REAR DIFFERENTIAL CARRIER OIL SEAL

REPLACEMENT

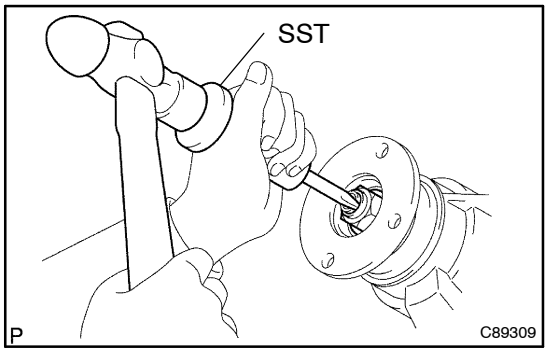
2906B–01

HINT:

COMPONENTS: See page 29–35

1. REMOVE PROPELLER SHAFT ASSY (SHORT BODY TYPE) (See page 30–12)

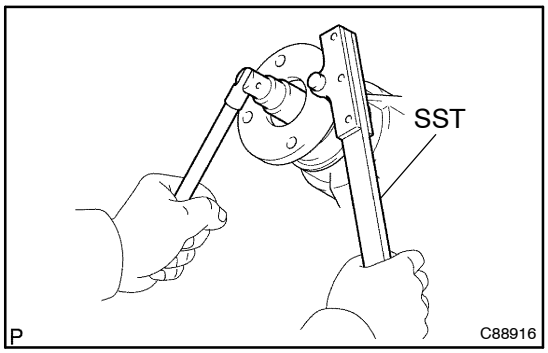
2. REMOVE PROPELLER SHAFT ASSY (LONG BODY TYPE) (See page 30–12)



3. REMOVE REAR DRIVE PINION NUT

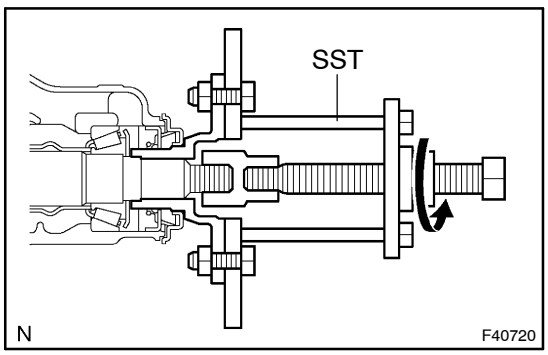
(a) Using a chisel and a hammer, loosen the staked part of the nut.

SST 09930–00010



(b) Using SST to hold the drive pinion companion flange, remove the nut.

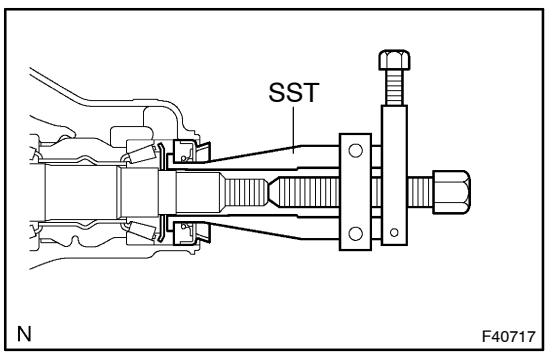
SST 09330–00021, (09330–00030)



4. REMOVE REAR DRIVE PINION COMPANION FLANGE SUB–ASSYREAR

(a) Using SST, remove the drive pinion companion flange sub–assy.

SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03030)

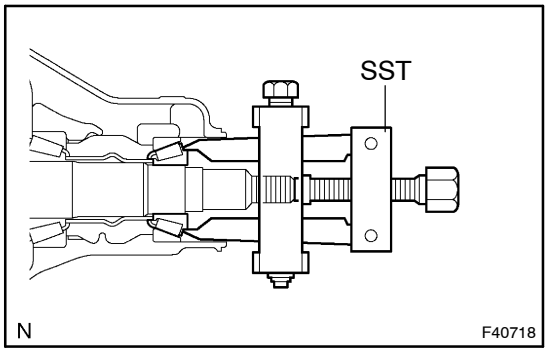


5. REMOVE REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST, remove the differential carrier oil seal.

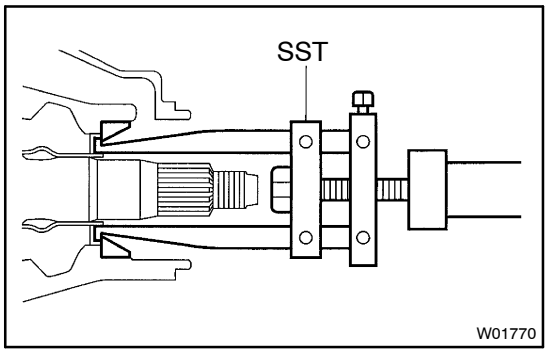
SST 09308–10010

6. REMOVE REAR DIFFERENTIAL DRIVE PINION OIL SLINGER



7. REMOVE REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

(a) Using SST, remove the tapered roller bearing (inner).
SST 09556–22010

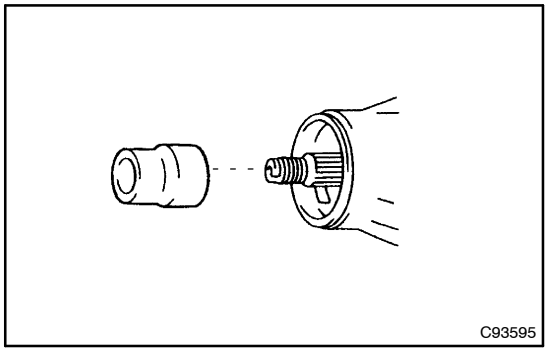


(b) Using SST, remove tapered roller bearing (outer).
SST 09308–00010

8. REMOVE DIFFERENTIAL OIL STORAGE RING

(a) Using a screwdriver and a hammer, remove the oil storage ring.

9. REMOVE REAR DIFFERENTIAL DRIVE PINION BEARING SPACER

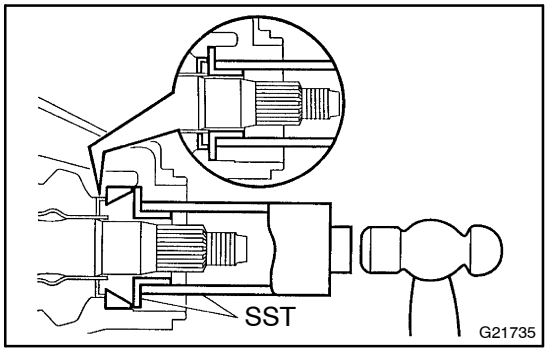


10. INSTALL REAR DIFFERENTIAL DRIVE PINION BEARING SPACER

(a) Install a new rear differential drive pinion bearing spacer.

11. INSTALL DIFFERENTIAL OIL STORAGE RING

(a) Using a brass bar and a hammer, install a new oil storage ring.

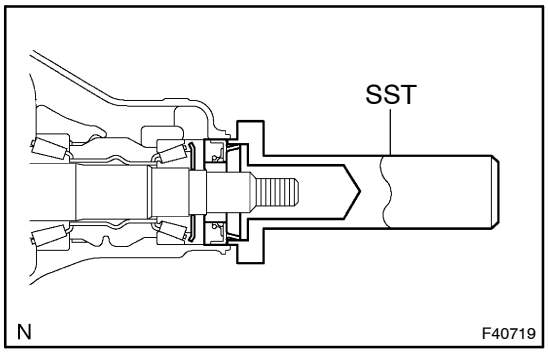


12. INSTALL REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

(a) Using SST and a hammer, install a new tapered roller bearing (outer).
SST 09316–60011 (09316–00011, 09316–00021)

(b) Install the tapered roller bearing (inner).

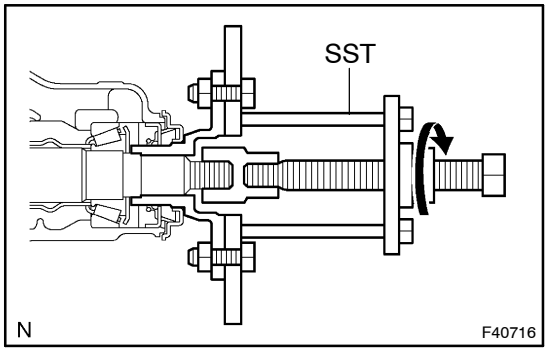
13. INSTALL REAR DIFFERENTIAL DRIVE PINION OIL SLINGER



14. INSTALL REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST and a hammer, install a new rear differential carrier oil seal.
SST 09554–30011
Oil seal drive in depth:
1.0 ± 0.45 mm (0.039 ± 0.018 in.)

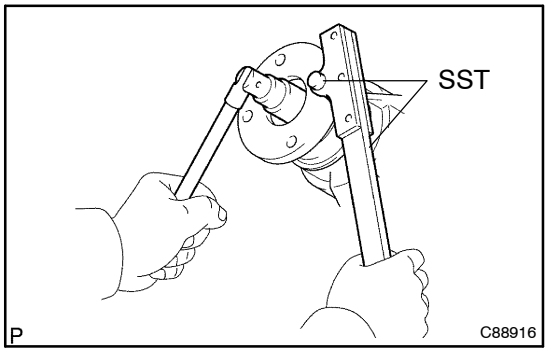
(b) Coat MP grease to the oil seal lip.



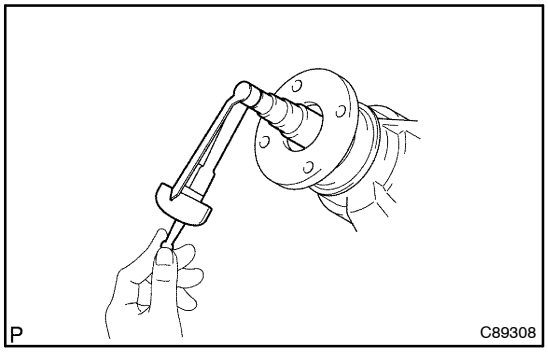
15. INSTALL REAR DRIVE PINION COMPANION FLANGE SUB–ASSYREAR

(a) Using SST, install the rear drive pinion companion flange sub–assy.
SST 09950–30012 (09951–03010, 09953–03010, 09954–03010, 09955–03030, 09956–03030)

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



(c) Using SST to hold the rear drive pinion companion flange, torque the nut.
SST 09330–00021 (09330–00030)
Torque:
370 N·m (3,770 kgf·cm, 27 ft·lbf) or less



16. INSPECT DIFFERENTIAL DRIVE PINION PRELOAD

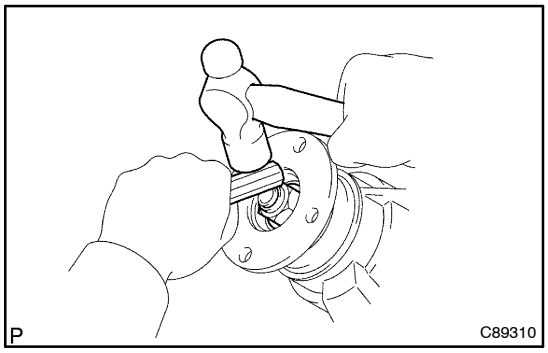
(a) Using a torque wrench, measure the preload.

New bearing:

1.05 – 1.64 N·m (11 – 17 kgf·cm, 9.3 – 15 in.·lbf)

Reused bearing:

0.56 – 0.85 N·m (6 – 9 kgf·cm, 4.9 – 7.5 in.·lbf)



17. INSTALL REAR DRIVE PINION NUT

(a) Using a chisel and hammer, stake the drive pinion companion flange nut.

18. INSTALL PROPELLER SHAFT ASSY (SHORT BODY TYPE) (See page 30–12)

19. INSTALL PROPELLER SHAFT ASSY (LONG BODY TYPE) (See page 30–12)

20. REFILL DIFFERENTIAL OIL (See page 29–3)

21. INSPECT AND ADJUST DIFFERENTIAL OIL (See page 29–3)