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SECTION ACC

ACCELERATOR CONTROL SYSTEM

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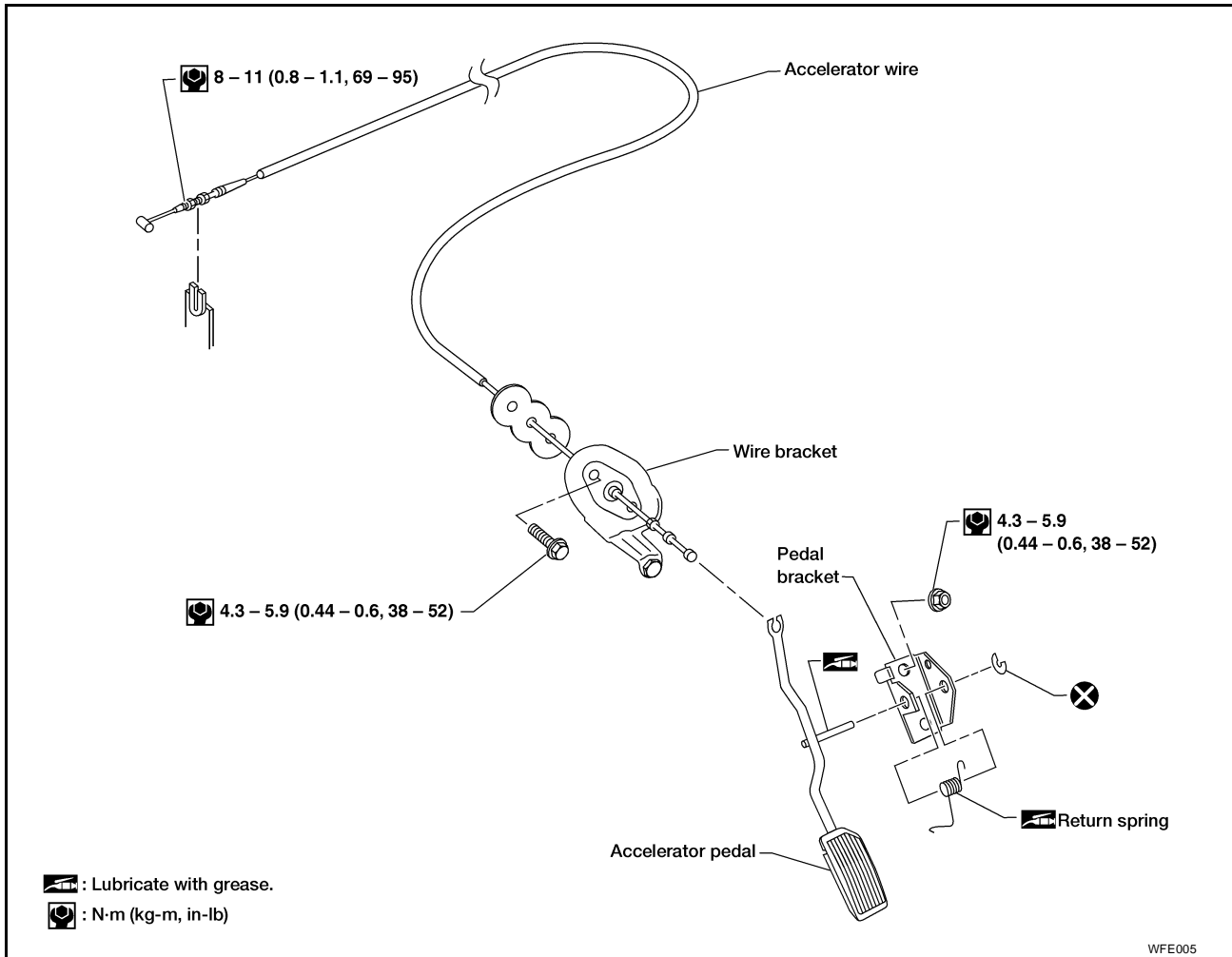
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ACCELERATOR CONTROL SYSTEM

PFP:18005

Removal and Installation

EBS0070J



CAUTION:

- When removing accelerator wire, make a mark to indicate lock nut's initial position.
- Check that throttle valve opens fully when accelerator pedal is fully depressed. Also check that it returns to idle position when pedal is released.
- Check accelerator control parts for improper contact with any adjacent parts.
- When connecting accelerator wire, be careful not to twist or scratch its inner wire.

Adjusting Accelerator Wire

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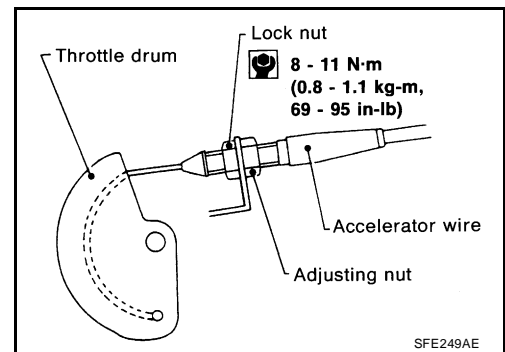
CAUTION:

- Make sure the ASCD wire is not pulling the throttle drum.
 - Perform the ASCD wire adjustment as necessary. Refer to [ACS-23. "ASCD Wire Adjustment"](#).
1. Remove the vacuum hose connected to the throttle opener.
 2. Connect suitable vacuum hose to vacuum pump.
 3. Apply vacuum [more than -40.0 kPa (-300 mmHg, -11.81 inHg)] until the throttle drum becomes free from the rod of the throttle opener.
Make sure that there is clearance between the throttle drum and rod.

ACCELERATOR CONTROL SYSTEM

[QG18DE]

4. Loosen lock nut.
5. Tighten accelerator adjusting nut until throttle drum starts to move.
6. From that position, turn back adjusting nut 3.9 to 4.5 mm (0.15 - 0.18 in), and secure lock nut.
7. Release vacuum from the throttle opener.
8. Remove vacuum pump and vacuum hose from the throttle opener.
9. Reinstall the original vacuum hose to the throttle opener securely.



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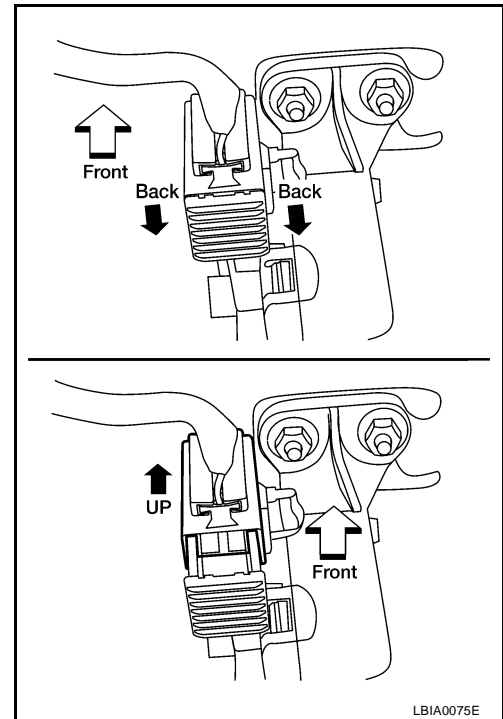
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ACCELERATOR CONTROL SYSTEM

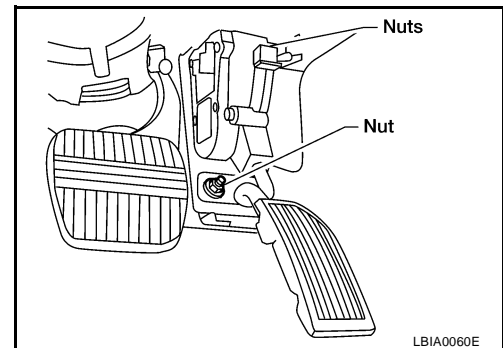
Removal and Installation

1. Disconnect the accelerator pedal position sensor electrical connector.
 - a. Pull the connector lock back to unlock the connector from the accelerator pedal position sensor.
 - b. Pull up on the connector to disconnect it from the accelerator pedal position sensor.



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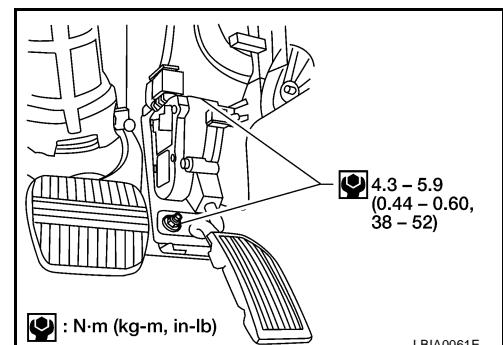
2. Remove the upper and lower pedal assembly nuts.



LBIA0060E

3. Remove the pedal assembly.
 - a. Do not disassemble the pedal assembly. Do not remove the accelerator pedal position sensor from the pedal assembly.
 - b. Avoid impact from dropping during handling.
 - c. Keep the pedal assembly away from water.
 - d. For electrical inspection of the accelerator pedal position sensor. Refer to [EC-1289, "Basic Inspection"](#).

4. Installation is in the reverse order of removal.
 - When the harness connector of the accelerator pedal position sensor is disconnected, perform "Accelerator pedal position released learning". Refer to [EC-1253, "Accelerator Pedal Released Position Learning"](#).
 - Check the accelerator pedal for smooth operation. There should be no binding or sticking when applying or releasing the accelerator pedal.



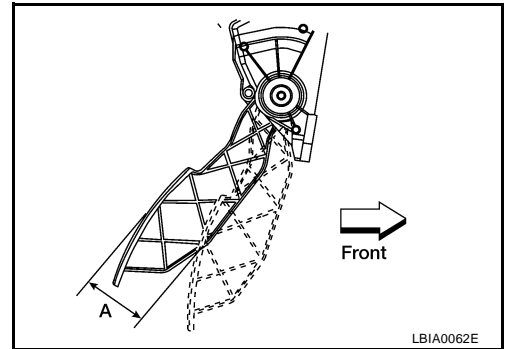
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ACCELERATOR CONTROL SYSTEM

[QR25DE]

- Check that the accelerator pedal moves through the full specified distance of pedal travel.

Pedal Travel "A" : 52.6 - 58.2 mm (2.07 - 2.29 in)



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