REAR DIFFERENTIAL CARRIER OIL SEAL (4WD)

2909X–01

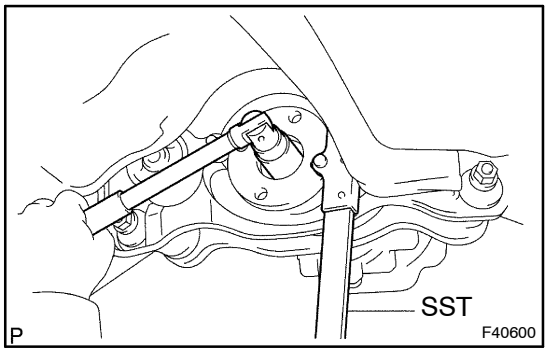
REPLACEMENT

1. **REMOVE EXHAUST PIPE ASSY (SEE PAGE 15–2)**
2. **REMOVE PROPELLER W/CENTER BEARING SHAFT ASSY (SEE PAGE 30–11)**
3. **REMOVE REAR DIFFERENTIAL FILLER PLUG**

(a) Using a hexagon wrench (10 mm), remove the filler plug and gasket.

4. **REMOVE REAR DIFFERENTIAL DRAIN PLUG**

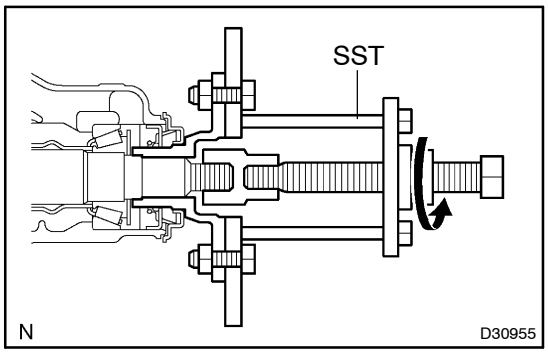
(a) Using a hexagon wrench (10 mm), remove the drain plug and gasket, and drain the oil.



5. **REMOVE REAR DRIVE PINION NUT**

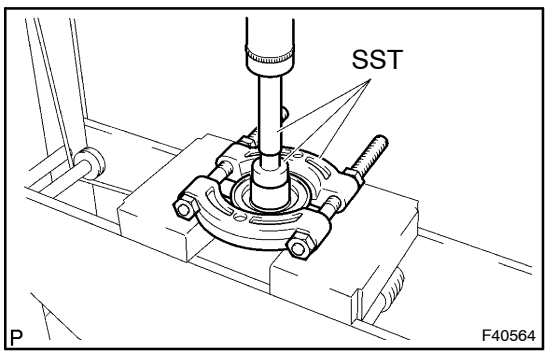
(a) Using a chisel and a hammer, unstake the staked part of the nut.

(b) Using SST to hold the flange, remove the nut.
SST 09330–00021



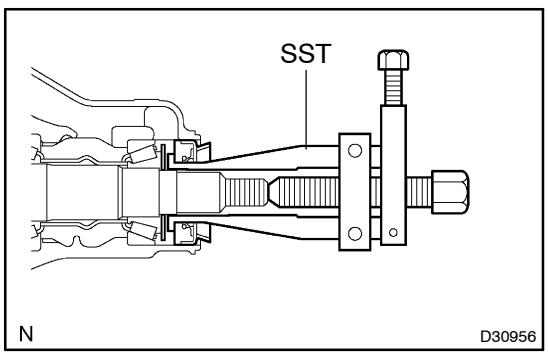
6. **REMOVE REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR**

(a) Using SST, remove the companion flange.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03020)



7. **REMOVE REAR DIFFERENTIAL DUST DEFLECTOR**

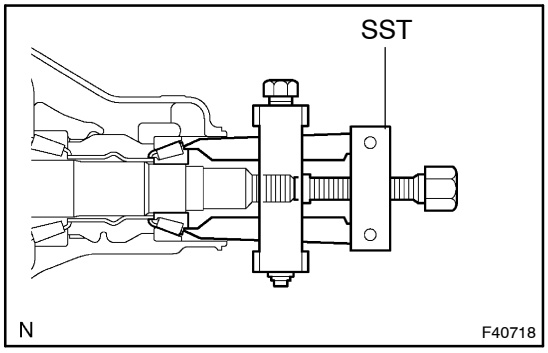
(a) Using SST and a press, remove the dust deflector.
SST 09950–00020, 09950–60010 (09951–00360), 09950–70010 (09951–07150)



8. **REMOVE REAR DIFFERENTIAL CARRIER OIL SEAL**

(a) Using SST, remove the oil seal.
SST 09308–10010

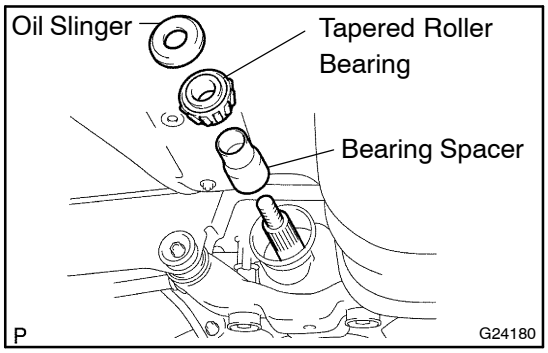
9. **REMOVE REAR DIFFERENTIAL DRIVE PINION OIL SLINGER**



10. REMOVE REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

(a) Using SST, remove the front tapered roller bearing.
SST 09556–22010

11. REMOVE REAR DIFFERENTIAL DRIVE PINION BEARING SPACER



12. INSTALL REAR DIFFERENTIAL DRIVE PINION BEARING SPACER

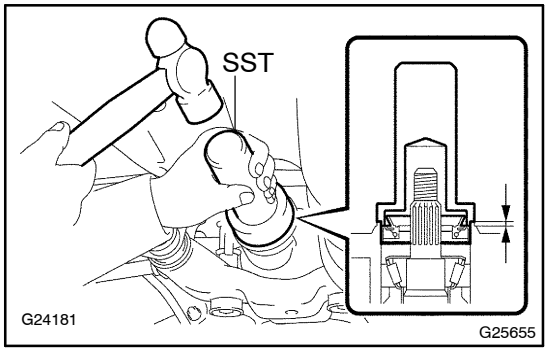
(a) Install a new bearing spacer.

13. INSTALL REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

(a) Install the tapered roller bearing.

14. INSTALL REAR DIFFERENTIAL DRIVE PINION OIL SLINGER

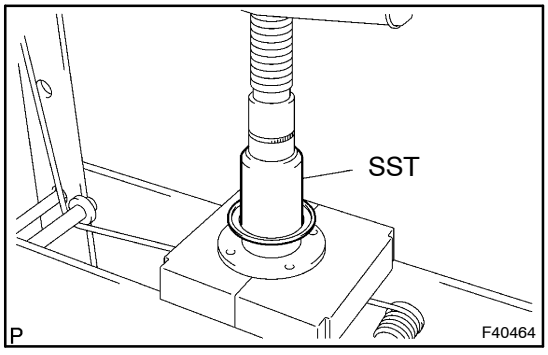
(a) Install the oil slinger.



15. INSTALL REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST and a hammer, install a new oil seal.
Oil seal drive in depth:
2.0 ± 0.3 mm (0.079 ± 0.012 in.)

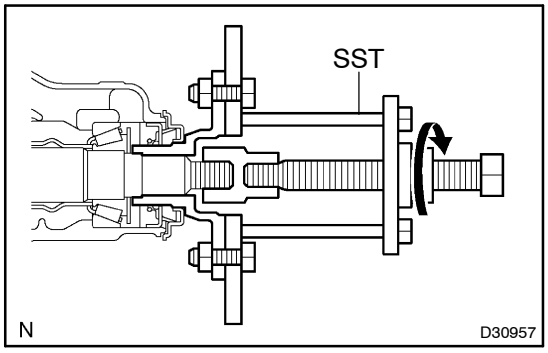
(b) Coat MP grease to the oil seal lip.
SST 09554–22010



16. INSTALL REAR DIFFERENTIAL DUST DEFLECTOR

(a) Using SST and a press, install a new dust deflector.
SST 09223–00010

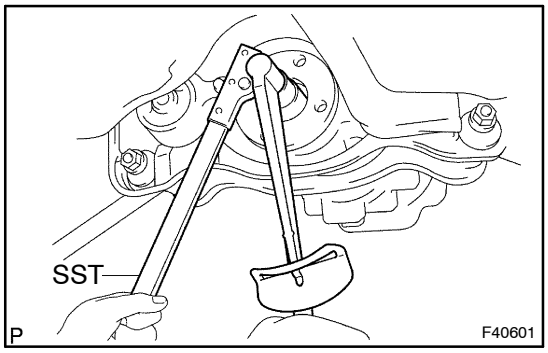
NOTICE:
Be careful not to damage the dust deflector.



17. INSTALL REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR

(a) Using SST, install the companion flange on the shaft.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03020)

NOTICE:
Apply hypoid gear oil to the SST center bolt tip and threads before use.



18. INSTALL REAR DRIVE PINION NUT

(a) Coat the threads of a new nut with hypoid gear oil LSD.
(b) Using SST to hold the flange, torque the nut.
SST 09330–00021
Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)

19. INSPECT DIFFERENTIAL DRIVE PINION PRELOAD (SEE PAGE 29–12)
20. INSTALL REAR DRIVE PINION NUT

(a) Using a chisel and a hammer, stake the drive pinion nut.

21. INSTALL PROPELLER W/CENTER BEARING SHAFT ASSY (SEE PAGE 30–11)
22. INSTALL REAR DIFFERENTIAL DRAIN PLUG

(a) Using a hexagon wrench (10 mm), install the drain plug and a new gasket.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

23. ADD DIFFERENTIAL OIL

(a) Fill the rear differential carrier assy with hypoid gear oil.
Oil grade: Hypoid gear oil API GL–5
Recommended oil viscosity:
Above –18°C (0°F) SAE 90
Below –18°C (0°F) SAE 80W or 80W–90
Capacity: 0.9 ± 0.05 liters (0.95 ± 0.05 US qts, 0.79 ± 0.04 Imp. qts)

24. INSPECT DIFFERENTIAL OIL (SEE PAGE 29–6)
25. INSTALL REAR DIFFERENTIAL FILLER PLUG

(a) Using a hexagon wrench (10 mm), install the filler plug and a new gasket.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

26. INSTALL EXHAUST PIPE ASSY (SEE PAGE 15–2)
27. CHECK FOR EXHAUST GAS LEAKS