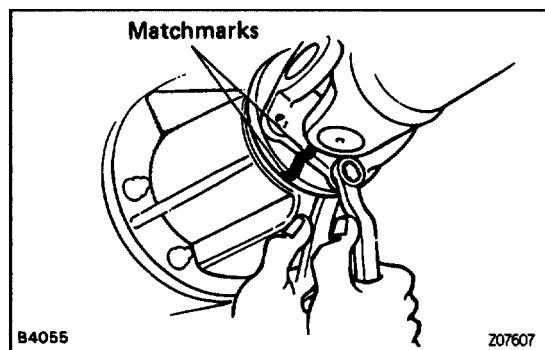
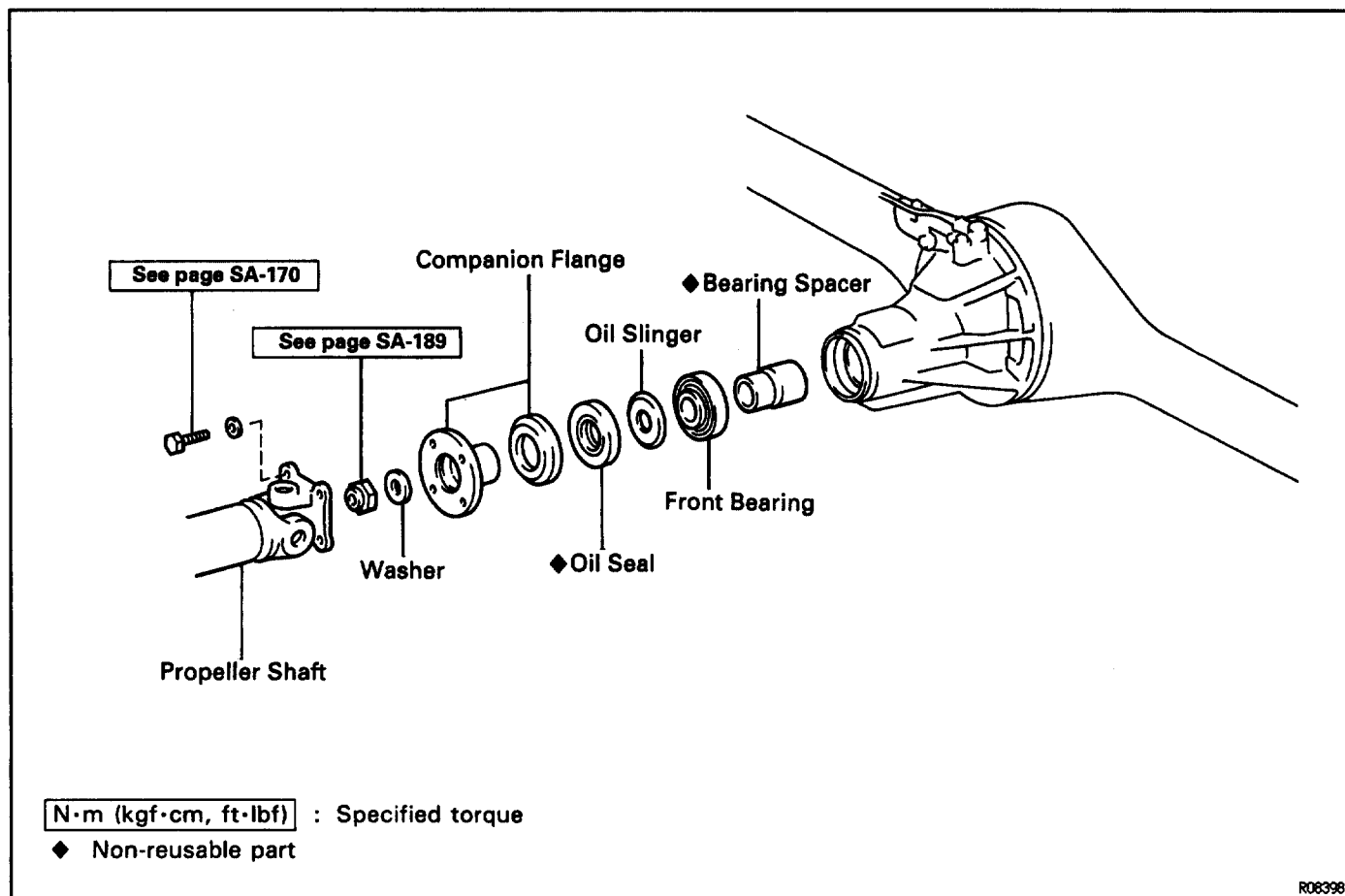


## ON-VEHICLE REPAIR COMPONENTS



### OIL SEAL ON-VEHICLE REPLACEMENT

#### 1. DISCONNECT PROPELLER SHAFT FROM DIFFERENTIAL

- (a) Place matchmarks on the flanges.
- (b) Remove the 4 bolts and nuts.

#### 2. REMOVE COMPANION FLANGE

(See step 1 on page [SA-177](#))

#### 3. REMOVE OIL SEAL AND OIL SLINGER

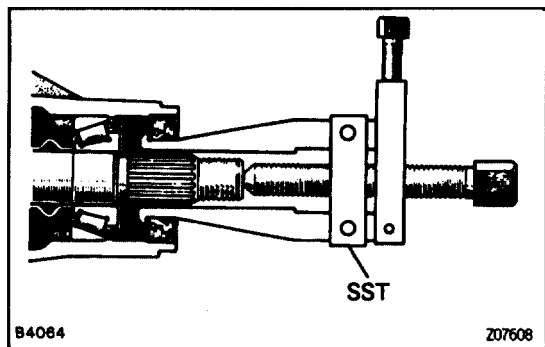
- (a) Using SST, remove the oil seal from the housing.  
SST 09308-10010
- (b) Remove the oil slinger.

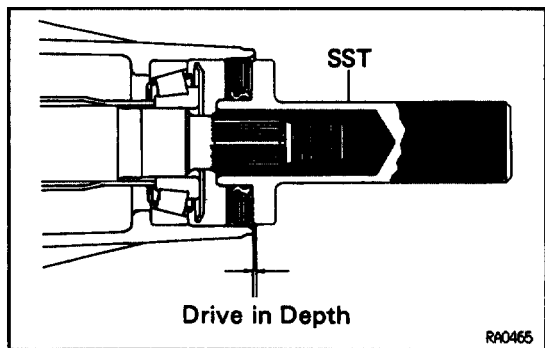
#### 4. REMOVE FRONT BEARING AND BEARING SPACER

(See step 3 on page [SA-177](#))

#### 5. INSTALL NEW BEARING SPACER AND FRONT BEARING

(See step 14 on page [SA-188](#))





## 6. INSTALL OIL SLINGER AND NEW OIL SEAL

- (a) Install the oil slinger facing, as shown.
- (b) Using SST, drive in a new oil seal, as shown.

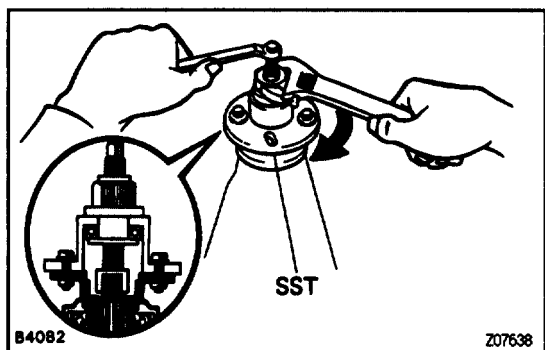
SST 09554-30011

Oil seal drive in depth:

7.5 in. 1.5 mm (0.059 in.)

8 in. 1.0 mm (0.039 in.)

- (c) Apply MP grease to the oil seal lip.



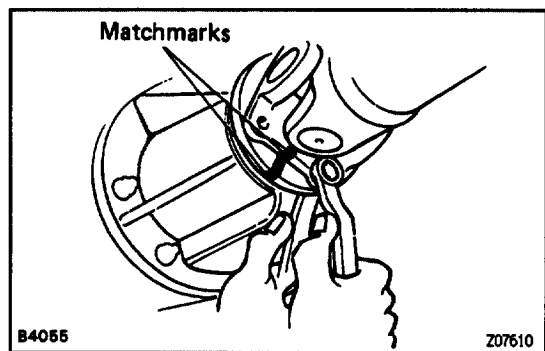
## 7. INSTALL COMPANION FLANGE

(See step 16 on page [SA-189](#))

## 8. ADJUST DRIVE PINION BEARING PRELOAD

(See step 17 on page [SA-190](#))

## 9. STAKE DRIVE PINION NUT



## 10. CONNECT PROPELLER SHAFT FLANGE TO COMPANION FLANGE

- (a) Align the matchmarks on the flanges and connect the flanges with the 4 bolts and nuts.
- (b) Torque the 4 bolts and nuts.

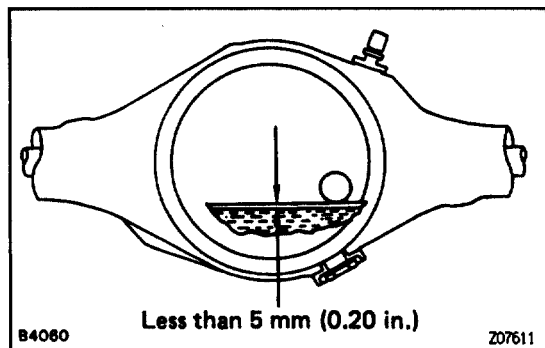
Torque:

4WD 3VZ-E [MT]

76 N·m (780 kgf·cm, 56ft·lbf)

Ex. 4WD 3VZ-E [MT]

74 N·m (750 kgf·cm, 54ft·lbf)

**11. CHECK DIFFERENTIAL OIL LEVEL**

Fill with hypoid gear oil if necessary.

**Oil type:**

API GL-5 hypoid gear oil

**Viscosity:**

Above -18°C (0°F) SAE 90

Below -18°C (0°F) SAE 80W or 80W-90

**Capacity:**

**2WD:**

Ring gear size	Pinion shaft	Capacity liters (Us qts, Imp.qts)
7.5 in.	2 pinion	1.35 (1.43, 1.19)
8 in.	2 pinion	1.8 (1.9, 1.6)
8 in.	4 pinion	2.2 (2.3, 1.9)

**4WD:**

Ring gear size	Pinion shaft	Capacity liters (Us qts, Imp.qts)
8 in.	2 pinion	2.2 (2.3, 1.9)
8 in.	4 pinion	2.2 (2.3, 1.9)