

INSTALLATION

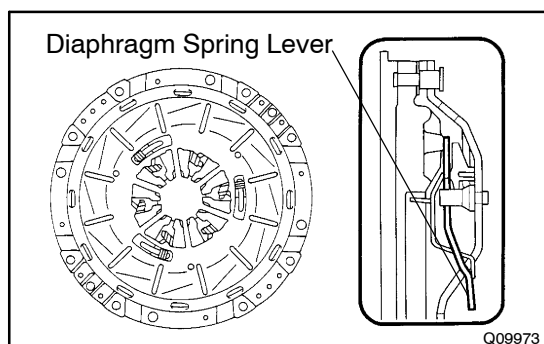
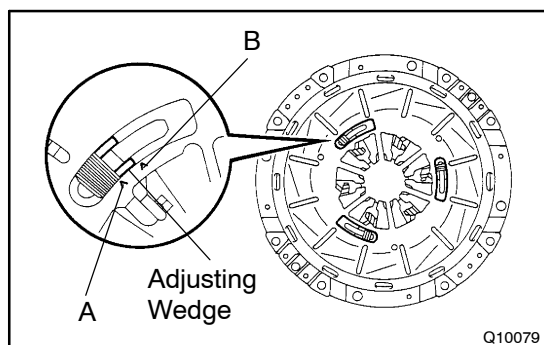
1. INSTALL CLUTCH DISC AND CLUTCH COVER ON FLYWHEEL

- (a) Insert the SST in the clutch disc, and then set them.
SST 0930 1-00110

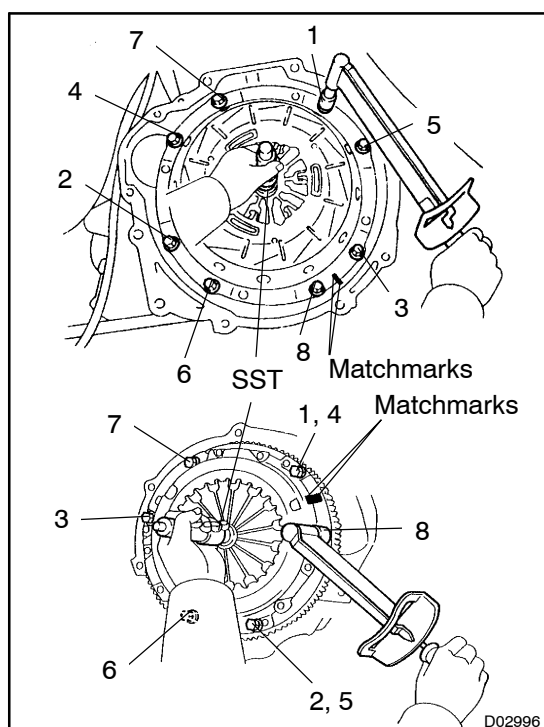
HINT:

1FZ-FE, 2UZ -FE Engine:

- When replacing the clutch cover, make sure that the adjusting wedge is within the specific area.
- Make sure that the adjusting wedge is between A and B.



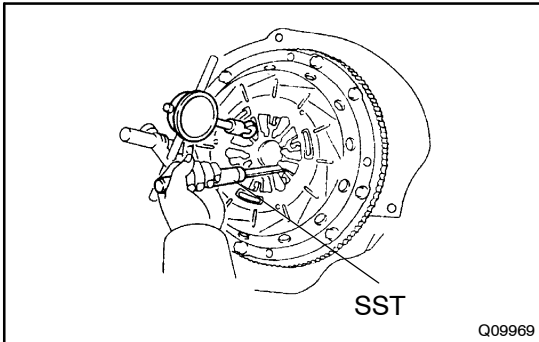
- Do not stroke the diaphragm spring lever.



- (b) Align the matchmarks on the clutch cover and flywheel.
- (c) 1FZ-FE, 2UZ -FE Engine:
Torque the 8 bolts on the clutch cover in the order shown.
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)
- (d) 1HZ Engine:
Torque the 6 bolts on the clutch cover in the order shown.
Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)
- (e) 1HD-T, 1HD-FTE Engine:
Torque the 8 bolts on the clutch cover in the order shown.
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

HINT:

- Tighten the set bolts of the 1HD-T and 1HD-FTE engine in the same way as the 1FZ-FE and 2UZ -FE engine in the order shown.
- Temporarily tighten the No. 1 and No.2 bolts.



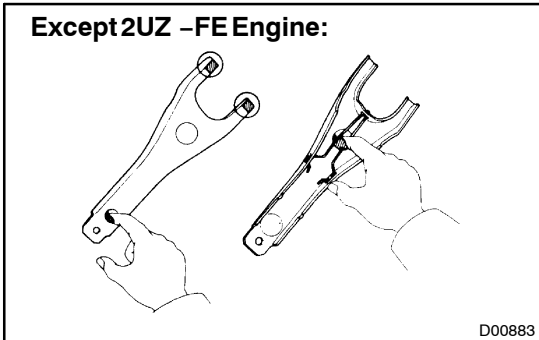
2. CHECK DIAPHRAGM SPRING TIP ALIGNMENT

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

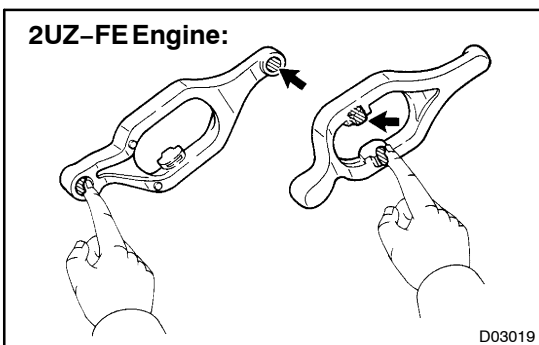


3. APPLY MOLYBDENUM DISULPHIDE LITHIUM BASE GREASE (NLGI NO.2)

(a) Except 2UZ -FE Engine:

Apply release hub grease to these parts:

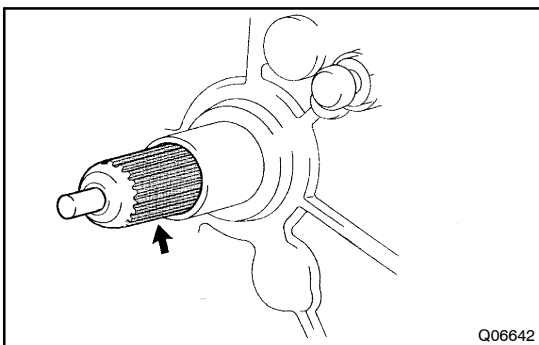
- Release fork and hub contact point
- Release fork and push rod contact point
- Release fork pivot point



(b) 2UZ -FE Engine:

Apply release hub grease to these parts:

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



(c) Apply clutch spline grease.

- Clutch disc spline

HINT:

Recommended grease part number 08887 -01706 (100 g).

4. INSTALL BOOT, RELEASE BEARING AND FORK TO TRANSMISSION

Install the boot and bearing to the release fork, and then install them to the transmission.

HINT:

2UZ-FE Engine:

Check that the push rod of the clutch release cylinder does not come off the release fork through the service hole of the clutch housing.

5. INSTALL TRANSMISSION TO ENGINE

- H151F M/T: [See page MT-9, MT-14](#)
- R151F M/T: [See page MT-7](#)

HINT:

1FZ-FE, 2UZ -FE Engine:

- When replacing the clutch disc, also replace the clutch cover.
- After replacing the clutch cover and clutch disc, operate the pedal 10 times with full stroke so that the diaphragm spring posture is reset at the initial setting. Right after the replacement pedal operation force may feel heavy, but this does not indicate abnormality. By repeating the pedal operation mentioned above, the specified operation force will be attained.