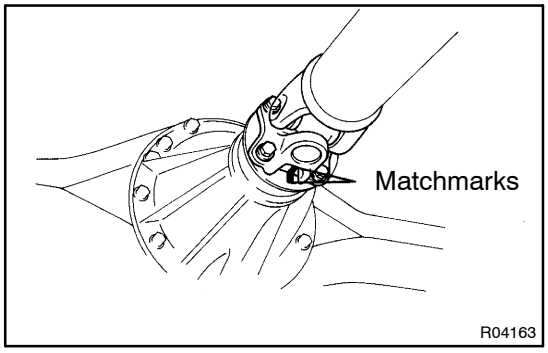
SA15L–07

REPLACEMENT



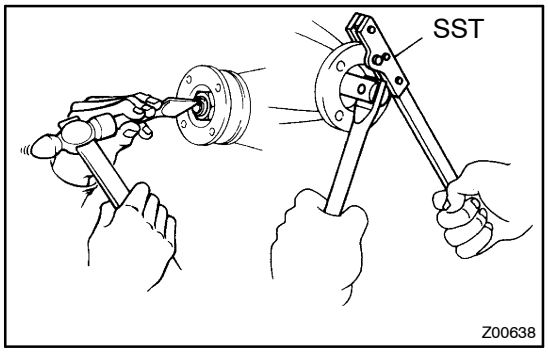
1. DISCONNECT REAR PROPELLER SHAFT

(a) Place matchmarks on the rear propeller shaft and companion flange.

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

(c) Support the propeller shaft securely.

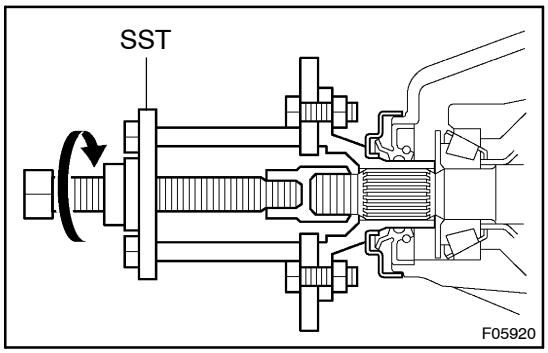
2. DRAIN HYPOID GEAR OIL



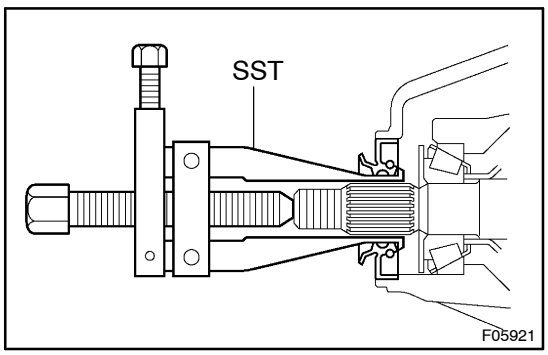
3. REMOVE COMPANION FLANGE

(a) Using a chisel and hammer, unstake the nut.

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



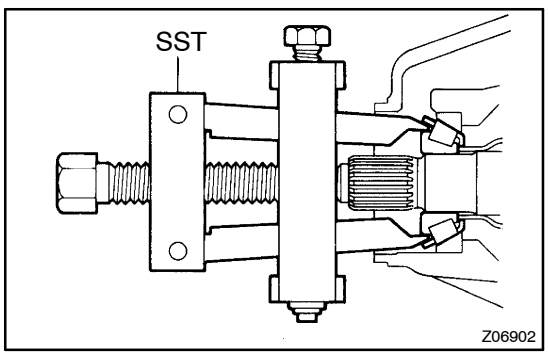
(c) Using SST, remove the companion flange.
SST 09950–30011 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03040)



4. REMOVE OIL SEAL AND OIL SLINGER

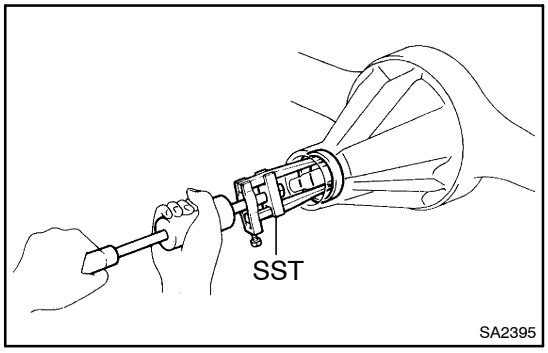
(a) Using SST, remove the oil seal.
SST 09308–10010

(b) Remove the oil slinger.



5. REMOVE FRONT BEARING

Using SST, remove the front bearing from the drive pinion.
SST 09556–22010



6. REMOVE BEARING OUTER RACE

Using SST, remove the bearing outer race.

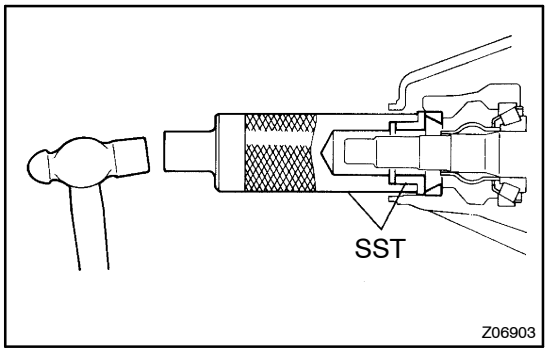
SST 09308–00010

NOTICE:

Do not scratch the taper surface of the outer race.

7. REMOVE BEARING SPACER

8. INSTALL NEW BEARING SPACER



9. INSTALL BEARING OUTER RACE

Using SST and a hammer, install the bearing outer race.

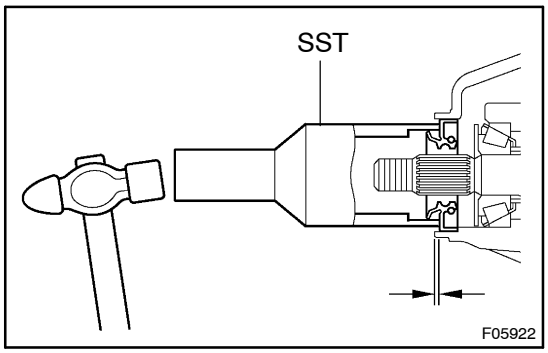
SST 09316–60011 (09316–00011, 09316–00021)

10. INSTALL FRONT BEARING

11. INSTALL OIL SLINGER AND NEW OIL SEAL

(a) Install the oil slinger.

(b) Coat the hypoid gear oil to a new oil seal periphery.

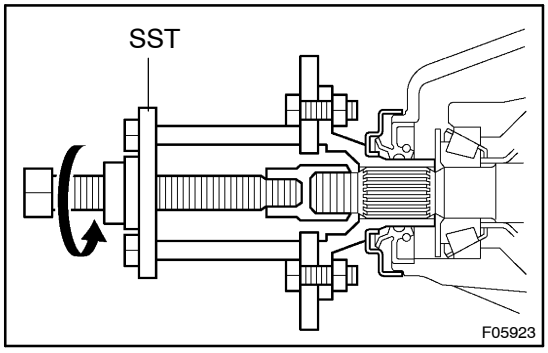


(c) Using SST and a hammer, install a new oil seal.

SST 09214–76011

Oil seal drive in depth: 0.5 mm (0.020 in.)

(d) Coat the MP grease to the oil seal lip.



12. INSTALL COMPANION FLANGE

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

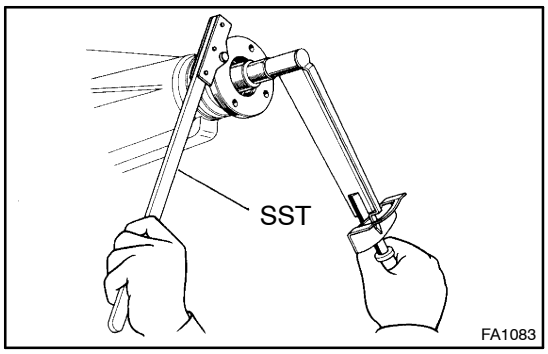
SST 09950–30011 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03040)

(b) w/ LSD:

Coat the threads of a new nut with hypoid gear oil LSD.

(c) Others:

Coat the threads of a new nut with hypoid gear oil.



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

SST 09330–00021

Torque: 245 N·m (2,500 kgf·cm, 181 ft·lbf)

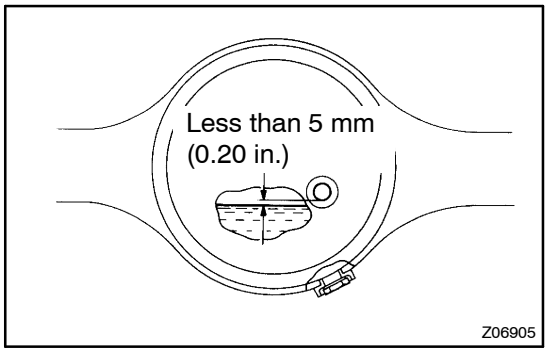
13. ADJUST DRIVE PINION PRELOAD
(See page SA–59, SA–79 or SA–101)

14. STAKE DRIVE PINION NUT

15. CONNECT REAR PROPELLER SHAFT

(a) Align the matchmarks on the rear propeller shaft and companion flange.

(b) Install the 4 bolts, washers and nuts.
Torque: 88 N·m (900 kgf·cm, 65 ft·lbf)



16. FILL DIFFERENTIAL WITH HYPOID GEAR OIL
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)
Oil type:
w/o LSD: Hypoid gear oil API GL–5
w/ LSD: Hypoid gear oil LSD API GL–5
Recommended oil viscosity:
Above –18°C (0°F) SAE 90
Below –18°C (0°F) SAE 80W–90 or 80W
Capacity:
w/ Diff. Lock: 2.3 liters (2.43 US qts, 2.02 Imp.qts)
Others: 2.4 liters (2.54 US qts, 2.11 Imp.qts)