

REAR DIFFERENTIAL SIDE GEAR SHAFT SEAL OIL (4WD) REPLACEMENT

29085-02

HINT:

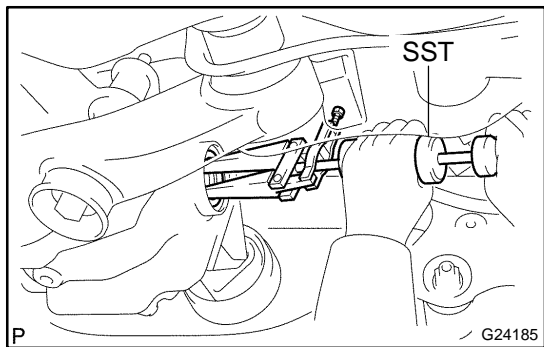
- Differential components (See page 29-3)
 - Rear drive shaft components (See page 30-4)
 - Replace the RH side following the same procedures as with the LH side.
1. **REMOVE REAR WHEEL**
 2. **REMOVE PROPELLER W/CENTER BEARING SHAFT ASSY (2AZ-FE ENGINE TYPE)**
(SEE PAGE 30-12)
SST 09325-20010

3. **REMOVE EXHAUST PIPE ASSY (2AZ-FE ENGINE TYPE) (SEE PAGE 15-2)**

HINT:

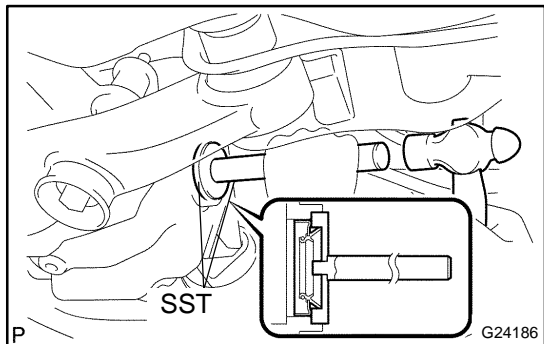
Perform this procedure only when removing the RH side.

4. **REMOVE EXHAUST PIPE ASSY (3MZ-FE ENGINE TYPE) (SEE PAGE 15-5)**
5. **REMOVE REAR DIFFERENTIAL FILLER PLUG**
(a) Using a hexagon wrench (10 mm), remove the filler plug and gasket.
6. **REMOVE REAR DIFFERENTIAL DRAIN PLUG**
(a) Using a hexagon wrench (10 mm), remove the drain plug and gasket, and drain the oil.
7. **SEPARATE SPEED SENSOR REAR LH (SEE PAGE 30-45)**
8. **REMOVE REAR AXLE SHAFT LH NUT (SEE PAGE 30-45)**
9. **SEPARATE REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27-18)**
10. **SEPARATE STRUT ROD ASSY REAR (SEE PAGE 27-13)**
11. **SEPARATE REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27-25)**
12. **REMOVE REAR DRIVE SHAFT ASSY LH (SEE PAGE 30-45)**



13. **REMOVE REAR DIFFERENTIAL SIDE GEAR SHAFT SEAL OIL**

- (a) Using SST, remove the oil seal.
SST 09308-00010



14. **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.
Oil seal drive in depth:
0 ± 0.5 mm (0 ± 0.019 in.)
- (b) Apply MP grease to the oil seal lip.
SST 09550-00032, 09950-70010 (09951-07200)

15. **INSTALL REAR DRIVE SHAFT ASSY LH (SEE PAGE 30-45)**
16. **TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27-25)**
17. **TEMPORARILY TIGHTEN STRUT ROD ASSY REAR (SEE PAGE 27-13)**
18. **TEMPORARILY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27-18)**
19. **INSTALL REAR AXLE SHAFT LH NUT (SEE PAGE 30-45)**
SST 09930-00010
20. **INSTALL SPEED SENSOR REAR LH (SEE PAGE 30-45)**
21. **STABILIZE SUSPENSION (SEE PAGE 27-13)**
22. **FULLY TIGHTEN REAR SUSPENSION ARM ASSY NO.2 LH (SEE PAGE 27-25)**
23. **FULLY TIGHTEN STRUT ROD ASSY REAR (SEE PAGE 27-13)**
24. **FULLY TIGHTEN REAR SUSPENSION ARM ASSY NO.1 LH (SEE PAGE 27-18)**
25. **INSTALL EXHAUST PIPE ASSY (3MZ-FE ENGINE TYPE) (SEE PAGE 15-5)**

HINT:

Perform this procedure only when removing the RH side.

26. **INSTALL EXHAUST PIPE ASSY (2AZ-FE ENGINE TYPE) (SEE PAGE 15-2)**

HINT:

Perform this procedure only when removing the RH side.

27. **INSTALL PROPELLER W/CENTER BEARING SHAFT ASSY (2AZ-FE ENGINE TYPE)
(SEE PAGE 30-12)**

HINT:

Perform this procedure only when removing the RH side.

28. **FULLY TIGHTEN PROPELLER W/CENTER BEARING SHAFT ASSY (2AZ-FE ENGINE TYPE)
(SEE PAGE 30-12)**

HINT:

Perform this procedure only when removing the RH side.

SST 09370-50010

29. **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)

30. **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)

31. **INSPECT DIFFERENTIAL OIL (SEE PAGE 29-5)**

32. **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)

33. **INSTALL REAR WHEEL**

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

34. **INSPECT AND ADJUST REAR WHEEL ALIGNMENT (SEE PAGE 27-5)**

35. **CHECK FOR EXHAUST GAS LEAKS**

HINT:

Perform this procedure only when removing the RH side.

36. **CHECK ABS SPEED SENSOR SIGNAL (SEE PAGE 05-765)**