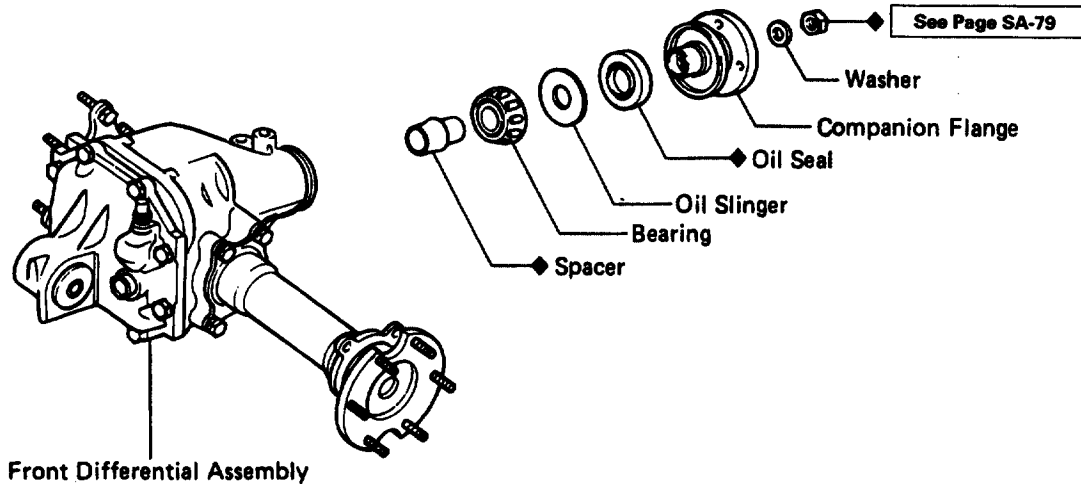


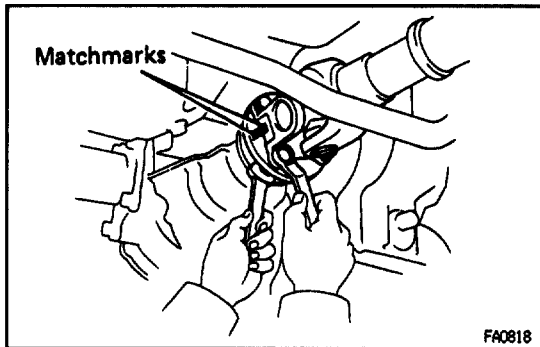
## ON-VEHICLE REPAIR COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque

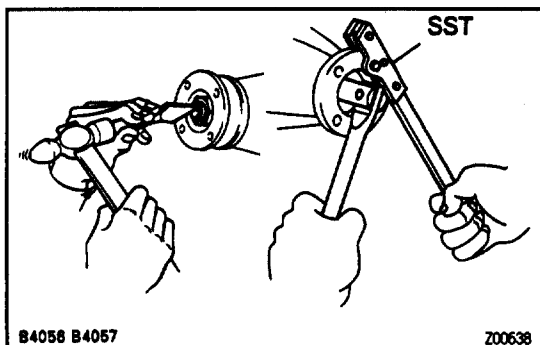
◆ Non-reusable part

FA0875



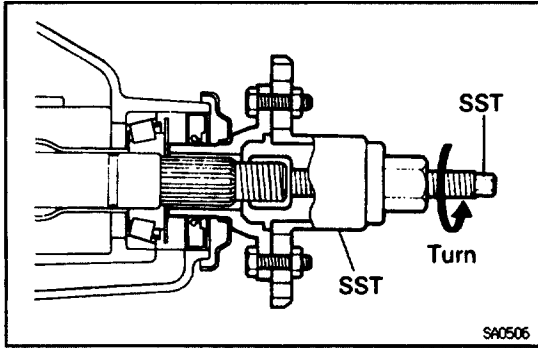
## REAR OIL SEAL REPLACEMENT

1. DRAIN DIFFERENTIAL OIL
2. DISCONNECT FRONT PROPELLER SHAFT
  - (a) Place matchmarks on the flanges.
  - (b) Remove the 4 bolts and nuts and disconnect the front propeller shaft.

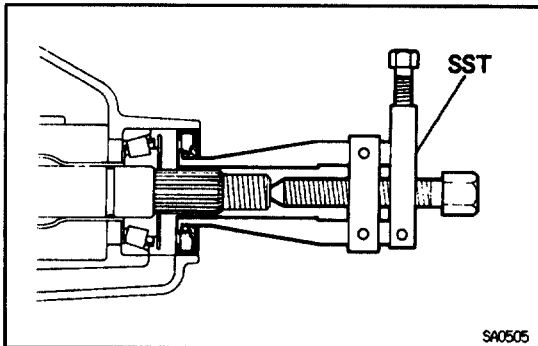


### 3. REMOVE COMPANION FLANGE

- (a) Using a chisel and hammer, loosen the staked part of the nut.
- (b) Using SST to hold the flange, remove the nut and washer.  
SST 09330-00021

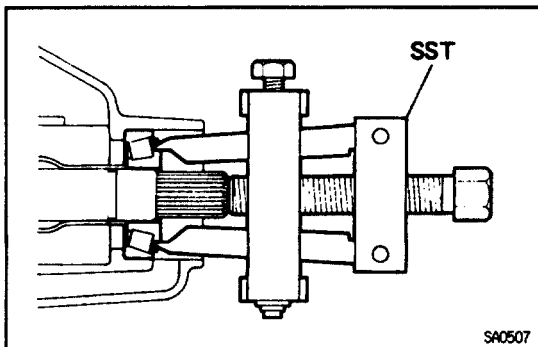


- (c) Using SST, remove the companion flange.  
SST 09557-22022 (09557-22030)



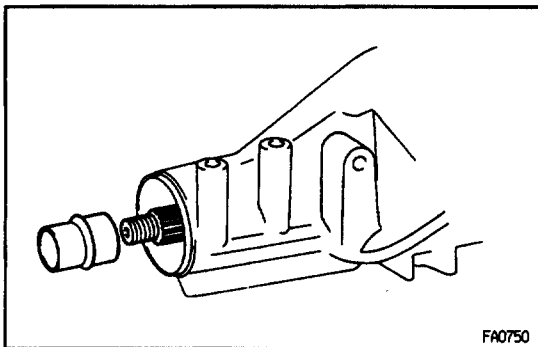
#### 4. REMOVE OIL SEAL AND OIL SLINGER

- (a) Using SST, remove the oil seal.  
SST 09308-10010  
(b) Remove the oil slinger.



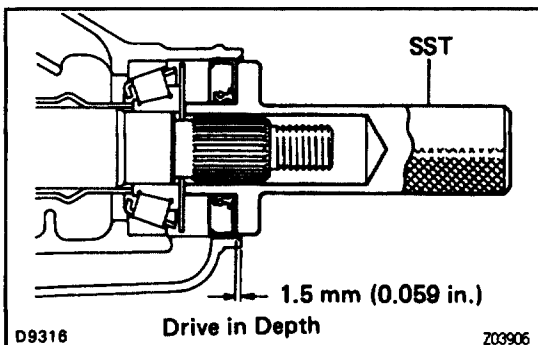
#### 5. REMOVE REAR BEARING AND BEARING SPACER

- (a) Using SST, remove the rear bearing from the drive pinion.  
SST 09556-22010  
(b) Remove the bearing spacer.



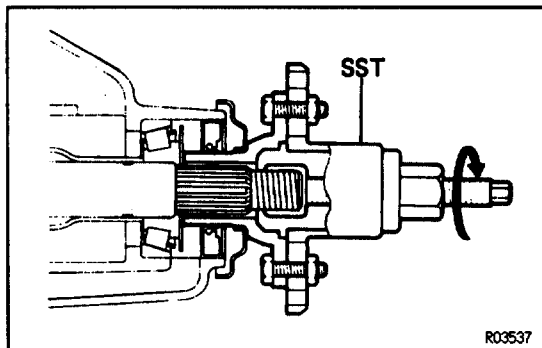
#### 6. INSTALL BEARING SPACER, REAR BEARING AND OIL SLINGER

- (a) Install a new bearing spacer.  
(b) Install the rear bearing.  
(c) Install the oil slinger.



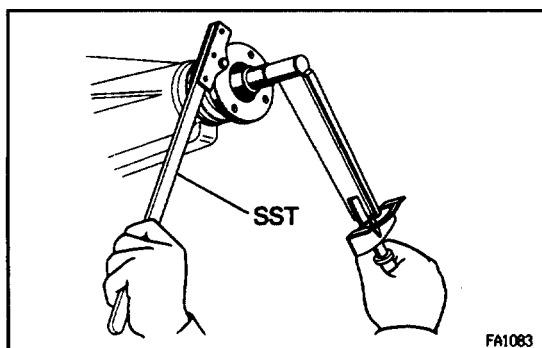
#### 7. INSTALL OIL SEAL

- (a) Using SST and a hammer, install a new oil seal.  
SST 09554-30011  
**Oil seal drive in depth:**  
**1.5 mm (0.059 in.)**  
(b) Apply MP grease to the oil seal lip.

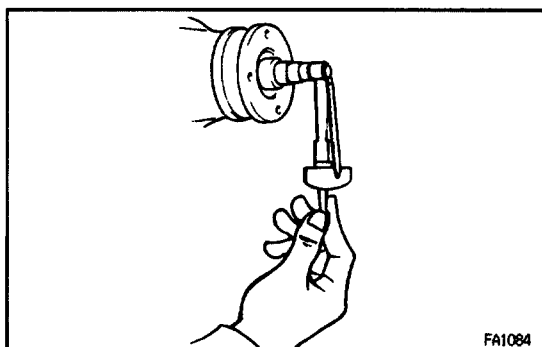


## 8. INSTALL COMPANION FLANGE

- (a) Using SST, install the companion flange on the drive pinion. SST 09557-22022 (09557-22030)
- (b) Place the washer on the companion flange.



- (c) Apply light coat of gear MP grease on threads of a new companion flange nut.
- (d) Using SST to hold the flange, torque the nut. SST 09330-00021  
**Torque: 120 N·m (1,225 kgf·cm, 89 ft·lbf)**



## 9. ADJUST DRIVE PINION PRELOAD

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

**New bearing preload (at starting):**

**1.2–1.9 N·m (12–19 kgf·cm, 10.4–16.5 in.·lbf)**

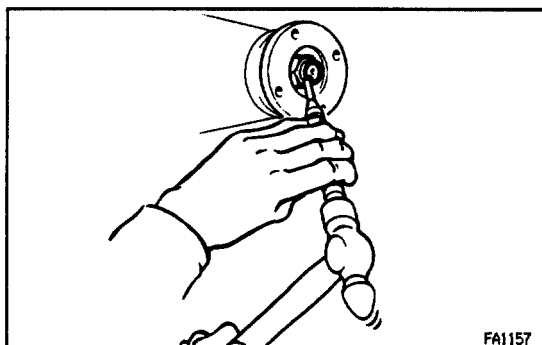
**Reused bearing preload (at starting):**

**0.6–1.0 N·m (6–10 kgf·cm, 5.2–8.7 in.·lbf)**

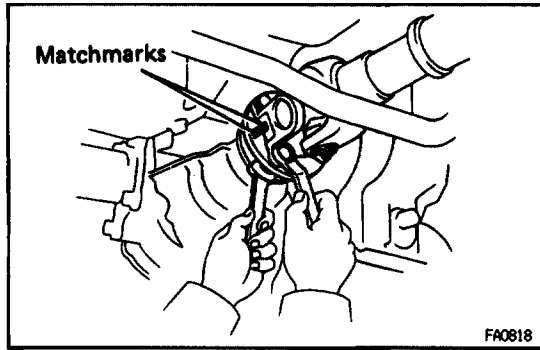
- If the preload is greater than specification, replace the bearing spacer.
- If the preload is less than specification, retighten the nut 13 N·m (130 kgf·cm, 9 ft·lbf) a little at a time until the specified preload is reached.

**Maximum torque: 223 N·m (2,275 kgf·cm, 165 ft·lbf)**

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

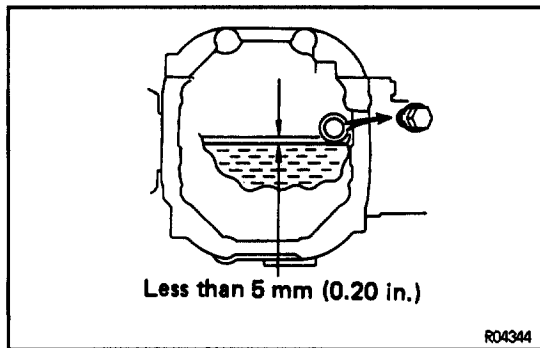


## 10. STAKE DRIVE PINION NUT

**11. CONNECT FRONT 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: 74 N·m (750 kgf·cm, 54 ft·lbf)**

**12. FILL DIFFERENTIAL WITH GEAR OIL**

**w/ A.D.D.:**

**Oil type:**

**Hypoid gear oil API GL-5**

**Recommended oil viscosity:**

**SAE 75W-90**

**Capacity:**

**1.86 liters (1.97 US qts, 1.64 Imp. qts)**

**w/o A.D.D.:**

**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:**

**1.60 liters (1.69 US qts, 1.41 Imp. qts)**