

PROCEDURE

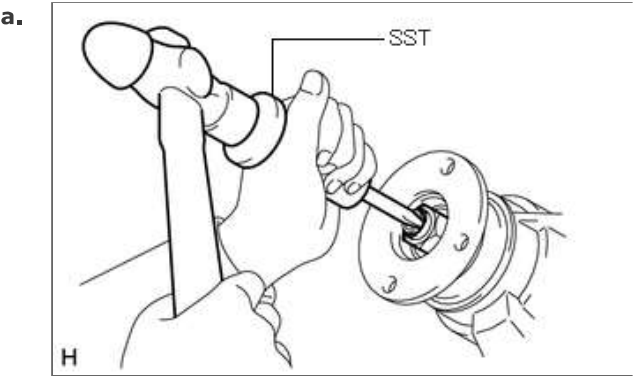
1.DRAIN DIFFERENTIAL OIL

Click hereDrivetrain>AXLE AND DIFFERENTIAL>DIFFERENTIAL OIL>REPLACEMENT

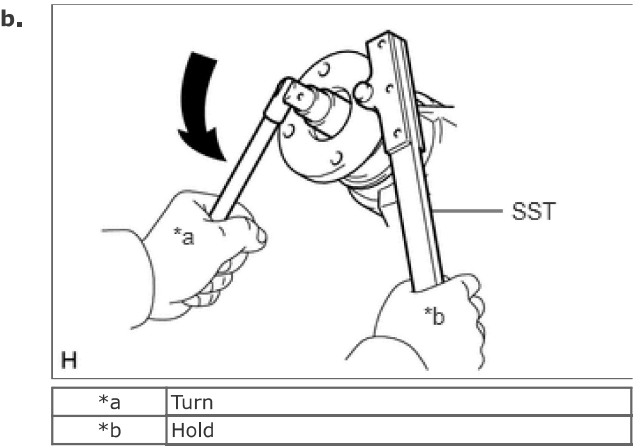
2.REMOVE FRONT PROPELLER SHAFT ASSEMBLY 37140

Click hereDrivetrain>DRIVE SHAFT / PROPELLER SHAFT>FRONT PROPELLER SHAFT ASSEMBLY>REMOVAL

3.REMOVE FRONT DRIVE PINION COMPANION FLANGE NUT 41204E

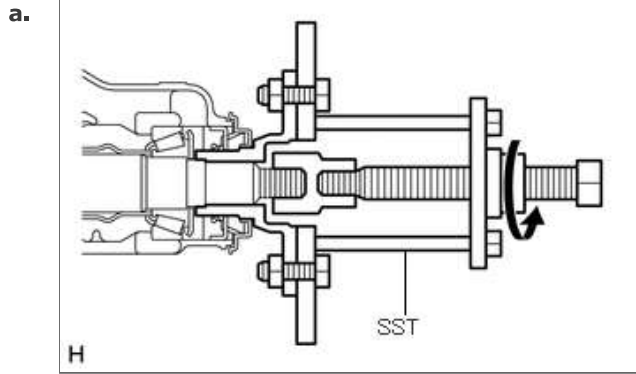


Using SST and a hammer, loosen the staked part of the front drive pinion companion flange nut.
SST
09930-00010 (09931-00010, 09931-00020)



Using SST, hold the front drive pinion companion flange sub-assembly, and remove the front drive pinion companion flange nut.
SST
09330-00021 (09330-00030)

4.REMOVE FRONT DRIVE PINION COMPANION FLANGE SUB-ASSEMBLY WITH DUST DEFLECTOR 41204D



Using SST, remove the front drive pinion companion flange sub-assembly with dust deflector.

SST

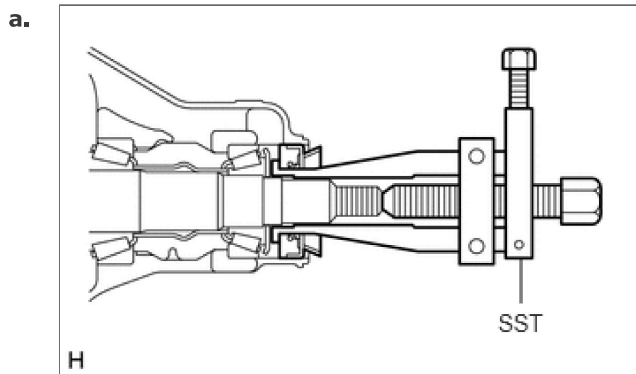
09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020)

NOTICE:

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

5.REMOVE FRONT DIFFERENTIAL CARRIER OIL SEAL

41101D



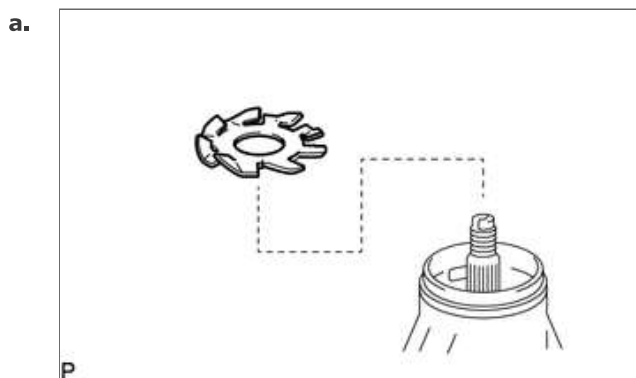
Using SST, remove the front differential carrier oil seal.

SST

09308-10010

6.REMOVE FRONT DIFFERENTIAL DRIVE PINION OIL SLINGER

41214C

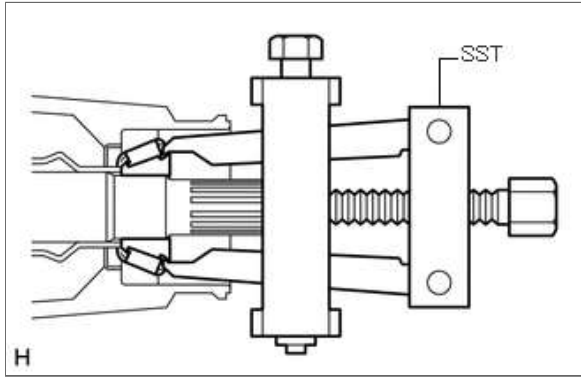


Remove the front differential drive pinion oil slinger from the differential drive pinion.

7.REMOVE FRONT DRIVE PINION REAR TAPERED ROLLER BEARING

41211B

a.

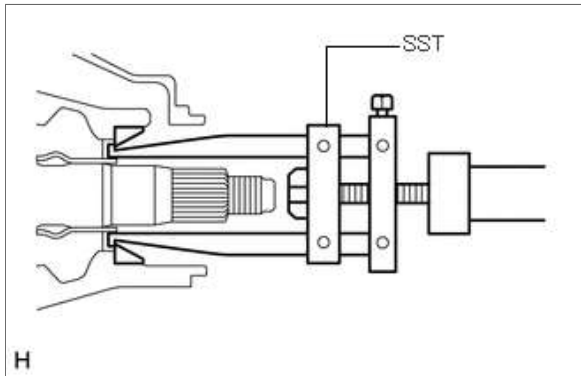


Using SST, remove the front drive pinion rear tapered roller bearing (inner race).

SST

09556-22010

b.



Using SST, tap out the front drive pinion rear tapered roller bearing (outer race).

SST

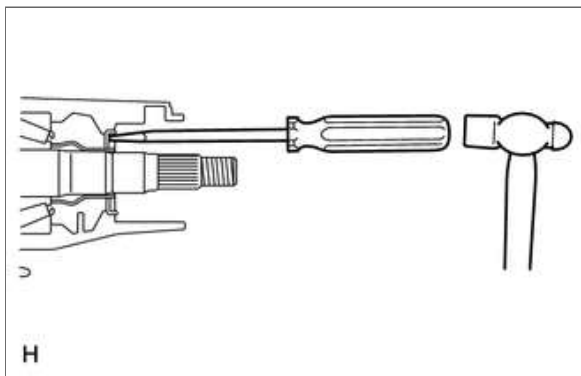
09308-00010



8.REMOVE FRONT DIFFERENTIAL OIL STORAGE RING

41115F

a.



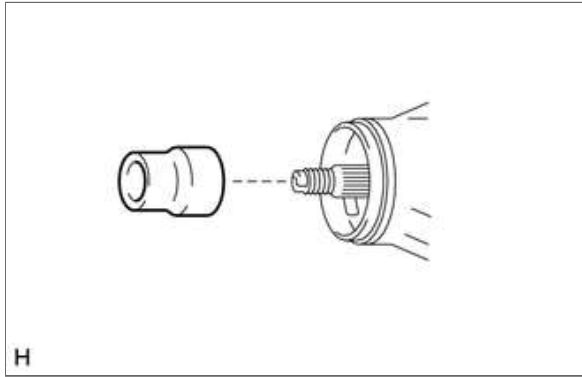
Using a screwdriver and hammer, tap out the front differential oil storage ring.



9.REMOVE FRONT DIFFERENTIAL DRIVE PINION BEARING SPACER

41231F

a.



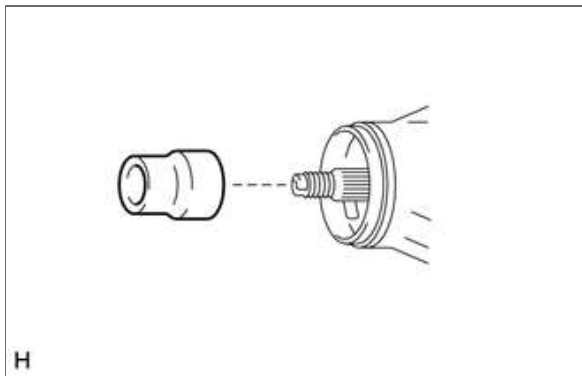
Remove the front differential drive pinion bearing spacer from the differential drive pinion.



10.INSTALL FRONT DIFFERENTIAL DRIVE PINION BEARING SPACER

41231F

a.



Install a new front differential drive pinion bearing spacer.

HINT:

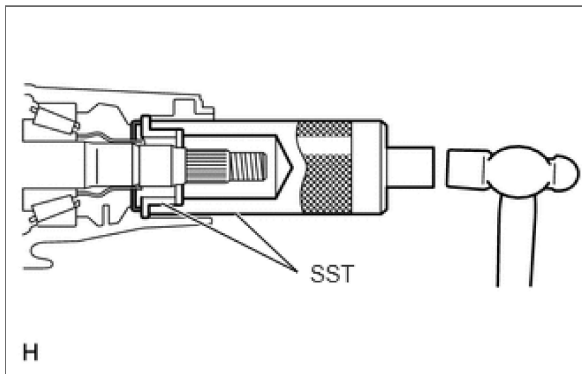
Make sure the front differential drive pinion bearing spacer is installed correctly.



11.INSTALL FRONT DIFFERENTIAL OIL STORAGE RING

41115F

a.



Using a brass bar and hammer, tap in a new front differential oil storage ring.

SST

09316-60011 (09316-00011, 09316-00021)

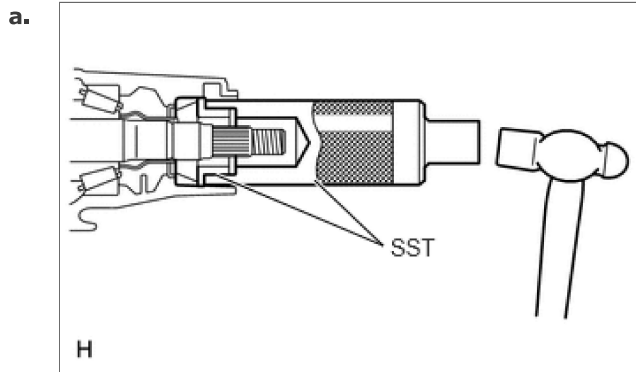
NOTICE:

Be careful not to damage the front differential oil storage ring.



12.INSTALL FRONT DRIVE PINION REAR TAPERED ROLLER BEARING

41211B



Using SST and a hammer, install the front drive pinion rear tapered roller bearing (outer race).

SST

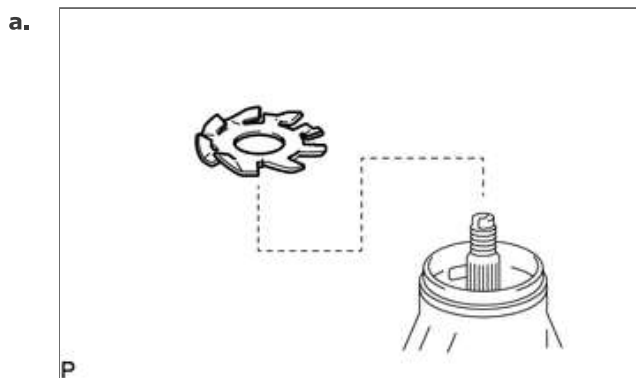
09316-60011 (09316-00011, 09316-00021)

- b. Install the front drive pinion rear tapered roller bearing (inner race).



13.INSTALL FRONT DIFFERENTIAL DRIVE PINION OIL SLINGER

41214C

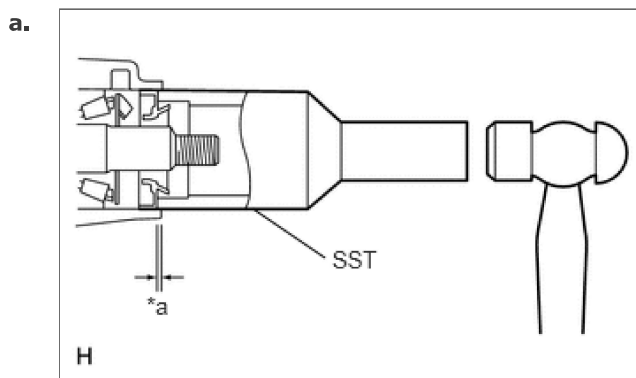


Install the front differential drive pinion oil slinger to the differential drive pinion.



14.INSTALL FRONT DIFFERENTIAL CARRIER OIL SEAL

41101D



*a

Oil Seal Depth

Using SST and a hammer, tap in a new front differential carrier oil seal.

SST

09214-76011

Oil seal depth:

0.55 to 1.45 mm (0.0217 to 0.0570 in.)

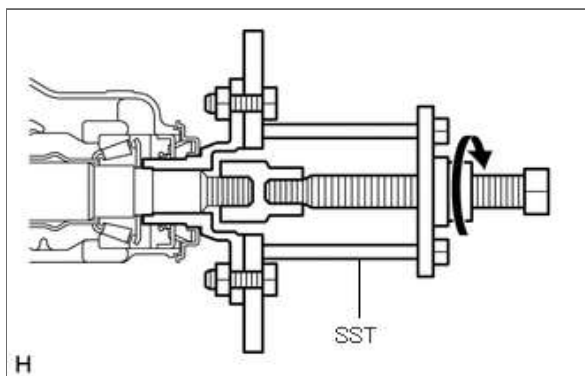
- b. Apply MP grease to the lip of the front differential carrier oil seal.



15.INSTALL FRONT DRIVE PINION COMPANION FLANGE SUB-ASSEMBLY WITH DUST DEFLECTOR

41204D

a.



Using SST, install the front drive pinion companion flange sub-assembly with dust deflector.

SST

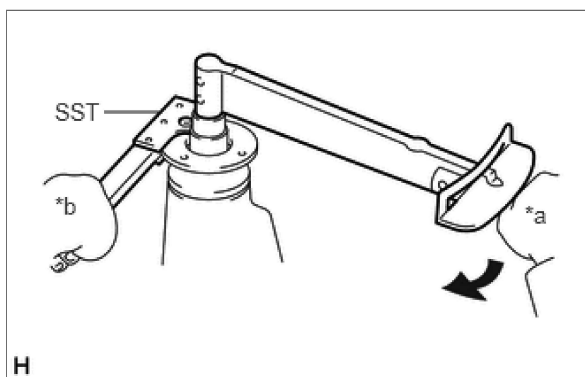
09950-30012 (09951-03010, 09953-03010, 09954-03010, 09955-03030, 09956-03020)

NOTICE:

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

- b. Apply hypoid gear oil LSD to the drive pinion threads and nut seat face.

c.



H

*a	Turn
*b	Hold

Using SST, hold the front drive pinion companion flange sub-assembly.

SST

09330-00021 (09330-00030)

- d. Using a 30 mm socket wrench and torque wrench, gradually tighten the front drive pinion companion flange nut within the adjustment range of the differential drive pinion preload.

Torque:

370 N*m (3773 kgf*cm, 273 ft.*lbf)
or less

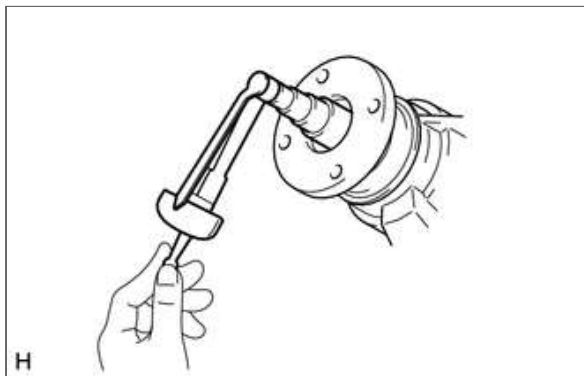
NOTICE:

Apply hypoid gear oil LSD to the drive pinion threads and front drive pinion companion flange front nut seat face.



16.INSPECT DIFFERENTIAL DRIVE PINION PRELOAD

a.



Using a torque wrench, measure the preload.

Preload (Starting Torque):

Item	Specified Condition
New bearing	1.05 to 1.64 N*m (11 to 16 kgf*cm, 10 to 14 in.*lbf)
Reused bearing	0.56 to 0.85 N*m (6 to 8 kgf*cm, 5 to 7 in.*lbf)

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

for Standard: Click here[Drivetrain>AXLE AND DIFFERENTIAL>FRONT DIFFERENTIAL CARRIER ASSEMBLY \(for Standard\)>REASSEMBLY](#)

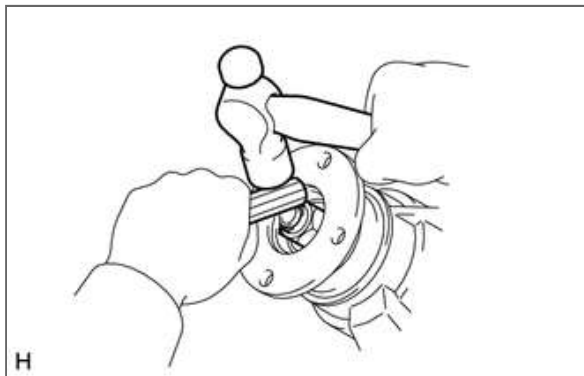
w/ Differential Lock: Click here[Drivetrain>AXLE AND DIFFERENTIAL>FRONT DIFFERENTIAL CARRIER ASSEMBLY \(w/ Differential Lock\)>REASSEMBLY](#)



17.STAKE FRONT DRIVE PINION COMPANION FLANGE NUT

41204E

a.



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



18.INSTALL FRONT PROPELLER SHAFT ASSEMBLY

37140

Click here[Drivetrain>DRIVE SHAFT / PROPELLER SHAFT>FRONT PROPELLER SHAFT ASSEMBLY>INSTALLATION](#)



19.ADD DIFFERENTIAL OIL

Click here[Drivetrain>AXLE AND DIFFERENTIAL>DIFFERENTIAL OIL>REPLACEMENT](#)