REAR DIFFERENTIAL SIDE GEAR SHAFT SEAL OIL (4WD)

2908E–02

REPLACEMENT

HINT:

- Differential components (see page 29–3)
- Rear drive shaft components (see page 30–40)
- Replace the RH side following the same procedures as for the LH side.

1. REMOVE REAR WHEEL

2. REMOVE EXHAUST PIPE ASSY (SEE PAGE 15–2)

HINT:

Perform this procedure only when removing the RH side.

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. SEPARATE SPEED SENSOR REAR LH (SEE PAGE 30–40)

6. REMOVE REAR AXLE SHAFT LH NUT (SEE PAGE 30–40)

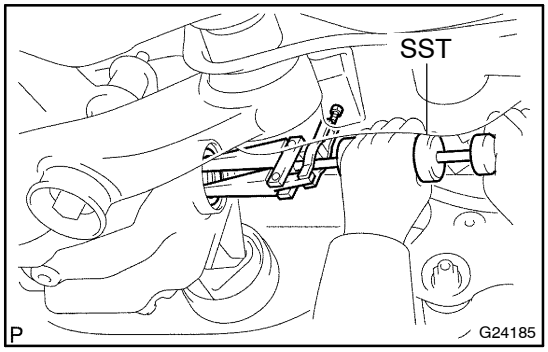
SST 09930–00010

7. SEPARATE REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27–13)

8. SEPARATE STRUT ROD ASSY REAR (SEE PAGE 27–10)

9. SEPARATE REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27–13)

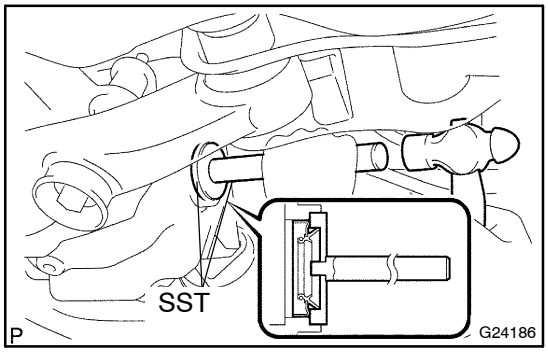
10. REMOVE REAR DRIVE SHAFT ASSY LH (SEE PAGE 30–40)



11. REMOVE REAR DIFFERENTIAL SIDE GEAR SHAFT SEAL OIL

(a) Using SST, remove the oil seal.

SST 09308–00010



12. INSTALL REAR DIFFERENTIAL SIDE GEAR SHAFT SEAL OIL

(a) Using SST and a hammer, install a new oil seal until it is flush with the carrier end surface.

SST 09550–00032, 09950–70010 (09951–07200)

Oil seal drive in depth:

0 ± 0.5 mm (0 ± 0.019 in.)

(b) Apply MP grease to the oil seal lip.

13. INSTALL REAR DRIVE SHAFT ASSY LH (SEE PAGE 30–40)

14. TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27–13)

15. TEMPORARILY TIGHTEN STRUT ROD ASSY REAR (SEE PAGE 27–10)

16. TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27–13)

17. INSTALL REAR AXLE SHAFT LH NUT (SEE PAGE 30–40)
SST 09930–00010
18. INSTALL SPEED SENSOR REAR LH (SEE PAGE 30–40)
19. STABILIZE SUSPENSION (SEE PAGE 27–10)
20. FULLY TIGHTEN REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27–13)
21. FULLY TIGHTEN STRUT ROD ASSY REAR (SEE PAGE 27–10)
22. FULLY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27–13)
23. INSTALL EXHAUST PIPE ASSY (SEE PAGE 15–2)
HINT:
Perform this procedure only when removing the RH side.
24. INSTALL REAR DIFFERENTIAL DRAIN PLUG
(a) Using a hexagon wrench (10 mm), install the drain plug with a new gasket.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)
25. 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)
26. INSPECT DIFFERENTIAL OIL (SEE PAGE 29–6)
27. INSTALL REAR DIFFERENTIAL FILLER PLUG
(a) Using a hexagon wrench (10 mm), install the filler plug with a new gasket.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)
28. INSTALL REAR WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
29. INSPECT AND ADJUST REAR WHEEL ALIGNMENT (SEE PAGE 27–4)
30. CHECK FOR EXHAUST GAS LEAKS
HINT:
Perform this procedure only when removing the RH side.
31. CHECK ABS SPEED SENSOR SIGNAL
(a) ABS WITH BA & EBD SYSTEM (SEE PAGE 05–156)
(b) ABS WITH EBD & BA & TRAC & VSC SYSTEM (SEE PAGE 05–234)