

SECTION **MIR**  
MIRRORS

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## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORKFLOW

#### Work Flow

INFOID:0000000010597928

#### DETAILED FLOW

#### 1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain the malfunction information (conditions and environment when the malfunction occurred) as much as possible when the customer brings the vehicle in.

>> GO TO 2.

#### 2.CHECK DTC

Perform self-diagnosis for automatic drive positioner (ADP) with CONSULT.

Is any DTC detected?

YES >> Refer to [ADP-141, "DTC Index"](#).

NO >> GO TO 3.

#### 3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.  
Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

#### 4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

#### 5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

#### 6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

#### 7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 4.

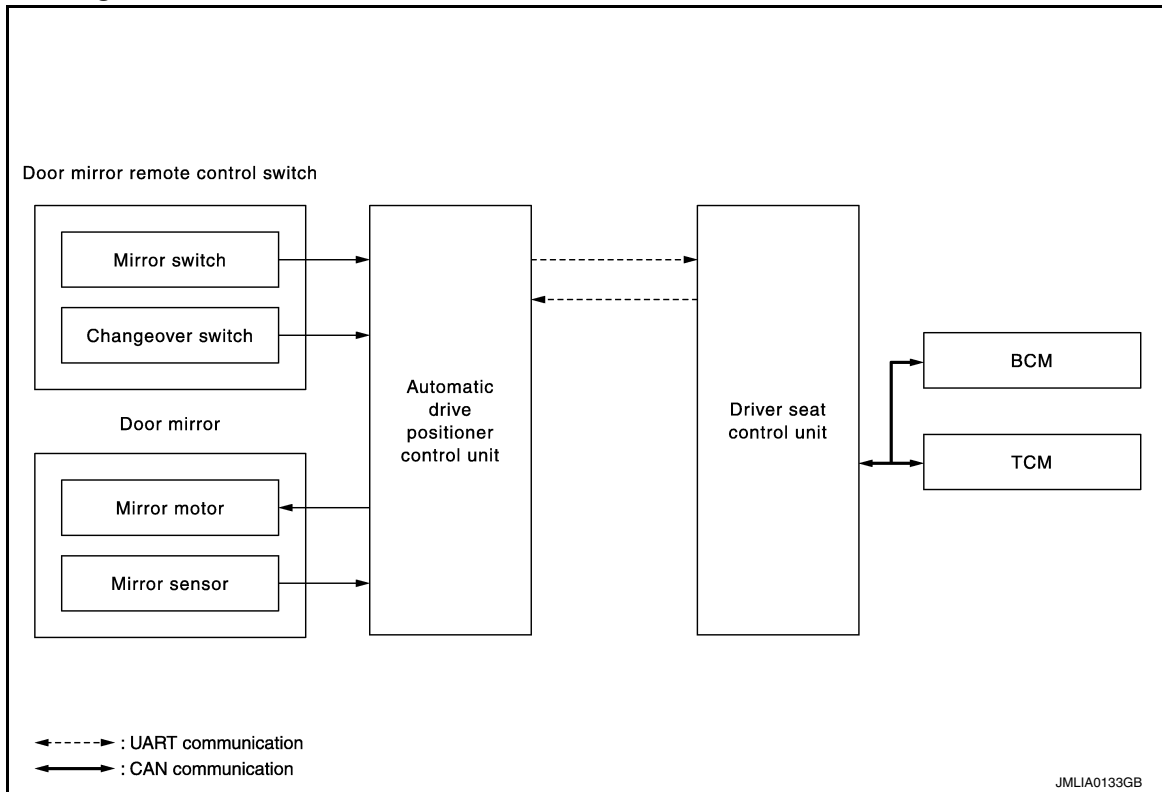
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## SYSTEM DESCRIPTION

### DOOR MIRROR SYSTEM

#### System Diagram

INFOID:0000000010597929



#### System Description

INFOID:0000000010597930

#### MANUAL FUNCTION

##### Description

- Automatic drive positioner control unit controls door mirror.
- Automatic drive positioner control unit inputs changeover switch signal and perform the LH/RH control of door mirror motor supplying electric power when changeover switch is operated.
- Automatic drive positioner control unit inputs mirror switch signal and supplies electric power to door mirror.
- The ignition switch signal (ACC/ON) is transmitted from BCM to the driver seat control unit via CAN communication and from the driver seat control unit to the automatic drive positioner control unit via UART communication.

##### Operation Conditions

If the following conditions are not satisfied, operation is not performed.

- Ignition switch: ON or ACC
- Changeover switch: Select either left or right

#### REVERSE INTERLOCK DOOR MIRROR SYSTEM

##### Description

- Select one of the door mirror faces by change over switch, and then set the selected mirror face downward/inward.
- When the ignition switch is ON position and A/T shift selector is in R position, the TCM sends the R signal to the driver seat control unit. The R signal is transmitted to the automatic drive positioner control unit from the driver seat control unit via UART communication. When the R signal is detected, the automatic device positioner control unit activated the mirror motor.

##### Operation Conditions

If the following conditions are not satisfied, operation is not performed.

# DOOR MIRROR SYSTEM

[WITH ADP]

## < SYSTEM DESCRIPTION >

- Ignition switch: ON
- Changeover switch: Select either left or right
- A/T shift selector: R position

During the reverse interlock door mirror system, if all of the above conditions are not satisfied, mirror face returns to original angle.

### Mirror Angle Memory Function

- During the reverse interlock door mirror operation, the mirror angle can be changed. After adjustment, the mirror face positions can be memorized (2 positions). For memory setting.
- Initial setting is downward 7°, inward 1° (both of left and right).
- When the driver's seat, outside mirror and steering column are not in the memorized position, the outside mirror will move with the initial tilt-down angle, if the reverse tilt-down position is stored. Linking Intelligent Key to a stored memory position.

### Memory Procedure

1. Apply the parking brake.
2. Push the ignition switch to the ON position. (Do not start the engine.)
3. Push the memory switch 1 or 2 fully for at least 1 second to operate the automatic drive positioner.
4. Turn the door mirror control switch (changeover switch) to L (left).
5. Depress the brake pedal.
6. Move the A/T shift selector to R position (reverse).
7. Adjust the mirror to the desired viewing position for backing up by operating the door mirror control switch (mirror switch).
8. Push the SET switch and, within 5 seconds, push the memory switch 1 or 2 selected in step 3 fully for at least 1 second.  
The indicator light for the pushed memory switch will come on and stay pushing the switch. After the indicator light goes off, the selected mirror position is stored in the selected memory (1 or 2).
9. Turn the door mirror control switch (changeover switch) to R (right).  
Repeat the above procedure to adjust the right mirror position and store in the selected memory.

## AUTOMATIC DRIVE POSITIONER SYSTEM LINKED OPERATION

### Description

Door mirror control is included in automatic drive positioner system. Refer to automatic drive positioner system for more details.

Refer to [ADP-13. "AUTOMATIC DRIVE POSITIONER SYSTEM : System Description"](#).

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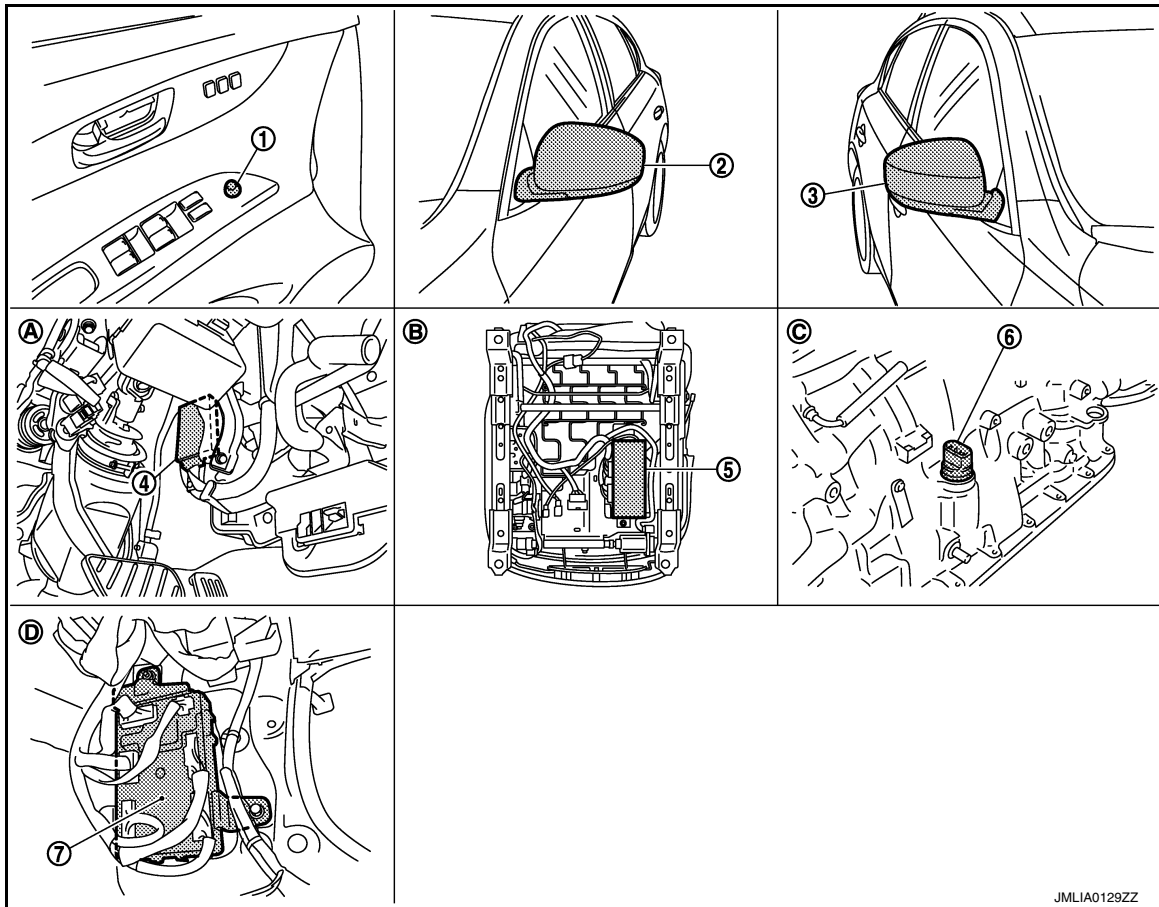
# DOOR MIRROR SYSTEM

[WITH ADP]

< SYSTEM DESCRIPTION >

## Component Parts Location

INFOID:000000010597931



JMLIA0129ZZ

- |  |                                  |  |
|--|----------------------------------|--|
| 1. Door mirror remote control switch               | 2. Door mirror (driver side)     | 3. Door mirror (passenger side)              |
| 4. Automatic drive positioner control unit         | 5. Driver seat control unit      | 6. AT assembly connector (TCM)               |
| 7. BCM   |                                  |  |
| A. View with instrument driver lower panel removed | B. Back side of the seat cushion | C. AT assembly (TCM is built in AT assembly) |
| D. Dash side lower (passenger side)                |                                  |  |

## Component Description

INFOID:000000010597932

Component		Function
Automatic drive positioner control unit		Door mirror is supplied with power after receiving the input of the MIRROR SWITCH and CHANGEOVER SWITCH.
Door mirror remote control switch	Mirror switch	It transmits mirror face adjust operation to AUTOMATIC DRIVE POSITIONER CONTROL UNIT.
	Changeover switch	It transmits the LH/RH control of door mirror that supplies power to AUTOMATIC DRIVE POSITIONER CONTROL UNIT.
Door mirror		It makes mirror face operate from side to side and up and down via integrated motor.
BCM		The ignition switch signal (ACC/ON) is transmitted to driver seat control unit via CAN communication.

# DOOR MIRROR SYSTEM

[WITH ADP]

< SYSTEM DESCRIPTION >

Component	Function
Driver seat control unit	The ignition switch signal (ACC/ON) is transmitted to automatic drive positioner control unit via UART communication.
TCM	The A/T shift position signal is transmitted to driver seat control unit via CAN communication.

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# INSIDE MIRROR SYSTEM

[WITH ADP]

< SYSTEM DESCRIPTION >

## INSIDE MIRROR SYSTEM

### System Description

INFOID:000000010597933

The sensor built in inside mirror detects the brightness of headlight of the vehicle behind and automatically changes the light transmission to decrease the brightness.

### Component Description

INFOID:000000010597934

Component	Function
Auto anti-dazzling inside mirror	It automatically changes the light transmittance according to the brightness of the light from the headlight of the vehicle behind.



# DIAGNOSIS SYSTEM (DRIVER SEAT C/U)

< SYSTEM DESCRIPTION >

[WITH ADP]

## DIAGNOSIS SYSTEM (DRIVER SEAT C/U)

### Diagnosis Description

INFOID:0000000011067112

The auto drive positioner system can be checked and diagnosed for component operation with CONSULT.

### DIAGNOSTIC MODE

Diagnostic mode [AUTO DRIVE POS.]	Description
WORK SUPPORT	Changes the setting of each function.
SELF-DIAG RESULTS	Performs self-diagnosis for the auto drive positioner system and displays the results.
DATA MONITOR	Displays input signals transmitted from various switches and sensors to driver seat control unit in real time.
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.
ACTIVE TEST	Drive each output device.
ECU PART NUMBER	Displays part numbers of driver seat control unit parts.

### CONSULT Function

INFOID:0000000011067113

### SELF-DIAGNOSIS RESULTS

Refer to [MIR-49, "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	Unit	Contents
STARTER SW	"ON/OFF"	Ignition key switch ON (START, ON)/OFF (ACC, OFF) status judged from the ignition switch signal.
SET SW	"ON/OFF"	ON/OFF status judged from the setting switch signal.
MEMORY SW 1	"ON/OFF"	ON/OFF status judged from the seat memory switch 1 signal.
MEMORY SW 2	"ON/OFF"	ON/OFF status judged from the seat memory switch 2 signal.
R POSITION SW	"ON/OFF"	<b>NOTE:</b> This item is display, but cannot be used.
DETENT SW	"ON/OFF"	The selector lever position "OFF (P position) / ON (other than P position)" judged from the detention switch signal.
STEERING STATUS	"LOCK/UNLOCK"	LOCK/UNLOCK status judged from steering lock unit.
PARK BRAKE SW	"ON/OFF"	<b>NOTE:</b> This item is display, but cannot be used.
SLIDE SW-FR	"ON/OFF"	ON/OFF status judged from the sliding switch (forward) signal.
SLIDE SW-RR	"ON/OFF"	ON/OFF status judged from the sliding switch (backward) signal.
RECLN SW-FR	"ON/OFF"	ON/OFF status judged from the reclining switch (forward) signal.
RECLN SW-RR	"ON/OFF"	ON/OFF status judged from the reclining switch (backward) signal.
LIFT SW-UP	"ON/OFF"	ON/OFF status judged from the lifting switch front (up) signal.
LIFT SW-DOWN	"ON/OFF"	ON/OFF status judged from the lifting switch front (down) signal.
TILT SW-UP	"ON/OFF"	ON/OFF status judged from the tilt switch (up) signal.
TILT SW-DOWN	"ON/OFF"	ON/OFF status judged from the tilt switch (down) signal.
TELESCO SW-FR	"ON/OFF"	ON/OFF status judged from the telescoping switch (forward) signal.
TELESCO SW-RR	"ON/OFF"	ON/OFF status judged from the telescoping switch (backward) signal.
MIR CON SW-UP	"ON/OFF"	ON/OFF status judged from the mirror switch (up) signal.

# DIAGNOSIS SYSTEM (DRIVER SEAT C/U)

< SYSTEM DESCRIPTION >

[WITH ADP]

Monitor Item	Unit	Contents
MIR CON SW-DN	"ON/OFF"	ON/OFF status judged from the mirror switch (down) signal.
MIR CON SW-RH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (passenger side) signal.
MIR CON SW-LH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (driver side) signal.
MIR CHNG SW-R	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching to right) signal.
MIR CHNG SW-L	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching to left) signal.
TILT PULSE	—	Value (32768) when battery connections are standard. If it moves DOWN, the value increases. If it moves UP, the value decreases.
TELESCO PULSE	—	Value (32768) when battery connections are standard. If it moves backward, the value increases. If it moves forward, the value decreases.
MIR/SEN RH U-D	"V"	Voltage input from door mirror sensor (passenger side) up/down is displayed.
MIR/SEN RH R-L	"V"	Voltage input from door mirror sensor (passenger side) left/right is displayed.
MIR/SEN LH U-D	"V"	Voltage input from door mirror sensor (driver side) up/down is displayed.
MIR/SEN LH R-L	"V"	Voltage input from door mirror sensor (driver side) left/right is displayed.
SLIDE PULSE	—	Value (32768) when battery connections are standard. If it moves backward, the value increases. If it moves forward, the value decreases.
RECLN PULSE	—	Value (32768) when battery connections are standard. If it moves backward, the value increases. If it moves forward, the value decreases.
LIFT PULSE	—	Value (32768) when battery connections are standard. If it moves DOWN, the value increases. If it moves UP, the value decreases.
VEHICLE SPEED	—	Display the vehicle speed signal received from combination meter by numerical value [km/h]
P RANG SW CAN	"ON/OFF"	ON/OFF status judged from P range switch signal.
R RANG (CAN)	"ON/OFF"	ON/OFF status judged from R range switch signal.
DOOR SW-FL	"OPEN/CLOSE"	ON/OFF status judged from front door switch LH switch signal.
DOOR SW-FR	"OPEN/CLOSE"	ON/OFF status judged from front door switch RH switch signal.
IGN ON SW	"ON/OFF"	ON/OFF status judged from ignition switch signal.
ACC ON SW	"ON/OFF"	ON/OFF status judged from ACC switch signal.
KYLS DR UNLK	"ON/OFF"	ON/OFF status judged from driver door unlock status.
KEYLESS ID	—	Key ID status judged from key ID signal.
VHCL SPEED (ABS)	"NORCV/RCV"	ON/OFF status judged from vehicle speed signal.
HANDLE	"RHD/LHD"	RHD/LHD status judged from handle position signal.
TRANSMISSION	"[A/T]/[M/T]"	Transmission type judged from TCM.

## ACTIVE TEST

### CAUTION:

**When driving vehicle, do not perform active test.**

Test item	Description
SEAT SLIDE	Activates/deactivates the sliding motor.
SEAT RECLINING	Activates/deactivates the reclining motor.
SEAT LIFTER FR	Activates/deactivates the lifting motor (front).
SEAT LIFTER RR	Activates/deactivates the lifting motor (rear).
TILT MOTOR	Activates/deactivates the tilt motor.
TELESCO MOTOR	Activates/deactivates the telescopic motor.

# DIAGNOSIS SYSTEM (DRIVER SEAT C/U)

< SYSTEM DESCRIPTION >

[WITH ADP]

Test item	Description
MIRROR MOTOR RH	Activates/deactivates the mirror motor (passenger side).
MIRROR MOTOR LH	Activates/deactivates the mirror motor (driver side).
MEMORY SW INDCTR	Turns ON/OFF the memory indicator.

## WORK SUPPORT

Work item	Content	Item
SEAT SLIDE VOLUME SET	The amount of seat sliding for entry/exit assist can be selected from 3 items.	40 mm
		80 mm
		150 mm
EXIT TILT SETTING	Entry/exit assist (steering column) can be selected: ON (operated) – OFF (not operated)	ON
		OFF
EXIT SEAT SLIDE SETTING	Entry/exit assist (seat) can be selected: ON (operated) – OFF (not operated)	ON
		OFF

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# DOOR MIRROR REMOTE CONTROL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DTC/CIRCUIT DIAGNOSIS

### DOOR MIRROR REMOTE CONTROL SWITCH MIRROR SWITCH

#### MIRROR SWITCH : Description

INFOID:0000000010597937

It operates angle of the door mirror face.

It transmits mirror face adjust operation to AUTOMATIC DRIVE POSITIONER CONTROL UNIT.

#### MIRROR SWITCH : Component Function Check

INFOID:0000000010597938

#### 1. CHECK MIRROR SWITCH FUNCTION

Check the operation on "MIR CON SW-UP/DN" and "MIR CON SW-RH/LH" in "DATA MONITOR" mode with CONSULT.

Monitor item	Condition
MIR CON SW-UP/DN	When operating the mirror switch toward the up or down side. : ON
	Other than above. : OFF
MIR CON SW-RH/LH	When operating the mirror switch toward the right or left side. : ON
	Other than above. : OFF

#### Is the inspection result normal?

YES >> Mirror switch function is OK.

NO >> Refer to [MIR-12. "MIRROR SWITCH : Diagnosis Procedure"](#).

#### MIRROR SWITCH : Diagnosis Procedure

INFOID:0000000010597939

#### 1. CHECK MIRROR SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect door mirror remote control switch connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror remote control switch harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Door mirror remote control switch			
Connector	Terminal	Ground	5
D17	4		
	12		
	13		
	15		

#### Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

#### 2. CHECK MIRROR SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit connector.
3. Check continuity between automatic drive positioner control unit harness connector and door mirror remote control switch harness connector.

# DOOR MIRROR REMOTE CONTROL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

Automatic drive positioner control unit		Door mirror remote control switch		Continuity
Connector	Terminal	Connector	Terminal	
M78	3	D17	15	Existed
	4		13	
	15		12	
	16		4	

4. Check continuity between automatic drive positioner control unit harness connector and ground.

Automatic drive positioner control unit		Ground	Continuity
Connector	Terminal		
M78	3	Ground	Not existed
	4		
	15		
	16		

Is the inspection result normal?

YES >> Replace automatic drive positioner control unit. Refer to [ADP-220, "Removal and Installation"](#).

NO >> Repair or replace harness.

## 3.CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

- Turn ignition switch OFF.
- Check continuity between door mirror remote control switch harness connector and ground.

Door mirror remote control switch		Ground	Continuity
Connector	Terminal		
D17	7	Ground	Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

## 4.CHECK MIRROR SWITCH

Check door mirror remote control switch (mirror switch).  
Refer to [MIR-13, "MIRROR SWITCH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace door mirror remote control switch (mirror switch). Refer to [MIR-125, "Removal and Installation"](#).

## 5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## MIRROR SWITCH : Component Inspection

INFOID:000000010597940

### 1.CHECK MIRROR SWITCH

- Turn ignition switch OFF.
- Disconnect door mirror remote control switch connector.
- Check continuity between door mirror remote control switch terminals.

# DOOR MIRROR REMOTE CONTROL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

Door mirror remote control switch		Condition	Continuity
Connector	Terminal		
D17	4	RIGHT	Existed
		Other than above	Not existed
	13	LEFT	Existed
		Other than above	Not existed
	15	UP	Existed
		Other than above	Not existed
	12	DOWN	Existed
		Other than above	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace door mirror remote control switch. Refer to [MIR-125. "Removal and Installation"](#).

## CHANGEOVER SWITCH

### CHANGEOVER SWITCH : Description

INFOID:0000000010597941

Changeover switch is integrated into door mirror remote control switch.

Changeover switch has three positions (L, N and R).

It changes door mirror motor operation by transmitting control signal to automatic drive positioner control unit.

### CHANGEOVER SWITCH : Component Function Check

INFOID:0000000010597942

#### 1. CHECK CHANGEOVER SWITCH FUNCTION

Check the operation on "MIR CHNG SW-R" or "MIR CHNG SW-L" in "DATA MONITOR" mode with CONSULT.

Monitor item	Condition
MIR CHNG SW-R/L	When operating the changeover toward the right or left side. : ON
	Other than above. : OFF

Is the inspection result normal?

YES >> Changeover switch function is OK.

NO >> Refer to [MIR-14. "CHANGEOVER SWITCH : Diagnosis Procedure"](#).

### CHANGEOVER SWITCH : Diagnosis Procedure

INFOID:0000000010597943

#### 1. CHECK CHANGEOVER SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect door mirror remote control switch connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror remote control switch harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Door mirror remote control switch			
Connector	Terminal		
D17	10	Ground	5
	11		

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

#### 2. CHECK CHANGEOVER SWITCH CIRCUIT

# DOOR MIRROR REMOTE CONTROL SWITCH

[WITH ADP]

## < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit connector.
3. Check continuity between automatic drive positioner control unit harness connector and door mirror remote control switch harness connector.

Automatic drive positioner control unit		Door mirror remote control switch		Continuity
Connector	Terminal	Connector	Terminal	
M78	2	D17	11	Existed
	14		10	

4. Check continuity between automatic drive positioner control unit harness connector and ground.

Automatic drive positioner control unit		Ground	Continuity
Connector	Terminal		
M78	2		Not existed
	14		

Is the inspection result normal?

YES >> Replace automatic drive positioner control unit. Refer to [ADP-220, "Removal and Installation"](#).

NO >> Repair or replace harness.

### 3.CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror remote control switch harness connector and ground.

Door mirror remote control switch		Ground	Continuity
Connector	Terminal		
D17	7		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

### 4.CHECK CHANGEOVER SWITCH

Check door mirror remote control switch (changeover switch).

Refer to [MIR-15, "CHANGEOVER SWITCH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace door mirror remote control switch (changeover switch). Refer to [MIR-125, "Removal and Installation"](#).

### 5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## CHANGEOVER SWITCH : Component Inspection

INFOID:000000010597944

### 1.CHECK CHANGEOVER SWITCH

1. Turn ignition switch OFF.
2. Disconnect door mirror remote control switch connector.
3. Check continuity between door mirror remote control switch terminals.

# DOOR MIRROR REMOTE CONTROL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

Door mirror remote control switch		Terminal	Condition	Continuity
Connector				
D17	10	7	LEFT	Existed
			Other than above	Not existed
	11		RIGHT	Existed
			Other than above	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace door mirror remote control switch. Refer to [MIR-125. "Removal and Installation"](#).



# DOOR MIRROR SYSTEM

[WITH ADP]

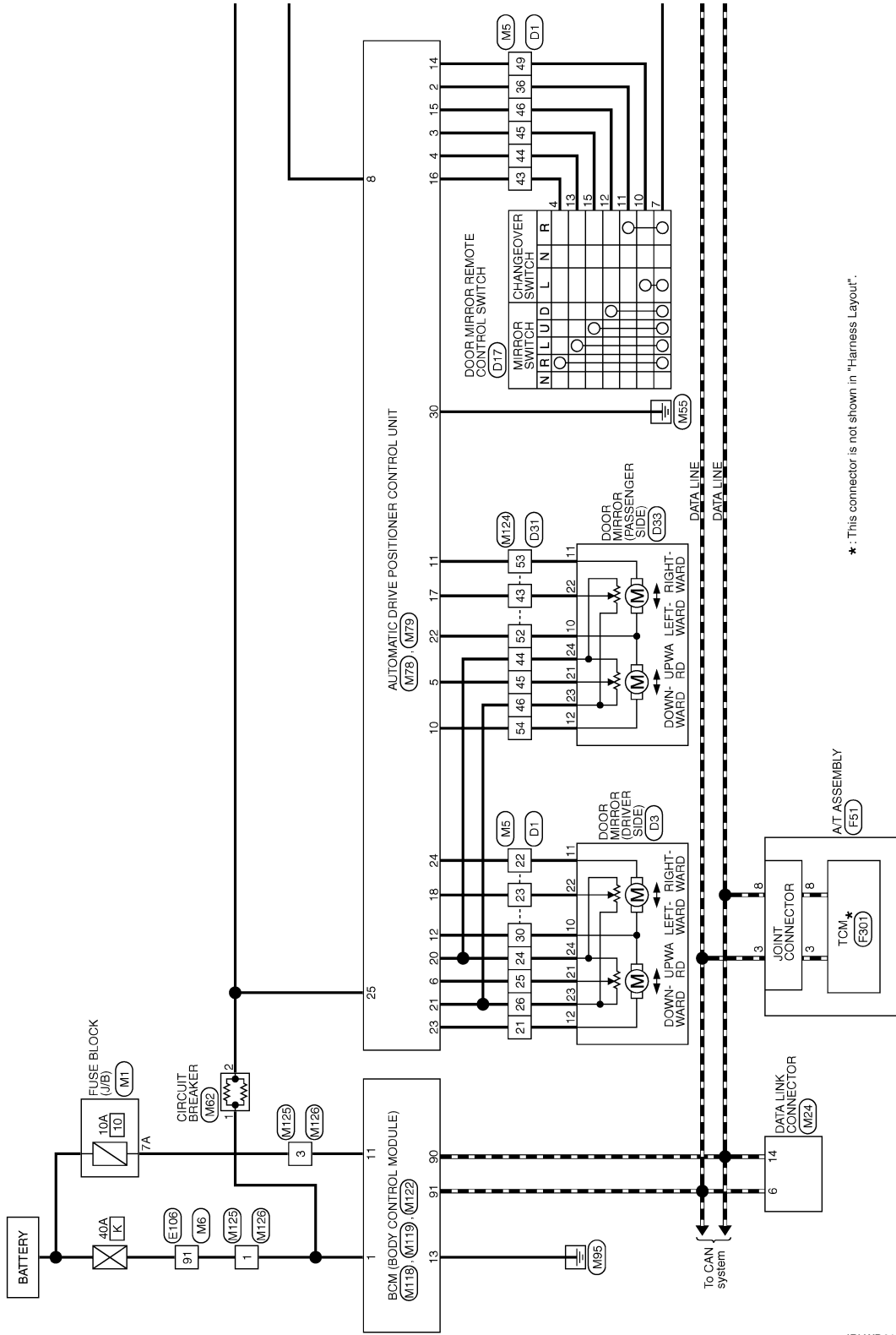
< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR SYSTEM

### Wiring Diagram - DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER) -

INFOID:00000000110597945

#### DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)



\*: This connector is not shown in "Harness Layout".

2014/03/21

JRLWD6104GB

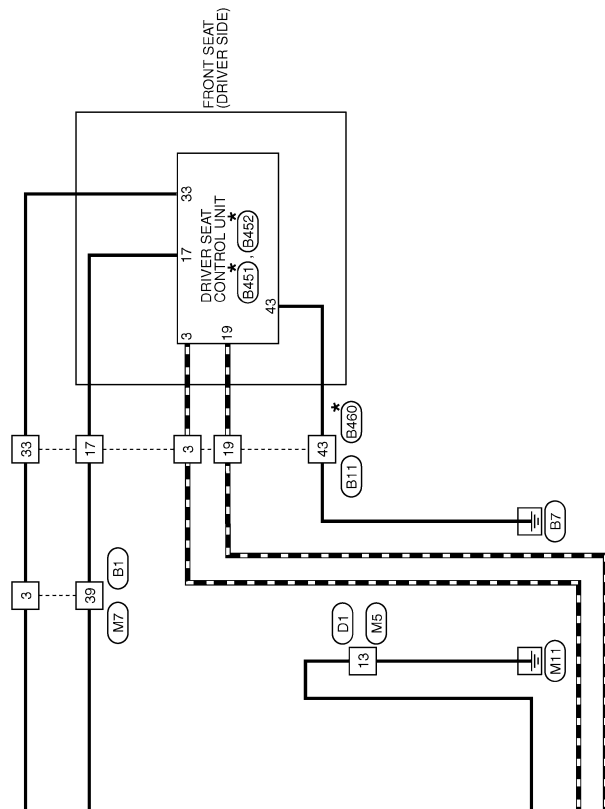
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# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]



JRLWD6105GB

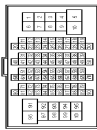
# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

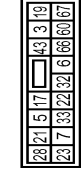
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	HS18PW-CS16-TM4



Terminal No.	Color	Wire	Signal Name [Specification]
47	SB	-	-
48	R	-	-
49	L	-	-
60	P	-	-
61	L	-	-
62	SHIELD	-	-
63	R	-	-
64	G	-	-
65	SHIELD	-	-
66	W	-	-
67	V	-	-
68	SB	-	-
69	SHIELD	-	-
70	W	-	-
71	SB	-	-
72	L	-	-
73	W	-	-
74	W	-	-
75	Y	-	-
76	BR	-	-
77	R	-	-
78	P	-	-
79	GR	-	-
80	L	-	-
81	BG	-	-
82	V	-	-
83	LG	-	-
84	LG	-	-
85	R	-	-
86	LG	-	-
87	Y	-	-
88	R	-	-
89	B	-	-
90	BG	-	-
91	GR	-	-
92	GR	-	-
93	C	-	-
94	SB	-	-
95	G	-	-
96	Y	-	-
98	W	-	-
99	GR	-	-

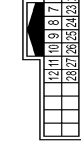
Terminal No.	Color	Wire	Signal Name [Specification]
3	R	-	-
4	SB	-	-
5	SB	-	-
6	SB	-	-
7	V	-	-
8	L	-	-
11	V	-	-
12	SB	-	-
13	LG	-	-
14	GR	-	-
15	LG	-	-
16	R	-	-
17	W	-	-
18	SB	-	-
19	LG	-	-
20	GR	-	-
21	SHIELD	-	-
22	GR	-	-
23	P	-	-
24	B	-	-
26	R	-	-
29	W	-	-
30	SHIELD	-	-
31	SHIELD	-	-
32	W	-	-
33	SB	-	-
34	L	-	-
35	P	-	-
36	L	-	-
37	P	-	-
38	P	-	-
39	Y	-	-
40	SB	-	-
44	Y	-	-
45	GR	-	-
46	LG	-	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	HS18PW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
3	L	-	-
4	L	-	-
5	SB	-	-
6	SB	-	-
7	P	-	-
17	Y	-	-
19	P	-	-
21	V	-	-
22	L	-	-
23	BG	-	-
25	R	-	-
32	B	-	-
33	R	-	-
43	B	-	-
60	G	-	-
69	GR	-	-
87	Y	-	-

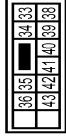
Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH32FW



Terminal No.	Color	Wire	Signal Name [Specification]
1	-	-	GAN-H
2	-	-	UART (TX, RX)
4	-	-	PULSE (RECLINER)

5	-	-	PULSE (TELESCOPIC)
9	-	-	ADDRESS 2
10	-	-	MD
6	-	-	SLIDE SW (BACKWARD)
8	-	-	RECLINER SW (BACKWARD)
10	-	-	FRONT LIFTER SW (DOWNWARD)
11	-	-	REAR LIFTER SW (DOWNWARD)
12	-	-	POWER SUPPLY (ENCODER)
17	-	-	GAN-L
18	-	-	PULSE (SLIDE)
19	-	-	PULSE (FRONT LIFTER)
20	-	-	PULSE (REAR LIFTER)
21	-	-	PULSE (SETTL)
22	-	-	ADDRESS 1
23	-	-	MD
24	-	-	SLIDE SW (FORWARD)
25	-	-	RECLINER SW (FORWARD)
26	-	-	FRONT LIFTER SW (UPWARD)
27	-	-	REAR LIFTER SW (UPWARD)
28	-	-	SET SW

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	HS18PW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
33	-	-	BAT (PTC)
34	-	-	SLIDE MOTOR (BACKWARD)
35	-	-	RECLINER MOTOR (FORWARD)
36	-	-	FRONT LIFTER MOTOR (DOWNWARD)
38	-	-	SLIDE MOTOR (FORWARD)
39	-	-	RECLINER MOTOR (BACKWARD)
40	-	-	FRONT LIFTER MOTOR (UPWARD)
41	-	-	REAR LIFTER MOTOR (UPWARD)
42	-	-	REAR LIFTER MOTOR (DOWNWARD)
43	-	-	GND

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# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)


Connector No.	E469
Connector Name	WIRE TO WIRE
Connector Type	NSI/BMW-GS



19	3	13	17	5	21	23
67	60	66	6	32	22	33
7	23					

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	
2	P	
3	P	
4	P	
5	P	
6	P	
7	P	
17	Y/R	
19	V	
21	L/Y	
22		
23		
28		
32	B/W	
33	R	
43		
60	Y/R	
69	B	
67	E	

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH48PW-CS1S




15	4	13	11	9	8	7	6	5	4	3	2	1
44	4	44	44	44	44	44	44	44	44	44	44	44
45	4	45	45	45	45	45	45	45	45	45	45	45

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	B	
3	V	
4	W	

5			
6	GR		
7	GR		
8	W		
9	O		
10	BR		
11	P		
12	LG		
13	B		
14	Y		
15	W		
16	R		
17	W		
18	G		
19	W		
20	W		
21	O		
22	P		
23	BR		
24	V		
25	GR		
26	Y		
27	B		
28	SHIELD		
29	LG		
30	G		
31	W		
32	G		
33	G		
34	SB		
35	R		
36	LG		
37	R		
38	P		
39	O		
40	BR		
41	L		
42	GR		
43	BR		
43	O		
44	GR		
44	W		
45	Y		
45	G		
46	V		
47	R		
48	G		
49	GR		
50	SHIELD		

52	B	
53	SB	
54	O	
55	Y	




Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



12	11	10	7	6	5	3	2
24	23	22	21	19	18	17	14

Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	
10	G	
11	P	
12	O	
17	G	SIDE CAMERA LH IMAGE GND
18	W	SIDE CAMERA LH GND
19	B	
21	GR	
22	BR	
23	Y	
24	V	


Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK10BER



8	9	10	11	12	13	15	7
---	---	----	----	----	----	----	---

Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	
6	B	
8	R	
10	GR	
11	LG	
12	G	
13	W	
15	Y	

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH48PW-CS1S



5	4	3	2	1
44	44	44	44	44
45	45	45	45	45

Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	
8	BR	
9	V	
12	LG	
14	LS	
15	W	
16	BR	
17	B	
18	R	
19	Y	

# DOOR MIRROR SYSTEM

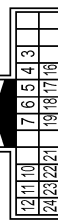
< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

Terminal No.	Wire	Signal Name [Specification]
20	B	(With EOSE audio)
21	GR	(Without EOSE audio)
22	Y	(With EOSE audio)
23	P	(Without EOSE audio)
24	W	-
25	SB	-
26	R	-
29	SHIELD	-
30	W	-
31	LG	-
32	BR	-
33	O	-
34	GR	-
35	L	-
36	G	-
37	G	-
38	Y	-
44	V	-
45	P	-
46	W	-
47	SHIELD	-
52	G	-
53	GR	-
54	O	-
55	L	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH2AMW-NH



Terminal No.	Wire	Signal Name [Specification]
1	LG	SIDE CAMERA RH IMAGE SIGNAL
2	Y	SIDE CAMERA RH IMAGE GND
3	G	SIDE CAMERA RH IMAGE SIGNAL
4	P	SIDE CAMERA RH POWER SUPPLY
5	B	-
6	R	-
7	L	-
10	G	-
11	GR	-

Terminal No.	Wire	Signal Name [Specification]
12	G	-
13	GR	-
14	Y	SIDE CAMERA RH IMAGE GND
15	B	SIDE CAMERA RH GND
16	P	-
17	W	-
18	V	-
19	SB	-
20	R	-
21	SHIELD	-
22	Y	-
23	V	-
24	W	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-CS16-TMI



Terminal No.	Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	Y	-
6	BR	-
7	LG	-
8	BR	-
9	SB	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	V	-
22	G	-
23	Y	-
24	P	-
25	V	-
26	V	-
27	W	-
28	G	-

Terminal No.	Wire	Signal Name [Specification]
31	BG	-
32	B	-
33	R	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
41	W	-
42	G	-
43	BR	-
45	W	-
49	L	-
50	P	-
51	P	-
54	BG	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
69	LG	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With ICC]
74	L	- [Without ICC]
75	G	- [With ICC]
75	W	- [Without ICC]
76	W	- [With ICC]
76	Y	- [Without ICC]
77	P	- [With ICC]
77	R	- [Without ICC]
78	BR	- [With ICC]
78	L	- [Without ICC]
79	Y	- [With ICC]
79	B	- [Without ICC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-

Terminal No.	Wire	Signal Name [Specification]
85	L	-
87	P	-
89	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	FK10FC-D3Y



Terminal No.	Wire	Signal Name [Specification]
1	Y	IGNITION POWER SUPPLY
2	BR	BATTERY POWER SUPPLY
3	O	CAN-H
4	V	K-LINE
5	B	GROUND
6	Y	IGNITION POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	LG	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

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# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

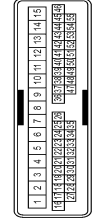
[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

Connector No.	F301
Connector Name	TOM
Connector Type	SPI/REG

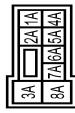


Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGNITION POWER SUPPLY
2	B	BATTERY POWER SUPPLY
3	BR	CAN-H
4	P	K-LINE
5	L	GROUND
6	R	IGNITION POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	W	CAN-L
9	G	STARTER RELAY
10	-	GROUND

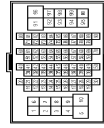
Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	B	-
4A	E	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-

37	BR	-
38	EG	-
39	EG	-
40	SR	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner]
47	R	- [Without automatic drive positioner]
48	G	-
49	G	-
50	SHIELD	-
51	SHIELD	-
52	SHIELD	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	R	-
7	Y	-
8	Y	-
9	BR	-
10	R	-
11	GR	-
12	EG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-

18	V	-
19	EG	-
20	B	-
21	W	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	W	-
36	SHIELD	-
37	V	-
38	EG	-
39	BR	-
41	W	-
42	EG	-
43	EG	-
45	W	-
49	L	-
50	P	-
51	BR	-
54	Y	-
57	G	-
59	W	-
60	W	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	BR	- [With DCC]
74	BR	- [Without DCC]
75	G	- [Without DCC]
76	GR	- [Without DCC]
77	P	- [With DCC]
77	P	- [Without DCC]
77	R	- [With DCC]

# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

78	L	-	G	18	G	-
79	R	-	W	19	W	-
80	W	-	W	20	W	-
81	Y	-	SB	21	SB	-
82	Y	-	SB	22	SB	-
83	Y	-	SB	23	SB	-
84	Y	-	SB	24	SB	-
85	Y	-	SB	25	SB	-
86	Y	-	SB	26	SB	-
87	Y	-	SB	27	SB	-
88	Y	-	SB	28	SB	-
89	Y	-	SB	29	SB	-
90	Y	-	SB	30	SB	-
91	Y	-	SB	31	SB	-
92	Y	-	SB	32	SB	-
93	Y	-	SB	33	SB	-
94	Y	-	SB	34	SB	-
95	Y	-	SB	35	SB	-
96	Y	-	SB	36	SB	-
97	Y	-	SB	37	SB	-
98	Y	-	SB	38	SB	-
99	Y	-	SB	39	SB	-
100	Y	-	SB	40	SB	-

41	L	-	G	1	G	-
42	R	-	W	2	W	-
43	W	-	W	3	W	-
44	Y	-	SB	4	SB	-
45	Y	-	SB	5	SB	-
46	Y	-	SB	6	SB	-
47	Y	-	SB	7	SB	-
48	Y	-	SB	8	SB	-
49	Y	-	SB	9	SB	-
50	Y	-	SB	10	SB	-
51	Y	-	SB	11	SB	-
52	Y	-	SB	12	SB	-
53	Y	-	SB	13	SB	-
54	Y	-	SB	14	SB	-
55	Y	-	SB	15	SB	-
56	Y	-	SB	16	SB	-
57	Y	-	SB	17	SB	-
58	Y	-	SB	18	SB	-
59	Y	-	SB	19	SB	-
60	Y	-	SB	20	SB	-
61	Y	-	SB	21	SB	-
62	Y	-	SB	22	SB	-
63	Y	-	SB	23	SB	-
64	Y	-	SB	24	SB	-
65	Y	-	SB	25	SB	-
66	Y	-	SB	26	SB	-
67	Y	-	SB	27	SB	-
68	Y	-	SB	28	SB	-
69	Y	-	SB	29	SB	-
70	Y	-	SB	30	SB	-
71	Y	-	SB	31	SB	-
72	Y	-	SB	32	SB	-
73	Y	-	SB	33	SB	-
74	Y	-	SB	34	SB	-
75	Y	-	SB	35	SB	-
76	Y	-	SB	36	SB	-
77	Y	-	SB	37	SB	-
78	Y	-	SB	38	SB	-
79	Y	-	SB	39	SB	-
80	Y	-	SB	40	SB	-

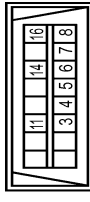
88	R	-	-	-	-	-
89	W	-	-	-	-	-
90	BR	-	-	-	-	-
91	BR	-	-	-	-	-
92	G	-	-	-	-	-
93	BR	-	-	-	-	-
94	V	-	-	-	-	-
95	G	-	-	-	-	-
96	W	-	-	-	-	-
97	W	-	-	-	-	-
98	W	-	-	-	-	-
99	R	-	-	-	-	-

Connector No.	M82
Connector Name	CIRCUIT BREAKER
Connector Type	M82FW-P-LC



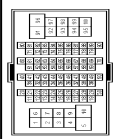
Terminal No.	1	2
Color Of Wire	W	SB
Signal Name [Specification]	-	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



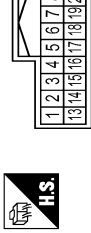
Terminal No.	3	4	5	6	7	8	11	14	16
Color Of Wire	LG	LG	B	L	V	G	SB	P	-
Signal Name [Specification]	-	-	-	-	-	-	-	-	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	T188MIP-CSE-TM4



Terminal No.	3	5	6	7	8	11	12	13	14
Color Of Wire	SB	W	RG	B	B	V	SB	LG	Y
Signal Name [Specification]	- [With automatic drive positioner]	- [Without automatic drive positioner]	-	-	-	-	-	-	-

Connector No.	M78
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	T182HW-NH



Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Color Of Wire	Y	LG	G	V	R	GR	GR	Y	W	G	G	W	B	B	SB	BR	L	G	G
Signal Name [Specification]	UPWARD	SELECT RH	UPWARD	LEFTWARD	MIR SENS UP DOWN(RH)	MIR SENS UP/DOWN(LH)	FORWARD	RX TX	MIR MTR UP(RH)	MIR MTR LEFT (RH)	MIR MTR DOWN (RIGHT LH)	SELECT LH	DOWNWARD	RIGHTWARD	MIR SENS LEFT & RIGHT (RH)	MIR SENS LEFT & RIGHT (LH)	BACKWARD	-	-

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MIR

# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

## DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

20	V	POWER STEERING SENSOR
21	R	MB MTR DOWN (RIGHT)
22	R	MB MTR UP (LEFT)
23	LG	MIR MTR (LEFT/L)
24	L	MIR MTR (LEFT/L)

Connector No.	MT9
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS38FW-CS



25	26
27	28
29	30

Terminal No.	Color Of Wire	Signal Name [Specification]
25	SB	BAT
26	L	BACKWARD
27	P	STRG SENS VCC
28	G	DOWNWARD
29	LG	UPWARD/FRONTWARD
30	B	GND

Connector No.	MT1B
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M33FB-LC



1	3
2	

Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(BAP)

Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-CS



4	5	7	8	9	10
11	13	14	15	17	18
19					

Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	Y	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEER LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT
13	B	GROUND
14	W	PUSH-BUTTON/IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	MT22
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39

Terminal No.	Color Of Wire	Signal Name [Specification]
24	SB	PASSENGER DOOR ANT-
25	GR	PASSENGER DOOR ANT+
26	V	DRIVER DOOR ANT-
27	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT-
79	BR	ROOM ANT+
80	GR	NATS. ANT-AMP

Terminal No.	Color Of Wire	Signal Name [Specification]
81	W	NATS. ANT AMP
82	R	IGN RELAY (E) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMB1 SW INPUT 5
88	V	COMB1 SW INPUT 3
90	P	CAN-H
91	L	CAN-L
92	LG	KEY SLOT ILL CONT
93	Y	ON IND
94	Y	PUDDLE LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P
100	G	PASSENGER DOOR REQUEST SW
101	LG	DRIVER DOOR REQUEST SW
102	BG	BLUETOOTH WIRELESS KEY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMB1 SW INPUT 1
108	R	COMB1 SW INPUT 4
109	Y	COMB1 SW INPUT 2
110	G	HAZARD SW

Connector No.	MT24
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	--
8	LG	--
9	Y	--
12	L	--
13	V	--
14	W	--
15	W	--
16	BR	--
17	B	--
18	R	--
19	B	--
20	W	-- [Without BOSE audio]
20	Y	-- [With BOSE audio]

Terminal No.	Color Of Wire	Signal Name [Specification]
21	G	-- [With BOSE audio]
21	L	-- [Without BOSE audio]
22	SB	--
23	GR	--
24	G	--
25	Y	--
26	R	--
29	SHIELD	--
30	W	--
31	LG	--
32	G	--
33	BR	--
34	V	--
35	G	--
36	Y	--
39	BR	--
43	Y	--
44	Y	--
45	R	--
46	W	--
47	SHIELD	--
52	R	--
53	G	--
54	W	--
55	BG	--

Connector No.	MT25
Connector Name	WIRE TO WIRE
Connector Type	M33FW-LC



1	2
3	2

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	Y	--
3	R	--



# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

DOOR MIRROR (WITH AUTOMATIC DRIVE POSITIONER)

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03MM-1C



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	R	-

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JRLWD6201GB

# AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

[WITH ADP]

< DTC/CIRCUIT DIAGNOSIS >

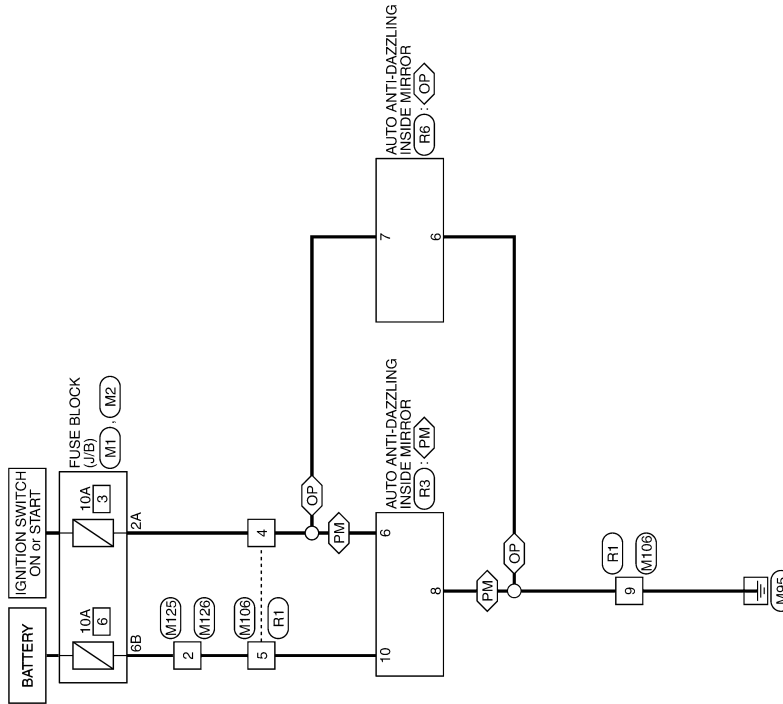
## AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

### Wiring Diagram - INSIDE MIRROR SYSTEM -

INFOID:000000010597946

◊PM◊ : With automatic drive positioner  
 ◊OP◊ : Without automatic drive positioner

INSIDE MIRROR



2013/02/11

JRLW3465GB

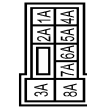
# AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITH ADP]

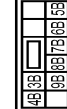
## INSIDE MIRROR

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-M2



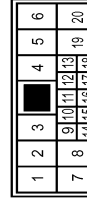
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	L	-
4A	R	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1B	P	-
2B	G	-
3B	BG	-
4B	Y	-
5B	P	-
6B	P	-
7B	SB	-
8B	SB	-

Connector No.	M10B
Connector Name	WIRE TO WIRE
Connector Type	M110MK-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	SHIELD	-
3	L	-
4	W	-
5	Y	-
6	Y	-
7	BR	-
8	Y	-
9	B	-
10	R	-
11	V	-
12	R	-
13	LG	-
14	R	-
15	Y	- [With NAVI]
16	SHIELD	- [Without NAVI]
17	CR	- [With NAVI]
18	G	- [Without NAVI]
19	B	-

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



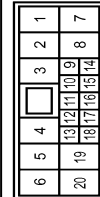
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03MPV-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

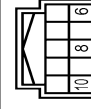
Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	M100FW-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	SHIELD	-
3	LG	-
4	W	- [With automatic drive positioner]
5	G	- [Without automatic drive positioner]
6	Y	-
7	BR	-
8	Y	-
9	B	-

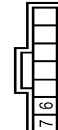
Terminal No.	10	Y	-
Terminal No.	11	Y	-
Terminal No.	12	BR	-
Terminal No.	13	R	-
Terminal No.	14	W	-
Terminal No.	15	SHIELD	-
Terminal No.	16	B	-
Terminal No.	18	B	-

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10PE-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
6	BR	IGN
8	B	GROUND
10	G	BAT

Connector No.	R6
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	JAA07FB



Terminal No.	Color Of Wire	Signal Name [Specification]
5	B	-
7	W	-

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# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## ECU DIAGNOSIS INFORMATION

### DRIVER SEAT CONTROL UNIT

#### Reference Value

INFOID:000000011067114

#### 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
SET SW	Set switch	Push	ON
		Release	OFF
MEMORY SW1	Memory switch 1	Push	ON
		Release	OFF
MEMORY SW2	Memory switch 2	Push	ON
		Release	OFF
SLIDE SW-FR	Sliding switch (front)	Operate	ON
		Release	OFF
SLIDE SW-RR	Sliding switch (rear)	Operate	ON
		Release	OFF
RECLN SW-FR	Reclining switch (front)	Operate	ON
		Release	OFF
RECLN SW-RR	Reclining switch (rear)	Operate	ON
		Release	OFF
LIFT SW-UP	Lifting switch front (up)	Operate	ON
		Release	OFF
LIFT SW-DOWN	Lifting switch front (down)	Operate	ON
		Release	OFF
MIR CON SW-UP	Mirror switch	Up	ON
		Other than above	OFF
MIR CON SW-DN	Mirror switch	Down	ON
		Other than above	OFF
MIR CON SW-RH	Mirror switch	Right	ON
		Other than above	OFF
MIR CON SW-LH	Mirror switch	Left	ON
		Other than above	OFF
MIR CHNG SW-R	Changeover switch	Right	ON
		Other than above	OFF
MIR CHNG SW-L	Changeover switch	Left	ON
		Other than above	OFF
TILT SW-UP	Tilt switch	Up	ON
		Other than above	OFF
TILT SW-DOWN	Tilt switch	Down	ON
		Other than above	OFF

# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Monitor Item	Condition		Value/Status
TELESCO SW-FR	Telescopic switch	Forward	ON
		Other than above	OFF
TELESCO SW-RR	Tilt switch	Backward	ON
		Other than above	OFF
DETENT SW	AT selector lever	P position	OFF
		Other than above	ON
STARTER SW	Ignition position	Cranking	ON
		Other than above	OFF
SLIDE PULSE	Seat sliding	Forward	The numeral value decreases *1
		Backward	The numeral value increases *1
		Other than above	No change to numeral value*1
RECLN PULSE	Seat reclining	Forward	The numeral value decreases *1
		Backward	The numeral value increases *1
		Other than above	No change to numeral value*1
LIFT PULSE	Seat lifter	Up	The numeral value decreases *1
		Down	The numeral value increases *1
		Other than above	No change to numeral value*1
MIR/SEN RH U-D	Door mirror (passenger side)		Change between 3.4 (close to peak) 0.6 (close to valley)
MIR/SEN RH R-L	Door mirror (passenger side)		Change between 3.4 (close to left edge) 0.6 (close to right edge)
MIR/SEN LH U-D	Door mirror (driver side)		Change between 3.4 (close to peak) 0.6 (close to valley)
MIR/SEN LH R-L	Door mirror (driver side)		Change between 0.6 (close to left edge) 3.4 (close to right edge)
TILT PULSE	Tilt position	Upward	The numeral value decreases *1
		Downward	The numeral value increases *1
		Other than above	No change to numeral value*1
TELESCO PULSE	Telescopic position	Forward	The numeral value decreases *1
		Backward	The numeral value increases *1
		Other than above	No change to numeral value*1
STEERING STATUS	Steering lock unit	Lock	LOCK
		Unlock	UNLOCK
VEHICLE SPEED	The condition of vehicle speed is display		km/h
P RANG SW CAN	A/T shift selector	P position	ON
		Other than above	UNLOCK
R RANG (CAN)	A/T shift selector	R position	ON
		Other than above	UNLOCK
DOOR SW-FL	Driver door	Open	OPEN
		Close	CLOSE
DOOR SW-FR	Passenger door	Open	OPEN
		Close	CLOSE

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# DRIVER SEAT CONTROL UNIT

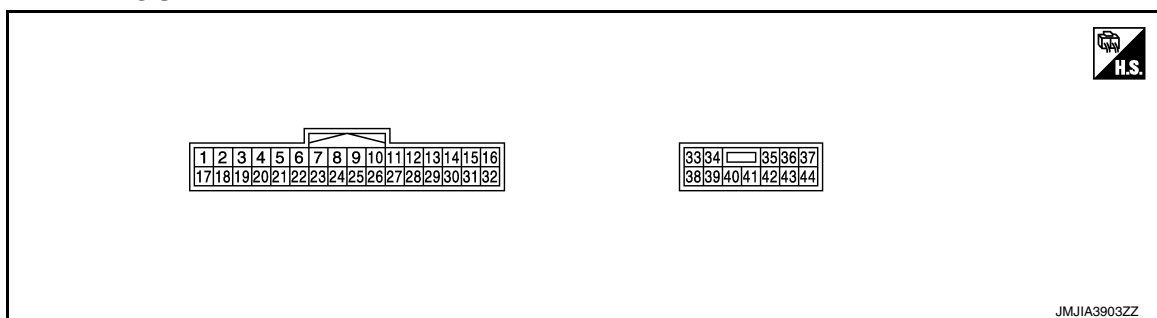
< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Monitor Item	Condition		Value/Status
IGN ON SW	Ignition switch	ON position	ON
		Other than above	OFF
ACC ON SW	Ignition switch	ACC position	ON
		Other than above	OFF
KEYLESS ID	Intelligent Key button	Pressed	MEMORY1/2/3/4/5
		Other than above	OFF
KYL5 DR UNLOCK	Intelligent Key or door request switch	ON	ON
		OFF	OFF
VHCL SPEED (ABS)	Vehicle speed signal (ABS)	Received	RCV
		Not received	NORCV
HANDLE	Vehicle	left handle models	LHD
		Right handle models	RHD
TRANSMISSION	Transmission	M/T	M/T
		A/T	A/T

\*1: The value at the position attained when the battery is connected is regarded as 32768.

## TERMINAL LAYOUT



## PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/ output		
1 (L)	—	CAN-H	—	—	—
2 (BR)	Ground	UART communication (TX/RX)	Input/ output	Ignition switch ON	<p style="text-align: right; font-size: x-small;">JMJA1391ZZ</p>

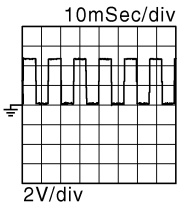
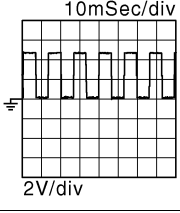
# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

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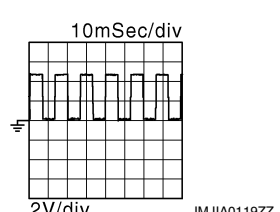
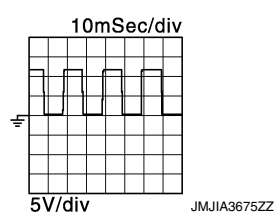
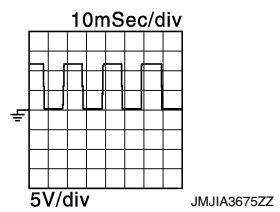
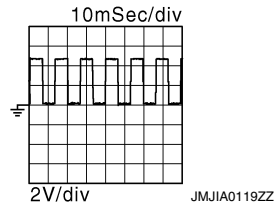
Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/ output		
4 (W/G)	Ground	Reclining sensor signal	Input	Seat reclining	Operate  2V/div JMJA0119ZZ
				Other than the above	0 or 5 V
5 (V)	Ground	Telescopic sen- sor signal	Input	Steering telescopic	Operate  2V/div JMJA0119ZZ
				Other than the above	0 or 5 V
6 (GY)	Ground	Memory switch 2 signal	Input	Memory switch 2	Press 0 - 1 V Other than the above 4 - 6 V
				Memory indicator 2	Illuminate 0 - 1 V Other than the above 9 - 16 V
7 (G)	Ground	Memory indica- tor 2 signal	Out- put	Memory indicator 2	Other than the above 9 - 16 V
				Sliding switch backward signal	Input Sliding switch Operate (backward) 0 - 1 V Other than the above 9 - 16 V
8 (BR)	Ground	Sliding switch backward signal	Input	Sliding switch	Operate (backward) 0 - 1 V Other than the above 9 - 16 V
				Reclining switch backward signal	Input Reclining switch Operate (backward) 0 - 1 V Other than the above 9 - 16 V
9 (SB)	Ground	Reclining switch backward signal	Input	Reclining switch	Operate (backward) 0 - 1 V Other than the above 9 - 16 V
				Lifting switch (front) down sig- nal	Input Lifting switch (front) Operate (down) 0 - 1 V Other than the above 9 - 16 V
10 (LG/R)	Ground	Lifting switch (front) down sig- nal	Input	Lifting switch (front)	Operate (down) 0 - 1 V Other than the above 9 - 16 V
				Lifting switch (rear) down sig- nal	Input Lifting switch (rear) Operate (down) 0 - 1 V Other than the above 9 - 16 V
11 (G/B)	Ground	Lifting switch (rear) down sig- nal	Input	Lifting switch (rear)	Operate (down) 0 - 1 V Other than the above 9 - 16 V
				Sensor power supply	Out- put — 9 - 16 V
12 (O)	Ground	Sensor power supply	Out- put	—	9 - 16 V
17 (P)	—	CAN-L	—	—	—

# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value
+	-	Signal name	Input/ output		
18 (R)	Ground	Sliding sensor signal	Input	Seat sliding	Operate
				Other than the above	0 or 5 V
19 (Y/B)	Ground	Lifting sensor (front) signal	Input	Seat lifting (front)	Operate
				Other than the above	0 or 12 V
20 (P/B)	Ground	Lifting sensor (rear) signal	Input	Seat lifting (rear)	Operate
				Other than the above	0 or 12 V
21 (SB)	Ground	Tilt sensor signal	Input	Steering tilt	Operate
				Other than the above	0 or 5 V
22 (O)	Ground	Memory switch 1 signal	Input	Memory switch 1	Press
				Other than the above	0 - 1 V
23 (W)	Ground	Memory indica- tor 1 signal	Out- put	Memory indicator 1	Illuminate
				Other than the above	0 - 1 V
24 (Y)	Ground	Sliding switch forward signal	Input	Sliding switch	Operate (forward)
				Other than the above	0 - 1 V





# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value	
+	-	Signal name	Input/ output			
25 (R/G)	Ground	Reclining switch forward signal	Input	Reclining switch	Operate (forward)	0 - 1 V
					Other than the above	9 - 16 V
26 (W/B)	Ground	Lifting switch (front) up signal	Input	Lifting switch (front)	Operate (up)	0 - 1 V
					Other than the above	9 - 16 V
27 (P/L)	Ground	Lifting switch (rear) up signal	Input	Lifting switch (rear)	Operate (up)	0 - 1 V
					Other than the above	9 - 16 V
28 (Y)	Ground	Set switch signal	Input	Set switch	Press	0 - 1 V
					Other than the above	4 - 6 V
33 (R)	Ground	Battery power supply	Input	—	9 - 16 V	
34 (W/B)	Ground	Sliding motor backward output signal	Out- put	Seat sliding	Operate (backward)	9 - 16 V
					Other than the above	0 - 1 V
35 (G/Y)	Ground	Reclining motor forward output signal	Out- put	Seat reclining	Operate (forward)	9 - 16 V
					Other than the above	0 - 1 V
36 (G/W)	Ground	Lifting motor (front) down out- put signal	Out- put	Seat lifting (front)	Operate (down)	9 - 16 V
					Other than the above	0 - 1 V
38 (W/R)	Ground	Sliding motor forward output signal	Out- put	Seat sliding	Operate (forward)	9 - 16 V
					Other than the above	0 - 1 V
39 (P)	Ground	Reclining motor backward output signal	Out- put	Seat reclining	Operate (backward)	9 - 16 V
					Other than the above	0 - 1 V
40 (L/R)	Ground	Lifting motor (front) up output signal	Out- put	Seat lifting (front)	Operate (up)	9 - 16 V
					Other than the above	0 - 1 V
41 (L/Y)	Ground	Lifting motor (rear) up output signal	Out- put	Seat lifting (rear)	Operate (up)	9 - 16 V
					Other than the above	0 - 1 V

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# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

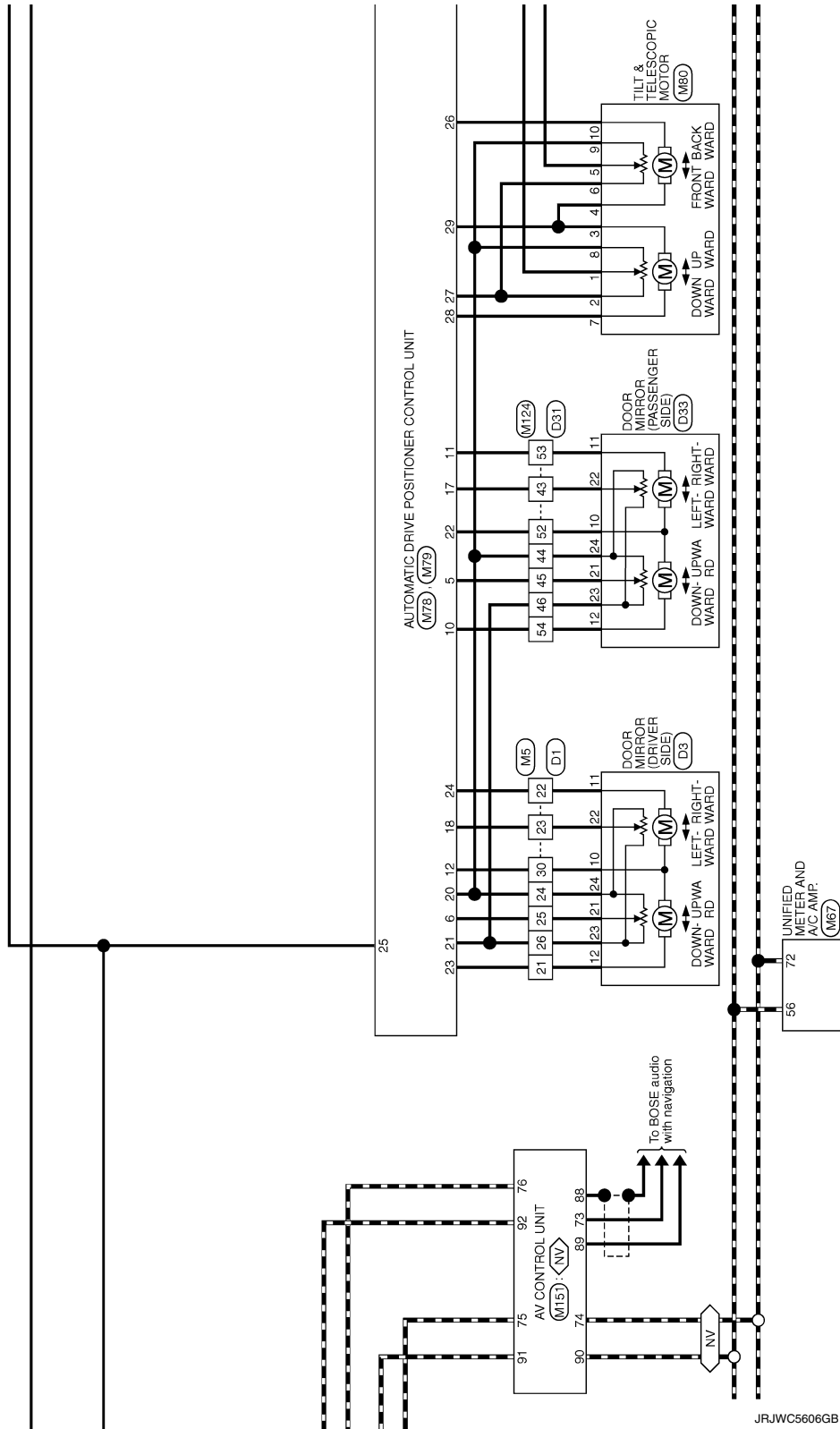
Terminal No. (Wire color)		Description		Condition	Value	
+	-	Signal name	Input/ output			
42 (R/B)	Ground	Lifting motor (rear) down out- put signal	Out- put	Seat lifting (rear)	Operate (down)	9 - 16 V
					Other than the above	0 - 1 V
43 (B)	Ground	Ground	—	—	—	0 - 1 V



# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

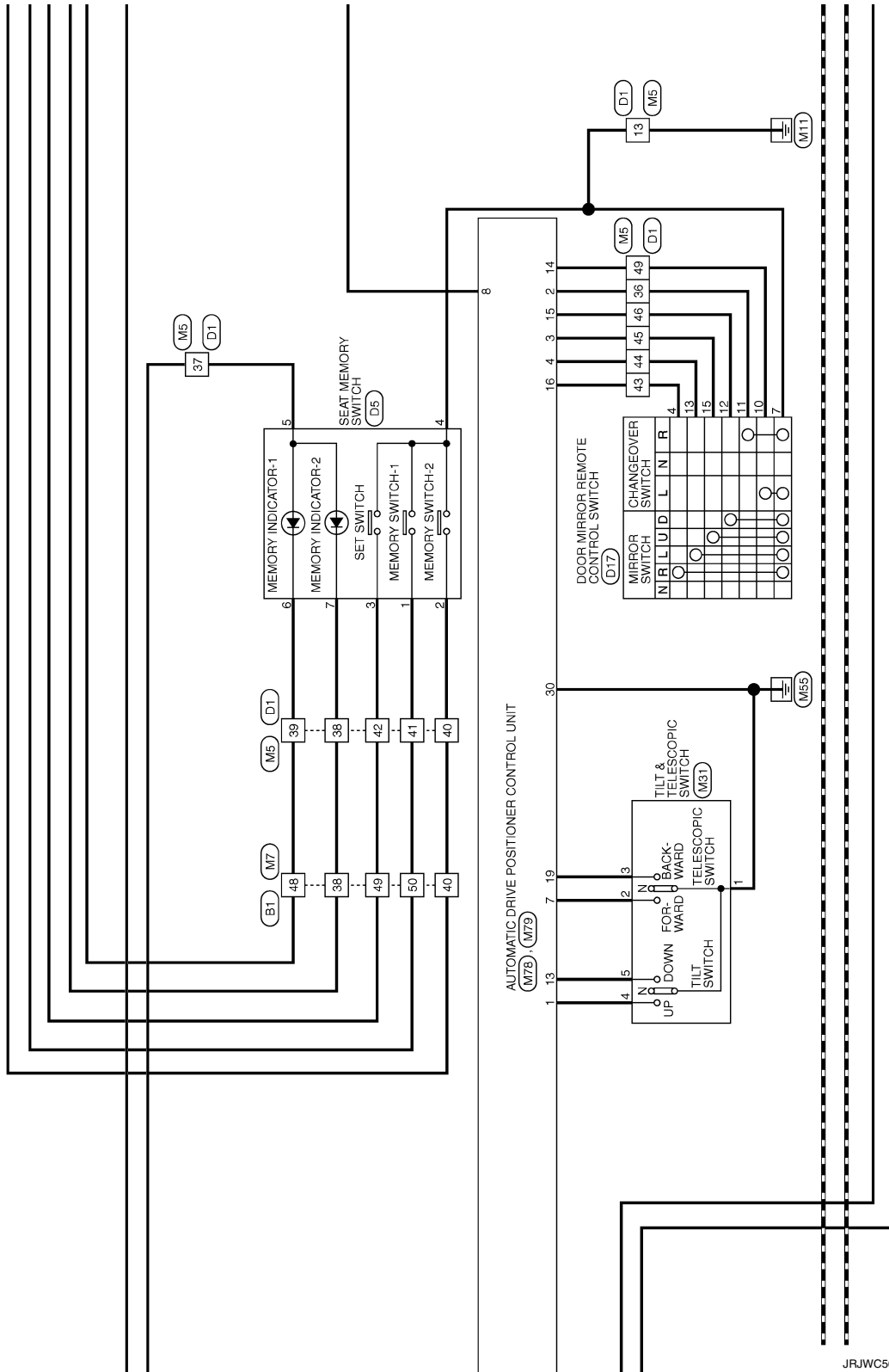
[WITH ADP]



# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]



JRJWC5607GB

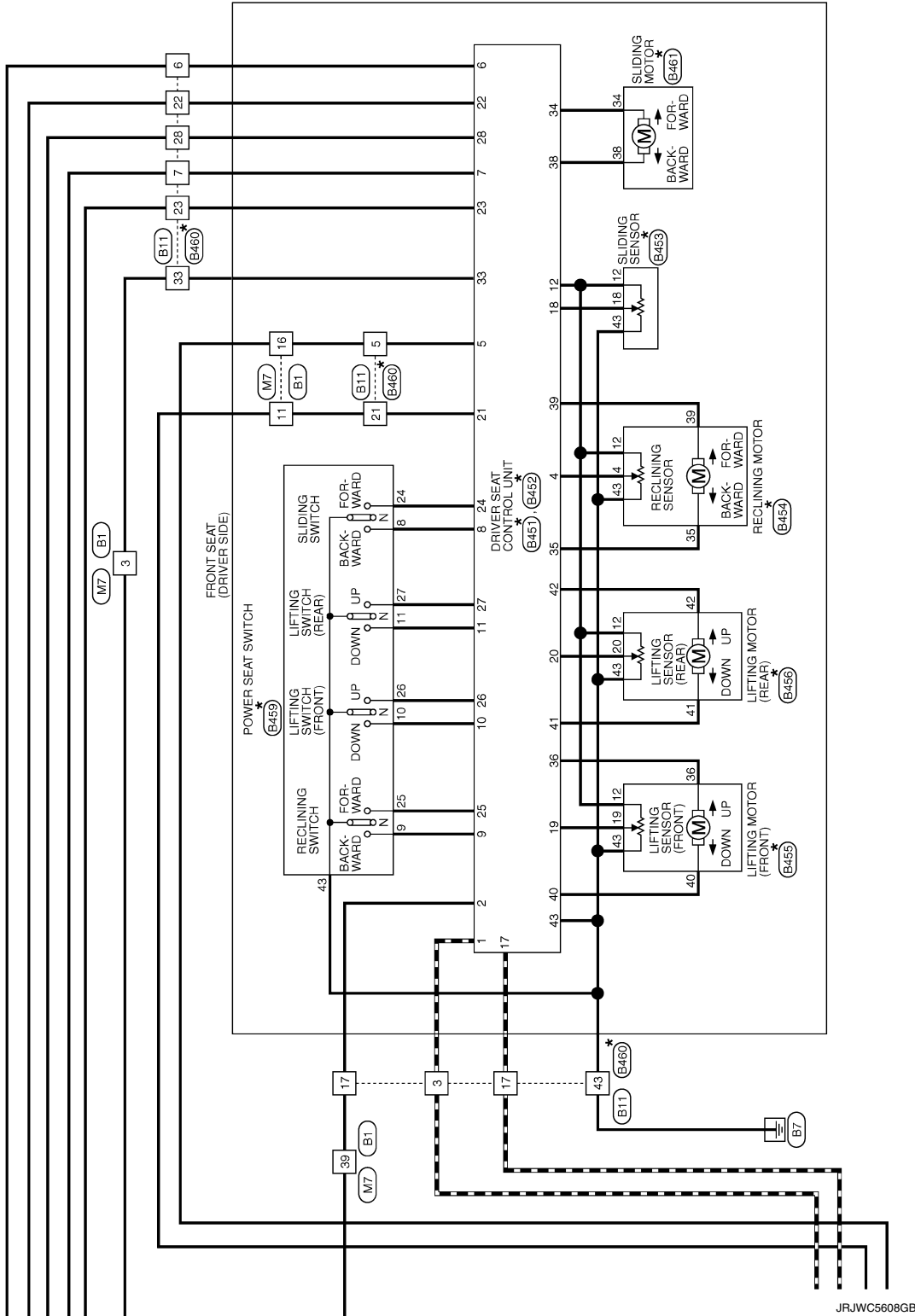
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# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]



# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

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## AUTOMATIC DRIVE POSITIONER

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	H180FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
47	SB	
48	SG	
49	R	
50	L	
60	P	
61	L	
62	SHIELD	
63	R	
64	G	
65	SHIELD	
66	W	
67	V	
68	SB	
69	SHIELD	
70	W	
71	SB	
72	W	
73	L	
74	W	
75	W	
76	BR	
77	R	
78	P	
79	GR	
80	LG	
81	LG	
82	LG	
83	BG	
84	V	
85	LG	
86	LG	
87	Y	
88	R	
89	B	
90	BG	
91	GR	
92	GR	
93	Y	
94	CS	
95	SB	
96	G	
97	Y	
98	W	
99	GR	

Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	
4	SB	
5	SB	
6	SB	
7	W	
8	Y	
9	V	
10	V	
11	V	
12	SB	
13	LG	
14	GR	
15	LG	
16	R	
17	W	
18	SB	
19	LG	
20	GR	
21	SHIELD	
22	SHIELD	
23	P	
24	P	
25	P	
26	R	
27	W	
28	R	
29	W	
30	SHIELD	
31	SHIELD	
32	W	
33	SB	
34	L	
35	P	
36	L	
37	P	
38	P	
39	Y	
40	SB	
44	Y	
45	GR	
46	LG	

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	H182MW-H4



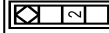
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	
2	W	
3	SB	
4	R	
5	W	
6	G	
7	LG	
8	B	
9	B	
10	B	
11	B	
12	B	
13	B	
14	SB	
15	GR	
16	P	
17	G	
18	G	
19	B	
20	SHIELD	
21	BG	
22	Y	
23	W	
24	W	
25	W	
26	W	
27	W	
28	R	
29	L	
30	SHIELD	
31	Y	

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	H181FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	
4	L	
5	SB	
6	SB	
7	P	
8	P	
9	Y	
10	P	
11	V	
12	V	
13	V	
14	L	
15	L	
16	R	
17	R	
18	R	
19	B	
20	B	
21	B	
22	B	
23	BG	
24	R	
25	R	
26	R	
27	R	
28	B	
29	B	
30	G	
31	GR	
32	GR	
33	GR	
34	Y	
35	Y	
36	Y	
37	Y	
38	Y	
39	Y	
40	Y	
41	Y	
42	Y	
43	Y	
44	Y	
45	Y	
46	Y	
47	Y	
48	Y	
49	Y	
50	Y	
51	Y	
52	Y	
53	Y	
54	Y	
55	Y	
56	Y	
57	Y	
58	Y	
59	Y	
60	Y	
61	Y	
62	Y	
63	Y	
64	Y	
65	Y	
66	Y	
67	Y	

Connector No.	B18
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	

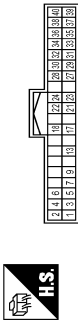
# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH46FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	P	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (6-PULSE)
7	V	REVERSE SIGNAL
8	V	CONTROL SIGNAL
13	B	AV COMM (H)
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	G	-
24	W	CAMERA IMAGE SIGNAL
28	SHIELD	CAMERA IMAGE SIGNAL GND
29	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SHIELD
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE SIGNAL GND

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH132FW



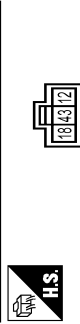
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	CAN-L
2	-	IMST (TY, 6X)
3	-	PULSE (RECLINER)
4	-	PULSE (TELESCOPIC)
5	-	ADDRESS 2
6	-	IND 2
7	-	SLIDE SW (BACKWARD)
8	-	RECLINER SW (BACKWARD)
9	-	FRONT LIFTER SW (DOWNWARD)
10	-	REAR LIFTER SW (DOWNWARD)
11	-	POWER SUPPLY (ENCODER)
12	-	CAN-L
17	-	PULSE (SLIDE)
18	-	PULSE (FRONT LIFTER)
19	-	PULSE (REAR LIFTER)
21	-	PULSE (L)
22	-	ADDRESS 1
23	-	IND 1
24	-	SLIDE SW (FORWARD)
25	-	RECLINER SW (FORWARD)
26	-	FRONT LIFTER SW (UPWARD)
27	-	REAR LIFTER SW (UPWARD)
28	-	SET SW

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
34	-	BAT (PTC)
35	-	SLIDE MOTOR (BACKWARD)
36	-	RECLINER MOTOR (FORWARD)
38	-	FRONT LIFTER MOTOR (DOWNWARD)
39	-	SLIDE MOTOR (FORWARD)
40	-	RECLINER MOTOR (BACKWARD)
41	-	FRONT LIFTER MOTOR (UPWARD)
42	-	REAR LIFTER MOTOR (DOWNWARD)
43	-	GND

Connector No.	B453
Connector Name	SLIDING SENSOR
Connector Type	BS53 0241



Terminal No.	Color Of Wire	Signal Name [Specification]
12	O	-
18	R	-
43	GR	-

Connector No.	B454
Connector Name	RECLINING MOTOR
Connector Type	NS06FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
12	WG	-
35	P	-
39	G.Y	-
43	GR	-

Connector No.	B455
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	NS06FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
12	O	-
19	Y/B	-
38	L/R	-
40	G/W	-
43	GR	-



# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Connector No.	B456
Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS16PWR-CS



12	13	20	41
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Terminal No.	Color Of Wire	Signal Name [Specification]
12	O	
20	P/B	
41	P/B	
42	L/Y	
43	GR	

Connector No.	B459
Connector Name	POWER SEAT SWITCH
Connector Type	NS16PWR-CS



43	41	27
9	23	8
24	10	26

Terminal No.	Color Of Wire	Signal Name [Specification]
8	BR	
9	SB	
10	LG/R	
11	G/B	
24	Y	
25	R/G	
26	W/B	
27	P/L	
43	B/W	

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MWC-CS



19	3	43	17	5	21	29
67	60	66	6	32	22	33
7	23					

Terminal No.	Color Of Wire	Signal Name [Specification]
3	R/Y	
8	Y	
7		
17	Y/R	
19	V	
21	L/Y	
22		
23		
25		
32	B/W	
33	R	
43		
60	Y/R	
66	B	
67	L	

Connector No.	B461
Connector Name	SLIDING MOTOR
Connector Type	80698-0239



34	36
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Terminal No.	Color Of Wire	Signal Name [Specification]
34	W/R	
36	W/B	

37	R	
38	D	
39	C	
40	BR	
41	L	
42	GR	
43	BR	[With automatic drive positioner]
43	O	[Without automatic drive positioner]
44	GR	[Without automatic drive positioner]
44	W	[With automatic drive positioner]
45	G	[Without automatic drive positioner]
45	Y	[With automatic drive positioner]
46	G	[With automatic drive positioner]
46	V	[Without automatic drive positioner]
47	R	
48	Y	
49	GR	
50	SHIELD	
52	R	
53	SB	
54	O	
55	Y	

Connector No.	B3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MM-HH



12	11	10	7	6	5	3	2
24	23	22	21	19	18	17	14

Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	
10	G	
12	O	
14	LG	
17	G	SIDE CAMERA LH IMAGE GND
18	W	SIDE CAMERA LH GND
19	B	

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## MIR

# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

21	GR	-
22	BR	-
23	V	-
24	V	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	AUBFW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	GR	-
4	B	-
5	R	-
6	O	-
7	P	-

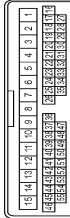
Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
6	GR	-
7	BR	-
8	B	-
9	R	-
10	GR	-
11	LG	-
12	G	-

13	W	-
18	Y	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-C515



Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	BR	-
9	V	-
12	P	-
13	LG	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	X	-
19	B	-
20	B	-
21	GR	- [With BOSE audio] - [Without BOSE audio]
22	V	-
23	P	-
24	W	-
25	SB	-
26	R	-
28	SHIELD	-
30	W	-
31	LG	-
32	BR	-
33	B	-
34	GR	-
35	G	-
36	R	-
37	G	-
43	Y	-
44	V	-
45	P	-

46	W	-
47	SHIELD	-
52	G	-
53	GR	-
54	O	-
55	L	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	SIDE CAMERA RH COMM
4	LG	SIDE CAMERA RH IMAGE SIGNAL
5	B	SIDE CAMERA RH POWER SUPPLY
6	R	-
7	L	-
10	G	-
11	CO	-
12	CO	-
16	BR	-
17	G	SIDE CAMERA RH IMAGE GND
18	Y	SIDE CAMERA RH GND
19	B	-
21	P	-
22	Y	-
23	W	-
24	V	-

Connector No.	E06
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-C516-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	B	-
4	GR	-
5	GR	-
6	Y	-
8	BR	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
18	SP	-
19	SP	-
20	EG	-
21	V	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BG	-
32	W	-
33	B	-
34	C	-
35	C	-
36	SHIELD	-
37	V	-
38	BR	-
39	EG	-
41	W	-
42	G	-

# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >



[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

43	BR	-	-	-	-
44	W	-	-	-	-
45	L	-	-	-	-
50	P	-	-	-	-
51	L	-	-	-	-
54	BG	-	-	-	-
57	BR	-	-	-	-
59	W	-	-	-	-
60	LG	-	-	-	-
61	G	-	-	-	-
62	SB	-	-	-	-
63	W	-	-	-	-
64	B	-	-	-	-
65	G	-	-	-	-
66	R	-	-	-	-
68	SHIELD	-	-	-	-
69	LG	-	-	-	-
70	W	-	-	-	-
71	R	-	-	-	-
72	Y	-	-	-	-
73	B	-	-	-	-
74	BR	-	-	-	-
74	L	-	-	-	-
75	G	-	-	-	-
75	W	-	-	-	-
76	W	-	-	-	-
76	Y	-	-	-	-
77	P	-	-	-	-
77	R	-	-	-	-
78	BR	-	-	-	-
78	L	-	-	-	-
79	Y	-	-	-	-
80	SB	-	-	-	-
81	R	-	-	-	-
82	SB	-	-	-	-
83	BG	-	-	-	-
84	G	-	-	-	-
85	L	-	-	-	-
86	P	-	-	-	-
87	V	-	-	-	-
89	GR	-	-	-	-
90	SHIELD	-	-	-	-
92	Y	-	-	-	-
93	V	-	-	-	-
94	LG	-	-	-	-
95	BG	-	-	-	-
96	P	-	-	-	-



97	R	-	-	-	-
98	SHIELD	-	-	-	-
98	L	-	-	-	-
100	P	-	-	-	-

Connector No. F51  
 Connector Name A/T ASSEMBLY  
 Connector Type HRK(UFG-EDY)

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGNITION POWER SUPPLY
2	BR	BATTERY POWER SUPPLY
3	O	CAN-H
4	V	K-LINE
5	B	GROUND
6	Y	IGNITION POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	LG	CAN-L
9	GR	STARTER RELAY
10	B	GROUND


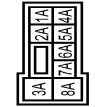
Connector No. F301	
Connector Name TOM	
Connector Type SPT(UFG)	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY
3	-	CAN-H
4	-	K-LINE


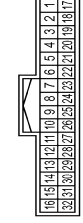
5	-	GROUND
7	-	IGNITION SUPPLY
8	-	BACK-UP LAMP RELAY
8	-	CAN-L
14	V	STARTER RELAY
15	V	GROUND

Connector No. M1  
 Connector Name FUSE BLOCK (J/B)  
 Connector Type INS09FW-HZ

Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	L	-
4A	R	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-


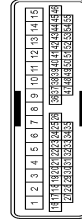
Connector No. M4	
Connector Name WIRE TO WIRE	
Connector Type TH432FW-NH	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-

5	W	-
9	G	-
9	LG	-
6	SB	-
14	V	-
15	V	-
16	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
31	SHIELD	-
31	Y	-

Connector No. M5	
Connector Name WIRE TO WIRE	
Connector Type TH440MW-SS15	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	BR	-
4	P	-
5	L	-
6	R	-
7	R	-
8	W	-
9	G	-
10	L	-
12	V	-
13	B	-
14	Y	-
15	W	-
16	R	-

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# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

17	B	-
18	G	-
19	Y	-
20	L	-
21	LG	-
22	L	-
23	G	-
24	Y	-
25	GR	-
26	R	-
27	W	-
28	SHIELD	-
29	Y	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-
37	BR	-
38	P	-
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
47	R	-
48	G	-
49	P	-
50	SHIELD	-
52	R	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C516-1M4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	R	-
4	SHIELD	-
5	G	-
8	Y	-
9	BR	-
10	R	-
11	BG	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	SB	-
17	L	-
18	BG	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	R	-
34	R	-
35	SHIELD	-
36	V	-
37	Y	-
38	BG	-
39	BR	-
41	W	-
42	BG	-

43	BG	-
44	W	-
45	L	-
49	L	-
50	P	-
51	BR	-
54	Y	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
74	L	- [With LCC]
75	G	-
76	GR	-
76	GR	- [Without LCC]
77	P	-
77	P	- [Without LCC]
78	L	-
78	L	- [Without LCC]
78	R	-
79	W	-
79	Y	- [With LCC]
80	SB	-
81	SB	-
82	SB	-
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
88	GR	-
89	SHIELD	-
90	W	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-

68	SHIELD	-
68	SB	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C516-1M4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
3	W	-
5	G	-
6	BG	-
7	W	-
8	B	-
11	V	-
12	SB	-
13	LG	-
14	G	-
15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	P	-
32	B	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-

# DRIVER SEAT CONTROL UNIT

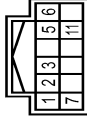
< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

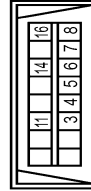
39	7	-
40	SB	-
41	GR	-
42	GR	-
43	GR	-
44	LG	-
45	GR	-
46	LG	-
47	SB	-
48	BG	-
49	R	-
50	L	-
51	L	-
52	L	-
53	R	-
54	G	-
55	SHIELD	-
56	Y	-
57	Y	-
58	LG	-
59	SHIELD	-
60	W	-
61	G	-
62	R	-
63	G	-
64	W	-
65	W	-
66	W	-
67	P	-
68	P	-
69	GR	-
70	EG	-
71	Y	-
72	Y	-
73	W	-
74	BR	-
75	EG	-
76	G	-
77	V	-
78	BR	-
79	BR	-
80	EG	-
81	G	-
82	V	-
83	BR	-
84	EG	-
85	G	-
86	V	-
87	BR	-
88	EG	-
89	G	-
90	V	-
91	BR	-
92	BR	-
93	BR	-
94	V	-
95	G	-
96	Y	-
97	W	-
98	W	-
99	R	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH1



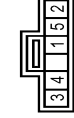
Terminal No.	Color	Wire	Signal Name [Specification]
1	R	BR	BAT
2	WR	W	DATA
3	Y	Y	DATA
4	Y	Y	ILL BAT
5	Y	Y	ILL
6	LG	LG	GROUND
7	B	B	KEY SWITCH SIGNAL
11	BR	BR	GROUND

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



Terminal No.	Color	Wire	Signal Name [Specification]
3	LG	-	-
4	B	-	-
5	B	-	-
6	L	-	-
7	V	-	-
8	G	-	-
14	SB	-	-
16	Y	-	-

Connector No.	M51
Connector Name	TILT & TELESCOPIC SWITCH
Connector Type	TK08EGY



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	-
2	C	-	-
3	Y	-	-
4	Y	-	-
5	W	-	-

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD2FW-PLG



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	-
2	SB	-	-

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH132FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
41	Y	Y	ACC POWER SUPPLY
42	Y	Y	FUEL LEVEL SENSOR SIGNAL
43	P	P	BRAKE SENSOR SIGNAL
44	LG	LG	IN-VEHICLE SENSOR SIGNAL
45	P	P	AMBIENT SENSOR SIGNAL
46	EG	EG	SUNLOAD SENSOR SIGNAL
47	G	G	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL
53	G	G	IGNITION POWER SUPPLY
54	Y	Y	BATTERY POWER SUPPLY
55	B	B	GROUND
56	L	L	CAN-H
57	W	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	BR	FUEL LEVEL SENSOR GROUND
59	GR	GR	INITIAL SENSOR GROUND
60	GR	GR	IN-VEHICLE SENSOR GROUND
61	BR	BR	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR GROUND
62	SB	SB	SUNLOAD SENSOR GROUND
63	R	R	-
65	EG	EG	ECV SIGNAL
69	L	L	A/C LAN SIGNAL
70	R	R	EACH DOOR MOTOR POWER SUPPLY
71	B	B	GROUND
72	P	P	CAN-L

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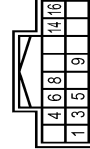
# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH42FE1-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	ACC
3	R	ILL
4	Y	ILL CONT
5	Y	AV COMM (H)
6	SB	AV COMM (L)
8	LG	SW GND
9	B	DISK EJECT SIGNAL
14	Y	HAZARD ON
16	G	

Connector No.	M73
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	TH24FE1-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	UPWARD
2	LG	SELECT RH
3	G	UPWARD
4	Y	UPWARD
5	B	MIR SENS UP (DOWN/SH)
6	GR	MIR SENS UP (DOWN/WALL/SH)
7	GR	FORWARD
8	Y	RX TX
10	W	MIR MTR UP (RH)
11	G	MIR MTR LEFT (RH)
12	Y	MIR MTR DOWN RIGHT (LH)

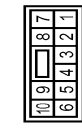
13	W	DOWNWARD
14	P	SELECT LH
15	SB	DOWNWARD
16	BR	RIGHTWARD
17	L	MIR SENS LEFT (RIGHT/RH)
18	G	MIR SENS LEFT (RIGHT/LH)
19	G	BACKWARD
20	Y	SENS GND
21	R	POWER SUPPLY (SENSOR)
22	R	MIR MTR DOWN RIGHT (RH)
23	LG	MIR MTR UP (LH)
24	L	MIR MTR LEFT (LH)

Connector No.	M79
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS9REW-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
25	SB	BAT
26	L	BACKWARD
27	P	STERG SENS VCC
28	G	DOWNWARD
29	LG	UPWARD/FORWARD
30	B	GND

Connector No.	M80
Connector Name	TILT & TELESCOPIC MOTOR
Connector Type	NS10FEW-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	
2	P	
3	LG	
4	LG	
5	R	
6	P	
7	G	
8	Y	
9	BR	
10	L	

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	IM8FE1-LC



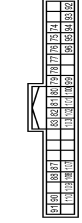
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (GND)

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS10FEW-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	Y	PASSENGER DOOR UNLOCK OUTPUT
7	Y	SEAT LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW LLL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M22
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FE1-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
80	GR	NATS ANT AMP

# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Terminal No.	Color Of Wire	Signal Name [Specification]
81	W	HATS AMP AMP
82	Y	IGN RELAY CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAH-L
91	L	CAH-H
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	Y	PUDDLE LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P
100	G	PASSENGER DOOR REQUEST SW
101	SB	DRIVER DOOR REQUEST SW
102	LG	BL MOTOR CONT
107	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
108	R	COMBI SW INPUT 1
109	Y	COMBI SW INPUT 4
110	G	HAZARD SW

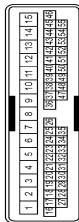
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	DRY P/B
124	GR	PASSENGER WINDOW SW COMM
132	BR	POWER WINDOW SW COMM
133	W	PUSH-BUTTON ILLUMINATION SW ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER SENSOR GND
138	Y	RECEIVER SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM

Terminal No.	Color Of Wire	Signal Name [Specification]
140	GR	SHIFTER N/P
141	Y	SEQUENCE SW CONT
142	BG	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	LG	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	-
8	LG	-
9	Y	-
12	Y	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	B	-
20	W	- [Without BOSE audio]
21	G	- [With BOSE audio]
21	L	- [With BOSE audio]
22	SB	- [Without BOSE audio]
23	GR	-
24	G	-
26	R	-
28	SHIELD	-
30	W	-
31	LG	-
32	G	-
33	BR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
34	V	-
36	Y	-
38	Y	-
37	BR	-
43	L	-
44	Y	-
45	R	-
46	W	-
47	SHIELD	-
52	G	-
53	G	-
54	W	-
55	BG	-

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



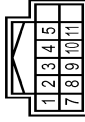
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	R	-

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-
7	R	-
8	SB	-
9	B	-
10	GR	-
11	R	-

Connector No.	M151
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL

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# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

71	SHIELD	SHIELD
72	MICROPHONE VCC	SHIELD
73	R	CAMERA POWER SUPPLY
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (B-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	SHIELD	SHIELD
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	M215
Connector Name	AV CONTROL UNIT
Connector Type	THR2FW-NH



36	37	38	39	40	41	42	43	44	45	46	47	
48	49	50	51	52							57	58

Terminal No.	Color Of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LG	SIGNAL GND
38	R	HP
39	BR	COMM (DISP->CONT)
40	B	RGB AREA (YS) SIGNAL
41	SHIELD	RGB SYNC GND
42	W	RGB SYNC
43	G	RGB (RRED) SIGNAL
44	L	RGB (GREEN) SIGNAL
45	P	RGB (BLUE) SIGNAL
46	V	COMPOSITE IMAGE SIGNAL GND
47	SB	COMPOSITE IMAGE SIGNAL
48	Y	INVERTER VCC
49	BR	INVERTER GND
50	G	VP
51	Y	COMM (CONT->DISP)
52	SHIELD	SHIELD

57	SHIELD	SHIELD
58	SHIELD	COMP OUT SHIELD

Connector No.	M217
Connector Name	AV CONTROL UNIT
Connector Type	THR2FW-NH



76	77	78	79	80	81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96					

Terminal No.	Color Of Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	B	SW GND
83	SHIELD	SHIELD
87	L	TEL VOICE SIGNAL (+)
88	P	TEL VOICE SIGNAL (-)
89	R	VEHICLE SPEED SIGNAL (B-PULSE)
92	V	PARKING BRAKE SIGNAL
94	BG	REVERSE SIGNAL
95	G	IGNITION SIGNAL
96	Y	DISK EJECT SIGNAL

## Fail Safe

The fail-safe mode may be activated if the following symptoms are observed.

JRJWC5659GB

INFOID:000000011067116



# DRIVER SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Operating in fail-safe mode	Malfunction Item	Related DTC	Diagnosis
Only manual functions operate normally.	CAN communication	U1000	<a href="#">ADP-46</a>
	CONTROL UNIT (CAN)	U1010	<a href="#">ADP-47</a>
	EEPROM	B2130	<a href="#">ADP-55</a>
Only manual functions, except door mirror, operate normally.	UART communication	B2128	<a href="#">ADP-54</a>
Only manual functions, except seat sliding, operate normally.	Seat sliding output	B2112	<a href="#">ADP-48</a>
Only manual functions, except seat reclining, operate normally.	Seat reclining output	B2113	<a href="#">ADP-50</a>
Only manual functions, except steering tilt, operate normally.	Steering column tilt output	B2116	<a href="#">ADP-55</a>

## DTC Index

INFOID:000000011067117

CONSULT display	Timing*1		Item	Reference page
	Current malfunction	Previous malfunction		
CAN COMM CIRCUIT [U1000]	0	1-39	CAN communication	<a href="#">ADP-46</a>
CONTROL UNIT (CAN) [U1010]	0	1-39	Control unit	<a href="#">ADP-47</a>
SEAT SLIDE [B2112]	0	1-39	Seat slide motor output	<a href="#">ADP-48</a>
SEAT RECLINING [B2113]	0	1-39	Seat reclining motor output	<a href="#">ADP-50</a>
STEERING TILT [B2116]	0	1-39	Tilt motor output	<a href="#">ADP-52</a>
UART COMM [B2128]	0	1-39	UART communication	<a href="#">ADP-54</a>
EEPROM [B2130]	0	1-39	EEPROM	<a href="#">ADP-55</a>

\*1:

- 0: Current malfunction is present
- 1-39: Displayed if any previous malfunction is present when current condition is normal. The numeral value increases by one at each IGN ON to OFF cycle from 1 to 39. The counter remains at 39 even if the number of cycles exceeds it. However, the counter is reset to 1 if any malfunction is detected again, the normal operation is resumed and the ignition switch is turned from OFF to ON.

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# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

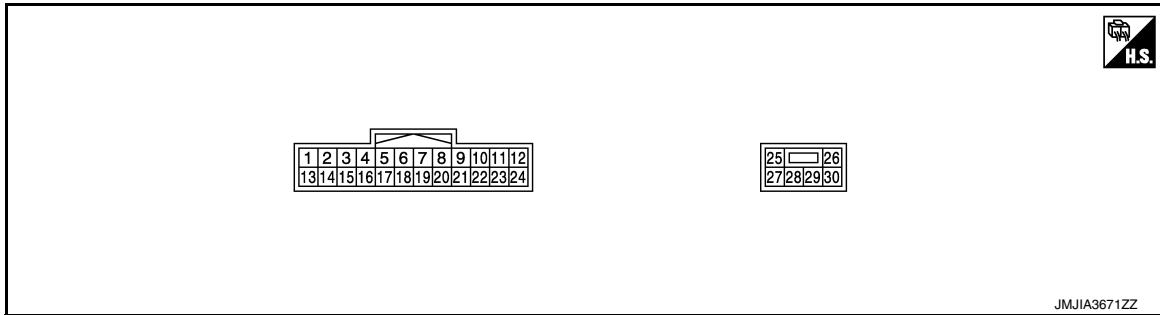
[WITH ADP]

## AUTOMATIC DRIVE POSITIONER CONTROL UNIT

### Reference Value

INFOID:000000011067119

### TERMINAL LAYOUT



### PHYSICAL VALUES

Terminal No. (wire color)		Description		Condition		Voltage
+	-	Signal name	Input/Output			
1 (Y)	Ground	Tilt switch up signal	Input	Tilt switch	Operate (up)	0 - 1 V
					Other than the above	4 - 6 V
2 (LG)	Ground	Changeover switch RH signal	Input	Changeover switch position	RH	0 - 1 V
					Neutral or LH	4 - 6 V
3 (G)	Ground	Mirror switch up signal	Input	Mirror switch	Operate (up)	0 - 1 V
					Other than the above	4 - 6 V
4 (V)	Ground	Mirror switch left signal	Input	Mirror switch	Operate (left)	0 - 1 V
					Other than the above	4 - 6 V
5 (R)	Ground	Door mirror sensor (passenger side) up/down signal	Input	Door mirror RH position		Change between 3.4 (close to peak) 0.6 (close to valley)
6 (GR)	Ground	Door mirror sensor (driver side) up/down signal	Input	Door mirror LH position		Change between 3.4 (close to peak) 0.6 (close to valley)
7 (GR)	Ground	Telescopic switch forward signal	Input	Telescopic switch	Operate (forward)	0 - 1 V
					Other than the above	4 - 6 V
8 (Y)	Ground	UART communication (TX/RX)	Input/Output	Ignition switch ON		<p style="text-align: right;">JMJA1391ZZ</p>

# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (wire color)		Description		Condition		Voltage
+	-	Signal name	Input/ Output			
10 (W)	Ground	Door mirror motor (passenger side) up/right output signal	Output	Door mirror RH	Operate (up/right)	9 - 16 V
					Other than the above	0 - 1 V
11 (G)	Ground	Door mirror motor (passenger side) down/left output signal	Output	Door mirror RH	Operate (down/left)	9 - 16 V
					Other than the above	0 - 1 V
12 (Y)	Ground	Door mirror motor (driver side) down/right output signal	Output	Door mirror (LH)	Operate (down/right)	9 - 16 V
					Other than the above	0 - 1 V
13 (W)	Ground	Tilt switch down signal	Input	Tilt switch	Operate (down)	0 - 1 V
					Other than the above	4 - 6 V
14 (P)	Ground	Changeover switch LH signal	Input	Changeover switch position	LH	0 - 1 V
					Neutral or RH	4 - 6 V
15 (SB)	Ground	Mirror switch down signal	Input	Mirror switch	Operate (down)	0 - 1 V
					Other than the above	4 - 6 V
16 (BR)	Ground	Mirror switch right signal	Input	Mirror switch	Operate (right)	0 - 1 V
					Other than the above	4 - 6 V
17 (L)	Ground	Door mirror sensor (passenger side) left/right signal	Input	Door mirror RH position		Change between 3.4 (close to left edge) 0.6 (close to right edge)
18 (G)	Ground	Door mirror sensor (driver side) left/right signal	Input	Door mirror LH position		Change between 0.6 (close to left edge) 3.4 (close to right edge)
19 (G)	Ground	Telescopic switch backward signal	Input	Telescopic switch	Operate (backward)	0 - 1 V
					Other than the above	4 - 6 V
20 (Y)	Ground	Ground (sensor)	—	—		0 - 1 V
21 (R)	Ground	Door mirror motor sensor power supply	Output	—		4 - 6 V
22 (R)	Ground	Door mirror motor (passenger side) down/right output signal	Output	Door mirror (RH)	Operate (down/right)	9 - 16 V
					Other than the above	0 - 1 V
23 (LG)	Ground	Door mirror motor (driver side) up/right output signal	Output	Door mirror (LH)	Operate (up/right)	9 - 16 V
					Other than the above	0 - 1 V

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# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (wire color)		Description		Condition	Voltage	
+	-	Signal name	Input/ Output			
24 (L)	Ground	Door mirror motor (driver side) down/left output signal	Output	Door mirror (LH)	Operate (down/left)	9 - 16 V
					Other than the above	0 - 1 V
25 (SB)	Ground	Battery power supply	Input	—	9 - 16 V	
26 (L)	Ground	Telescopic motor backward output signal	Output	Steering telescopic	Operate (backward)	9 - 16 V
					Other than the above	0 - 1 V
27 (P)	Ground	Tilt & telescopic sensor power supply	Output	—	9 - 16 V	
28 (G)	Ground	Tilt motor down output signal	Output	Steering tilt	Operate (down)	9 - 16 V
					Other than the above	0 - 1 V
29 (LG)	Ground	Tilt motor up output signal	Output	Steering tilt	Operate (up)	9 - 16 V
					Other than the above	0 - 1 V
		Telescopic motor forward output signal		Steering telescopic	Operate (forward)	9 - 16 V
					Other than the above	0 - 1 V
30 (B)	Ground	Ground (power)	—	—	0 - 1 V	

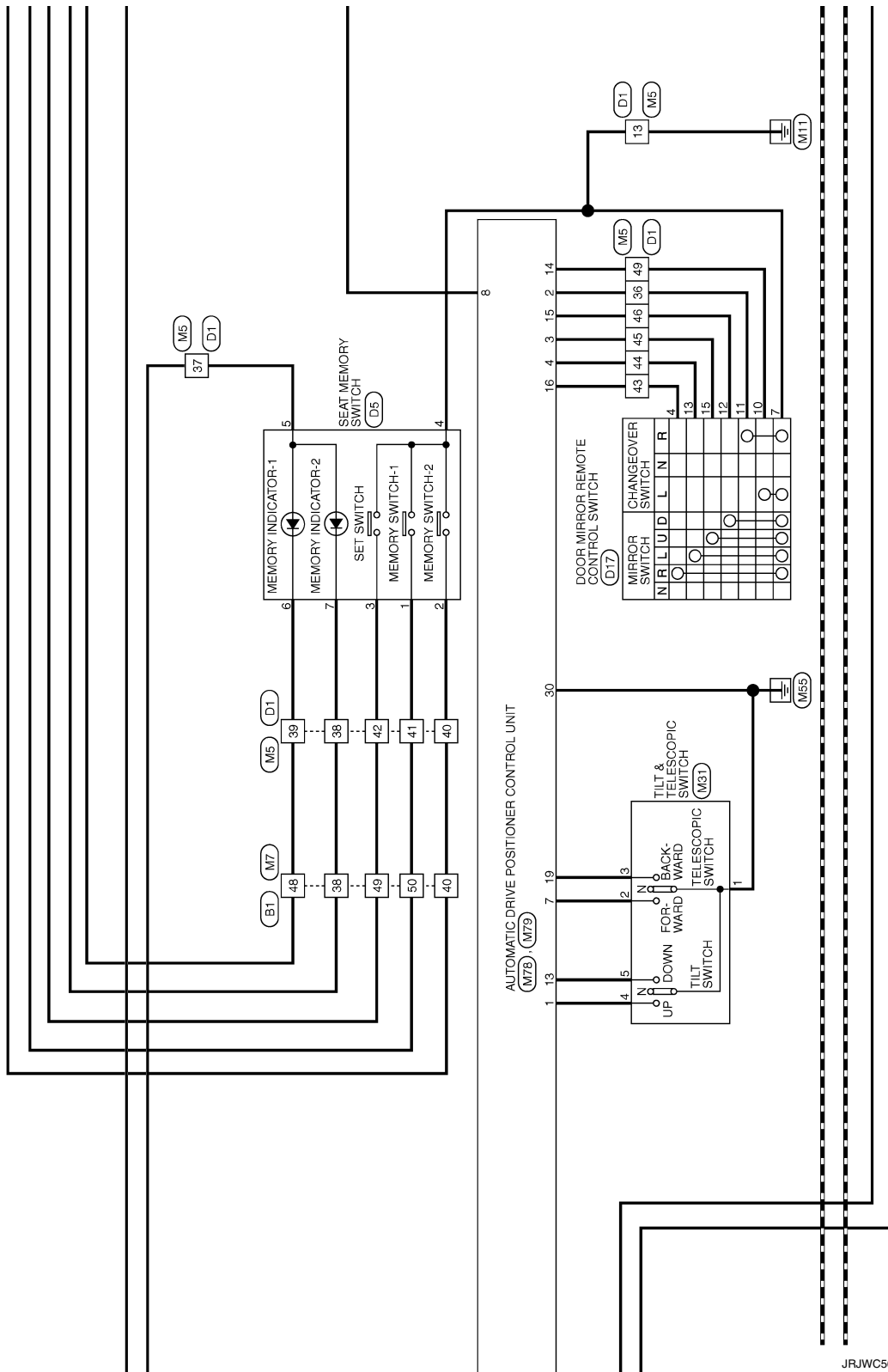




# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]



JRJCW5607GB

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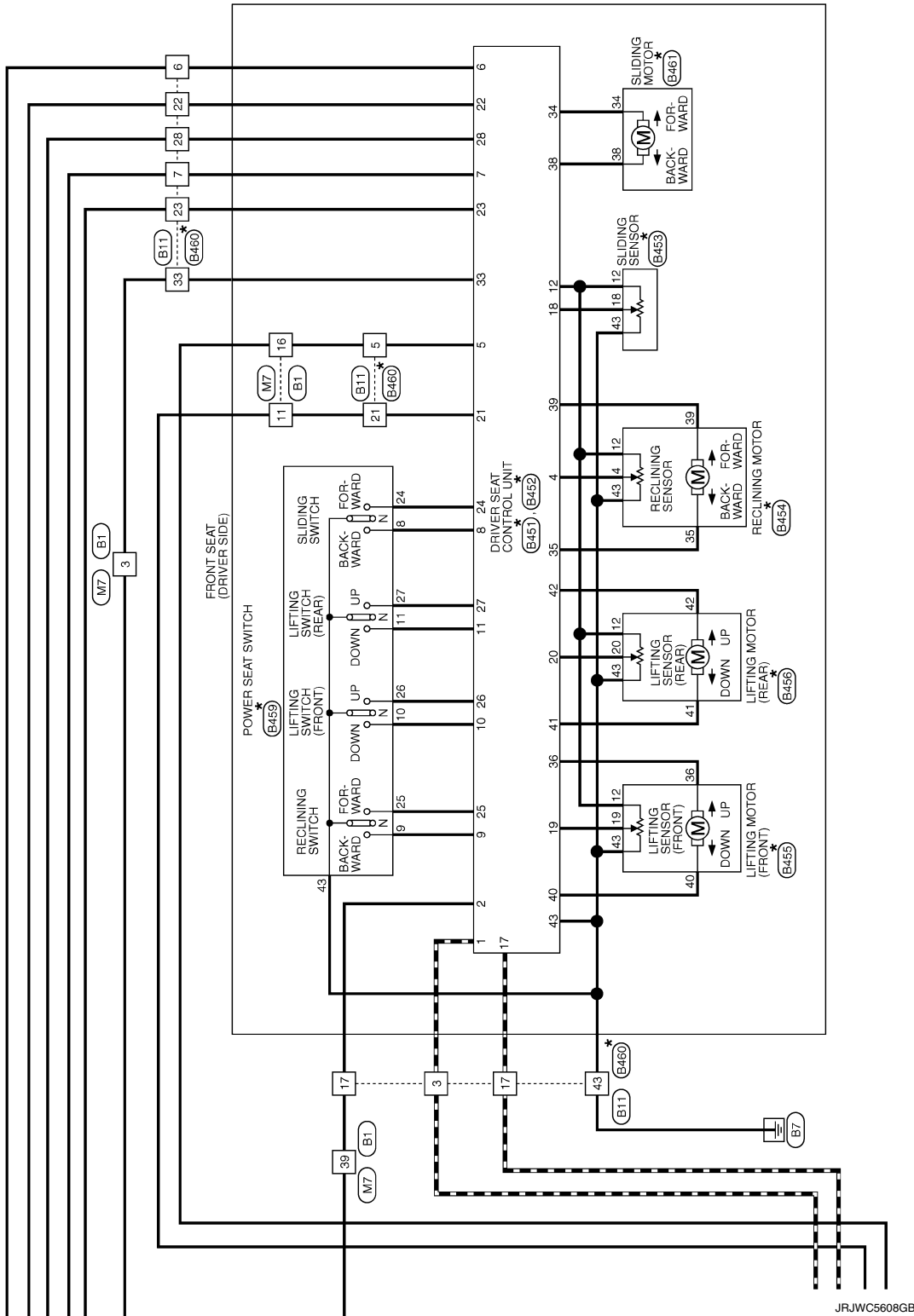
MIR

# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

\*: This connector is not shown in "Harness Layout".





# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	H180FW-CS16-TM4



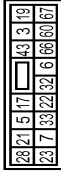
Terminal No.	Color Of Wire	Signal Name [Specification]
47	SB	
48	SG	
49	R	
50	L	
60	P	
61	L	
62	SHIELD	
63	R	
64	G	
65	SHIELD	
66	W	
67	V	
68	SB	
69	SHIELD	
70	W	
71	SB	
72	W	
73	L	
74	W	
75	W	
76	BR	
77	R	
78	P	
79	GR	
80	LG	
81	SB	
82	LG	
83	BG	
84	V	
85	LG	
86	LG	
87	Y	
88	R	
89	B	
90	BG	
91	SHIELD	
92	GR	
93	Y	
94	CS	
95	SB	
96	R	
97	G	
98	Y	
99	W	
	GR	

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	H182MW-H4



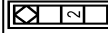
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	
2	W	
3	SB	
4	R	
5	W	
6	G	
7	G	
8	B	
9	LG	
10	LG	
11	SB	
12	SB	
13	LG	
14	SB	
15	GR	
16	P	
17	G	
18	SB	
19	LG	
20	SHIELD	
21	BG	
22	Y	
23	W	
24	Y	
25	W	
26	W	
27	W	
28	R	
29	L	
30	SHIELD	
31	Y	

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	H180FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	
4	L	
5	SB	
6	SB	
7	P	
8	P	
9	Y	
10	P	
11	V	
12	V	
13	L	
14	LG	
15	GR	
16	R	
17	B	
18	R	
19	B	
20	B	
21	G	
22	G	
23	GR	
24	GR	
25	GR	
26	GR	
27	Y	
28	Y	
29	Y	
30	Y	
31	Y	

Connector No.	B18
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	

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# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Connector No.	B456
Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS16PWR-CS



12	13	20	41
17	18	21	22

Terminal No.	Color Of Wire	Signal Name [Specification]
12	O	
20	P/B	
41	P/B	
42	L/Y	
43	GR	

Connector No.	B459
Connector Name	POWER SEAT SWITCH
Connector Type	NS16PWR-CS



43	41	27
9	23	8
24	10	26

Terminal No.	Color Of Wire	Signal Name [Specification]
8	BR	
9	SB	
10	LG/R	
11	G/B	
24	Y	
25	R/G	
26	W/B	
27	P/L	
43	B/W	

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MWC-CS



19	3	43	17	5	21	29
67	60	66	6	32	22	33
7	23					

Terminal No.	Color Of Wire	Signal Name [Specification]
3	R/Y	
8	Y	
7		
17	Y/R	
19	V	
21	L/Y	
22		
23		
25		
32	B/W	
33	R	
43		
60	Y/R	
66	B	
67	L	

Connector No.	B461
Connector Name	SLIDING MOTOR
Connector Type	80698-0239



34	36
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Terminal No.	Color Of Wire	Signal Name [Specification]
34	W/R	
36	W/B	

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH46PW-CS15



14	11	11	10	8	7	6	5	4	3	2	1
48	44	43	42	41	40	39	38	37	36	35	34
33	32	31	30	29	28	27	26	25	24	23	22

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	R	
3	Y	
4	W	
5	L	
6	O	
7	GR	
8	W	
9	O	
10	BR	
11	P	
12	LG	
13	B	
14	Y	
15	W	
16	W	
17	W	
18	G	
19	Y	
20	W	
21	O	
22	P	
23	BR	
24	V	
25	GR	
26	Y	
27	B	
28	SHIELD	
29	LG	
30	W	
31	W	
32	G	
33	L	
34	SB	
35	R	
36	LG	

37	R	
38	D	
39	C	
40	BR	
41	L	
42	GR	
43	BR	- [With automatic drive positioner]
43	O	- [Without automatic drive positioner]
44	GR	- [With automatic drive positioner]
44	W	- [Without automatic drive positioner]
45	G	- [With automatic drive positioner]
45	Y	- [Without automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
47	R	
48	Y	
49	GR	
50	SHIELD	
52	R	
53	SB	
54	O	
55	Y	

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MM-HH



12	11	10	7	6	5	3	2
24	23	22	21	19	18	17	14

Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
9	R	SIDE CAMERA LH POWER SUPPLY
10	G	
11	O	
12	O	
14	LG	
17	G	SIDE CAMERA LH IMAGE GND
18	W	SIDE CAMERA LH GND
19	B	

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# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

21	GR	-
22	BR	-
23	V	-
24	V	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	AUBFW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	GR	-
4	B	-
5	R	-
6	O	-
7	P	-

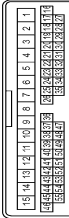
Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
8	BR	-
9	BR	-
10	GR	-
11	GR	-
12	LG	-
13	G	-
14	R	-
15	LG	-

13	W	-
18	Y	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-C515



Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	BR	-
9	V	-
12	P	-
13	LG	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	X	-
19	B	-
20	B	-
21	R	- [With BOSE audio] - [Without BOSE audio]
21	BR	- [With BOSE audio]
22	V	-
23	P	-
24	W	-
25	SB	-
26	R	-
28	SHIELD	-
30	W	-
31	LG	-
32	BR	-
33	B	-
34	GR	-
35	G	-
36	R	-
37	G	-
43	Y	-
44	V	-
45	P	-

46	W	-
47	SHIELD	-
52	G	-
53	GR	-
54	O	-
55	L	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	SIDE CAMERA RH COMM
4	LG	SIDE CAMERA RH IMAGE SIGNAL
5	B	SIDE CAMERA RH POWER SUPPLY
6	R	-
7	L	-
10	G	-
11	CO	-
12	CO	-
16	BR	-
17	G	SIDE CAMERA RH IMAGE GND
18	Y	SIDE CAMERA RH GND
19	B	-
21	P	-
22	Y	-
23	W	-
24	V	-

Connector No.	E06
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-C516-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	B	-
4	GR	-
5	GR	-
6	Y	-
8	BR	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	Y	-
18	SP	-
20	EG	-
21	V	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BG	-
32	W	-
33	B	-
34	C	-
35	C	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
41	W	-
42	G	-



# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

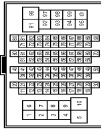
< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

17	B	-
18	G	-
19	Y	-
20	L	-
21	LG	-
22	L	-
23	G	-
24	Y	-
25	GR	-
26	R	-
27	W	-
28	SHIELD	-
29	Y	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-
37	BR	-
38	P	-
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
47	R	-
48	G	-
49	P	-
50	SHIELD	-
52	R	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MK-C516-1M4

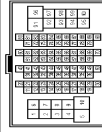


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	R	-
4	SHIELD	-
5	G	-
8	Y	-
9	BR	-
10	R	-
11	BG	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	SB	-
17	L	-
18	BG	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	R	-
34	R	-
35	SHIELD	-
36	V	-
37	Y	-
38	BG	-
39	BR	-
41	W	-
42	BG	-

43	BG	-
44	W	-
45	L	-
49	L	-
50	P	-
51	BR	-
54	Y	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
74	L	- [With LCC]
75	G	-
76	GR	-
76	W	- [Without LCC]
77	P	-
77	P	- [Without LCC]
78	L	-
78	L	- [Without LCC]
78	R	-
79	W	-
79	Y	- [With LCC]
80	SB	-
81	SB	-
82	SB	-
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
88	GR	-
89	SHIELD	-
90	W	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-

68	SHIELD	-
69	SB	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MK-C516-1M4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
5	G	-
6	BG	-
7	W	-
8	B	-
11	V	-
12	SB	-
13	LG	-
14	G	-
15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	P	-
32	B	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-

# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

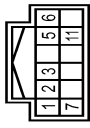

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

**AUTOMATIC DRIVE POSITIONER**

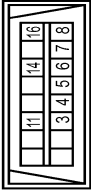

39	7	-
40	SB	-
41	-	-
42	-	-
43	GR	-
44	LG	-
45	GR	-
46	LG	-
47	SB	-
48	BG	-
49	R	-
50	L	-
51	-	-
52	P	-
53	L	-
54	SHIELD	-
55	R	-
56	G	-
57	SHIELD	-
58	SP	-
59	Y	-
60	LG	-
61	SHIELD	-
62	W	-
63	G	-
64	R	-
65	W	-
66	W	-
67	B	-
68	P	-
69	GR	-
70	EG	-
71	Y	-
72	W	-
73	BR	-
74	EG	-
75	G	-
76	W	-
77	B	-
78	P	-
79	GR	-
80	EG	-
81	LG	-
82	Y	-
83	W	-
84	BR	-
85	EG	-
86	G	-
87	V	-
88	BR	-
89	EG	-
90	G	-
91	V	-
92	BR	-
93	EG	-
94	V	-
95	G	-
96	Y	-
97	W	-
98	W	-
99	R	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH1



Terminal No.	Color	Wire	Signal Name [Specification]
1	R	-	BAT
2	WR	-	DATA
3	W	-	DATA
4	Y	-	ILL BAT
5	Y	-	ILL
6	LG	-	GROUND
7	B	-	KEY SWITCH SIGNAL
11	BR	-	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



Terminal No.	Color	Wire	Signal Name [Specification]
3	LG	-	-
4	B	-	-
5	B	-	-
6	L	-	-
7	V	-	-
8	G	-	-
14	SB	-	-
16	Y	-	-
18	Y	-	-

Connector No.	M51
Connector Name	TILT & TELESCOPIC SWITCH
Connector Type	TK08EGY



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	-
2	C	-	-
3	Y	-	-
4	Y	-	-
5	W	-	-

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD0FW-P1G

Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	-
2	SB	-	-

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH

Terminal No.	Color	Wire	Signal Name [Specification]
11	Y	-	ACC POWER SUPPLY
12	Y	-	FUEL LEVEL SENSOR SIGNAL
42	P	-	BRAKE SENSOR SIGNAL
43	LG	-	IN-VEHICLE SENSOR SIGNAL
44	LG	-	IN-VEHICLE SENSOR SIGNAL
45	P	-	SUNLOAD SENSOR SIGNAL
46	EG	-	SUNLOAD SENSOR SIGNAL
47	G	-	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL
53	G	-	IGNITION POWER SUPPLY
54	Y	-	BATTERY POWER SUPPLY
55	B	-	GROUND
56	L	-	CAN-H
57	W	-	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	-	FUEL LEVEL SENSOR GROUND
59	GR	-	INITIAL SENSOR GROUND
60	GR	-	IN-VEHICLE SENSOR GROUND
61	BR	-	IN-VEHICLE SENSOR GROUND
62	SP	-	SUNLOAD SENSOR GROUND
63	R	-	SUNLOAD SENSOR GROUND
65	EG	-	ECV SIGNAL
69	L	-	A/C LAN SIGNAL
70	R	-	EACH DOOR MOTOR POWER SUPPLY
71	B	-	GROUND
72	P	-	CAN-L

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
M  
N  
O  
P

MIR

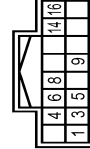
# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

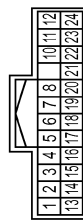
## AUTOMATIC DRIVE POSITIONER

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH48FEV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	ACC
3	R	ILL
4	Y	ILL CONT
5	Y	AV COMM (H)
6	SB	AV COMM (L)
8	LG	SW GND
9	B	SW GND
14	Y	DISK EJECT SIGNAL
16	G	HAZARD ON

Connector No.	M73
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	TH24FEV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	UPWARD
2	LG	SELECT RH
3	G	UPWARD
4	Y	UPWARD
5	B	MTR SENSL UP(DOWN/SH)
6	GR	MTR SENSL UP(DOWN/SH)
7	GR	FORWARD
8	Y	RX-TX
10	W	MTR MTR UP(RH)
11	G	MTR MTR LEFT(RH)
12	Y	MTR MTR DOWN RIGHT(LH)

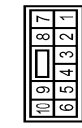
13	W	DOWNWARD
14	P	SELECT LH
15	SB	DOWNWARD
16	BR	RIGHTWARD
17	L	RIGHTWARD
18	G	MTR SENSL LEFT(RIGHT/RL)
19	G	MTR SENSL LEFT(RIGHT/RL)
20	Y	BACKWARD
21	R	SENS GND
22	R	POWER SUPPLY (SENSOR)
23	LG	MTR MTR DOWN RIGHT(RH)
24	L	MTR MTR UP(LH)

Connector No.	M79
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS98FEV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
25	SB	BAT
26	L	BACKWARD
27	P	STERS SENSL VCC
28	G	DOWNWARD
29	LG	UPWARD/FRONTWARD
30	B	GND

Connector No.	M80
Connector Name	TILT & TELESCOPIC MOTOR
Connector Type	NS10FEV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	P	-
3	LG	-
4	LG	-
5	R	-
6	P	-
7	G	-
8	Y	-
9	BR	-
10	L	-

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB2FEV-LC



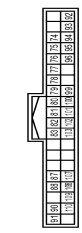
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F.L.)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(IGDP)

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FEV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	Y	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW LLL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M22
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FEV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
24	SB	PASSENGER DOOR ANTI-
25	GR	PASSENGER DOOR ANTI+
26	V	DRIVER DOOR ANTI-
27	LG	DRIVER DOOR ANTI+
28	Y	ROOM ANTI-
29	BR	ROOM ANTI+
80	GR	NATS ANTI AMP



# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

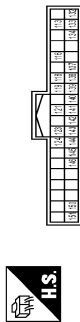
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[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

Terminal No.	Color Of Wire	Signal Name [Specification]
81	W	HATS AMP AMP
82	Y	IGN RELAY CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	Y	COMBI SW INPUT 3
90	P	CAH-L
91	L	CAH-H
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	Y	PUDDLE LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P
100	G	PASSENGER DOOR REQUEST SW
101	SB	DRIVER DOOR REQUEST SW
102	LG	BL MOTOR CONT
107	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
108	R	COMBI SW INPUT 1
109	Y	COMBI SW INPUT 4
110	G	HAZARD SW

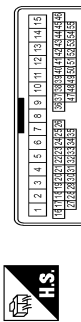
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	DRY P/B
124	GR	POWER WINDOW SW COMM
132	BR	POWER WINDOW SW L/R
133	W	PUSH-BUTTON ILLUMINATION SW/ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER SENSOR GND
138	Y	RECEIVER SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM

Terminal No.	Color Of Wire	Signal Name [Specification]
140	GR	SHIFTER N/P
141	Y	SEQUENCE SW CONT
142	BG	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

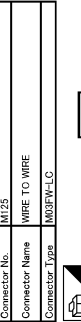
Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	-
8	LG	-
9	Y	-
12	Y	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	B	-
20	W	- [Without BOSE audio]
21	G	- [With BOSE audio]
21	L	- [With BOSE audio]
22	SB	- [Without BOSE audio]
23	GR	-
24	G	-
26	R	-
28	P	-
30	W	-
31	LG	-
32	G	-
33	BR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
34	V	-
38	Y	-
39	Y	-
37	BR	-
43	L	-
44	Y	-
45	R	-
46	W	-
47	SHIELD	-
52	G	-
53	G	-
54	W	-
55	BG	-

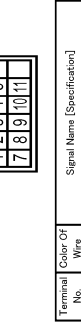
Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	R	-

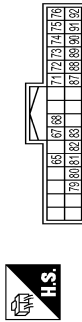
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-
7	R	-
8	SB	-
9	B	-
10	GR	-
11	R	-

Connector No.	M151
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
M  
N  
O  
P

MIR

# AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## AUTOMATIC DRIVE POSITIONER

71	SHIELD	SHIELD
72	MICROPHONE VCC	SHIELD
73	R	COMP OUT-SHIELD
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (B-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	G	SHIELD
89	G	COMM (DISP->CONT)
90	G	COMM (DISP->CONT)
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No. M215  
 Connector Name AV CONTROL UNIT  
 Connector Type TH2F6W-NH

36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52							

Terminal No.	Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LG	SIGNAL GND
38	R	HP
39	BR	COMM (DISP->CONT)
40	B	RGB AREA (YS) SIGNAL
41	SHIELD	RGB SYNC GND
42	W	RGB SYNC
43	G	RGB (RRED) SIGNAL
44	L	RGB (GREEN) SIGNAL
45	P	RGB (BLUE) SIGNAL
46	V	COMPOSITE IMAGE SIGNAL GND
47	SB	COMPOSITE IMAGE SIGNAL
48	Y	INVERTER VCC
49	BR	INVERTER GND
50	G	VP
51	Y	COMM (CONT->DISP)
52	SHIELD	SHIELD

57	SHIELD	SHIELD
58	SHIELD	COMP OUT-SHIELD

Connector No. M217  
 Connector Name AV CONTROL UNIT  
 Connector Type TH2F6W-NH

76	77	78	79	80	81	82	83	84	85	86	87	88
89	90	91	92									

Terminal No.	Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	B	SW GND
83	SHIELD	SHIELD
87	L	TEL VOICE SIGNAL (+)
88	P	TEL VOICE SIGNAL (-)
89	R	VEHICLE SPEED SIGNAL (B-PULSE)
92	V	PARKING BRAKE SIGNAL
94	BG	REVERSE SIGNAL
95	G	IGNITION SIGNAL
96	Y	DISK EJECT SIGNAL

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

### Reference Value

INFOID:0000000011067263

### 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
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT	Off
	Front wiper switch INT	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
RR WIPER ON	Other than rear wiper switch ON	Off
	Rear wiper switch ON	On
RR WIPER INT	Other than rear wiper switch INT	Off
	Rear wiper switch INT	On
RR WASHER SW	Rear washer switch OFF	Off
	Rear washer switch ON	On
RR WIPER STOP	Rear wiper is in STOP position	Off
	Rear wiper is not in STOP position	On
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
	Lighting switch AUTO	On

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Monitor Item	Condition	Value/Status
FR FOG SW	Front fog lamp switch OFF	Off
	Front fog lamp switch ON	On
RR FOG SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On
DOOR SW-RR	Rear RH door closed	Off
	Rear RH door opened	On
DOOR SW-RL	Rear LH door closed	Off
	Rear LH door opened	On
DOOR SW-BK	Back door closed	Off
	Back door opened	On
CDL LOCK SW	Other than power door lock switch LOCK	Off
	Power door lock switch LOCK	On
CDL UNLOCK SW	Other than power door lock switch UNLOCK	Off
	Power door lock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	<b>NOTE:</b> The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off
TR CANCEL SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off
TR/BD OPEN SW	Back door opener switch OFF	Off
	While the back door opener switch is turned ON	On
TRNK/HAT MNTR	<b>NOTE:</b> The item is indicated, but not monitored.	Off
REVERSE SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off
RKE-LOCK	LOCK button of the key is not pressed	Off
	LOCK button of the key is pressed	On
RKE-UNLOCK	UNLOCK button of the key is not pressed	Off
	UNLOCK button of the key is pressed	On
RKE-TR/BD	<b>NOTE:</b> The item is indicated, but not monitored.	Off
RKE-PANIC	PANIC button of the key is not pressed	Off
	PANIC button of the key is pressed	On
RKE-P/W OPEN	UNLOCK button of the key is not pressed	Off
	UNLOCK button of the key is pressed and held	On

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Monitor Item	Condition	Value/Status	
RKE-MODE CHG	LOCK/UNLOCK button of the key is not pressed and held simultaneously	Off	A
	LOCK/UNLOCK button of the key is pressed and held simultaneously	On	B
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V	
	Dark outside of the vehicle	Close to 0 V	
REQ SW -DR	Driver door request switch is not pressed	Off	C
	Driver door request switch is pressed	On	
REQ SW -AS	Passenger door request switch is not pressed	Off	D
	Passenger door request switch is pressed	On	
REQ SW -RR	<b>NOTE:</b> The item is indicated, but not monitored.	Off	E
REQ SW -RL	<b>NOTE:</b> The item is indicated, but not monitored.	Off	
REQ SW -BD/TR	Back door request switch is not pressed	Off	F
	Back door request switch is pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	G
	Push-button ignition switch (push switch) is pressed	On	
IGN RLY2 -F/B	<b>NOTE:</b> The item is indicated, but not monitored.	Off	H
ACC RLY -F/B	<b>NOTE:</b> The item is indicated, but not monitored.	Off	
CLUCH SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off	I
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off	
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On	J
BRAKE SW 2	The brake pedal is not depressed	Off	
	The brake pedal is depressed	On	K
DETE/CANCL SW	Selector lever in P position	Off	
	Selector lever in any position other than P	On	
SFT PN/N SW	Selector lever in any position other than P and N	Off	MIR
	Selector lever in P or N position	On	
S/L -LOCK	<b>NOTE:</b> The item is indicated, but not monitored.	Off	M
S/L -UNLOCK	<b>NOTE:</b> The item is indicated, but not monitored.	Off	
S/L RELAY-F/B	<b>NOTE:</b> The item is indicated, but not monitored.	Off	N
UNLK SEN -DR	Driver door is unlocked	Off	
	Driver door is locked	On	O
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	
	Push-button ignition switch (push-switch) is pressed	On	P
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off	
	Ignition switch in ON position	On	
DETE SW -IPDM	Selector lever in any position other than P	Off	
	Selector lever in P position	On	
SFT PN -IPDM	Selector lever in any position other than P and N	Off	
	Selector lever in P or N position	On	

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Monitor Item	Condition	Value/Status
SFT P -MET	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
	Selector lever in N position	On
ENGINE STATE	Engine stopped	Stop
	While the engine stalls	Stall
	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	<b>NOTE:</b> The item is indicated, but not monitored.	Off
S/L UNLK-IPDM	<b>NOTE:</b> The item is indicated, but not monitored.	Off
S/L RELAY-REQ	<b>NOTE:</b> The item is indicated, but not monitored.	Off
VEH SPEED 1	While driving	Equivalent to speedometer reading
VEH SPEED 2	While driving	Equivalent to speedometer reading
DOOR STAT-DR	Driver door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Driver door is unlocked	UNLOCK
DOOR STAT-AS	Passenger door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Passenger door is unlocked	UNLOCK
ID OK FLAG	Driver side door is open after ignition switch is turned OFF (Shift position is in the P position)	Reset
	Ignition switch ON	Set
PRMT ENG STRT	The engine start is prohibited	Reset
	The engine start is permitted	Set
PRMT RKE STRT	<b>NOTE:</b> The item is indicated, but not monitored.	Reset
KEY SW -SLOT	The key is not inserted into key slot	Off
	The key is inserted into key slot	On
RKE OPE COUN1	During the operation of the key	Operation frequency of the key
RKE OPE COUN2	<b>NOTE:</b> The item is indicated, but not monitored.	—
CONFIRM ID ALL	The key ID that the key slot receives does not accord with any key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with any key ID registered to BCM.	Done
CONFIRM ID4	The key ID that the key slot receives does not accord with the fourth key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with the fourth key ID registered to BCM.	Done
CONFIRM ID3	The key ID that the key slot receives does not accord with the third key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with the third key ID registered to BCM.	Done

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

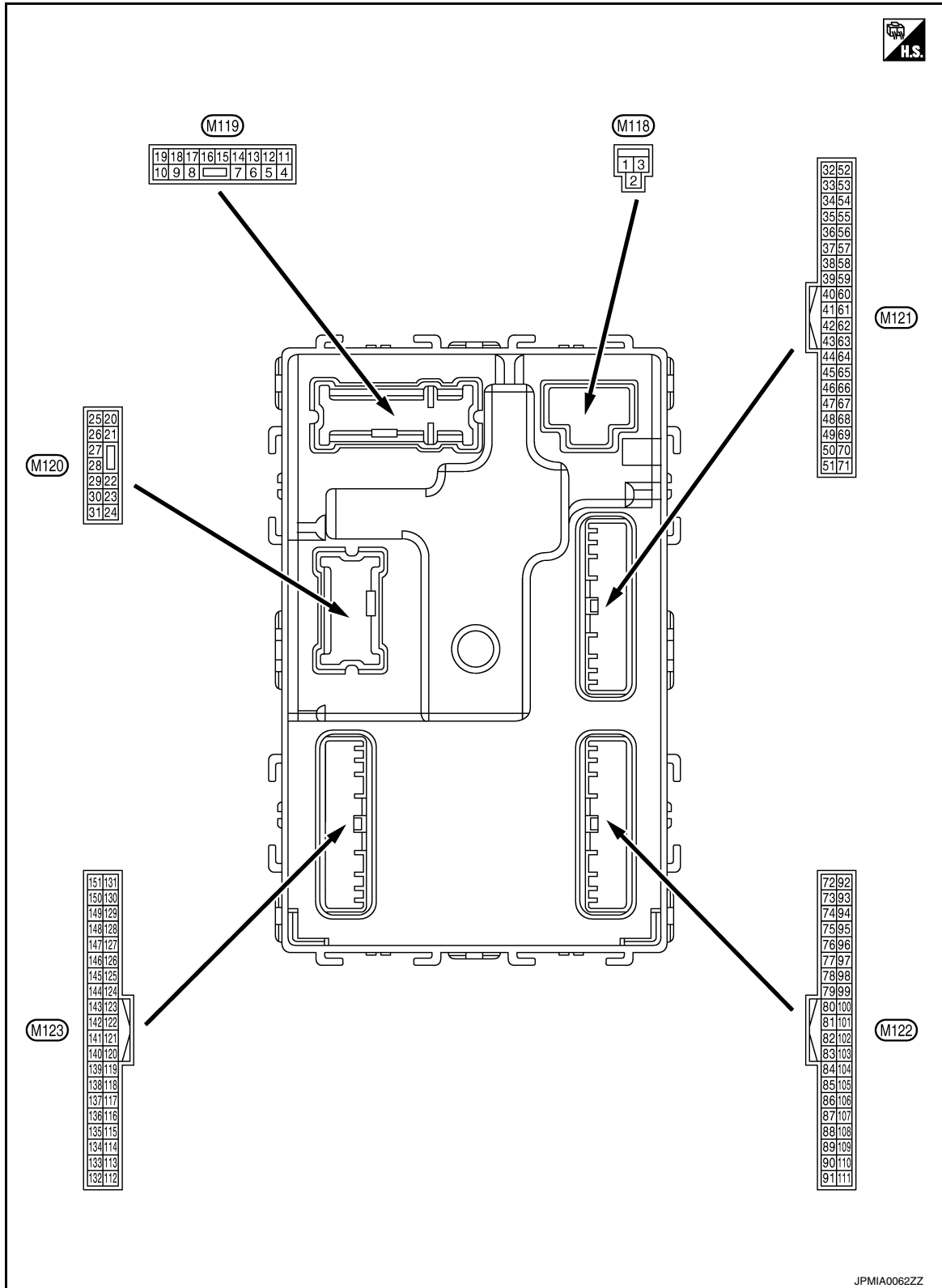
Monitor Item	Condition	Value/Status	
CONFIRM ID2	The key ID that the key slot receives does not accord with the second key ID registered to BCM.	Yet	A
	The key ID that the key slot receives accords with the second key ID registered to BCM.	Done	B
CONFIRM ID1	The key ID that the key slot receives does not accord with the first key ID registered to BCM.	Yet	C
	The key ID that the key slot receives accords with the first key ID registered to BCM.	Done	D
TP 4	The ID of fourth key is not registered to BCM	Yet	E
	The ID of fourth key is registered to BCM	Done	F
TP 3	The ID of third key is not registered to BCM	Yet	G
	The ID of third key is registered to BCM	Done	H
TP 2	The ID of second key is not registered to BCM	Yet	I
	The ID of second key is registered to BCM	Done	J
TP 1	The ID of first key is not registered to BCM	Yet	K
	The ID of first key is registered to BCM	Done	L
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire	M
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire	N
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire	O
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire	P
ID REGST FL1	ID of front LH tire transmitter is registered	Done	Q
	ID of front LH tire transmitter is not registered	Yet	R
ID REGST FR1	ID of front RH tire transmitter is registered	Done	S
	ID of front RH tire transmitter is not registered	Yet	T
ID REGST RR1	ID of rear RH tire transmitter is registered	Done	U
	ID of rear RH tire transmitter is not registered	Yet	V
ID REGST RL1	ID of rear LH tire transmitter is registered	Done	W
	ID of rear LH tire transmitter is not registered	Yet	X
WARNING LAMP	Tire pressure indicator OFF	Off	Y
	Tire pressure indicator ON	On	Z
BUZZER	Tire pressure warning alarm is not sounding	Off	AA
	Tire pressure warning alarm is sounding	On	AB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## TERMINAL LAYOUT



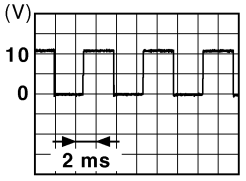
## PHYSICAL VALUES



# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery voltage
4 (LG)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		Battery voltage
5 (L)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
7 (Y)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	Battery voltage
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors	LOCK (Actuator is activated)	Battery voltage
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
10 (BR)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
11 (R)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (W)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p><b>NOTE:</b> When the illumination brightening/dimming level is in the neutral position</p>  <p style="text-align: right; font-size: small;">JSNIA0010GB</p>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF or ON	Battery voltage
					ACC	0 V

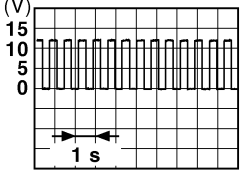
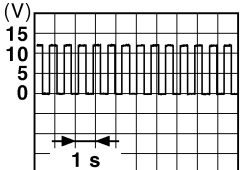
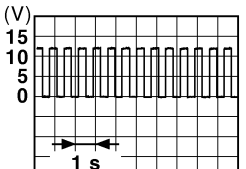
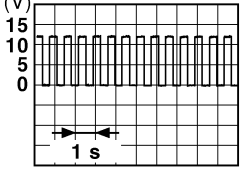
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
17 (W)	Ground	Turn signal RH (Front)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch RH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
18 (BG)	Ground	Turn signal LH (Front)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch LH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
19 (V)	Ground	Room lamp timer control	Output	Interior room lamp	OFF Battery voltage
				ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch RH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
23 (G)	Ground	Back door open	Output	Back door	OPEN (Back door opener actuator is activated) Battery voltage
				Other than OPEN (Back door opener actuator is not activated)	0 V
25 (G)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch LH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped) 0 V
				ON (Operated)	Battery voltage

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Luggage room antenna (-)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
35 (V)	Ground	Luggage room antenna (+)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
38 (B)	Ground	Back door antenna (-)	Output	When the back door opener request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

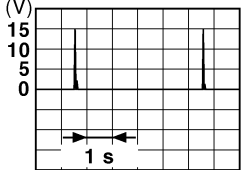
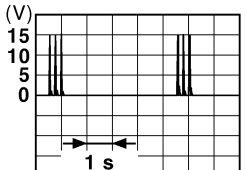
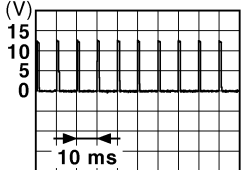
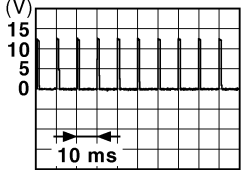
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

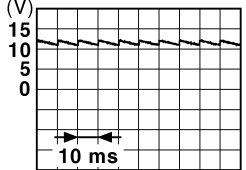
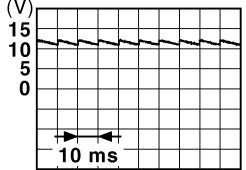
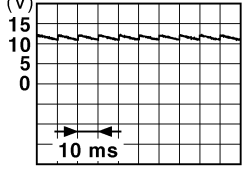
[WITH ADP]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
39 (W)	Ground	Back door antenna (+)	Output	When the back door opener re- quest switch is operated with ig- nition switch OFF	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					When Intelligent Key is not in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
52 (SB)	Ground	Starter relay control	Output	Ignition switch ON	When selector lever is in P or N position	Battery voltage
					When selector lever is not in P or N position	0 V
60 (BR)	Ground	Push-button ignition switch (Push switch)	Input	Push-button igni- tion switch (push switch)	Pressed	0 V
					Not pressed	Battery voltage
61 (W)	Ground	Back door opener re- quest switch	Input	Back door opener request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
64 (V)	Ground	Intelligent Key warn- ing buzzer (Engine room)	Output	Intelligent Key warning buzzer (Engine room)	Sounding	0 V
					Not sounding	Battery voltage
65 (BG)	Ground	Rear wiper stop posi- tion	Input	Rear wiper	In stop position	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
					Not in stop position	0 V

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
66 (R)	Ground	Back door switch	Input	Back door switch	OFF (Door close)  <small>JPMIA0011GB</small> 11.8 V
					ON (Door open)
67 (GR)	Ground	Back door opener switch	Input	Back door opener switch	Pressed 0 V
					Not pressed
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (Door close)  <small>JPMIA0011GB</small> 11.8 V
					ON (Door open)
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (Door close)  <small>JPMIA0011GB</small> 11.8 V
					ON (Door open)

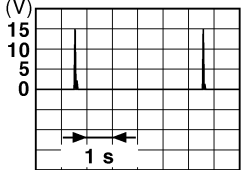
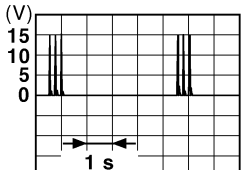
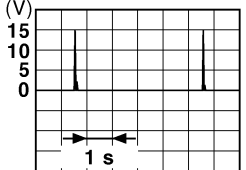
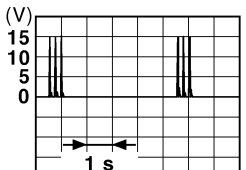
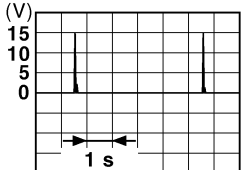
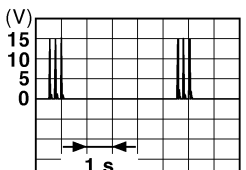
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
74 (SB)	Ground	Passenger door antenna (-)	Output	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the passenger door request switch is operated with ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
75 (GR)	Ground	Passenger door antenna (+)	Output	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the passenger door request switch is operated with ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the driver door request switch is operated with ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
77 (LG)	Ground	Driver door antenna (+)	Output	When the driver door request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
78 (Y)	Ground	Room antenna 1 (-) (Instrument panel)	Output	When Intelligent Key is in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	When Intelligent Key is in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

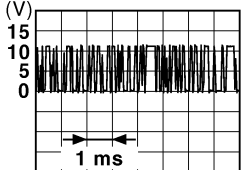
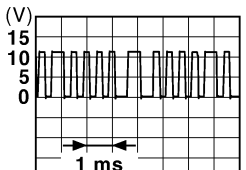
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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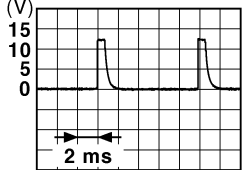
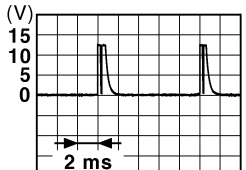
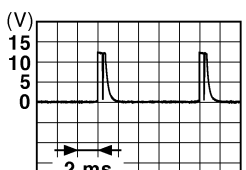
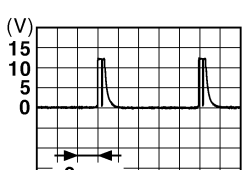
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (W)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (R)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
83 (Y)	Ground	Remote keyless entry receiver communication	Input/ Output	During waiting		 <p style="text-align: right; font-size: small;">JMKIA0064GB</p>
				When operating either button on the key		 <p style="text-align: right; font-size: small;">JMKIA0065GB</p>



# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
87 (BR)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0041GB</p> <p style="text-align: center;">1.4 V</p>
				Combination switch	Front fog lamp switch ON (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0037GB</p> <p style="text-align: center;">1.3 V</p>
				Combination switch	Rear wiper switch ON (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0039GB</p> <p style="text-align: center;">1.3 V</p>
				Combination switch	Any of the conditions below with all switches OFF <ul style="list-style-type: none"> <li>• Wiper intermittent dial 1</li> <li>• Wiper intermittent dial 2</li> <li>• Wiper intermittent dial 6</li> <li>• Wiper intermittent dial 7</li> </ul>	 <p style="text-align: right; font-size: small;">JPMIA0040GB</p> <p style="text-align: center;">1.3 V</p>

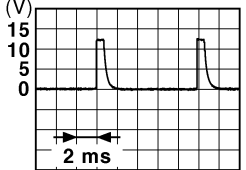
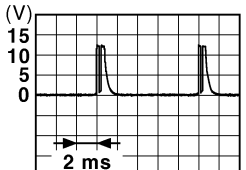

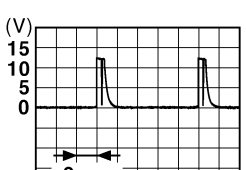
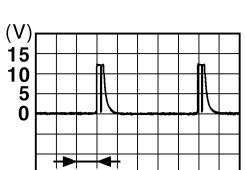
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

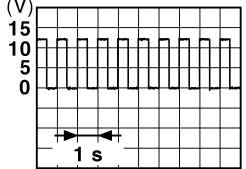
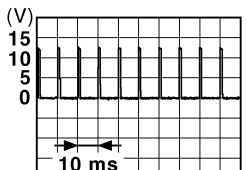
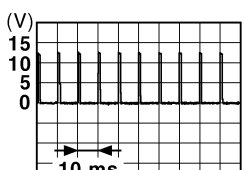
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Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <small>JPMIA0041GB</small> 1.4 V
					Lighting switch HI (Wiper intermittent dial 4)	 <small>JPMIA0036GB</small> 1.3 V
					Lighting switch 2ND (Wiper intermittent dial 4)	 <small>JPMIA0037GB</small> 1.3 V
					Rear washer switch ON (Wiper intermittent dial 4)	 <small>JPMIA0039GB</small> 1.3 V
					Any of the conditions below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3	 <small>JPMIA0040GB</small> 1.3 V
90 (P)	Ground	CAN-L	Input/ Output	—	—	
91 (L)	Ground	CAN-H	Input/ Output	—	—	

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	OFF	Battery voltage
					Blinking	 <p style="text-align: center;">6.5 V</p> <p style="text-align: right; font-size: small;">JPMIA0015GB</p>
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
94 (Y)	Ground	Puddle lamp control	Output	Puddle lamp	OFF	Battery voltage
					ON	0 V
95 (BG)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	Battery voltage
96 (GR)	Ground	A/T shift selector (Detention switch) power supply	Output	—	Battery voltage	
99 (R)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	Battery voltage
100 (G)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: center;">1.0 V</p> <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: center;">1.0 V</p> <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
102 (BG)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
103 (LG)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF	Battery voltage	

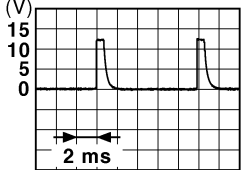

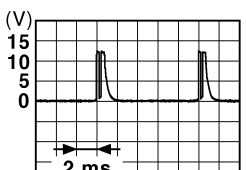
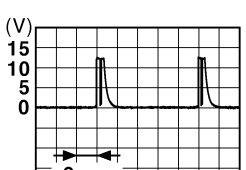
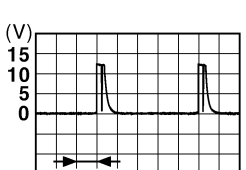
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

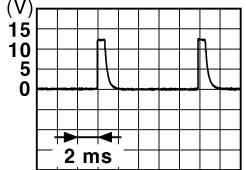
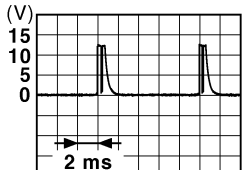

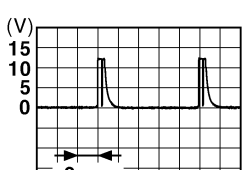

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermittent dial 4)	All switches OFF	 <small>JPMIA0041GB</small> 1.4 V
					Turn signal switch LH	 <small>JPMIA0037GB</small> 1.3 V
					Turn signal switch RH	 <small>JPMIA0036GB</small> 1.3 V
					Front wiper switch LO	 <small>JPMIA0038GB</small> 1.3 V
					Front washer switch ON	 <small>JPMIA0039GB</small> 1.3 V

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 1.4 V
					Lighting switch AUTO (Wiper intermittent dial 4)	 1.3 V
					Lighting switch 1ST (Wiper intermittent dial 4)	 1.3 V
					Rear wiper switch INT (Wiper intermittent dial 4)	 1.3 V
					Any of the conditions below with all switches OFF	 1.3 V
					<ul style="list-style-type: none"> <li>• Wiper intermittent dial 1</li> <li>• Wiper intermittent dial 5</li> <li>• Wiper intermittent dial 6</li> </ul>	

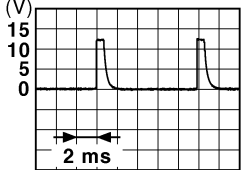

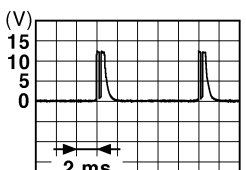
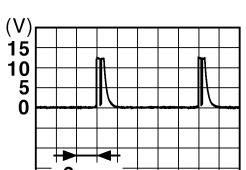
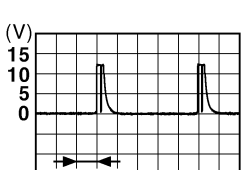
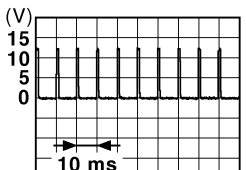
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

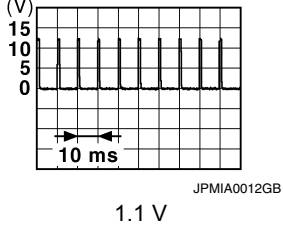
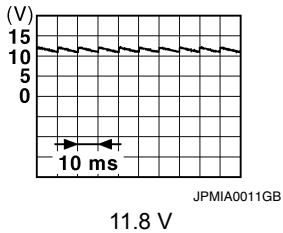
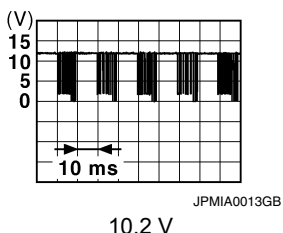
[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermittent dial 4)	All switches OFF	 <small>JPMIA0041GB</small> 1.4 V
					Lighting switch PASS	 <small>JPMIA0037GB</small> 1.3 V
					Lighting switch 2ND	 <small>JPMIA0036GB</small> 1.3 V
					Front wiper switch INT	 <small>JPMIA0038GB</small> 1.3 V
					Front wiper switch HI	 <small>JPMIA0040GB</small> 1.3 V
					ON	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	OFF  <small>JPMIA0012GB</small> 1.1 V	

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
113 (P)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (P)	Ground	Stop lamp switch 2 (Without ICC)	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
		Stop lamp switch 2 (With ICC)		Stop lamp switch OFF (Brake pedal is not de- pressed) and ICC brake hold relay OFF	0 V	
				Stop lamp switch ON (Brake pedal is de- pressed) or ICC brake hold relay ON	Battery voltage	
119 (SB)	Ground	Front door lock as- sembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (BR)	Ground	Key slot switch	Input	When the key is inserted into key slot		Battery voltage
				When the key is not inserted into key slot		0 V
123 (W)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	
					ON (Door open)	0 V
132 (BR)	Ground	Power window switch communication	Input/ Output	Ignition switch ON		
				Ignition switch OFF or ACC	Battery voltage	

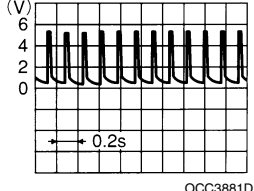
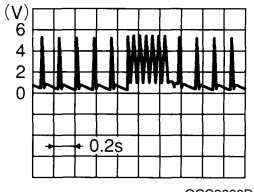
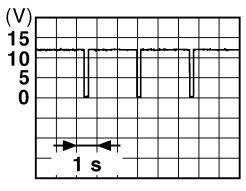
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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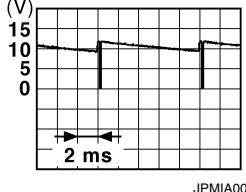
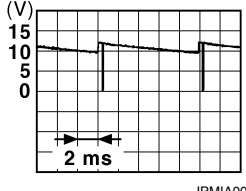
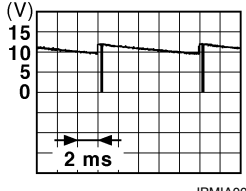
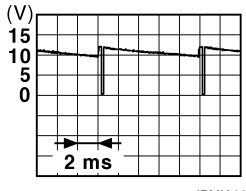
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
133 (W)	Ground	Push-button ignition switch illumination	Output	Push-button ignition switch illumination	ON (Tail lamps OFF)	9.5 V
				ON (Tail lamps ON)	OFF	0 V
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF	Battery voltage
					ON	0 V
137 (BG)	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (Y)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF	0 V
					ACC or ON	5.0 V
139 (L)	Ground	Tire pressure receiv- er communication	Input/ Output	Ignition switch ON	Standby state	 <p style="text-align: right; font-size: small;">OCC3881D</p>
					When receiving the signal from the transmitter	 <p style="text-align: right; font-size: small;">OCC3880D</p>
140 (GR)	Ground	Selector lever P/N position	Input	Selector lever	P or N position	Battery voltage
					Except P and N positions	0 V
141 (G)	Ground	Security indicator	Output	Security indicator	ON	0 V
					Blinking	 <p style="text-align: right; font-size: small;">JPMA0014GB</p>
					OFF	Battery voltage



# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
142 (BG)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Lighting switch 1ST	
					Lighting switch HI	
					Lighting switch 2ND	
					Turn signal switch RH	
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
					Front wiper switch HI (Wiper intermittent dial 4)	
					Rear wiper switch INT (Wiper intermittent dial 4)	
					Any of the conditions below with all switches OFF	
					• Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7	
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4)	
					Rear wiper switch ON (Wiper intermittent dial 4)	
					Rear washer switch ON (Wiper intermittent dial 4)	
					Any of the conditions below with all switches OFF	
• Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6	10.7 V					
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front wiper switch INT	
					Front wiper switch LO	
					Lighting switch AUTO	

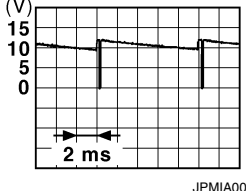
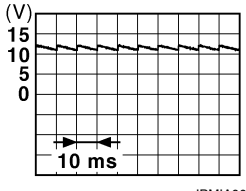
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front fog lamp switch ON	
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
150 (LG)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	 11.8 V
					ON (Door open)	0 V
151 (G)	Ground	Rear window defog- ger relay control	Output	Rear window de- fogger	Active	0 V
					Not activated	Battery voltage

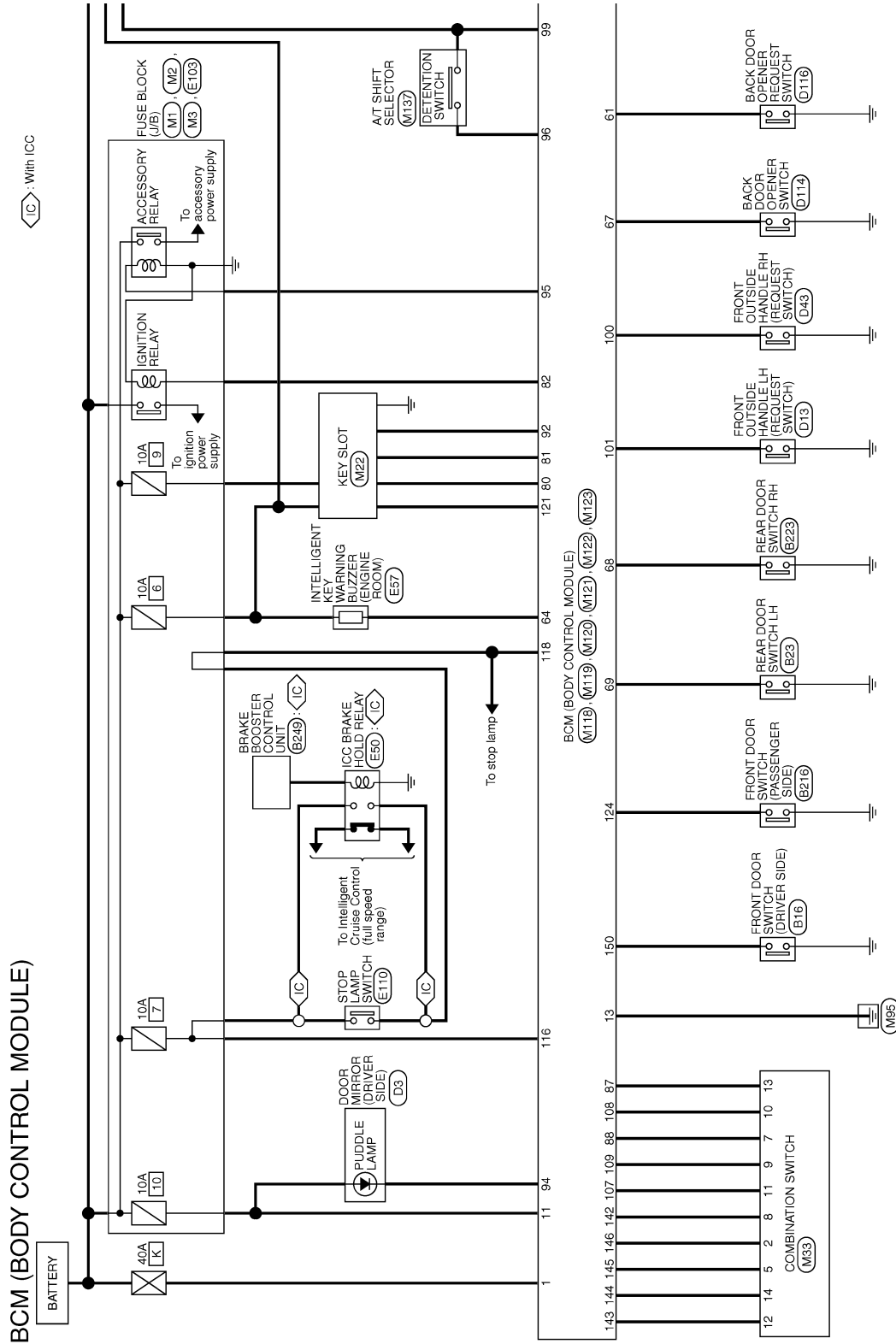
# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## Wiring Diagram - BCM -

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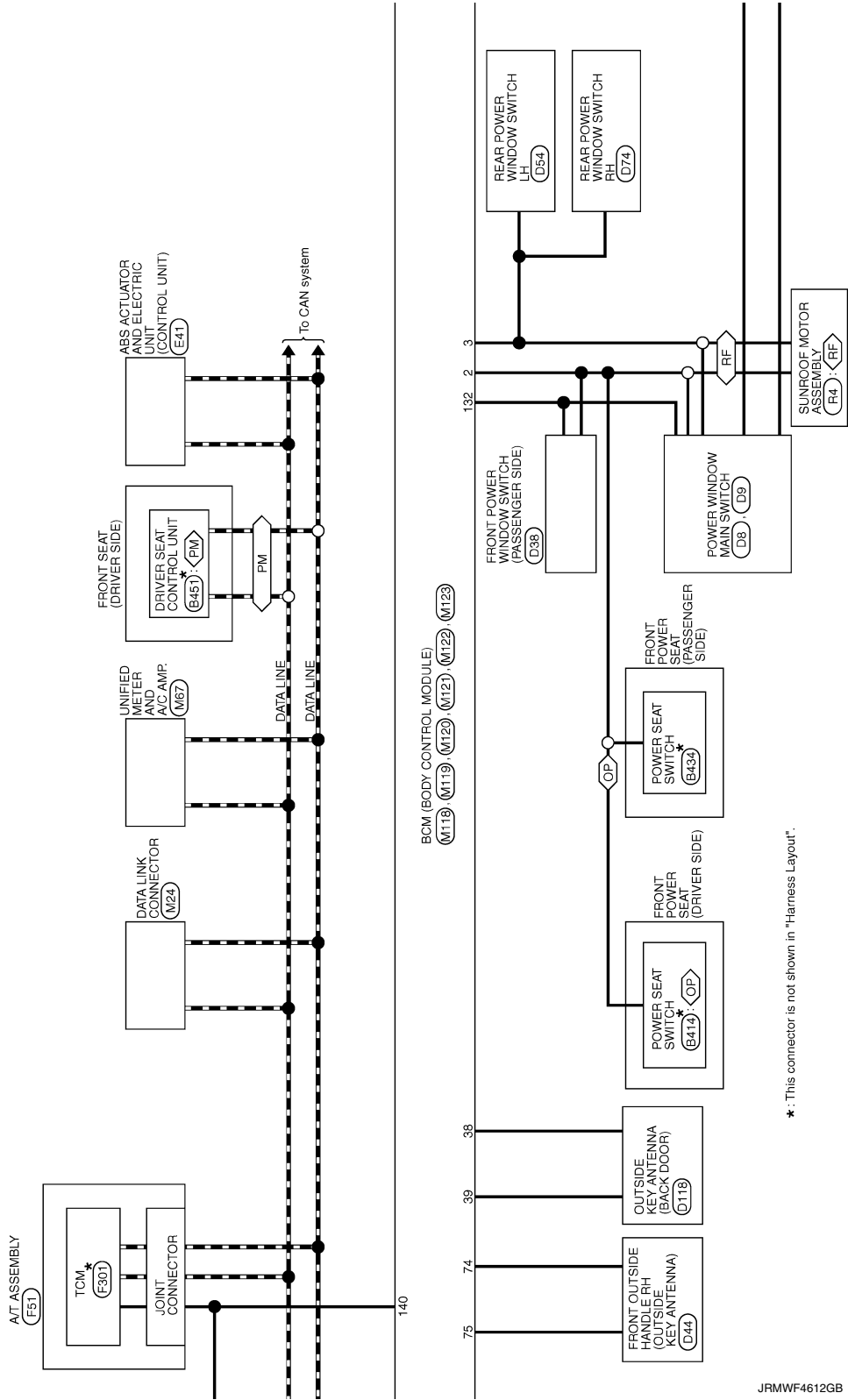


# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

- ◊ RF : With sunroof
- ◊ PM : With automatic drive positioner
- ◊ OP : Without automatic drive positioner



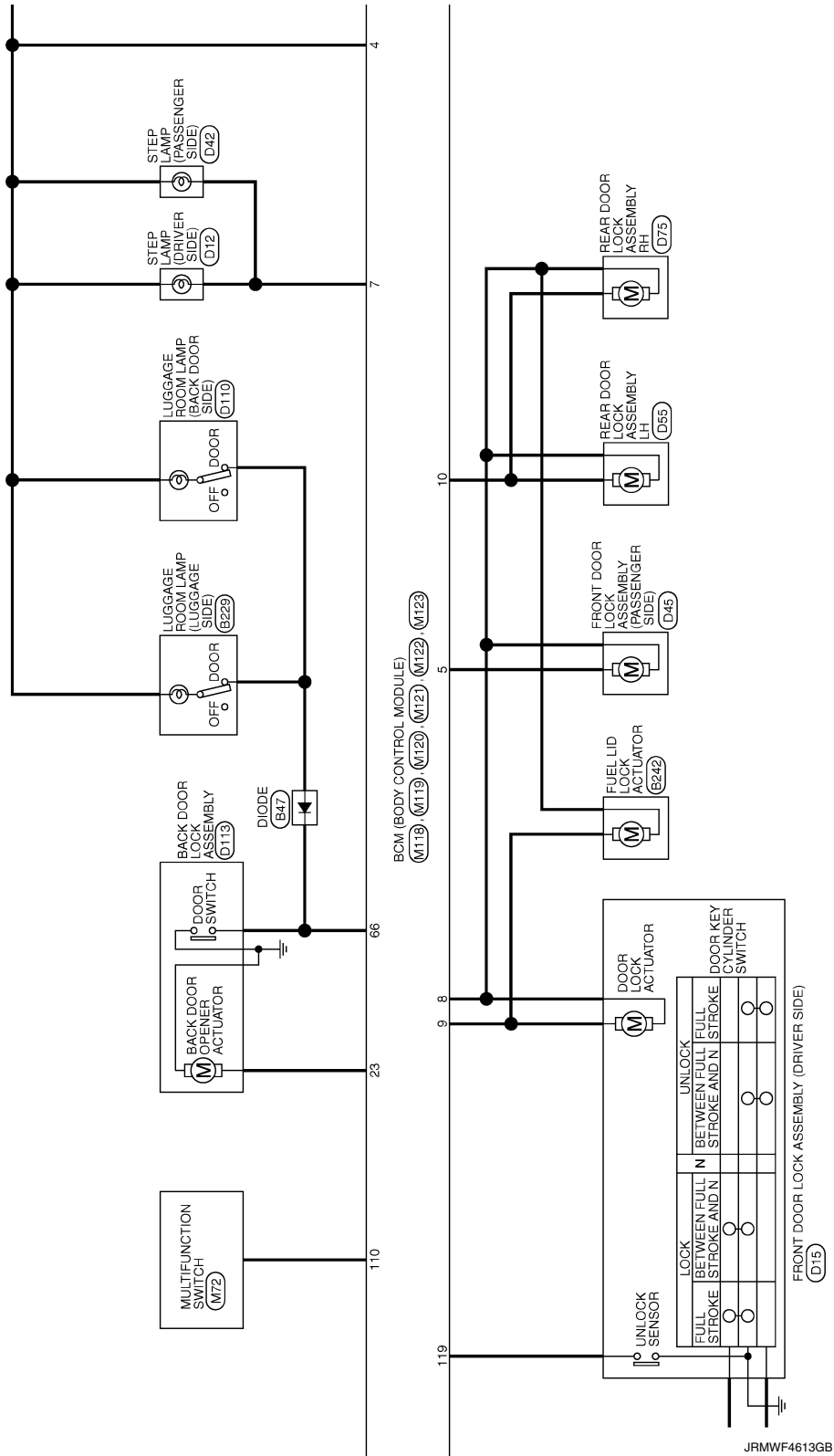
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

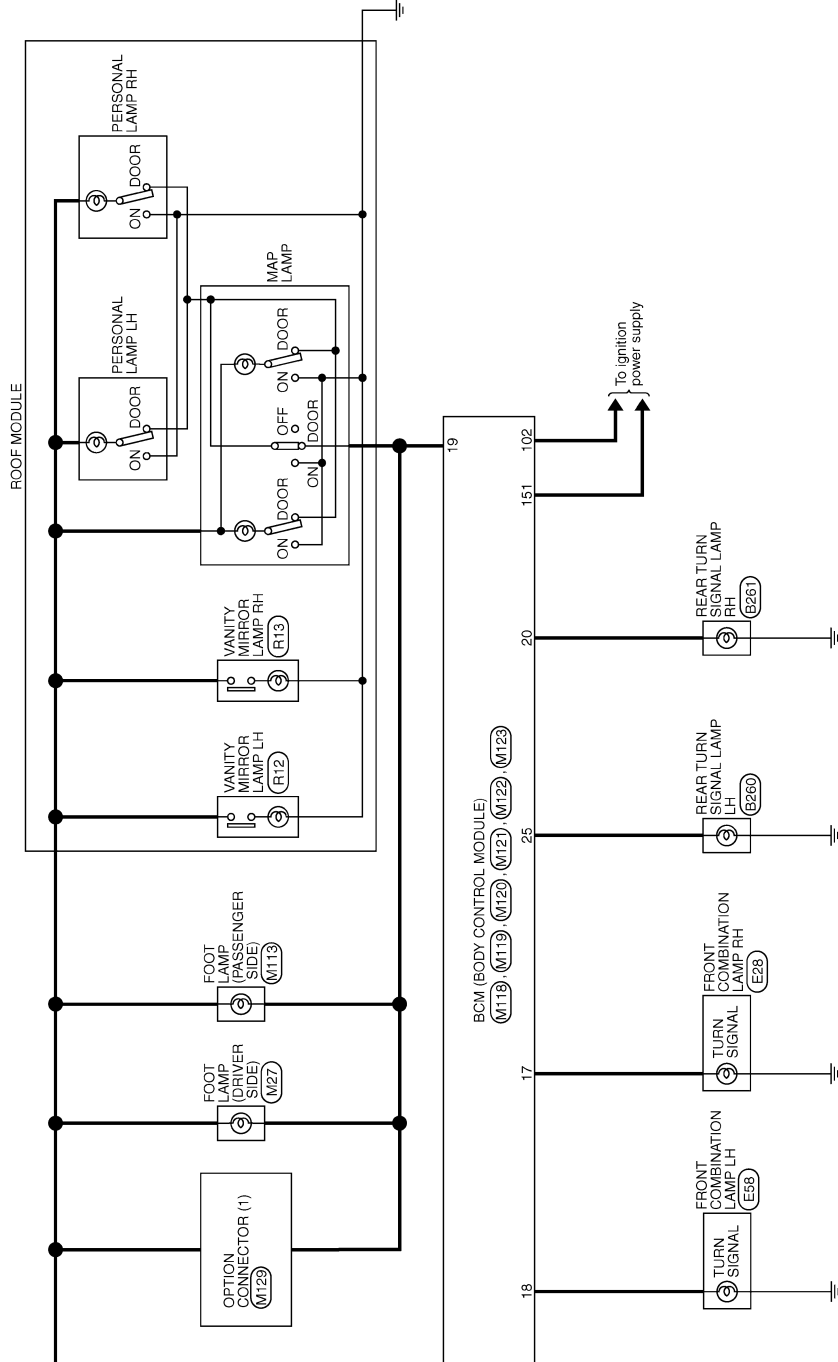
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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]



JRMWF4614GB

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

Connector No.	B16
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



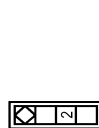
Terminal No.	Color	Wire	Signal Name [Specification]
2	L	B	FRONT DOOR SWITCH (PASSENGER SIDE)



Connector No.	B216
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



Terminal No.	Color	Wire	Signal Name [Specification]
2	L	L	REAR DOOR SWITCH RH



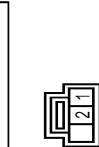
Terminal No.	Color	Wire	Signal Name [Specification]
2	BR	BR	

Connector No.	B228
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	TK02FGY



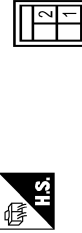
Terminal No.	Color	Wire	Signal Name [Specification]
1	V	V	
2	SB	SB	

Connector No.	B228
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	TK03FW



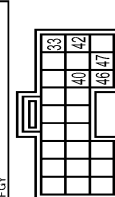
Terminal No.	Color	Wire	Signal Name [Specification]
2	GR	L	

Connector No.	B242
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	M04FW-LG



Terminal No.	Color	Wire	Signal Name [Specification]
1	R	R	
2	V	V	

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TR24FGY



Terminal No.	Color	Wire	Signal Name [Specification]
33	GR	GR	IGNITION
40	SB	SB	ISA GHS SW
42	G	G	IGNITION
46	B	B	GROUND
47	V	V	BRAKE HOLD RLY DRIVE SIGNAL

JRMWF4748GB



# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

Connector No.	B260
Connector Name	REAR TURN SIGNAL LAMP LH
Connector Type	HS02FC-W



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-

Connector No.	B261
Connector Name	REAR TURN SIGNAL LAMP RH
Connector Type	HS02FC-W



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	-

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	G/Y	-
4	P	-
5	W	-
6	V	-
7	L/Y	-
8	L	-
9	L/R	-
10	G/W	-

Connector No.	B434
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	G/Y	-
4	P	-
5	W	-
6	V	-
7	L/Y	-
8	L	-
9	L/R	-
10	G/W	-

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH22FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	GAN-H
2	-	UART (TX/RX)
4	-	PULSE (RECLINER)
5	-	PULSE (TELESCOPIC)
6	-	ADDRESS 2
7	-	IND 2
8	-	SLIDE SW (BACKWARD)
9	-	RECLINER SW (BACKWARD)
10	-	FRONT LIFTER SW (DOWNWARD)
11	-	REAR LIFTER SW (DOWNWARD)
12	-	POWER SUPPLY (ENCODER)
17	-	GAN-L
18	-	PULSE (SLIDE)
19	-	PULSE (FRONT LIFTER)
20	-	PULSE (REAR LIFTER)
21	-	PULSE (TEL)
22	-	ADDRESS 1
23	-	IND (FORWARD)
24	-	RECLINER SW (FORWARD)
26	-	FRONT LIFTER SW (UPWARD)
27	-	REAR LIFTER SW (UPWARD)
28	-	SET SW

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MH-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	-
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	SIDE CAMERA LH IMAGE GND
18	W	-
19	B	-
21	GR	-
22	BR	-
23	Y	-
24	V	-

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NIS16PW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	GR	-
4	V	-

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

3	O	--
4	V	--
5	BR	--
6	L	--
7	O	--
8	V	--
9	G	--
10	Y	--
11	G	--
12	P	--
13	P	--
14	V	--
15	B	--

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS08FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
17	B	--
18	B	--
19	W	--

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	FB02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	--
2	SB	--

Connector No.	D13
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	RK02FL



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	--
2	B	--

Connector No.	D14
Connector Name	FRONT OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)
Connector Type	RK02MGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	--
2	SB	--

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EB02FW-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	--
2	P	--
3	L	--
4	B	--
5	Y	--
6	V	--

Connector No.	D38
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	HS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	--
4	G	--
8	W	--
9	G	--
10	W	--
11	B	--
12	R	--
15	O	--
16	V	--

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	FB02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	--
2	SB	--

Connector No.	D43
Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)
Connector Type	RK02FL



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	B	--

JRMWF4750GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

Connector No.	D44
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	FKG2MGT



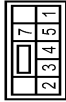
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D45
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	EOBFGY-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	D54
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS38FW-CS



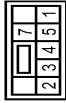
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	V	-
3	G	-
4	L	-
5	W	-
7	B	-

Connector No.	D55
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	EOBFGY-RS



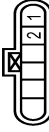
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	G	-

Connector No.	D74
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS38FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	G	-
4	P	-
5	O	-
7	B	-

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EOBFGY-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-

Connector No.	D110
Connector Name	LUGGAGE ROOM LAMP (BACK DOOR SIDE)
Connector Type	FKG3FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	P	-

Connector No.	D113
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	V	-
4	B	-

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

Connector No.	D114
Connector Name	BACK DOOR OPENER SWITCH
Connector Type	TK02MBR-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	B	-

Connector No.	D115
Connector Name	REAR WIPER MOTOR
Connector Type	CJ0JFW-IV



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	O	-
4	B	-

Connector No.	D116
Connector Name	BACK DOOR OPENER REQUEST SWITCH
Connector Type	TK02MBR-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	D118
Connector Name	OUTSIDE KEY ANTENNA (BACK DOOR)
Connector Type	RK0ZFGY



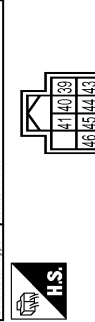
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	E5
Connector Name	16-25V TWIN-ILLUSTRANT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FY-MS12-M4-IV



Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
36	G	-

Connector No.	E5
Connector Name	16-25V TWIN-ILLUSTRANT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FY-M4



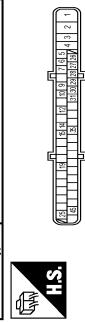
Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
43	SB	-
44	BR	-
45	G	-
46	R	-

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08EP-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-
3	B/Y	-
4	B/W	-
5	BG	-
6	V	-
7	BR	-
8	P	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA4ZPB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	UBMR
3	R	UBVR
4	B	GROUND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
9	B	DP FR
10	W	DS FR
12	L	VAC
14	P	CAN-L
15	SHIELD	GROUND
19	P	UST

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

## BCM (BODY CONTROL MODULE)

25	Y	BUS-L
26	LG	DP-FL
27	GR	DS-RL
28	LG	DS-RL
29	LG	DS-RL
30	SB	DS-RL
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MOBFGY-R-US



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	
2	B	
3	P	
4	SB	
5	P	
7	R	

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RK03BER



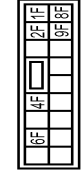
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
3	V	

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS30FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	
3	B/Y	
4	B/W	
5	V	
6	G	
7	P	
8	BG	

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1BFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1F	SB	
2F	W	
4F	G	
8F	BR	
9F	R	

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MG4FL-IC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	W	
3	Y	
4	SB	

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-D0Y



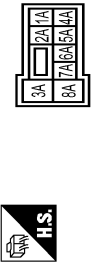
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGNITION POWER SUPPLY
2	BR	BATTERY POWER SUPPLY
3	O	CAN-H
4	V	K-LINE
5	B	GROUND
6	Y	IGNITION POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	LG	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS3BFW-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	
2A	G	
3A	L	
4A	R	
5A	V	
6A	Y	
7A	R	
8A	L	

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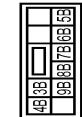
# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

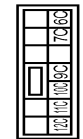
## BCM (BODY CONTROL MODULE)

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS10P1-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	P	-
8B	R	-
9B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS12P1-CS



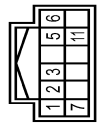
Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	R	-
12C	BG	-
6C	R	-
7C	B	-
9C	BG	-

Connector No.	M9
Connector Name	DIODE
Connector Type	243SE-C0900



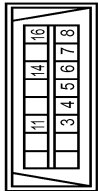
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GROUND
11	BR	KEY SWITCH SIGNAL

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



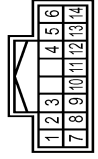
Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M27
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	AG2FW



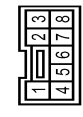
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BR	-

Connector No.	M53
Connector Name	COMBINATION SWITCH
Connector Type	TH10P1-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	FR WASHERR(-)
2	SB	OUTPUT 4
3	GR	FR WASHERR(+)
4	G	IGN
5	L	OUTPUT 3
6	B	GROUND
7	V	INPUT 3
8	BG	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08BER



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	W	-
4	BR	-
5	GR	-
6	Y	-

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

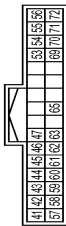
## BCM (BODY CONTROL MODULE)

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH46FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER->AMP.)
3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	P	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
19	B	ILL GND
20	R	ILL
21	EG	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCP->AMP.)
25	BR	COMMUNICATION SIGNAL (AMP->LCP)
26	R	VEHICLE SPEED SIGNAL (4-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	EG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M57
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TR32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	EG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS / OUTSIDE COLOR DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	EG	EGV SIGNAL
68	B	A/C CLAP SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

Connector No.	MT2
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
3	V	ACC
4	R	ILL
5	Y	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	B	SW GND
14	Y	DISK EJECT SIGNAL
16	G	HAZARD ON



Connector No.	M94
Connector Name	OPTICAL SENSOR
Connector Type	TR03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	POWER
2	P	OUTPUT
3	B	GROUND

Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TR04FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	EG	GROUND
2	L	SIGNAL
4	Y	BATTERY

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	EG	GROUND
2	Y	SIGNAL OUTPUT
4	LG	BATTERY

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

**BCM (BODY CONTROL MODULE)**

Connector No.	M113
Connector Name	FOOT LAMP (PASSENGER SIDE)
Connector Type	A02FW



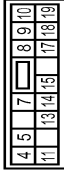
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BR	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-4C



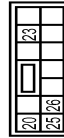
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



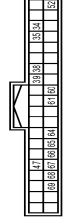
Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	L	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



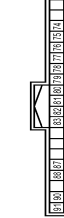
Terminal No.	Color Of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	G	BACK DOOR OPEN OUTPUT
25	G	TURN SIGNAL LH (REAR)
26	G	REAR WIPER OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH46FGY-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	SB	LUGGAGE ROOM ANT-
35	V	LUGGAGE ROOM ANT+
38	B	BACK DOOR ANT-
39	W	BACK DOOR ANT+
47	Y	IGN RELAY (IPDM E/R) CONT
52	SB	STARTER RELAY CONT
60	R	PUSH SW
61	W	BACK DOOR OPENER REQUEST SW
64	V	BACK DOOR OPENER REQUEST SW
65	BG	REAR WIPER STOP POSITION
66	R	BACK DOOR SW
67	GR	BACK DOOR OPENER SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH46FB-NH





# BCM (BODY CONTROL MODULE)

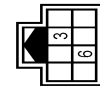
< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

**BCM (BODY CONTROL MODULE)**

139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY IND LAMP CONT
142	BG	COMB SW OUTPUT 9
143	P	COMB SW OUTPUT 1
144	G	COMB SW OUTPUT 2
145	L	COMB SW OUTPUT 3
146	SB	COMB SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M129
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH68MW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
3	G	--	--
6	R	--	--

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	HR02FGY



Terminal No.	Color	Wire	Signal Name [Specification]
1	BR	--	--
2	Y	--	--

Connector No.	RT2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCAD2FW



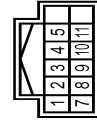
Terminal No.	Color	Wire	Signal Name [Specification]
1	--	--	--
2	--	--	--

Connector No.	RT3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCAD2FW



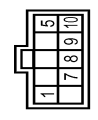
Terminal No.	Color	Wire	Signal Name [Specification]
1	--	--	--
2	--	--	--

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	--	--
2	V	--	--
3	L	--	--
4	B	--	--
5	G	--	--
7	R	--	--
8	SB	--	--
9	B	--	--
10	GR	--	--
11	R	--	--

Connector No.	RM
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA10FGY



Terminal No.	Color	Wire	Signal Name [Specification]
1	GR	SW-BIT1	
5	P	SW-BIT0	
7	BR	+B	
8	L	SPEED SENSOR(ZP)	
9	Y	TIMER(-LGN)	
10	G	GROUND	

## Fail-safe

### FAIL-SAFE CONTROL BY DTC

BCM performs fail-safe control when any DTC are detected.

JRMWF4757GB

INFOID:000000011067265

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Display contents of CONSULT	Fail-safe	Cancellation
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC
B2195: ANTI SCANNING	Inhibit engine cranking	Ignition switch ON → OFF
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> <li>• Starter control relay signal</li> <li>• Starter relay status signal</li> </ul>
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> <li>• Starter motor relay control signal</li> <li>• Starter relay status signal (CAN)</li> </ul>
B260A: IGNITION RELAY	Inhibit engine cranking	500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> <li>• IGN relay (IPDM E/R) control signal: OFF (Battery voltage)</li> <li>• Ignition ON signal (CAN to IPDM E/R): OFF (Request signal)</li> <li>• Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal)</li> </ul>
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled <ul style="list-style-type: none"> <li>• Power position changes to ACC</li> <li>• Receives engine status signal (CAN)</li> </ul>
B2617: STARTER RELAY CIRC	Inhibit engine cranking	1 second after the starter motor relay control inside BCM becomes normal
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization

## REAR WIPER MOTOR PROTECTION

BCM detects the rear wiper stopping position according to the rear wiper stop position signal.

When the rear wiper stop position signal does not change for more than 5 seconds while driving the rear wiper, BCM stops power supply to protect the rear wiper motor.

Condition of cancellation

1. More than 1 minute is passed after the rear wiper stops.
2. Turn rear wiper switch OFF.
3. Operate the rear wiper switch or rear washer switch.

## DTC Inspection Priority Chart

INFOID:000000011067266

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

Priority	DTC
1	B2562: LOW VOLTAGE
2	<ul style="list-style-type: none"> <li>• U1000: CAN COMM CIRCUIT</li> <li>• U1010: CONTROL UNIT (CAN)</li> </ul>
3	<ul style="list-style-type: none"> <li>• B2190: NATS ANTENNA AMP</li> <li>• B2191: DIFFERENCE OF KEY</li> <li>• B2192: ID DISCORD BCM-ECM</li> <li>• B2193: CHAIN OF BCM-ECM</li> <li>• B2195: ANTI SCANNING</li> </ul>

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

Priority	DTC			
4	<ul style="list-style-type: none"> <li>• B2553: IGNITION RELAY</li> <li>• B2555: STOP LAMP</li> <li>• B2556: PUSH-BTN IGN SW</li> <li>• B2557: VEHICLE SPEED</li> <li>• B2560: STARTER CONT RELAY</li> <li>• B2601: SHIFT POSITION</li> <li>• B2602: SHIFT POSITION</li> <li>• B2603: SHIFT POSI STATUS</li> <li>• B2604: PNP SW</li> <li>• B2605: PNP SW</li> <li>• B2608: STARTER RELAY</li> <li>• B260A: IGNITION RELAY</li> <li>• B260F: ENG STATE SIG LOST</li> <li>• B2614: ACC RELAY CIRC</li> <li>• B2615: BLOWER RELAY CIRC</li> <li>• B2616: IGN RELAY CIRC</li> <li>• B2617: STARTER RELAY CIRC</li> <li>• B2618: BCM</li> <li>• B261A: PUSH-BTN IGN SW</li> <li>• B261E: VEHICLE TYPE</li> <li>• B26EA: KEY REGISTRATION</li> <li>• C1729: VHCL SPEED SIG ERR</li> <li>• U0415: VEHICLE SPEED SIG</li> </ul>	A B C D E F G		
	5	<ul style="list-style-type: none"> <li>• C1704: LOW PRESSURE FL</li> <li>• C1705: LOW PRESSURE FR</li> <li>• C1706: LOW PRESSURE RR</li> <li>• C1707: LOW PRESSURE RL</li> <li>• C1708: [NO DATA] FL</li> <li>• C1709: [NO DATA] FR</li> <li>• C1710: [NO DATA] RR</li> <li>• C1711: [NO DATA] RL</li> <li>• C1716: [PRESSDATA ERR] FL</li> <li>• C1717: [PRESSDATA ERR] FR</li> <li>• C1718: [PRESSDATA ERR] RR</li> <li>• C1719: [PRESSDATA ERR] RL</li> <li>• C1734: CONTROL UNIT</li> </ul>	H I J	
		6	<ul style="list-style-type: none"> <li>• B2621: INSIDE ANTENNA</li> <li>• B2623: INSIDE ANTENNA</li> </ul>	K

## DTC Index

INFOID:000000011067267

### NOTE:

The details of time display are as follows.

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

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [BCS-19. "COMMON ITEM : CONSULT Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	<a href="#">BCS-42</a>
U1010: CONTROL UNIT (CAN)	—	—	—	—	<a href="#">BCS-43</a>
U0415: VEHICLE SPEED SIG	—	—	—	—	<a href="#">BCS-44</a>
B2190: NATS ANTENNA AMP	×	—	—	—	<a href="#">SEC-40</a>

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# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
B2191: DIFFERENCE OF KEY	×	—	—	—	<a href="#">SEC-43</a>
B2192: ID DISCORD BCM-ECM	×	—	—	—	<a href="#">SEC-44</a>
B2193: CHAIN OF BCM-ECM	×	—	—	—	<a href="#">SEC-45</a>
B2195: ANTI SCANNING	×	—	—	—	<a href="#">SEC-46</a>
B2553: IGNITION RELAY	—	×	—	—	<a href="#">PCS-51</a>
B2555: STOP LAMP	—	×	—	—	<a href="#">SEC-47</a>
B2556: PUSH-BTN IGN SW	—	×	×	—	<a href="#">SEC-49</a>
B2557: VEHICLE SPEED	×	×	×	—	<a href="#">SEC-51</a>
B2560: STARTER CONT RELAY	×	×	×	—	<a href="#">SEC-52</a>
B2562: LOW VOLTAGE	—	×	—	—	<a href="#">BCS-45</a>
B2601: SHIFT POSITION	×	×	×	—	<a href="#">SEC-53</a>
B2602: SHIFT POSITION	×	×	×	—	<a href="#">SEC-56</a>
B2603: SHIFT POSI STATUS	×	×	×	—	<a href="#">SEC-59</a>
B2604: PNP SW	×	×	×	—	<a href="#">SEC-62</a>
B2605: PNP SW	×	×	×	—	<a href="#">SEC-64</a>
B2608: STARTER RELAY	×	×	×	—	<a href="#">SEC-66</a>
B260A: IGNITION RELAY	×	×	×	—	<a href="#">PCS-53</a>
B260F: ENG STATE SIG LOST	×	×	×	—	<a href="#">SEC-68</a>
B2614: ACC RELAY CIRC	—	×	×	—	<a href="#">PCS-55</a>
B2615: BLOWER RELAY CIRC	—	×	×	—	<a href="#">PCS-58</a>
B2616: IGN RELAY CIRC	—	×	×	—	<a href="#">PCS-61</a>
B2617: STARTER RELAY CIRC	×	×	×	—	<a href="#">SEC-71</a>
B2618: BCM	×	×	×	—	<a href="#">PCS-64</a>
B261A: PUSH-BTN IGN SW	—	×	×	—	<a href="#">SEC-73</a>
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	<a href="#">SEC-76</a>
B2621: INSIDE ANTENNA	—	×	—	—	<a href="#">DLK-58</a>
B2623: INSIDE ANTENNA	—	×	—	—	<a href="#">DLK-60</a>
B26E1: ENG STATE NO RES	×	×	×	—	<a href="#">SEC-69</a>
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	<a href="#">SEC-70</a>
C1704: LOW PRESSURE FL	—	—	—	×	<a href="#">WT-24</a>
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	<a href="#">WT-26</a>
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[WITH ADP]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
C1716: [PRESSDATA ERR] FL	—	—	—	×	<a href="#">WT-29</a>
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	<a href="#">WT-31</a>
C1734: CONTROL UNIT	—	—	—	×	<a href="#">WT-33</a>

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# DOOR MIRROR DOES NOT OPERATE

[WITH ADP]

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### DOOR MIRROR DOES NOT OPERATE

#### Diagnosis Procedure

INFOID:0000000010597958

#### 1. CHECK AUTOMATIC DRIVE POSITIONER SYSTEM

---

Check door mirror operate with automatic drive positioner system.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check automatic drive positioner system operation. Refer to [ADP-13. "AUTOMATIC DRIVE POSITIONER SYSTEM : System Diagram"](#).

#### 2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH)

---

Check mirror switch.

Refer to [MIR-12. "MIRROR SWITCH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3. CHECK DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH)

---

Check changeover switch.

Refer to [MIR-14. "CHANGEOVER SWITCH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

#### 4. CONFIRM THE OPERATION

---

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-45. "Intermittent Incident"](#).

NO >> GO TO 1.

# REVERSE INTERLOCK DOOR MIRROR DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[WITH ADP]

## REVERSE INTERLOCK DOOR MIRROR DOES NOT OPERATE

### Diagnosis Procedure

INFOID:000000010597959

#### 1.CHECK DOOR MIRROR (MANUAL FUNCTION)

Check door mirror function with door mirror remote control switch.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK DTC

Check DTC for TCM.

Refer to [TM-156. "DTC Index"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-45. "Intermittent Incident"](#).

NO >> GO TO 1.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

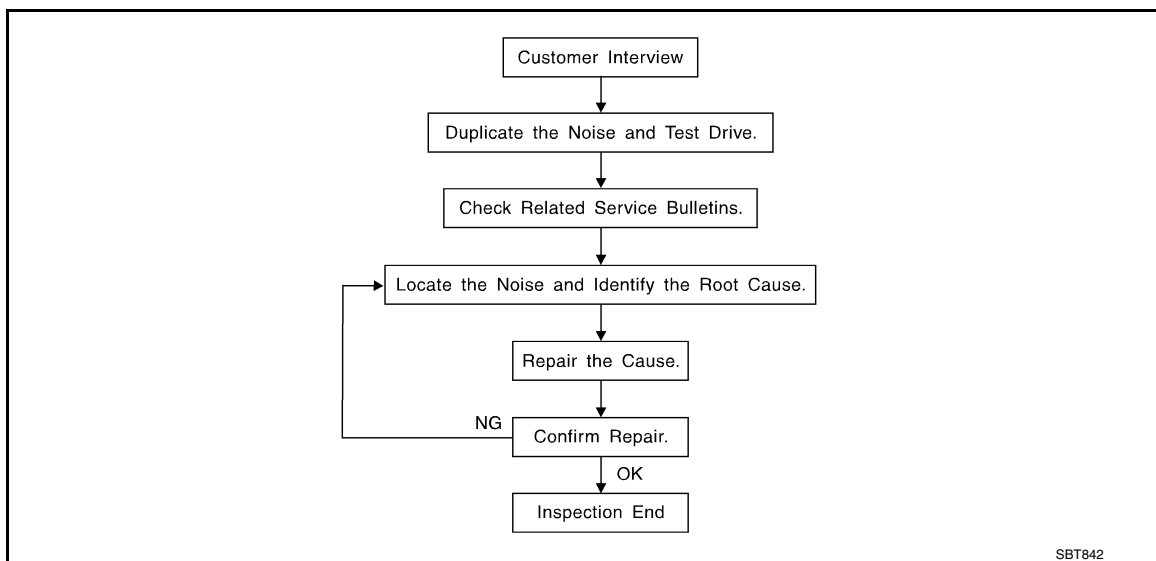
< SYMPTOM DIAGNOSIS >

[WITH ADP]

## SQUEAK AND RATTLE TROUBLE DIAGNOSES

### Work Flow

INFOID:000000010597960



### 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 [MIR-116, "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 clip or fastener/incorrect clearance.
- 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 you 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

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 you confirm the repair.



# SQUEAK AND RATTLE TROUBLE DIAGNOSES

[WITH ADP]

## < 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 you suspect the noise is coming from.  
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 you suspect is causing 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 with your hand by touching the component(s) that you suspect is (are) causing the noise.
  - placing a piece of paper between components that you suspect are causing the noise.
  - looking for loose components and contact marks.  
Refer to [MIR-114, "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 your authorized Nissan Parts Department.

### **CAUTION:**

**Do not 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 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02: 15 × 25 mm (0.59 × 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 × 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97in)

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 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

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

[WITH ADP]

## < SYMPTOM DIAGNOSIS >

Insulates where slight movement is present. Ideal for instrument panel applications.

### SILICONE GREASE

Used in place of UHMW tape that will be visible or not fit. Will only last a few months.

### SILICONE SPRAY

Use when grease cannot be applied.

### DUCT TAPE

Use 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

INFOID:0000000010597961

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
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. 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:**

**Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.**

## CENTER CONSOLE

Components to pay attention to include:

1. Shifter assembly cover to finisher
2. A/C control unit and cluster lid C
3. 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:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. 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. You can usually insulate the areas 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 owner.

In addition look for:

1. Trunk lid dumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

[WITH ADP]

## < 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:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. 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 seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. 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
3. 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.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITH ADP]

## Diagnostic Worksheet

INFOID:000000010597962



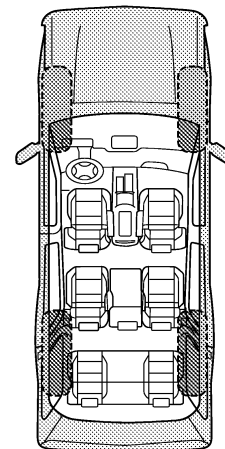
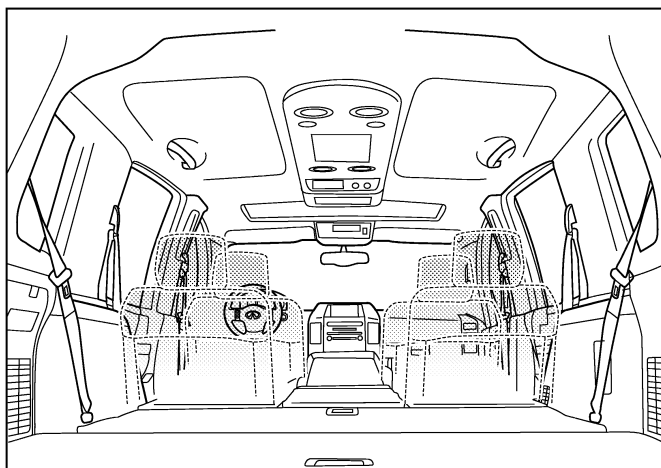
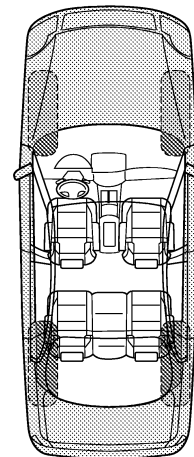
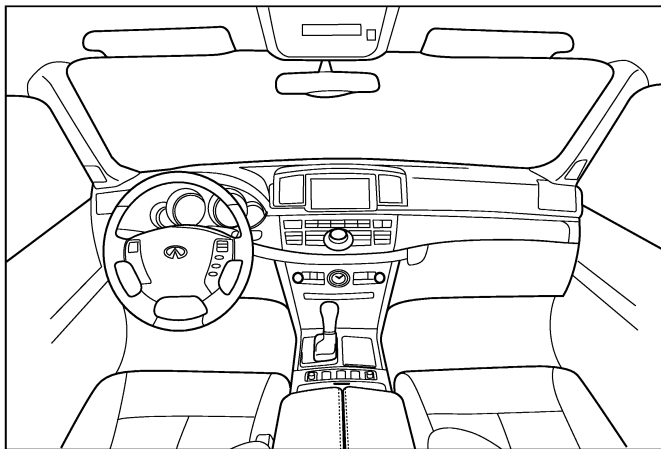
### SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:

We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti 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 consultant 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.

PIIB8741E

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITH ADP]

## SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

---

---

### II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- |   |  |
|---|--|
| <input type="checkbox"/> anytime                      | <input type="checkbox"/> after sitting out in the rain |
| <input type="checkbox"/> 1st time in the morning      | <input type="checkbox"/> when it is raining or wet     |
| <input type="checkbox"/> only when it is cold outside | <input type="checkbox"/> dry or dusty conditions       |
| <input type="checkbox"/> only when it is hot outside  | <input type="checkbox"/> other:                        |

### III. WHEN DRIVING:

- 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: \_\_\_\_\_
- after driving \_\_\_\_ miles or \_\_\_\_ minutes

### IV. WHAT TYPE OF NOISE

- squeak (like tennis shoes on a clean floor)
- creak (like walking on an old wooden floor)
- rattle (like shaking a baby rattle)
- knock (like a knock at the door)
- tick (like a clock second hand)
- thump (heavy, muffled knock noise)
- buzz (like a bumble bee)

### TO BE COMPLETED BY DEALERSHIP PERSONNEL

#### Test Drive Notes:

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	YES	NO	Initials of person performing
Vehicle test driven with customer	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise verified on test drive	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise source located and repaired	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Follow up test drive performed to confirm repair	<input type="checkbox"/>	<input type="checkbox"/>	_____

VIN: \_\_\_\_\_ Customer Name: \_\_\_\_\_  
W.O.# \_\_\_\_\_ Date: \_\_\_\_\_

This form must be attached to Work Order

PIIB8742E

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# PRECAUTION

## PRECAUTIONS

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

INFOID:000000010597963

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:**

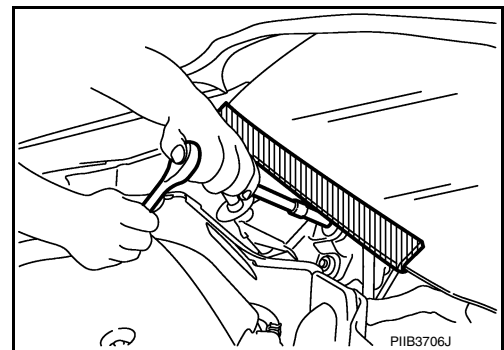
Always observe the following items for preventing accidental activation.

- 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:000000010830356

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



# PRECAUTIONS

< PRECAUTION >

[WITH ADP]

## Precautions for Removing Battery Terminal

INFOID:0000000110830358

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

**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.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

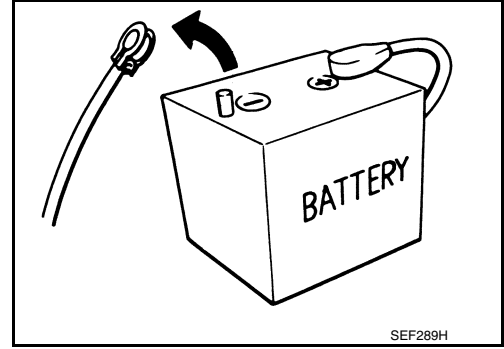
**NOTE:**

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.



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# PREPARATION

< PREPARATION >

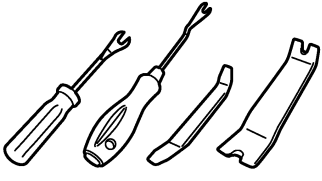
[WITH ADP]

## PREPARATION

### PREPARATION

#### Commercial Service Tools

INFOID:0000000010597964

Tool name	Description
Remover tool  JMKIA3050ZZ	Remove the clip, pawl and metal clip



# INSIDE MIRROR

< REMOVAL AND INSTALLATION >

[WITH ADP]

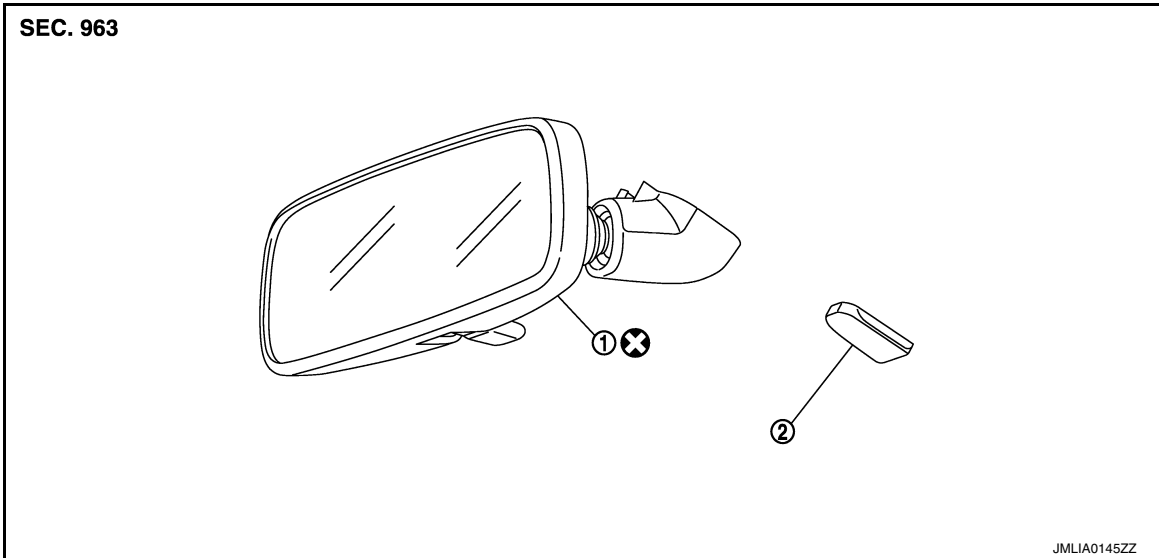
## REMOVAL AND INSTALLATION

### INSIDE MIRROR

Exploded View

INFOID:0000000010597965

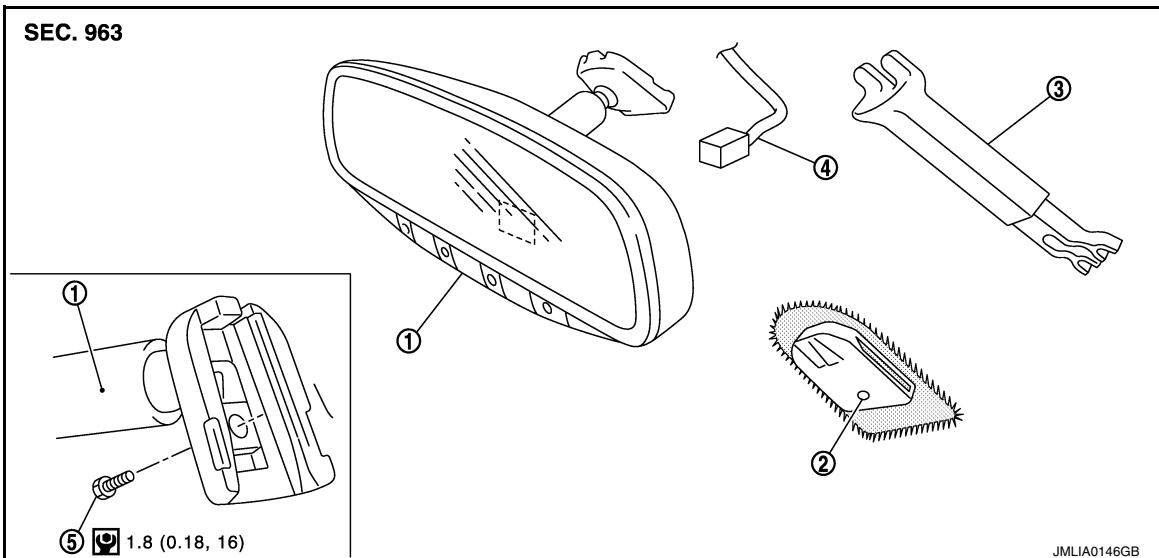
Base



- 1. Inside mirror
- 2. Mirror base

⊗ : Always replace after every disassembly

Option



- 1. Inside mirror
- 2. Mirror base
- 3. Inside mirror cover
- 4. Harness connector
- 5. TORX bolt

⊕ : N·m (kg-m, in-lb)

### Removal and Installation

INFOID:0000000010597966

#### REMOVAL

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# INSIDE MIRROR

[WITH ADP]

## < REMOVAL AND INSTALLATION >

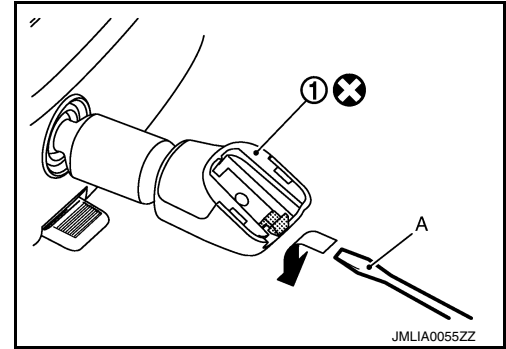
### Base model

1. Insert minus driver (A) under the inside mirror (1).
2. Slide the inside mirror to the upper side while pushing the pawl downward.

⊗ : Always replace after every disassembly

### CAUTION:

Never use excessive force to remove the inside mirror because it is inserted tightly into the mirror base.



### Option model

1. Remove the inside mirror cover.
2. Remove TORX bolt.
3. Disconnect harness connector.
4. Slide the inside mirror upward to remove.

## INSTALLATION

Install in the reverse order of removal.

### CAUTION:

When inserting the inside mirror into the mirror base, be sure to push the pawl until it get connected to the mirror base.

# OUTSIDE MIRROR

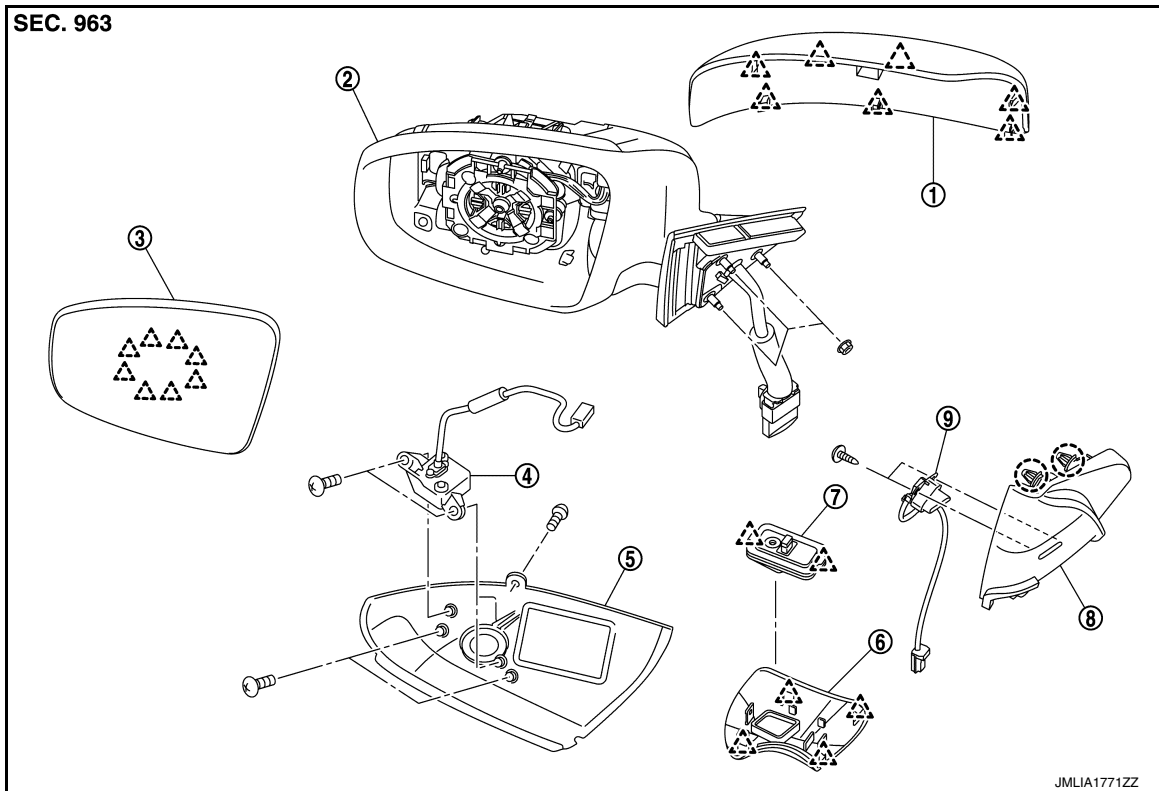
< REMOVAL AND INSTALLATION >

[WITH ADP]

## OUTSIDE MIRROR

### Exploded View

INFOID:000000010597967



- |  |   |                  |
|--|---|------------------|
| 1. Door mirror cover                             | 2. Mirror assembly  | 3. Glass mirror  |
| 4. Side camera assembly (with side camera model) | 5. Side camera finisher assembly (with side camera model) | 6. Base cover    |
| 7. Puddle lamp                                   | 8. Door mirror corner cover                               | 9. BSW indicator |

- : Clip  
△ : Pawl

## DOOR MIRROR ASSEMBLY

### DOOR MIRROR ASSEMBLY : Removal and Installation

INFOID:000000010597968

#### REMOVAL

- Remove front door finisher.
  - Driver side: Refer to [INT-12, "DRIVER SIDE : Removal and Installation"](#).
  - Passenger side: Refer to [INT-15, "PASSENGER SIDE : Removal and Installation"](#).
- Disconnect BSW indicator harness connector. (if equipped)
- Remove door corner cover fixing clips and remove door corner cover.
- Disconnect door mirror harness connector.
- Remove mounting nuts, and then remove door mirror assembly.

#### INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

Perform camera image calibration. Refer to [AV-429, "CALIBRATING CAMERA IMAGE \(AROUND VIEW MONITOR\) : Work Procedure"](#).

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# OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

[WITH ADP]

## DOOR MIRROR ASSEMBLY : Disassembly and Assembly

INFOID:000000010597969

### DISASSEMBLY

1. Remove door mirror cover. Refer to [MIR-124, "DOOR MIRROR COVER : Removal and Installation"](#).
2. Remove side camera after removing door mirror assembly.(BOSE audio with navigation model)
  - Side camera LH: Refer to [AV-539, "Removal and Installation"](#).
  - Side camera RH: Refer to [AV-540, "Removal and Installation"](#).
3. Remove base cover and puddle lamp.

### ASSEMBLY

Assemble in the reverse order of disassemble.

## GLASS MIRROR

### GLASS MIRROR : Removal and Installation

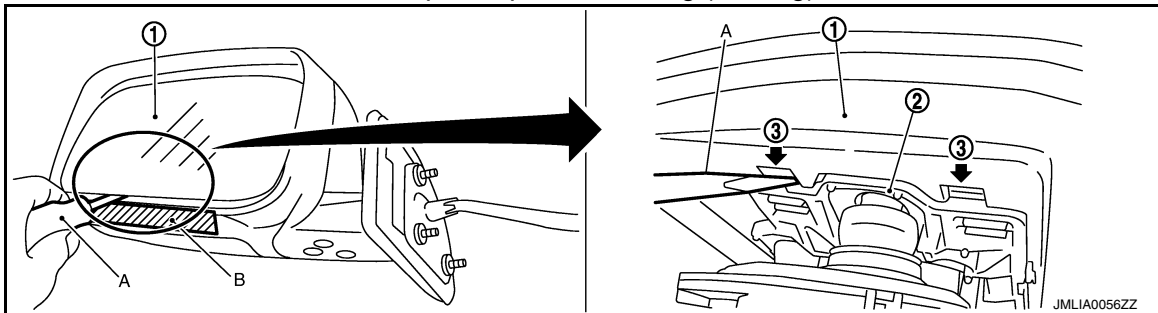
INFOID:000000010597970

#### DISASSEMBLY

1. Place the glass mirror upward.
2. Put a strip of protective tape (B) on housing assembly.
3. As shown in the figure, insert a flat-bladed screwdriver (A) into the recess between glass mirror (1) and actuator (2). Push up both pawls (3) simultaneously to remove glass mirror lower half side.

**NOTE:**

Insert screwdriver into recesses, and push up while rotating (twisting) to make work easier.



4. Remove two terminals of mirror heater attachment.
5. Lightly lift up lower side of glass mirror, and detach both pawls of upper side as if pulling it out. Disassemble glass mirror from actuator.

**NOTE:**

Be certain not to allow grease on sealing agent in center of mirror or back side of glass mirror.

### ASSEMBLY

Assemble in the reverse order of disassemble.

**CAUTION:**

After installation, visually check that pawls are securely engaged.

## DOOR MIRROR COVER

### DOOR MIRROR COVER : Removal and Installation

INFOID:000000010597971

**CAUTION:**

Do not damage the mirror bodies.

#### DISASSEMBLY

1. Remove the glass mirror. Refer to [MIR-124, "GLASS MIRROR : Removal and Installation"](#).
2. Remove the pawls, and disassemble the door mirror cover from the mirror assembly.

### ASSEMBLY

Assemble in the reverse order of disassemble.

**CAUTION:**

After installation, visually check that pawls are securely engaged.

# DOOR MIRROR REMOTE CONTROL SWITCH

< REMOVAL AND INSTALLATION >

[WITH ADP]

## DOOR MIRROR REMOTE CONTROL SWITCH

### Exploded View

INFOID:000000010597972


Refer to [INT-12, "DRIVER SIDE : Exploded View"](#).

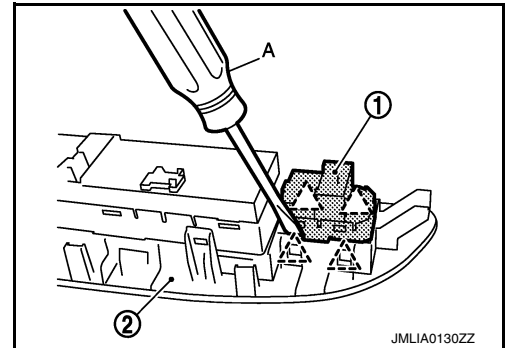
### Removal and Installation

INFOID:000000010597973

#### REMOVAL

1. Remove the power window main switch finisher. Refer to [INT-12, "DRIVER SIDE : Removal and Installation"](#).
2. Remove door mirror remote control switch (1) from power window main switch finisher (2) using remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.

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# DOOR MIRROR SYSTEM

< SYSTEM DESCRIPTION >

[WITHOUT ADP]

## SYSTEM DESCRIPTION

### DOOR MIRROR SYSTEM

#### Component Description

INFOID:0000000010597974

Component	Function
Door mirror remote control switch	It supplies power to mirror motor through mirror switch and changeover switch.
Door mirror	It makes mirror face operate from side to side and up and down with the mirror control switch operation.

# INSIDE MIRROR SYSTEM

< SYSTEM DESCRIPTION >

[WITHOUT ADP]

## INSIDE MIRROR SYSTEM

### System Description

INFOID:000000010597975

The sensor built in inside mirror detects the brightness of headlight of the vehicle behind and automatically changes the light transmission to decrease the brightness.

### Component Description

INFOID:000000010597976

Component	Function
Auto anti-dazzling inside mirror	It automatically changes the light transmittance according to the brightness of the light from the headlight of the vehicle behind.

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# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITHOUT ADP]

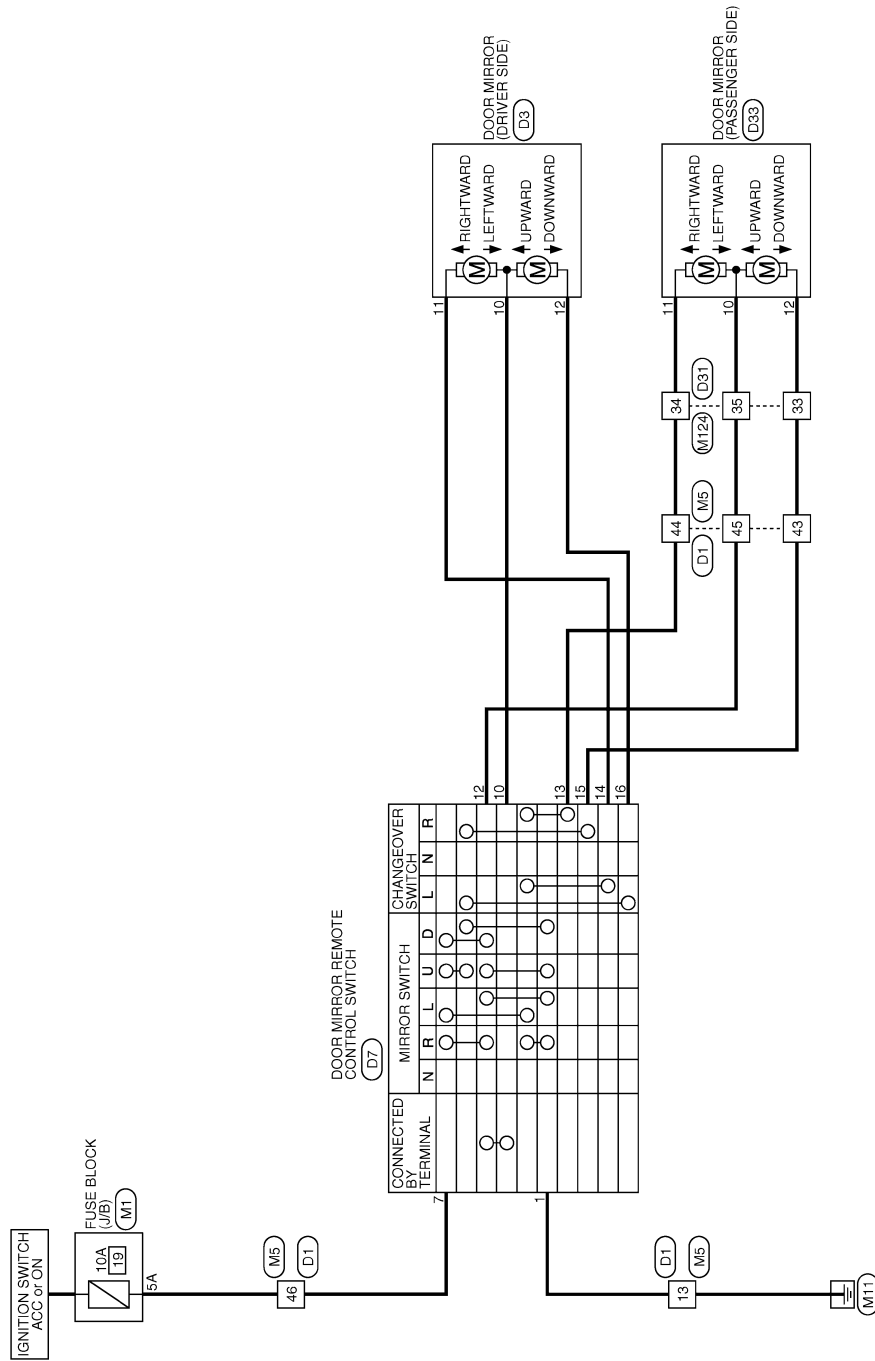
## DTC/CIRCUIT DIAGNOSIS

### DOOR MIRROR SYSTEM

#### Wiring Diagram - DOOR MIRROR (WITHOUT AUTOMATIC DRIVE POSITIONER) -

INFOID:000000010597977

DOOR MIRROR (WITHOUT AUTOMATIC DRIVE POSITIONER)



2008/08/28

JCLWA2505GB



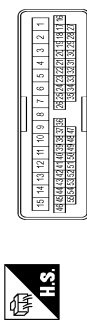
# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITHOUT ADP]

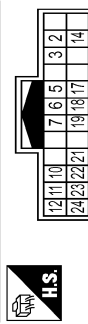
## DOOR MIRROR (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH46PW-C515



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	B	
3	Y	
4	W	
5	L	
6	O	
7	GR	
8	W	
9	O	
10	BR	
11	P	
12	LG	
13	B	
14	Y	
15	W	
16	W	
17	W	
18	G	
19	Y	
20	W	
21	O	
22	P	
23	BR	
24	V	
25	GR	
26	Y	
27	B	
28	SHIELD	
29	LG	
30	G	
31	W	
32	G	
33	L	
34	SB	
35	R	

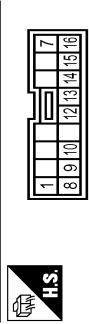
Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH2AMP-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	
2	B	
3	Y	
4	R	
5	G	
6	P	
7	LG	
8	W	
9	G	
10	C	
11	P	
12	O	
13	LG	
14	G	
17	G	

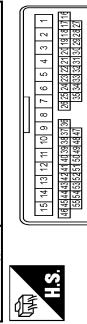
Terminal No.	18	W	SIDE CAMERA LH GND
	19	W	
	20	GR	
	21	GR	
	22	GR	
	23	Y	
	24	V	

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	
2	R	
3	SHIELD	
4	W	
5	V	
6	B	
7	R	
8	B	
9	R	
10	G	
11	G	
12	G	
13	GR	
14	GR	
15	L	
16	O	

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH46PW-C515



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	W	
3	W	
4	W	
5	W	
6	BR	
7	BR	
8	BR	
9	BR	
10	BR	
11	BR	
12	P	
13	LG	
14	B	
15	W	
16	BR	
17	B	
18	R	
19	Y	
20	B	
21	R	
22	Y	
23	P	
24	W	
25	SB	
26	R	
27	SHIELD	
28	W	
29	W	
30	W	
31	LG	
32	BR	
33	O	
34	GR	
35	G	
36	R	
37	R	
38	C	
39	C	
40	Y	
41	Y	
42	P	
43	Y	
44	P	
45	P	
46	W	
47	SHIELD	
48	G	
49	G	
50	GR	
51	GR	
52	GR	
53	GR	
54	O	
55	L	

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# DOOR MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITHOUT ADP]

## DOOR MIRROR (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	11	10	7	6	5	4	3							

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	10	9	8	7	6	5	4	3	2	1				

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	B	
3	BR	
4	P	
5	L	
6	R	
7	R	
8	W	
9	W	
10	G	
11	G	
12	V	
13	B	
14	Y	
15	W	
16	R	
17	B	
18	G	
19	Y	
20	L	
21	LG	
22	G	
23	Y	
24	G	
25	GR	
26	R	
27	W	
28	SHIELD	
29	Y	
30	Y	



Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2

3A	2A	1A
8A	7A	6A
	5A	4A

Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	
2A	G	
3A	L	
4A	R	

Terminal No.	Color Of Wire	Signal Name [Specification]
18	R	
19	B	
20	W	- [Without BOSE audio]
20	W	- [With BOSE audio]
21	Y	- [Without BOSE audio]
21	G	- [With BOSE audio]
21	L	
22	SB	
23	GR	
24	G	
25	Y	
26	R	
29	SHIELD	
30	W	
31	LG	
32	BR	
34	V	
35	G	
36	Y	
37	BR	
43	L	
44	Y	
45	R	
46	W	
47	SHIELD	
52	R	
53	G	
54	W	
55	BR	

Terminal No.	Color Of Wire	Signal Name [Specification]
31	R	
32	BR	
33	SR	
34	Y	
35	P	
36	LG	
37	BR	
38	P	
39	BG	
40	SB	
41	L	
42	R	
43	BR	
44	V	
45	Y	
46	SR	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
47	R	
48	G	
49	P	
50	SHIELD	
52	R	
53	V	
54	LG	
55	SB	

Connector No.	M24
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	10	9	8	7	6	5	4	3	2	1				

Terminal No.	Color Of Wire	Signal Name [Specification]
7	V	
8	V	
12	L	
13	V	
14	B	
15	W	
16	BR	
17	B	



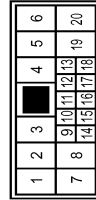
# AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[WITHOUT ADP]

## INSIDE MIRROR

Connector No.	R1
Connector Name	FUSE BLOCK (J B)
Connector Type	NSDBFW-M2

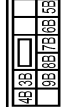


Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	NI10MK-SS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	G	--
2A	G	--
3A	L	--
4A	R	--
5A	V	--
6A	Y	--
7A	R	--
8A	L	--

Connector No.	M2
Connector Name	FUSE BLOCK (J B)
Connector Type	NS1PFW-CS



Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03PW-LC



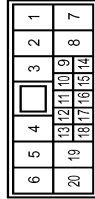
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	Y	--
3	R	--

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03PW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	Y	--
3	R	--

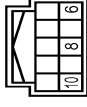
Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NI10PW-SS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	--
2	SHIELD	--
3	BR	--
4	W	-- [With automatic drive function] -- [Without automatic drive function]
5	G	--
7	BR	--
8	Y	--
9	B	--

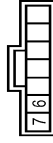
Terminal No.	Color Of Wire	Signal Name [Specification]
10	Y	--
11	V	--
12	BR	--
13	R	--
14	W	--
15	SHIELD	--
16	B	--
18	B	--

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH1PFE-MH



Terminal No.	Color Of Wire	Signal Name [Specification]
9	BR	--
10	G	--

Connector No.	R8
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	JAA07B



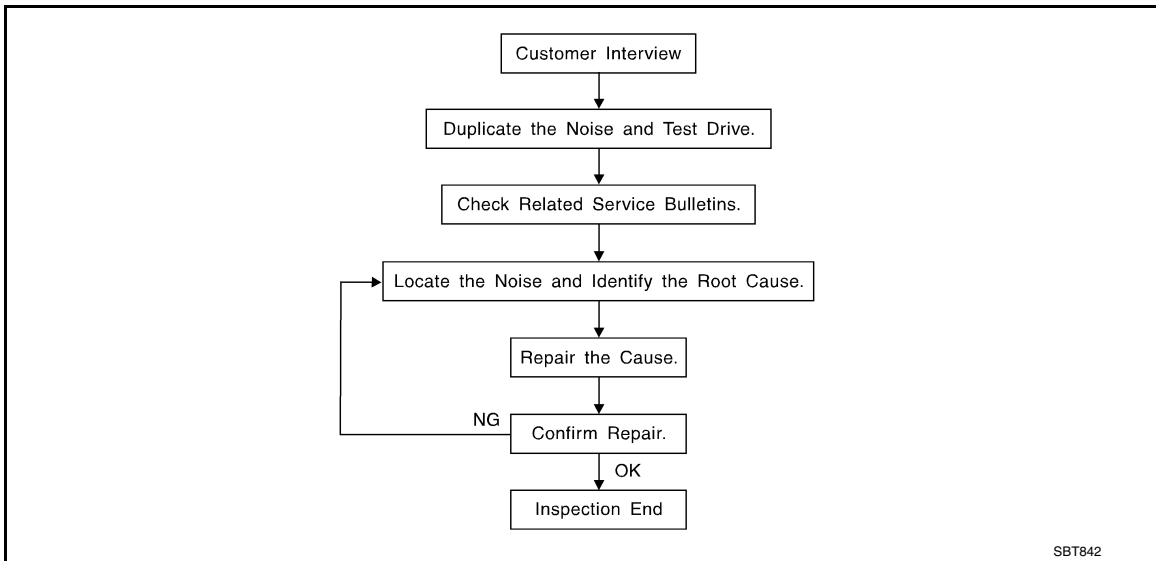
Terminal No.	Color Of Wire	Signal Name [Specification]
6	BR	--
7	W	--

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000010597979



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 [MIR-137, "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 clip or fastener/incorrect clearance.
- 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 you 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

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITHOUT ADP]

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 you confirm the repair.

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 you suspect the noise is coming from.  
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 you suspect is causing 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 with your hand by touching the component(s) that you suspect is (are) causing the noise.
  - placing a piece of paper between components that you suspect are causing the noise.
  - looking for loose components and contact marks.  
Refer to [MIR-135, "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 your authorized Nissan Parts Department.

### CAUTION:

**Do not 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 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02: 15 × 25 mm (0.59 × 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 × 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97in)

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITHOUT ADP]

68370-4B000: 15 × 25 mm (0.59 × 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

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used in place of UHMW tape that will be visible or not fit. Will only last a few months.

SILICONE SPRAY

Use when grease cannot be applied.

DUCT TAPE

Use 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

INFOID:0000000010597980

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
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. 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:

**Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.**

## CENTER CONSOLE

Components to pay attention to include:

1. Shifter assembly cover to finisher
2. A/C control unit and cluster lid C
3. 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:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. 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. You can usually insulate the areas 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 owner.

In addition look for:

1. Trunk lid dumpers out of adjustment
2. Trunk lid striker out of adjustment

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

[WITHOUT ADP]

## < SYMPTOM DIAGNOSIS >

3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

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:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. 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 seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. 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
3. 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.



# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITHOUT ADP]

## Diagnostic Worksheet

INFOID:0000000110597981



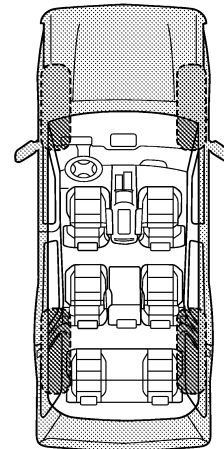
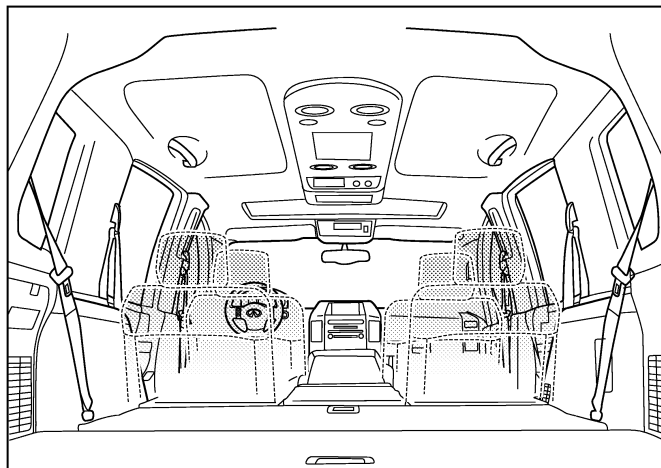
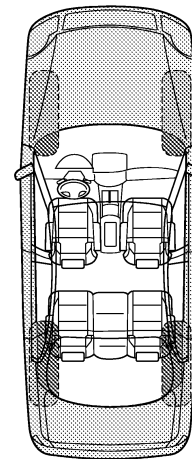
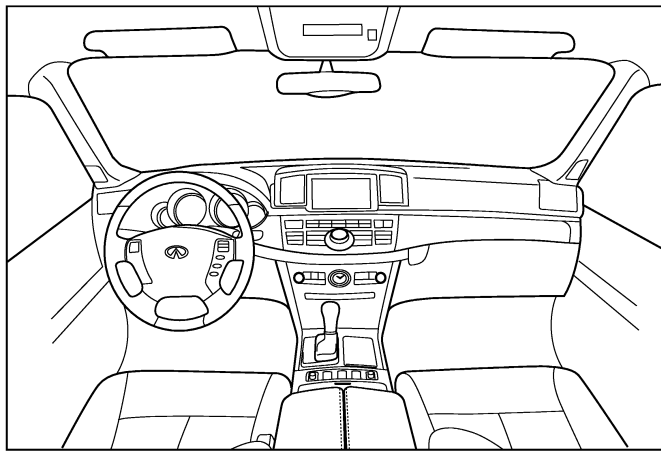
### SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:

We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti 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 consultant 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.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[WITHOUT ADP]

## SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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### II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- |   |  |
|---|--|
| <input type="checkbox"/> anytime                      | <input type="checkbox"/> after sitting out in the rain |
| <input type="checkbox"/> 1st time in the morning      | <input type="checkbox"/> when it is raining or wet     |
| <input type="checkbox"/> only when it is cold outside | <input type="checkbox"/> dry or dusty conditions       |
| <input type="checkbox"/> only when it is hot outside  | <input type="checkbox"/> other:                        |

### III. WHEN DRIVING:

- 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: \_\_\_\_\_
- after driving \_\_\_\_ miles or \_\_\_\_ minutes

### IV. WHAT TYPE OF NOISE

- squeak (like tennis shoes on a clean floor)
- creak (like walking on an old wooden floor)
- rattle (like shaking a baby rattle)
- knock (like a knock at the door)
- tick (like a clock second hand)
- thump (heavy, muffled knock noise)
- buzz (like a bumble bee)

### TO BE COMPLETED BY DEALERSHIP PERSONNEL

#### Test Drive Notes:

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	YES	NO	Initials of person performing
Vehicle test driven with customer	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise verified on test drive	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise source located and repaired	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Follow up test drive performed to confirm repair	<input type="checkbox"/>	<input type="checkbox"/>	_____

VIN: \_\_\_\_\_ Customer Name: \_\_\_\_\_  
W.O.# \_\_\_\_\_ Date: \_\_\_\_\_

This form must be attached to Work Order

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PRECAUTION

PRECAUTIONS

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

INFOID:000000010597982

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:**

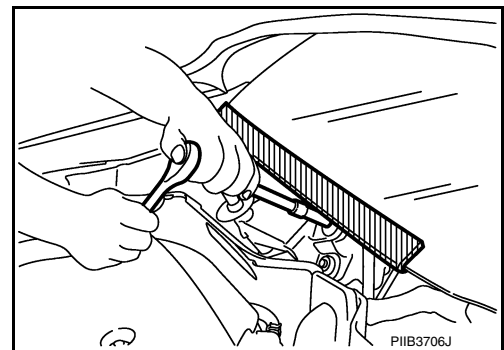
Always observe the following items for preventing accidental activation.

- 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:000000010830357

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



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# PRECAUTIONS

< PRECAUTION >

[WITHOUT ADP]

## Precautions for Removing Battery Terminal

INFOID:000000010830359

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

**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.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

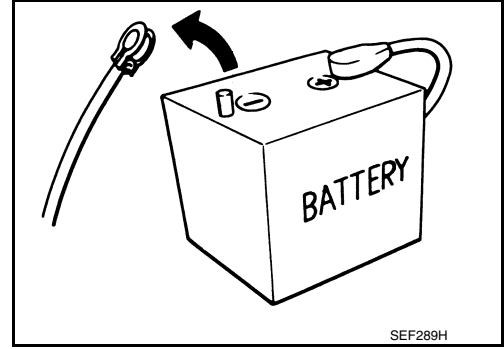
**NOTE:**

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.



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# PREPARATION

< PREPARATION >

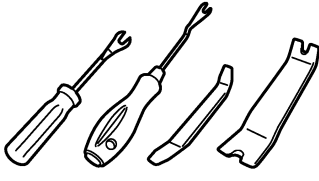
[WITHOUT ADP]

## PREPARATION

### PREPARATION

#### Commercial Service Tools

INFOID:0000000010597983

Tool name	Description
Remover tool  JMKIA3050ZZ	Remove the clip and pawl and metal clip

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# INSIDE MIRROR

< REMOVAL AND INSTALLATION >

[WITHOUT ADP]

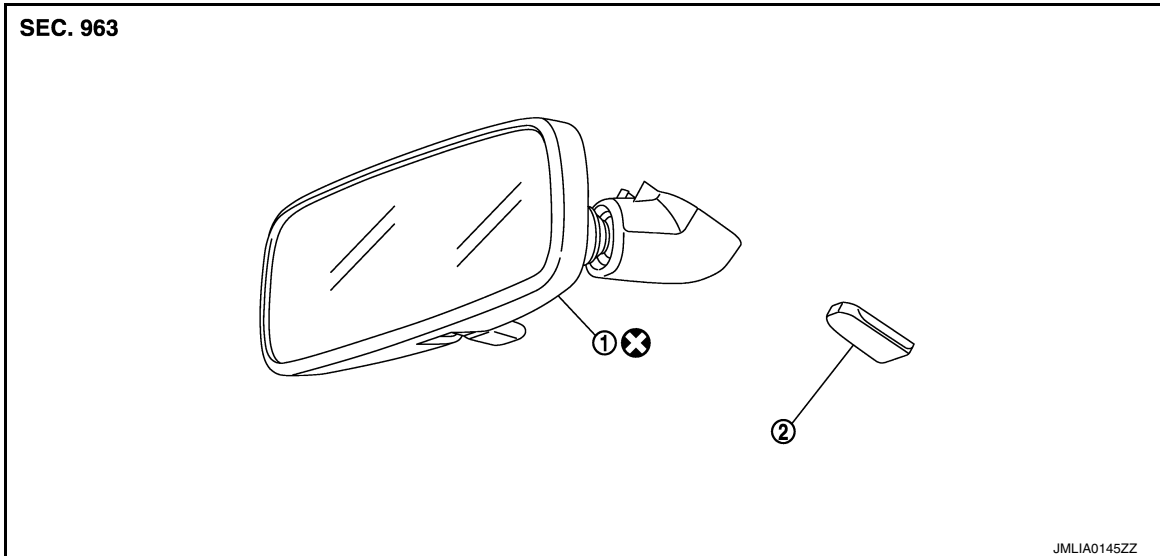
## REMOVAL AND INSTALLATION

### INSIDE MIRROR

Exploded View

INFOID:000000010597984

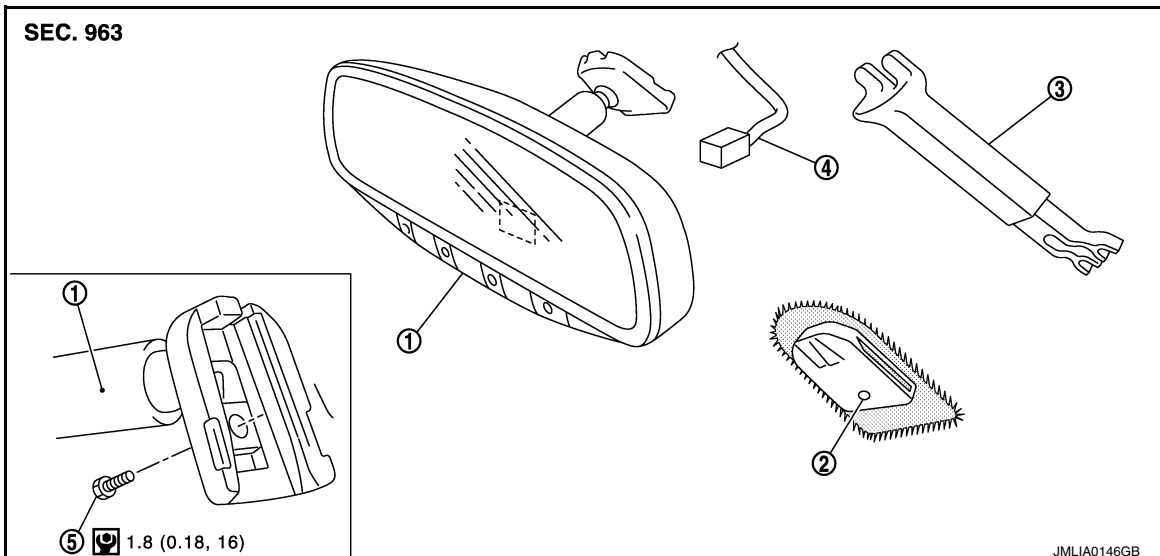
Base



1. Inside mirror                      2. Mirror base

⊗ : Always replace after every disassembly

Option



1. Inside mirror                      2. Mirror base                      3. Inside mirror cover  
4. Harness connector              5. TORX bolt

⊕ : N·m (kg-m, in-lb)

### Removal and Installation

INFOID:000000010597985

#### REMOVAL

# INSIDE MIRROR

## < REMOVAL AND INSTALLATION >

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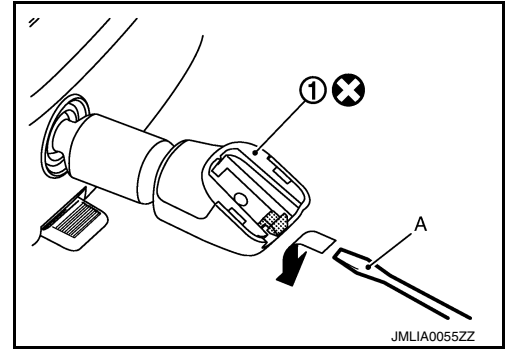
### Base model

1. Insert minus driver (A) under the inside mirror (1).
2. Slide the inside mirror to the upper side while pushing the pawl downward.

⊗ : Always replace after every disassembly

### CAUTION:

Never use excessive force to remove the inside mirror because it is inserted tightly into the mirror base.



### Option model

1. Remove the inside mirror cover.
2. Remove TORX bolt.
3. Disconnect harness connector.
4. Slide the inside mirror upward to remove.

### INSTALLATION

Install in the reverse order of removal.

### CAUTION:

When inserting the inside mirror into the mirror base, be sure to push the pawl until it get connected to the mirror base.

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# OUTSIDE MIRROR

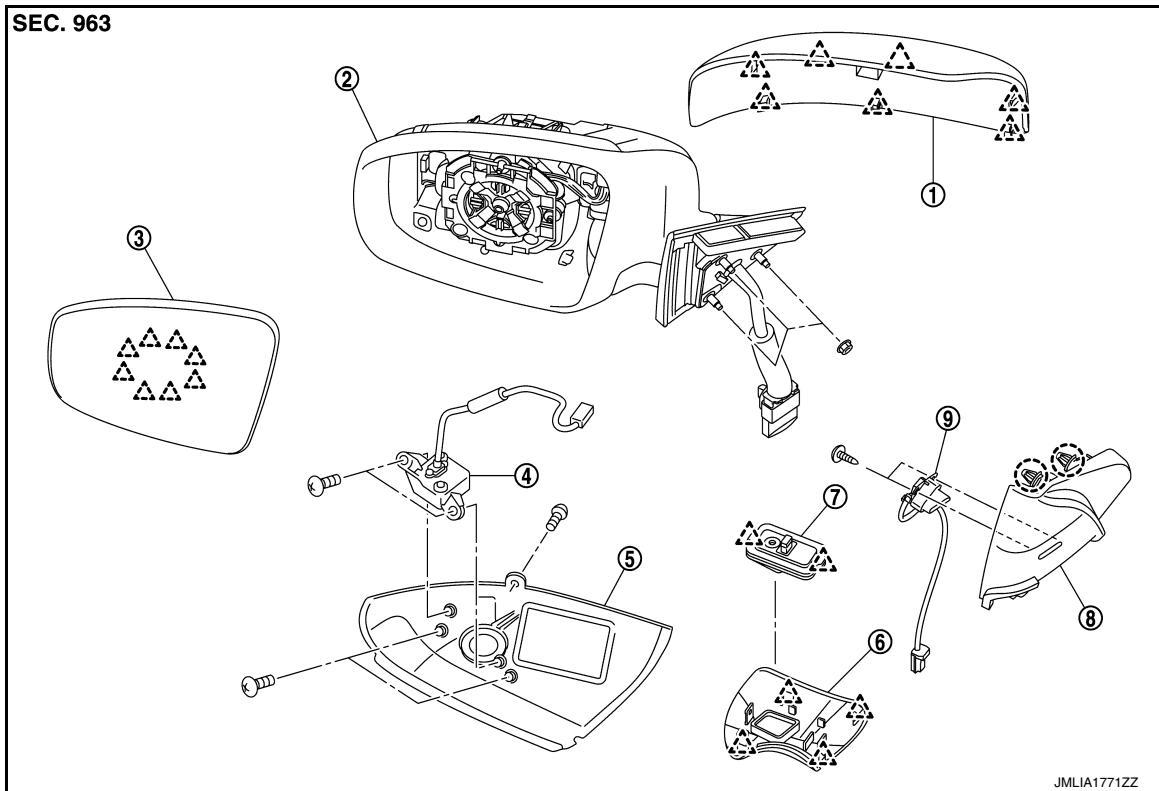
< REMOVAL AND INSTALLATION >

[WITHOUT ADP]

## OUTSIDE MIRROR

Exploded View

INFOID:000000010597986



- |  |   |                  |
|--|---|------------------|
| 1. Door mirror cover                             | 2. Mirror assembly  | 3. Glass mirror  |
| 4. Side camera assembly (with side camera model) | 5. Side camera finisher assembly (with side camera model) | 6. Base cover    |
| 7. Puddle lamp                                   | 8. Door mirror corner cover                               | 9. BSW indicator |

- : Clip  
△ : Pawl

## DOOR MIRROR ASSEMBLY

### DOOR MIRROR ASSEMBLY : Removal and Installation

INFOID:000000010597987

#### REMOVAL

1. Remove front door finisher.
  - Driver side: Refer to [INT-12, "DRIVER SIDE : Removal and Installation"](#).
  - Passenger side: Refer to [INT-15, "PASSENGER SIDE : Removal and Installation"](#).
2. Disconnect BSW indicator harness connector. (if equipped)
3. Remove door corner cover fixing clips and remove door corner cover.
4. Disconnect door mirror harness connector.
5. Remove door mirror mounting nuts, and remove door mirror assembly.

#### INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

Perform camera image calibration. Refer to [AV-429, "CALIBRATING CAMERA IMAGE \(AROUND VIEW MONITOR\) : Work Procedure"](#).



# OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

[WITHOUT ADP]

## DOOR MIRROR ASSEMBLY : Disassembly and Assembly

INFOID:0000000110597988

### DISASSEMBLY

1. Remove door mirror cover. Refer to [MIR-145. "DOOR MIRROR COVER : Disassembly and Assembly"](#).
2. Remove side camera after removing door mirror assembly (BOSE audio with navigation model).
  - Side camera LH: Refer to [AV-539. "Removal and Installation"](#).
  - Side camera RH: Refer to [AV-540. "Removal and Installation"](#).
3. Remove base cover and puddle lamp.

### ASSEMBLY

Assemble in the reverse order of disassemble.

## GLASS MIRROR

### GLASS MIRROR : Disassembly and Assembly

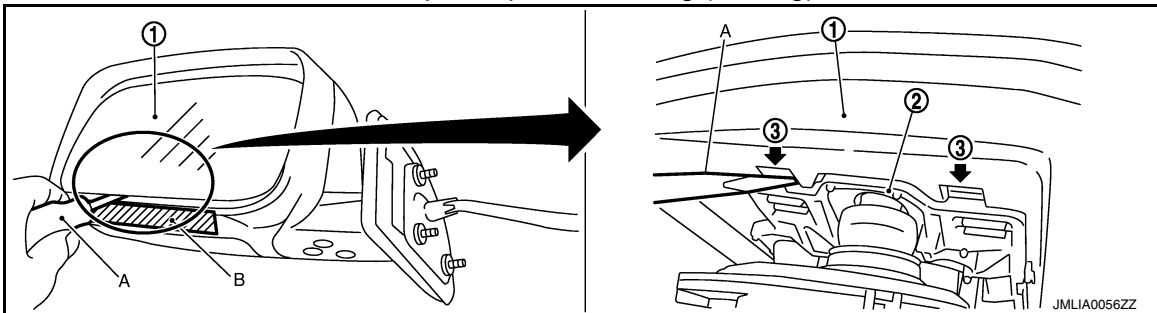
INFOID:0000000110597989

### DISASSEMBLY

1. Place the glass mirror upward.
2. Put a strip of protective tape (B) on housing assembly.
3. As shown in the figure, insert a flat-bladed screwdriver (A) into the recess between glass mirror (1) and actuator (2). Push up both pawls (3) simultaneously to remove glass mirror lower half side.

#### NOTE:

Insert screwdriver into recesses, and push up while rotating (twisting) to make work easier.



4. Remove two terminals of mirror heater attachment.
5. Lightly lift up lower side of glass mirror, and detach both pawls of upper side as if pulling it out. Disassemble glass mirror from actuator.

#### NOTE:

Be certain not to allow grease on sealing agent in center of mirror or back side of glass mirror.

### ASSEMBLY

Assemble in the reverse order of disassemble.

#### CAUTION:

After installation, visually check that pawls are securely engaged.

## DOOR MIRROR COVER

### DOOR MIRROR COVER : Disassembly and Assembly

INFOID:0000000110597990

#### CAUTION:

Do not damage the mirror bodies.

### DISASSEMBLY

1. Remove the glass mirror. Refer to [MIR-145. "GLASS MIRROR : Disassembly and Assembly"](#).
2. Remove the pawls, and disassemble the door mirror cover from the mirror assembly.

### ASSEMBLY

Assemble in the reverse order of disassemble.

#### CAUTION:

After installation, visually check that pawls are securely engaged.

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# DOOR MIRROR REMOTE CONTROL SWITCH

< REMOVAL AND INSTALLATION >

[WITHOUT ADP]

## DOOR MIRROR REMOTE CONTROL SWITCH

### Exploded View

INFOID:000000010597991


Refer to [INT-12, "DRIVER SIDE : Exploded View"](#).

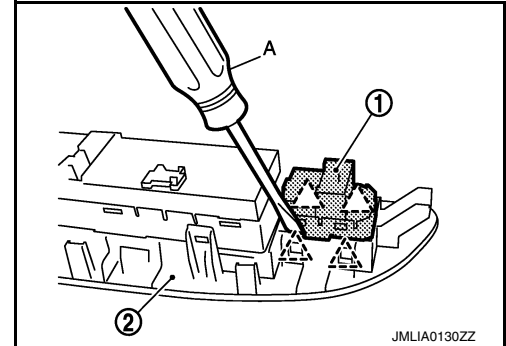
### Removal and Installation

INFOID:000000010597992

#### REMOVAL

1. Remove the power window main switch finisher. Refer to [INT-12, "DRIVER SIDE : Removal and Installation"](#).
2. Remove door mirror remote control switch (1) from power window main switch finisher (2) using remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.