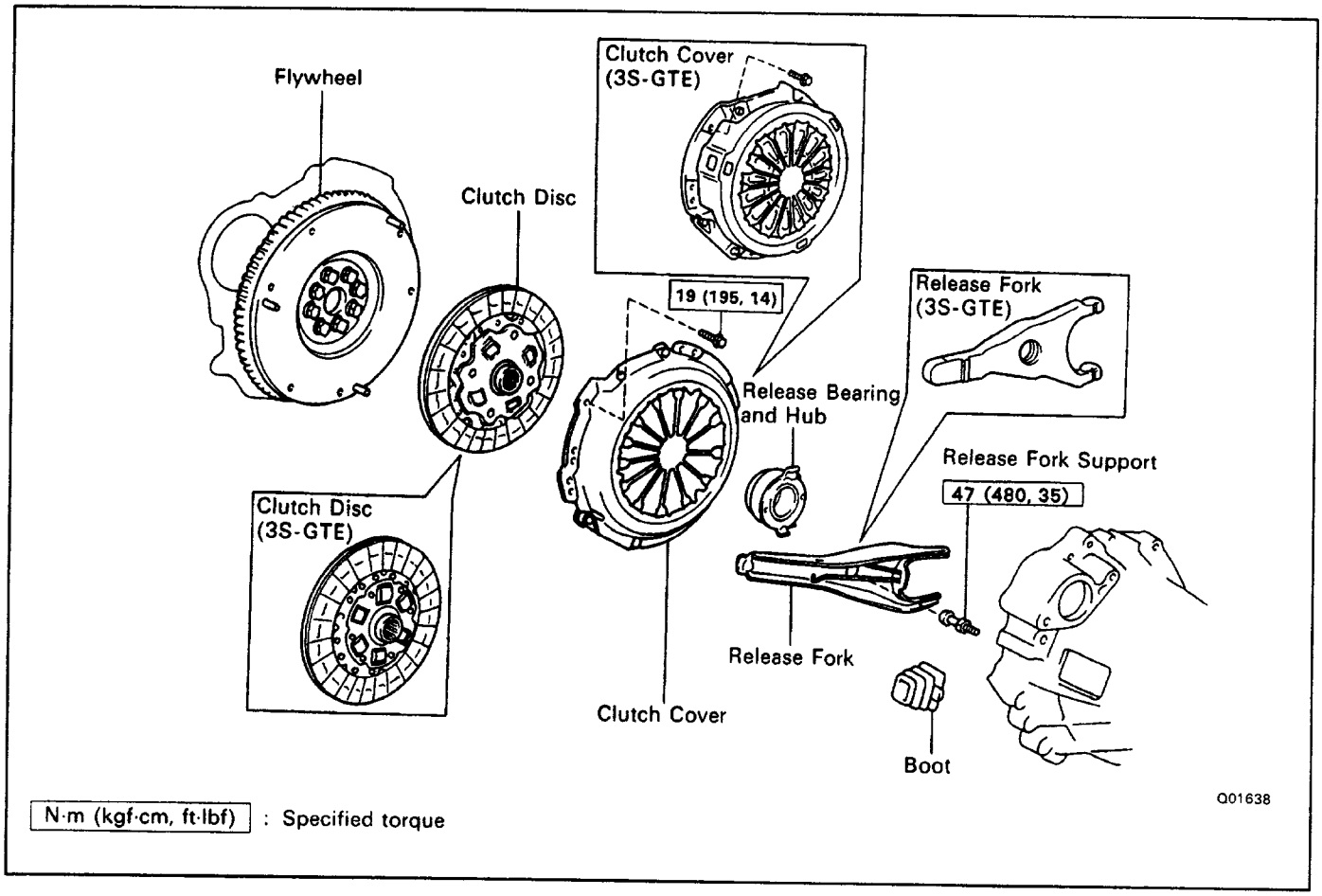
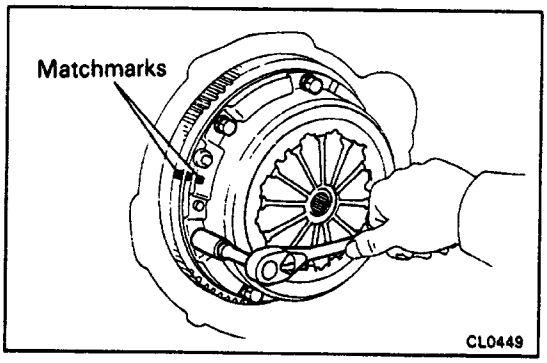
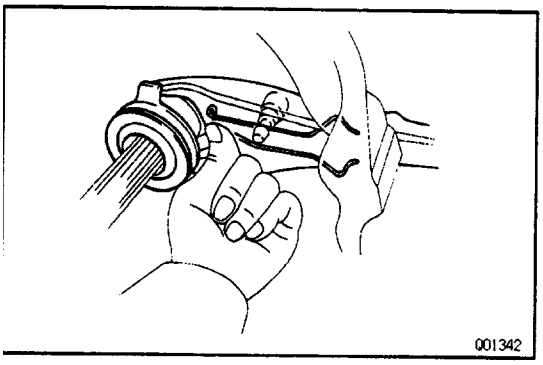
CLUTCH UNIT

CL01Y–01

COMPONENTS







CLUTCH UNIT REMOVAL

CL01Z–01

1. REMOVE TRANSAXLE
(See page S54 MX–8 and E153 MX–9)

2. REMOVE CLUTCH COVER AND DISC

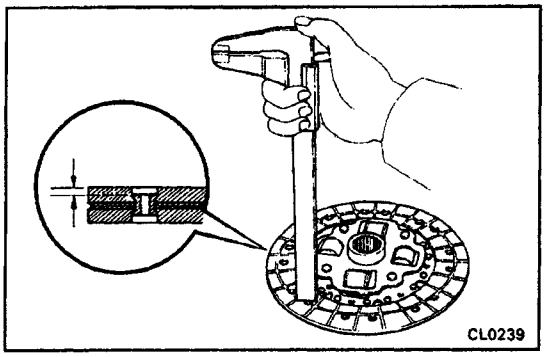
(a) Put matchmarks on the clutch cover and flywheel.
(b) Loosen the set bolts one turn at a time until spring tension is released.
(c) Remove the set bolts and pull off the clutch cover and disc.

3. REMOVE BEARING, HUB AND FORK FROM TRANSAXLE

(a) Remove the retaining clip, pull off the bearing.
(b) Remove the fork and boot.

CL020 – 01

CLUTCH PARTS INSPECTION



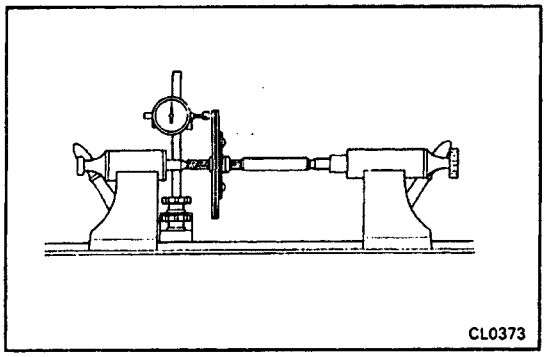
1. INSPECT CLUTCH DISC FOR WEAR OR DAMAGE

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.



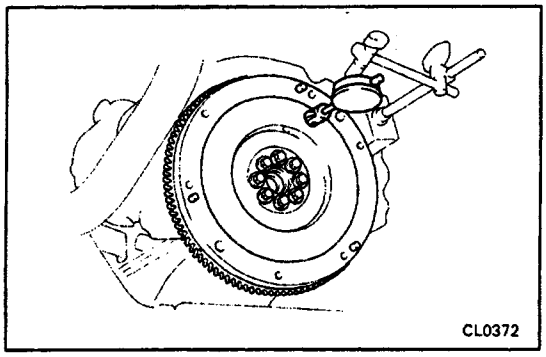
2. INSPECT CLUTCH DISC RUNOUT

Using a dial indicator, check the disc runout.

Maximum runout:

0.8 mm (0.031 in.)

If runout is excessive, replace the disc.



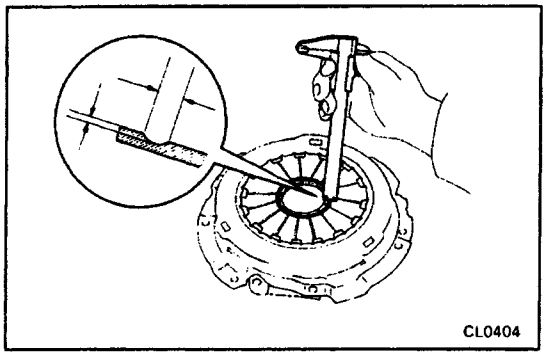
3. INSPECT FLYWHEEL RUN4UT

Using a dial indicator, check the flywheel runout.

Maximum runout:

0.1 mm (0.004 in.)

If runout excessive, repair or replace flywheel.



4. INSPECT DIAPHRAGM SPRING FOR WEAR

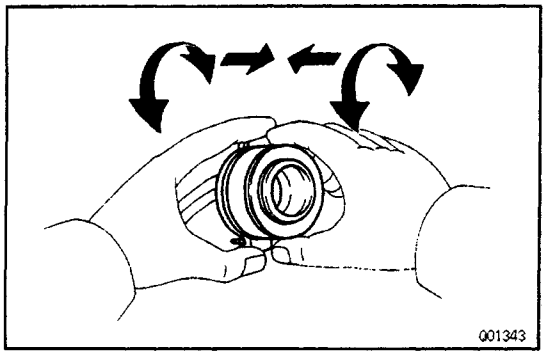
Using calipers, measure the diaphragm spring for depth and width of wear.

Maximum:

Depth 0.6 mm (0.024 in.)

Width 5.0 mm (0.197 in.)

If necessary, replace the clutch cover.

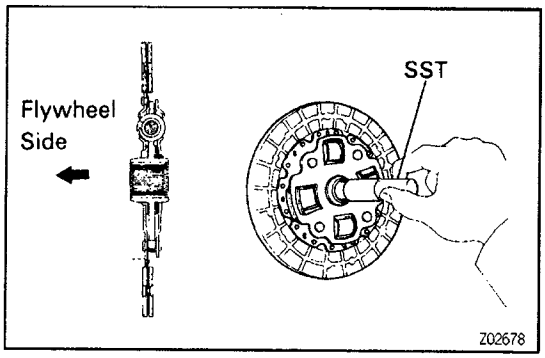


5. INSPECT RELEASE BEARING

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 re–quires no cleaning or lubrication.

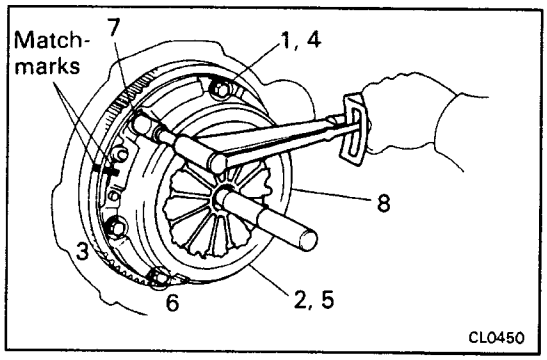


CLUTCH UNIT INSTALLATION

CL021–01

1. INSTALL DISC ON FLYWHEEL

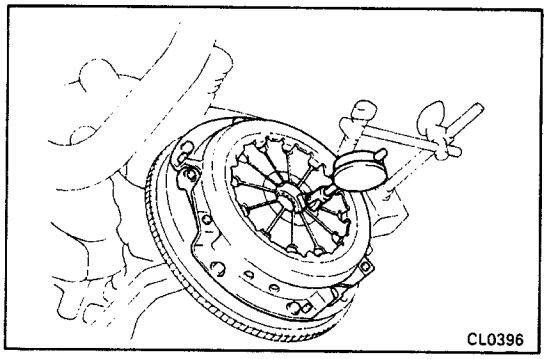
Using SST, install the disc on the flywheel.
SST 09301 –00220 (3S– GTE)
09301 –00210 (5S–FE)



2. INSTALL CLUTCH COVER

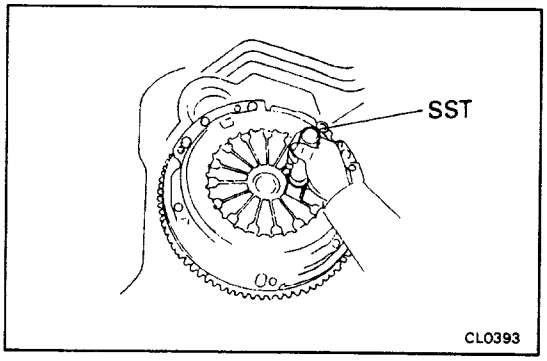
(a) Align the matchmarks on the clutch cover and fly–wheel.
(b) Torque the bolts on the clutch cover in order shown.
Torque: 19 N–m (195 kgf–cm, 14 ft–lbf)

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

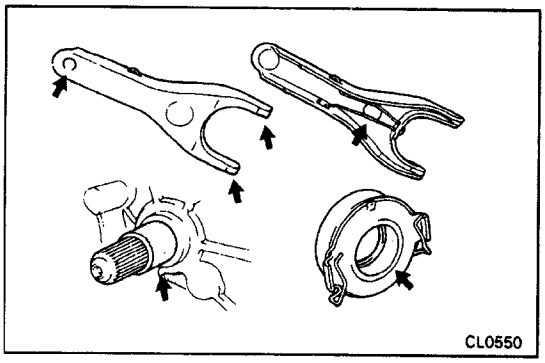


3. CHECK DIAPHRAGM SPRING TIP ALIGNMENT

Using a dial indicator with roller instrument, check the diaphragm spring tip alignment.
Maximum non–alignment:
0.5 mm (0.020 in.)



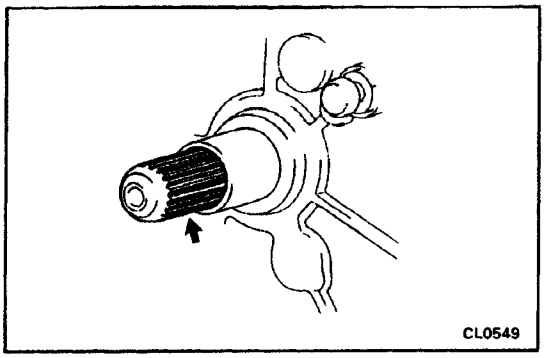
If alignment is not as specified, using SST, adjust the diaphragm spring tip alignment.
SST 09333–00013



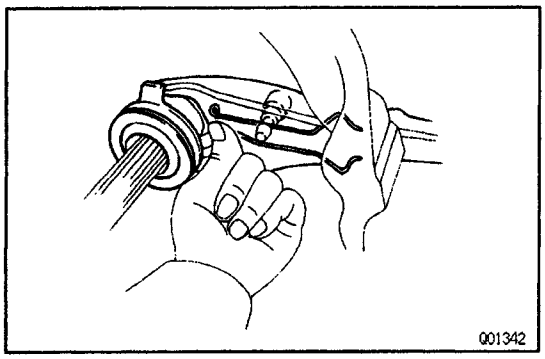
4. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE (NLGI NO.2)

Apply molybdenum disulphide lithium base grease the following parts:

- Release fork and hub contact point
- Release fork and push rod contact point
- Release fork pivot point
- Release bearing retainer
- Release bearing



5. APPLY SPLINE GREASE TO INPUT SHAFT SPLINE



6. INSTALL BOOT, FORK, HUB AND BEARING ON TRANSAXLE

7. INSTALL TRANSAXLE

(See page S54 MX–8 and E153 MX–9)