

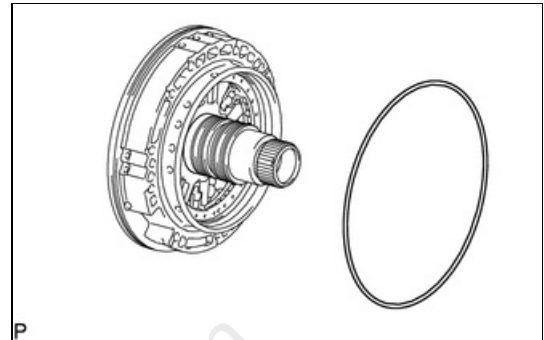
Last Modified: 12-21-2017	6.8:8.0.48	Doc ID: RM100000000T2XN
Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AE80F AUTOMATIC TRANSMISSION / TRANSAXLE: OIL PUMP: DISASSEMBLY; 2016 - 2018 MY LX570 [09/2015 -]		

DISASSEMBLY

PROCEDURE

1. REMOVE OIL PUMP O-RING

- (a) Remove the oil pump O-ring from the oil pump assembly.

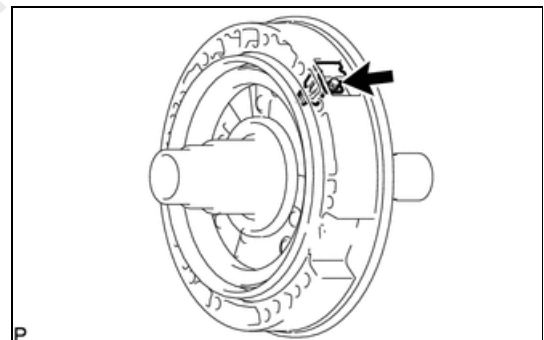


2. REMOVE TRANSMISSION REVOLUTION SENSOR (NT)

INFO

3. REMOVE NO. 1 CHECK VALVE SUB-ASSEMBLY

- (a) Remove the bolt and check ball cover.



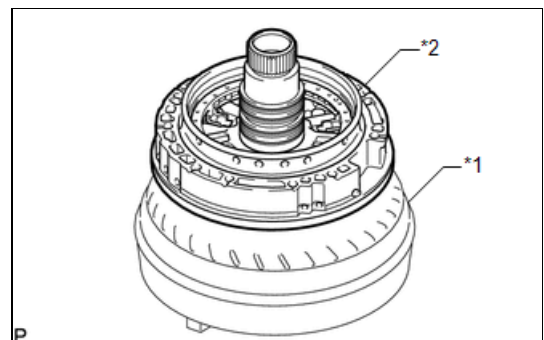
- (b) Remove the compression spring and No. 1 check valve sub-assembly from the oil pump assembly.

4. FIX OIL PUMP ASSEMBLY

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

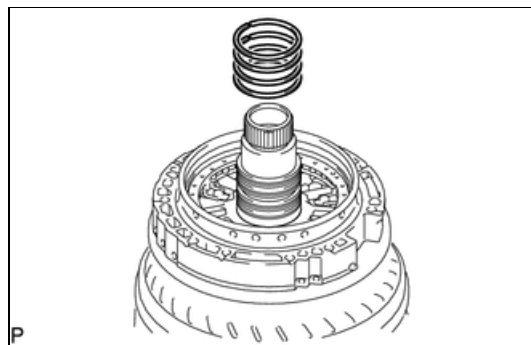
Text in Illustration

*1	Torque Converter Assembly
*2	Oil Pump Assembly



5. REMOVE CLUTCH DRUM OIL SEAL RING

(a) Remove the 4 clutch drum oil seal rings from the stator shaft assembly.

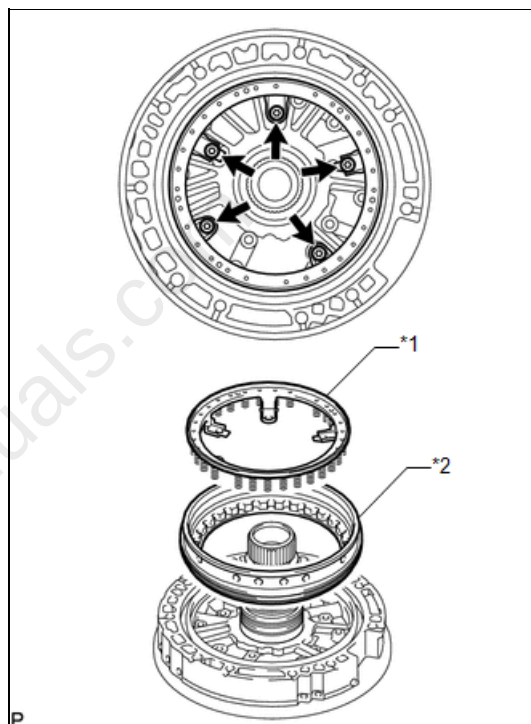


6. REMOVE NO. 1 BRAKE PISTON

(a) Using a T30 "TORX" socket wrench, remove the 5 bolts, No. 1 brake piston return spring sub-assembly and No. 1 brake piston.

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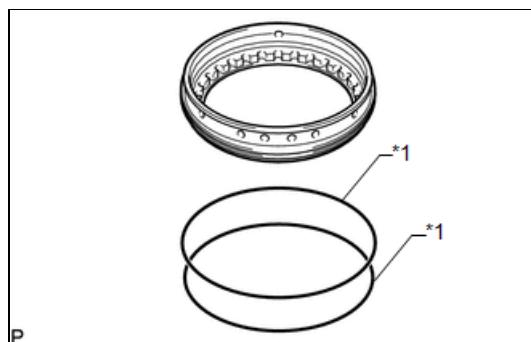
*1	No. 1 Brake Piston Return Spring Sub-assembly
*2	No. 1 Brake Piston



(b) Remove the 2 O-rings from the No. 1 brake piston.

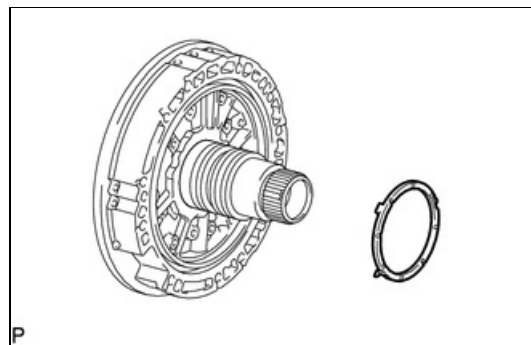
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*1	O-Ring
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7. REMOVE CLUTCH DRUM THRUST WASHER

- (a) Remove the clutch drum thrust washer from the stator shaft assembly.



8. INSPECT NO. 1 BRAKE PISTON RETURN SPRING SUB-ASSEMBLY

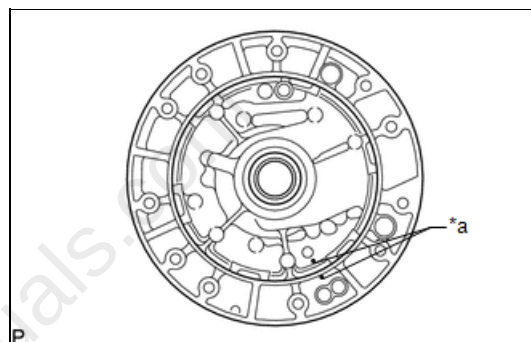
INFO

9. REMOVE STATOR SHAFT ASSEMBLY

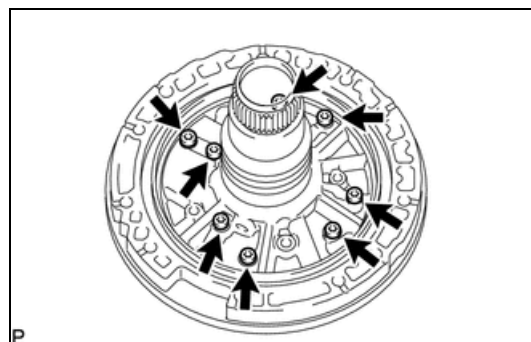
- (a) Put matchmarks on the stator shaft assembly and the front oil pump body sub-assembly.

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*a	Matchmark
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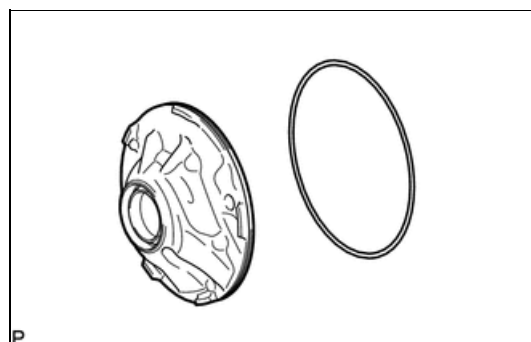
- (b) Using a T30 "TORX" socket wrench, remove the 8 bolts and stator shaft assembly from the front oil pump body sub-assembly.



10. REMOVE FRONT OIL PUMP BODY O-RING

- (a) Remove the front oil pump body sub-assembly from the torque converter assembly.

- (b) Remove the front oil pump body O-ring from the front oil pump body sub-assembly.



11. INSPECT STATOR SHAFT ASSEMBLY

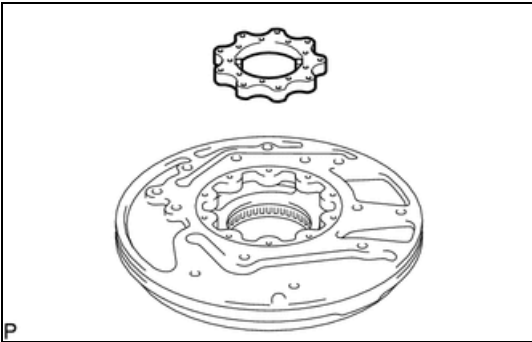
INFO

12. INSPECT CLEARANCE OF OIL PUMP ASSEMBLY

INFO

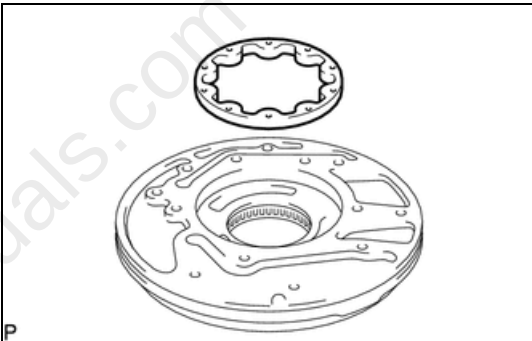
13. REMOVE FRONT OIL PUMP DRIVE GEAR

- (a) Remove the front oil pump drive gear.



14. REMOVE FRONT OIL PUMP DRIVEN GEAR

- (a) Remove the front oil pump driven gear.



15. REMOVE FRONT OIL PUMP OIL SEAL

- (a) Using a screwdriver, pry out the front oil pump oil seal.

Text in Illustration

*a	Protective Tape
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NOTICE:

Be careful not to damage the front oil pump body sub-assembly.

HINT:

Wrap the tip of the screwdriver with protective tape.

