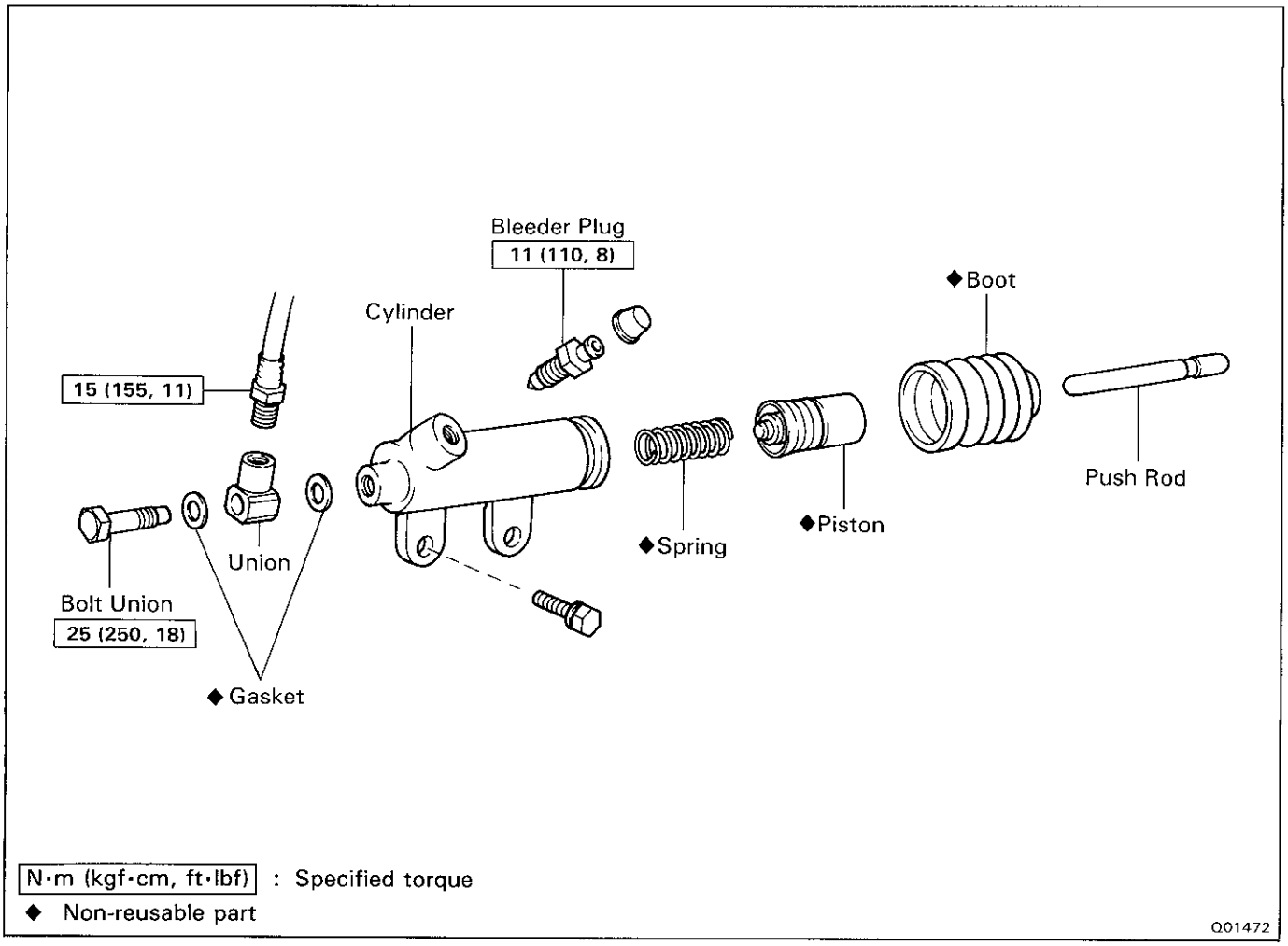
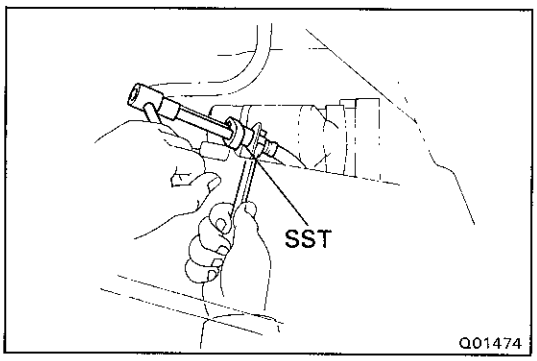
CLUTCH RELEASE CYLINDER

COMPONENTS



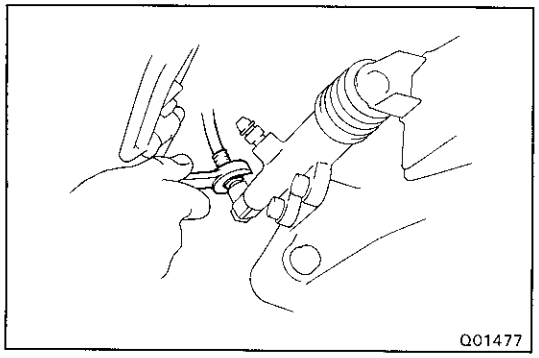


REMOVAL OF CLUTCH RELEASE CYLINDER

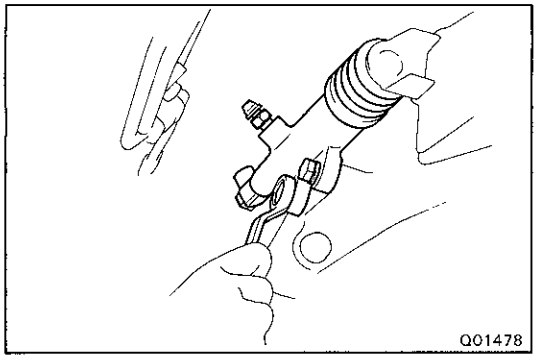
1. **REMOVE FLEXIBLE HOSE**

   (a) Using SST, disconnect the union.

   SST 09023-00100

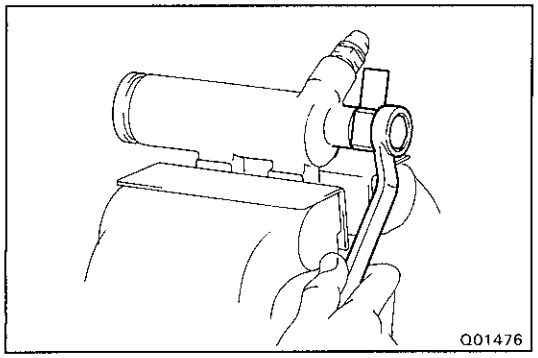


   (b) Remove the flexible hose from the release cylinder.



2. **REMOVE RELEASE CYLINDER**

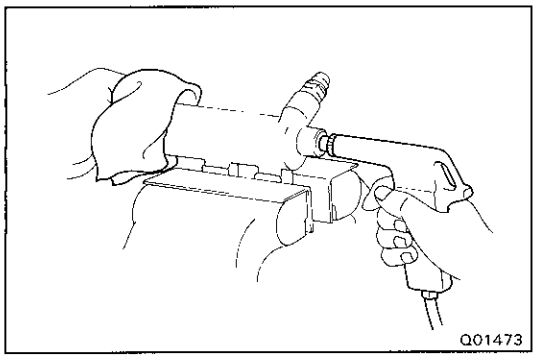
Remove the two bolts and pull out the release cylinder.



DISASSEMBLY OF RELEASE CYLINDER

1. **REMOVE UNION**

Remove the union bolts, two gaskets and union from the release cylinder.



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

3. **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**

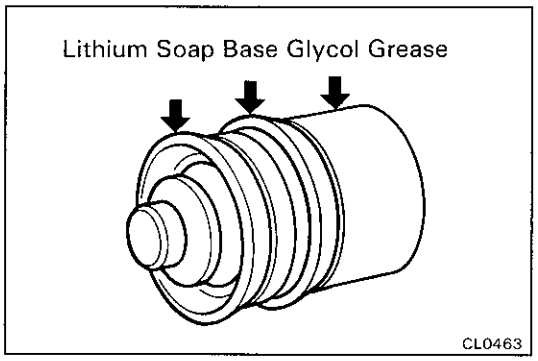
If a problem is found, clean or replace the cylinder.

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

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

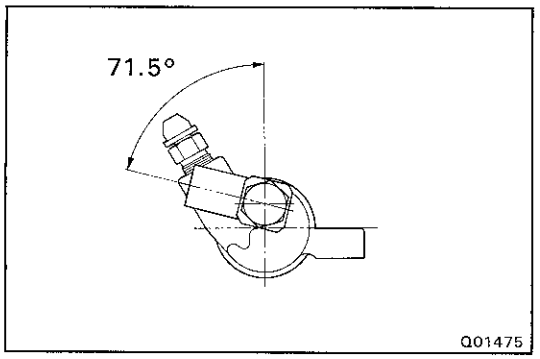
3. **INSPECT PUSH ROD FOR WEAR OR DAMAGE**

If necessary, replace the push rod.



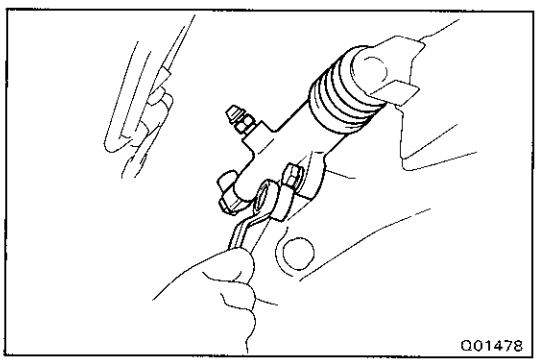
ASSEMBLY OF RELEASE CYLINDER

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**



4. **INSTALL UNION TO RELEASE CYLINDER**
   (a) Adjust the center line of the union is in parallel with release cylinder.
   (b) Install union bolt.

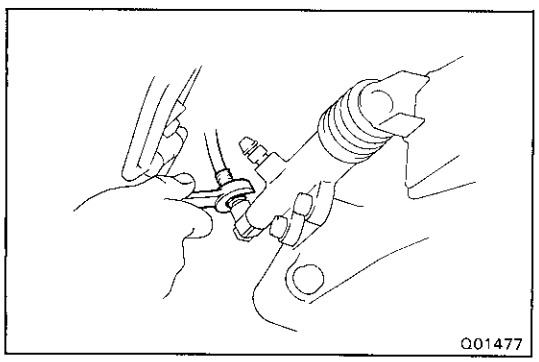
   Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)



INSTALLATION OF CLUTCH RELEASE CYLINDER

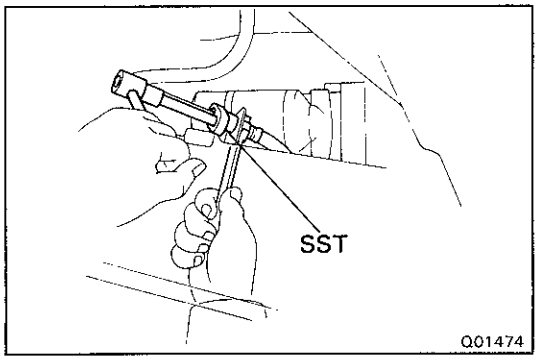
1. **INSTALL RELEASE CYLINDER WITH TWO BOLTS**

   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