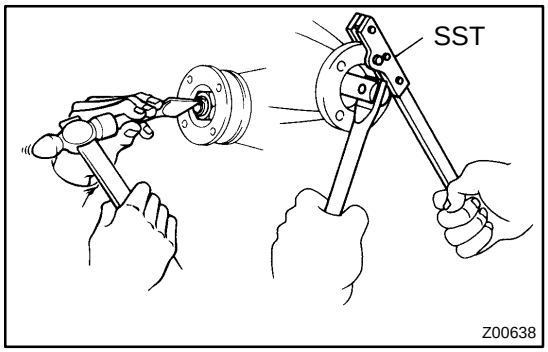
SA09M–08

REPLACEMENT

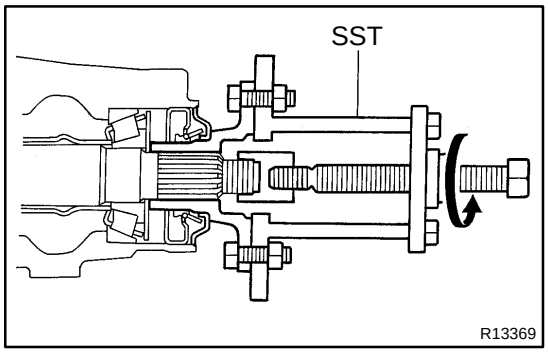
1. **REMOVE UNDER COVER**
2. **REMOVE FRONT PROPELLER SHAFT (See page PR–11)**



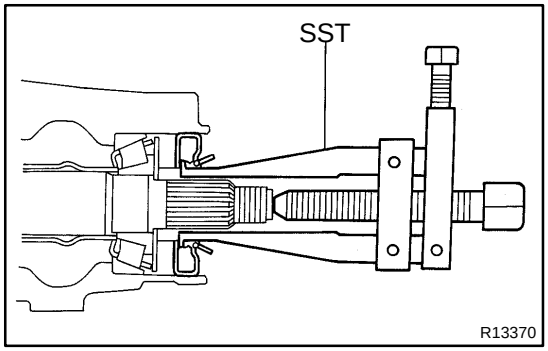
3. **REMOVE COMPANION FLANGE**

(a) Using a chisel and hammer, unstake the nut.

(b) Using SST to hold the flange, remove the nut.
SST 09330–00021



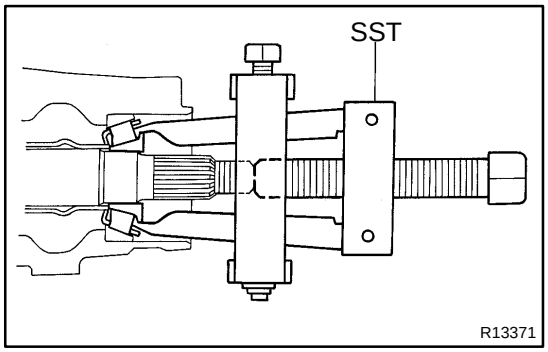
(c) Using SST, remove the companion flange.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03020)



4. **REMOVE OIL SEAL AND OIL SLINGER**

(a) Using SST, remove the oil seal.
SST 09350–32014 (09308–10010)

(b) Remove the oil slinger.



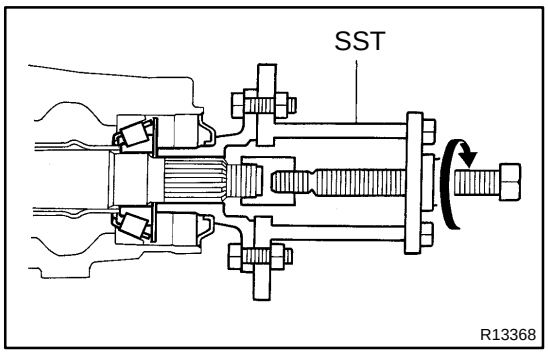
5. **REMOVE REAR BEARING AND BEARING SPACER**

(a) Using SST, remove the rear bearing from the drive pinion.
SST 09556–22010

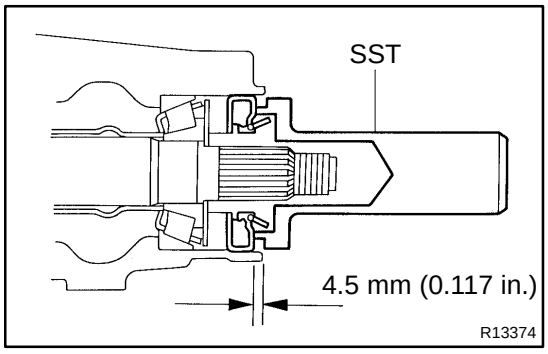
(b) Remove the bearing spacer.

6. **INSTALL BEARING SPACER, REAR BEARING AND OIL SLINGER**

(a) Install a new bearing spacer and place the rear bearing and oil slinger.



(b) Using SST and the companion flange, install the rear bearing, then remove the companion flange.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03020)



7. INSTALL OIL SEAL

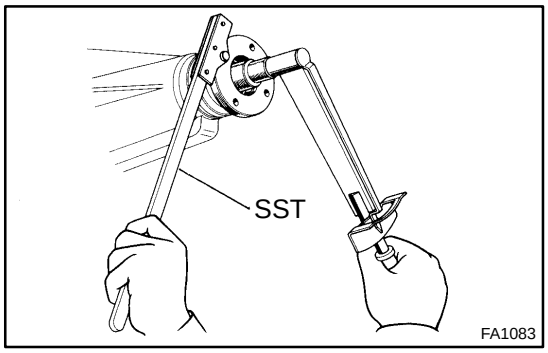
(a) Coat a new oil seal lip with MP grease.

(b) Using SST and a hammer, install the oil seal.
SST 09554–22010
Oil seal drive in depth: 4.5 mm (0.177 in.)

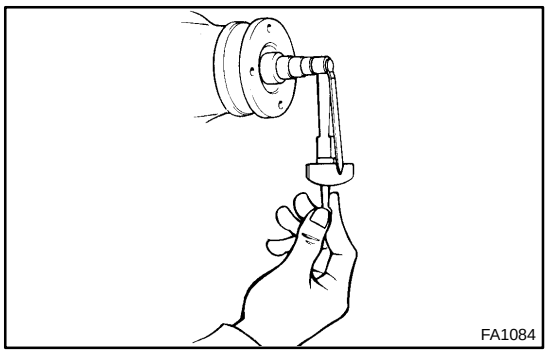
8. INSTALL COMPANION FLANGE

(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: 108 N·m (1,100 kgf·cm, 80 ft·lbf)



9. ADJUST DRIVE PINION PRELOAD

Using a torque wrench, measure the preload of the drive pinion using the backlash between the drive pinion and ring gear.

Preload (at starting):
0.6 – 1.0 N·m (6 – 10 kgf·cm, 5.2 – 8.7 in.·lbf)

If the preload is greater than the specified value, replace the bearing spacer.

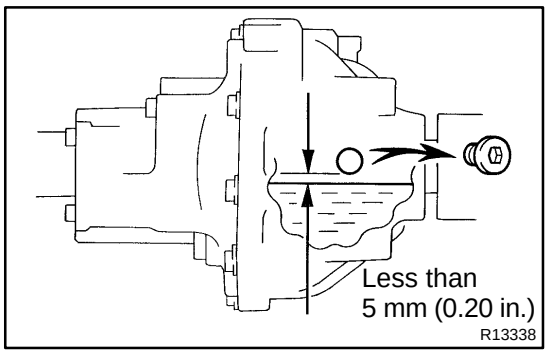
If the preload is less than the specified value, retighten the nut 13 N·m (130 kgf·cm, 9 ft·lbf) a little at a time until the specified preload is reached.

Torque: 223 N·m (2,275 kgf·cm, 165 ft·lbf) or less

If the maximum torque is exceeded while retightening the nut, replace the bearing spacer and repeat the preload adjusting procedure. Do not back off the pinion nut to reduce the preload.

10. STAKE DRIVE PINION NUT

11. INSTALL FRONT PROPELLER SHAFT (See page PR–16)



12. FILL DIFFERENTIAL WITH HYPOID GEAR OIL
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)
Oil type: Hypoid gear oil API GL–5
Recommended oil viscosity: SAE 75W–90
Capacity: 1.15 liters (1.22 US qts, 1.01 Imp. qts)

13. INSTALL UNDER COVER