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Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AE80F AUTOMATIC TRANSMISSION / TRANSAXLE: OIL PUMP: REASSEMBLY; 2016 - 2018 MY LX570 [09/2015 -]		

REASSEMBLY

PROCEDURE

1. INSTALL FRONT OIL PUMP OIL SEAL

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

SST: 09350-30020

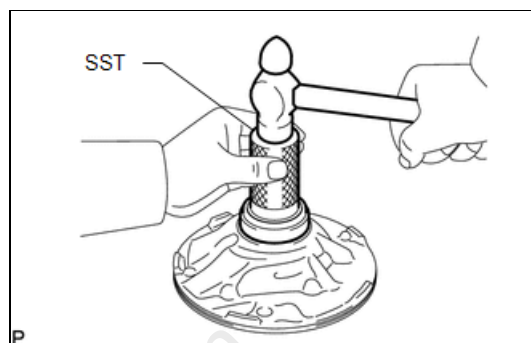
09351-32140

Standard depth:

-0.2 to 0.2 mm (-0.00787 to 0.00787 in.)

HINT:

The front oil pump oil seal end should be flush with the outer edge of the front oil pump body sub-assembly.



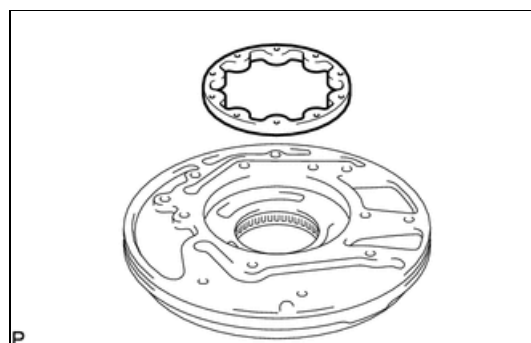
- (b) Coat the lip of the front oil pump oil seal with MP grease.

2. FIX FRONT OIL PUMP BODY SUB-ASSEMBLY

- (a) Place the front oil pump body sub-assembly on the torque converter assembly.

3. INSTALL FRONT OIL PUMP DRIVEN GEAR

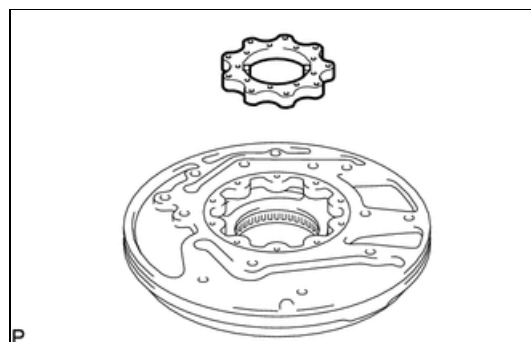
- (a) Coat the front oil pump driven gear with ATF.



- (b) Install the front oil pump driven gear to the front oil pump body sub-assembly.

4. INSTALL FRONT OIL PUMP DRIVE GEAR

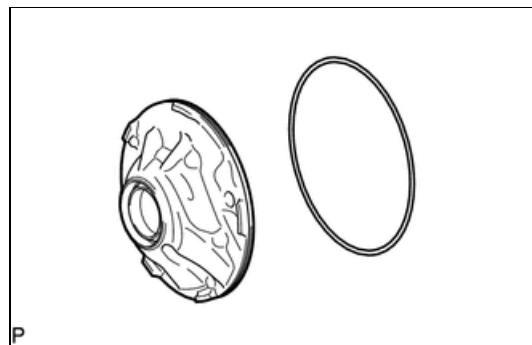
- (a) Coat the front oil pump drive gear with ATF.



- (b) Install the front oil pump drive gear to the front oil pump body sub-assembly.

5. INSTALL FRONT OIL PUMP BODY O-RING

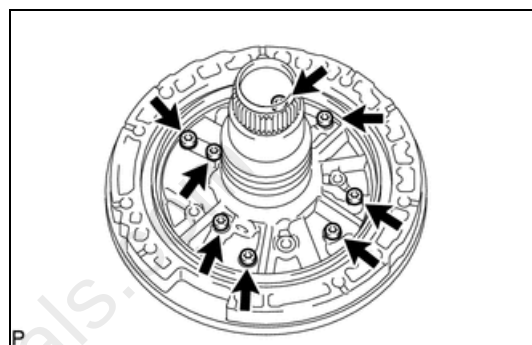
(a) Coat a new front oil pump body O-ring with ATF.



(b) Install the front oil pump body O-ring to the front oil pump body sub-assembly.

6. INSTALL STATOR SHAFT ASSEMBLY

(a) Align the stator shaft assembly with each bolt hole and install it.



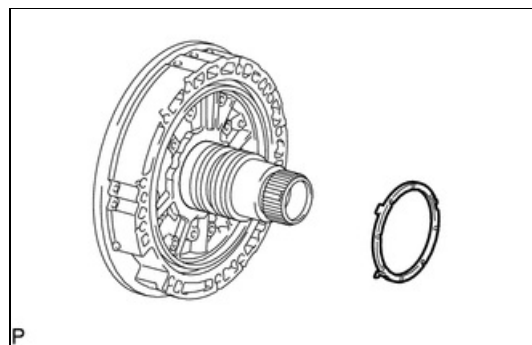
(b) Using a T30 "TORX" socket wrench, install the 8 bolts.

Torque:

12 N·m {122 kgf·cm, 9 ft·lbf}

7. INSTALL CLUTCH DRUM THRUST WASHER

(a) Align the 2 claws and install the clutch drum thrust washer.

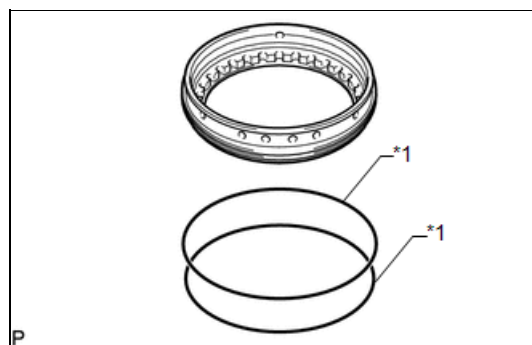


8. INSTALL NO. 1 BRAKE PISTON

(a) Coat 2 new O-rings with ATF and install them to the No. 1 brake piston.

Text in Illustration

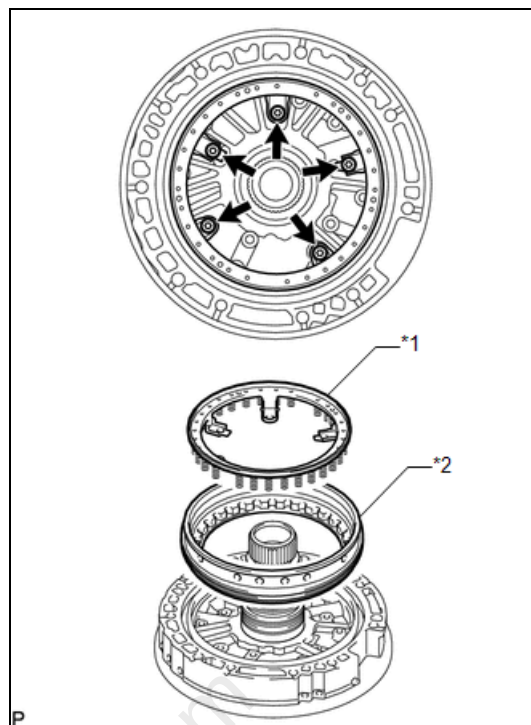
*1	O-Ring
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- (b) Install the No. 1 brake piston and No. 1 brake piston return spring sub-assembly.

Text in Illustration

*1	No. 1 Brake Piston Return Spring Sub-assembly
*2	No. 1 Brake Piston



- (c) Using a T30 "TORX" socket wrench, install the 5 bolts.

Torque:

12 N·m {122 kgf·cm, 9 ft·lbf}

9. INSPECT OIL PUMP DRIVE GEAR ROTATION

INFO

10. INSTALL CLUTCH DRUM OIL SEAL RING

- (a) Coat 4 new clutch drum oil seal rings with ATF.

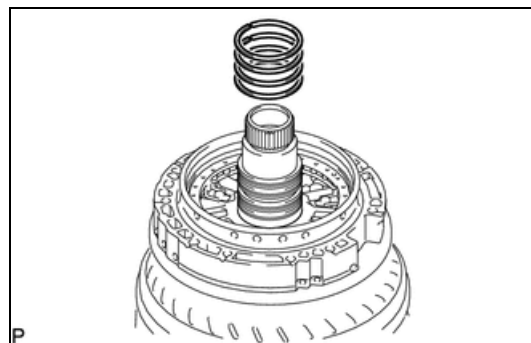
- (b) Squeeze the ends of the 4 clutch drum oil seal rings so that the gap becomes 8 mm (0.32 in.) or less, and then install them to the stator shaft groove.

NOTICE:

Do not expand the ring ends excessively.

HINT:

After installing the clutch drum oil seal rings, check that they rotate smoothly.



11. INSTALL NO. 1 CHECK VALVE SUB-ASSEMBLY

- (a) Install the No. 1 check valve sub-assembly and compression spring to the oil pump assembly.
(b) Install the check ball cover with the bolt.

Torque:

6.8 N·m {69 kgf·cm, 60 in·lbf}

12. INSTALL TRANSMISSION REVOLUTION SENSOR (NT)

INFO

13. INSTALL OIL PUMP O-RING

(a) Install a new oil pump O-ring with ATF and install it to the oil pump assembly.

