

BRAKE MASTER CYLINDER SUB-ASSY REPLACEMENT

320YE-01

HINT:

COMPONENTS: See page 32-18

1. DRAIN BRAKE FLUID

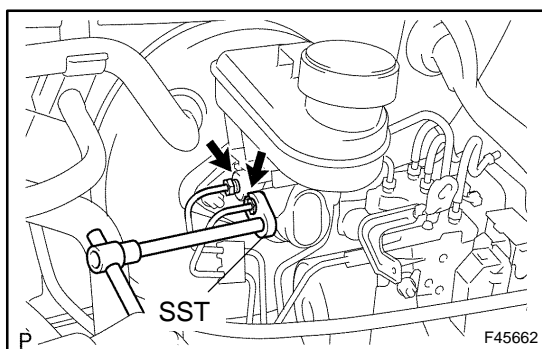
NOTICE:

Wash the brake fluid off immediately if it adheres to any painted surfaces.

2. REMOVE AIR CLEANER CAP SUB-ASSY

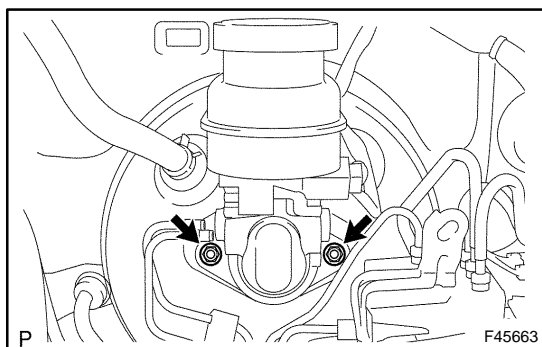
3. DISCONNECT CLUTCH RESERVOIR TUBE (M/T TRANSAXLE)

- (a) Slide the clip and disconnect the clutch reservoir tube.

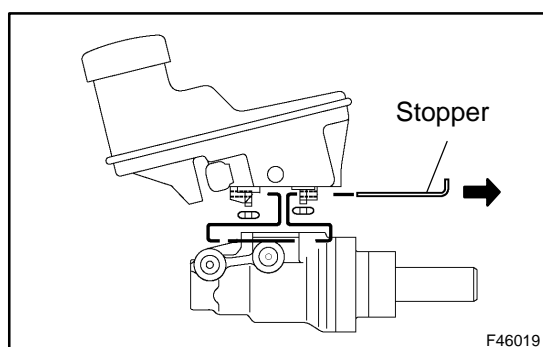


4. REMOVE BRAKE MASTER CYLINDER

- (a) Disconnect the level warning light switch connector.
 (b) Using SST, disconnect the 2 brake lines from the brake master cylinder.
 SST 09023-00100

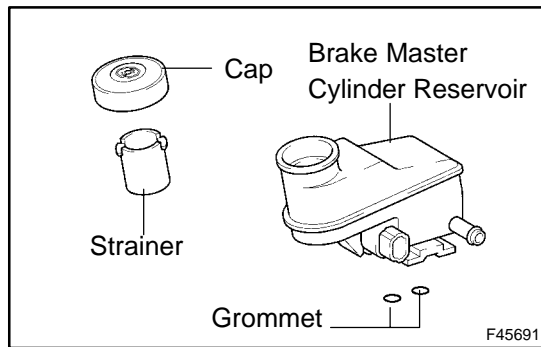


- (c) Remove the 2 nuts, and pull out the brake master cylinder.

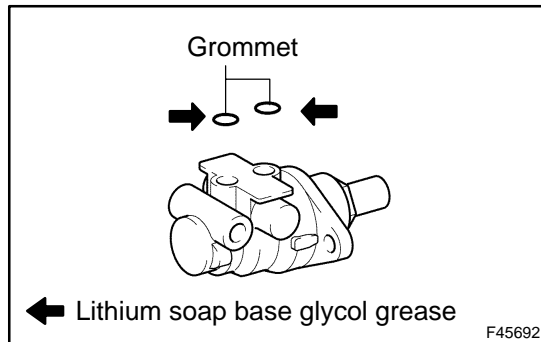


5. REMOVE BRAKE MASTER LESS RESERVOIR TANK CYLINDER SUB-ASSY

- (a) Pull out the brake master cylinder reservoir tank stopper.

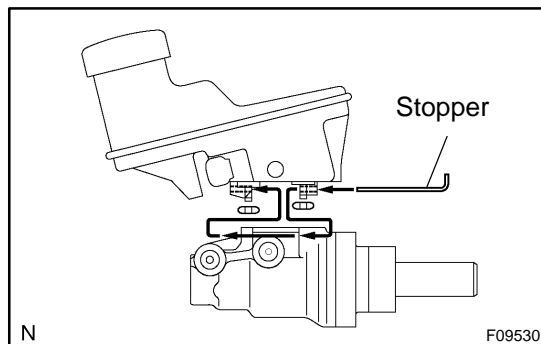


- (b) Remove the brake master cylinder reservoir and 2 grommets.
- (c) Remove the cap and strainer from the brake master cylinder reservoir.



6. INSTALL BRAKE MASTER LESS RESERVOIR TANK CYLINDER SUB-ASSY

- (a) Apply lithium soap base glycol grease to the 2 grommets and install them onto the brake master less reservoir tank cylinder.
- (b) Install the cap and strainer to the brake master cylinder reservoir.



- (c) Install the brake master cylinder reservoir assy with the brake master cylinder reservoir tank stopper.

NOTICE:

Install the stopper securely to the groove of the reservoir and master cylinder.

7. INSPECT AND ADJUST BRAKE BOOSTER PUSH ROD

NOTICE:

Make an adjustment with the brake booster assy having no vacuum. (Depress the brake pedal several times with the engine stopped.)

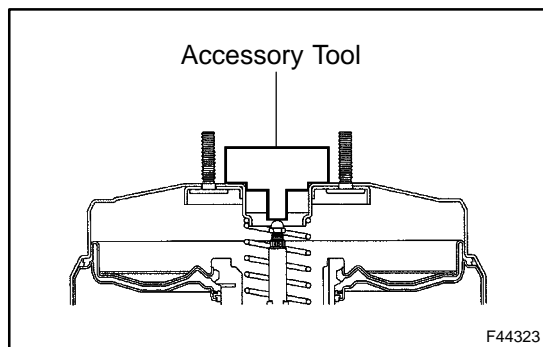
HINT:

Adjustment of the brake booster push rod is performed when the brake master cylinder sub-assy is replaced with a new one. The adjustment is not necessary when the brake master cylinder sub-assy is reinstalled and the brake booster assy is replaced with a new one.

- (a) Apply the chalk to the tip of an accessory tool.

HINT:

The accessory tool is enclosed with new brake master cylinder sub-assy.

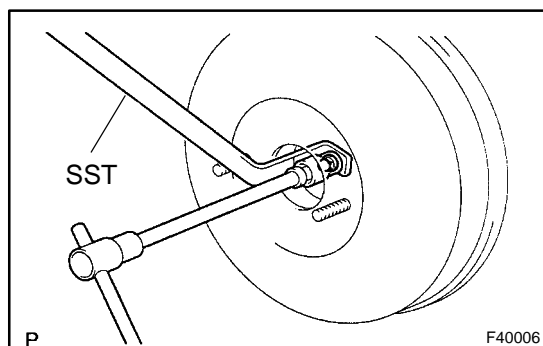


- (b) Place the accessory tool in the brake booster assy.
 (c) Measure the clearance between the brake booster push rod and accessory tool.
Clearance: 0 mm (0 in.)

HINT:

Adjust the clearance in the following cases:

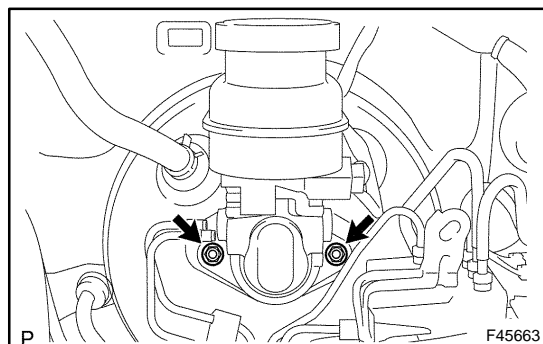
- If there is a clearance between the accessory tool and the shell of the brake booster (floating accessory tool), the clearance is too small.
- If the chalk does not stick on the tip of the brake booster push rod, the clearance is large.



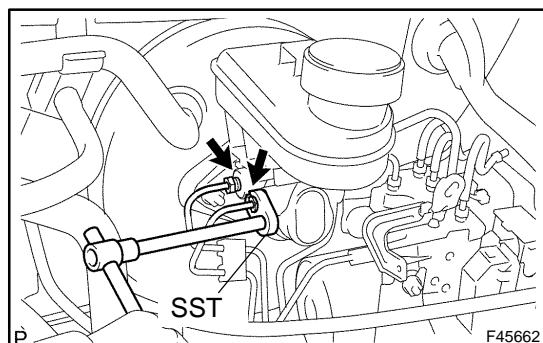
- (d) If clearance is outside of the specified range, fix the push rod using SST and adjust the length of the protruding adjusting bolt.
 SST 09737-00020

HINT:

When adjusting the push rod, depress the brake pedal sufficiently so that the push rod sticks out.

**8. INSTALL BRAKE MASTER CYLINDER**

- (a) Install the brake master cylinder to the booster with the 2 nuts.
Torque: 13 N·m (127 kgf·cm, 9 ft·lbf)



- (b) Using SST, connect the 2 brake lines to the brake master cylinder.
 SST 09023-00100
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)
 (c) Connect the level warning light switch connector.

9. CONNECT CLUTCH RESERVOIR TUBE (M/T TRANSAXLE)

- (a) Slide the clip and connect the clutch reservoir tube.

10. INSTALL AIR CLEANER CAP SUB-ASSY**11. FILL RESERVOIR WITH BRAKE FLUID (See page 32-4)**

12. BLEED MASTER CYLINDER (See page 32-4)
13. BLEED CLUTCH LINE (M/T TRANSAXLE) (See page 42-9)
14. CHECK FLUID LEVEL IN RESERVOIR (See page 32-4)
15. CHECK FOR BRAKE FLUID LEAKAGE