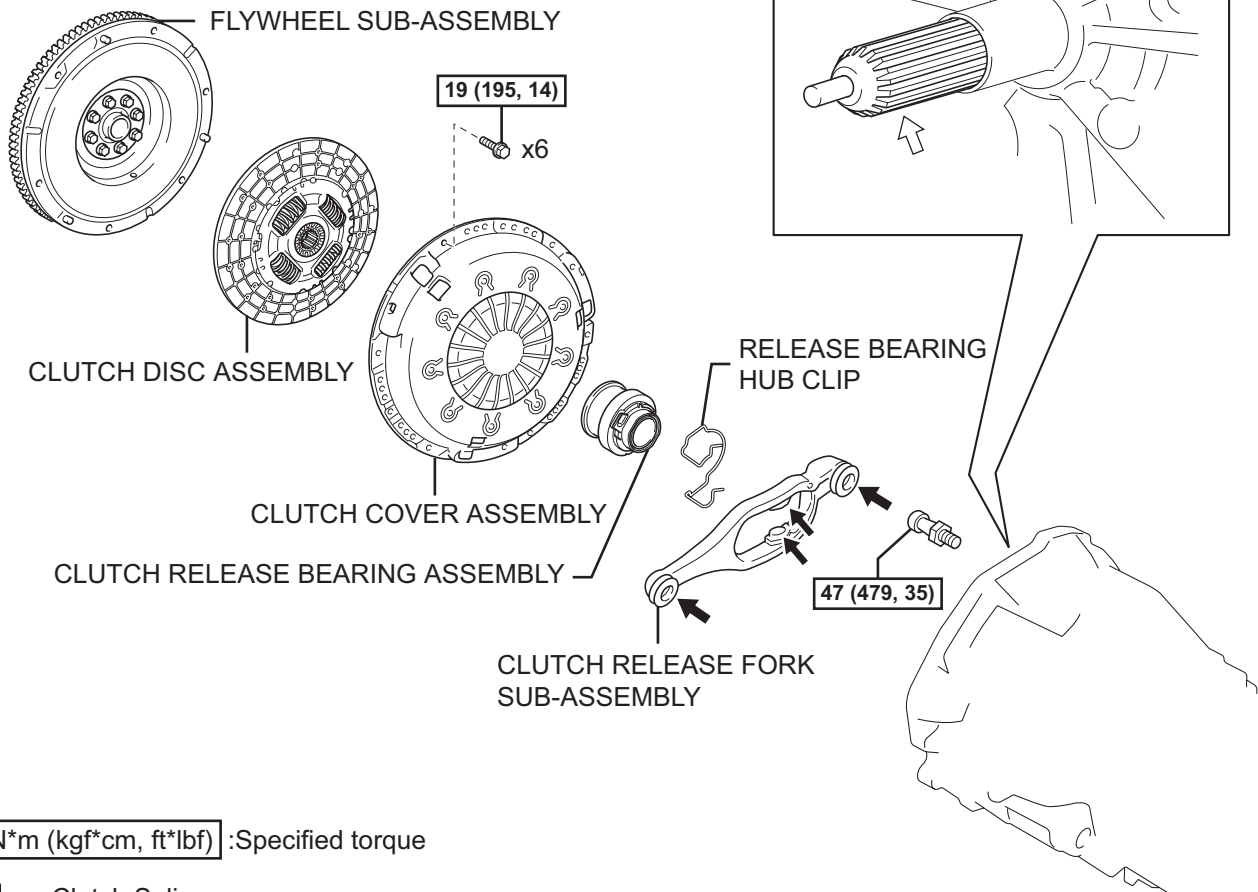


CLUTCH UNIT (for RA60F)

COMPONENTS

CL



$\boxed{\text{N}\cdot\text{m (kgf}\cdot\text{cm, ft}\cdot\text{lbf)}}$:Specified torque

← Clutch Spline grease

← Release hub grease

Y

C114215E01

REMOVAL

1. REMOVE MANUAL TRANSMISSION UNIT ASSEMBLY

(See page [MT-6](#))

2. REMOVE CLUTCH RELEASE FORK SUB-ASSEMBLY

- Remove the clutch release fork together with the clutch release bearing from the transmission assembly.

3. REMOVE CLUTCH RELEASE BEARING ASSEMBLY

- Remove the clutch release bearing assembly from the clutch release fork.

4. REMOVE RELEASE FORK SUPPORT

- Remove the release fork support from the transaxle assembly.

5. REMOVE RELEASE BEARING HUB CLIP

6. REMOVE CLUTCH COVER ASSEMBLY

- Align the matchmark on the clutch cover assembly with the one on the flywheel sub-assembly.
- Loosen each set bolt one turn at a time until the spring tension is released.
- Remove the 6 bolts and clutch cover assembly.

NOTICE:

Do not drop the clutch disc assembly.

7. REMOVE CLUTCH DISC ASSEMBLY

NOTICE:

Keep the lining part of the clutch disc assembly, pressure plate and surface of the flywheel sub-assembly free from oil and foreign matter.

INSPECTION

1. INSPECT CLUTCH DISC ASSEMBLY

- Using vernier calipers, measure the rivet head depth.

Maximum rivet depth:

0.3 mm (0.012 in.)

If necessary, replace the clutch disc assembly.

- Install the clutch disc assembly onto the transaxle assembly.

NOTICE:

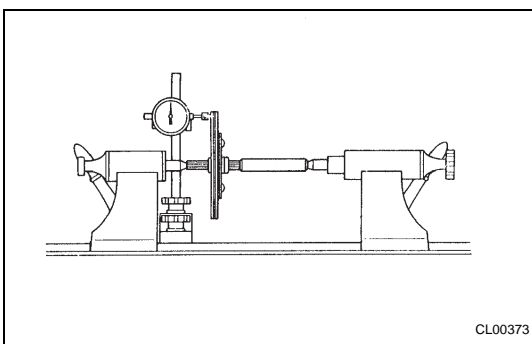
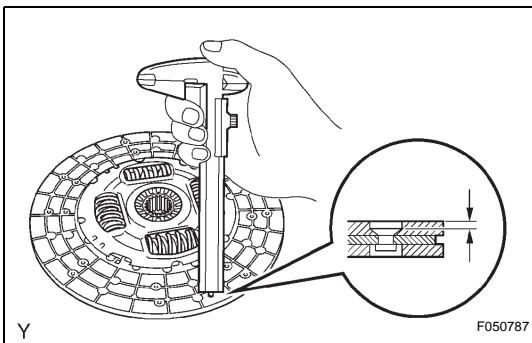
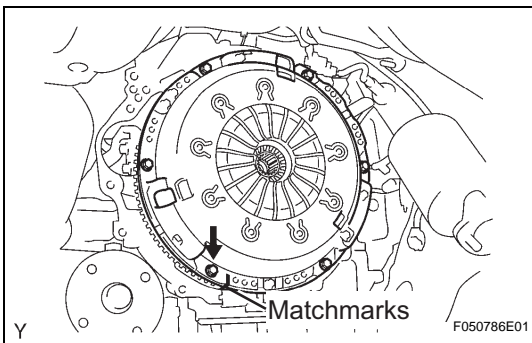
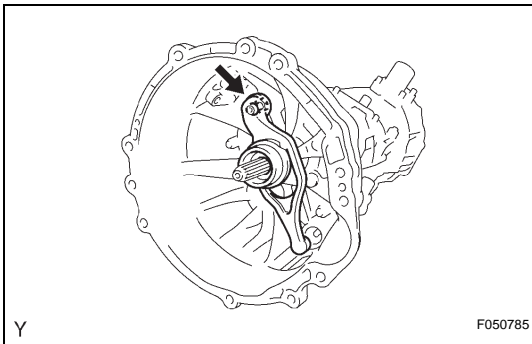
Take care not to insert the clutch disc assembly in the wrong orientation.

- Using a dial indicator, check the clutch disc assembly runout.

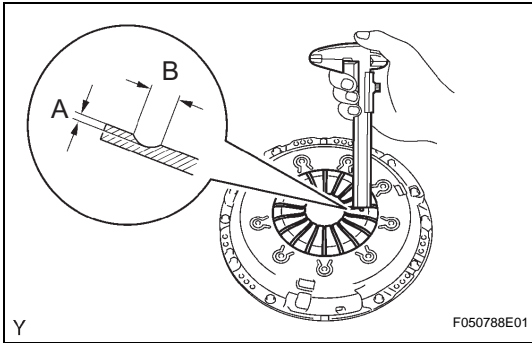
Minimum runout:

1.0 mm (0.039 in.)

If necessary, replace the clutch disc assembly.



CL



2. INSPECT CLUTCH COVER ASSEMBLY

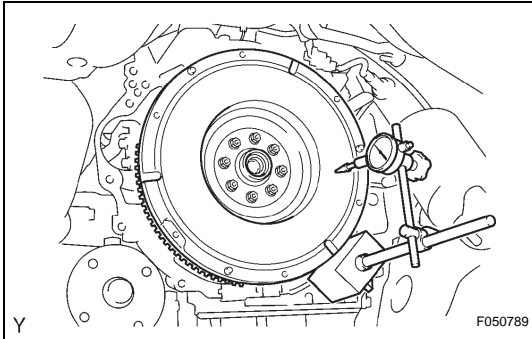
- (a) Using vernier calipers, inspect the depth and width of wear of the diaphragm spring.

Minimum:

A (Depth): 0.5 mm (0.020 in.)

B (Width): 6.0 mm (0.236 in.)

If necessary, replace the clutch cover assembly.



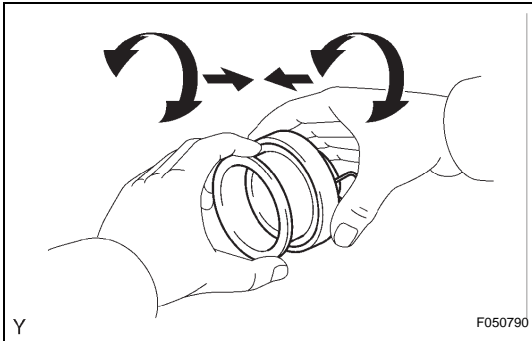
3. INSPECT FLYWHEEL SUB-ASSEMBLY

- (a) Using a dial indicator, inspect the flywheel sub-assembly runout.

Maximum runout:

0.1 mm (0.004 in.)

If necessary, replace the flywheel sub-assembly.



4. INSPECT CLUTCH RELEASE BEARING ASSEMBLY

- (a) Turn the release bearing by hand while applying force in the axial direction.

HINT:

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

If necessary, replace the release bearing assembly.

INSTALLATION

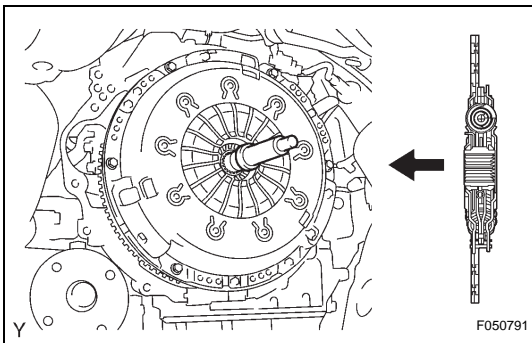
1. INSTALL CLUTCH DISC ASSEMBLY

- (a) Insert SST into the clutch disc assembly, then insert them into the flywheel sub-assembly.

SST 09301-00220

NOTICE:

Take care not to insert the clutch disc assembly in the wrong orientation.



2. INSTALL CLUTCH COVER ASSEMBLY

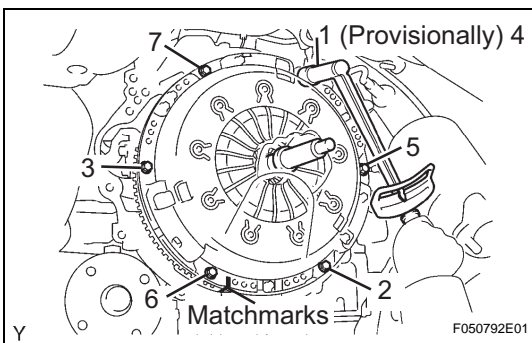
- (a) Align the matchmarks on the clutch cover assembly and flywheel sub-assembly.

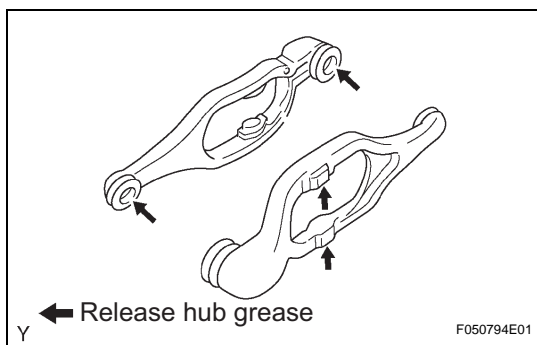
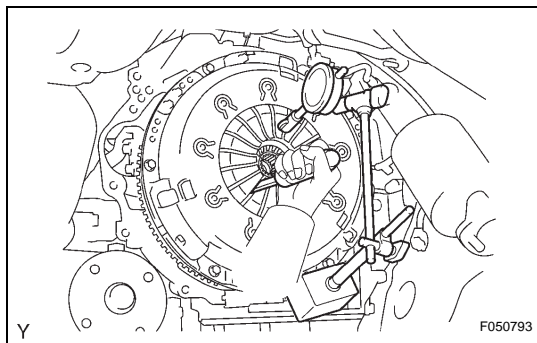
- (b) Following the procedures shown in the illustration, tighten the 6 bolts, in the order starting with the bolt located near the knock pin on the top.

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

HINT:

- Following the order in the illustration, uniformly tighten the bolts.





- Move SST up and down, right and left lightly, after checking that the disc is in the center, and tighten the bolts.

3. INSPECT AND ADJUST CLUTCH COVER ASSEMBLY

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

Maximum non-alignment:

0.5 mm (0.020 in.)

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

SST 09333-00013

4. INSTALL RELEASE FORK SUPPORT

- (a) Install the release fork support onto the transaxle assembly.

Torque: 47 N*m (479 kgf*cm, 35 ft.*lbf)

5. INSTALL RELEASE BEARING HUB CLIP

6. INSTALL CLUTCH RELEASE FORK SUB-ASSEMBLY

- (a) Apply release hub grease to the release fork and release the bearing assembly contact surfaces, release fork and push rod contact surface and release fork pivot point.

Sealant:

Part No. 08887-01806, RELEASE HUB GREASE or equivalent

- (b) Install the release fork onto the release bearing assembly.

7. INSTALL CLUTCH RELEASE BEARING ASSEMBLY

- (a) Apply clutch spline grease to the input shaft spline.

Sealant:

Part No. 08887-01706, CLUTCH SPLINE GREASE or equivalent

- (b) Install the bearing onto the release fork, and then install them onto the transaxle assembly.

NOTICE:

After installation, move the fork forward and backward to check that the release bearing slides smoothly.

8. INSTALL MANUAL TRANSMISSION UNIT ASSEMBLY

(See page [MT-8](#))

CL