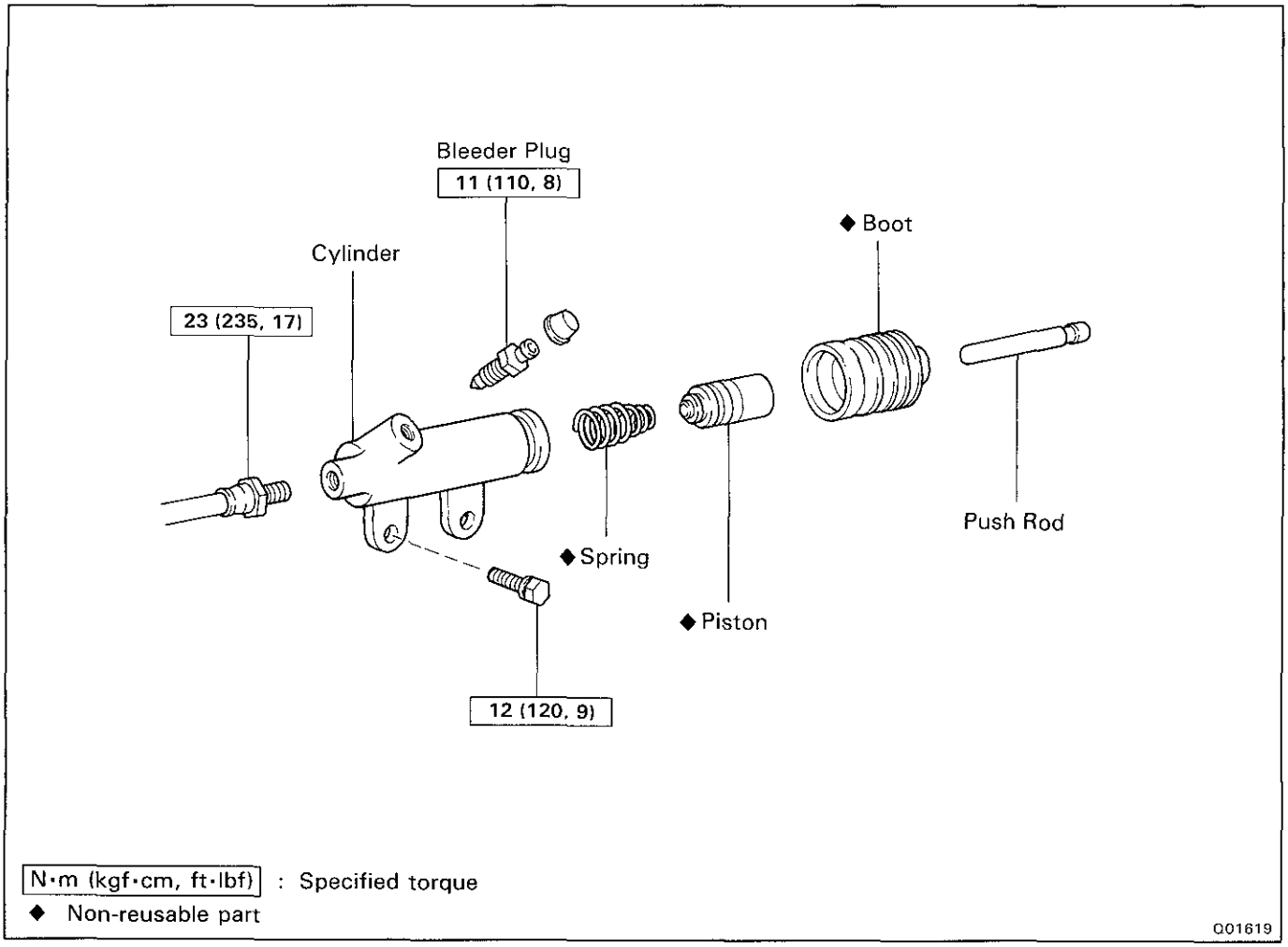
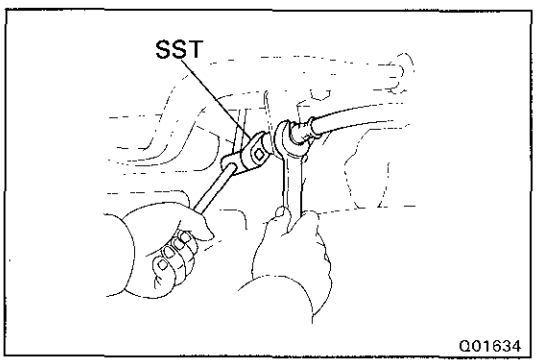
CLUTCH RELEASE CYLINDER

COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non-reusable part

Q01619

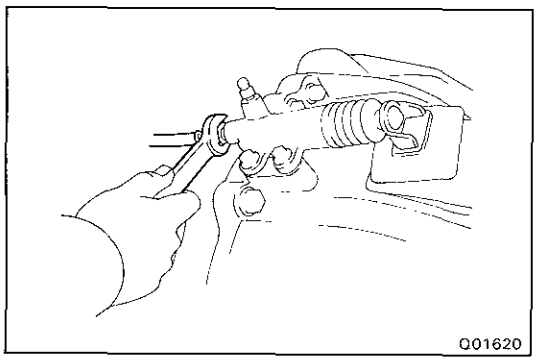


Q01634

REMOVAL OF CLUTCH RELEASE CYLINDER

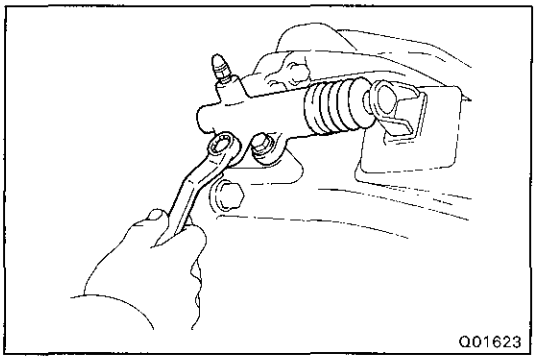
1. **REMOVE FLEXIBLE HOSE**

(a) Using SST, disconnect the union.
SST 09023-00100



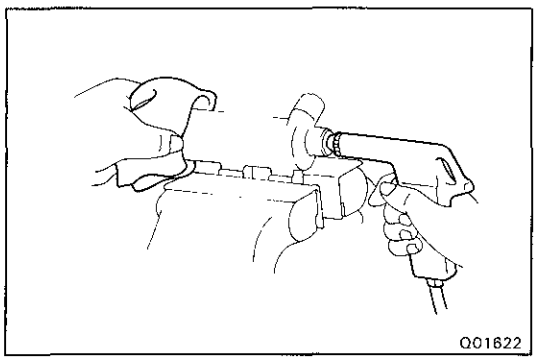
Q01620

(b) Remove the flexible hose from the release cylinder.



2. **REMOVE RELEASE CYLINDER**

Remove the two bolts and pull out the release cylinder.



DISASSEMBLY OF RELEASE CYLINDER

1. **PULL OUT BOOT WITH PUSH ROD**

2. **REMOVE PISTON WITH SPRING**

Using compressed air remove the piston with the spring from the cylinder.

INSPECTION OF RELEASE CYLINDER

HINT: Clean the disassembled parts with compressed.

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

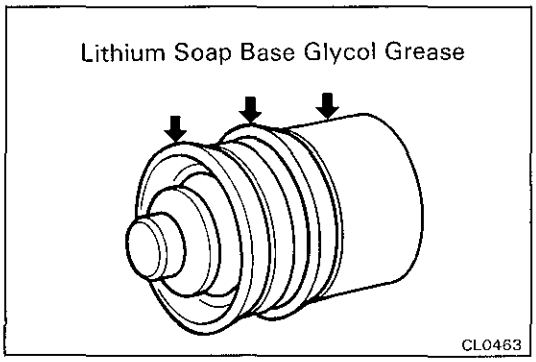
If a problem is found clean or replace the cylinder.

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

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

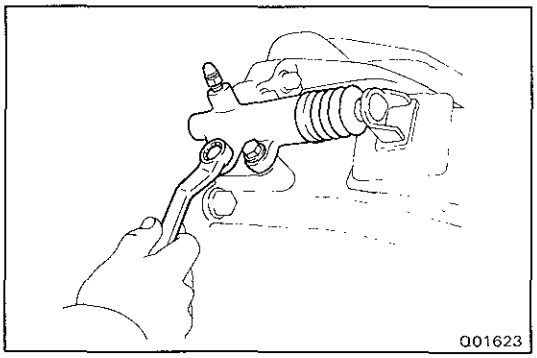
3. **INSPECT PUSH ROD FOR WEAR OR DAMAGE**

If necessary, replace the pushrod.



ASSEMBLY OF RELEASE CYLINDER

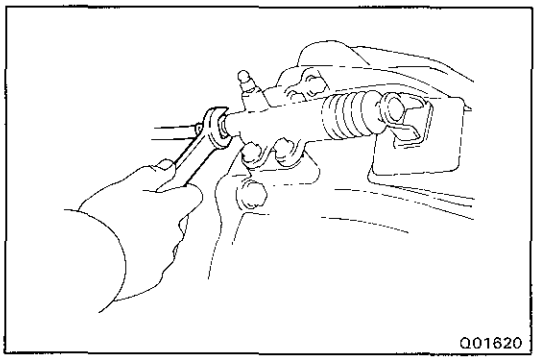
1. **COAT PISTON WITH LITHIUM SOAP BASE GLYCOL GREASE, AS SHOWN**
2. **INSTALL PISTON WITH SPRING INTO CYLINDER**
3. **INSTALL BOOT WITH PUSH ROD TO CYLINDER**



INSTALLATION OF CLUTCH RELEASE CYLINDER

1. **INSTALL RELEASE CYLINDER WITH TWO BOLTS**

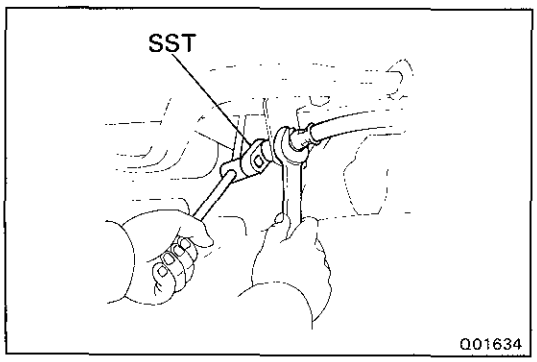
   Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



2. **INSTALL FLEXIBLE HOSE**

   (a) Install and torque the flexible hose to the release cylinder.

   Torque: 23 N·m (235 kgf·cm, 17 ft·lbf)



   (b) Using SST connect and torque the clutch line union to the flexible hose.

   HINT: First finger-tighten and then tighten to specified torque.

   SST 09023-00100

   Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)

   (c) Install the clip.

3. **BLEED CLUTCH SYSTEM**
4. **CHECK FOR LEAKS**