

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 "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.

ACCELERATOR CONTROL SYSTEM

< REMOVAL AND INSTALLATION >

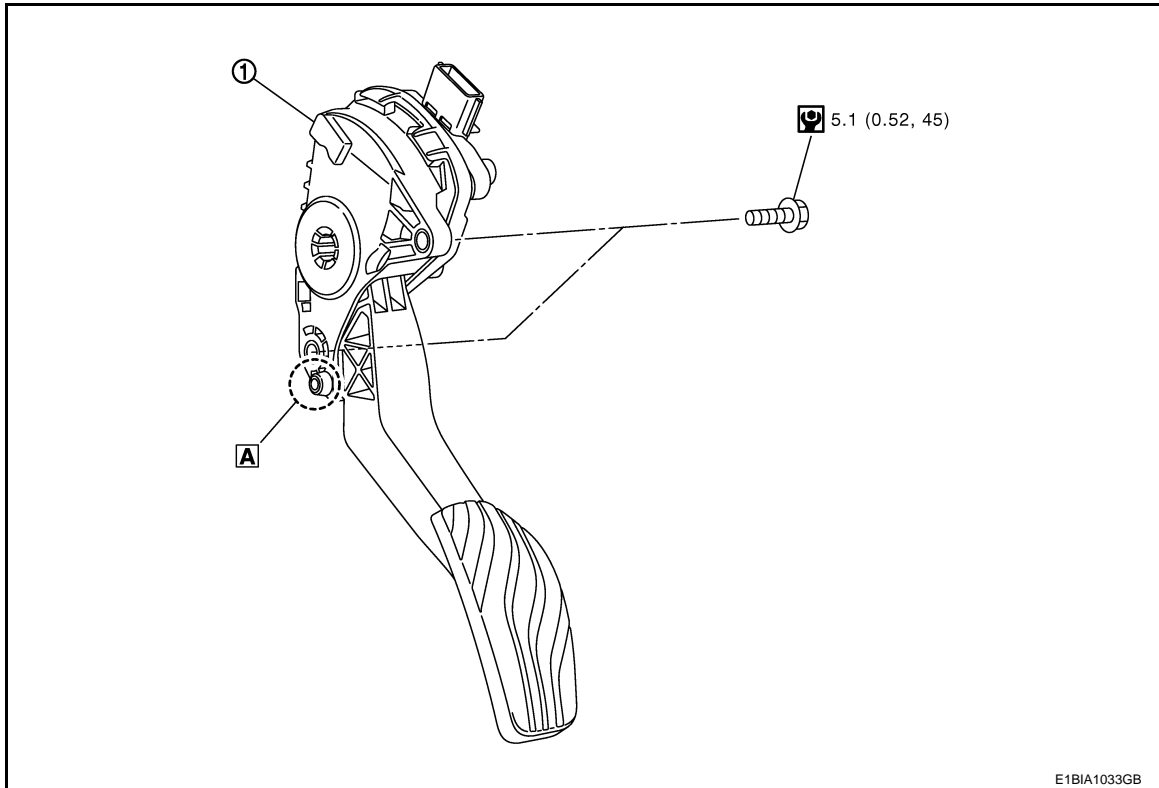
REMOVAL AND INSTALLATION

ACCELERATOR CONTROL SYSTEM

Exploded View

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1. Accelerator pedal assembly A. Locating pin
- Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

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REMOVAL

1. Disconnect the harness connector from the accelerator pedal assembly.
2. Remove the bolts, then remove accelerator pedal assembly.

CAUTION:

- Never disassemble accelerator lever. Never remove accelerator pedal position sensor from accelerator lever.
- Avoid impact from dropping etc. during handling.
- Be careful to keep accelerator lever away from water.

INSTALLATION

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

- Insert locating pin into vehicle side to position accelerator pedal assembly. Install mounting bolt to accelerator pedal assembly.

For inspection, refer to [ACC-3, "Inspection"](#)

Inspection

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INSPECTION AFTER INSTALLATION

ACCELERATOR CONTROL SYSTEM

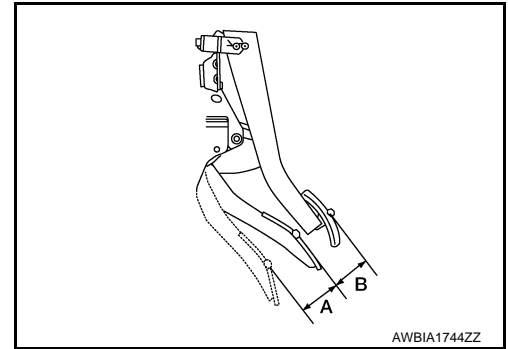
< REMOVAL AND INSTALLATION >

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

Accelerator pedal stroke (A) : Refer to [ACC-5, "Accelerator Control"](#)

- Check the accelerator pedal height.

Accelerator pedal stroke (B) : Refer to [ACC-5, "Accelerator Control"](#)



- If accelerator pedal does not meet specified values, check brake pedal height. Refer to [ACC-3, "Inspection"](#).
- Depress and release the accelerator pedal to check that it returns quickly and smoothly to the original released position.

CAUTION:

- **Whenever the harness connector of the accelerator pedal position sensor has been disconnected, perform "Accelerator Pedal Released Position Learning".**
- **The accelerator pedal should operate smoothly without catching when the pedal operating force is released. The pedal should return smoothly to the fully raised position. The spring should be free from damage.**

SERVICE DATA AND SPECIFICATIONS (SDS)

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SERVICE DATA AND SPECIFICATIONS (SDS)

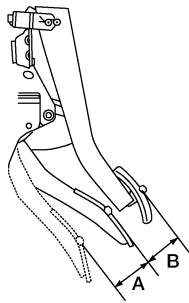
SERVICE DATA AND SPECIFICATIONS (SDS)

Accelerator Control

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Unit: mm (in)



AWBIA1744ZZ

Accelerator pedal stroke (A)	49.6 - 52.4 (1.95 - 2.06)
Pedal height difference between accelerator and brake (B)	35 - 45 (1.38 - 1.77)