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Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AE80F AUTOMATIC TRANSMISSION / TRANSAXLE: VALVE BODY ASSEMBLY: INSTALLATION; 2016 - 2018 MY LX570 [09/2015 -]		

INSTALLATION

PROCEDURE

1. INSTALL TRANSMISSION VALVE BODY ASSEMBLY

- (a) Insert the manual valve lever sub-assembly into the groove on the end of the manual valve and install the transmission valve body assembly to the automatic transmission case sub-assembly with the 14 bolts.

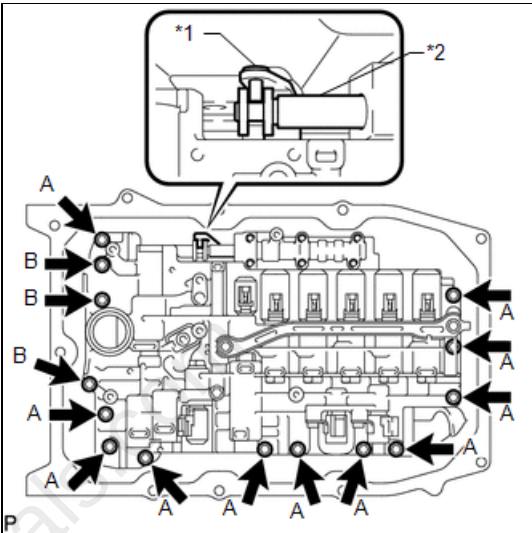
Torque:
8.0 N·m {82 kgf·cm, 71 in·lbf}

Text in Illustration

*1	Manual Valve Lever Sub-assembly
*2	Manual Valve

Bolt Length:

ITEM	SPECIFIED CONDITION
Bolt A	28 mm (1.10 in.)
Bolt B	40 mm (1.57 in.)



- (b) Mark the top of each bolt with paint.
- (c) Retighten the 14 bolts an additional 90°.
- (d) Check that the paint marks are now at a 90° angle to the top.
- (e) Connect the 9 connectors to the solenoid valves.
- (f) Connect the transmission revolution sensor (NT) connector.
- (g) Coat a new O-ring with the ATF and install it to the ATF temperature sensor.
- (h) Install the ATF temperature sensor and lock plate with the bolt.

Torque:
10 N·m {102 kgf·cm, 7 ft·lbf}

2. INSTALL VALVE BODY OIL STRAINER ASSEMBLY

- (a) Coat a new O-ring with ATF and install it to the valve body oil strainer assembly.

NOTICE:
 Ensure that the O-ring is not twisted or pinched.

- (b) Install the valve body oil strainer assembly to the transmission valve body assembly with the 4 bolts.

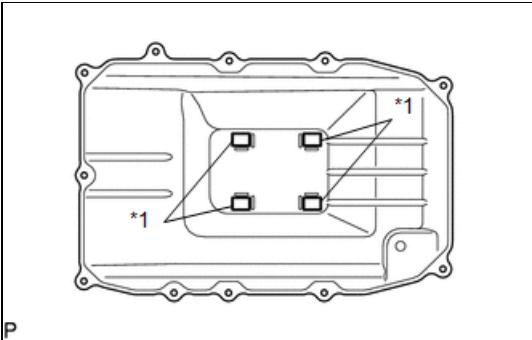
Torque:
10 N·m {102 kgf·cm, 7 ft·lbf}

3. INSTALL AUTOMATIC TRANSMISSION OIL PAN SUB-ASSEMBLY

- (a) Install the 4 transmission oil cleaner magnets to the automatic transmission oil pan sub-assembly.

Text in Illustration

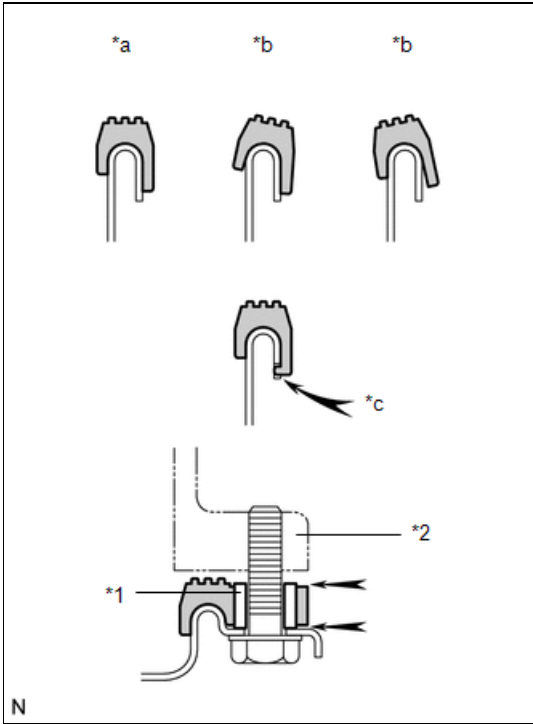
*1	Transmission Oil Cleaner Magnet
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(b) Install a new automatic transmission oil pan gasket and the automatic transmission oil pan sub-assembly to the automatic transmission case sub-assembly with the 11 bolts.

Torque:
7.5 N·m {76 kgf·cm, 66 in·lbf}

NOTICE:



- Make sure that there is no oil or foreign matter on the gasket seal surface and automatic transmission oil pan sub-assembly contact surface.
- Install the gasket so that there is no slack in the gasket, and that the entire circumference of the seal surface is level.
- Make sure that the 11 gasket drop prevention protrusions are set on the automatic transmission oil pan sub-assembly.
- When tightening the automatic transmission oil pan sub-assembly, make sure that the gasket is not pinched between the sleeve of the gasket tightening area and the seal surface of the transmission.

Text in Illustration

*1	Sleeve
*2	Automatic Transmission Case Sub-assembly
*a	Correct
*b	Incorrect
*c	Protrusion

4. INSTALL OIL PAN PROTECTOR ASSEMBLY

INFO

5. INSTALL NO. 2 ENGINE UNDER COVER

INFO

6. ADD AUTOMATIC TRANSMISSION FLUID

(See page **INFO**)

7. RESET MEMORY

(See page **INFO**)