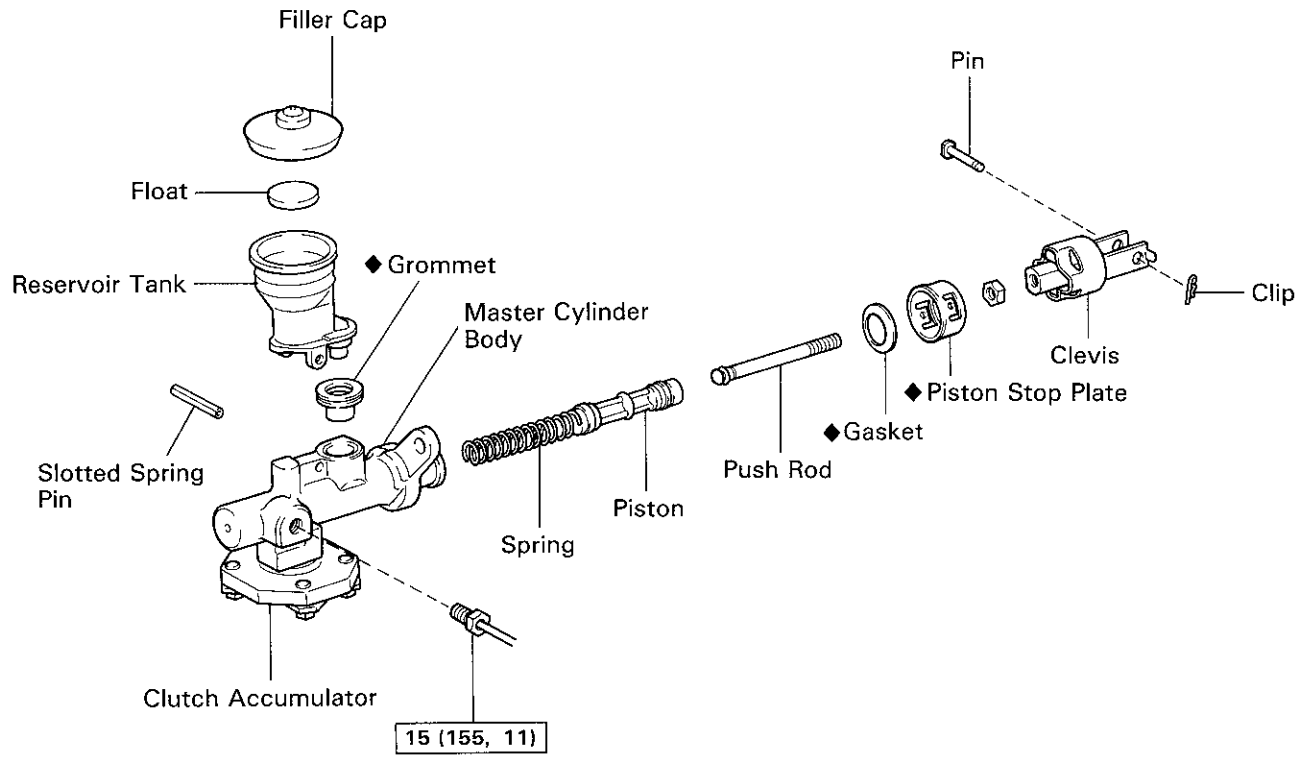
CLUTCH MASTER CYLINDER

COMPONENTS

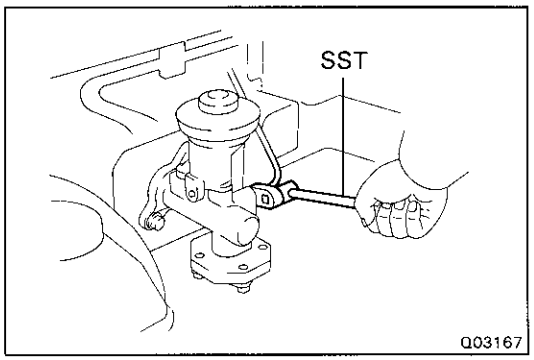
1FZ-FE Engine



N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

Q03157



CLUTCH MASTER CYLINDER REMOVAL

REMOVE MASTER CYLINDER

(a) Draw out fluid with syringe.

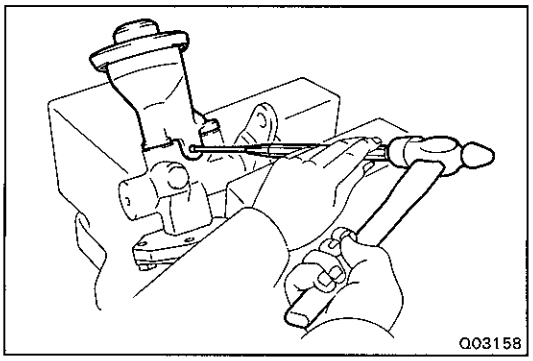
(b) Using SST, disconnect the clutch tube.
SST 09023-00100

(c) Remove the clip, clevis pin and return spring.

(d) Remove the nut from the room side.

(e) Remove the nut from the engine room side.

(f) Pull out the master cylinder.

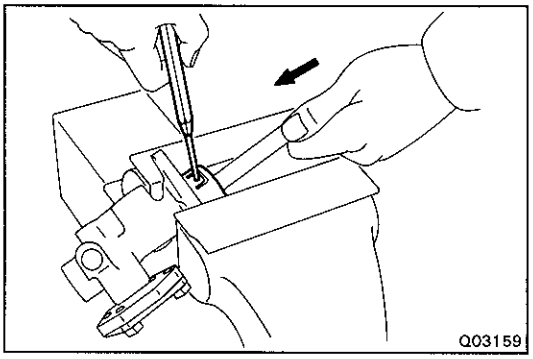


MASTER CYLINDER DISASSEMBLY

1. **REMOVE RESERVOIR TANK**

(a) Using a pin punch and a hammer, drive out the slotted spring pin.

(b) Remove reservoir tank and grommet.



2. **REMOVE PUSH ROD**

(a) Using a pin punch, loosen the staked part of the plate.

(b) Remove the piston stop plate, gasket and the push rod.

3. **REMOVE PISTON**

MASTER CYLINDER INSPECTION

HINT: Clean the disassembled parts with compressed air.

1. **INSPECT MASTER CYLINDER BORE FOR SCORING OR CORROSION**

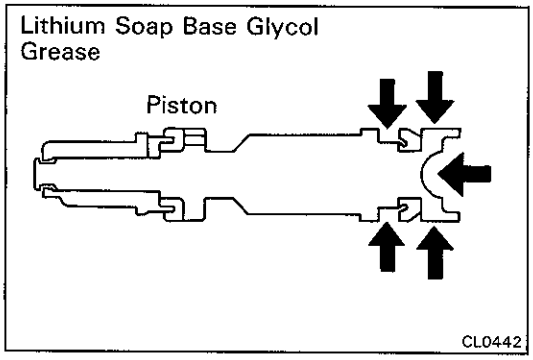
If a problem is found, clean or replace the cylinder.

2. **INSPECT PISTON AND CUPS FOR WEAR, SCORING, CRACKS OR SWELLING**

If either one requires replacement, use the parts from the cylinder kit.

3. **INSPECT PUSH ROD FOR WEAR OR DAMAGE**

If necessary, replace the push rod.

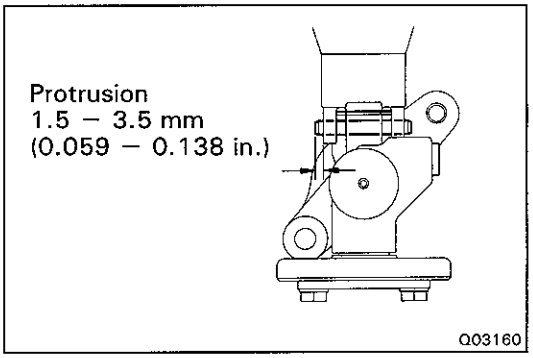


MASTER CYLINDER ASSEMBLY

1. **COAT PARTS WITH LITHIUM SOAP BASE GLYCOL GREASE AS SHOWN**

2. **INSERT PISTON INTO CYLINDER**

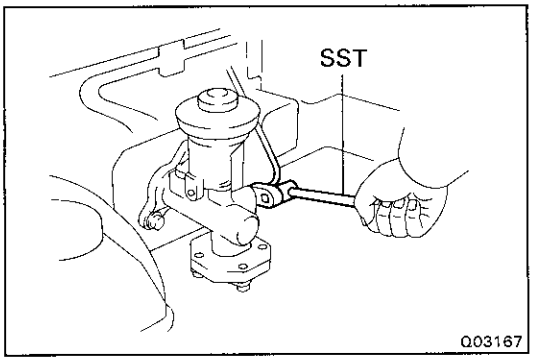
3. **INSTALL PUSH ROD ASSEMBLY WITH NEW STOP PLATE AND NEW GASKET**



4. **INSTALL RESERVOIR TANK**

(a) Install reservoir tank and new grommet.

(b) Using a pin punch and a hammer, drive in the slotted spring pin.



MASTER CYLINDER INSTALLATION

1. **INSTALL MASTER CYLINDER**

Install the mounting nut, and torque them.

Torque: 7.8 N·m (80 kgf·cm, 69 in.·lb)

2. **CONNECT CLUTCH LINE UNION**

Using SST, connect the union.

SST 09023-00100

3. **CONNECT PUSH ROD AND INSTALL PIN**

Install the clip in the push rod pin.

4. **BLEED SYSTEM AND ADJUST CLUTCH PEDAL**