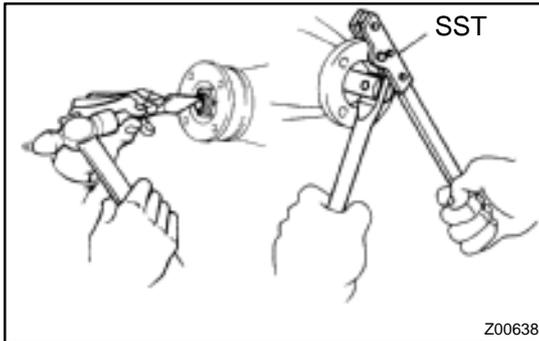


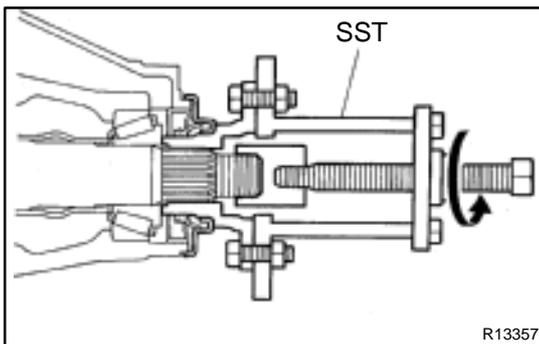
## REPLACEMENT

1. DRAIN DIFFERENTIAL OIL
2. DISCONNECT REAR PROPELLER SHAFT  
2WD: See page [PR-3](#)  
4WD and prerunner: See page [PR-11](#)

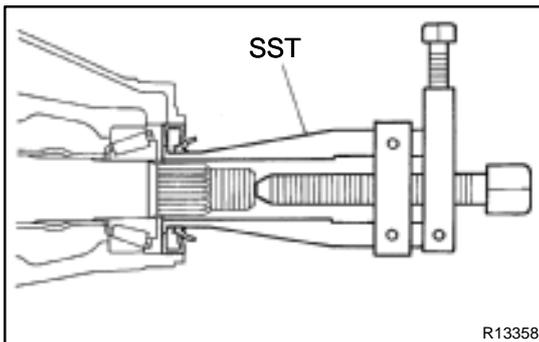


### 3. REMOVE COMPANION FLANGE

- (a) Using a chisel and hammer, loosen the staked part of the nut.
- (b) Using SST to hold the flange, remove the nut.  
SST 09330-00021



- (c) Using SST, remove the companion flange.  
SST 09950-30011 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020, 09956-03050)

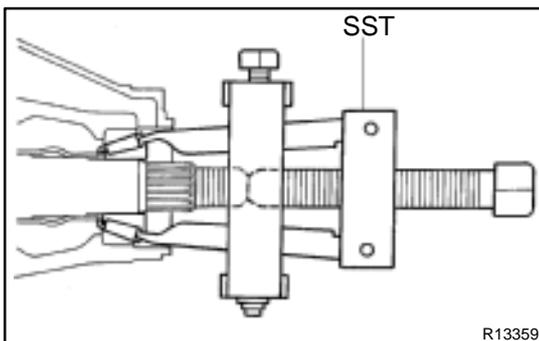


### 4. REMOVE OIL SEAL

Using SST, remove the oil seal.

SST 09350-32014 (09308-10010)

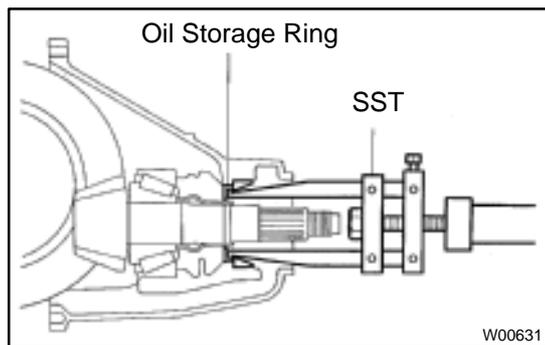
5. Except 3RZ-FE, 5VZ-FE w/o Diff. lock:  
**REMOVE OIL SLINGER**



### 6. REMOVE FRONT BEARING

Using SST, remove the front bearing from the drive pinion.

SST 09556-22010



**7. 3RZ-FE, 5VZ-FE w/ Diff. lock:  
REMOVE FRONT BEARING OUTER RACE AND OIL STORAGE RING**

- (a) Using SST, remove the front bearing outer race.  
SST 09308-00010
- (b) Using a screwdriver, bend the oil storage ring and remove it.

**8. REMOVE BEARING SPACER**

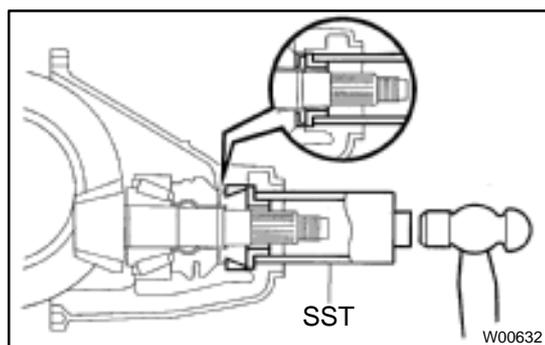
- (a) 3RZ-FE, 5VZ-FE w/o Diff. lock:  
Remove the 2 washers.

- (b) Remove the bearing spacer.

**9. INSTALL NEW BEARING SPACER**

- (a) Install a new bearing spacer.

- (b) 3RZ-FE, 5VZ-FE w/o Diff. lock:  
Install the 2 washers.

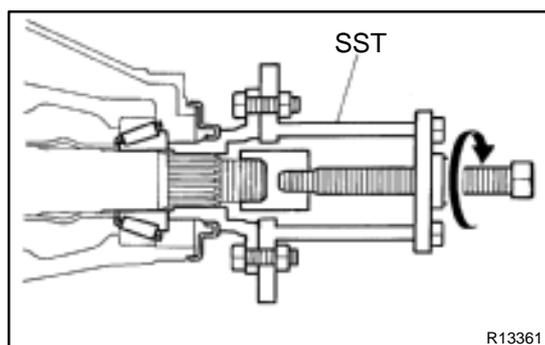


**10. 3RZ-FE, 5VZ-FE w/ Diff. lock:  
INSTALL OIL STORAGE RING AND FRONT BEARING OUTER RACE**

- (a) Using SST and a hammer, install a new oil storage ring.  
SST 09316-60011 (09316-00011, 09316-00021)

- (b) Using SST and a hammer, install the front bearing outer race.

SST 09316-60011 (09316-00011, 09316-00021)



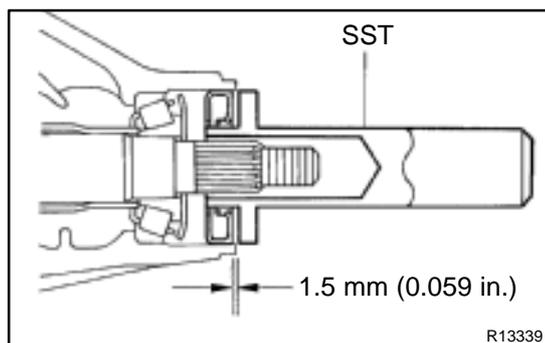
**11. INSTALL FRONT BEARING**

- (a) Place the front bearing.

- (b) Except 3RZ-FE, 5VZ-FE w/o Diff. lock:  
Place the oil slinger.

- (c) Using SST and the companion flange, install the front bearing then remove the companion flange.

SST 09950-30011 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020, 09956-03050)



**12. INSTALL NEW OIL SEAL**

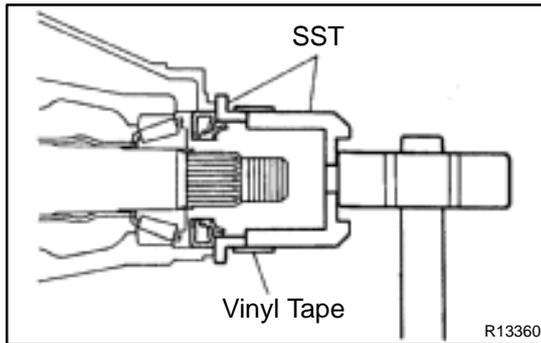
- (a) Coat a new oil seal lip with MP grease.

- (b) 2RZ-FE:

Using SST and a hammer, install the oil seal.

SST 09554-30011

**Oil seal drive in depth: 1.5 mm (0.059 in.)**



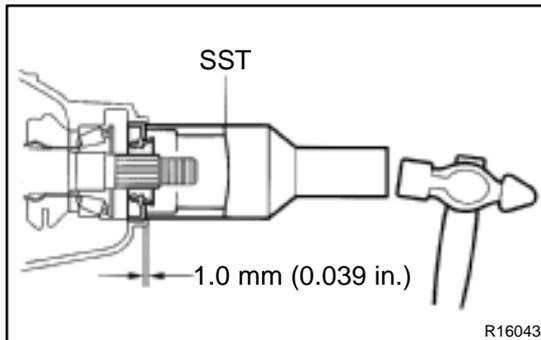
- (c) 3RZ-FE, 5VZ-FE w/o Diff. lock:  
Using SST and a plastic hammer, install the oil seal until its surface is flush with the differential carrier end.

SST 09316-12010, 09649-17010

**Oil seal drive in depth: 0.5 mm (0.020 in.)**

HINT:

Connect SST with vinyl tape.



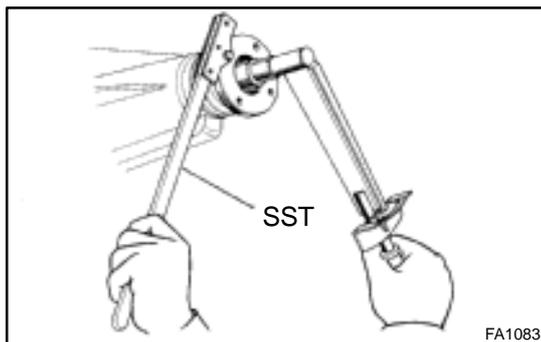
- (d) 3RZ-FE, 5VZ-FE w/ Diff. lock:  
Using SST and a hammer, install the oil seal.

SST 09214-76011

**Oil seal drive in depth: 1.0 mm (0.039 in.)**

### 13. INSTALL COMPANION FLANGE

- (a) Place the companion flange on the drive pinion.  
(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:**

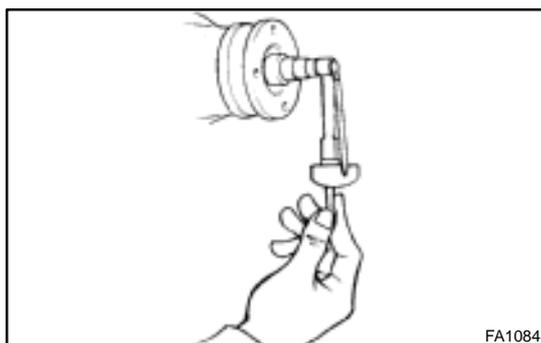
**2RZ-FE: 108 N·m (1,100 kgf·cm, 80 ft·lbf)**

**3RZ-FE, 5VZ-FE w/o Diff. lock:**

**147 N·m (1,500 kgf·cm, 109 ft·lbf)**

**3RZ-FE, 5VZ-FE w/ Diff. lock:**

**196 N·m (2,000 kgf·cm, 145 ft·lbf)**



### 14. ADJUST DRIVE PINION PRELOAD

**2RZ-FE: See page SA-152**

**3RZ-FE, 5VZ-FE w/o Diff. lock: See page SA-169**

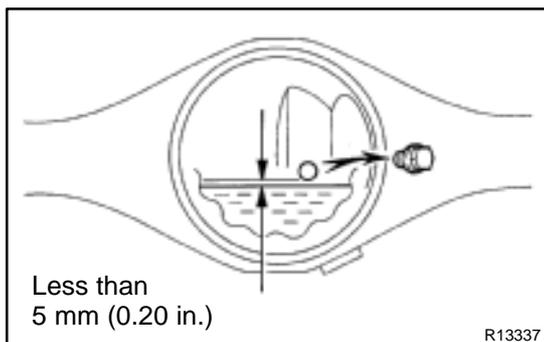
**3RZ-FE, 5VZ-FE w/ Diff. lock: See page SA-188**

### 15. STAKE DRIVE PINION NUT

### 16. CONNECT REAR PROPELLER SHAFT

**2WD: See page PR-8**

**4WD and pre runner: See page PR-16**

**17. FILL DIFFERENTIAL WITH HYPOID GEAR OIL****Torque: 49 N·m (500 kgf·cm, 39 ft·lbf)****Oil type: 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:**

2RZ-FE	1.35 liters (1.43 US qts, 1.19 Imp. qts)
3RZ-FE, 5VZ-FE	4WD Extra long model: 2.45 liters (2.58 US qts., 2.16 Imp. qts) w/ Diff. lock Short model: 2.65 liters (2.80 US qts., 2.33 Imp. qts) w/ Diff. lock Extra long model: 2.95 liters (3.18 US qts., 2.60 Imp. qts) w/o Diff. lock: 2.55 liters (2.69 US qts., 2.24 Imp. qts)