

SECTION **PWO**
POWER OUTLET

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PRECAUTION

PRECAUTIONS

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

INFOID:000000007421768

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 SR and SB section 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 SR section.
- 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 Airbag Diagnosis Sensor Unit or other Airbag 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.

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:000000007421769

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

This vehicle is equipped with a push-button ignition switch and a steering lock unit.

If the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

2. Carry the Intelligent Key or insert it to the key slot and turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.

PRECAUTIONS

< PRECAUTION >

[POWER SOCKET]

5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT.

Precaution for Work

INFOID:000000007421770

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components.
 - Water soluble dirt: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the dirty area.
Then rub with a soft and dry cloth.
 - Oily dirt: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the dirty area.
Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.
- Do not use organic solvent such as thinner, benzene, alcohol, or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

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PREPARATION

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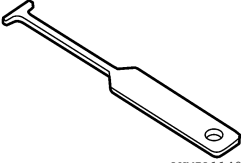
PREPARATION

PREPARATION

Special Service Tool

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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
— (J-42059) Power socket removal tool  AWMIA1148GB	For removing power sockets

POWER SOCKET

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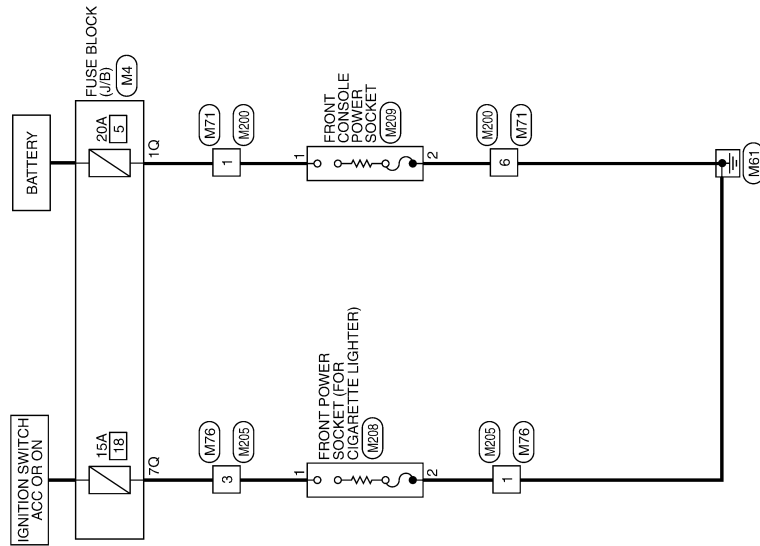
[POWER SOCKET]

WIRING DIAGRAM

POWER SOCKET

Wiring Diagram - Early Production

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POWER SOCKET

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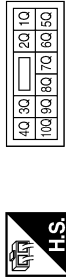
POWER SOCKET

< WIRING DIAGRAM >

[POWER SOCKET]

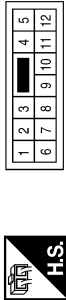
POWER SOCKET CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1Q	R/W	-
7Q	R/B	-

Connector No.	M71
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R/W	-
6	B	-

Connector No.	M76
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
3	R/B	-

Connector No.	M200
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R/W	-
6	B	-

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
3	R/B	-

Connector No.	M208
Connector Name	FRONT POWER SOCKET (FOR CIGARETTE LIGHTER)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	R/B	-
2	B	-

POWER SOCKET

< WIRING DIAGRAM >

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Connector No.	M209
Connector Name	FRONT CONSOLE POWER SOCKET
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	R/W	+
2	B	GND

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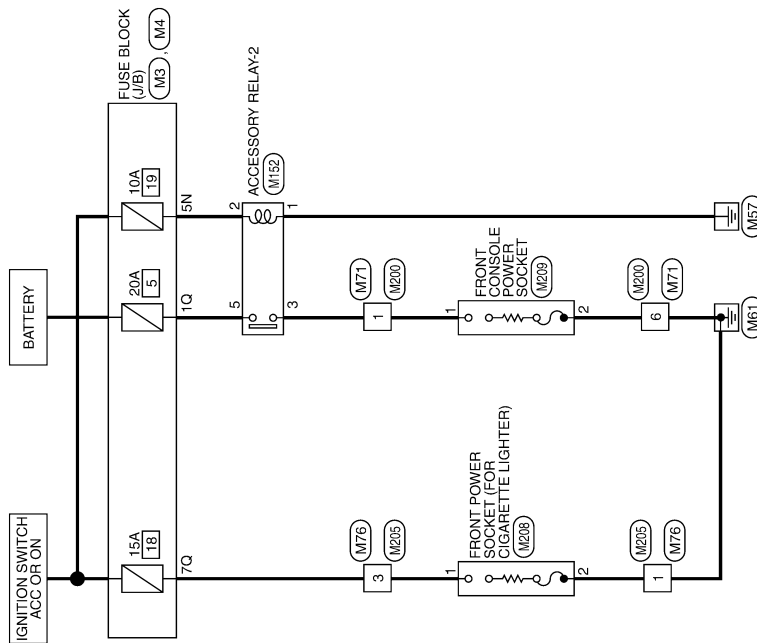
POWER SOCKET

< WIRING DIAGRAM >

[POWER SOCKET]

Wiring Diagram - Late Production

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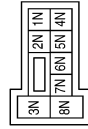


POWER SOCKET

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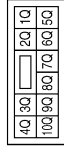
POWER SOCKET CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



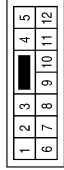
Terminal No.	Color of Wire	Signal Name
5N	V/Y	-

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



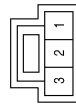
Terminal No.	Color of Wire	Signal Name
1Q	L	-
7Q	R/B	-

Connector No.	M71
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R/W	-
6	B	-

Connector No.	M76
Connector Name	WIRE TO WIRE
Connector Color	WHITE



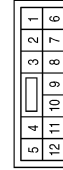
Terminal No.	Color of Wire	Signal Name
1	B	-
3	R/B	-

Connector No.	M152
Connector Name	ACCESSORY RELAY-2
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
1	B	-
2	V/Y	-
3	R/W	-
5	L	-

Connector No.	M200
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R/W	-
6	B	-

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< WIRING DIAGRAM >

[POWER SOCKET]

Connector No.	M209
Connector Name	FRONT CONSOLE POWER SOCKET
Connector Color	BLACK



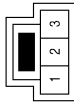
Terminal No.	Color of Wire	Signal Name
1	R/W	+
2	B	GND

Connector No.	M208
Connector Name	FRONT POWER SOCKET (FOR CIGARETTE LIGHTER)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	R/B	-
2	B	-

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
3	R/B	-

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REMOVAL AND INSTALLATION

POWER SOCKET

Removal and Installation

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FRONT POWER SOCKET (FOR CIGARETTE LIGHTER) OR CONSOLE POWER SOCKET

NOTE:

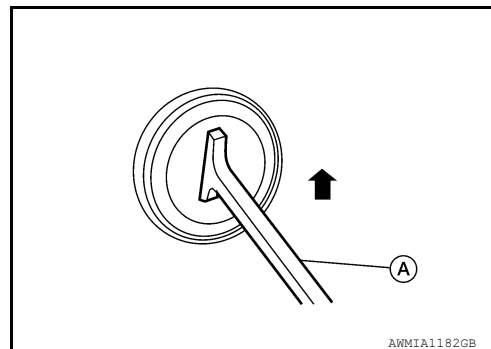
If the tool does not fit because of the location of the power socket or cigarette lighter, further disassembly may be required. Refer to [IP-11, "Exploded View"](#) (Front Power Socket) or [IP-20, "Removal and Installation"](#) (Console Power Socket).

Removal

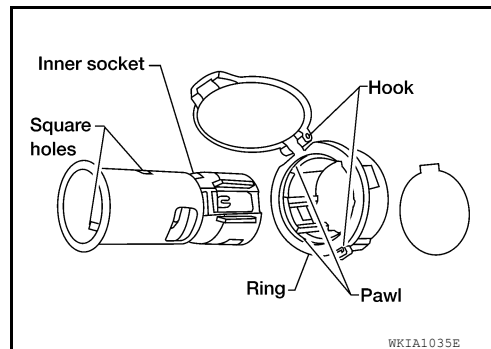
1. Remove the fuse for the power socket.
2. Insert one end of the Tool (A) into one of the square holes inside the power socket.

Tool number: — (J-42059)

3. Lift up the handle of the Tool until the other end of the Tool is inside the socket and snaps into the other square hole in the power socket.
4. Pull the power socket straight out with the Tool.



5. Disconnect power socket connector.
6. Remove ring from power socket finisher while pressing pawls.

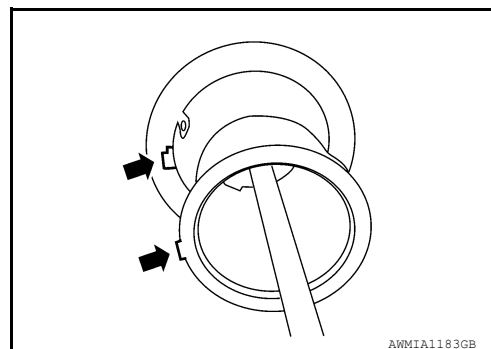


Installation

Installation is in the reverse order of removal.

NOTE:

Make sure to align the tab with the square notched area during installation.



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