

SECTION

PWO

POWER OUTLET

CONTENTS

DTC/CIRCUIT DIAGNOSIS	2	FRONT POWER SOCKET : Removal and Installation	11
POWER SOCKET	2	CONSOLE POWER SOCKET	11
Wiring Diagram - POWER SOCKET -	2	CONSOLE POWER SOCKET : Exploded View	12
PRECAUTION	10	CONSOLE POWER SOCKET : Removal and Installation	12
PRECAUTIONS	10	REAR POWER SOCKET	12
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	10	REAR POWER SOCKET : Exploded View	12
REMOVAL AND INSTALLATION	11	REAR POWER SOCKET : Removal and Installation	12
POWER SOCKET	11	LUGGAGE ROOM POWER SOCKET	13
FRONT POWER SOCKET	11	LUGGAGE ROOM POWER SOCKET : Exploded View	13
FRONT POWER SOCKET : Exploded View	11	LUGGAGE ROOM POWER SOCKET : Removal and Installation	13

PWO

POWER SOCKET

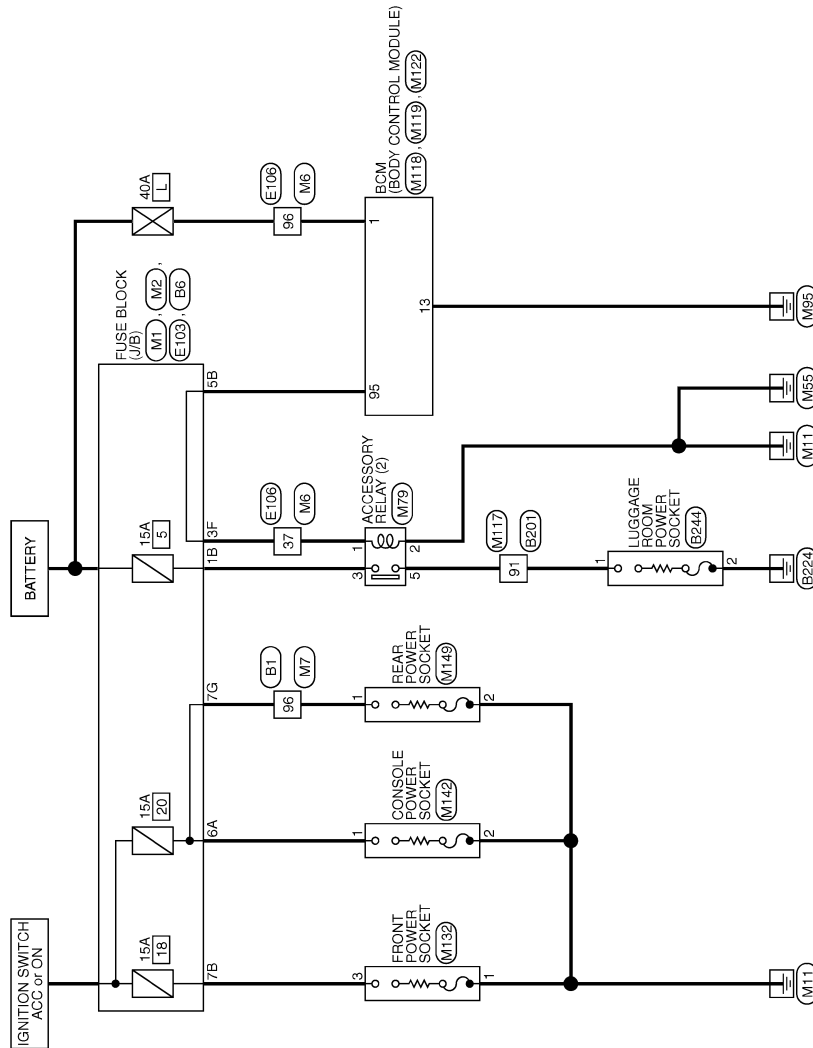
< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SOCKET

Wiring Diagram - POWER SOCKET -

INFOID:000000005550368



POWER SOCKET

2009/07/29

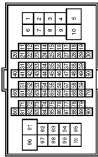
JCMWA4945GB

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	W	-
5	G	-
6	G	-
7	P	-
8	O	-
9	W	-
10	SB	-
11	SB	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	Y	-
21	W	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	O	-
28	W	-
29	SHIELD	-
38	B	-
39	B	-
40	LG	-
41	G	-
42	GR	-
43	SB	-
44	V	-
45	GR	-
50	B	-
51	V	-
52	SB	-

53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	P	-
62	GR	-
63	G	-
64	O	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	GR	-
71	G	-
72	B	-
73	W	-
74	V	-
75	O	-
76	LG	-
77	L	-
78	GR	-
79	W	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	R	-
86	Y	-
87	B	-
88	G	-
89	BR	-
90	W	-
91	R	-
92	O	-
93	BR	-
94	V	-
95	Y	-
96	O	-
97	W	-
98	GR	-
99	W	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4G	R	-
5G	LG	-
7G	O	-
10G	W	-
11G	W	-
12G	GR	-

JCMWA4946GB

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	BR	-
4	SB	-
6	O	-
7	GR	-
8	W	-
10	G	-
11	BR	-
12	Y	-
13	SHIELD	-
14	G	-
15	R	-
16	SHIELD	-
17	LG	-
18	GR	-
19	V	-
20	SB	-
21	LG	-
22	B	- [With entertainment system]
22	GR	- [Without entertainment system]
23	W	- [With entertainment system]
23	LG	- [Without entertainment system]
24	R	- [With entertainment system]
24	W	- [Without entertainment system]
25	SHIELD	- [With entertainment system]
25	V	- [Without entertainment system]
26	SB	-
27	V	-
28	SHIELD	-
29	O	-
30	P	-
31	W	-
32	GR	-
33	SB	-
40	LG	- [With ICC]
40	V	- [Without ICC]
41	SB	- [With ICC]

41	Y	- [Without ICC]
42	V	- [With ICC]
42	W	- [Without ICC]
43	BR	- [With ICC]
43	R	- [Without ICC]
44	R	-
45	G	-
46	O	- [With ICC]
46	SHIELD	- [Without ICC]
47	L	- [With ICC]
47	B	- [Without ICC]
48	P	- [With ICC]
48	R	- [Without ICC]
49	G	- [With ICC]
49	W	- [Without ICC]
50	SHIELD	-
51	W	-
52	R	-
53	G	-
54	L	-
55	SB	-
60	GR	-
61	LG	-
62	SB	-
63	P	-
64	BR	-
65	O	-
66	Y	-
67	W	-
68	SHIELD	-
69	G	-
71	SB	-
72	V	-
73	LG	-
74	W	-
75	BR	-
76	V	-
77	LG	-
80	O	-
81	G	-
82	P	-
83	Y	-
84	R	-
85	SB	-
86	GR	-
87	L	-
91	V	-
92	W	-
93	R	-
94	LG	-
95	GR	-
96	W	-

97	G	-
98	O	-
99	L	-
100	Y	-

Connector No.	B244
Connector Name	LUGGAGE ROOM POWER SOCKET
Connector Type	P02FB-2



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	W	-
3F	Y	-
4F	G	-
6F	O	-
8F	L	-
9F	R	-
10F	L	-

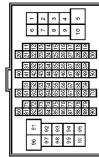
JCMWA4947GB

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	O	-
3	SB	-
4	LG	-
5	Y	-
6	W	-
7	G	-
8	V	-
9	R	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	SB	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
21	Y	- [Without ICC]
22	BR	-
23	R	- [With ICC]
24	V	- [Without ICC]
25	G	-
26	L	- [With ICC]
27	P	- [Without ICC]
28	SHIELD	-
29	G	-
30	LG	-
31	O	-
32	SB	-
33	W	-
34	Y	-
35	O	-
36	SB	-

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

95	Y	-
96	W	-
100	Y	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



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

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



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

JCMWA4948GB

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

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

94	L	-
95	G	-
96	W	-
100	Y	-

35	L	-
36	P	-
37	G	-
38	R	-
39	G	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	O	-
50	LG	-
51	SB	-
52	Y	-
53	O	-
54	BR	-
55	SB	-
56	P	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	O	-
66	L	-
68	V	-
70	SHIELD	-
71	O	-
72	GR	-
73	W	-
74	SB	-
76	V	-
77	V	-
78	Y	-
80	O	-
81	L	-
82	W	-
83	Y	-
84	L	-
85	P	-
86	BR	-
87	P	-
88	V	-
89	G	-
90	P	-
91	R	-
92	R	-
93	GR	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	O	-
3	SB	-
4	LG	-
5	GR	-
6	W	-
7	G	-
8	W	-
9	P	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	BR	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
20	GR	- [Without ICC]
21	BR	- [With ICC]
21	R	- [Without ICC]
22	R	- [With ICC]
22	L	- [Without ICC]
23	G	-
24	L	- [With ICC]
24	P	- [Without ICC]
25	Y	- [With ICC]
25	W	- [Without ICC]
26	SHIELD	-
28	GR	-
29	V	-
30	O	-
31	BR	-
32	W	-
33	Y	-
34	L	-

JCMWA4949GB

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	W7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-
5	G	-
6	P	-
7	V	-
8	O	-
9	W	-
10	W	-
11	O	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	R	-
21	LG	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	O	-
28	W	-
29	SHIELD	-
38	B	-
39	B	-
40	LG	-
41	G	-
42	Y	-
43	SB	-
44	W	-
45	B	-
50	B	-
51	V	-
52	LG	-

53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	BR	-
62	R	-
63	Y	-
64	L	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	V	-
71	W	-
72	B	-
73	W	-
74	LG	-
75	P	-
76	LG	-
77	SB	-
78	GR	-
79	R	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	W	-
86	Y	-
87	B	-
88	G	-
89	O	-
90	W	-
91	R	-
92	O	-
93	BR	-
94	V	-
95	Y	-
96	O	-
97	W	-
98	R	-
99	G	-
99	O	-

- [With VK engine]
- [With VG engine]

Connector No.	MT9
Connector Name	ACCESSORY RELAY (2)
Connector Type	MS02FL-M2-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	LG	-
5	L	-

JCMWA4950GB

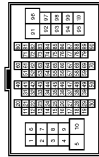
A
B
C
D
E
F
G
H
I
J
K
L
PWO
N
O
P

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	V	-
4	SB	-
6	Y	-
7	B	-
8	W	-
10	W	-
11	BR	-
12	GR	-
13	SHIELD	-
14	-	-
15	P	-
16	SHIELD	-
17	Y	-
18	LG	-
19	LG	-
20	SB	-
21	LG	-
22	B	- [With entertainment system] - [Without entertainment system]
23	W	- [With entertainment system] - [Without entertainment system]
24	R	- [With entertainment system] - [Without entertainment system]
25	SHIELD	- [With entertainment system] - [Without entertainment system]
26	R	- [With entertainment system] - [Without entertainment system]
27	V	-
28	SHIELD	-
29	O	-
30	P	-
31	W	-
32	W	-
33	SB	-
40	V	-
41	SB	- [With ICC] - [Without ICC]

42	V	- [With ICC] - [Without ICC]
43	P	- [With ICC] - [Without ICC]
44	R	- [With ICC] - [Without ICC]
45	L	- [With ICC] - [Without ICC]
46	O	- [With ICC] - [Without ICC]
47	L	- [With ICC] - [Without ICC]
48	P	- [With ICC] - [Without ICC]
49	G	- [With ICC] - [Without ICC]
50	SHIELD	-
51	O	-
52	GR	-
53	G	-
54	L	-
55	P	-
60	LG	-
61	R	-
62	SB	-
63	V	-
64	Y	-
65	BR	-
66	O	-
67	W	-
68	SHIELD	-
69	G	-
71	SB	-
72	V	-
73	V	-
74	LG	-
75	R	- [With VK engine] - [With VQ engine]
76	V	-
77	LG	-
80	R	-
81	L	-
82	Y	-
83	O	-
84	W	-
85	SB	-
86	B	-
87	P	-
91	L	-
92	L	-
93	G	-
94	W	- [With VK engine] - [With VQ engine]
94	O	-

95	V	-
96	G	-
97	G	-
98	L	-
99	LG	-
100	Y	-

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



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

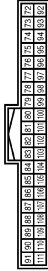
Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4	P	INT ROOM LAMP PWR SUPPLY (BAT SAVE)
5	V	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP OUTPUT
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 (ELUSE)
13	B	GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	O	TURN SIGNAL LH (FRONT)

19	SB	ROOM LAMP TIMER
----	----	-----------------

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT2-
73	G	ROOM ANT2+
74	SB	PASSENGER DOOR ANT-
75	BR	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
81	W	NATS ANT AMP
82	P	IGN RELAY (E/B) CONT
83	GR	KEYLESS ENTRY RECEIVER SIGNAL
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	SB	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	V	ON IND
95	O	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P
100	G	PASSENGER DOOR REQUEST SW
101	SB	DRIVER DOOR REQUEST SW
102	O	BLOWER FAN MOTOR RELAY CONT
103	BR	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW
111	GR	S/L UNIT COMM

JCMWA4951GB

POWER SOCKET

< DTC/CIRCUIT DIAGNOSIS >

POWER SOCKET

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	MS08FW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	L	-

Connector No. M142

Connector Name CONSOLE POWER SOCKET

Connector Type P02FB-Z



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

Connector No. M149

Connector Name REAR POWER SOCKET

Connector Type P02FB-Z



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

JCMWA4952GB

PWO

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000005240724

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:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which 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 the "SRS AIR BAG".
- Do not 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:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT 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.

POWER SOCKET

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

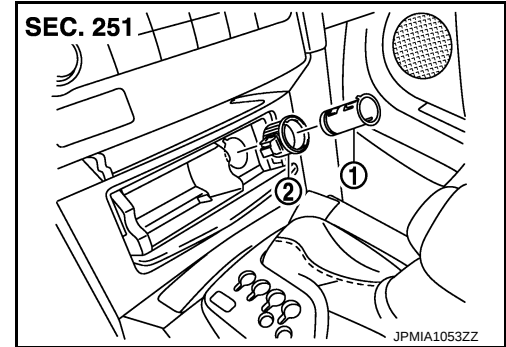
POWER SOCKET

FRONT POWER SOCKET

FRONT POWER SOCKET : Exploded View

INFOID:000000005240725

- 1 : Inner socket
- 2 : Ring

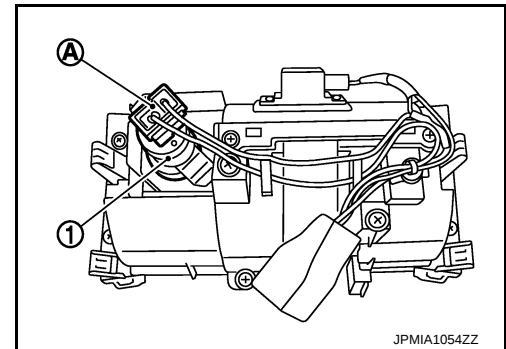


FRONT POWER SOCKET : Removal and Installation

INFOID:000000005240726

REMOVAL

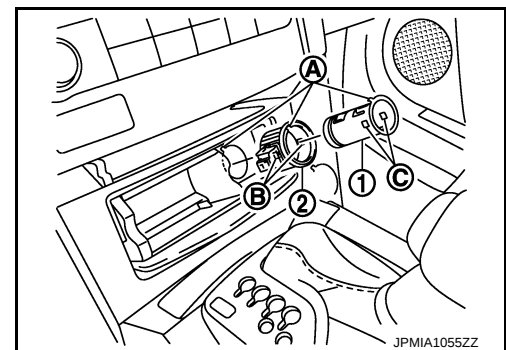
1. Remove console pocket assembly. Refer to [JP-22. "Exploded View"](#).
2. Disconnect power socket connector (A) from reverse side inner socket (1).



3. Pull out inner socket (1) by pushing the ring pawl (B) from the inner socket hole (square) (C).

A : Cut out

4. Remove ring (2) from console pocket assembly while pressing pawls.



INSTALLATION

Install in the reverse order of removal.

NOTE:

Align the cut outs of inner socket, ring, and console pocket assembly.

CONSOLE POWER SOCKET

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

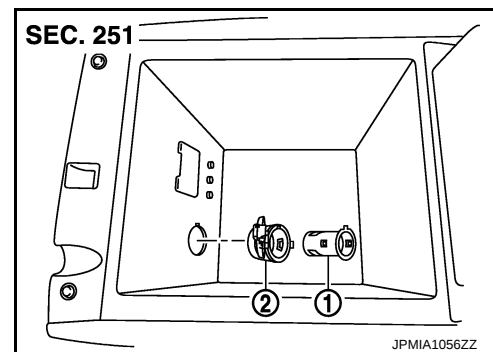
POWER SOCKET

< REMOVAL AND INSTALLATION >

CONSOLE POWER SOCKET : Exploded View

INFOID:000000005240727

- 1 : Inner socket
- 2 : Ring



CONSOLE POWER SOCKET : Removal and Installation

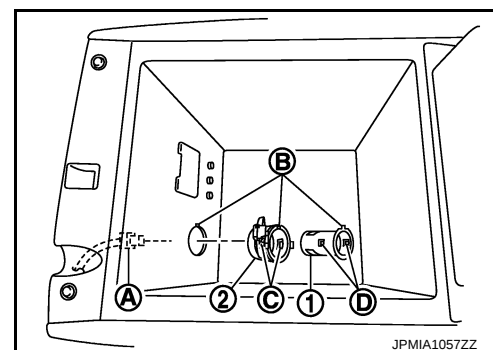
INFOID:000000005240728

REMOVAL

1. Remove center console assembly. Refer to [IP-22, "Exploded View"](#).
2. Disconnect power socket connector (A).

B : Cut out

3. Pull out inner socket (1) by pushing the ring pawl (C) from the inner socket hole (square) (D).
4. Remove ring (2) from console box assembly while pressing pawls.



INSTALLATION

Install in the reverse order of removal.

NOTE:

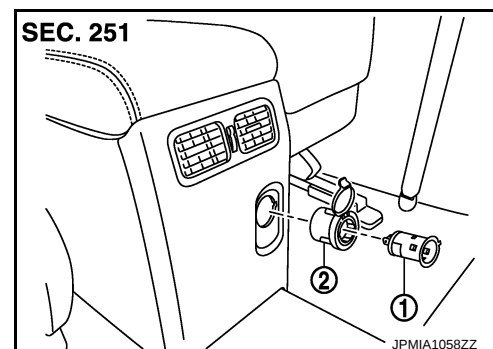
Align the cut outs of inner socket, ring, and console box assembly.

REAR POWER SOCKET

REAR POWER SOCKET : Exploded View

INFOID:000000005240729

- 1 : Inner socket
- 2 : Ring



REAR POWER SOCKET : Removal and Installation

INFOID:000000005240730

REMOVAL

1. Remove console rear finisher. Refer to [IP-22, "Exploded View"](#).

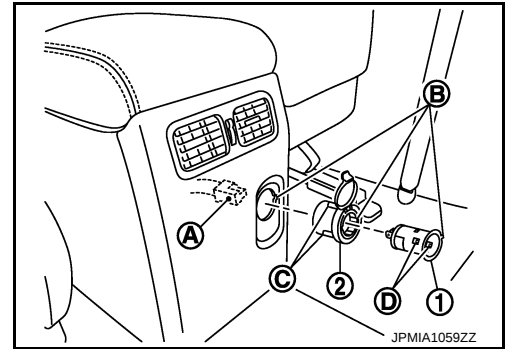
POWER SOCKET

< REMOVAL AND INSTALLATION >

2. Disconnect power socket connector (A).

B : Cut out

3. Pull out inner socket (1) by pushing the ring pawl (C) from the inner socket hole (square) (D).
4. Remove ring (2) from console rear finisher while pressing pawls.



INSTALLATION

Install in the reverse order of removal.

NOTE:

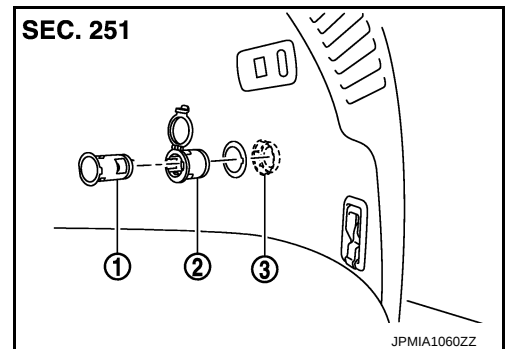
Align the cut outs of inner socket, ring, and console rear finisher.

LUGGAGE ROOM POWER SOCKET

LUGGAGE ROOM POWER SOCKET : Exploded View

INFOID:000000005240731

- 1 : Inner socket
- 2 : Ring
- 3 : Retainer



LUGGAGE ROOM POWER SOCKET : Removal and Installation

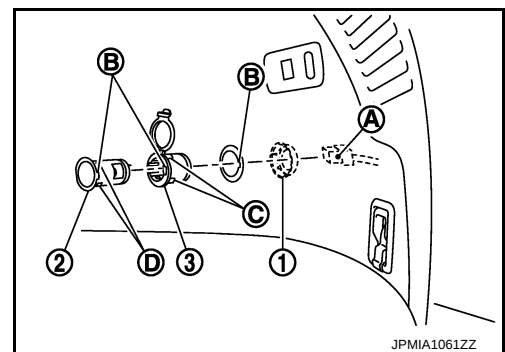
INFOID:000000005240732

REMOVAL

1. Remove clips on the back of the luggage side finisher lower (RH) to obtain space for work. Refer to [INT-28. "Exploded View"](#).
2. Disconnect power socket connector (A).

B : Cut out

3. Remove retainer (1) and remove power socket assembly.
4. Pull out inner socket (2) by pushing the ring pawl (C) from the inner socket hole (square) (D).
5. Remove ring (3) from luggage side finisher lower (RH) while pressing pawls.



INSTALLATION

Install in the reverse order of removal.

NOTE:

Align the cut outs of inner socket, ring, and luggage side finisher lower (RH).