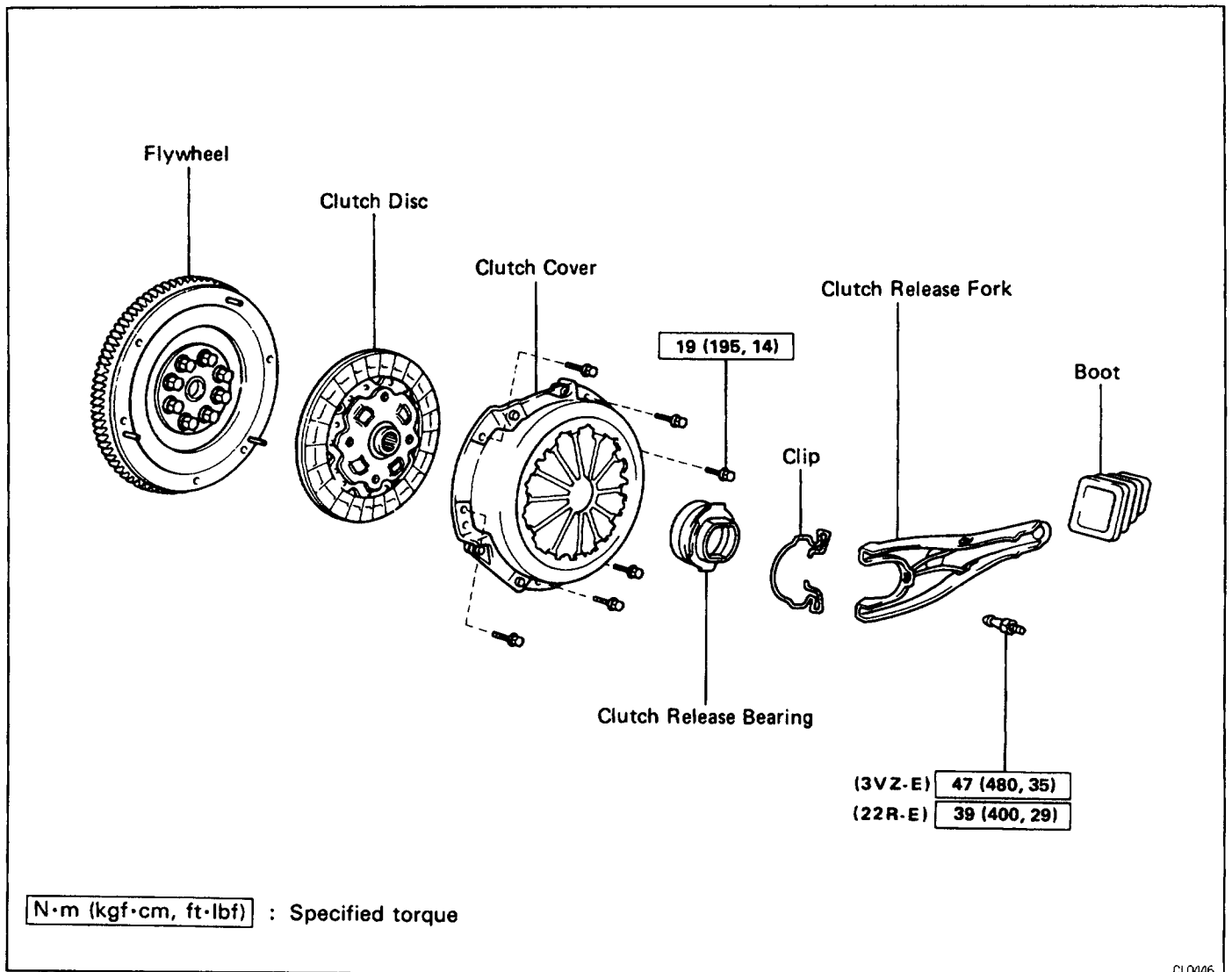


CLUTCH UNIT COMPONENTS

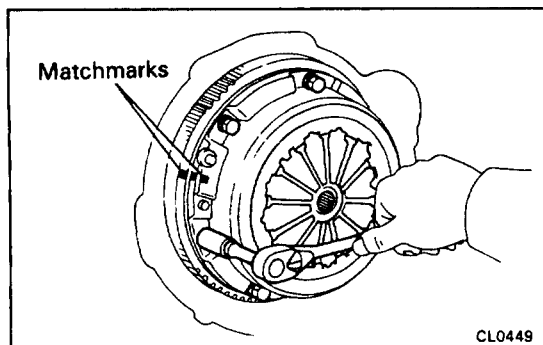


CLUTCH UNIT REMOVAL

1. REMOVE TRANSMISSION FROM ENGINE

(See page G58 [MT1-8](#), R150F [MT3-9](#), 15, W55 [MT2-9](#), W56 [MT2-15](#))

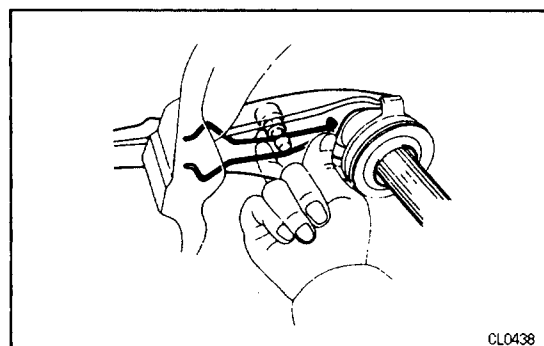
HINT: Do not drain the transmission oil.



2. REMOVE CLUTCH COVER AND DISC

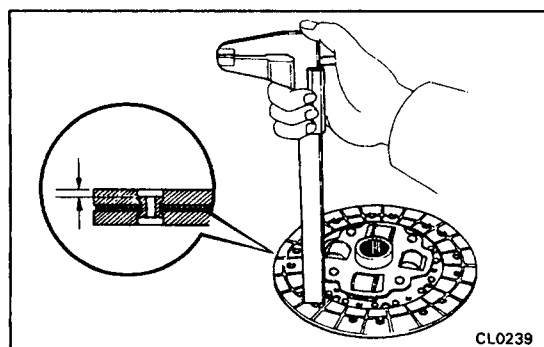
- Place matchmarks on the clutch cover and flywheel.
- Loosen the set bolt one turn at a time until spring tension is released.
- Remove the set bolts and pull off the clutch cover and disc.

NOTICE: Do not drop the clutch disc.



3. REMOVE BOOT, RELEASE BEARING AND FORK FROM TRANSMISSION

- Remove the retaining clip pull off the bearing.
- Remove the fork and boot.



CLUTCH PARTS INSPECTION

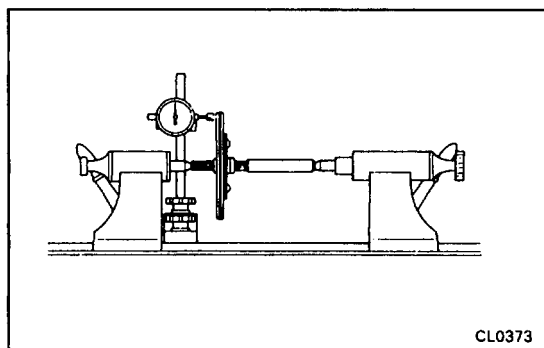
1. INSPECT CLUTCH DISC FOR WEAR OR DAMAGE

Using calipers, measure the rivet head depth.

Minimum rivet depth:

0.3 mm (0.012 in.)

If a problem is found, repair or replace the clutch disc.



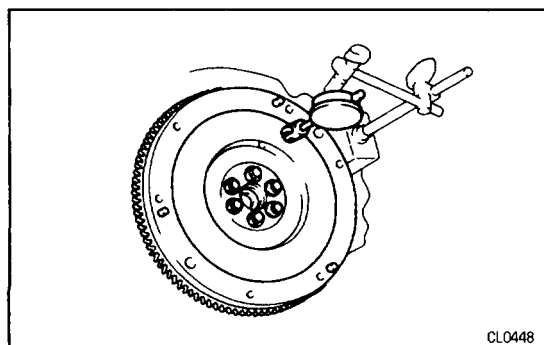
2. INSPECT CLUTCH DISC RUNOUT

Using a dial indicator, check the disc runout.

Maximum runout:

0.8 mm (0.031 in.)

If runout is excessive, replace the disc.



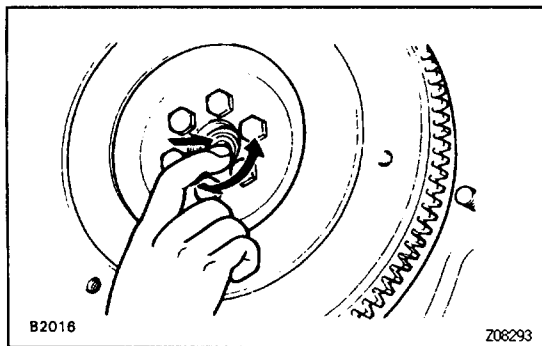
3. INSPECT FLYWHEEL RUNOUT

Using a dial indicator, check the flywheel runout.

Maximum runout:

0.1 mm (0.004 in.)

If runout is excessive, repair or replace flywheel.

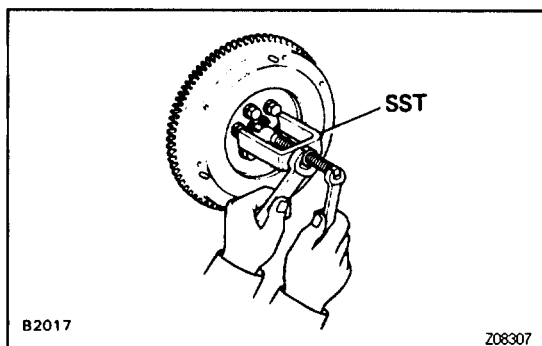


4. INSPECT PILOT BEARING

Turn the bearing by hand while applying force in the rotation direction.

If the bearing sticks or has much resistance, replace the pilot bearing.

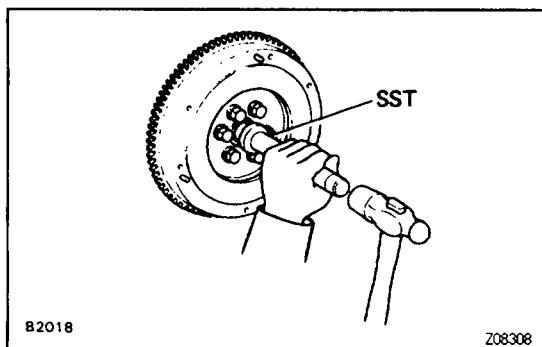
HINT: The bearing is permanently lubricated and requires no cleaning or lubrication.



5. IF NECESSARY, REPLACE PILOT BEARING

(a) Using SST, remove the pilot bearing.

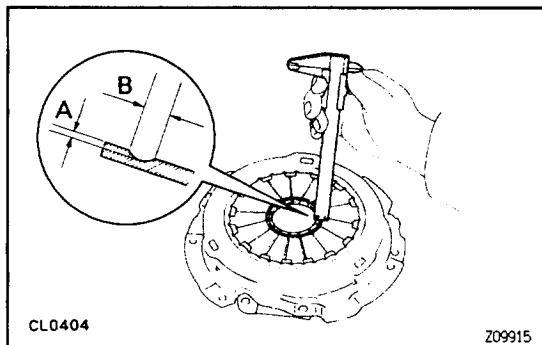
SST 09303-35011



(b) Using SST and hammer, install the pilot bearing.

SST 09304-30012

HINT: After assembling the pilot bearing to the hub, insure that it rotates smoothly.



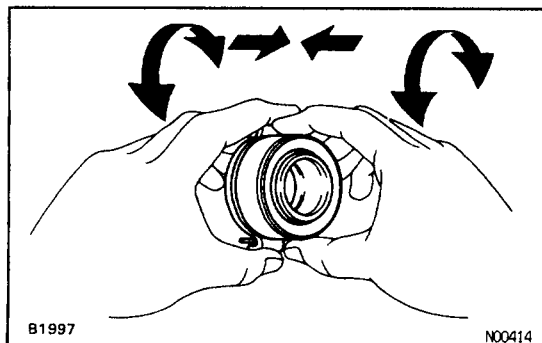
6. INSPECT DIAPHRAGM SPRING FOR WEAR

Using calipers, measure the diaphragm spring for depth and width of wear.

Maximum:

A: Depth 0.6 mm (0.024 in.)

B: Width 5.0 mm (0.197 in.)

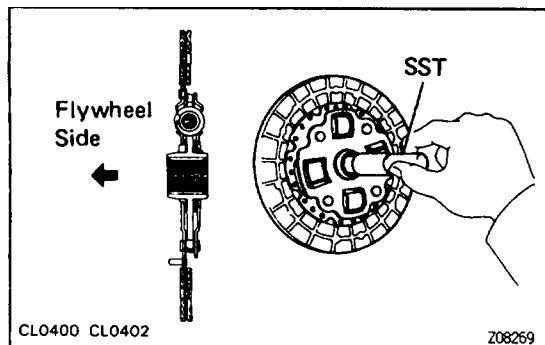


7. INSPECT RELEASE BEARING

Turn the bearing by hand while applying force in the rotation direction.

If the bearing sticks or has much resistance, replace the release bearing.

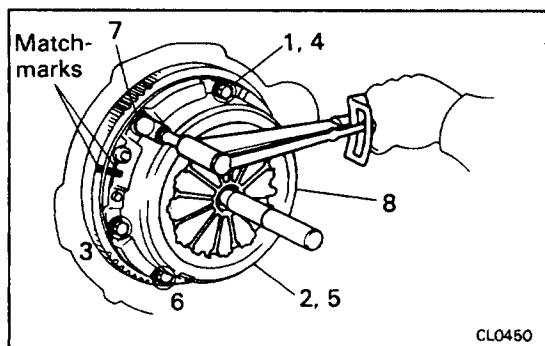
HINT: The bearing is permanently lubricated and requires no cleaning or lubrication.



CLUTCH UNIT INSTALLATION

1. INSTALL DISC ON FLYWHEEL

Using SST, install the disc on the flywheel.
SST 09301-20020

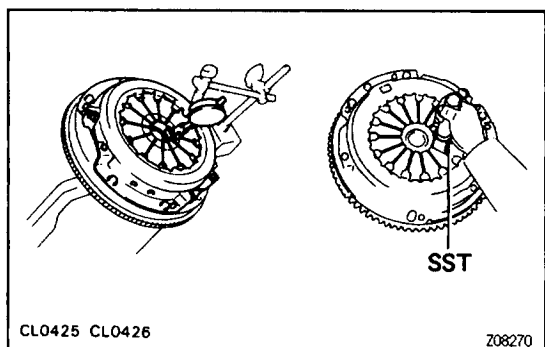


2. INSTALL CLUTCH COVER

- Align the matchmarks on the clutch cover and flywheel.
- Torque the bolts on the clutch cover in the order shown.

Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)

HINT: Temporarily tighten the No.1 and No.2 bolts.



3. CHECK DIAPHRAGM SPRING TIP ALIGNMENT

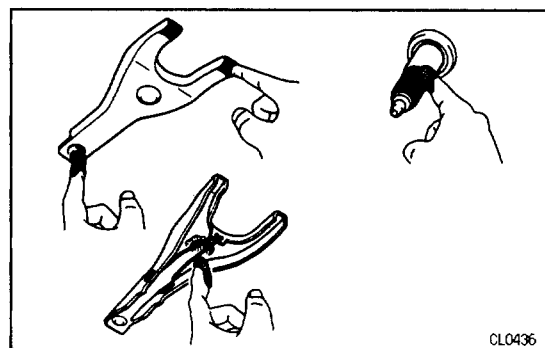
Using a dial indicator with roller instrument, check the diaphragm spring tip alignment.

Maximum non-alignment.

0.5 mm (0.020 in.)

If alignment is not as specified, using SST, adjust the diaphragm spring tip alignment.

SST 09333-00013

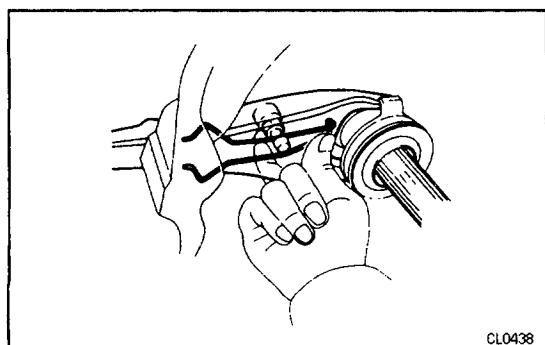


4. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE (NLGI NO.2) OR MP GREASE

- Apply molybdenum disulphide lithium base grease to the following parts:

- Release fork and hub contact point
- Release fork and push rod contact point
- Release fork pivot point
- Clutch disc spline

- Apply MP grease to the front of the release bearing.



5. INSTALL BOOT, FORK, HUB AND BEARING ON TRANSMISSION

6. INSTALL TRANSMISSION

(See page G58 [MT1-11](#), R150F [MT3-11](#), 18, W55 [MT2-11](#), W56 [MT2-17](#))