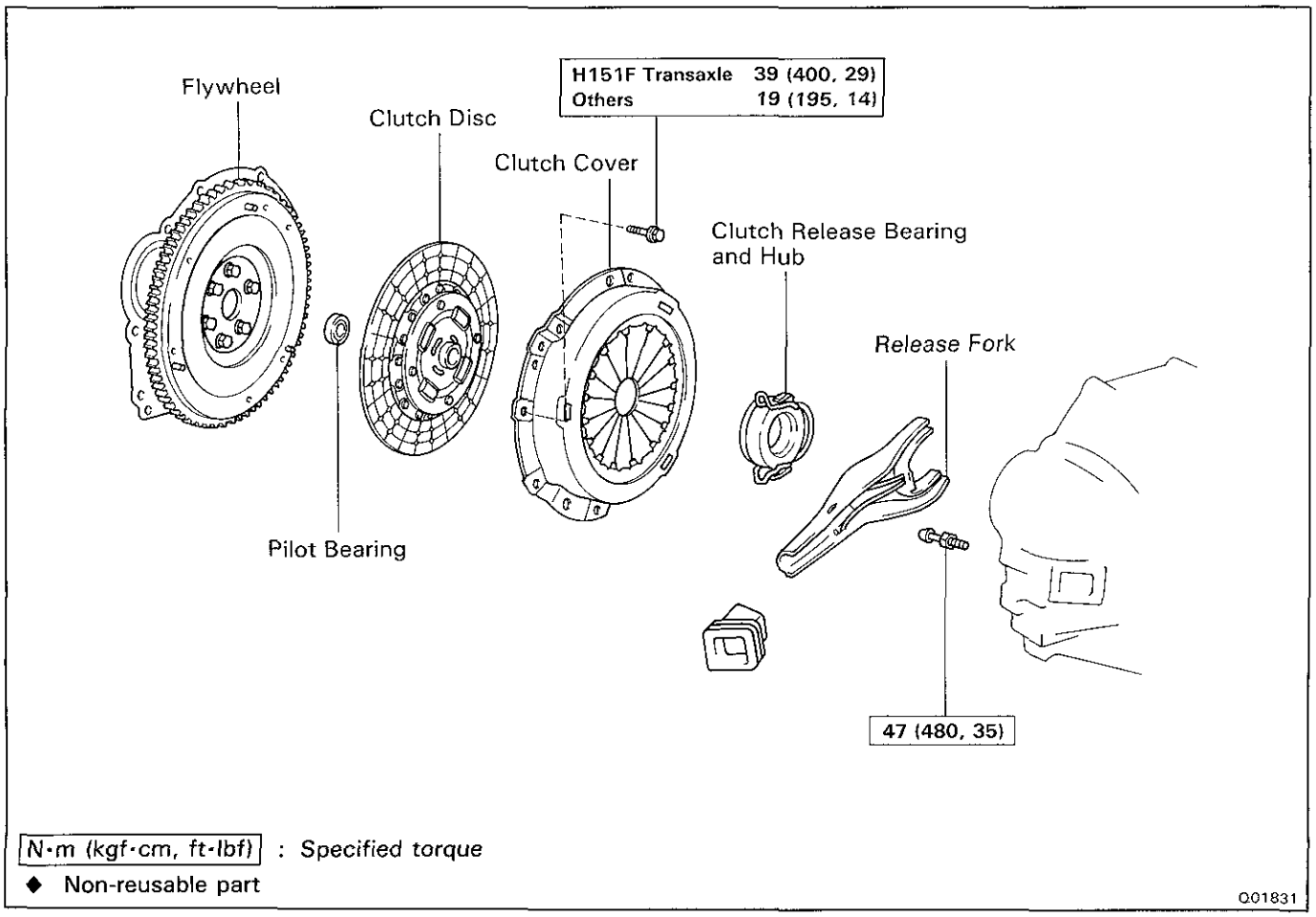
CLUTCH UNIT

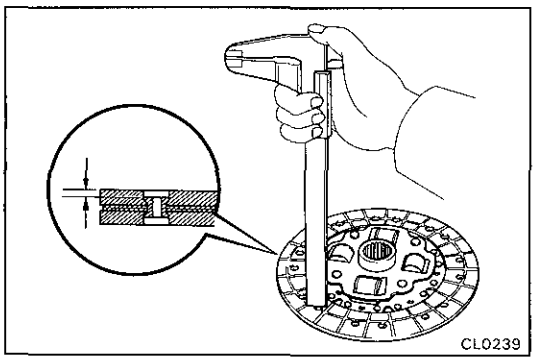
REMOVAL OF CLUTCH UNIT

Remove the parts as shown.



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non-reusable part

Q01831



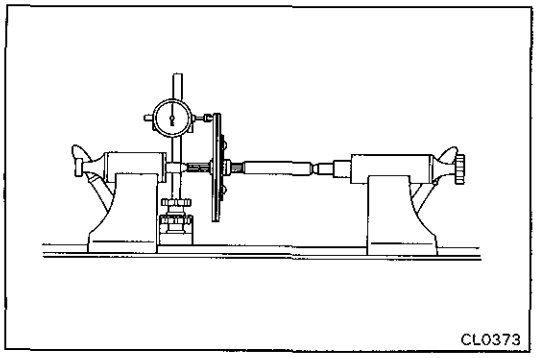
INSPECTION OF CLUTCH PARTS

1. **INSPECT CLUTCH DISC FOR WEAR OR DAMAGE**

Using calipers, measure the rivet head depth.

Maximum rivet depth: 0.3 mm (0.012 in.)

If a problem is found, replace the clutch disc.

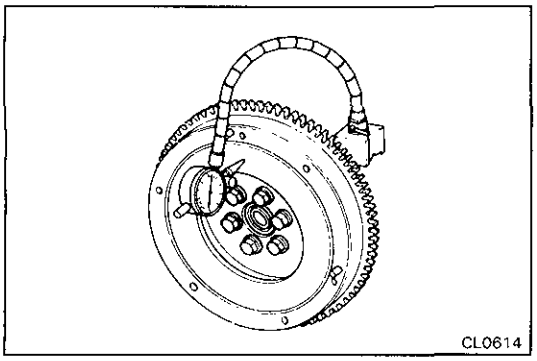


2. **INSPECT CLUTCH DISC RUNOUT**

Using a dial indicator, check the disc runout.

Maximum runout: 0.8 mm (0.031 in.)

If runout is excessive, replace the clutch disc.

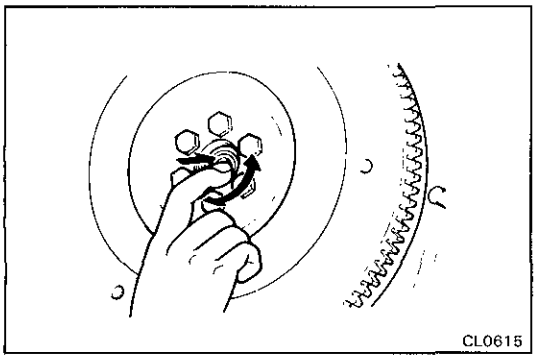


3. **INSPECT FLYWHEEL RUNOUT**

Using a dial indicator, check the flywheel runout.

Maximum runout: 0.1 mm (0.004 in.)

If runout is excessive, replace the flywheel.

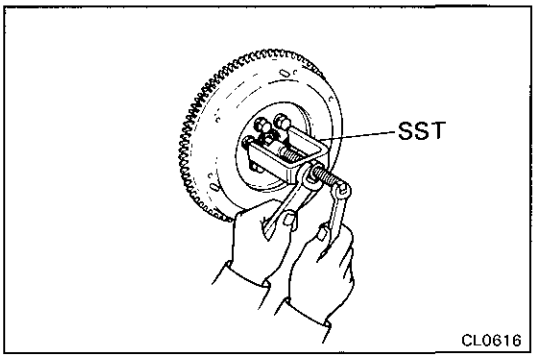


4. **INSPECT PILOT BEARING**

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

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

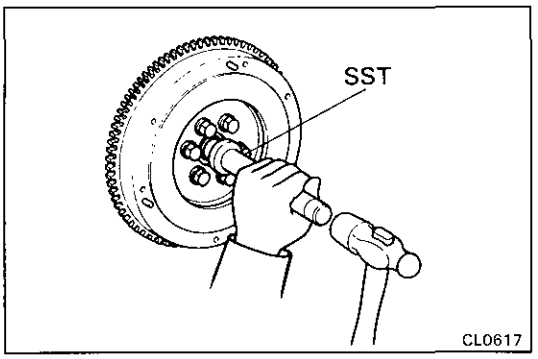
HINT: The bearing is permanently lubricated and requires no cleaning or lubrication.



5. **IF NECESSARY, REPLACE PILOT BEARING**

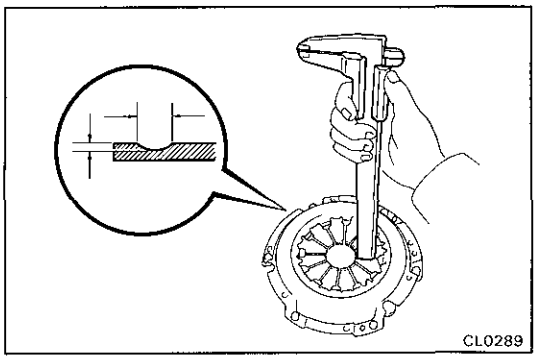
(a) Using SST, remove the pilot bearing.

SST 09303-35011



(b) Using SST, install the pilot bearing.

SST 09304-30012

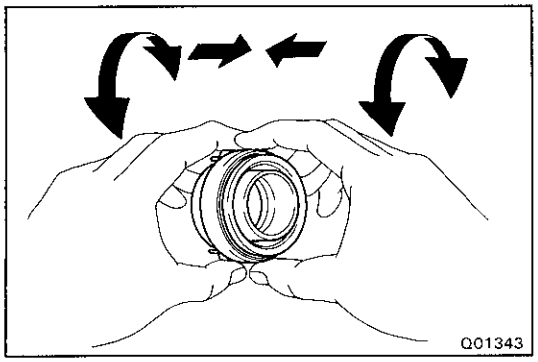


6. **INSPECT DIAPHRAGM SPRING FOR WEAR**

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

Maximum: Depth 0.6 mm (0.024 in.)
Width 5.0 mm (0.197 in.)

If necessary, replace the clutch cover.

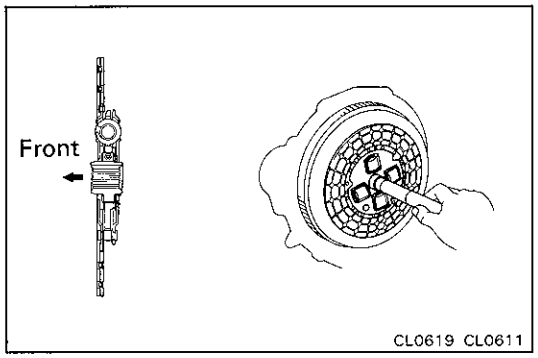


7. **INSPECT RELEASE BEARING**

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

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

If a problem is found, replace the bearing.

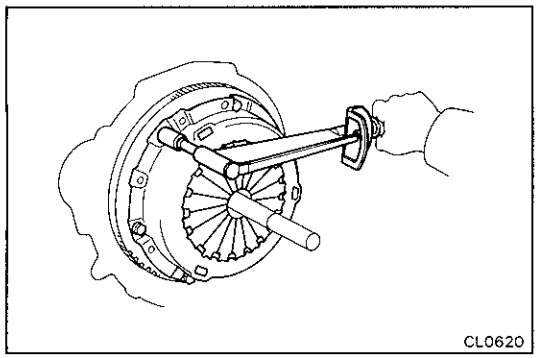


INSTALLATION OF CLUTCH UNIT (MAIN POINT OF INSTALLATION)

1. **INSTALL CLUTCH DISC AND COVER ON FLYWHEEL**

Insert the SST in the clutch disc, and then set them and the cover in position.

SST 09301-00120



2. **INSTALL CLUTCH COVER**

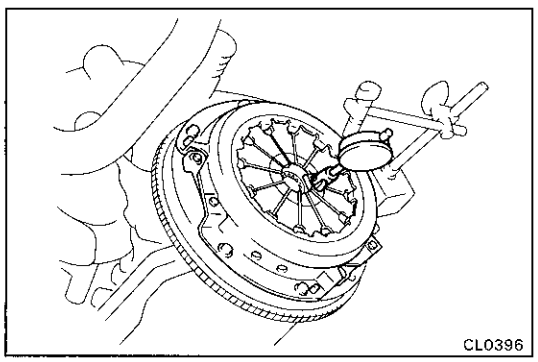
(a) Align the matchmarks on the clutch cover and flywheel.

(b) Torque the bolts on the clutch cover in the order shown.

Torque:

H151F Transmission
39 N·m (400 kgf·cm, 29 ft·lbf)
Others 19 N·m (195 kgf·cm, 14 ft·lbf)

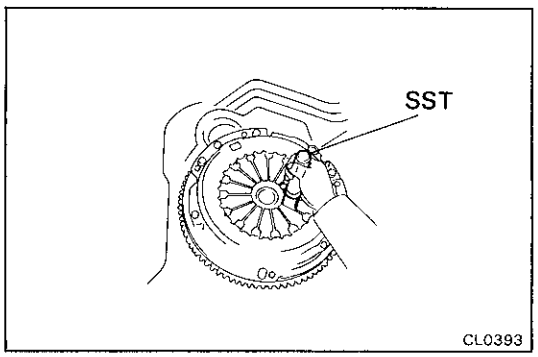
HINT: Temporarily tighten the No.1 and No.2 bolts.



3. **CHECK DIAPHRAGM SPRING TIP ALIGNMENT**

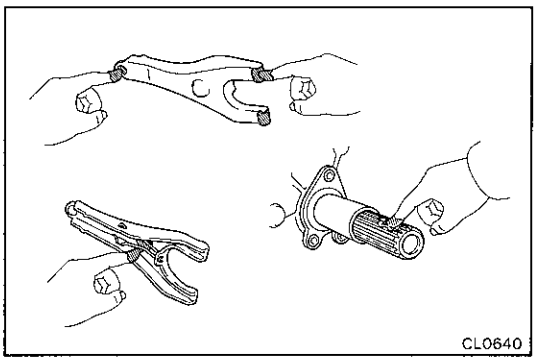
Using SST, check the diaphragm spring tip alignment.

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) AS SHOWN**