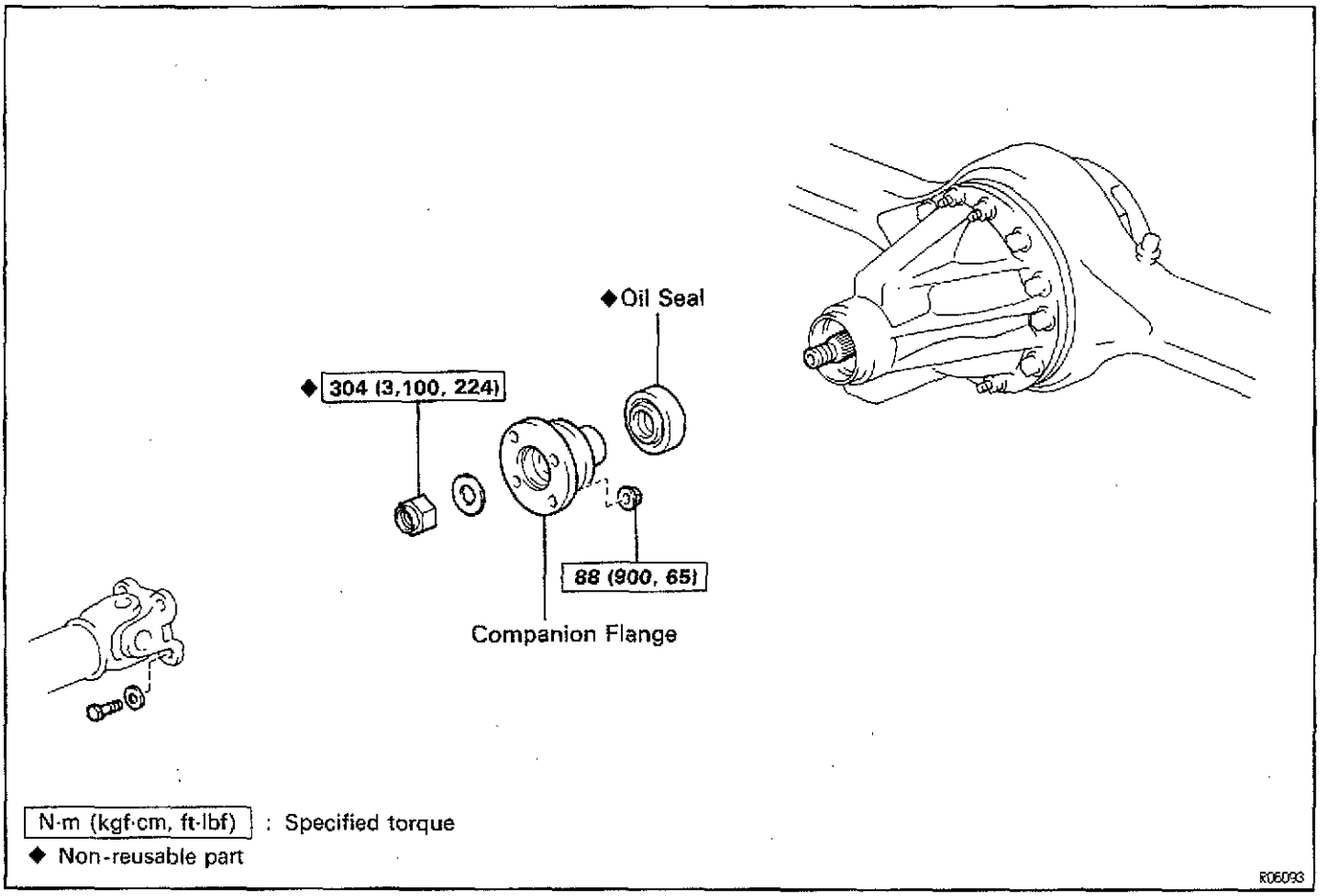
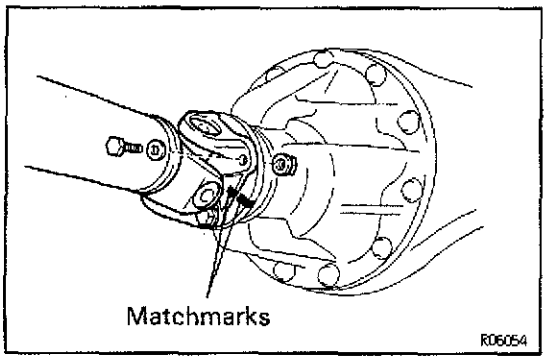
ON–VEHICLE REPAIR

COMPONENTS

SA0Y6–01





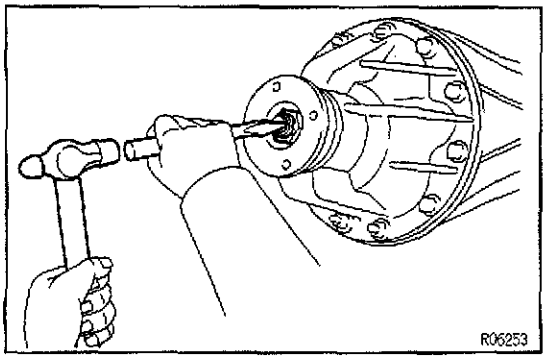
FRONT OIL SEAL REPLACEMENT

SA0Y5–01

1. **DISCONNECT REAR PROPELLER SHAFT**

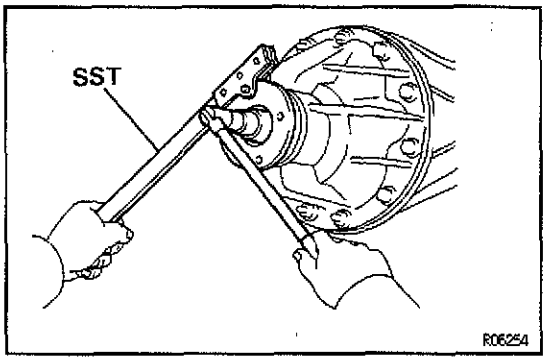
(a) Place the matchmarks on the flanges.

(b) Remove the 4 bolts and nuts and disconnect the rear propeller shaft.

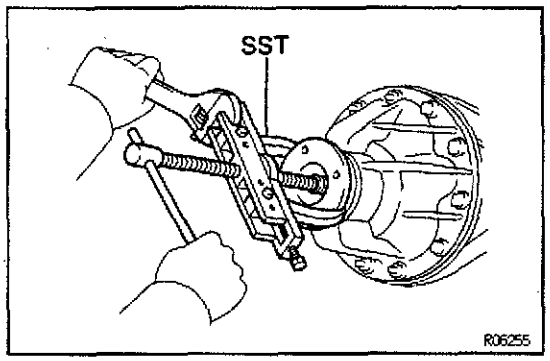


2. **REMOVE COMPANION FLANGE**

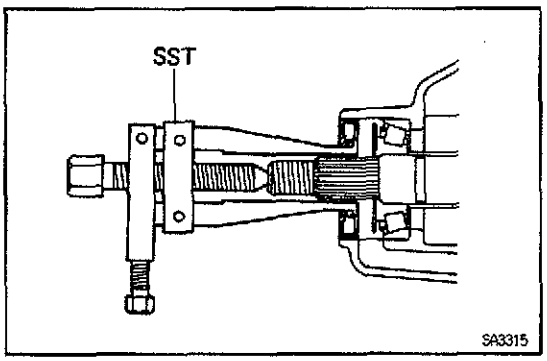
(a) Using a chisel and hammer, loosen the staked part of nut.



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

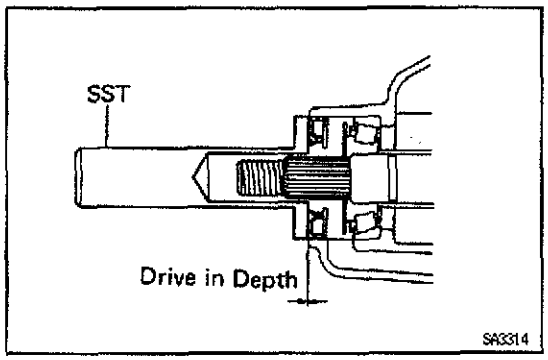


(c) Using SST, remove the companion flange.
SST 09950–20017



3. REMOVE OIL SEAL

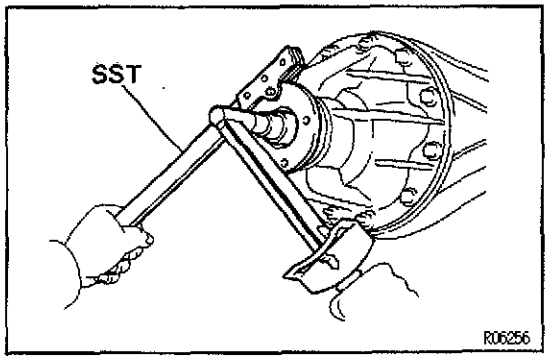
Using SST, remove the oil seal.
SST 09308–10010



4. INSTALL NEW OIL SEAL

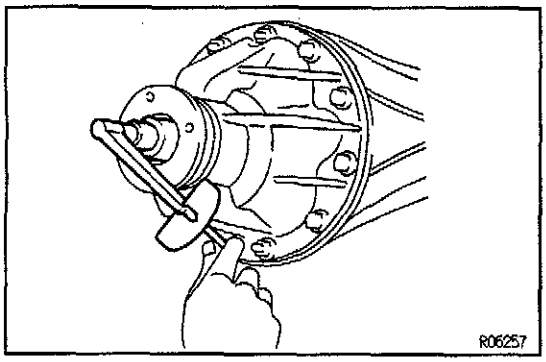
(a) Using SST and a hammer, install a new oil seal.
SST 09309–36010
Oil seal drive in depth:
1.0 mm (0.039 in.)

(b) Apply MP grease to the oil seal lip.



5. INSTALL COMPANION FLANGE

(a) Install the companion flange on the drive pinion.
(b) Place the plate washer on the companion flange.
(c) Apply light coat of gear oil on the threads of a new companion flange nut.
(d) Using SST to hold the flange, torque the nut.
SST 09330–00021
Torque: 304 N·m (3,100 kgf·cm, 224 ft·lbf)



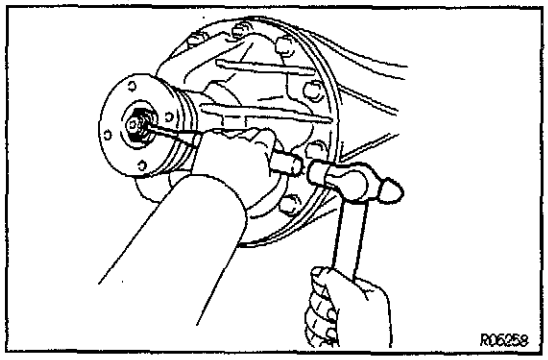
6. MEASURE DRIVE PINION PRELOAD

Using a torque wrench, measure the drive pinion preload.

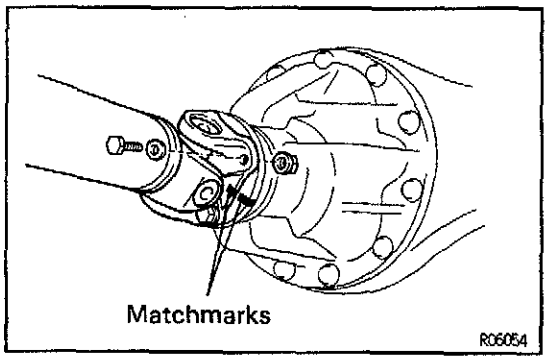
Bearing preload (at starting)

0.8–1.3 N·m (8–13 kgf·cm, 6.9–11.3 in.·lbf)

If the preload is not within specification, adjust the drive pinion preload. (See page SA–60)



7. STAKE DRIVE PINION NUT

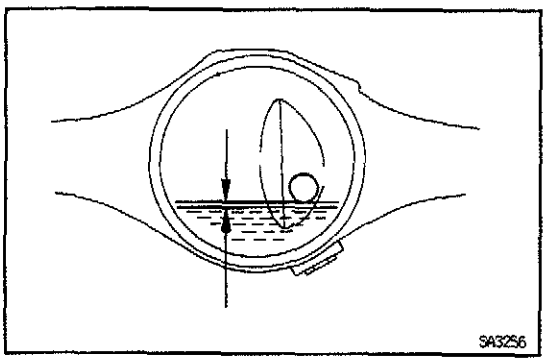


8. CONNECT REAR PROPELLER SHAFT

(a) Align the matchmarks and connect the propeller shaft to the companion flange with the 4 bolts, spring washers and nuts.

(b) Torque the bolts and nuts.

Torque: 88 N·m (900 kgf·cm, 65 ft·lbf)



9. CHECK DIFFERENTIAL OIL LEVEL

Fill with hypoid gear oil if necessary.

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:

3.8 liters (4.0 US qts, 3.3 Imp.qts)