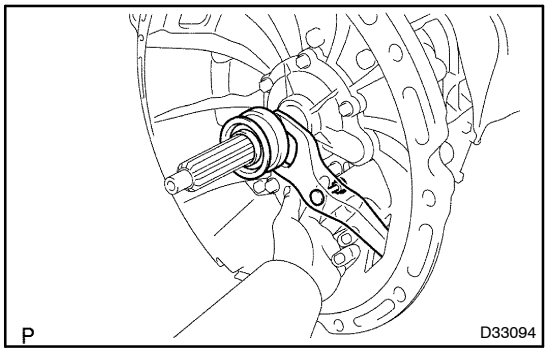
42067–02

OVERHAUL

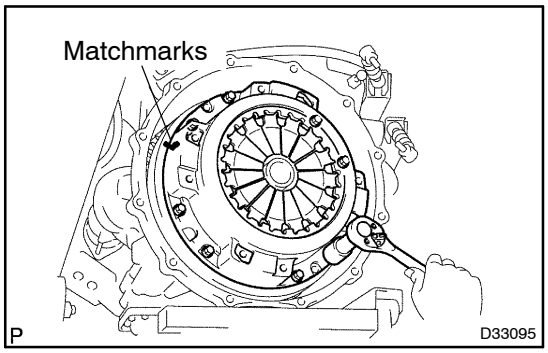
1. REMOVE MANUAL TRANSMISSION UNIT ASSY (See page 41–3)



2. REMOVE CLUTCH RELEASE BEARING ASSY

3. REMOVE CLUTCH RELEASE FORK BOOT

4. REMOVE CLUTCH RELEASE FORK SUB–ASSY



5. REMOVE CLUTCH COVER ASSY

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

(b) Loosen each set bolt one turn at a time until the spring tension is released.

(c) Remove the set bolts and pull off the clutch cover together with the clutch disc.

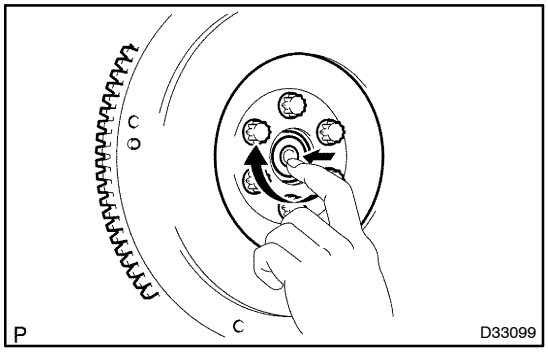
NOTICE:

Do not drop the clutch disc.

6. REMOVE CLUTCH DISC ASSY

NOTICE:

Keep the lining part of the clutch disc, the pressure plate and the surface of the flywheel away from oil and foreign objects.



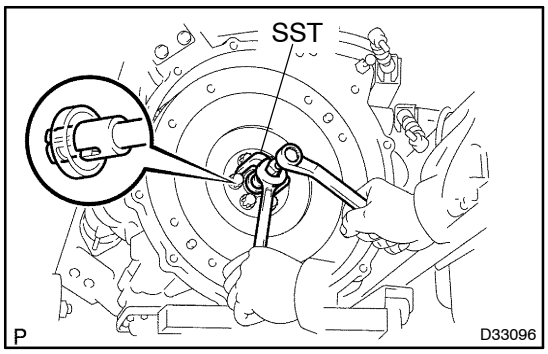
7. INSPECT PILOT BEARING

(a) Turn the bearing by hand while applying force in the rotation direction.

If the bearing cannot be turned smoothly, replace the pilot bearing.

HINT:

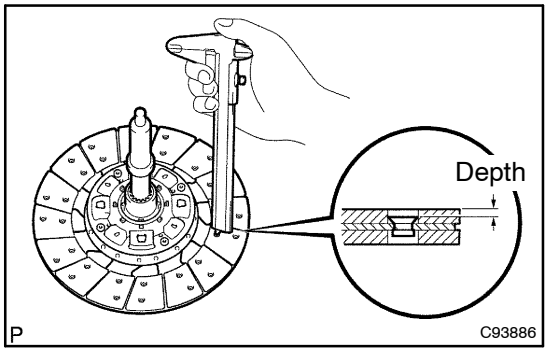
The bearing is permanently lubricated and requires no cleaning or lubrication.



8. REMOVE PILOT BEARING

(a) Using SST, remove the pilot bearing.

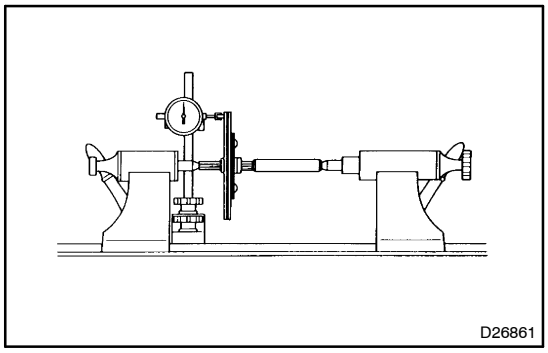
SST 09303–35011



9. INSPECT CLUTCH DISC ASSY

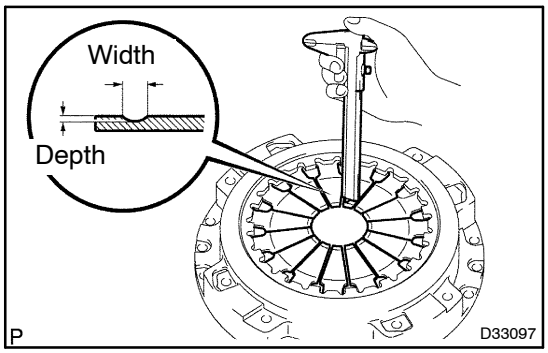
(a) Using a vernier caliper, measure the rivet head depth.
Minimum rivet head depth: 0.3 mm (0.012 in.)

If necessary, replace the clutch disc assy.



(b) Using a dial indicator, measure the disc runout.
Maximum runout: 1.0 mm (0.039 in.)

If necessary, replace the clutch disc assy.

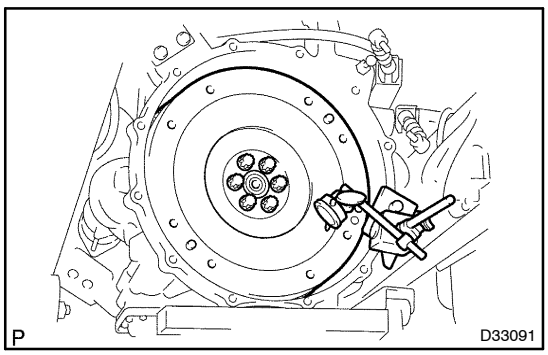


10. INSPECT CLUTCH COVER ASSY

(a) Using a vernier caliper, measure the worn depth and width of the diaphragm spring.
Standard:

Worn depth	0.6 mm (0.024 in.)
Worn width	5.0 mm (0.197 in.)

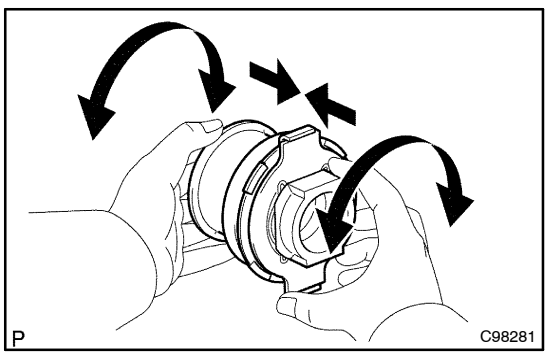
If necessary, replace clutch cover assy.



11. INSPECT FLYWHEEL SUB–ASSY

(a) Using a dial indicator, measure the flywheel runout.
Maximum runout: 0.1 mm (0.004 in.)

If necessary, replace the flywheel sub–assy.



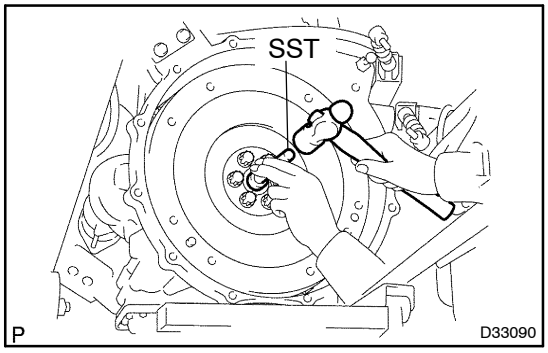
12. INSPECT CLUTCH RELEASE BEARING ASSY

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

If necessary, replace the release bearing assy.

HINT:

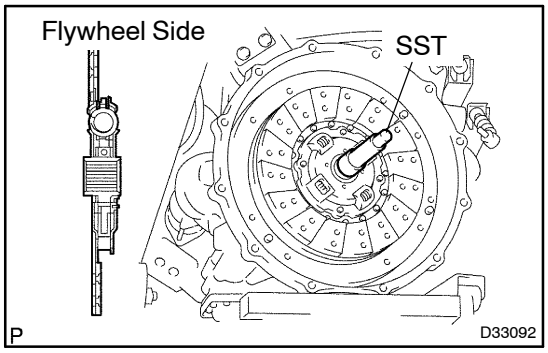
The bearing is permanently lubricated and requires no cleaning or lubrication.



13. INSTALL PILOT BEARING

(a) Using SST and a hammer, tap in a new pilot bearing.
SST 09304–12012

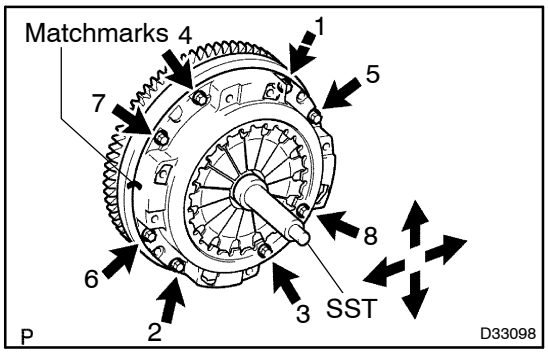
HINT:
After assembling the input shaft bearing to the hub, make sure that it rotates smoothly.



14. INSTALL CLUTCH DISC ASSY

(a) Insert SST into the clutch disc, then insert them into the flywheel.
SST 09301–00120

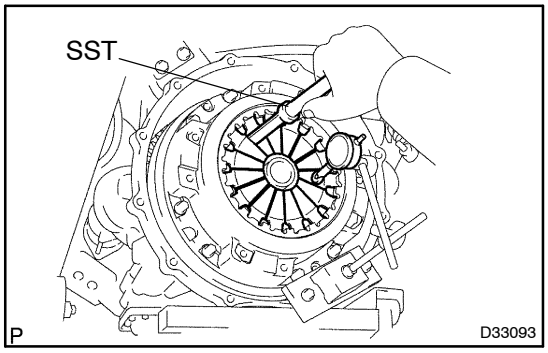
NOTICE:
Take care not to insert the clutch disc in the wrong direction.



15. INSTALL CLUTCH COVER ASSY

(a) Align the matchmarks on the clutch cover and flywheel.
(b) As shown in the illustration, tighten the bolts in the order, starting from the bolt near the knock pin on the top.
Torque: 43.1 N·m (440 kgf·cm, 32 ft·lbf)

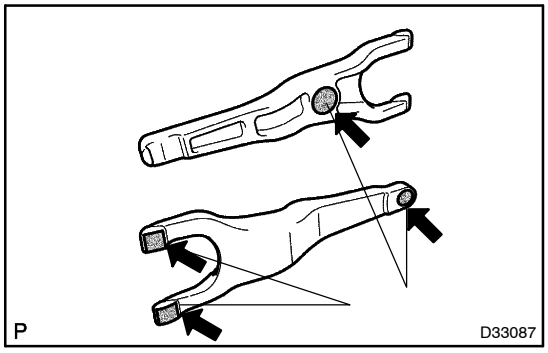
HINT:
- Following the order in the illustration, gradually tighten the bolts one at a time.
- Check that the disc is in the center. Then, lightly move SST up and down, right and left and tighten the bolts.
SST 09301–00120



16. INSPECT AND ADJUST CLUTCH COVER ASSY

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

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

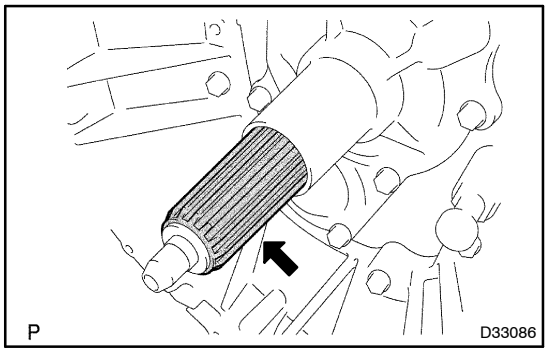


17. INSTALL CLUTCH RELEASE FORK SUB–ASSY

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

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

18. INSTALL CLUTCH RELEASE FORK BOOT



19. INSTALL CLUTCH RELEASE BEARING ASSY

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

(b) Install the bearing to the release fork, and then install them to the transmission unit.

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

20. INSTALL MANUAL TRANSMISSION UNIT ASSY (See page 41–3)