

SPEED CONTROL SYSTEMS

SP(H6DO)

| | Page |
|------------------------------------|------|
| 1. General Description | 2 |
| 2. Accelerator Pedal | 4 |
| 3. Accelerator Control Cable | 7 |



GENERAL DESCRIPTION

SPEED CONTROL SYSTEMS

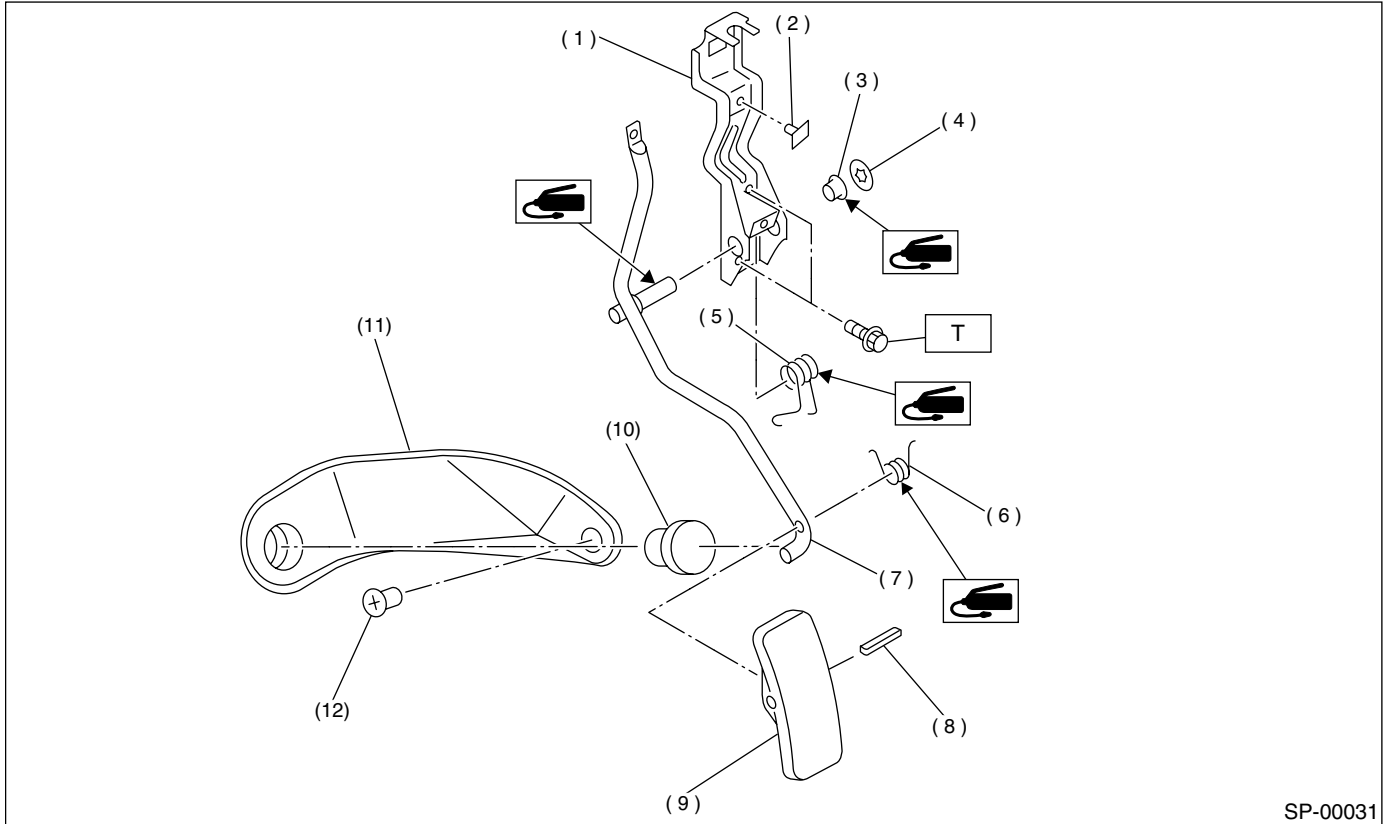
1. General Description

A: SPECIFICATION

| | | | |
|-------------------|-----------|--------------|-----------------------------|
| Accelerator pedal | Free play | At pedal pad | 0 — 4 mm (0 — 0.16 in) |
| | Stroke | At pedal pad | 50 — 55 mm (1.97 — 2.17 in) |

B: COMPONENT

1. LHD MODEL



- | | |
|------------------------------|-----------------------------|
| (1) Accelerator bracket | (7) Accelerator pedal lever |
| (2) Stopper | (8) Spring pin |
| (3) Bushing | (9) Accelerator pedal |
| (4) Clip | (10) Accelerator stopper |
| (5) Accelerator spring | (11) Accelerator plate |
| (6) Accelerator pedal spring | (12) Clip |

Tightening torque: N-m (kgf-m, ft-lb)

T: 18 (1.8, 13.0)

C: CAUTION

- Wear work clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination, including dirt and corrosion, before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Be careful not to burn your hands, because each part in the vehicle is hot after running.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Before disconnecting electrical connectors of sensors or units, be sure to disconnect ground cable from battery.

ACCELERATOR PEDAL

SPEED CONTROL SYSTEMS

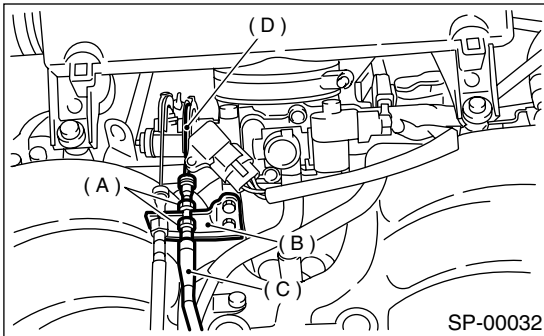
2. Accelerator Pedal

A: REMOVAL

- 1) Disconnect ground cable from battery.
- 2) Remove lock nut from accelerator cable bracket.
- 3) Remove accelerator cable from bracket.
- 4) Remove accelerator cable end from throttle cam.

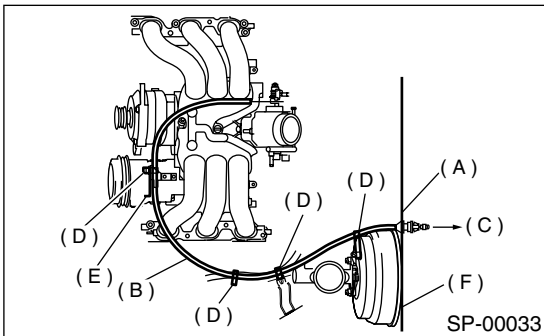
CAUTION:

Be careful not to kink accelerator cable.



- (A) Lock nut
- (B) Accelerator cable bracket
- (C) Accelerator cable
- (D) Throttle cam

- 5) Remove clip inside engine compartment.

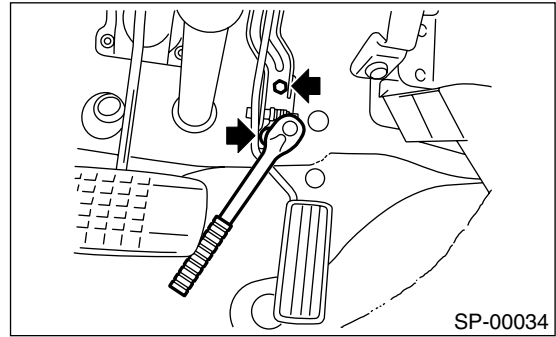


- (A) Toe board
- (B) Accelerator cable
- (C) To accelerator pedal
- (D) Clip
- (E) Bracket
- (F) Brake booster

- 6) Remove instrument panel lower cover from instrument panel, and connector.

- 7) Remove brake and clutch pedal bracket. (MT model) <Ref. to BR-39, REMOVAL, Brake Pedal.>

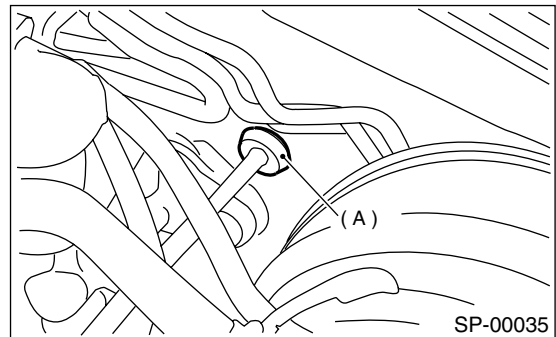
- 8) Remove accelerator pedal connecting bolt from accelerator pedal bracket.



- 9) Disconnect grommet (A) from toe board.

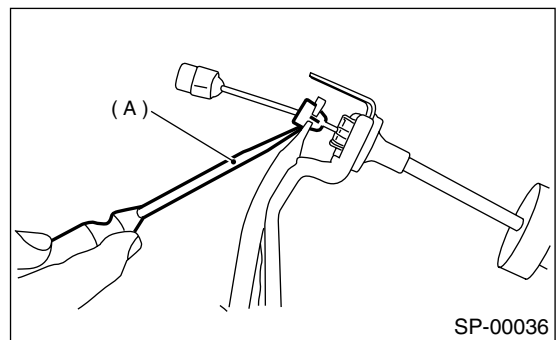
NOTE:

From engine room side, push grommet (A) into hole.



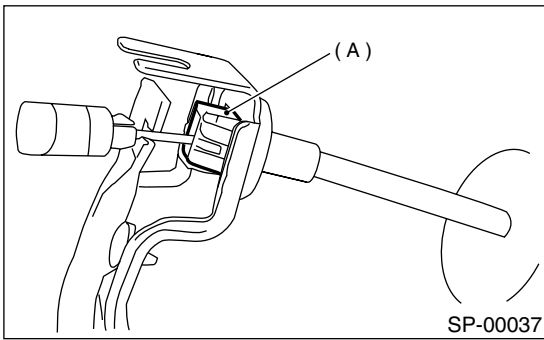
- (A) Grommet

- 10) Pull out the cable from the toe board hole.
- 11) Disconnect accelerator cable bushing from accelerator pedal lever.



- (A) Flat-bladed screwdriver

12) Disconnect accelerator cable stopper (A) from bracket.



13) Remove accelerator cable from bracket.

B: INSTALLATION

1) Install in the reverse order of removal.
 2) After installing pedal, adjust accelerator cable.
 <Ref. to SP(H6DO)-6, ADJUSTMENT, Accelerator Pedal.>

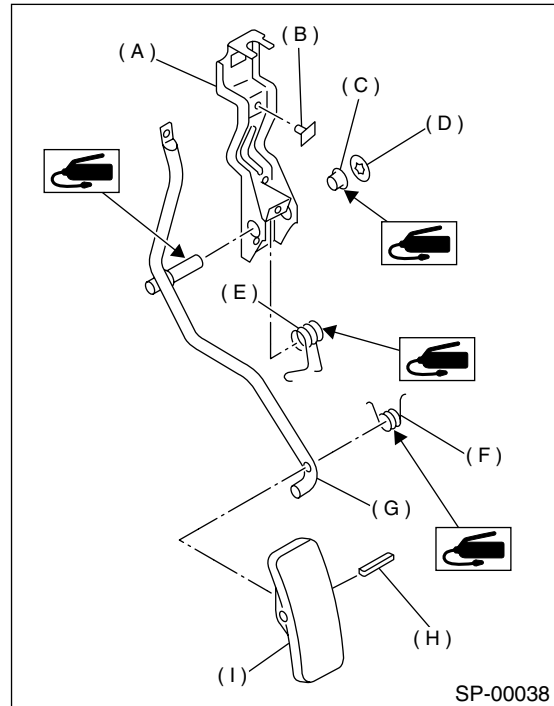
CAUTION:

- If cable clamp is damaged, replace it with a new one.
- Never fail to cover outer cable end with boot.
- Be careful not to kink accelerator cable.

Accelerator cable lock nut tightening torque:
 12 N·m (1.2 kgf-m, 9 ft-lb)

C: DISASSEMBLY

1) Remove the clip, and then remove the accelerator pedal from the bracket.
 2) Pull out the spring pin, and then remove the accelerator pedal from the accelerator pedal lever.



- (A) Accelerator bracket
- (B) Stopper
- (C) Bushing
- (D) Clip
- (E) Accelerator spring
- (F) Accelerator pedal spring
- (G) Accelerator pedal lever
- (H) Spring pin
- (I) Accelerator pedal

D: ASSEMBLY

Assemble in the reverse order of disassembly.

NOTE:

Clean areas as shown in the above figure and apply grease.

Grease:

Part No. 003602010
SUNLIGHT No. 2

ACCELERATOR PEDAL

SPEED CONTROL SYSTEMS

E: INSPECTION

1. ACCELERATOR PEDAL

Lightly move pedal pad in the lateral direction to ensure pedal deflection is in specified range.

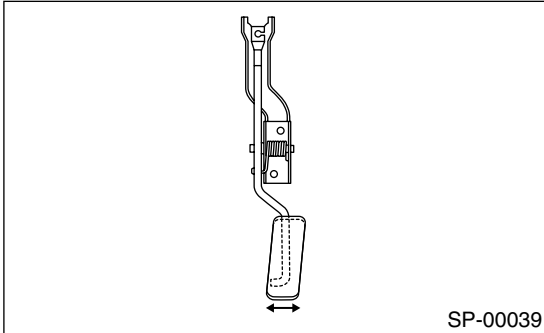
CAUTION:

If excessive deflection is noted, replace bushing and clip with new ones.

Deflection of accelerator pedal:

Service limit

± 2.0 mm (± 0.079 in) or less



F: ADJUSTMENT

1) Check pedal stroke and free play by operating accelerator pedal by hand.

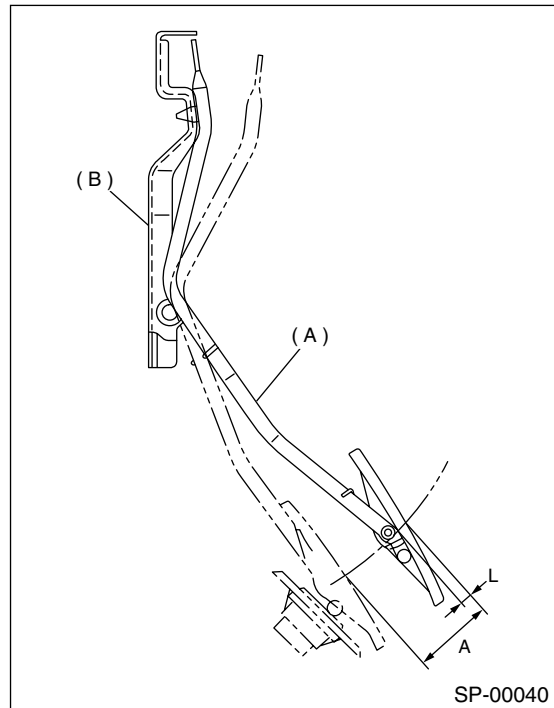
If it is not within specified value, adjust it by turning nut connecting accelerator cable to throttle body.

Free play at pedal pad: L

0 — 4 mm (0 — 0.16 in)

Stroke at pedal pad: A

50 — 55 mm (1.97 — 2.17 in)



(A) Accelerator pedal

(B) Accelerator pedal bracket

Accelerator cable lock nut tightening torque:

12 N·m (1.2 kgf·m, 9 ft·lb)

3. Accelerator Control Cable

A: REMOVAL

- 1) Remove accelerator pedal. <Ref. to SP(H6DO)-4, REMOVAL, Accelerator Pedal.>
- 2) Separate accelerator cable and accelerator pedal.

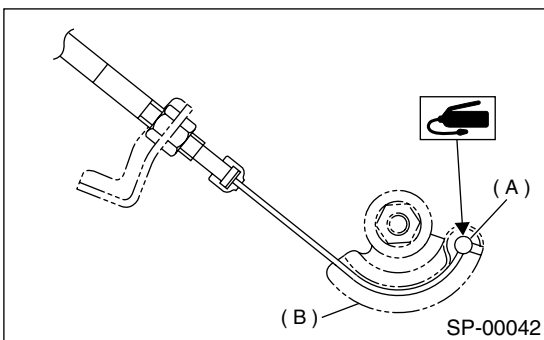
B: INSTALLATION

- 1) Install in the reverse order of removal.
- 2) Apply grease to the point (engine side accelerator cable end) in the figure below.

Grease:

Part No. 004404002

Slicolube G-30M



(A) Grease application area (Accelerator cable end)

(B) Throttle cam

CAUTION:

- If cable clamp is damaged, replace it with a new one.
- Never fail to cover outer cable end with boot.
- Be careful not to kink accelerator cable.
- Do not apply grease to areas except for the specified point.

3) Adjustment after pedal installation <Ref. to SP(H6DO)-5, INSTALLATION, Accelerator Pedal.>

C: INSPECTION

- 1) Make sure the inner cable is not twisted or frayed.
- 2) Make sure the outer cable is not cracked.

ACCELERATOR CONTROL CABLE

SPEED CONTROL SYSTEMS

MEMO: