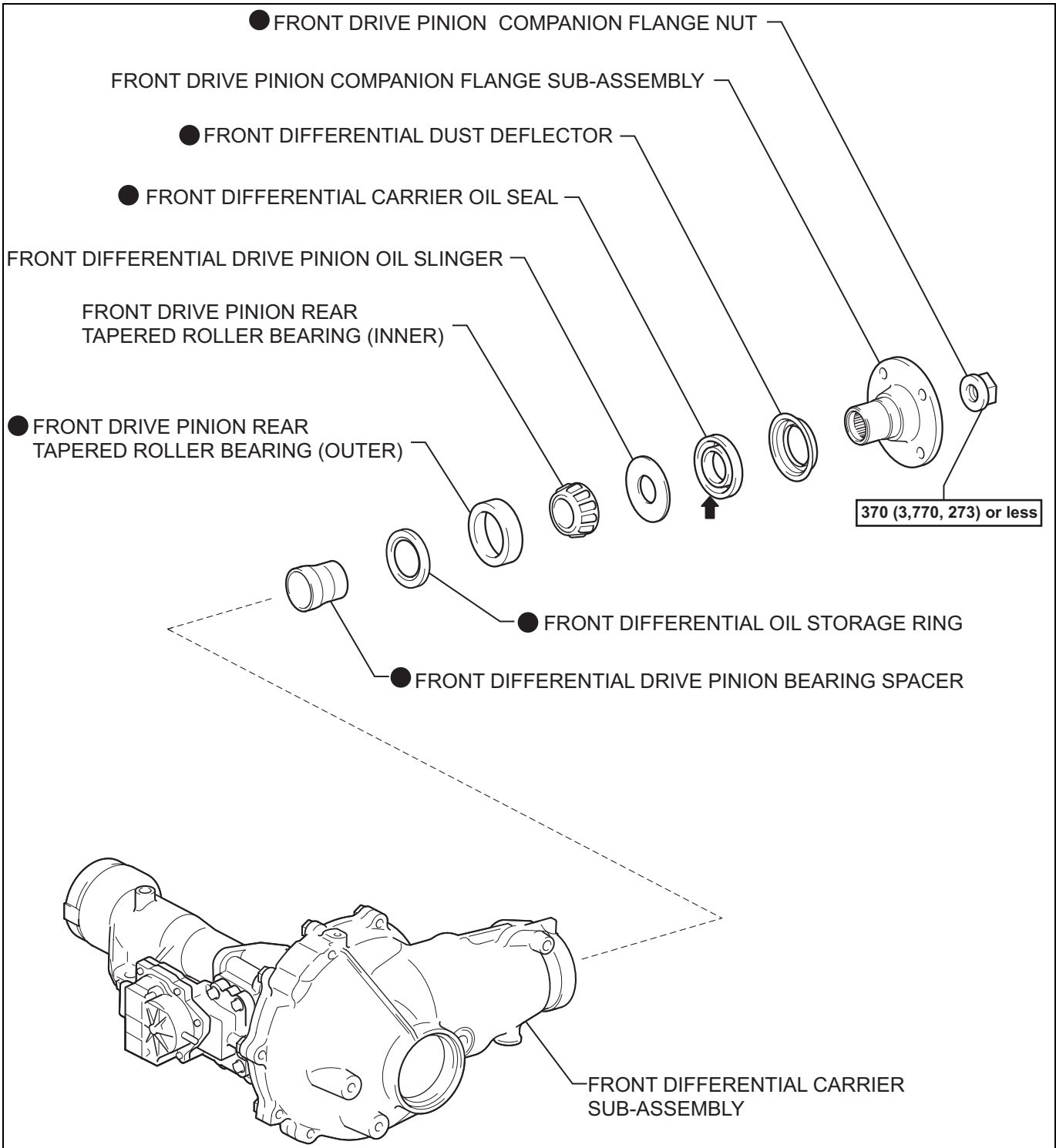


FRONT DIFFERENTIAL CARRIER OIL SEAL

COMPONENTS



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

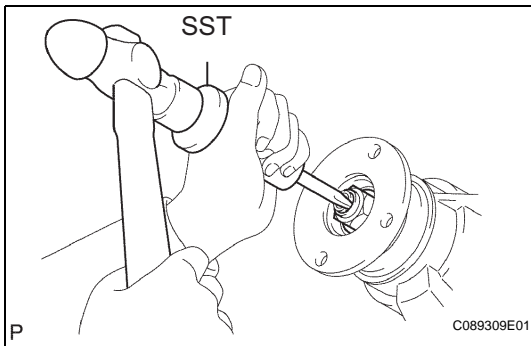
● Non-reusable part ← MP grease

DF

P

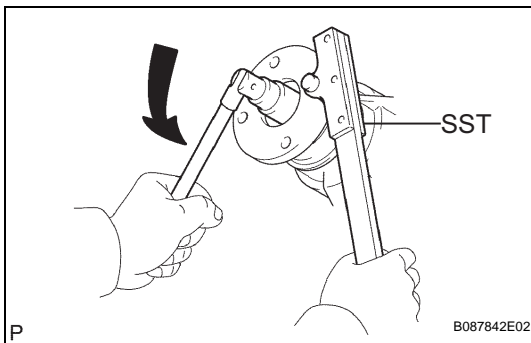
REMOVAL

1. REMOVE NO. 1 ENGINE UNDER COVER (See page [EM-6](#))
2. REMOVE REAR ENGINE UNDER COVER ASSEMBLY
 - (a) Remove the 4 bolts, then remove the rear engine under cover.
3. REMOVE FRONT PROPELLER SHAFT ASSEMBLY (See page [PR-2](#))
4. REMOVE FRONT DRIVE PINION COMPANION FLANGE NUT



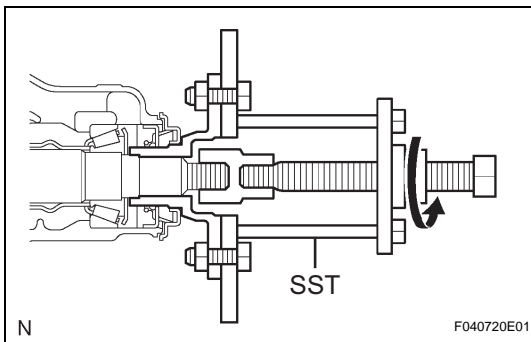
- (a) Using SST and a hammer, loosen the staked part of the nut.

SST 09930-00010



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

SST 09330-00021 (09330-00030)



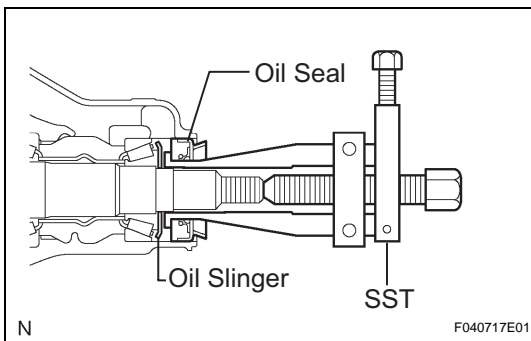
5. REMOVE FRONT DRIVE PINION COMPANION FLANGE SUB-ASSEMBLY

- (a) Using SST, remove the companion flange.

SST 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020)

NOTICE:

Before using SST (center bolt), apply hypoid gear oil to its threads and tip.

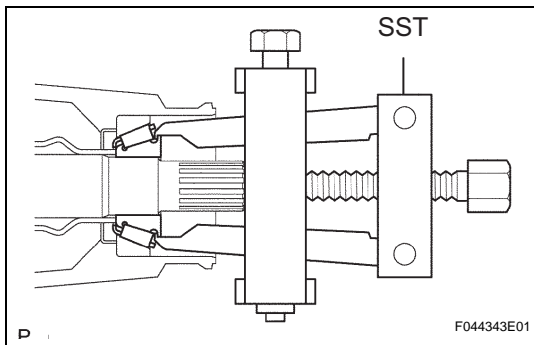


6. REMOVE FRONT DIFFERENTIAL CARRIER OIL SEAL

- (a) Using SST, remove the oil seal.

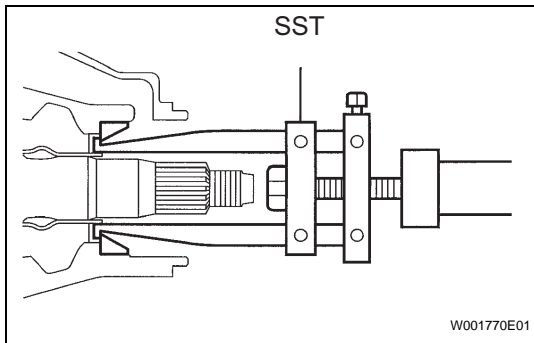
SST 09308-10010

7. REMOVE FRONT DIFFERENTIAL DRIVE PINION OIL SLINGER



8. REMOVE FRONT DRIVE PINION REAR TAPERED ROLLER BEARING

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

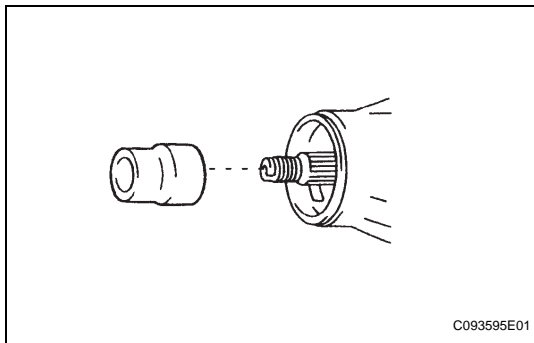


- (b) Using SST, tap out the roller bearing (outer).
SST 09308-00010

9. REMOVE FRONT DIFFERENTIAL OIL STORAGE RING

- (a) Using a screwdriver and hammer, tap out the oil storage ring.

10. REMOVE FRONT DIFFERENTIAL DRIVE PINION BEARING SPACER



INSTALLATION

1. INSTALL FRONT DIFFERENTIAL DRIVE PINION BEARING SPACER

- (a) Install a new bearing spacer.
HINT:
 Install the spacer in the correct direction.

2. INSTALL FRONT DIFFERENTIAL OIL STORAGE RING

- (a) Using a brass bar and hammer, tap in a new oil storage ring.

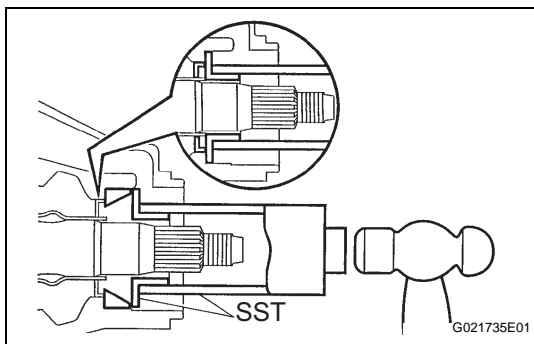
NOTICE:

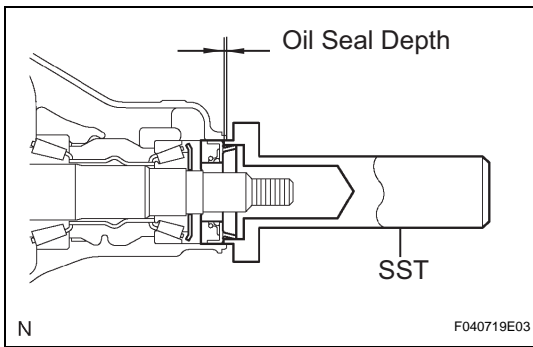
Be careful not to damage the oil storage ring.

3. INSTALL FRONT DRIVE PINION REAR TAPERED ROLLER BEARING

- (a) Using SST and a hammer, install the roller bearing (outer).
SST 09316-60011 (09316-00011, 09316-00021)
 (b) Install the roller bearing (inner).

4. INSTALL FRONT DIFFERENTIAL DRIVE PINION OIL SLINGER





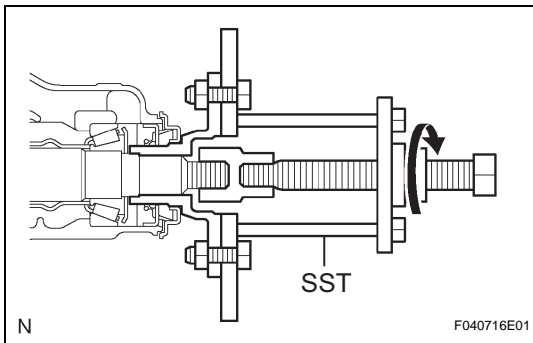
5. INSTALL FRONT DIFFERENTIAL CARRIER OIL SEAL

- (a) Apply MP grease to the lip of a new oil seal.
- (b) Using SST and a hammer, tap in the oil seal.

SST 09554-22010

Oil seal depth:

3.9 to 4.8 mm (0.152 to 0.188in.)



6. INSTALL FRONT DRIVE PINION COMPANION FLANGE SUB-ASSEMBLY

- (a) Using SST, instal the companion flange.
SST 09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020)

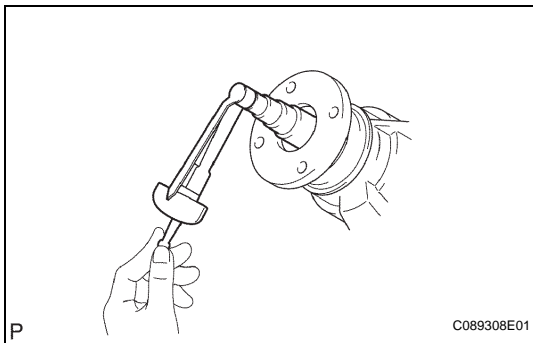
NOTICE:

Before using SST (center bolt), apply hypoid gear oil to its threads and tip.

- (b) Using SST to hold the companion flange, install the nut.

SST 09330-00021 (09330-00030)

Torque: 370 N*m (3,770 kgf*cm, 273 ft.*lbf) or less



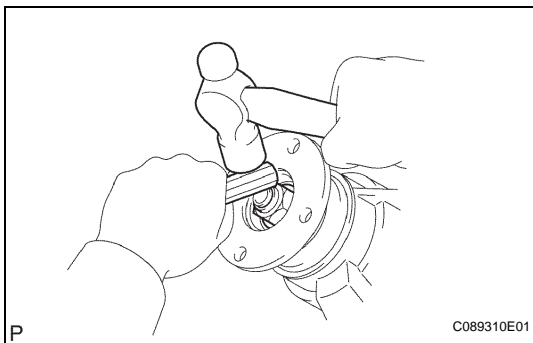
7. INSPECT DIFFERENTIAL DRIVE PINION PRELOAD

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

Preload (at starting)

Item	Specified Condition
New bearing	0.98 to 1.57 N*m (10 to 16 kgf*cm, 8.7 to 13.9 in.*lbf)
Used bearing	0.49 to 0.78 N*m (5 to 8 kgf*cm, 4.3 to 6.9 in.*lbf)

If the result is not as specified, adjust the preload.



8. STAKE FRONT DRIVE PINION COMPANION FLANGE NUT

- (a) Using a chisel and hammer, stake the nut.

9. INSTALL FRONT PROPELLER SHAFT ASSEMBLY (See page PR-6)

10. ADD DIFFERENTIAL OIL (See page DF-3)

11. CHECK FOR DIFFERENTIAL OIL LEAKAGE

12. INSTALL REAR ENGINE UNDER COVER ASSEMBLY

- (a) Install the rear engine under cover with the 4 bolts.
Torque: 29 N*m (296 kgf*cm, 21 ft.*lbf)

13. INSTALL NO. 1 ENGINE UNDER COVER (See page EM-7)