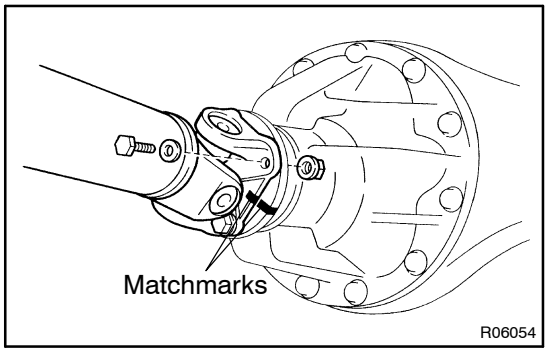
2907O–01

REPLACEMENT (B265, B305)

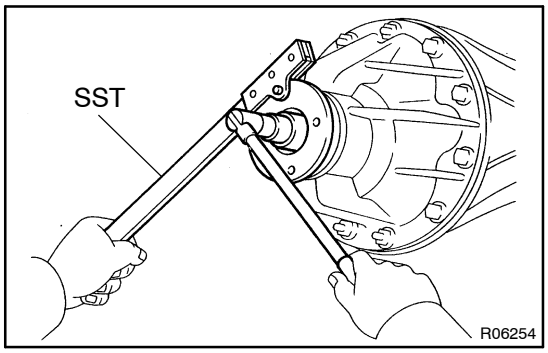
1. DRAIN DIFFERENTIAL OIL (See page 29–2)



2. DISCONNECT PROPELLER SHAFT ASSY

(a) Place matchmarks on the flanges.

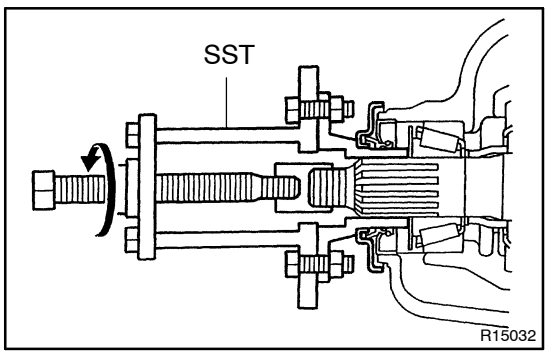
(b) Remove the 4 nuts, bolts and washers, and disconnect the rear propeller shaft.



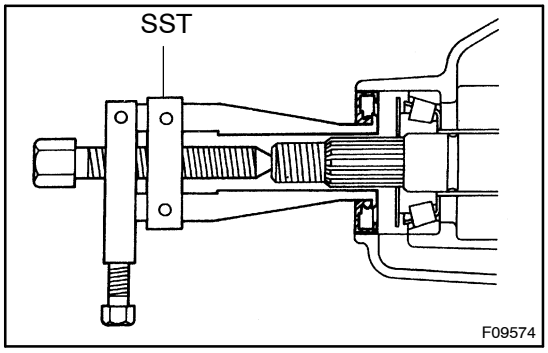
3. REMOVE REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR

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

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

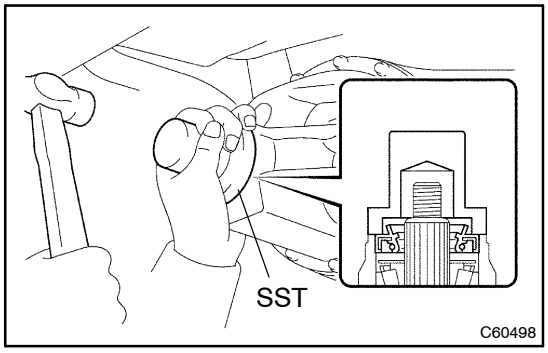


(c) Using SST, remove the companion flange.
SST B265 (10.5”): 09950–30011 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03040)
B305 (12”): 09950–30011 (09951–03010, 09953–03010,09954–03010, 09955–03030, 09956–03050)



4. REMOVE REAR DIFFERENTIAL CARRIER OIL SEAL

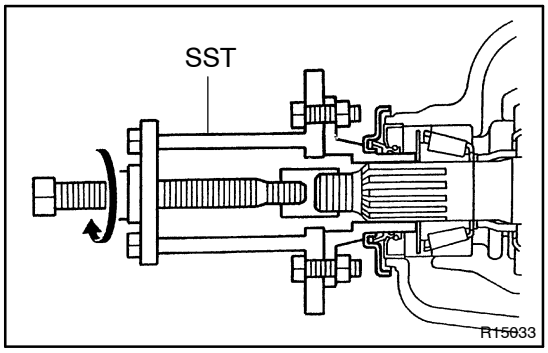
(a) Using SST, remove the oil seal.
SST 09308–10010



5. INSTALL REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Apply MP grease to the lip of a new oil seal.

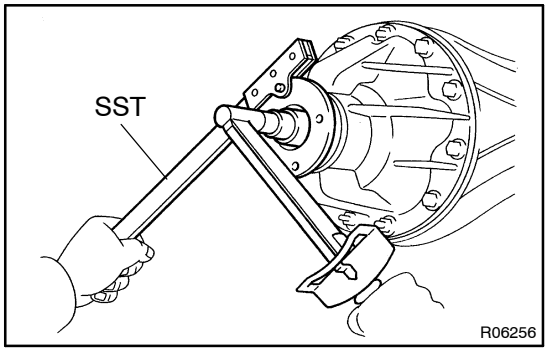
(b) Using SST and a hammer, tap in the oil seal.
SST 09223–78010 (for B265, B305 model)
Oil seal drive in depth: 0 mm (0 in.)



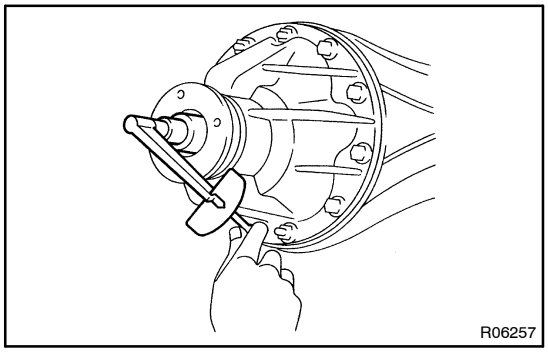
6. INSTALL REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR

(a) Using SST, install the companion flange on the drive pinion.
SST B265 (10.5”): 09950–30011 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03040)
B305 (12”): 09950–30011 (09951–03010, 09953–03010,09954–03010, 09955–03030, 09956–03050)

(b) Apply a light coat of gear oil on the threads of a new companion flange nut.

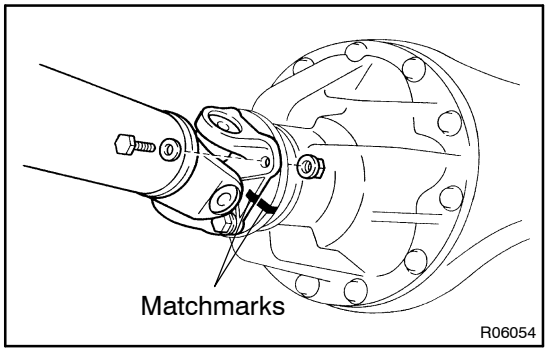


(c) Using SST, hold the flange and tighten the nut.
SST 09330–00021
Torque:
B265: 304 N·m (3,100 kgf·cm, 224 ft·lbf)
B305: 270 N·m (2,750 kgf·cm, 199 ft·lbf)



7. INSPECT TOTAL PRELOAD

(a) Using a torque wrench, measure the maximum torque within the backlash between the drive pinion and ring gear when the companion flange begins to rotate.
Preload: 1.20 – 3.15 N·m (12.3 – 32.1 kgf·cm, 8.9 – 23.2 in.·lbf)



8. INSTALL PROPELLER SHAFT ASSY

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

(b) Tighten the nuts (See page 30–4 or 30–11).

9. ADD DIFFERENTIAL OIL (See page 29–2)