

Last Modified: 12-21-2017	6.8:8.0.48	Doc ID: RM100000000T2WZ
Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AE80F AUTOMATIC TRANSMISSION / TRANSAXLE: VALVE BODY ASSEMBLY: REMOVAL; 2016 - 2018 MY LX570 [09/2015 -]		

REMOVAL

PROCEDURE

1. REMOVE NO. 2 ENGINE UNDER COVER

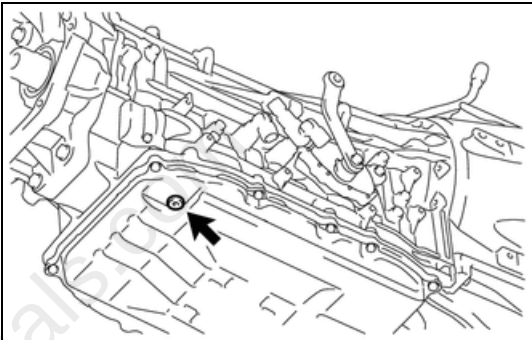
INFO

2. REMOVE OIL PAN PROTECTOR ASSEMBLY

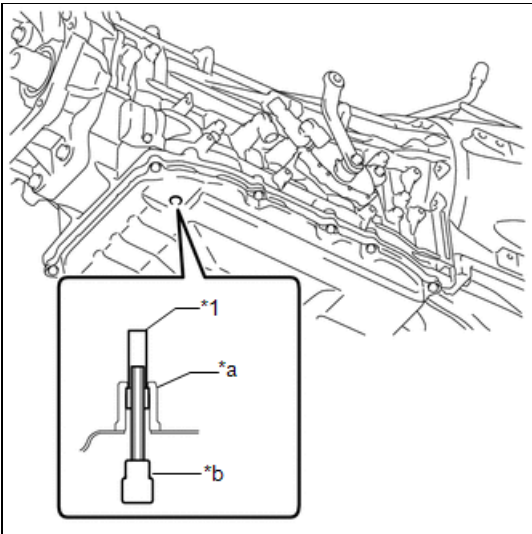
INFO

3. DRAIN AUTOMATIC TRANSMISSION FLUID

- (a) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly and drain the automatic transmission fluid.



- (b) Using a 5 mm hexagon socket wrench, remove the transmission oil pan tube from the automatic transmission assembly and drain the automatic transmission fluid.



Text in Illustration

*1	Transmission Oil Pan Tube
*a	Overflow Plug Hole
*b	5 mm Hexagon Socket Wrench

- (c) Using a 5 mm hexagon socket wrench, install the transmission oil pan tube to the automatic transmission assembly.
- Torque:**
0.8 N·m {8 kgf·cm, 7 in·lbf}
- (d) Using a 5 mm hexagon socket wrench, temporarily install the gasket and overflow plug to the automatic transmission assembly.

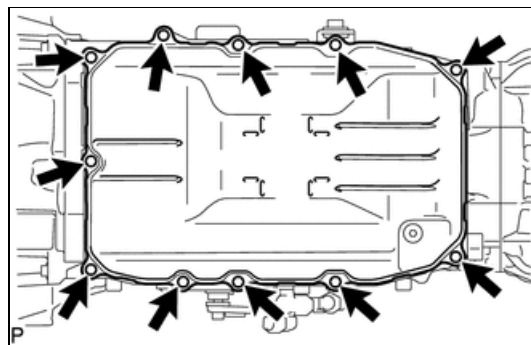
Torque:
16 N·m {163 kgf·cm, 12 ft·lbf}

4. REMOVE AUTOMATIC TRANSMISSION OIL PAN SUB-ASSEMBLY

- (a) Remove the 11 bolts, automatic transmission oil pan sub-assembly and automatic transmission oil pan gasket.

NOTICE:

Some fluid will remain in the automatic transmission oil pan sub-assembly. Remove all the pan bolts, and carefully remove the automatic transmission oil pan sub-assembly.



- (b) Remove the 4 transmission oil cleaner magnets from the automatic transmission oil pan sub-assembly.

- (c) Examine the particles in the automatic transmission oil pan sub-assembly.

- (1) Collect any steel chips with the removed transmission oil cleaner magnets. Carefully look at the foreign objects and particles in the automatic transmission oil pan sub-assembly and on the transmission oil cleaner magnets to guess the type of wear which might be found in the transmission.

Result:

Steel (magnetic): bearing, gear and clutch plate wear

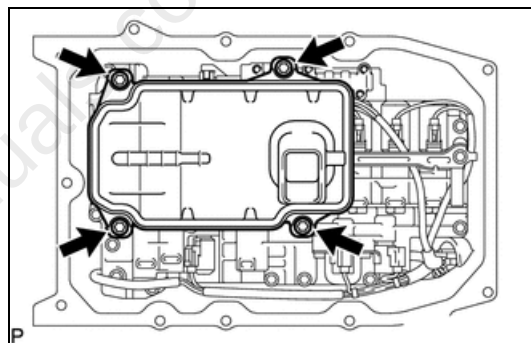
Brass (non-magnetic): bush wear

5. REMOVE VALVE BODY OIL STRAINER ASSEMBLY

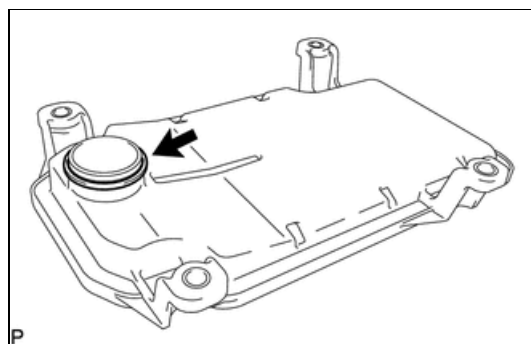
- (a) Remove the 4 bolts and valve body oil strainer assembly from the transmission valve body assembly.

NOTICE:

Be careful as some fluid will come out of the valve body oil strainer assembly.



- (b) Remove the O-ring from the valve body oil strainer assembly.

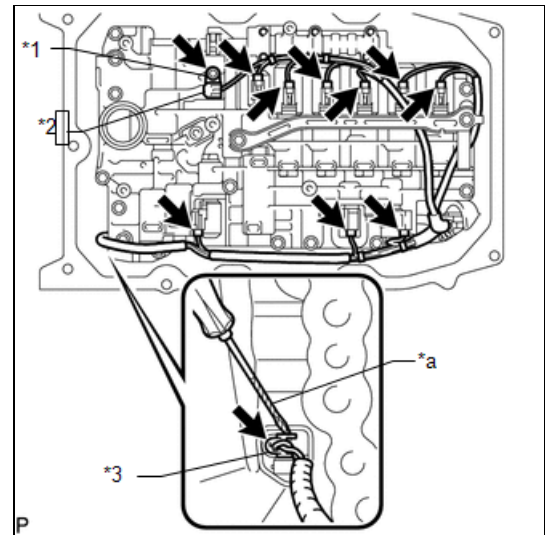


6. REMOVE TRANSMISSION VALVE BODY ASSEMBLY

- (a) Remove the bolt, lock plate and ATF temperature sensor.

Text in Illustration

*1	Lock Plate
*2	ATF Temperature Sensor
*3	Transmission Revolution Sensor (NT) Connector
*a	Protective Tape



(b) Remove the O-ring from the ATF temperature sensor.

(c) Using a screwdriver, disconnect the transmission revolution sensor (NT) connector.

HINT:

Tape the screwdriver tip before use.

(d) Disconnect the 9 connectors from the solenoid valves.

(e) Remove the 14 bolts and transmission valve body assembly.

