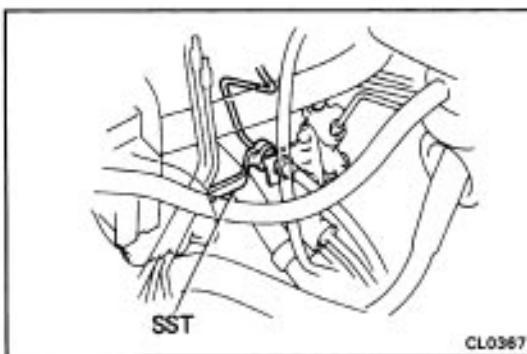
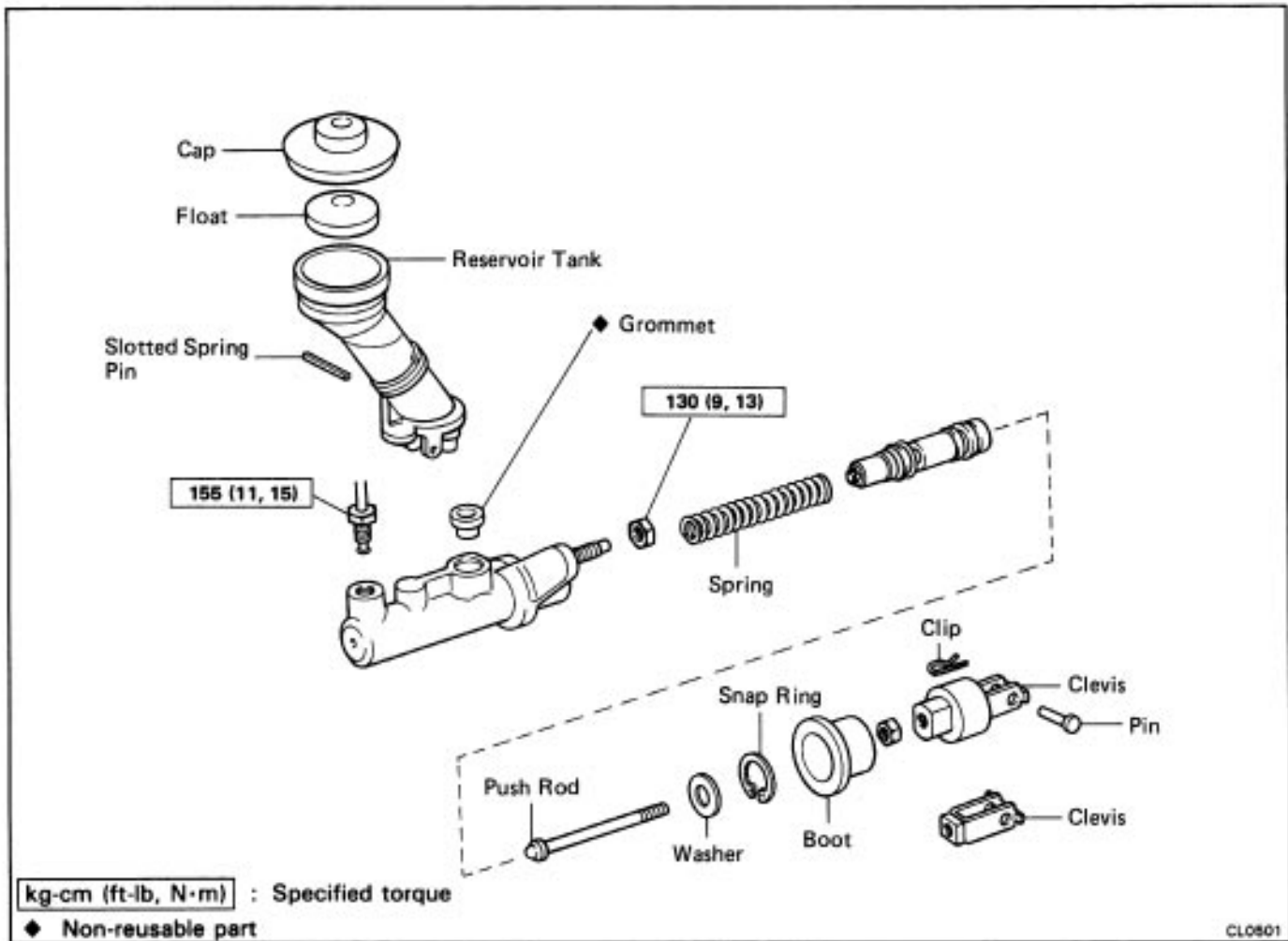


CLUTCH MASTER CYLINDER COMPONENTS



REMOVAL AND INSTALLATION OF CLUTCH MASTER CYLINDER (MAIN POINT OF REMOVAL AND INSTALLATION)

1. (For 4A-GE engine)
REMOVE BRAKE BOOSTER
2. REMOVE MASTER CYLINDER

(a) Using SST, disconnect the clutch tube from the clutch hose.

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

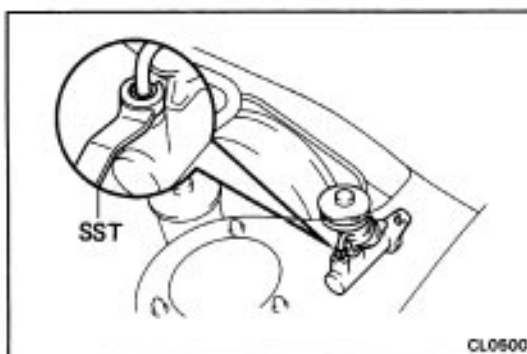
(c) Remove the two nuts.

(d) Pull out the master cylinder.

HINT: Be careful not to damage the clutch tube.

(e) Using SST, disconnect the clutch tube.

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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-5](#))

1. INSTALL MASTER CYLINDER

Install the mounting nut, and torque them.

Torque: 130 kg-cm (9 ft-lb, 13 N-m)

2. CONNECT CLUTCH LINE UNION

Using SST, connect the union.

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3. CONNECT PUSH ROD AND INSTALL PIN

Install the clip in the push rod pin.

4. (For 4A-GE engine)

INSTALL BRAKE BOOSTER

5. BLEED SYSTEM AND ADJUST CLUTCH PEDAL

(See page [CL-3](#))

