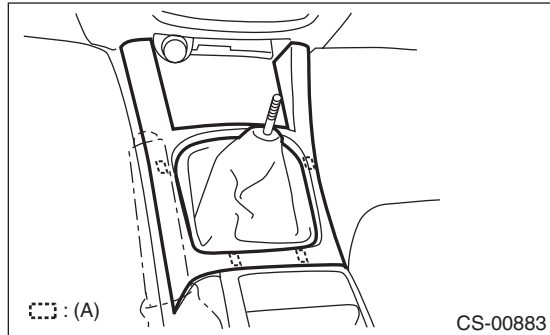


7. MT Gear Shift Lever

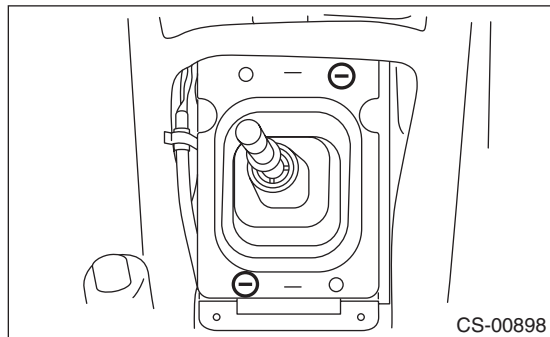
A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.
- 3) Remove the gear shift knob.
- 4) Remove the console front panel and shift boot.

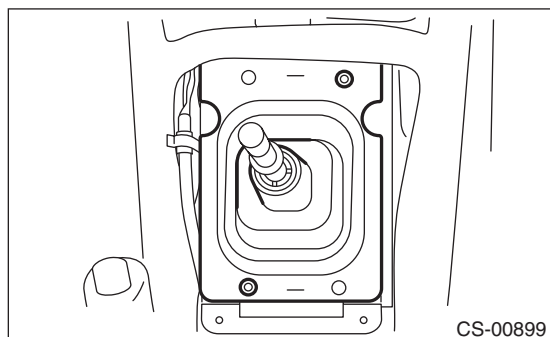


(A) Hook

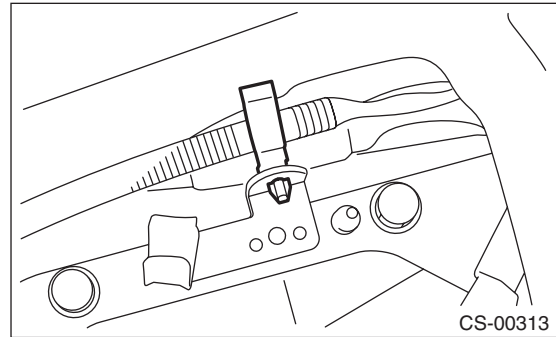
- 5) Remove the console cover and console box.
<Ref. to EI-46, REMOVAL, Console Box.>
- 6) Remove the clamp.



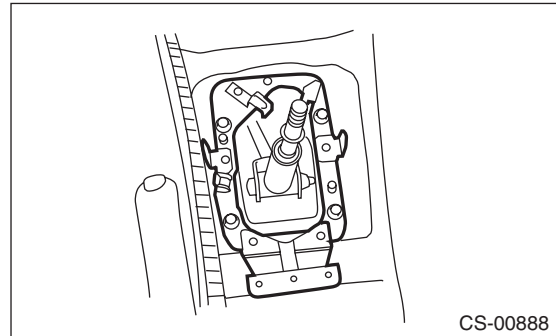
- 7) Remove the boot and insulator assembly.



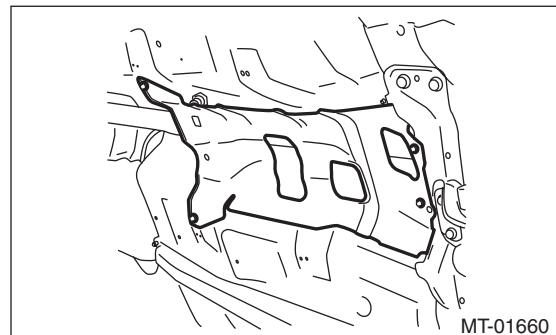
- 8) Remove the harness clamp from the plate COMPL.



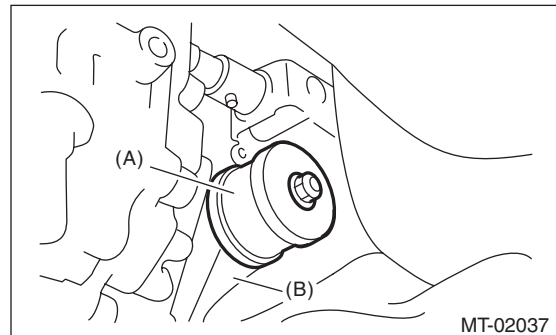
- 9) Remove the plate COMPL from the vehicle body.



- 10) Lift up the vehicle.
- 11) Remove the rear exhaust pipe. <Ref. to EX(H4SO)-10, REMOVAL, Rear Exhaust Pipe.>
- 12) Remove the heat shield cover.



- 13) Remove the stay from transmission bracket.

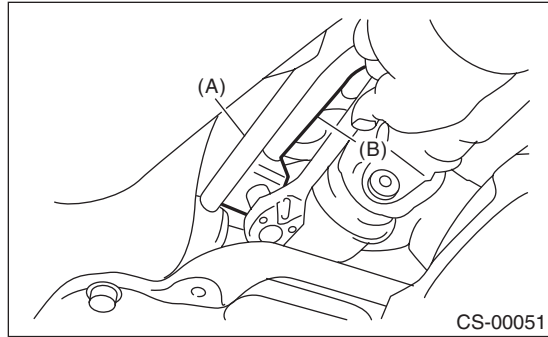


- (A) Stay
(B) Transmission bracket

MT Gear Shift Lever

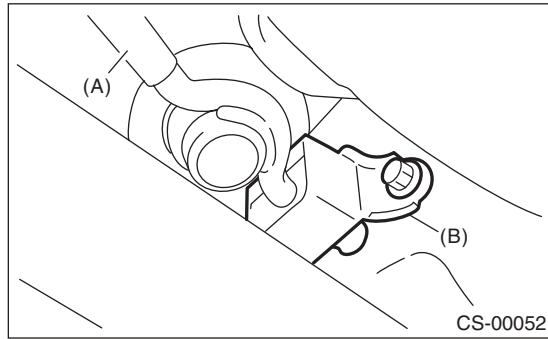
CONTROL SYSTEMS

14) Remove the rod from joint.



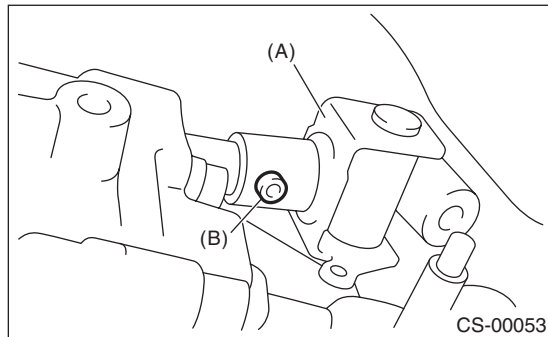
- (A) Stay
- (B) Rod

15) Remove the cushion rubber from the vehicle body.



- (A) Stay
- (B) Cushion rubber

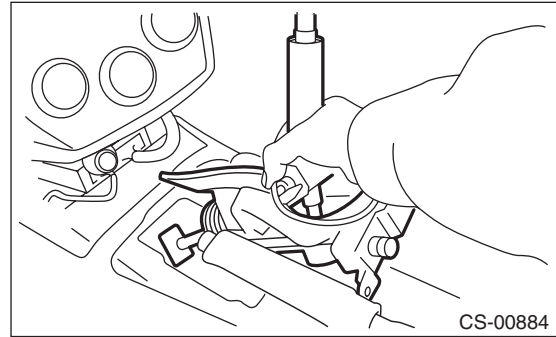
16) Extract the spring pin and remove the joint.



- (A) Joint
- (B) Spring pin

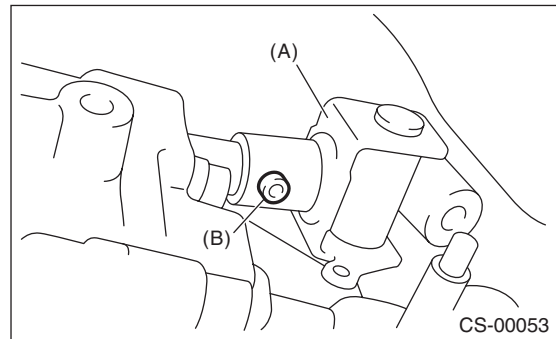
17) Lower the vehicle.

18) Remove the gear shift lever.



B: INSTALLATION

1) Install the joint to the transmission and secure with a spring pin.

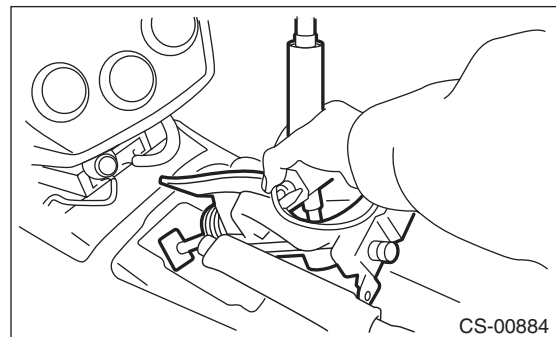


- (A) Joint
- (B) Spring pin

2) Insert the gear shift lever from the room side.

NOTE:

Insert the rod and the stay, and then temporarily set them onto the transmission mount.

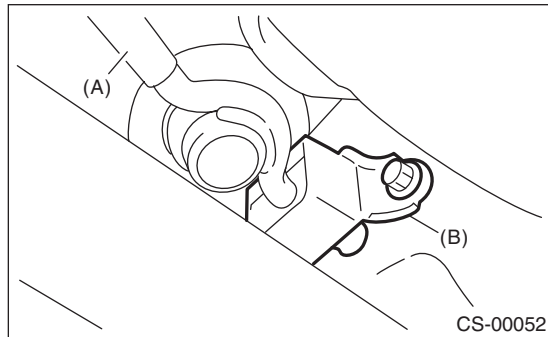


3) Lift up the vehicle.

4) Mount the cushion rubber on the vehicle body.

Tightening torque:

18 N·m (1.8 kgf·m, 13.3 ft-lb)

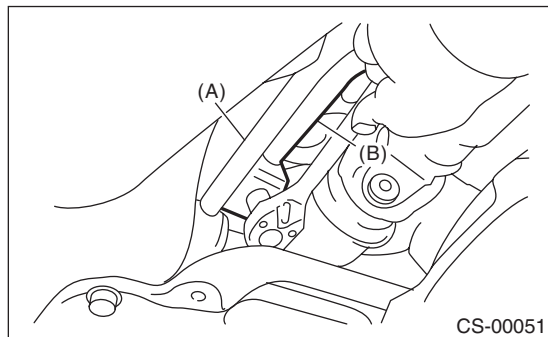


- (A) Stay
- (B) Cushion rubber

5) Using new self-locking nuts, connect the rod to the joint.

Tightening torque:

12 N·m (1.2 kgf·m, 8.9 ft-lb)

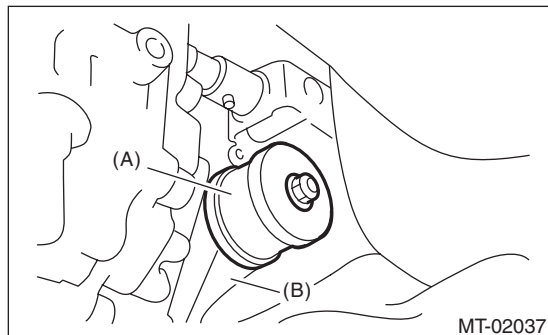


- (A) Stay
- (B) Rod

6) Using new self-locking nuts, connect the stay to the transmission bracket.

Tightening torque:

18 N·m (1.8 kgf·m, 13.3 ft-lb)



- (A) Stay
- (B) Transmission bracket

7) Install the heat shield cover. <Ref. to EI-70, INSTALLATION, Heat Shield Cover.>

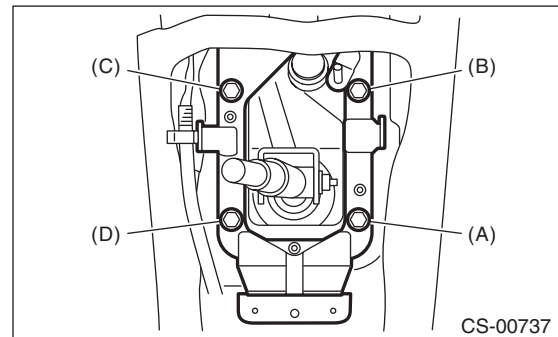
8) Install the rear exhaust pipe. <Ref. to EX(H4SO)-10, INSTALLATION, Rear Exhaust Pipe.>

9) Install the plate COMPL to the body.

Tightening torque:

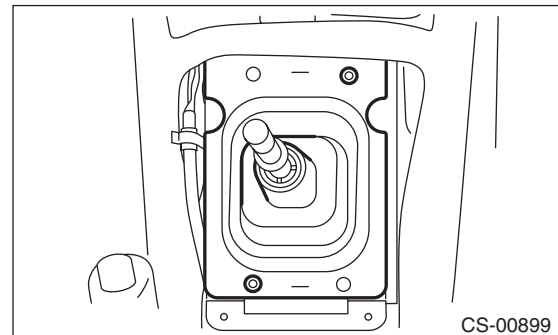
18 N·m (1.8 kgf·m, 13.3 ft-lb)

- (1) Set the plate COMPL to the vehicle.
- (2) Temporarily tighten the bolt (A).
- (3) Tighten the bolt (B).
- (4) Tighten the bolt (A).
- (5) Tighten the bolts (C) and (D).



10) Install the harness clamp to the plate.

11) Install the boot and insulator assembly, and secure with a clamp.



12) Install the console cover and console box. <Ref. to EI-46, INSTALLATION, Console Box.>

13) Install the console front panel and console boot.

14) Install the gear shift knob.

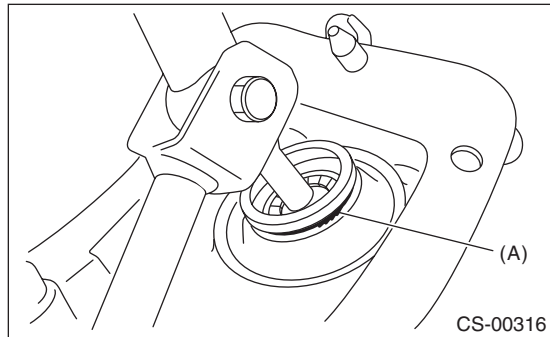
15) Make sure the gears can be shifted accurately into each gear.

MT Gear Shift Lever

CONTROL SYSTEMS

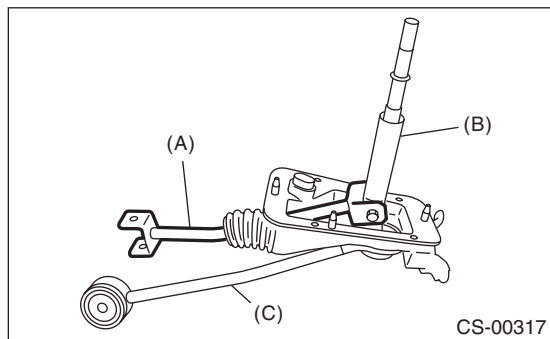
C: DISASSEMBLY

1) Remove the lock wires.



(A) Lock wire

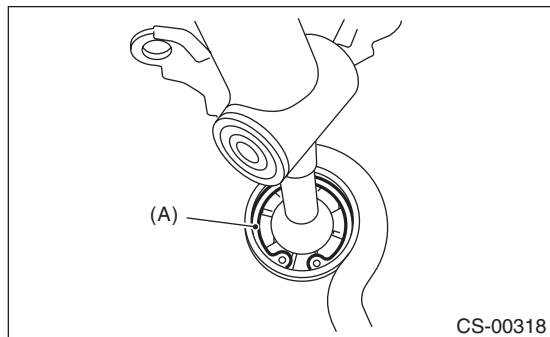
2) Remove the rod from lever.



(A) Rod
(B) Lever
(C) Stay

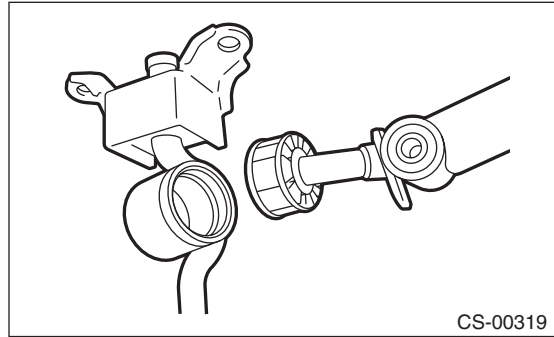
3) Separate the rod and inner boot.

4) Remove the snap ring from the stay.

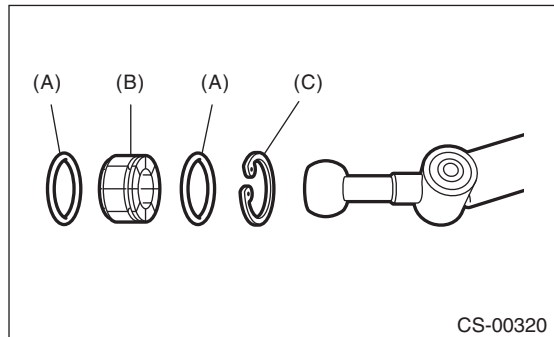


(A) Snap ring

5) Separate the gear shift lever and the stay.

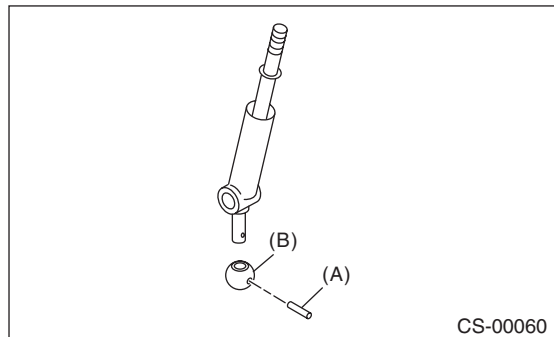


6) Remove the boot, bushing and snap ring from gear shift lever.



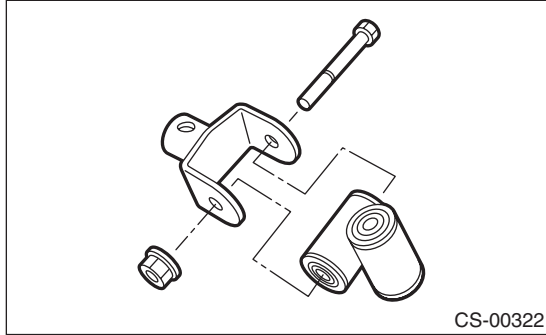
(A) O-ring
(B) Bushing
(C) Snap ring

7) Remove the spring pin, and then remove the bushing and snap ring.

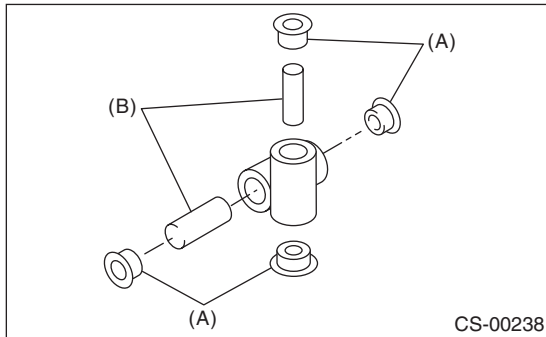


(A) Spring pin
(B) Bushing

8) Remove the boss from the joint.

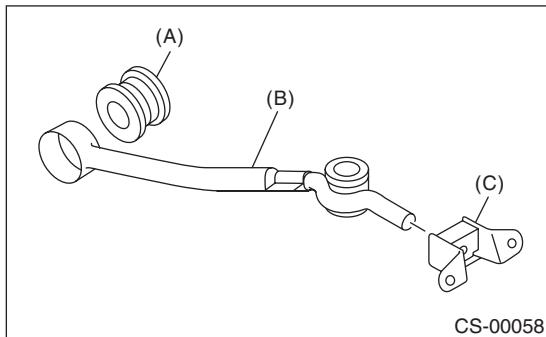


9) Remove the bushing and spacer from the boss.



- (A) Bushing
- (B) Spacer

10) Remove the bushing and cushion rubber from the stay.



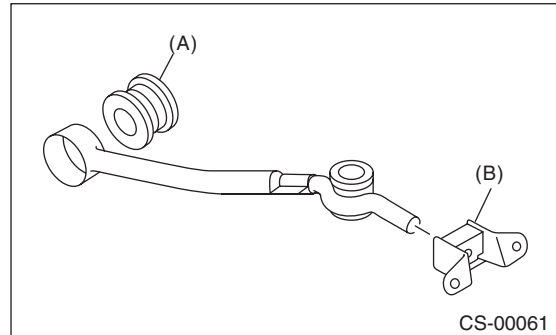
- (A) Bushing B
- (B) Stay
- (C) Cushion rubber

D: ASSEMBLY

NOTE:

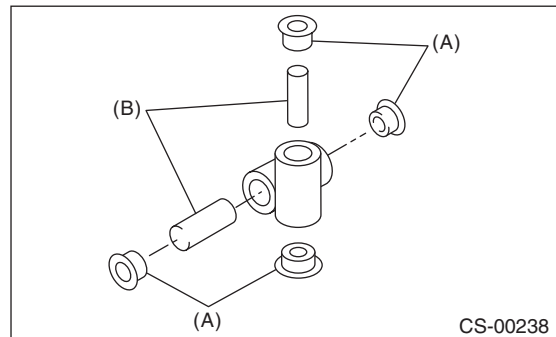
- Clean all the parts before assembly.
- Apply NIGTIGHT LYW No. 2 grease or equivalent to each part. <Ref. to CS-4, 5MT GEAR SHIFT LEVER, COMPONENT, General Description.>

1) Mount the bushing and cushion rubber to the stay.



- (A) Bushing
- (B) Cushion rubber

2) Install the bushing and spacer to boss.

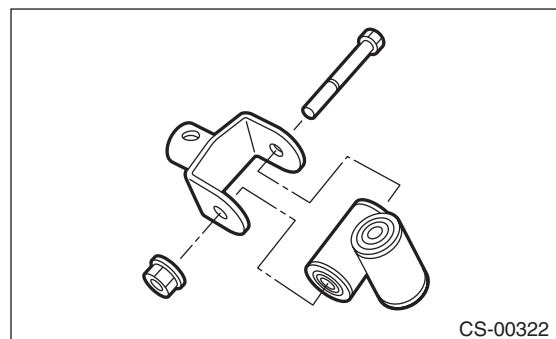


- (A) Bushing
- (B) Spacer

3) Using new self-locking nuts, install the boss to the joint.

Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)



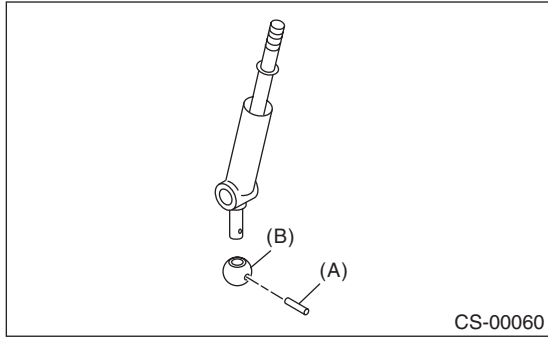
MT Gear Shift Lever

CONTROL SYSTEMS

4) Install the snap ring to gear shift lever and install the bushing.

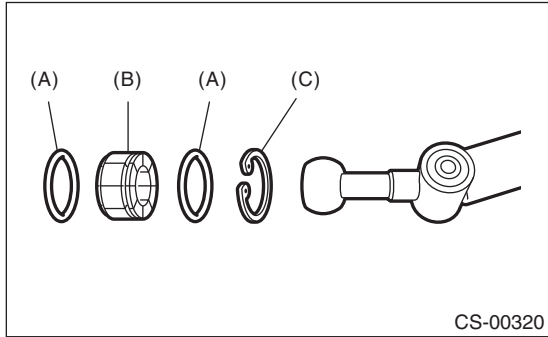
NOTE:

Apply grease to the bushing.



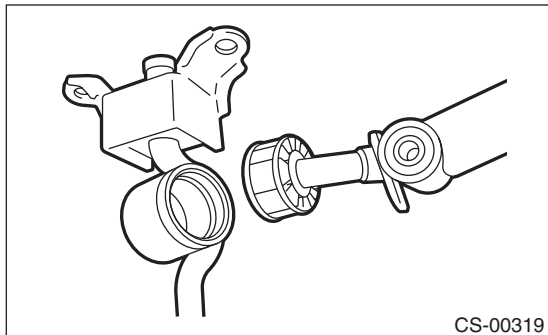
- (A) Spring pin
- (B) Bushing

5) Apply grease to the bushing and O-ring, and then install to gear shift lever.

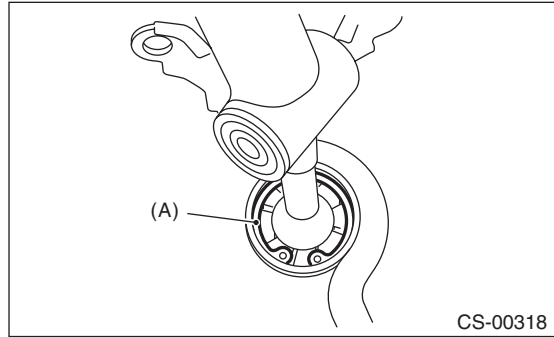


- (A) O-ring
- (B) Bushing
- (C) Snap ring

6) Apply sufficient grease into boss, and then install the gear shift lever to the stay.



7) Install the washer and snap ring.



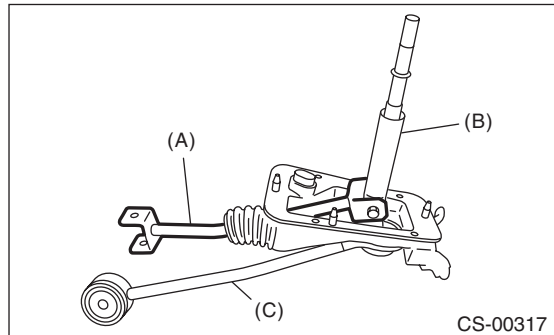
- (A) Snap ring

8) Insert the gear shift lever and rod into boot hole.

9) Install the rod.

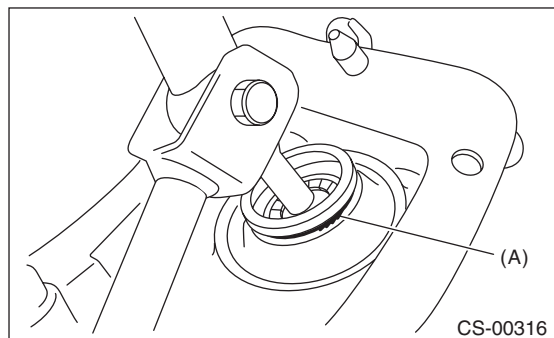
Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)



- (A) Rod
- (B) Lever
- (C) Stay

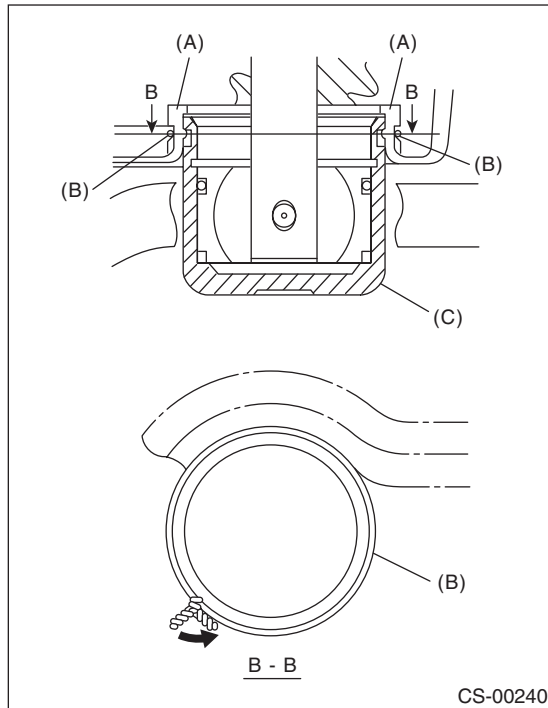
10) Install a new lock wire.



- (A) Lock wire

NOTE:

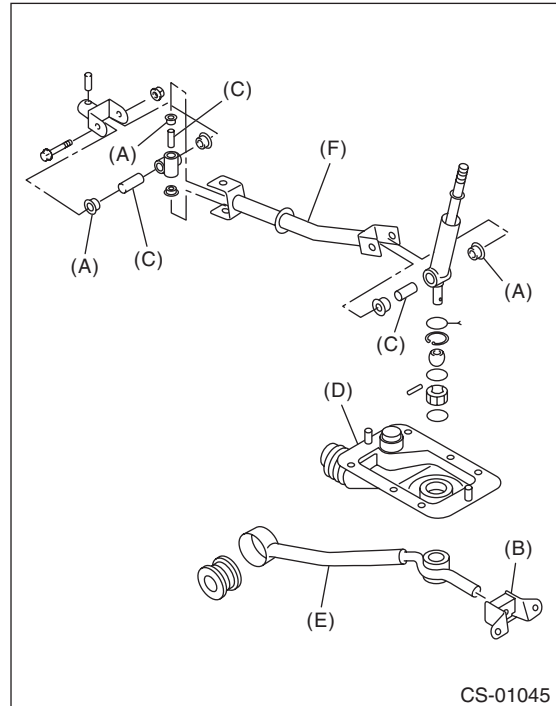
- Install the lock wire to the stay groove.
- Bend the extra wire to the same direction of lock wire winding.



- (A) Inner boot
- (B) Lock wire
- (C) Stay

E: INSPECTION

1) Check the parts (bushing, cushion rubber, spacer, boot, stay and rod, etc.) for deformation, damage and wear. If necessary, correct or replace faulty parts. Compare the removed parts with new parts to judge if there are damages or not.

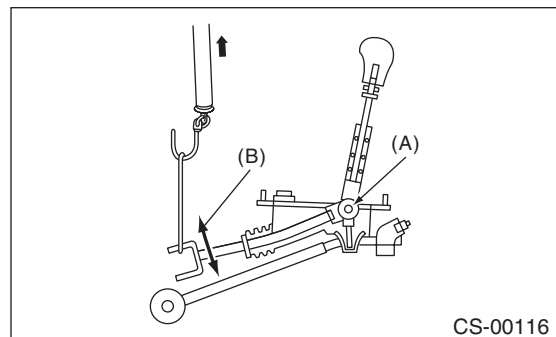


- (A) Bushing
- (B) Cushion rubber
- (C) Spacer
- (D) Boot
- (E) Stay
- (F) Rod

2) Check the swing torque of rod linked with the gear shift lever. If the torque exceeds the specifications, replace the bushing or retighten nuts.

Swing torque:

3.7 N (0.38 kgf, 0.83 lbf) or less



- (A) Pivot
- (B) Swing torque