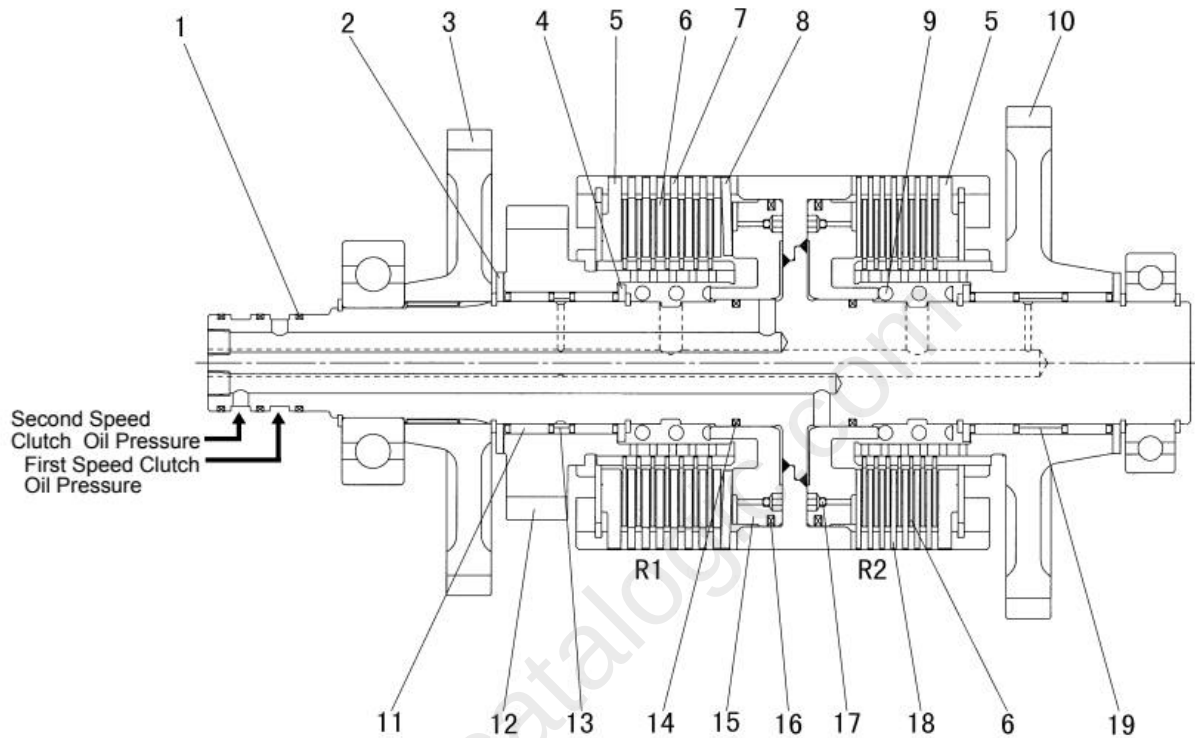




Service Manual

Drive Unit

FD70NH	30E-00001-09999
FD80NH	30F-00001-09999
FD100NH	30G-00001-09999



- | | |
|---------------------|---------------------|
| 1. SEAL RING | 11. NEEDLE BEARING |
| 2. THRUST PLATE | 12. 1st CLUTCH GEAR |
| 3. COUNTER GEAR | 13. SPACER |
| 4. THRUST PLATE | 14. SEAL RING |
| 5. END PLATE | 15. PISTON |
| 6. FRICTION PLATE | 16. SEAL RING |
| 7. SEPARATOR PLATE | 17. CHECK BALL |
| 8. CONICAL PLATE | 18. SEPERATER PLATE |
| 9. RETURN SPRING | 19. SPACER |
| 10. 2nd CLUTCH GEAR | |

Fig. 2.9 Reverse Clutch Pack

- ② Remove the five bolts securing the parking shaft cap to the transmission case. Remove the cap.

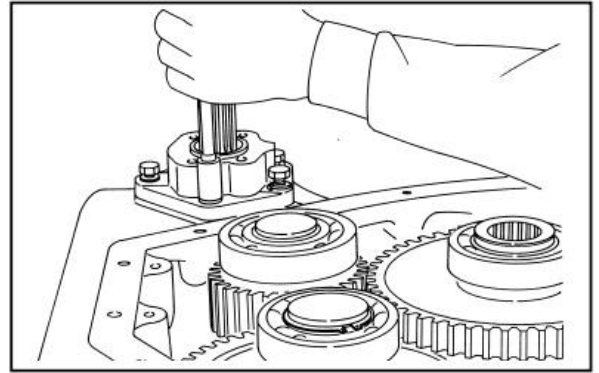


Fig. 3.24

- ③ Pull out the parking shaft upward from the transmission case. Remove the shaft bearing with the help of a puller.

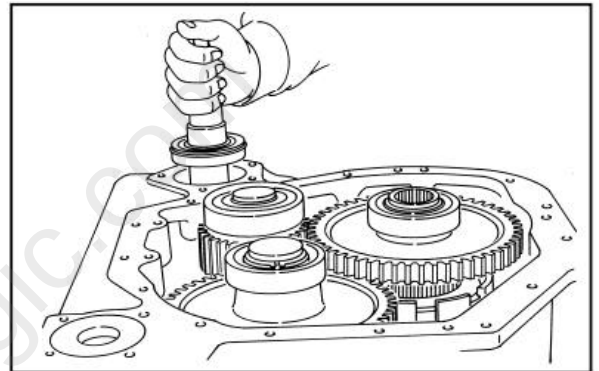


Fig. 3.25

- ④ Lift the forward clutch shaft with a hoist and remove it from the transmission case.

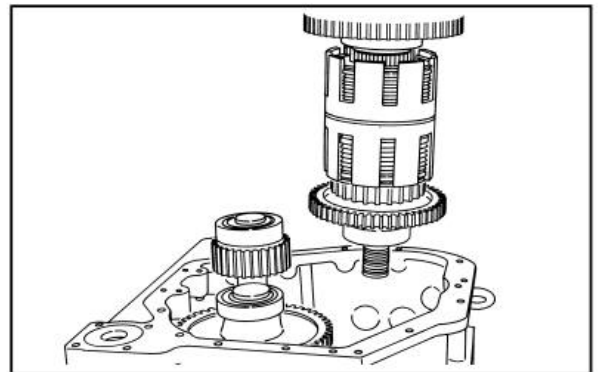


Fig. 3.26

- ⑤ Lift the reverse clutch shaft with a hoist and remove it from the transmission case.

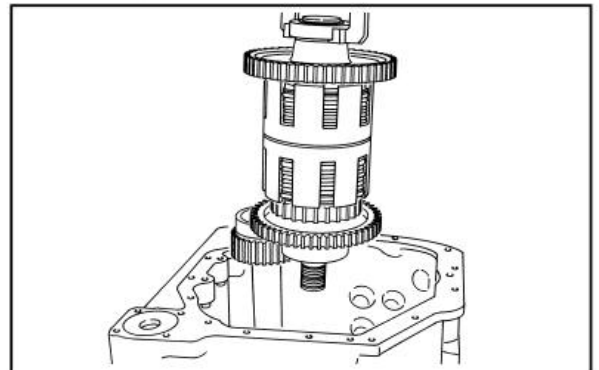
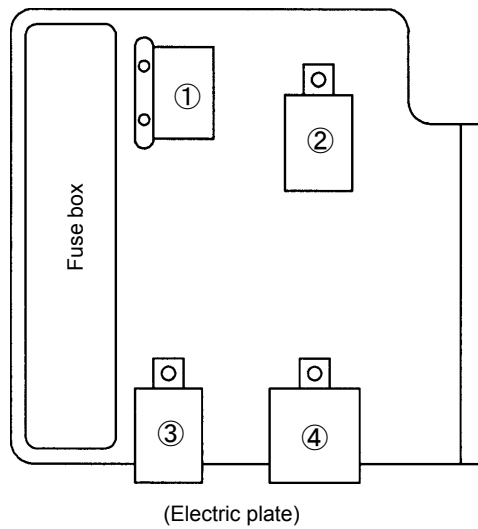


Fig. 3.27

Check B. Checking relays



Color of harness
 Relay ① : Neutral relay (BR, Br, Y, WR)
 Relay ② : Safety relay (GY, B, LR, Br)
 Relay ③ : F/R relay (F) (G, B, YR, Lg)
 Relay ④ : F/R relay (R) (YR, WY, YR, V)

Fault	Remedy
Engine won't start	Replace relays ① , ② , ③ and ④ .
Truck moves in neither forward nor reverse	Replace relays ③ and ④ .
Truck does not move in forward	Replace relay ③ .
Truck does not move in reverse	Replace relay ④ .

- ⑨ Fit the conical plate in the clutch drum, engaging the plate with the drum lug.

Note: Point the convex part to the piston side.

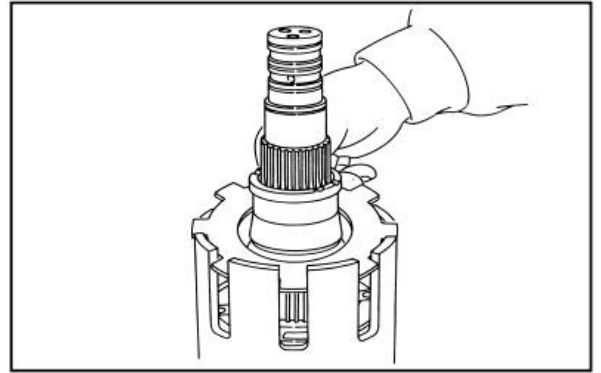


Fig. 4.37

- ⑩ Install the separator plate.

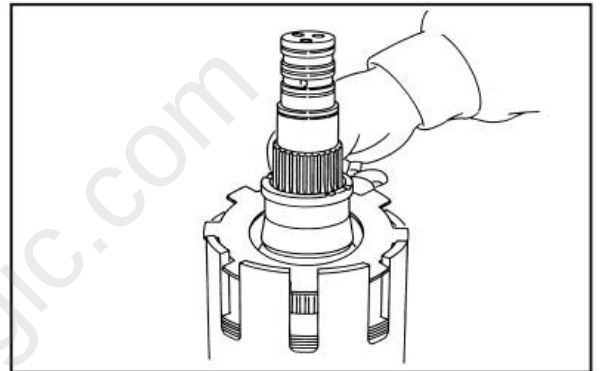


Fig. 4.38

- ⑪ Fit the friction plate, engaging with the splines of the jig. Alternate the seven separator plates and seven friction plates.

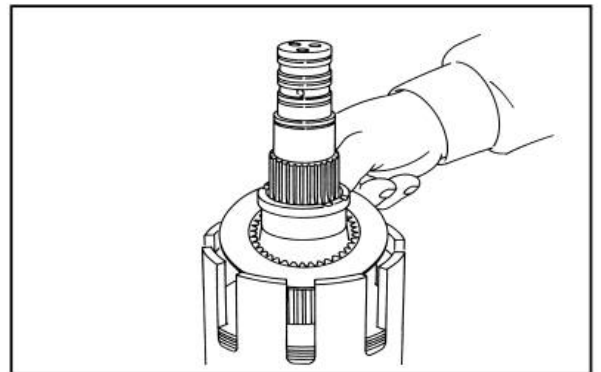


Fig. 4.39

- ⑫ Fit the end plate. Attach the snap ring.

Note: Point the stepped part of the end plate outside.

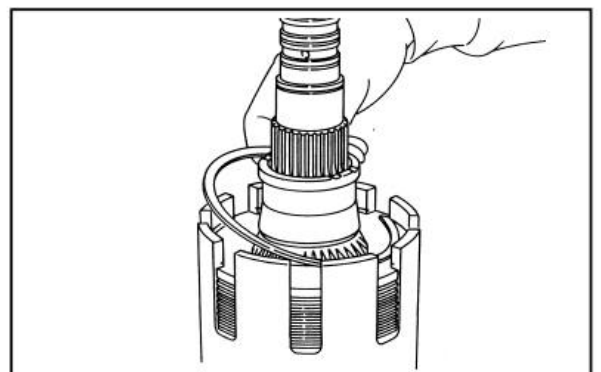


Fig. 4.40

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