SECTION ACC
ACCELERATOR CONTROL SYSTEM

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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:

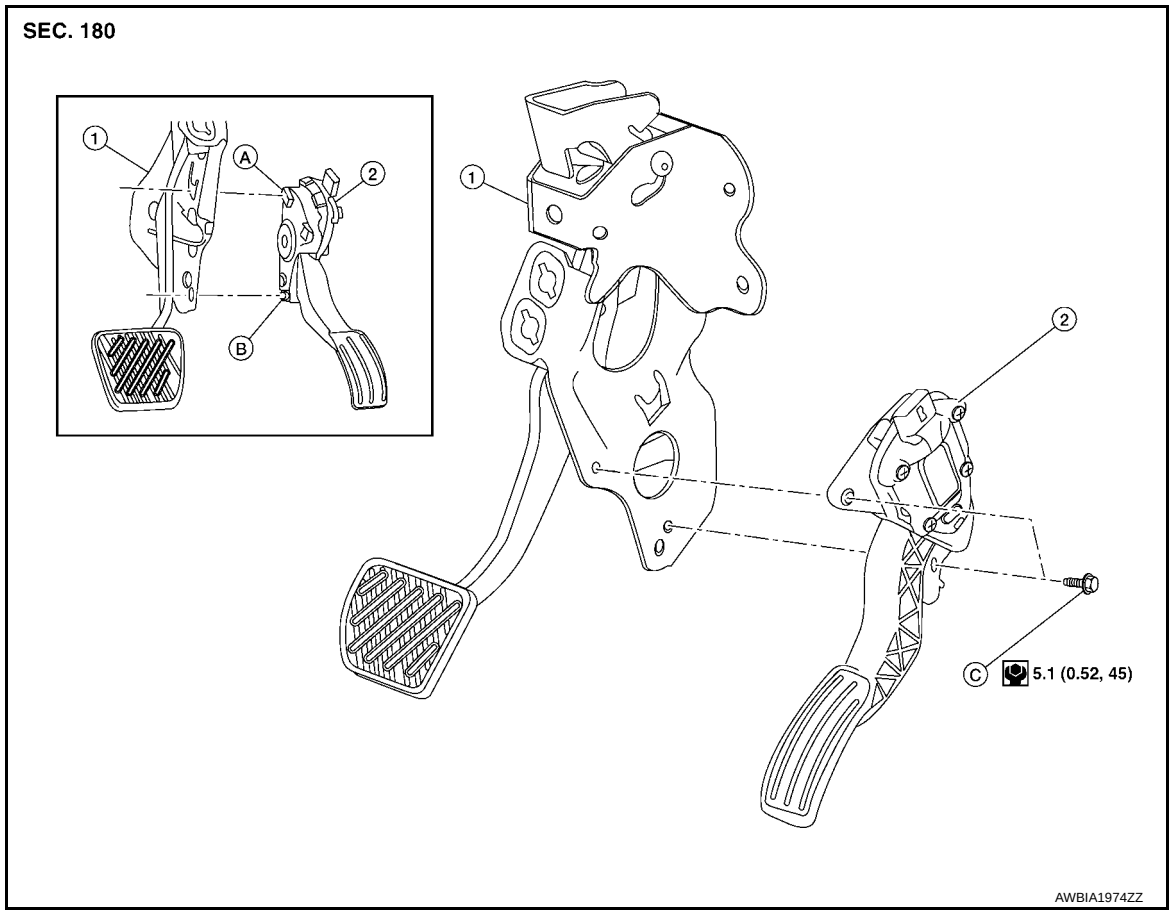
- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious 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.**

REMOVAL AND INSTALLATION

ACCELERATOR PEDAL ASSEMBLY

Exploded View

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1. Brake pedal
2. Accelerator pedal assembly
A. Locator hook
B. Locator pin
C. Bolt

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:

- **Do not disassemble accelerator pedal assembly.**
- **Do not drop or impact accelerator pedal assembly.**
- **Do not expose accelerator pedal assembly to water.**

INSTALLATION

Installation is in the reverse order of removal.

NOTE:

When installing the accelerator pedal assembly, make sure to align locator hook and locator pin before installing bolts.

For inspection, refer to ACC-3, "Inspection".

Inspection

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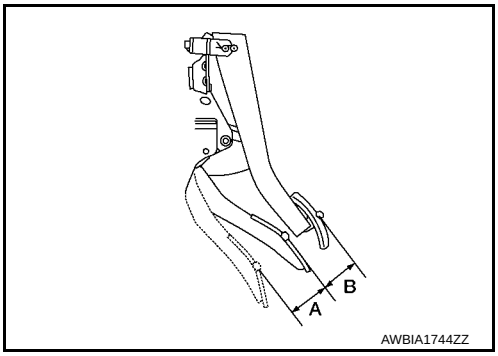
INSPECTION AFTER INSTALLATION

- 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 height (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". Refer to EC-159, "Work Procedure".**
- **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.**

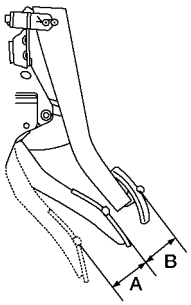
SERVICE DATA AND SPECIFICATIONS (SDS)

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)