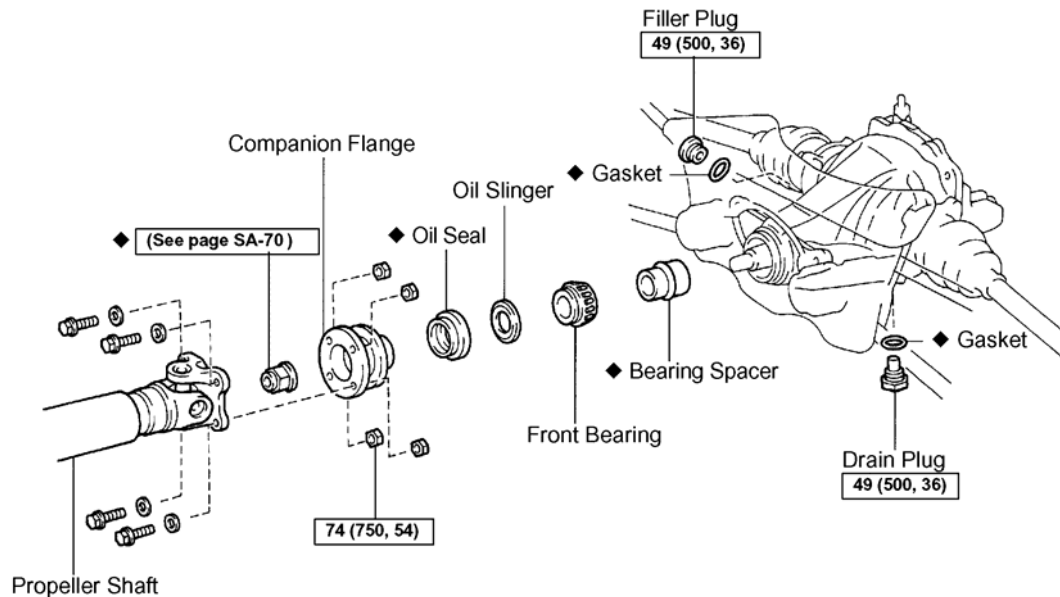


2004 DRIVELINE/AXLES

Rear Differential Front Oil Seal (4WD) - RAV4

COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

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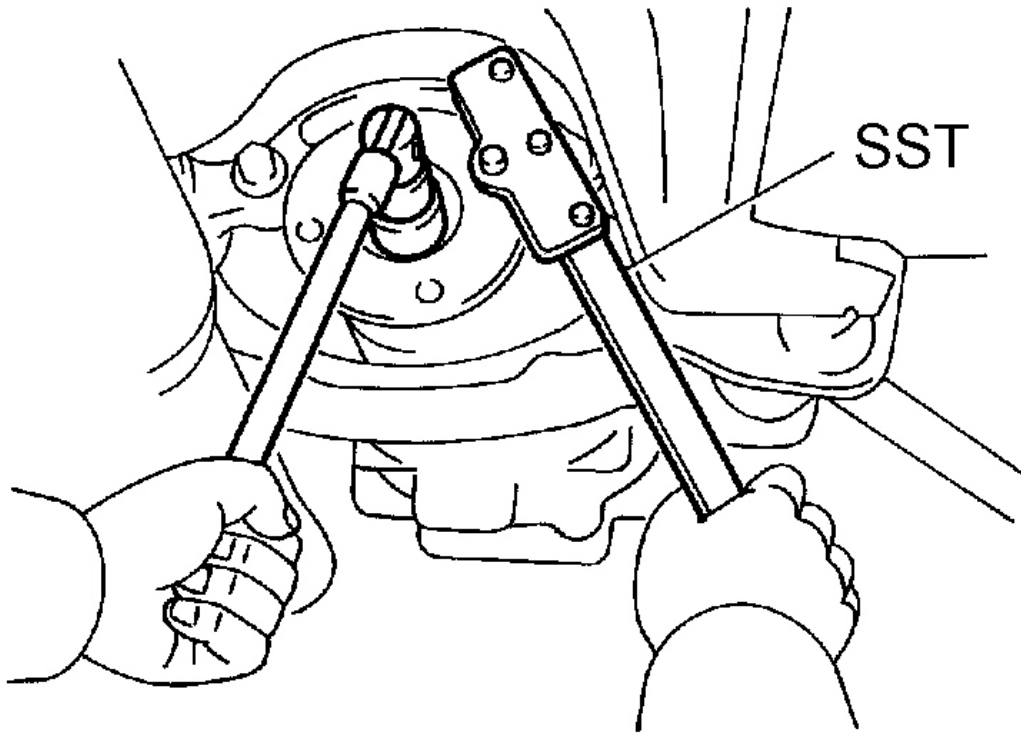
Fig. 1: Identifying Rear Differential Front Oil Seal Components

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REPLACEMENT

1. **DRAIN DIFFERENTIAL OIL**
2. **REMOVE PROPELLER SHAFT (See REMOVAL)**
3. **REMOVE COMPANION FLANGE**
 - 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



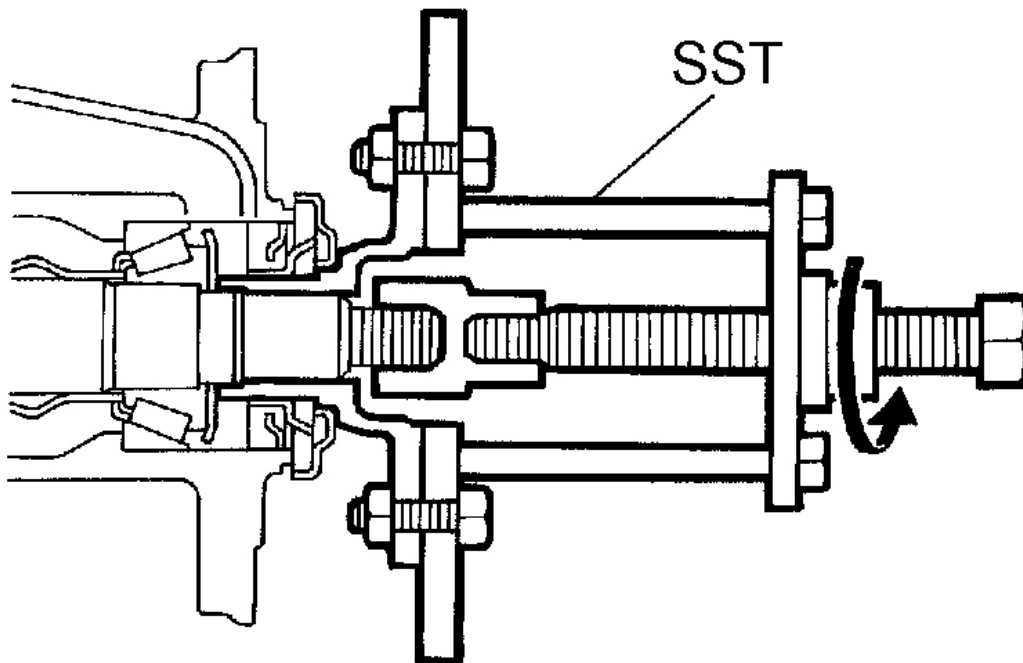
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Fig. 2: Removing Nut From Flange

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Using SST, remove the companion flange.

SST 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03040, 09956-03020)



G02926089

Fig. 3: Removing Companion Flange

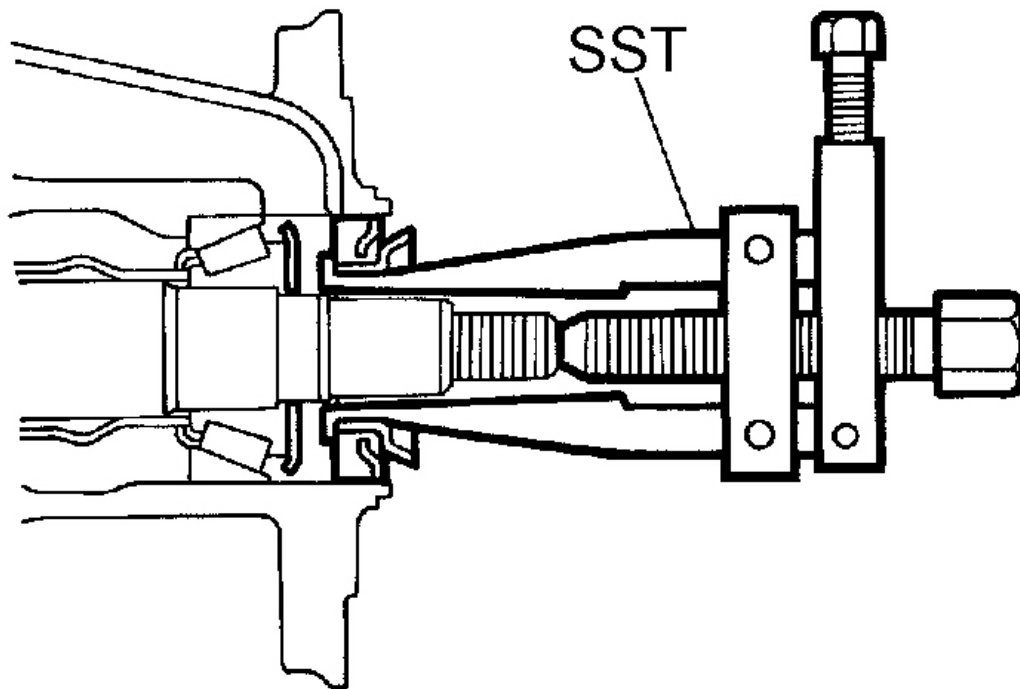
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. REMOVE FRONT OIL SEAL AND OIL SLINGER

- a. Using SST, remove the oil seal.

SST 09308-10010

- b. Remove the oil slinger.



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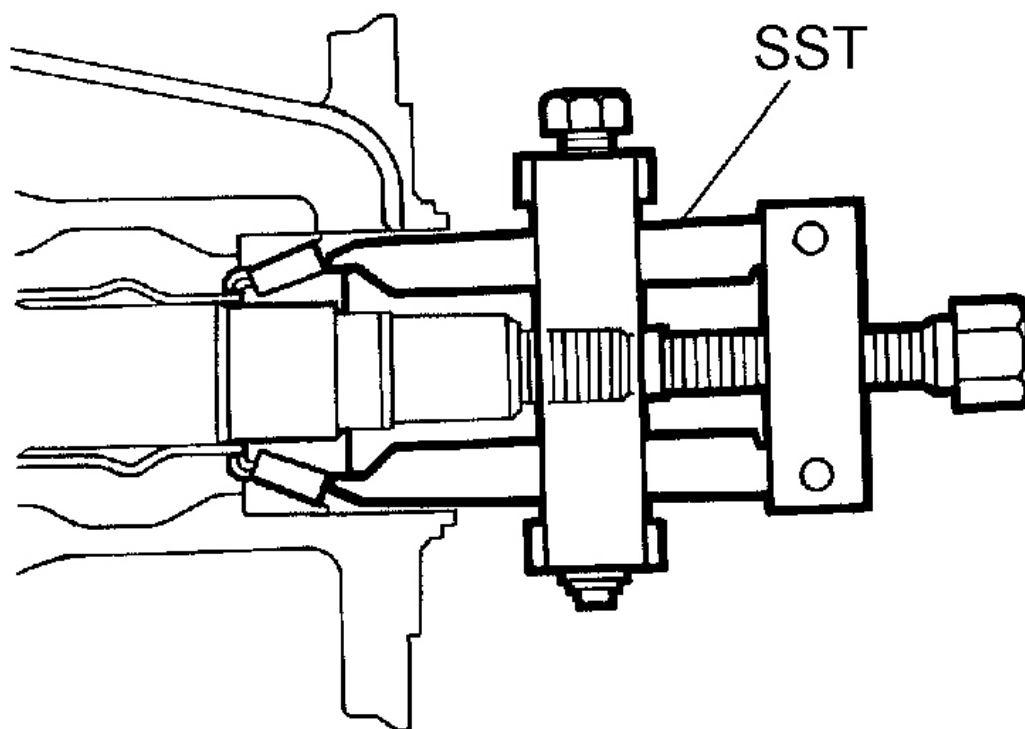
Fig. 4: Removing Front Oil Seal & Oil Slinger

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. REMOVE FRONT BEARING AND BEARING SPACER

- a. Using SST, remove the front bearing.

SST 09556-22010



G02926091

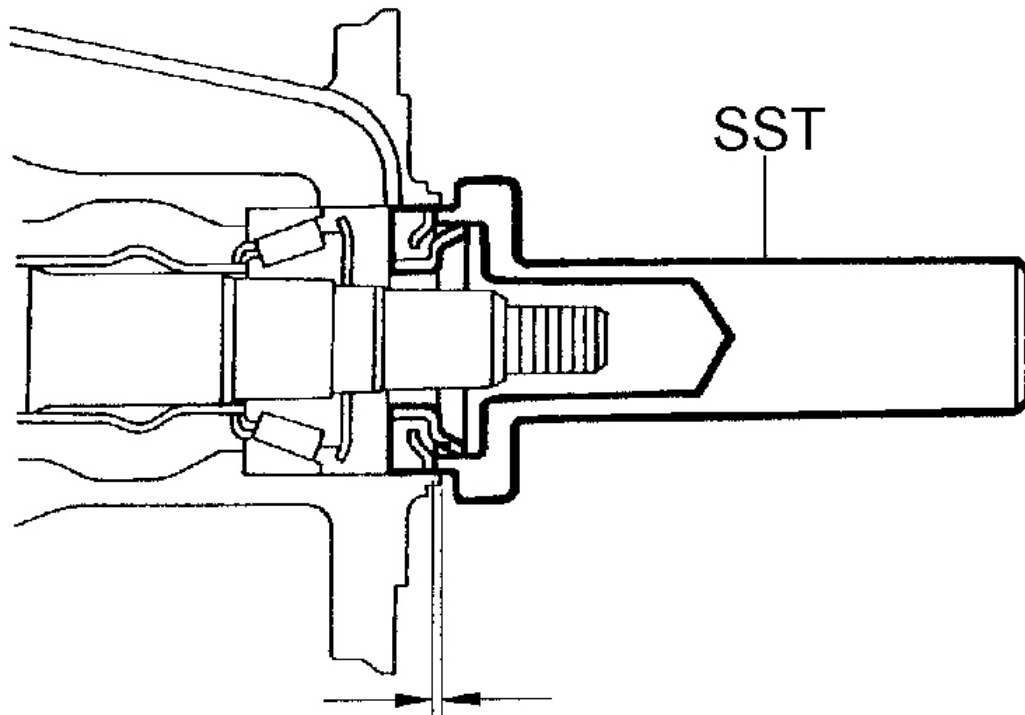
Fig. 5: Removing Front Bearing

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the bearing spacer.
- 6. **INSTALL NEW BEARING SPACER AND FRONT BEARING**
 - a. Install a new bearing spacer on the shaft.
 - b. Install the front bearing on the shaft.
- 7. **INSTALL OIL SLINGER AND NEW OIL SEAL**
 - a. Install the oil slinger.
 - b. Using SST, install a new oil seal.

SST 09554-22010

Oil seal drive in depth: 2.0 mm (0.079 in.)



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Fig. 6: Installing Oil Seal

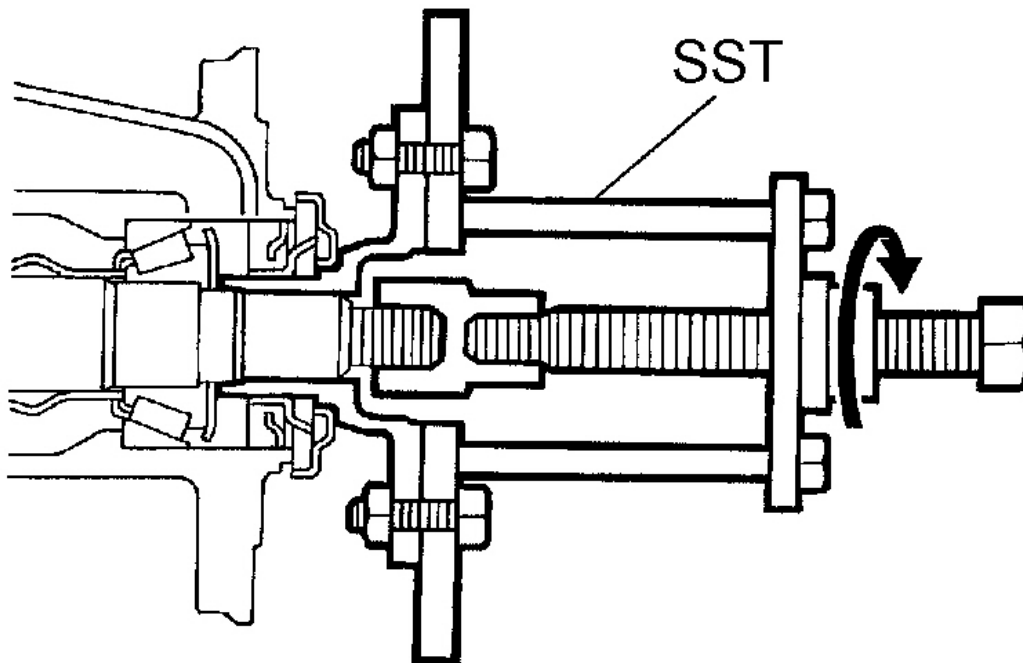
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Apply MP grease to the oil seal lip.

8. INSTALL COMPANION FLANGE

- a. Using SST, install the companion flange on the shaft.

SST 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03040, 09956-03020)



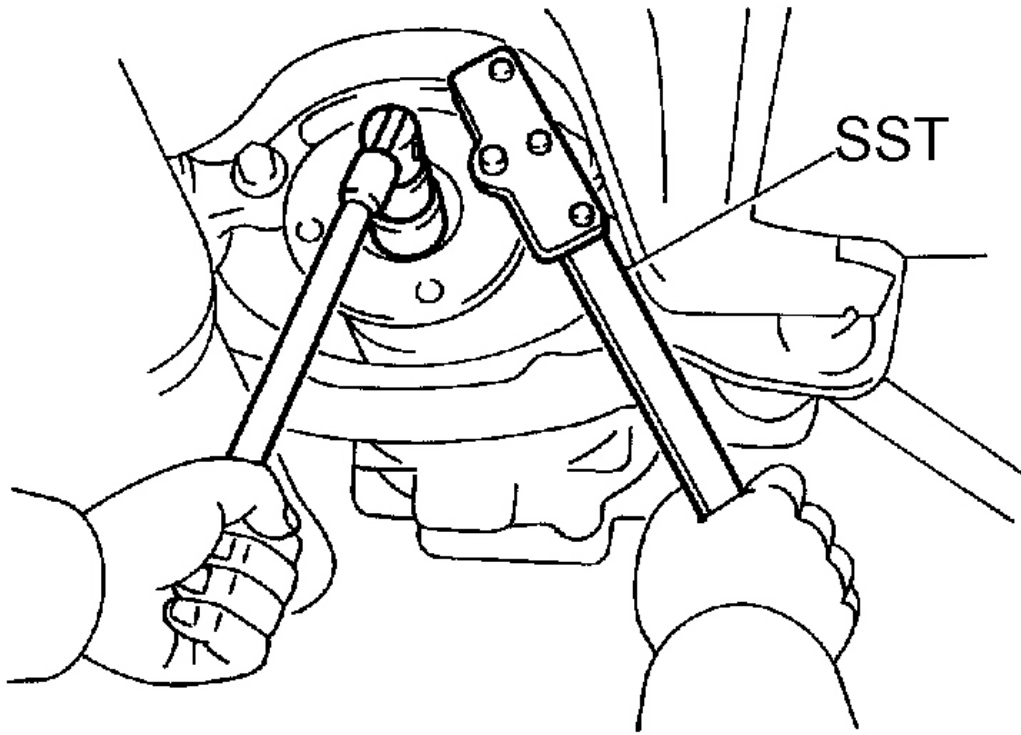
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Fig. 7: Installing Companion Flange On Shaft
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Coat the threads of a new nut with hypoid gear oil.
- c. Using SST to hold the flange, torque the nut.

SST 09330-00021

Torque: 108 N.m (1,100 kgf.cm, 80 ft.lbf)



G02926094

Fig. 8: Holding Flange & Torquing Nut

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Adjust the preload of bearing on the drive pinion (See **REASSEMBLY**).
9. **STAKE DRIVE PINION NUT**
10. **INSTALL PROPELLER SHAFT (See COMPONENTS)**
11. **FILL DIFFERENTIAL WITH DIFFERENTIAL OIL (See REPLACE REAR DIFFERENTIAL OIL)**