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Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AXLE AND DIFFERENTIAL: REAR DIFFERENTIAL CARRIER OIL SEAL: REPLACEMENT; 2016 - 2018 MY LX570 [09/2015 -]		

REPLACEMENT

PROCEDURE

1. DRAIN DIFFERENTIAL OIL

INFO

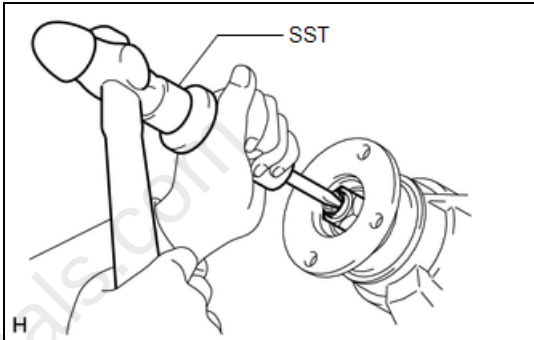
2. DISCONNECT PROPELLER SHAFT ASSEMBLY

INFO

3. REMOVE DRIVE PINION COMPANION FLANGE REAR NUT

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

SST: 09930-00010

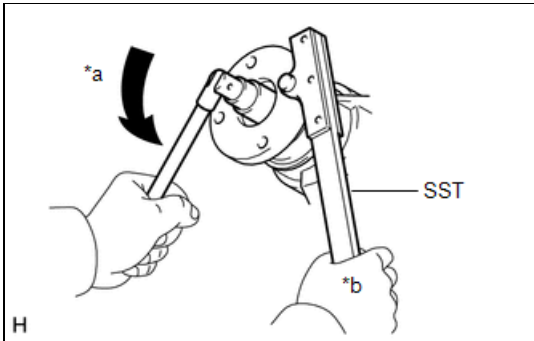


(b) Using SST to hold the companion flange, remove the nut.

SST: 09330-00021

09330-00030

Text in Illustration



4. REMOVE REAR DRIVE PINION COMPANION FLANGE REAR SUB-ASSEMBLY

(a) Using SST, remove the companion flange.

SST: 09950-30012

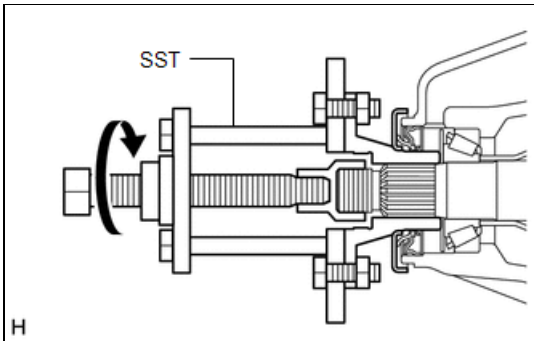
09951-03010

09953-03010

09954-03010

09955-03030

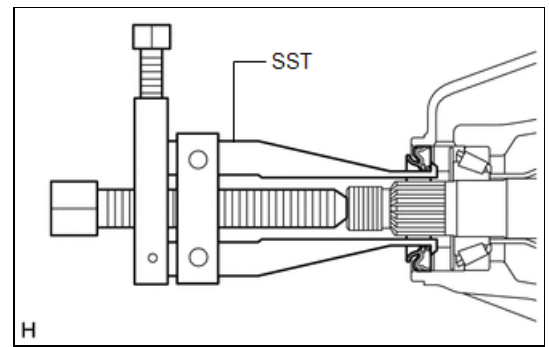
09956-03040



5. REMOVE REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST, remove the oil seal.

SST: 09308-10010

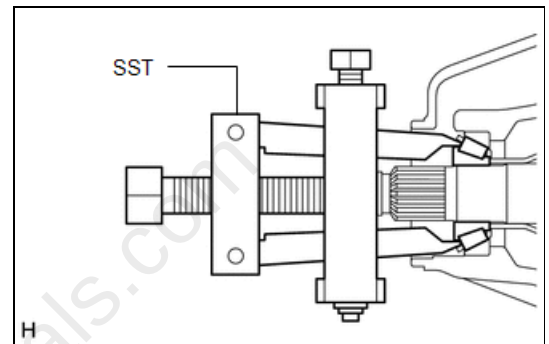


6. REMOVE REAR DIFFERENTIAL DRIVE PINION OIL SLINGER

7. REMOVE REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

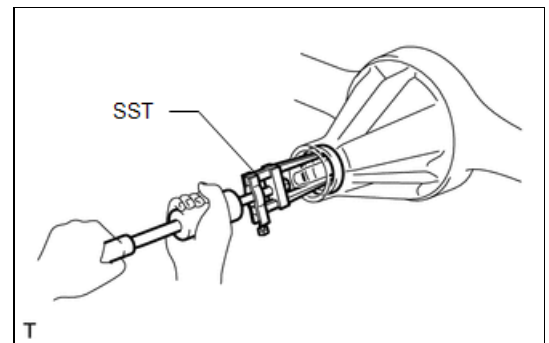
(a) Using SST, remove the front bearing (inner race) from the drive pinion.

SST: 09556-22010



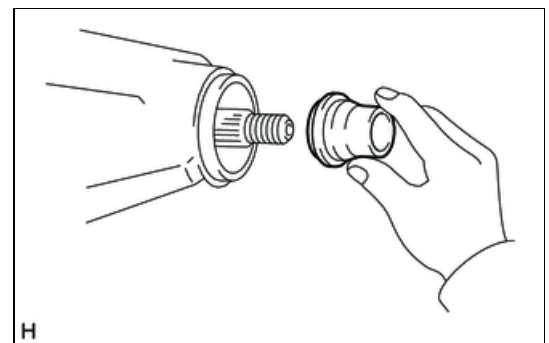
(b) Using SST, remove the front bearing (outer race) from the drive pinion.

SST: 09308-00010



8. REPLACE REAR DIFFERENTIAL DRIVE PINION BEARING SPACER

(a) Replace the bearing spacer with a new one.



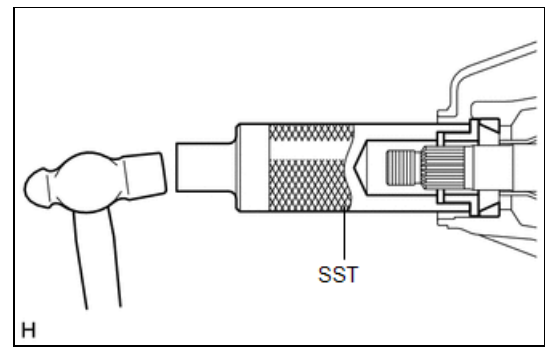
9. INSTALL REAR DRIVE PINION FRONT TAPERED ROLLER BEARING

(a) Using SST and a hammer, tap in the bearing (outer race).

SST: 09316-60011

09316-00011

09316-00021



(b) Install the bearing (inner race).

10. INSTALL REAR DIFFERENTIAL DRIVE PINION OIL SLINGER

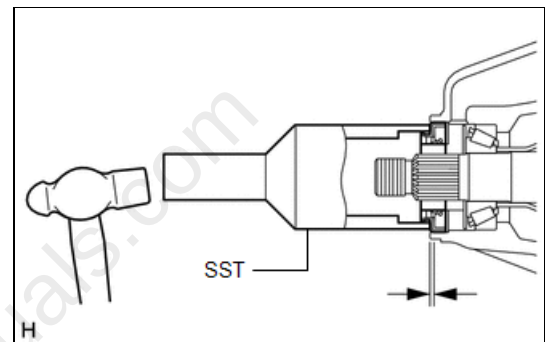
11. INSTALL REAR DIFFERENTIAL CARRIER OIL SEAL

(a) Using SST and a hammer, tap in a new oil seal.

SST: 09214-76011

Standard oil seal depth:

1.55 to 2.45 mm (0.0611 to 0.0964 in.)



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

12. INSTALL REAR DRIVE PINION COMPANION FLANGE REAR SUB-ASSEMBLY

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

SST: 09950-30012

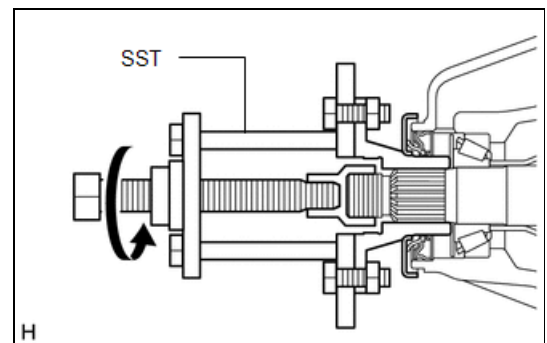
09951-03010

09953-03010

09954-03010

09955-03030

09956-03040



13. ADJUST DRIVE PINION PRELOAD

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

(b) Using SST to hold the companion flange, install the nut by tightening it until the standard preload is reached.

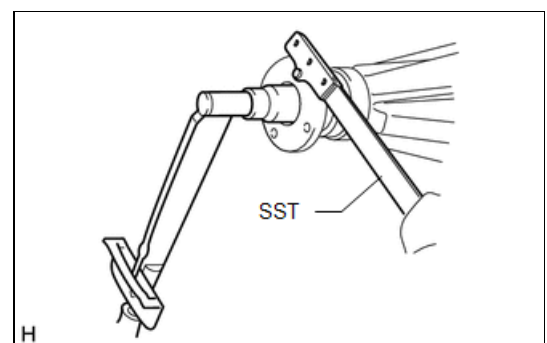
SST: 09330-00021

09330-00030

Torque:

441 N·m {4497 kgf·cm, 325 ft·lbf}

or less

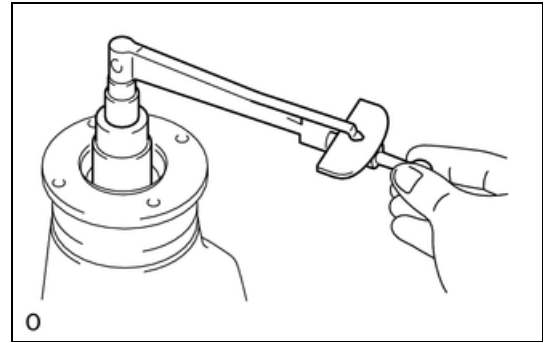


(c) Using a torque wrench, measure the preload.

Standard Preload (at Starting):

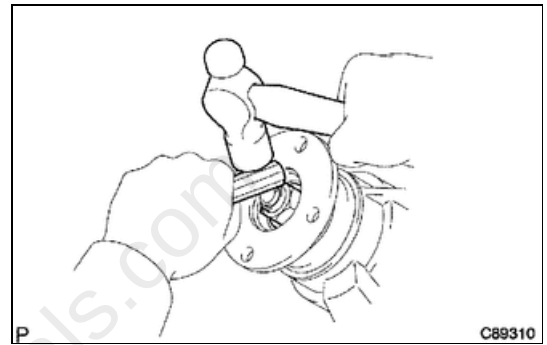
BEARING	SPECIFIED CONDITION
New	1.67 to 2.57 N*m (18 to 26 kgf*cm, 15 to 22 in.*lbf)
Reused	0.87 to 1.22 N*m (9 to 12 kgf*cm, 8 to 10 in.*lbf)

If the preload is not within the specification, adjust the preload.



14. STAKE DRIVE PINION COMPANION FLANGE REAR NUT

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



15. CONNECT PROPELLER SHAFT ASSEMBLY

INFO

16. ADD DIFFERENTIAL OIL

INFO