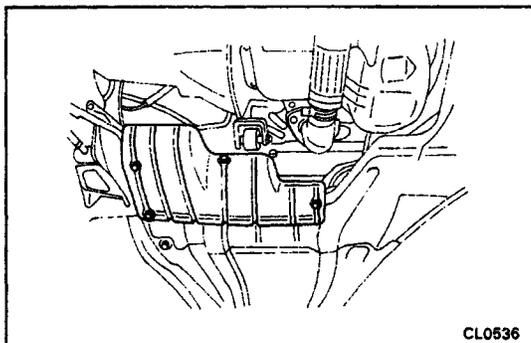
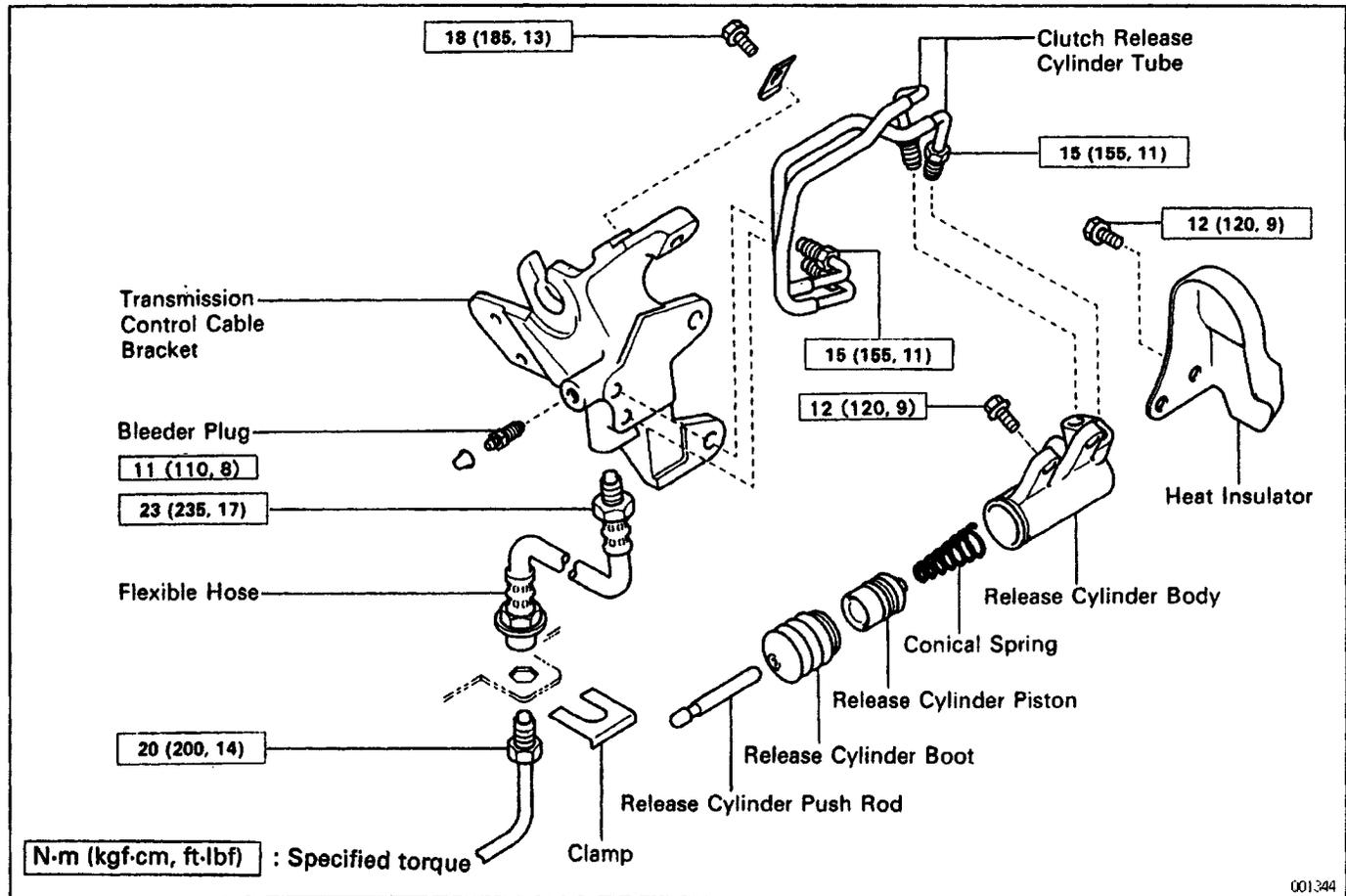


CLUTCH RELEASE CYLINDER COMPONENTS

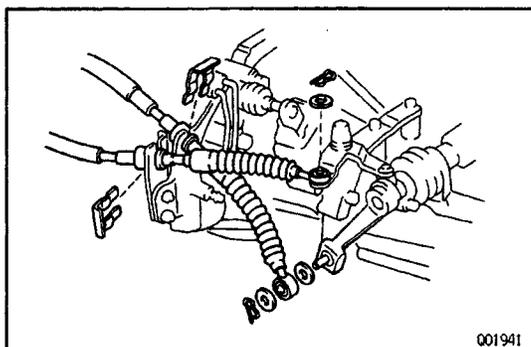
CL018-01



RELEASE CYLINDER REMOVAL

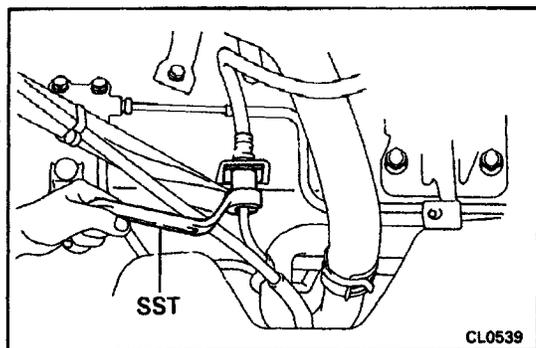
CL017-01

1. REMOVE NO.1 ENGINE UNDER COVER



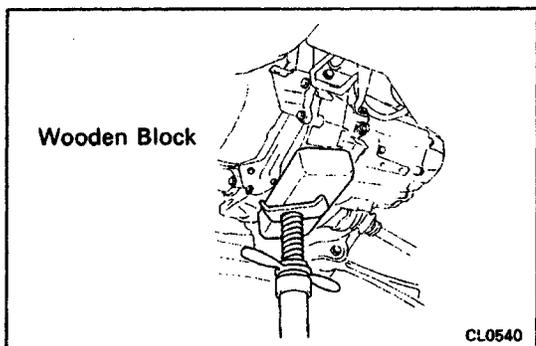
2. DISCONNECT CONTROL CABLE

- (a) Remove the clip and washers.
- (b) Remove the retainer from the cable.

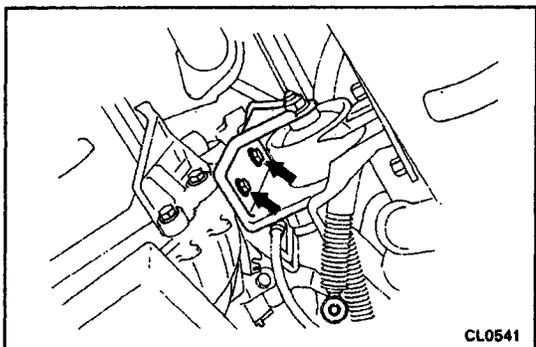


3. DISCONNECT CLUTCH LINE UNION

- (a) Using SST, disconnect the union. Use a container to catch the brake fluid.
SST 09751 -3601 1
- (b) Remove the retainer.

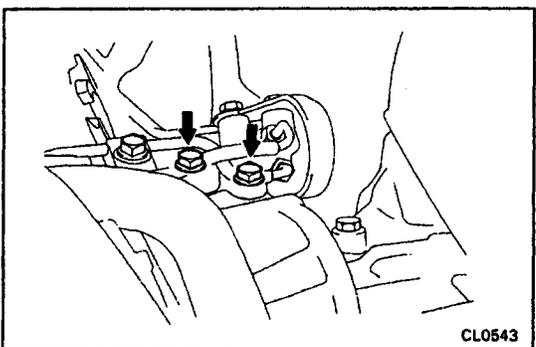


4. SUPPORT ENGINE AND TRANSAXLE



5. REMOVE ENGINE FRONT MOUNTING BRACKET SET BOLTS

Remove the two bolts from engine side.



6. REMOVE BOLT AND PULL OUT RELEASE CYLINDER ASSEMBLY

RELEASE CYLINDER DISASSEMBLY CL01U-01

1. PULL OUT PUSH ROD
2. REMOVE BOOT
3. REMOVE PISTON

Using compressed air, remove the piston and spring from the cylinder.

RELEASE CYLINDER INSPECTION

HINT: Clean the disassembled parts with comer air.

1. INSPECT RELEASE CYLINDER BORE FOR SCORING OR CORROSION

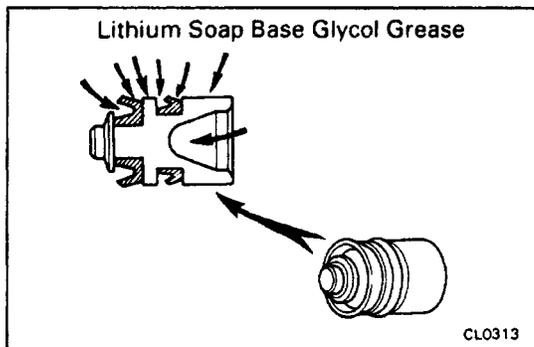
If a problem is found, clean or replace the cylinder.

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

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

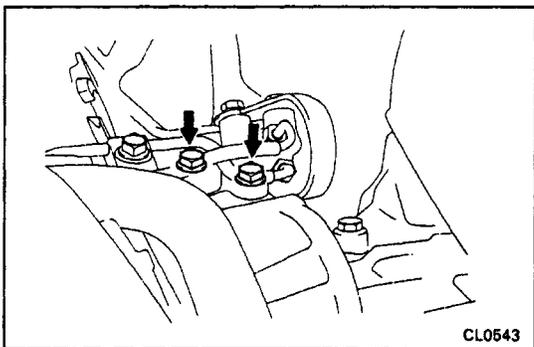
3. INSPECT PUSH ROD FOR WEAR OR DAMAGE

If necessary, replace the push rod.



RELEASE CYLINDER ASSEMBLY

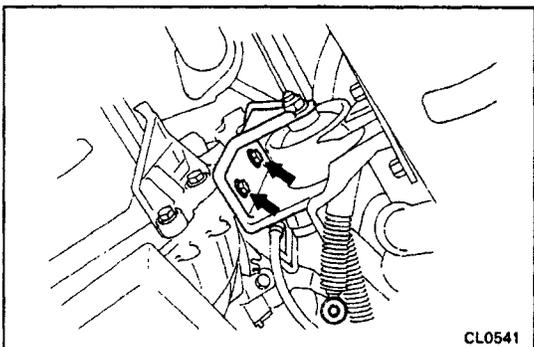
1. COAT PISTON WITH LITHIUM SOAP BASE GLYCOL GREASE, AS SHOWN
2. INSTALL PISTON
3. INSTALL BOOT AND INSERT PUSH ROD



RELEASE CYLINDER INSTALLATION

1. INSTALL RELEASE CYLINDER

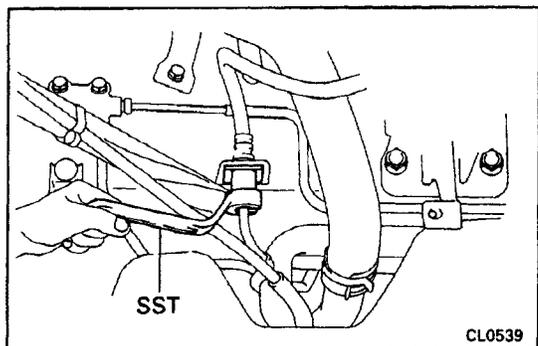
Torque: 12 N-m (120 kgf-cm, 9 ft-lbf)



2. INSTALL ENGINE FRONT MOUNTING BRACKET
SET BOLTS

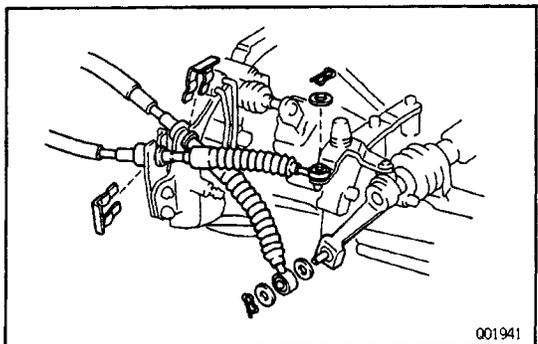
Torque: 77 N-m (790 kgf-cm, 57 ft-lbf)

3. REMOVE SUPPORTS FOR ENGINE AND TRANSAXLE



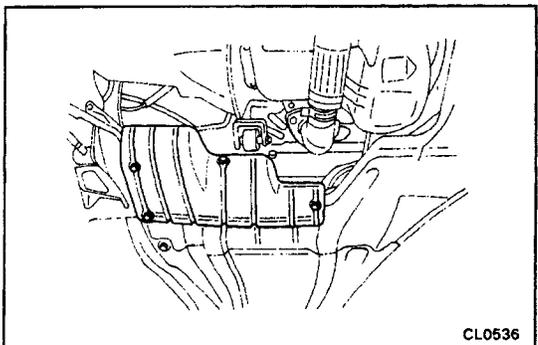
4. CONNECT CLUTCH LINE UNION

- (a) Using SST, connect the union.
SST 09751 -3601 1
Torque: 20 N-m (200 kgf-cm. 14 ft-lbf)
- (b) Install the retainer.



5. CONNECT CONTROL CABLE

- (a) Install the cable and retainer.
- (b) Install the washers and clip.



6. INSTALL NO.1 ENGINE UNDER COVER
7. BLEED CLUTCH SYSTEM