

SECTION

ACC

ACC

ACCELERATOR CONTROL SYSTEM

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

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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 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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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 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 or batteries, and wait at least three minutes before performing any service.

ACCELERATOR CONTROL SYSTEM

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

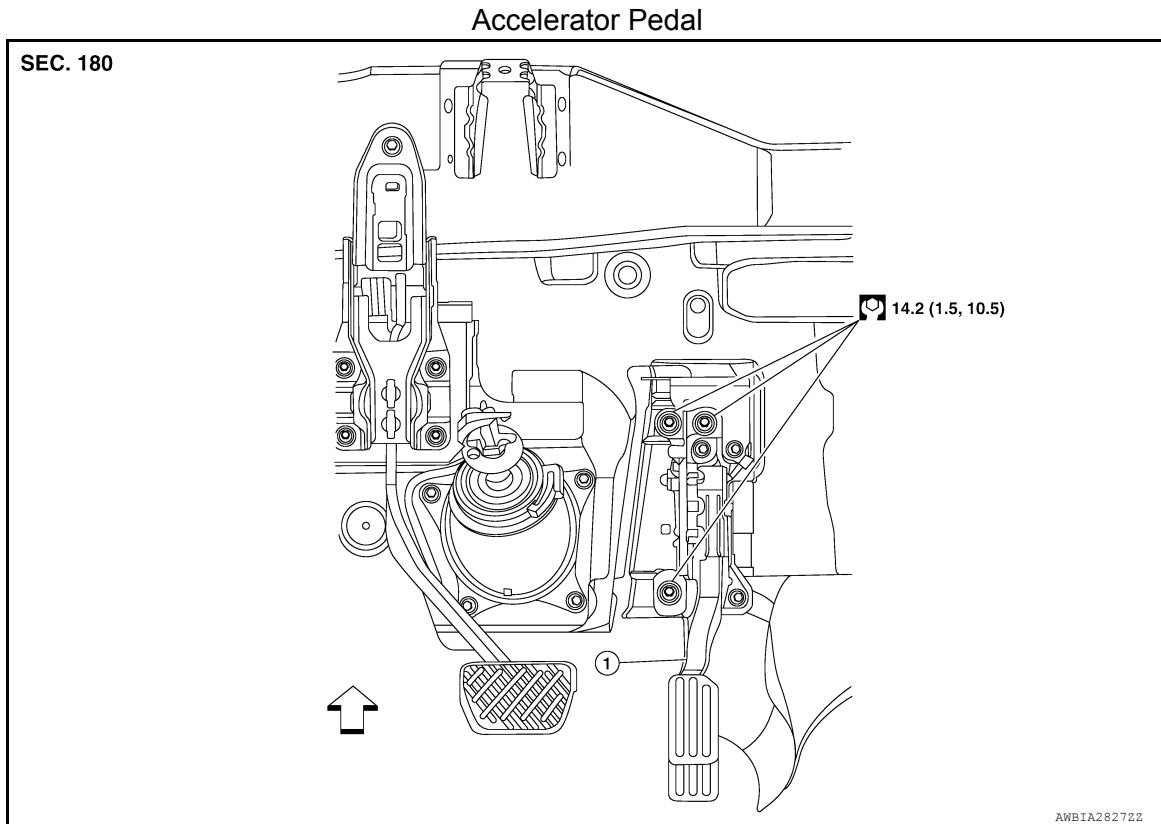
ACCELERATOR CONTROL SYSTEM

Removal and Installation

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ACCELERATOR PEDAL ASSEMBLY



1. Accelerator pedal assembly

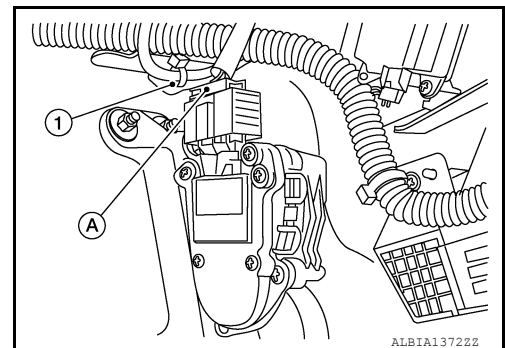
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CAUTION:

- Do not disassemble the accelerator pedal assembly.
- Do not remove the accelerator pedal position sensor from the accelerator pedal bracket.
- Discard any accelerator pedal assembly that has been dropped or damaged.
- Keep the accelerator pedal assembly away from water.

Removal

1. Disconnect the harness connector (A) from the accelerator pedal position sensor.
2. Disconnect the shift cable (1) from the accelerator pedal bracket.



3. Remove the three accelerator pedal nuts.
4. Remove the accelerator pedal assembly.

Installation

ACCELERATOR CONTROL SYSTEM

< REMOVAL AND INSTALLATION >

Installation is in the reverse order of removal.

Inspection After Installation

- Check that the accelerator pedal moves smoothly within the specified range.

Accelerator pedal - total pedal applied stroke

: Refer to [ACC-5, "Accelerator Control"](#).

Accelerator pedal - total pedal height

: Refer to [ACC-5, "Accelerator Control"](#).

- Depress and release the accelerator pedal to check that it returns quickly and smoothly to the original released position.
- Perform an electrical inspection of the accelerator pedal position sensor. Refer to [EC-1808, "Diagnosis Procedure"](#).

CAUTION:

- For the VK56VD gas engine only, whenever the harness connector of the accelerator pedal position sensor is disconnected, perform "Accelerator Pedal Released Position Learning". Refer to [EC-198, "Description"](#).
- The accelerator pedal should operate smoothly without catching when the accelerator pedal operating force is released. The spring should be free from damage.

SERVICE DATA AND SPECIFICATIONS (SDS)

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SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Accelerator Control

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ACCELERATOR PEDAL STROKE AND TRAVEL

Unit: mm (in)

Accelerator pedal - total pedal applied stroke	55 (2.17)
Accelerator pedal - total pedal height	97.3 (3.83)

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