CLUTCH UNIT

4202K–01

OVERHAUL

1. REMOVE MANUAL TRANSAXLE ASSY
(See page 41–11)

2. REMOVE CLUTCH RELEASE FORK BOOT

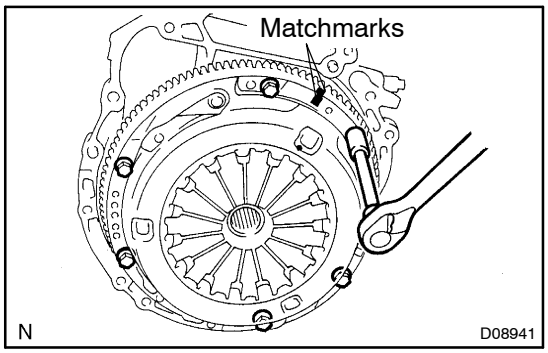
3. REMOVE CLUTCH RELEASE BEARING ASSY

4. REMOVE CLUTCH RELEASE FORK SUB–ASSY

5. REMOVE RELEASE BEARING HUB CLIP

6. REMOVE RELEASE FORK SUPPORT

(a) Remove the release fork support from the manual transaxle assy.



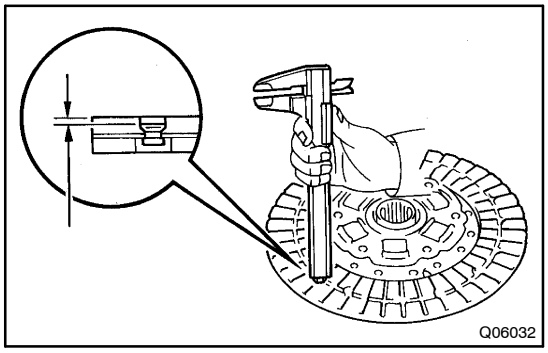
7. REMOVE CLUTCH COVER ASSY

(a) Place the matchmarks on the clutch cover assy with the one on the flywheel sub–assy.
(b) Loosen each set bolt one turn at a time until spring tension is released.
(c) Remove the set bolts and pull off the clutch cover assy.

NOTICE:
Do not drop the clutch disc assy.

8. REMOVE CLUTCH DISC ASSY

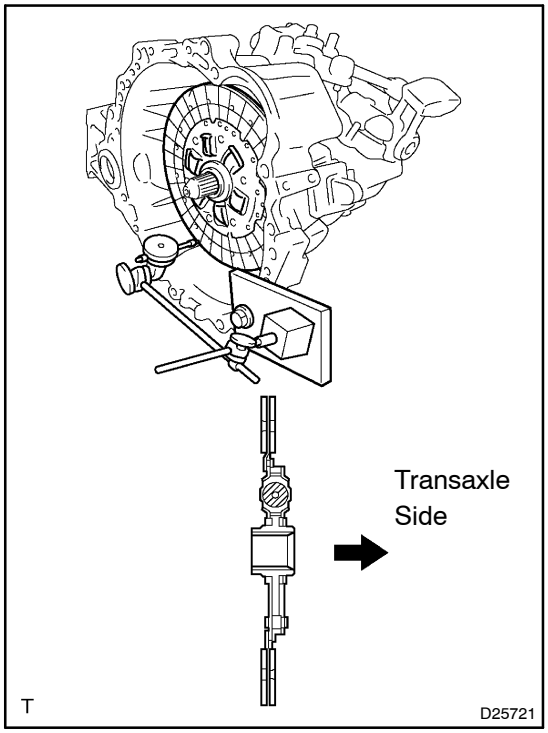
NOTICE:
Keep the lining part of the clutch disc assy, the pressure plate and surface of the flywheel sub–assy away from oil and foreign attachment.



9. INSPECT CLUTCH DISC ASSY

(a) Using vernier calipers, measure the rivet head depth.
Maximum rivet depth: 0.3 mm (0.012 in.)

If necessary, replace the clutch disc assy.



(b) Install the clutch disc assy to the transaxle assy.

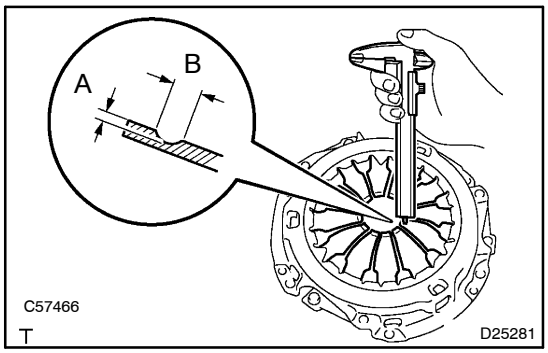
NOTICE:

Take care not to insert the clutch disc assy in the wrong direction

(c) Using a dial indicator, check the clutch disc assy runout.

Minimum runout: 0.8 mm (0.031 in.)

If necessary, replace the clutch disc assy.



10. INSPECT CLUTCH COVER ASSY

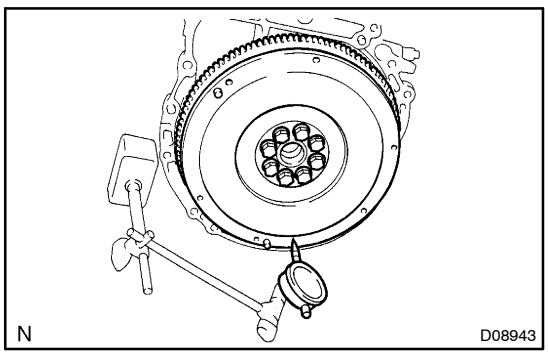
(a) Using vernier calipers, inspect the diaphragm spring for depth and width of wear.

Maximum:

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

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

If necessary, replace clutch cover assy.

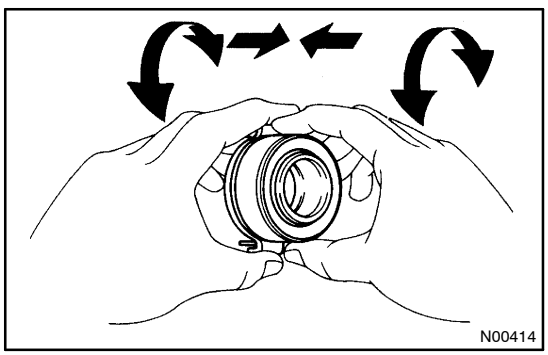


11. INSPECT FLYWHEEL SUB–ASSY

(a) Using a dial indicator, inspect the flywheel sub–assy runout.

Maximum runout: 0.1 mm (0.004 in.)

If necessary, replace the flywheel sub–assy.



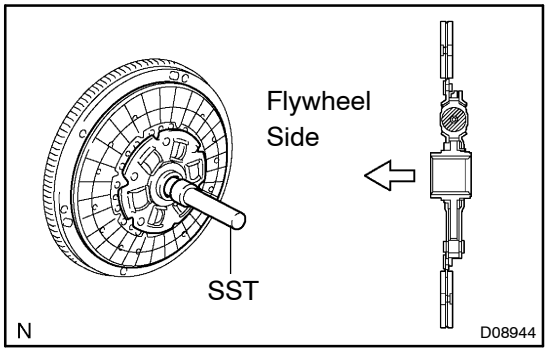
12. INSPECT CLUTCH RELEASE BEARING ASSY

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

HINT:

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

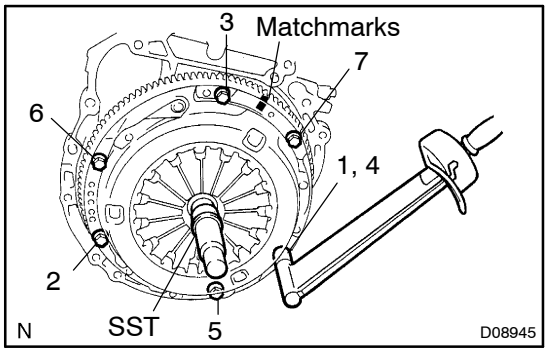
If necessary, replace the release bearing assy.



13. INSTALL CLUTCH DISC ASSY

(a) Insert SST in the clutch disc assy, then insert them in the flywheel sub–assy.
SST 09301–00220

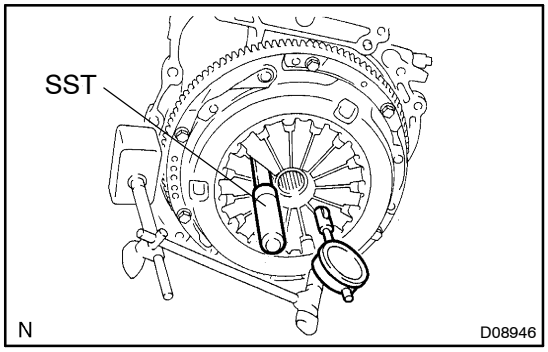
NOTICE:
Take care not to insert clutch disc assy in the wrong direction.



14. INSTALL CLUTCH COVER ASSY

(a) Align the matchmarks on the clutch cover assy and flywheel sub–assy.
(b) Following the procedures shown in the illustration, tighten the 6 bolts, in the order starting the bolt locating near the knock pin on the top.
Torque: 19.1 N·m (195 kgf·cm, 14 ft·lbf)

HINT:
- Following the order in the illustration, tighten the bolts at a time evenly.
- Move SST up and down, right and left lightly, after checking that the disc is in the center, tighten the bolts.



15. INSPECT AND ADJUST CLUTCH COVER ASSY

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

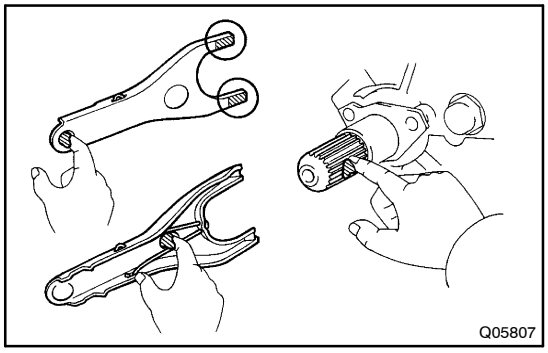
If alignment is not as specified, using SST, adjust the diaphragm spring tip alignment.
SST 09333–00013

16. INSTALL RELEASE FORK SUPPORT

(a) Install the release fork support to the manual transaxle assy.
Torque: 47.1 N·m (480 kgf·cm, 35 ft·lbf)

17. INSTALL RELEASE BEARING HUB CLIP

(a) Install the release bearing hub clip to the release bearing assy.



18. INSTALL CLUTCH RELEASE FORK SUB–ASSY

(a) Apply release hub grease to the release fork and release bearing assy contact, release fork and push rod contact and release fork pivot points.
Sealant:
Part No. 08887–01806, RELEASE HUB GREASE or equivalent

(b) Install the release fork to the release bearing assy.

19. INSTALL CLUTCH RELEASE BEARING ASSY

(a) Apply the clutch spline grease to the input shaft spline.
Sealant:
Part No. 08887–01706, CLUTCH SPLINE GREASE or equivalent

(b) Install the the release fork with release bearing assy to the manual transaxle assy.

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

20. INSTALL CLUTCH RELEASE FORK BOOT

21. INSTALL MANUAL TRANSAXLE ASSY
(See page 41–11)