

SECTION **MIR**

MIRRORS

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000010262149

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. 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:

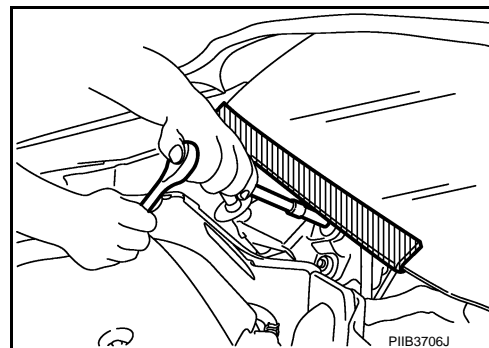
Always observe the following items for preventing accidental activation.

- 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:000000011509224

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



Precautions for Removing Battery Terminal

INFOID:000000010262150

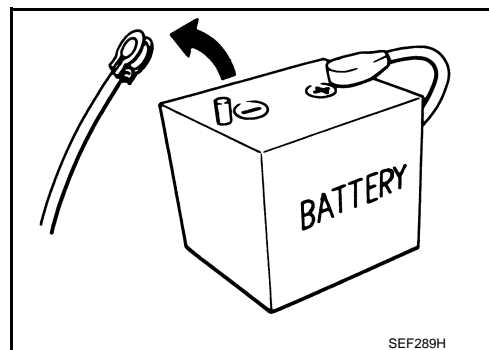
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

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:



PRECAUTIONS

< PRECAUTION >

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.

PREPARATION

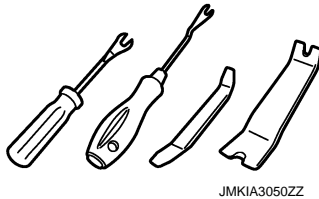
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PREPARATION

Commercial Service Tools

INFOID:0000000010262151

Tool name	Description
Remover tools  JMKIA3050ZZ	Removes the clips, pawls and metal clips

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COMPONENT PARTS

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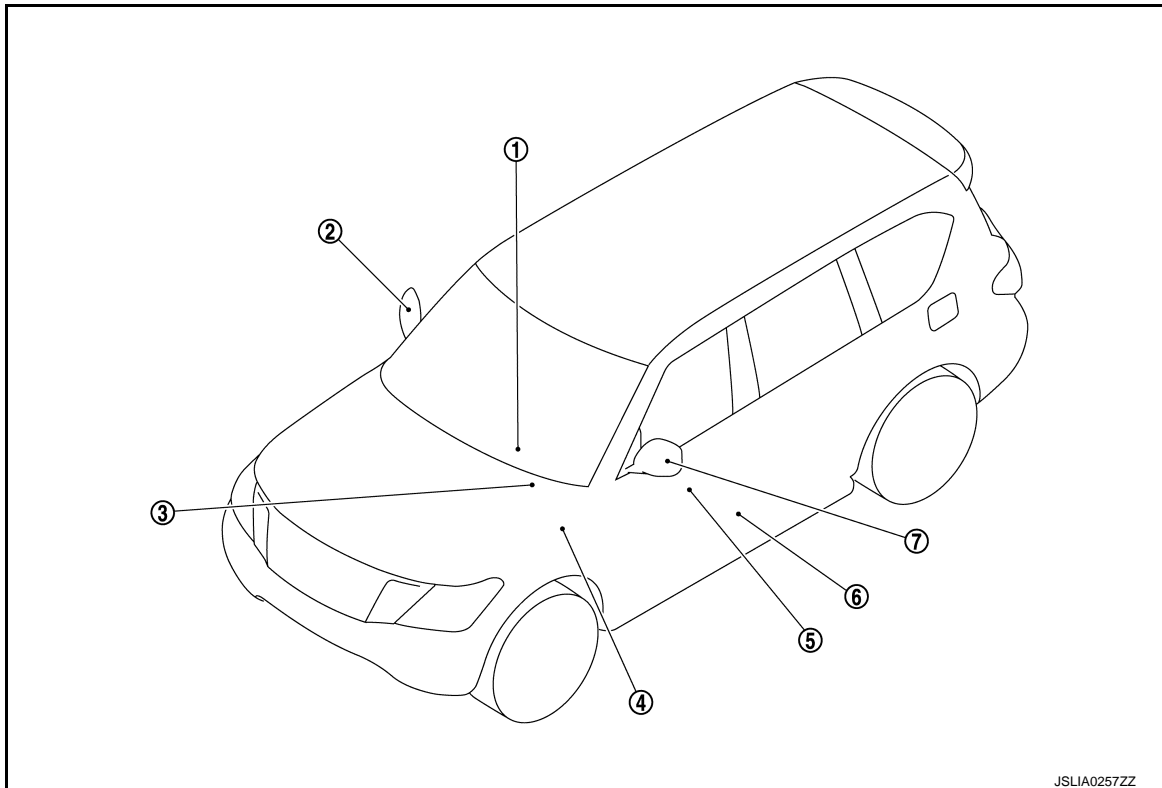
SYSTEM DESCRIPTION

COMPONENT PARTS

DOOR MIRROR

DOOR MIRROR : Component Parts Location

INFOID:0000000010262152



JSLIA0257ZZ

- | | | |
|--|---|--|
| 1. TCM
Refer to TM-11, "A/T CONTROL SYSTEM : Component Parts Location" . | 2. Door mirror (passenger side) | 3. BCM
Refer to BCS-4, "BODY CONTROL SYSTEM : Component Parts Location" . |
| 4. Automatic drive positioner control unit
Refer to ADP-7, "Component Parts Location" . | 5. Power window main switch (Door mirror remote control switch) | 6. Driver seat control unit
Refer to ADP-7, "Component Parts Location" . |
| 7. Door mirror (driver side) | | |

DOOR MIRROR : Component Description

INFOID:0000000010262153

Component parts		Description
Automatic drive positioner control unit		Door mirror is supplied with power after receiving the input of mirror switch and changeover switch.
Power window main 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.
	Open/close switch	Power is supplied to folding mirror from door mirror remote control switch when operating switch.
Door mirror		It makes mirror face operate from side to side and up and down via integrated motor.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

Component parts	Description
BCM	The ignition switch signal (ACC/ON) is transmitted to driver seat control unit via CAN communication.
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.

INSIDE MIRROR

INSIDE MIRROR : Component Description

INFOID:0000000010262154

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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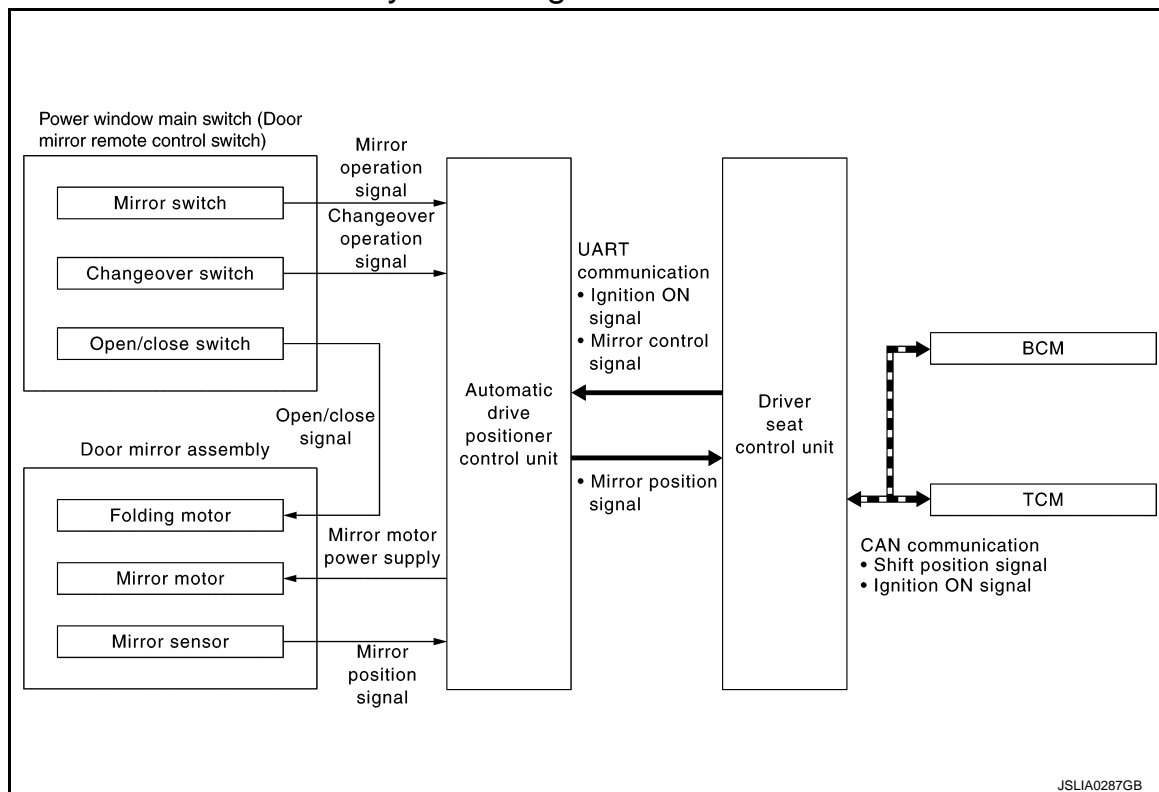
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SYSTEM

DOOR MIRROR SYSTEM

DOOR MIRROR SYSTEM : System Diagram

INFOID:0000000010262155



DOOR MIRROR SYSTEM : System Description

INFOID:0000000010262156

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

Operation Conditions

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

- Ignition switch: ON

SYSTEM

< SYSTEM DESCRIPTION >

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

NOTE:

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

AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM : System Description INFOID:0000000010262157

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.

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DRIVER SEAT CONTROL UNIT, AUTOMATIC DRIVE POSITIONER CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DRIVER SEAT CONTROL UNIT, AUTOMATIC DRIVE POSITIONER CONTROL UNIT

List of ECU Reference

INFOID:0000000010262158

ECU	Reference
DRIVER SEAT CONTROL UNIT	ADP-25, "Reference Value"
	ADP-30, "Fail Safe"
	ADP-31, "DTC Index"
AUTOMATIC DRIVE POSITIONER CONTROL UNIT	ADP-32, "Reference Value"

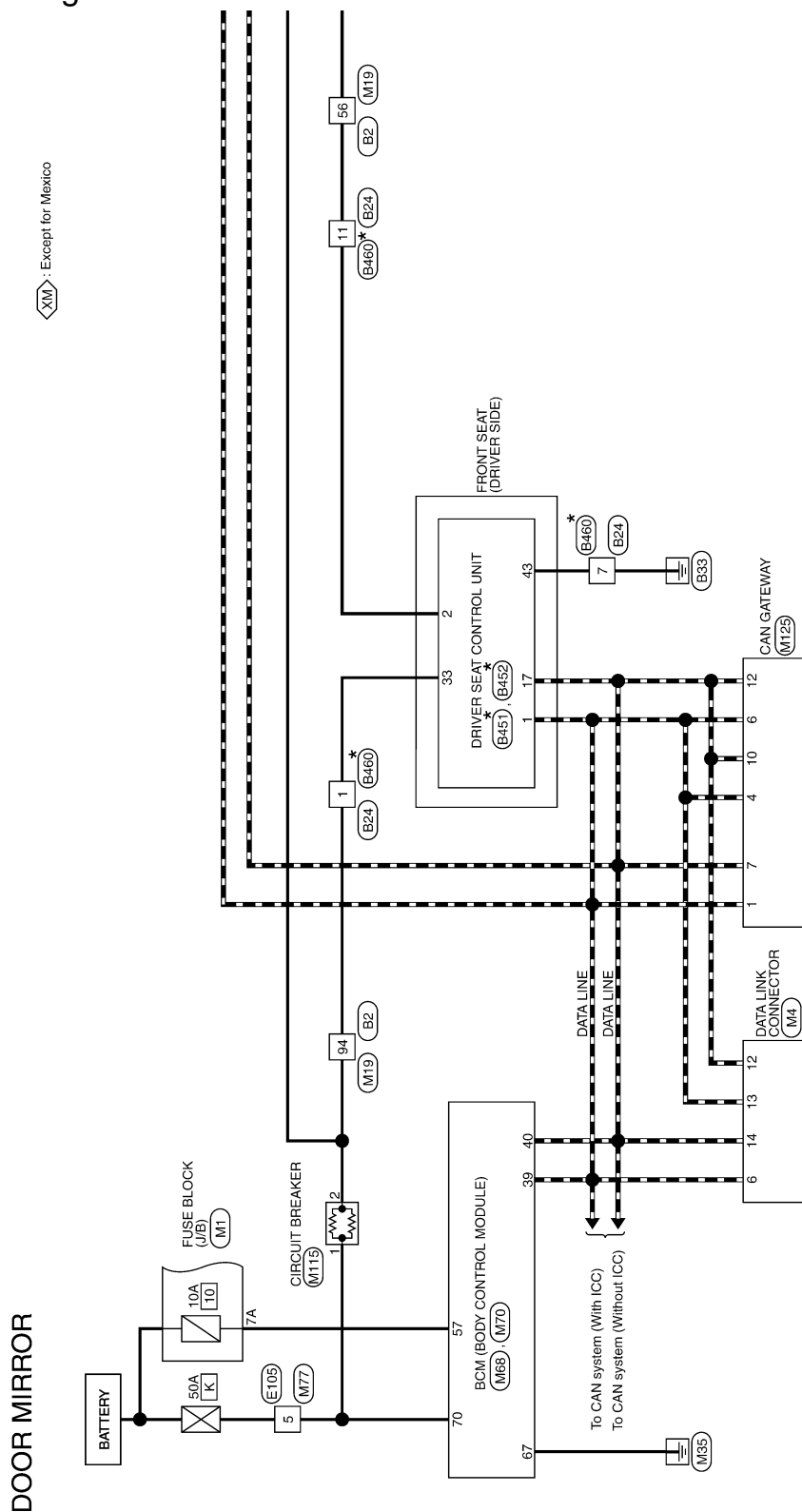
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WIRING DIAGRAM

DOOR MIRROR SYSTEM

Wiring Diagram

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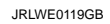
★ : This connector is not shown in "Harness Layout".

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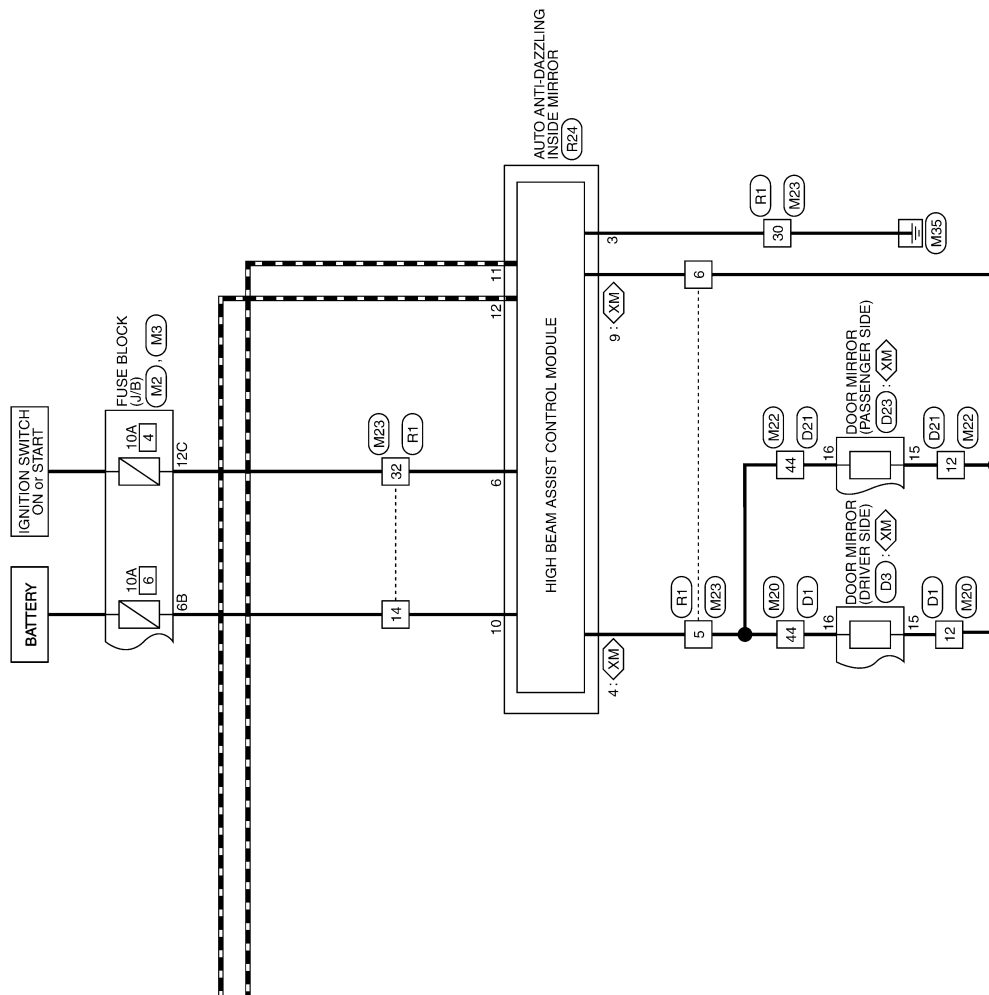
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DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



1	2	3	4	5	6	7		
8	9	10	11	12	13	14	15	16

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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-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	46	47	48	49	50	51	52	53	54	55
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	V	-
4	Y	-
5	LG/R	-
6	BR/W	-

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

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



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Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR/W	-
3	W	SIDE CAMERA LH COMM
5	G	-
6	R	SIDE CAMERA LH POWER SUPPLY
7	L	-
8	O	-
9	W/B	-
10	SB	-
11	BR/Y	-
12	L/W	-
14	P	-
15	B/Y	-
16	GR/L	-
17	SHIELD	-
18	B	SIDE CAMERA LH GND
19	B	-
20	G	-
21	L/Y	-
22	G/W	-
23	W/L	-
24	Y	-

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-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	46	47	48	49	50	51	52	53	54	55
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	W	-
3	V	-
5	P/L	-
6	L/R	-
8	L/W	-
9	G/Y	-
10	L	-

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DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

12	B/Y	-
13	L	-
14	R	-
15	B	-
16	Y/G	-
17	Y/L	-
18	B/W	-
19	R	-
20	P	-
21	Y/R	-
22	LG/B	-
23	L/O	-
24	R/W	-
25	W/R	-
26	SHIELD	-
27	G/O	-
28	Y/B	-
29	V	-
30	W/L	-
31	L/O	-
32	GR/L	-
33	G	-
34	W	-
35	LG	-
36	L/R	-
37	Y	-
38	R/B	-
39	SHIELD	-
40	B	-
41	R	-

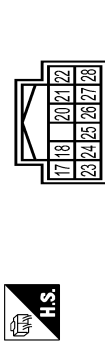
Connector No.	D23
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH2MMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	R/W	-
3	W	-
5	G	-
6	R	-

7	L	-
8	LG	-
9	G/O	-
10	V	-
11	Y/B	-
12	L/O	-
14	P	-
15	B/Y	-
16	GR/L	-
17	SHIELD	-
18	B	-
19	G/Y	-
20	R/B	-
22	L/R	-
23	W/L	-
24	Y	-

Connector No.	D80
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
17	W/B	-
18	G/O	-
20	O	-
21	LG	-
22	V	-
23	BR	-
24	GR/R	-
25	O/L	-
26	Y/G	-
27	R/W	-
28	GR/B	-

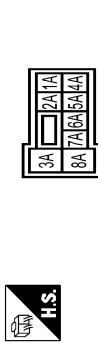
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L/W	-
3	R/B	-
4	L	-
5	Y	-
7	W/G	-
8	P/B	-
9	W/B	-
10	G	-
11	L	-
12	P	-
13	P/B	-
14	BR	-
15	L/B	-
16	SB	-
18	BR	-
19	Y/G	-
20	BR/Y	-
21	Y/V	-
22	L	-
23	Y	-
24	L/W	-
25	O	-
26	R/W	-
29	L/B	-
30	Y	-
31	GR/R	-
32	Y	-
34	R	-
35	B/R	-
37	G/Y	-
38	G	-
40	SB	-
41	W/R	-
42	R	-
43	V	-

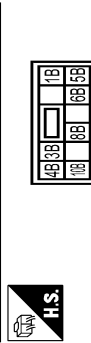
54	GR/L	-
91	BR	-
92	L/W	-
94	Y/B	-
95	G/R	-
97	R	-
98	G/B	-
100	W/R	-

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



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

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



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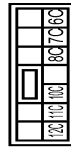
DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

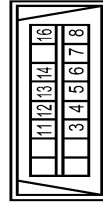
Terminal No.	Color Of Wire	Signal Name [Specification]
10B	W/B	-
1B	R	-
3B	R	-
4B	B	-
5B	BR	-
6B	Y	-
8B	L/O	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	GR	-
11C	R/L	-
12C	GR/L	-
6C	R	-
7C	B	-
8C	W	-

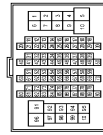
Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-

6	L	-
7	SB	-
8	GR	-
11	SB	-
12	R	-
13	L	-
14	P	-
16	Y	-

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS (B-TM4)

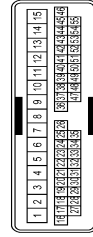


Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	-
3	BR	-
5	R/W	-
6	L	-
7	V	-
9	G	-
11	W/B	-
12	BR	-
13	G/R	-
14	B/Y	-
15	W/R	-
16	GR/R	-
18	G/W	-
19	V	-
20	W/G	-
21	B/W	-
22	V	-
24	G	-
25	O	-
26	Y	-
27	L	-
28	Y	-
29	L	-
30	R	-
31	G/Y	-
32	B/SB	-

33	LG/R	-
34	BR/W	-
35	GR/R	-
36	SB	-
37	LG	-
38	L	-
39	P	-
40	W/G	-
41	O	-
43	V/W	-
44	LG/B	-
46	B	-
47	BR/W	-
49	GR	-
50	R/B	-
51	W/R	-
52	BR/Y	-
53	O/B	-
54	G/O	-
55	R/B	-
56	LG/R	-
57	GR/R	-
58	Y/G	-
59	V/W	-
60	R	-
63	B	-
64	R	-
65	W	-
66	G	-
67	SHIELD	-
69	LG/B	-
70	P/L	-
71	L	-
72	R	-
77	Y/B	-
78	Y/L	-
79	Y	-
80	W/R	-
81	Y/L	-
84	L/O	-
86	O	-
87	W/R	-
88	O	-
89	W/L	-
90	GR/L	-
91	W	-
92	G	-
94	W/R	-
96	L/W	-
97	R	-

98	V	-
99	L/W	-
100	P/B	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS15



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

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DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

34	R	-
35	W	-
36	G/O	-
37	BR/Y	-
38	SB	-
39	W/L	-
40	L/W	-
41	P/L	-
42	Y/G	-
43	LG	-
44	CR	-
45	SHIELD	-
46	W	-
47	LG	-
48	G/W	-
49	Y	-
50	L/Y	-
51	GR/R	-
52	LG/B	-
53	G	-
54	B	-
55	R	-

Connector No.	M22
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]
1	G	-
2	W	-
3	V	-
5	P/L	-
6	L/R	-
8	L/W	-
9	G/Y	-
10	L	-
12	B/Y	-
13	L	-
14	R	-
15	B	-

16	Y/G	-
17	Y/L	-
18	B/W	-
19	R	-
20	P	-
22	Y/R	-
23	LG/B	-
24	L/W	-
25	W/R	-
26	W/R	-
27	SHIELD	-
28	G/O	-
37	Y/B	-
38	V	-
39	W/L	-
40	L/O	-
44	GR	-
45	G	-
46	W	-
47	LG	-
48	L/R	-
49	Y	-
50	R/B	-
53	SHIELD	-
54	B	-
55	R	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH432MW-NH

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]
1	W	-
2	V	-
3	B	-
4	Y	-
5	GR	-
6	B/Y	-
7	B	-
8	Y/L	-

9	G	-
10	B	-
11	R	-
14	Y	-
15	W/R	-
16	L/O	-
17	Y	-
18	L/O	-
20	W	-
21	O	-
22	SB	-
23	SHIELD	-
24	Y/G	-
25	L	-
26	W/G	-
27	Y	-
28	L	-
29	B/SB	-
30	BR	-
31	GR/L	-
32	-	-

Connector No.	M68
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

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]
2	BR/Y	COMBI SW INOUT 5
3	GR	COMBI SW INOUT 4
4	L	COMBI SW INOUT 3
5	G	COMBI SW INOUT 2
6	V	COMBI SW INOUT 1
8	V	POWER WINDOW SW COMM
9	R	STOP LAMP SW 1
11	R	RAIN SENSOR SERIAL LINK
14	P/B	OPTICAL SENSOR
16	L/O	DIMMER SIGNAL
17	Y/G	SENSOR PWR SPLY
18	B/Y	RECEIVER SENSOR GND
19	G/Y	TURN SIG RH OUTPUT (FRONT)

20	G	TURN SIG LH OUTPUT (FRONT)
21	P	NATS ANT AMP
22	W/B	KYLS ENT RECEIVER RSSI
23	GR/R	SECURITY IND CONT
24	SB	DONGLE LINK
25	LG/R	NATS ANT AMP
26	O	INTELLIGENT KEY IDENTIFICATION
28	W	HAZARD SW
30	W/L	BK DOOR CRMP SW
31	W/G	DR DOOR UNLCK SENSOR
32	LG	COMBI SW OUTPUT 9
33	W	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/W	COMBI SW OUTPUT 2
36	SB	COMBI SW OUTPUT 1
37	G/Y	SHIFT P
39	L	CAN-H
40	P	CAN-L

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FH46-SA

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]
56	W/R	INT ROOM LAMP PWR SPLY
57	LG	BAT (FUSE)
58	R/W	SHOCK DETECT SENS
59	G	PASSENGER DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	G/Y	TURN SIG RH OUTPUT (SIDE, REAR)
62	R	STEP LAMP CONT
63	BR	ROOM LAMP TIMER CONT
64	GR/R	CRANKING REQUEST
65	R	ALL DOOR LOCK OUTPUT
66	V	DR DOOR FUEL LID UNLK OUTPUT
67	B	GND
68	Y	PW PWR SPLY (IGN)
69	W	PW PWR SPLY (BAT)
70	Y	BAT (F/L)

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DOOR MIRROR SYSTEM

< WIRING DIAGRAM >

DOOR MIRROR

Connector No.	M75
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	10	11	12	
13	14	15	16	17	18	19	20	21	22	23	24

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CSI6-TM4



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	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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54	GR/L	-
91	BR	-
92	L/W	-
94	Y/B	-
95	L/R	-
97	R	-
98	O/L	-
100	W/B	-

Connector No.	M104
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS06FW-CS



25	26
27	28
29	30

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

Connector No.	M115
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-P-LG



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

Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
3	Y	BATTERY
4	L	CAN-H
5	B	GND
6	L	CAN-H
7	P	CAN-H
9	GR	IGNITION
10	R	CAN-L
11	B	GND
12	R	CAN-L

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



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	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	B	-
4	Y	-
5	B/R	-
6	B/Y	-
7	B	-
8	Y/L	-
9	G	-
10	B	-

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DOOR MIRROR SYSTEM

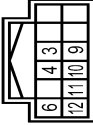
< WIRING DIAGRAM >

DOOR MIRROR

11	R	-
14	B/Y	-
15	W/R	-
16	L/O	-
17	Y	-
18	L/O	-
20	W	-
21	O	-
22	SB	-
23	B	-
24	SHIELD	-
25	Y/G	-
26	B/SB	-
27	W/G	-
28	Y	-
29	L	-
30	B/SB	-
31	BR	-
32	B/R	-

Connector No.	R24
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH12FW-NH-B





Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	GROUND
4	B/R	AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL
6	B/R	IGNITION POWER SUPPLY Y
9	B/Y	AUTO ANTI-DAZZLING OUTSIDE MIRROR GROUND
10	B/Y	BATTERY POWER SUPPLY
11	B	CAN-L
12	B/SB	CAN-H

AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

< WIRING DIAGRAM >

INSIDE MIRROR

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

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

38	SB	-
39	W/L	-
40	L/W	-
41	Y/G	-
42	P/L	-
43	LG	-
44	GR/L	-
45	SHIELD	-
46	W	-
47	LG	-
48	G/W	-
49	V	-
50	L/Y	-
51	GR/R	-
52	LG/B	-
53	G	-
54	B	-
55	R	-

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



12	11	10	9	8	7	6	5	3	2	
24	23	22	21	20	19	18	17	16	15	14

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

19	B	-
20	G	-
21	L/Y	-
22	G/W	-
23	W/L	-
24	Y	-

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	W	-
3	V	-
5	P/L	-
6	L/R	-
8	L/W	-
9	G/Y	-
10	L	-
12	B/Y	-
13	L	-
14	R	-
15	B	-
16	Y/G	-
17	Y/L	-
18	B/W	-
19	R	-
20	P	-
22	Y/B	-
23	LG/B	-
24	L/O	-
25	R/W	-
26	W/R	-
27	SHIELD	-
36	G/O	-
37	Y/B	-
38	V	-
39	W/L	-

40	L/O	-
44	GR/L	-
45	G	-
46	W	-
47	LG	-
48	L/R	-
49	Y	-
50	P/B	-
53	SHIELD	-
54	B	-
55	R	-

Connector No.	D23
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH



12	11	10	9	8	7	6	5	3	2	
24	23	22	21	20	19	18	17	16	15	14

Terminal No.	Color Of Wire	Signal Name [Specification]
2	R/W	-
3	W	-
5	G	-
6	R	-
7	L	-
8	LG	-
9	G/O	-
10	V	-
11	Y/B	-
12	L/O	-
14	P	-
15	B/Y	-
16	GR/L	-
17	SHIELD	-
18	B	-
19	G/Y	-
20	R/B	-
21	L/R	-
22	W/L	-
23	Y	-

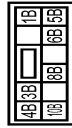
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AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

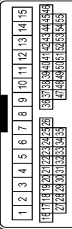
< WIRING DIAGRAM >

INSIDE MIRROR

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS

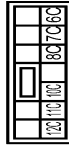


Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
10B	W/B	-
11B	R	-
3B	R	-
4B	B	-
5B	BR	-
6B	Y	-
8B	L/O	-

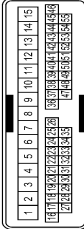
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	GR	-
11C	R/L	-
12C	GR/L	-
6C	R	-
7C	B	-
8C	W	-

39	W/L	-
40	L/W	-
41	Y/G	-
42	P/L	-
43	LG	-
44	GR	-
45	SHIELD	-
46	W	-
47	LG	-
48	O/W	-
49	L/Y	-
51	GR/R	-
52	LG/B	-
53	G	-
54	B	-
55	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	W	-
3	V	-
5	P/L	-
8	L/R	-
9	G/Y	-
10	L	-
12	B/Y	-
13	L	-
14	R	-
15	B	-
16	Y/G	-
17	Y/L	-
18	B/W	-
19	R	-
20	P	-

22	Y/R	-
23	LG/B	-
24	L/W	-
25	W/R	-
26	W/R	-
27	SHIELD	-
36	O/O	-
37	Y/B	-
38	V	-
39	W/L	-
40	L/O	-
44	GR	-
45	G	-
46	W	-
47	LG	-
48	L/R	-
49	Y	-
50	R/B	-
53	SHIELD	-
54	B	-
55	R	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



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

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AUTO ANTI-DAZZLING INSIDE MIRROR SYSTEM

< WIRING DIAGRAM >

INSIDE MIRROR

16	L/O	-
17	Y	-
18	L/O	-
20	W	-
21	O	-
22	SB	-
23	P	-
24	SHIELD	-
25	Y/G	-
26	L	-
27	W/G	-
28	Y	-
29	L	-
30	B/ SB	-
31	BR	-
32	GR/L	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	B	-
4	Y	-
5	B/R	-
6	B/Y	-
7	B	-
8	Y/L	-
9	G	-
10	B	-
11	R	-
14	B/Y	-
15	W/R	-
16	L/O	-
17	Y	-
18	L/O	-
20	W	-
21	O	-

22	SB	-
23	B	-
24	SHIELD	-
25	Y/G	-
26	B/ SB	-
27	W/G	-
28	Y	-
29	L	-
30	B/ SB	-
31	BR	-
32	B/R	-

Connector No.	R24
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH12FW-NH-B



	4	3
6		
12	11	10

Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	GROUND
4	B/R	AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL
6	B/R	IGNITION POWER SUPPLY
9	B/Y	AUTO ANTI-DAZZLING OUTSIDE MIRROR GROUND
10	B/Y	BATTERY POWER SUPPLY
11	B	CAN-L
12	B/ SB	CAN-H

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000010262161

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-III.

Is any DTC detected?

YES >> Refer to [ADP-31, "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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DOOR MIRROR REMOTE CONTROL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

DOOR MIRROR REMOTE CONTROL SWITCH

OPEN/CLOSE SWITCH

OPEN/CLOSE SWITCH : Component Inspection

INFOID:0000000010262162

1. CHECK OPEN/CLOSE SWITCH

1. Turn ignition switch OFF.
2. Disconnect power window main switch (door mirror remote control switch) connector.
3. Check continuity between power window main switch (door mirror remote control switch) terminals.

[Driver side]

Power window main switch (door mirror remote control switch)		Condition		Continuity
Terminal				
22	17	Open/close switch	OPEN	Existed
7	20			
22	20		CLOSE	
7	17			

[Passenger side]

Power window main switch (door mirror remote control switch)		Condition		Continuity
Terminal				
22	18	Open/close switch	OPEN	Existed
7	21			
22	21		CLOSE	
7	18			

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace power window main switch (door mirror remote control switch). Refer to [PWC-73](#),
["Removal and Installation"](#).

REVERSE INTERLOCK DOOR MIRROR DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

REVERSE INTERLOCK DOOR MIRROR DOES NOT OPERATE

Diagnosis Procedure

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1.CHECK DOOR MIRROR (MANUAL FUNCTION)

Check door mirror function with power window main switch (door mirror remote control switch).
Refer to [ADP-126, "DOOR MIRROR : Diagnosis Procedure"](#).

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-81, "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-43, "Intermittent Incident"](#).

NO >> GO TO 1.

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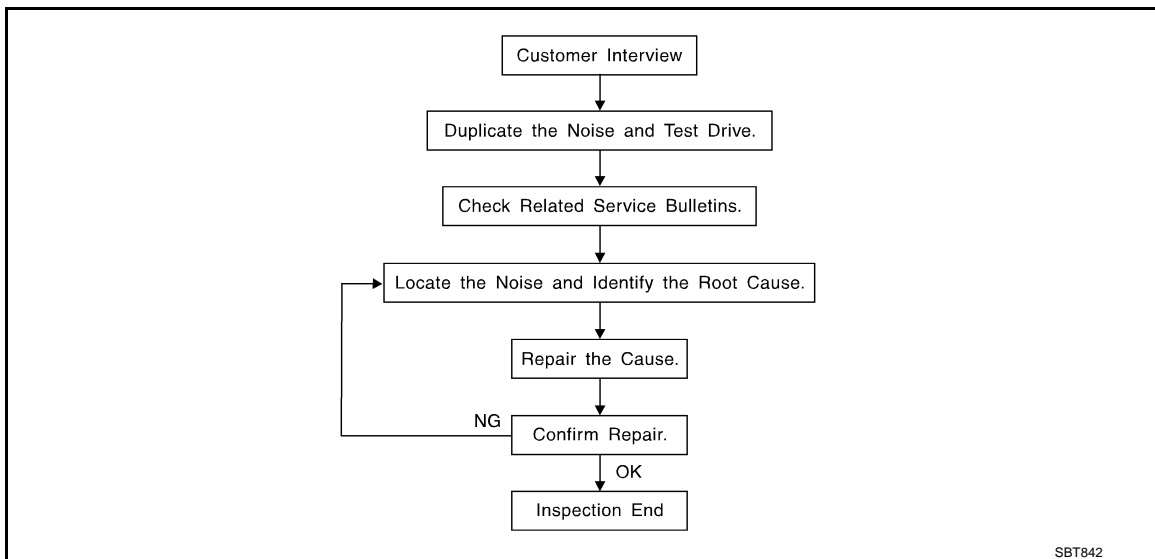
SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

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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-32, "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

< 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-30, "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). Each item can 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 × 1.97 in)

FELT CLOTH TAPE

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

< 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:000000010262165

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

< 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 >

Diagnostic Worksheet

INFOID:000000010262166



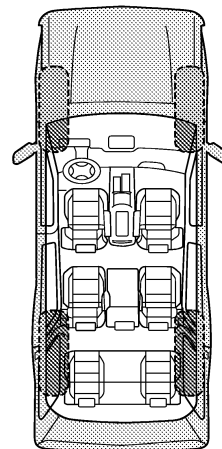
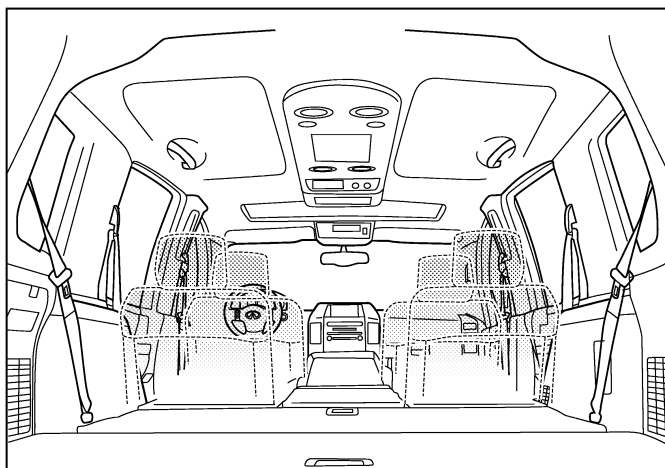
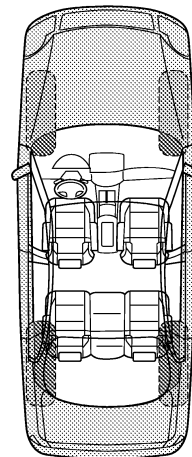
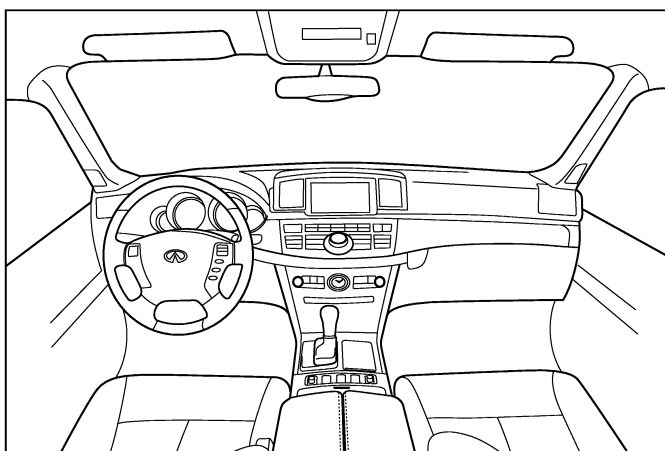
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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 >

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:

	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

INSIDE MIRROR

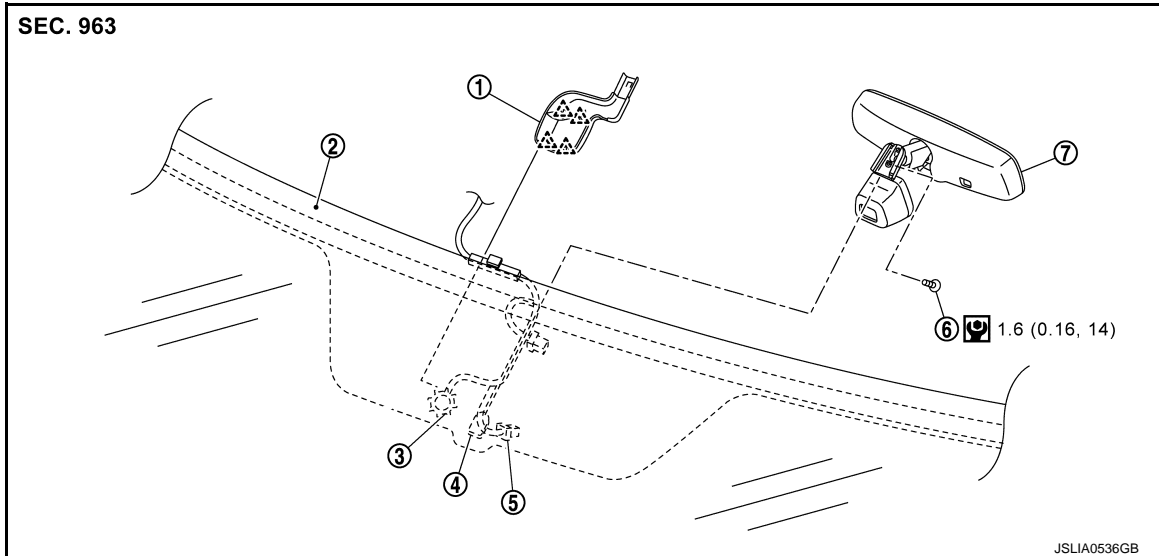
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION


INSIDE MIRROR


Exploded View

INFOID:0000000010262167



- | | | |
|----------------------|----------------------|----------------|
| 1. Rain sensor cover | 2. Windshield glass | 3. Rain sensor |
| 4. Mirror base | 5. Harness connector | 6. TORX bolt |
| 7. Inside mirror | | |

 : Pawl

 : N·m (kg·m, in-lb)

Removal and Installation

INFOID:0000000010262168

Removal

1. Disengage rain sensor cover fixing pawls with a remover tool to remove.
2. Disconnect harness connector from inside mirror.
3. Loosen TORX bolt and slide inside mirror upward to remove.

Installation

Install in the reverse order of removal.

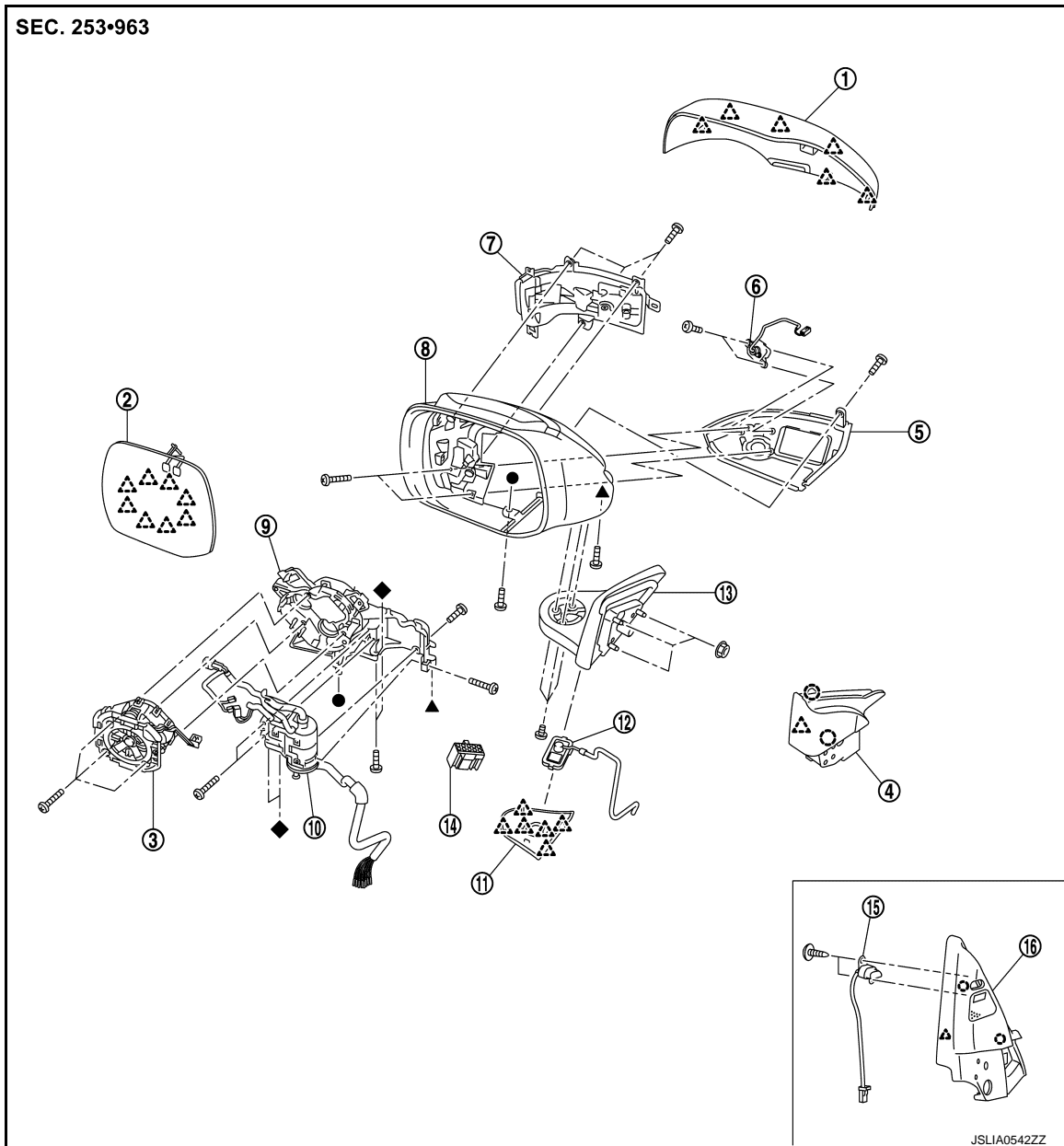
OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

OUTSIDE MIRROR

Exploded View

INFOID:0000000010262169



- | | | |
|---|-------------------------|----------------------------|
| 1. Door mirror cover | 2. Glass mirror | 3. Actuator assembly |
| 4. Door mirror corner cover (without BSW indicator) | 5. Side camera finisher | 6. Around view camera |
| 7. Side turn signal lamp | 8. Housing | 9. Bracket |
| 10. Power fold unit | 11. Base cover | 12. Puddle lamp |
| 13. Base | 14. Connector | 15. BSW indicator assembly |
| 16. Door mirror corner cover (with tweeter and BSW indicator) | | |

○ : Clip

△ : Pawl

●, ▲, ◆ : Indicates that the part is connected at points with same symbol in actual vehicle.

MIR

OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

DOOR MIRROR ASSEMBLY

DOOR MIRROR ASSEMBLY : Removal and Installation

INFOID:000000010262170

REMOVAL

1. Remove front door finisher. Refer to [INT-14, "Removal and Installation"](#) (With BSW) or [INT-14, "Removal and Installation"](#) (Without BSW).
2. Disconnect BSW indicator harness connector. (with BSW indicator models)
3. Disconnect door mirror assembly harness connector.
4. Disengage door mirror corner cover fixing clips and pawls, and then remove door mirror corner cover.
5. Remove door mirror mounting nuts, and then remove door mirror assembly.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

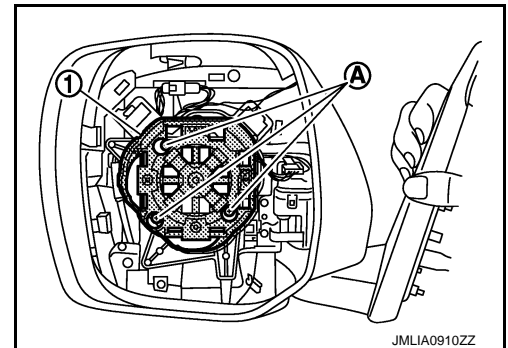
Perform camera image calibration (with side camera models). Refer to [AV-142, "CALIBRATING CAMERA IMAGE \(AROUND VIEW MONITOR\) : Special Repair Requirement"](#).

DOOR MIRROR ASSEMBLY : Disassembly and Assembly

INFOID:000000010262171

DISASSEMBLY

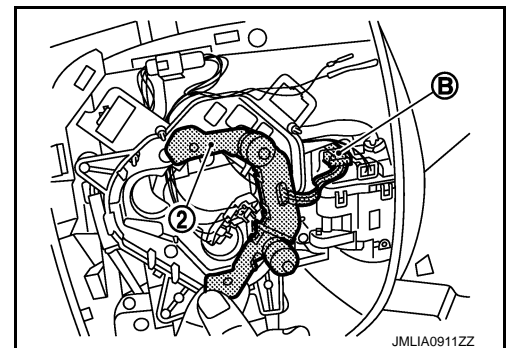
1. Remove door mirror assembly from front door panel. Refer to [MIR-36, "DOOR MIRROR ASSEMBLY : Removal and Installation"](#).
2. Remove glass mirror. Refer to [MIR-38, "GLASS MIRROR : Removal and Installation"](#).
3. Remove door mirror corner cover. Refer to [MIR-40, "DOOR MIRROR COVER : Removal and Installation"](#) (With BSW) or [MIR-40, "DOOR MIRROR COVER : Removal and Installation"](#) (Without BSW).
4. Remove actuator.
 1. Remove actuator (1) fixing screws (A).



2. Disconnect the harness connectors behind the actuator.

NOTE:

Disconnect the harness connector (B) of automatic driving position system (2) (if equipped).

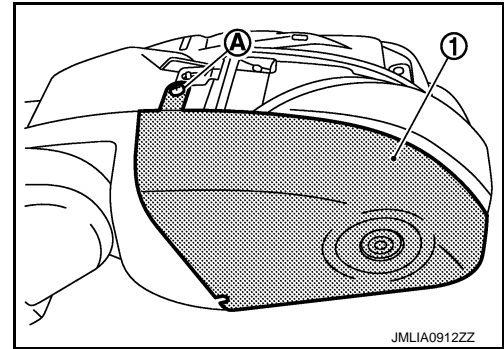


5. Remove side camera finisher assembly (1).


OUTSIDE MIRROR

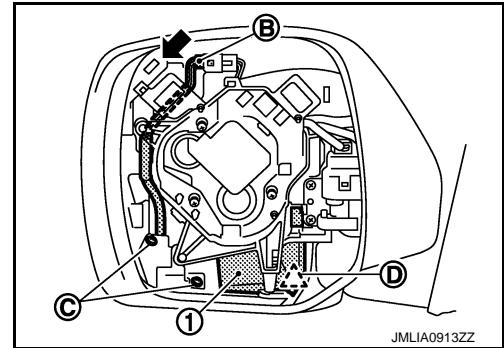
< REMOVAL AND INSTALLATION >

1. Remove side camera finisher fixing screw (A).



2. Disconnect harness connector (B), and remove fixing screws (C) and pawl (D) fixing the side camera finisher (1) to housing.

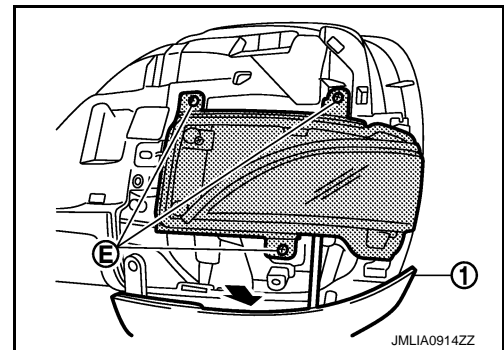
 : Pawl



3. Remove side turn signal lamp fixing screws (E), and then remove side turn signal lamp.

NOTE:

Pull slightly side camera finisher (1) covering side turn signal lamp bottom fixing screw.



4. Remove side camera finisher assembly.
5. Remove around view camera. Refer to [AV-304, "Removal and Installation"](#).

6. Remove all the harness connector terminal from the connector.

NOTE:


Write a short note to describe connector terminal layout before starting operation.

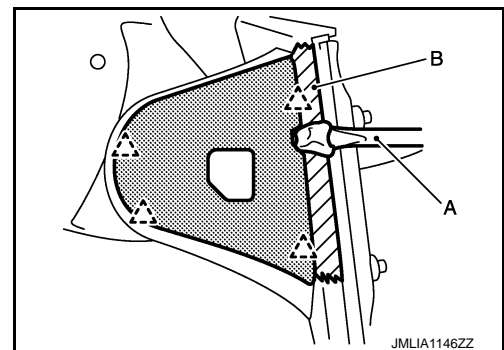
7. Remove base.

1. Remove base cover.
Remove base cover fixing pawls with a flat-bladed screwdriver (A) wrapped into a tape.

CAUTION:

Apply protective tape (B) around the base to protect the surface from damage.

 : Pawl



2. Remove puddle lamp. Refer to [INL-81, "Removal and Installation"](#).
3. Remove base mounting bolts located under base cover.
4. Remove base.

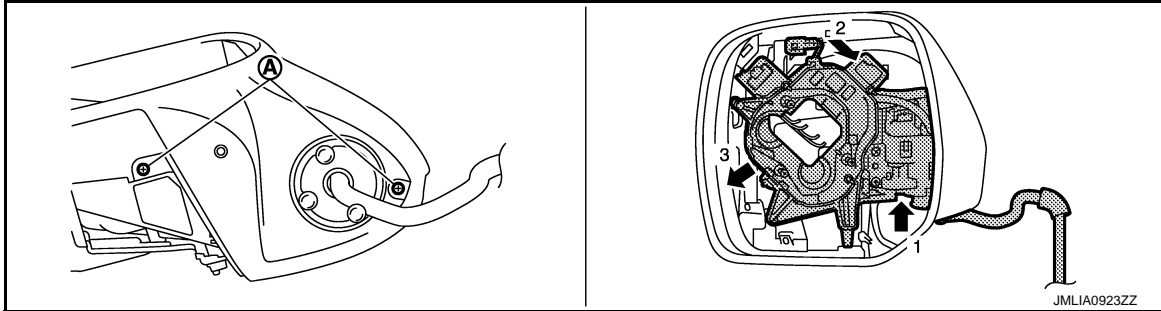
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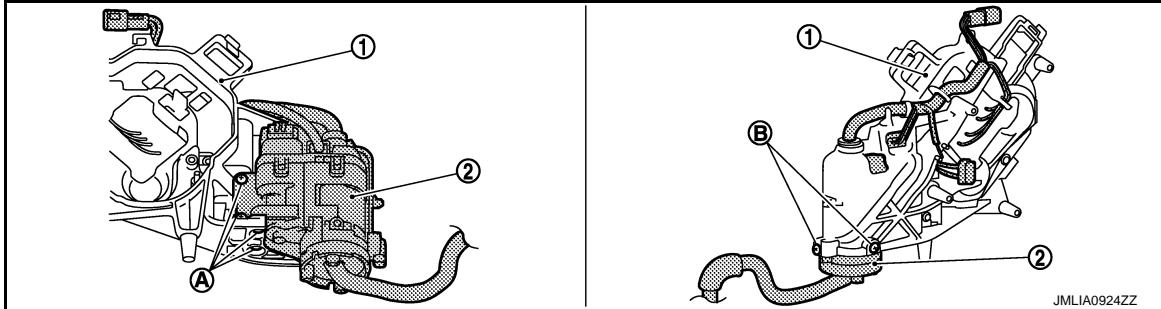
OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

8. Remove the fixing screws (A), and then remove power fold unit and bracket from housing.



9. Remove fixing screws (A), (B) and then remove power fold unit (2) from bracket (1).



ASSEMBLY

Assemble in the reverse order of disassembly.

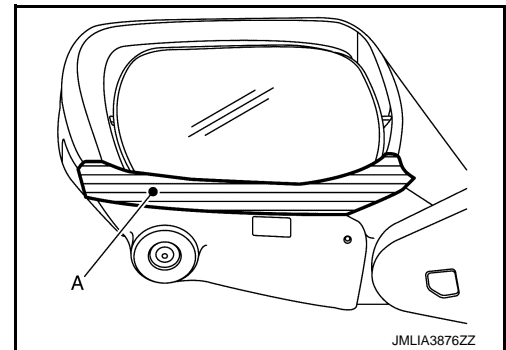
GLASS MIRROR

GLASS MIRROR : Removal and Installation

INFOID:0000000010262172

REMOVAL

1. Place glass mirror upward.
2. Apply a strip of protective tape (A) on door mirror housing assembly to protect it from damage.

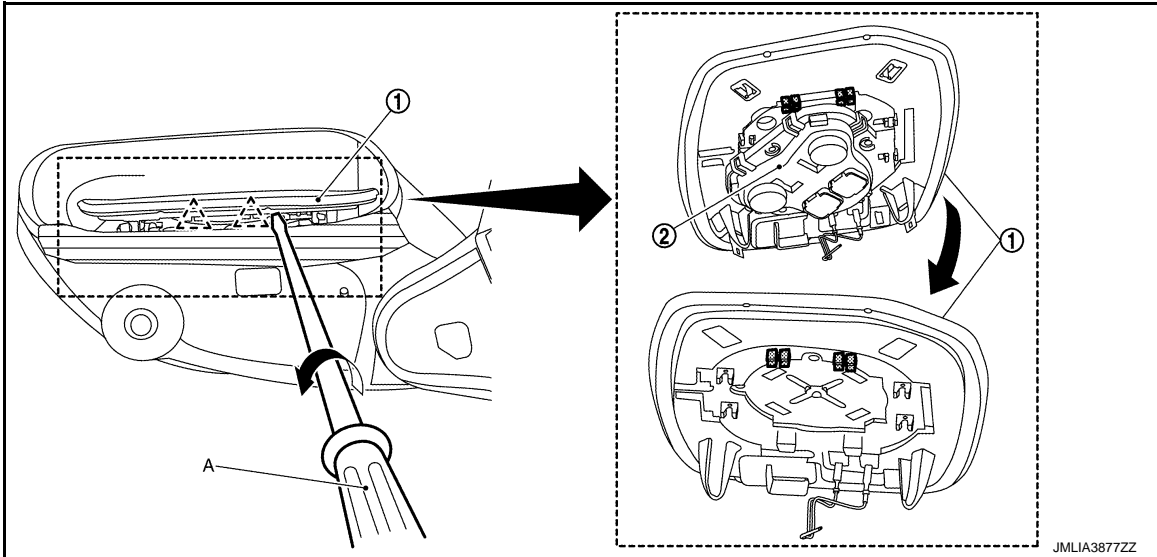


3. Remove glass mirror ①.
 - a. Insert a small flat-bladed screwdriver (A) into the recess at lower side between glass mirror ① and actuator ②.

OUTSIDE MIRROR

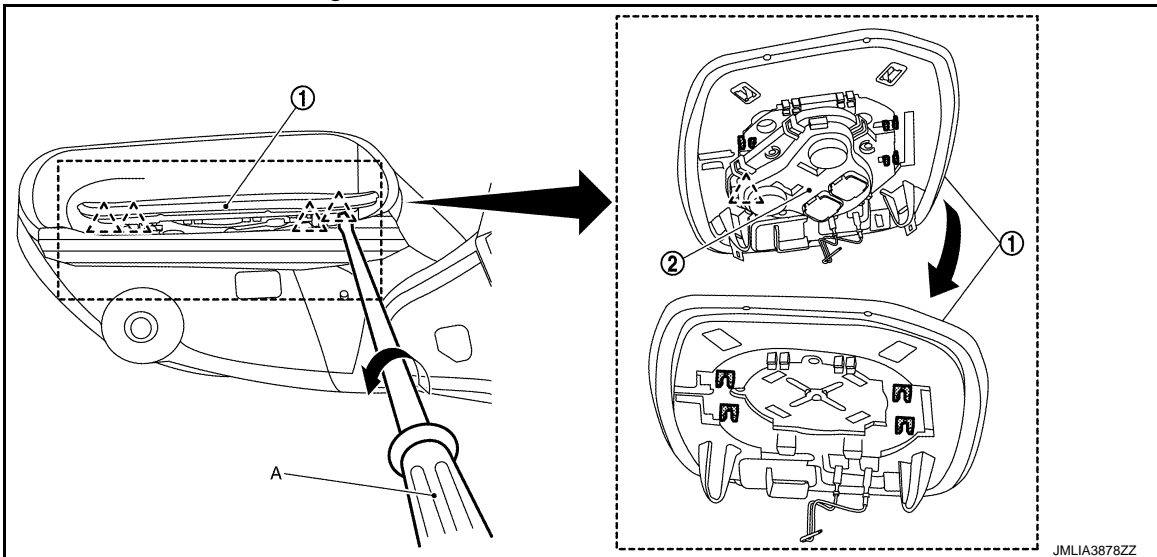
< REMOVAL AND INSTALLATION >

- b. Disengage the glass mirror fixing lower pawls by pushing up while rotating (twisting) the small flat-bladed screwdriver as shown in the figure below.



△ : Pawl

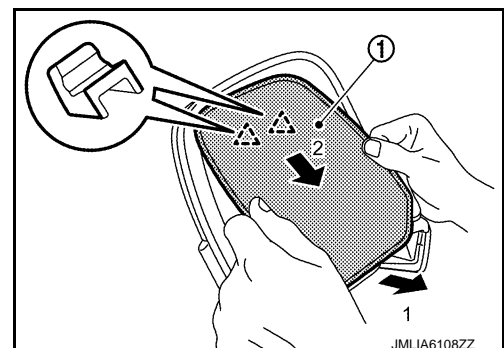
- c. Disengage the glass mirror fixing side pawls by pushing up while rotating (twisting) the small flat-bladed screwdriver as shown in the figure below.



△ : Pawl

- d. Lift up and pull slightly the glass mirror ① according to the numerical order 1→ 2 as shown in the figure, to disengage the upper fixing pawls.

△ : Pawl



- e. Disconnect glass mirror heater harness connectors (if equipped) and remove glass mirror from door mirror housing.

OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

INSTALLATION

Note the following item, and install in the reverse order of removal.

CAUTION:

After installation, visually check that fixing pawls are securely engaged.

DOOR MIRROR COVER

DOOR MIRROR COVER : Removal and Installation


INFOID:0000000010262173

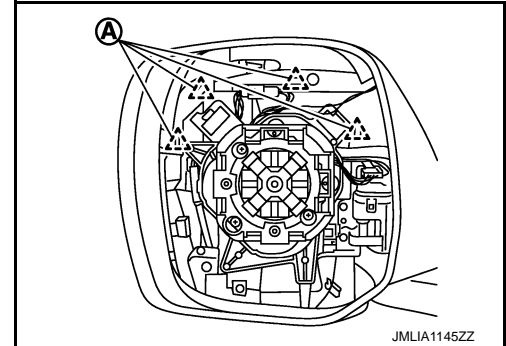
CAUTION:

Never damage the mirror bodies.

REMOVAL

1. Remove the glass mirror. Refer to [MIR-38, "GLASS MIRROR : Removal and Installation"](#).
2. Remove the fixing pawls (A), and disassemble door mirror cover from door mirror assembly.

 : Pawl



INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

After installation, visually check that all the fixing pawls are securely engaged.

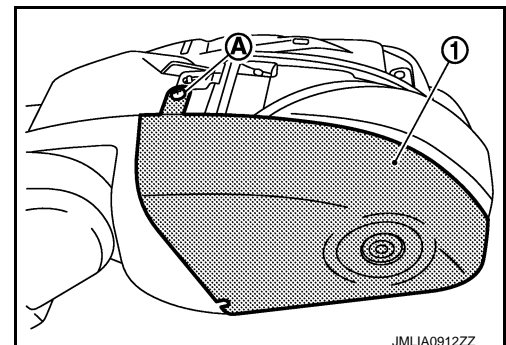
SIDE CAMERA FINISHER ASSEMBLY

SIDE CAMERA FINISHER ASSEMBLY : Removal and Installation

INFOID:0000000010262174

Disassembly


1. Remove door mirror assembly from front door panel. Refer to [MIR-36, "DOOR MIRROR ASSEMBLY : Removal and Installation"](#).
2. Remove glass mirror. Refer to [MIR-38, "GLASS MIRROR : Removal and Installation"](#).
3. Remove door mirror cover. Refer to [MIR-40, "DOOR MIRROR COVER : Removal and Installation"](#).
4. Remove side camera finisher (1) fixing screw (A).

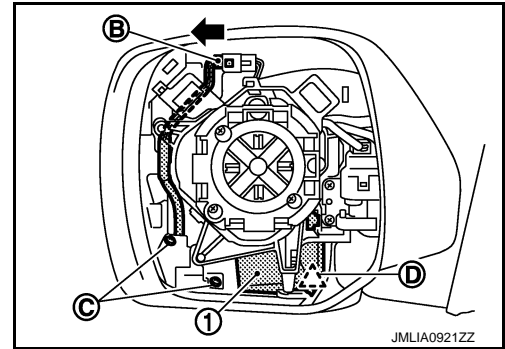


OUTSIDE MIRROR

< REMOVAL AND INSTALLATION >

5. Disconnect harness connector (B), and remove fixing screws (C) and pawl (D) fixing the side camera finisher (1) to housing.

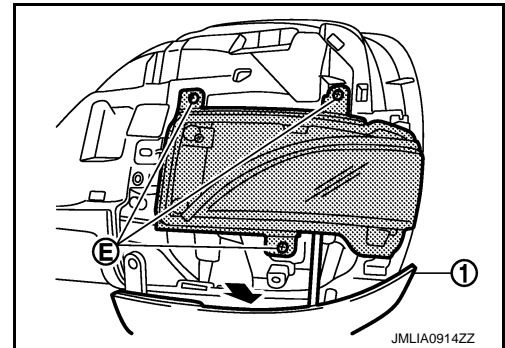
 : Pawl



6. Remove side turn signal lamp fixing screws (E) and remove side turn signal lamp.

NOTE:

Pull slightly side camera finisher (1) covering side turn signal lamp bottom fixing screw.



7. Remove side camera finisher assembly.
8. Remove around view camera. Refer to [AV-304, "Removal and Installation"](#).

Assembly

Assemble in the reverse order of disassembly.

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MIR