

 D

Е

F

Н

J

DLK

Ν

0

CONTENTS

PRECAUTION14
PRECAUTIONS
PREPARATION16
PREPARATION
SYSTEM DESCRIPTION18
COMPONENT PARTS18
DOOR LOCK SYSTEM
AUTOMATIC BACK DOOR SYSTEM22 AUTOMATIC BACK DOOR SYSTEM : Component Parts Location
AUTOMATIC SLIDING DOOR SYSTEM
Front Door Switch

Front Door Lock Assembly (Driver Side)
Back Door Control Unit (Without Automatic Back Door System)29
Selective Unlock Relay29
Back Door Touch Sensor30
Automatic Back Door Control Module30
Automatic Back Door Switch30
Automatic Door Main Switch30
Automatic Back Door Warning Buzzer30
Automatic Back Door Close Switch30
Back Door Lock Assembly (With Automatic Back
Door System)30
Automatic Back Door Opener Switch30
Automatic Sliding Door Open/Close Switch30
Automatic Sliding Door Unit30
Sliding Door Control Unit31
Automatic Sliding Door Warning Buzzer31
Automatic Sliding Door One-Touch Open/Close
Switch31
Remote Control Assembly31
Sliding Door Switch
Sliding Door Lock Actuator31
Sliding Door Lock Release Actuator31
Sliding Door Lock Assembly
Sliding Door Touch Sensor31 Fuel Filler Lid Sliding Door Unit32
ruei Filiei Lia Silaing Door Onit32
SYSTEM (POWER DOOR LOCK SYSTEM)33 System Description
Circuit Diagram
Circuit Diagram
SYSTEM (INTELLIGENT KEY SYSTEM)36
INTELLIGENT KEY SYSTEM36 INTELLIGENT KEY SYSTEM : System Description36
INTELLIGENT KEY SYSTEM : Circuit Diagram38

DOOR LOCK FUNCTION	,	
DOOR LOCK FUNCTION : System Description	40 tion	
BACK DOOR OPEN FUNCTION	POWER ASSIST FUNCTION : Fail-safe	79
BACK DOOR OPEN FUNCTION : System De-	SLIDING DOOR AUTO CLOSURE FUNCTION	80
scription		
·	System Description	81
REMOTE KEYLESS ENTRY FUNCTION	" 44 SLIDING DOOR AUTO CLOSURE FUNCTION :	
REMOTE KEYLESS ENTRY FUNCTION : Sys-	Fail-safe	81
tem Description		
KEY REMINDER FUNCTION	HOLD FUNCTION	
KEY REMINDER FUNCTION : System Descrip-	TIOLD I ONOTION . System Description	
tion	HOLD FUNCTION : Fail-safe	83
	ANTI-DINCH FUNCTION	84
WARNING FUNCTION	47 ANTI-PINCH FUNCTION : System Description	
WARNING FUNCTION : System Description	47 ANTI-PINCH FUNCTION : Fail-safe	
SYSTEM (AUTOMATIC BACK DOOR SYS-		
TEM)	INTERMITTENT CLUTCH FUNCTION	86
System Description	- ,	
Circuit Diagram	=	
Fail Safe		87
i all date	BUZZER REMINDER FUNCTION	88
SYSTEM (BACK DOOR AUTO CLOSURE	BUZZER REMINDER FUNCTION : System De-	
SYSTEM)		88
, 	BUZZER REMINDER FUNCTION · Fail-safe	
CLOSURE FUNCTION		
CLOSURE FUNCTION : System Description	•	
OPEN FUNCTION	TRANSMITTER)	
	SVETAM LIGECTINION	91
OPEN FUNCTION: System Description	DI	
OPEN FUNCTION : System Description Circuit Diagram	01	. 92
Circuit Diagram	63 DIAGNOSIS SYSTEM (BCM)	
Circuit DiagramSYSTEM (AUTOMATIC SLIDING DOOR	DIAGNOSIS SYSTEM (BCM)	
Circuit Diagram	COMMON ITEM	92
Circuit Diagram SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM)	COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)	92
Circuit DiagramSYSTEM (AUTOMATIC SLIDING DOOR SYSTEM)	COMMON ITEM	92 92
Circuit Diagram SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 92
Circuit DiagramSYSTEM (AUTOMATIC SLIDING DOOR SYSTEM)	DIAGNOSIS SYSTEM (BCM) COMMON ITEM COMMON ITEM : CONSULT Function (BCM - COMMON ITEM) DOOR LOCK DOOR LOCK : CONSULT Function (BCM -	92 92 93
Circuit Diagram SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	DIAGNOSIS SYSTEM (BCM) COMMON ITEM COMMON ITEM : CONSULT Function (BCM - COMMON ITEM) DOOR LOCK DOOR LOCK : CONSULT Function (BCM - DOOR LOCK)	92 92 93 94
Circuit Diagram SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	DIAGNOSIS SYSTEM (BCM) COMMON ITEM COMMON ITEM : CONSULT Function (BCM - COMMON ITEM) DOOR LOCK DOOR LOCK : CONSULT Function (BCM - DOOR LOCK) INTELLIGENT KEY	92 92 93 94
Circuit Diagram SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM AUTOMATIC SLIDING DOOR SYSTEM: System Description AUTOMATIC SLIDING DOOR SYSTEM: Circuit Diagram AUTOMATIC SLIDING DOOR SYSTEM: Fail- safe AUTO OPEN/CLOSE FUNCTION AUTO OPEN/CLOSE FUNCTION: System Description AUTO OPEN/CLOSE FUNCTION: Fail-safe	COMMON ITEM	92 92 93 94 95 95
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 92 93 94 95 95
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 92 93 94 95 95 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 92 93 94 95 98 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 92 93 94 95 98 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM AUTOMATIC SLIDING DOOR SYSTEM: System Description AUTOMATIC SLIDING DOOR SYSTEM: Circuit Diagram AUTOMATIC SLIDING DOOR SYSTEM: Fail- safe AUTO OPEN/CLOSE FUNCTION AUTO OPEN/CLOSE FUNCTION: System Description AUTO OPEN/CLOSE FUNCTION: Fail-safe ONE-TOUCH UNLOCK FUNCTION: System Description ONE-TOUCH UNLOCK FUNCTION: System Description ONE-TOUCH UNLOCK FUNCTION: Fail-safe UNLOCK-LINKED OPENING FUNCTION: System ONE-TOUCH: System ONE-TOUCH: System ONE-TOUCH: System UNLOCK-LINKED OPENING FUNCTION: System UNLOCK-LINKED OPENING FUNCTION: System UNLOCK-LINKED OPENING FUNCTION: System ONE-TOUCH: Syste	COMMON ITEM	92 92 93 94 95 98 98
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM AUTOMATIC SLIDING DOOR SYSTEM: System Description AUTOMATIC SLIDING DOOR SYSTEM: Circuit Diagram AUTOMATIC SLIDING DOOR SYSTEM: Fail- safe AUTO OPEN/CLOSE FUNCTION AUTO OPEN/CLOSE FUNCTION: System Description AUTO OPEN/CLOSE FUNCTION: Fail-safe ONE-TOUCH UNLOCK FUNCTION: System Description ONE-TOUCH UNLOCK FUNCTION: Fail-safe UNLOCK-LINKED OPENING FUNCTION: UNLOCK-LINKED OPENING FUNCTION: System Description UNLOCK-LINKED OPENING FUNCTION: System Description	COMMON ITEM COMMON ITEM: COMSULT Function (BCM - COMSULT Function (BCM - INTELLIGENT KEY: COMSULT Function (BCM - TRUNK) COMSULT Function (BCM - TRUNK) CONSULT Function (AUTOMATIC BACK DOOR CONTROL UNIT) CONSULT Function (AUTOMATIC BACK DOOR CONTROL UNIT) CONSULT FUNCTION C	92 92 93 94 95 98 98 100 101
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM	92 93 94 95 98 98 100
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM AUTOMATIC SLIDING DOOR SYSTEM: System Description AUTOMATIC SLIDING DOOR SYSTEM: Circuit Diagram AUTOMATIC SLIDING DOOR SYSTEM: Fail- safe AUTO OPEN/CLOSE FUNCTION AUTO OPEN/CLOSE FUNCTION: System Description AUTO OPEN/CLOSE FUNCTION: Fail-safe ONE-TOUCH UNLOCK FUNCTION: System Description ONE-TOUCH UNLOCK FUNCTION: Fail-safe UNLOCK-LINKED OPENING FUNCTION: UNLOCK-LINKED OPENING FUNCTION: System Description UNLOCK-LINKED OPENING FUNCTION: System Description	COMMON ITEM COMMON ITEM: CONSULT Function (BCM - COMMON ITEM) DOOR LOCK DOOR LOCK: CONSULT Function (BCM - DOOR LOCK) INTELLIGENT KEY: INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY) TRUNK: CONSULT Function (BCM - TRUNK) TRUNK: CONSULT Function (BCM - TRUNK) TRUNK: CONSULT Function (BCM - TRUNK) TO DIAGNOSIS SYSTEM (AUTOMATIC BACK DOOR CONTROL UNIT) CONSULT Function (AUTOMATIC BACK DOOR CONTROL UNIT) TO DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT) CONSULT Function TO DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT LH) CONSULT Function TROL UNIT RH)	92 93 94 95 98 98 100 101 103
SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM	COMMON ITEM COMMON ITEM: COMSULT Function (BCM - DOOR LOCK: CONSULT FUNCTION (BCM - DOOR LOCK: COMSULT FUNCTION (BCM - TRUNK): COMSULT FUNCTION (AUTOMATIC BACK: CONSULT FUNCTION (AUTOMATIC BACK: CONSULT FUNCTION (AUTOMATIC BACK: CONSULT FUNCTION (SLIDING DOOR CONTROL UNIT): CONSULT FUNCTION: CONSULT FUNCTIO	92 93 94 95 98 98 100 101 103

BCM105	ADDITIONAL SERVICE WHEN REPLACING
List of ECU Reference105	AUTOMATIC BACK DOOR CONTROL MOD-
ALITOMATIC DACK DOOD CONTROL MOD	ULE175
AUTOMATIC BACK DOOR CONTROL MOD-	Description175
ULE106	Work Procedure175
Reference Value106	
Fail Safe108	ADDITIONAL SERVICE WHEN REPLACING
DTC Inspection Priority Chart108	SLIDING DOOR CONTROL UNIT176
DTC Index109	Description176
DACK DOOD CONTDOL LINIT	Work Procedure176
BACK DOOR CONTROL UNIT110	
Reference Value110	DTC/CIRCUIT DIAGNOSIS177
SLIDING DOOR CONTROL UNIT111	U1000 CAN COMM CIRCUIT177
LH111	AUTOMATIC BACK DOOR CONTROL MODULE177
LH : Reference Value111	
LH : Fail-safe114	AUTOMATIC BACK DOOR CONTROL MODULE
LH : DTC Inspection Priority Chart	: Description177
LH : DTC Index115	AUTOMATIC BACK DOOR CONTROL MODULE
LIT. DTG IIIdex113	: DTC Logic
RH116	AUTOMATIC BACK DOOR CONTROL MODULE
RH : Reference Value116	: Diagnosis Procedure177
RH : Fail-safe120	SLIDING DOOR LH177
RH: DTC Inspection Priority Chart121	SLIDING DOOR LH : Description177
RH : DTC Index121	0.10.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
	SLIDING DOOR LH : DTC Logic177 H SLIDING DOOR LH : Diagnosis Procedure178
WIRING DIAGRAM122	OLIDINO DOON EIT. Diagnosis i Toccadio 170
DOOD 9 LOOK OVOTEM	SLIDING DOOR RH178
DOOR & LOCK SYSTEM122	SLIDING DOOR RH : Description178
Wiring Diagram122	SLIDING DOOR RH: DTC Logic178
AUTOMATIC BACK DOOR SYSTEM142	SLIDING DOOR RH : Diagnosis Procedure178
Wiring Diagram142	U1010 CONTROL UNIT (CAN)179
INTEGRATED HOMELINK TRANSMITTER	· · · · · · · · · · · · · · · · · · ·
SYSTEM152	AUTOMATIC BACK DOOR CONTROL MODULE179
Wiring Diagram152	AUTOMATIC BACK DOOR CONTROL MODULE DL
Willing Diagram152	: DTC Logic
AUTOMATIC SLIDING DOOR SYSTEM 155	AUTOMATIC BACK DOOR CONTROL MODULE
Wiring Diagram155	: Diagnosis Procedure179
	SLIDING DOOR LH179
BASIC INSPECTION171	SLIDING DOOR LH : DTC Logic179
DIA ONOGIO AND DEDAID WORK ELOW	SLIDING DOOR LH : Diagnosis Procedure179
DIAGNOSIS AND REPAIR WORK FLOW 171	•
Work Flow171	SLIDING DOOR RH179
ADDITIONAL SERVICE WHEN REMOVING	SLIDING DOOR RH : DTC Logic179
BATTERY NEGATIVE TERMINAL174	SLIDING DOOR RH : Diagnosis Procedure179
DATTERT NEGATIVE TERMINAL	B2401 IGNITION POWER SUPPLY CIRCUIT. 180
AUTOMATIC BACK DOOR SYSTEM174	
AUTOMATIC BACK DOOR SYSTEM : Descrip-	AUTOMATIC BACK DOOR CONTROL MODULE180
tion174	AUTOMATIC BACK DOOR CONTROL MODULE
AUTOMATIC BACK DOOR SYSTEM: Work Pro-	: DTC Logic180
cedure 174	AUTOMATIC BACK DOOR CONTROL MODULE
ALITOMATIC OLIDING BOCK SYSTEM	: Diagnosis Procedure180
AUTOMATIC SLIDING DOOR SYSTEM174	
AUTOMATIC SLIDING DOOR SYSTEM : De-	SLIDING DOOR LH180
scription	SLIDING DOOR LH : DTC Logic180
AUTOMATIC SLIDING DOOR SYSTEM : Work	SLIDING DOOR LH : Diagnosis Procedure181
Procedure 174	SLIDING DOOR RH181
	SLIDING DOOR RH : DTC Logic181
	ומו אטטע פאוועום בער האורים בעוועום בער אוריי ואיז איז איזיים ואיזייים ואיזייייייייייייייייייייייייייייייייייי

DLK-3 **Revision: October 2015 2016 Quest**

SLIDING DOOR RH : Diagnosis Procedure182	SLIDING DOOR LH : Diagnosis Procedure	200
B2402 TOUCH SENSOR 183	SLIDING DOOR RH	
SLIDING DOOR LH183	SLIDING DOOR RH : DTC Logic	
SLIDING DOOR LH : DTC Logic	SLIDING DOOR RH : Diagnosis Procedure	201
SLIDING DOOR LH: Diagnosis Procedure183	B2412 AUTOMATIC SLIDING DOOR MO-	
SLIDING DOOR LH: Component Inspection184	TOR/ENCODER	203
SLIDING DOOR RH185	SLIDING DOOR LH	203
SLIDING DOOR RH : DTC Logic185	SLIDING DOOR LH : DTC Logic	
SLIDING DOOR RH : Diagnosis Procedure185 SLIDING DOOR RH : Component Inspection186	SLIDING DOOR LH : Diagnosis Procedure	
Scibing book kn . Component inspection100	SLIDING DOOR RH	205
B2403 ENCODER 188	SLIDING DOOR RH : DTC Logic	
AUTOMATIC BACK DOOR CONTROL MODULE188	SLIDING DOOR RH : Diagnosis Procedure	205
AUTOMATIC BACK DOOR CONTROL MODULE	B2413 AUTOMATIC SLIDING DOOR MO-	
: DTC Logic188	TOR/ENCODER	209
AUTOMATIC BACK DOOR CONTROL MODULE		
: Diagnosis Procedure188	SLIDING DOOR LH	
SLIDING DOOR LH188	SLIDING DOOR LH : DTC Logic	
SLIDING DOOR LH : DTC Logic	SLIDING DOOR LH : Diagnosis Procedure	209
SLIDING DOOR LIT: DTC Logic	SLIDING DOOR RH	210
OLIDING DOON LIT. Diagnosis 1 Toccadio100	SLIDING DOOR RH : DTC Logic	
SLIDING DOOR RH190	SLIDING DOOR RH : Diagnosis Procedure	
SLIDING DOOR RH : DTC Logic190	-	
SLIDING DOOR RH : Diagnosis Procedure190	B2414 AUTOMATIC SLIDING DOOR MOTO	
B2405 SLIDING DOOR CONTROL UNIT 193		212
SLIDING DOOR LH193	SLIDING DOOR LH	
SLIDING DOOR LH : DTC Logic	SLIDING DOOR LH : DTC Logic	
SLIDING DOOR LH : Diagnosis Procedure193	SLIDING DOOR LH : Diagnosis Procedure	
SLIDING DOOR RH193	SLIDING DOOR RH	
SLIDING DOOR RH : DTC Logic193	SLIDING DOOR RH : DTC Logic	
SLIDING DOOR RH : Diagnosis Procedure193	SLIDING DOOR RH : Diagnosis Procedure	214
DO 400 LIAL EL ATOLI CIA/ITOLI	B2416 TOUCH SENSOR RH	
B2409 HALF LATCH SWITCH 194	DTC Logic	
AUTOMATIC BACK DOOR CONTROL MODULE194	Diagnosis Procedure	
AUTOMATIC BACK DOOR CONTROL MODULE	Component Inspection	217
: DTC Logic194	B2417 TOUCH SENSOR LH	219
AUTOMATIC BACK DOOR CONTROL MODULE	DTC Logic	
: Diagnosis Procedure194	Diagnosis Procedure	
AUTOMATIC BACK DOOR CONTROL MODULE	Component Inspection	
: Component Inspection195	B2419 OPEN SWITCH	222
SLIDING DOOR LH195		
SLIDING DOOR LH : DTC Logic195	DTC Logic Diagnosis Procedure	
SLIDING DOOR LH : Diagnosis Procedure196	Component Inspection	
SLIDING DOOR LH : Component Inspection197	·	
SLIDING DOOR RH197	B2420 CLOSE SWITCH	
SLIDING DOOR RH : DTC Logic198	DTC Logic	
SLIDING DOOR RH : Diagnosis Procedure198	Diagnosis Procedure	
SLIDING DOOR RH : Component Inspection199	Component Inspection	225
B241A ENCODER200	B2421 CLUTCH OPERATION TIME	226
	DTC Logic	
SLIDING DOOR LH200	Diagnosis Procedure	226
SUDING DOOD LH : DTC Logic 200		

D	L	κ	

M

Ν

0

Р

Α

В

С

 D

Е

F

G

Н

DTC Logic		Component Function Check	
Diagnosis Procedure	227	Diagnosis Procedure	
B2423 AUTOMATIC BACK DOOR MOTOR		Component Inspection	250
OPERATION TIME	228	DOOR LOCK AND UNLOCK SWITCH	251
DTC Logic		WITH AUTOMATIC SLIDING DOOR	251
Diagnosis Procedure	228	WITH AUTOMATIC SLIDING DOOR:	231
B2424 CLOSURE CONDITION	229	Component Function Check	251
DTC Logic		WITH AUTOMATIC SLIDING DOOR: Diagnosis	
Diagnosis Procedure		Procedure	251
Component Inspection		WITHOUT AUTOMATIC SLIDING DOOR	251
B2425 AUTOMATIC BACK DOOR CONTROL	_	WITHOUT AUTOMATIC SLIDING DOOR:	
UNIT		Component Function Check	
DTC Logic		WITHOUT AUTOMATIC SLIDING DOOR : Diagnosis Procedure	
Diagnosis Procedure	231	WITHOUT AUTOMATIC SLIDING DOOR : Com	
B2621 INSIDE ANTENNA	232	ponent Inspection	
DTC Logic	232	•	
Diagnosis Procedure		DOOR LOCK ACTUATOR	255
B2622 INSIDE ANTENNA	00.4	DRIVER SIDE	255
DTC Logic		DRIVER SIDE : Component Function Check	
Diagnosis Procedure		DRIVER SIDE : Diagnosis Procedure	255
		PASSENGER SIDE	256
B2623 INSIDE ANTENNA		PASSENGER SIDE :	256
DTC Logic		Component Function Check	256
Diagnosis Procedure	236	PASSENGER SIDE : Diagnosis Procedure	
		_	
B2626 OUTSIDE ANTENNA	238	SLIDING DOOD LOCK ACTUATOD	250
DTC Logic	238	SLIDING DOOR LOCK ACTUATOR	258
	238	WITH AUTOMATIC SLIDING DOOR	
DTC Logic Diagnosis Procedure	238 238	WITH AUTOMATIC SLIDING DOORWITH AUTOMATIC SLIDING DOOR :	258
DTC Logic	238 238 240	WITH AUTOMATIC SLIDING DOOR	258 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA	238 238 240 240	WITH AUTOMATIC SLIDING DOOR	258 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure	238 238 240 240 240	WITH AUTOMATIC SLIDING DOOR	258 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA	238 238 240 240 240	WITH AUTOMATIC SLIDING DOOR	258 258 s 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic	238 238 240 240 240 242	WITH AUTOMATIC SLIDING DOOR	258 258 258 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA	238 238 240 240 240 242	WITH AUTOMATIC SLIDING DOOR	258 258 258 258
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic	238 238 240 240 240 242 242	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check WITH AUTOMATIC SLIDING DOOR : Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR : Component Inspection WITHOUT AUTOMATIC SLIDING DOOR : WITHOUT AUTOMATIC SLIDING DOOR :	258 258 258 260
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT .	238 238 240 240 240 242 242 242	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check	258258258260261
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT . AUTOMATIC BACK DOOR CONTROL MODULE	238 238 240 240 240 242 242 242 244	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check	258258258260261261
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE	238 238 240 240 240 242 242 244 244	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check	258258258260261261
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure	238 238 240 240 242 242 242 244 244	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check	258258258260261261261261
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure	238 238 240 240 242 242 242 244 244 244	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check	258258258260261261261263263
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure	238 238 240 240 242 242 242 244 244	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check	258258258260261261263263263
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure	238 238 240 240 242 242 242 244 244	WITH AUTOMATIC SLIDING DOOR : WITH AUTOMATIC SLIDING DOOR : Component Function Check	258258258260261261263263263
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT	238 240 240 240 242 242 244 244 244	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR	258258258260261261263263263264265
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis	238 240 240 240 242 242 244 244 244 244 244 244	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure SELECT UNLOCK RELAY Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check	258258258260261261263263263264265
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT	238 240 240 240 242 242 244 244 244 244 244 244	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check Diagnosis Procedure	258258258260261261263263263264265265
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis	238 240 240 240 242 242 244 244 244 244 244 245	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure SELECT UNLOCK RELAY Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check	258258258260261261263263263264265265
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis Procedure	238 240 240 242 242 244 244 244 244 244 245 245	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check Diagnosis Procedure	258258258260261261263263263264265265265
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis Procedure DOOR SWITCH	238 238 240 240 242 242 244 244 244 244 245 245 247	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: DOOR SELECT UNLOCK RELAY Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check Diagnosis Procedure Component Function Check Diagnosis Procedure Component Inspection DOOR KEY CYLINDER SWITCH	258258258260261261263263263264265265266267
DTC Logic Diagnosis Procedure B2627 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure B2628 OUTSIDE ANTENNA DTC Logic Diagnosis Procedure POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure BACK DOOR CONTROL UNIT BACK DOOR CONTROL UNIT: Diagnosis Procedure SLIDING DOOR CONTROL UNIT: Diagnosis Procedure DOOR SWITCH Component Function Check	238 240 240 240 242 242 244 244 244 244 245 245 247 247	WITH AUTOMATIC SLIDING DOOR: WITH AUTOMATIC SLIDING DOOR: Component Function Check WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure WITH AUTOMATIC SLIDING DOOR: Component Inspection WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure Component Function Check Diagnosis Procedure Component Inspection UNLOCK SENSOR Component Function Check Diagnosis Procedure Component Inspection	258258258260261261263263263264265265266267

BACK DOOR SWITCH249

B2422 BACK DOOR STATE227

WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure 227 Component Inspection 268 WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check 271 Diagnosis Procedure 271 Component Function Check 273 Diagnosis Procedure 273 Component Function Check 273 Diagnosis Procedure 275 Component Function Check 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 Component Inspection 277 Component Inspection 277 Component Inspection 278 BACK DOOR OPENER SWITCH 277 Component Inspection 278 Component Inspection 279 Component Inspection 279 Component Inspection 279 Component Inspection 270 Component I	WITH AUTOMATIC SLIDING DOOR : Compo-	AUTOMATIC BACK DOOR CLOSE SWITCH.287
Procedure		67 Component Function Check
WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection 268 WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check 288 WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure 277 Component Function Check 271 Diagnosis Procedure 273 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR REQUEST SWITCH 277 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Inspection 277 Component Inspection 278 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 279 Diagnosis Procedure 279 Domponent Function Check 279 Diagnosis Procedure 279 Diagnosis Procedure 279 Domponent Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 284 Diagnosis Procedure 284 Diagnosis Procedure 284 Diagnosis	WITH AUTOMATIC SLIDING DOOR : Diagnosis	Diagnosis Procedure287
MUTHOUT AUTOMATIC SLIDING DOOR 288		67 Component Inspection288
WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check	•	ALITOMATIC DOOD MAIN CVAUTOU
WITHOUT AUTOMATIC SLIDING DOOR : Component Function Check	nent Inspection2	68 AUTOMATIC DOOR MAIN SWITCH289
WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check	WITHOUT AUTOMATIC SLIDING DOOR2	68 AUTOMATIC BACK DOOR CONTROL MODULE. 289
Donnent Function Check 288 WITHOUT AUTOMATIC SLIDING DOOR : Diagnosis Procedure 269 WITHOUT AUTOMATIC SLIDING DOOR : Component Inspection 270 SLIDING DOOR CONTROL MODULE 271 SURPRISE 271 S		
WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure 289 WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection 270 REMOTE KEYLESS ENTRY RECEIVER 271 Diagnosis Procedure 271 DOOR REQUEST SWITCH 273 Diagnosis Procedure 273 Diagnosis Procedure 273 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR REQUEST SWITCH 275 Component Inspection 276 BACK DOOR REQUEST SWITCH 275 Component Inspection 276 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 276 Diagnosis Procedure 277 Component Function Check 277 Component Inspection 278 BINTELLIGENT KEY WARNING BUZZER 279 Component Inspection 281 Component Function Check 281 Diagnosis Procedure 282 Diagnosis Procedure 282 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 286 Diagnosis Procedure 285 Component Fun		68 : Component Function Check
nosis Procedure 269 WITHOUT AUTOMATIC SLIDING DOOR : Component Inspection 270 REMOTE KEYLESS ENTRY RECEIVER 271 Component Function Check 271 Diagnosis Procedure 273 Component Function Check 273 Diagnosis Procedure 273 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Inspection 277 Component Inspection 278 BACK DOOR OPENER SWITCH 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Diagnosis Procedure 279 Diagnosis Procedure 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 281 Component Function Check 281 Component Function Check 281 Diagnosis Procedure 282 Diagnosis Procedure 283 INFERMATION DISPLAY 283 COMPONENT Function Check 284 Diagnosis Procedure 282 Diagnosis Procedure 282 Diagnosis Procedure 282 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 285	WITHOUT AUTOMATIC SLIDING DOOR : Diag-	
WITHOUT AUTOMATIC SLIDING DOOR : Component Inspection 270 REMOTE KEYLESS ENTRY RECEIVER 271 Component Function Cheek 271 Diagnosis Procedure 271 Diagnosis Procedure 273 Component Function Cheek 273 Diagnosis Procedure 273 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Inspection 275 BACK DOOR REQUEST SWITCH 275 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Inspection 276 Component Function Cheek 277 Component Function Cheek 277 Component Function Cheek 277 Component Function Cheek 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Cheek 282 Diagnosis Procedure 282 INFORMATION METER BUZZER 283 Diagnosis Procedure 283 Diagnosis Procedure 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Cheek 284 Diagnosis Procedure 283 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Cheek 285 Diagnosis Procedure 285 Diagnosis Procedur	nosis Procedure	
Component Inspection 270 Component Inspection 25		AUTOMATIC BACK DOOR CONTROL MODULE
SLIDING DOOR CONTROL UNIT 22		•
Component Function Check 271 Diagnosis Procedure 273 Component Function Check 273 Diagnosis Procedure 273 Component Function Check 273 Diagnosis Procedure 273 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 275 Diagnosis Procedure 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 282 Component Function Check 282 Component Function Check 283 Diagnosis Procedure 282 Component Function Check 283 Diagnosis Procedure 282 Component Function Check 283 Diagnosis Procedure 282 KEY WARNING LAMP 284 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR-CUIT 286 BACK DOOR OPEN REQUEST SIGNAL CIR-CUIT 286 BACK DOOR OPEN REQUEST SIGNAL CIR-CUIT 286 BACK DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component function Check 285 SILDING DOOR CONTROL UNIT : Component	porterit inspection	
Diagnosis Procedure 271		
SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 273 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 273 SLIDING DOOR CONTROL UNIT : Component Inspection 274 Inspection 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 275 Diagnosis Procedure 276 Component Function Check 277 Component Function Check 279 Diagnosis Procedure 277 Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 WITH AUTOMATIC BACK DOOR : Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 285 Diagnosis	Component Function Check2	<i>i</i> i
DOOR REQUEST SWITCH 273 Component Function Check 273 Diagnosis Procedure 273 Component Inspection 274 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Diagnosis Procedure 279 Component Function Check 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 INFORMATION DISPLAY 283 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 COMPONENTION 275 Component Function Check 284 Diagnosis Procedure 285 SIDING DOOR CONTROL UNIT : Component Inspection 286 SACK DOOR OPEN REQUEST SIGNAL CIR-	Diagnosis Procedure2	
Component Function Check 273 Diagnosis Procedure 274 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 275 Component Function Check 276 Diagnosis Procedure 277 Component Function Check 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Diagnosis Procedure 279 Component Function Check 281 Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 COMBINATION METER BUZZER 282 COMBINATION DISPLAY 283 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 284 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 285 SLIDING DOOR CONTROL UNIT : Component Inspection 30 AUTOMATIC BACK DOOR SWITCH 225 Component Function Check 284 Diagnosis Procedure 282 WITH AUTOMATIC BACK DOOR : Diagnosis Procedure 283 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 284 Diagnosis Procedure 284 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 277 Component Function Check 365 Diagnosis Procedure 285 Diagnosis Procedure 2		
Diagnosis Procedure 273 Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 276 Component Inspection 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 Component Inspection 278 Component Inspection 278 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 Component Inspection 278 Component Inspection 278 Component Function Check 279 Component Function Check 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 Diagnosis Procedure 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 284 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Diagnosis Procedure 284 Diagnosis Procedure 284 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 278 AUTOMATIC BACK DOOR SWITCH 225 Component Inspection 285 Component Function Check 284 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 278 AUTOMATIC BACK DOOR SWITCH 285 Component Function Check 284 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 278 AUTOMATIC BACK DOOR SWITCH 285 Component Function Check 284 Diagnosis Procedure 285 Diagnosis Proc		
BACK DOOR REQUEST SWITCH	•	
BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 276 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 281 Component Function Check 279 Component Inspection 281 Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 Diagnosis Procedure 282 Diagnosis Procedure 283 Diagnosis Procedure 283 Diagnosis Procedure 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 285 Component Function Check 286 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR TOUCH SENSOR 36		
BACK DOOR REQUEST SWITCH 275 Component Function Check 275 Diagnosis Procedure 276 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 287 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY 279 Component Inspection 280 INTELLIGENT KEY 279 Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 Component Function Check 282 Diagnosis Procedure 282 Component Function Check 282 Diagnosis Procedure 283 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR-	Component Inspection2	74
Component Function Check 275 Diagnosis Procedure 275 Component Inspection 276 BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 277 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 282 Diagnosis Procedure 282 INFORMATION METER BUZZER 282 Component Function Check 283 Diagnosis Procedure 283 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 277 Component Inspection 297 Component Inspection 298 CLOSE SWITCH 291 Diagnosis Procedure 299 Component Inspection 299 Component Inspection 299 Component Function Check 294 Diagnosis Procedure 299 WITH AUTOMATIC BACK DOOR : Diagnosis Procedure 299 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 300 WITHOU	DACK DOOD DECLIEST SWITCH	
Diagnosis Procedure		·
Component Inspection		
Day		
BACK DOOR OPENER SWITCH 277 Component Function Check 277 Diagnosis Procedure 278 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Inspection 280 INTELLIGENT KEY 281 Component Inspection 280 INTELLIGENT KEY 281 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Function Check 281 Component Function Check 281 Diagnosis Procedure 282 Component Inspection 281 Component Function Check 282 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 28	Component Inspection2	76 OPEN SWITCH 294
Component Function Check	BACK DOOR OPENER SWITCH2	
Diagnosis Procedure 278 Component Inspection 278 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 281 Component Inspection 281 Component Inspection 281 Component Function Check 281 Component Function Check 281 Component Inspection 281 Component Function Check 281 Component Function Check 282 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 285 Diagnosis Procedure 286 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 286 Diagnosis Procedure 285 Diagnosis Procedure 286 Diagnosis Procedure 286 Diagnosis Procedure 287 Diagnosis Procedure 288 Diagnosis Procedure 289 Diagnosis		
COMPONENT Inspection		
INTELLIGENT KEY WARNING BUZZER 279 Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Function Check 281 Component Inspection 281 Component Function Check 281 Component Function Check 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 286 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 Diagnosis Procedure 279 Component Inspection 26 WITH AUTOMATIC BACK DOOR : Component Inspection 30 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 30 WITHOUT AUTO		
Component Function Check 279	Component inspection	Diagnosis Procedure297
Component Function Check 279 Diagnosis Procedure 279 Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Inspection 281 Component Inspection 281 Component Function Check 281 Component Function Check 282 Diagnosis Procedure 282 INFORMATION METER BUZZER 282 Diagnosis Procedure 283 Diagnosis Procedure 283 Diagnosis Procedure 283 Diagnosis Procedure 284 Component Function Check 283 Diagnosis Procedure 283 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Diagnos	INTELLIGENT KEY WARNING BUZZER 2	
Component Inspection 280 INTELLIGENT KEY 281 Component Function Check 281 Component Inspection 280 COMBINATION METER BUZZER 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 WITH AUTOMATIC BACK DOOR : Component Inspection 30 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 285 WITHOUT AUTOMATIC BACK DOOR : MITHOUT AUTOMATIC BACK DOOR : Component Inspection 30 SLIDING DOOR CONTROL UNIT : Component Function Check 285 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30	Component Function Check2	79
INTELLIGENT KEY 281 Component Function Check 281 Component Inspection 281 Component Inspection 281 Component Inspection 281 Component Inspection 281 Component Function Check 282 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Diagnosis Procedure 283 Diagnosis Procedure 284 Component Function Check 283 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 286 BACK DOOR TOUCH SENSOR 36 Component Inspection 36 Comp	Diagnosis Procedure2	₇₉
INTELLIGENT KEY Component Function Check Component Inspection COMBINATION METER BUZZER Component Function Check Diagnosis Procedure Component Function Check Diagnosis Procedure Component Function Check Diagnosis Procedure INFORMATION DISPLAY Component Function Check Diagnosis Procedure EY INFORMATION DISPLAY SINGENTATION DISPLAY SINGENTATION DISPLAY Component Function Check Diagnosis Procedure EY INFORMATION DISPLAY SINGENTATION DISPLAY SING		90
Component Function Check 281 Component Inspection 281 Component Inspection 281 Component Function Check 282 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 286 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 286 Diagnosis Procedure 286 Diagnosis Proced	·	WITH AUTOMATIC BACK DOOR298
Component Inspection		Constitute Observe
COMBINATION METER BUZZER 282 Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 286 Diagnosis Procedure 286 Diagnosis Procedure 287 Diagnosis Procedure 288 Diagn	Component Function Check2	01
COMBINATION METER BUZZER 282 Component Function Check 282 Diagnosis Procedure 283 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Pr	Component Inspection2	01
Component Function Check 282 Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 Inspection 30 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 30 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 30 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Function Check 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30 SLIDING DOOR CONTROL UNIT : DIAGRAM 30 SLIDING DOOR CONTROL U	COMPINATION METER RUZZER	
Diagnosis Procedure 282 INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 KEY WARNING LAMP 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 30 WITHOUT AUTOMATIC BA		•
INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 Component Function Check 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 BAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 36 Diagnosis Procedure 36 Diagnosis Procedure 37 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 37 SLIDING DOOR CONTROL UNIT : Component Inspection 37 SLIDING DOOR CONTROL UNIT : Diagnosis SLIDING DOOR CONTROL UNIT : Component Inspection 37 SLIDING DOOR CONTROL UNIT : Component Inspection 37 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 37 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 37 SLIDING DOOR CONTROL UNIT : Component Inspection 37 SLIDING DOOR CONTROL UNIT : Component Inspection	•	
INFORMATION DISPLAY 283 Component Function Check 283 Diagnosis Procedure 283 WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 284 Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Component Function Check 285 Diagnosis Procedure 36 Diagnosis Procedure 37 Diagno	Diagnosis Procedure2	82 WITHOUT AUTOMATIC BACK DOOR
Component Function Check 283 Sis Procedure 30 WITHOUT AUTOMATIC BACK DOOR : Component Inspection 30 SLIDING DOOR CONTROL UNIT : Component Function Check 284 Diagnosis Procedure 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR-CUIT 286 SIGNAL CIR-CUIT 388 SIS Procedure 30 WITHOUT AUTOMATIC BACK DOOR : Component Inspection 30 SLIDING DOOR CONTROL UNIT : Component Function Check 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30 SLIDING DOOR CO	INFORMATION DISPLAY 2	
Diagnosis Procedure		
KEY WARNING LAMP	•	
KEY WARNING LAMP	Diagnosis Procedure2	•
Component Function Check 284 Diagnosis Procedure 284 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 SLIDING DOOR CONTROL UNIT : Component Function Check 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDI	KEY WARNING LAMP2	84
Diagnosis Procedure 284 SLIDING DOOR CONTROL UNIT : Component Function Check 30 Component Function Check 285 Procedure 285 Diagnosis Procedure 285 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : DIAGNOSI SLIDING		OLIDINIO DOOD CONTROL LINET
Function Check 30 HAZARD FUNCTION 285 Component Function Check 285 Diagnosis Procedure 285 BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT 286 Function Check 30 SLIDING DOOR CONTROL UNIT : Diagnosis Procedure 30 SLIDING DOOR CONTROL UNIT : Component Inspection 30 BACK DOOR TOUCH SENSOR 30 BACK DOOR TOUCH SENS	·	
HAZARD FUNCTION	Diagnoolo i roccadio	Function Check
Component Function Check	HAZARD FUNCTION 2	
Diagnosis Procedure		.
BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT	·	
BACK DOOR OPEN REQUEST SIGNAL CIR- CUIT286 BACK DOOR TOUCH SENSOR30	-	
Diagnosis Procedure286		
	Diagnosis Procedure2	86

LH : Diagnosis Procedure305	326	3
LH : Component Inspection306	SLIDING DOOR RH : Diagnosis Procedure326	
U 207	SLIDING DOOR RH : Component Inspection327	7 B
H307 RH: Component Function Check307	NEUTRAL SWITCH328	
RH: Diagnosis Procedure	NEUTRAL SWITCH328	3
RH : Component Inspection	SLIDING DOOR LH328	3 _C
TOT . Component inspection	SLIDING DOOR LH: Component Function Check. 328	
ACK DOOR CLOSURE MOTOR310	SLIDING DOOR LH : Diagnosis Procedure328	
	SLIDING DOOR LH : Component Inspection 329	9 _
/ITH AUTOMATIC BACK DOOR310	·	D
WITH AUTOMATIC BACK DOOR : Diagnosis	SLIDING DOOR RH329	9
Procedure310	SLIDING DOOR RH: Component Function Check	
/ITHOUT AUTOMATIC BACK DOOR310	330	_
WITHOUT AUTOMATIC BACK DOOR : Diagno-	SLIDING DOOR RH : Diagnosis Procedure330	
sis Procedure	SLIDING DOOR RH : Component Inspection33	1
313 1 100caute	SLIDING DOOR HANDLE SWITCH332	> F
UTOMATIC BACK DOOR WARNING BUZZ-	SLIDING DOOK HANDLE SWITCH	•
R312	SLIDING DOOR LH332	2
Diagnosis Procedure312	SLIDING DOOR LH: Component Function Check.332	2
Component Inspection	SLIDING DOOR LH : Diagnosis Procedure332	G
·	SLIDING DOOR LH : Component Inspection 333	
ROUND CIRCUIT314	·	
Component Function Check314	SLIDING DOOR RH333	3 H
Diagnosis Procedure314	SLIDING DOOR RH: Component Function Check	
	334	=
NTEGRATED HOMELINK TRANSMITTER315	SLIDING DOOR RH : Diagnosis Procedure334	
Component Function Check315	SLIDING DOOR RH : Component Inspection335	5
Diagnosis Procedure	SLIDING DOOR LOCK STATUS SWITCH 336	
NCODER317	SLIDING DOOR LOCK STATUS SWITCH 330	•
NCODER31/	SLIDING DOOR LH336	3
LIDING DOOR LH317	SLIDING DOOR LH : Component Function Check. 336	
SLIDING DOOR LH: Component Function Check. 317	SLIDING DOOR LH : Diagnosis Procedure336	2
SLIDING DOOR LH: Diagnosis Procedure 317	SLIDING DOOR LH : Component Inspection33	
LIDING DOOR RH318	SLIDING DOOR RH337	7
SLIDING DOOR RH: Component Function Check	SLIDING DOOR RH: Component Function Check	L
318	338	
SLIDING DOOR RH : Diagnosis Procedure 319	SLIDING DOOR RH : Diagnosis Procedure338	3
LIDING DOOD CWITCH	SLIDING DOOR RH : Component Inspection339	M
LIDING DOOR SWITCH321		
LIDING DOOR LH321	FUEL LID STATUS SWITCH340	
SLIDING DOOR LH : Component Function Check. 321	Component Function Check340	
SLIDING DOOR LH : Diagnosis Procedure 321	Diagnosis Procedure340	
SLIDING DOOR LH : Component Inspection 322	Component Inspection34	1
OLIDING BOOK EIT. Component inspection 022	SLIDING DOOR OPEN/CLOSE SWITCH 342	,
LIDING DOOR RH322	SLIDING DOOR OF LIN/CLOSE SWITCH 34/	0
SLIDING DOOR RH: Component Function Check	FRONT LH342	2
322	FRONT LH: Component Function Check342	
SLIDING DOOR RH: Diagnosis Procedure 322	FRONT LH: Diagnosis Procedure342	
SLIDING DOOR RH: Component Inspection 323	FRONT LH : Component Inspection343	
	·	
ULL LATCH SWITCH324	FRONT RH343	
LIDING DOOP LH	FRONT RH: Component Function Check343	
SUDING DOOR LH	FRONT RH : Diagnosis Procedure343	
SLIDING DOOR LH: Component Function Check. 324	FRONT RH : Component Inspection344	1
SLIDING DOOR LH: Composer Improvious 224		
SLIDING DOOR LH : Component Inspection 325		
	1/ =	

SLIDING DOOR RH325

Α

SLIDING DOOR RH: Component Function Check

LH305

LH: Component Function Check305

SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH346	AUTOMATIC SLIDING DOOR WARNING BUZZER364
SLIDING DOOR LH	SLIDING DOOR LH
SLIDING DOOR RH347 SLIDING DOOR RH : Component Function Check	SLIDING DOOR RH : Diagnosis Procedure 365 SLIDING DOOR RH : Component Inspection 366
348 SLIDING DOOR RH : Diagnosis Procedure348 SLIDING DOOR RH : Component Inspection349	SYMPTOM DIAGNOSIS367
SLIDING DOOR TOUCH SENSOR 350	DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH367
SLIDING DOOR LH350 SLIDING DOOR LH : Component Function Check.350 SLIDING DOOR LH : Diagnosis Procedure350	ALL DOOR : Description
SLIDING DOOR LH : Component Inspection351 SLIDING DOOR RH351 SLIDING DOOR RH : Component Function Check	DRIVER SIDE
352 SLIDING DOOR RH : Diagnosis Procedure352 SLIDING DOOR RH : Component Inspection353	PASSENGER SIDE
CLUTCH 354	SLIDING DOOR LH368
SLIDING DOOR LH	SLIDING DOOR LH : Description
SLIDING DOOR RH355 SLIDING DOOR RH : Component Function Check	SLIDING DOOR RH
355 SLIDING DOOR RH : Diagnosis Procedure355	DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION370
AUTOMATIC SLIDING DOOR MOTOR 357	Diagnosis Procedure
SLIDING DOOR LH357 SLIDING DOOR LH : Diagnosis Procedure357	DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH371
SLIDING DOOR RH357 SLIDING DOOR RH : Diagnosis Procedure357	ALL DOOR REQUEST SWITCHES
SLIDING DOOR LOCK RELEASE ACTUA- TOR359	ALL DOOR REQUEST SWITCHES : Diagnosis Procedure
SLIDING DOOR LH359 SLIDING DOOR LH : Diagnosis Procedure359	DRIVER SIDE DOOR REQUEST SWITCH 371 DRIVER SIDE DOOR REQUEST SWITCH : Description
SLIDING DOOR RH360 SLIDING DOOR RH : Diagnosis Procedure360	DRIVER SIDE DOOR REQUEST SWITCH : Diagnosis Procedure
SLIDING DOOR CLOSURE MOTOR 362	PASSENGER SIDE DOOR REQUEST SWITCH 372 PASSENGER SIDE DOOR REQUEST SWITCH:
SLIDING DOOR LH362 SLIDING DOOR LH : Diagnosis Procedure362	Description
SLIDING DOOR RH362 SLIDING DOOR RH : Diagnosis Procedure362	BACK DOOR REQUEST SWITCH

M

Ν

0

Р

Α

В

С

D

Е

F

G

Н

BACK DOOR REQUEST SWITCH : Diagnosis Procedure	INTELLIGENT KEY LOW BATTERY WARN-	
	ING DOES NOT OPERATE390 Diagnosis Procedure390	
DOOR DOES NOT LOCK/UNLOCK WITH IN-		
TELLIGENT KEY	DOOR LOCK OPERATION WARNING DOES	
Diagnosis Procedure	NOT OPERATE	
IGNITION POSITION WARNING FUNCTION	·	
DOES NOT OPERATE376 Diagnosis Procedure376	BACK DOOR AUTO CLOSURE FUNCTION DOES NOT OPERATE392	
SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE377	OPEN/CLOSURE FUNCTION392 OPEN/CLOSURE FUNCTION : Description392	
Diagnosis Procedure	OPEN/CLOSURE FUNCTION : Diagnosis Proce-	
AUTO DOOR LOCK OPERATION DOES NOT	dure392	
OPERATE378	OPEN FUNCTION392	
Diagnosis Procedure378	OPEN FUNCTION : Description392	
VEHICLE SPEED SENSING AUTO LOCK	OPEN FUNCTION : Diagnosis Procedure392	
OPERATION DOES NOT OPERATE379	CLOSURE FUNCTION393	
Diagnosis Procedure379	CLOSURE FUNCTION : Description393	
IGN OFF INTERLOCK DOOR UNLOCK	CLOSURE FUNCTION : Diagnosis Procedure393	
FUNCTION DOES NOT OPERATE380	AUTOMATIC BACK DOOR OPERATION	
Diagnosis Procedure	DOES NOT OPERATE394	
-	ALL SWITCHES394	
P RANGE INTERLOCK DOOR LOCK/UN- LOCK FUNCTION DOES NOT OPERATE 381	ALL SWITCHES : Description394	
Diagnosis Procedure	ALL SWITCHES: Diagnosis Procedure394	
·	AUTOMATIC BACK DOOR SWITCH394	
HAZARD AND HORN REMINDER DOES NOT OPERATE382	AUTOMATIC BACK DOOR SWITCH: Descrip-	
Diagnosis Procedure	tion	
·	AUTOMATIC BACK DOOR SWITCH : Diagnosis Procedure395	•
HAZARD AND BUZZER REMINDER DOES		
NOT OPERATE383 Diagnosis Procedure383	AUTOMATIC BACK DOOR CLOSE SWITCH395	ŀ
	AUTOMATIC BACK DOOR CLOSE SWITCH : Description	
KEY REMINDER FUNCTION DOES NOT OP-	AUTOMATIC BACK DOOR CLOSE SWITCH : Di-	
ERATE 384 Diagnosis Procedure 384	agnosis Procedure395	
·	INTELLIGENT KEY395	
OFF POSITION WARNING DOES NOT OP-	INTELLIGENT KEY : Description396	
ERATE	INTELLIGENT KEY: Diagnosis Procedure396	
Diagnosis Procedure	BACK DOOR OPENER SWITCH396	
P POSITION WARNING DOES NOT OPER-	BACK DOOR OPENER SWITCH: Description396	
ATE386	BACK DOOR OPENER SWITCH : Diagnosis Pro-	
Diagnosis Procedure	cedure396	
ACC WARNING DOES NOT OPERATE 387	OPEN/CLOSURE FUNCTION397	
Diagnosis Procedure387	OPEN/CLOSURE FUNCTION : Description397	
TAKE AWAY WARNING DOES NOT OPER-	OPEN/CLOSURE FUNCTION : Diagnosis Procedure	
ATE388		
Diagnosis Procedure	OPEN FUNCTION	
KEY ID WARNING DOES NOT OPERATE 389	OPEN FUNCTION: Diagnosis Procedure 307	
Diagnosis Procedure	OPEN FUNCTION : Diagnosis Procedure397	
g	CLOSURE FUNCTION	
	CLOSURE FUNCTION : Description398	

Revision: October 2015 DLK-9 2016 Quest

CLOSURE FUNCTION : Diagnosis Procedure398	HAZARD AND BUZZER REMINDER FUNCTION	
AUTOMATIC BACK DOOR WARNING DOES	HAZARD AND BUZZER REMINDER FUNCTION	
NOT OPERATE399	: Description HAZARD AND BUZZER REMINDER FUNCTION	
	: Diagnosis Procedure	
BUZZER399	•	
BUZZER: Description	SLIDING DOOR AUTO CLOSURE FUNCTION	
BUZZER : Diagnosis Procedure399	SLIDING DOOR AUTO CLOSURE FUNCTION :	
HAZARD WARNING LAMP399	Description	
HAZARD WARNING LAMP: Description399	SLIDING DOOR AUTO CLOSURE FUNCTION : Diagnosis Procedure	
HAZARD WARNING LAMP : Diagnosis Proce-	Diagnosis Procedure	. 409
dure399	AUTOMATIC SLIDING DOOR OPEN/CLOSE	
AUTOMATIC BACK DOOR FUNCTIONS DO	FUNCTION DOES NOT OPERATE	411
NOT CANCEL 401	ALL SWITCHES	444
Diagnosis Procedure401	ALL SWITCHES : Description	
	ALL SWITCHES: Diagnosis Procedure	
AUTOMATIC BACK DOOR ANTI-PINCH		
FUNCTION DOES NOT OPERATE 402	OUTSIDE HANDLE	
Diagnosis Procedure402	OUTSIDE HANDLE : Description	
INTEGRATED HOMELINK TRANSMITTER	OUTSIDE HANDLE : Diagnosis Procedure	. 412
DOES NOT OPERATE 403	INSIDE HANDLE	. 413
Diagnosis Procedure403	INSIDE HANDLE : Description	. 413
· ·	INSIDE HANDLE : Diagnosis Procedure	. 413
AUTOMATIC SLIDING DOOR SYSTEM	INTELLIGENT KEY	442
DOES NOT OPERATE 404	INTELLIGENT KEY : Description	
ALL FUNCTIONS404	INTELLIGENT KEY: Description	
ALL FUNCTIONS : Description404	-	
ALL FUNCTIONS : Diagnosis Procedure404	SLIDING DOOR OPEN/CLOSE SWITCH	. 414
ONE TOUGH UNIT OOK FUNCTION	SLIDING DOOR OPEN/CLOSE SWITCH : De-	444
ONE-TOUCH UNLOCK FUNCTION404 ONE-TOUCH UNLOCK FUNCTION : Description .404	scriptionSLIDING DOOR OPEN/CLOSE SWITCH : Diag-	
ONE-TOUCH UNLOCK FUNCTION: Diagnosis	nosis Procedure	111
Procedure404		. 4 14
	SLIDING DOOR ONE-TOUCH OPEN/CLOSE	
POWER ASSIST FUNCTION405	SWITCH	. 415
POWER ASSIST FUNCTION: Description405	SLIDING DOOR ONE-TOUCH OPEN/CLOSE	445
POWER ASSIST FUNCTION : Diagnosis Procedure405	SWITCH: DescriptionSLIDING DOOR ONE-TOUCH OPEN/CLOSE	. 415
	SWITCH: Diagnosis Procedure	415
UNLOCK-LINKED OPENING FUNCTION405	· ·	
UNLOCK-LINKED OPENING FUNCTION : De-	AUTOMATIC SLIDING DOOR FUNCTIONS	
scription	DO NOT CANCEL	
UNLOCK-LINKED OPENING FUNCTION : Diagnosis Procedure405	Diagnosis Procedure	. 416
Hosis Flocedule405	SQUEAK AND RATTLE TROUBLE DIAG-	
HOLD FUNCTION406	NOSES	417
HOLD FUNCTION : Description406	Work Flow	
HOLD FUNCTION : Diagnosis Procedure406	Inspection Procedure	. 419
ANTI-PINCH FUNCTION407	Diagnostic Worksheet	. 421
ANTI-PINCH FUNCTION : Description407	REMOVAL AND INSTALLATION	400
ANTI-PINCH FUNCTION : Diagnosis Procedure407	REMOVAL AND INSTALLATION	. 423
·	HOOD	423
INTERMITTENT CLUTCH FUNCTION408 INTERMITTENT CLUTCH FUNCTION : Descrip-	Exploded View	
tion408	HOOD ASSEMBLY	400
INTERMITTENT CLUTCH FUNCTION : Diagno-	HOOD ASSEMBLY : Removal and Installation	
sis Procedure408	HOOD ASSEMBLY: Adjustment	. 423 . 424

HOOD HINGE	
11000 Filinoe . Nemovai and mstallation4.	444
HOOD SUPPORT ROD4	
HOOD SUPPORT ROD : Removal and Installa-	SLIDE DOOR OUTSIDE PROTECTOR: Remov-
tion42	26 al and Installation444
DADIATOR CORE CURRORT	S- OLIDE DOOD LOWED STRIKED
RADIATOR CORE SUPPORT4	
Exploded View4	
Removal and Installation42	27 Installation445
FRONT FENDER4	SLIDE DOOR LOWER STOPPER445
Exploded View	
Exploded view4	Installation445
FRONT FENDER4	
FRONT FENDER: Removal and Installation 42	SLIDE DOOR UPPER STOPPER446
	SLIDE DOOR UPPER STOPPER: Removal and
HOOD SIDE COVER4	motanation minimum in the
HOOD SIDE COVER : Removal and Installation 43	30
FRONT DOOR4	TOUCH SENSOR446
Exploded View4	SLIDE DOOR GUIDE RAIL448
DOOR ASSEMBLY4	Exploded View448
DOOR ASSEMBLY : Removal and Installation 4	
DOOR ASSEMBLY : Adjustment4	
BOOK NOOLINDET : Najaotimont	SLIDE DOOR UPPER GUIDE RAIL : Removal
DOOR STRIKER4	and Installation448
DOOR STRIKER: Removal and Installation 43	34
	SLIDE DOOR REAR GUIDE RAIL449
DOOR HINGE4	
DOOR HINGE : Removal and Installation4	Installation449
DOOR CHECK LINK4	SS SLIDE DOOR LOWER GUIDE RAIL449
DOOR CHECK LINK : Removal and Installation 4	
Book of Lord Links, Romordi and modulation in	and Installation449
SLIDE DOOR4	36 and installation449
Exploded View4	36 BACK DOOR450
DOOD ACCENDLY	Eyploded View
DOOR ASSEMBLY4	-
DOOR ASSEMBLY: Removal and Installation 4	
DOOR ASSEMBLY : Adjustment4	BACK DOOR ASSEMBLY : Removal and Installa-
DOOR STRIKER4	tion450
DOOR STRIKER : Removal and Installation 4	
BOOK OTKINERY. Removal and motaliation	BACK DOOR STRIKER454
UPPER ROLLER4	BACK DOOR STRIKER :454 BACK DOOR STRIKER : Removal and Installa-
UPPER ROLLER: Removal and Installation 44	10
	tion454
REAR ROLLER4	
REAR ROLLER: Removal and Installation4	BACK DOOR HINGE : Removal and Installation455
LOWER ROLLER4	11
LOWER ROLLER : Removal and Installation4	BACK DOOR STAY455
LOWER ROLLERY. ROMOVALANA INSTANCTION4	BACK DOOR STAY: Removal and Installation455
LOWER LATCH4	BACK DOOR STAY : Disposal456
LOWER LATCH: Removal and Installation 44	PACK DOOD WEATHER STRIP
	BACK DOOR WEATHER STRIP456
DOVETAIL4	
DOVETAIL: Removal and Installation4	Installation456
DOVETALE. Nemoval and motaliation	12 Installation400
BUMPER RUBBER4	13 HOOD LOCK458
	13 HOOD LOCK458
BUMPER RUBBER4	HOOD LOCK

HOOD LOCK : Removal and Installation458	Exploded View	. 478
HOOD LOCK CONTROL CABLE459	FUEL FILLER LID	. 478
HOOD LOCK CONTROL CABLE : Removal and Installation459	FUEL FILLER LID : Removal and Installation	
	FUEL FILLER OPENER CABLE	. 479
HOOD LOCK CONTROL HANDLE459 HOOD LOCK CONTROL HANDLE : Removal and	FUEL FILLER OPENER CABLE : Removal and Installation	. 479
Installation460		
Inspection460	FUEL FILLER LID LOCK	
FRONT DOOD LOOK	FUEL FILLER LID LOCK : Removal and Installa-	
FRONT DOOR LOCK 462 Exploded View 462	tion	
·	INTERLOCK	
DOOR LOCK462	Exploded View	. 481
DOOR LOCK : Removal and Installation462	SLIDE DOOR INTERLOCK	. 481
INSIDE HANDLE463	SLIDE DOOR INTERLOCK : Removal and Instal-	
INSIDE HANDLE : Removal and Installation463	lation	
OUTSIDE HANDLE463	FUEL FILLER INTERLOCK	481
OUTSIDE HANDLE : Removal and Installation463	FUEL FILLER INTERLOCK : Removal and Instal	
	lation	. 481
SLIDE DOOR LOCK 465	KEY OVENDED	
Exploded View465	KEY CYLINDER	. 483
DOOR LOCK466	GLOVE BOX LID KEY CYLINDER	. 483
DOOR LOCK : Removal and Installation466	GLOVE BOX LID KEY CYLINDER: Exploded	
DOOR LOCK: Inspection and Adjustment468	View	
INSIDE HANDLE470	GLOVE BOX LID KEY CYLINDER: Removal and	
INSIDE HANDLE : Removal and Installation470	Installation	. 483
	DOOR SWITCH	185
OUTSIDE HANDLE470	Removal and Installation	
OUTSIDE HANDLE : Removal and Installation470		
REMOTE CONTROL ASSEMBLY471	DOOR REQUEST SWITCH	.486
REMOTE CONTROL ASSEMBLY : Removal and	DRIVER SIDE	486
Installation472	DRIVER SIDE : Removal and Installation	
LOCK RELEASE ACTUATOR472	DAGGENGER GIRE	400
LOCK RELEASE ACTUATOR : Removal and In-	PASSENGER SIDEPASSENGER SIDE : Removal and Installation	
stallation473	PASSENGER SIDE . Removal and installation	. 400
	BACK DOOR	
AUTOMATIC SLIDING DOOR UNIT473	BACK DOOR : Removal and Installation	. 486
AUTOMATIC SLIDING DOOR UNIT : Removal and Installation473	INSIDE KEY ANTENNA	487
and installation473		
BACK DOOR LOCK 475	INSTRUMENT CENTER	. 487
Exploded View475	INSTRUMENT CENTER : Removal and Installa-	
DOOR LOCK475	tion	. 487
DOOR LOCK : Removal and Installation475	CONSOLE	. 487
	CONSOLE: Removal and Installation	. 487
BACK DOOR SUPPORT ROD476	LUCCACE DOOM	407
BACK DOOR SUPPORT ROD : Removal and In-	LUGGAGE ROOM : Removal and Installation	
stallation476	EUGGAGE ROOM . Removal and installation	. 401
TOUCH SENSOR476	OUTSIDE KEY ANTENNA	.489
TOUCH SENSOR : Removal and Installation476	DRIVER SIDE	400
EMEDGENCY I EVED	DRIVER SIDE : Removal and Installation	
EMERGENCY LEVER : Unlock procedures477	PINIVER SIDE . Nemoval and Installation	. 409
LIVILITOLINO I LLVLIT. OHIOOK PROCEGUIES4//	PASSENGER SIDE	
FUEL FILLER LID OPENER 478	PASSENGER SIDE : Removal and Installation	. 489

REAR BUMPER
INTELLIGENT KEY WARNING BUZZER490 Removal and Installation490
REMOTE KEYLESS ENTRY RECEIVER491 Removal and Installation491
INTELLIGENT KEY BATTERY492 Removal and Installation492
BACK DOOR CONTROL UNIT493 Removal and Installation493
AUTOMATIC BACK DOOR CONTROL MOD- ULE494 Removal and Installation494
AUTOMATIC BACK DOOR WARNING BUZZ-ER495 Removal and Installation495
AUTOMATIC DOOR MAIN SWITCH496 Exploded View496 Removal and Installation496
AUTOMATIC BACK DOOR CLOSE SWITCH. 497 Removal and Installation 497

AUTOMATIC BACK DOOR SWITCH498 Exploded View498
Removal and Installation498
SLIDING DOOR CONTROL UNIT499
RH499
RH : Removal and Installation499
LH499
LH : Removal and Installation499
SLIDING DOOR OPEN/CLOSE SWITCH 500
FRONT500
FRONT : Removal and Installation500
SLIDING DOOR LOCK ACTUATOR501
Removal and Installation501
AUTOMATIC SLIDING DOOR WARNING
BUZZER502
Removal and Installation502
SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

DLK

J

Α

В

С

 D

Е

F

G

Н

L

 \mathbb{N}

Ν

0

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal
 injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag
 Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

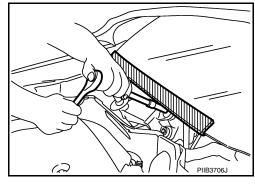
Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Procedure without Cowl Top Cover

INFOID:0000000012408438

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



Precautions For Xenon Headlamp Service

INFOID:0000000012408439

WARNING:

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- · Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector.

PRECAUTIONS

< PRECAUTION >

(Turning it ON outside the lamp case may cause fire or visual impairments.)

Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

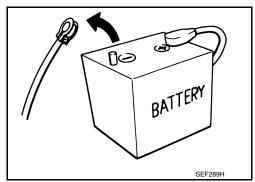
Precautions for Removing Battery Terminal

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

YS23DDT D4D engine : 20 minutes : 4 minutes HRA2DDT : 12 minutes YS23DDTT : 4 minutes K9K engine : 4 minutes ZD30DDTi : 60 seconds ZD30DDTT : 60 seconds M9R engine : 4 minutes

R9M engine : 4 minutes V9X engine : 4 minutes YD25DDTi : 2 minutes



NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

 After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:

- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
- Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
- Driving for 30 minutes or more on a steep slope.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.

Work

- After removing and installing the opening/closing parts, be sure to carry out fitting adjustments to check their operational.
- · Check the lubrication level, damage, and wear of each part. If necessary, grease or replace it.

DLK

Α

В

D

Е

Н

INFOID:0000000013042431

*____*____

 \mathbb{N}

Ν

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000012408442

The actual shapes of TechMate tools may differ from those of special service tools illustrated here.

Tool number (TechMate No.) Tool name		Description
(J-39570) Chassis ear	SIIAO993E	Locates the noise
(J-50397) NISSAN Squeak and Rat- tle Kit	SIIA0994E	Repairs the cause of noise

Commercial Service Tools

INFOID:0000000012408443

	Tool name	Description	
Engine ear	SIIA0995E	Locates the noise	
Remover tool	JMKIA9050ZZ	Removes clips, pawls and metal clips	

PREPARATION

< PREPARATION >

Tool name		Description
Power tool	PIIB1407E	Loosening bolts, nuts and screws
Hook and pick tool	JMJIA0490ZZ	Press tumbler stopper

DLK

J

Α

В

С

 D

Е

F

G

Н

L

 \mathbb{N}

Ν

0

< SYSTEM DESCRIPTION >

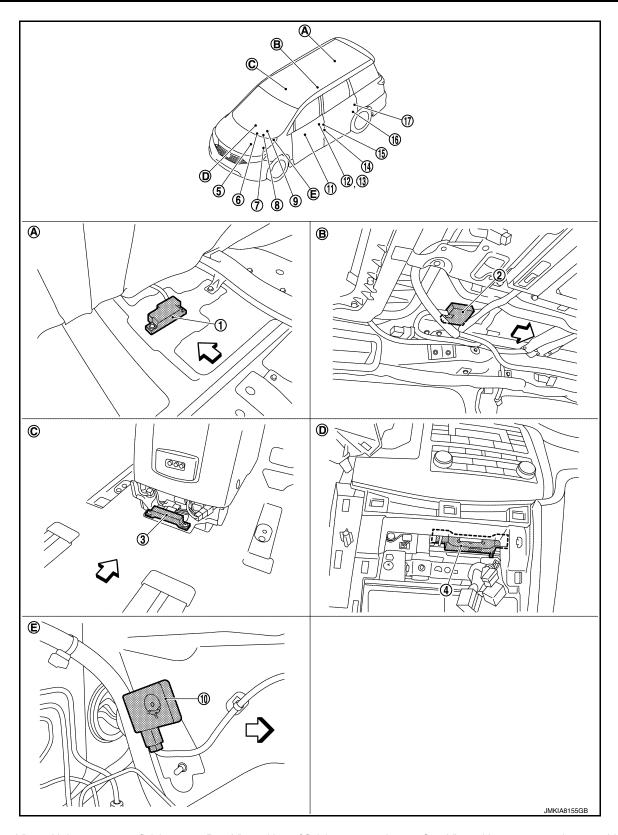
SYSTEM DESCRIPTION

COMPONENT PARTS DOOR LOCK SYSTEM

DOOR LOCK SYSTEM : Component Parts Location

INFOID:0000000012408444

Front View



- View with luggage room finisher re- B. moved
- D. View with cluster lid C removed
- 3. View with roof finisher removed
- E. Engine room LH
- C. View with center console assembly removed

Α

В

C

D

Е

F

G

Н

J

DLK

M

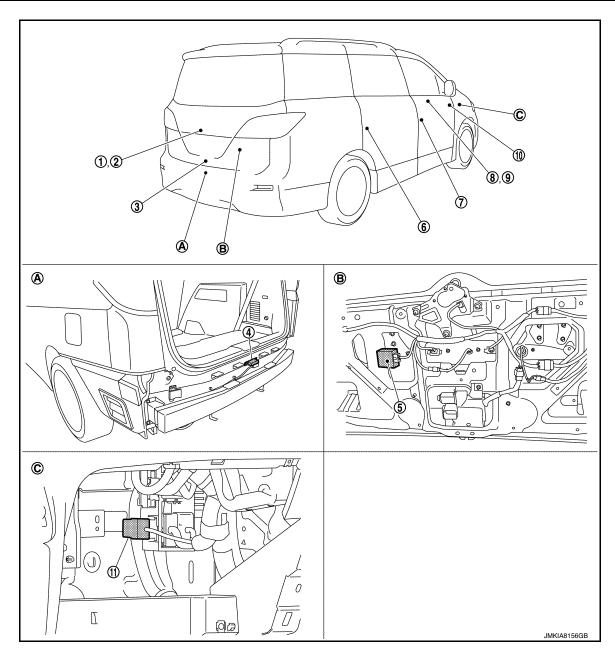
Ν

0

< SYSTEM DESCRIPTION >

No.	Component	Function
1.	Inside key antenna (luggage room)	DLK-27, "Inside Key Antenna"
2.	Remote keyless entry receiver	DLK-27, "Remote Keyless Entry Receiver"
3.	Inside key antenna (console)	DLK-27, "Inside Key Antenna"
4.	Inside key antenna (instrument center)	DLK-27, "Inside Key Antenna"
5.	TCM	Transmits shift position signal to BCM via CAN communication line Refer to TM-12, "CVT CONTROL SYSTEM: Component Parts Location" for detailed installation location
6.	Push-button ignition switch	 Inputs push-button ignition switch ON/OFF condition to BCM Inputs power switch ON/OFF condition to BCM Refer to <u>SEC-6</u>, "Component Parts Location" for detailed installation location
7.	IPDM E/R	Sounds horn via CAN communication between BCM Refer to PCS-4, "IPDM E/R: Component Parts Location" for detailed installation location
8.	ВСМ	BCM detects the vehicle status according to signals from each door switch, each outside/inside key antenna, and unlock sensor. BCM transmits drive signal to door lock actuator when BCM receives operation signal from remote keyless entry receiver and each switch Inputs back door open request signal to back door control unit Refer to BCS-5. "BODY CONTROL SYSTEM: Component Parts Location" for detailed installation location
9.	Combination meter	Displays each operation method guide and warning for system malfunction Performs operation method guide and warning with buzzer Transmits vehicle speed signal to CAN communication line Refer to MWI-7 , "METER SYSTEM: Component Parts Location" for detailed installation location
10.	Intelligent Key warning buzzer	DLK-28, "Intelligent Key Warning Buzzer"
11.	Door lock and unlock switch (driver side)	DLK-28, "Door Lock and Unlock Switch (Driver Side)"
12.	Front door outside handle assembly LH (outside key antenna)	DLK-27, "Front Door Outside Handle Assembly (Outside Key Antenna)"
13.	Front door request switch (driver side)	DLK-28, "Front Door Request Switch"
14.	Front door switch (driver side)	DLK-28, "Front Door Switch"
15.	Front door lock assembly (driver side)	DLK-28, "Front Door Lock Assembly (Driver Side)"
16.	Sliding door switch LH	DLK-31, "Sliding Door Switch"
17.	Sliding door lock assembly LH	DLK-31, "Sliding Door Lock Assembly"

Rear View



View with rear bumper removed

B. View with back door lower finisher removed

C. View with instrument lower panel RH removed

No.	Component	Function
1.	Back door opener switch	DLK-29, "Back Door Opener Switch"
2.	Back door request switch	DLK-29, "Back Door Request Switch"
3.	Back door lock assembly	DLK-29, "Back Door Lock Assembly (Without Automatic Back Door System)"
4.	Outside antenna (rear bumper)	DLK-27, "Outside Key Antenna (Rear Bumper)"
5.	Back door control unit	DLK-29, "Back Door Control Unit (Without Automatic Back Door System)"
6.	Sliding door switch RH	DLK-31, "Sliding Door Switch"
7.	Front door switch (passenger side)	DLK-28, "Front Door Switch"
8.	Front door outside handle assembly RH (outside key antenna)	DLK-27, "Front Door Outside Handle Assembly (Outside Key Antenna)"
9.	Front door request switch (passenger side)	DLK-28, "Front Door Request Switch"

Α

В

 D

Е

F

G

Н

J

DLK

M

Ν

0

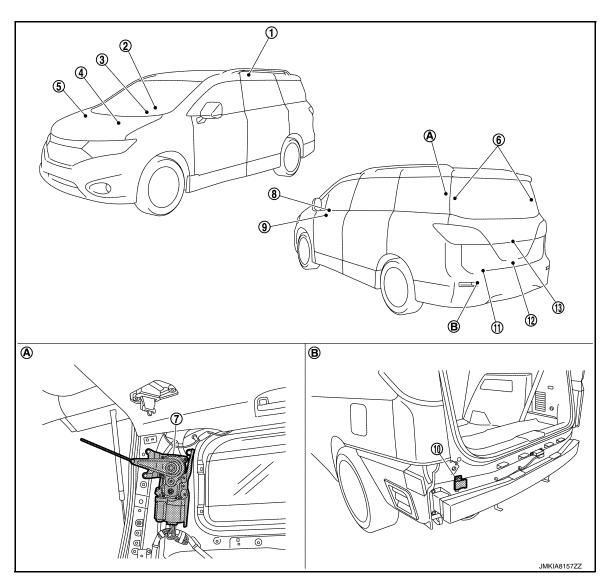
< SYSTEM DESCRIPTION >

No.	Component	Function
10.	Door lock and unlock switch (passenger side)	DLK-28, "Door Lock and Unlock Switch (Passenger Side)"
11.	Selective unlock relay	DLK-29, "Selective Unlock Relay"

AUTOMATIC BACK DOOR SYSTEM

AUTOMATIC BACK DOOR SYSTEM : Component Parts Location

INFOID:0000000012408445



A. View with luggage side upper finish- B. View with rear bumper removed er removed

No.	Component	Function
1.	Remote keyless entry receiver	Receives Intelligent Key operation and transmits to BCM Refer to <u>DLK-18</u> , " <u>DOOR LOCK SYSTEM</u> : Component Parts Location" for detailed installation location
2.	Combination meter	Transmits vehicle speed signal to CAN communication line Refer to MWI-7, "METER SYSTEM: Component Parts Location" for detailed installation location
3.	всм	Transmits and receives signal to the automatic back door control module Refer to BCS-5, "BODY CONTROL SYSTEM: Component Parts Location" for detailed installation location

< SYSTEM DESCRIPTION >

No.	Component	Function
4.	ТСМ	Transmits shift position signal to BCM via CAN communication line Refer to TM-12, "CVT CONTROL SYSTEM: Component Parts Location" for detailed installation location
5.	ABS actuator and electric unit	Transmits vehicle speed signal to CAN communication line Refer to BRC-9, "Component Parts Location" for detailed installation location
6.	Back door touch sensor LH/RH	DLK-30, "Back Door Touch Sensor"
7.	Automatic back door control module	DLK-30. "Automatic Back Door Control Module"
8.	Automatic back door switch	DLK-30. "Automatic Back Door Switch"
9.	Automatic door main switch	DLK-30, "Automatic Door Main Switch"
10.	Automatic back door warning buzzer	DLK-30. "Automatic Back Door Warning Buzzer"
11.	Automatic back door close switch	DLK-30. "Automatic Back Door Close Switch"
12.	Back door lock assembly	DLK-30, "Back Door Lock Assembly (With Automatic Back Door System)"
13.	Automatic back door opener switch	DLK-30, "Automatic Back Door Opener Switch"

AUTOMATIC SLIDING DOOR SYSTEM

AUTOMATIC SLIDING DOOR SYSTEM : Component Parts Location

INFOID:0000000012408446

RH

DLK

Α

В

 D

Е

F

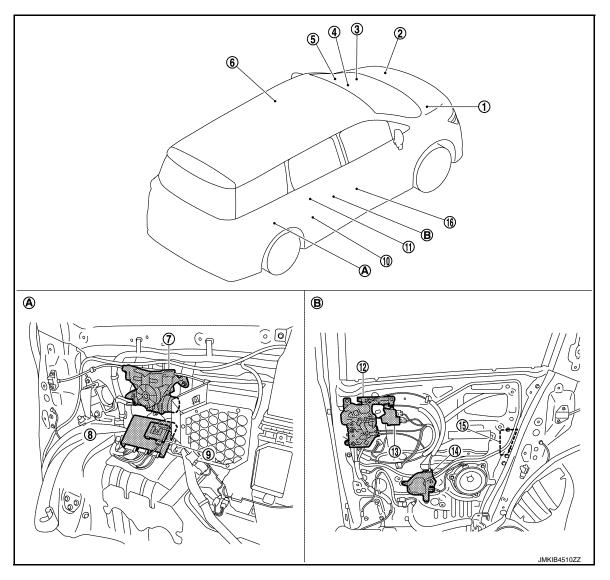
Н

IVI

Ν

C

F



A. View with luggage side lower finisher B. View with sliding door finisher RH re-RH removed moved

No.	Component	Function
1.	ABS actuator and electric unit	Transmits vehicle speed signal to sliding door control unit via CAN communication line Refer to BRC-9, "Component Parts Location" for detailed installation location
2.	TCM	Transmits shift position signal to sliding door control unit via CAN communication line Refer to TM-12, "CVT CONTROL SYSTEM: Component Parts Location" for detailed installation location
3.	ВСМ	Transmits ignition switch ON signal, automatic sliding door operate request signal and sleep wake up signal to sliding door control unit via CAN communication line Refer to BCS-5, "BODY CONTROL SYSTEM: Component Parts Location" for detailed installation location
4.	Combination meter	Transmits vehicle speed signal to sliding door control unit via CAN communication line Refer to MWI-7, "METER SYSTEM: Component Parts Location" for detailed installation location

< SYSTEM DESCRIPTION >

No.	Component		Function
5.	Automatic sliding door open/close switch (driver side)		DLK-30, "Automatic Sliding Door Open/Close Switch"
6.	Remote keyless entry receiver		Receives Intelligent Key operation and transmits to BCM Refer to DLK-18, "DOOR LOCK SYSTEM: Component Parts Location" for detailed installation location
	Automatic sliding door unit RH	Encoder	DLK-30, "Automatic Sliding Door Unit"
7.		Clutch	
		Automatic sliding door motor	
8.	Sliding door control unit RH		DLK-31, "Sliding Door Control Unit"
9.	Automatic sliding door warning buzzer RH		DLK-31. "Automatic Sliding Door Warning Buzzer"
10.	Sliding door switch RH		DLK-31, "Sliding Door Switch"
11.	Automatic sliding door one-touch open/close switch RH		DLK-31, "Automatic Sliding Door One-Touch Open/Close Switch"
12.	Remote control assembly RH (sliding door handle switch)		DLK-31, "Remote Control Assembly"
	Sliding door lock actuator RH	Sliding door lock actuator	DLK-31, "Sliding Door Lock Actuator"
13.		Sliding door lock status switch	
14.	Sliding door lock release actuator RH		DLK-31, "Sliding Door Lock Release Actuator"
15.	Sliding door lock assembly RH	Neutral switch	DLK-31, "Sliding Door Lock Assembly"
		Full latch switch	
		Half latch switch	
		Sliding door closure motor	
16.	Sliding door touch sensor RH		DLK-31, "Sliding Door Touch Sensor"

LH

DLK

J

Α

В

С

 D

Е

F

G

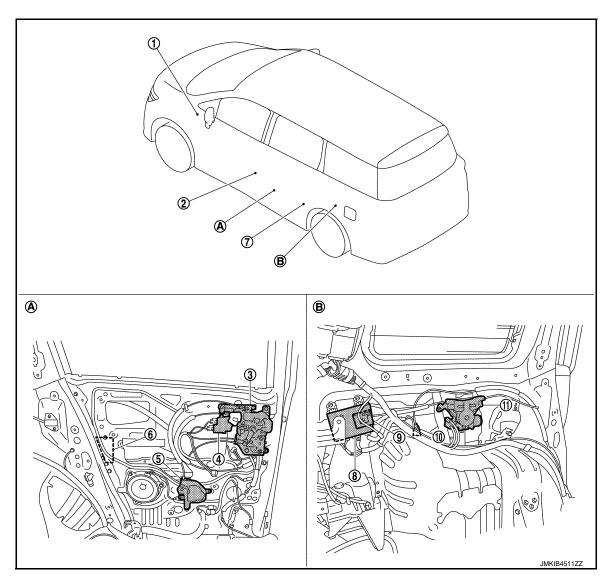
Н

L

 \mathbb{N}

Ν

0



View with sliding door finisher LH re- B. View with luggage side lower finisher moved
 LH removed

No.	Component		Function
1.	Automatic door main switch		DLK-30, "Automatic Door Main Switch"
2.	Sliding door touch sensor LH		DLK-31, "Sliding Door Touch Sensor"
3.	Remote control assembly LH (sliding door handle switch)		DLK-31, "Remote Control Assembly"
	Sliding door lock actuator LH	Sliding door lock actuator	DLK-31, "Sliding Door Lock Actuator"
4.		Sliding door lock status switch	
5.	Sliding door lock release actuator LH		DLK-31, "Sliding Door Lock Release Actuator"
	Sliding door lock assembly LH	Neutral switch	DLK-31, "Sliding Door Lock Assembly"
		Full latch switch	
6.		Half latch switch	
		Sliding door closure motor	
7.	Sliding door switch LH		DLK-31, "Sliding Door Switch"
8.	Sliding door control unit LH		DLK-31. "Sliding Door Control Unit"
6.	Sliding door lock release actuator LH Sliding door lock assembly LH Sliding door lock assembly LH Sliding door closure motor		DLK-31, "Sliding Door Lock Assembly" DLK-31, "Sliding Door Switch"

< SYSTEM DESCRIPTION >

No.	Component		Function
9.	Automatic sliding door warning buzzer LH		DLK-31, "Automatic Sliding Door Warning Buzzer"
10.	Fuel filler lid status switch		DLK-32, "Fuel Filler Lid Sliding Door Unit"
11.	Automatic sliding door unit LH	Encoder	DLK-30, "Automatic Sliding Door Unit"
		Clutch	
		Automatic sliding door motor	

Inside Key Antenna

INFOID:0000000012408447

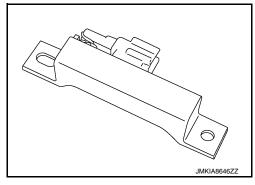
Α

В

D

Е

Inside key antenna detects that Intelligent Key is within the inside detection area, and then transmits detection status to BCM.



Front Door Outside Handle Assembly (Outside Key Antenna)

INFOID:0000000012408448

Outside key antenna detects that Intelligent Key is within the outside detection area, and then transmits
detection status to BCM. Request signal is transmitted simultaneously to Intelligent Key.

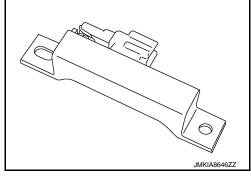
DLK-27

Outside key antenna is installed in side outside handle assembly.

Outside Key Antenna (Rear Bumper)

INFOID:0000000012408449

- Outside key antenna (rear bumper) detects that Intelligent Key is within the outside detection area, and then transmits detection status to BCM. Request signal is transmitted simultaneously to Intelligent Key.
- Outside key antenna (rear bumper) is installed in the rear of rear bumper.

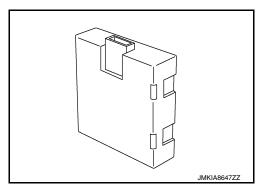


Remote Keyless Entry Receiver

Revision: October 2015

INFOID:0000000012408450

Remote keyless entry receiver receives button operation signal and key ID signal of Intelligent Key, and then transmits them to BCM.



2016 Quest

Ν

DLK

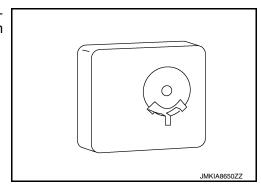
O

< SYSTEM DESCRIPTION >

Intelligent Key Warning Buzzer

INFOID:0000000012408451

Intelligent Key warning buzzer warns the user, who is outside vehicle, of operation confirmation according to Intelligent Key operation and door request switch operation, or of an inappropriate operation.



Door Lock and Unlock Switch (Driver Side)

INFOID:0000000012408452

- Door lock and unlock switch transmits door lock/unlock signal operation to BCM.
- Door lock and unlock switch is Integrated in the power window main switch.

Door Lock and Unlock Switch (Passenger Side)

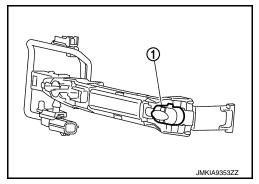
INFOID:0000000012408453

- Door lock and unlock switch transmits door lock/unlock signal operation to BCM.
- Door lock and unlock switch is Integrated in the front power window switch (passenger side).

Front Door Request Switch

INFOID:0000000012408454

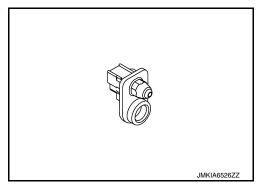
- Front door request switch (1) transmits door request switch signal to BCM.
- Front door request switch (1) integrated in outside handle assembly.



Front Door Switch

INFOID:0000000012408455

Door switch detects open/close status of door and transmits door switch signal to BCM.



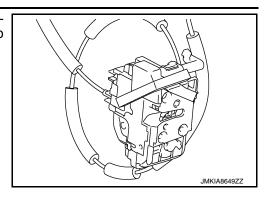
Front Door Lock Assembly (Driver Side)

INFOID:0000000012408456

- Door lock actuator and unlock sensor are Integrated in driver door lock assembly.
- Door lock actuator receives lock/unlock signal from BCM, and then locks/unlocks driver door.

< SYSTEM DESCRIPTION >

Only front door lock assembly (driver side) integrates unlock sensor. Unlock sensor transmits lock/unlock status of driver seat to BCM.



Back Door Opener Switch

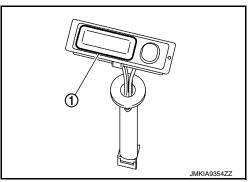
INFOID:0000000012408457

Α

Е

DLK

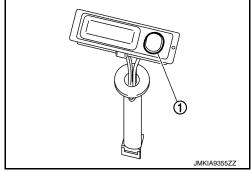
- Back door opener switch (1) transmits back door opener switch signal to BCM.
- Back door opener switch (1) is integrated in outside handle (back



Back Door Request Switch

INFOID:0000000012408458

- Back door request switch (1) transmits back door request switch signal to BCM.
- Back door request switch (1) is integrated in outside handle (back door).



Back Door Lock Assembly (Without Automatic Back Door System)

- operation.

Controls the back door auto closure system.

Selective Unlock Relay

Back door closure motor, half latch switch, open switch, close switch and back door switch are installed Closure motor: Inputs open/close signal from back door control unit and activates the back door auto closure Ν Half latch switch: Starts the closure motor close operation. Open switch: Stops the closure motor open operation. Close switch: Stops the closure motor close operation. Back door switch: Detects open/close status of back door and transmits signal to BCM. Back Door Control Unit (Without Automatic Back Door System) INFOID:0000000012408460 Р INFOID:0000000012408461 Detects open/close status of front door (passenger side) and transmits signal to BCM.

DLK-29 Revision: October 2015 2016 Quest

< SYSTEM DESCRIPTION >

Back Door Touch Sensor

INFOID:0000000012408462

During back door close operation, the touch sensor detects any trapped foreign material.

Automatic Back Door Control Module

INFOID:0000000012408463

Automatic back door control unit, encoder, automatic back door motor and clutch are installed.

- Automatic back door control unit: Controls the automatic back door system.
- Encoder: Automatic back door control unit receives the pulse signals from encoders A and B that occurred due to synchronization with the back door operation. The automatic back door control unit calculates the back door position, operation direction, and operation speed according to the received pulse signals.
- Automatic back door motor: Inputs open/close signal from automatic back door control unit and activates the automatic back door open/close operation.
- Clutch: Performs the duty control of the power supply to control the operation speed of the back door.

Automatic Back Door Switch

INFOID:0000000012408464

Detects open/close operation of automatic back door

Automatic Door Main Switch

INFOID:0000000012408465

- Controls automatic open/close operation of each switches.
- Transmits automatic door main switch signal to sliding door control unit and automatic back door control module.

Automatic Back Door Warning Buzzer

INFOID:0000000012408466

Warns the user of the automatic back door condition and inappropriate operations with the buzzer sounds

Automatic Back Door Close Switch

INFOID:0000000012408467

- Detects close operation of automatic back door.
- Transmits automatic back door close switch signal to automatic back door control module.

Back Door Lock Assembly (With Automatic Back Door System)

INFOID:0000000012408468

Back door closure motor, half latch switch, open switch, close switch and back door switch are installed.

- Closure motor: Inputs open/close signal from automatic back door control module and activates the back door auto closure operation.
- Half latch switch: Starts the closure motor close operation.
- Open switch: Stops the closure motor open operation.
- Close switch: Stops the closure motor close operation.
- Back door switch: Inputs back door open/ close condition to BCM.

Automatic Back Door Opener Switch

INFOID:0000000012408469

Door switch detects open/close status of door and transmits door switch signal to BCM.

- · Detects open operation of automatic back door.
- Transmits automatic back door opener switch signal to automatic back door control module.

Automatic Sliding Door Open/Close Switch

INFOID:0000000012408470

Transmits automatic sliding door open/close switch signal to sliding door control unit.

Automatic Sliding Door Unit

INFOID:0000000012408471

Encoder, clutch and automatic sliding door motor are installed.

- Encoder: Sliding door control unit receives the pulse signals from encoders A and B that occurred due to synchronization with the sliding door operation. The sliding door control unit calculates the sliding door position, operation direction, and operation speed according to the received pulse signals.
- Clutch: Performs the duty control of the power supply to control the operation speed of the sliding door.
- Automatic sliding door motor: Inputs open/close signal from sliding door control unit and activates the automatic sliding door auto open/close operation.

Revision: October 2015 DLK-30 2016 Quest

< SYSTEM DESCRIPTION >

Sliding Door Control Unit

INFOID:0000000012408472

Α

D

Controls the automatic sliding door system

Automatic Sliding Door Warning Buzzer

INFOID:0000000012408473

Warns the user of the automatic sliding door condition and inappropriate operations with the buzzer sounds.

Automatic Sliding Door One-Touch Open/Close Switch

INFOID:0000000012408474

Transmits automatic sliding door one-touch open/close switch signal to sliding door control unit.

Remote Control Assembly

INFOID:0000000012408475

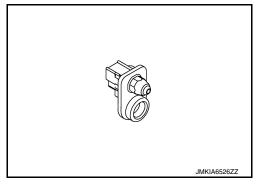
Sliding door handle switch is installed.

• Sliding door handle switch: Detects operation/non-operation status of sliding door handle and transmits signal to sliding door control unit.

Sliding Door Switch

INFOID:0000000012408476

Door switch detects open/close status of door and transmits door switch signal to BCM.



Sliding Door Lock Actuator

INFOID:0000000012408477

SLIDING DOOR LOCK ACTUATOR

Child lock status switch and sliding door handle switch are installed.

SLIDING DOOR LOCK STATUS SWITCH

- Child lock status switch: Detects lock/unlock status of sliding door child lock and transmits signal to sliding door control unit.
- Sliding door handle switch: Detects operation/non-operation status of sliding door handle and transmits signal to sliding door control unit.

Sliding Door Lock Release Actuator

INFOID:0000000012408478

Inputs release signal from sliding door control unit and releases sliding door latch

Sliding Door Lock Assembly

INFOID:0000000012408479

- Door lock actuator is Integrated in driver door lock assembly.
- Door lock actuator receives lock/unlock signal from BCM, and then locks/unlocks sliding door.
- Neutral switch, full latch switch, half latch switch and sliding door closure motor are installed.
- Neutral switch: Detects neutral position of sliding door closure motor.
- Full latch switch: Detects fully closed status of sliding door.
- Half latch switch: Detects half latch status of sliding door.
- Sliding door closure motor: Inputs close signal from sliding door control unit and activates the sliding door auto closure operation.

Sliding Door Touch Sensor

INFOID:0000000012408480

During sliding door close operation, the touch sensor detects any trapped foreign material.

DLK

< SYSTEM DESCRIPTION >

Fuel Filler Lid Sliding Door Unit

INFOID:0000000012408481

- Detects open/close status of fuel filler lid and transmits signal to sliding door control unit.
- Integrated in fuel filler interlock assembly.

SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >

SYSTEM (POWER DOOR LOCK SYSTEM)

System Description

INFOID:0000000012408482

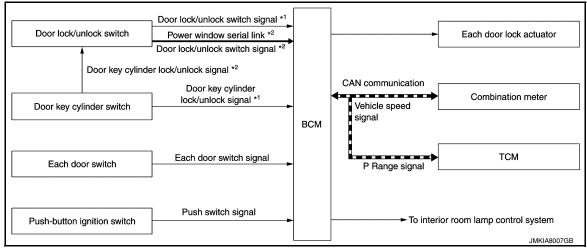
Α

D

Е

Н

SYSTEM DIAGRAM



^{*1:}With driver side window anti-pinch

DOOR LOCK FUNCTION

Door Lock and Unlock Switch

- The door lock and unlock switch (driver side) is build into power window main switch.
- The door lock and unlock switch (passenger side) is build into front power window switch (passenger side).
- Interlocked with the locking operation of door lock and unlock switch, door lock actuators of all doors are locked.
- Interlocked with the unlocking operation of door lock and unlock switch, door lock actuators of all doors actuator are unlocked.

Door Key Cylinder Switch

- With the mechanical key inserted in the door key cylinder on driver side, turning it to lock position, locks door lock actuator of all doors.
- With the mechanical key inserted in the door key cylinder on driver side, turning it to unlock position once unlocks the driver side door, turning it to unlock position again within 60 seconds after the first unlock operation unlocks all of the other doors actuator. (SELECTIVE UNLOCK OPERATION)

Selective unlock operation mode can be changed using CONSULT.

Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)".

DOOR KEY CYLINDER SWITCH POWER WINDOW FUNCTION

Driver side door key cylinder LOCK/UNLOCK operation can activate power window. Refer to PWC-10, "System Description" (with front window anti-pinch), PWC-76, "System Description" (driver side window anti-pinch).

IGNITION POSITION WARNING FUNCTION

When door lock and unlock switch are operated while driver side door is open and ignition position is ACC or ON, door locks once but immediately unlocks.

INTERIOR ROOM LAMP CONTROL FUNCTION

Interior room lamp is controlled according to door lock/unlock state, refer to INL-7, "INTERIOR ROOM LAMP CONTROL SYSTEM: System Description".

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (LOCK OPERATION)

The interlock door lock function is the function that locks all doors linked with the vehicle speed or shift position. It has 2 types as per the following items.

Vehicle Speed Sensing Auto Door Lock

All doors are locked when the vehicle speed reaches 24 km/h (15 MPH) or more.

DLK

J

M

N

^{*2:}With front window anti-pinch

SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is turned ON, all doors are closed and the vehicle speed received from the combination meter via CAN communication becomes 24 km/h (15 MPH) or more.

P Range Interlock Door Lock

All doors are locked when shifting the selector lever from the P position to any position other than P.

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is in the ON position, all doors are closed and the shift signal received from the TCM via CAN communication shifted from the P position to any position other than P.

Setting change of Automatic Door Lock/Unlock Function

The lock operation setting of the automatic door lock/unlock function can be changed.

(P) With CONSULT

The ON/OFF switching of the automatic door lock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT.

⋈ Without CONSULT

The automatic door lock function ON/OFF can be switched by performing the following operation.

- 1. Close all doors (door switch OFF)
- 2. Ignition switch: OFF→ON
- Press and hold the door lock and unlock switch for 5 seconds or more in the lock direction within 20 seconds after turning the ignition switch ON.
- 4. The switching complete when the hazard lamp blinks.

 $OFF \rightarrow ON$: 2 blinks $ON \rightarrow OFF$: 1 blink

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (UNLOCK OPERATION)

The automatic door lock/unlock function is the function that unlocks all doors linked with the key position or shift position. It has 2 types as per the following items.

IGN OFF Interlock Door Unlock

All doors are unlocked when the power supply position is changed from ON to OFF.

BCM outputs the unlock signal to all door lock actuators when it detects that the power supply position is changed from ignition switch ON to OFF.

P Range Interlock Door Unlock

All doors are unlocked when shifting the selector lever from any position other than the P to P position.

BCM outputs the unlock signal to all door lock actuators when it detects that the ignition switch is in the ON position and the shift signal received from TCM via CAN communication is shifted from any position other than the P to P position.

Setting change of Automatic Door Lock/Unlock Function

The unlock operation setting of the automatic door lock/unlock function can be changed.

(P) With CONSULT

The ON/OFF switching of the automatic door lock/unlock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT.

⋈ Without CONSULT

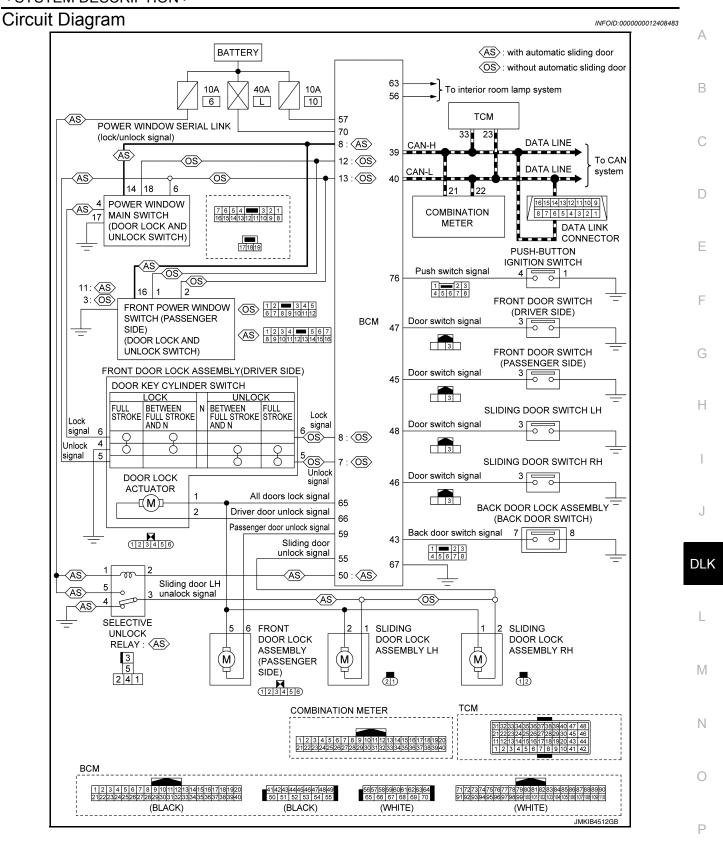
The automatic door lock/unlock function ON/OFF can be switched by performing the following operation.

- Close all doors (door switch OFF)
- 2. Ignition switch: OFF→ON
- 3. Press and hold the door lock and unlock switch for 5 seconds or more in the unlock direction within 20 seconds after turning the power supply position ON.
- The switching is complete when the hazard lamp blinks.

 $OFF \rightarrow ON$: 2 blinks $ON \rightarrow OFF$: 1 blink

SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >



SYSTEM (INTELLIGENT KEY SYSTEM)

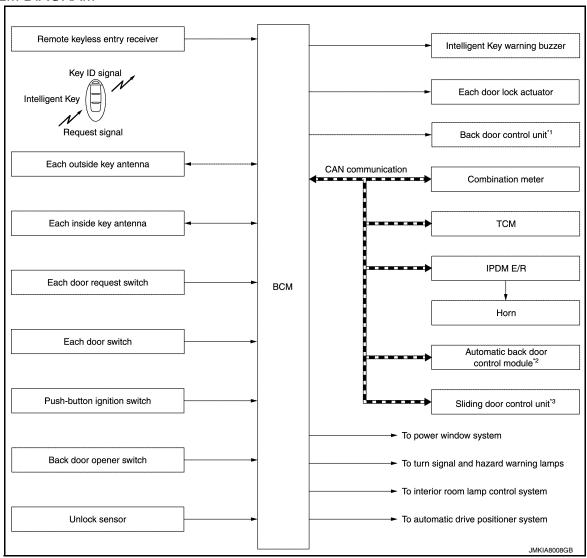
< SYSTEM DESCRIPTION >

SYSTEM (INTELLIGENT KEY SYSTEM) INTELLIGENT KEY SYSTEM

INTELLIGENT KEY SYSTEM: System Description

INFOID:0000000012408484

SYSTEM DIAGRAM



^{*1:}With back door auto closure system

 The Intelligent Key system is a system that makes it possible to lock and unlock the door locks (door lock/ unlock function) by carrying the Intelligent Key, which operates based on the results of electronic ID verification using two-way communication between the Intelligent Key and the vehicle (BCM).
 NOTE:

The driver should always carry the Intelligent Key

- The settings for each function can be changed with CONSULT.
- If an Intelligent Key is lost, a new Intelligent Key can be registered. A maximum of 4 Intelligent Keys can be registered.
- It is possible to perform a diagnosis on the system and register an Intelligent Key with CONSULT.

^{*2:}With automatic back door system

^{*:}With automatic sliding door system

< SYSTEM DESCRIPTION >

Function	Description	Refer			
Door lock	Lock/unlock can be performed by pressing the request switch	DLK-40			
Back door opener	The back door can be opened by carrying the Intelligent Key and pressing the back door opener switch				
Remote keyless entry	Lock/unlock can be performed by pressing the remote controller button of the Intelligent Key				
The key reminder buzzer sounds a warning if the door is locked with the key left inside the vehicle					
Warning	If an action that does not meet the operating condition of the Intelligent Key system is taken, the buzzer sounds to inform the driver	<u>DLK-47</u>			
Engine start	The engine can be turned on while carrying the Intelligent Key	SEC-10			
Interior room lamp control	Interior room lamp is controlled according to door lock/unlock state	<u>INL-7</u>			
Power window	Power window can be operated by Intelligent Key button operation	PWC-10			
Automatic drive positioner	Automatic drive positioner system can be operated by door unlock operation	ADP-10			
Panic alarm	When Intelligent Key panic alarm button is pressed, horn sounds	SEC-20			

G

Α

В

С

D

Е

F

Н

J

DLK

L

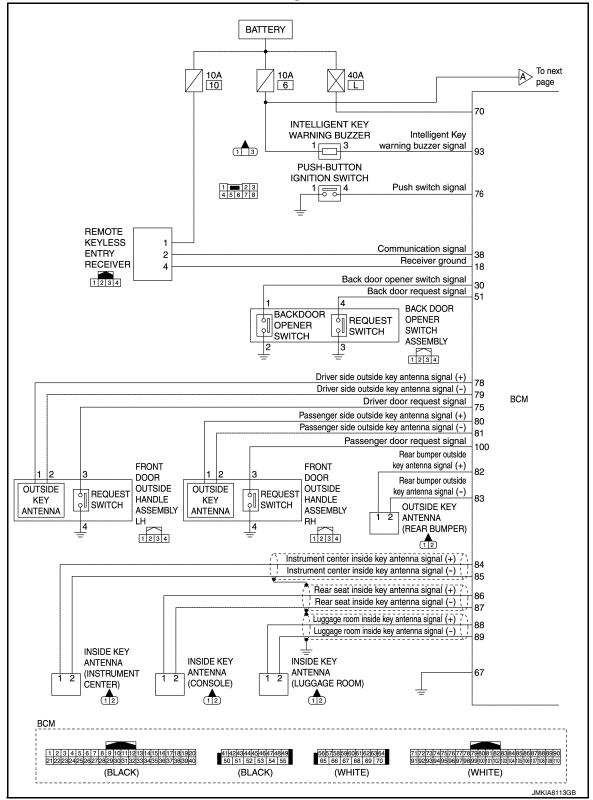
M

Ν

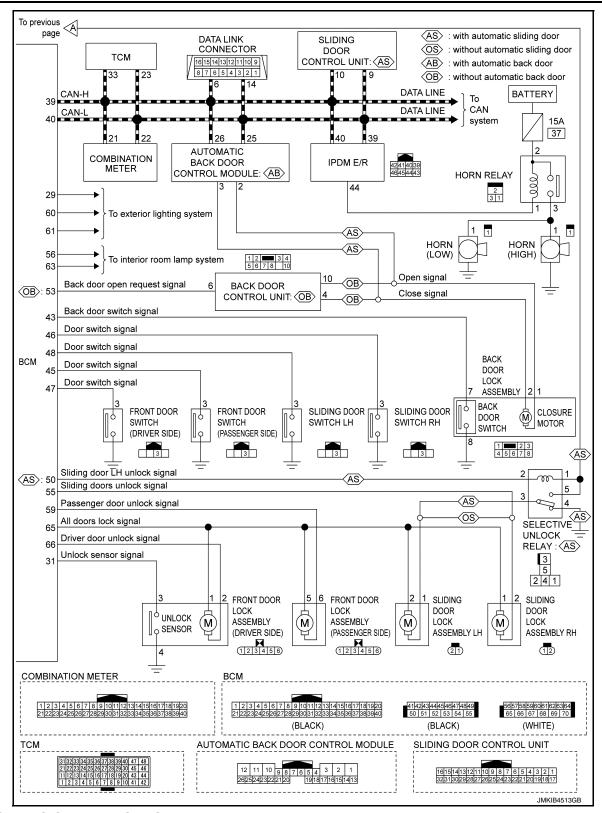
0

INTELLIGENT KEY SYSTEM : Circuit Diagram

INFOID:0000000012408485



< SYSTEM DESCRIPTION >



DOOR LOCK FUNCTION

Revision: October 2015

DLK-39 2016 Quest

В

Α

D

Е

F

G

Н

DLK

M

Ν

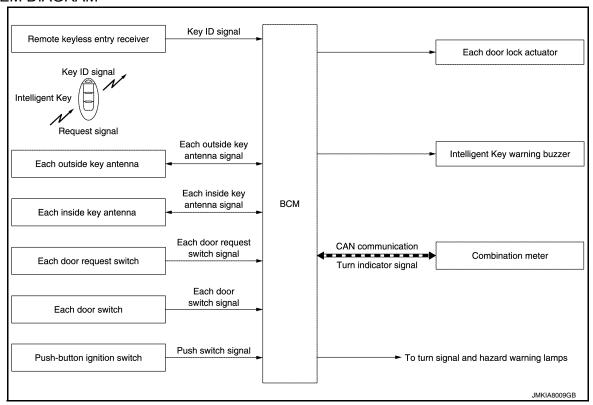
0

< SYSTEM DESCRIPTION >

DOOR LOCK FUNCTION: System Description

INFOID:0000000012408486

SYSTEM DIAGRAM



DOOR REQUEST SWITCH OPERATION

Only when pressing the door request switch, it is possible to lock and unlock the door by carrying the Intelligent Key.

OPERATION DESCRIPTION

- When the BCM detects that each door request switch is pressed, it activates the outside key antenna and inside key antenna corresponding to the pressed door request switch and transmits the request signal to the Intelligent Key. And then, check that the Intelligent Key is near the door.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- BCM locks/unlocks each doors.
- BCM sounds Intelligent Key warning buzzer (lock: 2 times, unlock: 1 time) and blinks hazard warning lamps (lock: 2 times, unlock: 1 time) at the same time as a reminder.

OPERATION CONDITION

If the following conditions are satisfied, door lock/unlock operation is performed if the door request switch is operated.

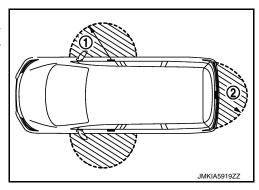
Each door request switch operation	Operation condition				
Lock	 All doors are closed Panic alarm is not activated P position warning is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area* 				
Unlock	 Panic alarm is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area* 				

^{*:} Even with a registered Intelligent Key remaining inside the vehicle, door locks can be locked/unlocked from outside of the vehicle with a spare Intelligent Key as long as key IDs are different.

< SYSTEM DESCRIPTION >

OUTSIDE KEY ANTENNA DETECTION AREA

The outside key antenna detection area of door lock/unlock function is in the range of approximately 80 cm (31.50 in) surrounding the driver, passenger door handles (1) and back door handle (2). However, this operating range depends on the ambient conditions.



SELECTIVE UNLOCK FUNCTION

Lock Operation

When an LOCK signal is sent from door request switch (driver side, passenger side, back door), all doors and fuel filler lid are locked.

Unlock Operation

- When an UNLOCK signal from driver side door request switch is transmitted, driver side door are unlocked. When another UNLOCK signal is transmitted within 60 seconds, all other doors are unlocked, back door open permission is set.
- When an UNLOCK signal from passenger side door request switch is transmitted, passenger side door is unlocked. When another UNLOCK signal is transmitted within 60 seconds, all other doors are unlocked, back door open permission is set.
- When an UNLOCK signal from back door request switch is transmitted, back door open permission is set. When another UNLOCK signal is transmitted within 60 seconds, all doors are unlocked.
- Only the door, of which one touch switch is pressed, unlock and starts automatic open operation when onetouch switch of sliding door is pressed.

How To Change Selective Unlock Operation Mode

Selective unlock operation mode can be changed using CONSULT.

Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)".

HAZARD AND BUZZER REMINDER FUNCTION

During lock or unlock operation by each door request switch, the hazard warning lamps and Intelligent Key warning buzzer blinks or honks as a reminder.

Operating Function Of Hazard And buzzer Reminder

Operation	Hazard warning lamp blinks	Intelligent Key warning buzzer honks
Unlock	Once	Once
Lock	Twice	Twice

Hazard and buzzer reminder does not operate in the following conditions.

- · Ignition switch position is ON
- Door is open (only lock operation)

How To Change Hazard And Buzzer Reminder Mode

Hazard and buzzer reminder mode can be changed using CONSULT.

Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by door request switch operation and if 60 seconds or more passes without performing the following operation, all doors are automatically locked. However, operation check function does not activate.

Operating condition	Door switch is ON (door is open)Door is lockedPush switch is pressed
---------------------	--

How To Change Auto Door Lock Operation Mode

Auto door lock operation mode can be changed using CONSULT.

DLK-41 Revision: October 2015 2016 Quest DLK

А

D

Е

N

< SYSTEM DESCRIPTION >

Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)".

LIST OF OPERATION RELATED PARTS

Parts marked with × are the parts related to operation.

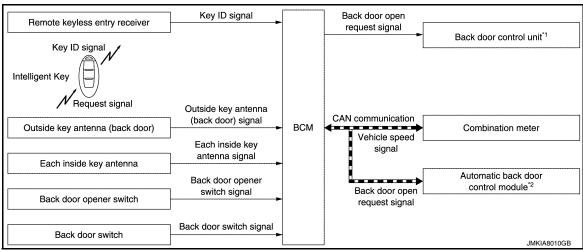
Function	Intelligent Key	Remote keyless entry receiver	Door switch	Door request switch	Door lock actuator	Inside key antenna	Outside key antenna	CAN communication system	BCM	Hazard warning lamp	Intelligent Key warning buzzer	Push-button ignition switch
Door lock/unlock function	×	×	×	×	×	×	×		×			
Hazard reminder function								×	×	×	×	
Selective unlock function	×			×	×	×	×		×			
Auto door lock function	×				×				×			×

BACK DOOR OPEN FUNCTION

BACK DOOR OPEN FUNCTION: System Description

INFOID:0000000012408487

BACK DOOR OPEN OPERATION



^{*1:}With back door auto closure system

BACK DOOR OPEN OPERATION

This section describes the operation of the back door opener switch.

- The back door open function can open the back door by pressing the back door opener switch while carrying the Intelligent Key and all doors are locked.
- The back door open function enables the back door to be opened by pressing back door opener switch after BCM transmits UNLOCK signal to each door.Refer to <u>DLK-52</u>, "System <u>Description"</u>.

BACK DOOR OPEN (WITH BACK DOOR AUTO CLOSURE SYSTEM MODELS)

- When the BCM detects that back door opener switch is pressed, it activates the outside key antenna (rear bumper) and inside key antenna and transmits the request signal to the Intelligent Key. And then, check that the Intelligent Key is near the back door.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- If the verification result is OK, BCM transmits the back door open request signal to back door control unit.

^{*2:}With automatic back door system

< SYSTEM DESCRIPTION >

- Back door control unit transmits back door open request signal to back door lock assembly and back door is open.
- When back door is open, back door auto closure system performs waiting operation for next back door close operation.
- The operation of then back door open is the same as the back door auto closure system, refer to <u>DLK-52</u>, <u>"System Description"</u>.

BACK DOOR OPEN (WITH AUTOMATIC BACK DOOR SYSTEM MODELS)

- When the BCM detects that back door opener switch is pressed, it activates the outside key antenna (rear bumper) and inside key antenna and transmits the request signal to the Intelligent Key. And then, check that the Intelligent Key is near the back door.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- If the verification result is OK, BCM transmits the back door open request signal to automatic back door control module via CAN communication.
- Automatic back door control module transmits back door open request signal to back door lock assembly and back door is open.
- When the back door is open, automatic back door system performs waiting operation for next back door close operation.
 - The operation of then back door open is the same as the automatic back door system, refer to <u>DLK-61</u>. "<u>OPEN FUNCTION</u>: <u>System Description</u>".

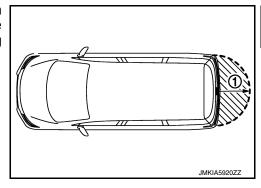
OPERATION CONDITION

If the following conditions are not satisfied, back door open operation is not performed even if the back door opener switch is operated.

Back door opener switch operation	Operation condition
Back door open	 Vehicle speed is less than 5 km/h (3 MPH) Intelligent Key is within outside key antenna (back door) detection area Back door is closed Panic alarm is not activated

OUTSIDE KEY ANTENNA DETECTION AREA

The outside key antenna detection area of back door open function is in the range of approximately 80 cm (31.50 in) surrounding the outside key antenna (rear bumper) (1). However, this operating range depends on the ambient conditions.



LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

DLK

Α

В

D

Е

Н

M

0

Function	Intelligent Key	Remote keyless entry receiver	Back door opener switch	Back door lock assembly	Inside key antenna	Outside key antenna (rear bumper)	CAN communication system	BCM	Back door control unit*1	Automatic back door control module*2
Back door open function	×	×	×	×	×	×	×	×	×	×

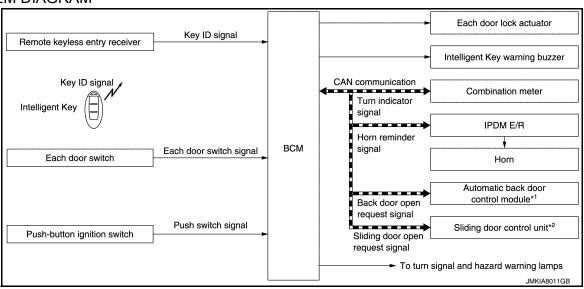
^{*1:}With back door auto closure system

REMOTE KEYLESS ENTRY FUNCTION

REMOTE KEYLESS ENTRY FUNCTION: System Description

INFOID:0000000012408488

SYSTEM DIAGRAM



^{*1:}With automatic back door system

BASIC OPERATION

The Intelligent Key has the same functions as the remote control entry system. Therefore, it can be used in the same manner as the remote controller by operating the door lock/unlock button.

OPERATION

Remote keyless entry system controls operation of the following items.

- Door lock/unlock function
- · Selective unlock function
- · Auto door lock function
- · Hazard and horn reminder function
- Automatic back door open/close function
- Automatic sliding door open/close function

OPERATION AREA

To check that the Intelligent Key works normally, use within 1 m (3 ft) range of each doors, however the operable range may differ according to surroundings.

^{*2:}With automatic back door system

^{*2:}With automatic sliding door system

< SYSTEM DESCRIPTION >

DOOR LOCK/UNLOCK FUNCTION

- When door lock/unlock button of the Intelligent Key is pressed, lock signal or unlock signal transmitted from Intelligent Key to BCM via remote keyless entry receiver.
- BCM receives the signal and compares it with the registered key ID to the vehicle.
- When BCM receives the door lock/unlock signal, it operates all door lock actuators, blinks the hazard lamp (lock: 2 time, unlock: 1 times) and horn chirp signal to IPDM E/R at the same time as a reminder.
- IPDM E/R honks horn (lock: 1 time) as a reminder.

OPERATION CONDITION

If the following condition are satisfied, remote keyless entry operation is performed when the Intelligent Key is operated.

Remote controller operation	Operation condition			
Lock	 Panic alarm is not activated P position warning is not activated 			
Unlock	Panic alarm is not activated			

SELECTIVE UNLOCK FUNCTION

- When an LOCK signal is transmitted from Intelligent Key, all doors are locked.
- When an UNLOCK signal is transmitted from Intelligent Key once, driver side door is unlocked.
- Then, if an UNLOCK signal is transmitted from Intelligent Key again within 60 seconds, all other doors are unlocked. back door open permission is set.
- Only the door, of which back door button of Intelligent Key is pressed, unlock and starts automatic open operation when back door button of Intelligent Key of sliding door is pressed.

How to change selective unlock operation mode.

Selective unlock operation mode can be changed using CONSULT.

Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by Intelligent Key button operation and if 60 seconds or more passes without performing the following operation, all doors are locked. However, operation check function does not activate.

Operating condition	Door switch is ON (door is open)Door is lockedPush switch is pressed
---------------------	--

How to change auto door lock operation mode.

Auto door lock mode can be changed using CONSULT.

Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)".

HAZARD AND HORN REMINDER FUNCTION

When doors are locked or unlocked by Intelligent Key, BCM blinks hazard warning lamps as a reminder and transmits horn chirp signal to IPDM E/R. IPDM E/R sounds horn as a reminder.

The hazard and horn reminder has a horn chirp mode (C mode) and a non-horn chirp mode (S mode).

Operating Function of Hazard and Horn Reminder

	C n	node	Sn	node
Intelligent Key operation	Lock	Unlock	Lock	Unlock
Hazard warning lamp blinks	Twice	Once	Twice	_
Horn sound	Once	_	_	_

Hazard and horn reminder does not operate in the following conditions.

- · Ignition switch position is ON.
- Door is open (only lock operation)

How to Change Hazard and Horn Reminder Mode

(II) With CONSULT

Hazard and horn reminder operation mode can be changed using CONSULT.

Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)".

Without CONSULT

В

D

Е

Н

L

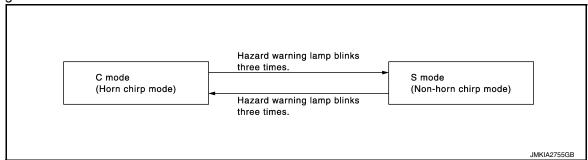
1\

Ν

Г

< SYSTEM DESCRIPTION >

When LOCK and UNLOCK signals are sent from the Intelligent Key for more than 2 seconds at the same time, the hazard and horn reminder mode is changed and hazard warning lamp blinks and horn sounds as per the following items:



AUTOMATIC BACK DOOR OPEN/CLOSE FUNCTION

When back door button of Intelligent Key is pressed, back door open automatically for detailed description, refer to <u>DLK-52</u>, "System Description".

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION

When sliding door button of Intelligent Key is pressed, sliding door open automatically for detailed description, refer to DLK-64, "AUTOMATIC SLIDING DOOR SYSTEM: System Description".

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Function	Intelligent Key	Door switch	Door lock actuator	Push-button ignition switch	CAN communication system	BCM	IPDM E/R	Horn	Combination meter	Hazard warning lamp	Intelligent Key warning buzzer	Automatic back door control module*1	Sliding door control unit *2
Door lock/unlock function	×	×	×			×							
Selective unlock function	×	×	×			×							
Auto door lock function	×	×	×	×		×							
Hazard and horn reminder function					×	×	×	×	×	×	×		
Automatic back door open/close function	×				×	×						×	×
Automatic sliding door open/close function	×				×	×							×

^{*1:}With automatic back door system

KEY REMINDER FUNCTION

^{*2:}With automatic sliding door system

< SYSTEM DESCRIPTION >

KEY REMINDER FUNCTION: System Description

INFOID:0000000012408489

Α

В

D

Е

Н

DLK

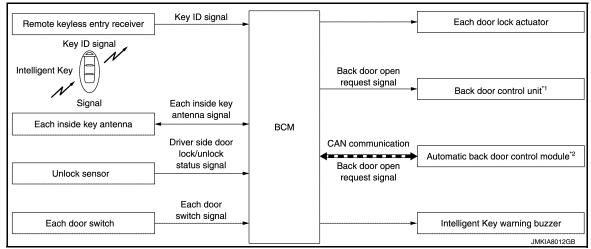
M

Ν

0

P

SYSTEM DIAGRAM



^{*1:}With back door auto closure system

BASIC OPERATION

Key reminder is the function that prevents the key from being left in the vehicle. Key reminder has the following 3 functions.

Key remainder function	Operation condition	Operation
Driver door closed*	Right after driver side door is closed under the following conditions Door lock operation is performed Driver side door is open Driver side door is in unlock state	All doors unlock
Door is open or closed	Right after all doors are closed under the following conditions Intelligent Key is inside the vehicle Any door is open All doors are locked by door lock and unlock switch or door lock knob	All doors unlock Honk Intelligent Key warning buzzer
Back door is closed	Right after back door is closed under the following conditions Intelligent Key is inside vehicle All doors (except for back door) are closed All doors (except for back door) are locked	 All doors unlock Back door can open with back door opener switch Honk Intelligent Key warn- ing buzzer

^{*:} If the door closing impact shocks the door lock knob, or contacts against baggage with the door lock knob might activate the door locks accidentally but unlock operation is perform in these cases.

NOTE:

 The above function operates when the Intelligent Key is inside the vehicle. However, there may be times when the Intelligent Key cannot be detected, and this function does not operate when the Intelligent Key is on the instrument panel, rear parcel shelf, or in the glove box. Also, this system sometimes does not operate if the Intelligent Key is in the door pocket for the open door.

WARNING FUNCTION

WARNING FUNCTION: System Description

INFOID:0000000012408490

OPERATION DESCRIPTION

The warning function are as per the following items and are given to the user as warning information and warnings using combinations of Intelligent Key warning buzzer, combination meter buzzer, KEY warning lamp and information display in combination meter.

- Intelligent Key system malfunction
- · OFF position warning
- P position warning

DLK-47 Revision: October 2015 2016 Quest

^{*2:}With automatic back door system

< SYSTEM DESCRIPTION >

- · ACC warning
- Take away warning
- Door lock operation warning
- Engine start information
- Intelligent Key low battery warning
- Key ID warning
- Key ID verification information

OPERATION CONDITION

Once the following condition from below is established, alert or warning is executed.

Warning/Infor	rmation functions	Operation procedure
Intelligent Key system n	nalfunction	When a malfunction is detected on BCM, "KEY" warning lamp illuminates
OFF position warning	For internal	When condition A, B or condition C is satisfied Condition A Ignition switch: ACC position Door switch (driver side): ON (Door is open) Condition B Turn ignition switch from ON to OFF while door is open Condition C Intelligent Key backside is contacted to ignition switch while brake pedal is depressed and ignition switch is LOCK or OFF (When the Intelligent Key battery is discharged) Door switch (driver side): ON (Door is open)
	For external	OFF position warning (For internal) is in active mode, driver side door is closed NOTE: OFF position (For external) active only when each of the sequence occurs as below: P position warning → ACC warning → OFF position warning (For internal) → OFF position warning (For internal)
D nosition warning	For internal	Shift position: Except P position Engine is running to stopped (Ignition switch is ON to OFF)
P position warning	For external	Warning is activated when driver door is closed from the open position while the P position warning (for inside vehicle) is ON
ACC warning		When P position warning is in active mode, shift position changes P position Ignition switch: ACC position
	Door is open to close	 Ignition switch: Except LOCK position Door switch: ON to OFF (Door is open to close) Intelligent Key cannot be detected inside the vehicle
Take away warning	Door is open	Ignition switch: Except LOCK position Door switch: ON (Door is open) Key ID verification every 5 seconds when registered Intelligent Key cannot be detected inside the vehicle
	Push-button ignition switch operation	Ignition switch: Except LOCK position Press push-button ignition switch Intelligent Key cannot be detected inside the vehicle
Door lock operation war	ning	When door lock operation is requested while door lock operating condition of door request switch or Intelligent Key are not satisfied

Α

В

 D

Е

F

G

Н

DLK

L

Ν

0

Р

< SYSTEM DESCRIPTION >

Warning/Inforr	nation functions	Operation procedure
	Ignition switch is ON position	Ignition switch: ON position Shift position: P position Engine is stopped
Engine start information	Ignition switch is except ON position	 Ignition switch: Except ON position Shift position: P position Intelligent Key is in the passenger room after driver door is opened and closed.
	Ignition switch is ON position to OFF position	Ignition switch: ON position to OFF position Shift position: P position NOTE: Engine start information turns ON for several seconds and then turns OFF, when ignition switch is turned to the ON position from the OFF position. Engine start information does not turn ON until opening and closing of driver door is detected again.
Intelligent Key low batter	y warning	When Intelligent Key is low battery, BCM is detected after ignition switch is turned ON
Key ID warning		When registered Intelligent Key cannot be detected inside the vehicle after ignition switch is turned ON
Key ID verification inform	ation	 When registered Intelligent Key cannot be detected inside the vehicle Intelligent Key battery is discharged When NATS antenna amp cannot be detected NATS ID

WARNING METHOD

The following table shows the alarm or warning methods with chime.

		"KEY"	Information display	Warnir	ng chime
Warning/Inf	ormation functions	warning lamp	Information display (combination meter)	Combination meter buzzer	Intelligent Key warning buzzer
Intelligent Key	system malfunction	Indicate	_	_	_
OFF position	For internal	_	_	Activate	_
warning	For external	_	_	_	Activate
	For internal			Activate	_
P position warning	For external	_	SHIFT JMKIA0037GB	_	Active
ACC warning		_	PUSH JMKIA0047GB	Activate	_
	Door is open to close			Activate	Activate
Take away	Door is open			_	_
Take away warning	Push button-ignition switch operation	_	NO KEY JMKIA0036GB	Activate	_

Revision: October 2015 DLK-49 2016 Quest

< SYSTEM DESCRIPTION >

		"KEY"	Information display	Warnii	ng chime
Warning/Info	ormation functions	warning lamp	Information display (combination meter)	Combination meter buzzer	Intelligent Key warning buzzer
Door lock op- eration warn-	Request switch operation	_	_	_	Activate
ing	Intelligent Key	_	-	_	Activate
Key ID warning	9	_	NO KEY JMKIA0036GB	_	_
Engine start in	formation	_	BRAKE JMKIA0032GB	_	
Intelligent Key	low battery warning	_	JMKIA3049ZZ	_	_
Key ID verifica	tion information	_	JMKIA4907ZZ	_	_

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Warni	ng function	Intelligent Key	Push-button Ignition switch	Door switch	Door request switch	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	Combination meter buzzer	CAN communication system	ВСМ	Information display	"KEY" waming lamp
Intelligent Key system malf	unction									×	×		×
OFF position warning	For internal			×					×	×	×		
Of a position warning	For external			×				×			×		
P position warning			×						×	×	×	×	×
ACC warning			×						×	×	×	×	

< SYSTEM DESCRIPTION >

Warning	g function	Intelligent Key	Push-button Ignition switch	Door switch	Door request switch	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	Combination meter buzzer	CAN communication system	BCM	Information display	"KEY" warning lamp
	Door is open or close	×		×		×		×	×	×	×	×	×
Take away warning	Door is open	×		×		×				×	×	×	×
tane and, narming	Push-button ignition switch operation	×	×			×			×	×	×	×	×
Door lock operation warning		×		×	×	×	×	×			×		
Key ID warning			×			×				×	×	×	×
	Ignition switch is ON position	×	×			×				×	×	×	
Engine start information	Ignition switch is except ON position	×	×			×				×	×	×	
Intelligent Key low battery wa	arning	×				×				×	×	×	×
Key ID verification informatio	n	×				×				×	×	×	

DLK

Α

В

С

D

Е

F

Н

L

 \mathbb{N}

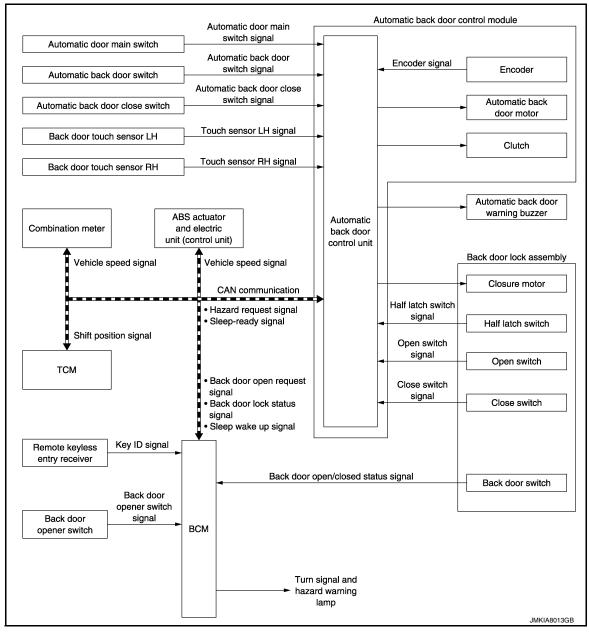
Ν

0

System Description

INFOID:0000000012408491

SYSTEM DIAGRAM



BASIC OPRATION

The automatic back door system performs the automatic open/close operation of the back door by operating the automatic back door switch, the automatic back door close switch, the back door opener switch, and Intelligent Key.

AUTOMATIC BACK DOOR OPEN/CLOSE FUNCTION

- In the case of the back door fully closed, operate the automatic back door switch, Intelligent Key or back door opener switch with the back door unlock. The back door closure motor releases the latch, then the automatic back door motor opens the back door to the fully open position. Reverse the closure motor to the neutral position simultaneously.
- In the case of the back door fully open, operate the automatic back door switch, Intelligent Key or automatic
 back door close switch. The automatic back door motor closes the back door to the half-latch position, then
 the back door closure motor to the full latch position. Then, reverse the closure motor to the neutral position.

< SYSTEM DESCRIPTION >

BACK DOOR AUTO CLOSURE FUNCTION

Open Function

When back door opener switch is pressed and automatic door main switch in the OFF position, BCM transmits the back door open request signal to automatic back door control module via CAN communication, and automatic back door control module opens back door lock assembly.

Closure Function

When the back door is closed to the half-latch position, the motor drives to rotate the latch lever and pulls it in from half latched to fully latched and automatically closes the door. Then, reverse the closure motor to the neutral position.

WARNING FUNCTION

The warning function is as follows and gives the user warning information and warnings using automatic back door buzzer and hazard.

Buzzer Operation Condition

	Pattern	Time	Description
			Operation start announcement
Α	ON 200ms OFF JMKIA1862ZZ	0.75 sec.	Anti-pinch operation start announcement
В	Pi	2.0 sec.	During the closure operation, the touch sensor detects any trapped foreign material and stops halfway
С	Pi	Back door fully closed or vehi- cle is stopped	The conditions are not satisfied in the fully open position or during the operation, and then the operation continues
D	250ms 750ms ON JMKIA1863ZZ	During open/close operation	During operation announcement

ANTI-PINCH FUNCTION

During auto operation, if an object is detected by encoder pulse in the door's path, a warning chime sounds and the back door operates in the reverse direction to prevent pinching.

During auto close operation, if an object is detected by the touch sensors in the door's path, a warning chime sounds and the back door operates in the open direction until it is fully open.

Operation Condition

Detection method		Encoder pulse	Touch sensor
Applicable operation	า	Open/close operation	Close operation
Operation when	Stop the vehicle	Buzzer sounds (pattern A) and reverse operation	Buzzer sounds (pattern A) and the back door stops in the fully-open position after reverse operation During closure (close) operation (at main switch OFF): Closure [open (neutral position return)] operation
any trapped for- eign material is de- tected	Running the vehicle	No reverse operation (buzzer sounds, pattern C)	 The back door reverses a certain amount, and then it reverses automatically to perform the auto close operation During closure (close) operation (at main switch ON): Closure (open) operation

Revision: October 2015 DLK-53 2016 Quest

DLK

Α

В

D

Е

Н

N /I

Ν

0

< SYSTEM DESCRIPTION >

Detection method	Encoder pulse	Touch sensor
Non-reverse area	Just after starting the motor operation Full range of closure operation Driving	Back door open operation Closure [open (return the latch to the neutral position)]
Switch operation during reverse operation	Receive	
Number of allowable reverse operations	Perform the intermittent clutch ation direction	n function after 2 reverse operations regardless of the oper-

INTERMITTENT CLUTCH FUNCTION

If the main switch is turned to OFF during auto operation, the back door may be closed suddenly because the operation is interrupted immediately when the operation cannot be continued because of the detection of a system malfunction. Therefore, operate the clutch intermittently to stabilize the back door behavior and ensure safety.

AUTOMATIC BACK DOOR OPEN/CLOSE OPERATION CONDITION

	Automa	atic back doo	or switch	Intellig	ent Key	Automat- ic back door close switch		or opener itch
Operating direction	Fully close	ed → Open	Fully open →Closed	Fully closed → Open	Fully open → Closed	Fully open → Closed	Fully close	ed → Open
Main switch	_	_	_	_	_	ON	C	N
Ignition position	ON	ACC/ LOCK	_	-	_	_	ON	ACC/ LOCK
Shift selector lever	P position	_	_	_	_	_	P position	_
Vehicle speed				0 k	m/h			
Back door lock condition	_	_	_	_	_	_	Unl	ock*
Touch sensor				No	rmal		<u> </u>	
Power supply (Automatic power back door control unit)				Approx. 1	I V or more			

^{*:} If the registered Intelligent Key is used, the operation can be performed even if the back door is in the LOCK position

CONTROL IF NOT WITHIN THE OPERATION CONDITIONS DURING THE OPERATION

If the back door is not within the operation conditions during the operation, the automatic back door control unit performs the control as follows.

Item (Condition)	Back door condition
Main Switch (ON \rightarrow OFF)	Motor: OFF Clutch: OFF (Intermittent clutch function)
Vehicle stop condition (open operation) IGN ON and shift P position→IGN ON and other than P position IGN OFF and shift N position → IGN ON and N position	The operation is continued
Operation condition release during the operation start announcement condition	Automatic back door function does not operate

< SYSTEM DESCRIPTION >

Item (Condition)		Back door condition	
Vehicle speed (0 km/h → More than 0 km/h)	Open operation	Operation stop and intermittent clutch function [Back door fully closed or buzzer sounds until the vehicle stops (pattern C)]	
(O KIIVII -> Mole tilali O KIIVII)	Close operation	The operation is continued [buzzer sounds (pattern C) until back door fully closed]	
	Open operation	The operation is continued (If the pinch is detected after that, the system switches to the intermittent clutch function)	
Touch sensor	Close operation	Intermittent clutch function	
Normal → Open)	Closure (close) operation	Closure (open) operation and buzzer sounds (pattern B)	
	Closure [open (return the latch to the neutral position)] operation		
Operation time (More than approx. 30 sec.)	Intermittent clutch funct	ion	
	Open/close operation	The operation is continued	
Back door opener switch	Closure (close) operation	Closure (open) operation and back door open	
$(OFF \to ON)$	Closure [open (return the latch to the neutral position)] operation	Back door open	
Malfunction detected (IGN circuit, half latch switch and back door state)	Intermittent clutch funct	ion	

TIME CHART FOR AUTOMATIC POWER BACK DOOR SYSTEM

Fully Closed to Fully Open Operation

When operating the automatic back door switch, automatic back door opener switch and Intelligent Key in the fully closed position, the system operates as follows.

DLK

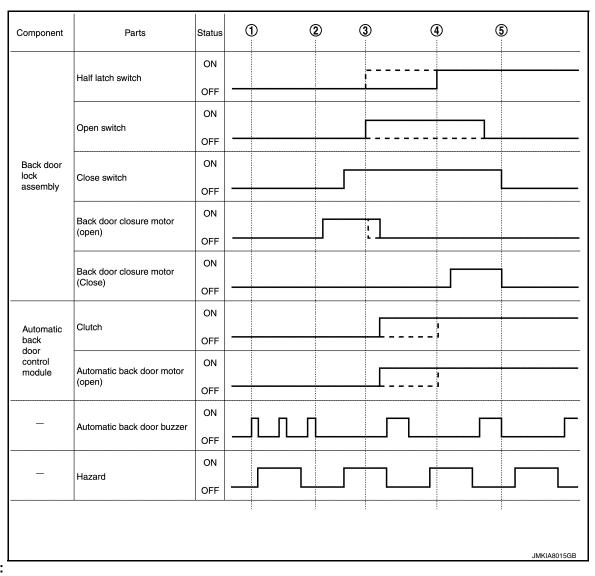
J

JLIN

IV

Ν

0



NOTE

Output sequence for half latch switch, open switch, and close switch may vary depending on reaction force difference of back door weather-strip. When reaction force of back door weather-strip is strong, refer to a broken line in the chart.

When reaction force of back door weather-strip is not strong

- 1. Buzzer and hazard lamp operate after condition are satisfied.
- 2. After buzzer operation (pattern A), back door closure motor starts the open operation.
- 3. When the latch is released and reaction force of weather-strip is not strong, half latch switch does not turn ON, and back door closure motor stops the open operation when open switch turns ON. After this operation, automatic back door motor and magnet clutch operate, and then back door starts the open operation.
- 4. When door is lifted up, half latch switch turns ON, and then back door closure motor operates the reverse operation and starts returning to the neutral position.
- 5. When close switch turns OFF, back door closure motor stops the reverse operation and then completes returning to the neutral position.

When reaction force of back door weather-strip is strong

- 1. Buzzer and hazard lamp operate after condition are satisfied.
- After buzzer operation (pattern A), back door closure motor starts the open operation.
- 3. When the latch is released, half latch switch turns ON, and then back door closure motor stops the open operation
- 4. When automatic back door motor and clutch operate and back door starts the open operation, back door closure motor operates the reverse operation and starts returning to the neutral operation.
- 5. When close switch turns OFF, back door closure motor stops the reverse operation and then completes returning to the neutral position.

< SYSTEM DESCRIPTION >

Fully Open to Fully Closed Operation

When operating the automatic back door switch, automatic back door close switch and Intelligent Key, the automatic back door system operates as follows.

Component	Parts	Status	1	2		3	(1)	⑤	
Back door lock	Half latch switch	ON			_(_					
		OFF								
	Open switch	ON				Г				
		OFF								
	Close switch	ON))				ı	
assembly		OFF								
	Back door closure motor (open)	ON								
		OFF								
	Back door closure motor (Close)	ON			((<u> </u>		
		OFF						L		
Automatic	Clutch	ON			_((
back door control module		OFF								
	Automatic back door m (close)	ON otor								
		OFF					<u> </u>			
_	Automatic back door bu	ON zzer OFF								
_	Hazard	ON OFF								
		0,,								
										JMKIA8014GB

- 1. Operates the buzzer and hazard after the operation enable conditions are established
- 2. After the buzzer (pattern A) stops sounding, operates the automatic back door motor and clutch to perform the back door close operation
- The back door closure motor performs the close operation after 300 msec. or more from turning the half latch switch to OFF
- 4. The back door closure motor performs the open operation after turning the close switch to ON
- Stop the back door closure motor open operation and return the latch to the neutral position after turning the close switch to OFF

В

С

D

Е

F

G

Н

1

DLK

L

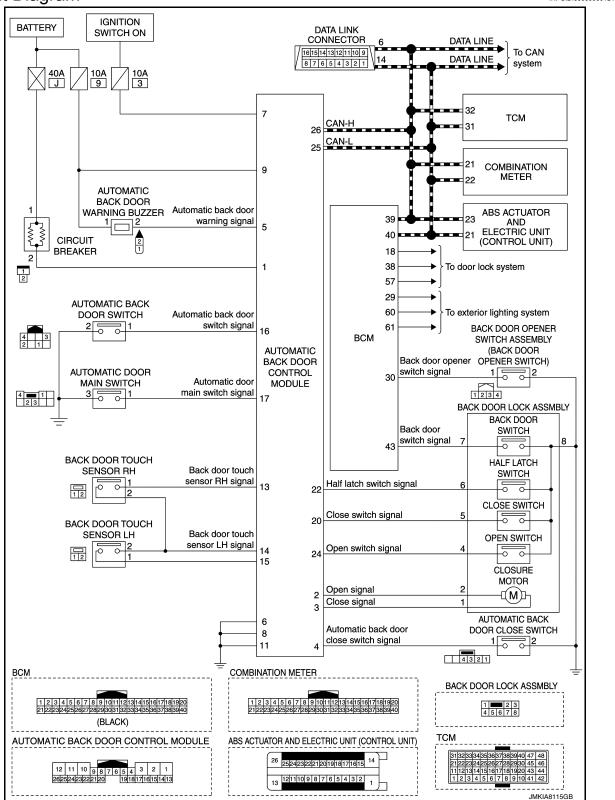
M

Ν

0

Ρ

Circuit Diagram



< SYSTEM DESCRIPTION >

Fail Safe

Display contents of CONSULT	Fail-safe	Cancellation
B2401 IGN OPEN	Intermittent clutch function	All following condition are satisfied Power supply condition of automatic back door control unit: OFF BCM receive ignition position signal (OFF) via CAN
B2403 PULSE ENCODER	Inhibit automatic back door operation	When receiving the pulse from encoders A and B normally (5 pulses)
B2409 HALF LATCH SW	Intermittent clutch function	Half latch switch is ON from OFF
B2416 TOUCH SEN R OPEN	During close operation: Intermittent clutch function	Normal return
B2417 TOUCH SEN L OPEN	During close operation: Intermittent clutch function	Normal return
B2419 OPEN SW	Inhibit automatic back door operation	Erase DTC, reconnect battery
B2420 CLOSE SW	Inhibit automatic back door operation	Erase DTC, reconnect battery
B2421 CLUTCH TIME OUT	Intermittent clutch function	Reception of next operation request
B2422 BACK DOOR STATE	Intermittent clutch function	Detect back door fully closed position
B2423 ABD MTR TIME OUT	Intermittent clutch function	Reception of next operation request
B2424 CLSR CONDITION	Inhibit automatic back door operation	Normal return or reconnect battery

DLK

J

Α

В

С

 D

Е

F

G

Н

L

 \mathbb{N}

Ν

0

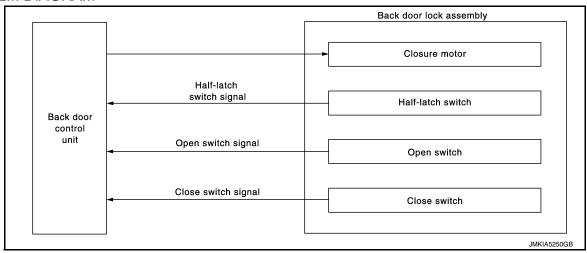
< SYSTEM DESCRIPTION >

SYSTEM (BACK DOOR AUTO CLOSURE SYSTEM) CLOSURE FUNCTION

CLOSURE FUNCTION: System Description

INFOID:0000000012408494

SYSTEM DIAGRAM

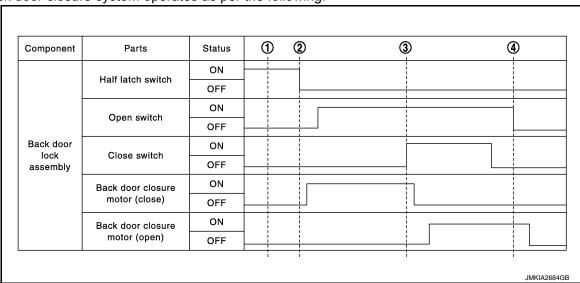


AUTO CLOSURE OPERATION

When back door is closed to the half-latch position, closure motor operates to rotate the latch lever from the half latched to fully latched position and automatically closes back door. Then, closure motor reverses to the neutral position.

From fully Open to Fully Closed Operation

The back door closure system operates as per the following.



- 1. Back door is fully open.
- Back door closure motor starts the close operation after turning half latch switch OFF.
- Back door closure motor stops the close operation and starts the neutral operation after turning close switch ON.
- Back door closure motor stops the open operation and returns the latch to the neutral position after turning open switch OFF.

OPEN FUNCTION

< SYSTEM DESCRIPTION >

OPEN FUNCTION: System Description

INFOID:0000000012408495

Α

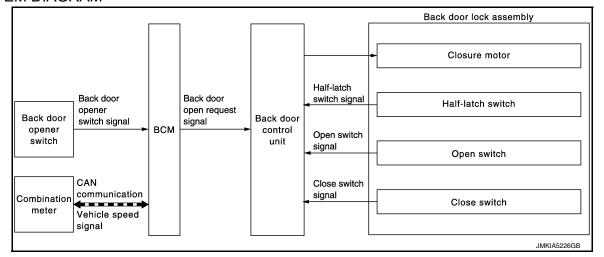
В

D

Е

Н

SYSTEM DIAGRAM



OPEN OPERATION

- When the back door opener switch operation signal is input into back door control unit from BCM, back door is opened by the closure motor open operation.
- When back door opener switch is pressed, BCM transmits the back door open request signal to back door control unit and back door control unit opens back door.
- The operation to open back door with Intelligent Key is the same as the Intelligent Key system. Refer to DLK-42, "BACK DOOR OPEN FUNCTION: System Description"

Operation Condition

If the following conditions are satisfied, the back door opener operation is performed.

Back door opener switch operation	Operation condition
Back door open	 When back door is unlocked using back door request switch (selective unlock mode), or after BCM outputs all doors unlock signal Vehicle speed is less than 5 km/h (3 MPH)

NOTE:

- When battery terminal is disconnected and reconnected during all doors unlock state, back door may not open.
- Regardless of door lock actuator state, BCM resets recognition of all doors unlock state approximately 30 seconds after battery terminal is disconnected and BCM recognizes that all doors are in lock state.
- When battery terminal is reconnected and back door does not open, have BCM recognize that all doors are in unlock state.

From Fully Closed To Fully Open Operation

DLK

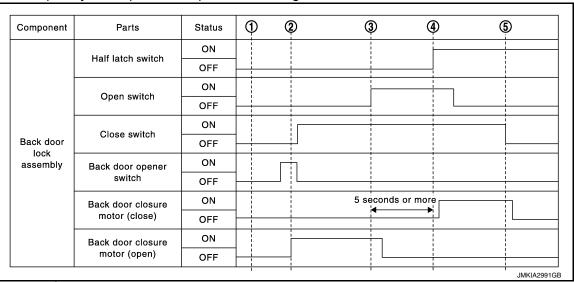
L

M

Ν

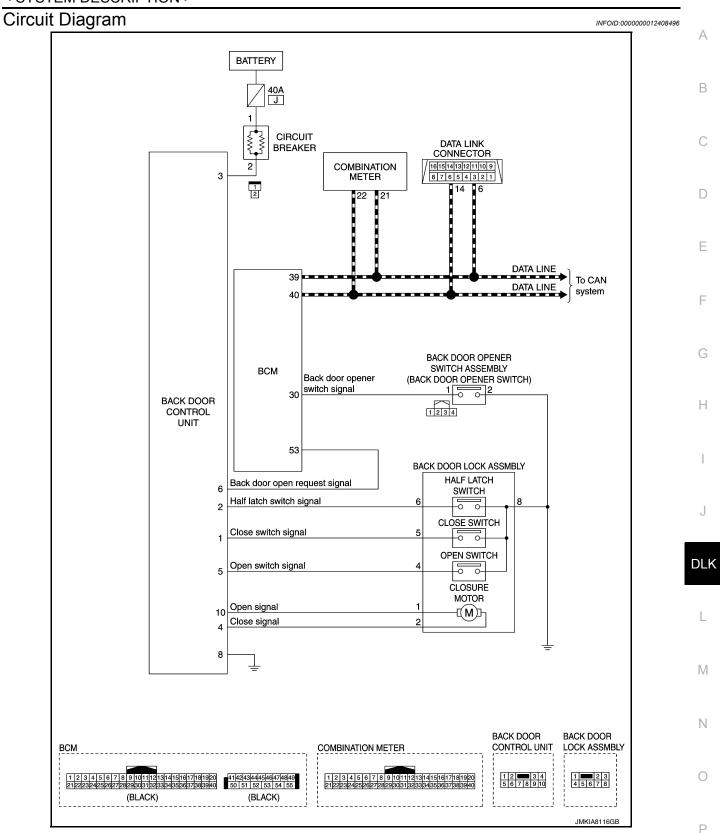
< SYSTEM DESCRIPTION >

The back door open system operates as per the following.



- 1. Back door is fully closed.
- 2. Back door closure motor starts the open operation after turning back door opener switch ON.
- 3. Back door closure motor stops the open operation after turning open switch ON.
- 4. Back door closure motor starts the close operation after turning half latch switch ON.
- 5. Back door closure motor stops the close operation and returns the latch to the neutral position after turning close switch OFF.

< SYSTEM DESCRIPTION >



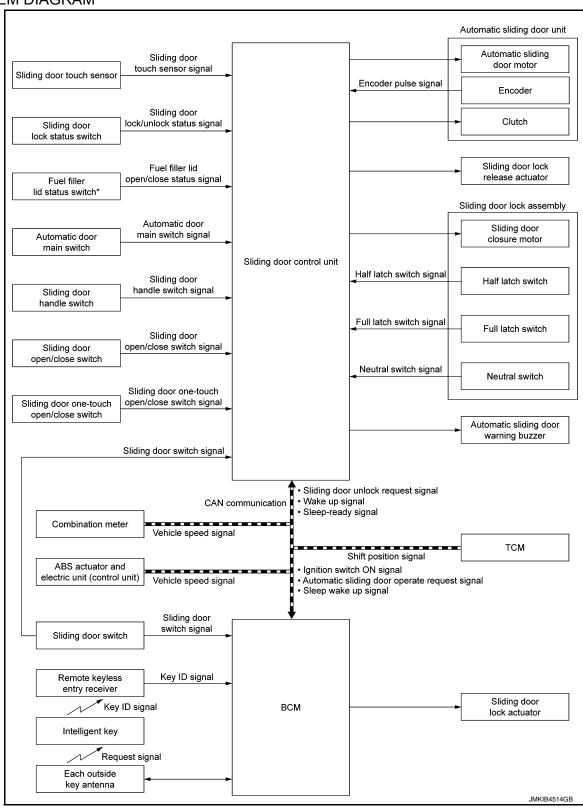
< SYSTEM DESCRIPTION >

SYSTEM (AUTOMATIC SLIDING DOOR SYSTEM) AUTOMATIC SLIDING DOOR SYSTEM

AUTOMATIC SLIDING DOOR SYSTEM: System Description

INFOID:0000000012408497

SYSTEM DIAGRAM



^{*:} For automatic sliding door LH

Automatic sliding door system controls auto open/close operation of sliding door LH and sliding door RH.

< SYSTEM DESCRIPTION >

• Sliding door control unit controls each function of automatic sliding door system.

Function	Description	Refer
Auto open/close	Sliding door is automatically opened or closed according to operation of sliding door handle, sliding door open/close switch, sliding door one-touch open/close switch, and Intelligent Key	DLK-70
One-touch unlock	By carrying Intelligent Key, sliding door is unlocked and auto- matically opened according to operation of sliding door one- touch open/close switch, even when sliding door is in fully closed and locked status	<u>DLK-75</u>
Unlock-linked opening	Sliding door is unlocked and automatically opened according to operation of sliding door open/close switch (front side) or Intelligent Key button, even when sliding door is in fully closed and locked status	<u>DLK-77</u>
Power assist	Sliding door is automatically opened or closed according to direction of sliding door movement, when sliding door is manually opened or closed	DLK-79
Sliding door auto closure	Sliding door closure motor operates and sliding door is automatically retracted and closed to fully closed status, when sliding door is in half latch status	DLK-81
Hold	During vehicle driving, if sliding door is in open status because of incorrect operation or any other cause, sliding door control unit continuously keeps clutch to the ON position and holds the position of sliding door so that it does not open further	<u>DLK-83</u>
Anti-pinch	During sliding door auto open/close operation, if pinching of for- eign materials is detected, sliding door control unit operates slid- ing door in the reverse direction	DLK-85
Intermittent clutch	During sliding door auto open/close operation, if system mal- function is detected, sliding door control unit operates clutch in- termittently to the ON/OFF position and prevents sliding door from opening or closing suddenly, so that safety can be ensured	<u>DLK-87</u>
Automatic sliding door warning buzzer sounds so that user i formed of operation start when sliding door auto open/close eration starts to operate		DLK-88

DLK

J

Α

В

С

 D

Е

F

G

Н

L

M

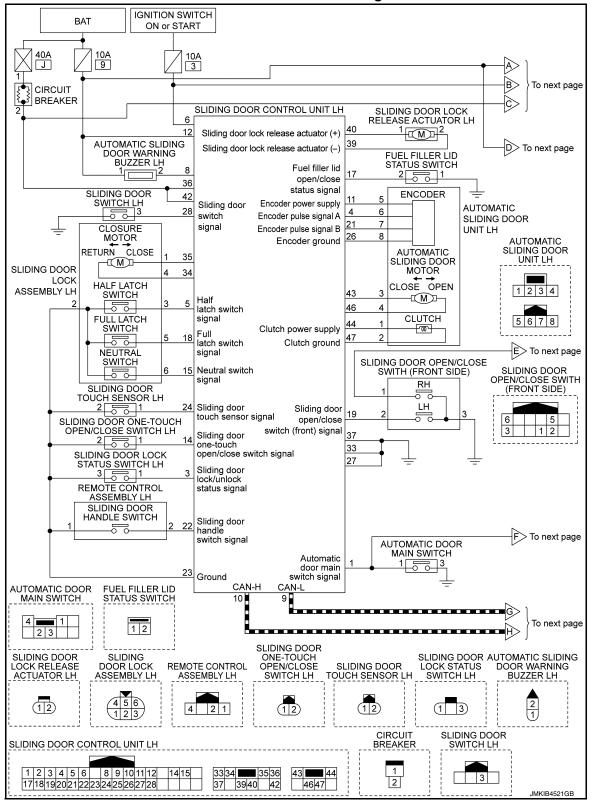
Ν

0

< SYSTEM DESCRIPTION >

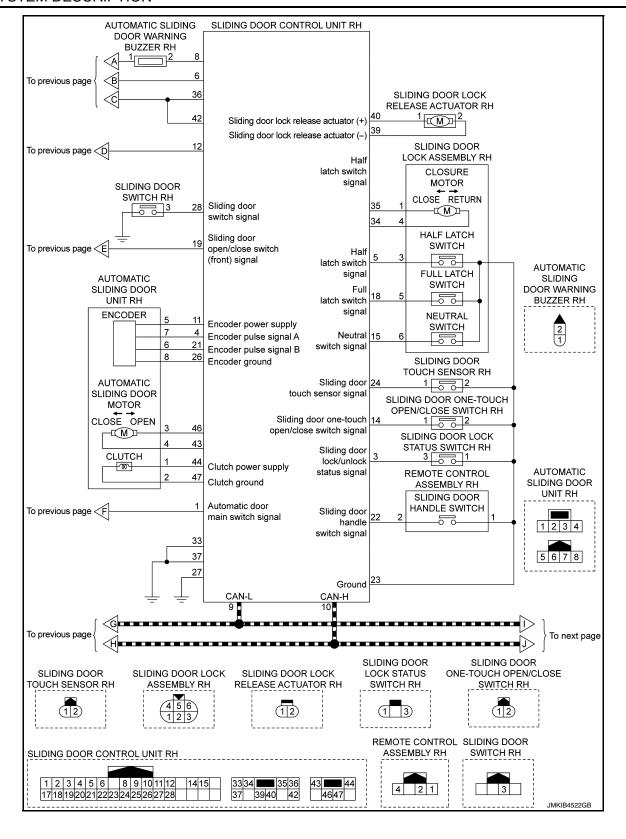
AUTOMATIC SLIDING DOOR SYSTEM: Circuit Diagram

INFOID:0000000012408498



< SYSTEM DESCRIPTION >

Revision: October 2015



2016 Quest

Α

В

D

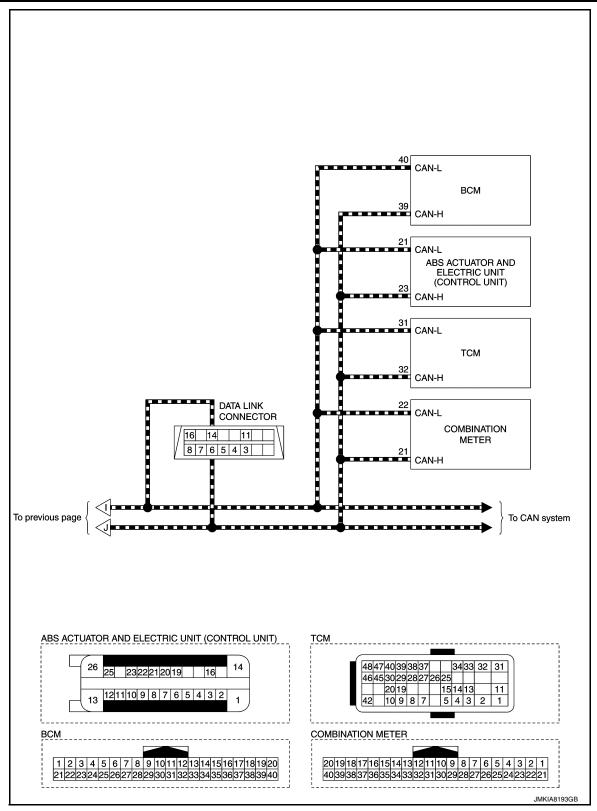
Е

Н

DLK

M

Ν



AUTOMATIC SLIDING DOOR SYSTEM: Fail-safe

INFOID:0000000012408499

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1		
U1010: CAN COMM CIRCUIT		Return to normal status*2		
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication 		
B2402: TOUCH SENSOR OPEN		Return to normal status		
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position		
B2405: ECU FAIL		Erase DTC*2		
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position		
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position		
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position		
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position		
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position		

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

AUTO OPEN/CLOSE FUNCTION

M

Α

В

 D

Е

F

Н

J

DLK

Ν

0

Р

Revision: October 2015 DLK-69 2016 Quest

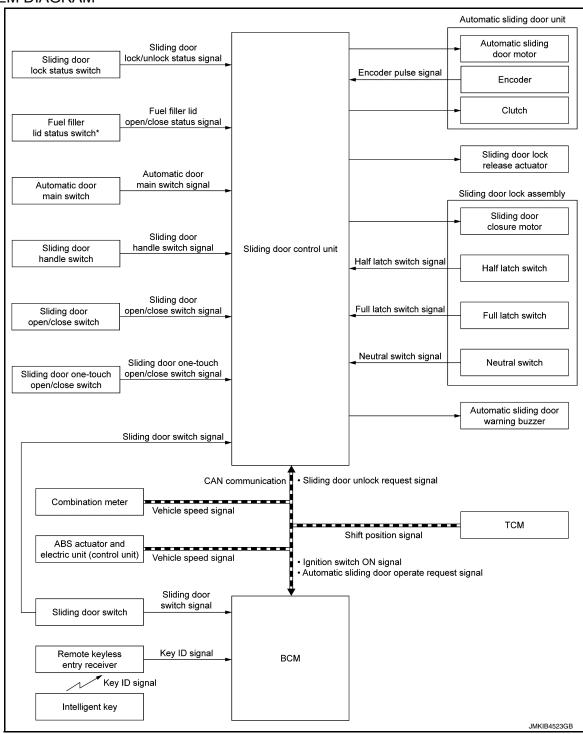
^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

AUTO OPEN/CLOSE FUNCTION: System Description

INFOID:0000000012408500

SYSTEM DIAGRAM



^{*:} For automatic sliding door LH

Auto open/close function operates auto open/close of sliding door according to operation of sliding door handle, sliding door open/close switch, sliding door one-touch open/close switch, and Intelligent Key.

AUTO OPEN/CLOSE FUNCTION (OPEN OPERATION)

Sliding Door Handle Operation

 When sliding door handle is operated, sliding door handle switch, half latch switch, and full latch switch turn ON. Sliding door control unit sounds automatic sliding door warning buzzer as a reminder.

NOTE:

The function may not be operated unless sliding door handle is pulled continuously.

< SYSTEM DESCRIPTION >

- Sliding door control unit operates sliding door lock release actuator, and then operates automatic sliding door motor to move sliding door to the fully open position.
- When sliding door handle is operated again during auto open operation, sliding door control unit stops auto open operation and operates sliding door in reverse direction to the fully closed position.
- When child lock is in the lock status, auto open function does not operate even when sliding door inside handle is operated.

Sliding Door Open/close Switch and Sliding Door One-touch Open/close Switch Operation

- When sliding door open/close switch or sliding door one-touch open/close switch is operated, sliding door control unit sounds automatic sliding door warning buzzer as a reminder.
- Sliding door control unit operates clutch and sliding door lock release actuator, and it releases sliding door latch (only when sliding door is fully closed).
- Sliding door control unit detects half latch switch signal and full latch switch signal. When judging that sliding
 door latch is released, sliding door control unit operates automatic sliding door motor and it moves sliding
 door to the fully open position.
- When switch is operated again during auto open operation, sliding door control unit stops auto open operation and operates sliding door in reverse direction to the fully closed position.

Intelligent Key Button Operation

- When sliding door open button of Intelligent Key is operated, BCM transmits automatic sliding door operate
 request signal to sliding door control unit via CAN communication.
- When automatic sliding door operate request signal is received from BCM, sliding door control unit sounds automatic sliding door warning buzzer as a reminder.
- Sliding door control unit operates clutch and sliding door lock release actuator, and it releases sliding door latch. (Only when sliding door is fully closed.)
- Sliding door control unit detects half latch switch signal and full latch switch signal. When judging that sliding
 door latch is released, sliding door control unit operates automatic sliding door motor and it moves sliding
 door to the fully open position.
- When Intelligent Key button is operated again during auto open operation, sliding door control unit stops auto open operation and operates sliding door in reverse direction to the fully closed position.

OPERATION CONDITION

The auto open operation is performed, when the following conditions are satisfied.

Operation	Operation condition		
	Vehicle speed: 0 km/h		
	Battery voltage: 11 V or more		
	Fuel filler lid: Closed status (Operation condition for sliding door LH)		
Sliding door open/close switch (front side)	Shift position: P position*		
	Sliding door: Not fully opened		
	Sliding door: Unlocked while fully closed		
	Vehicle security system: Not set		
	Vehicle speed: 0 km/h		
	Battery voltage: 11 V or more		
Intallinant Man	Fuel filler lid: Closed status (Operation condition for sliding door LH)		
Intelligent Key	Shift position: P position*		
	Sliding door: Not fully opened		
	Sliding door: Unlocked while fully closed		

אום

Α

В

D

ı

M

Ν

0

Ρ

< SYSTEM DESCRIPTION >

Operation	Operation condition
	Automatic door main switch: ON
	Vehicle speed: 0 km/h
	Battery voltage: 11 V or more
	Fuel filler lid: Closed status (Operation condition for sliding door LH)
Sliding door handle	Shift position: P position*
	Sliding door: Not fully opened
	Sliding door: Unlocked while fully closed
	Child lock: Unlocked (Sliding door inside handle only)
	Vehicle security system: Not set
	Automatic door main switch: ON
	Vehicle speed: 0 km/h
	Battery voltage: 11 V or more
Sliding door one-touch open/close switch	Fuel filler lid: Closed status (Operation condition for sliding door LH)
	Shift position: P position*
	Sliding door: Not fully opened
	Sliding door: Unlocked while fully closed

^{*:} Only when ignition switch is in the ON position.

AUTO OPEN/CLOSE FUNCTION (CLOSE OPERATION)

Sliding door control unit sounds automatic sliding door warning buzzer as a reminder, when operation of sliding door handle, sliding door open/close switch, sliding door one-touch open/close switch, or Intelligent Key button is detected while sliding door is in the fully open status.
 NOTE:

The function may not be operated unless sliding door handle is pulled continuously.

- Sliding door control unit operates clutch and sliding door lock release actuator and it performs latch release operation, so that sliding door control unit can judge whether sliding door latch is in released status.
- Sliding door control unit operates automatic sliding door motor and moves sliding door to half latch status, when sliding door control unit judges sliding door handle switch ON status and latch release status according to operation of sliding door release actuator.
- Sliding door control unit detects half latch status according to half latch switch. Sliding door control unit operates sliding door auto closure function and closes sliding door to the fully closed position.
- When sliding door handle, each switch, or Intelligent Key button is operated again during auto close operation, sliding door control unit stops auto close operation and operates sliding door in reverse direction to the fully open position.

OPERATION CONDITION

The auto close operation is performed, when the following conditions are satisfied.

- Automatic door main switch: ON*1
- · Battery voltage: 11 V or more
- Fuel filler lid: Closed status*2
- Sliding door: Fully open
- *1: Except operation of sliding door open/close switch (front side) and Intelligent Key button.

CONTROL WHEN OPERATION CONDITION IS NOT SATISFIED

Sliding door is controlled as described in the following table, when operation condition becomes invalid during automatic operation.

Condition	Operation		
Automatic door main switch: Turned to the OFF position	One-way operation is continued		
Shift position: P position → Other than P position	One-way operation is continued		

^{*2:} When sliding door LH is operated.

< SYSTEM DESCRIPTION >

Condition	Operation
Vehicle speed: 0 km/h more during auto open operation	 Automatic sliding door warning buzzer sounds continuously and hold function is activated When the vehicle stops, automatic sliding door warning buzzer operation stops, intermittent clutch function operates, and sliding door enters into manual mode
Low battery voltage: 11 – 9 V	One-way operation is continued
Low battery voltage: 9 – 5 V for 2.1 seconds or more (Traction force lower limit – clutch force assurance)	Automatic sliding door motor stops, and then intermittent clutch function operate
Low battery voltage: 5 – 4 V (Control unit reset voltage – clutch hold voltage)	 Automatic sliding door motor stops (Clutch ON) → sliding door stops continuously and stays restricted (Clutch ON in circuit) Control is impossible because control unit is reset
Low battery voltage: 4 – 0 V	Sliding door stops continuously and stays restricted (Clutch ON in circuit) Sliding door position cannot be held when the vehicle is on a slope, because clutch force is not sufficient
Fuel filler lid: Open	Intermittent clutch function operates. Sliding door enters into manual mode (Sliding door returns to electric mode when fuel filler lid is closed)

AUTO OPEN/CLOSE FUNCTION: Fail-safe

INFOID:0000000012408501

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

DLK

J

Α

В

 D

Е

F

Н

Ν

0

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page ^{*1}
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

ONE-TOUCH UNLOCK FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

ONE-TOUCH UNLOCK FUNCTION: System Description

INFOID:0000000012408502

Α

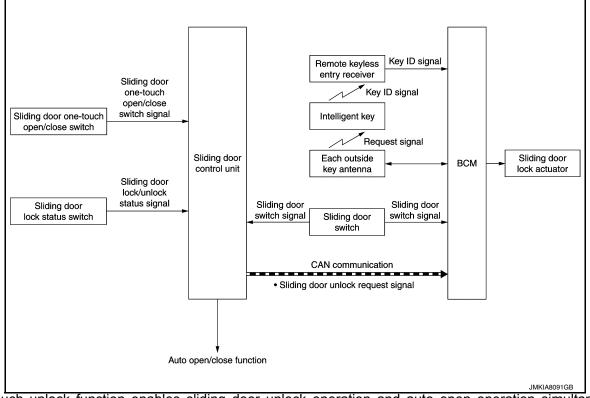
В

D

Е

Н

SYSTEM DIAGRAM



One-touch unlock function enables sliding door unlock operation and auto open operation simultaneously when sliding door one-touch open/close switch is operated while carrying Intelligent Key, even when sliding door is in fully closed and locked status.

OPERATION DESCRIPTION

- Sliding door control unit checks sliding door lock status according to sliding door lock status switch, when sliding door one-touch open/ close switch operation is detected.
- Sliding door control unit transmits sliding door unlock request signal to BCM via CAN communication, when sliding door is locked.
- When sliding door unlock request signal is received, BCM activates outside key antenna, transmits request signal to Intelligent Key, and then checks that Intelligent Key is located near the door.
- Intelligent Key, when it is within outside key antenna detection area (within activation range), transmits key ID signal to BCM via remote keyless entry receiver.
- BCM receives key ID signal and verifies the received key ID with the registered key ID to the vehicle.
- When selective unlock function is in ON status and key ID verification is successful, BCM operates sliding door lock actuator and unlocks sliding door.
- When selective unlock function is in OFF status and key ID verification is successful, BCM operates each door lock actuator and unlocks all doors.
- Sliding door control unit starts auto open operation when sliding door unlocked status is detected according to sliding door lock status switch.

OPERATION CONDITION

If the following conditions are satisfied, the one-touch unlock function is performed.

- Automatic door main switch: ON
- · Vehicle speed: 0 km/h
- · Battery voltage: 11V or more
- Fuel filler lid: Closed status^{*1}
- Sliding door: Fully closed status
- Sliding door lock status switch: OFF (Sliding door locked status)
- Shift position: P position *2
- *1:When sliding door LH is operated
- *2:Only when ignition switch is in the ON position

DLK

J

M

. . .

Ν

Р

Revision: October 2015 DLK-75 2016 Quest

< SYSTEM DESCRIPTION >

ONE-TOUCH UNLOCK FUNCTION: Fail-safe

INFOID:0000000012408503

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

UNLOCK-LINKED OPENING FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

UNLOCK-LINKED OPENING FUNCTION : System Description

INFOID:0000000012408504

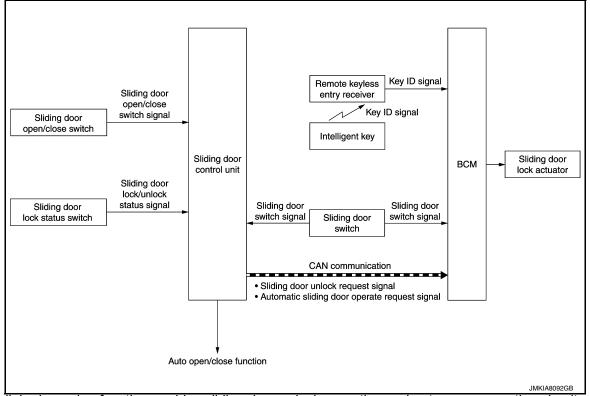
Α

D

Е

Н

SYSTEM DIAGRAM



Unlock-linked opening function enables sliding door unlock operation and auto open operation simultaneously when sliding door open/close switch (front side) or Intelligent Key button is operated, even when sliding door is in fully closed and locked status.

OPERATION DESCRIPTION

Sliding Door Open/close Switch (Front Side) Operation

- Sliding door control unit checks sliding door lock status according to sliding door lock status switch, when sliding door open/close switch (front side) operation is detected.
- Sliding door control unit transmits sliding door unlock request signal to BCM via CAN communication, when sliding door is unlocked.
- BCM operates sliding door lock actuator and unlocks sliding door, when sliding door unlock request signal is received.
- Sliding door control unit starts auto open operation when sliding door lock status is detected according to sliding door lock status switch.

Intelligent Key Operation

- BCM transmits automatic sliding door operate request signal to sliding door control unit via CAN communication, when operation of Intelligent Key button id detected.
- Sliding door control unit checks sliding door lock status according to sliding door lock status switch, when automatic sliding door operate request signal is detected.
- Sliding door control unit transmits sliding door unlock request signal to BCM via CAN communication, when sliding door is locked.
- When selective unlock function is in ON status and sliding door unlock request signal is received, BCM operates sliding door lock actuator and unlocks sliding door.
- When selective unlock function is in OFF status and sliding door unlock request signal is received, BCM operates each door lock actuator and unlocks all doors.
- Sliding door control unit starts auto open operation when sliding door unlocked status is detected according to sliding door lock status switch.

OPERATION CONDITION

If the following conditions are satisfied, the unlock-linked opening function is performed.

· Vehicle speed: 0 km/h

DLK

M

Ν

0

Ρ

< SYSTEM DESCRIPTION >

- Battery voltage: 11 V or more
- Fuel filler lid: Closed status*1
- · Sliding door: Fully closed status
- Sliding door lock status switch: OFF (Sliding door locked status)
- Shift position: P position*2
- *1: When sliding door LH is operated
- *2: Only when ignition switch is in the ON position

UNLOCK-LINKED OPENING FUNCTION: Fail-safe

INFOID:0000000012408505

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

POWER ASSIST FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

POWER ASSIST FUNCTION: System Description

INFOID:0000000012408506

Α

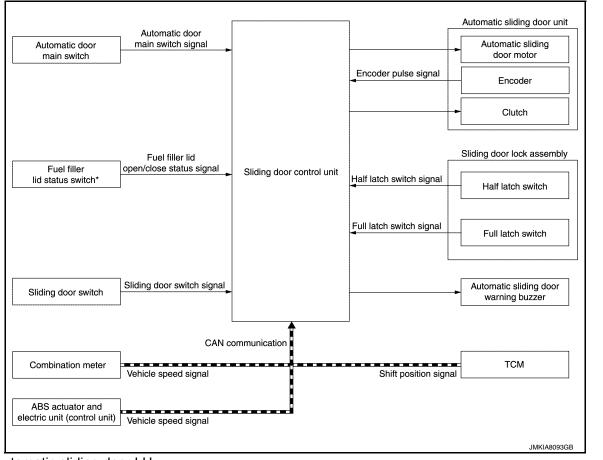
В

D

Е

Н

SYSTEM DIAGRAM



*: For automatic sliding door LH

Power assist function automatically opens or closes sliding door to fully open/closed position, when sliding door is pressed manually without operating each switch or sliding door handle, while sliding door is in half open stop status or fully open stop status.

OPERATION DESCRIPTION

Sliding door control unit sounds automatic sliding door warning buzzer, activates automatic sliding door motor, and automatically opens or closes to the fully open/close position, when encoder pulse signal is detected from encoder.

OPERATION CONDITION

If the following conditions are satisfied, the power assist function is performed.

- · Automatic door main switch: ON
- Vehicle speed: 0 km/h (auto close operation only)
- Fuel filler lid: Closed status^{*1}
- Shift position: P position*2
- Sliding door position: Halfway position
- Sliding door status: Stop status
- *1: When sliding door LH is operated.
- *2: Only when ignition switch is in the ON position.

POWER ASSIST FUNCTION: Fail-safe

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

DLK

L

M

N

INFOID:0000000012408507

Revision: October 2015 DLK-79 2016 Quest

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

SLIDING DOOR AUTO CLOSURE FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

SLIDING DOOR AUTO CLOSURE FUNCTION: System Description

INFOID:0000000012408508

Α

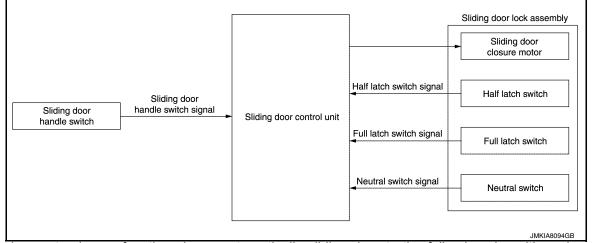
В

D

Е

Н

SYSTEM DIAGRAM



Sliding door auto closure function closes automatically sliding door to the fully closed position when sliding door is in half latch status (lock and striker are in engage status). Sliding door auto closure function is operative, even when automatic door main switch is in the OFF position.

OPERATION DESCRIPTION

- When sliding door control unit judges that sliding door handle is in non-operated status and sliding door is in half latch status according to half latch switch signal and full latch switch signal, sliding door control unit judges that sliding door is in retractable position according to sliding door handle switch and neutral switch signal. Sliding door control unit operates sliding door closure motor, and starts retract operation.
- When sliding door control unit judges that sliding door is in fully closed status according to half latch switch signal and full latch switch signal, sliding door control unit stops sliding door closure motor operation once, and then operates sliding door closure motor in reverse direction to the neutral position of sliding door closure motor.
- Sliding door auto closure function does not operate when any of the following conditions is satisfied.
- Sliding door: When manually closed swiftly
- Sliding door handle: When operated immediately after detection of half latch status
- Battery voltage: 9 V or less

SLIDING DOOR AUTO CLOSURE FUNCTION: Fail-safe

INFOID:0000000012408509

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

DLK

N

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

HOLD FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

HOLD FUNCTION: System Description

INFOID:0000000012408510

Α

В

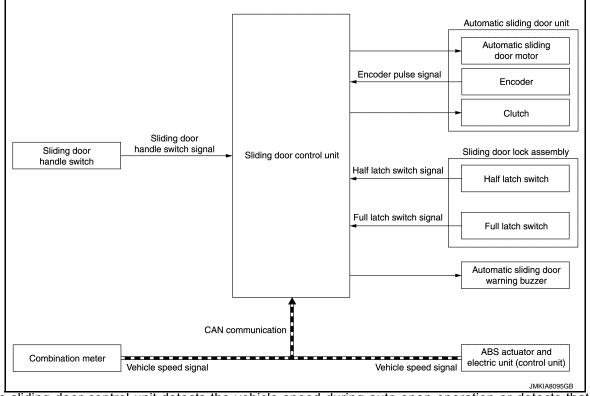
D

Е

Н

DLK

SYSTEM DIAGRAM



When sliding door control unit detects the vehicle speed during auto open operation or detects that sliding
door is open during vehicle driving, sliding door control unit sounds automatic sliding door warning buzzer
warning the driver, simultaneously stops automatic sliding door motor operation, operates clutch, and then
holds sliding door.

• During hold function operation, when sliding door control unit detects half latch status, sliding door control unit stops hold function and operates sliding door auto closure function.

- During hold function operation, when sliding door control unit detects sliding door handle operation, sliding door control unit stops clutch operation. Sliding door can be closed manually.
- When hold function is stopped according to sliding door handle operation and sliding door is manually
 moved to open direction, sliding door control unit judges sliding door moving direction according to encoder
 pulse signal, operates clutch again, and holds sliding door.

HOLD FUNCTION: Fail-safe

INFOID:0000000012408511

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Ν

Revision: October 2015 DLK-83 2016 Quest

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status ^{*2}
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		 When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

ANTI-PINCH FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

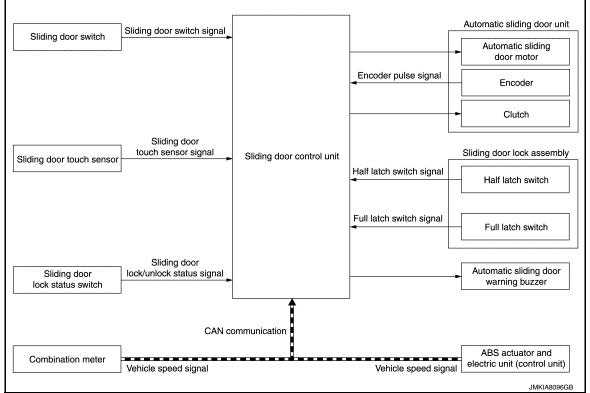
< SYSTEM DESCRIPTION >

ANTI-PINCH FUNCTION: System Description

INFOID:0000000012408512

Α

SYSTEM DIAGRAM



Reverse operation is performed when pinching of foreign materials is detected during automatic sliding door auto open/close operation. Sliding door control unit stops automatic operation and enters into intermittent clutch, when pinching during auto close operation is continuously detected for 3 times or more.

DETECTION ACCORDING TO ENCODER

- During automatic operation when operation speed is reduced or sliding door motor operation load is increased due to pinching of foreign materials, sliding door control unit judges the pinching according to change in encoder pulse signal detected from encoder. Sliding door control unit stops automatic operation, and then automatically operates sliding door in reverse direction. Sliding door control unit stops automatic sliding door motor at the sliding door fully open or fully closed position.
- During auto close operation when the vehicle starts driving, auto close operation does not stop and continues to operate, although operation speed may be reduced or sliding door motor operation load may be increased due to pinching of foreign materials.

DETECTION ACCORDING TO SLIDING DOOR TOUCH SENSOR

- When the vehicle is in stop status and sliding door front end pinches foreign materials during auto close operation, sliding door control unit judges the pinching according to sliding door touch sensor signal, operates sliding door in reverse direction, and operates auto open operation to the fully open position.
- When sliding door is in lock status and sliding door front end pinches foreign materials during sliding door auto closure operation, sliding door control unit judges the pinching according to sliding door touch sensor signal, and stops sliding door auto closure operation.
- When sliding door is in unlock status and sliding door front end pinches foreign materials during sliding door auto closure operation, sliding door control unit judges the pinching according to sliding door touch sensor signal, stops sliding door auto closure operation, and operates sliding door auto open operation to the fully open position.

CAUTION:

Be careful that sliding door may not operate in reverse direction because load may not be detected when thin or soft foreign materials are pinched.

ANTI-PINCH FUNCTION: Fail-safe

INFOID:0000000012408513

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Revision: October 2015 DLK-85 2016 Quest

DLK

Н

M

Ν

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		 When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

INTERMITTENT CLUTCH FUNCTION

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

INTERMITTENT CLUTCH FUNCTION: System Description

INFOID:0000000012408514

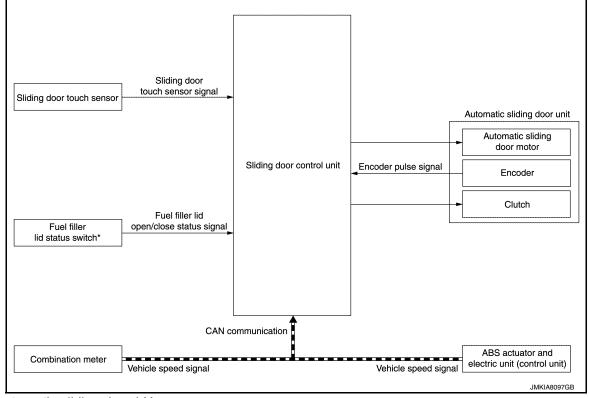
Α

В

D

Е

SYSTEM DIAGRAM



- *: For automatic sliding door LH
- During automatic operation of sliding door, when the vehicle is on a slope, it may become impossible to continue automatic operation of sliding door and its operation may stop suddenly, or door may open or close suddenly. This is due to automatic door main switch being turned the OFF position or any other cause. For prevention purposes, sliding door control unit stops automatic sliding door motor, and simultaneously operates clutch intermittently and prevents sliding door from opening or closing suddenly, so that safety can be secured.
- Intermittent clutch function operates when any of the following conditions is satisfied.

Operation	Operation condition
	Fuel filler lid status: Closed → Open
auto open/close function in operation	Automatic sliding door system malfunction
	Battery voltage: Continuous detection of 9 V or less for 2 seconds or more
	Vehicle speed: 0 km/h
Hold function in operation	Fuel filler lid status: Closed → Open
	Automatic sliding door system malfunction
Anti-pinch function	Continuous detection of pinching for 3 times during auto close operation

INTERMITTENT CLUTCH FUNCTION: Fail-safe

INFOID:0000000012408515

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Revision: October 2015 DLK-87 2016 Quest

DLK

IVI

Ν

0

< SYSTEM DESCRIPTION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		 When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

BUZZER REMINDER FUNCTION

BUZZER REMINDER FUNCTION: System Description

INFOID:0000000012408516

• Automatic sliding door warning buzzer sounds when sliding door automatic function is operated as a reminder.

Operation	Automatic sliding door warning buzzer	
Auto open	2 times for start operation	
Auto close	From sliding door halfway position until operation start of sliding door auto closure function	
Power assist function (open)	2 times for start operation	
Power assist function (close)		
Reverse	2 times for reverse operation	

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< SYSTEM DESCRIPTION >

Operation	Function	Automatic sliding door warning buzzer operation pattern
	Sliding door open/close switch	
Automatic operation start	Intelligent Key button operation	Sound tries (2 times)
	Power assist function	Sound twice (2 times)
Reverse operation start	Reverse operation detection	
Hold function in operation	Vehicle speed 0km/h or more, and sliding door open	Sound continuously (until sliding door is fully closed or the vehicle stops)
Auto close in operation	Auto close in operation	Continuously sounds intermittently (until sliding door is in half latch position)

- · When all of the following conditions are satisfied, automatic sliding door warning buzzer sounds, alerting the driver to stop the vehicle.
- Sliding door: Open status (Sliding door switch ON or full latch switch ON)
- Vehicle speed: 0 km/h or more

BUZZER REMINDER FUNCTION: Fail-safe

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status ^{*2}
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		 When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

DLK-89 Revision: October 2015 2016 Quest

В

Α

D

Е

INFOID:0000000012408517

Н

DLK

Ν

<	SYS	ΓΕΜ	DESC	RIPT	ION	>

^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

< SYSTEM DESCRIPTION >

SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

System Description

INFOID:0000000012408518

Item	Function
Integrated homelink transmitter	A maximum of 3 radio signals can be stored and transmitted to operate the garage door, etc.

D

С

Α

В

Ε

F

G

Н

J

DLK

L

M

Ν

0

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000013014527

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	 Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

x: Applicable item

System	Sub system selection item	Diagnosis mode		
System		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp control system	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
Air conditioning control system	AIR CONDITONER		×	×*
Intelligent Key systemEngine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS	IMMU	×	×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door open	TRUNK		×	
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	AIR PRESSURE MONITOR	×	×	×

NOTE

FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT.

^{*:} For models with automatic air conditioning control system, this diagnosis mode is not used.

< SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected		
	SLEEP>LOCK		While turning BCM status from low power consumption mode to normal mode [Power supply position is OFF (LOCK)]	В
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode [Power supply position is OFF (OFF)]	С
	LOCK>ACC		While turning power supply position from OFF (LOCK) to ACC	
	ACC>ON		While turning power supply position from ACC to ON	D
	RUN>ACC		While turning power supply position from RUN to ACC (Except emergency stop operation)	D
	CRANK>RUN		While turning power supply position from CRANK to RUN	Е
	RUN>URGENT		While turning power supply position from RUN to ACC (Emergency stop operation)	
	ACC>OFF		While turning power supply position from ACC to OFF (OFF)	F
Vehicle Condition	OFF>LOCK	Power position status of the moment a particular	While turning power supply position from OFF (OFF) to OFF (LOCK)	
	OFF>ACC	DTC is detected*	While turning power supply position from OFF (OFF) to ACC	G
	ON>CRANK		While turning power supply position from ON to CRANK	
	OFF>SLEEP		While turning BCM status from normal mode [Power supply position is OFF (OFF)] to low power consumption mode	Н
	LOCK>SLEEP		While turning BCM status from normal mode [Power supply position is OFF (LOCK)] to low power consumption mode	
	LOCK		Power supply position is OFF (LOCK)	-
	OFF		Power supply position is OFF (OFF)	
	ACC		Power supply position is ACC	.1
	ON		Power supply position is ON	0
	ENGINE RUN		Power supply position is RUN	
	CRANKING		Power supply position is CRANK	DLk
IGN Counter	0 - 39	 The number is 0 wher The number increases whenever ignition swit 	t ignition switch is turned ON after DTC is detected a malfunction is detected now. Si like $1 \rightarrow 2 \rightarrow 338 \rightarrow 39$ after returning to the normal condition ch OFF \rightarrow ON.	L

NOTE:

*: Refer to the following for details of the power supply position.

- · OFF (OFF, LOCK): Ignition switch OFF
- · ACC: Ignition switch ACC
- · IGN: Ignition switch ON with engine stopped
- · RUN: Ignition switch ON with engine running
- · CRANK: At engine cranking

Power supply position shifts to "OFF (LOCK)" from "OFF (OFF)", when ignition switch is in the OFF position, shift position is in the P position, and any of the following conditions are met.

- · Closing door
- · Opening door
- · Door is locked using door request switch
- · Door is locked using Intelligent Key

The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "OFF (LOCK)".

DOOR LOCK

M

Ν

Р

2016 Quest

< SYSTEM DESCRIPTION >

DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)

INFOID:0000000012408520

BCM CONSULT FUNCTION

CONSULT performs the following functions via CAN communication with BCM.

WORK SUPPORT

Monitor item	Description		
DOOR LOCK-UNLOCK SET	Selective unlock function mode can be changed to operation with this mode On: Operate Off: Non-operation		
AUTOMATIC DOOR LOCK SE- LECT	Automatic door lock function mode can be selected from the following in this mode VH SPD: All doors are locked when vehicle speed more than 24 km/h (15 MPH) P RANGE: All doors are locked when shifting the selector lever from P position to other than the P position		
AUTOMATIC DOOR UNLOCK SELECT	 Automatic door unlock function mode can be selected from the following in this mode MODE 1: All doors are unlocked when the power supply position is changed from ON to OFF MODE 2: All doors are unlocked when shifting the selector lever from any position other than the P to P position MODE 3: Driver side door is unlocked when the power supply position is changed from ON to OFF MODE 4: Driver side door is unlocked when shifting the selector lever from any position other than the P to P position MODE 5: This item is displayed, but cannot be used MODE 6: This item is displayed, but cannot be used 		
AUTOMATIC LOCK/UNLOCK SET	Automatic door lock/unlock function mode can be selected from the following in this mode Off: Non-operation Unlock Only: Door unlock operation only Lock Only: Door lock operation only Lock/Unlock: Lock and unlock operation		

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Contents
REQ SW-DR	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-BD/TR	Indicated [On/Off] condition of back door request switch
DOOR SW-DR	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR	Indicated [On/Off] condition of sliding door switch RH
DOOR SW-RL	Indicated [On/Off] condition of sliding door switch LH
DOOR SW-BK	Indicated [On/Off] condition of back door switch
CDL LOCK SW	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW	Indicated [On/Off] condition of unlock signal from door lock unlock switch
KEY CYL LK-SW	Indicated [On/Off] condition of lock signal from door key cylinder switch
KEY CYL UN-SW	Indicated [On/Off] condition of unlock signal from door key cylinder switch

ACTIVE TEST

< SYSTEM DESCRIPTION >

Test item	Description	
DOOR LOCK	This test is able to check door lock/unlock operation • The all door lock actuators are locked when "ALL LOCK" on CONSULT screen is touched • The all door lock actuators are unlocked when "ALL UNLK" on CONSULT screen is touched • The front door lock actuator (driver side) is unlocked when "DR UNLK" on CONSULT screen is touched • The front door lock actuator (passenger side) is unlocked when "AS UNLK" on CONSULT screen is touched • The door lock actuator (other) is unlocked when "OTR ULK" on CONSULT screen is touched	

INTELLIGENT KEY

INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)

INFOID:0000000012408521

Α

В

С

 D

Е

F

Н

WORK SUPPORT

Monitor item	Description
INSIDE ANT DIAGNOSIS	This function allows inside key antenna self-diagnosis
LOCK/UNLOCK BY I-KEY	Door lock/unlock function by door request switch mode can be changed to operation in this mode On: Operate Off: Non-operation
ENGINE START BY I-KEY	Engine start function mode can be changed to operation with this mode On: Operate Off: Non-operation
TRUNK/GLASS HATCH OPEN	NOTE: This item is displayed, but cannot be used
PANIC ALARM SET	Panic alarm button pressing time on Intelligent Key button can be selected from the following with this mode • MODE 1: 0.5 sec • MODE 2: Non-operation • MODE 3: 1.5 sec
TRUNK OPEN DELAY	NOTE: This item is displayed, but cannot be used
LO- BATT OF KEY FOB WARN	Intelligent Key low battery warning mode can be changed to operation with this mode On: Operate Off: Non-operation
ANTI KEY LOCK IN FUNCTI	Key reminder function mode can be changed to operation with this mode On: Operate Off: Non-operation
HAZARD ANSWER BACK	Hazard reminder function mode by door request switch and Intelligent Key button can be selected from the following with this mode Lock Only: Door lock operation only Unlock Only: Door unlock operation only Lock/Unlock: Lock and unlock operation Off: Non-operation
ANS BACK I-KEY LOCK	Buzzer reminder function (lock operation) mode by door request switch can be selected from the following with this mode • Horn Chirp: Sound horn • Buzzer: Sound Intelligent Key warning buzzer • Off: Non-operation
ANS BACK I-KEY UNLOCK	Buzzer reminder function (unlock operation) mode by door request switch can be changed to operation with this mode On: Operate Off: Non-operation
SHORT CRANKING OUTPUT	Starter motor can operate during the times below

Revision: October 2015 DLK-95 2016 Quest

DLK

N

0

< SYSTEM DESCRIPTION >

Monitor item	Description
CONFIRM KEY FOB ID	It can be checked whether Intelligent Key ID code is registered or not in this mode
AUTO LOCK SET	Auto door lock operation time can be changed in this mode • MODE 1: OFF • MODE 2: 30 sec • MODE 3: 1 minute • MODE 4: 2 minutes • MODE 5: 3 minutes • MODE 6: 4 minutes • MODE 7: 5 minutes
HORN WITH KEYLESS LOCK	Horn reminder function mode by Intelligent Key button can be selected from the following with this mode On: Operate Off: Non-operation
PW DOWN SET	Unlock button pressing time on Intelligent Key button can be selected from the following with this mode • MODE 1: 3 sec • MODE 2: Non-operation • MODE 3: 5 sec

SELF-DIAG RESULT

Refer to BCS-64, "DTC Index".

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Condition
REQ SW -DR	Indicates [On/Off] condition of door request switch (driver side)
REQ SW -AS	Indicates [On/Off] condition of door request switch (passenger side)
REQ SW -BD/TR	Indicates [On/Off] condition of back door request switch
PUSH SW	Indicates [On/Off] condition of push-button ignition switch
CLUTCH SW	NOTE: This item is displayed, but cannot be monitored
BRAKE SW 1	Indicates [On/Off]* condition of stop lamp switch power supply
BRAKE SW 2	Indicates [On/Off] condition of stop lamp switch
DETE/CANCL SW	Indicates [On/Off] condition of P position
SFT PN/N SW	Indicates [On/Off] condition of P or N position
S/L -LOCK	NOTE: This item is displayed, but cannot be monitored
S/L -UNLOCK	NOTE: This item is displayed, but cannot be monitored
S/L RELAY -F/B	NOTE: This item is displayed, but cannot be monitored
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status
PUSH SW -IPDM	Indicates [On/Off] condition of push-button ignition switch
IGN RLY1 -F/B	Indicates [On/Off] condition of ignition relay 1
DETE SW -IPDM	Indicates [On/Off] condition of P position
SFT PN -IPDM	Indicates [On/Off] condition of P or N position
SFT P -MET	Indicates [On/Off] condition of P position
SFT N -MET	Indicates [On/Off] condition of N position
ENGINE STATE	Indicates [Stop/Stall/Crank/Run] condition of engine states

< SYSTEM DESCRIPTION >

Monitor Item	Condition
S/L LOCK-IPDM	NOTE: This item is displayed, but cannot be monitored
S/L UNLK-IPDM	NOTE: This item is displayed, but cannot be monitored
S/L RELAY-REQ	NOTE: This item is displayed, but cannot be monitored
VEH SPEED 1	Display the vehicle speed signal received from combination meter by numerical value [km/h]
VEH SPEED 2	Display the vehicle speed signal received from ABS or VDC or TCM by numerical value [km/h]
DOOR STAT-DR	Indicates [LOCK/READY/UNLK] condition of unlock sensor
DOOR STAT-AS	Indicates [LOCK/READY/UNLK] condition of passenger side door status
ID OK FLAG	Indicates [Set/Reset] condition of key ID
PRMT ENG STRT	Indicates [Set/Reset] condition of engine start possibility
PRMT RKE STRT	NOTE: This item is displayed, but cannot be monitored
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored
RKE-LOCK	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored
RKE-PANIC	Indicates [On/Off] condition of PANIC button of Intelligent Key
RKE-MODE CHG	Indicates [On/Off] condition of MODE CHANGE signal from Intelligent Key
RKE OPE COUN1	When remote keyless entry receiver receives the signal transmitted while operating on Intelligent Key, the numerical value start changing
RKE OPE COUN2	NOTE: This item is displayed, but cannot be monitored

^{*:} OFF is displayed when brake pedal is depressed while brake switch power supply is OFF.

ACTIVE TEST

Test item	Description
BATTERY SAVER	This test is able to check interior room lamp operation On: Operate Off: Non-operation
OUTSIDE BUZZER	This test is able to check Intelligent Key warning buzzer operation On: Operate Off: Non-operation
INSIDE BUZZER	This test is able to check warning chime in combination meter operation • Take Out: Take away warning chime sounds when CONSULT screen is touched • Key: Key warning chime sounds when CONSULT screen is touched • Knob: OFF position warning chime sounds when CONSULT screen is touched • Off: Non-operation
INDICATOR	This test is able to check warning lamp operation KEY ON: "KEY" Warning lamp illuminates when CONSULT screen is touched KEY IND: "KEY" Warning lamp blinks when CONSULT screen is touched Off: Non-operation
INT LAMP	This test is able to check interior room lamp operation On: Operate Off: Non-operation

Revision: October 2015 DLK-97 2016 Quest

DLK

Α

В

 D

Е

F

Н

Ν

0

< SYSTEM DESCRIPTION >

Test item	Description
LCD	This test is able to check meter display information • Engine start information displays when "BP N" on CONSULT screen is touched • Engine start information displays when "BP I" on CONSULT screen is touched • Key ID warning displays when "ID NG" on CONSULT screen is touched • ROTAT: This item is displayed, but cannot be used. • P position warning displays when "SFT P" on CONSULT screen is touched • INSRT: This item is displayed, but cannot be monitored • BATT: This item is displayed, but cannot be monitored • Take away through window warning displays when "NO KY" on CONSULT screen is touched • Take away warning display when "OUTKEY" on CONSULT screen is touched • OFF position warning display when "LK WN" on CONSULT screen is touched
FLASHER	This test is able to check hazard warning lamp operation LH: LH side hazard warning lamps operate RH: RH side hazard warning lamps operate Off: Non-operation
P RANGE	This test is able to check CVT shift selector power supply On: Operate Off: Non-operation
ENGINE SW ILLUMI	This test is able to check push-button ignition switch illumination operation On: Operate Off: Non-operation
LOCK INDICATOR	This test is able to check LOCK indicator (push-button ignition switch) operation On: Operate Off: Non-operation
ACC INDICATOR	This test is able to check ACC indicator (push-button ignition switch) operation On: Operate Off: Non-operation
IGNITION ON IND	This test is able to check ON indicator (push-button ignition switch) operation On: Operate Off: Non-operation
HORN	This test is able to check horn operation On: Operate Off: Non-operation
TRUNK/BACK DOOR	NOTE: This item is displayed, but cannot be used
POWER SLIDE DOOR	This test is able to check automatic siding door operation RR PSD ON: Auto open/close operate RL PSD ON: Auto open/close operate

TRUNK

TRUNK: CONSULT Function (BCM - TRUNK)

INFOID:0000000012408522

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Contents
PUSH SW	Indicates [On/Off] condition of push switch
UNLK SEN -DR	Indicates [On/Off] condition of unlock sensor
VEH SPEED 1	Indicates [km/h] condition of vehicle speed signal from combination meter
TR/BD OPEN SW	Indicates [On/Off] condition of back door opener switch

< SYSTEM DESCRIPTION >

Monitor Item	Contents
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored

В

Α

С

D

Е

F

G

Н

J

DLK

L

 \mathbb{N}

Ν

0

DIAGNOSIS SYSTEM (AUTOMATIC BACK DOOR CONTROL UNIT)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (AUTOMATIC BACK DOOR CONTROL UNIT)

CONSULT Function (AUTOMATIC BACK DOOR CONTROL UNIT)

INFOID:0000000012408523

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with automatic back door control unit.

Diagnosis mode	Function Description
Self Diagnostic Result	Displays the diagnosis results judged by automatic back door control unit
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from automatic back door control unit
Data Monitor	The automatic back door control unit input/output signals are displayed
Ecu Identification	The automatic back door control unit part number is displayed

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Unit	Description
VHCL SPEED MTR	[km/h]	Display the vehicle speed signal received from combination meter by numerical value
VHCL SPEED ABS	[km/h]	Display the vehicle speed signal received from ABS actuator and electrical unit by numerical value
VHCL SPEED SIG	[NORMAL/ER- ROR]	Indicates condition of vehicle speed from automatic back door control unit
MAIN SW	[ON/OFF]	Indicates condition of automatic door main switch
AUTO BD SW	[ON/OFF]	Indicates condition of automatic back door switch
BK DOOR CL SW	[ON/OFF]	Indicates condition of automatic back door close switch
UNLOCK SEN DR	[ON/OFF]	NOTE: This item is displayed, but cannot be monitored
OPEN SW	[ON/OFF]	Indicates condition of open switch
CLOSE SW	[ON/OFF]	Indicates condition of close switch
HALF LATCH SW	[ON/OFF]	Indicates condition of half latch switch
TOUCH SEN RH	[ON/OFF/OPEN]	Indicates condition of touch sensor RH
TOUCH SEN LH	[ON/OFF/OPEN]	Indicates condition of touch sensor LH
P RANGE IND	[ON/OFF]	Indicates condition of P range signal from TCM
RKE REQ	[OFF/MOVE/ REV]	Indicates condition of remote keyless entry signal from BCM
IGN SW	[ON/OFF]	Indicates condition of IGN power supply
ENCODER A	[LO/HI]	Indicates condition of encoder signal from encoder A
ENCODER B	[LO/HI]	Indicates condition of encoder signal from encoder B
BD OPENER SW	[ON/OFF]	Indicates condition of back door opener switch
UNLOCK SEN BD	[LOCK/ UNLOCK]	NOTE: This item is displayed, but cannot be monitored
DESTINATION	[JPN/NAM]	Indicates specification of destination of the automatic back door system
HAZARD	[ON/OFF]	Indicates specification of hazard warning

SELF-DIAG RESULT

Refer to DLK-109, "DTC Index".

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT LH)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT LH)

CONSULT Function

INFOID:0000000012408524

Α

В

C

D

Е

F

Н

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with sliding door control unit LH.

Diagnosis mode	Function description
Self Diagnostic Result	Displays the diagnosis results judged by sliding door control unit LH
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from sliding door control unit LH
Data Monitor	The sliding door control unit LH input/output signals are displayed
Active Test	The signal used to activate each device are forcibly supplied from sliding door control unit LH
Ecu Identification	The sliding door control unit LH part number is displayed

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor item	Description
SPEED METER	Vehicle speed signal from combination meter is displayed
ABS SPEED	Vehicle speed signal from ABS actuator and electric unit (control unit) is displayed
MAIN SW	[ON/OFF] status of automatic door main switch, which is judged from automatic door main switch signal, is displayed
KNOB LCK SW L	[Lock (OFF)/unlock (ON)] status of sliding door LH, which is judged from sliding door lock/unlock status signal, is displayed
ONE-TOUCH SW	[Operation (ON)/non-operation (OFF)] status of sliding door one-touch open/close switch LH, which is judged from sliding door one-touch open/close switch signal, is displayed
F LID SW	[ON/OFF] status of fuel filler lid status switch, which is judged from fuel filler lid open/close status signal, is displayed
B PILLER SW	NOTE: This item is displayed, but cannot be used
DRIVER SW	[Operation (ON)/non-operation (OFF)] status of sliding door open/close switch (front LH), which is judged from sliding door open/close switch (front LH) signal, is displayed
ACC On SW	[ON, ACC status (ON)/other than ON, ACC (OFF)] status of ignition switch, which is judged from ACC signal, is displayed
DOR HAND SW L	[Operation (ON)/non-operation (OFF)] status of sliding door handle LH, which is judged from sliding door handle switch signal, is displayed
TOUCH SEN LH	[Pinching detection (ON)/non-detection (OFF)] status of sliding door touch sensor LH, which is judged from sliding door touch sensor signal, is displayed
RR-LH DOOR SW	[Open (ON)/close (OFF)] status of sliding door LH, which is judged from sliding door switch signal, is displayed
HAF LATC SW L	[Half latch, fully close (OFF)/open (ON)] status of half latch switch, which is judged from half latch switch signal, is displayed
P RANGE SW	[P position (ON)/other than P position (OFF)] status of selector lever, which is judged from shift position signal, is displayed
BRAKE SW	[Depressed (ON)/non-depressed (OFF)] status of brake pedal, which is judged from stop lamp switch signal, is displayed
P BRAKE SW	[Operation (ON)/non-operation (OFF)] status of parking brake, which is judged from park brake switch signal, is displayed

DLK

J

L

IVI

Ν

0

Р

Revision: October 2015 DLK-101 2016 Quest

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT LH)

< SYSTEM DESCRIPTION >

Monitor item	Description
KEYLESS SIG	[REV→MOVE→OFF] status of auto open/close operation is displayed according to Intelligent Key button operation REV: When Intelligent Key signal is received (button short press) MOVE: When Intelligent Key signal is received (button long press) OFF: When Intelligent Key button is not operated
IGN SW	[ON position (ON)/other than ON position (OFF)] of ignition switch, which is judged from ignition switch ON signal, is displayed
ENCODER A LH	Encoder status, which is judged from encoder pulse signal, is displayed
ENCODER B LH	Encoder status, which is judged from encoder pulse signal, is displayed
CHILD LOCK SW	NOTE: This item is displayed, but cannot be used
FULL LATC SW L	[Full close (OFF)/other than full close (ON)] status of sliding door LH, which is judged from full latch switch signal, is displayed
NEUTRAL SW	[Neutral position (OFF)/other than neutral position (ON)] status of sliding door closure motor, which is judged from neutral switch signal, is displayed

ACTIVE TEST

Test Item	Description
CLUTCH	Clutch operation of sliding door LH can be checked according to screen operation of CONSULT HOLD: Clutch ON (sliding door LH cannot be operated manually) RELEASE: Clutch OFF (sliding door LH can be operated manually) NOTE: Be careful to perform active test after turning automatic door main switch to the OFF position and setting sliding door to the halfway stop position

SELF-DIAG REULT

Refer to DLK-115, "LH: DTC Index".

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT RH)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT RH)

CONSULT Function

INFOID:0000000012408525

Α

В

C

D

Е

F

Н

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with sliding door control unit RH.

Diagnosis mode	Function description
Self Diagnostic Result	Displays the diagnosis results judged by sliding door control unit RH
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from sliding door control unit RH
Data Monitor	The sliding door control unit RH input/output signals are displayed
Active Test	The signal used to activate each device are forcibly supplied from sliding door control unit RH
Ecu Identification	The sliding door control unit RH part number is displayed

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor item	Description			
SPEED METER	Vehicle speed signal from combination meter is displayed			
ABS SPEED	Vehicle speed signal from ABS actuator and electric unit (control unit) is displayed			
MAIN SW	[ON/OFF] status of automatic door main switch, which is judged from automatic door mas switch signal, is displayed			
KNOB LCK SW R	[Lock (OFF)/unlock (ON)] status of sliding door RH, which is judged from sliding door lock/unlock status signal, is displayed			
ONE-TOUCH SW	[Operation (ON)/non-operation (OFF)] status of sliding door one-touch open/close switch RH, which is judged from sliding door one-touch open/close switch signal, is displayed			
F LID SW	[ON/OFF] status of fuel filler lid status switch, which is judged from fuel filler lid open/close status signal, is displayed			
B PILLER SW	NOTE: This item is displayed, but cannot be used			
DRIVER SW	[Operation (ON)/non-operation (OFF)] status of sliding door open/close switch (front RH), which is judged from sliding door open/close switch (front RH) signal, is displayed			
ACC On SW	[ON, ACC status (ON)/other than ON, ACC (OFF)] status of ignition switch, which is judged from ACC signal, is displayed			
DOR HAND SW R	[Operation (ON)/non-operation (OFF)] status of sliding door handle RH, which is judged from sliding door handle switch signal, is displayed			
TOUCH SEN RH	[Pinching detection (ON)/non-detection (OFF)] status of sliding door touch sensor RH, which is judged from sliding door touch sensor signal, is displayed			
RR-RH DOOR SW	[Open (ON)/close (OFF)] status of sliding door RH, which is judged from sliding door switch signal, is displayed			
HAF LATC SW R	[Half latch, fully close (OFF)/open (ON)] status of half latch switch, which is judged from half latch switch signal, is displayed			
P RANGE SW	[P position (ON)/other than P position (OFF)] status of selector lever, which is judged from shift position signal, is displayed			
BRAKE SW	[Depressed (ON)/non-depressed (OFF)] status of brake pedal, which is judged from stop lamp switch signal, is displayed			
P BRAKE SW	[Operation (ON)/non-operation (OFF)] status of parking brake, which is judged from park brake switch signal, is displayed			

DLK

J

L

IVI

Ν

0

Р

Revision: October 2015 DLK-103 2016 Quest

DIAGNOSIS SYSTEM (SLIDING DOOR CONTROL UNIT RH)

< SYSTEM DESCRIPTION >

Monitor item	Description
KEYLESS SIG	 [REV→MOVE→OFF] status of auto open/close operation is displayed according to Intelligent Key button operation REV: When Intelligent Key signal is received (button short press) MOVE: When Intelligent Key signal is received (button long press) OFF: When Intelligent Key button is not operated
IGN SW	[ON position (ON)/other than ON position (OFF)] of ignition switch, which is judged from ignition switch ON signal, is displayed
ENCODER A RH	Encoder status, which is judged from encoder pulse signal, is displayed
ENCODER B RH	Encoder status, which is judged from encoder pulse signal, is displayed
CHILD LOCK SW	NOTE: This item is displayed, but cannot be used
FUL LATC SW R	[Full close (OFF)/other than full close (ON)] status of sliding door RH, which is judged from full latch switch signal, is displayed
NEUTRAL SW	[Neutral position (OFF)/other than neutral position (ON)] status of sliding door closure motor, which is judged from neutral switch signal, is displayed

ACTIVE TEST

Test Item	Description		
CLUTCH	Clutch operation of sliding door RH can be checked according to screen operation of CONSULT • HOLD: Clutch ON (sliding door RH cannot be operated manually) • RELEASE: Clutch OFF (sliding door RH can be operated manually) NOTE: Be careful to perform active test after turning automatic door main switch to the OFF position and setting sliding door to the halfway stop position		

SELF-DIAG REULT

Refer to DLK-121, "RH: DTC Index".

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

	la a still

INFOID:0000000012408526

ECU Reference BCS-41, "Reference Value" BCS-63, "Fail-safe" BCM BCS-63, "DTC Inspection Priority Chart" BCS-64, "DTC Index"

J

Α

В

С

 D

Е

F

G

Н

DLK

M

Ν

0

AUTOMATIC BACK DOOR CONTROL MODULE

< ECU DIAGNOSIS INFORMATION >

AUTOMATIC BACK DOOR CONTROL MODULE

Reference Value

VALUES ON THE DIAGNOSIS TOOL

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

CONSULT MONITOR ITEM

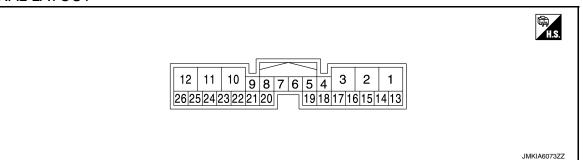
Monitor Item	Condition		Value/Status	
VHCL SPEED MTR	While driving	Equivalent to speedometer reading		
VHCL SPEED ABS	While driving	While driving		
VHCL SPEED SIG	Vehicle speed from automatic back	Normal	NORMAL	
VHCL SPEED SIG	door control unit	Error	ERROR	
MAIN SW	Automatic door main switch	OFF	OFF	
IVIAIN SVV	Automatic door main switch	ON	ON	
AUTO BD SW	Automatic back door switch	Release	OFF	
AOTO BD 3W	Automatic back door switch	Press	ON	
BK DOOD OL SW	Automatic back door close switch	Release	OFF	
BK DOOR CL SW	Automatic back door close switch	Press	ON	
LINI OCK CENI DD	NOTE:		OFF	
UNLOCK SEN DR	This item is displayed, but cannot b	e monitored	ON	
OPEN SW	Back door	Half latch/fully closed	OFF	
OPEN SW	Dack door	Open	ON	
CLOSE SW	Dook door	Open/half latch	OFF	
CLOSE SW	Back door	Fully closed	ON	
HALF LATCH SW	Back door	Half latch/fully closed	OFF	
HALF LATOR SW	Back door	Open	ON	
TOUCH SEN RH	Back door touch sensor RH	Other than bellow	OFF	
TOUCH SEN KH	Back door touch sensor Kn	Detect obstruction	ON	
TOUCH SEN LH	Back door touch sensor LH	Other than bellow	OFF	
TOOCH SEN LH	Back door touch sensor En	Detect obstruction	ON	
P RANGE IND	Selector lever	Other than P position	OFF	
F NAME IND	Selector level	P position	ON	
		Release	OFF	
RKE REQ	Intelligent Key button (back door)	Press (more than 0.5 second)	MOVE	
		Press (just after)	REV	
ICN SW	Ignition switch	Other than ON position	OFF	
IGN SW	ignition switch	ON position	ON	
ENCORED A	Automatia haak daar	Not operate	No change HI or LO	
ENCODER A	Automatic back door	Operate	Change HI or LO	
ENCODER B	Automatic back door	Not operate	No change HI or LO	
LINCODLIND	Automatic back door	Operate	Change HI or LO	
BD OPENER SW	Back door opener switch	Release	UNLK	
DD OF LINEIX 300	Dack door opener switch	Press	LOCK	

AUTOMATIC BACK DOOR CONTROL MODULE

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Condition		
UNLOCK SEN BD	NOTE:	NOTE: This item is displayed, but cannot be monitored		
UNLOCK SEN BD	This item is displayed, but cannot b			
DESTINATION	Circuit between automatic back	Normal	NAM	
	door control module terminal 6 and ground	Open or short	JPN	
	Circuit between automatic back	Normal	ON	
HAZARD	door control module terminal 8 and ground	Open or short	OFF	

TERMINAL LAYOUT



PHYSICAL VALUES

	inal No. e color)	Description		Condition		Voltage
(+)	(-)	Signal name	Input/ Output	Condition		voltage
1 (SB)	Ground	Power supply (BAT)	Input	_		9 - 16 V
2	Ground	Back door closure mo-	Output	Back door	Close operation	9 - 16 V
(BR)	0.00	tor (close)	- Carpar	24011 4001	Other than above	0 - 1.5 V
3	Ground	Back door closure mo-	Output	Back door	Open operation	9 - 16 V
(L)	Cround	tor (open)	Output	Back acci	Other than above	0 - 1.5 V
4	Ground	Automatic back door	Input	Automatic back	Pressed	0 - 1.5 V
(P)	Ground	close switch	iliput	door close switch	Released	9 - 16 V
5	(2round	Automatic back door		Automatic back	Sounding	0 - 1.5 V
(W)		Output	tput door warning buzzer	Not sounding	9 - 16 V	
6 (B)	Ground	Ground (destination)	_	_		0 - 1.5 V
7 (P)	Ground	Power supply (IGN)	Input	Ignition switch ON		9 - 16 V
8 (B)	Ground	Ground (Hazard re- minder)	_	_		0 - 1.5 V
9 (GR)	Ground	Power supply (BAT)	Input	_		9 - 16 V
11 (B)	Ground	Ground	_	_		0 - 1.0 V
13	13 (W) Ground	Touch sensor RH sig-	Input	Back door touch sensor RH	Detect obstruc- tion	0 - 1.5 V
(v v)		IIGI		36(130) 1(11	Other than above	5 - 6.7 V
14 (P)	Ground	Touch sensor ground	Input	_		0 - 1.5 V

Revision: October 2015 DLK-107 2016 Quest

Α

В

С

D

Ε

F

G

Н

DLK

M

Ν

0

AUTOMATIC BACK DOOR CONTROL MODULE

< ECU DIAGNOSIS INFORMATION >

	inal No. e color)	Description		Condition		Voltage
(+)	(-)	Signal name	Input/ Output	Condition		voltage
15 (GR)	Ground	Touch sensor LH sig-	Input	Back door touch sensor LH	Detect obstruc- tion	0 - 1.5 V
(GK)		IIdi		Selisoi Lii	Other than above	5 - 6.7 V
16	Ground	Automatic back door	Input	Automatic back	Pressed	0 - 1.5 V
(L)	Ground	switch	iliput	door switch	Released	9 - 16 V
17	Ground	Automatic door main	Input	Automatic door	ON	9 - 16 V
(G)	Ground	switch	iliput	main switch	OFF	0 - 1.5 V
20	Ground	Olasa switch sissal	lmm: if	Back door	Fully closed	0 - 1.5 V
(R)	Ground	Close switch signal	Input	Back door	Open/half latch	9 - 16 V
22					Open	0 - 1.5 V
(W)	Ground	Half latch switch signal	Input	Back door	Fully closed/half latch	9 - 16 V
24					Open	0 - 1.5 V
(G)	Ground	Open switch signal	Input	Back door	Half latch/fully closed	9 - 16 V
25 (P)	Ground	CAN - L	Input/ Output	_		_
26 (L)	Ground	CAN - H	Input/ Output			_

Fail Safe

Display contents of CONSULT	Fail-safe	Cancellation
B2401 IGN OPEN	Intermittent clutch function	All following condition are satisfied Power supply condition of automatic back door control unit: OFF BCM receive ignition position signal (OFF) via CAN
B2403 PULSE ENCODER	Inhibit automatic back door operation	When receiving the pulse from encoders A and B normally (5 pulses)
B2409 HALF LATCH SW	Intermittent clutch function	Half latch switch is ON from OFF
B2416 TOUCH SEN R OPEN	During close operation: Intermittent clutch function	Normal return
B2417 TOUCH SEN L OPEN	During close operation: Intermittent clutch function	Normal return
B2419 OPEN SW	Inhibit automatic back door operation	Erase DTC, reconnect battery
B2420 CLOSE SW	Inhibit automatic back door operation	Erase DTC, reconnect battery
B2421 CLUTCH TIME OUT	Intermittent clutch function	Reception of next operation request
B2422 BACK DOOR STATE	Intermittent clutch function	Detect back door fully closed position
B2423 ABD MTR TIME OUT	Intermittent clutch function	Reception of next operation request
B2424 CLSR CONDITION	Inhibit automatic back door operation	Normal return or reconnect battery

DTC Inspection Priority Chart

INFOID:0000000012408529

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

AUTOMATIC BACK DOOR CONTROL MODULE

< ECU DIAGNOSIS INFORMATION >

Priority	DTC				
1	B2425 AUTO BK DR CNT UNIT U1000: CAN COMM U1010: CONTROL UNIT (CAN) B2401 IGN OPEN				
2	B2403 PULSE ENCODER B2409 HALF LATCH SW B2416 TOUCH SEN R OPEN B2417 TOUCH SEN L OPEN B2419 OPEN SW B2420 CLOSE SW B2421 CLUTCH TIME OUT B2422 BACK DOOR STATE B2423 ABD MTR TIME OUT B2424 CLSR CONDITION				

DTC Index

NOTE:

Details of time display

1 - 39: Displayed if any previous malfunction is present when current condition is normal. It increases like 1
 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. The counter
 remains at 39 even if the number of cycles exceeds it. It is counted from 1 again when turning ignition switch
 OFF → ON after returning to the normal condition if the malfunction is detected again.

CONSULT display	Fail-safe	Reference page
U1000: CAN COMM	_	DLK-177
U1010: CONTROL UNIT(CAN)	_	DLK-179
B2401: IGN OPEN	×	DLK-180
B2403: PULSE ENCODER	×	<u>DLK-188</u>
B2409: HALF LATCH SW	×	DLK-194
B2416: TOUCH SEN R OPEN	×	DLK-216
B2417: TOUCH SEN L OPEN	X	DLK-219
B2419: OPEN SW	X	DLK-222
B2420: CLOSE SW	×	DLK-224
B2421: CLUTCH TIME OUT	×	DLK-226
B2422: BACK DOOR STATE	×	DLK-227
B2423: ABD MTR TIME OUT	×	DLK-228
B2424: CLSR CONDITION	×	DLK-229
B2425: AUTO BCK DR CNT UNIT	_	DLK-231

DLK

Α

В

D

Е

F

Н

ı

M

Ν

0

Р

Revision: October 2015 DLK-109 2016 Quest

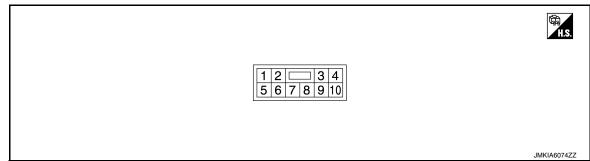
BACK DOOR CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

BACK DOOR CONTROL UNIT

Reference Value

TERMINAL LAYOUT



PHYSICAL VALUES

	inal No. e color)	Description		Condition		Voltage	
(+)	(-)	Signal name	Input/ Output	Con	Condition		
					Stop	8 - 16 V	
1 (W)	Ground	Close switch signal	Input	Closure motor	Close operation	8 - 16 V	
(/					Open operation	0 - 1.5 V	
2	Ground	Half-latch switch signal	Input	Back door	Open	0 - 1.5 V	
(G)	Ground	rian-laten switch signal	прис	Back door	Fully closed/half latch	3.5 - 5.5 V	
3 (LG)	Ground	Battery power supply	Input	_		8 - 16 V	
4	Ground	Back door closure mo-	Output	Back door	Close operation	5 - 16 V	
(V)	Ground	tor (close)	Output		Other than above	0 - 1.5 V	
_					Stop	8 - 16 V	
5 (R)	Ground	Open switch signal	Input	Input Closure motor	Close operation	0 - 1.5 V	
()					Open operation	8 - 16 V	
6	Ground	Back door open re-	Input	Back door opener	Pressed	0 - 1.5 V	
(P)	Ground	quest signal	mpat	switch	Released	8 - 16 V	
7 (B)	Ground	Ground	_			0 - 1.5 V	
8 (GR)	Ground	Ground		_	_	0 - 1.5 V	
10	Ground	Back door closure mo-	Output	Back door	Open operation	5 - 16 V	
(BR)	Ground tor (open) Output Back door		Other than above	0 - 1.5 V			

< ECU DIAGNOSIS INFORMATION >

SLIDING DOOR CONTROL UNIT

LH

LH: Reference Value

INFOID:0000000012408532

Α

В

 D

Е

F

Н

CONSULT MONITOR ITEM

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Condition	Condition			
SPEED METER	While driving	While driving			
ABS SPEED	While driving		Equivalent to speedometer reading		
NAAINI OVA	Automotic de curreir quiteb	OFF	OFF		
MAIN SW	Automatic door main switch	ON	ON		
KNOD LOK OWI	Cliding door look knob I H	Lock	OFF		
KNOB LCK SW L	Sliding door lock knob LH	Unlock	ON		
ONE-TOUCH SW	Sliding door one-touch open/close	Release	OFF		
ONE-TOUCH SW	switch LH	Press	ON		
F LID SW	Fuel filler lid status switch	OFF	OFF		
F LID SW	Fuel filler liu status switch	ON	ON		
B PILLER SW	NOTE: This item is displayed, but cannot b	e used	OFF		
DDIVED CW	Sliding door open/close switch	Release	OFF		
DRIVER SW	(front LH)	Press	ON		
1000 0 000	Ignition position	Other than below	OFF		
ACC On SW	Ignition position	ON, ACC position	ON		
DOD HAND SWI	Cliding door bondlo I LI	Release	OFF		
DOR HAND SW L	Sliding door handle LH	Pull	ON		
TOLICH CENT H	Cliding door touch consor I H	Other than below	OFF		
TOUCH SEN LH	Sliding door touch sensor LH	Pinching detection	ON		
RR-LH DOOR SW	Cliding door I LI	Close	OFF		
RR-LII DOOR SW	Sliding door LH	Open	ON		
HAF LATC SW L	Cliding door I LI	Half latch/fully closed	OFF		
HAP LATO SW L	Sliding door LH	Open	ON		
P RANGE SW	Selector lever	Other than P position	OFF		
P RAINGE SW	Selector level	P position	ON		
DDAKE CW	Brake pedal	Not depressed	OFF		
BRAKE SW	Бтаке рецаі	Depressed	ON		
D DDAKE CW	Parking brake	Not operate	OFF		
P BRAKE SW	Faiking brake	Operate	ON		
		Pressed for short period of time	REV		
KEYLESS SIG	Intelligent Key button (sliding door LH)	Pressed for long period of time	MOVE		
		No operation	OFF		

DLK

J

L

M

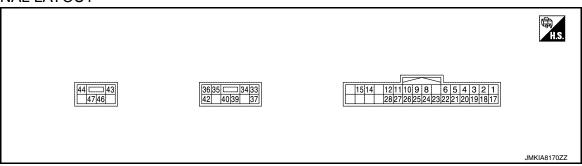
Ν

0

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Conditio	n	Value/Status
IGN SW	Ignition position	Other than below	OFF
IGN SW	ignition position	ON position	ON
ENCODER A LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
ENCODER A LIT	Sliding door En	When stopped	HI or LO
ENCODER B LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
ENCODER B LFI	Silding door LH	When stopped	HI or LO
CHILD LOCK SW	NOTE: This item is displayed, but cannot be	OFF	
FULL LATC SW L	Sliding door LH	Full closed	OFF
I OLL LATO SW L	Siluling door Life	Other than below	ON
NEUTRAL SW	Sliding door closure motor LH	Neutral position	OFF
NEOTICAL SVV	Siluling door closure motor En	Other than below	ON

TERMINAL LAYOUT



PHYSICAL VALUES

	nal No. color)	Description		Condition		Voltago
(+)	(-)	Signal name	Input/ Output	COII	uition	Voltage
1	Ground	Automatic door main	Input	Automatic door	OFF	8 – 16 V
(G)	Giouna	switch	iliput	main switch	ON	0 – 1.5 V
3	Ground	Sliding door lock sta-	Input	Sliding door lock	Unlock	0 – 1.5 V
(R)	Giodila	tus switch	Input	knob	Lock	8 – 16 V
4 (GR)	Ground	Encoder A signal	Input	Sliding door LH	Moving (auto or manual)	(V) 6 4 2 0 JMKIA6157ZZ NOTE: Waveform width changes according to sliding door open/close speed
					When stopped	4 V or 0 – 0.5 V
5				Open	0 – 1.5 V	
(L)	Ground	Half latch switch	Input	Sliding door LH	Full closed/half latch	8 – 16 V
6 (P)	Ground	Power supply (IGN)	Input	Ignition switch ON		9 – 16 V

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description		Condition		Mallana
(+)	(-)	Signal name	Input/ Output			Voltage
8	0	Automatic sliding	0 1: 1	Automatic slid-	Sounding	0 – 1.5 V
(W)	Ground	door warning buzzer	Output	ing door warning buzzer LH	Not sounding	8 – 16 V
9 (P)	Ground	CAN - L	Input/ Output	-	_	_
10 (L)	Ground	CAN - H	Input/ Output	_	_	_
11 (P)	Ground	Encoder power supply	Output	Ignition switch OF	F	8 – 16 V
12 (GR)	Ground	Power supply (BAT)	Input	Ignition switch OF	F	8 – 16 V
14 (GR)	Ground	Sliding door one- touch open/close	Output	Sliding door one- touch open/	Released	8 – 16 V
(GIV)		switch		close switch LH	Pressed	0 – 1.5 V
15	Cround	Novitral avvitab	lan. it	Sliding door clo-	Neutral position	8 – 16 V
(R)	Ground	Neutral switch	Input	sure motor	Other than above	0 – 1.5 V
17	Ground	Fuel filler lid status	Input	Fuel filler lid sta-	OFF	8 – 16 V
(GR)		switch		tus switch	ON	0 – 1.5 V
18	Craund	Full latab avsitab	lan. it	Cliding door LL	Full closed	8 – 16 V
(W)	Ground	Full latch switch	Input	Sliding door LH	Other than above	0 – 1.5 V
19	Cround	Sliding door open/	lanut	Sliding door	Released	8 – 16 V
(P)	Ground	close switch (front side)	Input	open/close switch (front LH)	Pressed	0 – 1.5 V
21 (G)	Ground	Encoder B signal	Input	Sliding door LH	Moving (auto or manual) When stopped	NOTE: Waveform width changes according to sliding door open/close speed 4 V or 0 – 0.5 V
					Released	8 – 16 V
22 (W)	Ground	Sliding door handle switch	Input	Sliding door han- dle LH	Pulled	0 – 1.5 V
23 (B)	Ground	Ground	_	-	_	0 V
24 (G)	Ground	Sliding door touch sensor	Input	Sliding door touch sensor LH	Pinching detection	0 – 1.5 V
		3611301		LOUGH SCHSULLT	Other than above	4 – 8 V
26 (L)	Ground	Ground (encoder)	_	_	_	0 V
27 (B)	Ground	Ground	_	_	_	0 V

DLK

Α

В

С

D

Е

F

Н

L

M

Ν

0

Р

Revision: October 2015 DLK-113 2016 Quest

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description		Condition		Voltogra	
(+)	(-)	Signal name	Input/ Output			Voltage	
28	Ground	Sliding door switch	Input	Sliding door	Close	8 – 16 V	
(GR)	Oroana	Chairig door ownor	mpat	switch LH	Open	0 – 1.5 V	
33 (B)	Ground	Ground	_	_	_	0 V	
34		Sliding door closure		Sliding door clo-	Close operation	9 – 16 V	
(L)	Ground	motor (close)	Output	sure motor LH	Other than above	0 – 1.5 V	
35		Sliding door closure		Sliding door clo-	Return operation	9 – 16 V	
(SB)	Ground	motor (return)	Output	sure motor LH	Other than above	0 – 1.5 V	
36 (V)	Ground	Power supply (BAT)	Input	Ignition switch OF	F	9 – 16 V	
37 (B)	Ground	Ground		_	_	0 V	
39		Sliding door lock re-		Sliding door lock	Operate	0 – 1.5 V	
(G)	Ground	lease actuator (-)	Output	release actuator LH	Other than above	0 V	
40		Sliding door lock re-		Sliding door lock	Operate	9 – 16 V	
(Y)	Ground	lease actuator (+)	Output	release actuator LH	Other than above	0 V	
42 (V)	Ground	Power supply (sliding door auto closure)	Input	Ignition switch OF	F	9 – 16 V	
43	Ground	Sliding door motor	Output	Sliding door I H	Auto open operation	9 – 16 V	
(R)	Giodila	(open)	Output	Sliding door LH	Other than above	0 – 1.5 V	
44	Ground	Clutch (–)	Output	Clutch LH	ON	0 – 1.5 V	
(L)	Oround	Oldton (=)	Output	Oldter Err	OFF	0 V	
46	Ground	Sliding door motor	Output	Sliding door LH	Auto close operation	9 – 16 V	
(W)	Giound	(close)	Output	lose)	Sliding door LH	Other than above	0 – 1.5 V
47	Ground	Clutch (+)	Output	Clutch LH	ON	9 – 16 V	
(SB)	Ciodila	Sidion (·)	Catput	Ciulcii Ln	OFF	0 V	

LH : Fail-safe

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

< ECU DIAGNOSIS INFORMATION >

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN		Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW	Intermittent clutch operation	Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

LH: DTC Inspection Priority Chart

INFOID:0000000012408534

Α

В

D

Е

F

DLK

M

Ν

Р

Priority	DTC				
1	U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN) B2401: IGN OPEN B2405: ECU FAIL				
2	B2402: TOUCH SENSOR OPEN B2403: PULSE ENCODER B2409: HALF LATCH SW B241A: ENCDR PWR SUPLY				
3	B2412: ASD MTR/ENCDR B2413: ASD MTR/ENCDR B2414: ASD MTR TIME OUT				

LH: DTC Index

NOTE:

Revision: October 2015 DLK-115 2016 Quest

 $^{^{*2}}$: After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

< ECU DIAGNOSIS INFORMATION >

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

CONSULT display	Fail-safe	Reference page
U1000: CAN COMM CIRCUIT	_	DLK-177
U1010: CONTROL UNIT (CAN)	×	DLK-179
B2401: IGN OPEN	×	<u>DLK-180</u>
B2402: TOUCH SENSOR OPEN	×	<u>DLK-183</u>
B2403: PULSE ENCODER	×	DLK-188
B2405: ECU FAIL	×	DLK-193
B2409: HALF LATCH SW	×	DLK-195
B2412: ASD MTR/ENCDR	×	DLK-203
B2413: ASD MTR/ENCDR	×	DLK-209
B2414: ASD MTR TIME OUT	×	DLK-212
B241A: ENCDR PWR SUPLY	×	DLK-200

RH

RH: Reference Value

INFOID:0000000012408536

CONSULT MONITOR ITEM

NOTE:

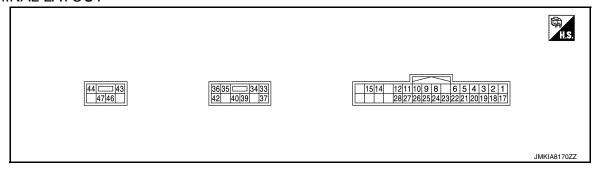
The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Conditio	Condition		
SPEED METER	While driving	Equivalent to speedometer reading		
ABS SPEED	While driving	Equivalent to speedometer reading		
MAIN SW	Automatic door main switch	OFF	OFF	
IVIAIN SVV	Automatic door main switch	ON	ON	
KNOB LCK SW R	Sliding door look knob DU	Lock	OFF	
KNOD LOK SW K	DB LCK SW R Sliding door lock knob RH		ON	
ONE-TOUCH SW	Sliding door one-touch open/close	Release	OFF	
ONE-TOUCH SW	switch RH	Press	ON	
F LID SW	NOTE: This item is displayed, but cannot be	OFF		
B PILLER SW	NOTE: This item is displayed, but cannot be	NOTE: This item is displayed, but cannot be monitored		
DDIVED OW	Sliding door open/close switch	Release	OFF	
DRIVER SW	(front RH)	Press	ON	
A C C C C VA /	Louisian panising	Other than bellow	OFF	
ACC On SW	Ignition position	ON, ACC position	ON	
DOD HAND OW D	Olidina da sa bandla DII	Release	OFF	
DOR HAND SW R	Sliding door handle RH	Pull	ON	
TOUGH CEN DU	Olidina da antavala assas Dil	Other than bellow	OFF	
TOUCH SEN RH	Sliding door touch sensor RH	Pinching detection	ON	

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
RR-RH DOOR SW	Sliding door RH	Close	OFF
RR-RH DOOR SW	Sliding door RH	Open	ON
HAF LATC SW R	Cliding door DLI	Half latch/fully closed	OFF
HAP LATE SW R	Sliding door RH	Open	ON
P RANGE SW	Selector lever	Other than P position	OFF
P RAINGE SW	Selector level	P position	ON
BRAKE SW	Proko podal	Not depressed	OFF
BRAKE SW	Brake pedal	Depressed	ON
P BRAKE SW	Darking broke	Not operate	OFF
P BRAKE SW	Parking brake	Operate	ON
		Pressed for short period of time	REV
KEYLESS SIG	Intelligent Key button (sliding door RH)	Pressed for long period of time	MOVE
		No operation	OFF
IGN SW	Ignition position	Other than bellow	OFF
IGN SVV	ignition position	ON position	ON
ENCODER A RH	Sliding door RH	Moving (auto or manual)	HI ⇔ LO
ENCODER A KH	Sliding door KH	When stopped	HI or LO
ENCODER B RH	Sliding door RH	Moving (auto or manual)	HI⇔LO
ENCODER B RH	Silding door Kri	When stopped	HI or LO
CHILD LOCK SW	NOTE: This item is displayed, but cannot be monitored		OFF
	Cliding door DLI	Full closed	OFF
FUL LATC SW R	Sliding door RH	Other than bellow	ON
NEUTRAL SW	Cliding door alcoure motor DLI	Neutral position	OFF
NEUTRAL SW	Sliding door closure motor RH	Other than bellow	ON

TERMINAL LAYOUT



PHYSICAL VALUES

	nal No. color)	Description		Condition		Voltage
(+)	(-)	Signal name	Input/ Output		altion	vollage
1	Ground	Automatic door main	Input	Automatic door	OFF	8 – 16 V
(R)	Giodila	switch	IIIput	main switch	ON	0 – 1.5 V
3	Ground	Sliding door lock sta-	Input	Sliding door lock	Unlock	0 – 1.5 V
(P)	Giodila	tus switch	Input		Lock	8 – 16 V

DLK-117 Revision: October 2015 2016 Quest Α

В

 D

Е

F

Н

J

DLK

Ν

0

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description		Con	dition	Voltage	
(+)	(-)	Signal name	Input/ Output	Condition		Voltage	
4 (R)	Ground	Encoder A signal	Input	Sliding door RH	Moving (auto or manual)	NOTE: Waveform width changes according to sliding door open/close speed	
					When stopped	4 V or 0 – 0.5 V	
5					Open	0 – 1.5 V	
(G)	Ground	Half latch switch	Input	Sliding door RH	Full closed/half latch	8 – 16 V	
6 (L)	Ground	Power supply (IGN)	Input	Ignition switch ON		9 – 16 V	
8		Automatic sliding	0 1 1	Automatic slid-	Sounding	0 – 1.5 V	
(P)	Ground	door warning buzzer	Output	ing door warning buzzer RH	Not sounding	8 – 16 V	
9 (B)	Ground	CAN - L	Input/ Output	<u> </u>		_	
10 (W)	Ground	CAN - H	Input/ Output	_	_	_	
11 (G)	Ground	Encoder power supply	Output	Ignition switch OF	F	8 – 16 V	
12 (Y)	Ground	Power supply (BAT)	Input	Ignition switch OF	F	8 – 16 V	
14		Sliding door one-		Sliding door one-	Released	8 – 16 V	
(GR)	Ground	touch open/close switch	Output	touch open/ close switch RH	Pressed	0 – 1.5 V	
15				Sliding door clo-	Neutral position	8 – 16 V	
(R)	Ground	Neutral switch	Input	sure motor	Other than above	0 – 1.5 V	
10					Full closed	8 – 16 V	
18 (W)	Ground	Half latch switch	Input	Sliding door RH	Other than above	0 – 1.5 V	
19		Sliding door open/		Sliding door	Released	8 – 16 V	
(G)	Ground	close switch (front side)	Input	open/close switch (front RH)	Pressed	0 – 1.5 V	

Α

В

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

Р

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description		Con	alisi a .a	Vallana	
(+)	(-)	Signal name	Input/ Output	Con	dition	Voltage	
21 (P)	Ground	Encoder B signal	Input	Sliding door RH	Moving (auto or manual)	(V) 6 4 10000000000000000000000000000000000	
					When stopped	4 V or 0 – 0.5 V	
22	Ground	Sliding door handle	Input	Sliding door han-	Released	8 – 16 V	
(W)		switch		dle RH	Pulled	0 – 1.5 V	
23 (B)	Ground	Ground	_	_	_	0 V	
24	Ground	Sliding door touch	lpout	Sliding door	Pinching detection	0 – 1.5 V	
(G)	(G)	sensor	Input	touch sensor RH	Other than above	4 – 8 V	
26 (GR)	Ground	Ground (encoder)	_	_		0 V	
27 (GR)	Ground	Ground	_	_		0 V	
28	0	0			Sliding door	Close	8 – 16 V
(GR)	Ground	Sliding door switch	Input	switch RH	Open	0 – 1.5 V	
33 (B/R)	Ground	Ground	_	-	_	0 V	
		Olidia a da a a ala suna		Olidia a da ca ala	Close operation	9 – 16 V	
34 (R)	Ground	Sliding door closure motor (close)	Output	Sliding door clo- sure motor RH	Other than above	0 – 1.5 V	
		Oli di canada canada cana		Olidia a da cada	Return operation	9 – 16 V	
35 (G)	Ground	Sliding door closure motor (return)	Output	Sliding door clo- sure motor RH	Other than above	0 – 1.5 V	
36 (Y)	Ground	Power supply (BAT)	Input	Ignition switch OF	F	9 – 16 V	
37 (B/R)	Ground	Ground	_	_		0 V	
		01.11		Sliding door lock	Operate	0 – 1.5 V	
39 (L)	Ground	Sliding door lock re- lease actuator (-)	Output	release actuator RH	Other than above	0 V	
40		Cliding door look re		Sliding door lock	Operate	9 – 16 V	
40 (O)	Ground	Sliding door lock re- lease actuator (+)	Output	release actuator RH	Other than above	0 V	
42 (Y)	Ground	Power supply (sliding door auto closure)	Input	Ignition switch OF	F	9 – 16 V	

Revision: October 2015 DLK-119 2016 Quest

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description		Condition		Voltage	
(+)	(-)	Signal name	Input/ Output			· stage	
43	Ground	Sliding door motor	Output	Sliding door RH	Auto open operation	9 – 16 V	
(B)	Ground	(open)	Output Sliding door Kin	Other than above	0 – 1.5 V		
44	Ground	Clutch (–)	Output	Clutch RH	ON	0 – 1.5 V	
(L)	Giodila	Clutch (=)	Output	Cidicilixii	OFF	0 V	
46	Ground	Sliding door motor	Output	ut Sliding door RH -	Auto close operation	9 – 16 V	
(W)	Giodila	(close)	Output		Other than above	0 – 1.5 V	
47	Ground	Clutch (+)	Output	Clutch RH	ON	9 – 16 V	
(BR)	Giodila	Ciuton (+)	Output	GIUIGH KH	OFF	0 V	

RH: Fail-safe

FAIL-SAFE CONTROL BT DTC

Sliding door control unit performs fail-safe control when any DTC is detected.

Display contents of CONSULT	Fail-safe	Reference page*1
U1010: CAN COMM CIRCUIT		Return to normal status*2
B2401: IGN OPEN		 When the following conditions are fulfilled Sliding door control unit detects that ignition switch is in the OFF position Sliding door control unit detects that ignition switch is not in the ON position via CAN communication
B2402: TOUCH SENSOR OPEN	Intermittent clutch operation	Return to normal status
B2403: PULSE ENCODER		Sliding door control unit detects that sliding door is in the fully closed position
B2405: ECU FAIL		Erase DTC*2
B2409: HALF LATCH SW		Sliding door control unit detects that sliding door is in the fully closed position
B2412: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2413: ASD MTR/ENCDR		Sliding door control unit detects that sliding door is in the fully closed position
B2414: ASD MTR TIME OUT		Sliding door control unit detects that sliding door is in the fully closed position
B241A: ENCDR PWR SUPLY		When the following conditions are fulfilled Return to normal status Sliding door control unit detects that sliding door is in the fully closed position

< ECU DIAGNOSIS INFORMATION >

RH: DTC Inspection Priority Chart

Priority	DTC
1	U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN) B2401: IGN OPEN B2405: ECU FAIL
2	B2402: TOUCH SENSOR OPEN B2403: PULSE ENCODER B2409: HALF LATCH SW B241A: ENCDR PWR SUPLY
3	B2412: ASD MTR/ENCDR B2413: ASD MTR/ENCDR B2414: ASD MTR TIME OUT

RH: DTC Index

NOTE:

The details of time display are as follows.

· CRNT: A malfunction is detected now.

• PAST: A malfunction was detected in the past.

CONSULT display	Fail-safe	Reference page
U1000: CAN COMM CIRCUIT	_	DLK-178
U1010: CONTROL UNIT (CAN)	×	DLK-179
B2401: IGN OPEN	×	DLK-181
B2402: TOUCH SENSOR OPEN	×	DLK-185
B2403: PULSE ENCODER	×	DLK-190
B2405: ECU FAIL	×	DLK-193
B2409: HALF LATCH SW	×	DLK-198
B2412: ASD MTR/ENCDR	×	DLK-205
B2413: ASD MTR/ENCDR	×	DLK-209
B2414: ASD MTR TIME OUT	×	DLK-213
B241A: ENCDR PWR SUPLY	×	DLK-201

DLK

Α

В

D

Е

F

Н

INFOID:0000000012408538

M

Ν

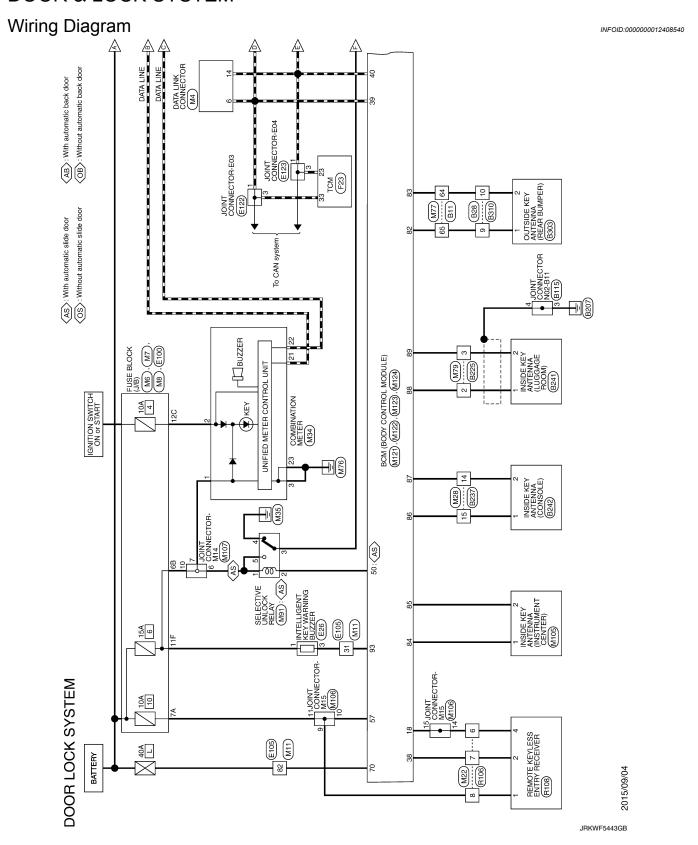
0

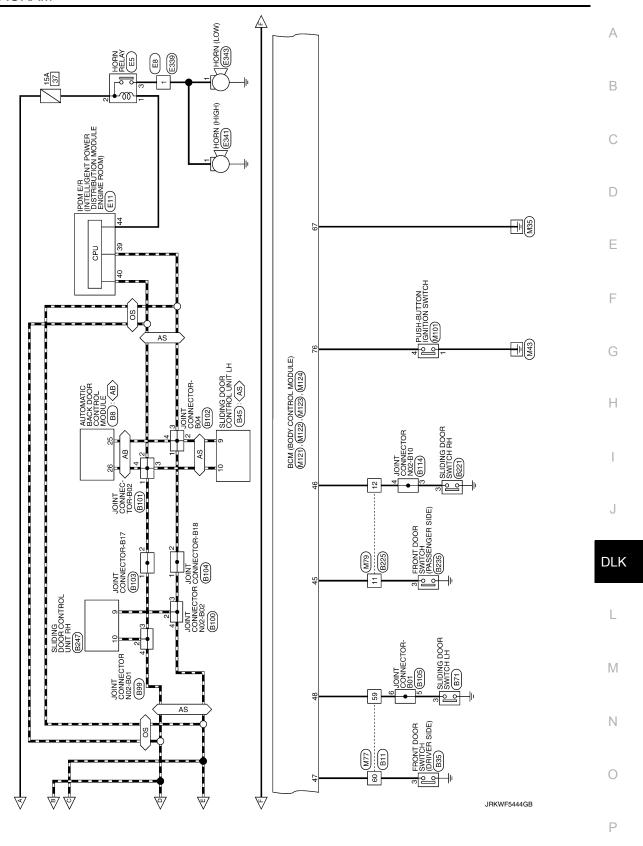
^{*1:} When battery is reconnected, cancellation conditions are unconditionally fulfilled.

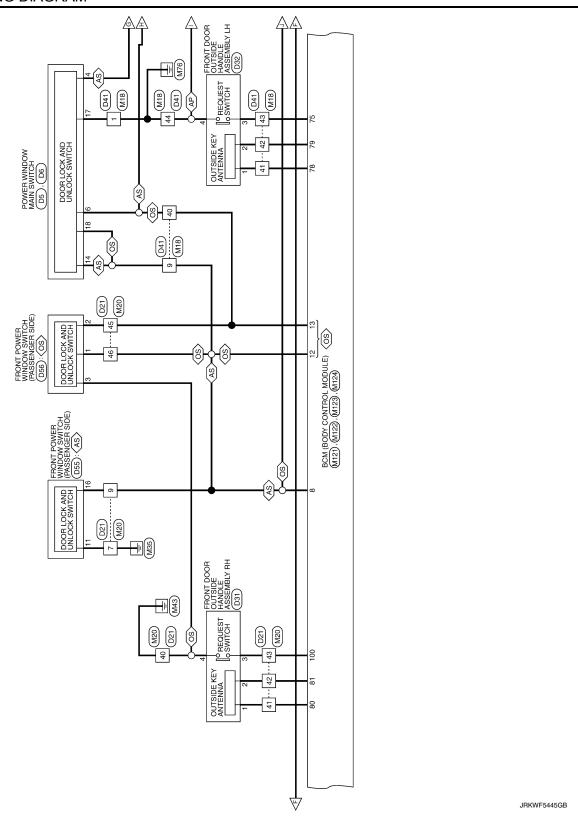
^{*2:} After returning to normal status, auto open/close function does not operate unless sliding door auto closure function is operated.

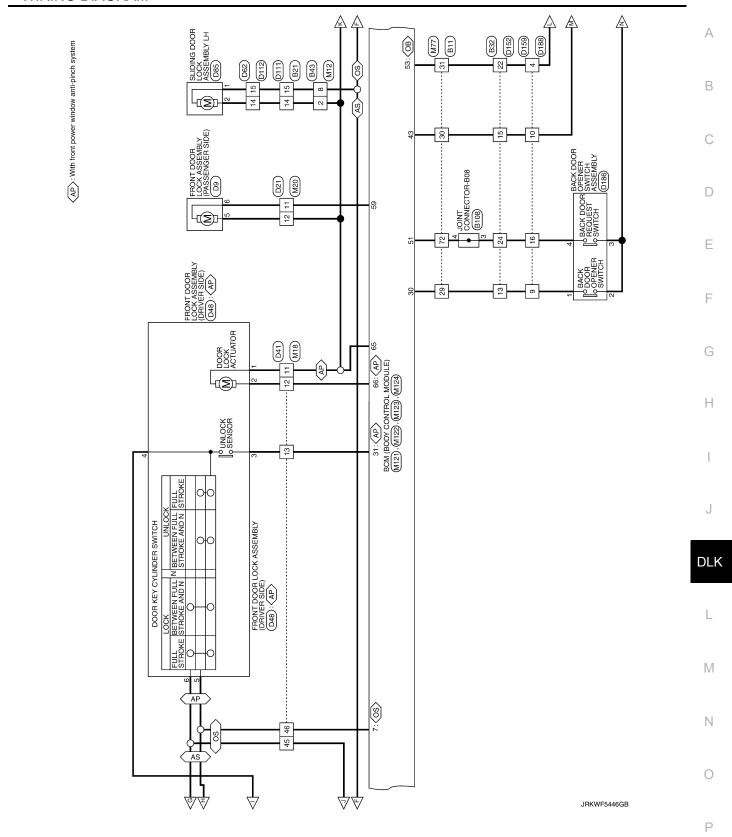
WIRING DIAGRAM

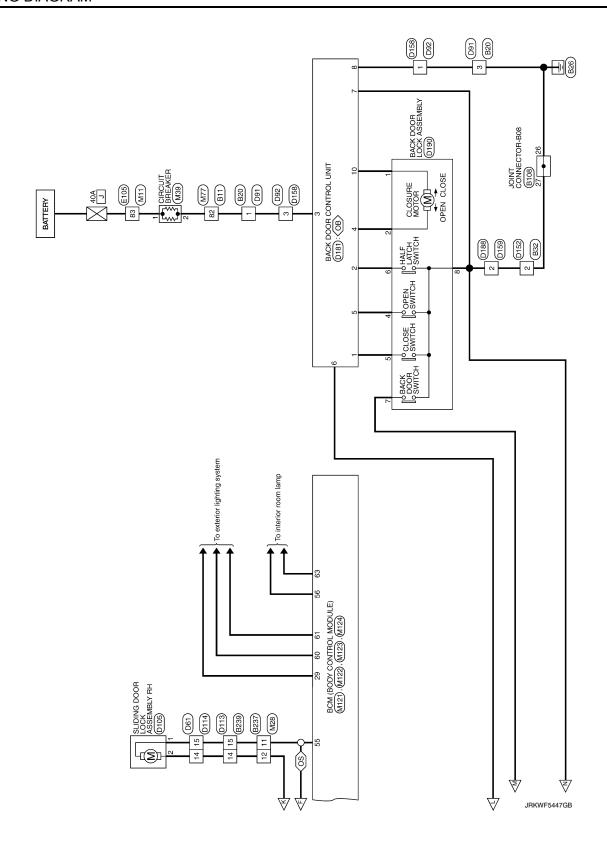
DOOR & LOCK SYSTEM











No. 88	Signal Name Speedration)	78	Connector No. B21
AUTOMATIC BACK DOOR CONTINGL MODILE	goal Name (Speedfranco)		MS16i
Third Thir	goal Name [Specification]		NS167
11 9 9 7 6 4 3 2 1	Constitution (Specification)		inal Color Of Wire BR W
	Soul Name (Specification)		Sinnial Color Of Wire BR WW
Signal Name [Specification] Terminal Color Of No. No. Wire +8 10 GR 0.0	gral Name (Specification)		Color Of Wire BR
Signal Name [Specification] Name Color Of	gnal Name (Specification)		Color Of Wire BR
Hard Code; Har			M BR
113 113 115 115 116 117 117 117 117 117 117 117 117 117			
15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		inector Type	
29 29 30 31 31 31 32 43 43 43 43 43 43 43 43 43 43 43 43 43			
20 20 31 31 31 31 31 32 38 38 38 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30			$\frac{1}{1}$
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		The state of the s	+
31 37 38 39 40 40 51 51 53			e BR
37 38 39 40 40 51 51 52 53		1 2 3	. 51 /
38 39 40 51 51 53		4 5 6	8 L
39 40 51 52 53			- 8S 6
52 53			L
52 52 53			
52 53		Tourism Color Of	╀
23 27	*		- T-
23		a m	4
			16 B ·
		+	
		2 8	
		3 BR - [With automatic back door]	Connector No. B28
885		ľ	
I		^	Connector Name WIRE TO WIRE
66		- 2	Ť
99		+	Connector Type THISTW-NH
_		6 B ·	
62 BR			
63			[
╀			
+			8 7 6 5 4 3 2
+			19 19 11
99 SHIELD			14 10 12 11 10
8 29			
╀			
†			Н
7			ler.
70 W/R			No. Wire
H			
_			Ť
ł			T
Н			T
Н]		
++-			Ī
HH			1
++++			П
+++			Т
Н			3 B/R 4 SHIELD

DLK

J

Α

В

С

D

Е

F

G

Н

L

 \mathbb{N}

Ν

0

JRKWF5448GB

Terminal Color Of Color Color Color Color Color Color Colo
© (2)1
THOSE DOUG SWITCH (DATE OF SUPE) Signal Name [Specification] WRE TO WIRE NSOBMW-CS A Signal Name [Specification]
Connector Name Connec
832 WINE TO WINE THISAWWANH 1 2 3 4 5 6 7 8 9 10 [11] 2 13 [4 15 16 17] 8 19 20 [21] 22 [23] 24 Signal Name (Specification)
B B/W

JRKWF5449GB

	А
Specification	В
19.108 19.10 M CONNECTOR BOS 19.10 M CONNECTOR BOS 19.10 M CONNECTOR BOS 2	С
Connector Num Connector Num Connector Num Connector Type No. Wire No. Wire No. Wire No. 13 No. Vir. 13 No. Vir. 13 No. Vir. 14 No. Vir. 15 No. Vir. 16 No. Vir. 17 No. Vir. 18 No. Vir. 19 No. Vir. 10 No. Vir. 10 No. Vir. 10 No. Vir. 11 No. Vir. 12 No. Vir. 13 No. Vir. 14 No. Vir. 15 No. Vir. 15 No. Vir. 15 No. Vir. 15 No. Vir. 16 No. Vir. 17 No. Vir. 18 No. Vir. 19 No. Vir. 19 No. Vir. 19 No. Vir. 10 No. Vir. 10 No. Vir. 10 No. Vir. 11 No. Vir. 12 No. Vir. 13 No. Vir. 13 No. Vir. 13 No. Vir. 14 No. Vir. 15	D
(cation)	Е
TKG4FW-1 TKG4FW-1 Signal Name (Specification) Sign	F
Connector Name District	G
	Н
	I
1010 1010	J
Connector No. Terminal Color Of No. Connector No.	DLK
Signal Name (Specification)	L
SySTEM	M
DOOOR LOCK SYSTEM	Ν
	0
	JRKWF5450GB

Revision: October 2015 DLK-129 2016 Quest

šП	Connector No.		Connector No.	П	Connector No.	B239	_
.	Connector Name		Connector Name		Connector Name	WIRE TO WIRE	
Connector type I Klu4t-W-J	Connection Type	HO4FW-NH	Connector type	DE IHG4FW-NH	Connecceor Type	c)-wwqrcn	_
HS. 01432 0	HS.		H.S.		H.S.	1 2 3 	
Terminal Color Of Signal Name [Specification] No. Wire	Terminal Color Of No. Wire	Of Signal Name [Specification]	Terminal C No.	Color Of Signal Name [Specification]	Terminal Color Of No. Wire	Signal Name [Specification]	
2 GR .	3 GR		9	- · · · · · · · · · · · · · · · · · · ·	1 BR	- [Without BOSE system]	_
+					2 B	- [With BOSE system]	_
	Connector No.	8225	Connector No.	. 8237	H	- [Without BOSE system]	
Connector No. B115	Connector Name	WIRE TO WIRE	Connector Name	me WIRE TO WIRE	> 0 5 9		_
9	Connector Type	TH16MW-NH	Connector Type	oe NS16MGY-CS	Н		_
$\overline{}$			Œ		æ Ø		_
	H.S.	1 0 0 4 5 6 7 8	H.S.	1 2 3 • 4 5 6 7	10 0 11 L		
3.		11 12 13 14 15		8 9 10 11 12 13 14 15 16	14 P 15 LG 16 GR		
	Terminal Color Of No. Wire	Of Signal Name [Specification]	Terminal C	Color Of Signal Name [Specification]	Connector No.	B241	_
-e	2 W		1	В .	Connector Name	INSIDE KEY ANTENNA (LIGGAGE BOOM)	_
Wire	3		2		Topono D		_
4 SHELD	+		9	GR GR	add longing	NNO21 C	-
	1 6		5	LG - [With manual A/C]	6	•	
	\dashv		2	P - [With auto A/C]	۴	«	
	11 58		7		II:0:		
	12 GR		0	- 0			
	+		10	0			
	15 L		11				1
	16 Y		12		lal (Signal Name (Specification)	_
			14	W.	No. Wire	reconstructed support	_
			16		2 B		_

JRKWF5451GB

Conscided Ms DO	ne l	Connector Type E06FGY-RS	HS.		Color Of Signal Name [Specification] No. Wire	5 BR .		Connector No. D21	Connector Name WIRE TO WIRE	Connector Type TH40FW-CS15	4		1. 2. 1	ड्रेस ड्राइन ड्रेस ड्रेस ड्रेस ड्राइन ड्रेस ड्राइम ड्राइम ड्राइम ड्राइम ड्राइम ड्राइम ड्राइम ड्राइम			Terminal Color Of Signal Name [Specification] No. Wire	7 8	^		10 LG .	11 16 .	BR	89	14 R - [With BOSE system]	15 L - [Without BOSE system] 15 W - [With BOSE system]	a.	17 GR .	+	+	+	23 W :
Connection for	POWER WINDOW MAIN SWITCH	Connector Type NS16FW-CS Co	2 3 4 5 6 7	11 12 13	Terminal Color Of Signal Name [Specification] Ti	1 Y SLIDING DOOR POWER WINDOW MOTOR LH UP SIGNAL 2 P ENCORDER GROUND	3 BR SLIDING DOOR POWER WINDOW MOTOR LH DOWN SIGNAL 4 G DOOR KEY CYLINDER SWITCH LOCK SIGNAL	SUDING DOOR POWER WINDOW MOTOR RH DOWN SIGNAL	6 GR DOOR KEY CYLINDER SWITCH UNLOCK SIGNAL 7 V SLIDING DOOR POWER WINDOW MOTOR RH UP SIGNAL	L FRONT POWER WINDOW MOTOR (DRIVER SIDE) UP SIGNAL	W ENCORDER SIGNAL 2	DOWN SIGNAL	91	GR	14 K POWER WINDOW SERIAL LINK 15 G ENCORDER POWER SUPPLY	16 L .	F	Connector No. D6	Connector Name POWER WINDOW MAIN SWITCH	1	Connector Type NSUSEW-CS				1/18/19		1	le l	Wire	+	9 ;	19 Y BATTERY POWER SUPPLY
30 CA			Connector No. 8303 Connector Name OUTSIDE KEY ANTENNA (REAR BLAMPER)		H.S.		Terminal Color Of		1 R		Connection II	Τ,	.	Connector Type TH16MW-NH	E		1234567	9 10 11 12 13 14 15 16			Frminal Color Or Signal Name (Specification) No. Wire Signal Name (Specification)	1 6	2 8 .	7	4 SHIELD	20 -	7 Y	. 8		+	+	12 16 :
DOOR LOCK SYSTEM	e e	Connector Type RK02FL	H.S.		Terminal Color Of Signal Name [Specification]	1 W -		Connector No. 8247	Connector Name SLIDING DOOR CONTROL UNIT RH	Connector Type TH32FW-NH	€.	Arth	Ion	18 19 21 22 23 24 28 27 28			Terminal Color Of Signal Name [Specification] No. Wire	1 R MAINSW	Ь	ez i	5 G HALFLAICH 6 L IGN	8 P BUZZER	В	W	11 G ENCODER POWER	12 Y ELEC'S 14 GR ONETOUCH OPEN SW	œ	W	9	a 3	» «	23 B SW GND 24 G TOUCH SENS

DLK

J

Α

В

D

Е

F

G

Н

L

M

Ν

0

JRKWF5452GB

DOOR & LOCK SYSTEM

DOOK LOC	DOOR LOCK SYSTEM								
24 SHIELD		Connector No.		D32	12	8	- [With BOSE system]	Connector No.	D48
Z5 Y		Connector Mone	o Wiemen	THE ALGORITHM SHOULD BE ALGORITHM OF THE	16	U		Constant Manne	Cadia daywada x lawaaa x xoo i dood haoda
7 72					17	ч			
36 P		Connector Type		RH04MB	18	U		Connector Type	E06FGY-RS
37 6			2		19	Ь			
L		1			20	>		Œ	
L					21	GR			
Ļ		ŹΞ			22	۵		Ż	
L				(1234)	23	æ			((1 2 3 4 5 6))
╀					24				
L					25	*			
45 G					56	SHIELD			
H		Terminal	I Color Of		27	ď		Terminal Color Of	
20 W		No.	Wire	Signal Name [Specification]	28	۵		No. Wire	Signal Name [Specification]
┡		1	GR		53	GR		1 BR	
L		^	9		30	۵		2	
ů		m	~		~	3		8	
۰			a		33	: (4		ł	
0 ×		,	٠	,	8 8	٥		+	
4					8	. 3		$^{+}$	
		1	l	***	ŧ,	3		+	
		COLLIBERT		141	99	9			
Connector No.	D31	Connector Name	yr Name	WIRE TO WIRE	36	۵			
Constant Name	HE VIEWESSA SIGNAL SESTIO GOOD TAOUS			MINE IS WINE	37	9		Connector No.	055
connector Name	FROM DOOR OUTSIDE HANDLE ASSEMBLT RIT	Connector Type	r Type	TH40FW-CS15	38	*	*		
Connector Type	RH04MB				38	91		Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
		1			40	æ		Connector Type	NS16FW-CS
€		The state of the s			41	GB GB			
至于		Ś		15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	27	e		Œ	
H.S.				Mail 45 Am 401 42 Am 401 50 50 50 70 36 256 256 252 252 21 20 15 15 17 16 7	43	2		至	
	V 6 6 1				2			se i	3 4
	ų.				# :	۵ (C. S. T.		1 ;
					O.	,	- [vvitiout around view monitor]		1
					42	>	 [With around view monitor] 		
		Terminal	U	Signal Name [Specification]	46	GR	 [Without around view monitor] 		
le le	of Stanal Name (Specification)	No.	Wire		46	,	- [With around view monitor]		
No. Wire		1	В		47	GR		le l	Signal Name [Specification]
1 GR		2	۸		48	8		No. Wire	1.0000000000000000000000000000000000000
2 6		e	SB		49	ď		3 GR	ENCORDER GROUND
3		4	>		20	U	- [With automatic drive positioner]	4	ENCORDER POWER SUPPLY
4 B		2	BR	•	20	W	- [Without automatic drive positioner]	8	FRONT POWER WINDOW MOTOR (PASSENGER SIDE) UP SIGNAL
		9	_		51	Ь	- [With automatic drive positioner]	97 6	FRONT POWER WINDOW MOTOR (PASSENGER SIDE) DOWN SIGNAL
		7	>		51	æ	- [Without automatic drive positioner]	10 V	BATTERY POWER SUPPLY
		œ	GR		25	9	- [Without automatic drive positioner]	11 B	GROUND
		6	9	- [With manual A/C]	25	W	- [With automatic drive positioner]	12 P	ENCORDER SIGNAL 1
		6	æ	- [With auto A/C]	23	SHIELD		15 R	ENCORDER SIGNAL 2
		10	>		54	60		16 W	POWER WINDOW SERIAL LINK
		Ξ	as		ď	W			
		1 2	5 2		3				
		13	W						
		1 5	: a						
		1	, -	[mostaria 23 Od accounting]					
		CT	,	 [Wrthout BOSE system] 					

JRKWF5453GB

6 B	1 V Signal Name Specification Value Value	
Terminal Color Of Signal Name [Specification] No. Wire Wire		
15 Y	The State The The State The State The The	
DOOR LOCK SYSTEM Connector Name Insur rower window switch exposure step Connector Type INSIZEM-CS	Terminal Color Of Signal Name Specification No. Wire Signal Name Specification	

Α

В

С

 \square

Е

F

G

Н

J

DLK

L

M

Ν

0

JRKWF5454GB

DOOR LOC	DOOR LOCK SYSTEM										
Connector No.	D112	11	Y		Terminal	١~	Signal Name (Specification)	cification	Connector No.		D159
Connector Name	WIRE TO WIRE	14	ag g		No.	Wire	adel announced	cincationi	Connector Name		WIRE TO WIRE
	40	çı ;	š		-	ž,				Ť	
Connector lype	NS16MW-CS	16	۵.		2	8			Connector lype	٦	TH16FW-NH
Œ					m s	۵ :			Œ		
and the same of th		Connector No.		D114	1 10	> >			A ST		[
Ż	123 - 4567		١,	TO THE PERSON OF	9	97			Ź		0 7 6 6 4 9 9 1
	8 9 10 11 12 13 14 15 16	Collinector	.	WINE IO WINE	6	SHIELD					15 14 13 15 11
		Connector Type	١	NS16MW-CS	10	≥					21 21 21
		ą			11	۳					
		B			12	89					
E E	Of Signal Name (Specification)	Ę		1, 1	13	۳			Terminal	_	Signal Name (Specification)
No. Wire		Ċ		2 3 4 5	14	ŋ			No.	Wire	Transport and a real property of the contract
1 W				8 9 10 11 12 13 14 15 16	15	۵			п	SB	
+					16	0			2	8	
\dashv					17	_			m	۵	
6 BR					18	GR	•		4	۸	
\dashv		le (Color Of	Signal Name (Specification)	19	æ			S	>	
80		No.	Wire	figure and a second	20	0			6	æ	
9 R		1	*		21	91			10	۵	
10 Y		2	W		22	۸			11	0	
11 Y		S	BR		23	≥			12	_	
14 GR		9	BR		24	>			13	GR	
		7	9						14	0	
H		00	~						15	91	
		6	æ	,	Connector No.	.No.	D158		16	>	
		10	٨		Connector Name	omeN.	WIDE TO WIDE				
Connector No.	D113	11	γ			all le	WINE IO WINE				
Connector Name	Connector Name WIRE TO WIRE	14	GR		Connector Type	- Type	M06MW-LC		Connector No.	П	D181
		15	g.		á				Connector Name		BACK DOOR CONTROL UNIT
Connector Type	NS16FW-CS	16	а		厚			ſ		Т	
1					ES I				Connector Type	1	NS10FW-CS
手			ſ				ا ا	<u></u>	qĮ		
¥.	7 6 6 4 - 10 0 4	Connector No.	I	152			4 5 6	6	季		
	ų,	Connector Name		WIRE TO WIRE				ī	Ü		1 0 1
		Consoctor	Т	THE PROPERTY.)] °
		COILLIECTO	1	UZ+LAN-INU		, 0					01 0 7 0 6
		Œ			lermina No		Signal Name [Specification]	cification]			
Terminal Color Of		A STATE OF THE PARTY OF THE PAR			-	GR S	- (Without automatic back door	ir hack doorl			
	Signal Name [Specification]	ES.		╢		5 >	- [With automatic back door]	hack doorl	Termina	Color Of	
$^{+}$				12 11 10 9 8 7 6 5 4 3 2 1	2				No		Signal Name [Specification]
2 W				24 23 22 21 20 19 18 17 16 15 14 13	9	BR	- [With automatic back door]	back door]	-	>	CLOSE
H					8	9	- [Without automatic back door	ic back door]	2	U	HARF
L					S	SB			m	91	罕
7 6					9	8			4	>	CLOSE
8								1	25	~	OPEN
Н									9	а	OPEN SW
H									7	8	DR LOCK STATUS

JRKWF5455GB

Α

Р

Sgral Name [Specification]	В
WITHOUSE WITHOUSE	C D
Connector Name Connector Name Connector Type Conn	Е
Signal Name Specificat Signal Name Specificat Signal Name Specificat	F
Connector Name Wish	G H
R LOCK ASSEWBLY	I
Color Of Wire Wir	J DLK
	L
Name [5] 1 2 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	M
DOOR LOCK SYSTEM	N
JRKWF54560	GB

DLK-135 Revision: October 2015 2016 Quest

DOOR LO	DOOR LOCK SYSTEM Connector No. E105	Н	W/R		Connector No.	E123	Connector No. E341
Connector Name	WIRE TO WIRE	99	A >		Connector Name	JOINT CONNECTOR-E04	Connector Name HORN (HIGH)
Connector Type	TH70MW-CS10-M3	69	- &		Connector Type	TK04FW-J	Connector Type P01FB-A
		71	R		E		•
		73	R ≻		H.S.		S.
	1113 ³	Н	SB			UI 4 3 5 1 U	<u>-</u>
		77	× 0				
	ı	78	, 0				
Terminal Color Of No. Wire	Of Signal Name [Specification]	81	w _		Terminal Color Of	Signal Name [Specification]	Terminal Color Of Signal Name [Specification]
SHIELD	- 01	Н	91		H		H
>		83	w.	,	_		
20 00					E 4		Connector No. E343
97		Connector No.	E122				١,
~ ;		Connector Name		JOINT CONNECTOR-E03	-		Т
¥ >		Connector Tune	TVOADA	1 700		£339	Connector Type PU1F6-A
- E		14 10000000	1		Connector Name	WIRE TO WIRE	
>		1			Connector Type	NS12FBR-CS	
0		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			4		
>		6		0 4 3 2 1 0	·		3
1					SI.	F 4 1 2 2 4	
- 8						11 10 9 8	
>							lan
BR		leu	Color Of	Signal Name (Specification)			
g		No.	Wire		- 1		1 6
> 0		1			Terminal Color Of	Signal Name [Specification]	
1		3 6	. _		t		Connector No. F23
97		4	, _	,	2 0		
0					3 P		
۵					6 BR		Connector Type RH40FB-RZ8-L-RH
g :					+		
>					+] []
- H					9 SB		35 37 38 39 40 47
Ø					╀		22 23
80					H		2 2 2
0							
>							
SHIELD							
9							
W/L							

JRKWF5457GB

1 58 Connector Name Connector Na	INS FUSE BLOCK (J/B) NS13EW-CS	14		- [with automatic brive positioner]
14 P Connector Name Connector Na	USE BLOCK (J/B)	15		
16 P Connector Type	C12EW-CS		d	•
Connector No. Mis Connector Name FUSE BLOCK (J/R)		31	Я	
Connector No. Mis Connector No. Mis Connector Name Fuse Block (J/B) Connector Type Cso67W-M2 Connector Type Cso67W-M2 Connector Type Cso67W-M3 Connector Type Cso67W-M3 Connector Type Cso67W-M3 Cso67W-		32	91	
Connector Name FLOSE BLOCK (J/B)		37	BR	 [With automatic drive positioner]
Connector Name FUSE BLOCK (J/B) Connector Type CSO6FW-M2 SA SA SA SA SA SA SA S		37	Α	 [Without automatic drive positioner]
Connector Type Conn		38	œ	
Connector Type CSO6FW-MZ	120 110 100 9C 8Q 7Q 6C	39	BE	- [Without automatic drive positioner]
SENSOR		39	>	- [With automatic drive positioner]
Comparison Com		07	۵	
Terminal Color Of		41	-	
A A A A A A A A A A		;	,	
SERSOR	Signal Name [Specification]	74	,	
RA 7A 6A 6A 4A 110		43	>	
11C 12C		45	۵	
12C		46	^	
Terminal Color Of Gienal Name (Conerification) 7C		47	æ	
Terminal Color Of Signal Name (Snertfination) 7C		9	ų,	
erminal Color Of Sional Name (Snacification) /C		ĵ i	,	
		75	5	
ID VALVE No. Wire		25	3	
TORQUE CONVERTER CLUTCH SOLENOID VALVE 1A Y		23	8	
SOI ENOTE NATURE		5	ł	
SOUTH OF WENT		1	+	
SLENOID VALVE 3A L .		22	-	
4A GR - Connector No.	M11	29	SHIELD	
		61	۵	
Connector Name	WIRE TO WIRE	5	-	
6A R		62	*	
BATTERY POWER SUPPLY 7A GR - Connector Type TH	TH70FW-CS10-M3	9	8	
		8.0	;	
od L		ŧ	È	
IGNITION POWER SUPPLY	7	99	≥	i
	d	19	RR	
ſ	H	3	ś	
Connector No. M7		69	Ь	
VOLUME AND A STATE OF THE STATE	1	71	~	
aupa ionaliion	F	77	-	
DATA LINK CONNECTOR	П	1		
connector Type		2	2	
BD16FW		74	>	
Treminal Color Of		2,5	,	
	Signal Name [Specification]	0	-	
		9/	>	
2		7.2	٥	
			-	
7		78	æ	
		G	>	
		3		
4 4		81	>	
		60	-	
		3	,	
Terminal Color Of Gianal Manue (Canadians) 7 R		83	œ	
No. Wire				
. 48 W				
W 12				
BR :				
	- fWithout automatic drive positioner			
. 88 R/L	 [With automatic drive positioner] 			
. 98 GR 13 G	 [Without automatic drive positioner] 			
	(Automorphic automorphic)			

DLK

J

Α

В

С

D

Е

F

G

Н

L

M

Ν

0

JRKWF5458GB

13 G .	ŀ	0 10	35	. S4 W	. 8 8 · · ·) WIRE	W-CS15 Connector No. M22		Connector Name WIRE ID WIRE	Connector Type TH16FW-NH		14 17 18 18 28 18 28 28 28 28 28 28 28 28 28 28 28 28 28	<u></u>	11	7 6 4 6 7	[16]15]14[13]12[11]10] 9	olgnal Name (opecification)		[] Terminal O	No. Wire	- [With auto A/C] 1 G	- [With manual A/C] 2 W -	. 9 8	. д 4		. 7 8€	- [Without BOSE system] 8 Y -	- [With BOSE system] 9 P	. 10 R	. 11 GR	. 12 GR	. 13 Р	┪	S	. 16 W .												
MILE TO WRIET THE WRIET TO WRIET TO WRIET TO WRIET TO WRIET TO WRIET TO WRIET THE WRIET TO WRIET TO WRIET TO WRIET TO WRIET TO WRIET TO WRIET THE WRIET TO	3	A 0	0			me WIRE TO WIRE	De TH40MW-CS15	1			1 2 3	273823				olor Of	Wire	8	1	٨	GR	16	>	SB	>	1	8	91	9	Ь	В	91	œ	В	W	HIELD	8	W	97	W	а	>	8		GR GR	R 98	R H &
12 C C	2	t L	ŝ		Connector Nc	Connector Na	Connector Tv		Œ		\$					Terminal C.		7	80	8	6	6	10	11	12	14	15	15	16	17	18	19	2.1	22	23		25	26	36	37	38	39	40	,,	7	47	43 42 41
MIS MIS			- [Without BOSE system]	- [With BOSE system]	- [With BOSE system]	- [Without BOSE system]																													- [With around view monitor]	- [Without around view monitor]	- [Without around view monitor]	- [With around view monitor]			- [Without automatic drive positioner]	- [With automatic drive positioner]	- [With automatic drive positioner]	- [Without automatic drive positioner]		- [Without automatic drive positioner]	- [Without automatic drive positioner] - [With automatic drive positioner]
NEOSEW.CS Signal Name [Specification]	ŀ	+	+	Н	+	+	+	╀	H	┞	┝	H	H	H	┞	H	L	H	Н	Н	Н	H	L	H	┞	H	\vdash	H	H	H	_	Н	\dashv	-		Н	Н	Н	Н	Н	H	H	╀	3	_	+	+
NYSOBYW.C3 Signal Name NYSOBYW.C3 NY	Ş	12	14	14	15	15	17	18	19	20	21	22	23	24	25	79	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	45	43	44	45	45	46	46	47	48	49	49	20	20	-	51 2	51
Name	K SYSTEM	MIZ	WIRE TO WIRE	NS08FW-CS			П	7 6 5								- [Without automatic drive positioner]	- [With automatic drive positioner]								M18	DOWN OT DOWN	WINE IO WINE	TH40MW-CS15			7 8 0 10 11 12 12 13	(1813) (1814) (1814) (1814) (1814) (1814) (1814) (1814) (1814)	क्षां क्षा क्षा क्षा का बहुद हुन					figuration and a second							-		
DOODR LI Connector Type Connector Type Connector No.	\approx 1	П	ae M	ad,								olor Of	Wire	۵	>	8	۵	-	٦	٨	SB	ŋ			No.	omely	alle	lype									Color Of	Wire	80	æ	×	>	SB		2	2 >	2 > -

JRKWF5459GB

Α

В

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

Р

\mathbb{H}			September Sept	
Connector No. M39 Connector Name CRCUIT BREAKER	Connector Type M02FW-P-LC	H.S.	Connector No. Copr. Of Signal Name [Specification]	
B ILLUMINATION CONTROL SIGNAL INVEncent automati	19 19 19 19 19 19 19 19	B SELECT SWITCH R SELECT SWITCH W ILLUMENTON CON-	14 G C Author/Processor Benchment College Co	
DOOR LOCK SYSTEM Connector No. M28 Connector Name WIRETO WIRE	П	7 6 5 4 3 2 1 7 16 15 14 13 12 11 10 9 8	Connector Number Signal Name Specification	
				JRKWF5460GB

Revision: October 2015 DLK-139 2016 Quest

	,	 [Without automatic drive positioner] 	- [With automatic drive positioner]	- [Without automatic drive positioner]	- [With automatic drive positioner]											M121	BCM (BODY CONTROL MODULE)	TH40FB-NH				21 23 25 27 28 29 30 31 32 33 34 35 38 37 38 39 40			f Signal Name [Specification]	REAR WINDOW DEF RELAY CONT	COMBI SW INPUT 5	COMBI SW INPUT 4	COMBI SW INPUTS	COMBI SW INPUT 1	KEY CYL UNLOCK SW	PW SW COMM [With automatic slide door]	KEY CYL LOCK SW [Without automatic slide door]	STOP LAMP SW 1	DOOR LK & UNLK SW LOCK	DOOR LK & UNLK SW UNLOCK	OPTICAL SENS	REAR WINDOW DEF SW	SENS DIMMER	RECEIV/SENS GND	NATS ANT AMP.	SECURITY IND CONT	NATS ANT AMP.
-	-	G	٨	U	>	>	9	9	>	۵	۵	Ь	Ь	Ь		or No.	Connector Name	Connector Type							al Color Of	3	æ	ŋ	# c	*	*	GR	>	GR.	8	¥ .	-	≥ :	- 0	~	GR	*	۵
	20	21	21	22	22	23	25	56	27	53	30	31	32	33		Connector No.	Connect	Connect	4	F	H.				Terminal	į.	2	е	4 0	9	7	∞	∞	6	12	13	14	15	17	18	21	23	25
						- [Without automatic drive positioner]	- [With automatic drive positioner]	- [Without automatic drive positioner]	- [With automatic drive positioner]											M107	JOINT CONNECTOR-M14	BJ30FW		H1110918716151431211	22 21 20 19 18 17 16 15 14 13 12	- 33 32 31 30 29 28 27 26 25 24 23 F			Signal Name [Specification]														
	~	>	٨	>	>	g	>	9	>	GR	GR	>	>	>	8 H	83	SB 38											Ī	Color Of Wire	æ	Я	æ	0	0	0	۵ ،	٠,	0 ;	- >	. >-	80	В	8
	15	17	18	19	20	21	2.1	22	22	23	25	56	27	28	30	31	33			Connector No.	Connector Name	Connector Type	Q.	事	Ċ				Terminal No.	2	3	4	9	7		6 5	9	11 5	13	14	15	16	17
ŀ		6 R	7 6				Connector No. M105	Contract of Property Associates And Property		Connector Type RK02FL							Terminal Color Of	No. Wire Signal Name (Specification)	1 GR .	2 8 .		Connector No. M106	Connector Name JOINT CONNECTOR-M15	Connector Type BJ30FW	Æ	H11109876543211	200 Day bortons in The Halla ha	20 00 00			Terminal Color Of Signal Name (Specification)	No. Wire	1 8	2 B .	8 8	,		+	× 0	10 Y	11 Y .	12 R -	14 R
DOOR LOCK SYSTEM	5 BK	- 1 6	10 P .	11 W -	12 R		14 W	15 6	L			Connector No. M91	Connector Name SELECTIVE LINI OCK RELAY		Connector Type MS03FB-M2-LC		ς.		2 4 1		Terminal Color Of	No. Wire Signal Name [Specification]	1 P			-		Connector No. M101	Connector Name PUSH-BUTTON IGNITION SWITCH	Connector Type TK08FBR		10000000000000000000000000000000000000	竹		45678			30	No Wire Signal Name [Specification]	╁	2 B -	з р	4 V

JRKWF5461GB

BR -					SHIELD .				R108	ne REMOTE KEYLESS ENTRY RECEIVER	THE PROPERTY AND	٦		E	1	1 2 4			Color Of	Wire Signal Name [Specification]	BR BAT		LG GROUND																					
10	11	12	13	14	15 SH	16			Connector No.	Connector Name	E september	Connector Type	1		Ċ.				Terminal Col		1	2	4																					
PASS DOOR ANT+	PASS DOOR ANT-	REAR BMPR ANT+	REAR BMPR ANT-	ROOM ANT1+	ROOM ANT1-	ROOM ANT2+	ROOM ANT2-	LAGGAGE ROOM ANT+	LAGGAGE ROOM ANT-	PUSH-BTN IGN SW ILL PWR SPLY	LOCK IND	POSH-BINIGN SWILL GND	ACC RELAY CONT OUTPUT	STARTER RELAY CONT	IGN RELAY (IPDM E/R) CONT	IGN RELAY (F/B) CONT OUTPUT	PASS DOOR REQ SW	IGN PWR SPLY 2	CVT SHIET SELECT PAWR SPLY	STOP LAMP SW 2	BLWR RELAY CONT OUTPUT	ACCIND			OTTO O	WIRE TO WIRE	TH16MW-NH			1 2 2 4 5 6 7 8	7 0 0 4 0 7	9 10 11 12 13 14 13 16			Signal Name [Specification]			- [For Rear Display Unit without auto recirculation]	- [Except for Rear Display Unit without auto recirculation]					
SR	38	9	œ	GR	8	Μ	滋	GR.		٠ :	≥ 4	20 0	- 18	×	Ь	9	œ	æ (-	œ	0	æ		ſ		_									Color Of	Wire	91	8 4	>	97	91	-	BR	88
9	81	82	83	84	82	98	87	88	68	8	91	76	96	46	86	66	100	101	104	105	106	109		1		Connector Name	Connector Type	q[事	?					Terminal	No.	1 0	3 8	m	4	9	7	œ	ō
M123	STREET STREET STREET STREET	BCIN (BOD) CONTROL MODOLE)	FEA09FW-FHA6-SA			100000000000000000000000000000000000000	20	0/ 69 89 /9 99 69				Signal Name [Specification]	INT ROOM LAMP PWR SPLY	BAT	AIR BAG	PASS DOOR UNLK OUTPUT	TURN SIG LH OUTPUT	TURN SIG RH OUTPUT	INT ROOM LAMP CONT	CRANK REQ	ALL DOOR LOCK OUTPUT	DR DOOR UNLK OUTPUT	GROUND	PW PWR SPLY (IGN)	FW FWRSEU (BA1)			M124	BCM (BODY CONTROL MODULE)	TH40FW-NH				77 77 77 78 78 78 78 78 78 78 78 78 78 7	96 97 98 99 110 161 108 104 104				Signal Name [Specification]	ONINO	DR DOOR REQ SW	PUSH SW	DR DOOR ANT+	DR DOOR ANT-
r No.	Mosso	allipai	r Type				_				0-1-0		ď	>	0	SB	>	υ <u>;</u>	ξ α	>	>	9	8	، ر	-			ı No.	r Name	r Type	_			_				Terminal Color Of	Wire	9	g	>	8	Μ
CONDECTOR NO.	Connector Nome		Connector Type	_	B	Ę					A. Carrier	lermina No	299	57	28	59	9	19 0	79	64	9	99	- 63	89 8	20 62			Connector No.	Connector Name	Connector Type	[F	Ę	2				Termina	Ñ.	73	75	9/	78	79
	Г		Γ					2	1	Ī	2					DILE					46 47 41	53 54 55				vame (Specification)	BK DOOR SW	REAR WIPER STOP POSITION	SL DOOR RH SW	DOORSW	DOOR LH SW	AGE LAMP CONT	SELECT UNLK RELAY CONT	C DOOR REQ SW	DOOR OPEN	REAR WIPER OUTPUT	SL DOOR LH UNLK CONT							
A/C ON	BLOWER FAN ON	HAZARD SW	BK DOOR OPNR SW	DR DOOR UNLK SENS	COMBI SW OUTPUT 5	COMBI SW OUTPUT 4	COMBI SW OUTPUT 3	COMBI SW OUTPUT 2	COMBI SW OUTPUT 1	DETENTSW	RECEIVER COMM	CAN-H	TAILO		M122	GILIOOM IORTNOS YOORI MOR		FEA09FB-FHA6-SA				50 51				Signal Name		REAR WI	SL	JQ	I TS	TUGGAGE	SELECT	BACI	BK DOG	REAR W	SLDOOF							
O A/C ON	BR BLOWER FAN ON	P HAZARD SW	L BK DOOR OPNR SW	G DR DOOR UNLK SENS	R COMBLSW OUTPUT 5	W COMBI SW OUTPUT 4	COMBLSW	COMBI SW	COMBLSW		BE RECEIVER COM	CAN-H			Connector No. M122	Connector Name BCM (BODY CONTROL MO	Ī	Connector Type FEA09FB-FHA6-SA		Ļ	- 1				Ferminal Color Of	Wire Signal			R SL		IS SLI	9901 8	V SELECT				6 SLDOOF							

Α

В

С

D

Е

F

G

Н

J

DLK

L

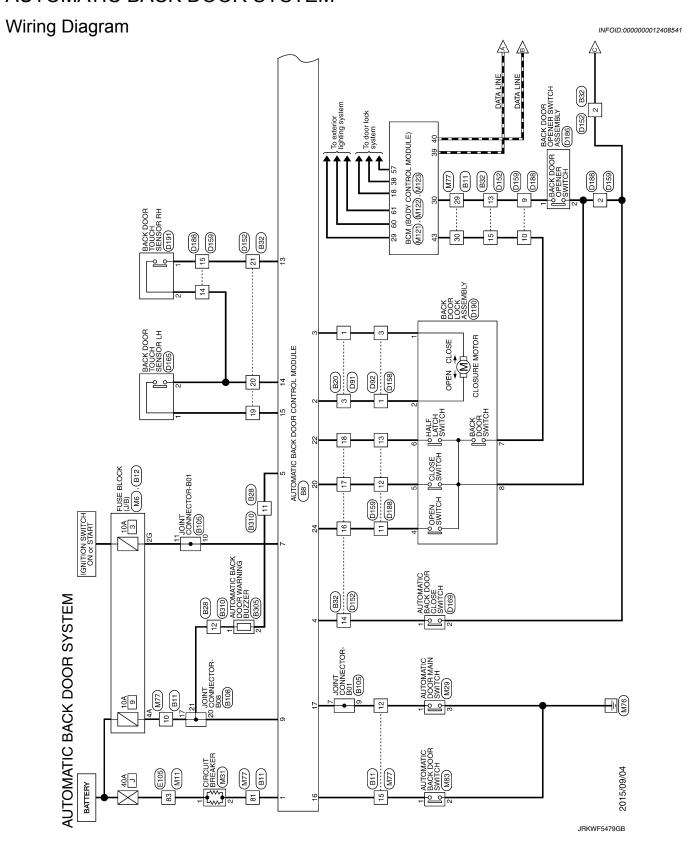
M

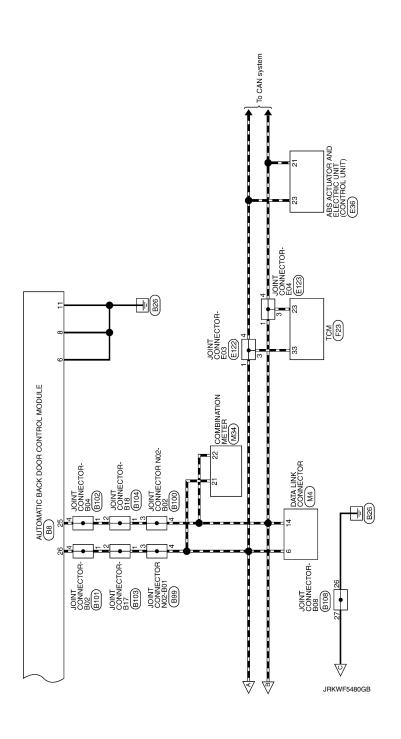
Ν

0

JRKWF5462GB

AUTOMATIC BACK DOOR SYSTEM





Α

В

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

78 16 . Taeminal Color Of	GR No.	1 L	81 SB - [Without automatic back door]	. 2 B	. 3 BR	89 G + Y	٠. ٠	91 LG		Т	Connector Name (LICE BLOCK 11/8)		Connector Type NS12FBR-C5		S #	S FGAG	5 5	1		Terminal Color Of Col	f Simal Nama (Gnacification) No. Wire	Wire	У	> 4	4 SMIELU	1 9 M		8 B/W	Н	\dashv	11 W	Connector Type M06MW-LC	ó		7		4 5 6				
Connector No. R11	Т	Connector Name WIRE TO WIRE	Connector Type TH80MW-CS19			1000			Torminal Color Of	Wire Signal Name [Specification]	10 GR -		- d		GR	» «	27 SHED	2	8	*			. 9		A 66					BR .				SHIELD	 	-	Н	Н	72 BR .	4	
AUTOMATIC BACK DOOR SYSTEM Connector No. 188	Т		Connector Type TH20FW-TB6			11 987654 3	262524 22 20 1716151413		Tominal Color Of	No. Wire Signal Name [Specification]	1 58 +8	LATCH	H	а	W		ANIONS 8	3 85		>		GR	_	9 4	× %	24 G OPENSW	a.	7													

JRKWF5481GB

Α

			_
Connector No. 8103 Connector Name JOINT CONNECTOR-817 CONNECTOR-917 TXG4FW-J TXG4FW-J TAS	Terminal Color Of Signal Name (Specification)	Color Of Signal Name Specification No. Wire	B C D
Stor No. 8101 COINT CONNECTOR-602 COURT Type TROATWAJ COURT TYPE TROATW	Color Of Signal Name (Specification) 1	Terminal Color Of Signal Name (Specification) 1	E F G
Connector No. 899 Connector Name IJONT CONNECTOR NOZ-801 Connector Type TKG4FW-J Connector Type TKG4FW-J M.S. Ul 4 3 2 U	Terminal Color Of Signal Name (Specification) No. Wire N	Terrnical Color Of Signal Name (Specification) No. Wire Specification) 3 B	H J
AUTOMATIC BACK DOOR SYSTEM Connector Name WIRSTO WIRE CONNECTOR THAINWAH 11 2 3 4 6 7 8 9 10 11 2 3 4 6 7 8 9 10 11 2 3 4 6 7 8 9 10 11 2 3 4 6 7 8 9 10 11 2 3 4 6 7 8 9 10 11 2 3 4 6 7 8 9 10 11 1 3 4 6 7 8 9 10 11 1 1 1 1 1 1 1	8	139 GR	L M
			JRKWF5482GB

Revision: October 2015 DLK-145 2016 Quest

AUTOMATI	AUTOMATIC BACK DOOR SYSTEM	ţ	5		,			Constitution	2003	г
- 1	8105	18	ž		ierminal	_	Signal Name [Specification]	Connector No.	760	_
Connector Name	JOINT CONNECTOR-801	19	ag gg		S	Wire		Connector Name	WIRE TO WIRE	
1	A12FB	21	g.		7	8		Connector Type	M06FW-LC	Т
l		22	GR	,	m	*		4		1
		57			4 4	SHIELD		在		
		25		,	9	, _		H.S.	3 0 1	
	12 11 10 9 8 7 6 5 4 3 2 1	56	8		_	>			- 2	
		27	8	,	00	80			+ 6 0	
		28	8		6	~				
		30	Μ		10	×				
Terminal Color Of	Compile Manuel Constitution	31	Μ		11	۵		Terminal Color Of	r Of	_
Wire	ognanivanie Jopecinicanorij	32	Μ		12	91		No. Wire		_
8								1 B/	B/W - [Without automatic back door]	_
8								1	/ - [With automatic back door]	
		Connector No.		B305	Connector No.	or No.	D91	2		_
GR	,	Connector Name		AUTOMATIC BACK DOOR WARNING BUZZER	Connect	Connector Name	WIRE TO WIRE	3	G - [With automatic back door]	_
ا ڀ			П					3	W - [Without automatic back door]	_
[ي		Connector Type	١	RK02FBR	Connect	Connector Type	M06FW-LC	2		_
		ģ			ģ			9	. в	_
ی		F		≪	厚					
ŋ		Ž			<u> </u>	_			-	Г
۵		į		2	1	9	3 2 1	Connector No.	D152	1
ا۔				Ē			6 5 4	Connector Name	WIRE TO WIRE	
. [)					T	_
								connector Type	IHZ4FW-NH	7
1	8108	Terminal	Color Of	(martine Disease) and the second	Terminal	al Color Of	(majoranja majoranja je majoranja	43		
Connector Name	OINT CONNECTOR BOS	No.	Wire	ognal Name (opermeation)	No.	Wire	ognanivanie (specification)	, E		
		1	91		1	ŋ	- [With automatic back door]	2	121110987654321	
ıI	BJ30FW	2	Ь		1	Μ	- [Without automatic back door]		23 22 21 20 19 18 17 16 15	
					2	80				
			1		m	8/«	- [Without automatic back door]			
	မ	Connector No.		B310	m	>	- [With automatic back door]		-	Г
	722 21 20 19 18 17 16 15 14 13 12 F	Connector Name		WIRE TO WIRE	4	> ,		le l	r Of Signal Name (Specification)	
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		7		2	~	•	No. Wire		_
	-0	Connector Type		TH16MW-NH	9	8		1	. SB	_
		ą						2		_
١		B						3		-1
Color Of	Signal Name (Sperification)	Ę						4		_
Wire	O'Bridge of the Colorest of th	Ż		l				. 2		
				1 2 3 4 5 6 7 8				9	. 91	
ı				9 10 11 12 13 14 15 16				IHS 6	SHIELD -	
ı				2 2				10 V		
9								11		
>								12	. 8	
>										_
ĺ								L		_
8								15		Г
1								4		1

JRKWF5483GB

Α

В

С

 D

Е

F

G

Н

J

DLK

L

M

Ν

0

Ρ

12 W	
Terminal Color Of Signal Name Specification 1 0 0 0 0 0 0 0 0 0	
Terminal Color Of Signal Name Specification	
17 10 10 11 12 12 13 14 15 15 15 15 15 15 15	
	JRKWF5484GB

Revision: October 2015 DLK-147 2016 Quest

Connector No. E172	١,	Т	Œ	H.S. 0041312110			leu	No. Wire	2 P	a. c	+		П	Connector Name TCM	Connector Type RH40FB-RZ8-L-RH	€	14/4W	30 45	2 4 5 6 7 41 42			Jer	No. Wire				BR/W	11 W/R SENSOR GROUND 12 V CVT ELLID TEMPERATURE SENSOR	. >	v/w SECONDA	LG PRIMARY P	d ;	24 BR INPULSPEED SENSOR	R/Y LINE PR		
u/m	W .		8 J	vs ≻	SB				R		, E122	me JOINT CONNECTOR-E03	De TK04FW-1	1			0 4 3 2 1 0			عالمة الأوا	Wire Signal Name [Specification]	. 1														
	Н	69	7.1	74	75	77	08	82	83	_	Connector No.	Connector Name	Connector Type		厚	SH				Torminal		1	2 "	4			_						_			T
2010	WIRETOWIRE	TH70MW-CS10-M3	1				of Signal Name [Specification]	-																					,							
Connector No	Connector Name	Connector Type	匮	HS.			nal	No. WIFE	2 W	e e	+	Н	5 > 0 0	10 BR	$^{+}$	12 0	+	15 P	Н	32 V	╁	Н	40 41	45 LG	H	\dashv	+	47 \	F	H	Н	54 0	SS Y	t	62 G	l
AUTOMATIC BACK DOOR SYSTEM	THATOR AND RECTRIC UNIT COMINOL LIMIT			ZD 25 22 21 20 19 16 14	13 12[11][0][0][1][0][1][1][1][1][1][1][1][1][1][1][1][1][1]		Signal Name [Specification]	VALVE BATTERY	RR LH WHEEL SENSOR SIGNAL	RR LH WHEEL SENSOR POWER SUPPLY	FR RH WHEEL SENSOR POWER SUPPLY	FR RH WHEEL SENSOR SIGNAL	FR I H WHEEL SENSOE SIGNAL	FR LH WHEEL SENSOR POWER SUPPLY	G SENSOR GND	RR RH WHEEL SENSOR POWER SUPPLY	GROUND	MOTOR BATTERY	STOP LAMP SWITCH SIGNAL	G SENSOR SIGNAL (+)	CAN-L	VDC OFF SWITCH SIGNAL	G SENSOR SIGNAL (-)	GROUND		•	•	•				•	•			•
AUTOMATIC	١,	Т		H.S.			E S	no. wire	2 Y	3 2	+	w :	> <u>S</u>	H	H	11 0	12 r 13 B	L	16 SB	30 4	+	22 BR	23 L	26 B	ł											

JRKWF5485GB

Α

Ρ

Connector No. M29 Connector Name AuthonAtto Doors MAIN SWITCH Connector Type Trosis Mane [Spedification] No. Wife Signal Name [Spedification] Terminal Coher of M21 Connector Name ClaCut BEAMER Connector Name Signal Name [Spedification] No. Wife Signal Name [Spedification] 2 L R	B C D
13 G - [Without automatic cirve positioner] 14 L - [With automatic cirve positioner] 15 R - [With automatic cirve positioner] 15 R - [With automatic cirve positioner] 15 R - [With automatic cirve positioner] 16 R - [With automatic cirve positioner] 17 W - [With automatic cirve positioner] 18 R - [With automatic cirve positioner] 19 R - [With automatic cirve positioner] 10 R R - [With automatic cirve positioner]	F
Connector No. M6	H J DLK
AUTOMATIC BACK DOOR SYSTEM 35 1/6 PINIMARY SEED SERGOR 38 1/8 100 PINIMARY SEED SERGOR 39 1/10 100 PINIMARY SEED SERGOR 30 1/10 100 PINIMARY SEED SERGOR 41 8 0 CONTROLL CONCRETE SOLUCINO VALVE 42 16 BATTER POWER SUPPLY 43 1/6 BATTER POWER SUPPLY 44 7 1 CONTROLL CONCRETION CONTROLL POWER SUPPLY 45 1/6 BATTER POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1 CONTROLL POWER SUPPLY 48 7 1 CONTROLL POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 0 CONTROLL POWER SUPPLY 41 1/4 1/6 CONTROLL POWER SUPPLY 42 1/6 BATTER POWER SUPPLY 43 0 CONTROLL POWER SUPPLY 44 1 CONTROLL POWER SUPPLY 45 0 CONTROLL POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1 CONTROLL POWER SUPPLY 48 1/6 BATTER POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 41 1/6 BATTER POWER SUPPLY 42 1/6 BATTER POWER SUPPLY 43 0 CONTROLL POWER SUPPLY 44 1/6 BATTER POWER SUPPLY 45 1/6 BATTER POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1 CONTROLL POWER SUPPLY 48 1/6 BATTER POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 41 1/6 BATTER POWER SUPPLY 42 1/6 BATTER POWER SUPPLY 43 1/6 BATTER POWER SUPPLY 44 1/6 BATTER POWER SUPPLY 45 1/6 BATTER POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1/6 BATTER POWER SUPPLY 48 1/6 BATTER POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 41 1/6 BATTER POWER SUPPLY 42 1/6 BATTER POWER SUPPLY 43 1/6 BATTER POWER SUPPLY 44 1/6 BATTER POWER SUPPLY 45 1/6 BATTER POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1/6 BATTER POWER SUPPLY 48 1/6 BATTER POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 41 1/6 BATTER POWER SUPPLY 42 1/6 BATTER POWER SUPPLY 43 1/6 BATTER POWER SUPPLY 44 1/6 BATTER POWER SUPPLY 45 1/6 BATTER POWER SUPPLY 46 1/6 BATTER POWER SUPPLY 47 1/6 BATTER POWER SUPPLY 48 1/6 BATTER POWER SUPPLY 49 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPLY 40 1/6 BATTER POWER SUPPL	L M
JRKWF5486GB	0

DLK-149 Revision: October 2015 2016 Quest

AUŢ	JMAT.	AUTOMATIC BACK DOOR SYSTEM		ŀ							
Connector No.	or No.	M34	31	SB	VEHICLE SPEED SIGNAL (8-PULSE)	67	8		Connector No.	. M121	
Connect	Connector Name	COMBINATION METER	32	٥ ٥	OVERDRIVE CONTROL SWITCH SIGNAL FUEL LEVEL SENSOR SIGNAL	89 69	W		Connector Name		BCM (BODY CONTROL MODULE)
Connector Type	r Type	TH40FW-NH	35	-	STATELY DUDGE SWITCH SYSTAL (DRIVER SID) (Websel a zorrafic etwa parelione)	02	8		Connector Type	De TH40FB-NH	
			35	Ь	55AT BBLT BUCKLE SMTCH SIGNAL IDRINER SIDG [With automatic drive positioner]	7.1	W		4		
厚			36	BR	PASSENGER SEAT BELT WARNING SIGNAL	72	g		F		
#ES						74	g 6		ES.		
		1 2 3 4 5 8 10 11 12 13 14 15 18 18 19 20	Conne	Connector No.	M77	5 12	>			1 2 3 4 5	27 28 29 12 13 14 15 16 17 18 27 28 29 28 31 52 53 34 55 36 37 38 39 40
						78	· «				
			Conne	Connector Name	WIRE IO WIRE	79	×				
			Conne	Connector Type	TH80FW-CS19	80	9				
Terminal	I Color Of	f Signal Name [Specification]	Œ			81	l W		Terminal	Color Of S	Signal Name [Specification]
1	0	BATTERY POWER SUPPLY [With automatic drive positioner]	F			87	>		t		REAR WINDOW DEF RELAY CONT
٦	۵	BATTERY POWER SUPPLY [Without automatic drive positioner]	₹	Σ S		88	91		2	L	COMBI SW INPUT 5
2	ø	IGNITION SIGNAL [Without automatic drive positioner]				68	GR		8	9	COMBI SW INPUT 4
2	>	IGNITION SIGNAL [With automatic drive positioner]				06	В	- [With automatic drive positioner]	4	BE	COMBI SW INPUT 3
9	8	GROUND)]	06	٨	- [Without automatic drive positioner]	2	9	COMBI SW INPUT 2
4	8	GROUND				91	91		9	w	COMBI SW INPUT 1
'n	80	ILLUMINATION CONTROL SIGNAL [Without automatic drive positioner]	Terminal	inal Color Of	Complete Street County	95	BR		7	×	KEY CYL UNLOCK SW
2	d/8	ILLUMINATION CONTROL SIGNAL [With automatic drive positioner]	No.	Wire	official reality (openingation)				80	GR PW SW C	PW SW COMM [With automatic slide door]
∞	9	TRIP RESET SWITCH SIGNAL [Without automatic drive positioner]	10	۵					00	Y KEY CYL LOC	KEY CYL LOCK SW [Without automatic slide door]
∞	88	TRIP RESET SWITCH SIGNAL [With automatic drive positioner]	12	*		Connector No.	r No.	M83	6	GR	STOP LAMP SW 1
10	۵	METER CONTROL SWITCH GROUND	13	>		į		TOTAL SOCIAL STATE OF THE STATE	12		DOOR LK & UNLK SW LOCK
11	U	ENTER SWITCH SIGNAL	15	~		COULECTOF NAME	INdine	AUTOMIATIC BACK DOOR SWITCH	13	BR DC	DOOR LK & UNLK SW UNLOCK
12	BR	SELECT SWITCH SIGNAL [With automatic drive positioner]	50	W		Connector Type	r Type	TH08FGY-NH	14	7	OPTICAL SENS
12	æ	SELECT SWITCH SIGNAL [Without automatic drive positioner]	30	а.		4			15	W	REAR WINDOW DEF SW
13	Λ	ILLUNMATION CONTROL SWITCH SIGNAL [4] [Mithaus automatic drive presidoner]	31	38 ·		ß			16	Α.	DIMMER
13	>	[LEADING SOUTH STATE OF STATE OF [With authoristic drive positioner)]	37	SHIEFD .		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		K	17	0	SENS PWR SPLY
14	9	ILLUMBRATHON CONTROL SMITCH SIGNAL (-) [Without automatic stoke positioner]	38	8	- [Without around view monitor]	ė.		7	18	R	RECEIV/SENS GND
14	^	LELUMINATION CONTROL SWITCH SIGNAL (-) PARTH automatic drive positional	38	W	- [With around view monitor]			- -	21	GR	NATS ANT AMP.
15	BR	AIR BAG SIGNAL	39	8	- [With around view monitor]				23	W	SECURITY IND CONT
16	٦	ENGINE COOLANT TEMPERATURE SIGNAL	39	W	- [Without around view monitor]				25	Ь	NATS ANT AMP.
18	1	AMBIENT SENSOR SIGNAL [Without automatic drive positioner]	40	ж -					27	0	A/C ON
18	97	AMBIENT SENSOR SIGNAL [With automatic drive positioner]	51	91		Terminal	Color Of	Committee (Committee)	28	BR	BLOWER FAN ON
19	ď	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL	52	8		No.	Wire	orginal ivaline (observingation)	53	Ь	HAZARD SW
20	9	AMBIENT SENSOR GROUND [Without automatic drive positioner]	53	3E		1	В		30		BK DOOR OPNR SW
20	*	AMBIENT SENSOR GROUND [With automatic drive positioner]	24	Ь		2	8		31	9	DR DOOR UNLK SENS
21	7	CAN-H	22	1		e	Ь		32	~	COMBI SW OUTPUT 5
77	۵	CAN-L	57	≻		4	GR		33	W	COMBI SW OUTPUT 4
23	В	GROUND	28	_					34	۵	COMBI SW OUTPUT 3
24		FUEL LEVEL SENSOR GROUND	29	*					32	GR.	COMBI SW OUTPUT 2
22	BR	ALTERNATOR SIGNAL [With automatic drive positioner]	9	9					36	~	COMBI SW OUTPUT 1
25	>	ALTERNATOR SIGNAL [Without automatic drive positioner]	61	91					37	o	DETENT SW
56	BR	PARKING BRAKE SWITCH SIGNAL	62	SB					38	98	RECEIVER COMM
27	38	BRAKE FLUID LEVEL SWITCH SHINKL [Without automatic drive poultioner]	63	. BE					39	_	CAN-H
27	>	BRAXE FLUID LEVEL SWITCH SIGNAL [With automatic drive positioner]	64	æ					40	Ь	CAN-L
28	>	SECURITY SIGNAL	9	Н							
53	9	WASHER LEVEL SWITCH SIGNAL	99	SHIELD							

JRKWF5487GB

CRANK REQ	ALL DOOR LOCK OUTPUT	DR DOOR UNLK OUTPUT	GROUND	PW PWR SPLY (IGN)	PW PWR SPLY (BAT)	BAT
*	>	9	В	ı	Ь	_
64	65	99	- 67	89	69	70

Signal Name [Specification]	BK DOOR SW	REAR WIPER STOP POSITION	PASS DOOR SW	SL DOOR RH SW	DR DOOR SW	SL DOOR LH SW	LUGGAGE LAMP CONT	SELECT UNLK RELAY CONT	BACK DOOR REQ SW	BK DOOR OPEN	REAR WIPER OUTPUT	SL DOOR LH UNLK CONT
Color Of Wire	Ь	GR	W	В	9	BE	8	۸	9	BR	ď	9
Terminal No.	43	44	45	46	47	48	49	20	51	53	54	55

	OL MODULE)		59 60 61 62 63 64 67 68 69 70
M123	BCM (BODY CONTROL MODULE)	FEA09FW-FHA6-SA	56 57 58 65 66
Connector No.	Connector Name	Connector Type	母 H.S.

Signal Name [Specification]	INT ROOM LAMP PWR SPLY	BAT	AIR BAG	PASS DOOR UNLK OUTPUT	TURN SIG LH OUTPUT	TURN SIG RH OUTPUT	STEP LAMP CONT	INT ROOM LAMP CONT
Color Of Wire	Ь	٨	0	SB	۸	9	W	В
Terminal No.	95	25	85	65	09	19	62	63

Α

В

С

D

Е

F

G

Н

J

DLK

L

 \mathbb{N}

Ν

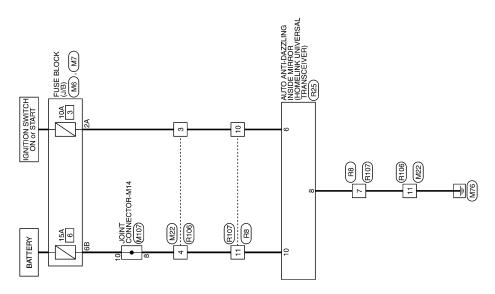
0

JRKWF5488GB

Р

INTEGRATED HOMELINK TRANSMITTER SYSTEM

Wiring Diagram



INTEGRATED HOMELINK TRANSMITTER

KWF5489GB 2015/09/04

INTEGRATED HOMELINK TRANSMITTER SYSTEM

ŀ	A > 0	╁		Connector No Dag	Т	Connector Name AUTO ANTI-DAZZLING INSIDE MIRROR	Connector Type TH10FB.NH	1	4	であり	1	_		10 8 6	- Company			ja ja	No. Wire	۸ 9	α α	ł	1		ſ	Т	Connector Name WIRE TO WIRE	1	Connector Type TH16MW-NH	4			1 0	1234567	9 10 11 12 13 14 15 16			30 - 100 101 101		t	4 6	7 6	Ť	. 9	+	2) 0	+	8 BR	L	╀	. Page 1	11 B	
	0 0	-	H	11 0	13 ×	14 Y	- 8	15 B	+	T/ B		21 G - [Without automatic drive positioner]	21 Y - [With automatic drive positioner]	9	, ,	-	+	25 1.6		27 V	29 pc	30 6	+	+	32 7			-	Connector No. R8	Connector Name WIRE TO WIRE		Connector Type TH12FW-NH	1		F	Ē	654321	12 11 10 9 8 7			Tomoran Colos Of		t	2 8	v 00	BK/K	4	4 R - [With auto A/C]	R/L	ď	+	. 0 8	
	Т	Connector Name WIRE TO WIRE	Connector Type TH16FW-NH	Œ	T A STATE OF THE S		8 7 6 5 4 3 2	15 14 13 12 11				Terminal Color Of Signal Mana (Specification)	No. Wire Jeffin Marine [Specification]	t		: ,		4 P		7 8£	>		+	+	+	+	-	┪	£	16 W -			Connector No. M107	ı	Connector Name JOINT CONNECTOR-M14	Connector Time B1305W		₫		S	22 21 20 19 18 17 16 15 14 13 12	R 33 32 31 30 29 28 27 26 25 24 23 F			0-106	ja E	e	2 R		: 2	۷ (. 0 9	
삔	П	Connector Name FUSE BLOCK (J/B)	Connector Type CS06FW-M2	Œ		3A		8A / Alon 3A 4A]			Terminal Color Of Circuit Name (Concretion)	Wire	┺	l	1	4	4A GR -	. v × × ×	6A R	L	88	1		ſ	- 1	Connector Name FUSE BLOCK (J/B)	- 1	Connector Type NS10FW-CS	4	B		4838	98 88 68 58				, O-1-0	No Wire Signal Name [Specification]	-	1	* 88	ı	1	-	4							

DLK

Α

В

 D

Е

F

G

Н

L

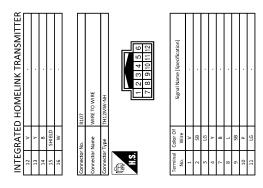
M

Ν

0

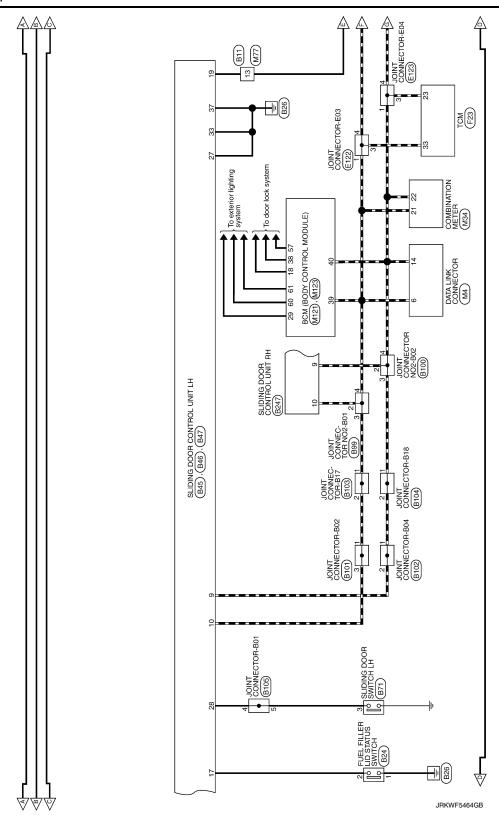
JRKWF5490GB

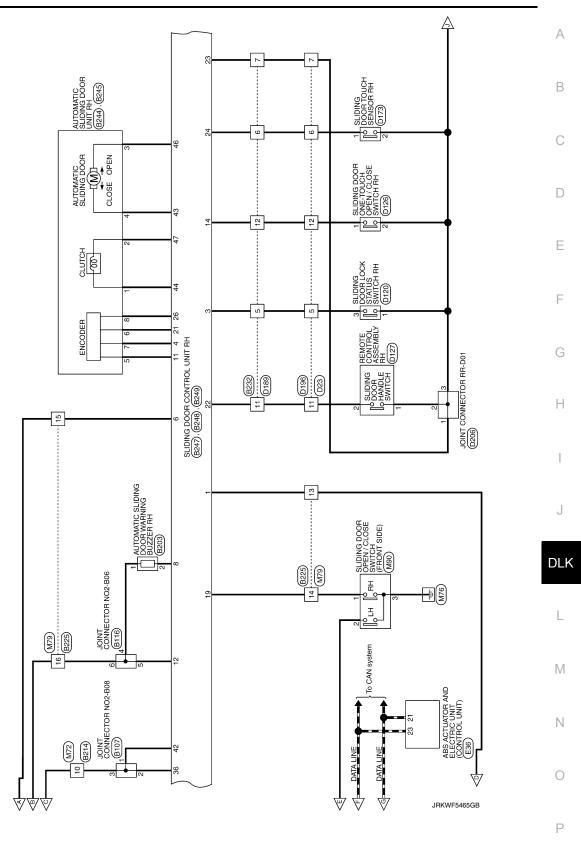
Р

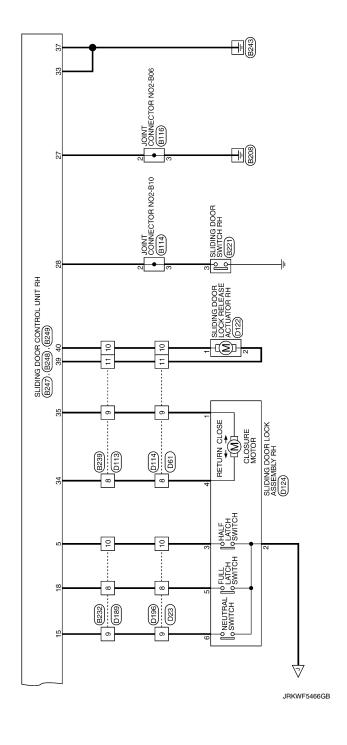


JRKWF5491GB

AUTOMATIC SLIDING DOOR SYSTEM Α Wiring Diagram INFOID:0000000012408543 AUTOMATIC SLIDING DOOR UNIT LH (B33), (B65) В С AUTOMATIC SLIDING DOOR RETURN CLOSE (M) CLOSURE MOTOR SLIDING DOOR LOCK ASSEMBLY LH (D123) D 0112 062 [E] Е 유 10 F FULL | o switch | o switch | o SLIDING DOOR CONTROL UNIT LH (B45), (B46); (B47) Н 9 FUSE BLOCK (J/B) (M6), (B12) J JOINT CONNECTOR-B01 (B105) [2] SLIDING DOOR LOCK STATUS SWITCH LH (D119) IGNITION SWITCH ON or START DLK 10A AUTOMATIC SLIDING DOOR SYSTEM L JOINT CONNECTOR RL-D01 (D205) 019§ B53 D194 M 1 (77M) 9 9 Ν JOINT CONNECTOR-B01 (B105) CIRCUIT BREAKER (M39) 0 B11 (M77) Ē105 **₩**41 BATTERY 2015/09/04 Р JRKWF5463GB







Α

Ρ

	JRKWF5467GB
AUTOMA Connector No. Connector Name Connector Type Connect	N
AUTOMATIC SLIDING DOOR SYSTEM Convector Name Wing To Wing Signal Name Signal Name Specification Signal Name Signal Name Specification Signal Name Signal Name Specification Signal Name Speci	L M
78 1.65 879 6.88 871 6.7 879 6.88 870 7 879 6.7 879 6.7 879 6.7 879 6.7 879 6.7 879 6.7 879 6.7 879 6.7 879 7 870	J
Signal Name (Specification)	I
Terminal Colo	Н
V V V V V V V V V V	G
Signal Name [Specification] -[Withboar BOSE system] -[With BOSE system] -[Withboar BOSE system] -[Wit	E F
Connector No. 817	D
Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Curriculpants Curriculpants MOTORIGIERS) MOTORIGIERS MOTORIGIERS MOTORIGIERS MOTORIGIERS MOTORIGIERS MOTORIGIERS MOTORIGIERS	С
Infeation]	В

Revision: October 2015 DLK-159 2016 Quest

AUT	OMAT	AUTOMATIC SLIDING DOOR SYSTEM						
Connector No.	tor No.	845	Conn	Connector No.	846	Connector No.	853	Connector No. B71
Connect	Connector Name	SLIDING DOOR CONTROL UNIT LH	Conn	Connector Name	SLIDING DOOR CONTROL UNIT LH	Connector Name	WIRE TO WIRE	Connector Name SLIDING DOOR SWITCH LH
Connect	tor Type	Connector Type TH32FW-NH	Conn	Connector Type	NS10FW-CS	Connector Type	TH12MW-NH	Connector Type TH04FW-NH
E SH	rá.	1 3 4 5 6 8 9 11 2 4 4 5 6 12 22 22 22 22 22 22 22 22 22 22 22 22	Œ.	S. S.	33 34 (35 36 37 38 40 42	ほ.S.	1 2 3 4 5 6 9 10 11 12	S.E.
Termina No.	Terminal Color Of No. Wire	5f Signal Name [Specification]	Termir No.	Terminal Color Of No. Wire	Signal Name [Specification]	Terminal Color Of No. Wire	Signal Name [Specification]	Terminal Color Of Signal Name [Specification]
1	9	MAINSW	33	3 B	GND POWER	5 R	•	3 GR -
٣	æ	KNOBLOCK	34	1 6	CLOSURE +(CLOSE)	9		
4	GR		32	\perp	CLOSURE(RET)	\dashv		-
2	_	HALF LATCH	36	۸ ۷	BAT	8		Connector No. 899
9	а	IGN	37	-	GND POWER	9 R	•	Connector Name JOINT CONNECTOR NO2-801
00	≥	BUZZER	39	9 6	RELEASE ACTR(-)	\dashv		T
6	а	CAN-L	40	λ 0	RELEASE ACTR(+)	\dashv		Connector Type TK04FW-J
10	1	CAN-H	42	2 V	BAT	12 GR		ú
11	Ь	ENCODER POWER						
12	GR							
14	H		Conn	Connector No.	847	Connector No.	865	H.S.
15	R	NEUTRAL SW	Jung	Connector Name	HI TINI I IOGENOO GOOD SWIGHTS	Connector Name	HITINII BOOG DNIGIIS SIEVMOTIIV	
17	GR		9	ector ivaline	SEIDING DOOR CONTROL ON! I LA	COLLIGEROUS INGLISE	ACTOMISTIC SCIDING DOOR ON! LH	
18	Μ	FULLSW	Conn	Connector Type	NS06FW-CS	Connector Type	TH04FW-NH	
19	Ь	DRIVER SW	[
21	9	B-SIGN	ß	•		B		Terminal Color Of Slans Name (Sperification)
22	W		_	٩		Ę	[No. Wire
23	8	SW GND	1	2	43 44	Ċ.	-{-	2 W .
24	9	TOUCH SENS			46 47		5 6 7 8	3 .
56	7	ENCODER GND						4 L
27	8	GD LOGIC						
28	GR							
			Termii No.	Ferminal Color Of No. Wire	Signal Name [Specification]	Terminal Color Of No. Wire	Signal Name [Specification]	
			43	3 R	OPEN	5 P		
			44	4	CLUTCH(-)	6 GR		
			46	4	CLOSE	2 G		
			4	7 SB	CLUTCH(+)	٦ 8		

JRKWF5468GB

Α

				$\overline{}$
008	Sedification	四面面包面		В
B107 NSORWETTOR NOZ-808 NSORFW-I	Sgnal Name [Specification] B108	Signal Name (Specification)		С
Connector No. Connector Type	Terminal Color Of No. Wire 1 V Y 2 V Y 3 N Y 5 B 6 GR Connector No. Connector Name Connector Name	Terminal Color Of No. Wite State of Sta		D
	eeffcation]	ceffcation)		Е
B104 JOHNT CONNECTOR B18 TEGREWA!	Signal Name (Specification)	Signal Name (Specification)		F
Connector No. 61 Connector Name 10 Connector Type 17	Terminal Color Of No. No. 1 P 2 2 P 2 2 P P 2 2 P P P 2 P P P P P	Terminal Color Of No. Wire No. Wire S.		G
	[cation]	[casion]		Н
19.02 JOHNT CONNECTOR 8:04 TKOAFWJ 1	Signal Name (Specification) BLO3 TROALFW-J	Signal Name [Specification]		J
Connector No. B102 Connector Name DOINT Connector Type TKO4FS	Terminal Color Of No. Wire 1 P P 3 P P 4 P P Connector No. B103 Connector No. B103 Connector Type TKO4FW.	No. Wire No. 2 L L 2 L L 3 L L		OL
			•	L
C.SLIDING DOOR SYS	Signal Name (Specification) Bitot TROATWAJ TROATWAJ	Signal Name [Specification]		M
TOMATIC	Color Of Wire B B B B P P P P P P P P P P P P P P P	Terminal Color Of No. Wire 2 1 1 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Ν
NA Common	Term Robert Comment Co	No. No. 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		0
			JRKWF5469GB	

Revision: October 2015 DLK-161 2016 Quest

	Connector No. B232	Connector Name WIRE TO WIRE	Connector Line	1	Œ		ľ		7 8 91011112			Terminal Color Of Signal Name [Specification]	7. D	ł	ł	ł	+	+	+	11 W ·	12 GR -			Connector No. B239	Connector Name W/IRE TO WIRE	П	Connector Type NS16MW-CS	4		123 1 4 5 6 7	8 9 10 11 12 13 14 15 16				Terminal Color Of Signal Name (Specification)	No. Wire Signal Name [Specification]	H	1 W - [With BOSE system]	7 B - [With ROSE system]		- >		> £	+	+	+	10 0	11 L .	
	Connector No. B221	Connector Name SLIDING DOOR SWITCH RH	Omerand Thought Mill		Œ.							Terminal Color Of Signal Name [Specification]	$^{+}$	┨		Connector No. R225	Τ	Connector Name WIRE TO WIRE	-	Connector Type TH16MW-NH				0 1 2 2 4 5 6 7 8	11 17 1	0 0 0 4 0 7 1 0	0]		lerminal color OT Signal Name [Specification]	t	H	4 P		- 1 6	10 P	11 SB	12 GR -	H	ł) -			1			_			
	Connector No. B203	Connector Name AUTOMATIC SLIDING DOOR WARNING BUZZER RH	Connector Type DVO3EDD	1	Œ	全	H.S.	<u> </u>)		Terminal Color Of Signal Name (Specification)	$^{+}$	- 0	$\frac{1}{1}$		Connector No Dodg	I	Connector Name WIRE TO WIRE		Connector Type NS12MBR-CS	¢				6 7 8 9 10 11 12			Terminal Color Of		t	2 L	4 BR	· × ×	· ^ 9	7 W	8	. 91 6	H	╀	2 8 8	+							
AUTOMATIC SLIDING DOOR SYSTEM	+	26 8	+	9 07	30 W	23	4		Connector No. B114	Connector Name JOINT CONNECTOR NO2-810	Т	Connector lype TK04FW-J	Œ	AHT.	T.S.	U 4 3 5 U					lei	alligation of the	2 GR .	3 GR .	4 GR .			CONTRECTOR NO. BILLD	Connector Name JOINT CONNECTOR NO2-806	Connector Type A06FW	L				6 5 4 3 2 1				Terminal Color Of	No. Wire Signal Name [Specification]	t	2 GR	$^{+}$	+	+		, , , , , , , , , , , , , , , , , , ,		

JRKWF5470GB

Α

Ρ

	7.
2 5 6 0 1 1 12 0 1 1 12 0 1 1 1 1 1 1 1 1 1 1	В
922 WIRE TO WIRE FILE TO WIRE F	С
Connector No. Connector No. Connector Name Color Of Na	D
IT RH	E
SUDING DOOR CONTROL UNIT RH NS10FW-CS TO 339 40 42 TO 329 40 64 Signal Name [Specification] GND DOWER CLOSUBER (CLOSE) CLOSUBER (CLOSE) Signal Name [Specification] OPEN CLOSUBER (CLOSE) Signal Name [Specification] OPEN CLOSE CLUTCH(+) CLUTCH(+)	F
Connector No. 6248 Connector Type (NS101) Connector Type (NS101) Terminal Color Of (No. 6) Termina	G
	Н
Signal Kame Specification	I
1 1432 FW/4 B	J
Commetter No. Commetter Name Comme	DLK
Signal Name (Specification) CSLIDING DOOR UNIT RH Signal Name (Specification) CSLIDING DOOR UNIT RH CSLIDING DOOR UNIT RH CUTCH(PRUM) MOTOR(RIEET) MOTOR(RIEET) MOTOR(RIEET) MOTOR(RIEET)	L
SLID	M
Terminal Color Of	N
	0
JRKWF5471GB	

DLK-163 Revision: October 2015 2016 Quest

11 V	8 2	Wire W W W W W W W W W W W W W W W W W W W	N E F	
11 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Terminal No.	No. 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Connector	<u> </u>
D112 WHE TO WHE NSIGNAW-CS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Signal Name [Specification]	DIIS WHE TO WHE	[
Connector No. Connector Name Connector Type	La Col	ctor No.	H.S. II.S. No Mire Miner	++++++
	Connector Name WIRETO WIRE Connector Type	Terminal Color Of Signal Name Specification No. Ww.e. Signal Name Specification S. Ww.e. S. Ww.e. S. Bis S. S. S. S. S. S. S. S		
AUTOMATIC SLIDING DOOR SYSTEM Convector Name Wife TO Wife Connector Type NSTEW/CS Connector Type NSTEW/CS T 6 5 4 1 2 1 1 1 1 9 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1	Signal Name (Specification) - [Without BOSE system] - (With BOSE system) - [With BOSE system] - [With BOSE system]		NSIFW-CS NSIFW-CS 7 6 5 4 3 2 1 1 16 15 14 13 12 11 10 9 8	Signal Name (Specification) - (Withous BOSE system) - (With BOSE system) - (With BOSE system) - (With BOSE system)
AUTOMATI Connector No. Connector Name Connector Type H.S.	Terminal Color Of No. Wire 1 L 1 W 2 B 2 R 5 V 6 P	6 P P SB BR BR 10 LG 11 BR 14 L L 15 CR Connector No.	Connector Name Connector Type	Terminal Color Of No. Wire 1 L 1 L 2 B 2 B 2 C 5 C 5 C 6 C 6 C

JRKWF5472GB

Α

Signal Name (Specification) Signal Name (Specification) Signal Name (Specification)	В
Connector No. Connector Name (Connector Type No. Wire No. Wire Connector Name Sign Terminal Color Of No. Wire Connector Name Sign Terminal Color Of No. Wire No. Wire No. No. Wire Sign Terminal Color Of No. No. No. No. No. No. No. No	D
	Е
Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	F
Connector No. D123	G
	Н
Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	I
SEVORTERY SEVORT	J
Connector No. Connector Name Connector Name Connector Name 1 LG 2 BR Connector Name Connector Name Connector Name Connector Name Connector Name Connector Name 2 BR 1 LG 2 BR 1 LG 2 BR 1 LG 2 BR	DL
Signal Name (Specification) Signal Name (Specification) Signal Name (Specification)	L
1.5.5(ID)	M
AUTOMATIC Terminal Color Of No. Connector Name Name Name Name Name Name Name Name	N
	0
	JRKWF5473GB

Revision: October 2015 DLK-165 2016 Quest

AUTOMATIC SLIDING DOOR SYSTEM							
Connector No. D127	Connector No.	D173	Connector No.	D194	Connector No.	D196	
Connector Name REMOTE CONTROL ASSEMBLY RH	Connector Name	SLIDING DOOR TOUCH SENSOR RH	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	
Connector Type TH04MW-NH	Connector Type	RH02MB	Connector Type	TH12FW-NH	Connector Type	TH12FW-NH	
H.S.	便 (S.H.		便 H.S.		便 H.S.	d	
21				11 10 4		11 10 9	
Terminal Color Of Signal Name [Specification] No. Wire	Terminal Color Of No. Wire	of Signal Name [Specification]	Terminal Color Of No. Wire	Signal Name [Specification]	Terminal Color Of No. Wire	Signal Name [Specification]	
Н	Н		H		H		
2 6	2 8		6 BR		6 BR		
			7 R		7 8 9		
Connector No. D172	Connector No.	D189	H		+		
HI BOSNES HOLDER DOUGH SENSOR I H	Connector Name	WIRE TO WIRE	10 Y		10 Y		
SEDING DOOR 1000	CONTRACTO NAME	WIRE IO WIRE	Н		H		
Connector Type RH02MB	Connector Type	TH12FW-NH	12 GR	-	12 GR		
1	1						
	1		Connector No.	D195	Connector No.	D205	
		5 4 3	Connector Name	WIRE TO WIRE	Connector Name	JOINT CONNECTOR RL-D01	
)		12 11 10 9 8 7	Connector Type	TH12FW-NH	Connector Type	TK04FW-J	
			Œ		#		
Terminal Color Of Signal Name (Specification)	Terminal Color Of	of Signal Name [Specification]	H.S.		H.S.		
+	+			6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		10 3 2 1 10	
2 B -	6 BR			12 11 10 3 8 7			
	\dashv						
	œ :						
	- D		2	Signal Name [Specification]		Signal Name [Specification]	
	10 Y		No. Wire		No. Wire		
	+		+		4 1		
	+		ł		9 8		
			000		$\frac{1}{1}$		
			+				
			+	-			
			+				
			12 GR				

JRKWF5474GB

. Connector No. [£1.23	Connector Name JOINT CONNECTOR-E04	Connector Type TK04FW-J	ব্			-11			Terminal Color Of		1 P	2 P		- d b			Т	Connector Name TCM	Constant Date District	1			JOINT CONNECTOR-E03	TKO4FW-J	/ 0 0 +		Torminal		t	0/9	5 P/L N_RANGE_SW		7 BR/W	W/R	V CVTFLUID	м	ν/ν	7		ug S	20 I/O SENSOR POWER	+	-	34 LG/R OUTPUT SPEED SENSOR
8	0 >	SHIELD	H	υ ×	╁	Н	+	= =	╁	eg.	Н	SB.	\mathbb{H}	Н	+	ω	+	2 4	1		Connector No.		Connector Name	Connector Type		_	H.S.	1)	Wire	1	_	_	_							
25	5.4	99	61	63	99	99	ا و	1 69	72	I _E	74	7.5	76	77	8/	80	5 8	82	8	_	Conne		Conie	Conne	ģ	厚	4	ļ	_		_	Terminal	.oN	1	2	e e	4	_		,				_
P CAN-L	BR VDC OFF SWITCH SIGNAL	G SEN	B GROUND		E105	e WIRE TO WIRE	Т	1				44 ×	1			or Of Signal Name (Specification)	Wire	SHIELD :			. 5		GR		BR -		0 33			GR		BR .	. 9				. 91	0 0	- S	gc a	,	388		
21	H	25	Н		Connector No.	Connector Name	Freedom	liector lype		Š	2				- 1-	le u	NO.	†	7 .	+	+	H	. 8	Н	\dashv	+	12 0	+	╀	t	32	H	38	\dashv	+	41	+	+	4.	+	+	51 43 R	+	52 (
	Ц —	 -	Ш I		Co	8	_[3	<u> </u>	Œ r	} \					[Ē.	1	<u>Т</u>	1	1		L	L		<u> </u>	_[_		L	L	L	L		П	_] 				Т Т		I	1 T	ľ	Т Т	
AUTOINIATIC SCIDING DOOK SYSTEIN	JOINT CONNECTOR RR-D01	TK04FW-J			[H 13 14 H	0				Signal Name [Specification]						E36	A6S ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)	THE SELECTION OF SELECT	AC2.2.2.10*A02.4*LT		П	91	12 11 10 9 8 7 6 5 4 3 2				Signal Name [Specification]	VALVE BATTERY	RR LH WHEEL SENSOR SIGNAL	RR LH WHEEL SENSOR POWER SUPPLY	G SENSOR POWER SUPPLY	FR RH WHEEL SENSOR POWER SUPPLY	FR RH WHEEL SENSOR SIGNAL	BRAKE FLUID LEVEL SWITCH SIGNAL	FR LH WHEEL SENSOE SIGNAL	FR LH WHEEL SENSOR POWER SUPPLY	G SENSOR GND	RR RH WHEEL SENSOR POWER SUPPLY	KK KH WHEEL SENSOE SIGNAL	UNIONE	STOP I AND SWITCH SIGNAL	G SENSOR SIGNAL (+)	G SENSOR SIGNAL (+)	IGN
AUTOMA!!	Connector Name	Connector Type			H.S.				Terminal Color Of	Wire	8	8	8			Connector No.	Connector Name	1	adk i in	•		H.S.	l				No Wire	t	>	-	4 6	H	M 9	\dashv	9 Fe	ا (+	+	17 b	+	9 8	19 >	+	20 GR

Α

В

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

JRKWF5475GB

Р

AUTOMATIC SCIDING DOOR SYSTEM							
	Connector No.	M6	13	9	 [Without automatic drive positioner] 	Connector No.	M29
r/w	Connector Name	FLISE BLOCK (1/B)	13	>	 [With automatic drive positioner] 	Connector Name	ALITOMATIC DOOR MAIN SWITCH
V/R TC	alle in the second	(35 DECCR (3/3)	14	1		allier or allier	
W/B SECONDARY PRES	Connector Type	CS06FW-M2	15	Ь		Connector Type	TK08FW
40 B/R PRIMARY PRESSURE SOLENOID VALVE	[31	В		[
8			32	91		12	
8			37	BR	- [With automatic drive positioner]	N. I.	
LG BATTER	Ź	3A [2A 1A	37	Μ	- [Without automatic drive positioner]	Ź	4
46 LG BATTERY POWER SUPPLY		84 7A 6A 5A 4A	38	æ			2 3
*		100	39	BE	- [Without automatic drive positioner]		
NOITINDI Y			39	>	- [With automatic drive positioner]		
			40	۵			
	Terminal Color Of)- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	41	_		Terminal Color Of	JC
Connector No. M4	No. Wire		45	9		No. Wire	
OCTURNOO VINI ATAC	1A Y		43	M		1 86	
	2A G		45	۵		2 GR	
Connector Type BD16FW	3A L		46	^		3	
	4A GR		47	×	·	4	
	> AS		49	9			
	6A R		51	9			
11 14 16	7A GR		25	Μ		Connector No.	M34
3 4 5 6 7 8	8A L		53	8			
			54	91		Connector Name	COMBINATION METER
			55	7		Connector Type	TH40FW-NH
	Connector No.	M11	99	SHIELD			
Terminal Color Of		La contraction of La contraction	61	R		E	
No. Wire signal name (specification)	connector ivame	WIRE IO WIRE	62	W		<u> </u>	
3 16	Connector Type	TH70FW-CS10-M3	63	8		ė.	1 2 3 4 5 8 10 1112 13 14 15 18 18 19 20
4 GR .			64	W			27 22 23 24 25 28 27 28 29 31 32 34 35 38
5 GR .	E	P	99	W			
. 1 9			29	BR			
7 R -	2		69	Ь			
			71	œ		Terminal Color Of	100
			72	_		No. Wire	
H			73	91		1 0	BATTERY POWER SUPPLY (With automatic drive positioner)
16 р			74	γ		1 P	BATTERY POWER SUPPLY [Without automatic drive positioner]
	Terminal Color Of	Of Signal Name (Specification)	75	٨		2 6	IGNITION SIGNAL [Without automatic drive positioner]
	No. Wire		26	۸		2 Y	IGNITION SIGNAL [With automatic drive positioner]
	1 SHIELD		77	Ь	-	3 B	GROUND
	2 W		78	BR		4 B	GROUND
	3		80	٨		2 B	ILLUMINATION CONTROL SIGNAL [Without automatic drive positionar]
	4 R		81	W		5 B/P	ILLUMINATION CONTROL SIGNAL [With automatic drive positioner]
	9		82	1		8	TRIP RESET SWITCH SIGNAL [Without automatic drive positioner]
	7 R		83	R		8 SB	TRIP RESET SWITCH SIGNAL [With automatic drive positioner]
	8					10 P	METER CONTROL SWITCH GROUND
	9 8					11 6	ENTER SWITCH SIGNAL
	10 R					12 BR	SELECT SWITCH SIGNAL [With automatic drive positioner]
	11 W					+	SELECT SWITCH SIGNAL [Without automatic drive positioner]
	12 L	- [Without automatic drive positioner]				1	ILLUMINATION CONTROL SWITCH SIGNAL [+) [Without automatic drive positioner]
	12 16	 [With automatic drive positioner] 				13 Y	ALLIMINATION CONTROL SWITCH SIGNAL (+) [With automatic drive positioner]

JRKWF5476GB

Α

Pecification Pecifi	В
WIRE TO WIRE THIS GWANN WIRE TO WIRE THIS GWANN Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	С
Connector No. Connector No.	D
w monitor we monitor we monitor we positioner The positioner	Е
- [Without around view monitor] - [Without around view monitor] - [Without around view monitor] - [Without automatic drive positioner] - [Without automatic drive positioner]	F
3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	G
	Н
Signal Name (Specification) Signal Name (Specification) Signal Name (Specification)	I
MY12 TO WINE T	J
Connector No. Connector No. Connector Name Connec	DL
IL CALIDING DOOD R SYSTEM LIGHT CONTROL CONTROL CONTROL CONTROL CONTROL AND REAL CONTROL CONTROL CONTROL CONTROL RANGEST STATES AND CONTROL CONTROL CONTROL CONTROL AND REAL CONTROL CONTROL CONTROL CONTROL CONTROL AND REAL CONTROL CONTROL CONTROL CONTROL CONTROL AND REAL CONTROL CONTROL AND REAL CONTROL CONTROL AND REAL CONTROL	L
C SLIDING DOOR SYSTEM CONTROLING TO THE PROPERTY CONTROL CONTROL CONTROL AND READ STATEMENT TO THE PROPERTY	IV
AUTOMATIC SELIDING DOOR SYSTEM AUTOMATIC SELIDING DOOR SYSTEM A	N
♥	C
	JRKWF5477GB

Revision: October 2015 DLK-169 2016 Quest

	M123	BCM (BODY CONTROL MODULE)	FEA09FW-FHA6-SA	5615715815916016162163164 65 66 67 68 69 70
	Connector No.	Connector Name	Connector Type	语.S.
AUTOMATIC SLIDING DOOR SYSTEM	M121	Connector Name BCM (BODY CONTROL MODULE)	TH40FB-NH	2 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
AUTOMATIC	Connector No.	Connector Name	Connector Type	图 H.S.

-	Terminal	Color Of	(
	No.	Wire	olginal ivalitie [opecialication]
ш	99	d	INT ROOM LAMP PWR SPLY
Ш	57	Å	BAT
ш	58	0	AIR BAG
Ш	89	8S	PASS DOOR UNLK OUTPUT
ш	9	۸	TURN SIG LH OUTPUT
	61	9	TURN SIG RH OUTPUT
Ш	62	M	STEP LAMP CONT
	63	В	INT ROOM LAMP CONT
Ш	64	M	CRANK REQ
Ш	65	۸	ALL DOOR LOCK OUTPUT
Ш	99	9	DR DOOR UNLK OUTPUT
ш	67	8	GROUND
	89	7	PW PWR SPLY (IGN)
ш	69	Ь	PW PWR SPLY (BAT)
_	70	7	BAT
l			

Terminal	Color Of	Signal Name [Specification]
NO.	wire	
1	>	REAR WINDOW DEF RELAY CONT
2	В	COMBI SW INPUT 5
3	9	COMBI SW INPUT 4
4	BE	COMBI SW INPUT 3
2	9	COMBI SW INPUT 2
9	W	COMBI SW INPUT 1
7	W	KEY CYL UNLOCK SW
8	85	PW SW COMM [With automatic slide door]
8	٨	KEY CYL LOCK SW [Without automatic slide door]
6	SR	STOP LAMP SW 1
12	GR	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
14	7	OPTICAL SENS
15	Μ	REAR WINDOW DEF SW
16	٨	DIMMER
17	0	SENS PWR SPLY
18	ч	RECEIV/SENS GND
21	GR	NATS ANT AMP.
23	W	SECURITY IND CONT
25	Ь	NATS ANT AMP.
27	0	A/C ON
28	BR	BLOWER FAN ON
53	d	HAZARD SW
30	7	BK DOOR OPNR SW
31	9	DR DOOR UNLK SENS
32	В	COMBI SW OUTPUT 5
33	W	COMBI SW OUTPUT 4
34	Ь	COMBI SW OUTPUT 3
35	GR	COMBI SW OUTPUT 2
36	В	COMBI SW OUTPUT 1
37	9	DETENT SW
38	38	RECEIVER COMM
30	-	CAN-H

JRKWF5478GB

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE

D Inspection start Е 1. Get information for symptom Get the detailed information about symptom from the customer 2. Check DTC Print out DTC and freeze frame data (or, write it down). Check related service bulletines. Symptom is described. Symptom is not described. Symptom is described. DTC is detected. DTC is detected. DTC is not detected. 3. Confirm the symptom 4. Confirm the symptom Try to confirm the symptom described Try to confirm the symptom described by the customer. by the customer. Also study the normal operation and failsafe related to the symptom. DLK 5. Perform DTC CONFIRMATION PROCEDURE 6. Detect malfunctioning system by SYMPTOM DIAGNOSIS 7. Detect malfunctioning part by Diagnosis Procedure Symptom is Symptom is not described. 8. Repair or replace the malfunctioning part Check input/output signal or voltage DTC is 9. Final check Ν Symptom remains. detected. Check that the symptom is not detected. Perform DTC Confirmation Procedure again, and then check that the malfunction is repaired. DTC is not detected. Symptom does not remain. Р INSPECTION END

JMKIA8652GB

Α

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1.GET INFORMATION FOR SYMPTOM

- Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
- 2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2.CHECK DTC

- Check DTC.
- 2. Perform the following procedure if DTC is detected.
- Record DTC and freeze frame data (Print them out using CONSULT.)
- Erase DTC
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- 3. Check related service bulletins for information.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.

Symptom is described, DTC is not detected>>GO TO 4.

Symptom is not described, DTC is detected>>GO TO 5.

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

${f 5}$.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to BCS-63, "DTC Inspection Priority Chart" (BCM), and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIR-MATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to GI-41, "Intermittent Incident".

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CON-SULT.

7. DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to GI-41, "Intermittent Incident".

8.repair or replace the malfunctioning part

1. Repair or replace the malfunctioning part.

- Reconnect parts or connectors disconnected during Diagnosis Procedure again after repair and replacement.
- 3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

DLK

J

Α

В

D

Е

F

Н

. .

Ν

0

Р

Revision: October 2015 DLK-173 2016 Quest

ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL

< BASIC INSPECTION >

ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL

AUTOMATIC BACK DOOR SYSTEM

AUTOMATIC BACK DOOR SYSTEM: Description

INFOID:0000000012408545

When the battery is disconnected from the negative terminal, it is necessary to perform initial setting to operate automatic back door system normally. (For details, refer to DLK-174, "AUTOMATIC BACK DOOR SYSTEM: Work Procedure".)

CAUTION:

The following specified operations are not performed under the non-initialized condition.

- Automatic back door open/close function
- Anti-pinch function

AUTOMATIC BACK DOOR SYSTEM: Work Procedure

INFOID:0000000012408546

1.INITIALIZATION

- 1. Fully close the back door manually. (When back door is already fully closed, this operation is not necessary)
- 2. Perform automatic back door open/close operation of back door.
- 3. Check for noise or malfunctioning during operation.
- 4. Check that hazard lamp blinks and that warning buzzer operates.

CAUTION:

Never touch back door, or allow foreign materials to be pinched in door, when performing automatic back door open/close operation of back door, until it is in the fully closed or fully open position.

>> WORK END

AUTOMATIC SLIDING DOOR SYSTEM

AUTOMATIC SLIDING DOOR SYSTEM: Description

INFOID:0000000012408547

When the battery is disconnected from the negative terminal, it is necessary to perform initial setting to operate automatic sliding door system normally. (For details, refer to DLK-174, "AUTOMATIC SLIDING DOOR SYSTEM: Work Procedure".)

CAUTION:

Be careful of sliding door that does not operate smoothly in the non-initialized status because door speed is constant during automatic open/close operation. Also, be careful of high reverse load.

AUTOMATIC SLIDING DOOR SYSTEM: Work Procedure

INFOID:0000000012408548

1.INITIALIZATION

- 1. Operate automatic sliding door open/close switch or automatic sliding door one-touch open/close switch, and the automatic open function operates. (Perform open operation first in the non-initialized status regardless of sliding door position)
- 2. After sliding door is stopped in the fully open position, operate automatic sliding door open/close switch or automatic sliding door one-touch open/close switch, and the automatic close function operates.
- 3. Check for noise or malfunctioning during operation.
- 4. Check that automatic sliding door warning buzzer operates.

CAUTION:

Never touch sliding door, or allow foreign materials to be pinched in door, when performing automatic open/close operation of sliding door, until it is in the fully closed or fully open position.

>> WORK END

ADDITIONAL SERVICE WHEN REPLACING AUTOMATIC BACK DOOR CONTROL MODULE

< BASIC INSPECTION >

ADDITIONAL SERVICE WHEN REPLACING AUTOMATIC BACK DOOR CONTROL MODULE

Description INFOID:0000000012408549

When replacing control module, or removing connector terminal, it is necessary to perform initial setting to operate automatic back door system normally. (For details, refer to DLK-175, "Work Procedure".)

CAUTION:

The following specified operations are not performed under the non-initialized condition.

- Automatic back door open/close function
- Anti-pinch function

Work Procedure

INFOID:0000000012408550

Α

В

D

Е

F

Н

1.INITIALIZATION

- 1. Fully close the back door manually. (When back door is already fully closed, this operation is not necessary)
- 2. Perform automatic back door open/close operation of back door.
- 3. Check for noise or malfunctioning during operation.
- 4. Check that hazard lamp blinks and that warning buzzer operates.

CAUTION:

Never touch back door, or allow foreign materials to be pinched in door, when performing automatic back door open/close operation of back door, until it is in the fully closed or fully open position.

>> WORK END

DLK

Ν

0

Р

Revision: October 2015 DLK-175 2016 Quest

ADDITIONAL SERVICE WHEN REPLACING SLIDING DOOR CONTROL UNIT

< BASIC INSPECTION >

ADDITIONAL SERVICE WHEN REPLACING SLIDING DOOR CONTROL UNIT

Description INFOID:000000012408551

When replacing control module, or removing connector terminal, it is necessary to perform initial setting to operate automatic sliding door system normally. (For details, refer to DLK-176. "Work Procedure".)

CAUTION:

Be careful of sliding door that does not operate smoothly in the non-initialized status because door speed is constant during automatic open/close operation. Also, be careful of high reverse load.

Work Procedure

1.INITIALIZATION

- 1. Operate automatic sliding door open/close switch or automatic sliding door one-touch open/close switch, and the automatic open function operates. (Perform open operation first in the non-initialized status regardless of sliding door position)
- 2. After sliding door is stopped in the fully open position, operate automatic sliding door open/close switch or automatic sliding door one-touch open/close switch, and the automatic close function operates.
- 3. Check for noise or malfunctioning during operation.
- 4. Check that automatic sliding door warning buzzer operates.

CAUTION:

Never touch sliding door, or allow foreign materials to be pinched in door, when performing automatic open/close operation of sliding door, until it is in the fully closed or fully open position.

>> WORK END

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE: Description

INFOID:0000000012408553

Α

D

Е

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to LAN-32, "CAN COMMUNICATION SYSTEM: CAN Communication Signal Chart".

AUTOMATIC BACK DOOR CONTROL MODULE: DTC Logic

INFOID:0000000012408554

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC detecting condition	Possible cause
U1000	CAN COMM	When automatic back door control unit cannot communicate CAN communication signal continuously for 2 seconds or more.	CAN communication system

AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure

INFOID:0000000012408555

1.PERFORM SELF DIAGNOSTIC

- Turn ignition switch ON and wait for 2 seconds or more.
- Check "Self Diagnostic Result" of "AUTO BACK DOOR".

Is "CAN COMM CIRCUIT" displayed?

>> Refer to <u>LAN-17</u>, "<u>Trouble Diagnosis Flow Chart</u>". >> Refer to <u>GI-41</u>, "<u>Intermittent Incident</u>". YES

NO

SLIDING DOOR LH

SLIDING DOOR LH: Description

INFOID:0000000012408556

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to LAN-32, "CAN COMMUNICATION SYSTEM: CAN Communication Signal Chart".

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408557

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC detecting condition	Possible cause
U1000	CAN COMM	When sliding door control unit cannot communicate CAN communication signal continuously for 2 seconds or more.	

DLK-177 Revision: October 2015 2016 Quest DLK

P

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408558

1.PERFORM SELF DIAGNOSTIC

- 1. Turn ignition switch ON and wait for 2 seconds or more.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is "CAN COMM CIRCUIT" displayed?

YES >> Refer to LAN-17, "Trouble Diagnosis Flow Chart".

NO >> Refer to GI-41, "Intermittent Incident".

SLIDING DOOR RH

SLIDING DOOR RH: Description

INFOID:0000000012408559

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to <u>LAN-32</u>, "CAN COMMUNICATION SYSTEM: CAN Communication Signal Chart".

SLIDING DOOR RH: DTC Logic

INFOID:0000000012408560

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC detecting condition	Possible cause
U1000	CAN COMM	When sliding door control unit cannot communicate CAN communication signal continuously for 2 seconds or more.	

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408561

1.PERFORM SELF DIAGNOSTIC

- 1. Turn ignition switch ON and wait for 2 seconds or more.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is "CAN COMM CIRCUIT" displayed?

YES >> Refer to LAN-17, "Trouble Diagnosis Flow Chart".

NO >> Refer to GI-41, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE: DTC Logic

INFOID:0000000012408562

Α

В

D

Е

F

Н

N

Р

DTC DETECTION LOGIC

DTC CONSULT display DTC description		DTC detecting condition	Possible cause
U1010	CONTROL UNIT (CAN)	Automatic back door control unit detected internal CAN communication circuit malfunction	Automatic back door control module

AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure

INFOID:0000000012408563

1. REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

When DTC [U1010] is detected, replace automatic back door control module.

>> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408564

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
U1010	CONTROL UNIT (CAN)	Sliding door control unit LH detected internal CAN communication circuit malfunction	Sliding door control unit LH

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408565

$1.\mathsf{REPLACE}$ SLIDING DOOR CONTROL UNIT

When DTC [U1010] is detected, replace sliding door control unit LH.

DLK

>> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

SLIDING DOOR RH

SLIDING DOOR RH : DTC Logic

INFOID:0000000012408566

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause	
U1010 CONTROL UNIT (CAN) Sliding door control unit RH detected internal CAN communication circuit malfunction		Sliding door control unit RH		

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408567

1. REPLACE SLIDING DOOR CONTROL UNIT

When DTC [U1010] is detected, replace sliding door control unit RH.

>> Replace sliding door control unit RH. Refer to DLK-499, "RH: Removal and Installation".

Revision: October 2015 DLK-179 2016 Quest

B2401 IGNITION POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

B2401 IGNITION POWER SUPPLY CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE: DTC Logic

INFOID:0000000012408568

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2401	IGN OPEN	When the automatic back door control unit detects the following condition for 0.3 second or more Power supply condition (OFF) of automatic back door control unit and Ignition position signal (ON) from BCM via CAN	Fuse Harness or connectors (Ignition power supply condition circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON and wait for at least 1 second.
- 2. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-180</u>, "AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure".

NO >> INSPECTION END

AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure

INFOID:0000000012408569

1.CHECK FUSE

- 1. Turn ignition switch OFF.
- Check 10 A fuse, [No. 3, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect automatic back door control module connector.
- Check voltage between automatic back door control module harness connector and ground.

(+)					Voltage
Automatic back do	Automatic back door control module		Condition		
Connector	Terminal				
B8	7	Ground	Ignition switch	ON	9 - 16 V

Is the measurement value normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

NO >> Repair or replace harness.

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

DTC DETECTION LOGIC

INFOID:0000000012408570

B2401 IGNITION POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2401	IGN OPEN	When the sliding door control unit detects the following condition for 0.3 second or more Power supply condition (OFF) of sliding door control unit and ignition position signal (ON) from BCM via CAN	Fuse Harness or connectors (Ignition power supply condition circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-181</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure"</u>.

NO >> INSPECTION END

SLIDING DOOR LH: Diagnosis Procedure

1.CHECK FUSE

- 1. Turn ignition switch OFF.
- Check 10A fuse, [No. 3, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- Disconnect sliding door control unit LH connector.
- 3. Check voltage between sliding door control unit LH harness connector and ground.

(+) Sliding door control unit LH		(-)	Condition		Voltage	
Connector	Terminal					
B45	6	Ground	Ignition switch	ON	9 – 16 V	

Is the measurement value normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

NO >> Repair or replace harness.

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2401	IGN OPEN	When the sliding door control unit detects the following condition for 0.3 second or more Power supply condition (OFF) of sliding door control unit and ignition position signal (ON) from BCM via CAN	Fuse Harness or connectors (Ignition power supply condition circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

DLK

Α

В

D

Е

Н

INFOID:0000000012408571

. .

INFOID:0000000012408572

Ν

0

Р

Revision: October 2015 DLK-181 2016 Quest

B2401 IGNITION POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> Refer to <u>DLK-182</u>, "SLIDING DOOR RH : <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408573

1.CHECK FUSE

1. Turn ignition switch OFF.

2. Check 10A fuse, [No. 3, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2. CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect sliding door control unit RH connector.

3. Check voltage between sliding door control unit RH harness connector and ground.

(+)			Condition		Voltage
Sliding door control unit RH		(-)			
Connector	Terminal				
B247	6	Ground	Ignition switch	ON	9 – 16 V

Is the measurement value normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

NO >> Repair or replace harness.

< DTC/CIRCUIT DIAGNOSIS >

B2402 TOUCH SENSOR

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408574

Α

В

D

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2402	TOUCH SENSOR OPEN	When the sliding door control unit detects the open circuit of the sliding door touch sensor	Sliding door touch sensor Harness or connector (Sliding door touch sensor circuit is open) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

Turn ignition switch ON.

2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to DLK-183, "SLIDING DOOR LH: Diagnosis Procedure".

>> INSPECTION END NO

SLIDING DOOR LH : Diagnosis Procedure

INFOID:0000000012408575

1. CHECK SLIDING DOOR TOUCH SENSOR INPUT SIGNAL

- Turn ignition switch OFF.
- Check voltage between sliding door touch sensor LH harness connector and sliding door control unit LH harness connector.

(+)	(_)					
•	touch sensor .H		r control unit ₋H	Condition		Condition Volta		Voltage
Connector	Terminal	Connector	Terminal					
D172	1	B45	23	Sliding door touch	Pinching detection	0 – 1.5 V		
	•	D-13	25	sensor LH	Other than above	4 – 8 V		

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT

- Disconnect sliding door control unit LH connector and sliding door touch sensor LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door touch sensor LH harness connector.

Sliding door c	ontrol unit LH	Sliding door to	Continuity	
Connector	Terminal	Connector Terminal		Continuity
B45	24	D172	1	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	control unit LH		Continuity
Connector Terminal		Ground	Continuity
B45	24		Not existed

Is the inspection result normal?

DLK-183 Revision: October 2015 2016 Quest DLK

0

Р

< DTC/CIRCUIT DIAGNOSIS >

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK SLIDING DOOR TOUCH SENSOR GROUND CIRCUIT

- 1. Disconnect sliding door control unit LH connector and sliding door touch sensor LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door touch sensor LH harness connector.

Sliding door	control unit LH	Sliding door to	Continuity	
Connector	Connector Terminal		Terminal	Continuity
B45	23	D172	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45 23			Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT 2

- 1. Connect sliding door control unit LH connector and sliding door touch sensor LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

	(+)			
Sliding door control unit LH		(–)	Voltage	
Connector	Terminal		3 3 3	
B45	23	Ground	0 V	

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

${f 5.}$ CHECK SLIDING DOOR TOUCH SENSOR

Refer to DLK-186, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door touch sensor LH.

$\mathsf{6}.$ CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH : Component Inspection

INFOID:0000000012408576

1. CHECK SLIDING DOOR TOUCH SENSOR LH

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door touch sensor LH connector.
- Check resistance between sliding door touch sensor LH terminals.

Sliding door to	ouch sensor LH	Condition		Resistance
Terminal		Condition		(Approx.)
1	2	Sliding door touch sen-	Pinching detection	120 Ω or less
	2	sor LH	Other than above	$1~\text{k}\Omega\pm10\%$

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door touch sensor LH.

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

INFOID:0000000012408577

Α

В

D

Е

F

Н

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2402	TOUCH SENSOR OPEN	When the sliding door control unit detects the open circuit of the sliding door touch sensor	Sliding door touch sensor Harness or connector (Sliding door touch sensor circuit is open) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-185</u>, "SLIDING DOOR RH : <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408578

1. CHECK SLIDING DOOR TOUCH SENSOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Check voltage between sliding door touch sensor RH harness connector and sliding door control unit RH harness connector.

(+)	(-)	Condition		
•	touch sensor RH	_	r control unit RH			Voltage
Connector	Terminal	Connector	Terminal			
D173	1	B247	23	Sliding door touch Pinching detection		0 – 1.5 V
D173	'	0247	23	sensor RH	Other than above	4 – 8 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT

- 1. Disconnect sliding door control unit RH connector and sliding door touch sensor RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and sliding door touch sensor RH harness connector.

Sliding door control unit RH		Sliding door to	Continuity		
Connector	Terminal	Connector Terminal		Continuity	
B247	24	D173	1	Existed	

3. Check continuity between sliding door control unit RH harness connector and ground.

DLK

. .

M

Ν

Revision: October 2015 DLK-185 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	24		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ check sliding door touch sensor ground circuit

- 1. Disconnect sliding door control unit RH connector and sliding door touch sensor RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door touch sensor RH harness connector.

Sliding door control unit RH		Sliding door to	Continuity		
Connector	Terminal	Connector Terminal		Continuity	
B247	23	D173	2	Existed	

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door of	control unit RH		Continuity
Connector	Connector Terminal		Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT 2

- 1. Connect sliding door control unit RH connector and sliding door touch sensor RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

5.CHECK SLIDING DOOR TOUCH SENSOR

Refer to DLK-186, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door touch sensor RH.

O.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

INFOID:0000000012408579

1. CHECK SLIDING DOOR TOUCH SENSOR RH

- Turn ignition switch OFF.
- 2. Disconnect sliding door touch sensor RH connector.
- Check resistance between sliding door touch sensor RH terminals.

Revision: October 2015 DLK-186 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

Sliding door to	Sliding door touch sensor RH Terminal		Condition	
Terr				
1	2	Sliding door touch sensor RH	Pinching detection	120 Ω or less
1			Other than above	1 k Ω ± 10%

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door touch sensor RH.

A

В

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

Р

< DTC/CIRCUIT DIAGNOSIS >

B2403 ENCODER

AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE: DTC Logic

INFOID:0000000012408580

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2403	PULSE ENCODER	When the automatic back door control unit cannot receive the signal from the encoder just after starting the open/close operation	Battery voltage (low battery) Automatic back door control module

DTC CONFIRMATION PROCEDURE

${f 1}$.PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Operate automatic back door.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-188</u>, "AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure".

NO >> INSPECTION END

AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure

INFOID:0000000012408581

$1.\mathsf{check}$ automatic back door control module power supply and ground circuit

- 1. Turn ignition switch OFF.
- 2. Check automatic back door control module power supply and ground circuit.

 Refer to DLK-244, "AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure".

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494</u>, "Removal and Installation".

NO >> Repair or replace the malfunctioning parts.

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408582

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2403	PULSE ENCODER	When sliding door control unit cannot receive the signal from the encoder just after starting the open/close operation	 Encoder Battery voltage (low battery) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to DLK-188, "SLIDING DOOR LH: Diagnosis Procedure".

NO >> INSPECTION END

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408583

1. CHECK ENCODER POWER SUPPLY

1. Turn ignition switch OFF.

Revision: October 2015 DLK-188 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

`	Disconnect	autamatia	مانامات	daarunit		aannaatar
/	Disconnect	auromanc	Silama	CIOOL UITH	1 1	connector

3. Check voltage between automatic sliding door unit LH harness connector and ground.

(+)			
Automatic slidin	g door unit LH	(–)	Voltage	
Connector	Connector Terminal			
B65	5	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK ENCODER CIRCUIT

1. Disconnect sliding door control unit LH connector.

2. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH Connector Terminal		Continuity	
Connector	Terminal			Continuity	
B45	11	B65	5	Existed	

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	ontrol unit LH		Continuity	
Connector	Terminal	Ground	Continuity	
B45	11		Not existed	

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK ENCODER CIRCUIT 2

1. Disconnect sliding door control unit LH connector.

2. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door o	control unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	4	B65	6	Existed
D40	21	В03	7	LAISIEU

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	ontrol unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	4		Not existed
B45	21		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK ENCODER GROUND CIRCUIT

1. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

DLK

J

Α

В

D

F

Н

IVI

Ν

0

Р

< DTC/CIRCUIT DIAGNOSIS >

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	26	B65	8	Existed	

2. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	ontrol unit LH		Continuity
Connector	nector Terminal		Continuity
B45	26		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

CHECK ENCODER CIRCUIT 3

- 1. Connect sliding door control unit LH connector and automatic sliding door unit LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

(+) Sliding door control unit LH			
		(–)	Voltage
Connector	Terminal		
B45	26	Ground	0 V

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2403	PULSE ENCODER	When sliding door control unit cannot receive the signal from the encoder just after starting the open/close operation	 Encoder Battery voltage (low battery) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-190</u>, "SLIDING DOOR RH: Diagnosis Procedure".

NO >> INSPECTION END

SLIDING DOOR RH: Diagnosis Procedure

1. CHECK ENCODER POWER SUPPLY

- Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit RH connector.

Revision: October 2015 DLK-190 2016 Quest

INFOID:0000000012408585

INFOID:0000000012408584

< DTC/CIRCUIT DIAGNOSIS >

3. Check voltage between automatic sliding door unit RH harness connector and ground.

(+))			
Automatic sliding	Automatic sliding door unit RH		Voltage	
Connector	Terminal			
B244	5	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK ENCODER CIRCUIT

1. Disconnect sliding door control unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	11	B244	5	Existed	

Check continuity between sliding door control unit RH harness connector and ground.

	Sliding door co	ontrol unit RH		Continuity	
	Connector	Terminal	Ground	Continuity	
_	B247	11		Not existed	

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK ENCODER CIRCUIT 2

Disconnect sliding door control unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door c	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	4	B244	7	Existed
D24 <i>1</i>	21		6	

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	4	Ground	Not existed
	21		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK ENCODER GROUND CIRCUIT

 Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector. DLK

Α

В

D

Е

F

Н

Ν/Ι

Ν

0

Р

< DTC/CIRCUIT DIAGNOSIS >

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	26	B244	8	Existed	

2. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door co	ontrol unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	26		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK ENCODER CIRCUIT 3

- 1. Connect sliding door control unit RH connector and automatic sliding door unit RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	26	Ground	0 V

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

B2405 SLIDING DOOR CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B2405 SLIDING DOOR CONTROL UNIT

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408586

Α

В

D

Е

F

Н

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2405	ECU FAIL	Sliding door control unit detected CPU malfunction	Sliding door control unit

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408587

1. REPLACE SLIDING DOOR CONTROL UNIT

When DTC [B2405] is detected, replace sliding door control unit LH.

>> Replace sliding door control unit. Refer to DLK-499, "LH: Removal and Installation".

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

INFOID:0000000012408588

DTC DETECTION LOGIC

ible cause		_

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2405	ECU FAIL	Sliding door control unit detected CPU malfunction	Sliding door control unit

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408589

1. REPLACE SLIDING DOOR CONTROL UNIT

When DTC [B2405] is detected, replace sliding door control unit RH.

>> Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation".

DLK

Р

DLK-193 Revision: October 2015 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

B2409 HALF LATCH SWITCH AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE: DTC Logic

INFOID:0000000012408590

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2409	HALF LATCH SW	When the automatic back door control unit can not detects the half latch switch ON condition even when the back door is in the open position	Half latch switch Harness or connectors (Half latch switch circuit is open) Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Operate automatic back door function.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-194</u>, "AUTOMATIC BACK DOOR CONTROL MODULE : <u>Diagnosis Procedure</u>". NO >> INSPECTION END

AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure

INFOID:0000000012408591

1. CHECK HALF LATCH SWITCH SIGNAL

- 1. Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "HALF LATCH SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
HALF LATCH SW	Back door	Fully closed/Half latch	OFF
TIALI LATOTI OW		Open	ON

Is the inspection result normal?

YES >> GO TO 6. NO >> GO TO 2.

2.CHECK HALF LATCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- Check voltage between back door lock assembly harness connector and ground.

(+)			Voltage
Back door lock assembly		(–)	
Connector	Terminal		
D190	6	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 4. NO >> GO TO 3.

3. CHECK HALF LATCH SWITCH CIRCUIT

- 1. Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Automatic back de	oor control module	Back door lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B8	22	D190	6	Existed

Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	22		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

NO >> Repair or replace harness.

4. CHECK HALF LATCH SWITCH GROUND CIRCUIT

Check continuity between back door lock assembly harness connector and ground.

Back door lock assembly			Continuity
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace back door lock assembly ground circuit.

5.CHECK HALF LATCH SWITCH

Refer to DLK-195, "AUTOMATIC BACK DOOR CONTROL MODULE: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace back door lock assembly.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

AUTOMATIC BACK DOOR CONTROL MODULE: Component Inspection INFOID-000000012408592

1. CHECK HALF LATCH SWITCH

- Turn ignition switch OFF.
- Disconnect back door lock assembly connector. 2.
- Check continuity between back door lock assembly terminals.

Back door lock assembly		Condition		Continuity	
Terminal					
6	Q	Back door lock	Open	Existed	
	0	Back door lock	Fully closed/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

DTC DETECTION LOGIC

DLK-195 Revision: October 2015 2016 Quest DLK

Α

В

D

Е

Н

N

M

Р

INFOID:0000000012408593

< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2409	HALF LATCH SW	When the sliding door control unit cannot detects the half latch switch ON condition even when the sliding door release actuator operate	 Half latch switch Harness or connectors (Half latch switch circuit is open) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-196</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408594

1. CHECK HALF LATCH SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly LH connector.
- 3. Check voltage between sliding door lock assembly LH harness connector and ground.

(+)			
Sliding door lock assembly LH		(–)	Voltage
Connector	Terminal		
D123	3	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK HALF LATCH SWITCH CIRCUIT

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

Sliding door co	Sliding door control unit LH		assembly LH	Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	5	D123	3	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	5		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK HALF LATCH SWITCH GROUND CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit LH		Sliding door lock assembly LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	23	D123	2	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	ontrol unit LH		Continuity
Connector Terminal		Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK HALF LATCH SWITCH CIRCUIT 2

- 1. Connect sliding door control unit LH connector and sliding door lock assembly LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

(+)			
Sliding door control unit LH		(–)	Voltage
Connector	Terminal		
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

5. CHECK HALF LATCH SWITCH

Refer to DLK-197, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly LH.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK HALF LATCH SWITCH

Turn ignition switch OFF.

- 2. Disconnect sliding door lock assembly LH connector.
- 3. Check continuity between sliding door lock assembly LH terminals.

Sliding door loo	ck assembly LH	Condition		Continuity
Terr	minal	Condition		Continuity
3	2	Sliding door LH	Open	Existed
3	3 Z Slidii	Siluling door Lift	Half latch/full closed	Not existed

DLK-197

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly LH.

SLIDING DOOR RH

DLK

Α

В

D

Е

Н

M

Ν

Р

2016 Quest

INFOID:0000000012408595

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: DTC Logic

INFOID:0000000012408596

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2409	HALF LATCH SW	When the sliding door control unit cannot detects the half latch switch ON condition even when the sliding door release actuator operate	Half latch switch Harness or connectors (Half latch switch circuit is open) Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-198</u>, "SLIDING DOOR RH: <u>Diagnosis Procedure"</u>.

NO >> INSPECTION END

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408597

1. CHECK HALF LATCH SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly RH connector.
- 3. Check voltage between sliding door lock assembly RH harness connector and ground.

(+)			
Sliding door lock assembly RH		(–)	Voltage
Connector	Terminal		
D124	3	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK HALF LATCH SWITCH CIRCUIT

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

Sliding door co	ontrol unit RH	Sliding door lock assembly RH		ding door lock assembly RH Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B247	5	D124	3	Existed	

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door co	Sliding door control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	5		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check half latch switch ground circuit

1. Disconnect sliding door control unit RH connector.

< DTC/CIRCUIT DIAGNOSIS >

Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

Sliding door co	oor control unit RH Sliding door lock assembly RH Continuity		Sliding door lock assembly RH	
Connector	Terminal	Connector Terminal		Continuity
B247	23	D124	2	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Connector Terminal		Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK HALF LATCH SWITCH CIRCUIT 2

- 1. Connect sliding door control unit RH connector and sliding door lock assembly RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

${f 5.}$ CHECK HALF LATCH SWITCH

Refer to DLK-199, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly RH.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK HALF LATCH SWITCH

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly RH connector.
- 3. Check continuity between sliding door lock assembly RH terminals.

Sliding door lock assembly RH		Condition		Continuity	
Terminal					
3	2	Sliding door RH	Open	Existed	
	2		Half latch/full closed	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly RH.

DLK

Α

В

D

Е

Н

M

INFOID:0000000012408598

Ν

 \circ

Р

< DTC/CIRCUIT DIAGNOSIS >

B241A ENCODER SLIDING DOOR LH

SLIDING DOOR LH : DTC Logic

INFOID:0000000012408599

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B241A	ENCDR PWR SUPLY	When battery voltage to encoder is 4.5 V or less	Encoder Harness or connectors Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-200</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR LH : Diagnosis Procedure

INFOID:0000000012408600

1. CHECK ENCODER POWER SUPPLY

- Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit LH connector.
- 3. Check voltage between automatic sliding door unit LH harness connector and ground.

(+)			
Automatic sliding door unit LH		(–)	Voltage
Connector	Terminal		
B65	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2. CHECK ENCODER CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	11	B65	5	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	11		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

B241A ENCODER

< DTC/CIRCUIT DIAGNOSIS >

$\overline{3}$.check intermittent incident

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B241A	ENCDR PWR SUPLY	When battery voltage to encoder is 4.5 V or less	 Encoder Harness or connectors Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

YES >> Refer to <u>DLK-201</u>, "SLIDING DOOR RH: <u>Diagnosis Procedure"</u>.

NO >> INSPECTION END

SLIDING DOOR RH: Diagnosis Procedure

1. CHECK ENCODER POWER SUPPLY

- Turn ignition switch OFF.
- Disconnect automatic sliding door unit RH connector.
- Check voltage between automatic sliding door unit RH harness connector and ground.

(+)			
Automatic sliding door unit RH		(–)	Voltage
Connector	Terminal		
B247	11	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK ENCODER CIRCUIT

Disconnect sliding door control unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door o	control unit RH	Automatic sliding door unit RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	11	B244	5	Existed	

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	11		Not existed

Is the inspection result normal?

DLK-201 Revision: October 2015 2016 Quest DLK

В

D

Е

Н

INFOID:0000000012408601

INFOID:0000000012408602

Ν

0

Р

B241A ENCODER

< DTC/CIRCUIT DIAGNOSIS >

>> Replace sliding door control unit RH. Refer to <u>DLK-499, "RH : Removal and Installation"</u>. >> Repair or replace harness. YES

NO

3. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B2412 AUTOMATIC SLIDING DOOR MOTOR/ENCODER

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408603

Α

В

D

Е

Н

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2412	ASD MTR/ENCDR	When sliding door control unit transmits signal to automatic sliding door motor but pulse signal from encoder is not detected for 1 second or more	Sliding door motorEncoderHarness or connectors

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

Turn ignition switch ON.

Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

>> Refer to DLK-203, "SLIDING DOOR LH: Diagnosis Procedure". YES

NO >> INSPECTION END

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408604

${f 1}$.CHECK ENCODER MONITOR ITEM

Select "AUTO SLDE DOOR" using CONSULT.

- 2. Select "ENCODER A LH" and "ENCODER B LH" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
ENCODER A LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
ENCODER A LH	Silding door LH	When stopped	HI or LO
ENCODER B LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
ENCODER B LH		When stopped	HI or LO

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 2.

2.CHECK ENCODER POWER SUPPLY

- Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit LH connector.
- Check voltage between automatic sliding door unit LH harness connector and ground.

(+)	(+)		
Automatic sliding door unit LH		(–)	Voltage
Connector	Terminal		
B65	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.CHECK ENCODER CIRCUIT 1 $\,$

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

DLK

Ν

< DTC/CIRCUIT DIAGNOSIS >

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	11	B65	5	Existed	

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	11		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

4. CHECK ENCODER CIRCUIT 2

- 1. Disconnect sliding door control unit LH connector.
- 2. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH Automatic sliding door unit LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
B45	4	B65	6	Existed
D 4 3	21	500	7	LAISIEU

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	4	Ground	Not existed
	21	- Not ex	NOT EXISTED

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK ENCODER GROUND CIRCUIT

1. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	26	B65	8	Existed	

2. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	ontrol unit LH		Continuity
Connector	Connector Terminal		Continuity
B45	26		Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

O.CHECK ENCODER CIRCUIT 3

- 1. Connect sliding door control unit LH connector and automatic sliding door unit LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

(+)			
Sliding door co	Sliding door control unit LH		Voltage
Connector	Terminal		
B45	26	Ground	0 V

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

7.CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

- Disconnect sliding door control unit LH connector and automatic sliding door unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door	control unit LH	Automatic sliding	g door unit LH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B47	43	D22	3	Existed
D41	46	B33	4	⊏xistea

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B47	43		Not existed
D41	46		Not existed

Is the inspection result normal?

>> Replace automatic sliding door unit LH. YES

NO >> Repair or replace harness.

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2412	ASD MTR/ENCDR	When sliding door control unit transmits signal to automatic sliding door motor but pulse signal from encoder is not detected for 1 second or more	Sliding door motorEncoderHarness or connectors

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to DLK-205, "SLIDING DOOR RH: Diagnosis Procedure".

NO >> INSPECTION END

SLIDING DOOR RH : Diagnosis Procedure

1. CHECK ENCODER MONITOR ITEM

- Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- Select "ENCODER A RH" and "ENCODER B RH" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

DLK

Α

В

D

Е

Н

Ν

Р

INFOID:0000000012408606

INFOID:0000000012408605

DLK-205 Revision: October 2015 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

Monitor item	Condition		Status
ENCODER A RH	Sliding door RH	Moving (auto or manual)	HI ⇔ LO
LNOODLIVATII	Silding door INT	When stopped	HI or LO
ENCODER B RH	Sliding door RH	Moving (auto or manual)	HI ⇔ LO
ENCODER B RH		When stopped	HI or LO

Is the inspection result normal?

YES >> GO TO 7. NO >> GO TO 2.

2.CHECK ENCODER POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit RH connector.
- 3. Check voltage between automatic sliding door unit RH harness connector and ground.

(+)			
Automatic sliding door unit RH		(–)	Voltage
Connector	Terminal		
B244	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK ENCODER CIRCUIT 1

- 1. Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	11	B244	5	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	11		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

4. CHECK ENCODER CIRCUIT 2

- 1. Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door control unit RH		Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	4	B244	7	Existed
	21	5244	6	LAISIGU

3. Check continuity between sliding door control unit RH harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	4		Not existed
D247	21		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK ENCODER GROUND CIRCUIT

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	26	B244	8	Existed	

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	26		Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK ENCODER CIRCUIT 3

- Connect sliding door control unit RH connector and automatic sliding door unit RH connector.
- Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	26	Ground	0 V

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Replace sliding door control unit RH. Refer to DLK-499, "RH: Removal and Installation".

7.CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

Disconnect sliding door control unit RH connector and automatic sliding door unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door of	Sliding door control unit RH		g door unit RH	Continuity
Connector	Terminal	Connector Terminal		Continuity
B249	43	B245	4	Existed
D249	46	D243	3	LXISIGU

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity	
Connector	Terminal	Ground	Continuity	
B249	43	Ground	Not existed	
DZ49	46		Not existed	

DLK-207 Revision: October 2015 2016 Quest

Α

В

D

Е

Н

M

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Repair or replace harness.

< DTC/CIRCUIT DIAGNOSIS >

B2413 AUTOMATIC SLIDING DOOR MOTOR/ENCODER SLIDING DOOR LH

INFOID:0000000012408607

Α

В

D

Е

Н

SLIDING DOOR LH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2413	ASD MTR/ENCDR	When sliding door control unit detects pulse signal that is in the reverse direction of sliding door motor operation	Reverse connection of harness between encoder and sliding door control unit Reverse connection of harness between automatic sliding door motor and sliding door control unit Encoder Automatic sliding door motor Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

Turn ignition switch ON.

2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-209</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure"</u>.

NO >> INSPECTION END

SLIDING DOOR LH : Diagnosis Procedure

INFOID:0000000012408608

1. CHECK ENCODER CIRCUIT

Turn ignition switch OFF.

2. Disconnect sliding door control unit LH connector and automatic sliding door unit LH connector.

3. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door o	Sliding door control unit LH		Automatic sliding door unit LH	
Connector	Terminal	Connector	Terminal	Continuity
	4	B65	6 Eviated	Existed
B45	21		7	LAISIEU
D43	4		7	Not existed
	21		6	INOL EXISTED

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

DLK

L

M

Ν

ΙV

0

Р

< DTC/CIRCUIT DIAGNOSIS >

Sliding door co	Sliding door control unit LH		Automatic sliding door unit LH	
Connector	Terminal	Connector	Terminal	Continuity
	43	B33	3	Existed
B47	46		4	LAISIGU
D41	43	633	4	Not existed
	46		3	NOT EXISTED

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check automatic sliding door unit LH $\,$

- 1. Replace automatic sliding door unit LH. (New unit or other unit)
- Erase DTC.
- Operate auto open/close function.

Is DTC detected?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> INSPECTION END

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

INFOID:0000000012408609

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2413	ASD MTR/ENCDR	When sliding door control unit detects pulse signal that is in the reverse direction of sliding door motor operation	Reverse connection of harness between encoder and sliding door control unit Reverse connection of harness between automatic sliding door motor and sliding door control unit Encoder Automatic sliding door motor Sliding door control unit

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to DLK-210, "SLIDING DOOR RH: Diagnosis Procedure".

NO >> INSPECTION END

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408610

1. CHECK ENCODER CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door control unit RH connector and automatic sliding door unit RH connector.
- 3. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door c	Sliding door control unit RH		Automatic sliding door unit RH		
Connector	Terminal	Connector Terminal		Continuity	
	4		7	Existed	
B247	21	B244	6	Existed	
D241	4	D244	6	Not existed	
	21		7	Not existed	

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2. CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door control unit RH		Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector Terminal		Continuity
	43	B245	4	Existed
B249	46		3	Existed
D249	43		3	Not existed
	46		4	inoi existeu

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK AUTOMATIC SLIDING DOOR UNIT RH

- 1. Replace automatic sliding door unit RH. (New unit or other unit)
- 2. Erase DTC.
- 3. Operate auto open/close function.

Is DTC detected?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> INSPECTION END

DLK

J

Α

В

D

Е

F

Ν

Р

Revision: October 2015 DLK-211 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

B2414 AUTOMATIC SLIDING DOOR MOTOR

SLIDING DOOR LH

SLIDING DOOR LH: DTC Logic

INFOID:0000000012408611

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2414	ASD MTR TIME OUT	When the sliding door control unit and sliding door motor operate in the same direction for 15 seconds or more continuously	Clutch Automatic sliding door motor Sliding door control unit Battery voltage (low battery)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-212</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR LH : Diagnosis Procedure

INFOID:0000000012408612

1. CHECK SLIDING DOOR CONTROL UNIT LH POWER SUPPLY

Check sliding door control unit LH power supply.

Refer to DLK-245, "SLIDING DOOR CONTROL UNIT: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK CLUTCH

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- Select "CLUTCH" in "ACTIVE TEST" mode.
- 3. Touch "HOLD" or "RELEASE" to check that it works normally.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 4.

3.check automatic sliding door motor output signal

- Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit LH connector.
- 3. Check voltage between automatic sliding door unit LH harness connector and ground.

	(+) Automatic sliding door unit LH		Condition		Voltage
Connector	Connector Terminal				
	3 Cround		Auto open operation	9 – 16 V	
B33		Ground 4	Cliding door LU	Other than above	0 – 1.5 V
B 33	4		Sliding door LH	Auto close operation	9 – 16 V
			Other than above	0 – 1.5 V	

Is the inspection result normal?

< DTC/CIRCUIT DIAGNOSIS >

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation". NO >> GO TO 5.

4. CHECK CLUTCH CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect sliding door control unit LH connector and automatic sliding door unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door c	Sliding door control unit LH		Automatic sliding door unit LH	
Connector	Terminal	Connector Terminal		Continuity
B47	44	B33	1	Existed
B47	47	633	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	ontrol unit LH		Continuity	
Connector	Connector Terminal		Continuity	
B47	44	Ground	Not existed	
D47	47		Not existed	

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

NO >> Repair or replace harness.

${f 5}.$ CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B47	43	B33	3	Existed
D47	46	600	4	LAISICU

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door co	Sliding door control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B47	43	Ground	Not existed
D 1 1	46		Not existed

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

NO >> Repair or replace harness.

SLIDING DOOR RH

SLIDING DOOR RH: DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2414	ASD MTR TIME OUT	When the sliding door control unit and sliding door motor operate in the same direction for 15 seconds or more continuously	Clutch Automatic sliding door motor Sliding door control unit Battery voltage (low battery)

DLK

Α

В

D

Е

F

Н

Ν

Р

INFOID:0000000012408613

< DTC/CIRCUIT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO SLIDE DOOR RIGHT" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-214</u>, "SLIDING DOOR RH: <u>Diagnosis Procedure</u>".

NO >> INSPECTION END

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408614

1. CHECK SLIDING DOOR CONTROL UNIT RH POWER SUPPLY

Check sliding door control unit RH power supply.

Refer to DLK-245, "SLIDING DOOR CONTROL UNIT : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.check clutch

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "CLUTCH" in "ACTIVE TEST" mode.
- Touch "HOLD" or "RELEASE" to check that it works normally.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 4.

${f 3.}$ CHECK AUTOMATIC SLIDING DOOR MOTOR OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit RH connector.
- 3. Check voltage between automatic sliding door unit RH harness connector and ground.

(+) Automatic sliding door unit RH		()	Condition		\/altaga
		(–)	Cor	Idition	Voltage
Connector	Terminal				
	3			Auto close operation	9 – 16 V
R245	B245 Ground Sliding door RH	Cround	Sliding door DU	Other than above	0 – 1.5 V
D240		Siluling door Kn	Auto open operation	9 – 16 V	
				Other than above	0 – 1.5 V

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> GO TO 5.

4. CHECK CLUTCH CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door control unit RH connector and automatic sliding door unit RH connector.
- 3. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B249	44	B245	1	Existed
	47	D2 4 3	2	LAISted

4. Check continuity between sliding door control unit RH harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	Sliding door control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B249	44	Ground	Not existed
D2 4 9	47		Not existed

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Repair or replace harness.

5.check automatic sliding door motor circuit

- 1. Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B249	43	B245	4	Existed
D249	46	D245	3	LAISIEU

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity	
Connector	Terminal	Ground	Continuity	
B249	43	Giodila	Not existed	
0249	46		Not existed	

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Repair or replace harness.

DLK

Ν

0

Р

Revision: October 2015 DLK-215 2016 Quest

D

Е

F

Α

В

C

G

Н

J

B2416 TOUCH SENSOR RH

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2416	TOUCH SEN R OPEN	When the automatic back door control unit detects the open circuit of the back door touch sensor RH	Back door touch sensor RH Harness or connectors (Back door touch sensor RH circuit is open) Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-216</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012408616

1. CHECK TOUCH SENSOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Check voltage between back door touch sensor RH harness connector and automatic back door control module harness connector.

	(+)	(-	(-)			
Back door to	uch sensor RH		door control mod- le	Condition		Voltage
Connector	Terminal	Connector	Terminal			
D191	1	B8	14	Back door touch	Detect obstruc- tion	0 – 1.5 V
	I	БО	14	sensor RH	Other than above	5 – 6.7 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK BACK DOOR TOUCH SENSOR RH CIRCUIT

- 1. Disconnect automatic back door control module connector and back door touch sensor RH connector.
- Check continuity between automatic back door control module harness connector and back door touch sensor RH harness connector.

Automatic back door control module		Back door touch sensor RH		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B8	13	D191	1	Existed	

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back doo	or control module		Continuity	
Connector Terminal		Ground	Continuity	
B8	B8 13		Not existed	

B2416 TOUCH SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

>> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

NO >> Repair or replace harness.

3.check back door touch sensor RH ground circuit

Disconnect automatic back door control module connector and back door touch sensor RH connector.

Check continuity between automatic back door control module harness connector and back door touch sensor RH harness connector.

Automatic back do	Automatic back door control module		Back door touch sensor RH	
Connector	Terminal	Connector	Terminal	Continuity
B8	14	D191	2	Existed

Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
 Connector	Terminal	Ground	Continuity
B8	14		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK BACK DOOR TOUCH SENSOR RH GROUND CIRCUIT 2

Connect automatic back door control module connector and back door touch sensor RH connector.

Check voltage between automatic back door control module harness connector and ground.

	(+)		
Automatic back door control module		(–)	Voltage
Connector	Connector Terminal		
B8	14	Ground	0 – 1.5 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

${f 5}$.CHECK BACK DOOR TOUCH SENSOR RH

Refer to DLK-217, "Component Inspection".

Is the inspection result normal?

YFS >> GO TO 6.

NO >> Replace back door touch sensor RH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

1. CHECK TOUCH SENSOR RH

- Turn ignition switch OFF.
- Disconnect back door touch sensor RH connector.
- 3. Check resistance between back door touch sensor RH terminals.

DLK

Α

В

D

Е

M

Ν

INFOID:0000000012408617

B2416 TOUCH SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Back door tou	uch sensor RH	Condition		Resistance
Terr	minal			
1	2	Back door touch sensor	Detect obstruction	360 - 440 Ω
ľ	2	RH	Other than above	0.9 - 1.1 kΩ

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door touch sensor RH.

B2417 TOUCH SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B2417 TOUCH SENSOR LH

DTC Logic INFOID:0000000012408618

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2417	TOUCH SEN L OPEN	When the automatic back door control unit detects the open circuit of the back door touch sensor LH.	Back door touch sensor LH Harness or connectors (Back door touch sensor LH circuit is open) Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to DLK-219, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

1. CHECK BACK DOOR TOUCH SENSOR INPUT SIGNAL

Turn ignition switch OFF.

Check voltage between back door touch sensor LH harness connector and automatic back door control module harness connector.

((+)	(-)	Condition		_
Back door to	uch sensor LH		door control mod- le			Voltage
Connector	Terminal	Connector	Terminal			
D165	1	B8	14	Back door touch	Detect obstruc- tion	0 – 1.5 V
D103	'	Во	14	sensor LH	Other than above	5 – 6.7 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK BACK DOOR TOUCH SENSOR LH CIRCUIT

Disconnect automatic back door control module connector and back door touch sensor LH connector.

2. Check continuity between automatic back door control module harness connector and back door touch sensor LH harness connector.

Automatic back do	Automatic back door control module		Back door touch sensor LH	
Connector	Terminal	Connector Terminal		Continuity
B8	15	D165	1	Existed

Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	15		Not existed

DLK-219 Revision: October 2015 2016 Quest DLK

Α

В

D

Е

INFOID:0000000012408619

Ν

0

B2417 TOUCH SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.check back door touch sensor $\,$ LH ground circuit

1. Disconnect automatic back door control module connector and back door touch sensor LH connector.

Check continuity between automatic back door control module harness connector and back door touch sensor LH harness connector.

Automatic back do	or control module	Back door touch sensor LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B8	14	D165	2	Existed

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	14		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK BACK DOOR TOUCH SENSOR LH GROUND CIRCUIT 2

- 1. Connect automatic back door control module connector and back door touch sensor LH connector.
- 2. Check voltage between automatic back door control module harness connector and ground.

(+)			
Automatic back door control module		(–)	Voltage
Connector	Terminal		
B8	14	Ground	0 – 1.5 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

5. CHECK BACK DOOR TOUCH SENSOR LH

Refer to DLK-220, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace back door touch sensor LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408620

1. CHECK BACK DOOR TOUCH SENSOR LH

- Turn ignition switch OFF.
- Disconnect back door touch sensor LH connector.
- 3. Check resistance between back door touch sensor LH terminals.

B2417 TOUCH SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Back door to	uch sensor LH	Condition		Resistance
Terr	minal	Con	ultion	resistance
1	2	Back door touch sensor LH	Detect obstruction	360 - 440 Ω
ı	2		Other than above	0.9 - 1.1 kΩ

Α

В

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door touch sensor LH.

С

D

Е

F

G

Н

J

DLK

L

Ν

0

B2419 OPEN SWITCH

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2419	OPEN SW	When the automatic back door control unit detects any of the following conditions • The change of open switch cannot be detected for 1 second or more after starting the closure open output for the 3rd time in a row • The change of open switch cannot be detected for 0.5 second or more after starting the closure close output for the 3rd time in a row • The condition that the open switch is in the ON position and the close switch is in the OFF position is detected when starting the closure open/close output for the 3rd time in a row	Open switch Harness or connectors (Open switch circuit is open or shorted) Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Operate automatic back door.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-222</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012408622

1. CHECK AUTOMATIC BACK DOOR CONTROL MODULE OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)			
Back door lock	assembly	(–)	Voltage
Connector Terminal			
D190	4	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK OPEN SWITCH CIRCUIT

- 1. Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

Automatic back door control module		Back door loo	Continuity	
Connector	Terminal	Connector Terminal		Continuity
B8	24	D190	4	Existed

3. Check continuity between automatic back door control module harness connector and ground.

B2419 OPEN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Automatic back d	oor control module		Continuity
Connector Terminal		Ground	Continuity
B8	24		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

NO >> Repair or replace harness.

3.check open switch ground circuit

Check continuity between back door lock assembly harness connector and ground.

Back door lock as	sembly		Continuity
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK OPEN SWITCH

Refer to DLK-223, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

COMPONENT INSPECTION

1. CHECK OPEN SWITCH

- Turn ignition switch OFF.
- Disconnect back door lock assembly connector.
- Check continuity between back door lock assembly terminals.

Back door loo	ck assembly	Condition		Continuity	
Terminal		Condition		Continuity	
1	Q	Back door	Open	Existed	
7	0	Dack door	Fully closed/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly. DLK

INFOID:0000000012408623

Α

В

D

Е

F

Н

Ν

Р

2016 Quest

Revision: October 2015

B2420 CLOSE SWITCH

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2420	CLOSE SW	When the automatic back door control unit detects any of the following condition The change of close switch cannot be detected for 3 second or more after starting the closure close output for the 3rd time in a row	Close switch Harness or connectors (Close switch circuit is open or shorted) Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Operate automatic back door.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-224</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012408625

1. CHECK AUTOMATIC BACK DOOR CONTROL MODULE OUTPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)			
Back door lock	assembly	(–)	Voltage
Connector Terminal			
D190	5	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK CLOSE SWITCH CIRCUIT

- 1. Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

Automatic back door control module		Back door loo	Continuity	
Connector	Terminal	Connector Terminal		Continuity
B8	20	D190	5	Existed

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back d	oor control module		Continuity
Connector Terminal		Ground	Continuity
B8 20			Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>

B2420 CLOSE SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

3.check close switch ground circuit

Check continuity between back door lock assembly harness connector and ground.

Back door lock as	ssembly		Continuity
Connector Terminal		Ground	Continuity
D190 8			Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK CLOSE SWITCH

Refer to DLK-225, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

1. CHECK CLOSE SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly.
- 3. Check continuity between back door lock assembly terminals.

Back door lo	ock assembly	Condition		Continuity	
Terminal		Condition		Continuity	
E 0		Back door	Fully closed	Existed	
	5 6 Back door		Open/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

DLK

Α

В

D

Е

F

Н

INFOID:0000000012408626

M

Ν

0

Р

Revision: October 2015 DLK-225 2016 Quest

B2421 CLUTCH OPERATION TIME

< DTC/CIRCUIT DIAGNOSIS >

B2421 CLUTCH OPERATION TIME

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2421	CLUTCH TIME OUT	When the automatic back door control unit detects the power distribution to the clutch for 2 minutes or more	Automatic back door control mod- ule Battery voltage (low voltage)

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-226</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012408628

- 1.check automatic back door control module power supply and ground circuit
- 1. Turn ignition switch OFF.
- Check automatic back door control module power supply and ground circuit.
 Refer to <u>DLK-244, "AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure"</u>.

Is the inspection result normal?

- YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.
- NO >> Repair or replace the malfunctioning parts.

B2422 BACK DOOR STATE

< DTC/CIRCUIT DIAGNOSIS >

B2422 BACK DOOR STATE

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2422	BACK DOOR STATE	When the automatic back door control unit detects back door position malfunction according to the pulse signal	Back door mechanism Automatic back door control module

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Turn ignition switch ON.
- 2. Operate automatic back door.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-227</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

1. REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

When DTC [B2422] is detected, replace automatic back door control module.

>> Replace automatic back door control module. Refer to <u>DLK-494</u>, "Removal and Installation".

DLK

J

Α

В

D

F

Н

INFOID:0000000012408630

N

0

Р

Revision: October 2015 DLK-227 2016 Quest

B2423 AUTOMATIC BACK DOOR MOTOR OPERATION TIME

< DTC/CIRCUIT DIAGNOSIS >

B2423 AUTOMATIC BACK DOOR MOTOR OPERATION TIME

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC detecting condition	Possible cause
B2423	ABD MTR TIME OUT	When the automatic back door control unit and automatic back door motor operate in the same direction for 30 seconds or more continuously	Back door mechanism Automatic back door control module Battery voltage (low battery)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- 2. Operate automatic back door.
- 3. Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-228, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012408632

1. CHECK AUTOMATIC BACK DOOR CONTROL MODULE POWER SUPPLY AND GROUND CIRCUIT

- Turn ignition switch OFF.
- Check automatic back door control module power supply and ground circuit.
 Refer to <u>DLK-244, "AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure"</u>.

Is the inspection result normal?

- YES >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".
- NO >> Repair or replace the malfunctioning parts.

B2424 CLOSURE CONDITION

< DTC/CIRCUIT DIAGNOSIS >

B2424 CLOSURE CONDITION

DTC Logic INFOID:0000000012408633

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC detecting condition	Possible cause
B2424	CLSR CONDITION	When the following condition is detected after OPEN/CLOSE operation of the back door closure motor • Open switch and close switch are ON	Harness or connector (Open switch or close switch circuit is open or shorted) Back door lock assembly

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Operate automatic back door.
- Check "Self Diagnostic Result" mode of "AUTO BACK DOOR" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-229</u>, "<u>Diagnosis Procedure</u>".

>> INSPECTION END NO

Diagnosis Procedure

1. CHECK AUTOMATIC BACK DOOR CONTROL MODULE OUTPUT

- Turn ignition switch OFF.
- Disconnect back door lock assembly connector.
- Check voltage between back door lock assembly harness connector and ground.

(+)		(–)	Voltage	
Back door lock a	assembly			
Connector Terminal				
D190	4	Ground	9 - 16 V	
	5	Ground	9 - 10 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

Revision: October 2015

2.check open/close switch circuit

- Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

Automatic back doc	or control module	Back door lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B8	20	D190	5	Existed
Во	24	D 190	4	Laisteu

Check continuity between automatic back door control module harness connector and ground.

Automatic back de	oor control module		Continuity	
Connector	Terminal	Ground	Continuity	
B8	20	Giodila	Not existed	
	24		INOL EXISTED	

DLK-229

Α

В

D

Е

F

INFOID:0000000012408634 Н

DLK

M

Ν

0

2016 Quest

B2424 CLOSURE CONDITION

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3. CHECK GROUND CIRCUIT

Check continuity between back door lock assembly harness connector and ground.

Back door lock as	ssembly		Continuity
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK OPEN/CLOSE SWITCH

Refer to DLK-230, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408635

1. CHECK OPEN/CLOSE SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly.
- 3. Check continuity between back door lock assembly terminals.

Back door lo	ock assembly	Condition		Continuity
Terminal		Conducti		Continuity
5	0	Back door lock	Fully closed	Existed
5			Open/half latch	Not existed
4	0		Open	Existed
4			Fully closed/half latch	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

B2425 AUTOMATIC BACK DOOR CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B2425 AUTOMATIC BACK DOOR CONTROL UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC Detection Condition	Possible cause
B2425	AUTO BCK DR CNT UNIT	Automatic back door control unit detected CPU malfunction	Automatic back door control module

Diagnosis Procedure

INFOID:0000000012408637

1. REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

When DTC [B2425] is detected, replace automatic back door control module.

>> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

Н

Α

В

C

D

Е

F

DLK

M

Ν

0

Р

Revision: October 2015 DLK-231 2016 Quest

B2621 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2621	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (instrument center) is sent to BCM	Inside key antenna (instrument center) Harness or connector (Front inside key antenna (instrument center) circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "WORK SUPPORT" of "INTELLIGENT KEY".
- 4. Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-232</u>, "<u>Diagnosis Procedure</u>".

NO >> Inside key antenna (instrument center) is OK.

Diagnosis Procedure

INFOID:0000000012408639

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(–)	Condition	Signal (Reference value)
Connector	Terminal			(
M124	84, 85	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA3839GB
IVI 12-4	04, 60	Giodila	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA5951GB

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

1. Disconnect BCM connector and inside key antenna (instrument center) connector.

B2621 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between BCM harness connector and inside key antenna (instrument center) harness connector.

В	BCM Inside key antenna (instrument center)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
M124	84	M105	1	Existed
IVI I Z 4	W124 85		2	LAISIEU

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M124	84	Giouna	Not existed
	85		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check inside key antenna input signal 2

- 1. Replace inside key antenna (instrument center). (New antenna or other antenna)
- 2. Connect BCM connector and inside key antenna (instrument center) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		Condition	Signal (Reference value)
Connector	Terminal			,
M124	84, 85	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA3839GB
	ŕ		When Intelligent Key is not in the antenna detection area	(V) 15 10 1

Is the inspection result normal?

YES >> Replace inside key antenna (instrument center).

NO >> Replace BCM. Refer to <u>BCS-99</u>, "Removal and Installation".

D

Α

В

F

Е

G

Н

J

DLK

M

Ν

0

B2622 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2622	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (console) is sent to BCM	Inside key antenna (console) Harness or connector (Front inside key antenna (console) circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "WORK SUPPORT" of "INTELLIGENT KEY".
- Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-234, "Diagnosis Procedure"</u>.

NO >> Inside key antenna (console) is OK.

Diagnosis Procedure

INFOID:0000000012408641

1.check inside key antenna input signal 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Condition	Signal (Reference value)
Connector	Terminal			
M124	86, 87	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA3839GB
<u>-</u>	56, 67	Sistema	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and inside key antenna (console) connector.
- Check continuity between BCM harness connector and inside key antenna (console) harness connector.

B2622 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

E	BCM	Inside key antenna (console)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M124	86	B242	1	Existed
IVI 124	87	0242	2	LXISIEU

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M124	86	Ground	Not existed
IVI 124	87		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

$3. \mathsf{CHECK}$ INSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace inside key antenna (console). (New antenna or other antenna)
- 2. Connect BCM connector and inside key antenna (console) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Condition	Signal (Reference value)
Connector	Terminal			(i toloronoo valao)
M124	86, 87	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA3839GB
WIZ	00, 07	Cround	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA5951GB

Is the inspection result normal?

YES >> Replace inside key antenna (console).

NO >> Replace BCM. Refer to <u>BCS-99</u>. "Removal and Installation".

DLK

Α

В

D

Е

F

Н

IVI

Ν

0

B2623 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2623	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (luggage room) is sent to BCM	Inside key antenna (luggage room) Harness or connector (Front inside key antenna (luggage room) circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "WORK SUPPORT" of "INTELLIGENT KEY".
- Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-236</u>, "<u>Diagnosis Procedure</u>".

NO >> Inside key antenna (luggage room) is OK.

Diagnosis Procedure

INFOID:0000000012408643

1.check inside key antenna input signal 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Condition	Signal (Reference value)
Connector	Terminal			
M124	88, 89	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA3839GB
WIE I	66, 66	Sidulid	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA5951GB

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and inside key antenna (luggage room) connector.
- Check continuity between BCM harness connector and inside key antenna (luggage room) harness connector.

B2623 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

E	BCM	Inside key antenna (luggage room)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M124	88	B241	1	Existed
IVI 12 4	89	D241	2	LXISIGU

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M124	88	Giouna	Not existed
101124	89		NOT EXISTED

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

$3. \mathsf{CHECK}$ INSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace inside key antenna (luggage room). (New antenna or other antenna)
- 2. Connect BCM connector and inside key antenna (luggage room) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(–) Condition		Signal (Reference value)	
Connector	Terminal			(Reference value)	
M124	88, 89	Ground	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA3839GB	
IVI 124	66, 69	Ground	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA5951GB	

Is the inspection result normal?

YES >> Replace inside key antenna (luggage room).

NO >> Replace BCM. Refer to <u>BCS-99</u>. "Removal and Installation".

DLK

Α

В

D

Е

F

Н

M

Ν

0

B2626 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

B2626 OUTSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2626	OUTSIDE ANTENNA	An excessive high or low voltage from front door right outside key antenna is sent to BCM	Front door right outside key antenna Harness or connector (Front door right outside key antenna circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "BCM" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-238</u>, "<u>Diagnosis Procedure</u>".

NO >> Outside key antenna (passenger side) is OK.

Diagnosis Procedure

INFOID:0000000012408645

1. CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(–)	Condition		Signal (Reference value)
Connector	Terminal				(1313.3133.1333)
M124	80, 81	Ground	When the passenger door request switch is	When Intelligent Key is in the antenna de- tection area (The dis- tance between Intelligent Key and an- tenna: 80 cm or less)	(V) 15 10 5 0 JMKIA5955GB
W12-4	50, 51	Ciouna	operated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 500 ms

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2.check outside key antenna circuit

- 1. Disconnect BCM connector and front door outside handle assembly RH connector.
- Check continuity between BCM harness connector and front door outside handle assembly RH harness connector.

B2626 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

E	ВСМ		Front door outside handle assembly RH		
Connector	Terminal	Connector	Terminal	Continuity	
M124	80	D31	1	Existed	
IVI I Z4	81	D31	2	LAISIEU	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector	Connector Terminal		Continuity	
M124	80	- Ground	Not existed	
IVI 124	81		Not existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 2

- Replace outside key antenna (passenger side). (New antenna or other antenna)
- 2. Connect BCM connector and front door outside handle assembly RH connector.
- Turn ignition switch ON.
- 4. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Condition		Signal (Reference value)	
Connector	Terminal	-			(Neierence value)	
M124	80, 81	Ground	When the passenger door request switch is	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB	
W1124	60, 61	Ground	operated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 5 0 JMKIA5954GB	

Is the inspection result normal?

YES >> Replace front door outside handle assembly RH (outside key antenna).

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

Н

Α

В

D

Е

DLK

M

Ν

0

B2627 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

B2627 OUTSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2627	OUTSIDE ANTENNA	An excessive high or low voltage from front door left outside key antenna is sent to BCM	Front door left outside key antenna Harness or connector (Front door left outside key antenna circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "BCM" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-240, "Diagnosis Procedure"</u>.

NO >> Outside key antenna (driver side) is OK.

Diagnosis Procedure

INFOID:0000000012408647

1. CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

	t) CM Terminal	(-)	Condition		Signal (Reference value)
M124	78.79	Ground	When the driver door request switch is oper-	When Intelligent Key is in the antenna de- tection area (The dis- tance between Intelligent Key and an- tenna: 80 cm or less)	(V) 15 10 5 0 JMKIA5955GB
IVI 124	10,19	Giounu	ated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 500 ms

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2. CHECK OUTSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and front door outside handle assembly LH connector.
- Check continuity between BCM harness connector and front door outside handle assembly LH harness connector.

B2627 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

E	ВСМ		Front door outside handle assembly LH	
Connector	Terminal	Connector	Terminal	Continuity
M124	78	D32	1	Existed
IVI 12 4	79	D32	2	LAISIEU

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M124	78	Giodila	Not existed
IVI 124	79		NOT EXISTED

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace outside key antenna (driver side). (New antenna or other antenna)
- 2. Connect BCM connector and front door outside handle assembly LH connector.
- 3. Turn ignition switch ON.
- 4. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Con	dition	Signal (Reference value)	
Connector	Terminal				(Reference value)	
M124	78.79	Ground	When the driver door request switch is oper-	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB	
W1124	10,19	Giodila	ated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 5 0 JMKIA5954GB	

Is the inspection result normal?

YES >> Replace front door outside handle assembly LH (outside key antenna).

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

С

Α

В

D

Е

F

G

Н

J

DLK

L

M

Ν

0

B2628 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

B2628 OUTSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC detecting condition	Possible cause
B2628	OUTSIDE ANTENNA	An excessive high or low voltage from outside key antenna (rear bumper) is sent to BCM	 Outside key antenna (rear bumper) Harness or connector (Outside key antenna (rear bumper) circuit is open or shorted)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Turn ignition switch ON.
- Check "Self Diagnostic Result" mode of "BCM" using CONSULT.

Is DTC detected?

YES >> Refer to <u>DLK-236</u>, "<u>Diagnosis Procedure</u>".

NO >> Outside key antenna (rear bumper) is OK.

Diagnosis Procedure

INFOID:0000000012408649

1. CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch ON.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(–)	Condition		Signal (Reference value)	
Connector	Terminal				(reference value)	
M124		Ground	When the back door request switch is oper-	When Intelligent Key is in the antenna de- tection area (The dis- tance between Intelligent Key and an- tenna: 80 cm or less)	(V) 15 10 5 0 JMKIA5955GB	
W124	82, 83	Glound	ated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 500 ms	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> GO TO 2.

2.CHECK OUTSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and outside key antenna (rear bumper) connector.
- 2. Check continuity between BCM harness connector and outside key antenna (rear bumper) harness connector.

B2628 OUTSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

Е	BCM	Outside key ante	Continuity	
Connector	Connector Terminal		Terminal	Continuity
M124	82	B303	1	Existed
IVI 12 4	83	B303	2	LAISIEU

3. Check continuity between BCM harness connector and ground.

В	CM			
Connector	Terminal	Ground	Continuity	
M124	82	Giodila	Not existed	
IVI 124	83		NOT EXISTED	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace outside key antenna (rear bumper). (New antenna or other antenna)
- 2. Connect BCM and outside key antenna (rear bumper) connector.
- 3. Turn ignition switch ON.
- 4. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM		(-)	Condition		Signal (Reference value)	
Connector	Terminal				(Reference value)	
M124	82, 83	Ground	When the back door request switch is oper-	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	15 10 5 0	
			ated with power switch ON	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 JMKIA5954GB	

Is the inspection result normal?

YES >> Replace outside key antenna (rear bumper).

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

DLK

Α

В

D

Е

Н

M

Ν

 \cap

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

POWER SUPPLY AND GROUND CIRCUIT AUTOMATIC BACK DOOR CONTROL MODULE

AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure

INFOID:0000000012408650

1. CHECK FUSE, FUSIBLE LINK AND CIRCUIT BREAKER

Check that the following fuse and fusible link are not blown (open).

Fuse and fusible link No.	Signal name	
J (40A)	Battery power supply	
9 (10A)	Battery power suppry	
3 (10A)	Ignition power supply	

Is the fuse or fusible link blown (open)?

YES >> Replace the blown (open) fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown (open).

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

- 1. Turn ignition switch OFF.
- Disconnect automatic back door control module connector.
- 3. Check voltage between automatic back door control module harness connector and ground.

(+) Automatic back door control module		(–)	Condition		Voltage
Connector	Connector Terminal				
	1			OFF	
B8	7	Ground	Ignition switch	ON	9 - 16 V
	9			OFF	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK GROUND CIRCUIT

Check continuity between automatic back door control module harness connector and ground.

Automatic back d	oor control module		Continuity	
Connector	Terminal	Ground	Continuity	
B8 11			Existed	

Does continuity exist?

YES >> INSPECTION END

NO >> Repair or replace harness.

BACK DOOR CONTROL UNIT

BACK DOOR CONTROL UNIT : Diagnosis Procedure

INFOID:0000000012408651

1. CHECK FUSE

Check that the following fusible link is not blown (open).

Fusible link	Signal name	
J (40A)	Battery power supply	

Is the fusible link blown (open)?

YES >> Replace the blown (open) fusible link after repairing the affected circuit if a fuse is blown (open).

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect back door control unit connector.
- 3. Check voltage between back door control unit harness connector and ground.

(+)		
Back door	control unit	(–)	Voltage
Connector	Terminal		
D181 3		Ground	8 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK GROUND CIRCUIT

Check continuity between back door control unit harness connector and ground.

Back door	control unit	- Continuit - Ground Existed	Continuity	
Connector	Terminal		Continuity	
D181	7		Evistad	
	8		Existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair or replace harness.

SLIDING DOOR CONTROL UNIT

SLIDING DOOR CONTROL UNIT: Diagnosis Procedure

1. CHECK FUSE, FUSIBLE LINK AND CIRCUIT BREAKER

1. Turn ignition switch OFF.

2. Check that the following fuse and fusible link are not blown (open).

Fuse and fusible link No.	Signal name	
3 (10 A)	Ignition power supply	
9 (10 A)	Pattony power cumply	
J(40 A)	Battery power supply	

Is the fuse or fusible link blown (open)?

YES >> Replace the blown (open) fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown (open).

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

- 1. Disconnect sliding door control unit connector.
- 2. Check voltage between sliding door control unit harness connector and ground.

DLK

INFOID:0000000012408652

Α

В

D

Е

Н

JLIN

M

Ν

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Sliding door LH					
(+)					
Sliding door c	ontrol unit LH	(-)	Con	Condition	
Connector	Terminal				
B45	6			ON	9 – 16 V
D40	12	Ground	lanition quitab	OFF	8 – 16 V
B46	36		Ignition switch		9 – 16 V
D40	42				9 – 16 V
Sliding door RH					
(+	+)				
Sliding door c	ontrol unit RH	(-)	Condition		Voltage
Connector	Terminal				
B247	6		Ignition switch	ON	9 – 16 V
D2 4 /	12	Ground			8 – 16 V
B248	36			OFF	0 461/
	42				9 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK GROUND CIRCUIT

Check continuity between sliding door control unit harness connector and ground.

Sliding door LH

Sliding door control unit LH			Continuity
Connector	Terminal		Continuity
B45	27	Ground	
B46	33		Existed
B40	37		

Sliding door RH

Sliding door control unit RH			Continuity
Connector	Terminal		Continuity
B247	27	Ground	
B248	33		Existed
D2 4 0	37		

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair or replace harness.

DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

DOOR SWITCH

Component Function Check

INFOID:0000000012408653

Α

В

D

Е

Н

1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT.
- 2. Select "DOOR SW-DR", "DOOR SW-AS", "DOOR SW-RL", "DOOR SW-RR", in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOOR SW-DR	Driver side door	Open	On
DOOK SW-DK	Driver side door	Closed	Off
DOOR SW-AS	Passenger side door	Open	On
DOOR SW-AS		Closed	Off
DOOR SW-RL	Sliding door LH	Open	On
DOOR SW-RL		Closed	Off
DOOR SW-RR	Sliding door RH	Open	On
		Closed	Off

Is the inspection result normal?

YES >> Door switch is OK.

NO >> Refer to <u>DLK-247</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408654

1. CHECK DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door switch connector.
- 3. Check signal between malfunctioning door switch harness connector and ground using oscilloscope.

(+)			Observed		
	Door switch		(–)	Signal (Reference value)	
Conne	ector	Terminal		(**************************************	
Driver side	B35				
Passenger side	B235			(V) 15 10 5	(V) 15
Sliding door LH	B71				10 5
Sliding door RH	B221	3	Ground	0 → 10ms PKIB4960J 7.0 - 8.0 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check door switch circuit

- Disconnect BCM connector.
- 2. Check continuity between door switch harness connector and BCM harness connector.

DLK

J

M

Ν

0

DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

	Door switch		В	СМ	Continuity	
Con	nector	Terminal	Connector	Terminal	Continuity	
Driver side	B35			47		
Passenger side	B235	3	2	M122	45	Existed
Sliding LH	B71		IVITZZ	48	Existed	
Sliding RH	B221			46		

3. Check continuity between door switch harness connector and ground.

Door switch				Continuity
Connector Terminal			Continuity	
Driver side	B35		Ground	
Passenger side	B235	3	Giouria	Not existed
Sliding LH	B71	3		Not existed
Sliding RH	B221			

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3. CHECK DOOR SWITCH

Refer to DLK-248, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace malfunctioning door switch.

4. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408655

1. CHECK DOOR SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door switch connector.
- 3. Check continuity between door switch terminals.

Door switch		Condition		Continuity
Terminal				Continuity
3	Ground part of door switch	Door switch	Pressed	Existed
	Ground part of door switch	DOOL SWITCH	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunction door switch.

BACK DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR SWITCH

Component Function Check

INFOID:0000000012408656

Α

В

D

Е

Н

DLK

M

0

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- 2. Select "DOOR SW-BK" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOOR SW-BK	Back door	Open	On
	Back door	Closed	Off

Is the inspection result normal?

YES >> Back door switch is OK.

NO >> Refer to <u>DLK-249</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408657

1. CHECK BACK DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect back door lock assembly connector.
- 3. Check signal between back door lock assembly harness connector and ground using oscilloscope.

	(+) por lock assembly (–)		Signal (Reference value)
Connector	Terminal		(1.0.0.0.00 1.0.00)
D190	7	Ground	(V) ₁₅ 10 5 0 **10ms JPMIA0593GB 9.0 - 10.0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK BACK DOOR SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- 2. Check continuity between back door lock assembly harness connector and BCM harness connector.

Back door lo	Back door lock assembly		ВСМ	
Connector	Terminal	Connector	Terminal	Continuity
D190	7	M122	43	Existed

3. Check continuity between back door lock assembly harness connector and ground.

Back door lo	ck assembly		Continuity
Connector	Terminal	Ground	Continuity
D190	7		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

BACK DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

3. CHECK BACK DOOR SWITCH GROUND CIRCUIT

Check continuity between back door lock assembly harness connector and ground.

Back door lo	ock assembly		Continuity
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK BACK DOOR SWITCH

Refer to DLK-250, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408658

1. CHECK BACK DOOR SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check continuity between back door lock assembly terminals.

Back door lock assembly		- Condition		Continuity
Terminal				
7	8	Back door lock	Lock	Existed
			Unlock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

DOOR LOCK AND UNLOCK SWITCH

WITH AUTOMATIC SLIDING DOOR

WITH AUTOMATIC SLIDING DOOR: Component Function Check

INFOID:0000000012408659

А

В

D

Е

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW	- Door lock and unlock switch	Lock	ON
		Unlock	OFF
CDL UNLOCK SW		Lock	OFF
		Unlock	ON

Is the inspection result normal?

YES >> Door lock and unlock switch is OK.

NO >> Refer to <u>DLK-251</u>, "WITH AUTOMATIC SLIDING DOOR : Diagnosis Procedure".

WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure

INFOID:0000000012408660

1. CHECK POWER WINDOW OPERATION

- 1. Turn ignition switch ON.
- 2. Check power window operation.

Does power window operate?

YES >> Replace the malfunctioning power window switch.

>> Refer to PWC-54, "POWER WINDOW MAIN SWITCH: Diagnosis Procedure" (power window main switch), PWC-55, "FRONT POWER WINDOW SWITCH (PASSENGER SIDE): Diagnosis Procedure" [front power window switch (passenger side)].

WITHOUT AUTOMATIC SLIDING DOOR

WITHOUT AUTOMATIC SLIDING DOOR : Component Function Check

OID:0000000012408

1. CHECK FUNCTION

NO

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW	Door lock and unlock switch	Lock	ON
		Unlock	OFF
CDL UNLOCK SW		Lock	OFF
		Unlock	ON

Is the inspection result normal?

YES >> Door lock and unlock switch is OK.

NO >> Refer to <u>DLK-251</u>, "<u>WITHOUT AUTOMATIC SLIDING DOOR</u>: <u>Diagnosis Procedure</u>".

WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure

INFOID:0000000012408662

POWER WINDOW MAIN SWITCH

1. CHECK DOOR LOCK AND UNLOCK SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.

Revision: October 2015 DLK-251 2016 Quest

DLK

_

M

Ν

P

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

- 2. Disconnect power window main switch connector.
- 3. Check signal between power window main switch harness connector and ground using oscilloscope.

(+) Power window main switch		(-)	Signal (Reference value)	
Connector	Terminal		(3.3.3.3.7	
D6	18			
D5	6	Ground	(V) 15 10 10 ms JPMIA0012GB 1.0 - 1.5 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK DOOR LOCK AND UNLOCK SWITCH CIRCUIT

- 1. Disconnect BCM connector and power window main switch connector.
- 2. Check continuity between BCM harness connector and power window main switch harness connector.

всм		Power window main switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	12	D6	18	Existed
	13	D5	6	LAISIEU

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M121	12	Not exis	Not existed
	13		NOT EXISTED

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3.CHECK DOOR LOCK AND UNLOCK SWITCH GROUND

Check continuity between power window main switch harness connector and ground.

Power window main switch			Continuity
Connector Terminal		Ground	Continuity
D6	17		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR LOCK AND UNLOCK SWITCH

Refer to DLK-254, "WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace power window main switch. Refer to PWC-126, "Removal and Installation".

5. CHECK INTERMITTENT INCIDENT

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

FRONT POWER WINDOW SWITCH (PASSENGER SIDE)

1. CHECK DOOR LOCK AND UNLOCK SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect front power window switch (passenger side) connector.
- 3. Check signal between front power window switch (passenger side) harness connector and ground using oscilloscope.

front power window swi		(-)	Signal (Reference value)	
Connector	Terminal		(
	1			
D56	2	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB 1.0 - 1.5 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK DOOR LOCK AND UNLOCK SWITCH CIRCUIT

- 1. Disconnect BCM connector and front power window switch (passenger side) connector.
- Check continuity between BCM harness connector and front power window switch (passenger side) harness connector.

BCM front		front power window s	witch (passenger side)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	12	D56	1	Existed
IVI I Z I	13		2	LAISIGU

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M121	12	Giouna	Not existed
IVITZT	13		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3.CHECK DOOR LOCK AND UNLOCK SWITCH GROUND

Check continuity between front power window switch (passenger side) harness connector and ground.

front power window s	witch (passenger side)		Continuity	
Connector	Connector Terminal		Continuity	
D56	3		Existed	

Is the inspection result normal?

Revision: October 2015 DLK-253 2016 Quest

DLK

Α

В

D

Е

N

0

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR LOCK AND UNLOCK SWITCH

Refer to DLK-254, "WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front power window switch (passenger side). Refer to PWC-126, "Removal and Installation".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection

INFOID:0000000012408663

POWER WINDOW MAIN SWITCH

1. CHECK DOOR LOCK AND UNLOCK SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect power window main switch connector.
- 3. Check continuity between power window main switch terminals.

Power window main switch		Condition		Continuity
Terminal				
18		Door lock and unlock switch	LOCK	Existed
10	17		UNLOCK	Not existed
6	17		LOCK	Not existed
			UNLOCK	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace power window main switch.

FRONT POWER WINDOW SWITCH (PASSENGER SIDE)

1. CHECK DOOR LOCK AND UNLOCK SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect front power window switch (passenger side) connector.
- 3. Check continuity between front power window switch (passenger side) terminals.

Front power window switch (passenger side) Terminal		Condition		Continuity
				Continuity
1			LOCK	Existed
ı	2	Door lock and unlock switch	UNLOCK	Not existed
2	3		LOCK	Not existed
2			UNLOCK	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace front power window switch (passenger side).

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

DOOR LOCK ACTUATOR

DRIVER SIDE

DRIVER SIDE : Component Function Check

INFOID:0000000012408664

Α

В

D

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LOCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-255</u>, "<u>DRIVER SIDE</u>: <u>Diagnosis Procedure</u>".

DRIVER SIDE: Diagnosis Procedure

INFOID:0000000012408665

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (driver side) connector.
- 3. Check voltage between front door lock assembly (driver side) harness connector and ground.

(+)				
Front door lock assembly (driver side)		(–)	Condition		Voltage
Connector	Terminal				
D48	1	Ground	Door lock and unlock switch	Lock	9 - 16 V
D40	2	Ground	DOOL LOCK AND UNIOCK SWITCH	Unlock	9 - 10 V

Is the inspection result normal?

YES >> Replace front door lock assembly (driver side).

NO >> GO TO 2.

2.check door lock actuator circuit

1. Disconnect BCM, all door lock actuators connector.

2. Check continuity between BCM harness connector and front door lock assembly (driver side) harness connector.

В	ВСМ		Front door lock assembly (driver side)	
Connector	Terminal	Connector	Terminal	Continuity
M123	65	D48	1	Existed
M123	66	D40	2	LAISIEU

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M123	65	Giouna	Not existed
IVI 123	66		inot existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK BCM OUTPUT SIGNAL

- Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

DLK

Н

L

Ν

0

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

(+)				
В	CM	(–)	Condition		ion Voltage
Connector	Terminal				
M123	65	Ground	Door lock and unlock switch	Lock	9 - 16 V
IVITZS	M123 66		Door lock and unlock switch	Unlock	9 - 10 V

Is the inspection result normal?

YES >> Check for internal short of door lock actuator.

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

PASSENGÉR SIDE

PASSENGER SIDE: Component Function Check

INFOID:0000000012408666

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- 2. Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LOCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-256</u>, "<u>PASSENGER SIDE</u>: <u>Diagnosis Procedure</u>".

PASSENGER SIDE: Diagnosis Procedure

INFOID:0000000012408667

1.CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (passenger side) connector.
- 3. Check voltage between front door lock assembly (passenger side) harness connector and ground.

((+)		(–) Condition		Voltage
	Front door lock assembly (passenger side)				
Connector	Terminal				
D9	5	Ground	Door lock and unlock switch	Lock	9 - 16 V
D9	6		Door lock and unlock Switch	Unlock	9-10 V

Is the inspection result normal?

YES >> Replace front door lock assembly (passenger side).

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT

- 1. Disconnect BCM, all door lock actuators connector.
- Check continuity between BCM harness connector and front door lock assembly (passenger side) harness connector.

BCM		Front door lock assembly (passenger side)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M123	65	D9	5	Existed	
W1123	59	D9	6	LAISIEU	

3. Check continuity between BCM harness connector and ground.

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

	BCM		Continuity
Connector	Terminal	Ground	Continuity
M123	65	Ground	Not existed
101123	59		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

	+) CM	()	Condition		Voltage
Connector	Terminal	(-)	Condition		voltage
M123	65	Ground	Door lock and unlock switch	Lock	9 - 16 V
W123	59	Giouna	Door lock and unlock switch	Unlock	9-16 V

Is the inspection result normal?

YES >> Check for internal short of door lock actuator.

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

DLK

M

N

0

Р

Revision: October 2015 DLK-257 2016 Quest

Α

В

 D

Е

F

Н

J

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR LOCK ACTUATOR WITH AUTOMATIC SLIDING DOOR

WITH AUTOMATIC SLIDING DOOR: Component Function Check

INFOID:0000000012408668

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- Touch "ALL LOCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-261</u>, "WITHOUT AUTOMATIC SLIDING DOOR : Diagnosis Procedure".

WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure

INFOID:0000000012408669

Sliding door lock assembly LH

1.CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly LH connector.
- Check voltage between sliding door lock assembly LH harness connector and ground.

(-	+)						
Sliding door loo	ck assembly LH	(–)	Condition		Voltage		
Connector	Terminal						
	2	Ground	Door lock and unlock switch	Lock	9 - 16 V		
D03	1		Door lock and unlock switch	Unlock	3 - 10 V		

Is the inspection result normal?

YES >> Replace sliding door lock assembly.

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT 1

- 1. Disconnect BCM, all door lock actuators connector.
- Check continuity between BCM harness connector and sliding door lock assembly LH harness connector.

В	CM	Sliding door lo	ck assembly LH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M123	65	D85	2	Existed

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M123	65		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK DOOR LOCK ACTUATOR CIRCUIT $\scriptscriptstyle 2$

- 1. Disconnect selective unlock relay connector.
- Check continuity between selective unlock relay harness connector and sliding door lock assembly LH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Selective u	Selective unlock relay		ck assembly LH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M91	3	D85	1	Existed

3. Check continuity between BCM harness connector and ground.

Selective unlock relay			Continuity
Connector	Terminal	Ground	Continuity
M91	3		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK SELECTIVE UNLOCK RELAY GROUND CIRCUIT

- 1. Disconnect selective unlock relay connector.
- 2. Check continuity between selective unlock relay harness connector and ground.

Selective u	unlock relay		Continuity
Connector	Terminal	Ground	Continuity
M91	4		Existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK SELECTIVE UNLOCK RELAY

Check selective unlock relay.

Refer to DLK-264, "Component Inspection"

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace selective unlock relay.

6.CHECK BCM OUTPUT SIGNAL

- Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(+) BCM		(-)	Condition		Voltage
Connector	Terminal		Condition		romago
M123	65			Lock	9 - 16 V
M122	50	Ground	Door lock and un- lock switch	Unlock	0 V
IVI I Z Z	50			Other than above	9 - 16 V

Is the inspection result normal?

YES >> Check for internal short of door lock actuator.

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

Sliding door lock assembly RH

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly RH connector.
- 3. Check voltage between sliding door lock assembly RH harness connector and ground.

DLK

Α

В

D

Е

Н

L

N

IVI

Ν

< DTC/CIRCUIT DIAGNOSIS >

(-	+)				
Sliding door loo	ck assembly RH	(–)	Condition		Voltage
Connector	Terminal				
D105	2	Ground	Door lock and unlock switch	Lock	9 - 16 V
D103	1	Ground	Door lock and unlock switch	Unlock	9 - 10 V

Is the inspection result normal?

YES >> Replace sliding door lock assembly.

NO >> GO TO 2.

2.check door lock actuator circuit

- 1. Disconnect BCM, all door lock actuators connector.
- Check continuity between BCM harness connector and sliding door lock assembly RH harness connector.

В	CM	Sliding door lock assembly RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M123	65	D105	2	Existed
M122	55	D103	1	LXISIEU

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector	Terminal	Ground	Continuity	
M123	65	Ground	Not existed	
M122	55		inot existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(+)					
В	СМ	(–)	Condition		Condition Voltage	Voltage
Connector	Terminal					
M123	65	Ground	Door lock and unlock switch	Lock	9 - 16 V	
M122	55	Giouna	DOOL LOCK AND UNIOCK SWILCH	Unlock	9-10 V	

Is the inspection result normal?

YES >> Check for internal short of door lock actuator.

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

WITH AUTOMATIC SLIDING DOOR: Component Inspection

INFOID:0000000012408670

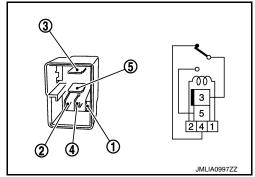
1. CHECK SELECTIVE UNLOCK RELAY

- Turn ignition switch OFF.
- 2. Remove selective unlock relay.

< DTC/CIRCUIT DIAGNOSIS >

Check the continuity between selective unlock relay terminals under the following conditions.

Terminal		Condition	Continuity
		No current supply	Existed
4	3	12 V direct current supply between terminals 1 and 2.	Not existed
5	3	12 V direct current supply between terminals 1 and 2.	Existed
		No current supply	Not existed



Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace selective unlock relay.

WITHOUT AUTOMATIC SLIDING DOOR

WITHOUT AUTOMATIC SLIDING DOOR: Component Function Check

INFOID:0000000012408671

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- 2. Select "DOOR LOCK" in "ACTIVE TEST" mode.
- Touch "ALL LOCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to DLK-261, "WITHOUT AUTOMATIC SLIDING DOOR : Diagnosis Procedure".

WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure

INFOID:0000000012408672

1.check door lock actuator input signal

- Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly LH connector and sliding door lock assembly RH connector.
- Check voltage between sliding door lock assembly LH/RH harness connector and ground.

	(+)					
Sliding door lock assembly		(–)	Condition		Voltage	
Conr	nector	Terminal				
LH	D85	2			Lock	
LII	D03	1	Ground	Door lock and unlock		9 - 16 V
RH	D105	2	Giodila	switch	Lock	9-10 V
IXII	1				Unlock	

Is the inspection result normal?

YES >> Replace sliding door lock assembly.

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT

- 1. Disconnect BCM, all door lock actuators connector.
- Check continuity between BCM harness connector and sliding door lock assembly LH/RH harness connector.

DLK

Α

В

D

Е

F

Н

_

M

Ν

 \cap

Р

Revision: October 2015 DLK-261 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

BCM		Sliding door lock assembly		Continuity	
Con	nector	Terminal	Connector	Terminal	Continuity
LH	M123	65	D85	2	
LH	M122	55		1	Evioted
DU	M123 65 D105		2	Existed	
RH	M122	55	D105	1	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M123	65	Ground	Not existed
M122	55		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(-	+)		Condition		
ВС	CM	(–)			Condition Voltage
Connector	Terminal				
M123	65	Ground	Door lock and unlock switch	Lock	9 - 16 V
M122	55	Giouna	DOOL LOCK AND UNIOCK SWILCH	Unlock	9-10 V

Is the inspection result normal?

YES >> Check for internal short of each door lock actuator and fuel lid lock actuator.

NO >> Replace BCM. Refer to BCS-99. "Removal and Installation".

SELECT UNLOCK RELAY

< DTC/CIRCUIT DIAGNOSIS >

SELECT UNLOCK RELAY

Component Function Check

INFOID:0000000012408673

Α

В

Е

Н

1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL UNLK" to check that it works normally of sliding door LH.

Is the inspection result normal?

YES >> Selective unlock relay is OK.

>> Refer to DLK-263, "Diagnosis Procedure". NO

D

INFOID:0000000012408674

Diagnosis Procedure

1. CHECK SELECTIVE UNLOCK RELAY POWER SUPPLY 1

- 1. Turn ignition switch OFF.
- 2. Disconnect BCM connector.
- Check voltage between BCM harness connector and ground.

(+)		
В	CM	(–)	Voltage (V)
Connector Terminal			
M122	50	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 2.

2.CHECK SELECTIVE UNLOCK RELAY POWER SUPPLY 2

- Disconnect selective unlock relay connector.
- Check voltage between selective unlock relay and ground.

(+)			
Selective (unlock relay	(–)	Voltage (V)	
Connector	Terminal			
M91	1	Ground	9 - 16 V	
IVIS I	5	Ground	9 - 10 V	

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.DETECT MALFUNCTIONING PART

Check the following.

- 10 A fuse (#6)
- Harness for open or short between selective unlock relay harness connector and battery terminal.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

4. CHECK SELECTIVE UNLOCK RELAY CIRCUIT

- Disconnect BCM connector.
- 2. Check continuity between selective unlock relay harness connector and BCM harness connector.

DLK

Ν

SELECT UNLOCK RELAY

< DTC/CIRCUIT DIAGNOSIS >

Selective u	Selective unlock relay		СМ	Continuity	
Connector	Terminal	Connector Terminal		Continuity	
M91	2	M122	50	Existed	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M122	50		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK SELECTIVE UNLOCK RELAY

Check selective unlock relay.

Refer to DLK-264, "Component Inspection"

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace selective unlock relay.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident"

>> INSPECTION END

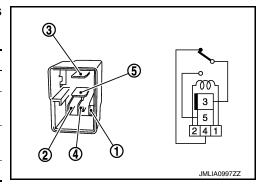
Component Inspection

INFOID:0000000012408675

1. CHECK SELECTIVE UNLOCK RELAY

- 1. Turn ignition switch OFF.
- 2. Remove selective unlock relay.
- 3. Check the continuity between selective unlock relay terminals under the following conditions.

Terr	ninal	Condition	Continuity
		No current supply	Existed
4	3	12 V direct current supply between terminals 1 and 2.	Not existed
5	3	12 V direct current supply between terminals 1 and 2.	Existed
		No current supply	Not existed



Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace selective unlock relay.

UNLOCK SENSOR

Component Function Check

INFOID:0000000012408676

Α

В

D

Е

Н

DLK

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "UNLK SEN-DR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
UNLK SEN -DR	Driver side door	Lock	OFF
ONLIN SEIN -DIN	Driver side door	Unlock	ON

Is the inspection result normal?

YES >> Unlock sensor is OK.

NO >> Refer to <u>DLK-265, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000012408677

1. CHECK UNLOCK SENSOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect front door lock assembly (driver side) connector.
- Check signal between front door lock assembly (driver side) harness connector and ground with oscilloscope.

Front door lock ass	(+) Front door lock assembly (driver side) Connector Terminal		Signal (Reference value)
D48	3	Ground	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

M

Ν

0

2. CHECK UNLOCK SENSOR CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and front door lock assembly (driver side) harness connector.

В	BCM Front		Front door lock assembly (driver side)	
Connector	Terminal	Connector Terminal		Continuity
M121	31	D48	3	Existed

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M121	31		Not existed

Is the inspection result normal?

UNLOCK SENSOR

< DTC/CIRCUIT DIAGNOSIS >

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3.check unlock sensor ground circuit

Check continuity between front door lock assembly (driver side) harness connector and ground.

Front door lock assembly (driver side)			Continuity
Connector	Terminal	Ground	Continuity
D48	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK UNLOCK SENSOR

Refer to DLK-266, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front door lock assembly (driver side).

5.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408678

1. CHECK UNLOCK SENSOR

- Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (driver side) connector.
- 3. Check continuity between front door lock assembly (driver side) terminals.

Front door lock assembly (driver side)		Condition		Continuity				
Terr	Terminal		Condition					
3	4	Driver side door	Unlock	Existed				
	4	Driver side door	Lock	Not existed				

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace front door lock assembly (driver side).

< DTC/CIRCUIT DIAGNOSIS >

DOOR KEY CYLINDER SWITCH WITH AUTOMATIC SLIDING DOOR

WITH AUTOMATIC SLIDING DOOR: Component Function Check INFOID:0000000012408679

1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "KEY CYL LK-SW", "KEY CYL UN-SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KEY CYL LK-SW		Lock	ON
	- Driver side door key cylinder	Neutral / Unlock	OFF
KEY CYL UN-SW		Unlock	ON
		Neutral / Lock	OFF

Is the inspection result normal?

YES >> Door key cylinder switch is OK.

>> Refer to DLK-267, "WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure".

WITH AUTOMATIC SLIDING DOOR: Diagnosis Procedure

INFOID:0000000012408680

1. CHECK DOOR KEY CYLINDER SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect front door lock assembly (driver side) connector. 2.
- Check voltage between front door lock assembly (driver side) harness connector and ground.

	(+) Front door lock assembly (driver side)		Signal (Reference value)	
Connector	Terminal		,	
	5		40	
D48	6	Ground	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK DOOR KEY CYLINDER SWITCH SIGNAL CIRCUIT

- Disconnect power window main switch connector.
- 2. Check continuity between power window main switch harness connector and front door lock assembly (driver side) harness connector.

Power windo	w main switch	Front door lock assembly (driver side)		Continuity
Connector	Terminal	Connector Terminal		Continuity
D5	4	D48	6	Existed
53	6	D40	5	LAISIEU

Check continuity between power window main switch harness connector and ground.

DLK

Α

В

D

Е

Н

Ν

< DTC/CIRCUIT DIAGNOSIS >

Power wind	Power window main switch		Continuity
Connector	Terminal	Ground	Continuity
	4	Ground	Not existed
DJ	6		NOT EXISTED

Is the inspection result normal?

YES >> Replace power window main switch. Refer to PWC-70, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK DOOR KEY CYLINDER SWITCH GROUND CIRCUIT

Check continuity between front door lock assembly (driver side) harness connector and ground.

Front door lock assembly (driver side)			Continuity
Connector	Terminal	Ground	Continuity
D48	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK DOOR KEY CYLINDER SWITCH

Refer to DLK-268, "WITH AUTOMATIC SLIDING DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front door lock assembly (driver side).

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

WITH AUTOMATIC SLIDING DOOR: Component Inspection

INFOID:0000000012408681

1. CHECK DOOR KEY CYLINDER SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (driver side) connector.
- 3. Check continuity between front door lock assembly (driver side) terminals.

Front door lock assembly (driver side) Terminal		Condition		Continuity
3	6	Driver eide deer key eylinder	Neutral / Lock	Not existed
6		Driver side door key cylinder	Lock	Existed
			Neutral / Unlock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace front door lock assembly (driver side).

WITHOUT AUTOMATIC SLIDING DOOR

WITHOUT AUTOMATIC SLIDING DOOR : Component Function Check

INFOID:0000000012408682

1. CHECK FUNCTION

1. Select "DOOR LOCK" of "BCM" using CONSULT.

Revision: October 2015 DLK-268 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

- 2. Select "KEY CYL LK-SW", "KEY CYL UN-SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KEY CYL LK-SW		Lock	ON
	- Driver side door key cylinder	Neutral / Unlock	OFF
KEY CYL UN-SW		Unlock	ON
		Neutral / Lock	OFF

Is the inspection result normal?

YES >> Door key cylinder switch is OK.

NO >> Refer to <u>DLK-269</u>, "<u>WITHOUT AUTOMATIC SLIDING DOOR</u>: <u>Diagnosis Procedure</u>".

WITHOUT AUTOMATIC SLIDING DOOR: Diagnosis Procedure

1. CHECK DOOR KEY CYLINDER SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (driver side) connector.
- 3. Check voltage between front door lock assembly (driver side) harness connector and ground.

	(+) Front door lock assembly (driver side)		Signal (Reference value)
Connector	Terminal		(Notoronoe value)
	5		
D48	6	Ground	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK DOOR KEY CYLINDER SWITCH SIGNAL CIRCUIT

- Disconnect BCM connector.
- Check continuity between BCM harness connector and front door lock assembly (driver side) harness connector.

В	CM	Front door lock assembly (driver side)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	8	D48	6	Existed
IVITZT	7	D+0	5	LXISIEU

3. Check continuity between BCM harness connector and ground.

BCM			Continuity	
Connector	Terminal	Ground	Continuity	
M121	8		Not existed	
IVI I Z I	7		Not existed	

Is the inspection result normal?

- YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".
- NO >> Repair or replace harness.

DLK

Α

В

D

Е

Н

INFOID:0000000012408683

M

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

${f 3.}$ CHECK DOOR KEY CYLINDER SWITCH GROUND CIRCUIT

Check continuity between front door lock assembly (driver side) harness connector and ground.

Front door lock as	sembly (driver side)		Continuity
Connector	Terminal	Ground	Continuity
D48	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR KEY CYLINDER SWITCH

Refer to DLK-270, "WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front door lock assembly (driver side).

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

WITHOUT AUTOMATIC SLIDING DOOR: Component Inspection

INFOID:0000000012408684

1. CHECK DOOR KEY CYLINDER SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect front door lock assembly (driver side) connector.
- 3. Check continuity between front door lock assembly (driver side) terminals.

Front door lock ass	embly (driver side)	Condition		Continuity
Terminal		Condition		Continuity
5			Unlock	Existed
5	6	Driver eide deer key eylinder	Neutral / Lock	Not existed
6		Driver side door key cylinder	Lock	Existed
6			Neutral / Unlock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace front door lock assembly (driver side).

REMOTE KEYLESS ENTRY RECEIVER

< DTC/CIRCUIT DIAGNOSIS >

REMOTE KEYLESS ENTRY RECEIVER

Component Function Check

INFOID:0000000012408685

Α

В

D

Е

Н

1. CHECK FUNCTION

- Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN1	Checks whether value changes when operating Intelligent Key

Is the inspection result normal?

YFS >> Remote keyless entry receiver is OK.

>> Refer to DLK-271, "Diagnosis Procedure". NO

Diagnosis Procedure

INFOID:0000000012408686

1.CHECK REMOTE KEYLESS ENTRY RECEIVER POWER SUPPLY

- Turn ignition switch OFF.
- 2. Disconnect remote keyless entry receiver connector.
- Check voltage between remote keyless entry receiver harness connector and ground.

(+)			
Remote keyless entry receiver		(–)	Voltage
Connector	Terminal		
R108	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2. 2.DETECT MALFUNCTIONING PART

Check the following.

- 10 A fuse (#10)
- Harness for open or short between selective unlock relay harness connector and battery terminal.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REMOTE KEYLESS ENTRY RECEIVER GROUND CIRCUIT 1 $\,$

- Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and remote keyless entry receiver harness connector.

В	CM	Remote keyless entry receiver		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	18	R108	4	Existed

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M121	18		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness. DLK

M

Ν

0

REMOTE KEYLESS ENTRY RECEIVER

< DTC/CIRCUIT DIAGNOSIS >

4. CHECK REMOTE KEYLESS ENTRY RECEIVER OUTPUT SIGNAL

- 1. Connect remote keyless entry receiver connector and BCM connector.
- 2. Check signal between remote keyless entry receiver harness connector and ground using oscilloscope.

erminal			(Reference value)
		Waiting	(Approx.) 12 V
2	Ground	Press the Intelligent Key lock or unlock button	(V) 15 10 5 0 200 ms
	2	2 Ground	Key lock or unlock

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace remote keyless entry receiver.

5. CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT

- 1. Disconnect BCM and remote keyless entry receiver connector.
- 2. Check continuity between BCM harness connector and remote keyless entry receiver harness connector.

В	CM	Remote keyles	ss entry receiver	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	38	R108	2	Existed

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M121	38		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

DOOR REQUEST SWITCH

Component Function Check

INFOID:0000000012408687

Α

В

D

Е

F

Н

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "REQ SW-DR", "REQ SW-AS" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition	Condition		
DEO SW. DD	REQ SW -DR Driver side door request switch		ON	
NEQ 3W -DIX			OFF	
REQ SW -AS	O CW AC		ON	
REQ SW -AS	Passenger side door request switch	Released	OFF	

Is the inspection result normal?

YES >> Front door request switch is OK.

NO >> Refer to <u>DLK-273, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000012408688

1. CHECK DOOR REQUEST SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning front door outside assembly connector.
- 3. Check voltage between malfunctioning front door outside handle assembly harness connector and ground.

(+)				
Front door outside handle assembly			(–)	Voltage
Connector Terminal				
LH	D32	2	Ground	9 - 16 V
RH	D31	3	Giouna	9 - 10 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check door request switch circuit

- 1. Disconnect BCM connector.
- 2. Check continuity between malfunctioning front door outside handle assembly harness connector and BCM harness connector.

Front door outside handle assembly		В	Continuity		
Coni	nector	Terminal	Connector	Terminal	Continuity
LH	D32	3	M124	75	Existed
RH	D31		101124	100	LAISIGU

3. Check continuity between malfunctioning front door outside handle assembly harness connector and ground.

Front door outside handle assembly				Continuity	
Connector		Terminal	Cround	Continuity	
LH	D32	2	Ground	Not existed	
RH	D31	3		inot existed	

Is the inspection result normal?

Revision: October 2015 DLK-273 2016 Quest

DLK

 \mathbb{N}

Ν

0

DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3.check door request switch ground circuit

Check continuity between malfunctioning front door outside handle assembly harness connector and ground.

Front door outside handle assembly				Continuity	
Connector		Terminal	Ground	Continuity	
LH	D32	4	Giouna	Existed	
RH	D31	4		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR REQUEST SWITCH

Refer to DLK-274, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace malfunctioning front door outside handle assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408689

1. CHECK DOOR REQUEST SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning front door request switch connector.
- 3. Check continuity between malfunctioning front door request switch terminals.

Front door request switch		Condition		Continuity
Terminal				Continuity
2 4	Door request switch	Pressed	Existed	
	4	Door request switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunctioning front door outside handle assembly.

BACK DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR REQUEST SWITCH

Component Function Check

INFOID:0000000012408690

Α

В

D

Е

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "REQ SW-BD/TR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
REQ SW-BD/TR B	Back door request switch	Pressed	On
	Back door request switch	Released	Off

Is the inspection result normal?

YES >> Back door request switch is OK.

NO >> Refer to <u>DLK-275</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408691

1. CHECK BACK DOOR REQUEST SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect back door opener switch assembly connector.
- 3. Check voltage between back door opener switch assembly harness connector and ground.

(+)				
Back door opener switch assembly		(–)	Voltage	
Connector	Terminal			
D186	4	Ground	9 - 16 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK BACK DOOR REQUEST SWITCH CIRCUIT

1. Disconnect BCM connector.

Check continuity between BCM harness connector and back door opener switch assembly harness connector.

ВСМ		Back door opener switch assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M122	51	D186	4	Existed

3. Check continuity between BCM harness connector and ground.

В	ВСМ		Continuity	
Connector	Connector Terminal		Continuity	
M122	51		Not existed	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Repair or replace harness.

3.CHECK BACK DOOR REQUEST SWITCH GROUND CIRCUIT

Check continuity between back door opener switch assembly harness connector and ground.

DLK

M

L

Ν

BACK DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Back door opene	Back door opener switch assembly		Continuity
Connector Terminal		Ground	Continuity
D186	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK BACK DOOR REQUEST SWITCH

Refer to DLK-276, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door opener switch assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408692

1. CHECK BACK DOOR REQUEST SWITCH

- 1. Turn ignition switch OFF.
- Disconnect back door opener switch assembly connector.
- 3. Check continuity between back door opener switch assembly terminals.

Back door opener switch assembly		Condition		Continuity
Terminal				
3 4	4	Back door request switch	Pressed	Existed
	Back door request switch	Released	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door opener switch assembly.

BACK DOOR OPENER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR OPENER SWITCH

Component Function Check

INFOID:0000000012408693

Α

В

D

Е

Н

1. CHECK FUNCTION

- 1. Select "TRUNK" of "BCM" using CONSULT.
- 2. Select "TR/BD OPEN SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Con	Status	
TR/BD OPEN SW	Back door opener switch	Pressed	ON
	Back door opener switch	Released	OFF

Is the inspection result normal?

YES >> Back door opener switch is OK.

NO >> Refer to <u>DLK-277</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408694

1. CHECK BACK DOOR OPEN INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect back door opener switch assembly connector.
- 3. Check signal between back door opener switch assembly harness connector and ground.

	(+) Back door opener switch assembly		Signal (Reference value)	
Connector	Terminal			
D186	1	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB 1.0 - 1.5 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK BACK DOOR OPENER SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and back door opener switch assembly harness connector.

В	BCM Back door opener switch assembly		Back door opener switch assembly		
Connector	Terminal	Connector Terminal		Continuity	
M121	30	D186	1	Existed	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector Terminal		Ground	Continuity	
M121	30		Not existed	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

Revision: October 2015 DLK-277 2016 Quest

DLK

.

M

14

0

BACK DOOR OPENER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

${f 3.}$ CHECK BACK DOOR OPENER SWITCH GROUND CIRCUIT

Check continuity between back door opener switch assembly harness connector and ground.

Back door opener switch assembly				Continuity	
	Connector Terminal		Ground	Continuity	
-	D186	2		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK BACK DOOR OPENER SWITCH

Refer to DLK-278, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door opener switch assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408695

1. CHECK BACK DOOR OPENER SWITCH

- Turn ignition switch OFF.
- 2. Disconnect back door opener switch assembly connector.
- 3. Check continuity between back door opener switch assembly terminals.

Back door opener switch assembly		Condition		Continuity
Terminal				Continuity
1	2	Back door opener	Pressed	Existed
I	2	switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door opener switch assembly.

INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

INTELLIGENT KEY WARNING BUZZER

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "OUTSIDE BUZZER" in "ACTIVE TEST" mode.
- 3. Touch "On" or "Off" to check that it works normally.

Is the inspection result normal?

YES >> Intelligent Key warning buzzer is OK.

NO >> Refer to <u>DLK-279</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

1. CHECK FUSE

1. Turn ignition switch OFF.

2. Check 15 A fuse, [No. 6, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK INTELLIGENT KEY WARNING BUZZER POWER SUPPLY CIRCUIT

1. Disconnect Intelligent Key warning buzzer connector.

2. Check voltage between Intelligent Key warning buzzer harness connector and ground.

(+)			
Intelligent Key warning buzzer		(–)	Voltage
Connector	Terminal		
E26	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check intelligent key warning buzzer circuit

- 1. Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and Intelligent Key warning buzzer harness connector.

В	CM	Intelligent Key warning buzzer		Continuity
Connector	Terminal	Connector Terminal		Continuity
M124	93	E26	3	Existed

Check continuity between BCM harness connector and ground.

BCM			Continuity	
Connector Terminal		Ground	Continuity	
M124	93		Not existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK INTELLIGENT KEY WARNING BUZZER

Refer to DLK-280, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-99, "Removal and Installation".

NO >> Replace Intelligent Key warning buzzer.

Revision: October 2015 DLK-279 2016 Quest

DLK

Α

D

Е

Н

INFOID:0000000012408696

INFOID:0000000012408697

M

Ν

. .

0

INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

Component Inspection

INFOID:0000000012408698

$1. {\sf CHECK\ INTELLIGENT\ KEY\ WARNING\ BUZZER}$

- 1. Turn ignition switch OFF.
- 2. Disconnect Intelligent Key warning buzzer connector.
- Connect battery power supply directly to Intelligent Key warning buzzer terminals and check the operation.

Intelligent Key		
Teri	Operation	
(+)	(-)	
1	3	Buzzer sounds

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace Intelligent Key warning buzzer.

INTELLIGENT KEY

< DTC/CIRCUIT DIAGNOSIS >

INTELLIGENT KEY

Component Function Check

INFOID:0000000012408699

Α

В

D

Е

F

Н

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN1	Check that the numerical value is changing while operating on the Intelligent Key.

Is the inspection result normal?

YES >> Intelligent Key is OK.

NO >> Refer to <u>DLK-281</u>, "Component Inspection".

Component Inspection

INFOID:0000000012408700

1. CHECK INTELLIGENT KEY BATTERY

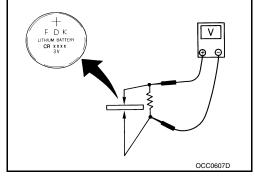
Check by connecting a resistance (approximately 300Ω) so that the current value becomes about 10 mA. Refer to <u>DLK-492</u>, "Removal and Installation".

Standard: Approx. 2.5 - 3.0V

Is the measurement value within the specification?

YES >> INSPECTION END

NO >> Replace Intelligent Key battery.



DLK

J

N

0

COMBINATION METER BUZZER

< DTC/CIRCUIT DIAGNOSIS >

COMBINATION METER BUZZER

Component Function Check

1.CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "INSIDE BUZZER" in "ACTIVE TEST" mode.
- 3. Touch "Key", "Knob" or "Take Out" to check that it works normally.

Is the inspection result normal?

- Yes >> Combination meter buzzer is OK.
- No >> Refer to <u>DLK-282</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408702

INFOID:0000000012408701

1. CHECK COMBINATION METER BUZZER CIRCUIT

Refer to WCS-43, "Component Function Check".

Is the inspection result normal?

Yes >> GO TO 2.

No >> Repair or replace the malfunctioning parts.

2. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

INFORMATION DISPLAY

< DTC/CIRCUIT DIAGNOSIS > INFORMATION DISPLAY Α Component Function Check INFOID:0000000012408703 1. CHECK FUNCTION В Select "INTELLIGENT KEY" of "BCM" using CONSULT. 2. Select "LCD" in "ACTIVE TEST" mode. 3. Check each warning display on meter display. Is the inspection result normal? YES >> Information display is OK. NO >> Refer to DLK-283, "Diagnosis Procedure". D Diagnosis Procedure INFOID:0000000012408704 Е 1. CHECK COMBINATION METER Refer to MWI-35, "On Board Diagnosis Function". Is the inspection result normal? F YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2. CHECK INTERMITTENT INCIDENT Refer to GI-41, "Intermittent Incident". Н >> INSPECTION END J

DLK

M

Ν

0

KEY WARNING LAMP

< DTC/CIRCUIT DIAGNOSIS >

KEY WARNING LAMP

Component Function Check

INFOID:0000000012408705

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "INDICATOR" in "ACTIVE TEST" mode.
- 3. Touch "KEY IND" or "KEY ON" to check that it works normally.

Is the inspection result normal?

- YES >> Key warning lamp is OK.
- NO >> Refer to <u>DLK-284</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408706

1. CHECK KEY WARNING LAMP

Refer to MWI-35, "On Board Diagnosis Function".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

HAZARD FUNCTION

< DTC/CIRCUIT DIAGNOSIS >

HAZARD FUNCTION Α Component Function Check INFOID:0000000012408707 1. CHECK FUNCTION В Select "INTELLIGENT KEY" of "BCM" using CONSULT. 2. Select "FLASHER" in "ACTIVE TEST" mode. 3. Touch "LH" or "RH" to check that it works normally. Is the inspection result normal? YES >> Hazard warning lamp circuit is OK. NO >> Refer to DLK-285, "Diagnosis Procedure". D Diagnosis Procedure INFOID:0000000012408708 Е 1. CHECK HAZARD SWITCH CIRCUIT Refer to EXL-78, "Component Function Check" (xenon type), EXL-177, "Component Function Check" (halogen type). F Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.check intermittent incident Refer to GI-41, "Intermittent Incident". Н >> INSPECTION END

DLK

Ν

BACK DOOR OPEN REQUEST SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR OPEN REQUEST SIGNAL CIRCUIT

Diagnosis Procedure

INFOID:0000000012408709

1. CHECK BACK DOOR CONTROL UNIT INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door control unit connector.
- 3. Check voltage between back door control unit harness connector and ground.

(+)			Condition		Voltage
Back door control unit		(–)			
Connector	Terminal				
D181	6	Ground	Back door opener	Pressed	0 - 1.5 V
	0	6 Ground	switch	Released	8 - 16 V

Is the inspection result normal?

YES >> Replace back door control unit. Refer to <u>DLK-493, "Removal and Installation"</u>.

NO >> GO TO 2.

2.CHECK BACK DOOR CONTROL UNIT CIRCUIT

- Disconnect BCM connector.
- 2. Check continuity between back door control unit harness connector and BCM harness connector.

Back door control unit		BCM		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
D181	6	M122	53	Existed	

3. Check continuity between BCM harness connector and ground.

Back door control unit			Continuity
Connector Terminal		Ground	Continuity
D181	6		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(+)			(–) Condition		
BCM		(–)			Voltage
Connector	Terminal				
M122	53	Ground	Back door opener	Pressed	0 V
IVI 122	33	Giodila	switch	Released	9 - 16 V

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace BCM. Refer to BCS-99, "Removal and Installation".

4. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

AUTOMATIC BACK DOOR CLOSE SWITCH

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC BACK DOOR CLOSE SWITCH

Component Function Check

INFOID:0000000012408710

Α

В

D

Е

Н

1. CHECK FUNCTION

- Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "BK DOOR CL SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
BK DOOR CL SW	Automatic back door close switch	Pressed	ON
BR BOOK CL SW	Automatic back door close switch	Released	OFF

Is the inspection result normal?

YES >> Automatic back door close switch is OK.

NO >> Refer to <u>DLK-287, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000012408711

1. CHECK AUTOMATIC BACK DOOR CLOSE SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic back door close switch connector.
- Check voltage between automatic back door close switch harness connector and ground.

(1	+)		
Automatic back of	door close switch	(–)	Voltage
Connector	Terminal		
D169	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK AUTOMATIC BACK DOOR CLOSE SWITCH CIRCUIT

- Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and automatic back door close switch harness connector.

Automatic back de	Automatic back door control module		Automatic back door close switch	
Connector	Terminal	Connector Terminal		Continuity
B8	4	D169	1	Existed

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	4		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494</u>, "Removal and Installation".

NO >> Repair or replace harness.

3.CHECK AUTOMATIC BACK DOOR CLOSE SWITCH GROUND CIRCUIT

Check continuity between automatic back door close switch harness connector and ground.

DLK

M

L

Ν

1

0

P

AUTOMATIC BACK DOOR CLOSE SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Automatic back door close switch			Continuity	
Connector Terminal		Ground	Continuity	
D169	2		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK AUTOMATIC BACK DOOR CLOSE SWITCH

Refer to DLK-288, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door close switch.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408712

1. CHECK AUTOMATIC BACK DOOR CLOSE SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic back door close switch connector.
- 3. Check continuity between automatic back door close switch terminals.

Automatic back door close switch		Condition		Continuity
Terminal				
1	2	2 Automatic back door close switch	Pressed	Existed
	2		Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic back door close switch.

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC DOOR MAIN SWITCH AUTOMATIC BACK DOOR CONTROL MODULE

Α

D

Е

Н

AUTOMATIC BACK DOOR CONTROL MODULE: Component Function Check

INFOID:0000000012408713

1. CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "MAIN SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition	Status	
MAIN SW Automatic door main switch	Automatic door main quitab	ON ON	ON
	OFF	OFF	

Is the inspection result normal?

YES >> Automatic door main switch is OK.

NO >> Refer to <u>DLK-289</u>, "AUTOMATIC BACK DOOR CONTROL MODULE : Diagnosis Procedure".

AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure

1. CHECK AUTOMATIC DOOR MAIN SWITCH INPUT SIGNAL

Turn ignition switch OFF.

- 2. Disconnect automatic door main switch connector.
- 3. Check voltage between automatic door main switch harness connector and ground.

(+)			
Automatic door m	nain switch	(–)	Voltage
Connector	Terminal		
M29	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK AUTOMATIC DOOR MAIN SWITCH CIRCUIT

- 1. Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and automatic door main switch harness connector.

Automatic back d	oor control module	Automatic door main switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B8	17	M29	1	Existed

Check continuity between automatic back door control module connector and ground.

Automatic back d	oor control module		Continuity
Connector	Terminal	Ground	Continuity
B8	17		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.CHECK AUTOMATIC DOOR MAIN SWITCH GROUND CIRCUIT

Check continuity between automatic door main switch connector and ground.

DLK

M

Ν

С

F

< DTC/CIRCUIT DIAGNOSIS >

Automatic door	main switch		Continuity
Connector	Terminal	Ground	Continuity
M29	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK AUTOMATIC DOOR MAIN SWITCH

Refer to DLK-290, "AUTOMATIC BACK DOOR CONTROL MODULE: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic door main switch.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

AUTOMATIC BACK DOOR CONTROL MODULE: Component Inspection INFOID:000000012408715

1. CHECK AUTOMATIC DOOR MAIN SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic door main switch connector.
- 3. Check continuity between automatic door main switch terminals.

Automatic door main switch		Condition		Continuity
Terr	minal	Condition		Continuity
1	2	Automatic door main	ON	Existed
ı	3	switch	OFF	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic door main switch.

SLIDING DOOR CONTROL UNIT

SLIDING DOOR CONTROL UNIT: Component Function Check

INFOID:0000000012408716

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" (LH) or "AUTO SLDE DOOR RIGHT" (RH) using CONSULT.
- 2. Select "MAIN SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition	Status	
MAIN SW	Automatic door main switch	ON	ON
IVIAIN OVV	Automatic door main switch	OFF	OFF

Is the inspection result normal?

YES >> Automatic door main switch is OK.

NO >> Refer to DLK-290, "SLIDING DOOR CONTROL UNIT : Diagnosis Procedure".

SLIDING DOOR CONTROL UNIT: Diagnosis Procedure

INFOID:0000000012408717

1. CHECK AUTOMATIC DOOR MAIN SWITCH POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic door main switch connector.

Revision: October 2015 DLK-290 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

3. Check voltage between automatic door main switch harness connector and ground.

((+)		Voltage (Approx.)	
Automatic door main switch		(–)		
Connector	Terminal		, , ,	
M29	1	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK AUTOMATIC DOOR MAIN SWITCH CIRCUIT

Disconnect sliding door control unit connector.

Check continuity between sliding door control unit harness connector and automatic door main switch harness connector.

Sliding door LH

Sliding door	control unit LH	Automatic door main switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	1	M29	1	Existed
Sliding door RH				
Sliding door	control unit LH	Automatic door main switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	1	M29	1	Existed

3. Check continuity between sliding door control unit connector and ground.

Sliding door LH

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	1		Not existed
Sliding door RH			
Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B247	1		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit.

NO >> Repair or replace harness.

${f 3.}$ CHECK AUTOMATIC DOOR MAIN SWITCH GROUND CIRCUIT

Check continuity between automatic door main switch connector and ground.

Automatic door main switch			Continuity
Connector	Terminal	Ground	Continuity
M29	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK AUTOMATIC DOOR MAIN SWITCH

Refer to DLK-292, "SLIDING DOOR CONTROL UNIT: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic door main switch.

DLK

Α

В

D

Е

Н

M

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

5.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR CONTROL UNIT: Component Inspection

INFOID:0000000012408718

1. CHECK AUTOMATIC DOOR MAIN SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic door main switch connector.
- 3. Check continuity between automatic door main switch terminals.

Automatic door main switch		Condition		Continuity
Terr	minal	Condition		Continuity
1	3	Automatic door main	ON	Existed
ľ	3	switch	OFF	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic door main switch.

AUTOMATIC BACK DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC BACK DOOR SWITCH

Component Function Check

INFOID:0000000012408719

Α

В

D

Е

1. CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "AUTO BD SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Conditio	Status	
AUTO BD SW	Automatic back door switch	Pressed	ON
7010 PD 344	Automatic back door switch	Released	OFF

Is the inspection result normal?

YES >> Automatic back door switch is OK.

NO >> Refer to <u>DLK-293, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000012408720

1. CHECK AUTOMATIC BACK DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect automatic back door switch connector.
- 3. Check voltage between automatic back door switch harness connector and ground.

(+) Automatic back door switch			
		(–)	Voltage
Connector	Terminal		
M83	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK AUTOMATIC BACK DOOR SWITCH CIRCUIT

- Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and automatic back door switch harness connector.

Automatic back de	Automatic back door control module		Automatic back door switch	
Connector	Terminal	Connector	Terminal	Continuity
B8	16	M83	1	Existed

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	16		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.CHECK AUTOMATIC BACK DOOR SWITCH GROUND CIRCUIT

Check continuity between automatic back door switch harness connector and ground.

DLK

M

L

Ν

0

P

AUTOMATIC BACK DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Automatic back d	Automatic back door switch		Continuity
Connector	Terminal	Ground	Continuity
M83	2		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK AUTOMATIC BACK DOOR SWITCH

Refer to DLK-294, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door switch.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000012408721

1. CHECK AUTOMATIC BACK DOOR SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic back door switch connector.
- 3. Check continuity between automatic back door switch terminals.

Automatic ba	matic back door switch Condition		Continuity	
Teri	minal	Condition		Continuity
1	2	Automatic back door switch	Pressed	Existed
'	2	Automatic back door switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic back door switch.

OPEN SWITCH

Diagnosis Procedure

INFOID:0000000012408722

Α

В

D

Е

F

Н

1. CHECK OPEN SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)		(-)	Voltage
Back door lock assembly			
Connector	Terminal		
D190	4	Ground	8 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK OPEN SWITCH CIRCUIT

- 1. Disconnect back door control unit connector.
- Check continuity between back door control unit harness connector and back door lock assembly harness connector.

Back door	control unit	Back door lock assembly		Continuity
Connector	Terminal	Connector Terminal		Continuity
D181	5	D190	4	Existed

3. Check continuity between back door control unit harness connector and ground.

Back door control unit			Continuity
Connector	Terminal	Ground	Continuity
D181	5		Not existed

Is the inspection result normal?

YES >> Replace back door control unit. Refer to DLK-493, "Removal and Installation".

NO >> Repair or replace harness.

${f 3}.$ CHECK OPEN SWITCH GROUND CIRCUIT

Check continuity between back door lock assembly connector and ground.

Back door lock as	sembly		Continuity
Connector Terminal		Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK OPEN SWITCH

Refer to DLK-296, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

DLK

ı

N

Ν

0

OPEN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

>> INSPECTION END

Component Inspection

INFOID:0000000012408723

1. CHECK OPEN SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check continuity between back door lock assembly terminals.

Back door lock assembly		Condition		Continuity	
Term	inal	Condition		Continuity	
1	Q	Back door	Open	Existed	
4	0	Back door	Fully closed/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

CLOSE SWITCH

Diagnosis Procedure

INFOID:0000000012408724

Α

В

D

Е

F

Н

1. CHECK CLOSE SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)		(-)	Voltage
Back door lock assembly			
Connector	Terminal		
D190	5	Ground	8 - 16

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK CLOSE SWITCH CIRCUIT

- Disconnect back door control unit connector.
- Check continuity between back door control unit harness connector and back door lock assembly harness connector.

Back door co	ck door control unit Back door lock assembly		Back door lock assembly	
Connector	Terminal	Connector Terminal		Continuity
D181	1	D190	5	Existed

Check continuity between back door control unit harness connector and ground.

Back door	Back door control unit		
Connector	Terminal	Ground	Continuity
D181	1		Not existed

Is the inspection result normal?

YES >> Replace back door control unit. Refer to DLK-493, "Removal and Installation".

NO >> Repair or replace harness.

3.check close switch ground circuit

Check continuity between back door lock assembly harness connector and ground.

Back door lock as	ssembly		Continuity
Connector	Terminal	Ground	
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK CLOSE SWITCH

Refer to DLK-298, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

DLK

M

Ν

0

CLOSE SWITCH

< DTC/CIRCUIT DIAGNOSIS >

>> INSPECTION END

Component Inspection

INFOID:0000000012408725

1. CHECK CLOSE SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check continuity between back door lock assembly terminals.

Back door lock assembly		Condition		Continuity	
Terr	minal	Condition		Continuity	
	0	Back door	Fully closed	Existed	
5	0	Dack door	Open/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

< DTC/CIRCUIT DIAGNOSIS >

HALF LATCH SWITCH

WITH AUTOMATIC BACK DOOR

WITH AUTOMATIC BACK DOOR: Component Function Check

INFOID:0000000012408726

Α

В

D

Е

Н

1. CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- Select "HALF LATCH SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condit	Status	
HALF LATCH SW	Back door	Fully closed/Half latch	OFF
TIALI LATOITOW	Back door	Open	ON

Is the inspection result normal?

YES >> Half latch switch is OK.

NO >> Refer to <u>DLK-299</u>, "WITH AUTOMATIC BACK DOOR : Diagnosis Procedure".

WITH AUTOMATIC BACK DOOR: Diagnosis Procedure

INFOID:0000000012408727

1. CHECK HALF LATCH INPUT SIGNAL

1. Turn ignition switch OFF.

- Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)		
Back door loo	ck assembly	(–)	Voltage
Connector	Terminal		
D190	6	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2. CHECK HALF LATCH SWITCH CIRCUIT

- 1. Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

Automatic back d	Automatic back door control module		Back door lock assembly	
Connector	Terminal	Connector Terminal		Continuity
B8	22	D190	6	Existed

Check continuity between automatic back door control module harness connector and ground.

Automatic back de	oor control module		Continuity
Connector	Terminal	Ground	Continuity
B8	22		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.CHECK HALF LATCH SWITCH GROUND CIRCUIT

Check continuity between back door lock assembly harness connector and ground.

DLK

M

Ν

0

Р

Revision: October 2015 DLK-299 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

Back door lock	assembly	sembly Continuity	
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace back door lock assembly ground circuit.

4.CHECK HALF LATCH SWITCH

Refer to DLK-300, "WITH AUTOMATIC BACK DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

WITH AUTOMATIC BACK DOOR: Component Inspection

INFOID:0000000012408728

1. CHECK HALF LATCH SWITCH

- Turn ignition switch OFF.
- Disconnect back door lock assembly connector.
- 3. Check continuity between back door lock assembly terminals.

Back door lock assembly		Condition		Continuity	
Term	inal		Condition	Continuity	
6	0	Back door lock	Open	Existed	
O	O	Back door lock	Fully closed/Half latch	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

WITHOUT AUTOMATIC BACK DOOR

WITHOUT AUTOMATIC BACK DOOR: Diagnosis Procedure

INFOID:0000000012408729

1. CHECK HALF LATCH SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(–)			
Back door loo	k assembly	(–)	Voltage
Connector	Terminal		
D190	6	Ground	3.5 -5.5 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK HALF LATCH SWITCH CIRCUIT

- Disconnect back door control unit connector.
- Check continuity between back door control unit harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Back door	control unit	Back door lock assembly Connector Terminal		Continuity
Connector	Terminal			Continuity
D181	2	D190	6	Existed

3. Check continuity between back door control unit harness connector and ground.

Back door control unit			Continuity
Connector	Connector Terminal		Continuity
D181	2		Not existed

Is the inspection result normal?

YES >> Replace back door control unit. Refer to DLK-493, "Removal and Installation".

NO >> Repair or replace harness.

3. CHECK HALF LATCH SWITCH GROUND CIRCUIT

Check continuity between back door lock assembly harness connector and ground.

Back door lock assembly			Continuity
Connector	Terminal	Ground	Continuity
D190	8		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK HALF LATCH SWITCH

Refer to DLK-301, "WITHOUT AUTOMATIC BACK DOOR: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

WITHOUT AUTOMATIC BACK DOOR : Component Inspection

1. CHECK HALF LATCH SWITCH

1. Turn ignition switch OFF.

- 2. Disconnect back door lock assembly connector.
- 3. Check continuity between back door lock assembly terminals.

Back door lock assembly		Condition		Continuity
Terminal				
			Open	Existed
6	8	Back door	Fully closed/Half latch	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door lock assembly.

SLIDING DOOR CONTROL UNIT

DLK

Α

В

D

Е

F

Н

INFOID:0000000012408730

Ν

 \circ

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR CONTROL UNIT: Component Function Check

INFOID:0000000012408731

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" (LH) or "AUTO SLDE DOOR RIGHT" (RH) using CONSULT.
- 2. Select "HAF LATC SW L" (LH) or "HAF LATC SW R" (RH) in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
HAF LATC SW L Sliding door LH		Open	ON
HAF LATC SW L	Silding door Li i	Half latch/fully closed	OFF
LIAT LATO CIVID	Cliding door DU	Open	ON
HAF LATC SW R Sliding door RH		Half latch/fully closed	OFF

Is the inspection result normal?

YES >> Half latch switch is OK.

NO >> Refer to <u>DLK-304</u>, "SLIDING DOOR CONTROL UNIT : Component Inspection".

SLIDING DOOR CONTROL UNIT: Diagnosis Procedure

INFOID:0000000012408732

1. CHECK HALF LATCH SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect sliding door lock assembly connector.
- 3. Check voltage between sliding door lock assembly harness connector and ground.

Sliding door LH	
-----------------	--

(+) Sliding door lock assembly LH		(–)	Voltage
D123 3		Ground	8 – 16 V
iding door RH			
(+))		
(+ _. Sliding door lock		(-)	Voltage
		(-)	Voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK HALF LATCH SWITCH CIRCUIT

- 1. Disconnect sliding door control unit connector.
- Check continuity between sliding door control unit harness connector and sliding door lock assembly harness connector.

Sliding door LH

Sliding door of	control unit LH	Sliding door lock assembly LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	5	D123	3	Existed	
Sliding door RH					
Sliding door o	ontrol unit RH	Sliding door lock assembly RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	5	D124	3	Existed	

3. Check continuity between sliding door control unit harness connector and ground.

Cliding door LLI				
Sliding door LH				
Sliding do	oor control unit LH		Ground Continuity Not existed	
Connector	Terminal			
B45	5			
Sliding door RH				
Sliding do	or control unit RH			Continuity
Connector	Terminal	G	Ground	Continuity
B247	5			Not existed
the inspection result n	ormal?			
YES >> Replace slid NO >> Repair or re	ing door control unit. place harness.			
3.CHECK HALF LATCH	H SWITCH GROUND C	CIRCUIT		
. Disconnect sliding d				
ness connector.	ween sliding door conti		onnector and slidin	g door lock assembly
ness connector. Sliding door LH	ween sliding door conti	rol unit harness co	·	g door lock assembly
ness connector. Sliding door LH Sliding door	control unit LH	rol unit harness co	ck assembly LH	g door lock assembly Continuity
ness connector. Sliding door LH	ween sliding door conti	rol unit harness co	·	,
ness connector. Sliding door LH Sliding door Connector B45	control unit LH	Sliding door lo	ck assembly LH Terminal	Continuity
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH	control unit LH	Sliding door loo Connector D123	ck assembly LH Terminal	Continuity Existed
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH	control unit LH Terminal 23	Sliding door loo Connector D123	ck assembly LH Terminal 2	Continuity
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH Sliding door	control unit LH Terminal 23 control unit RH	Sliding door loo Connector D123 Sliding door loo	ck assembly LH Terminal 2 ck assembly RH	Continuity Existed
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH Sliding door of Connector B247	control unit LH Terminal 23 control unit RH Terminal	Sliding door loo Connector D123 Sliding door loo Connector D124	ck assembly LH Terminal 2 ck assembly RH Terminal 2	Continuity Existed Continuity Existed
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH Sliding door of Connector B247	control unit LH Terminal 23 control unit RH Terminal 23	Sliding door loo Connector D123 Sliding door loo Connector D124	ck assembly LH Terminal 2 ck assembly RH Terminal 2	Continuity Existed Continuity Existed
ness connector. Sliding door LH Sliding door Connector B45 Sliding door RH Sliding door RH Connector B247 Check continuity beta	control unit LH Terminal 23 control unit RH Terminal 23	Sliding door loo Connector D123 Sliding door loo Connector D124	ck assembly LH Terminal 2 ck assembly RH Terminal 2	Continuity Existed Continuity Existed

Sliding door LH				
Sliding door control unit LH			Continuity	
Connector	nector Terminal Gi			
B45	23		Not existed	
Sliding door RH				
Sliding door co	ntrol unit RH		Continuity	
Connector Terminal		Ground	Continuity	
B247	B247 23		Not existed	

M

Ν

0

Р

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK HALF LATCH SWITCH CIRCUIT 2

- Connect sliding door control unit connector and sliding door lock assembly connector.
- 2. Check voltage between sliding door control unit harness connector and ground.

Sliding door LH			
(+	•)		
Sliding door control unit LH		(-)	Voltage
Connector	Terminal	1	
B45	23	Ground	0 V

DLK-303 2016 Quest Revision: October 2015

< DTC/CIRCUIT DIAGNOSIS >

Sliding door RH			
(+	•)		
Sliding door c	Sliding door control unit RH		Voltage
Connector Terminal			
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit.

5. CHECK HALF LATCH SWITCH

Refer to DLK-304, "SLIDING DOOR CONTROL UNIT: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR CONTROL UNIT: Component Inspection

INFOID:0000000012408733

1. CHECK HALF LATCH SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly connector.
- 3. Check continuity between sliding door lock assembly terminals.

Sliding door lock assembly		Condition		Continuity	
Terr	ninal		matton	Continuity	
2	2	Sliding door	Open	Existed	
	2	Siluling door	Half latch/fully closed	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly.

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR TOUCH SENSOR

LH

LH: Component Function Check

INFOID:0000000012408734

Α

В

D

Е

Н

1. CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "TOUCH SEN LH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Condition Status		Status
TOUCH SEN LH	Back door touch sensor LH	Other than below	OFF		
1000H OLIVEH	Back door touch sensor Lh	Detect obstruction	ON		

Is the inspection result normal?

YES >> Back door touch sensor LH is OK.

NO >> Refer to <u>DLK-305</u>, "LH: <u>Diagnosis Procedure"</u>.

LH: Diagnosis Procedure

INFOID:0000000012408735

1. CHECK BACK DOOR TOUCH SENSOR INPUT SIGNAL

Turn ignition switch OFF.

Check voltage between back door touch sensor LH harness connector and automatic back door control module harness connector.

	(+)	(-	–)			_
Back door to	uch sensor LH		door control mod- le	Condition		Voltage
Connector	Terminal	Connector	Terminal			
D165	1	B8	Back door touch		Detect obstruc- tion	0 – 1.5 V
D 105	'	БО	14	sensor LH	Other than above	5 – 6.7 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check back door touch sensor th circuit

- Disconnect automatic back door control module connector and back door touch sensor LH connector.
- Check continuity between automatic back door control module harness connector and back door touch sensor LH harness connector.

Automatic back do	Automatic back door control module		Back door touch sensor LH		
Connector	Terminal	Connector Terminal		Continuity	
B8	15	D165	1	Existed	

Check continuity between automatic back door control module harness connector and ground.

Automatic back do	or control module		Continuity
Connector	Terminal	Ground	Continuity
B8	15		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

NO >> Repair or replace harness.

Revision: October 2015 DLK-305 2016 Quest

DLK

Ν

IN

0

< DTC/CIRCUIT DIAGNOSIS >

3. CHECK BACK DOOR TOUCH SENSOR LH GROUND CIRCUIT

- 1. Disconnect automatic back door control module connector and back door touch sensor LH connector.
- Check continuity between automatic back door control module harness connector and back door touch sensor LH harness connector.

Automatic back do	Automatic back door control module		Back door touch sensor LH		
Connector	Terminal	Connector Terminal		Continuity	
B8	14	D165	2	Existed	

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back do	or control module		Continuity
Connector	Connector Terminal		Continuity
B8	14		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK BACK DOOR TOUCH SENSOR LH GROUND CIRCUIT 2

- 1. Connect automatic back door control module connector and back door touch sensor LH connector.
- 2. Check voltage between automatic back door control module harness connector and ground.

	(+)		
Automatic back	door control module	(–)	Voltage
Connector	Terminal		
В8	14	Ground	0 – 1.5 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

5. CHECK BACK DOOR TOUCH SENSOR LH

Refer to DLK-306, "LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace back door touch sensor LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

LH: Component Inspection

INFOID:0000000012408736

1. CHECK BACK DOOR TOUCH SENSOR LH

- 1. Turn ignition switch OFF.
- Disconnect back door touch sensor LH connector.
- 3. Check resistance between back door touch sensor LH terminals.

Back door touch sensor LH		Condition		Resistance
Terminal				
1	1 2	Back door touch sensor LH	Detect obstruction	360 - 440 Ω
			Other than above	0.9 - 1.1 kΩ

Is the inspection result normal?

< DTC/CIRCUIT DIAGNOSIS >

YES >> INSPECTION END

NO >> Replace back door touch sensor LH.

RH

RH: Component Function Check

1.CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- 2. Select "TOUCH SEN RH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	C	Status	
TOUCH SEN RH Back door touch sensor RH	Rack door touch sensor PH	Other than below	OFF
	Detect obstruction	ON	

Is the inspection result normal?

YES >> Back door touch sensor RH is OK.

NO >> Refer to <u>DLK-307</u>, "RH: <u>Diagnosis Procedure</u>".

RH: Diagnosis Procedure

1. CHECK TOUCH SENSOR INPUT SIGNAL

Turn ignition switch OFF.

Check voltage between back door touch sensor RH harness connector and automatic back door control module harness connector.

(+)	(-	-)			
Back door to	uch sensor RH		door control mod- ile	Condition		Voltage
Connector	Terminal	Connector	Terminal			
D191	1	B8	14	Back door touch	Detect obstruc- tion	0 – 1.5 V
D191	'	Во	14	sensor RH	Other than above	5 – 6.7 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check back door touch sensor rh circuit

- Disconnect automatic back door control module connector and back door touch sensor RH connector.
- Check continuity between automatic back door control module harness connector and back door touch sensor RH harness connector.

Automatic back do	Automatic back door control module		ıch sensor RH	Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B8	13	D191	1	Existed	

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back do	or control module		Continuity
Connector	Connector Terminal		Continuity
B8	13		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

Revision: October 2015 DLK-307 2016 Quest

DLK

Α

D

Е

F

Н

INFOID:0000000012408737

INFOID:0000000012408738

M

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

3. CHECK BACK DOOR TOUCH SENSOR RH GROUND CIRCUIT

- 1. Disconnect automatic back door control module connector and back door touch sensor RH connector.
- Check continuity between automatic back door control module harness connector and back door touch sensor RH harness connector.

Automatic back do	utomatic back door control module Back door touch		Back door touch sensor RH		
Connector	Terminal	Connector Terminal		Continuity	
B8	14	D191	2	Existed	

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector Terminal		Ground	Continuity
B8	14		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK BACK DOOR TOUCH SENSOR RH GROUND CIRCUIT 2

- 1. Connect automatic back door control module connector and back door touch sensor RH connector.
- 2. Check voltage between automatic back door control module harness connector and ground.

	(+)		
Automatic back door control module		(–)	Voltage
Connector	Connector Terminal		
B8	14	Ground	0 – 1.5 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

5. CHECK BACK DOOR TOUCH SENSOR RH

Refer to DLK-308, "RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace back door touch sensor RH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

RH: Component Inspection

INFOID:0000000012408739

1. CHECK TOUCH SENSOR RH

- 1. Turn ignition switch OFF.
- Disconnect back door touch sensor RH connector.
- Check resistance between back door touch sensor RH terminals.

Back door touch sensor RH Terminal		Condition		Resistance
	2	RH	Other than above	0.9 - 1.1 kΩ

Is the inspection result normal?

< DTC/CIRCUIT DIAGNOSIS >

YES >> INSPECTION END	
NO >> Replace back door touch sensor RH.	

Α

В

C

D

Е

F

G

Н

J

DLK

 \mathbb{N}

Ν

C

Ρ

BACK DOOR CLOSURE MOTOR

< DTC/CIRCUIT DIAGNOSIS >

BACK DOOR CLOSURE MOTOR WITH AUTOMATIC BACK DOOR

WITH AUTOMATIC BACK DOOR: Diagnosis Procedure

INFOID:0000000012408740

1. CHECK BACK DOOR CLOSURE MOTOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

(+)			Condition		Voltage
Back door lo	Back door lock assembly				
Connector	Terminal				
	D190 2			Open	9 - 16 V
D100		Ground	Back door	Ohter than above	0 - 1.5 V
D190			Back door	Close	9 - 16 V
	2			Ohter than above	0 - 1.5 V

Is the inspection result normal?

YES >> Replace back door lock assembly.

NO >> GO TO 2.

2. CHECK BACK DOOR CLOSURE MOTOR CIRCUIT

- 1. Disconnect automatic back door control module connector.
- 2. Check continuity between automatic back door control module harness connector and back door lock assembly harness connector.

Automatic back doo	or control module	Back door lock assembly		Continuity
Connector	Terminal	Connector Terminal		Continuity
B8	3	D190	1	Existed
50	2	190	2	LAISIEU

Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	3	Ground	Not existed
	2		Not existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

WITHOUT AUTOMATIC BACK DOOR

WITHOUT AUTOMATIC BACK DOOR: Diagnosis Procedure

INFOID:0000000012408741

1. CHECK BACK DOOR CLOSURE MOTOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door lock assembly connector.
- 3. Check voltage between back door lock assembly harness connector and ground.

BACK DOOR CLOSURE MOTOR

< DTC/CIRCUIT DIAGNOSIS >

(+) Back door lock assembly						
		(–)	Condition		Voltage	
Connector	Terminal					
	D190			Open	5 - 16 V	
D100		1	Ground	Back door	Ohter than above	0 - 1.5 V
D190		Ground	Ground Back door	Close	5 - 16 V	
2	2			Ohter than above	0 - 1.5 V	

Is the inspection result normal?

YES >> Replace back door lock assembly.

NO >> GO TO 2.

2.CHECK BACK DOOR CLOSURE MOTOR CIRCUIT

1. Disconnect back door control unit connector.

2. Check continuity between back door control unit harness connector and back door lock assembly harness connector.

Back door o	control unit	Back door lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
D181	10	D190	1	Existed
וסוט	4	D 190	2	Existed

3. Check continuity between back door control unit harness connector and ground.

Back door control unit			Continuity
Connector	Terminal	Ground	Continuity
D181	10	Ground	Not existed
וסוט	4		Not existed

Is the inspection result normal?

YES >> Replace back door control unit.

NO >> Repair or replace harness.

DLK

Α

В

D

Е

F

Н

Ν

C

Р

Revision: October 2015 DLK-311 2016 Quest

AUTOMATIC BACK DOOR WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC BACK DOOR WARNING BUZZER

Diagnosis Procedure

INFOID:0000000012408742

1.check automatic back door warning buzzer power supply circuit

- 1. Turn ignition switch OFF.
- Disconnect automatic back door warning buzzer connector.
- 3. Check voltage between automatic back door warning buzzer harness connector and ground.

(+)			
Automatic back door warning buzzer		(–)	Voltage
Connector	Terminal		
B305	1	Ground	9 - 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK FUSE

Check the following.

- 10 A fuse, [No.9, located in fuse block (J/B)].
- Harness for open or short between automatic back door warning buzzer harness connector and battery terminal.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

${f 3.}$ CHECK AUTOMATIC BACK DOOR WARNING BUZZER OUTPUT SIGNAL CIRCUIT

- Disconnect automatic back door control module connector.
- Check continuity between automatic back door control module harness connector and automatic back door warning buzzer harness connector.

Automatic back d	oor control module	Automatic back door warning buzzer		Continuity
Connector	Terminal	Connector Terminal		Continuity
B8	5	B305	2	Existed

3. Check continuity between automatic back door control module harness connector and ground.

Automatic back door control module			Continuity
Connector	Terminal	Ground	Continuity
B8	5		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK AUTOMATIC BACK DOOR WARNING BUZZER

Refer to DLK-312, "Component Inspection"

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to DLK-494, "Removal and Installation".

NO >> Replace automatic back door warning buzzer.

Component Inspection

INFOID:0000000012408743

1. CHECK AUTOMATIC BACK DOOR WARNING BUZZER

- Turn ignition switch OFF.
- Disconnect automatic back door warning buzzer connector.

Revision: October 2015 DLK-312 2016 Quest

AUTOMATIC BACK DOOR WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

3. Check battery power supply directly to automatic back door warning buzzer terminals and check the operation.

Automatic back door warning buzzer Terminal			
		Operation	
(+)	(-)		
1	2	Buzzer sounds	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic back door warning buzzer.

DLK

J

Α

В

С

 D

Е

F

G

Н

M

L

Ν

0

Р

Revision: October 2015 DLK-313 2016 Quest

GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

GROUND CIRCUIT

Component Function Check

INFOID:0000000012408744

1. CHECK FUNCTION

- 1. Select "AUTO BACK DOOR" using CONSULT.
- Select "DESTINATION" and "HAZARD" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
	Circuit between automatic	Normal	NAM
DESTINATION	back door control module terminal 6 and ground Open or short	Open or short	JPN
Circuit between automatic	Normal	ON	
HAZAKU	AZARD back door control module terminal 8 and ground	Open or short	OFF

Is the inspection result normal?

YES >> Automatic back door ground circuit is OK.

NO >> Refer to <u>DLK-314</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000012408745

1. CHECK GROUND CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect automatic back door control module connector.
- 3. Check continuity between automatic back door control module harness connector and ground.

Automatic back of	loor control module		Continuity
Connector	Terminal	Ground Existe	Continuity
B8	6		Evieted
БО	8		Existed

Is the inspection result normal?

YES >> Replace automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

NO >> Repair or replace harness.

INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

INTEGRATED HOMELINK TRANSMITTER

Component Function Check

INFOID:0000000012408746

1. CHECK FUNCTION

В

Α

D

Е

Н

Check that system receiver (garage door opener, etc.) operates with original hand-held transmitter.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Receiver or hand-held transmitter is malfunctioning.

2. CHECK ILLUMINATE

- Turn ignition switch OFF.
- Does red light of transmitter illuminate when any transmitter button is pressed?

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to DLK-315, "Diagnosis Procedure".

3. CHECK TRANSMITTER

Check transmitter with Tool*.

*: For details, refer to Technical Service Bulletin.

Is the inspection result normal?

YES >> Receiver or hand-held transmitter malfunction, not vehicle related.

NO >> Replace auto anti-dazzling inside mirror (integrated homelink transmitter).

Diagnosis Procedure

INFOID:0000000012408747

$oldsymbol{1}$. CHECK POWER SUPPLY

- Turn ignition switch OFF.
- Disconnect auto anti-dazzling inside mirror (integrated homelink transmitter) connector. 2.
- Check voltage between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

(+) Auto anti-dazzling inside mirror (Integrated homelink transmitter)		(–)	Condition		Voltage (Approx.)	
Connector	Terminal					
R25	6	Ground	Ignition switch	ON	Battery voltage	
1\25	10	Ground	ignition switch	OFF	Dattery Voltage	

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Check 10 A fuse [No. 6 and No 3 located in the fuse block (J/B)].

NO-2 >> Harness for open or short between fuse and auto anti-dazzling inside mirror (integrated homelink transmitter).

2.CHECK GROUND CIRCUIT

Check continuity between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

Auto anti-dazzling inside mirror (Integrated homelink transmitter)			Continuity
Connector	Terminal	Ground	
R25	8		Existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

DLK-315 Revision: October 2015 2016 Quest DLK

P

INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

3.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH

INFOID:0000000012408748

Α

В

D

Е

1.CHECK FUNCTION

1. Select "AUTO SLDE DOOR" using CONSULT.

SLIDING DOOR LH: Component Function Check

- 2. Select "ENCODER A LH" and "ENCODER B LH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
ENCODER A LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
LNOODLIVALIT	Sliding door Err	When stopped	HI or LO
ENCODER B LH	Sliding door LH	Moving (auto or manual)	HI⇔LO
	ENCODER B LH Sliding door LH		HI or LO

Is the inspection result normal?

YES >> Encoder is OK.

NO >> Refer to <u>DLK-317</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure</u>".

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408749

1. CHECK ENCODER POWER SUPPLY

1. Turn ignition switch OFF.

- 2. Disconnect automatic sliding door unit LH connector.
- 3. Check voltage between automatic sliding door unit LH harness connector and ground.

(+)			
Automatic slidin	Automatic sliding door unit LH		Voltage
Connector	Terminal		
B65	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK ENCODER CIRCUIT 1

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH Connector Terminal		omatic sliding door unit LH Continuity	
Connector	Terminal			Continuity	
B45	11	B65	5	Existed	

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	11		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK ENCODER CIRCUIT $\scriptscriptstyle 2$

Disconnect sliding door control unit LH connector.

Revision: October 2015 DLK-317 2016 Quest

DLK

Ν

Р

0

< DTC/CIRCUIT DIAGNOSIS >

Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	4	B65	6	Existed	
D 4 3	21	B05	7	LAISIEU	

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity	
Connector	Terminal	Ground	Continuity	
B45	4	Giodila	Not existed	
D43	21	-		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK ENCODER GROUND CIRCUIT

1. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door co	ontrol unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	26	B65	8	Existed

2. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	26		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

CHECK ENCODER CIRCUIT 3

- 1. Connect sliding door control unit LH connector and automatic sliding door unit LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

(+)			
Sliding door control unit LH		(–)	Voltage
Connector	Terminal		
B45	26	Ground	0 V

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

NO >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

SLIDING DOOR RH

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408750

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- Select "ENCODER A RH" and "ENCODER B RH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

< DTC/CIRCUIT DIAGNOSIS >

Monitor item	Condition		Status
ENCODER A RH	Sliding door RH	Moving (auto or manual)	HI ⇔ LO
LNCODERARIT	Silding door KH	When stopped	HI or LO
ENCODER B RH	Sliding door DU	Moving (auto or manual)	HI⇔LO
ENCODER B RIT	Sliding door RH	When stopped	HI or LO

Is the inspection result normal?

YES >> Encoder is OK.

NO >> Refer to <u>DLK-319</u>, "SLIDING DOOR RH : <u>Diagnosis Procedure</u>".

SLIDING DOOR RH: Diagnosis Procedure

1. CHECK ENCODER POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit RH connector.
- 3. Check voltage between automatic sliding door unit RH harness connector and ground.

(+)			
Automatic sliding door unit RH		(–)	Voltage
Connector	Terminal		
B244	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK ENCODER CIRCUIT 1

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B247	11	B244	5	Existed	

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	11		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK ENCODER CIRCUIT $^{\scriptscriptstyle 2}$

1. Disconnect sliding door control unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B247	4	B244	7	Existed
DZ4/	21	D2 44	6	LXISIEU

3. Check continuity between sliding door control unit RH harness connector and ground.

DLK

Α

В

D

INFOID:0000000012408751

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	Sliding door control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	P247	Giouna	Not existed
D241	21		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK ENCODER GROUND CIRCUIT

1. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door co	ontrol unit RH	Automatic sliding door unit RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	26	B244	8	Existed

2. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	26		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK ENCODER CIRCUIT 3

- 1. Connect sliding door control unit RH connector and automatic sliding door unit RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	26	Ground	0 V

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

SLIDING DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR SWITCH

SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408752

Α

В

D

Е

Н

1. CHECK FUNCTION

- Select "AUTO SLDE DOOR" using CONSULT.
- Select "RR-LH DOOR SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
RR-LH DOOR SW	Sliding door LH	Open	ON
KK-EH BOOK SW	Sliding door Err	Closed	OFF

Is the inspection result normal?

YES >> Sliding door switch is OK

>> Refer to DLK-321, "SLIDING DOOR LH: Diagnosis Procedure". NO

SLIDING DOOR LH : Diagnosis Procedure

INFOID:0000000012408753

1. SLIDING DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door switch LH connector.
- Check voltage between sliding door switch LH harness connector and ground.

(+) Sliding door switch LH			
		(-)	Voltage
Connector	Terminal		
B71	3	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door switch circuit

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door switch LH harness connector.

Sliding door	control unit LH	Sliding door switch LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	28	B71	3	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	28		Not existed

Is the inspection result normal?

>> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door switch

Refer to DLK-322, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 4.

DLK-321 Revision: October 2015 2016 Quest DLK

M

Ν

0

SLIDING DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace sliding door switch LH.

4. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

INFOID:0000000012408754

1. CHECK SLIDING DOOR SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door switch LH connector.
- 3. Check continuity between sliding door switch LH terminals.

Sliding door switch LH Terminal		Condition		Continuity
3	switch	Sliding door switch Err	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door switch LH.

SLIDING DOOR RH

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408755

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "RR-RH DOOR SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status	
RR-RH DOOR SW	Sliding door PH	Open	ON	
MICHAIL DOOM OW	RR-RH DOOR SW Sliding door RH	Closed	OFF	

Is the inspection result normal?

YES >> Sliding door switch is OK

>> Refer to DLK-322, "SLIDING DOOR RH : Diagnosis Procedure".

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408756

1. SLIDING DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect sliding door switch RH connector.
- 3. Check voltage between sliding door switch RH harness connector and ground.

(+)			
Sliding dod	or switch RH	(–)	Voltage
Connector	Terminal		
B221	3	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK SLIDING DOOR SWITCH CIRCUIT

1. Disconnect sliding door control unit RH connector.

SLIDING DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Check continuity between sliding door control unit RH harness connector and sliding door switch RH harness connector.

Sliding door o	control unit RH	Sliding door switch RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	28	B221	3	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	28		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK SLIDING DOOR SWITCH

Refer to DLK-323, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace sliding door switch RH.

4. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK SLIDING DOOR SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door switch RH connector.
- Check continuity between sliding door switch RH terminals.

Sliding door switch RH		Condition		Continuity	
Terminal					
3	Ground part of door	Sliding door switch RH	Pressed	Existed	
	switch	Sharing Goof Switch INT	Released	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door switch RH.

DLK

Α

В

D

Е

Н

INFOID:0000000012408757

Ν

0

FULL LATCH SWITCH

< DTC/CIRCUIT DIAGNOSIS >

FULL LATCH SWITCH SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408758

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- Select "FULL LATC SW L" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition	Status	
FULL LATC SW L	Sliding door LH	Full close	OFF
	Oliding door El I	Other than above	ON

Is the inspection result normal?

YES >> Full latch switch is OK.

NO >> Refer to <u>DLK-324</u>, "<u>SLIDING DOOR LH</u>: <u>Diagnosis Procedure</u>".

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408759

1. CHECK FULL LATCH SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly LH connector.
- 3. Check voltage between sliding door lock assembly LH harness connector and ground.

(+)		(-)	Voltage
Sliding door lock assembly LH			
Connector	Terminal		
D123	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2. CHECK FULL LATCH SWITCH CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

Sliding door control unit LH		Sliding door lock assembly LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	18	D123	5	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity	
	Connector	Terminal	Ground	Continuity
_	B45	18		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK FULL LATCH SWITCH GROUND CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

FULL LATCH SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit LH	Sliding door lock assembly LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B45	23	D123	2	Existed	

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK FULL LATCH SWITCH CIRCUIT 2

- Connect sliding door control unit LH connector and sliding door lock assembly LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

(+)			
Sliding door co	Sliding door control unit LH		Voltage
Connector	Terminal		
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

5. CHECK FULL LATCH SWITCH

Refer to DLK-325, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK FULL LATCH SWITCH

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly LH connector.
- 3. Check continuity between sliding door lock assembly LH terminals.

Sliding door lock assembly LH		Condition		Continuity
Terminal				
	2	Sliding door LH	Full close	Not existed
5	2	Silding door LH	Other than above	Existed

Is the inspection result normal?

>> INSPECTION END YES

NO >> Replace sliding door lock assembly LH.

SLIDING DOOR RH

DLK

Α

В

D

Е

Н

INFOID:0000000012408760

M

Ν

FULL LATCH SWITCH

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:000000001240876

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "FUL LATC SW R" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
FUL LATC SW R	Sliding door RH	Full close	OFF
TOE LATO OW IC	Sharing door TVT	Other than above	ON

Is the inspection result normal?

YES >> Full latch switch is OK.

NO >> Refer to <u>DLK-326</u>, "SLIDING DOOR RH : <u>Diagnosis Procedure</u>".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408762

1. CHECK FULL LATCH SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock assembly RH connector.
- 3. Check voltage between sliding door lock assembly RH harness connector and ground.

(+)			
Sliding door lock	Sliding door lock assembly RH		Voltage
Connector	Connector Terminal		
D124	5	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK FULL LATCH SWITCH CIRCUIT

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

Sliding door of	control unit RH	Sliding door lock assembly RH		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B247	18	D124	5	Existed	

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	18		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check full latch switch ground circuit

- 1. Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

FULL LATCH SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit RH	Sliding door lock assembly RH		Continuity
Connector	Terminal	Connector		
B247	23	D124	2	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity	
Connector	Terminal	Ground	Continuity	
B247	23		Not existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK FULL LATCH SWITCH CIRCUIT 2

- 1. Connect sliding door control unit RH connector and sliding door lock assembly RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door co	Sliding door control unit RH		Voltage
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

5. CHECK FULL LATCH SWITCH

Refer to DLK-327, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly RH.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH : Component Inspection

1. CHECK FULL LATCH SWITCH

Turn ignition switch OFF.

- 2. Disconnect sliding door lock assembly RH connector.
- Check continuity between sliding door lock assembly RH terminals.

Sliding door lock assembly RH		Condition		Continuity	
Terminal					
<u> </u>	2	Sliding door RH	Full close	Not existed	
3	5 2	Silding door INT	Other than above	Existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly RH.

DLK

Α

В

D

Е

Н

INFOID:0000000012408763

Ν

M

0

< DTC/CIRCUIT DIAGNOSIS >

NEUTRAL SWITCH SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408764

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- Select "NEUTRAL SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
	Sliding door closure mo-	Neutral position	OFF
NEUTRAL SW	tor LH	Other than above	ON

Is the inspection result normal?

YES >> Neutral switch is OK.

NO >> Refer to <u>DLK-328</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure"</u>.

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408765

1. CHECK NEUTRAL SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly LH connector.
- 3. Check voltage between sliding door lock assembly LH harness connector and ground.

(+	(+)		
Sliding door lock	c assembly LH	(–)	Voltage
Connector	Terminal		
D123	6	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK NEUTRAL SWITCH CIRCUIT

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

Sliding door	Sliding door control unit LH		Sliding door lock assembly LH	
Connector	Terminal	Connector	Terminal	Continuity
B45	15	D123	6	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door of	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	15		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499, "LH: Removal and Installation"</u>.

NO >> Repair or replace harness.

3. CHECK NEUTRAL SWITCH GROUND CIRCUIT

1. Disconnect sliding door control unit LH connector.

< DTC/CIRCUIT DIAGNOSIS >

Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

Sliding door control unit LH Sliding door lock assembly LH

Connector Terminal Connector Terminal

B45 23 D123 2 Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	Sliding door control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK NEUTRAL SWITCH CIRCUIT 2

- 1. Connect sliding door control unit LH connector and sliding door lock assembly LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

(+))		
Sliding door co	ontrol unit LH	(–)	Voltage
Connector	Terminal		
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

5.CHECK NEUTRAL SWITCH

Refer to DLK-329, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK NEUTRAL SWITCH

- 1. Turn ignition switch OFF.
- Disconnect sliding door lock assembly LH connector.
- 3. Check continuity between sliding door lock assembly LH terminals.

Sliding door lock assembly LH		Condition		Continuity	
Term	inal	Condition			
6	2	Sliding door closure motor LH	Neutral position	Not existed	
	2	Silding door closure motor Err	Other than above	Existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly LH.

SLIDING DOOR RH

DLK

Α

В

D

Е

Н

INFOID:0000000012408766

Ν

M

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408767

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "NEUTRAL SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
	Sliding door closure mo-	Neutral position	OFF
NEUTRAL SW	tor RH	Other than above	ON

Is the inspection result normal?

YES >> Neutral switch is OK.

NO >> Refer to <u>DLK-330</u>, "SLIDING DOOR RH: Diagnosis Procedure".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408768

1. CHECK NEUTRAL SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door lock assembly RH connector.
- 3. Check voltage between sliding door lock assembly RH harness connector and ground.

(+	(+) Sliding door lock assembly RH		
Sliding door lock			Voltage
Connector	Terminal		
D124	6	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK NEUTRAL SWITCH CIRCUIT

- 1. Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

Sliding door	Sliding door control unit RH		Sliding door lock assembly RH	
Connector	Terminal	Connector	Terminal	Continuity
B247	15	D124	6	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	15		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK NEUTRAL SWITCH GROUND CIRCUIT

- Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit RH	Sliding door lock assembly RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	23	D124	2	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK NEUTRAL SWITCH CIRCUIT 2

- Connect sliding door control unit RH connector and sliding door lock assembly RH connector.
- Check voltage between sliding door control unit RH harness connector and ground.

(+)				
Sliding door control unit RH		(–)	Voltage	
Connector	Terminal			
B247	23	Ground	0 V	

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to DLK-499, "RH: Removal and Installation".

5. CHECK NEUTRAL SWITCH

Refer to <u>DLK-331</u>, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock assembly RH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK NEUTRAL SWITCH

Turn ignition switch OFF.

- Disconnect sliding door lock assembly RH connector.
- 3. Check continuity between sliding door lock assembly RH terminals.

Sliding door lock assembly RH		Condition		Continuity
Term	inal	Condition		Continuity
6	2	Sliding door closure motor RH	Neutral position	Not existed
	2	Silding door closure motor fair	Other than above	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock assembly RH. DLK

Α

В

D

Е

Н

M

Ν

INFOID:0000000012408769

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR HANDLE SWITCH

SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408770

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- 2. Select "DOR HAND SW L" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOR HAND SW L	HAND SW L Sliding door handle LH	Pull	ON
BOKTIAND OW E		Release	OFF

Is the inspection result normal?

YES >> Sliding door handle switch is OK.

NO >> Refer to <u>DLK-332</u>, "SLIDING DOOR LH: Diagnosis Procedure".

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408771

1. CHECK SLIDING DOOR HANDLE SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect remote control assembly LH connector.
- 3. Check voltage between remote control assembly LH harness connector and ground.

(+)			
Remote control	Remote control assembly LH		Voltage
Connector	Terminal		
D118	2	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door handle switch circuit

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and remote control assembly LH harness connector.

Sliding door	control unit LH	Remote contro	ol assembly LH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	22	D118	2	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	22		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK SLIDING DOOR HANDLE SWITCH GROUND CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and remote control assembly LH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	door control unit LH Remote control assembly LH		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
B45	23	D118	1	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK SLIDING DOOR HANDLE SWITCH CIRCUIT 2

- Connect sliding door control unit LH connector and remote control assembly LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

(+)				
Sliding door control unit LH		(–)	Voltage	
Connector	Terminal			
B45	23	Ground	0 V	

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

5. CHECK SLIDING DOOR HANDLE SWITCH

Refer to DLK-333, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace remote control assembly LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK SLIDING DOOR HANDLE SWITCH

- Turn ignition switch OFF.
- 2. Disconnect remote control assembly LH connector.
- 3. Check continuity between remote control assembly LH terminals.

Remote control assembly LH		Condition		Continuity
Term	inal	Condition		Continuity
2	1	Sliding door handle LH	Pull	Existed
2	2	Silding door natitale Life	Release	Not existed

Is the inspection result normal?

>> INSPECTION END YES

NO >> Replace remote control assembly LH.

SLIDING DOOR RH

DLK

Α

В

D

Е

Н

M

INFOID:0000000012408772

Ν

Р

DLK-333 Revision: October 2015 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408773

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "DOR HAND SW R" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOR HAND SW R	Sliding door handle RH	Pull	ON
DOKTIAND OW K		Release	OFF

Is the inspection result normal?

YES >> Sliding door handle switch is OK.

NO >> Refer to <u>DLK-334</u>, "SLIDING DOOR RH: <u>Diagnosis Procedure</u>".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408774

1. CHECK SLIDING DOOR HANDLE SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect remote control assembly RH connector.
- 3. Check voltage between remote control assembly RH harness connector and ground.

(+) Remote control assembly RH			
		(–)	Voltage
Connector	Terminal		
D127	2	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SLIDING DOOR HANDLE SWITCH CIRCUIT

- 1. Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and remote control assembly RH harness connector.

Sliding door of	control unit RH	Remote control assembly RH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B247	22	D127	2	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
 Connector	Terminal	Ground	Continuity
B247	22		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door handle switch ground circuit

- 1. Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and remote control assembly RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit RH		Remote control assembly RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	23	D127	1	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK SLIDING DOOR HANDLE SWITCH CIRCUIT 2

- 1. Connect sliding door control unit RH connector and remote control assembly RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door co	Sliding door control unit RH		Voltage
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

5. CHECK SLIDING DOOR HANDLE SWITCH

Refer to DLK-335, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace remote control assembly RH.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK SLIDING DOOR HANDLE SWITCH

- Turn ignition switch OFF.
- 2. Disconnect remote control assembly RH connector.
- 3. Check continuity between remote control assembly RH terminals.

Remote control assembly RH		Condition		Continuity	
Term	ninal	-	idition	Continuity	
2	1	Sliding door handle RH	Pull	Existed	
	'	Silding door handle IXT	Release	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace remote control assembly RH.

DLK

Α

В

D

Е

Н

L

_

M

Ν

Р

2016 Quest

INFOID:0000000012408775

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR LOCK STATUS SWITCH

SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408776

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- 2. Select "KNOB LCK SW L" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KNOB LCK SW L	Sliding door LH	LOCK	OFF
KNOB LOK GW L	Sliding door LH	UNLOCK	ON

Is the inspection result normal?

YES >> Sliding door lock status switch is OK.

NO >> Refer to DLK-336, "SLIDING DOOR LH: Diagnosis Procedure".

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408777

1. CHECK SLIDING DOOR LOCK STATUS SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door lock status switch LH connector.
- 3. Check voltage between sliding door lock status switch LH harness connector and ground.

(+)			
Sliding door lock s	Sliding door lock status switch LH		Voltage
Connector	Terminal		
D119	1	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door lock status switch circuit

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock status switch LH harness connector.

Sliding door	control unit LH	Sliding door lock status switch LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	3	D119	1	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal Ground		Continuity
B45	3		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door lock status switch ground circuit

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock status switch LH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit LH		Sliding door lock status switch LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	23	D119	3	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR LOCK STATUS SWITCH CIRCUIT 2

- Connect sliding door control unit LH connector and sliding door lock status switch LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

(+)			Voltage
Sliding door control unit LH		(–)	
Connector	Terminal		
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

5. CHECK SLIDING DOOR LOCK STATUS SWITCH

Refer to DLK-337, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock actuator LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK SLIDING DOOR LOCK STATUS SWITCH

- Turn ignition switch OFF.
- Disconnect sliding door lock status switch LH connector.
- 3. Check continuity between sliding door lock status switch LH terminals.

Sliding door lock	status switch LH	_ Condition C		Continuity
Term	ninal			Continuity
3	1	Sliding door LH	LOCK	Not existed
3	3		UNLOCK	Existed

Is the inspection result normal?

>> INSPECTION END YES

>> Replace sliding door lock status switch LH. NO

SLIDING DOOR RH

DLK

Α

В

D

Е

Н

INFOID:0000000012408778

M

Ν

Р

DLK-337 Revision: October 2015 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408779

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "KNOB LCK SW R" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KNOB LCK SW R	Sliding door RH	LOCK	OFF
RNOB LCR SW R Sildii	Silding door terr	UNLOCK	ON

Is the inspection result normal?

YES >> Sliding door lock status switch is OK.

NO >> Refer to <u>DLK-338</u>, "SLIDING DOOR RH : Diagnosis Procedure".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408780

1. CHECK SLIDING DOOR LOCK STATUS SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock status switch RH connector.
- 3. Check voltage between sliding door lock status switch RH harness connector and ground.

(+)				
Sliding door lock status switch RH		(-)	Voltage	
Connector	Terminal			
D120	3	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check sliding door lock status switch circuit

- 1. Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and sliding door lock status switch RH harness connector.

Sliding door of	control unit RH	Sliding door lock	status switch RH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	3	D120	3	Existed

Check continuity between sliding door control unit RH harness connector and ground.

	Sliding door o	control unit RH		Continuity
_	Connector	Terminal	Ground	Continuity
_	B247	3		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door lock status switch ground circuit

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock status switch RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit RH	Sliding door lock	status switch RH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	23	D120	1	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR LOCK STATUS SWITCH CIRCUIT 2

- Connect sliding door control unit RH connector and sliding door lock status switch RH connector.
- Check voltage between sliding door control unit RH harness connector and ground.

(+)			Voltage
Sliding door control unit RH		(–)	
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

5. CHECK SLIDING DOOR LOCK STATUS SWITCH

Refer to DLK-339, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door lock actuator RH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK SLIDING DOOR LOCK STATUS SWITCH

- Turn ignition switch OFF.
- Disconnect sliding door lock status switch RH connector.
- Check continuity between sliding door lock status switch RH terminals.

Sliding door lock	status switch RH	- Condition Con		Continuity
Term	inal			Continuity
2	1	Sliding door RH	LOCK	Not existed
3	ı		UNLOCK	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door lock actuator RH. DLK

Α

В

D

Е

Н

M

Ν

Р

INFOID:0000000012408781

FUEL LID STATUS SWITCH

< DTC/CIRCUIT DIAGNOSIS >

FUEL LID STATUS SWITCH

Component Function Check

INFOID:0000000012408782

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- 2. Select "F LID SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
F LID SW	Fuel filler lid status switch	ON	ON
T LID GVV	r der iller ha status switch	OFF	OFF

Is the inspection result normal?

YES >> Fuel filler lid status switch is OK.

NO >> Refer to <u>DLK-340, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000012408783

1. CHECK FUEL FILLER LID STATUS SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect fuel filler lid status switch connector.
- 3. Check voltage between fuel filler lid status switch harness connector and ground.

(+)				
Fuel filler lid status switch		(–)	Voltage	
Connector	Terminal			
B24	2	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK FUEL FILLER LID STATUS SWITCH CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and fuel filler lid status switch harness connector.

Sliding door	control unit LH	Fuel filler lid status switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	17	B24	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	17		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK FUEL FILLER LID STATUS SWITCH GROUND CIRCUIT

Check continuity between fuel filler lid status switch LH harness connector and ground.

FUEL LID STATUS SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Fuel filler lid status switch			Continuity
Connector	Terminal	Ground	Continuity
B24	1		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK FUEL FILLER LID STATUS SWITCH

Refer to DLK-341, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace fuel filler interlock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

Component Inspection

1. CHECK FUEL FILLER LID STATUS SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect fuel filler lid status switch connector.
- 3. Check continuity between fuel filler lid status switch terminals.

Fuel filler lid status switch		Condition		Continuity
Term	ninal	Condition		Continuity
2	1	Fuel filler lid status switch	ON	Existed
2	Fuel liller lid status switch	OFF	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace fuel filler lid interlock assembly.

DLK

Α

В

D

Е

F

Н

INFOID:0000000012408784

Ν

0

Р

Revision: October 2015 DLK-341 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR OPEN/CLOSE SWITCH

FRONT LH

FRONT LH: Component Function Check

INFOID:0000000012408785

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- Select "DRIVER SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DRIVER SW	Sliding door open/close switch	Pressed	ON
DIVIVEIX OVV	(front LH)	Released	OFF

Is the inspection result normal?

YES >> Sliding door open/close switch (front LH) is OK.

NO >> Refer to DLK-342, "FRONT LH : <a href="Diagnosis Procedure".

FRONT LH: Diagnosis Procedure

INFOID:0000000012408786

${f 1}.$ CHECK SLIDING DOOR OPEN/CLOSE SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door open/close switch (front side) connector.
- 3. Check voltage between sliding door open/close switch (front side) harness connector and ground.

(+)			
Sliding door open/clos	Sliding door open/close switch (front side)		Voltage
Connector	Terminal		
M90	2	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door open/close switch circuit

- Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door open/close switch (front side) harness connector.

Sliding door	door control unit LH Sliding door open/close switch (front side)		Continuity	
Connector	Terminal	Connector Terminal		Continuity
B45	19	M90	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	19		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door open/close switch ground circuit

Check continuity between sliding door open/close switch (front side) harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door open/close switch (front side)			Continuity	
Connector	Terminal	Ground	Continuity	
M90	3		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK SLIDING DOOR OPEN/CLOSE SWITCH

Refer to DLK-343, "FRONT LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door open/close switch (front side).

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

FRONT LH: Component Inspection

1. CHECK SLIDING DOOR OPEN/CLOSE SWITCH

Turn ignition switch OFF.

Disconnect sliding door open/close switch (front side) connector.

3. Check continuity between sliding door open/close switch (front side) terminals.

Sliding door open/close switch (front side)		Condition		Continuity
Term	inal	Condition		Continuity
2	3	Sliding door open/close switch	Pressed	Existed
2	(front LH)	Released	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door open/close switch (front side).

FRONT RH

FRONT RH: Component Function Check

1.check function

- Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "DRIVER SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DRIVER SW	Sliding door open/close switch	Pressed	ON
DRIVER SW	(front RH)	Released	OFF

Is the inspection result normal?

YES >> Sliding door open/close switch (front RH) is OK.

NO >> Refer to <u>DLK-343</u>, "FRONT RH : <u>Diagnosis Procedure"</u>.

FRONT RH: Diagnosis Procedure

1.check sliding door open/close switch input signal

- Turn ignition switch OFF.
- Disconnect sliding door open/close switch (front side) connector.

DLK

Α

В

D

Е

Н

INFOID:0000000012408787

Ν

Р

INFOID:0000000012408789

INFOID:0000000012408788

Revision: October 2015 DLK-343 2016 Quest

< DTC/CIRCUIT DIAGNOSIS >

3. Check voltage between sliding door open/close switch (front side) harness connector and ground.

(+)			
Sliding door open/close switch (front side)		(–)	Voltage
Connector	Terminal		
M90	1	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door open/close switch circuit

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door open/close switch (front side) harness connector.

Sliding door of	control unit RH	Sliding door open/close switch (front side)		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B247	19	M90	1	Existed	

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B247	19		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door open/close switch ground circuit

Check continuity between sliding door open/close switch (front side) harness connector and ground.

Sliding door open/close switch (front side)			Continuity
Connector	Connector Terminal		Continuity
M90	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK SLIDING DOOR OPEN/CLOSE SWITCH

Refer to DLK-344, "FRONT RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door open/close switch (front side).

CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

FRONT RH: Component Inspection

INFOID:0000000012408790

1. CHECK SLIDING DOOR OPEN/CLOSE SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door open/close switch (front side) connector.
- Check continuity between sliding door open/close switch (front side) terminals.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door open/close switch (front side) Terminal		Condition		Continuity
				Continuity
1	3	Sliding door open/close switch	Pressed	Existed
ı	3	(front RH)	Released	Not existed

Α

В

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door open/close switch (front side).

С

D

Е

F

G

Н

J

DLK

L

M

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408791

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR" using CONSULT.
- 2. Select "ONE-TOUCH SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
ONE-TOUCH SW	Sliding door one-touch open/	Pressed	ON
ONE-100CH SW	close switch LH	Released	OFF

Is the inspection result normal?

YES >> Sliding door one-touch open/close switch is OK.

NO >> Refer to <u>DLK-346</u>, "SLIDING DOOR LH : <u>Diagnosis Procedure"</u>.

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408792

1. CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sliding door one-touch open/close switch LH connector.
- 3. Check voltage between sliding door one-touch open/close switch LH harness connector and ground.

(+)			Voltage
Sliding door one-touch	Sliding door one-touch open/close switch LH		
Connector	Terminal		
D125	1	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door one-touch open/close switch circuit

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door one-touch open/ close switch LH harness connector.

Sliding door	control unit LH	Sliding door one-touch open/close switch LH				Continuity
Connector	Terminal	Connector Terminal		Continuity		
B45	14	D125	1	Existed		

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Connector Terminal		Continuity
B45	14		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door one-touch open/close switch ground circuit

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door one-touch open/ close switch LH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit LH	Sliding door one-touch open/close switch LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B45	23	D125	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector Terminal		Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH CIRCUIT 2

- Connect sliding door control unit LH connector and sliding door one-touch open/close switch LH connec-
- Check voltage between sliding door one-touch open/close switch LH harness connector and ground.

(+)			
Sliding door control unit LH		(–)	Voltage
Connector	Terminal		
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

5.check sliding door one-touch open/close switch

Refer to DLK-347, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door one-touch open/close switch LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

- 1. Turn ignition switch OFF.
- Disconnect sliding door one-touch open/close switch LH connector.
- Check continuity between sliding door one-touch open/close switch LH terminals.

Sliding door one-touch open/close switch LH Terminal		Condition		Continuity
1	2	Sliding door one-touch open/	Pressed	Existed
ı	2	close switch LH	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

Revision: October 2015

>> Replace sliding door one-touch open/close switch LH. SLIDING DOOR RH

DLK-347

DLK

Α

В

D

Е

Н

Ν

INFOID:0000000012408793

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408794

1. CHECK FUNCTION

- 1. Select "AUTO SLDE DOOR RIGHT" using CONSULT.
- 2. Select "ONE-TOUCH SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
ONE-TOUCH SW	Sliding door one-touch open/	Pressed	ON
SINE TOOGITOW	close switch RH	Released	OFF

Is the inspection result normal?

YES >> Sliding door one-touch open/close switch is OK.

NO >> Refer to <u>DLK-346</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure</u>".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408795

1. CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect sliding door one-touch open/close switch RH connector.
- 3. Check voltage between sliding door one-touch open/close switch RH harness connector and ground.

(+)				
Sliding door one-touch	open/close switch RH	(–)	Voltage	
Connector Terminal				
D126	1	Ground	8 – 16 V	

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.check sliding door one-touch open/close switch circuit

- 1. Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door one-touch open/close switch RH harness connector.

Sliding door control unit RH		Sliding door one-touch open/close switch RH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B247	14	D126	1	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door of	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	14		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

$3. \mathrm{check}$ sliding door one-touch open/close switch ground circuit

- Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and sliding door one-touch open/close switch RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit RH		Sliding door one-touch open/close switch RH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B247	23	D126	2	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH CIRCUIT 2

- Connect sliding door control unit RH connector and sliding door one-touch open/close switch RH connec-
- 2. Check voltage between sliding door one-touch open/close switch RH harness connector and ground.

(+))		
Sliding door control unit RH		(–)	Voltage
Connector	Terminal		
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to DLK-499, "RH: Removal and Installation".

5.check sliding door one-touch open/close switch

Refer to DLK-349, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door one-touch open/close switch RH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH: Component Inspection

1. CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

- 1. Turn ignition switch OFF.
- Disconnect sliding door one-touch open/close switch RH connector.
- Check continuity between sliding door one-touch open/close switch RH terminals.

Sliding door one-touch open/close switch RH Terminal		Condition		Continuity
1	2	Sliding door one-touch open/	Pressed	Existed
ı	2	close switch RH	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door one-touch open/close switch RH. DLK

Α

В

D

Е

Н

INFOID:0000000012408796

Ν

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR TOUCH SENSOR

SLIDING DOOR LH

SLIDING DOOR LH : Component Function Check

INFOID:0000000012408797

1. CHECK FUNCTION

- 1. Select "AUTO SLIDE DOOR" using CONSULT.
- 2. Select "TOUCH SEN LH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
TOUCH SEN LH	Sliding door touch sensor LH	Other than below	OFF
	Silding door touch sensor Ln	Detect obstruction	ON

Is the inspection result normal?

YES >> Sliding door touch sensor is OK.

NO >> Refer to DLK-350, "SLIDING DOOR LH: Diagnosis Procedure".

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408798

1.CHECK SLIDING DOOR TOUCH SENSOR INPUT SIGNAL

- Turn ignition switch OFF.
- Check voltage between sliding door touch sensor LH harness connector and sliding door control unit LH harness connector.

(+)	(-	–)	Condition			
•	touch sensor -H	•	r control unit .H			Voltage	
Connector	Terminal	Connector	Terminal				
D172	1	B45	23	Sliding door touch Detect obstruction		0 – 1.5 V	
D172	I I	B45	B45	23	sensor LH	Other than above	4 – 8 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT

- 1. Disconnect sliding door control unit LH and sliding door touch sensor LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door touch sensor LH harness connector.

Sliding door co	Sliding door control unit LH		Sliding door touch sensor LH		
Connector	Terminal	Connector Terminal		Continuity	
B45	24	D172	1	Existed	

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	24		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door touch sensor ground circuit

Disconnect sliding door control unit LH and sliding door touch sensor LH connectors.

< DTC/CIRCUIT DIAGNOSIS >

Check continuity between sliding door control unit LH harness connector and sliding door touch sensor LH harness connector.

Sliding door	Sliding door control unit LH		Sliding door touch sensor LH	
Connector	Terminal	Connector	Terminal	Continuity
B45	23	D172	2	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door of	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B45	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK SLIDING DOOR TOUCH SENSOR GROUND CIRCUIT 2

- Connect sliding door control unit LH connector and sliding door touch sensor LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

	(+)		
Sliding door	control unit LH	(–)	Voltage
Connector	Terminal		3.3
B45	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

${f 5}$.CHECK SLIDING DOOR TOUCH SENSOR

Refer to DLK-351, "SLIDING DOOR LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door touch sensor LH.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR LH: Component Inspection

1. Check sliding door touch sensor LH

- Turn ignition switch OFF.
- Disconnect sliding door touch sensor LH connector.
- Check resistance between sliding door touch sensor LH terminals.

Sliding door touch sensor LH		Condition		Resistance	
Terminal				resistance	
1 2	Sliding door touch sen-	Detect obstruction	120 Ω or less		
'	2	sor RH	Other than above	1 kΩ ± 10%	

Is the inspection result normal?

YES >> INSPECTION END

>> Replace sliding door touch sensor LH.

SLIDING DOOR RH

DLK-351 Revision: October 2015 2016 Quest DLK

Α

В

D

Е

Н

INFOID:0000000012408799

M

Ν

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Function Check

INFOID:0000000012408800

1. CHECK FUNCTION

- 1. Select "AUTO SLIDE DOOR RIGHT" using CONSULT.
- 2. Select "TOUCH SEN RH" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	C	Status	
TOUCH SEN RH	Sliding door touch sensor RH	Other than below	OFF
Sliding door touch sensor to		Detect obstruction	ON

Is the inspection result normal?

YES >> Sliding door touch sensor is OK.

NO >> Refer to <u>DLK-352</u>, "SLIDING DOOR RH : <u>Diagnosis Procedure</u>".

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408801

1. CHECK SLIDING DOOR TOUCH SENSOR INPUT SIGNAL

- Turn ignition switch OFF.
- Check voltage between sliding door touch sensor RH harness connector and sliding door control unit RH harness connector.

(+)	(-)					
•	touch sensor RH	•	r control unit RH	Condition		Condition Voltage		Voltage
Connector	Terminal	Connector	Terminal					
D173	1	B247	23	Sliding door touch	Detect obstruction	0 – 1.5 V		
D173	1 624		B247	5247	23	sensor RH	Other than above	4 – 8 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SLIDING DOOR TOUCH SENSOR CIRCUIT

- 1. Disconnect sliding door control unit RH connector and sliding door touch sensor RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door touch sensor RH harness connector.

Sliding door co	g door control unit RH		uch sensor RH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	24	D173	1	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	24		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.check sliding door touch sensor ground circuit

- 1. Disconnect sliding door control unit RH connector and sliding door touch sensor RH connectors.
- Check continuity between sliding door control unit RH harness connector and sliding door touch sensor RH harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Sliding door o	control unit RH	Sliding door to	uch sensor RH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B247	23	D173	2	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity	
Connector	Connector Terminal		Continuity	
B247	23		Not existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK SLIDING DOOR TOUCH SENSOR GROUND CIRCUIT 2

- 1. Connect sliding door control unit RH connector and sliding door touch sensor RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

	(+)		
Sliding door	control unit RH	(–)	Voltage
Connector	Terminal		1 51103
B247	23	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

5. CHECK SLIDING DOOR TOUCH SENSOR

Refer to DLK-353, "SLIDING DOOR RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace sliding door touch sensor RH.

6. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH : Component Inspection

1. CHECK SLIDING DOOR TOUCH SENSOR RH

- Turn ignition switch OFF.
- Disconnect sliding door touch sensor RH connector.
- 3. Check resistance between sliding door touch sensor RH terminals.

Sliding door to	Sliding door touch sensor RH		tion	Resistance
Terr	Terminal		Condition	
1	2	Sliding door touch sen-	Detect obstruction	120 Ω or less
ı	2	sor RH	Other than above	1 kΩ ± 10%

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sliding door touch sensor RH.

DLK

M

Ν

Р

INFOID:0000000012408802

Α

В

D

Е

Н

Revision: October 2015 DLK-353 2016 Quest

CLUTCH

< DTC/CIRCUIT DIAGNOSIS >

CLUTCH

SLIDING DOOR LH

SLIDING DOOR LH: Component Function Check

INFOID:0000000012408803

1. CHECK FUNCTION

- 1. Select "AUTO SLIDE DOOR" using CONSULT.
- 2. Select "CLUTCH" in "ACTIVE TEST" mode.
- Touch "HOLD" and "RELEASE" to check that it works normally.

Is the inspection result normal?

YES >> Clutch is OK.

NO >> Refer to <u>DLK-354</u>, "SLIDING DOOR LH: <u>Diagnosis Procedure"</u>.

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408804

1. CHECK CLUTCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic sliding door unit LH connector.
- 3. Check voltage between automatic sliding door unit LH harness connector and ground.

(+ Automatic slidin	<u> </u>	(-)	Condition		Voltage
Connector	Terminal				
B33	2	Ground	Clutch	ON	9 – 16 V
ВЗЗ	2 Ground	Giodila	Ciuton	OFF	0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK CLUTCH CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door	Sliding door control unit LH		Automatic sliding door unit LH	
Connector	Terminal	Connector	Terminal	Continuity
B47	47	B33	2	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door of	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B47	47		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

NO >> Repair or replace harness.

3.CHECK CLUTCH GROUND CIRCUIT

- Disconnect sliding door control unit LH connector.
- 2. Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door	control unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector Terminal		Continuity
B47	44	B33	1	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door of	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B47	44		Not existed

Is the inspection result normal?

YES >> GO TO 4.

>> Repair or replace harness. NO

4. CHECK CLUTCH CIRCUIT 2

- Connect sliding door control unit LH connector and automatic sliding door unit LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

(+)		
Sliding door co	ontrol unit LH	(–)	Voltage
Connector	Terminal		
B47	44	Ground	0 V

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

>> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

SLIDING DOOR RH

SLIDING DOOR RH: Component Function Check

1. CHECK FUNCTION

- Select "AUTO SLIDE DOOR RIGHT" using CONSULT.
- Select "CLUTCH" in "ACTIVE TEST" mode.
- Touch "HOLD" and "RELEASE" to check that it works normally.

Is the inspection result normal?

YES >> Clutch is OK.

>> Refer to DLK-354, "SLIDING DOOR LH: Diagnosis Procedure". NO

SLIDING DOOR RH : Diagnosis Procedure

1. CHECK CLUTCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect automatic sliding door unit RH connector.
- Check voltage between automatic sliding door unit RH harness connector and ground.

(+	·)				
Automatic sliding door unit RH		(–)	Condition		Voltage
Connector	Terminal				
B245	2 Ground	Clutch	ON	9 – 16 V	
B243	D240 Z		Ciutori	OFF	0 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

${f 2.}$ CHECK CLUTCH CIRCUIT

DLK

Α

В

D

Е

INFOID:0000000012408806

INFOID:0000000012408805

Ν

CLUTCH

< DTC/CIRCUIT DIAGNOSIS >

- Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door	Sliding door control unit RH		Automatic sliding door unit RH	
Connector	Terminal	Connector	Terminal	Continuity
B249	47	B245	2	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B249	47		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

3.check clutch ground circuit

- Disconnect sliding door control unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door o	Sliding door control unit RH		ng door unit RH	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B249	44	B245	1	Existed

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B249	44		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK CLUTCH CIRCUIT 2

- 1. Connect sliding door control unit RH connector and automatic sliding door unit RH connector.
- 2. Check voltage between sliding door control unit RH harness connector and ground.

(+)				
Sliding door control unit RH		(–)	Voltage	
Connector	Terminal			
B249	44	Ground	0 V	

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

AUTOMATIC SLIDING DOOR MOTOR

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC SLIDING DOOR MOTOR SLIDING DOOR LH

INFOID:0000000012408807

Α

В

D

Е

F

Н

SLIDING DOOR LH: Diagnosis Procedure

1. CHECK AUTOMATIC SLIDING DOOR MOTOR INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect sliding door control unit LH connector.
- Check voltage between sliding door control unit LH harness connector and ground.

	+) control unit LH	(–)	Condition		Condition		Voltage
Connector	Terminal						
B47	43	Ground	Ground Sliding door LH		9 – 16 V		
D47	46	Giodila	Siluling door LFI	Close operate	9 – 10 V		

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

2.check automatic sliding door motor circuit

- Disconnect automatic sliding door unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door unit LH harness connector.

Sliding door of	control unit LH	Automatic sliding door unit LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B47	43	B33	3	Existed
	46	200	4	LAISIEU

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door o	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B47	43	Ground	Not existed
D 1 1	46		Not existed

Is the inspection result normal?

YES >> Replace automatic sliding door unit LH.

NO >> Repair or replace harness.

SLIDING DOOR RH

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408808

${f 1}$.CHECK AUTOMATIC SLIDING DOOR MOTOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect sliding door control unit RH connector. 2.
- Check voltage between sliding door control unit RH harness connector and ground.

(+)				
Sliding door control unit RH		(-)	Condition		Voltage
Connector	Terminal				
B249	43	Ground	Sliding door PH	Open operate	9 – 16 V
D249	46	Ground	Ground Sliding door RH		9 - 10 V

DLK-357 Revision: October 2015 2016 Quest DLK

Ν

AUTOMATIC SLIDING DOOR MOTOR

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

2.CHECK AUTOMATIC SLIDING DOOR MOTOR CIRCUIT

- 1. Disconnect automatic sliding door unit RH connector.
- 2. Check continuity between sliding door control unit RH harness connector and automatic sliding door unit RH harness connector.

Sliding door	control unit RH	Automatic sliding door unit RH Connector Terminal		Continuity
Connector	Terminal			Continuity
B249	43	B245	4	Existed
D249	46	5245	3	LAISIEU

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B249	43		Not existed
D249	46		Not existed

Is the inspection result normal?

YES >> Replace automatic sliding door unit RH.

NO >> Repair or replace harness.

SLIDING DOOR LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR LOCK RELEASE ACTUATOR SLIDING DOOR LH

INFOID:0000000012408809

Α

В

D

Е

F

Н

SLIDING DOOR LH : Diagnosis Procedure

1. CHECK SLIDING DOOR LOCK RELEASE ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock release actuator LH connector.
- Check voltage between sliding door lock release actuator LH harness connector and ground.

Cliding door look	+)	()	Voltage	
Connector	Sliding door lock release actuator LH Connector Terminal		voltage	
D121	1	Ground	9 – 16 V	

Is the inspection result normal?

YES >> GO TO 2.

NO >> GO TO 4.

2.CHECK SLIDING DOOR LOCK RELEASE ACTUATOR CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock release actuator LH harness connector.

Sliding door	Sliding door control unit LH		Sliding door lock release actuator LH	
Connector	Terminal	Connector Terminal		Continuity
B46	39	D121	2	Existed

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door	control unit LH		Continuity
Connector	Terminal	Ground	Continuity
B46	39		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK SLIDING DOOR LOCK RELEASE ACTUATOR CIRCUIT 2

- 1. Connect sliding door control unit LH connector and sliding door lock release actuator LH connector.
- 2. Check voltage between sliding door control unit LH harness connector and ground.

(+)			
Sliding door control unit LH		(–)	Voltage	
Connector	Terminal			
B46	39	Ground	0 V	

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

4. CHECK SLIDING DOOR LOCK RELEASE ACTUATOR GROUND CIRCUIT

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock release actuator LH harness connector.

DLK

ı

M

Ν

SLIDING DOOR LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

Sliding door control unit LH Slid		Sliding door lock release actuator LH		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B46	40	D121	1	Existed	

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B46	40		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to DLK-499, "LH: Removal and Installation".

NO >> Repair or replace harness.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

SLIDING DOOR RH

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408810

1. CHECK SLIDING DOOR LOCK RELEASE ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door lock release actuator RH connector.
- 3. Check voltage between sliding door lock release actuator RH harness connector and ground.

(+)			
Sliding door lock release actuator RH		(–)	Voltage
Connector	Terminal		
D122	1	Ground	9 – 16 V

Is the inspection result normal?

YES >> GO TO 2.

NO >> GO TO 4.

2.CHECK SLIDING DOOR LOCK RELEASE ACTUATOR CIRCUIT

- Disconnect sliding door control unit RH connector.
- Check continuity between sliding door control unit RH harness connector and sliding door lock release actuator RH harness connector.

Sliding door control unit RH		Sliding door lock release actuator RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B248	39	D122	2	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B248	39		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK SLIDING DOOR LOCK RELEASE ACTUATOR CIRCUIT 2

1. Connect sliding door control unit RH connector and sliding door lock release actuator RH connector.

SLIDING DOOR LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

2. Check voltage between sliding door control unit RH harness connector and ground.

(+)			
Sliding door o	Sliding door control unit RH		Voltage
Connector	Terminal		
B248	39	Ground	0 V

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

4. CHECK SLIDING DOOR LOCK RELEASE ACTUATOR GROUND CIRCUIT

I. Disconnect sliding door control unit RH connector.

2. Check continuity between sliding door control unit RH harness connector and sliding door lock release actuator RH harness connector.

Sliding door o	Sliding door control unit RH		Sliding door lock release actuator RH	
Connector	Terminal	Connector	Terminal	Continuity
B248	40	D122	1	Existed

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B248	40		Not existed

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

NO >> Repair or replace harness.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-41, "Intermittent Incident".

>> INSPECTION END

DLK

Α

В

D

Е

F

Н

Ν

C

Р

Revision: October 2015 DLK-361 2016 Quest

SLIDING DOOR CLOSURE MOTOR

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR CLOSURE MOTOR

SLIDING DOOR LH

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408811

1. CHECK SLIDING DOOR CLOSURE MOTOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sliding door control unit LH connector.
- 3. Check voltage between sliding door control unit LH harness connector and ground.

(+)					
Sliding door control unit LH		(-)	Condition		Voltage	
Connector	Terminal					
B46	34	Ground	Sliding door clo-	Closure operation	9 – 16 V	
540	35	Giouna	sure motor LH	Return operation	9 – 10 V	

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace sliding door control unit LH. Refer to <u>DLK-499</u>, "LH: Removal and Installation".

2.check sliding door closure motor circuit

- 1. Disconnect sliding door lock assembly LH connector.
- Check continuity between sliding door control unit LH harness connector and sliding door lock assembly LH harness connector.

Sliding door	control unit LH	Sliding door lock assembly LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B46	34	D123	4	Existed
Б40	35	D123	1	LAISIEU

3. Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B46	34	Ground	Not existed
D40	35		Not existed

Is the inspection result normal?

YES >> Replace sliding door lock assembly LH.

NO >> Repair or replace harness.

SLIDING DOOR RH

SLIDING DOOR RH: Diagnosis Procedure

INFOID:0000000012408812

1. CHECK SLIDING DOOR CLOSURE MOTOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect sliding door control unit RH connector.
- 3. Check voltage between sliding door control unit RH harness connector and ground.

(+)				
Sliding door control unit RH		(–)	Condition		Voltage
Connector	Terminal				
B248	34 Sliding door clo		Sliding door clo-	Closure operation	9 – 16 V
D240	35	Ground	sure motor RH	Return operation	9 – 10 V

SLIDING DOOR CLOSURE MOTOR

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace sliding door control unit RH. Refer to <u>DLK-499</u>, "RH: Removal and Installation".

2.check sliding door closure motor circuit

1. Disconnect sliding door lock assembly RH connector.

Check continuity between sliding door control unit RH harness connector and sliding door lock assembly RH harness connector.

Sliding door	control unit RH	Sliding door lock assembly RH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B248	34	D124	4	Existed
D2 4 0	35	D124	1	LAISIEU

3. Check continuity between sliding door control unit RH harness connector and ground.

Sliding door control unit RH			Continuity
Connector	Terminal	Ground	Continuity
B248	34	Ground	Not existed
D240	35		NOI EXISIEU

Is the inspection result normal?

YES >> Replace sliding door lock assembly RH.

NO >> Repair or replace harness.

DLK

J

Α

В

C

D

Е

F

Н

Ν

0

Р

AUTOMATIC SLIDING DOOR WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

AUTOMATIC SLIDING DOOR WARNING BUZZER SLIDING DOOR LH

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408813

1.CHECK FUSE

- Turn ignition switch OFF.
- Check 10 A fuse, [No.9, located in fuse block (J/B)]

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER INPUT SIGNAL

- 1. Disconnect automatic sliding door warning buzzer LH connector.
- 2. Check voltage between automatic sliding door warning buzzer LH harness connector and ground.

(+)		
Automatic sliding do	or warning buzzer LH	(–)	Voltage
Connector	Terminal		
B27	1	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check automatic sliding door warning buzzer circuit

- 1. Disconnect sliding door control unit LH connector.
- Check continuity between sliding door control unit LH harness connector and automatic sliding door warning buzzer LH harness connector.

Sliding door control unit LH		Automatic sliding door warning buzzer LH		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B45	8	B27	2	Existed

Check continuity between sliding door control unit LH harness connector and ground.

Sliding door control unit LH			Continuity
Connector	Terminal	Ground	Continuity
B45	8		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

$oldsymbol{4}.$ CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER

Refer to DLK-364, "SLIDING DOOR LH: Component Inspection"

Is the inspection result normal?

YES >> Replace sliding door control unit LH. Refer to <u>DLK-499, "LH: Removal and Installation"</u>.

NO >> Repair or replace harness.

SLIDING DOOR LH: Component Inspection

INFOID:0000000012408814

1. CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER

- Turn ignition switch OFF.
- 2. Disconnect automatic sliding door warning buzzer LH connector.
- Check battery power supply directly to automatic sliding door warning buzzer LH terminals and check the operation.

Revision: October 2015 DLK-364 2016 Quest

AUTOMATIC SLIDING DOOR WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

Automatic sliding do	Automatic sliding door warning buzzer LH Terminal Operation	
Tern		
(+)	(–)	
1	2	Buzzer sounds

Is the inspection result normal?

>> INSPECTION END YES

NO >> Replace automatic sliding door warning buzzer LH.

SLIDING DOOR RH

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408815

Α

В

D

1.CHECK FUSE

- Turn ignition switch OFF.
- Check 10 A fuse, [No.9, located in fuse block (J/B)]

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER INPUT SIGNAL

- Disconnect automatic sliding door warning buzzer RH connector.
- Check voltage between automatic sliding door warning buzzer RH harness connector and ground.

(+)		
Automatic sliding do	or warning buzzer RH	(–)	Voltage
Connector	Terminal		
B203	1	Ground	8 – 16 V

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check automatic sliding door warning buzzer circuit

Disconnect sliding door control unit RH connector.

Check continuity between sliding door control unit RH harness connector and automatic sliding door warning buzzer RH harness connector.

Sliding door o	Sliding door control unit RH		Automatic sliding door warning buzzer RH		
Connector	Terminal	Connector	Terminal	Continuity	
B247	8	B203	2	Existed	

Check continuity between sliding door control unit RH harness connector and ground.

Sliding door o	control unit RH		Continuity
Connector	Terminal	Ground	Continuity
B247	8		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4 .CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER

Refer to DLK-366, "SLIDING DOOR RH: Component Inspection"

Is the inspection result normal?

YES >> Replace sliding door control unit RH. Refer to DLK-499, "RH: Removal and Installation".

NO >> Repair or replace harness.

DLK-365 Revision: October 2015 2016 Quest DLK

Н

Ν

Р

AUTOMATIC SLIDING DOOR WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

SLIDING DOOR RH: Component Inspection

INFOID:0000000012408816

1.check automatic sliding door warning buzzer

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic sliding door warning buzzer RH connector.
- 3. Check battery power supply directly to automatic sliding door warning buzzer RH terminals and check the operation.

Automatic sliding door warning buzzer RH			
Teri	minal	Operation	
(+)	(-)		
1	2	Buzzer sounds	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace automatic sliding door warning buzzer RH.

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH

< SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS Α DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK **SWITCH** В **ALL DOOR** ALL DOOR: Description INFOID:0000000012408817 All doors do not lock/unlock using door lock and unlock switch. ALL DOOR: Diagnosis Procedure INFOID:0000000012408818 CHECK DOOR LOCK AND UNLOCK SWITCH Check door lock and unlock switch. Е With automatic sliding door system: Refer to <u>DLK-251, "WITH AUTOMATIC SLIDING DOOR.</u> Component Function Check". Without automatic sliding door system: Refer to DLK-251, "WITHOUT AUTOMATIC SLIDING DOOR : Component Function Check". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CHECK DOOR LOCK ACTUATOR Check front door lock assembly (driver side). Н Refer to DLK-255, "DRIVER SIDE: Component Function Check". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.REPLACE BCM Replace BCM, Refer to BCS-99, "Removal and Installation". Confirm the operation after replacement. Is the result normal? DLK YES >> INSPECTION END >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". DRIVER SIDE DRIVER SIDE: Description INFOID:0000000012408819 Driver side door does not lock/unlock using door lock and unlock switch. DRIVER SIDE : Diagnosis Procedure INFOID:0000000012408820 1. CHECK DOOR LOCK ACTUATOR Ν Check front door lock assembly (driver side). Refer to DLK-255, "DRIVER SIDE: Component Function Check". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. Р 2.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

Revision: October 2015 DLK-367 2016 Quest

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH

< SYMPTOM DIAGNOSIS >

PASSENGER SIDE

PASSENGER SIDE : Description

INFOID:0000000012408821

Passenger side door does not lock/unlock using door lock and unlock switch.

PASSENGER SIDE: Diagnosis Procedure

INFOID:0000000012408822

1. CHECK DOOR LOCK ACTUATOR

Check front door lock assembly (passenger side).

Refer to DLK-256, "PASSENGER SIDE: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.REPLACE BCM

- Replace BCM. Refer to <u>BCS-99</u>, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

SLIDING DOOR LH

SLIDING DOOR LH: Description

INFOID:0000000012408823

Rear LH side door does not lock/unlock using door lock and unlock switch.

SLIDING DOOR LH: Diagnosis Procedure

INFOID:0000000012408824

1. CHECK DOOR LOCK ACTUATOR

Check sliding door lock assembly LH.

Refer to <u>DLK-258</u>, "<u>WITH AUTOMATIC SLIDING DOOR</u>: <u>Component Function Check"</u> (with automatic sliding door system), <u>DLK-261</u>, "<u>WITHOUT AUTOMATIC SLIDING DOOR</u>: <u>Component Function Check"</u> (without automatic sliding door system).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK SELECTIVE UNLOCK RELAY

Check selective unlock relay.

Refer to DLK-263, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

SLIDING DOOR RH

SLIDING DOOR RH: Description

INFOID:0000000012408825

Rear RH side door does not lock/unlock using door lock and unlock switch.

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH

< SYMPTOM DIAGNOSIS >

SLIDING DOOR RH : Diagnosis Procedure

INFOID:0000000012408826

Α

В

C

D

Е

F

Н

1. CHECK DOOR LOCK ACTUATOR

Check sliding door lock assembly RH.

Refer to <u>DLK-258</u>, "<u>WITH AUTOMATIC SLIDING DOOR</u>: <u>Component Function Check"</u> (with automatic sliding door system), <u>DLK-261</u>, "<u>WITHOUT AUTOMATIC SLIDING DOOR</u>: <u>Component Function Check"</u> (without automatic sliding door system).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99. "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

DLK

J

N

0

Р

Revision: October 2015 DLK-369 2016 Quest

DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION

< SYMPTOM DIAGNOSIS >

DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION

Diagnosis Procedure

INFOID:0000000012408827

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to DLK-367, "ALL DOOR : Diagnosis Procedure".

2. CHECK DOOR KEY CYLINDER SWITCH

Check door key cylinder switch.

Refer to <u>DLK-267</u>, "<u>WITH AUTOMATIC SLIDING DOOR</u>: Component Function Check" (with automatic sliding door), <u>DLK-268</u>, "<u>WITHOUT AUTOMATIC SLIDING DOOR</u>: Component Function Check" (without automatic sliding door).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

< SYMPTOM DIAGNOSIS >

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWI ALL DOOR REQUEST SWITCHES	TCH
ALL DOOR REQUEST SWITCHES : Description	INFOID:0000000012408828
All doors do not lock/unlock using all door request switches.	
ALL DOOR REQUEST SWITCHES : Diagnosis Procedure	INFOID:0000000012408829
1. CHECK REMOTE KEYLESS ENTRY FUNCTION	
Check remote keyless entry function.	
<u>Does door lock/unlock with Intelligent Key button?</u> YES >> GO TO 2.	
NO >> Refer to <u>DLK-271, "Component Function Check"</u> .	
2.CHECK "LOCK/UNLOCK BY I-KEY" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT. Select "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT" mode. Check "LOCK/UNLOCK BY I-KEY" setting in "WORK SUPPORT". Refer to DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)". 	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Set "ON" in "LOCK/UNLOCK BY I-KEY".	
3. CHECK INSIDE KEY ANTENNA	
 Check inside key antenna. Instrument center: Refer to <u>DLK-232, "DTC Logic"</u>. Console: Refer to <u>DLK-234, "DTC Logic"</u>. Luggage room: Refer to <u>DLK-236, "DTC Logic"</u>. 	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4.CHECK OUTSIDE KEY ANTENNA	
Check outside key antenna.	
 Driver side: Refer to <u>DLK-240, "DTC Logic"</u>. Passenger side: Refer to <u>DLK-238, "DTC Logic"</u>. Rear bumper: Refer to <u>DLK-242, "DTC Logic"</u>. 	·
Is the inspection result normal?	
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	
5.REPLACE BCM	
 Replace BCM. Refer to <u>BCS-99</u>, "Removal and Installation". Confirm the operation after replacement. 	
<u>Is the result normal?</u>	
YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	
DRIVER SIDE DOOR REQUEST SWITCH	
DRIVER SIDE DOOR REQUEST SWITCH : Description	INFOID:0000000012408830
All decreeds and health about a street 2 and 2 a	
All doors do not lock/unlock using driver side door request switch.	
DRIVER SIDE DOOR REQUEST SWITCH : Diagnosis Procedure	INFOID:0000000012408831

Revision: October 2015 DLK-371 2016 Quest

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

< SYMPTOM DIAGNOSIS >

Check front door request switch (driver side).

Refer to DLK-273, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.check outside key antenna

Check outside key antenna (driver side).

Refer to DLK-240, "DTC Logic".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

PASSENGER SIDE DOOR REQUEST SWITCH

PASSENGER SIDE DOOR REQUEST SWITCH: Description

INFOID:0000000012408832

All doors do not lock/unlock using passenger side door request switch.

PASSENGER SIDE DOOR REQUEST SWITCH: Diagnosis Procedure

INFOID:0000000012408833

1. CHECK DOOR REQUEST SWITCH

Check front door request switch (passenger side).

Refer to DLK-273, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK OUTSIDE KEY ANTENNA

Check outside key antenna (passenger side).

Refer to DLK-238, "DTC Logic".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

BACK DOOR REQUEST SWITCH

BACK DOOR REQUEST SWITCH: Description

INFOID:0000000012408834

INFOID:0000000012408835

All doors do not lock/unlock using back door request switch.

BACK DOOR REQUEST SWITCH: Diagnosis Procedure

1. CHECK BACK DOOR REQUEST SWITCH

Check back door request switch.

Revision: October 2015 DLK-372 2016 Quest

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

< SYMPTOM DIAGNOSIS >	
Refer to DLK-275, "Component Function Check".	
Is the inspection result normal?	Α
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	D
2.CHECK OUTSIDE KEY ANTENNA	В
Check outside key antenna (rear bumper). Rear bumper: Refer to DLK-242, "DTC Logic".	С
Is the inspection result normal?	O
YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	D
3.REPLACE BCM	
Replace BCM. Refer to <u>BCS-99, "Removal and Installation"</u> . Confirm the apprecian offer replacement.	Е
Confirm the operation after replacement. Is the result normal?	_
YES >> INSPECTION END	
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	F
	G
	Н
	J
	DL
	ı
	_

Ν

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

< SYMPTOM DIAGNOSIS >

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

Diagnosis Procedure

INFOID:0000000012408836

1. CHECK INTELLIGENT KEY

For Intelligent Key that cannot be used for door lock and unlock, check that the Intelligent Key belongs to the vehicle to be checked.

Does the Intelligent Key belong to the vehicle to checked?

YES >> GO TO 2.

NO >> Check Intelligent Key button operation with registered Intelligent Key belonging to the vehicle.

2.CHECK INTELLIGENT KEY LOW BATTERY WARNING

Check that the Intelligent Key low battery warning is operated.

Is the Intelligent Key low battery warning operated?

YES >> GO TO 6.

NO-1 >> With another registered Intelligent Key: GO TO 3.

NO-2 >> Without another registered Intelligent Key: GO TO 4.

3.CHECK INTELLIGENT KEY BUTTON OPERATION

Check that door lock and unlock can be performed by operating the buttons of another registered Intelligent Key.

Can door lock and unlock be performed with another registered Intelligent Key?

YES >> GO TO 4.

NO >> GO TO 7.

4. CHECK ENGINE START

While depressing the brake pedal, contact the backside of the Intelligent Key that cannot be used to perform door lock and unlock operation to the push-button ignition switch. Operate the push-button ignition switch, and check that the vehicle is in START status.

Is the vehicle in START status?

YES >> GO TO 6.

NO >> GO TO 5.

5. CHECK INTELLIGENT KEY

Check the inside of the Intelligent Key for rust or corrosion by water. Simultaneously check the internal circuits for damage.

Is the vehicle in START status?

YES >> GO TO 6.

NO >> Replace Intelligent Key.

6. CHECK INTELLIGENT KEY BATTERY

Check the Intelligent Key battery.

Refer to DLK-281, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace Intelligent Key battery.

7.CHECK POWER DOOR LOCK OPERATION

Check door lock/unlock using door lock and unlock switch.

Does door lock/unlock using door lock and unlock switch?

YES >> GO TO 8.

NO >> Refer to <u>DLK-367</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

8. CHECK REMOTE KEYLESS ENTRY RECEIVER

Check remote keyless entry receiver.

Refer to DLK-271, "Component Function Check".

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

DOOK DOES NOT LOOK ONLOOK WITH INTELLIGENT KET	
< SYMPTOM DIAGNOSIS >	
Is the inspection result normal?	
YES >> GO TO 9.	Α
NO >> Repair or replace the malfunctioning parts.	
9.CHECK DOOR SWITCH	В
Check door switch. Refer to DLK-247, "Component Function Check".	
Is the inspection result normal?	С
YES >> GO TO 10.	
NO >> Repair or replace the malfunctioning parts.	
10.REPLACE INTELLIGENT KEY	D
 Replace Intelligent Key. Confirm the operation after replacement. 	
Is the result normal?	Е
YES >> INSPECTION END	
NO >> Replace BCM. Refer to <u>BCS-99, "Removal and Installation"</u> .	F
	G
	Н
	J
	DLK
	L

DLK

M

Ν

0

Р

IGNITION POSITION WARNING FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

IGNITION POSITION WARNING FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408837

1. CHECK DTC WITH BCM

Check that DTC is not detected with BCM.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Refer to BCS-64, "DTC Index".

2. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 3.

NO >> Refer to <u>DLK-367</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

3. CHECK DOOR SWITCH

Check door switch

Refer to DLK-247, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK BACK DOOR SWITCH

Check door switch

Refer to DLK-249, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.REPLACE BCM

- Replace BCM. Refer to <u>BCS-99</u>, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE Α **Diagnosis Procedure** INFOID:0000000012408838 1. CHECK "DOOR LOCK-UNLOCK SET" SETTING IN "WORK SUPPORT" В Select "DOOR LOCK" of "BCM" using CONSULT. Select "DOOR LOCK-UNLOCK SET" in "WORK SUPPORT" mode. Check "DOOR LOCK-UNLOCK SET" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)". Is the inspection result normal? YES >> GO TO 2. D NO >> Set "On" in "DOOR LOCK-UNLOCK SET". 2.REPLACE BCM Е Replace BCM. Refer to BCS-99, "Removal and Installation". 2. Confirm the operation after replacement. Is the result normal? F >> INSPECTION END YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". NO Н J DLK M

DLK-377 Revision: October 2015 2016 Quest Ν

0

Р

AUTO DOOR LOCK OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

AUTO DOOR LOCK OPERATION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408839

1. CHECK "AUTO LOCK SET" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "AUTO LOCK SET" in "WORK SUPPORT" mode.
- Check "AUTO LOCK SET" setting in "WORK SUPPORT".
 Refer to <u>DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM INTELLIGENT KEY)"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "MODE 2", "MODE 3", "MODE 4", "MODE 5", "MODE 6" or "MODE 7" in "AUTO LOCK SET".

2.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

Is the inspection result normal?

>> GO TO 3.

Confirm the operation after replacement.

>> INSPECTION END

3.REPLACE BCM

Is the result normal?

YES

YES

NO

NO

VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPER-Α **ATE** Diagnosis Procedure INFOID:0000000012408840 В $1.\mathsf{check}$ "automatic lock/unlock select" setting in "work support" Select "DOOR LOCK" of "BCM" using CONSULT. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC LOCK/UNLOCK SELECT" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)". D Is the inspection result normal? YES >> GO TO 2. NO >> Set "Lock Only" or "Lock/Unlock" in "WORK SUPPORT". Е 2.check "automatic door lock select" setting in "work support" 1. Select "DOOR LOCK" of "BCM" using CONSULT. Select "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC DOOR LOCK SELECT" setting in "WORK SUPPORT".

Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)".

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

>> Set "VH SPD" in "AUTOMATIC DOOR LOCK SELECT".

Replace BCM. Refer to BCS-99, "Removal and Installation".

DLK

J

Н

. .

Ν

Р

0

Revision: October 2015 DLK-379 2016 Quest

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408841

$1.\mathsf{check}$ "automatic lock/unlock select" setting in "work support"

- Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode.
- 3. Check "AUTOMATIC LOCK/UNLOCK SELECT" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM DOOR LOCK)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "Unlock Only" or "Lock/Unlock" in "AUTOMATIC LOCK/UNLOCK SELECT".

$2.\mathsf{CHECK}$ "AUTOMATIC DOOR UNLOCK SELECT" SETTING IN "WORK SUPPORT"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT.
- Select "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT" mode.
- 3. Check "AUTOMATIC DOOR UNLOCK SELECT" setting in "WORK SUPPORT". Refer to <u>DLK-94</u>, "DOOR LOCK: CONSULT Function (BCM DOOR LOCK)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "MODE 1" or "MODE 3" in "AUTOMATIC DOOR UNLOCK SELECT".

3. REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

P RANGE INTERLOCK DOOR LOCK/UNLOCK FUNCTION DOES NOT OPER-ATE

< SYMPTOM DIAGNOSIS >

P RANGE INTERLOCK DOOR LOCK/UNLOCK FUNCTION DOES NOT OP-Α **ERATE** Diagnosis Procedure INFOID:0000000012408842 В $1.\mathsf{check}$ "automatic lock/unlock select" setting in "work support" Select "DOOR LOCK" of "BCM" using CONSULT. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC LOCK/UNLOCK SELECT" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)". D Is the inspection result normal? YES >> GO TO 2. NO >> Set "Unlock Only", "Lock Only" or "Lock/Unlock" in "AUTOMATIC LOCK/UNLOCK SELECT". Е 2.check "automatic door lock select" setting in "work support" Select "DOOR LOCK" of "BCM" using CONSULT. Select "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC DOOR LOCK SELECT" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)". Is the inspection result normal? YES >> GO TO 3. >> Set "P RANGE" in "AUTOMATIC DOOR LOCK SELECT". NO 3.check "automatic door unlock select" setting in "work support" Н Select "DOOR LOCK" of "BCM" using CONSULT. Select "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC DOOR UNLOCK SELECT" setting in "WORK SUPPORT". Refer to DLK-94, "DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)". Is the inspection result normal? YES >> GO TO 4. NO >> Set "MODE 2" or "MODE 4" in "AUTOMATIC DOOR UNLOCK SELECT". 4.REPLACE BCM DLK Replace BCM. Refer to BCS-99, "Removal and Installation". Confirm the operation after replacement. Is the result normal? YES >> INSPECTION END >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". NO Ν Р

HAZARD AND HORN REMINDER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

HAZARD AND HORN REMINDER DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408843

1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT"

- Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode.
- Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT".
 Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set the "Lock Only", "Unlock Only" or "Lock/Unlock" in "HAZARD ANSWER BACK".

2. CHECK "HORN WITH KEYLESS LOCK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "HORN WITH KEYLESS LOCK" in "WORK SUPPORT" mode.
- Check the "HORN WITH KEYLESS LOCK" in "WORK SUPPORT".
 Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set the "On" in "HORN WITH KEYLESS LOCK".

3.CHECK HAZARD FUNCTION

Check hazard function.

Refer to DLK-285, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

CHECK HORN FUNCTION

Check horn function.

Refer to SEC-125, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

HAZARD AND BUZZER REMINDER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

Diagnosis Procedure	INFOID:0000000012408844
1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT. Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode. Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT". Refer to <u>DLK-95, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)"</u>. 	
Is the inspection result normal?	
YES >> GO TO 2. NO >> Set the "Lock Only", "Unlock Only" or "Lock/Unlock" in "HAZARD ANSWER BACK" CHECK "ANS BACK LIKEY LOCK" SETTING IN "WORK SUPPORT"	,
2.CHECK "ANS BACK I-KEY LOCK" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT. Select "ANS BACK I-KEY LOCK" in "WORK SUPPORT" mode. Check the "ANS BACK I-KEY LOCK" setting in "WORK SUPPORT". Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)". 	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Set the "Horn Chirp" or "Buzzer" in "ANS BACK I-KEY LOCK".	
3.CHECK "ANS BACK I-KEY UNLOCK" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT. Select "ANS BACK I-KEY UNLOCK" in "WORK SUPPORT" mode. Check the "ANS BACK I-KEY UNLOCK" setting in "WORK SUPPORT". Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)". 	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Set the "On" in "ANS BACK I-KEY UNLOCK".	
4.CHECK HAZARD FUNCTION	
Check hazard function.	
Refer to DLK-285, "Component Function Check". Is the inspection result normal?	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	
5.CHECK INTELLIGENT KEY WARNING BUZZER	
Check Intelligent Key warning buzzer. Refer to DLK-279, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts.	
6.REPLACE BCM	
Replace BCM. Refer to BCS-99, "Removal and Installation".	
Confirm the operation after replacement.	
Is the result normal? YES >> INSPECTION END	

KEY REMINDER FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

KEY REMINDER FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408845

1. CHECK DTC WITH BCM

Check that DTC is not detected with BCM.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Refer to <u>BCS-64, "DTC Index"</u>.

2.check "anti key lock in functi" setting in "work support"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT.
- 2. Select "ANTI KEY LOCK IN FUNCTI" in "WORK SUPPORT" mode.
- Check "ANTI KEY LOCK IN FUNCTI" setting in "WORK SUPPORT".
 Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "On" in "ANTI KEY LOCK IN FUNCTI".

3.check door switch

Check door switch

Refer to DLK-247, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to <u>DLK-232</u>, "<u>DTC Logic</u>".
- Console: Refer to DLK-234, "DTC Logic".
- Luggage room: Refer to <u>DLK-236, "DTC Logic"</u>.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CHECK UNLOCK SENSOR

Check unlock sensor.

Refer to DLK-265, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

OFF POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

OFF POSITION WARNING DOES NOT OPERATE	-
Diagnosis Procedure	A 6
1. CHECK DTC WITH BCM AND COMBINATION METER	В
Check that DTC is not detected with BCM and combination meter.	-
Is the inspection result normal? YES >> GO TO 2.	С
NO-1 >> Refer to BCS-64, "DTC Index" (BCM). NO-2 >> Refer to MWI-49, "DTC Index" (combination meter).	
2. CHECK COMBINATION METER BUZZER	D
Check combination meter buzzer. Refer to DLK-282, "Component Function Check".	- Е
Is the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	F
3. CHECK INTELLIGENT KEY WARNING BUZZER	'
Check Intelligent Key warning buzzer. Refer to DLK-279, "Component Function Check".	G
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	Н
4.CHECK DOOR SWITCH	_
Check front door switch (driver side). Refer to DLK-247, "Component Function Check".	I
Is the inspection result normal?	
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	J
5.REPLACE BCM	
 Replace BCM. Refer to <u>BCS-99</u>, "<u>Removal and Installation</u>". Confirm the operation after replacement. 	DLK
Is the result normal?	
YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	L
The state of the s	N. A
	M
	N
	IN
	0
	<u> </u>
	Р

P POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

P POSITION WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408847

$1.\mathsf{CHECK}$ DTC WITH BCM, TCM AND COMBINATION METER

Check that DTC is not detected with BCM, TCM and combination meter.

Is the inspection result normal?

YES >> GO TO 2

NO-1 >> Refer to <u>BCS-64, "DTC Index"</u> (BCM).

NO-2 >> Refer to TM-59, "DTC Index" (TCM).

NO-3 >> Refer to MWI-49, "DTC Index" (Combination meter).

2.CHECK COMBINATION METER BUZZER

Check combination meter buzzer.

Refer to DLK-282, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-279, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK DOOR SWITCH

Check front door switch (driver side).

Refer to DLK-247, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to <u>DLK-232, "DTC Logic"</u>.
- Console: Refer to DLK-234, "DTC Logic".
- Luggage room: Refer to <u>DLK-236</u>, "<u>DTC Logic</u>".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.CHECK INFORMATION DISPLAY

Check information display.

Refer to DLK-283, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7.REPLACE BCM

- Replace BCM. Refer to <u>BCS-99</u>, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

ACC WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > **ACC WARNING DOES NOT OPERATE** Α Diagnosis Procedure INFOID:0000000012408848 1. CHECK P POSITION WARNING FUNCTION В Check P position warning function. Is the inspection result normal? C YES >> GO TO 2. NO >> Refer to <u>DLK-386</u>, "<u>Diagnosis Procedure</u>". 2.REPLACE BCM D 1. Replace BCM. Refer to BCS-99, "Removal and Installation". 2. Confirm the operation after replacement. Is the result normal? Е >> INSPECTION END YES NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". F Н J L

DLK

M

Ν

0

Р

TAKE AWAY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

TAKE AWAY WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408849

1. CHECK DTC WITH BCM AND COMBINATION METER

Check that DTC is not detected with BCM and combination meter.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Refer to BCS-64, "DTC Index" (BCM).

NO-2 >> Refer to MWI-49, "DTC Index" (Combination meter).

2. CHECK COMBINATION METER BUZZER

Check combination meter buzzer.

Refer to DLK-282, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK INFORMATION DISPLAY

Check information display.

Refer to DLK-283, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK DOOR SWITCH

Check front door switch (driver side).

Refer to DLK-247, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-279, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6. CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to DLK-232, "DTC Logic".
- Console: Refer to <u>DLK-234</u>, "<u>DTC Logic</u>".
- Luggage room: Refer to <u>DLK-236</u>, "<u>DTC Logic</u>".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7. REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

KEY ID WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

Diagnosis Procedure	INFOID:000000012408850
1. CHECK DTC WITH BCM AND COMBINATION METER	
Check that DTC is not detected with BCM and combination meter.	
s the inspection result normal?	
YES >> GO TO 2. NO-1 >> Refer to <u>BCS-64, "DTC Index"</u> (BCM).	
NO-2 >> Refer to MWI-49, "DTC Index" (Combination meter).	
2.CHECK INTELLIGENT KEY BATTERY	
Check Intelligent Key battery. Refer to DLK-281, "Component Function Check".	
s the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CHECK INSIDE KEY ANTENNA	
Check inside key antenna.	
Instrument center: Refer to <u>DLK-232, "DTC Logic"</u> . Console: Refer to <u>DLK-234, "DTC Logic"</u> .	
Luggage room: Refer to <u>DLK-236, "DTC Logic"</u> .	
s the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
1.CHECK INFORMATION DISPLAY	
Check information display.	
Refer to DLK-283, "Component Function Check". s the inspection result normal?	
YES >> G0 T0 5.	•
NO >> Repair or replace the malfunctioning parts.	
D.REPLACE BCM	
Replace BCM. Refer to <u>BCS-99, "Removal and Installation"</u>.Confirm the operation after replacement.	
s the result normal?	
YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	
The Great monache monache reserve of the state of the sta	

INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408851

$1.\mathsf{CHECK}$ DTC WITH BCM AND COMBINATION METER

Check that DTC is not detected with BCM and combination meter.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Refer to BCS-64, "DTC Index" (BCM).

NO-2 >> Refer to MWI-49, "DTC Index" (Combination meter).

$2.\mathsf{CHECK}$ "LO- BATT OF KEY FOB WARN" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM".
- 2. Select "LO- BATT OF KEY FOB WARN" in "WORK SUPPORT" mode.
- Check "LO- BATT OF KEY FOB WARN" setting in "WORK SUPPORT".
 Refer to <u>DLK-95</u>, "INTELLIGENT KEY: CONSULT Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "ON" in "LO- BATT OF KEY FOB WARN".

3.CHECK INTELLIGENT KEY BATTERY

Check Intelligent Key battery.

Refer to DLK-281, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK INFORMATION DISPLAY

Check information display.

Refer to DLK-283, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

${f 5.}$ CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to <u>DLK-232</u>, "<u>DTC Logic</u>".
- Console: Refer to <u>DLK-234</u>, "<u>DTC Logic</u>".
- Luggage room: Refer to <u>DLK-236, "DTC Logic"</u>.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.REPLACE BCM

- 1. Replace BCM. Refer to BCS-99, "Removal and Installation".
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

DOOR LOCK OPERATION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

DOOR LOCK OPERATION WARNING DOES NOT OPERATE Α Diagnosis Procedure INFOID:0000000012408852 1. CHECK DOOR LOCK FUNCTION В Check door lock function. Does door lock/unlock using door request switch? >> GO TO 2. YES >> Refer to DLK-371, "ALL DOOR REQUEST SWITCHES: Diagnosis Procedure". NO 2.CHECK INTELLIGENT KEY WARNING BUZZER D Check Intelligent Key warning buzzer. Refer to DLK-279, "Component Function Check". Is the inspection result normal? Е YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.REPLACE BCM F Replace BCM. Refer to BCS-99, "Removal and Installation". 2. Confirm the operation after replacement. Is the result normal? YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". Н J DLK

M

Ν

0

Р

BACK DOOR AUTO CLOSURE FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

BACK DOOR AUTO CLOSURE FUNCTION DOES NOT OPERATE OPEN/CLOSURE FUNCTION

OPEN/CLOSURE FUNCTION: Description

INFOID:0000000012408853

Back door auto closure does not operate when back door opening and closing operations are performed.

OPEN/CLOSURE FUNCTION: Diagnosis Procedure

INFOID:0000000012408854

1. CHECK DTC WITH BCM

Check that DTC is not detected with BCM.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Refer to BCS-64, "DTC Index".

2.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check back door control unit power supply and ground circuit.

Refer to DLK-244, "BACK DOOR CONTROL UNIT: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK BACK DOOR CLOSURE MOTOR

Check back door closure motor.

Refer to DLK-310, "WITHOUT AUTOMATIC BACK DOOR: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. REPLACE BACK DOOR CONTROL UNIT

- 1. Replace back door control unit.
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

OPEN FUNCTION

OPEN FUNCTION: Description

INFOID:0000000012408855

Back door auto closure does not operate when back door opening operation is performed.

OPEN FUNCTION : Diagnosis Procedure

INFOID:0000000012408856

1. CHECK BACK DOOR OPENER SWITCH

Check back door opener switch.

Refer to <u>DLK-277</u>, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK BACK DOOR OPEN REQUEST SIGNAL CIRCUIT

Check back door open request signal circuit.

Refer to DLK-286, "Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

Revision: October 2015 DLK-392 2016 Quest

BACK DOOR AUTO CLOSURE FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

TOTAL TOWN BINCHOOLS	_
3. REPLACE BACK DOOR CONTROL UNIT	Δ
 Replace back door control unit. Confirm the operation after replacement. 	
Is the result normal? YES >> INSPECTION END	В
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	
CLOSURE FUNCTION	С
CLOSURE FUNCTION: Description	57
Back door auto closure does not operate when back door closing operation is performed.	D
CLOSURE FUNCTION : Diagnosis Procedure	58
1.CHECK HALF LATCH SWITCH	Е
Check half latch switch. Refer to DLK-300, "WITHOUT AUTOMATIC BACK DOOR: Diagnosis Procedure".	
Is the inspection result normal?	F
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	G
2.CHECK OPEN SWITCH	_
Check open switch. Refer to DLK-295, "Diagnosis Procedure".	Н
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts. 3. CHECK CLOSE SWITCH	
Check close switch.	-
Refer to DLK-297, "Diagnosis Procedure".	J
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	DLK
4.REPLACE BACK DOOR CONTROL UNIT	
Replace back door control unit. Confirm the operation after replacement.	<u> </u>
Is the result normal?	M
YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	IVI
NO SE SHOOK INCOME. INCIDENCE TO SERVE INCIDENT.	
	Ν
	0
	Р

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE ALL SWITCHES

ALL SWITCHES: Description

INFOID:0000000012408859

Automatic back door open/close function does not operate using all switches.

NOTE:

Automatic back door open/close operation condition is extremely complicated, during operating confirmations, reconfirm the list above twice in order to ensure proper operation. Refer to <u>DLK-52</u>, "System <u>Description"</u>.

ALL SWITCHES: Diagnosis Procedure

INFOID:0000000012408860

1.check dtc with automatic back door control module

Check that DTC is not detected with automatic back door control module.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2. CHECK BACK DOOR AUTO CLOSURE FUNCTION

Check back door auto closure function.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to <u>DLK-397</u>, "OPEN/CLOSURE FUNCTION: Diagnosis Procedure".

3.CHECK GROUND CIRCUIT

Check automatic back door control module ground circuit.

Refer to DLK-314, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK TOUCH SENSOR LH

Check touch sensor LH.

Refer to DLK-305, "LH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CHECK TOUCH SENSOR RH

Check touch sensor RH.

Refer to DLK-307, "RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

- 1. Replace automatic back door control module.
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

AUTOMATIC BACK DOOR SWITCH

AUTOMATIC BACK DOOR SWITCH: Description

INFOID:0000000012408861

Automatic back door open/close function does not operate using automatic back door switch. **NOTE**:

Revision: October 2015 DLK-394 2016 Quest

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

INTELLIGENT KEY

Automatic back door open/close operation condition is extremely complicated, during operating confirmations, reconfirm the list above twice in order to ensure proper operation. Refer to DLK-52, "System Description". Α AUTOMATIC BACK DOOR SWITCH: Diagnosis Procedure INFOID:0000000012408862 CHECK AUTOMATIC BACK DOOR SWITCH В Check automatic back door switch. Refer to DLK-293, "Component Function Check". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. D 2.replace automatic back door control module Replace automatic back door control module. Confirm the operation after replacement. Е Is the result normal? YES >> INSPECTION END >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". AUTOMATIC BACK DOOR CLOSE SWITCH AUTOMATIC BACK DOOR CLOSE SWITCH: Description INFOID:0000000012408863 Automatic back door open/close function does not operate using automatic back door close switch. NOTE: Н Automatic back door open/close operation condition is extremely complicated, during operating confirmations, reconfirm the list above twice in order to ensure proper operation. Refer to DLK-52. "System Description". AUTOMATIC BACK DOOR CLOSE SWITCH: Diagnosis Procedure INFOID:0000000012408864 ${f 1}$. CONFIRM THE OPERATION Turn ON automatic door main switch. Confirm the operation. Is the result normal? YES >> Automatic back door system is normal. DLK NO >> GO TO 2. 2.CHECK AUTOMATIC BACK DOOR CLOSE SWITCH Check automatic back door close switch. Refer to DLK-287, "Component Function Check". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3 .CHECK AUTOMATIC DOOR MAIN SWITCH N Check automatic door main switch. Refer to DLK-289, "AUTOMATIC BACK DOOR CONTROL MODULE: Component Function Check". Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. $oldsymbol{4}.$ REPLACE AUTOMATIC BACK DOOR CONTROL MODULE Р Replace automatic back door control module. Confirm the operation after replacement. Is the result normal? >> INSPECTION END YES NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

Revision: October 2015 DLK-395 2016 Quest

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

INTELLIGENT KEY: Description

INFOID:0000000012408865

Automatic back door open/close function does not operate using Intelligent Key.

NOTE:

Automatic back door open/close operation condition is extremely complicated, during operating confirmations, reconfirm the list above twice in order to ensure proper operation. Refer to DLK-52, "System Description".

INTELLIGENT KEY: Diagnosis Procedure

${\sf 1.}$ CHECK DTC WITH BCM AND AUTOMATIC BACK DOOR CONTROL MODULE

Check that DTC is not detected with BCM, TCM and combination meter.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Refer to <u>BCS-64, "DTC_Index"</u> (BCM).
NO-2 >> Refer to <u>DLK-109, "DTC_Index"</u> (automatic back door control module).

2.CHECK REMOTE KEYLESS ENTRY FUNCTION

Check remote keyless entry function.

Does door lock/unlock with Intelligent Key button?

YES >> GO TO 3.

NO >> Refer to <u>DLK-374</u>, "Diagnosis Procedure".

$3.\mathsf{REPLACE}$ AUTOMATIC BACK DOOR CONTROL MODULE

- Replace automatic back door control module.
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident". NO

BACK DOOR OPENER SWITCH

BACK DOOR OPENER SWITCH: Description

INFOID:0000000012408867

Automatic back door open/close function does not operate using back door opener switch.

NOTE:

Automatic back door open/close operation condition is extremely complicated, during operating confirmations, reconfirm the list above twice in order to ensure proper operation. Refer to DLK-52, "System Description".

BACK DOOR OPENER SWITCH: Diagnosis Procedure

INFOID:0000000012408868

1.CONFIRM THE OPERATION

- Turn ON automatic door main switch.
- 2. Confirm the operation.

Is the result normal?

YES >> Automatic door system is normal.

NO >> GO TO 2.

2.check back door opener switch

Check back door opener switch.

Refer to DLK-277, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK AUTOMATIC DOOR MAIN SWITCH

Check automatic door main switch.

Refer to DLK-289, "AUTOMATIC BACK DOOR CONTROL MODULE: Component Function Check".

Is the inspection result normal?

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. Α $oldsymbol{4}.$ REPLACE AUTOMATIC BACK DOOR CONTROL MODULE Replace automatic back door control module. В Confirm the operation after replacement. 2. Is the result normal? YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". OPEN/CLOSURE FUNCTION OPEN/CLOSURE FUNCTION: Description D INFOID:0000000012408869 Back door auto closure function does not operate when back door opening and closing operations are performed. Е OPEN/CLOSURE FUNCTION: Diagnosis Procedure INFOID:0000000012408870 1. CHECK DTC WITH AUTOMATIC BACK DOOR CONTROL MODULE Check that DTC is not detected with automatic back door control module. Is the inspection result normal? YES >> GO TO 2. NO >> Perform trouble diagnosis relevant to DTC indicated. 2.CHECK POWER SUPPLY AND GROUND CIRCUIT Н Check automatic back door control module power supply and ground circuit. Refer to DLK-244, "AUTOMATIC BACK DOOR CONTROL MODULE: Diagnosis Procedure". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.CHECK BACK DOOR CLOSURE MOTOR Check back door closure motor. Refer to DLK-310, "WITH AUTOMATIC BACK DOOR: Diagnosis Procedure". DLK Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. $oldsymbol{4}.$ REPLACE AUTOMATIC BACK DOOR CONTROL MODULE Replace automatic back door control module. Confirm the operation after replacement. Is the result normal? YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". N OPEN FUNCTION OPEN FUNCTION: Description INFOID:0000000012408871 Back door auto closure function does not operate when back door opening operations are performed. OPEN FUNCTION : Diagnosis Procedure INFOID:0000000012408872 1. CHECK BACK DOOR OPENER SWITCH Check back door opener switch. Refer to DLK-277, "Component Function Check". Is the inspection result normal? YES >> GO TO 2.

Revision: October 2015 DLK-397 2016 Quest

AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

NO >> Repair or replace the malfunctioning parts.

2.REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

- 1. Replace automatic back door control module.
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

CLOSURE FUNCTION

CLOSURE FUNCTION: Description

INFOID:0000000012408873

Back door auto closure function does not operate when back door closing operations are performed.

CLOSURE FUNCTION : Diagnosis Procedure

INFOID:0000000012408874

1. CHECK HALF LATCH SWITCH

Check half latch switch.

Refer to DLK-299, "WITH AUTOMATIC BACK DOOR: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

- 1. Replace automatic back door control module.
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

Revision: October 2015 DLK-398 2016 Quest

AUTOMATIC BACK DOOR WARNING DOES NOT OPERATE < SYMPTOM DIAGNOSIS > AUTOMATIC BACK DOOR WARNING DOES NOT OPERATE Α BUZZER **BUZZER**: Description INFOID:0000000012408875 В Automatic back door warning buzzer does not operate when automatic back door warning function are performed. BUZZER : Diagnosis Procedure INFOID:0000000012408876 1. CHECK DTC WITCH AUTOMATIC BACK DOOR CONTROL MODULE D Check that DTC is not detected with automatic back door control module. Is the inspection result normal? YES >> GO TO 2. Е NO >> Perform trouble diagnosis relevant to DTC indicated. 2.CHECK AUTOMATIC BACK DOOR WARNING BUZZER Check automatic back door warning buzzer. Refer to DLK-312, "Diagnosis Procedure". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.replace automatic back door control module Replace automatic back door control module. Confirm the operation after replacement. Is the result normal? >> INSPECTION END YES NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". HAZARD WARNING LAMP HAZARD WARNING LAMP: Description INFOID:0000000012408877 DLK Hazard warning lamp does not operate when automatic back door warning function are performed. HAZARD WARNING LAMP: Diagnosis Procedure INFOID:0000000012408878 L ${\sf 1}.$ CHECK DTC WITH BCM AND AUTOMATIC BACK DOOR CONTROL MODULE Check that DTC is not detected with BCM, TCM and combination meter. Is the inspection result normal? >> GO TO 2. NO-1 >> Refer to BCS-64, "DTC Index" (BCM). NO-2 >> Refer to DLK-109, "DTC Index" (automatic back door control module). N 2.CHECK GROUND CIRCUIT Check automatic back door control module ground circuit. Refer to <u>DLK-314</u>, "Component Function Check". Is the inspection result normal? YES >> GO TO 3. Р NO >> Repair or replace the malfunctioning parts 3.CHECK HAZARD AND HORN REMINDER FUNCTION Check hazard and horn reminder function.

Revision: October 2015 DLK-399 2016 Quest

Is the inspection result normal?

>> GO TO 4.

>> Refer to <u>DLK-382</u>, "<u>Diagnosis Procedure</u>".

YES

NO

AUTOMATIC BACK DOOR WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

4. REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

- 1. Replace automatic back door control module.
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

AUTOMATIC BACK DOOR FUNCTIONS DO NOT CANCEL

< SYMPTOM DIAGNOSIS >

AUTOMATIC BACK DOOR FUNCTIONS DO NOT CANCEL Α Diagnosis Procedure INFOID:0000000012408879 1. CHECK THE OPERATION В Check automatic door main switch function. When the main switch is OFF, the automatic back door operation is not available by back door opener switch and automatic back door close switch. Is the inspection result normal? YES >> Automatic back door system is normal. D NO >> GO TO 2. 2.check automatic door main switch Е Check automatic door main switch. Refer to DLK-289, "AUTOMATIC BACK DOOR CONTROL MODULE: Component Function Check". Is the inspection result normal? F YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.REPLACE AUTOMATIC BACK DOOR CONTROL MODULE Replace automatic back door control module. Confirm the operation after replacement. Is the result normal? Н YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

DLK

J

Ν

0

Р

AUTOMATIC BACK DOOR ANTI-PINCH FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

AUTOMATIC BACK DOOR ANTI-PINCH FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000012408880

1. CHECK TOUCH SENSOR LH

Check touch sensor LH.

Refer to DLK-305, "LH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK TOUCH SENSOR RH

Check touch sensor RH.

Refer to DLK-307, "RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE AUTOMATIC BACK DOOR CONTROL MODULE

- 1. Replace automatic back door control module.
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > INTEGRATED HOMELINK TRANSMITTER DOES NOT OPE	 ERATE
Diagnosis Procedure	INFOID:00000001240888
1. CHECK INTEGRATED HOMELINK TRANSMITTER	
Check integrated homelink transmitter. Refer to DLK-315, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.REPLACE AUTO ANTI-DAZZLING INSIDE MIRROR Replace auto anti-dazzling inside mirror.	_
Refer to MIR-32, "Removal and Installation".	
Is the result normal? YES >> INSPECTION END	
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	

DLK-403 Revision: October 2015 2016 Quest

< SYMPTOM DIAGNOSIS >

AUTOMATIC SLIDING DOOR SYSTEM DOES NOT OPERATE

ALL FUNCTIONS

ALL FUNCTIONS: Description

INFOID:0000000012408882

Automatic sliding door system all functions does not operate.

ALL FUNCTIONS: Diagnosis Procedure

INFOID:0000000012408883

1. CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check sliding door control unit power supply and ground circuit.

Refer to DLK-245, "SLIDING DOOR CONTROL UNIT: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.REPLACE SLIDING DOOR CONTROL UNIT

- Replace sliding door control unit. Refer to <u>DLK-499, "RH : Removal and Installation"</u> (RH) or <u>DLK-499, "LH : Removal and Installation"</u> (LH).
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

ONE-TOUCH UNLOCK FUNCTION

ONE-TOUCH UNLOCK FUNCTION: Description

INFOID:0000000012408884

Automatic sliding door system one-touch unlock function does not operate.

ONE-TOUCH UNLOCK FUNCTION: Diagnosis Procedure

INFOID:0000000012408885

1. CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK REMOTE KEYLESS ENTRY FUNCTION

Check remote keyless entry function.

Does door lock/unlock with Intelligent Key button?

YES >> GO TO 3.

NO >> Refer to <u>DLK-374</u>, "<u>Diagnosis Procedure</u>".

3.CHECK AUTO OPEN/CLOSE FUNCTION

Check automatic sliding door system auto open/close function.

Does sliding door auto open/close with switches?

YES >> GO TO 4.

NO >> Refer to DLK-411, "ALL SWITCHES: Diagnosis Procedure".

f 4.CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

Check sliding door one-touch open/close switch.

< SYMPTOM DIAGNOSIS >
 Sliding door LH: Refer to <u>DLK-346</u>, "<u>SLIDING DOOR LH</u>: <u>Component Function Check"</u>. Sliding door RH: Refer to <u>DLK-348</u>, "<u>SLIDING DOOR RH</u>: <u>Component Function Check"</u>.
Is the inspection result normal?
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.
5. CHECK SLIDING DOOR LOCK STATUS SWITCH
Check sliding door lock status switch
 Sliding door LH: Refer to <u>DLK-336</u>, "<u>SLIDING DOOR LH</u>: <u>Component Function Check</u>". Sliding door RH: Refer to <u>DLK-338</u>, "<u>SLIDING DOOR RH</u>: <u>Component Function Check</u>".
Is the inspection result normal?
YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts.
6.REPLACE SLIDING DOOR CONTROL UNIT
1. Replace sliding door control unit. Refer to <u>DLK-499</u> , "RH: Removal and Installation" (RH) or <u>DLK-499</u> , "LH: Removal and Installation" (LH).
2. Confirm the operation after replacement.
<u>Is the result normal?</u> YES >> INSPECTION END
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". POWER ASSIST FUNCTION
FOWER ASSIST FUNCTION
POWER ASSIST FUNCTION: Description
Automatic sliding door system power assist function does not operate.
POWER ASSIST FUNCTION : Diagnosis Procedure
1. CHECK DTC WITH SLIDING DOOR CONTROL UNIT
Check that DTC is not detected with sliding door control unit.
Is the inspection result normal?
YES >> GO TO 2. NO >> Perform trouble diagnosis relevant to DTC indicated.
2. CHECK AUTO OPEN/CLOSE FUNCTION
Check automatic sliding door system auto open/close function. Does sliding door auto open/close with switches?
YES >> GO TO 3.
NO >> Refer to DLK-411, "ALL SWITCHES : Diagnosis Procedure".
3. REPLACE SLIDING DOOR CONTROL UNIT
 Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH : Removal and Installation" (RH) or <u>DLK-499</u>, "<u>LH : Removal and Installation"</u> (LH). Confirm the operation after replacement.
Is the result normal?
YES >> INSPECTION END
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". UNLOCK-LINKED OPENING FUNCTION
UNLOCK-LINKED OPENING FUNCTION: Description
UNLOCK-LINKED OF ENTING FONCTION. Description
·
Automatic sliding door unlock-linked opening function does not operate.
·

< SYMPTOM DIAGNOSIS >

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK ONE-TOUCH UNLOCK FUNCTION

Check automatic sliding door one-touch unlock function.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to <u>DLK-404</u>, "<u>ONE-TOUCH UNLOCK FUNCTION</u>: <u>Diagnosis Procedure</u>".

3.replace sliding door control unit

- Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH : Removal and Installation" (RH) or <u>DLK-499</u>, "LH : Removal and Installation" (LH).
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

HOLD FUNCTION

HOLD FUNCTION: Description

INFOID:0000000012408890

Automatic sliding door system hold function does not operate.

HOLD FUNCTION: Diagnosis Procedure

INFOID:0000000012408891

${f 1}.$ CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK SLIDING DOOR HANDLE SWITCH

Check sliding door handle switch.

- Sliding door LH: Refer to DLK-332, "SLIDING DOOR LH: Component Function Check".
- Sliding door RH: Refer to DLK-334, "SLIDING DOOR RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK CLUTCH

Check clutch.

- Sliding door LH: Refer to DLK-354, "SLIDING DOOR LH: Component Function Check".
- Sliding door RH: Refer to DLK-355, "SLIDING DOOR RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

CHECK FULL LATCH SWITCH

Check full latch switch.

- Sliding door LH: Refer to <u>DLK-324</u>, "SLIDING DOOR LH: Component Function Check".
- Sliding door RH: Refer to DLK-326, "SLIDING DOOR RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CHECK HALF LATCH SWITCH

< SYMPTOM DIAGNOSIS > Check half latch switch. Refer to DLK-302, "SLIDING DOOR CONTROL UNIT: Component Function Check". Α Is the inspection result normal? YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts. В 6. REPLACE SLIDING DOOR CONTROL UNIT Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH). Confirm the operation after replacement. Is the result normal? D YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". ANTI-PINCH FUNCTION Е ANTI-PINCH FUNCTION: Description INFOID:0000000012408892 Automatic sliding door system anti-pinch function does not operate. ANTI-PINCH FUNCTION: Diagnosis Procedure INFOID:0000000012408893 ${f 1}$.CHECK DTC WITH SLIDING DOOR CONTROL UNIT Check that DTC is not detected with sliding door control unit. Is the inspection result normal? Н YES >> GO TO 2. NO >> Perform trouble diagnosis relevant to DTC indicated. 2.CHECK SLIDING DOOR TOUCH SENSOR Check sliding door touch sensor. Sliding door LH: Refer to <u>DLK-350</u>, "SLIDING DOOR LH: Component Function Check". • Sliding door RH: Refer to DLK-352, "SLIDING DOOR RH: Component Function Check" Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. DLK 3.CHECK ENCODER Check encoder. Sliding door LH: Refer to DLK-317, "SLIDING DOOR LH: Component Function Check". Sliding door RH: Refer to <u>DLK-318</u>, "SLIDING DOOR RH: Component Function Check". Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. 4.CHECK FULL LATCH SWITCH N Check full latch switch. Sliding door LH: Refer to <u>DLK-324</u>, "SLIDING DOOR LH: Component Function Check". • Sliding door RH: Refer to DLK-326, "SLIDING DOOR RH: Component Function Check" Is the inspection result normal? YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts. Р 5. CHECK SLIDING DOOR LOCK STATUS SWITCH Check sliding door lock status switch. Sliding door LH: Refer to <u>DLK-336</u>, "SLIDING DOOR LH: Component Function Check". • Sliding door RH: Refer to DLK-338, "SLIDING DOOR RH: Component Function Check" Is the inspection result normal?

Revision: October 2015 DLK-407 2016 Quest

YES

>> GO TO 6.

< SYMPTOM DIAGNOSIS >

>> Repair or replace the malfunctioning parts.

6.CHECK SLIDING DOOR SWITCH

Check sliding door switch.

- Sliding door LH: Refer to <u>DLK-321</u>, "<u>SLIDING DOOR LH</u>: <u>Component Function Check</u>".
 Sliding door RH: Refer to <u>DLK-322</u>, "<u>SLIDING DOOR RH</u>: <u>Component Function Check</u>".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7.REPLACE SLIDING DOOR CONTROL UNIT

- Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH).
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

INTERMITTENT CLUTCH FUNCTION

INTERMITTENT CLUTCH FUNCTION: Description

INFOID:0000000012408894

Automatic sliding door system intermittent clutch function does not operate.

INTERMITTENT CLUTCH FUNCTION: Diagnosis Procedure

INFOID:0000000012408895

${f 1}.$ CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK CLUTCH

Check clutch.

- Sliding door LH: Refer to <u>DLK-354</u>, "SLIDING DOOR LH: Component Function Check".
- Sliding door RH: Refer to DLK-355, "SLIDING DOOR RH: Component Function Check"

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.replace sliding door control unit

- Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH: Removal and Installation" (RH) or <u>DLK-499</u>, "LH: Removal and Installation" (LH).
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

HAZARD AND BUZZER REMINDER FUNCTION

HAZARD AND BUZZER REMINDER FUNCTION: Description

INFOID:0000000012408896

Automatic sliding door system hazard and buzzer reminder function does not operate.

HAZARD AND BUZZER REMINDER FUNCTION: Diagnosis Procedure INFOID:000000001240889

${f 1}$.CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

DLK-408 Revision: October 2015 2016 Quest

< SYMPTOM DIAGNOSIS >	
YES >> GO TO 2. NO >> Perform trouble diagnosis relevant to DTC indicated.	
2.CHECK AUTOMATIC SLIDING DOOR WARNING BUZZER	
Check automatic sliding door warning buzzer.	
 Sliding door LH: Refer to <u>DLK-364, "SLIDING DOOR LH: Diagnosis Procedure"</u>. Sliding door RH: Refer to <u>DLK-365, "SLIDING DOOR RH: Diagnosis Procedure"</u>. 	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Repair or rereplace the malfunctioning parts. 3.REPLACE SLIDING DOOR CONTROL UNIT	
1. Replace sliding door control unit. Refer to <u>DLK-499</u> , "RH : Removal and Installation" (RH) or <u>DLK-499</u> , "LH : Removal and Installation" (LH).	
2. Confirm the operation after replacement.	
Is the result normal? YES >> INSPECTION END	
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	
SLIDING DOOR AUTO CLOSURE FUNCTION	
SLIDING DOOR AUTO CLOSURE FUNCTION : Description INFOID:000000012408898	
Automatic sliding door system sliding door auto closure function does not operate.	
SLIDING DOOR AUTO CLOSURE FUNCTION : Diagnosis Procedure INFOID:000000012408899	
1. CHECK DTC WITH SLIDING DOOR CONTROL UNIT	
Check that DTC is not detected with sliding door control unit. <u>Is the inspection result normal?</u>	
YES >> GO TO 2.	
NO >> Perform trouble diagnosis relevant to DTC indicated.	
2.CHECK SLIDING DOOR HANDLE SWITCH	
 Check sliding door handle switch. Sliding door LH: Refer to <u>DLK-332</u>, "<u>SLIDING DOOR LH</u>: Component Function Check". 	D
 Sliding door RH: Refer to <u>DLK-334</u>, "SLIDING DOOR RH: Component Function Check". 	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3.check full latch switch	
Check full latch switch.	
• Sliding door LH: Refer to DLK-324, "SLIDING DOOR LH: Component Function Check".	
• Sliding door RH: Refer to <u>DLK-326, "SLIDING DOOR RH : Component Function Check"</u> . <u>Is the inspection result normal?</u>	
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	
4.CHECK NEUTRAL SWITCH	
Check neutral switch. • Sliding door LH: Refer to <u>DLK-328</u> , " <u>SLIDING DOOR LH</u> : Component Function Check".	
 Sliding door RH: Refer to <u>DLK-330</u>, "<u>SLIDING DOOR RH</u>: Component Function Check". 	
Is the inspection result normal?	
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	
5. CHECK HALF LATCH SWITCH	
Check half latch switch.	

Revision: October 2015 DLK-409 2016 Quest

< SYMPTOM DIAGNOSIS >

Refer to DLK-302, "SLIDING DOOR CONTROL UNIT: Component Function Check".

Is the inspection result normal?

YES >> GO TO 6

NO >> Repair or replace the malfunctioning parts.

6. CHECK SLIDING DOOR CLOSURE MOTOR

Check sliding door closure motor.

- Sliding door LH: Refer to DLK-362, "SLIDING DOOR LH: Diagnosis Procedure".
- Sliding door RH: Refer to DLK-362, "SLIDING DOOR RH: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7.REPLACE SLIDING DOOR CONTROL UNIT

- 1. Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH: Removal and Installation" (RH) or <u>DLK-499</u>, "LH: Removal and Installation" (LH).
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES	S NOT OP-
ERATE	
ALL SWITCHES	
ALL SWITCHES: Description	INFOID:0000000012408900
Automatic sliding door system auto open/close function does not operate using all switches.	
ALL SWITCHES : Diagnosis Procedure	INFOID:0000000012408901
1. CHECK AUTOMATIC DOOR MAIN SWITCH POSITION	
Check automatic door main switch is in the ON position.	
s the inspection result normal?	
YES >> GO TO 2	
NO >> Press automatic door main switch to ON position.	
2.CHECK DTC WITH SLIDING DOOR MAIN SWITCH	
Check that DTC is not detected with sliding door control unit.	
s the inspection result normal?	
YES >> GO TO 3. NO >> Perform trouble diagnosis relevant to DTC indicated.	
3.CHECK AUTOMATIC DOOR MAIN SWITCH	
Check automatic door main switch.	
Refer to DLK-290, "SLIDING DOOR CONTROL UNIT: Component Function Check". s the inspection result normal?	
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	
1.CHECK FUEL FILLER LID STATUS SWITCH	
Check fuel filler lid status switch.	
Refer to <u>DLK-340, "Component Function Check"</u> . s the inspection result normal?	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	-
CHECK POWER SUPPLY AND GROUND CIRCUIT	
Check sliding door control unit power supply and ground circuit. Refer to DLK-245, "SLIDING DOOR CONTROL UNIT: Diagnosis Procedure".	
s the inspection result normal?	
YES >> GO TO 6.	
NO >> Repair or replace the malfunctioning parts.	
CHECK SLIDING DOOR LOCK RELEASE ACTUATOR	
Check sliding door lock release actuator.	
Sliding door LH: Refer to <u>DLK-359, "SLIDING DOOR LH: Diagnosis Procedure".</u> Sliding door RH: Refer to <u>DLK-360, "SLIDING DOOR RH: Diagnosis Procedure"</u> .	
s the inspection result normal?	
YES >> GO TO 7.	
NO >> Repair or replace the malfunctioning parts.	
CHECK CLUTCH	

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES NOT OPERATE

<u>Is the inspection result normal?</u>

Sliding door LH: Refer to <u>DLK-354</u>, "SLIDING DOOR LH: Component Function Check".
Sliding door RH: Refer to <u>DLK-355</u>, "SLIDING DOOR RH: Component Function Check".

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

YES >> GO TO 8.

NO >> Repair or replace the malfunctioning parts.

f 8 .CHECK AUTOMATIC SLIDING DOOR MOTOR

Check automatic sliding door motor.

- Sliding door LH: Refer to <u>DLK-357</u>, "<u>SLIDING DOOR LH</u>: <u>Diagnosis Procedure</u>".
 Sliding door RH: Refer to .<u>DLK-357</u>, "<u>SLIDING DOOR RH</u>: <u>Diagnosis Procedure</u>"

Is the inspection result normal?

YES >> GO TO 9.

NO >> Repair or replace the malfunctioning parts.

9. CHECK HALF LATCH SWITCH

Check half latch switch.

Refer to DLK-302, "SLIDING DOOR CONTROL UNIT: Component Function Check".

Is the inspection result normal?

YFS >> GO TO 10.

NO >> Repair or replace the malfunctioning parts.

10. CHECK FULL LATCH SWITCH

Check full latch switch.

- Sliding door LH: Refer to <u>DLK-324, "SLIDING DOOR LH: Component Function Check"</u>.
- Sliding door RH: Refer to <u>DLK-326</u>, "SLIDING DOOR RH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 11.

NO >> Repair or replace the malfunctioning parts.

11. CHECK SLIDING DOOR SWITCH

Check sliding door switch.

- Sliding door LH: Refer to <u>DLK-321</u>, "SLIDING DOOR LH: Component Function Check".
- Sliding door RH: Refer to DLK-322, "SLIDING DOOR RH: Component Function Check"

Is the inspection result normal?

YES >> GO TO 12.

NO >> Repair or replace the malfunctioning parts.

12. REPLACE SLIDING DOOR CONTROL UNIT

- Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH).
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident". NO

OUTSIDE HANDLE

OUTSIDE HANDLE: Description

Automatic sliding door system auto open/close function does not operate using sliding door outside handle.

INFOID:0000000012408902

INFOID:0000000012408903

OUTSIDE HANDLE: Diagnosis Procedure

CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

<u>Is the inspection result normal?</u>

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK AUTO OPEN/CLOSE FUNCTION

Check automatic sliding door system auto open/close function.

DLK-412 Revision: October 2015 2016 Quest

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES NOT OPERATE < SYMPTOM DIAGNOSIS > Does sliding door auto open/close with switches? Α YES >> GO TO 3. NO >> Refer to DLK-411, "ALL SWITCHES: Diagnosis Procedure". 3.check sliding door handle switch Check sliding door handle switch. Sliding door LH: Refer to <u>DLK-332</u>, "SLIDING DOOR LH: Component Function Check". Sliding door RH: Refer to <u>DLK-334</u>, "SLIDING DOOR RH: Component Function Check" Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. D 4.REPLACE SLIDING DOOR CONTROL UNIT Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH). Е Confirm the operation after replacement. Is the result normal? >> INSPECTION END YES NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". INSIDE HANDLE **INSIDE HANDLE**: Description INFOID:0000000012408904 Automatic sliding door system auto open/close function does not operate using sliding door inside handle. Н INSIDE HANDLE: Diagnosis Procedure INFOID:0000000012408905 1. CHECK CHILD LOCK STATUS Check child lock is unlock. Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CHECK DTC WITH SLIDING DOOR CONTROL UNIT DLK Check that DTC is not detected with sliding door control unit. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Perform trouble diagnosis relevant to DTC indicated. 3.check auto open/close function Check automatic sliding door system auto open/close function. Does sliding door auto open/close with switches? YES >> GO TO 4. N NO >> Refer to DLK-411, "ALL SWITCHES: Diagnosis Procedure". 4.REPLACE SLIDING DOOR CONTROL UNIT Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH).

INTELLIGENT KEY: Description

>> INSPECTION END

INFOID:0000000012408906

Р

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

INTELLIGENT KEY

Is the result normal?

YFS

INTELLIGENT INCT . Description

Confirm the operation after replacement.

Automatic sliding door system auto open/close function does not operate using Intelligent Key.

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

INTELLIGENT KEY: Diagnosis Procedure

INFOID:0000000012408903

CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2.CHECK REMOTE KEYLESS ENTRY FUNCTION

Check remote keyless entry function.

Does door lock/unlock with Intelligent Key button?

YES >> GO TO 3.

NO >> Refer to <u>DLK-374</u>, "<u>Diagnosis Procedure</u>".

3.CHECK AUTO OPEN/CLOSE FUNCTION

Check automatic sliding door system auto open/close function.

Does sliding door auto open/close with sliding door outside handle?

YFS >> GO TO 4

NO >> Refer to DLK-412, "OUTSIDE HANDLE: Diagnosis Procedure".

f 4.REPLACE SLIDING DOOR CONTROL UNIT

- Replace sliding door control unit. Refer to DLK-499, "RH: Removal and Installation" (RH) or DLK-499, "LH: Removal and Installation" (LH).
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

>> Check intermittent incident. Refer to GI-41, "Intermittent Incident". NO

SLIDING DOOR OPEN/CLOSE SWITCH

SLIDING DOOR OPEN/CLOSE SWITCH: Description

INFOID:0000000012408908

Automatic sliding door system auto open/close function does not operate using sliding door open/close switch.

SLIDING DOOR OPEN/CLOSE SWITCH: Diagnosis Procedure

CHECK DTC WITH SLIDING DOOR CONTROL UNIT

Check that DTC is not detected with sliding door control unit.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform trouble diagnosis relevant to DTC indicated.

2 . CHECK AUTO OPEN/CLOSE FUNCTION

Check automatic sliding door system auto open/close function.

Does sliding door auto open/close with switches?

YES >> GO TO 3.

NO >> Refer to DLK-411, "ALL SWITCHES: Diagnosis Procedure".

3.check sliding door open/close switch

Check sliding door open/close switch.

- Front LH: Refer to <u>DLK-342</u>, "<u>FRONT LH</u>: <u>Component Function Check</u>".
 Front RH: Refer to <u>DLK-343</u>, "<u>FRONT RH</u>: <u>Component Function Check</u>".

Is the inspection result normal?

YES >> GO TO 4.

>> Repair or replace the malfunctioning parts. NO

f 4 . REPLACE SLIDING DOOR CONTROL UNIT

AUTOMATIC SLIDING DOOR OPEN/CLOSE FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >	
 Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH : Removal and Installation" (RH) or <u>DLK-499</u>, "<u>LH : Removal and Installation</u>" (LH). Confirm the operation after replacement. Is the result normal?	А
YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident". SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH	В
SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH: Description INFOID:000000012408910	С
Automatic sliding door system auto open/close function does not operate using sliding door one-touch open close switch.	D
SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH : Diagnosis Procedure	E
1. CHECK DTC WITH SLIDING DOOR CONTROL UNIT	
Check that DTC is not detected with sliding door control unit. Is the inspection result normal?	F
YES >> GO TO 2. NO >> Perform trouble diagnosis relevant to DTC indicated. 2.CHECK AUTO OPEN/CLOSE FUNCTION	G
Check automatic sliding door system auto open/close function. Does sliding door auto open/close with switches?	Н
YES >> GO TO 3. NO >> Refer to DLK-394, "ALL SWITCHES : Diagnosis Procedure".	
3.CHECK SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH	
 Check sliding door one-touch open/close switch. Sliding door LH: Refer to <u>DLK-346, "SLIDING DOOR LH: Component Function Check"</u>. Sliding door RH: Refer to <u>DLK-348, "SLIDING DOOR RH: Component Function Check"</u>. 	J
Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	DLK
4.REPLACE SLIDING DOOR CONTROL UNIT	
 Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH : Removal and Installation" (RH) or <u>DLK-499</u>, "<u>LH : Removal and Installation</u>" (LH). Confirm the operation after replacement. 	L
Is the result normal? YES >> INSPECTION END	M
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".	Ν
	0
	Р

AUTOMATIC SLIDING DOOR FUNCTIONS DO NOT CANCEL

< SYMPTOM DIAGNOSIS >

AUTOMATIC SLIDING DOOR FUNCTIONS DO NOT CANCEL

Diagnosis Procedure

INFOID:0000000012408912

1. CHECK AUTOMATIC DOOR MAIN SWITCH

Check automatic door main switch.

Refer to DLK-290, "SLIDING DOOR CONTROL UNIT: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.REPLACE SLIDING DOOR CONTROL UNIT

- Replace sliding door control unit. Refer to <u>DLK-499</u>, "RH : <u>Removal and Installation</u>" (RH) or <u>DLK-499</u>, "LH : <u>Removal and Installation</u>" (LH).
- 2. Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

Customer Interview

Duplicate the Noise and Test Drive.

Check Related Service Bulletins.

Locate the Noise and Identify the Root Cause.

Repair the Cause.

NG Confirm Repair.

CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of customer's comments; refer to DLK-421, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics
 are provided so the customer, service adviser and technician are all speaking the same language when
 defining the noise.
- Squeak (Like tennis shoes on a clean floor)
 Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces
 higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak (Like walking on an old wooden floor)
 Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle (Like shaking a baby rattle)
 Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing
- Knock (Like a knock on a door)
 Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick (Like a clock second hand)
 Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump (Heavy, muffled knock noise)
 Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz (Like a bumblebee)
 Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that a technician may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

clip or fastener/incorrect clearance.

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when the repair is reconfirmed.

DLK

Α

_

M

Ν

0

Р

< SYMPTOM DIAGNOSIS >

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
- 2) Tap or push/pull around the area where the noise appears to be coming from.
- 3) Rev the engine.
- 4) Use a floor jack to recreate vehicle "twist".
- 5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
- 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, Engine ear and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the components in the area that is are suspected to be the cause of the noise.
 Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
 Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
- Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that are suspected to be the cause of the noise.
- Looking for loose components and contact marks.
 Refer to <u>DLK-419</u>, "Inspection Procedure".

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
- Separate components by repositioning or loosening and retightening the component, if possible.
- Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A Nissan Squeak and Rattle Kit (J-50397) is available through the authorized Nissan Parts Department.

CAUTION:

Never use excessive force as many components are constructed of plastic and may be damaged. NOTE:

Always check with the Parts Department for the latest parts information.

The following materials are contained in the Nissan Squeak and Rattle Kit (J-50397) are listed on the inside cover of the kit; and can each be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100 \times 135 mm (3.94 \times 5.31 in)/76884-71L01: 60 \times 85 mm (2.36 \times 3.35 in)/76884-

71L02:15 \times 25 mm (0.59 \times 0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50×50 mm (1.97 \times 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50×50 mm (1.97 \times 1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 \times 50 mm (1.18 \times 1.97 in)

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: $15 \times 25 \text{ mm}$ (0.59 \times 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll

The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE

< SYMPTOM DIAGNOSIS >

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used in place of UHMW tape that is be visible or does not fit. Will only last a few months.

SILICONE SPRAY

Used when grease cannot be applied.

DUCT TAPE

Used to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Inspection Procedure

Refer to Table of Contents for specific component removal and installation information.

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- 1. The cluster lid A and instrument panel
- Acrylic lens and combination meter housing
- Instrument panel to front pillar garnish
- 4. Instrument panel to windshield
- 5. Instrument panel mounting pins
- Wiring harnesses behind the combination meter
- 7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

CENTER CONSOLE

Components to pay attention to include:

- 1. Shifter assembly cover to finisher
- A/C control unit and cluster lid C
- Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

DOORS

Pay attention to the following:

- 1. Finisher and inner panel making a slapping noise
- Inside handle escutcheon to door finisher
- Wiring harnesses tapping
- 4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-50397) to repair the noise.

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the customer. In addition look for the following:

- 1. Trunk lid dumpers out of adjustment
- Trunk lid striker out of adjustment
- 3. The trunk lid torsion bars knocking together
- 4. A loose license plate or bracket

Α

В

D

Е

INFOID:0000000012408914

N

Р

DLK-419 Revision: October 2015 2016 Quest

< SYMPTOM DIAGNOSIS >

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

- Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
- 2. Sunvisor shaft shaking in the holder
- Front or rear windshield touching headlining and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

SEATS

When isolating seat noise it's important to note the position the seats in and the load placed on the seat when the noise occurs. These conditions should be duplicated when verifying and isolating the cause of the noise. Cause of seat noise include:

- Headrest rods and holder
- 2. A squeak between the seat pad cushion and frame
- 3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

Causes of transmitted underhood noise include:

- 1. Any component mounted to the engine wall
- 2. Components that pass through the engine wall
- Engine wall mounts and connectors
- 4. Loose radiator mounting pins
- 5. Hood bumpers out of adjustment
- 6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine RPM or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:0000000012408915

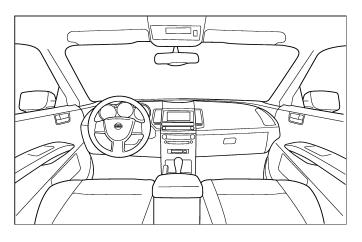


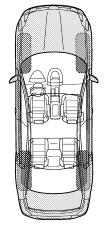
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

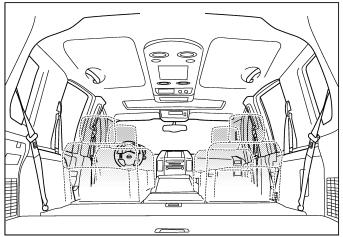
Dear Nissan Customer:

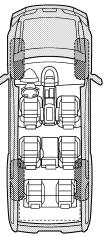
We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.









Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

PIIB8740E

F

Α

В

D

Е

G

Н

DLK

IV

Ν

0

Р

Briefly describe the location where the no	ise occurs:				
II. WHEN DOES IT OCCUR? (please che	eck the boxe	es that ap	ply)		
□ anytime□ 1st time in the morning□ only when it is cold outside□ only when it is hot outside	wher	n it is rain r dusty co	t in the ra ing or wet anditions		
III. WHEN DRIVING:	IV. WHAT TYPE OF NOISE				
 □ through driveways □ over rough roads □ over speed bumps □ only about mph □ on acceleration □ coming to a stop □ on turns: left, right or either (circle) □ with passengers or cargo □ other: miles or mir TO BE COMPLETED BY DEALERSHIP					
Test Drive Notes:					
Test Drive Notes.					
Test Drive Notes.		YES	NO	Initials of person performing	
Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired - Follow up test drive performed to confirm	m repair	YES	NO	Initials of person performing	
Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired	Cust	□ □ □ □ omer Nar		performing	

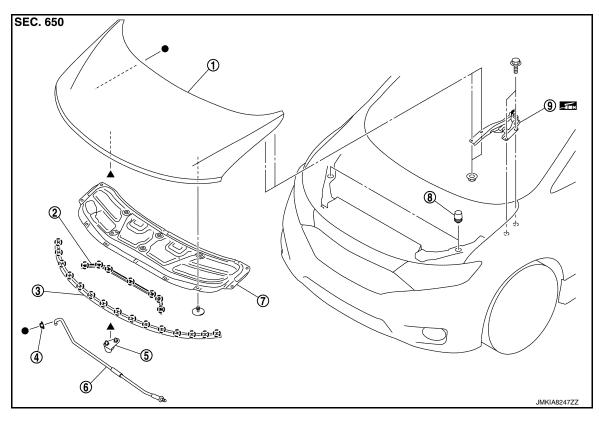
Revision: October 2015 DLK-422 2016 Quest

PIIB8742E

REMOVAL AND INSTALLATION

HOOD

Exploded View



- 1. Hood assembly
- Grommet
- Hood insulator 7.

- 2. Radiator core seal
- 5. Clamp
- Bumper rubber

- Hood seal
- Hood support rod
- Hood hinge

() : Clip

: Body grease

●, ▲: Indicates that the part is connected at points with same symbol in actual vehicle.

HOOD ASSEMBLY

HOOD ASSEMBLY: Removal and Installation

CAUTION:

- · Operate with two workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

1. Support hood assembly with the proper material to prevent it from falling.

WARNING:

Injury may occur if hood assembly is not supported with appropriate material when removing hood assembly.

Remove hood hinge mounting nuts on the hood to remove the hood assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal. **CAUTION:**

Н

Α

В

D

Е

INFOID:0000000012408916

DLK

M

INFOID:0000000012408917

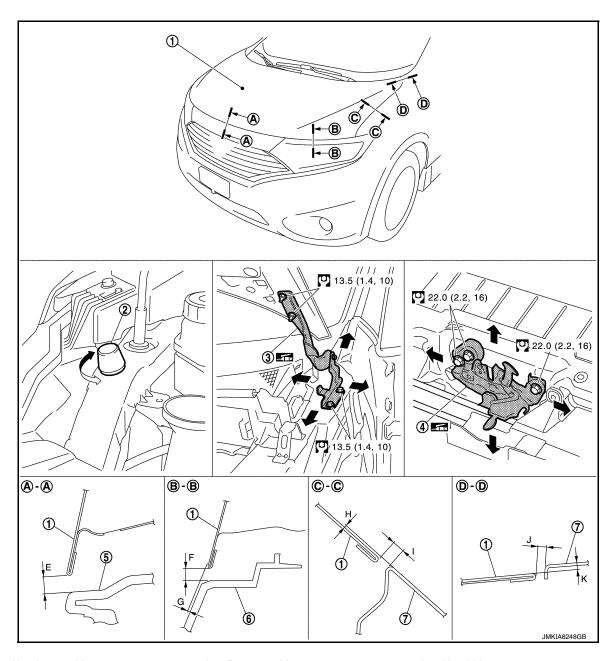
Ν

0

- Before installing the hood hinge, apply anticorrosive agent onto the mounting surface of the vehicle body.
- After installing, perform hood fitting adjustment. Refer to <u>DLK-424, "HOOD ASSEMBLY: Adjustment"</u>.

HOOD ASSEMBLY: Adjustment

INFOID:0000000012408918



- 1. Hood assembly
- 4. Hood lock assembly
- 7. Front fender

: N·m (kg-m, ft-lb)

: Body grease

- 2. Bumper rubber
- 5. Front grille

- 3. Hood hinge
- 6. Front combination lamp

Check the clearance and the surface height between hood and each part by visually and touching. If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

Portion				Standard	Difference (RH/LH, MAX)
Hood - Front grille	A – A	Е	Clearance	4.0 – 8.5 mm (0.157 – 0.335 in)	_
Hood – Front combination lamp	- в-в	F	Clearance	3.7 – 8.3 mm (0.146 – 0.327 in)	3.0 mm (0.118 in)
	B = B	G	Surface height	(–1.7) –(+3.7) mm [(–0.067) – (+0.146) in]	3.0 mm (0.118 in)
Hood – Front fender C –	d – Front fender C – C	н	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	1.5 mm (0.059 in)
		1	Clearance	2.7 – 4.7 mm (0.106 – 0.185 in)	1.5 mm (0.059 in)
Hood – Front fender		J	Clearance	3.1 – 5.1 mm (0.122 – 0.201 in)	1.5 mm (0.059 in)
	D – D	K	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	_

FITTING ADJUSTMENT PROCEDURE

- 1. Remove front grille. Refer to EXT-18, "Removal and Installation".
- Remove hood lock assembly.
- Temporarily install front grille, and then adjust the surface height of hood assembly, front fender assembly, and front combination lamp according to the specified value, by rotating hood bumper rubber.
- Remove front grille.
- Position hood lock assembly and engage hood striker. Check hood lock assembly and hood striker for looseness
- 6. Move hood lock assembly laterally until the center of hood striker and hood lock assembly are vertical when viewed from the front.
- 7. After adjustment, tighten lock bolts to the specified torque.
- Check that secondary latch is securely engaged with secondary striker from the dead load of the hood assembly.
- Check that primary latch is securely engaged with primary striker when hood assembly is closed [free-fall from approximately 200 mm (7.874 in) height].
 CAUTION:

Never free-fall hood assembly from a height of 300 (11.811 in) mm or more.

10. Install front grille. Refer to EXT-18, "Removal and Installation".

HOOD HINGE

HOOD HINGE: Removal and Installation

REMOVAL

- Remove hood assembly. Refer to DLK-423, "HOOD ASSEMBLY: Removal and Installation".
- 2. Remove front fender. Refer to DLK-429, "FRONT FENDER: Removal and Installation".
- 3. Remove hood hinge mounting bolts, and then remove hood hinge.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- After installation, perform hood fitting adjustment. Refer to <u>DLK-424, "HOOD ASSEMBLY: Adjust-ment"</u>.
- After installation, apply touch-up paint (the body color) onto the head of the hinge mounting bolts and nuts.

DLK

Α

В

D

Е

Н

L

M

.

INFOID:0000000012408919

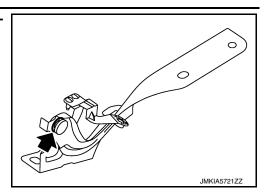
0

Р

HOOD

< REMOVAL AND INSTALLATION >

- Check hood hinge rotating part for poor lubrication. If necessary, apply grease.
 - : Grease up point



HOOD SUPPORT ROD

HOOD SUPPORT ROD: Removal and Installation

INFOID:0000000012408920

REMOVAL

CAUTION:

Two workers are required to support the hood.

1. Support hood assembly with a appropriate material to prevent it from falling.

WARNING:

Injury may occur if hood assembly is not supported with appropriate material when removing hood assembly.

2. Pull hood support rod from grommet and remove.

INSTALLATION

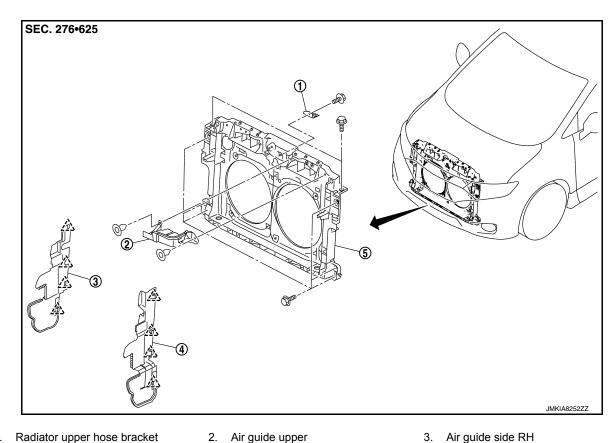
Install in the reverse order of removal.

RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

RADIATOR CORE SUPPORT

Exploded View INFOID:0000000012408921



- Radiator upper hose bracket
- Air guide side LH
- - Radiator core support

3. Air guide side RH

^ : Pawl

Removal and Installation

REMOVAL

- Use a refrigerant collecting equipment to discharge the refrigerant. Refer to <u>HA-20</u>, "Recycle Refrigerant".
- Remove engine under cover. Refer to EXT-28, "Removal and Installation". 2.
- 3. Drain engine coolant from radiator. Refer to CO-9, "Draining".
- 4. Remove front grille. Refer to EXT-18, "Removal and Installation".
- 5. Remove front bumper fascia, energy absorber, bumper reinforcement. Refer to EXT-12, "Removal and Installation".
- Remove front combination lamp LH and RH. Refer to EXL-92, "Removal and Installation" (XENON TYPE) or EXL-191, "Removal and Installation" (HALOGEN TYPE).
- 7. Remove air duct (inlet). Refer to <a>EM-27, "Removal and Installation".
- Remove air guide upper.
- Remove exhaust gas/outside odor sensor. Refer to HAC-152, "Removal and Installation" (AUTOMATIC AIR CONDITIONING).

DLK

M

0

INFOID:0000000012408922

Α

В

D

Е

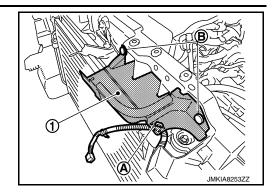
Н

DLK-427 Revision: October 2015 2016 Quest

RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

- b. Remove harness fixing clip (A).
- c. Remove fixing clips (B), and then remove air guide upper (1).



- 9. Remove hood lock assembly. Refer to <u>DLK-458</u>, "HOOD LOCK: Removal and Installation".
- 10. Disengage pawls, and then remove air guide side LH and RH.
- 11. Remove condenser. Refer to HA-43, "CONDENSER: Removal and Installation".
- Remove ambient sensor. Refer to <u>HAC-148</u>, "<u>Removal and Installation</u>" (AUTOMATIC AIR CONDITION-ING).
- 13. Remove reservoir tank, radiator hose (upper) and radiator pipe (upper). Refer to <u>CO-14, "Removal and Installation"</u>.
- 14. Remove crash zone sensor. Refer to SR-24, "Removal and Installation".
- 15. Remove cooling fan assembly. Refer to CO-18, "Removal and Installation".
- 16. Remove radiator hose (lower), radiator pipe (lower) and radiator. Refer to CO-14, "Removal and Installation".
- 17. Remove all harness clips from radiator core support.
- 18. Remove mounting bolts, and then remove radiator core support.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

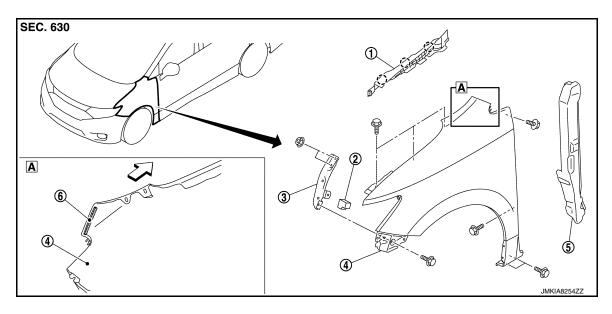
CAUTION:

After installation, inspection and replenish the following.

- Refrigerant: Refer to <u>HA-20, "Charge Refrigerant"</u>.
- Engine coolant: Refer to <u>CO-10, "Refilling"</u>.

FRONT FENDER

Exploded View



- 1. Hood side cover
- 4. Front fender assembly
- () : Clip

- 2. Front fender spacer
- 5. Front fender baffle
- 3. Front fender stay
- 6. Front fender stiffener

FRONT FENDER

FRONT FENDER: Removal and Installation

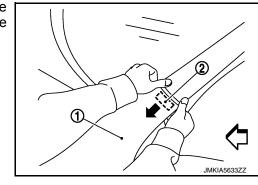
CAUTION:

Use a shop cloth to protect the body from being damaged during removal and installation.

REMOVAL

- 1. Remove front fender cover. Refer to EXT-21, "Exploded View".
- 2. Remove hood side cover. Refer to DLK-430, "HOOD SIDE COVER: Removal and Installation".
- 3. Remove front bumper fascia and bumper side bracket. Refer to EXT-12, "Removal and Installation".
- 4. Remove front combination lamp. Refer to <u>EXL-92</u>, "Removal and Installation" (XENON TYPE) or <u>EXL-191</u>, "Removal and Installation" (HALOGEN TYPE).
- 5. Remove fender protect molding. Refer to EXT-24, "FENDER PROTECT MOLDING: Removal and Installation".
- Remove fender protector (front and rear). Refer to EXT-23, "Removal and Installation".
- 7. Remove front fender spacer and front fender baffle.
- 8. Remove mounting bolts of front fender assembly.
- 9. Remove front fender stiffener (2) from the vehicle body while carefully pulling upper portion of front fender (1) toward vehicle outside.

: Vehicle front



DLK

INFOID:0000000012408924

Α

В

D

Е

Н

M

N

0

Р

Revision: October 2015 DLK-429 2016 Quest

FRONT FENDER

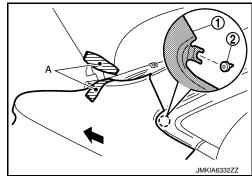
< REMOVAL AND INSTALLATION >

10. Move front fender (1) toward vehicle front, and then disengage clip (2).

CAUTION:

Apply protective tape (A) on the hood and front fender to protect the painted surface from damage.





11. Remove front fender assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- After installation, apply the touch-up paint (the body color) onto the head of front fender mounting bolts.
- · After installation, adjust the following part.
- Hood assembly: Refer to <u>DLK-424, "HOOD ASSEMBLY: Adjustment"</u>.
- Front door: Refer to DLK-433, "DOOR ASSEMBLY: Adjustment".

HOOD SIDE COVER

HOOD SIDE COVER: Removal and Installation

INFOID:0000000012408925

REMOVAL

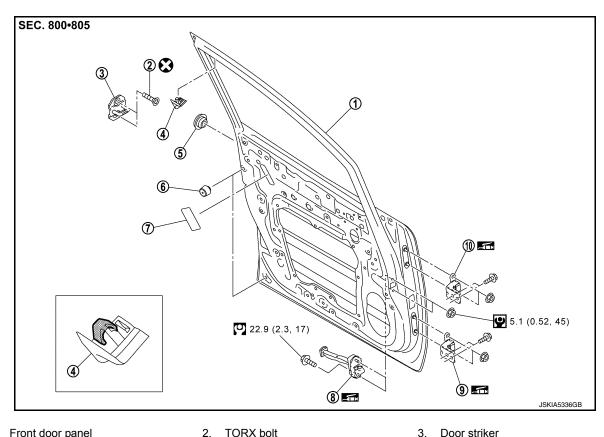
- 1. Disconnect end of hood side cover from front combination lamp.
- 2. Remove fixing clips, and then remove hood side cover.

INSTALLATION

Install in the reverse order of removal.

FRONT DOOR

Exploded View INFOID:0000000012408926



Grommet

Door check link

- Front door panel
- Front door sash inner cover
- Hole cover
- 10. Door hinge (upper)
- : Always replace after every disassembly.
- ∴ N·m (kg-m, in-lb)
- : N·m (kg-m, ft-lb)
- : Body grease
- DOOR ASSEMBLY

DOOR ASSEMBLY: Removal and Installation

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

CAUTION:

- · Perform work with 2 workers, because of its heavy weight.
- · When removing and installing front door assembly, support door with a jack and shop cloth to protect door and body.

REMOVAL

1. Remove front door protect molding. Refer to EXT-25, "FRONT DOOR PROTECT MOLDING: Removal and Installation".

3. Door striker

6. Bumper rubber

Door hinge (lower)

DLK

Α

В

D

Е

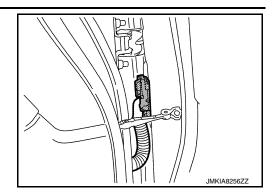
Н

INFOID:0000000012408927

FRONT DOOR

< REMOVAL AND INSTALLATION >

Disconnect front door harness connector.



- 3. Remove mounting bolt of door check link on the vehicle.
- 4. Remove door hinge mounting nuts (door side), and then remove door assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check front door open/close, lock/unlock operation after installation.
- After installation, perform the fitting adjustment. Refer to DLK-433, "DOOR ASSEMBLY : Adjustment".
- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting nuts.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT. Refer to SRC-15, "On Board Diagnosis Function" or SRC-19, "CONSULT Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

DOOR ASSEMBLY: Adjustment

INFOID:0000000012408928

Α

В

D

Е

F

Н

J

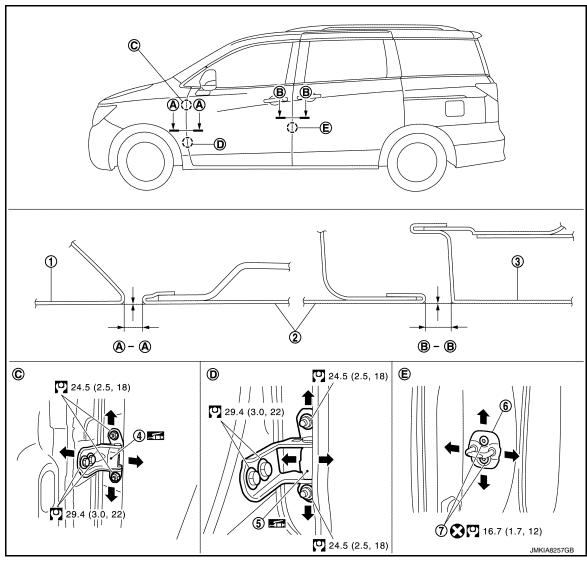
DLK

M

Ν

0

Р



- 1. Front fender
- 4. Front door hinge (upper)
- 2. Front door
- 5. Front door hinge (lower)
- Slide door
- 6. Door striker

7. TORX bolt

: Always replace after every disassembly.

: N·m (kg-m, ft-lb)

: Body grease

Check the clearance and the surface height between front door and each part by visually and touching. If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

Portion			Standard	
Front fender – Front door		Clearance	3.5 – 5.5 mm (0.138 – 0.217 in)	
	A – A	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	

FRONT DOOR

< REMOVAL AND INSTALLATION >

F	Standard		
Front door – Slide door		Clearance	3.5 – 6.5 mm (0.138 – 0.256 in)
	B – B	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]

FITTING ADJUSTMENT PROCEDURE

- Remove front fender. Refer to <u>DLK-429, "FRONT FENDER: Removal and Installation"</u>.
- 2. Loosen door hinge mounting nuts on door side.
- Adjust the surface height of front door according to the fitting standard dimension.
- 4. Temporarily tighten door hinge mounting nuts on door side.
- 5. Loosen door hinge mounting bolts on body side.
- Raise front door at rear end to adjust clearance of the front door according to the fitting standard dimension.
- 7. After adjustment tighten bolts and nuts to the specified torque.

CAUTION:

- After installation, apply touch-up paint (the body color) onto the head of hinge mounting bolts and nuts.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- 8. Install front fender. Refer to PLK-429, "FRONT FENDER: Removal and Installation".

DOOR STRIKER ADJUSTMENT

Adjust door striker so that it becomes parallel with door lock insertion direction.

DOOR STRIKER

DOOR STRIKER: Removal and Installation

INFOID:0000000012408929

REMOVAL

Remove TORX bolts, and then remove door striker.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Check front door open/close, operation after installation.
- After installation, be sure to perform the fitting adjustment. Refer to <u>DLK-433, "DOOR ASSEMBLY:</u> <u>Adjustment"</u>.

DOOR HINGE

DOOR HINGE: Removal and Installation

INFOID:0000000012408930

REMOVAL

WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing front door assembly, support door with a jack and shop cloth to protect door and body.
- 1. Remove front fender. Refer to <u>DLK-429</u>, "FRONT FENDER: Removal and Installation".
- 2. Remove front door assembly. Refer to DLK-431, "DOOR ASSEMBLY: Removal and Installation".
- 3. Remove front door hinge mounting bolts (body side), and then remove front door hinge.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

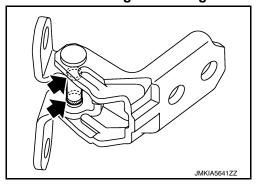
CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check front door open/close, lock/unlock operation after installation.

FRONT DOOR

< REMOVAL AND INSTALLATION >

- After installation, perform the fitting adjustment. Refer to <u>DLK-433</u>, "<u>DOOR ASSEMBLY</u>: <u>Adjust-ment</u>".
- · After installation, apply touch-up paint (the body color) onto the head of door hinge mounting nuts.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
 - : Grease up point

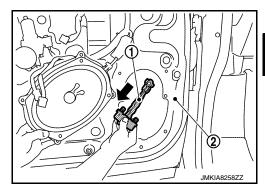


- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT. Refer to SRC-15, "On Board Diagnosis Function" or SRC-19, "CONSULT Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. DOOR CHECK LINK

DOOR CHECK LINK: Removal and Installation

REMOVAL

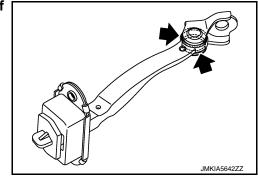
- 1. Fully close the front door window.
- Remove front door finisher. Refer to <u>INT-14</u>, "Removal and Installation".
- 3. Remove bracket mounting bolts of front door speaker.
- 4. Remove front door speaker and bracket as a set, and move them aside.
- 5. Remove mounting bolt of door check link on the vehicle.
- 6. Remove mounting nuts of door check link on door panel.
- 7. Take door check link (1) out from the hole of door panel (2).



INSTALLATION

Note the following items, and install in the reverse order of removal.

- Check front door open/close operation after installation.
- Check door check link rotating part for poor lubrication. If necessary, apply grease.
 - : Grease up point



DLK

Н

Α

В

D

Е

INFOID:0000000012408931

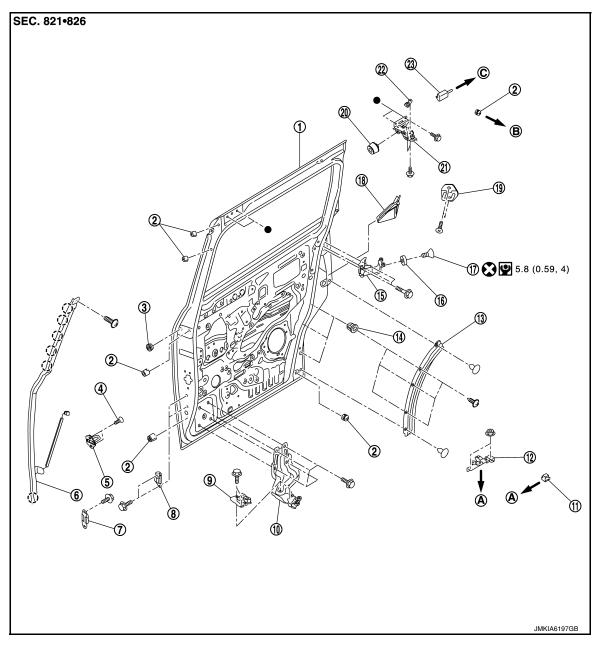
M

Ν

Р

Revision: October 2015 DLK-435 2016 Quest

Exploded View



- 1. Slide door panel
- 4. TORX bolt
- 7. Dovetail (female)
- 10. Lower roller
- 13. Slide door lower weather-strip
- 16. Roller
- 19. Door striker (rear)
- 22. Sub roller
- A : To slide door lower railB : To body outer panelC : Slide door upper rail

- 2. Bumper rubber
- 5. Door striker (front)
- 8. Dovetail (male)
- 11. Slide door lower stopper
- 14. Screw grommet
- 17. TORX bolt
- 20. Stopper rubber
- 23. Slide door upper stopper

- 3. Grommet
- Touch sensor (automatic sliding door models)
- 9. Lower latch
- 12. Slide door lower striker
- 15. Rear roller
- 18. Slide door outside protector
- 21. Upper roller assembly

< REMOVAL AND INSTALLATION >

	-		
1	١.	•	Clip
i	i	•	CIII

: Always replace after every disassembly.

: N·m (kg-m, in-lb)

•: Indicates that the part is connected at points with same symbol in actual vehicle.

DOOR ASSEMBLY

DOOR ASSEMBLY: Removal and Installation

INFOID:0000000012408933

Α

В

D

Е

F

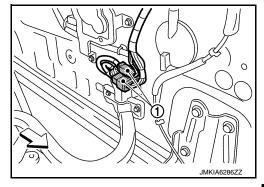
Н

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.

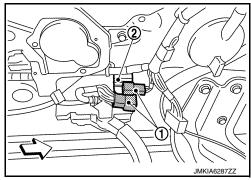
REMOVAL

- 1. Remove slide door protect molding. Refer to <u>EXT-26</u>, "SLIDE DOOR PROTECT MOLDING : Removal and Installation".
- 2. Remove slide door finisher. Refer to INT-17, "Removal and Installation".
- 3. Remove lower latch. Refer to DLK-442, "LOWER LATCH: Removal and Installation".
- 4. Disconnect uninterruptible power supply harness from slide door panel.
- a. Disconnect harness connector (1).



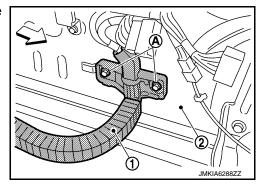
b. Remove harness connectors (1) from harness connector bracket (2).

: Vehicle front



c. Remove mounting bolts (A), and then remove uninterruptible power supply harness (1) from slide door panel (2).

⟨⇒ : Vehicle front



5. Remove upper roller assembly mounting bolts. Refer to <u>DLK-440, "UPPER ROLLER: Removal and Installation"</u>.

Revision: October 2015 DLK-437 2016 Quest

DLK

M

Ν

0

< REMOVAL AND INSTALLATION >

- 6. Remove rear roller mounting bolts. Refer to DLK-441, "REAR ROLLER: Removal and Installation".
- 7. Remove lower roller mounting bolts. Refer to <u>DLK-441</u>, "LOWER ROLLER: Removal and Installation".
- 8. Remove slide door assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check slide door open/close, lock/unlock operation after installation.
- After installation, perform the fitting adjustment. Refer to DLK-439, "DOOR ASSEMBLY: Adjustment".
- After installation, apply touch-up paint (the body color) onto the head of slide door roller mounting bolts.

DOOR ASSEMBLY: Adjustment

INFOID:0000000012408934

Α

В

C

D

Е

F

Н

J

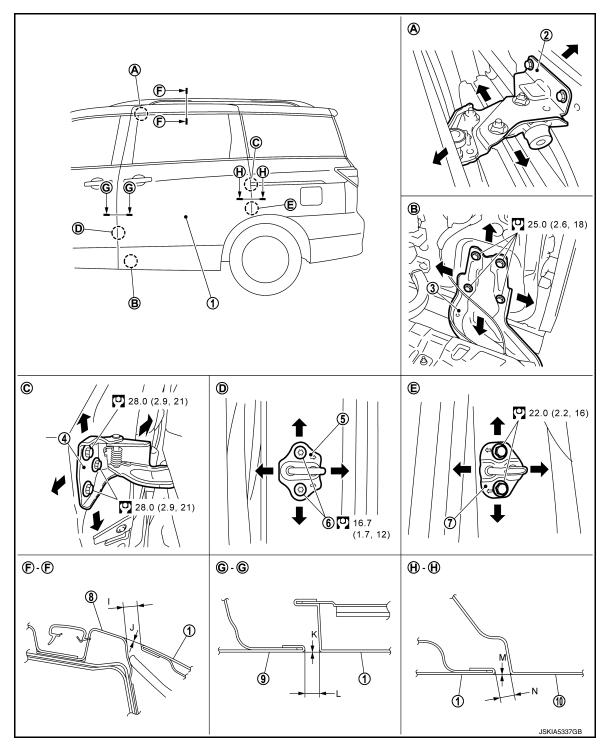
DLK

M

Ν

0

Р



- 1. Slide door
- Rear roller
- Door striker (rear)
- 10. Body side outer
- : N·m (kg-m, ft-lb)

- 2. Upper roller assembly
- Door striker (front)
- 8. Body side outer

- Lower roller
- 6. TORX bolt
- 9. Front door

Check the clearance and the surface height between slide door each part by visually and touching. If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

Por	Standard				
Slide door – Body side outer		I	Clearance	5.1 – 7.1 mm (0.201 – 0.280 in)	
	F-F	J	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	
Front door – Slide door	G-G	Surface height		(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	
		L	Clearance	3.5 – 6.5 mm (0.138 – 0.256 in)	
Slide door – Body side outer	H-H	M	Surface height	(-1.0) - (+1.0) mm [(-0.039) - (+0.039) in]	
		N	Clearance	3.3 – 6.3 mm (0.130 – 0.248 in)	

FITTING ADJUSTMENT PROCEDURE

Loosen the upper roller assembly, lower roller and rear roller mounting bolts, adjust the surface of slide door according to the fitting standard dimension.

DOOR STRIKER ADJUSTMENT

Adjust door striker so that it becomes parallel with door lock insertion direction.

CAUTION:

After installation, apply touch-up paint (the body color) onto the head of slide door roller mounting bolts.

DOOR STRIKER

DOOR STRIKER: Removal and Installation

INFOID:0000000012408935

REMOVAL

Door striker (front)

Remove mounting TORX bolts, and then remove door striker (front).

Door striker (rear)

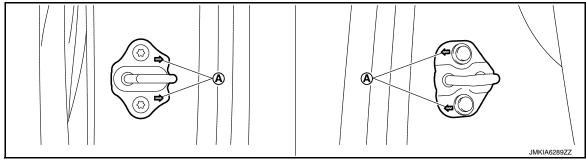
Remove mounting bolts, and then remove door striker (rear).

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- After installation, be sure to perform the fitting adjustment. Refer to <u>DLK-439</u>, "<u>DOOR ASSEMBLY</u>:
- After installation, check that the direction of arrows (A), as shown in the figure, faces toward passenger room.



Door striker (front)

Door striker (rear)

UPPER ROLLER

UPPER ROLLER: Removal and Installation

INFOID:0000000012408936

CAUTION:

< REMOVAL AND INSTALLATION >

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.

REMOVAL

- Remove slide door upper stopper. Refer to DLK-446, "SLIDE DOOR UPPER STOPPER: Removal and Installation".
- Support the front of slide door with the proper material to prevent it from falling.

Bodily injury may occur if no supporting jack is holding slide door open when removing upper roller assembly.

- 3. Remove upper roller assembly mounting bolts.
- Remove upper roller assembly and sub roller as a set.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check slide door open/close operation after installation.
- When removing and installing slide door assembly, perform the fitting adjustment. Refer to DLK-439. "DOOR ASSEMBLY : Adjustment".
- After installing, apply the touch-up paint (the body color) onto the head of upper roller mounting bolts.

REAR ROLLER

REAR ROLLER: Removal and Installation

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.

REMOVAL

- Remove slide door rail cover. Refer to EXT-43. "Removal and Installation".
- Support the end of slide door with the proper material to prevent it from falling.

Bodily injury may occur if no supporting jack is holding slide door open when removing rear roller.

- Remove rear roller mounting bolts.
- Disconnect cable holder of automatic sliding door unit (automatic sliding door models). Refer to <u>DLK-473</u>. "AUTOMATIC SLIDING DOOR UNIT: Removal and Installation".
- Remove rear roller.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check slide door open/close operation after installation.
- When removing and installing slide door assembly, perform the fitting adjustment. Refer to DLK-439, "DOOR ASSEMBLY : Adjustment".
- After installing, apply the touch-up paint (the body color) onto the head of rear roller mounting bolts. LOWER ROLLER

LOWER ROLLER: Removal and Installation

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.

DLK

D

Е

Н

INFOID:0000000012408937

L

M

Ν

Р

INFOID:0000000012408938

< REMOVAL AND INSTALLATION >

REMOVAL

- 1. Remove slide door finisher. Refer to INT-17, "Removal and Installation".
- Remove lower latch. Refer to DLK-442, "LOWER LATCH: Removal and Installation".
- 3. Remove slide door lower striker. Refer to <u>DLK-445, "SLIDE DOOR LOWER STRIKER: Removal and Installation".</u>
- Support the front of slide door with the proper material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting jack is holding slide door open when removing lower roller.

5. Remove the mounting bolts, and then remove the lower roller.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check slide door open/close operation after installation.
- When removing and installing slide door assembly, perform the fitting adjustment. Refer to <u>DLK-439</u>, <u>"DOOR ASSEMBLY: Adjustment"</u>.
- After installing, apply the touch-up paint (the body color) onto the head of lower roller mounting bolts.

LOWER LATCH

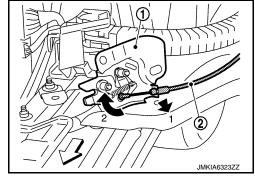
LOWER LATCH: Removal and Installation

INFOID:0000000012408939

REMOVAL

- 1. Remove rear kicking plate. Refer to INT-22, "KICKING PLATE: Removal and Installation".
- 2. Remove lower latch mounting bolts.
- 3. Disconnect remote control door lock cable (2) from lower latch (1).

: Vehicle front



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, check door open/close, lock/unlock operation.

DOVETAIL

DOVETAIL: Removal and Installation

INFOID:0000000012408940

REMOVAL

Remove the mounting bolts, and then remove the dovetail (male/female).

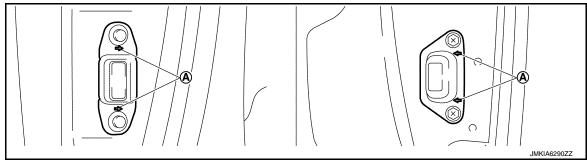
INSTALLATION

Install in the reverse order of removal.

- 1. Install dovetail (male).
- 2. Temporarily tighten dovetail (female) mounting bolts.
- 3. Perform the fitting adjustment.
- a. Open and close two or three times slide doors.
- b. Open the slide door, and then tighten the dovetail (female) mounting bolts.

CAUTION:

After installation, check that the direction of arrows (A), as shown in the figure, faces toward passenger room.



Dovetail (female)

Dovetail (male)

BUMPER RUBBER

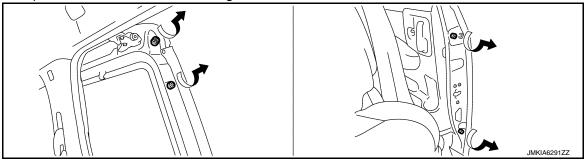
BUMPER RUBBER: Removal and Installation

INFOID:0000000012408941

BUMPER RUBBER

Removal

Pull out bumper rubber forward while rotating it counterclockwise to remove.



Installation

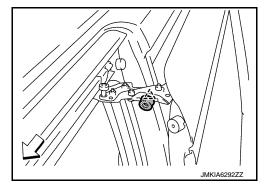
Install in the reverse order of removal.

STOPPER RUBBER

Removal

Disengage pawl of stopper rubber to remove.

_____: Pawl



Installation

Install in the reverse order of removal.

BUMPER RUBBER (BODY UPPER PORTION AND SLIDE DOOR REAR LOWER PORTION)

Removal

DLK

В

D

Е

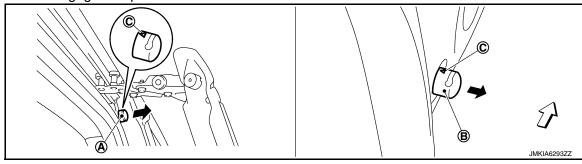
Н

M

Ν

Р

DLK-443 Revision: October 2015 2016 Quest Pull out and disengage bumper rubber to remove.



⟨□ : Vehicle front

CAUTION:

When installing, check that △ mark (C) on bumper rubber of body upper portion (A) and slide door rear lower portion (B) are visible to vehicle upper side.

Installation

Install in the reverse order of removal.

SLIDE DOOR LOWER WEATHER-STRIP

SLIDE DOOR LOWER WEATHER-STRIP: Removal and Installation

INFOID:0000000012408942

REMOVAL

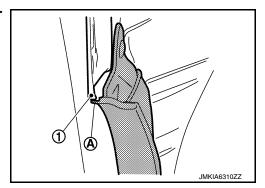
Remove fixing screws and clips, and then remove slide door lower weather-strip.

INSTALLATION

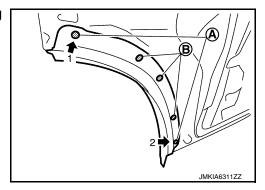
Note the following items, and then install in the reverse order of removal.

CAUTION:

• When installing, check that lip portion (A) of slide door lower weather-strip overlaps end of slide door panel (1).



· When installing, install mounting clips (A) and mounting screws (B) in numerical order as shown in the figure.



SLIDE DOOR OUTSIDE PROTECTOR

SLIDE DOOR OUTSIDE PROTECTOR: Removal and Installation

INFOID:0000000012408943

REMOVAL

Remove slide door outside protector while peeling double-sided adhesive tape.

< REMOVAL AND INSTALLATION >

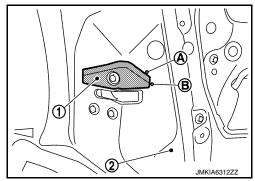
INSTALLATION

Install slide door panel (2) while checking the installation position of slide door outside protector (1).

- · Align to vehicle vertical position mark (A).
- Align to vehicle longitudinal position mark (B).
- Align lower end of slide door outside protector to be parallel to lock opening portion.

NOTE:

When reusing slide door outside protector, remove double-sided adhesive tape from protector and slide door panel sides, clean the applied area of double-sided adhesive tape, and then install slide door outside protector to slide door panel using new double-sided adhesive tape.



Double-sided tape t: 1.2 mm (0.047 in)

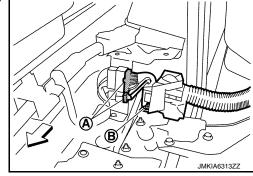
SLIDE DOOR LOWER STRIKER

SLIDE DOOR LOWER STRIKER: Removal and Installation

INFOID:0000000012408944

REMOVAL

- 1. Remove rear kicking plate and rear floor step assembly. Refer to INT-22, "KICKING PLATE: Removal and INT-20, "Exploded View".
- Disconnect uninterruptible power supply harness from slide door lower striker.
- a. Disconnect harness connector (A).
- b. Remove uninterruptible power supply harness mounting nut (B).



3. Remove mounting nuts, and then remove slide door lower striker.

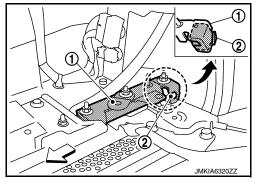
INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

Fix rear end of slide door lower striker (1) to rear portion of slide door lower stopper (2).

: Vehicle front



SLIDE DOOR LOWER STOPPER

SLIDE DOOR LOWER STOPPER: Removal and Installation

INFOID:0000000012408945

REMOVAL

1. Remove slide door lower striker. Refer to <u>DLK-445, "SLIDE DOOR LOWER STRIKER: Removal and Installation".</u>

Revision: October 2015 DLK-445 2016 Quest

В

Α

0

D

Е

F

Н

J

DLK

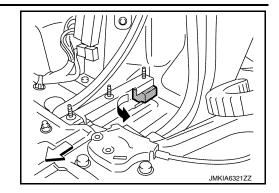
M

Ν

0

< REMOVAL AND INSTALLATION >

2. Remove slide door lower stopper.



INSTALLATION

Install in the reverse order of removal.

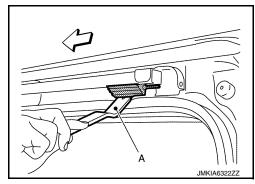
SLIDE DOOR UPPER STOPPER

SLIDE DOOR UPPER STOPPER: Removal and Installation

INFOID:0000000012408946

REMOVAL

- 1. Slide the slide door upper stopper toward vehicle front.
- 2. Use a remover tool (A), and then remove slide door upper stopper.



INSTALLATION

Install in the reverse order of removal.

TOUCH SENSOR

TOUCH SENSOR: Removal and Installation

INFOID:0000000012408947

REMOVAL

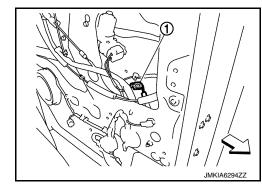
- 1. Remove remote control assembly. Refer to <u>DLK-472, "REMOTE CONTROL ASSEMBLY: Removal and Installation".</u>
- 2. Remove front side of sealing screen.

NOTE

Cut the butyl-tape so that some parts of the butyl-tape do not remain on the sealing screen, if the sealing screen is reused.

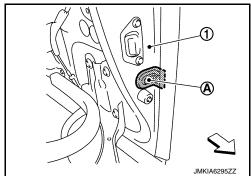
3. Disconnect touch sensor harness connector (1).

: Vehicle front



< REMOVAL AND INSTALLATION >

4. Remove grommet (A), and then pull out harness from slide door panel (1).



5. Remove mounting screws and mounting clips, and then pull touch sensor toward vehicle front to remove. **CAUTION:**

Never hit or bend touch sensor strongly.

INSTALLATION

Note the following item, and install in the reverse order of removal.

CAUTION:

After installation, check that slide door is reversed normally.

DLK

Р

Revision: October 2015 DLK-447 2016 Quest

Α

В

С

 D

Е

F

Н

J

L

M

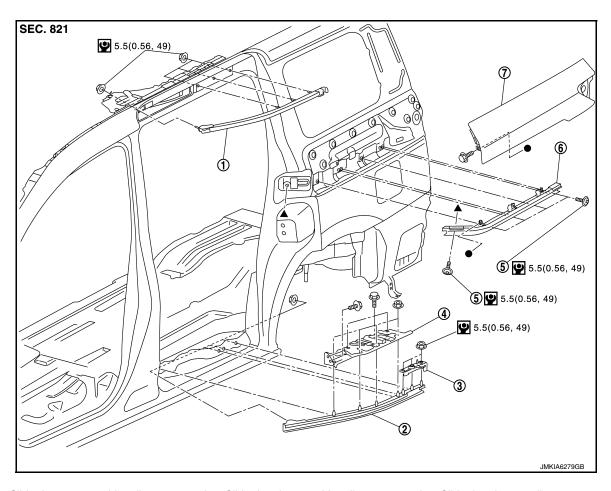
Ν

0

-

SLIDE DOOR GUIDE RAIL

Exploded View



- 1. Slide door upper guide rail
- 4. Rear floor step assembly
- 7. Slide door rail cover
- : N·m (kg-m, in-lb)

- 2. Slide door lower guide rail
- 5. TORX bolt

- 3. Slide door lower striker
- 6. Slide door rear guide rail

●: ▲: Indicates that the part is connected at points with same symbol in actual vehicle.

SLIDE DOOR UPPER GUIDE RAIL

SLIDE DOOR UPPER GUIDE RAIL: Removal and Installation

INFOID:0000000012408949

CAUTION:

- · Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.
- · Perform the following procedures after replacing guide rail.
- Paint rail the same color as the vehicle body.
- Apply grease to the roller rotating portion.
- Apply anti-corrosion treatment to installation surface between body panel and rail.
- Adjust fitting of slide door after installation. Refer to <u>DLK-439</u>, "DOOR ASSEMBLY: Adjustment".

REMOVAL

- 1. Remove headlining. Refer to INT-35, "Removal and Installation".
- Remove slide door assembly. Refer to <u>DLK-437</u>, "<u>DOOR ASSEMBLY</u>: <u>Removal and Installation</u>".

SLIDE DOOR GUIDE RAIL

< REMOVAL AND INSTALLATION >

- Remove slide door upper stopper. Refer to <u>DLK-446</u>, "SLIDE <u>DOOR UPPER STOPPER</u>: Removal and Installation".
- Remove upper roller assembly and sub roller as a set. Refer to <u>DLK-440</u>, "UPPER ROLLER: Removal and Installation".
- 5. Remove mounting nuts, and then remove slide door upper guide rail.

INSTALLATION

Install in the reverse order of removal.

SLIDE DOOR REAR GUIDE RAIL

SLIDE DOOR REAR GUIDE RAIL: Removal and Installation

INFOID:0000000012408950

Α

D

Е

Н

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- · When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.
- Perform the following procedures after replacing guide rail.
- Paint rail the same color as the vehicle body.
- Apply anti-corrosion treatment to installation surface between body panel and rail.
- Adjust fitting of slide door after installation. Refer to DLK-439, "DOOR ASSEMBLY: Adjustment".

REMOVAL

- Remove slide door assembly. Refer to <u>DLK-437</u>, "<u>DOOR ASSEMBLY</u>: <u>Removal and Installation</u>".
- Remove slide door rail cover. Refer to EXT-43, "Removal and Installation".

SLIDE DOOR LOWER GUIDE RAIL: Removal and Installation

- Remove rear roller. Refer to DLK-441, "REAR ROLLER: Removal and Installation".
- Remove luggage side lower finisher. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 5. Remove mounting TORX bolts and nuts, and then remove slide door rear guide rail.

INSTALLATION

Install in the reverse order of removal.

SLIDE DOOR LOWER GUIDE RAIL

INFOID:0000000012408951

CAUTION:

- Perform work with 2 workers, because of its heavy weight.
- When removing and installing slide door assembly, support door with a jack and shop cloth to protect door and body.
- Perform the following procedures after replacing guide rail.
- Paint rail the same color as the vehicle body.
- Apply anti-corrosion treatment to installation surface between body panel and rail.
- Apply anti-corrosion treatment to each end of mounting nuts and stud bolts of rail.
- Adjust fitting of slide door after installation. Refer to DLK-439, "DOOR ASSEMBLY: Adjustment".

REMOVAL

- Remove slide door assembly. Refer to <u>DLK-437</u>, "<u>DOOR ASSEMBLY</u>: <u>Removal and Installation</u>".
- Remove rear kicking plate. Refer to INT-22, "KICKING PLATE: Removal and Installation".
- 3. Remove mounting bolts, and then remove rear floor step assembly.
- Remove slide door lower striker. Refer to DLK-445, "SLIDE DOOR LOWER STRIKER: Removal and Installation".
- 5. Remove slide door lower stopper. Refer to <u>DLK-445</u>, "SLIDE DOOR LOWER STOPPER: Removal and Installation".
- Remove lower roller. Refer to DLK-441, "LOWER ROLLER: Removal and Installation".
- Remove mounting nuts, and then remove slide door lower guide rail.

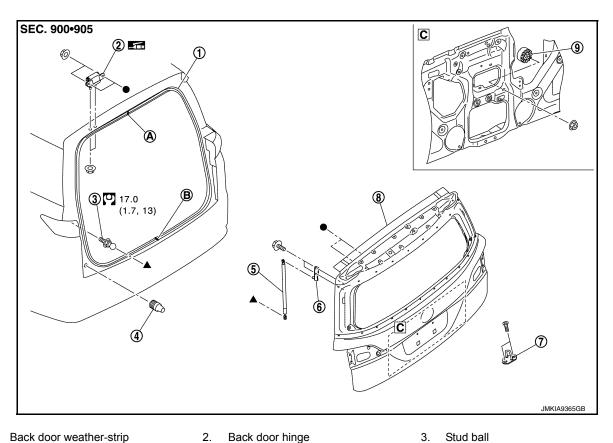
INSTALLATION

Install in the reverse order of removal.

DLK

N

Exploded View INFOID:0000000012408952



- 1. Back door weather-strip
- Bumper rubber
- Back door striker 7.
- Center mark A.
- Seam
- : N·m (kg-m, ft-lb)
- : Body grease
- ♠. Indicates that the part is connected at points with same symbol in actual vehicle.

5.

Back door stay

Back door panel

6.

Back door stay bracket

Back door damper

BACK DOOR ASSEMBLY

BACK DOOR ASSEMBLY: Removal and Installation

INFOID:0000000012408953

CAUTION:

- Operate with two workers, because of its heavy weight.
- Use protective tape or cloth to protect from damage during remove and installation.

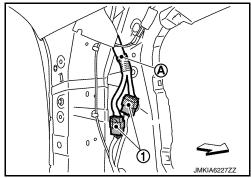
REMOVAL

- Remove back door support rod (back door side). Refer to DLK-476, "BACK DOOR SUPPORT ROD : Removal and Installation" (automatic back door models).
- Remove back pillar garnish LH and RH. Refer to INT-27, "BACK PILLAR GARNISH: Removal and Installation".

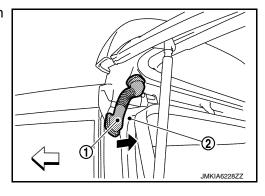
< REMOVAL AND INSTALLATION >

3. Disconnect harness connectors (1) and remove harness fixing clip (A).

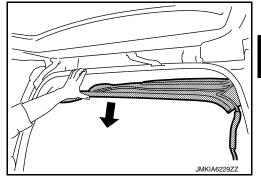
: Vehicle front



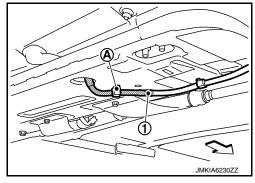
4. Remove grommet (1), and then pull out harness from back main pillar (2).



- 5. Lower rear portion of headlining and secure work space.
- a. Remove rear pillar garnish LH and RH. Refer to INT-27, "REAR PILLAR GARNISH: Removal and Installation".
- b. Remove roof side garnish LH and RH. Refer to INT-28, "ROOF SIDE GARNISH: Removal and Installation".
- c. Remove upper side of back door weather-strip. Refer to <u>DLK-456, "BACK DOOR WEATHER-STRIP:</u> Removal and Installation".
- d. Remove second assist grips LH and RH, third assist grips LH and RH and third seat belt finisher LH and RH, and then remove rear portion of headlining. Refer to <u>INT-35</u>, "Removal and Installation".



6. Remove fixing clip (A), and then disconnect rear washer tube (1).



Α

В

С

D

Е

F

Н

DLK

M

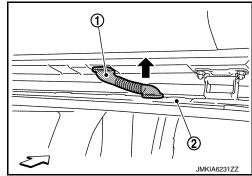
Ν

0

< REMOVAL AND INSTALLATION >

7. Remove grommet (1), and then pull out washer tube from roof panel (2).

<□ : Vehicle front



8. Support back door lock with the proper material to prevent it from falling.

WARNING:

Body injury may occur if no supporting rod is holding the back door open when removing the back door stay.

- Remove back door stay (back door side). Refer to <u>DLK-455, "BACK DOOR STAY: Removal and Installation".</u>
- 10. Remove back door hinge mounting nuts on back door and remove back door assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check back door open/close, lock/unlock operation after installation.
- After installation, perform fitting adjustment. Refer to <u>DLK-453</u>, "<u>BACK DOOR ASSEMBLY</u>: <u>Adjust-ment"</u>.

BACK DOOR ASSEMBLY: Adjustment

INFOID:0000000012408954

Α

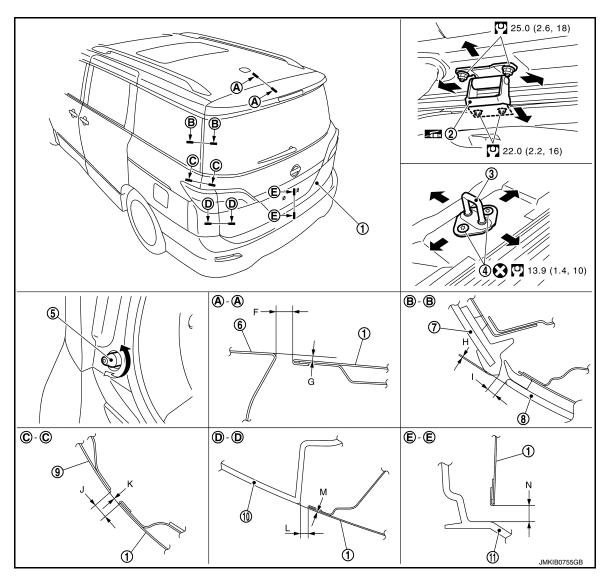
В

D

Е

F

Н



- 1. Back door
- 4. TORX bolt
- 7. Side window glass
- 10. Sight shield

- 2. Back door hinge
- 5. Bumper rubber
- 8. Back door glass
- 1. Rear bumper fascia
- 3. Back door striker
- 6. Roof panel
- 9. Slide door rail cover

: Always replace after every disassembly.

: N·m (kg-m, ft-lb)

: Body grease

Check the clearance and the surface height between back door and each part by seeing and touching. If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

Portion				Standard	Difference (RH/LH)
Back door – Roof panel		F	Clearance	5.5 – 8.5 mm (0.217 – 0.335 in)	_
	A – A	G	Surface height	0.0 – 2.0 mm (0.000 – 0.079 in)	_

DLK

J

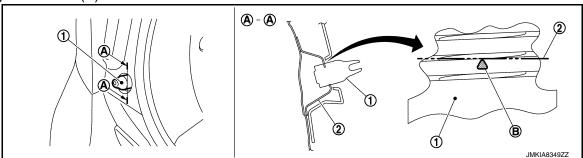
Ν

0

Portion				Standard	Difference (RH/LH)
Back door glass – Side window glass	B – B	н	Surface height	(-1.6) - (+2.4) mm [(-0.063) - (+0.094) in]	1.5 mm (0.059 in)
		I	Clearance	3.0 – 7.0 mm (0.118 – 0.276 in)	_
Back door – Slide door rail cover	C – C	J	Clearance	4.0 – 8.0 mm (0.157 – 0.315 in)	_
		K	Surface height	(-1.5) - (+1.5) mm [(-0.059) - (+0.059) in]	_
Back door - Sight shield	D – D	L	Clearance	3.3 – 6.7 mm (0.130 – 0.264 in)	_
		M	Surface height	(-1.7) - (+1.7) mm [(-0.067) - (+0.067) in]	_
Back door – Rear bumper fascia	E-E	N	Clearance	6.0 – 10.0 mm (0.236 – 0.394 in)	_

FITTING ADJUSTMENT PROCEDURE

- 1. Loosen back door striker mounting bolts.
- 2. Loosen back door hinge mounting nuts (back door side).
- Adjust back door using back door striker and back door hinge to the specified value, as shown in the following table.
- 4. After adjustment tighten back door striker mounting bolts and back door hinge mounting nuts (back door side) to the specified torque.
- 5. Viewing from vehicle upper, insert bumper rubber (1) into bumper rubber bracket (2) to the position of alignment mark (B).



CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- After installation, apply touch-up paint (the body color) onto the head of back door hinge mounting nuts.
- Adjust the following parts.
- Rear view camera.
- DISPLAY AUDIO: Refer to <u>AV-109</u>, "<u>Adjustment</u>".
- BASE AUDIO WITH SEPARATE DISPLAY: Refer to <u>AV-259</u>, "Adjustment".
- BOSE AUDIO WITHOUT NAVIGATION: Refer to <u>AV-420, "Adjustment"</u>.
- BOSE AUDIO WITH NAVIGATION: Refer to <u>AV-526</u>, "CALIBRATING CAMERA IMAGE (AROUND VIEW MONITOR): Work Procedure".

BACK DOOR STRIKER ADJUSTMENT

Adjust back door striker so that it becomes parallel with back door lock insertion direction.

BACK DOOR STRIKER

BACK DOOR STRIKER: Removal and Installation

ON DOOR STRIKER. Removal and installation INFOID:0000000012408955

REMOVAL

- Remove tailgate kicking plate. Refer to <u>INT-40, "TAILGATE KICKING PLATE: Removal and Installation"</u>.
- 2. Remove mounting TORX bolts, and then remove back door striker.

< REMOVAL AND INSTALLATION >

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Check back door open/close operation after installation.
- When removing and installing back door striker, check to perform the fitting adjustment. Refer to <u>DLK-453, "BACK DOOR ASSEMBLY : Adjustment"</u>.

BACK DOOR HINGE

BACK DOOR HINGE: Removal and Installation

INFOID:0000000012408956

Α

D

Е

Н

CAUTION:

- Operate with two workers, because of its heavy weight.
- Use protective tape or cloth to protect from damage during remove and installation.

REMOVAL

- 1. Remove back door assembly. Refer to DLK-450, "BACK DOOR ASSEMBLY: Removal and Installation".
- 2. Remove back door hinge mounting nuts (body side), and then remove back door hinge.

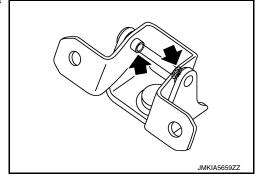
INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check back door open/close operation after installation.
- When removing and installing back door assembly, perform the fitting adjustment. Refer to <u>DLK-453</u>, <u>"BACK DOOR ASSEMBLY : Adjustment"</u>.
- After installation, apply touch-up paint (the body color) onto the head of back door hinge mounting nuts.
- Check back door hinge rotating part for poor lubrication. If necessary, apply body grease.

: Grease up point



BACK DOOR STAY

BACK DOOR STAY: Removal and Installation

INFOID:0000000012408957

REMOVAL

Support back door lock with the proper material to prevent it from falling.

WARNING:

Body injury may occur if no supporting rod is holding the back door open when removing the back door stay.

2. Remove back door stay mounting bolts.

CAUTION:

Be careful not to damage painted surface.

0

DLK

Р

M

Ν

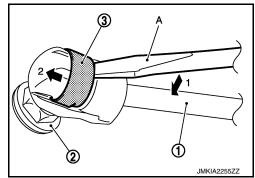
Revision: October 2015 DLK-455 2016 Quest

< REMOVAL AND INSTALLATION >

3. Remove the metal clip (3) located on the connection between the back door stay (1) and the stud ball (2) (body side) by using a flat-bladed screwdriver (A).

CAUTION:

Be careful not to damage painted surface.



4. Remove back door stay.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

Check back door open/close operation after installation.

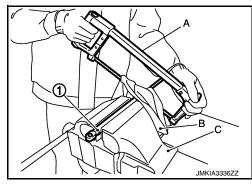
BACK DOOR STAY: Disposal

1. Fix back door stay (1) using a vise (C).

2. Using hacksaw (A) slowly make 2 holes in the back door stay, in numerical order as shown in the figure.

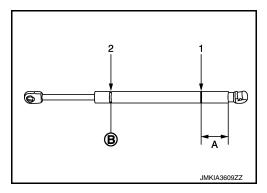
CAUTION:

- When cutting a hole on back door stay, always cover a hacksaw using a shop cloth (B) to avoid scattering metal fragments or oil.
- · Wear eye protection (safety glasses).
- · Wear gloves.



A: 20 mm (0.787 in)

B: Cut at the groove.



BACK DOOR WEATHER-STRIP

BACK DOOR WEATHER-STRIP: Removal and Installation

INFOID:0000000012408959

INFOID:0000000012408958

REMOVAL

- 1. Remove back door support rod (back door side). Refer to <u>DLK-476, "BACK DOOR SUPPORT ROD : Removal and Installation".</u>
- 2. Pull up and remove engagement with body from weather-strip joint.

CAUTION:

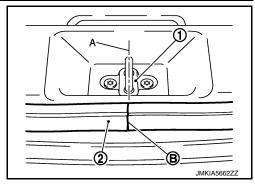
Never pull strongly on weather-strip.

INSTALLATION

1. Working from the upper section, align weather-strip center mark with vehicle center position mark and install weather-strip onto the vehicle.

< REMOVAL AND INSTALLATION >

2. Align the connecting point (B) of weather-strip (2) to the center (A) of striker (1), and then install as shown in the figure.



3. Pull weather-strip gently to ensure that there is no loose section. **NOTE:**

Check that weather-strip is fit tightly at each corner and tailgate kicking plate.

4. Install back door support rod (back door side). Refer to <u>DLK-476, "BACK DOOR SUPPORT ROD: Removal and Installation".</u>

F

Α

В

D

Е

Н

J

DLK

L

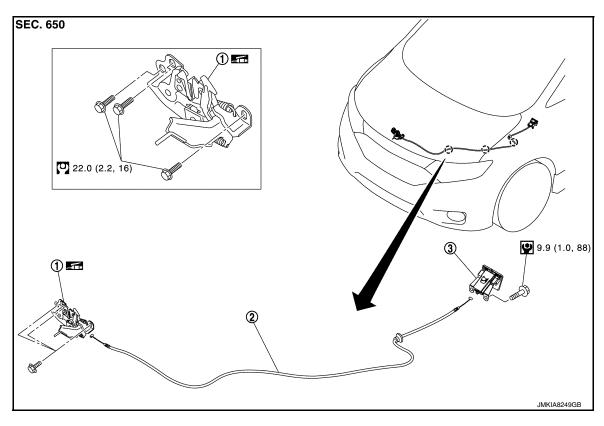
M

Ν

0

HOOD LOCK

Exploded View



- 1. Hood lock assembly
- 2. Hood lock control cable
- 3. Hood lock control handle

(]) : Clip

: N·m (kg-m, in-lb)

: N·m (kg-m, ft-lb)

: Body grease

HOOD LOCK

HOOD LOCK: Removal and Installation

REMOVAL

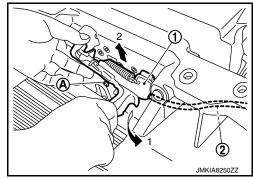
- 1. Remove front grille. Refer to EXT-18, "Removal and Installation".
- 2. Remove mounting bolts, and then remove hood lock assembly (1).

NOTE:

Press the lever downward to avoid pin (A), then pull out hood lock assembly upward.

CAUTION:

Never bend hood lock control cable (2) strongly.

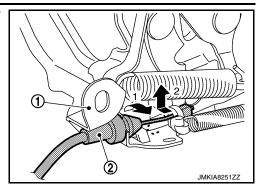


INFOID:0000000012408961

HOOD LOCK

< REMOVAL AND INSTALLATION >

 Disconnect hood lock control cable (2) from hood lock assembly (1).



INSTALLATION

Note the following items, and then install in the reverse order of removal. **CAUTION:**

- After installation, perform hood fitting adjustment. Refer to <u>DLK-424, "HOOD ASSEMBLY: Adjust-ment"</u>.
- After installation, perform hood lock control inspection. Refer to <u>DLK-460, "Inspection"</u>.
 HOOD LOCK CONTROL CABLE

HOOD LOCK CONTROL CABLE: Removal and Installation

INFOID:0000000012408962

REMOVAL

- 1. Disconnect hood lock control cable from hood lock assembly. Refer to DLK-458, "HOOD LOCK: Removal and Installation".
- Remove fender protector LH (front and rear). Refer to EXT-23, "Removal and Installation".
- 3. Remove hood lock cable fixing clips.
- 4. Disconnect hood lock control cable from hood lock control handle. Refer to DLK-460, "HOOD LOCK CONTROL HANDLE: Removal and Installation".
- Remove grommet on the lower dash, and pull the hood lock control cable toward the passenger compartment.

CAUTION:

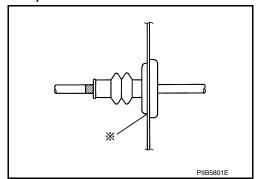
While pulling, never to damage (peeling) the outside of hood lock control cable.

INSTALLATION

Note the following items, and install in the reverse order of removal.

CAUTION:

- Never to bend cable too much, keeping the radius 100 mm (3.937 in) or more.
- Check that cable is not offset from the positioning grommet, and apply the sealant to the grommet (at * mark) properly.



- Check that hood lock control cable is properly engaged with hood lock.
- After installation, perform hood fitting adjustment. Refer to <u>DLK-424, "HOOD ASSEMBLY: Adjust-ment"</u>.
- After installation, perform hood lock control inspection. Refer to <u>DLK-460, "Inspection"</u>.
 HOOD LOCK CONTROL HANDLE

DLK

Α

В

D

Е

M

...

Ν

0

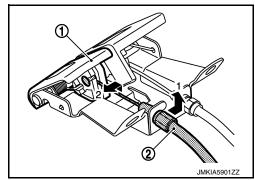
Revision: October 2015 DLK-459 2016 Quest

HOOD LOCK CONTROL HANDLE: Removal and Installation

INFOID:0000000012408963

REMOVAL

- 1. Remove mounting bolts, and then hood lock control handle.
- Remove fuel filler lid opener cable. Refer to <u>DLK-479</u>, "FUEL FILLER OPENER CABLE: Removal and <u>Installation"</u>.
- 3. Remove hood lock control cable (2) from hood lock opener lever (1).



INSTALLATION

Note the following item, and install in the reverse order of removal.

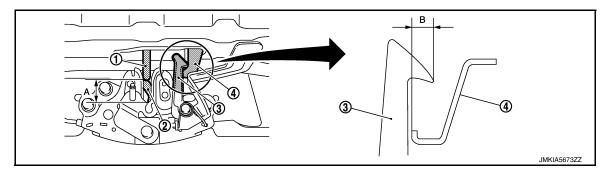
CAUTION:

After installation, perform hood lock control inspection. Refer to DLK-460, "Inspection".

Inspection INFOID:0000000012408964

NOTE:

If the hood lock cable is bent or deformed, replace it.



1. Primary striker

2. Primary latch

3. Secondary latch

- 4. Secondary striker
- Check that secondary latch (3) is securely engaged with securely secondary striker (4) from the dead load
 of the hood assembly.
- Check that primary latch (2) is securely engaged with primary striker (1) when hood assembly is closed [free-fall from approximately 200 mm (7.874 in) height].
 CAUTION:

Never free-fall hood assembly from a height of 300 (11.811 in) mm or more.

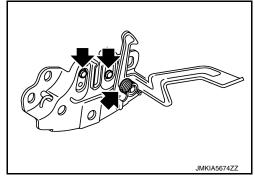
- 3. While operating the hood opener carefully, check that the front end of the hood is lifted by approximately 20 mm (0.787 in) (A). Also, check that the hood opener returns to the original position.
- Check that secondary latch is properly engaged with secondary striker [6.8 mm (0.268 in)] (B).

HOOD LOCK

< REMOVAL AND INSTALLATION >

5. Check the hood lock lubrication condition. If necessary, apply body grease to hood lock.

: Grease up point



Α

В

С

 D

Е

F

G

Н

J

DLK

L

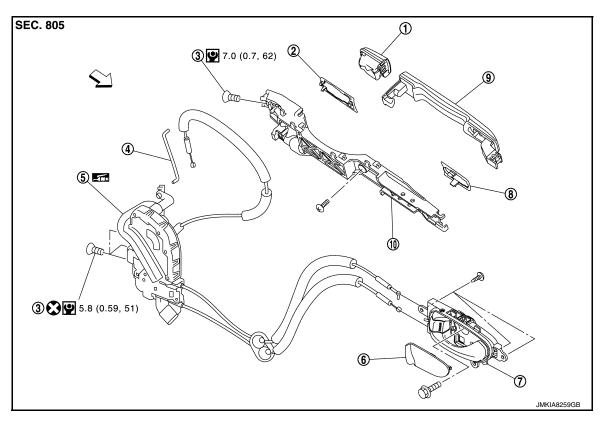
M

Ν

0

FRONT DOOR LOCK

Exploded View INFOID:0000000012408965



- 1. Door key cylinder assembly (driver
 - Outside handle escutcheon (passenger side)
- 4. Key rod (driver side)
- 7. Inside handle
- 10. Outside handle bracket
- : Always replace after every disassembly.
- : N·m (kg-m, in-lb)
- : Body grease

DOOR LOCK

DOOR LOCK: Removal and Installation

REMOVAL

- Remove outside handle and outside handle bracket. Refer to <u>DLK-463</u>, "OUTSIDE HANDLE: Removal and Installation".
- 2. Disconnect door lock actuator connector.
- Remove door lock assembly TORX bolts, and then remove door lock assembly.

2. Rear gasket

8. Front gasket

5. Door lock assembly

INSTALLATION

Revision: October 2015

Note the following items, and install in the reverse order of removal. **CAUTION:**

· Never reuse TORX bolt. Always replace it with a new one when it is removed.

3. TORX bolt

- 6. Inside handle cap
- 9. Outside handle

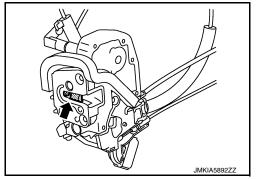
INFOID:0000000012408966

FRONT DOOR LOCK

< REMOVAL AND INSTALLATION >

- Check door open/close, lock/unlock operation after installation.
- Check door lock cable is properly engaged with outside handle bracket.
- Check door lock assembly for poor lubrication. Apply body grease to door lock if necessary.

: Grease up point



INSIDE HANDLE

INSIDE HANDLE: Removal and Installation

INFOID:0000000012408967

Α

В

D

Е

Н

REMOVAL

- 1. Remove front door finisher. Refer to INT-14, "Removal and Installation".
- 2. Remove inside handle mounting screws, and then remove the inside handle.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- · Check door lock cables are properly engaged with inside handle.
- After installation, check door open/close, lock/unlock operation.

OUTSIDE HANDLE

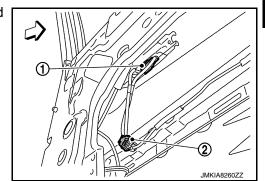
OUTSIDE HANDLE: Removal and Installation

INFOID:0000000012408968

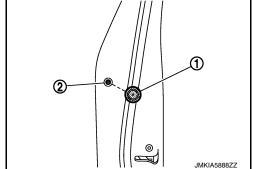
REMOVAL

- 1. Remove module base. Refer to GW-29, "Removal and Installation".
- 2. Disconnect key rod from door lock assembly (driver side).
- 3. Remove door antenna harness connector fixing clip (1), and then disconnect harness connector (2).

<□ : Vehicle front



4. Remove grommet (1) of door side. Loosen, through grommet hole, TORX bolt (2) that fixes door lock cylinder. (For passenger side, TORX bolt fixes outside handle escutcheon.)



DLK

N

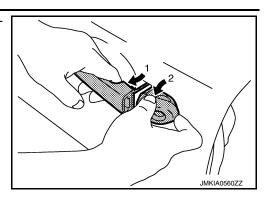
Р

Revision: October 2015 DLK-463 2016 Quest

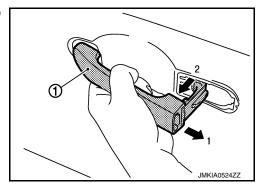
FRONT DOOR LOCK

< REMOVAL AND INSTALLATION >

While pulling outside handle, remove door key cylinder assembly (driver side) or outside handle escutcheon (passenger side).



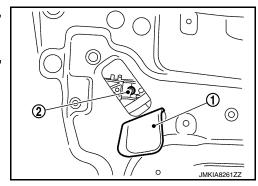
6. While pulling outside handle (1), slide toward rear of vehicle to remove outside handle.



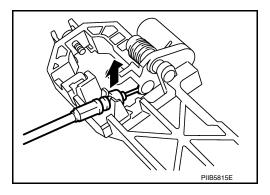
- 7. Remove front gasket and rear gasket.
- 8. Peel hole cover (1) carefully, and then remove TORX bolt (2), which is fixing outside handle bracket, through hole.

 CAUTION:

When affixing hole cover, if affixing force is insufficient, replace hole cover.



- 9. Slide outside handle bracket toward front of vehicle to remove.
- 10. Disconnect outside handle cable from outside handle bracket.

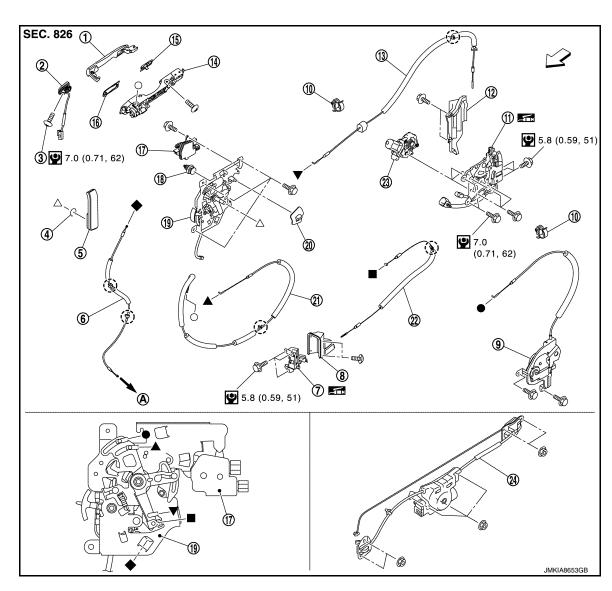


INSTALLATION

Note the following items, and then install in the reverse order of removal. **CAUTION:**

- · When installing key rod, rotate key rod holder until a click is felt.
- · Check door lock cable is properly engaged with outside handle bracket.
- After installation, check door open/close, lock/unlock operation.

Exploded View



- Outside handle assembly
- 4. Snap pin
- 7. Slide door lock assembly (front)
- 10. Cable clip
- 13. Slide door lock cable (rear)
- 16. Front gasket
- 19. Remote control assembly
- 22. Slide door lock cable (front)
- A : To lower latch
- () : Clip
- ⟨⇒ : Vehicle front
- : N·m (kg-m, in-lb)
- : Body grease

- 2. Outside handle escutcheon
- 5. Inside handle
- 8. Slide door lock cover (front)
- 11. Slide door lock assembly (rear)
- 14. Outside handle bracket
- 17. Slide door lock actuator
- 20. Lock knob
- 23. Slide door closure motor

- 3. TORX bolt
- 6. Remote control door lock cable
- 9. Slide door lock release actuator
- 12. Slide door lock cover (rear)
- 15. Rear gasket
- 18. Clip
- 21 Outside handle cable
- 24. Automatic sliding door unit

0

Α

В

D

Е

F

Н

DLK

M

Ν

Р

●, ▲, ■: Indicates that the part is connected at points with same symbol in actual vehicle.

CAUTION:

< REMOVAL AND INSTALLATION >

- Apply anticorrosive agent onto the mounting surface.
- During removal and installation, work so as not to bend the ends of the cable.
- After installation, check door open/close, lock/unlock operation.
- Check door lock assembly for poor lubrication. Apply body grease to door lock if necessary.

DOOR LOCK

DOOR LOCK: Removal and Installation

INFOID:0000000012408970

SLIDE DOOR LOCK ASSEMBLY (FRONT)

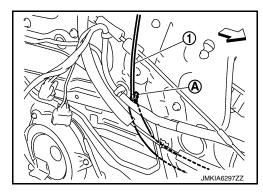
Removal

- Fully close the slide door glass.
- Remove remote control assembly. Refer to <u>DLK-472, "REMOTE CONTROL ASSEMBLY: Removal and Installation"</u>.
- Remove lock release actuator. Refer to <u>DLK-473</u>, "<u>LOCK RELEASE ACTUATOR</u>: <u>Removal and Installation</u>".
- 4. Remove sealing screen.

NOTE:

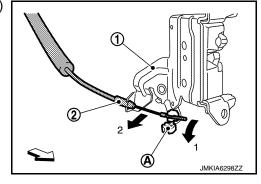
Cut the butyl-tape so that some parts of the butyl-tape do not remain on the sealing screen, if the sealing screen is reused.

5. Remove cable fixing clip (A) of slide door lock cable (1).



- Remove mounting bolt, and then remove slide door lock assembly (front) and slide door lock cable (front) as a set.
- 7. Disconnect slide door lock cable (front) from slide door lock assembly (front).
- a. Remove fixing screw, and then remove slide door lock cover (front)
- b. Open cable mounting clip (A) of slide door lock assembly (front) (1).
- c. Disconnect slide door lock cable (front) (2).





Installation

Note the following items, and then install in the reverse order of removal. **CAUTION:**

- Always adjust cable when assembling slide door lock cable (front) to slide door lock assembly (front). Refer to <u>DLK-468</u>, "<u>DOOR LOCK</u>: <u>Inspection and Adjustment"</u>.
- After installation, check door open/close, lock/unlock operation.

SLIDE DOOR LOCK ASSEMBLY (REAR)

Removal

Fully close the slide door glass.

Revision: October 2015 DLK-466 2016 Quest

< REMOVAL AND INSTALLATION >

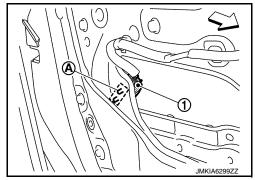
- 2. Remove remote control assembly. Refer to <u>DLK-472</u>, "<u>REMOTE CONTROL ASSEMBLY</u>: <u>Removal and Installation</u>".
- 3. Remove lock release actuator. Refer to DLK-473, "LOCK RELEASE ACTUATOR: Removal and Installation".
- 4. Remove sealing screen.

NOTE:

Cut the butyl-tape so that some parts of the butyl-tape do not remain on the sealing screen, if the sealing screen is reused.

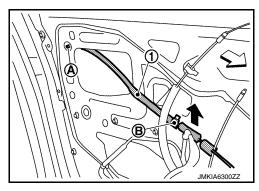
5. Remove harness connector fixing clip (A), and then disconnect slide door lock assembly harness connector (1).

: Vehicle front

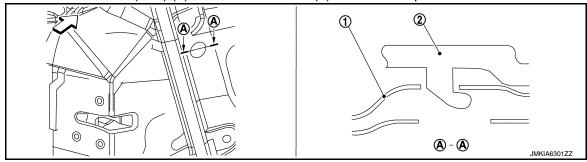


- Remove cable fixing clip (A)
- 7. Disengage slide door lock cable (rear) (1) from cable clip (B).

⟨
⇒ : Vehicle front



- 8. Remove door lower sash (rear) of slide door glass. Refer to GW-32, "Exploded View".
- 9. Remove mounting bolt, and then remove slide door lock assembly (rear) and slide door lock cable (rear) as a set.
- a. Remove slide door lock (rear) mounting bolts.
- b. Remove slide door lock (rear) (2) from reinforcement (1) of slide door panel



- : Vehicle front
- Disconnect slide door lock cable (rear) from slide door lock assembly (rear).
- Remove fixing screw, and then remove slide door lock cover (rear)

DLK

J

Α

В

C

D

Е

Н

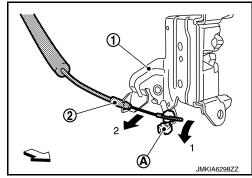
IV

Ν

О

< REMOVAL AND INSTALLATION >

- b. Open cable mounting clip (A) of slide door lock assembly (rear) (1).
- c. Disconnect slide door lock cable (rear) (2).
 - : Vehicle front



- 11. Remove slide door closure motor from slide door lock assembly (rear).
- Disconnect harness connector of slide door closure motor.
- b. Remove mounting molts, and then slide door closure motor.

Installation

Note the following items, and then install in the reverse order of removal.

CAUTION:

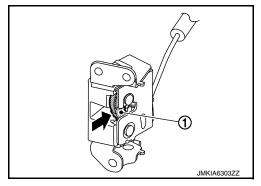
- Always adjust cable when assembling slide door lock cable (rear) to slide door lock assembly (rear).
 Refer to DLK-468, "DOOR LOCK: Inspection and Adjustment".
- After installation, check door open/close, lock/unlock operation.

DOOR LOCK: Inspection and Adjustment

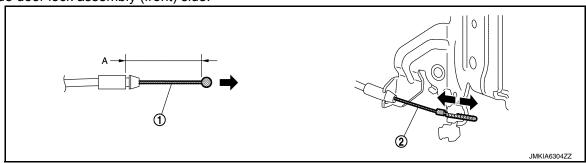
INFOID:0000000012408971

ADJUSTMENT OF SLIDE DOOR LOCK CABLE (FRONT)

- Temporarily install slide door lock cable (front) to slide door lock assembly (front).
- 2. Set claw (1) of slide door lock assembly (front) to full latch status. (Press until it clicks.)



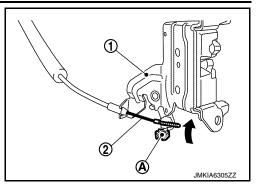
3. Pull lightly inner cable (1) of remote control assembly side in the direction indicated by arrow as shown in the figure so that play is eliminated. With play eliminated, adjust projection (A) by moving inner cable (2) of slide door lock assembly (front) side.



A : 45.8 – 47.2 mm (1.803 – 1.852 in)

< REMOVAL AND INSTALLATION >

4. After the adjustment, close cable mounting clip (A) of slide door lock assembly (front) (1) and fix inner cable (2).



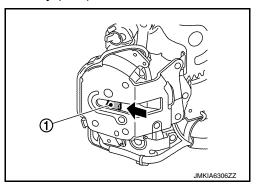
CAUTION:

Check the following items after assembling slide door lock assembly (front) to slide door panel.

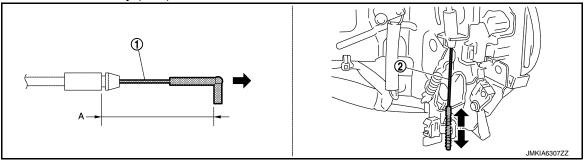
- Check that there is no slack in remote control assembly and inner cable.
- Check that no pulling tension by inner cable is applied to lever of remote control assembly.

ADJUSTMENT OF SLIDE DOOR LOCK CABLE (REAR)

- 1. Temporarily install slide door lock cable (rear) to slide door lock assembly (rear).
- 2. Set claw (1) of slide door lock assembly (front) to full latch status. (Press until it clicks.)

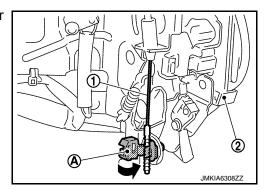


3. Pull lightly inner cable (1) of remote control assembly side in the direction indicated by arrow as shown in the figure so that play is eliminated. With play eliminated, adjust projection (A) by moving inner cable (2) of slide door lock assembly (rear) side.



A : 49.5 – 50.9 mm (1.949 – 2.004 in)

 After the adjustment, close cable mounting clip (A) of slide door lock assembly (front) (2) and fix inner cable (1).



CAUTION:

DLK

J

Α

В

D

Е

F

Н

IVI

Ν

0

< REMOVAL AND INSTALLATION >

Check the following items after assembling slide door lock assembly (rear) to slide door panel.

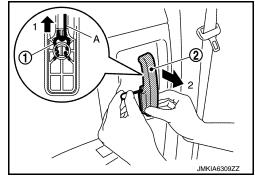
- Check that there is no slack in remote control assembly and inner cable.
- Check that no pulling tension by inner cable is applied to lever of remote control assembly.
 INSIDE HANDLE

INSIDE HANDLE: Removal and Installation

INFOID:0000000012408972

REMOVAL

- Hang snap pin (1) on hook and pick tool (A) and pull it up to remove.
- 2. Remove inside handle (2)



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, check door open/close, lock/unlock operation.

OUTSIDE HANDLE

OUTSIDE HANDLE: Removal and Installation

INFOID:0000000012408973

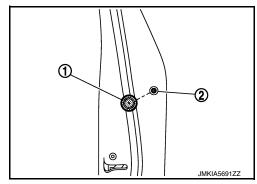
REMOVAL

- Fully close slide door glass.
- 2. Remove remote control assembly. Refer to <u>DLK-472, "REMOTE CONTROL ASSEMBLY: Removal and Installation".</u>
- 3. Remove upper side of sealing screen.

NOTE:

Cut the butyl-tape so that some parts of the butyl-tape do not remain on the sealing screen, if the sealing screen is reused.

- 4. Remove fixing clip of sliding door one-touch open/close switch harness connector, and then disconnect sliding door one-touch open/close switch harness connector.
- 5. Remove grommet (1) door side. Loosen, through grommet hole, TORX bolt (2) that fixes outside handle escutcheon.

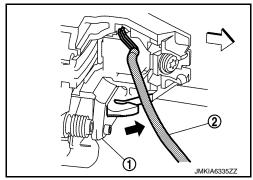


6. Remove outside handle escutcheon.

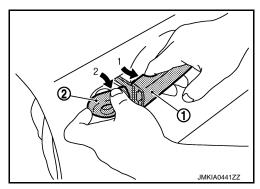
< REMOVAL AND INSTALLATION >

a. Disconnect sliding door one-touch open/close switch harness connector (2) from outside handle bracket (1).

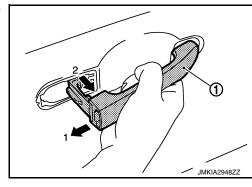
⟨⇒ : Vehicle front



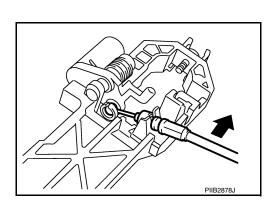
b. While pulling outside handle (1), remove outside handle escutcheon (2).



7. While pulling outside handle (1), slide toward front of vehicle to remove outside handle.



- 8. Remove front gasket and rear gasket.
- 9. Through the hole, remove TORX bolt that is fixing outside handle bracket.
- 10. Slide outside handle bracket toward rear of vehicle to remove.
- 11. Disconnect outside handle cable from outside handle bracket.



INSTALLATION

Note the following item, and then install in the reverse order of removal.

After installation, check door open/close, lock/unlock operation. REMOTE CONTROL ASSEMBLY

DLK

Α

В

D

Е

F

Н

M

Ν

0

REMOTE CONTROL ASSEMBLY: Removal and Installation

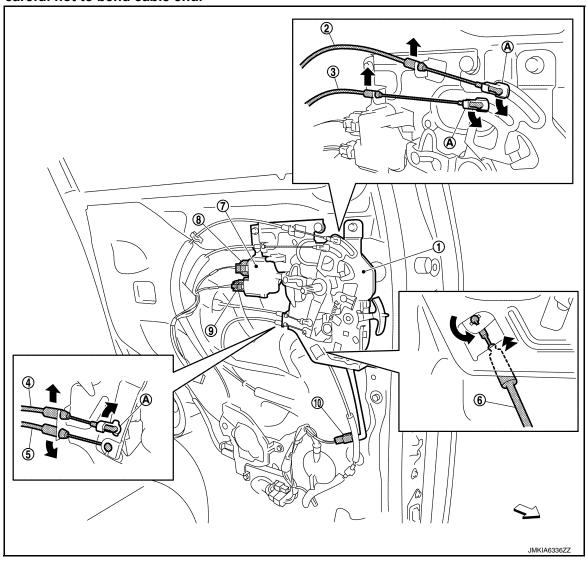
INFOID:0000000012408974

REMOVAL

- 1. Remove slide door finisher. Refer to INT-17, "Removal and Installation".
- 2. Pull lock knob toward passenger room side and remove.
- Disengage cable holder (A), and then separate lock release actuator cable (2), outside handle cable (3), slide door lock cable (rear) (4), slide door lock cable (front) (5) and lower latch cable (6) from remote control assembly (1).

CAUTION:

Be careful not to bend cable end.



- 4. Disconnect harness connector (8) and (9) (automatic sliding door models) of slide door lock actuator (7).
- 5. Disconnect remote control assembly harness connector (10) (automatic sliding door models).
- Remove mounting bolts and mounting clips. Remove remote control assembly and slide door lock actuator as a set.

INSTALLATION

Note the following item, and then install in the reverse order of removal. **CAUTION:**

After installation, check door open/close, lock/unlock operation. LOCK RELEASE ACTUATOR

< REMOVAL AND INSTALLATION >

LOCK RELEASE ACTUATOR: Removal and Installation

INFOID:0000000012408975

Α

В

D

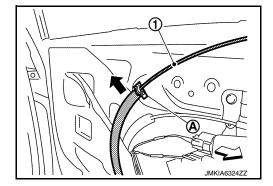
Е

Н

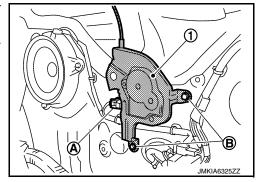
REMOVAL

- 1. Remove slide door finisher. Refer to INT-17, "Removal and Installation".
- Disconnect cable of lock release actuator from remote control assembly. Refer to DLK-472, "REMOTE CONTROL ASSEMBLY: Removal and Installation".
- 3. Disengage lock release actuator cable (1) from cable clip (A).

⟨⇒ : Vehicle front



- Disconnect harness connector (A) from lock release actuator
- 5. Remove mounting bolts (B), and then remove lock release actuator



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, check door open/close, lock/unlock operation.

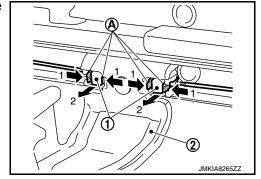
AUTOMATIC SLIDING DOOR UNIT

AUTOMATIC SLIDING DOOR UNIT: Removal and Installation

INFOID:0000000012408976

REMOVAL

- 1. Remove luggage side lower finisher. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 2. Remove rear ventilator pillar duct. Refer to VTL-8, "Exploded View". (automatic sliding door unit RH only)
- 3. Separate rear roller from slide door assembly. Refer to DLK-441, "REAR ROLLER: Removal and Installation".
- 4. Disconnect cable holder of automatic sliding door unit from rear roller.
- Disengage pawl (A) of cable holder (1), and then remove cable holder from rear roller (2).



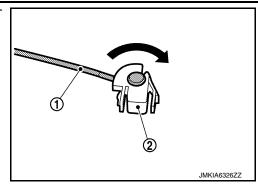
DLK

Ν

0

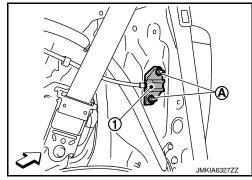
< REMOVAL AND INSTALLATION >

b. Remove cable holder (2) from cable (1) of automatic sliding door



 Remove mounting nut (A) of front pulley (1), and then pull front side cable of automatic sliding door unit into the vehicle.
 CAUTION:

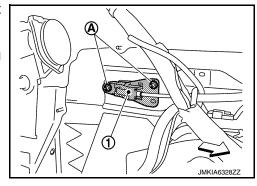
Be careful not to damage body paint surface when pulling cable into the vehicle.



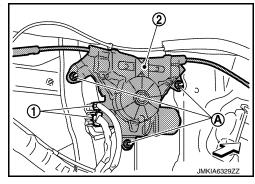
 Remove mounting nut (A) of rear pulley (1), and then pull front side cable of automatic sliding door unit into the vehicle.
 CAUTION:

Be careful not to damage body paint surface when pulling cable into the vehicle.

 \triangleleft : Vehicle front



- 7. Disconnect harness connector (1) from automatic sliding door unit (2).
- 8. Remove mounting nuts (A), and then remove automatic sliding door unit.



INSTALLATION

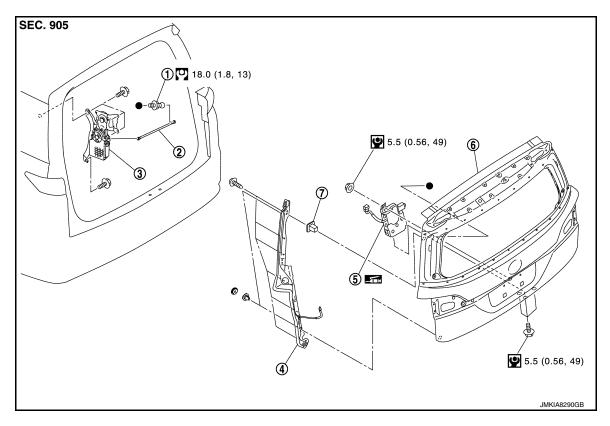
Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, check door open/close, lock/unlock operation.

BACK DOOR LOCK

Exploded View



2. Back door support rod

Back door lock assembly

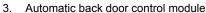
- 1. Stud ball
- 4. Touch sensor
- 7. Screw grommet
- : N·m (kg-m, in-lb)
- : N·m (kg-m, ft-lb)
- : Body grease
- Indicates that the part is connected at points with same symbol in actual vehicle.

DOOR LOCK

DOOR LOCK: Removal and Installation

REMOVAL

- 1. Remove back door lower finisher. Refer to INT-48, "BACK DOOR LOWER FINISHER: Removal and <a href="Installation".
- 2. Disconnect harness connector (1), and then remove harness fixing clip (A) and harness connector fixing clip.



6. Back door assembly

DLK

J

Α

В

D

Е

Н

M

INFOID:0000000012408978

Ν

0

BACK DOOR LOCK

< REMOVAL AND INSTALLATION >

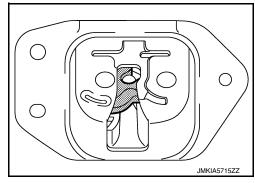
Remove back door lock mounting bolts and nut, and then remove back door lock assembly.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Check back door open/close, lock/unlock operation after installation.
- Check door lock assembly for poor lubrication. Apply body grease to door lock if necessary.



BACK DOOR SUPPORT ROD

BACK DOOR SUPPORT ROD : Removal and Installation

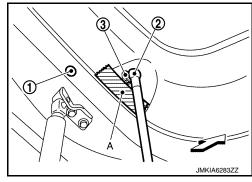
INFOID:0000000012408979

REMOVAL

1. Remove stud ball (3) of back door support rod (2) from back door assembly (1).

CAUTION:

Apply protective tape (A) on the door panel to protect the painted surface from damage.



Remove automatic back door control module. Refer to <u>DLK-494, "Removal and Installation"</u>.

When replacing back door support rod, replace stud ball and automatic back door control module as a set, since back door support rod is engaged and connected to stud ball and automatic back door control module.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- When reusing stud ball, always apply locking sealant before installing stud ball to back door.
- Check back door open/close operation after installation.

TOUCH SENSOR

TOUCH SENSOR: Removal and Installation

INFOID:0000000012408980

CAUTION:

Take care not to bend touch sensor.

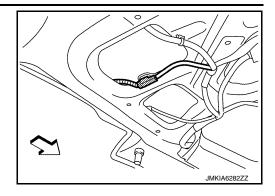
REMOVAL

- 1. Remove back door lower finisher. Refer to INT-48, "BACK DOOR LOWER FINISHER: Removal and Installation".
- Disconnect touch sensor harness connector.

BACK DOOR LOCK

< REMOVAL AND INSTALLATION >

: Vehicle front

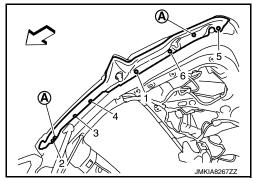


- 3. Remove fixing clips and screws of touch sensor.
- 4. Pull harness of touch sensor out of back door and remove touch sensor.

INSTALLATION

Note the following items, and then install in the reverse order of removal. **CAUTION:**

• After installing touch sensor using fixing clips (A), tighten fixing screws in numerical order as shown in the figure.



• Check back door open/close operation after installation.

EMERGENCY LÉVER

EMERGENCY LEVER: Unlock procedures

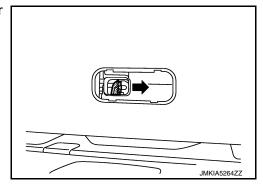
INFOID:0000000012408981

UNLOCK PROCEDURES

NOTE:

If back door lock cannot be unlocked due to a malfunction or battery discharge, follow the procedures to unlock back door.

- Remove the emergency lid. Refer to <u>INT-50</u>, "EMERGENCY LID: Removal and Installation".
- 2. From inside the vehicle, rotate emergency lever toward lower direction and unlock.



DLK

Α

В

D

Е

Н

L

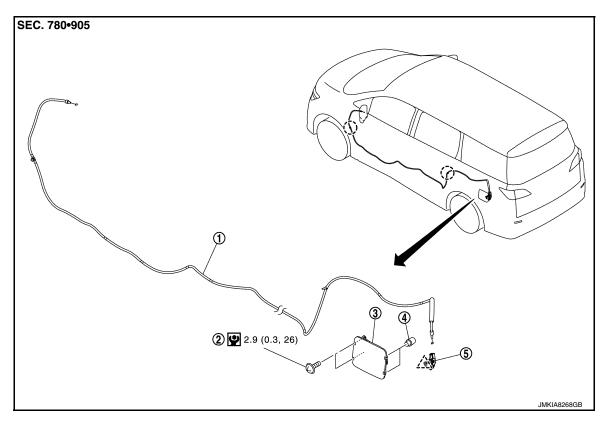
N

Ν

0

FUEL FILLER LID OPENER

Exploded View



- 1. Fuel filler lid opener cable
- 4. Bumper rubber
- (☐) : Clip
 ∴ : Pawl
- : N·m (kg-m, in-lb)

- 2. TORX bolt
- 5. Fuel filler lid lock assembly
- 3. Fuel filler lid assembly

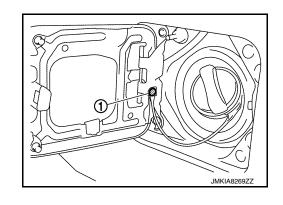
CAUTION:

After installation, check fuel filler lid assembly open/close, lock/unlock operation. FUEL FILLER LID $\,$

FUEL FILLER LID: Removal and Installation

REMOVAL

- 1. Fully open fuel filler lid.
- 2. Remove fuel mounting pin (1).



INFOID:0000000012408983

FUEL FILLER LID OPENER

< REMOVAL AND INSTALLATION >

Remove mounting screws, and then remove fuel filler lid.

INSTALLATION

Note the following item, and install in the reverse order of removal.

CAUTION:

After installation, check fuel filler lid assembly open/close, lock/unlock operation. NOTE:

- The following table shows the specified values for checking normal installation status.
- Fitting adjustment cannot be performed.

	Clearance	Evenness
Fuel filler lid – Body side outer	2.0 – 4.0 mm (0.079 – 0.157 in)	(-1.0) – (+1.0) mm [(-0.039) – (+0.039) in]

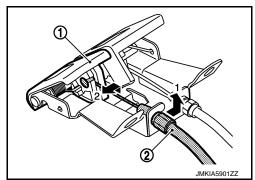
FUEL FILLER OPENER CABLE

FUEL FILLER OPENER CABLE: Removal and Installation

INFOID:0000000012408984

REMOVAL

- Remove hood lock control handle from instrument lower panel LH. Refer to <u>DLK-460</u>, "HOOD LOCK **CONTROL HANDLE: Removal and Installation".**
- Remove fuel filler lid opener cable (2) from fuel filler lid opener lever (1).



- 3. Remove front kicking plate LH and rear kicking plate LH. Refer to INT-22, "KICKING PLATE: Removal and Installation".
- Remove dash side finisher LH. Refer to INT-24, "DASH SIDE FINISHER: Removal and Installation".
- Remove center pillar lower garnish LH. Refer to INT-25, "CENTER PILLAR LOWER GARNISH: Removal and Installation".
- 6. Remove luggage side lower finisher LH. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 7. Remove fuel filler lid opener cable from fuel filler lid lock assembly. Refer to DLK-479, "FUEL FILLER LID LOCK: Removal and Installation".
- Remove fuel filler lid opener cable from each harness clamp of body harness.
- 9. Remove fuel filler lid opener cable fixing clips, and then remove fuel filler lid opener cable.

INSTALLATION

Note the following item, and install in the reverse order of removal.

CAUTION:

After installation, check fuel filler lid assembly open/close, lock/unlock operation.

FUEL FILLER LID LOCK

FUEL FILLER LID LOCK: Removal and Installation

INFOID:0000000012408985

REMOVAL

- 1. Fully open fuel filler lid.
- Remove luggage side lower finisher LH. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".

DLK

Α

В

D

Е

Н

Ν

P

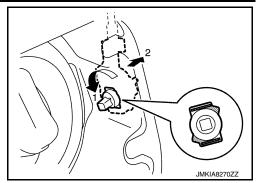
FUEL FILLER LID OPENER

< REMOVAL AND INSTALLATION >

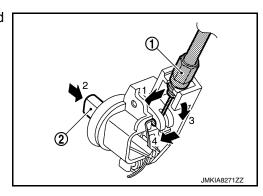
Rotate and disengage fuel filler lid lock assembly, and then remove fuel filler lid lock assembly.

NOTE:

Operation is performed easily when rotating fuel filler lid lock from passenger room side.



4. Disengage fuel filler lid opener cable (1). Remove fuel filler lid opener cable while pressing stopper pin (2).



INSTALLATION

Note the following item, and install in the reverse order of removal.

CAUTION:

After installation, check fuel filler lid assembly open/close, lock/unlock operation.

INTERLOCK

Exploded View

- Fuel filler inter lock assembly
- 2. Slide door inter lock

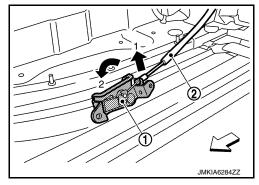
- () : Clip
- : N·m (kg-m, ft-lb)

SLIDE DOOR INTERLOCK

SLIDE DOOR INTERLOCK: Removal and Installation

REMOVAL

- 1. Remove rear floor step assembly. Refer to INT-20, "Exploded View".
- 2. Remove slide door interlock mounting nuts.
- 3. Disconnect cable (2) of fuel filler interlock assembly from slide door interlock (1).



INSTALLATION

Note the following items, and install in the reverse order of removal.

CAUTION:

- After installation, check slide door open/close operation.
- After installation, check fuel filler lid lock/unlock operation.

FUEL FILLER INTERLOCK

FUEL FILLER INTERLOCK: Removal and Installation

REMOVAL

Remove slide door interlock. Refer to <u>DLK-481, "SLIDE DOOR INTERLOCK: Removal and Installation"</u>.

Revision: October 2015 DLK-481 2016 Quest

С

В

Α

INFOID:0000000012408986

D

Е

C

G

Н

INFOID:0000000012408987

J

DLK

 \mathbb{N}

N.I.

0

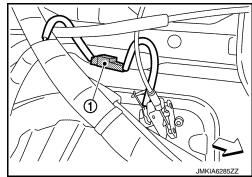
Р

INFOID:0000000012408988

INTERLOCK

< REMOVAL AND INSTALLATION >

- Remove luggage side lower finisher. Refer to <u>INT-43</u>, "<u>LUGGAGE SIDE LOWER FINISHER</u>: Removal and Installation".
- 3. Disconnect fuel filler lid status switch connector (1), and then remove harness connector fixing clip.



4. Fully open fuel filler lid.

CAUTION:

Check in advance that fuel filler lid does not interfere with slide door.

- 5. Remove fuel filler interlock assembly mounting nut.
- Remove cable fixing clips of fuel filler inter lock, and then remove fuel filler inter lock assembly.

INSTALLATION

Note the following items, and install in the reverse order of removal.

CAUTION:

- After installation, check slide door open/close operation.
- After installation, check fuel filler lid lock/unlock operation.

KEY CYLINDER GLOVE BOX LID KEY CYLINDER

GLOVE BOX LID KEY CYLINDER: Exploded View

INFOID:0000000012408989

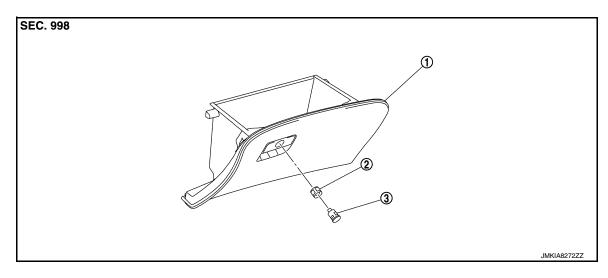
Α

В

D

Е

Н



1. Glove box assembly

2. Sleeve

3. Glove box lid lock cylinder

CAUTION:

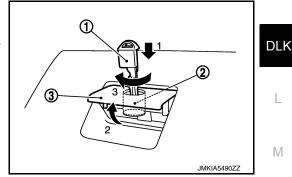
After installation, check glove box assembly open/close, lock/unlock operation.

GLOVE BOX LID KEY CYLINDER: Removal and Installation

INFOID:0000000012408990

REMOVAL

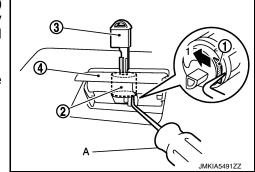
- 1. Remove glove box assembly. Refer to IP-14, "Removal and Installation".
- 2. Insert mechanical key (1) into glove box lid lock cylinder (2).
- 3. Set glove box lid release handle (3) to the pulled-up status.
- 4. Rotate mechanical key and turn glove box lid key cylinder to the lock position.



5. Press tumbler stopper (1) into glove box lid lock cylinder (2) using a hook and pick tool (A), and then remove mechanical key (3) and glove box lid lock cylinder together from glove box lid release handle (4).

NOTE:

When removing glove box lid lock cylinder, write a short note describing its position against glove box lid release handle.



M

Ν

KEY CYLINDER

< REMOVAL AND INSTALLATION >

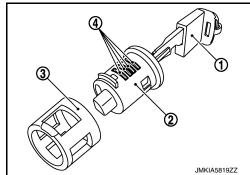
6. Remove sleeve (3) from glove box lid release handle, and then install sleeve to glove box lid lock cylinder.

NOTE:

When removing sleeve, write a short note describing its position against glove box lid release handle.

CAUTION:

Never pull out mechanical key (1) from glove box lid lock cylinder (2) while sleeve is uninstalled. Otherwise, tumbler (4) pops out of glove box lid lock cylinder.



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, check glove box assembly open/close, lock/unlock operation.

DOOR SWITCH

< REMOVAL AND INSTALLATION >

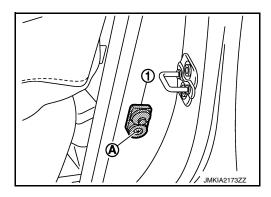
DOOR SWITCH

Removal and Installation

INFOID:0000000012408991

REMOVAL

Remove the TORX bolt (A), and then remove door switch (1).



INSTALLATION

Install in the reverse order of removal.

G

F

Α

В

 D

Е

Н

J

DLK

L

M

Ν

0

DOOR REQUEST SWITCH

< REMOVAL AND INSTALLATION >

DOOR REQUEST SWITCH

DRIVER SIDE

DRIVER SIDE: Removal and Installation

INFOID:0000000012408992

REMOVAL

Remove the driver side outside handle. Refer to <u>DLK-463</u>, "OUTSIDE HANDLE: Removal and Installation".

INSTALLATION

Install in the reverse order of removal.

PASSENGER SIDE

PASSENGER SIDE: Removal and Installation

INFOID:0000000012408993

REMOVAL

Remove the passenger side outside handle. Refer to <u>DLK-463, "OUTSIDE HANDLE : Removal and Installation"</u>.

INSTALLATION

Install in the reverse order of removal.

BACK DOOR

BACK DOOR: Removal and Installation

INFOID:0000000012408994

REMOVAL

Remove the back door finisher. Refer to EXT-47, "Removal and Installation".

INSTALLATION

INSIDE KEY ANTENNA

< REMOVAL AND INSTALLATION >

INSIDE KEY ANTENNA INSTRUMENT CENTER

INFOID:0000000012408995

Α

В

D

Е

F

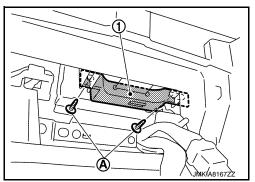
INSTRUMENT CENTER: Removal and Installation

REMOVAL

- 1. Remove the instrument lower center panel. Refer to IP-14, "Removal and Installation".
- 2. Remove the inside key antenna (instrument center) mounting screw (A), and then remove inside key antenna (instrument center) (1).

CAUTION:

Be careful not to drop mounting screw (A) into instrument panel.



INSTALLATION

Install in the reverse order of removal.

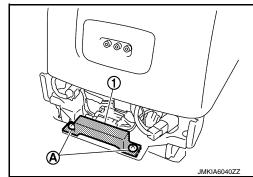
CONSOLE

CONSOLE: Removal and Installation

INFOID:0000000012408996

REMOVAL

- Remove the console body assembly. Refer to <u>IP-28</u>, "Removal and Installation".
- 2. Remove the inside key antenna (console) mounting screw (A), and then remove inside key antenna (console) (1).



DLK

L

M

INSTALLATION

Install in the reverse order of removal.

LUGGAGE ROOM

LUGGAGE ROOM: Removal and Installation

INFOID:0000000012408997

REMOVAL

1. Remove the rear floor carpet. Refer to INT-31, "REAR FLOOR CARPET: Removal and Installation".

Р

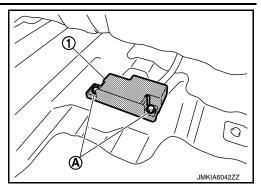
0

Revision: October 2015 DLK-487 2016 Quest

INSIDE KEY ANTENNA

< REMOVAL AND INSTALLATION >

2. Remove the inside key antenna (luggage room) mounting screw (A), and then remove inside key antenna (luggage room) (1).



INSTALLATION

OUTSIDE KEY ANTENNA

< REMOVAL AND INSTALLATION >

OUTSIDE KEY ANTENNA

DRIVER SIDE

DRIVER SIDE: Removal and Installation

INFOID:0000000012408998

Α

В

D

Е

F

Н

REMOVAL

Remove the driver side outside handle. Refer to <u>DLK-463</u>, "OUTSIDE HANDLE: Removal and Installation".

INSTALLATION

Install in the reverse order of removal.

PASSENGER SIDE

PASSENGER SIDE: Removal and Installation

INFOID:0000000012408999

REMOVAL

Remove the passenger side outside handle. Refer to <u>DLK-463, "OUTSIDE HANDLE : Removal and Installation"</u>.

INSTALLATION

Install in the reverse order of removal.

REAR BUMPER

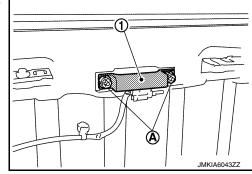
REAR BUMPER: Removal and Installation

INFOID:0000000012409000

REMOVAL

1. Remove the rear bumper fascia. Refer to EXT-16, "REAR BUMPER: Removal and Installation".

2. Remove the outside key antenna (rear bumper) mounting clip (A), then remove outside key antenna (rear bumper) (1).



DLK

INSTALLATION

Install in the reverse order of removal.

N

M

0

Р

Revision: October 2015 DLK-489 2016 Quest

INTELLIGENT KEY WARNING BUZZER

< REMOVAL AND INSTALLATION >

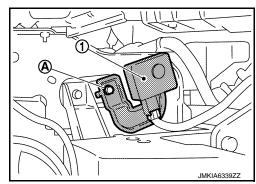
INTELLIGENT KEY WARNING BUZZER

Removal and Installation

INFOID:0000000012409001

REMOVAL

- 1. Remove the front bumper fascia. Refer to EXT-12, "Removal and Installation".
- 2. Remove the Intelligent Key warning buzzer mounting bolt (A), and then remove the Intelligent Key warning buzzer (1).



INSTALLATION

REMOTE KEYLESS ENTRY RECEIVER

< REMOVAL AND INSTALLATION >

REMOTE KEYLESS ENTRY RECEIVER

Removal and Installation

INFOID:0000000012409002

Α

В

C

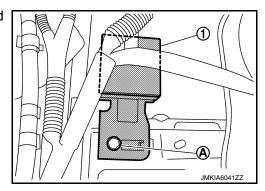
D

Е

F

REMOVAL

- 1. Remove the headlining assembly. Refer to INT-35, "Removal and Installation"
- 2. Disconnect remote keyless entry receiver harness connector.
- 3. Remove the remote keyless entry receiver mounting bolt (A), and then remote keyless entry receiver (1).



INSTALLATION

Install in the reverse order of removal.

G

Н

J

DLK

L

M

Ν

0

INTELLIGENT KEY BATTERY

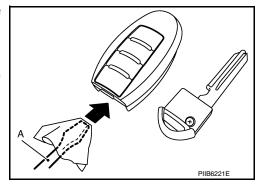
< REMOVAL AND INSTALLATION >

INTELLIGENT KEY BATTERY

Removal and Installation

Release the lock knob at the back of the Intelligent Key and remove the mechanical key.

- Insert a remover tool (A) wrapped with a cloth into the slit of the corner and twist it to separate the upper part from the lower part. CAUTION:
 - · Do not touch the circuit board or battery terminal.
 - The key fob is water-resistant. However, if it does get wet, immediately wipe it dry.



INFOID:0000000012409003

3. Replace the battery with new one.

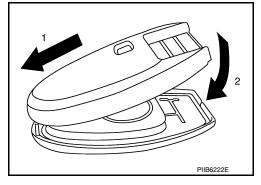
Battery replacement

: Coin-type lithium battery (CR2025)

4. Align the tips of the upper and lower parts, and then push them together until it is securely closed.

CAUTION:

- When replacing battery, keep dirt, grease, and other foreign materials off the electrode contact area.
- After replacing the battery, check that all Intelligent Key functions work normally.



BACK DOOR CONTROL UNIT

< REMOVAL AND INSTALLATION >

BACK DOOR CONTROL UNIT

Removal and Installation

INFOID:0000000012409004

Α

В

C

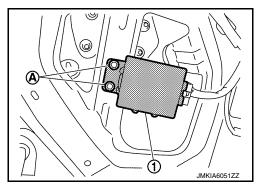
 D

Е

F

REMOVAL

- 1. Remove the back door lower finisher. Refer to INT-48, "BACK DOOR LOWER FINISHER: Removal and Installation".
- 2. Remove the back door control unit mounting bolt (A), and then remove the back door control unit (1).



INSTALLATION

Install in the reverse order of removal.

G

Н

J

DLK

IVI

Ν

0

AUTOMATIC BACK DOOR CONTROL MODULE

< REMOVAL AND INSTALLATION >

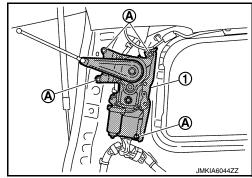
AUTOMATIC BACK DOOR CONTROL MODULE

Removal and Installation

INFOID:0000000012409005

REMOVAL

- 1. Remove the back pillar garnish LH. Refer to INT-27, "BACK PILLAR GARNISH: Removal and Installation".
- 2. Remove the back door support rod. Refer to <u>DLK-476, "BACK DOOR SUPPORT ROD : Removal and Installation"</u>.
- 3. Remove the automatic back door control module mounting bolt (A), and then remove the automatic back door control module (1).



INSTALLATION

Install in the reverse order of removal.

NOTE:

After installing automatic back door control module, perform additional service when replace control unit. Refer to <u>DLK-175</u>, "Work <u>Procedure"</u>.

AUTOMATIC BACK DOOR WARNING BUZZER

< REMOVAL AND INSTALLATION >

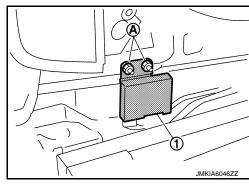
AUTOMATIC BACK DOOR WARNING BUZZER

Removal and Installation

INFOID:0000000012409006

REMOVAL

- 1. Remove the rear bumper fascia. Refer to EXT-16, "REAR BUMPER: Removal and Installation".
- 2. Remove the automatic back door warning buzzer mounting bolt (A), and then remove the automatic back door warning buzzer (1).



INSTALLATION

Install in the reverse order of removal.

G

Α

В

C

D

Е

Н

J

DLK

L

M

Ν

0

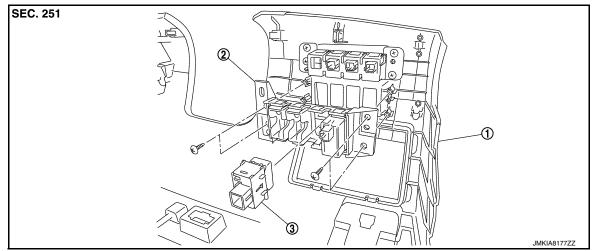
AUTOMATIC DOOR MAIN SWITCH

< REMOVAL AND INSTALLATION >

AUTOMATIC DOOR MAIN SWITCH

Exploded View

INFOID:0000000012409007



- 1. Instrument lower panel LH
- 2. Switch bracket lower
- 3. Automatic door main switch

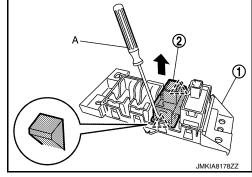
Removal and Installation

INFOID:0000000012409008

REMOVAL

- 1. Remove the instrument lower panel LH. Refer to IP-14, "Removal and Installation".
- 2. Removed automatic door main switch (1) from switch bracket lower (2) using remover tool (A).





INSTALLATION

AUTOMATIC BACK DOOR CLOSE SWITCH

< REMOVAL AND INSTALLATION >

AUTOMATIC BACK DOOR CLOSE SWITCH

Removal and Installation

INFOID:0000000012409009

Α

В

C

D

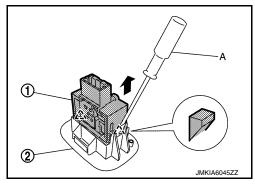
Е

F

REMOVAL

- Remove the automatic back door close switch finisher. Refer to <u>INT-48</u>, "BACK DOOR LOWER FIN-ISHER: Removal and Installation".
- 2. Remove automatic back door close switch (1) from automatic back door close switch finisher (2) using remover tool (A).





INSTALLATION

Install in the reverse order of removal.

Н

J

DLK

L

M

Ν

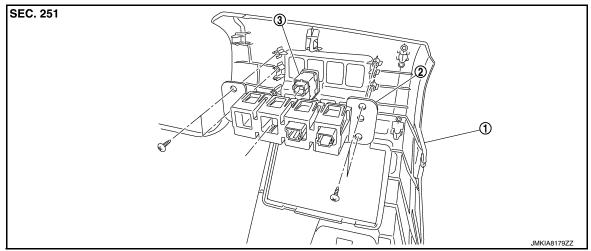
0

AUTOMATIC BACK DOOR SWITCH

AUTOMATIC BACK DOOR SWITCH

Exploded View

INFOID:0000000012409010



- 1. Instrument lower panel LH
- Switch bracket upper
- 3. Automatic door switch

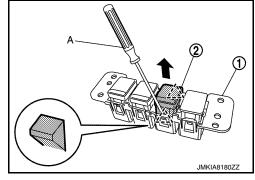
Removal and Installation

INFOID:0000000012409011

REMOVAL

- 1. Remove the instrument driver lower panel. Refer to IP-14, "Removal and Installation".
- 2. Remove automatic back door switch (1) from switch bracket (2) using remover tool (A).





INSTALLATION

SLIDING DOOR CONTROL UNIT

< REMOVAL AND INSTALLATION >

SLIDING DOOR CONTROL UNIT

RH

RH: Removal and Installation

INFOID:0000000012409012

Α

В

D

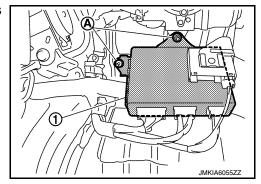
Е

F

Н

REMOVAL

- 1. Remove the luggage side lower finisher RH. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- Remove the rear foot duct. Refer to VTL-14, "REAR FOOT DUCT: Removal and Installation".
- 3. Remove the sliding door control unit RH mounting bolt and nats (A), and then remove the sliding door control unit RH (1).



INSTALLATION

Install in the reverse order of removal

NOTE:

After installing sliding door control unit, perform additional service when replace control unit. Refer to
<a href="https://docs.ncb//docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb///docs.ncb//docs.ncb///docs.ncb///docs.ncb///docs.ncb//docs.n

LH

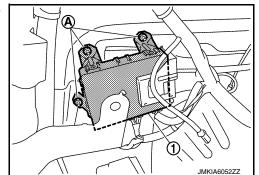
LH: Removal and Installation

INFOID:0000000012409013

REMOVAL

1. Remove the luggage side lower finisher LH. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".

2. Remove the sliding door control unit LH mounting bolt and nats (A), and then remove the sliding door control unit LH (1).



INSTALLATION

Install in the reverse order of removal

NOTE:

After installing sliding door control unit, perform additional service when replace control unit. Refer to <u>DLK-176</u>, "Work <u>Procedure"</u>.

DLK

J

M

Ν

0

Р

Revision: October 2015 DLK-499 2016 Quest

SLIDING DOOR OPEN/CLOSE SWITCH

< REMOVAL AND INSTALLATION >

SLIDING DOOR OPEN/CLOSE SWITCH

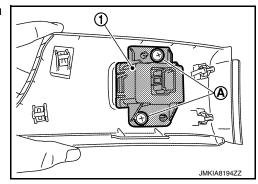
FRONT

FRONT: Removal and Installation

INFOID:0000000012409014

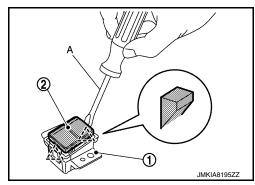
REMOVAL

- 1. Remove the instrument finisher B. Refer to IP-14, "Removal and Installation".
- 2. Remove the switch bracket lower mounting screw (A), and then remove the switch bracket lower from instrument finisher B.



3. Remove the sliding door open/close switch (front side) (2) from switch bracket lower (1) using flat-head screw driver (A).





INSTALLATION

SLIDING DOOR LOCK ACTUATOR

< REMOVAL AND INSTALLATION >

SLIDING DOOR LOCK ACTUATOR

Removal and Installation

INFOID:0000000012409015

Α

В

С

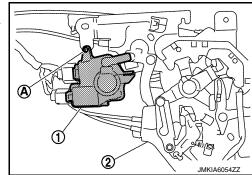
D

Е

F

REMOVAL

- 1. Remove the remote control assembly. Refer to <u>DLK-472, "REMOTE CONTROL ASSEMBLY : Removal and Installation".</u>
- 2. Remove the sliding door lock actuator mounting screw (A), and then remove the sliding door lock actuator (1) from remote control assembly (2).



INSTALLATION

Install in the reverse order of removal.

G

Н

ľ

J

DLK

L

Ν

0

AUTOMATIC SLIDING DOOR WARNING BUZZER

< REMOVAL AND INSTALLATION >

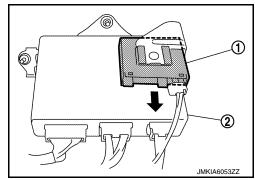
AUTOMATIC SLIDING DOOR WARNING BUZZER

Removal and Installation

INFOID:0000000012409016

REMOVAL

- 1. Remove the luggage side lower finisher. Refer to INT-43, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 2. Remove automatic sliding door warning buzzer (1) from sliding door control unit (2).



INSTALLATION

SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

< REMOVAL AND INSTALLATION >

Install in the reverse order of removal.

SLIDING DOOR ONE-TOUCH OPEN/CLOSE SWITCH

Removal and Installation REMOVAL Remove outside handle escutcheon. Refer to DLK-470, "OUTSIDE HANDLE: Removal and Installation". INSTALLATION

C D E F G H

DLK

L

M

Ν

0