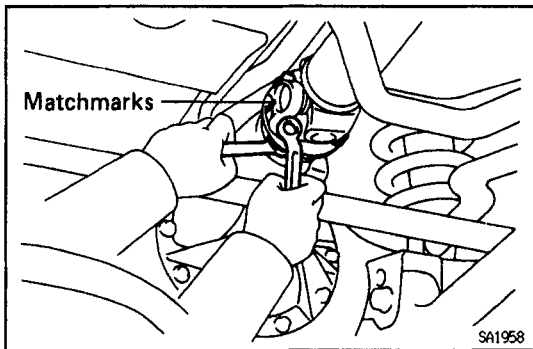
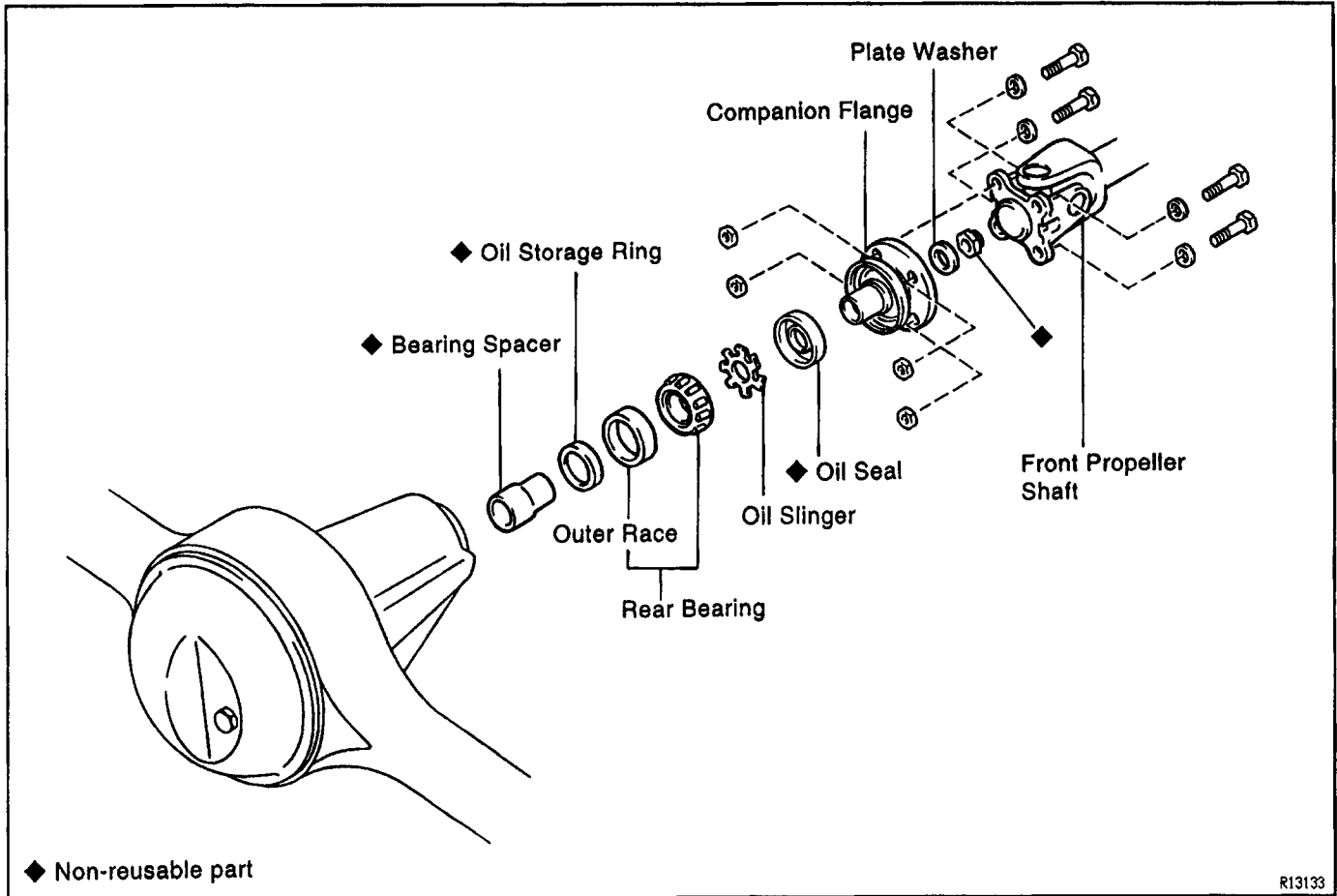
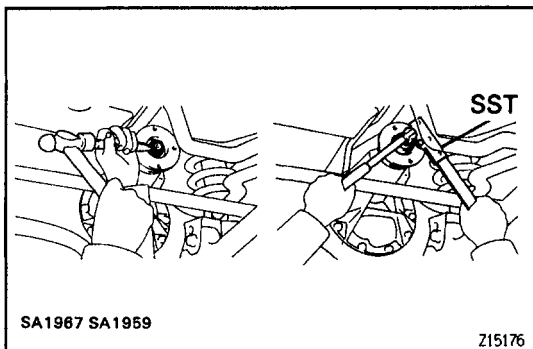


ON-VEHICLE REPAIR COMPONENTS



REAR OIL SEAL REPLACEMENT

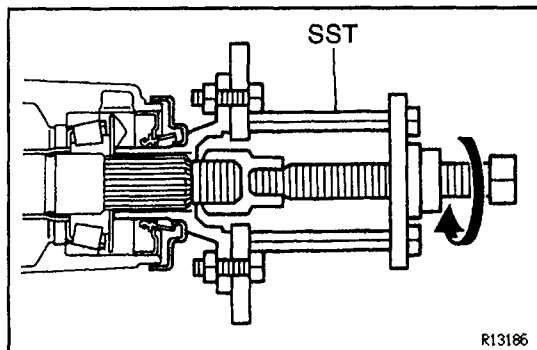
1. **DRAIN DIFFERENTIAL OIL**
2. **DISCONNECT FRONT PROPELLER SHAFT**
 - (a) Place matchmarks on the flanges.
 - (b) Remove the 4 nuts, bolts and washers.
 - (c) Disconnect the front propeller shaft.



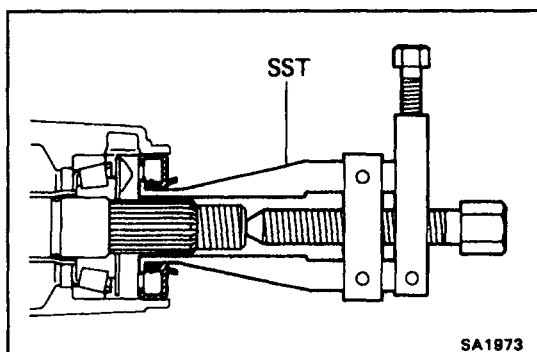
3. **REMOVE COMPANION FLANGE**

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

SST 09330-00021

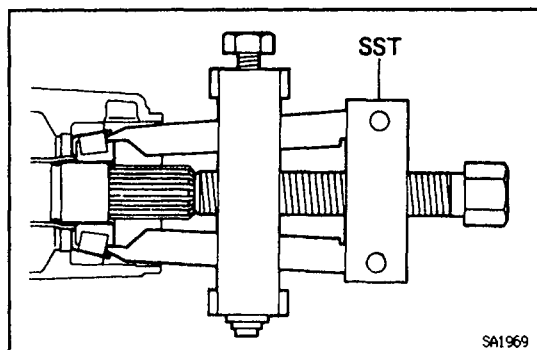


- (c) Using SST, remove the companion flange.
SST 09950-30010



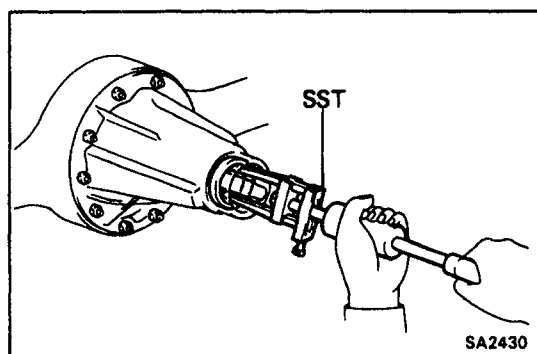
4. REMOVE OIL SEAL AND OIL SLINGER

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



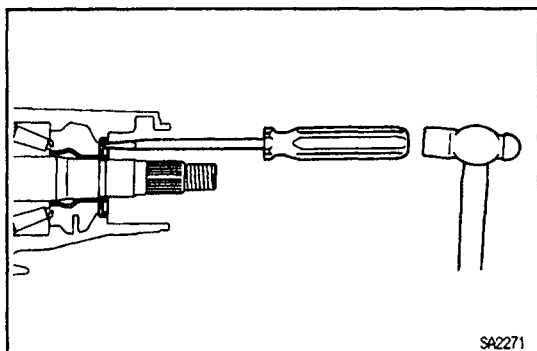
5. REMOVE REAR BEARING

Using SST, remove the rear bearing from the drive pinion.
SST 09556-22010



6. REMOVE REAR BEARING OUTER RACE

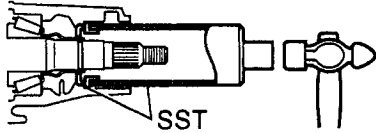
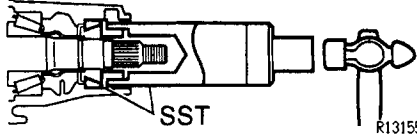
Using SST, remove the bearing outer race.
SST 09308-00010
NOTICE: Do not scratch the taper surface of the outer race.



7. REMOVE OIL STORAGE RING

Using a screwdriver, bend the oil storage ring and drive it out.

8. REMOVE BEARING SPACER

Oil Storage Ring**Rear Bearing****9. INSTALL BEARING SPACER****10. INSTALL OIL STORAGE RING**

Using SST, install a new oil storage ring.

SST 09316-60010 (09316-00010, 09316-00020)

11. INSTALL REAR BEARING

(a) Using SST, install the bearing outer race.

SST 09316-60010 (09316-00010, 09316-00020)

(b) Install the rear bearing.

12. INSTALL OIL SLINGER AND OIL SEAL

(a) Install the oil slinger.

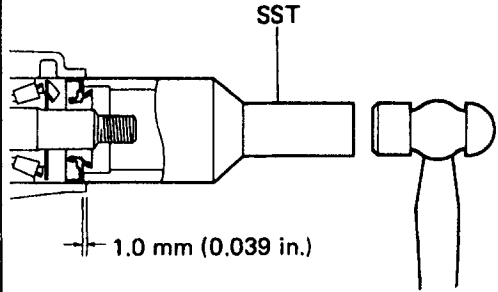
(b) Using SST, install a new oil seal, as shown.

SST 09214-76011

Oil seal drive in depth:

1.0 mm (0.039 in.)

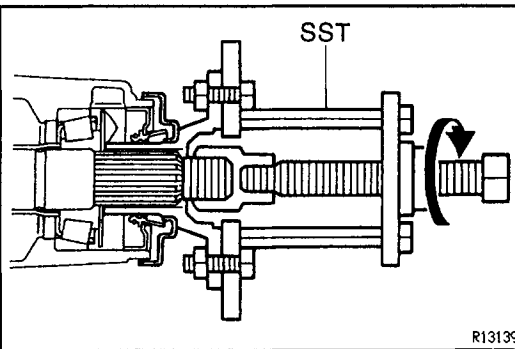
(c) Coat the lip of the oil seal with MP grease.

**13. INSTALL COMPANION FLANGE**

(a) Using SST, install the companion flange on the drive pinion.

SST 09950-30010

(b) Place the plate washer on the companion flange.

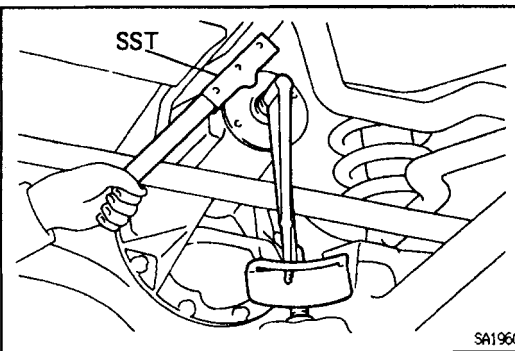


(c) Apply light coat of gear oil on threads of a new companion flange nut.

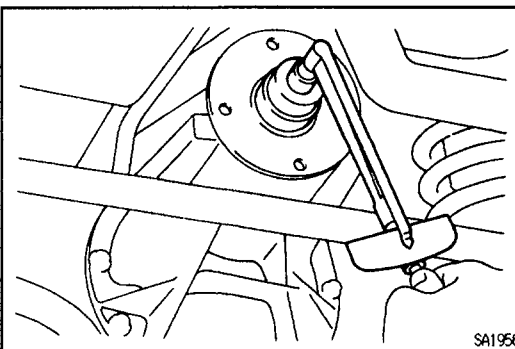
(d) Using SST to hold the flange, torque the nut.

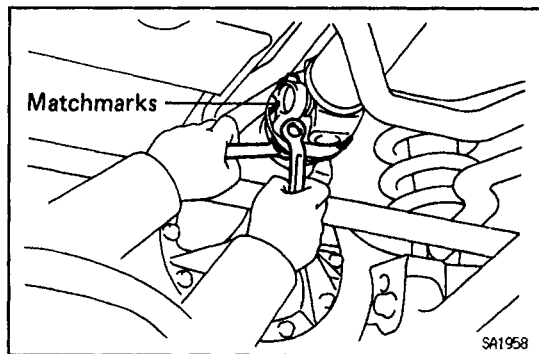
SST 09330-00021

Torque: 196 N·m (2,000 kgf·cm, 145 ft·lbf)

**14. ADJUST DRIVE PINION PRELOAD**

(See page [SA-47](#))

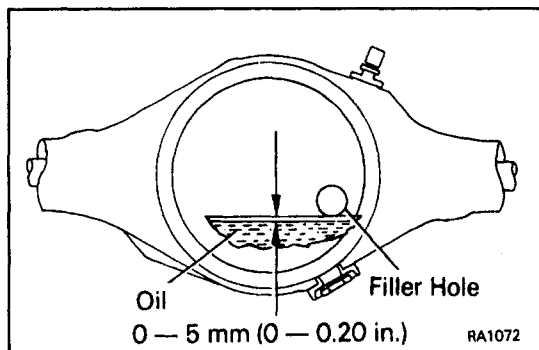
15. STAKE DRIVE PINION NUT



16. CONNECT FRONT PROPELLER SHAFT

- Align the matchmarks and connect the propeller shaft to the companion flange with the 4 bolts, washers and nuts.
- Torque the bolts.

Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)



17. FILL DIFFERENTIAL WITH GEAR OIL

Torque:

Drain plug: 49 N·m (500 kgf·cm, 39 ft·lbf)

Filler plug: 49 N·m (500 kgf·cm, 39 ft·lbf)

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:

w/o Differential lock:

2.80 liters (2.9 US qts, 2.5 Imp. qts)

w/ Differential lock:

2.65 liters (2.8 US qts, 2.3 Imp. qts)