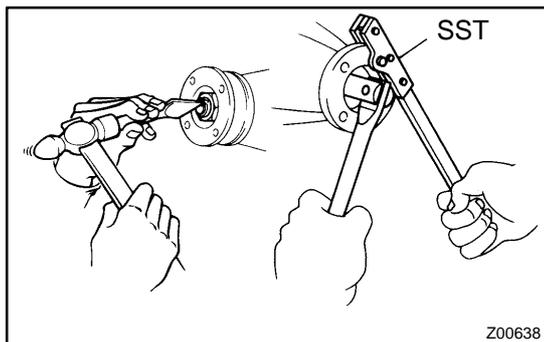


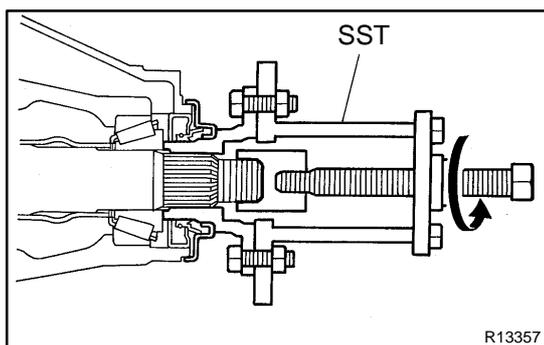
REPLACEMENT

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

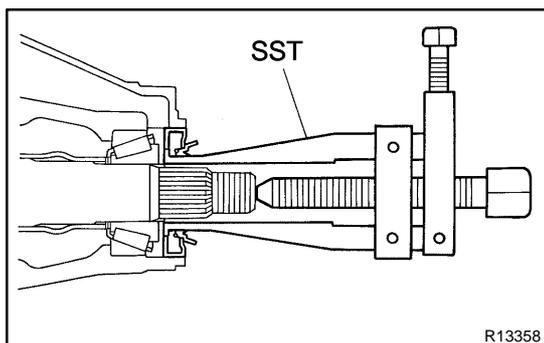


3. REMOVE COMPANION FLANGE

- (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 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020, 09956-03050)

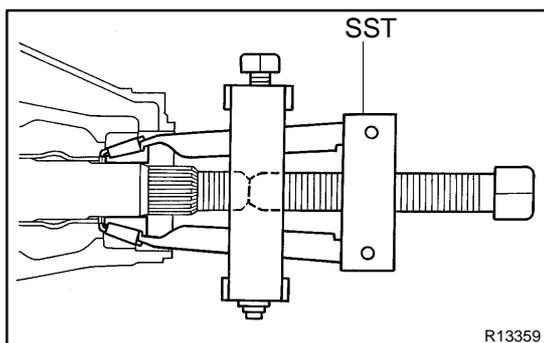


4. REMOVE OIL SEAL

Using SST, remove the oil seal.

SST 09350-32014 (09308-10010)

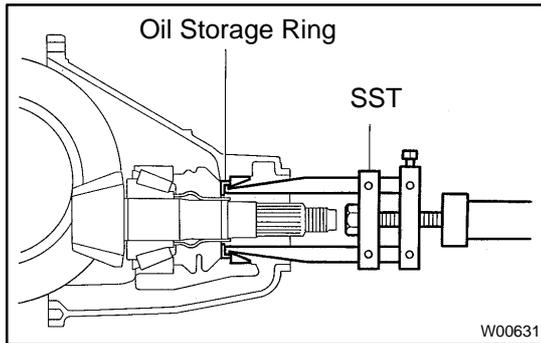
5. Except 3RZ-FE, 5VZ-FE w/o Diff. lock:
REMOVE OIL SLINGER



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**

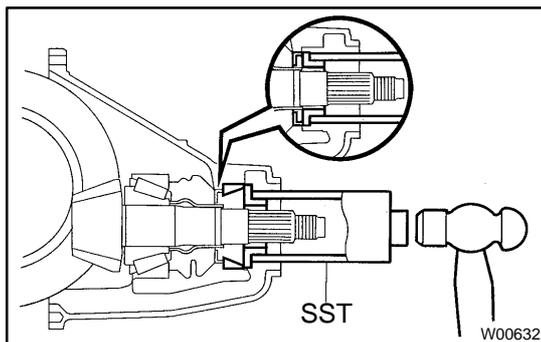
- (a) Using SST, remove the front bearing outer race.
SST 09308-00010
- (b) Using a screwdriver, bend the oil storage ring and remove it.

8. REMOVE BEARING SPACER

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

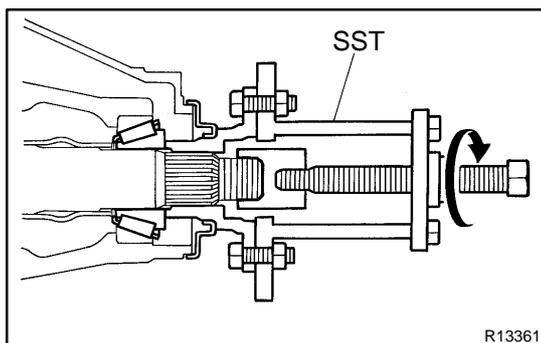
9. INSTALL NEW BEARING SPACER

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



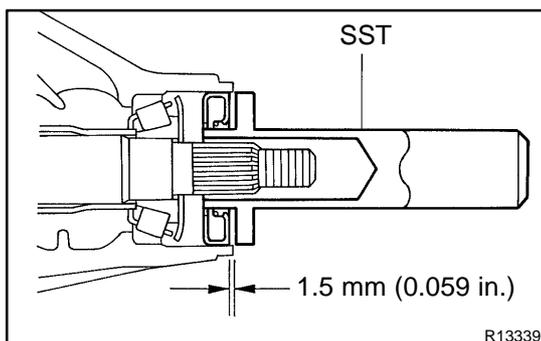
**10. 3RZ-FE, 5VZ-FE w/ Diff. lock:
INSTALL OIL STORAGE RING AND FRONT BEARING OUTER RACE**

- (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)



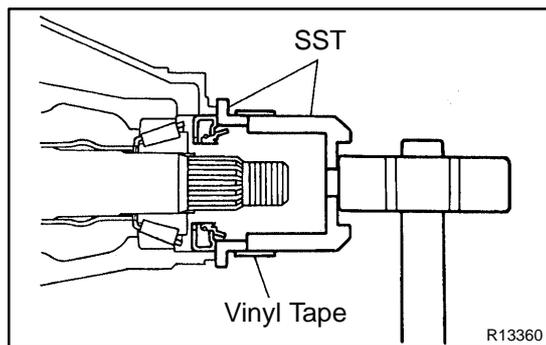
11. INSTALL FRONT BEARING

- (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 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020, 09956-03050)



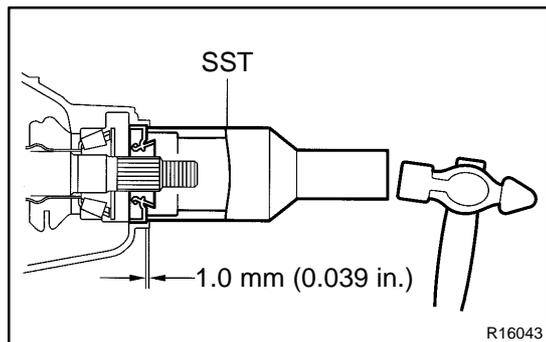
12. INSTALL NEW OIL SEAL

- (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.)

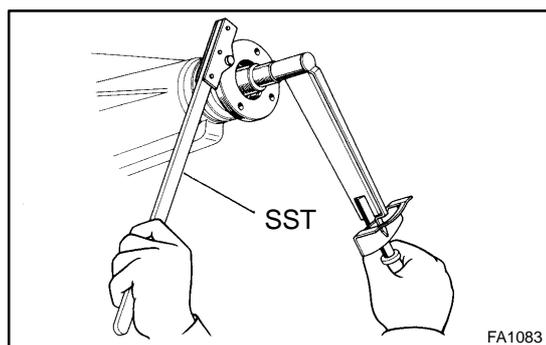
HINT:
Connect SST with vinyl tape.



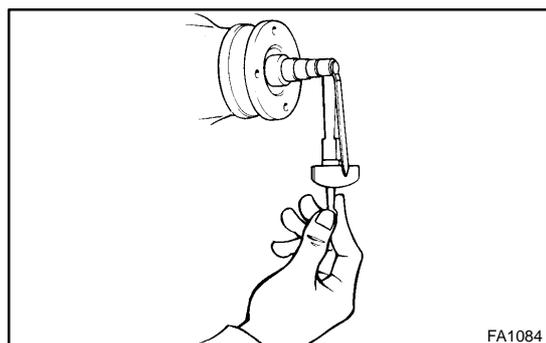
- (d) 3RZ-FE, 5VZ-FE w/ Diff. lock:
Using SST and a hammer, install the oil seal.
SST 09214-76011
Oil seal drive in depth: 1.0 mm (0.039 in.)

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)



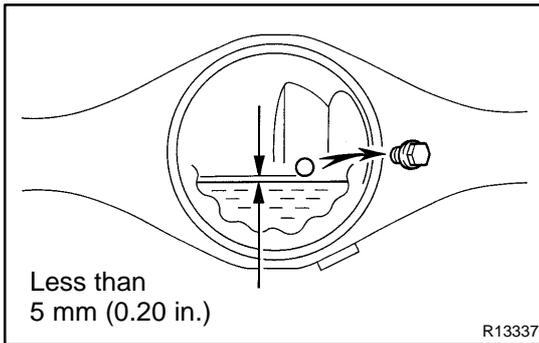
14. ADJUST DRIVE PINION PRELOAD

- 2RZ-FE: See page SA-149**
3RZ-FE, 5VZ-FE w/o Diff. lock: See page SA-166
3RZ-FE, 5VZ-FE w/ Diff. lock: See page SA-185

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)