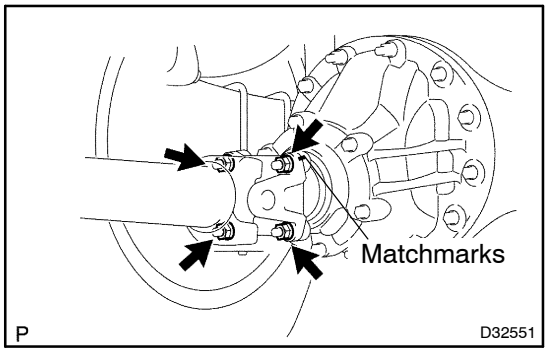
2907O–02

REPLACEMENT

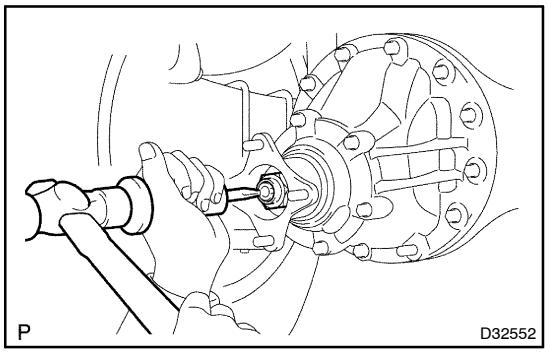
1. DRAIN DIFFERENTIAL OIL (See page 29–3)



2. DISCONNECT PROPELLER SHAFT ASSY

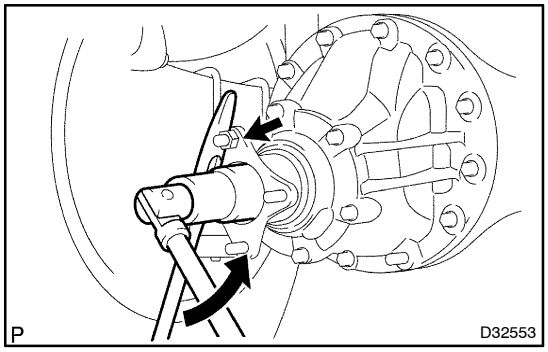
(a) Place matchmarks on the flanges.

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



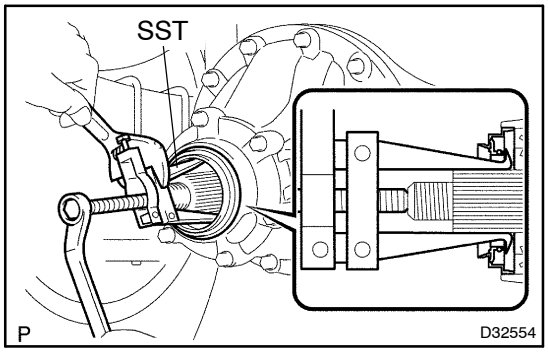
3. REMOVE REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR

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



(b) Hold the flange in place with the tire lever and remove the nuts using the socket wrench.

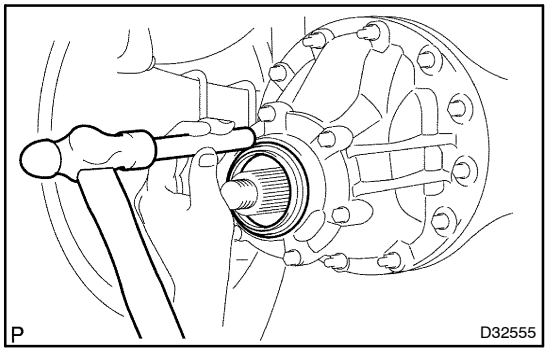
(c) Remove the drive pinion companion flange.



4. REMOVE REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST, remove the oil seal.

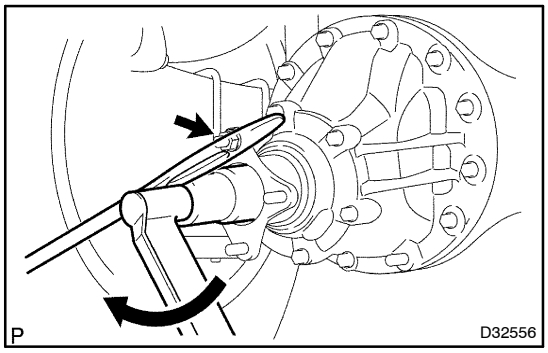
SST 09308–10010



5. INSTALL REAR DIFFERENTIAL CARRIER OIL SEAL

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

(b) Using a brass bar and hammer, tap in the oil seal.
Oil seal drive in depth: 0 mm (0 in.)

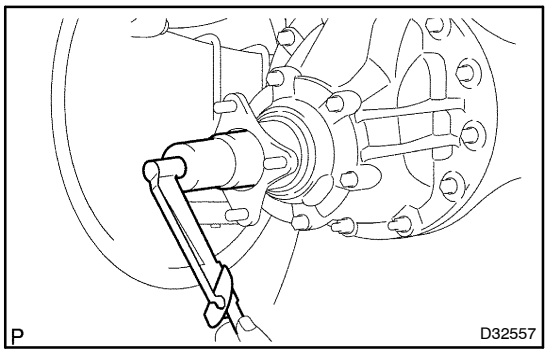


6. INSTALL REAR DRIVE PINION COMPANION FLANGE SUB–ASSY REAR

(a) Install the companion flange on the drive pinion.

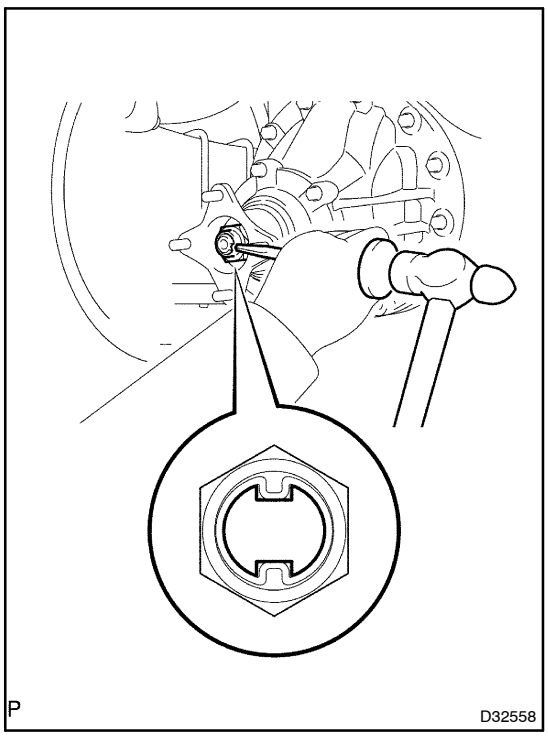
(b) Apply a light coat of gear oil on the threads of a new companion flange nut.

(c) Using a tire lever, hold the flange and tighten the nut.
Torque: 435 N·m (4,440 kgf·cm, 320 ft·lbf)



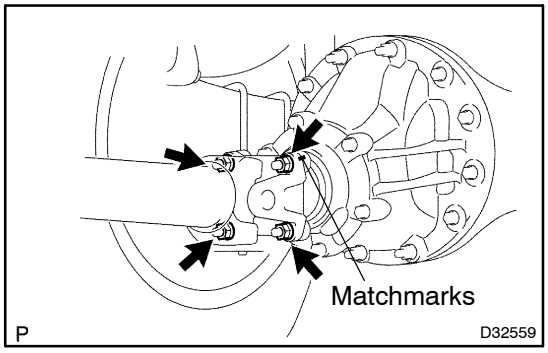
7. INSPECT TOTAL PRELOAD

(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:
1.48 to 2.45 N·m (15 to 25 kgf·cm, 13 to 22 in.·lbf)



8. INSTALL COMPANION FLANGE ROCK NUT

(a) Using a chisel and hammer, stake the nut to the bolt as shown in the illustration.



9. INSTALL PROPELLER SHAFT ASSY

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

(b) Tighten the nuts (see pub No. RM1008E, page 30–4 or 30–11).

10. ADD DIFFERENTIAL OIL (See page 29–3)