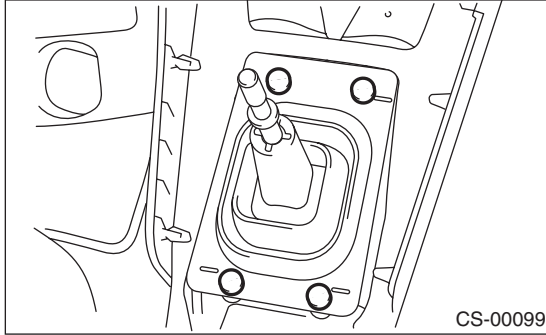


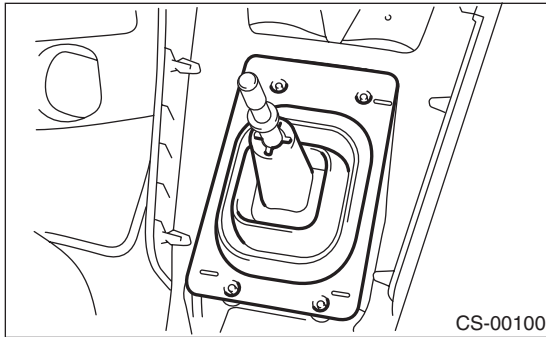
8. MT Gear Shift Lever

A: REMOVAL

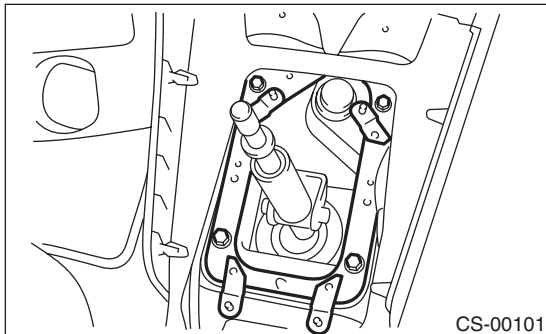
- 1) Set the vehicle on a lift.
- 2) Remove the gear shift knob.
- 3) Disconnect the ground cable from the battery.
- 4) Remove the console box. <Ref. to EI-38, REMOVAL, Console Box.>
- 5) Remove the clamp.



- 6) Remove the bushing and insulator assembly.

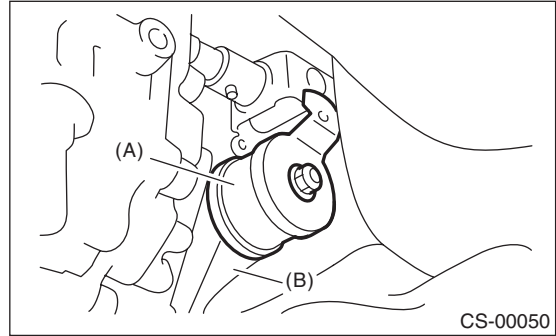


- 7) Remove the plate COMPL from vehicle body.



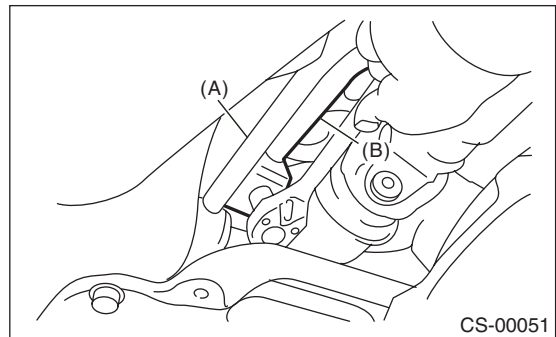
- 8) Lift-up the vehicle.
- 9) Remove the rear exhaust pipe and muffler.
Non-turbo model
<Ref. to EX (H4SO)-8, REMOVAL, Rear Exhaust Pipe.> <Ref. to EX (H4SO)-9, REMOVAL, Muffler.>
Turbo model
<Ref. to EX(H4DOTC)-13, REMOVAL, Rear Exhaust Pipe.> <Ref. to EX(H4DOTC)-15, REMOVAL, Muffler.>

- 10) Remove the stay from transmission bracket.



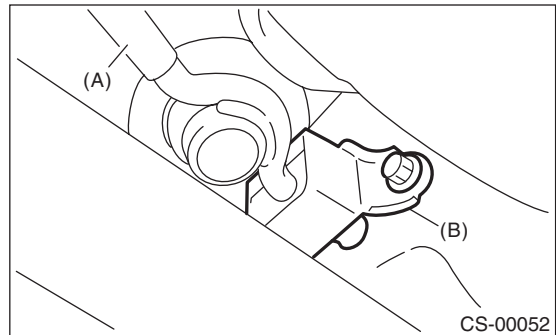
- (A) Stay
(B) Transmission bracket

- 11) Remove the rod from joint.



- (A) Stay
(B) Rod

- 12) Remove the cushion rubber from vehicle body.

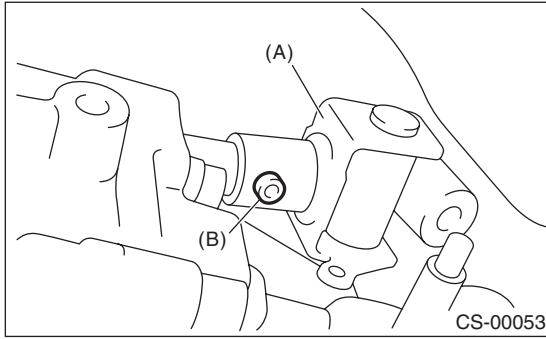


- (A) Stay
(B) Cushion rubber

MT Gear Shift Lever

CONTROL SYSTEMS

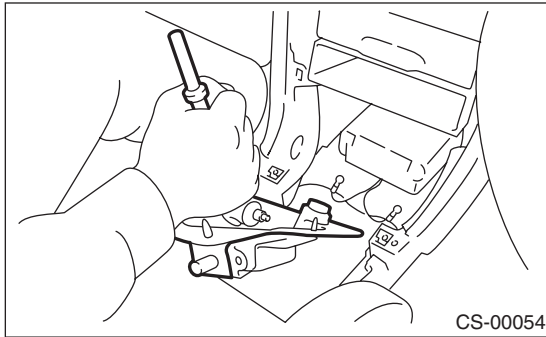
13) Remove the spring pin, and then extract the joint.



- (A) Joint
- (B) Spring pin

14) Lower the vehicle.

15) Remove the lever COMPL.



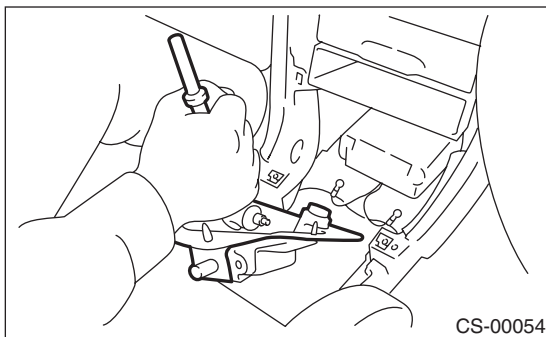
B: INSTALLATION

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

2) Insert the lever COMPL from room side.

NOTE:

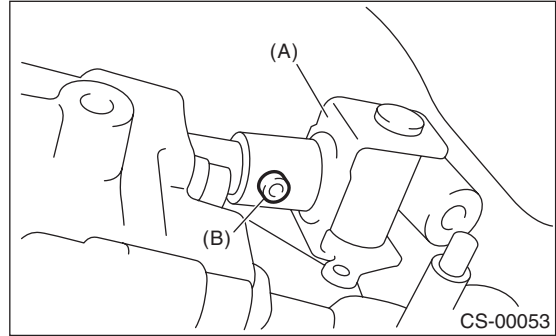
After inserting the rod and stay, temporarily put them onto transmission mount.



3) Lift-up the vehicle.

4) Install the joint to the shifter arm.

5) Insert the spring pin.

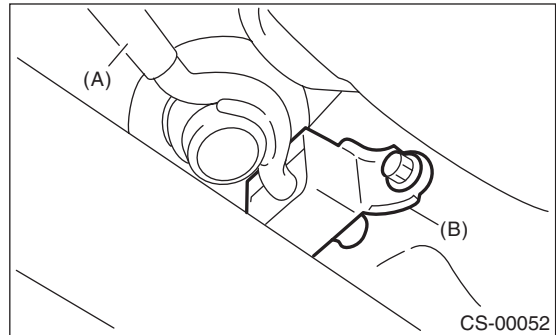


- (A) Joint
- (B) Spring pin

6) Mount the cushion rubber on the body.

Tightening torque:

18 N·m (1.8 kgf-m, 13.0 ft-lb)

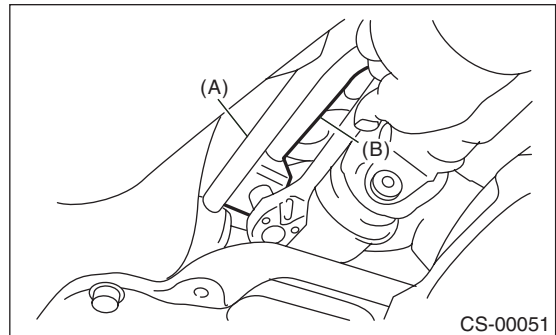


- (A) Stay
- (B) Cushion rubber

7) Connect the rod to the joint.

Tightening torque:

12 N·m (1.2 kgf-m, 8.9 ft-lb)

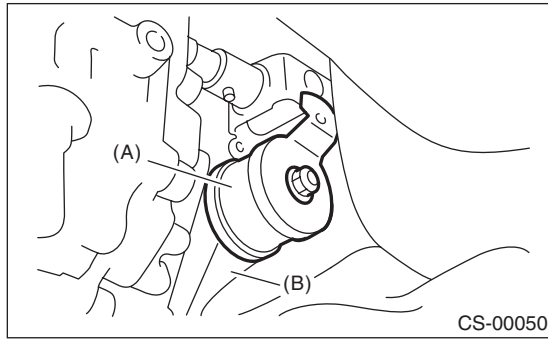


- (A) Stay
- (B) Rod

8) Connect the stay to the transmission bracket.

Tightening torque:

18 N·m (1.8 kgf·m, 13.0 ft·lb)



- (A) Stay
- (B) Transmission bracket

9) Install the rear exhaust pipe and muffler.

Non-turbo model

<Ref. to EX (H4SO)-8, INSTALLATION, Rear Exhaust Pipe.> <Ref. to EX (H4SO)-9, INSTALLATION, Muffler.>

Turbo model

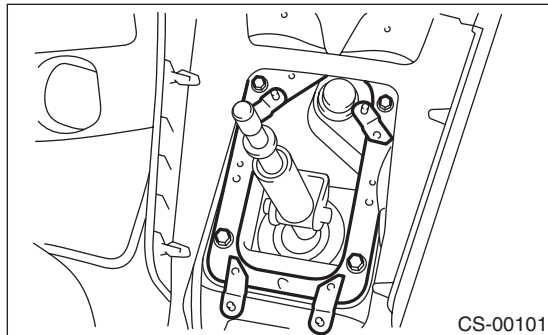
<Ref. to EX(H4DOTC)-14, INSTALLATION, Rear Exhaust Pipe.> <Ref. to EX(H4DOTC)-15, INSTALLATION, Muffler.>

10) Lower the vehicle.

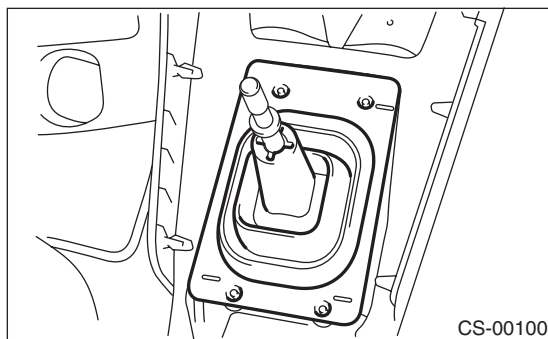
11) Install the plate COMPL to body.

Tightening torque:

7.5 N·m (0.76 kgf·m, 5.5 ft·lb)



12) Install the boot and insulator assembly to vehicle in the proper direction.

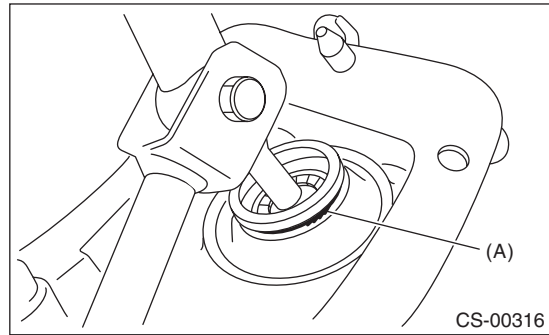


13) Install the clamp.

14) Install the console box. <Ref. to EI-38, INSTALLATION, Console Box.>

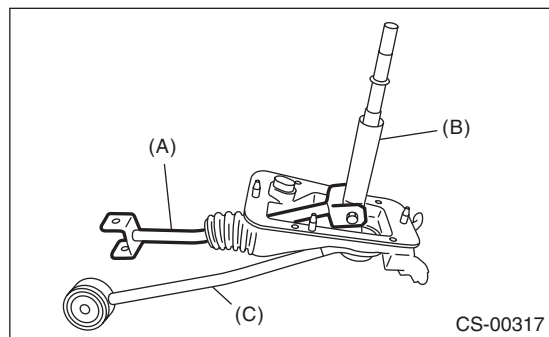
C: DISASSEMBLY

1) Remove the lock wires.



- (A) Lock wire

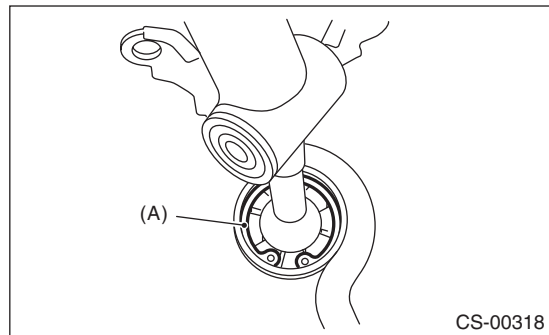
2) Remove the rod from lever.



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

3) Separate the rod and inner boot.

4) Remove the snap ring from the stay.

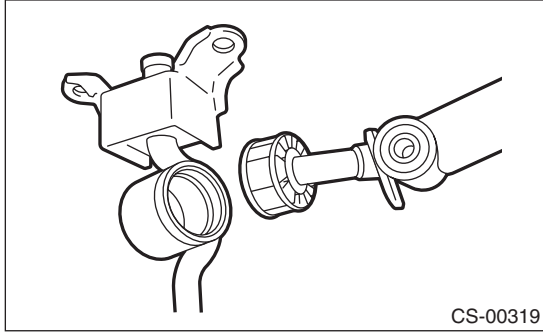


- (A) Snap ring

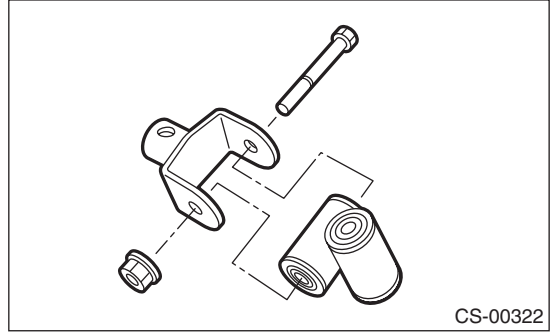
MT Gear Shift Lever

CONTROL SYSTEMS

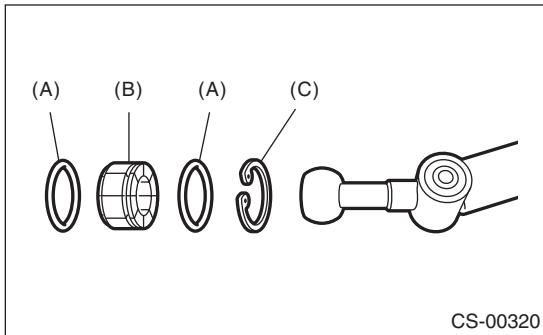
5) Separate the gear shift lever and the stay.



8) Remove the boss from the joint.

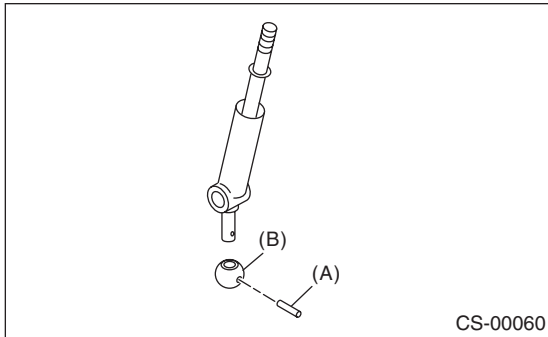


6) Remove the boot, bushing and snap ring from gear shift lever.



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

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

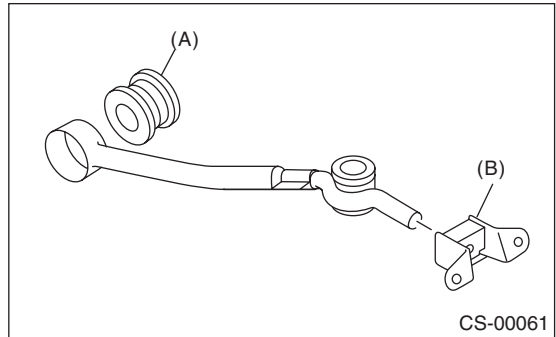


- (A) Spring pin
- (B) Bushing

D: ASSEMBLY

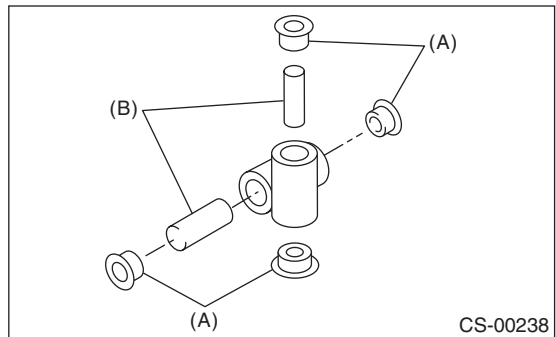
NOTE:

- Clean all the parts before assembly.
 - Apply grease [KOPR-KOTE (Part No. 003603001) or equivalent] to each part.
- 1) Mount the bushing and cushion rubber to the stay.



- (A) Bushing
- (B) Cushion rubber

2) Install the bushing and spacer to boss.

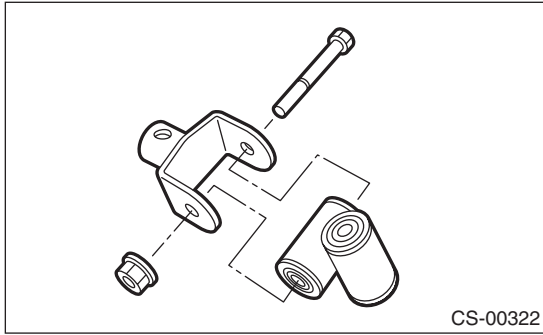


- (A) Bushing
- (B) Spacer

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

Tightening torque:

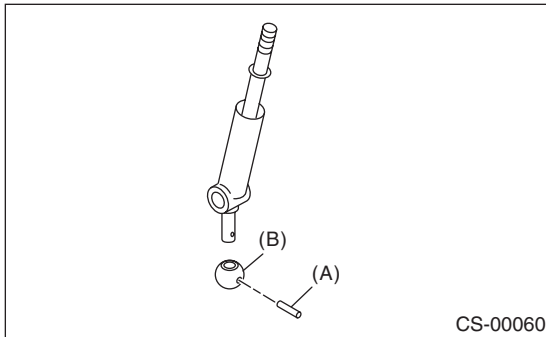
12 N·m (1.2 kgf-m, 8.9 ft-lb)



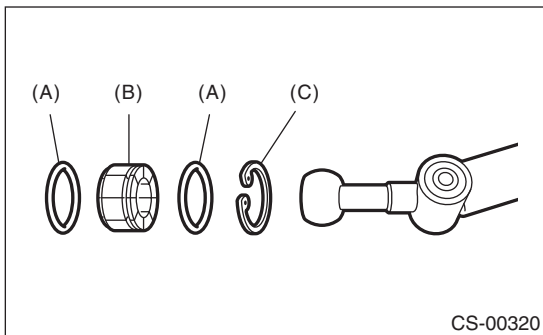
4) Install the snap ring to gear shift lever and install the bushing.

NOTE:

Apply grease to the bushing.

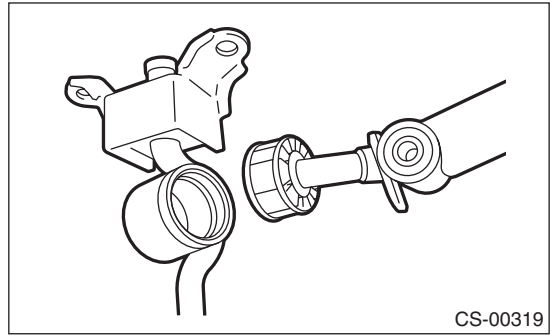


5) Apply grease to the bushing and O-ring, and then install to gear shift lever.

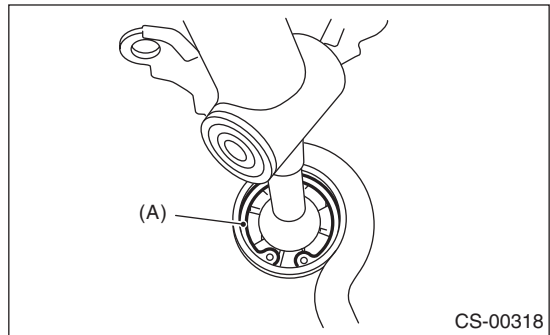


- (A) O-ring
- (B) Bushing
- (C) Snap ring

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



7) Install the washer and snap ring.



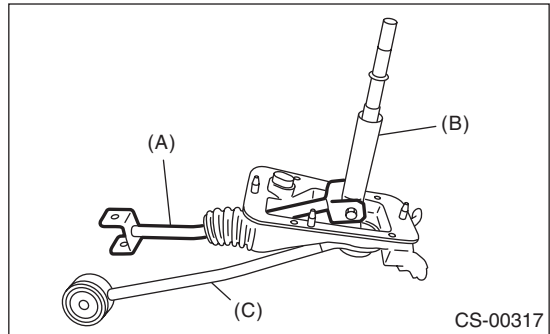
- (A) Snap ring

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

9) Install the rod.

Tightening torque:

12 N·m (1.2 kgf-m, 8.8 ft-lb)

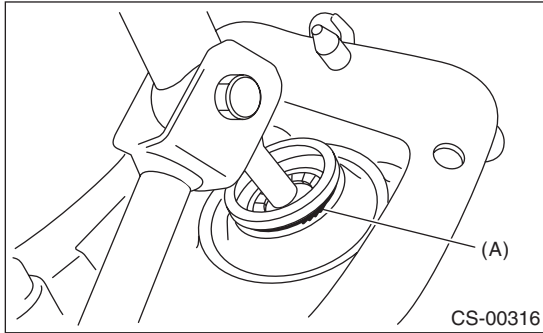


- (A) Rod
- (B) Lever
- (C) Stay

MT Gear Shift Lever

CONTROL SYSTEMS

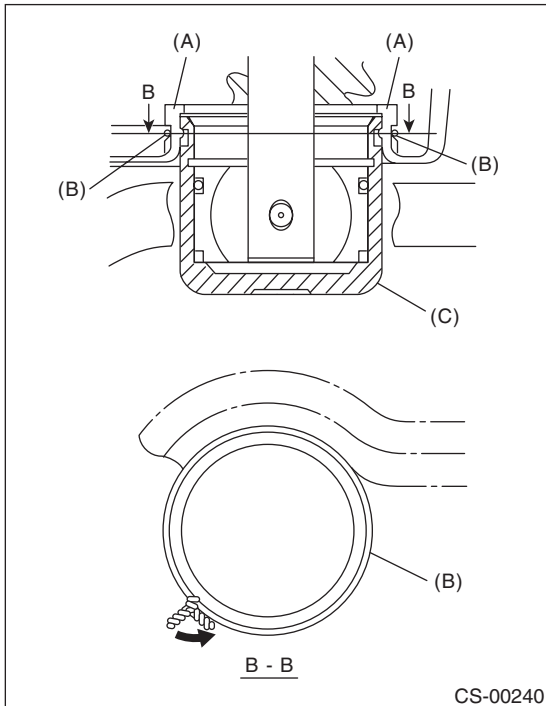
10) Install a new lock wire.



(A) Rod

NOTE:

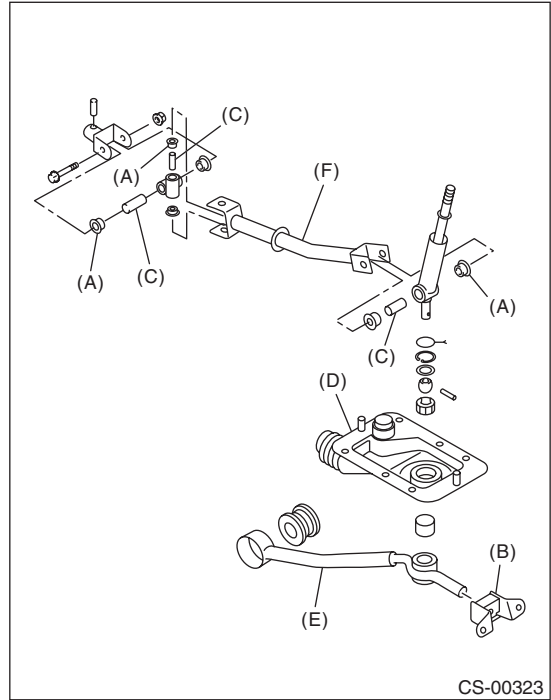
- Install the lock wire to the stay groove.
- Bend the extra wire to the same direction of lock wire winding.



(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, repair or replace faulty parts. Compare the removed parts with new parts to judge if there are damages or not.

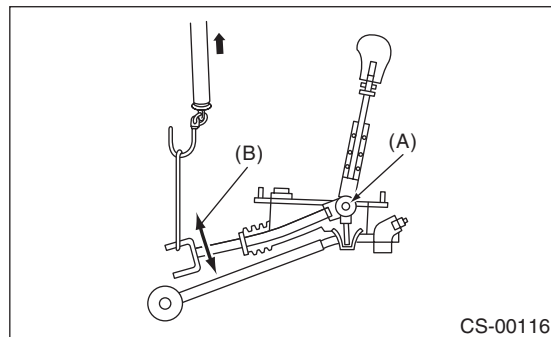


(A) Bushing
(B) Cushion rubber
(C) Spacer
(D) Boot
(E) Stay
(F) Rod

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:

Less than 3.7 N (0.38 kgf, 0.84 lb)



(A) Pivot
(B) Swing torque