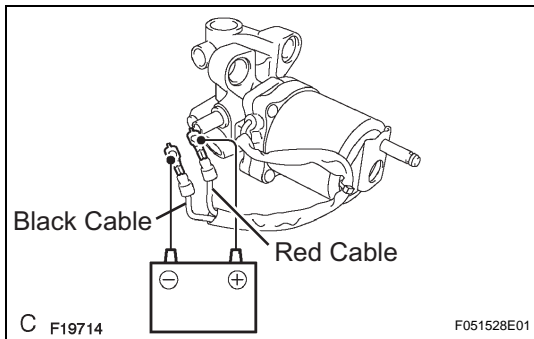


12. REMOVE BRAKE BOOSTER ACCUMULATOR ASSEMBLY

- Place the brake booster with accumulator pump assembly in a vise with a cloth.
- Using a socket wrench (17 mm), remove the brake booster accumulator.
- Remove the brake booster accumulator pipe, compression spring and O-ring.



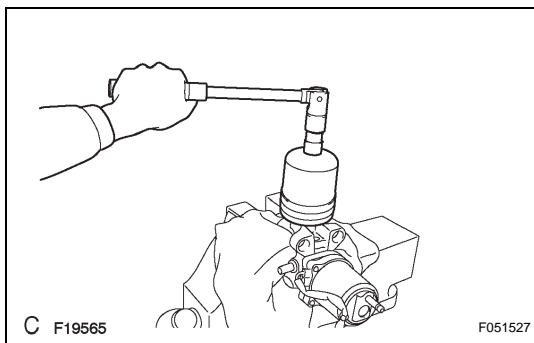
INSPECTION

1. INSPECT BRAKE BOOSTER PUMP ASSEMBLY

- Connect the positive (+) lead from the battery to the red cable of the pump, and the negative (-) lead to the black cable.
- Check the brake booster pump operation.

OK:

Operation sound is heard.



REASSEMBLY

1. INSTALL BRAKE BOOSTER ACCUMULATOR ASSEMBLY

- Place the brake booster pump in a vise with a cloth.
- Install the brake booster accumulator pipe, compression spring and a new O-ring.

NOTICE:

Ensure that no foreign matter enters the pump.

- Using a socket wrench (17 mm), install the brake booster accumulator onto the brake booster pump.
Torque: 57.4 N*m (585 kgf*cm, 42 ft.*lbf)

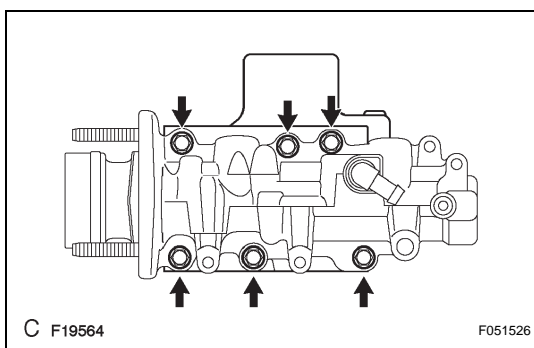
2. INSTALL MASTER CYLINDER SOLENOID

- Place a new gasket on the master cylinder solenoid and install them onto the master cylinder body with 6 new bolts.

Torque: 31.9 N*m (325 kgf*cm, 24 ft.*lbf)

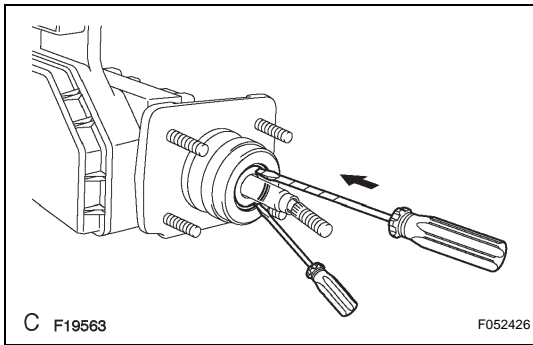
NOTICE:

Do not let water, dust, and/or other objects attach to the surface and/or attaching surface of the master cylinder solenoid, master cylinder and body gasket.



3. INSTALL PISTON

- Apply lithium soap base glycol grease to the new piston.
- Install the piston onto the master cylinder body.



- (c) Using 2 screwdrivers, install a new C-ring while pressing the piston.

NOTICE:

- If the piston is pulled out at an angle, there is a possibility that the cylinder bore could be damaged.
- Be careful not to damage the rubber lips on the piston when reassembling.

4. INSTALL MASTER CYLINDER BOOT**5. INSTALL MASTER CYLINDER PUSH ROD CLEVIS**

- (a) Install the lock nut and master cylinder push rod clevis onto the rod operating adapter.
- (b) Install the hydraulic brake booster side lock nut and rod operating adapter onto the hydraulic brake booster.

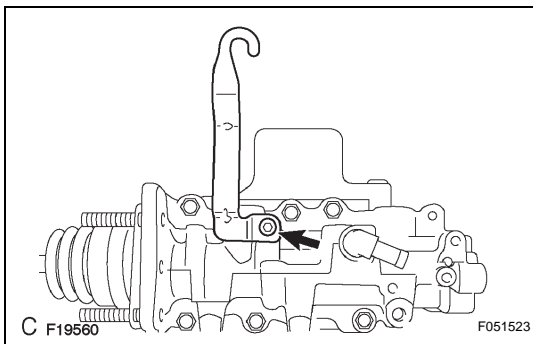
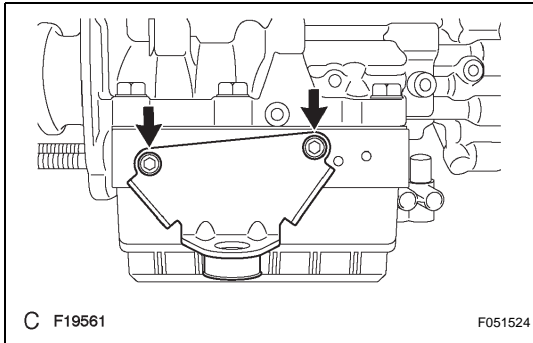
Torque: 25.5 N*m (260 kgf*cm, 19 ft.*lbf)

6. INSTALL BRAKE BOOSTER PUMP BRACKET

- (a) Using a hexagon wrench (5 mm), install the brake booster pump bracket with the 2 screws.

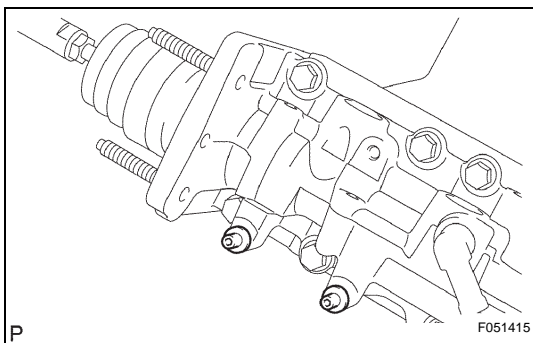
Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)

- (b) Install the bush onto the brake booster pump bracket.

**7. INSTALL BRAKE ACTUATOR BRACKET**

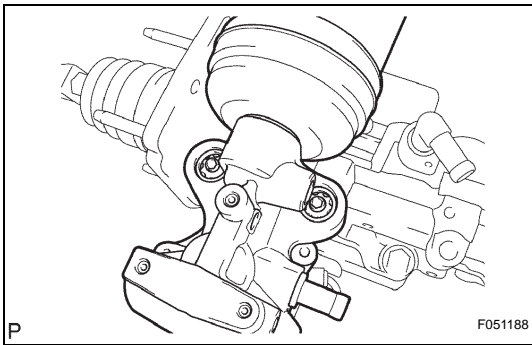
- (a) Using a hexagon wrench (5 mm), install the brake actuator bracket with the screw.

Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)

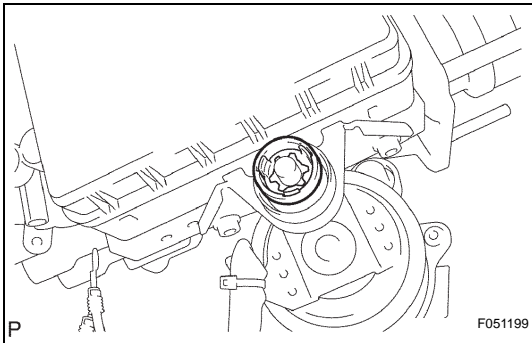
**8. INSTALL BRAKE BOOSTER WITH ACCUMULATOR PUMP ASSEMBLY**

- (a) Install the 2 collars and 2 bushes onto the brake booster w/ accumulator pump assembly.
- (b) Using a hexagon wrench (4 mm), install the 2 pins.

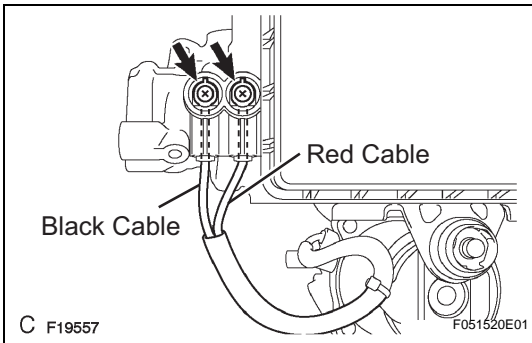
Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)



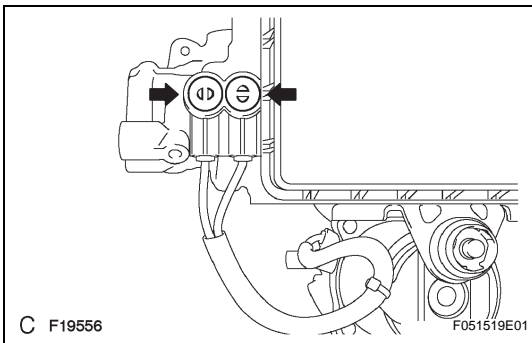
- (c) Install the brake booster w/ accumulator pump assembly.



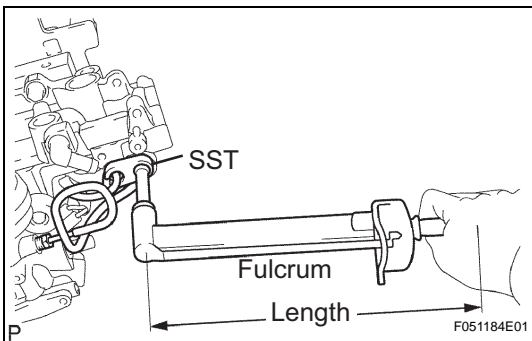
- (d) Install a new clip.



- (e) Install the wire harness with the 2 screws.
Torque: 2.9 N*m (30 kgf*cm, 26 in.*lbf)



- (f) Install the 2 new plugs.



9. INSTALL BRAKE ACTUATOR TUBE NO. 1

- (a) Using SST, install the brake actuator tube No. 1.

SST 09023-00101

Torque: for use without SST

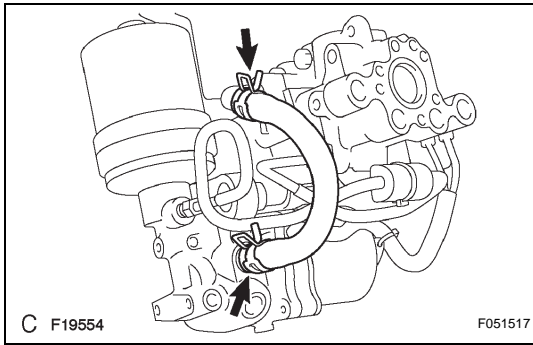
15.2 N*m (155 kgf*cm, 11 ft.*lbf)

for use with SST

14 N*m (143 kgf*cm, 10 ft.*lbf)

HINT:

- Use a torque wrench with a fulcrum length of 250 mm (9.84 in.).

**10. INSTALL BRAKE ACTUATOR HOSE**

- (a) Using needle-nose pliers, install the brake actuator hose and 2 clips.

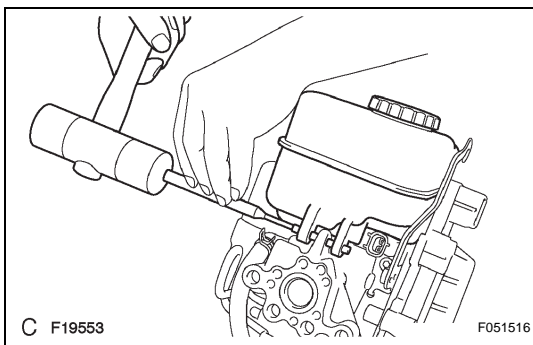
11. INSTALL BRAKE MASTER CYLINDER RESERVOIR SUB-ASSEMBLY

- (a) Install the cap.
- (b) Apply lithium soap base glycol grease to the 3 new grommets.
- (c) Install the 3 grommets to the master cylinder body.

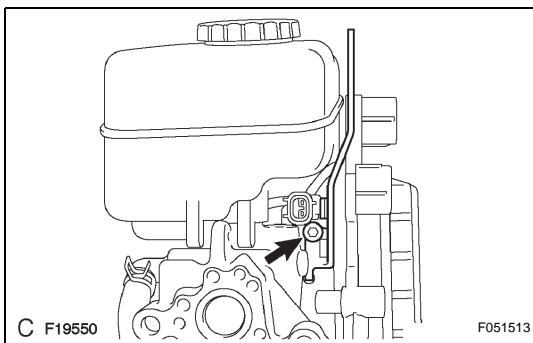
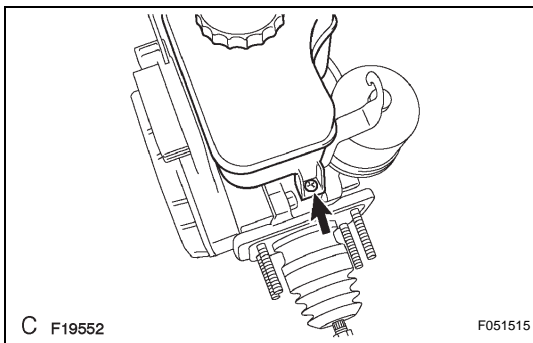
NOTICE:

Be careful of the size of each grommets.

- (d) Install the master cylinder reservoir.
- (e) Using a pin punch and hammer, install a new pin onto the master cylinder reservoir.



- (f) Install the screw onto the master cylinder reservoir.
Torque: 1.7 N*m (17 kgf*cm, 15 in.*lbf)

**12. INSTALL BRAKE ACTUATOR BRACKET NO. 1**

- (a) Install the fluid level warning switch connector.
- (b) Using a hexagon wrench (5 mm), install the brake actuator bracket No. 1 with the screw.

Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)