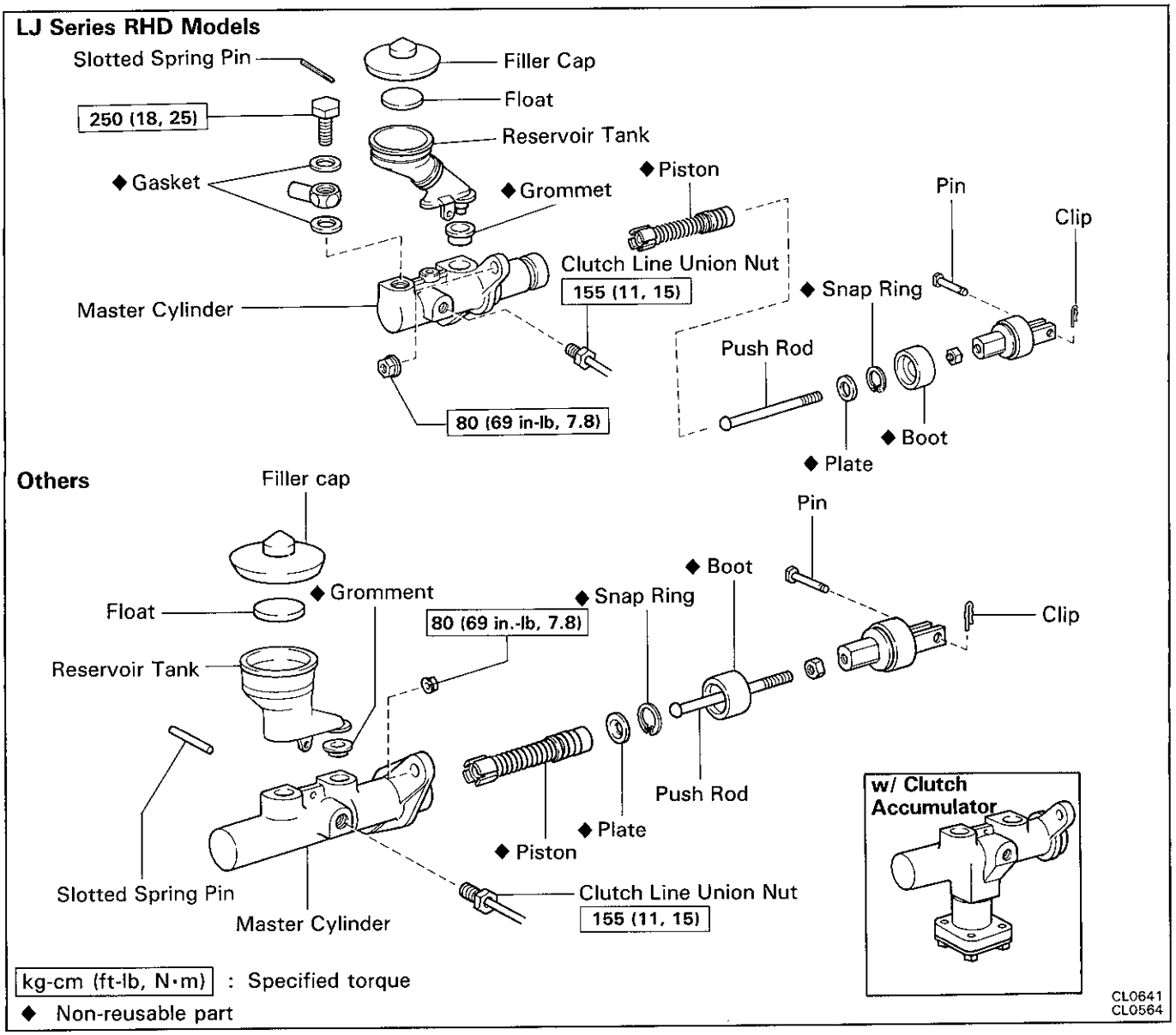
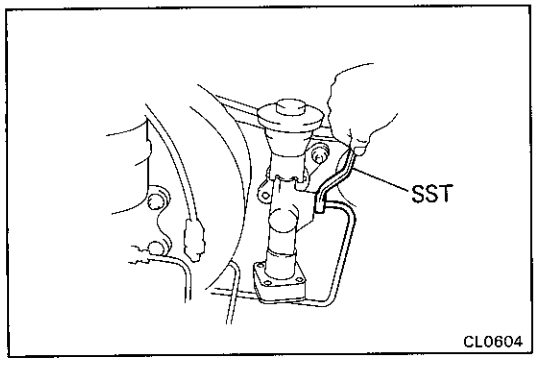
CLUTCH MASTER CYLINDER (w/o Clutch Booster)

COMPONENTS



REMOVAL AND INSTALLATION OF CLUTCH MASTER CYLINDER

(MAIN POINT OF REMOVAL AND INSTALLATION)



REMOVE MASTER CYLINDER

(a) Draw out fluid with syringe.

(b) Using SST, disconnect the clutch tube.

SST 09751-36011

(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.

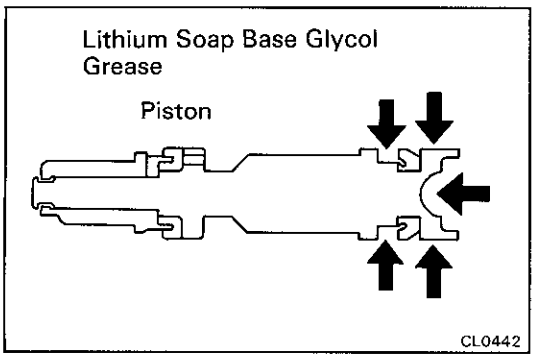
DISASSEMBLY OF MASTER CYLINDER

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 AND PISTON**

INSPECTION OF MASTER CYLINDER

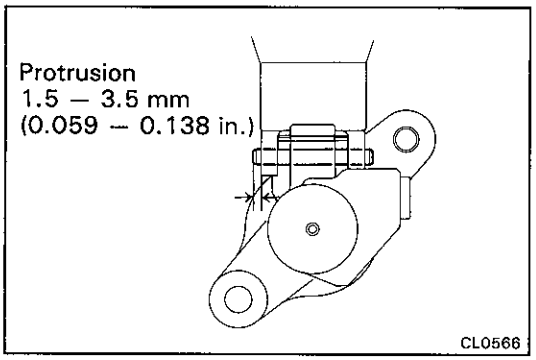
HINT: Clean the disassembled parts with compressed air.

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.



ASSEMBLY OF MASTER CYLINDER

1. **COAT PARTS WITH LITHIUM SOAP BASE GLYCOL GREASE AS SHOWN**
2. **INSERT PISTON INTO CYLINDER**
3. **INSTALL PUSH ROD ASSEMBLY WITH SNAP RING**



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.

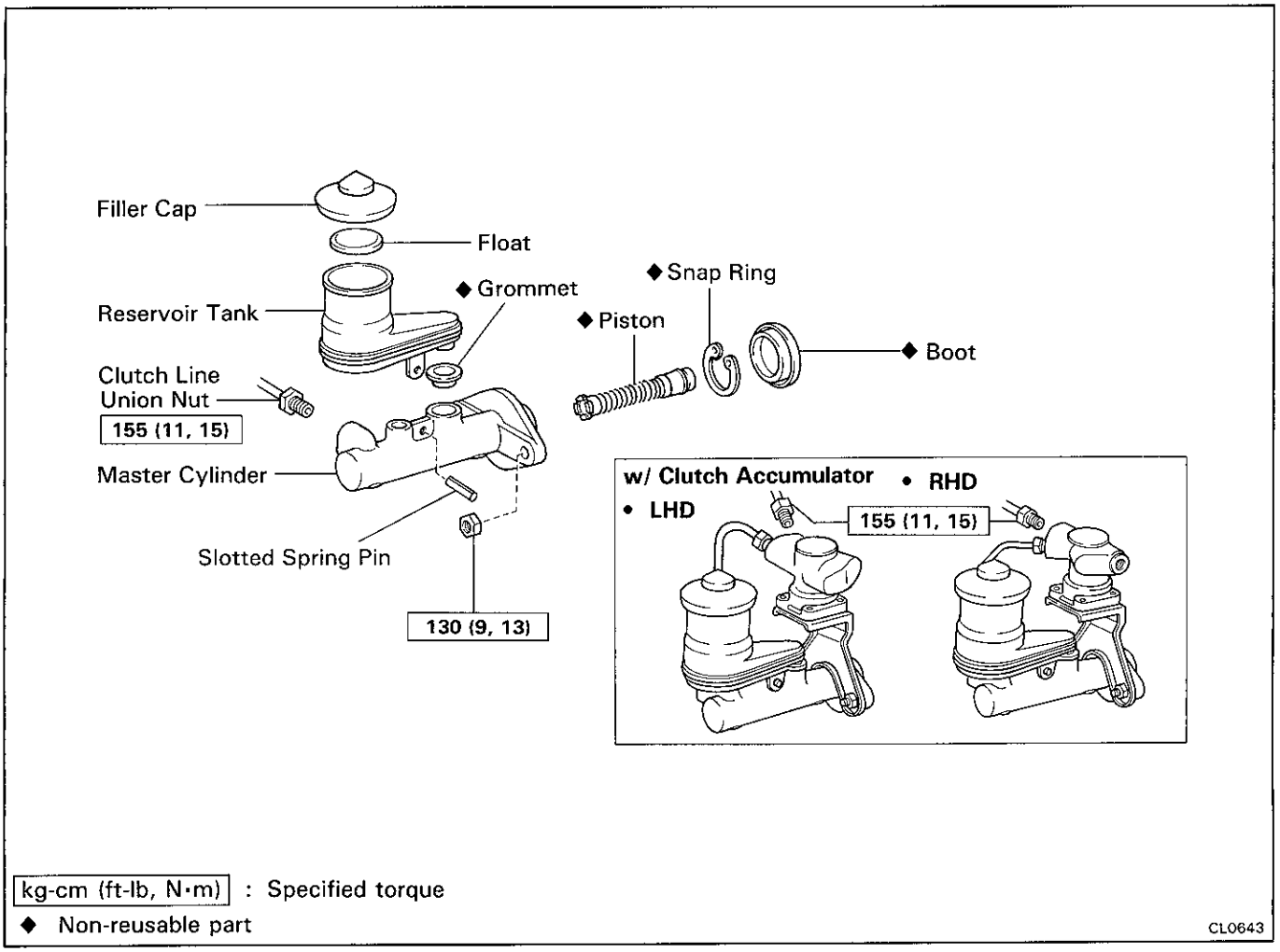
INSTALLATION OF MASTER CYLINDER

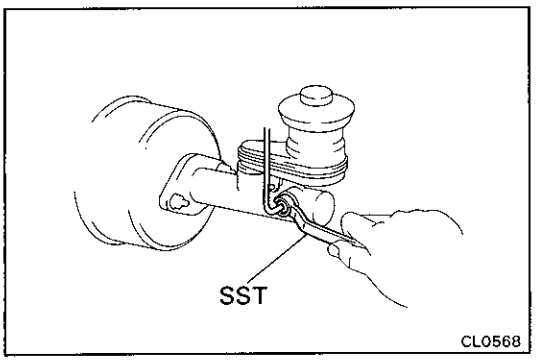
(See page CL-6)

1. **INSTALL MASTER CYLINDER**
   Install the mounting nut, and torque them.
   Torque: 80 kg-cm (69 in.-lb, 7.8 N·m)
2. **CONNECT CLUTCH LINE UNION**
   Using SST, connect the union.
   SST 09751-36011
3. **CONNECT PUSH ROD AND INSTALL PIN**
   Install the clip in the push rod pin.
4. **BLEED SYSTEM AND ADJUST CLUTCH PEDAL**
   (See page CL-5)

(w/ Clutch Booster)

COMPONENTS





REMOVAL AND INSTALLATION OF CLUTCH MASTER CYLINDER

(MAIN POINT OF REMOVAL AND INSTALLATION)

REMOVE MASTER CYLINDER

(a) Draw out fluid with syringe.

(b) Using SST, disconnect the clutch tube.

SST 09751-36011

(c) (LHD Models)
Remove two nuts.

(RHD Models)
Remove three nuts.

(d) Pull out the master cylinder.

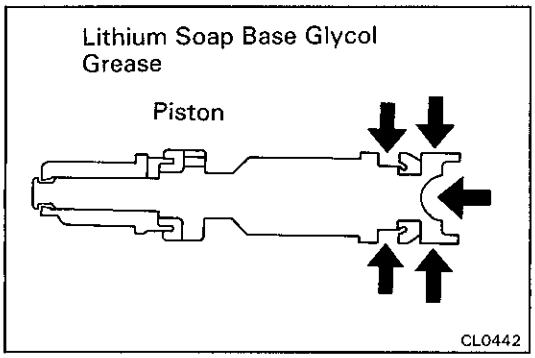
DISASSEMBLY OF MASTER CYLINDER

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 PISTON**

INSPECTION OF MASTER CYLINDER

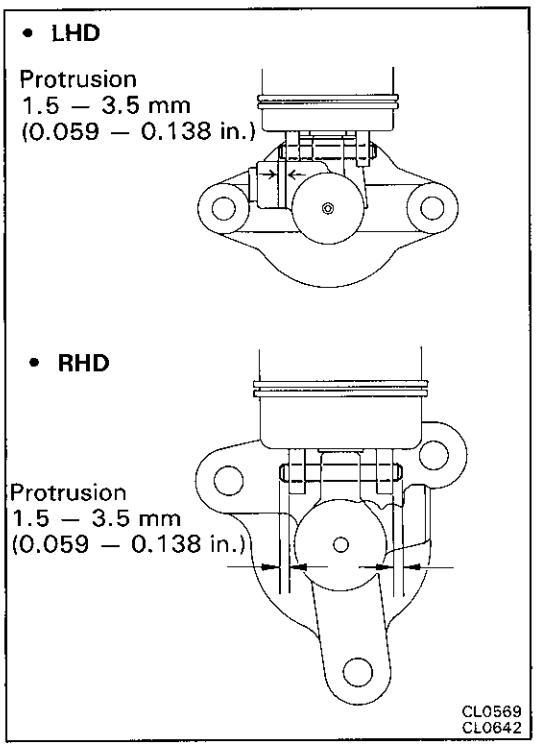
HINT: Clean the disassembled parts with compressed air.

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.



ASSEMBLY OF MASTER CYLINDER

1. **COAT PARTS WITH LITHIUM SOAP BASE GLYCOL GREASE AS SHOWN**
2. **INSTALL PISTON INTO CYLINDER**



3. **INSTALL RESERVOIR TANK**
   (a) Install reservoir tank and new grommet.
   (b) Using a pin punch and a hammer, drive in the slotted spring pin.

INSTALLATION OF MASTER CYLINDER

(See page CL-8)

1. **ADJUST LENGTH OF CLUTCH BOOSTER PUSH ROD**
   (See step 1 on page CL-16)
2. **INSTALL MASTER CYLINDER WITH MOUNTING NUTS**
   Torque: 130 kg-cm (9 ft-lb, 13 N·m)
3. **CONNECT CLUTCH LINE UNION**
   Using SST, connect the union.
   SST 09751-36011
4. **BLEED SYSTEM AND ADJUST CLUTCH PEDAL**
   (See page CL-5)