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

REMOVAL

PROCEDURE

1. PRECAUTION

NOTICE:

After turning the engine switch off, waiting time may be required before disconnecting the cable from the battery terminal. Therefore, make sure to read the disconnecting the cable from the battery terminal notice before proceeding with work (See page [INFO](#)).

2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected (See page [INFO](#)).

3. REMOVE FRONT PROPELLER SHAFT ASSEMBLY

(See page [INFO](#))

4. REMOVE PROPELLER SHAFT ASSEMBLY

(See page [INFO](#))

5. REMOVE EXHAUST PIPE

(See page [INFO](#))

6. REMOVE STARTER ASSEMBLY

(See page [INFO](#))

7. REMOVE UPPER RADIATOR SUPPORT SEAL

[INFO](#)

8. REMOVE FRONT FENDER SPLASH SHIELD SUB-ASSEMBLY LH

[INFO](#)

9. REMOVE FRONT FENDER SPLASH SHIELD SUB-ASSEMBLY RH

[INFO](#)

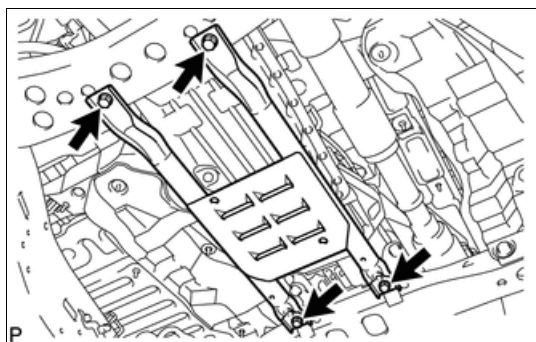
10. REMOVE NO. 1 ENGINE UNDER COVER SUB-ASSEMBLY

[INFO](#)

11. REMOVE NO. 2 ENGINE UNDER COVER

[INFO](#)

12. REMOVE OIL PAN PROTECTOR ASSEMBLY



(a) Remove the 4 bolts and oil pan protector assembly.

13. REMOVE TRANSMISSION CASE COVER (w/ Cover)

[INFO](#)

14. DRAIN AUTOMATIC TRANSMISSION FLUID

INFO

15. DRAIN TRANSFER OIL

INFO

16. REMOVE FRONT FENDER APRON TRIM PACKING A

INFO

17. REMOVE FRONT FENDER APRON TRIM PACKING C

INFO

18. DRAIN ENGINE COOLANT

INFO

19. REMOVE NO. 3 FRONT FLOOR HEAT INSULATOR

INFO

20. DISCONNECT FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSEMBLY



- (a) Remove the clip and pin and disconnect the floor shift gear shifting rod sub-assembly from the transmission control shaft lever.

21. REMOVE NO. 1 MANIFOLD STAY

INFO

22. REMOVE NO. 2 MANIFOLD STAY

INFO

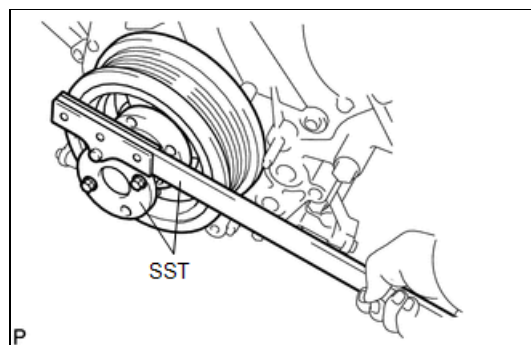
23. REMOVE DRIVE PLATE AND TORQUE CONVERTER SETTING BOLT

- (a) Using SST, hold the crankshaft.

SST: 09213-70011

09213-70020

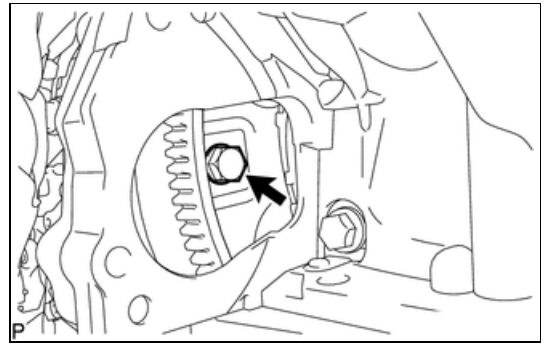
SST: 09330-00021



- (b) Remove the 6 drive plate and torque converter setting bolts.

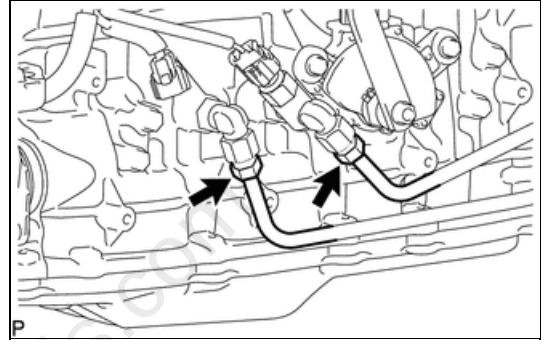
HINT:

Turn the crankshaft to remove the 6 drive plate and torque converter setting bolts.

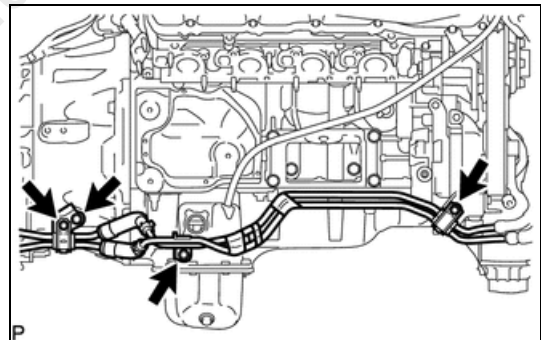


24. DISCONNECT OIL COOLER TUBE

- (a) Using a 17 mm union nut wrench, disconnect the 2 oil cooler tubes from the oil cooler tube union.



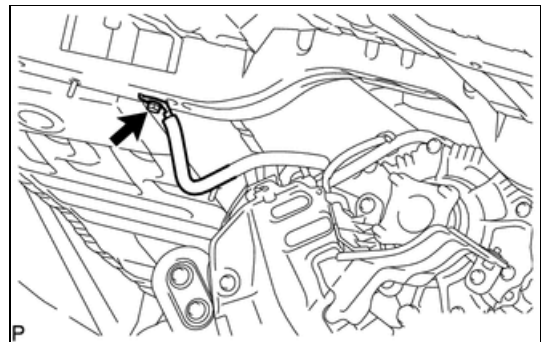
- (b) Remove the 3 bolts and disconnect the oil cooler tube.



- (c) Remove the bolt and transmission oil cooler tube clamp sub-assembly.

25. DISCONNECT GROUND CABLE

- (a) Remove the bolt and disconnect the ground cable.

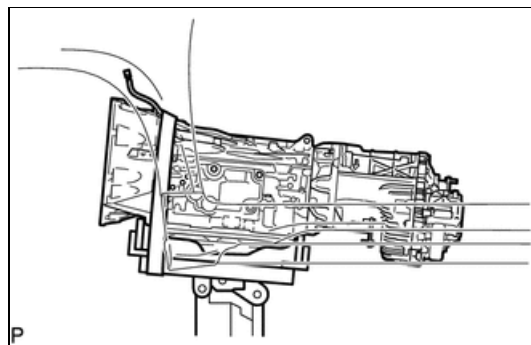


26. SUPPORT AUTOMATIC TRANSMISSION ASSEMBLY

- (a) Support the transmission with a transmission jack. Lift the transmission slightly from the No. 3 frame crossmember sub-assembly.

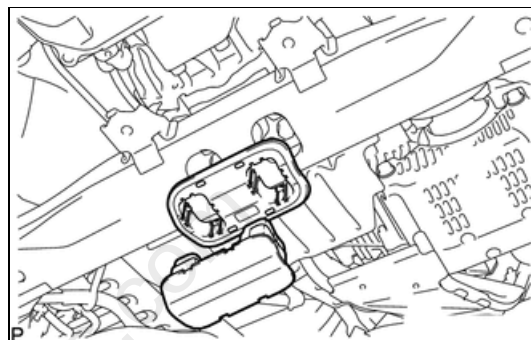
NOTICE:

Support the oil pan bolts to prevent damage to the oil pan gasket.

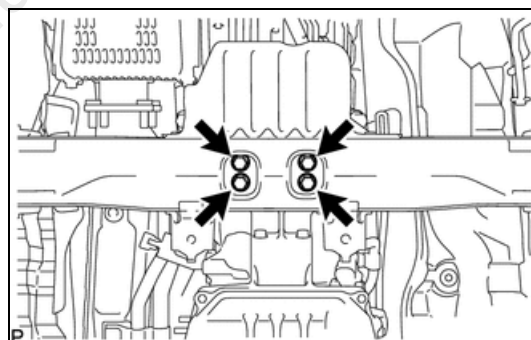


27. REMOVE NO. 2 FRAME CROSSMEMBER SUB-ASSEMBLY

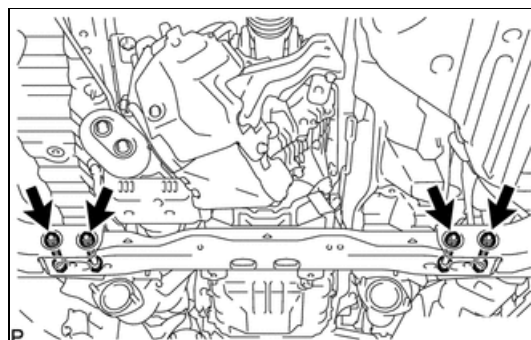
- (a) Remove the engine mounting hole cover.



- (b) Remove the 4 bolts of the rear No. 1 engine mounting insulator.

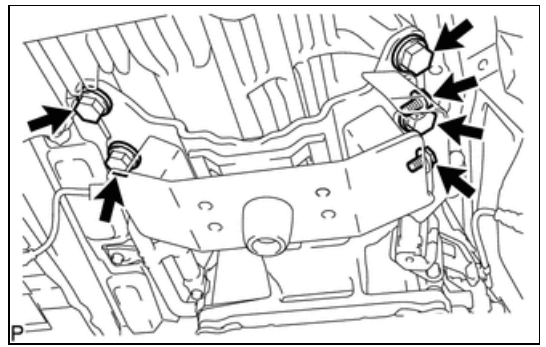


- (c) Remove the 4 nuts, 4 bolts and No. 2 frame crossmember sub-assembly.



28. REMOVE REAR NO. 1 ENGINE MOUNTING INSULATOR

(a) Remove the 2 bolts and engine mounting heat insulator.



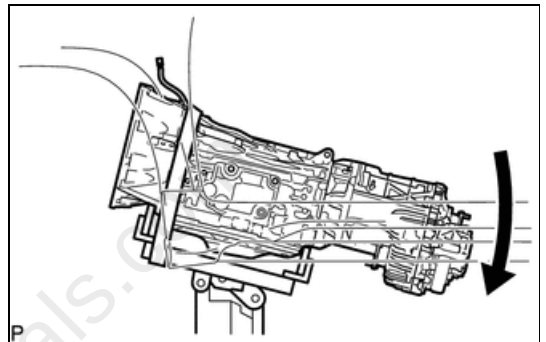
(b) Remove the 4 bolts and rear No. 1 engine mounting insulator from the transmission.

29. DISCONNECT WIRE HARNESS AND CONNECTOR

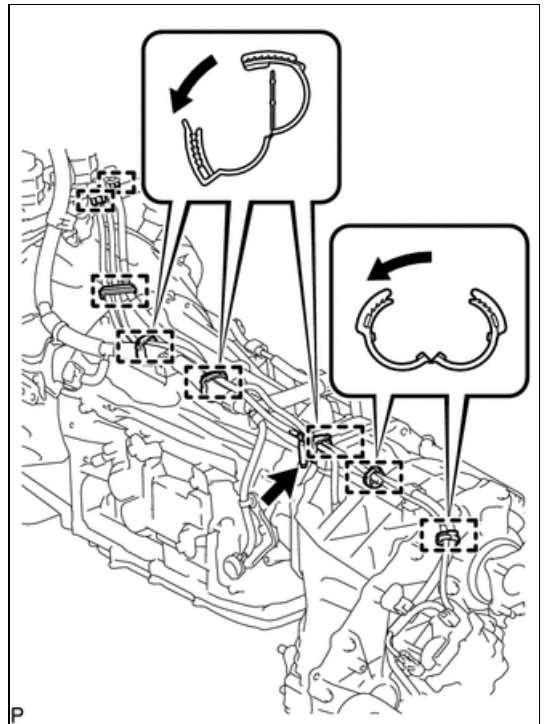
(a) Tilt the transmission downward.

NOTICE:

- Support the oil pan bolts to prevent damage to the oil pan gasket.
- Make sure the cooling fan does not contact the fan shroud.

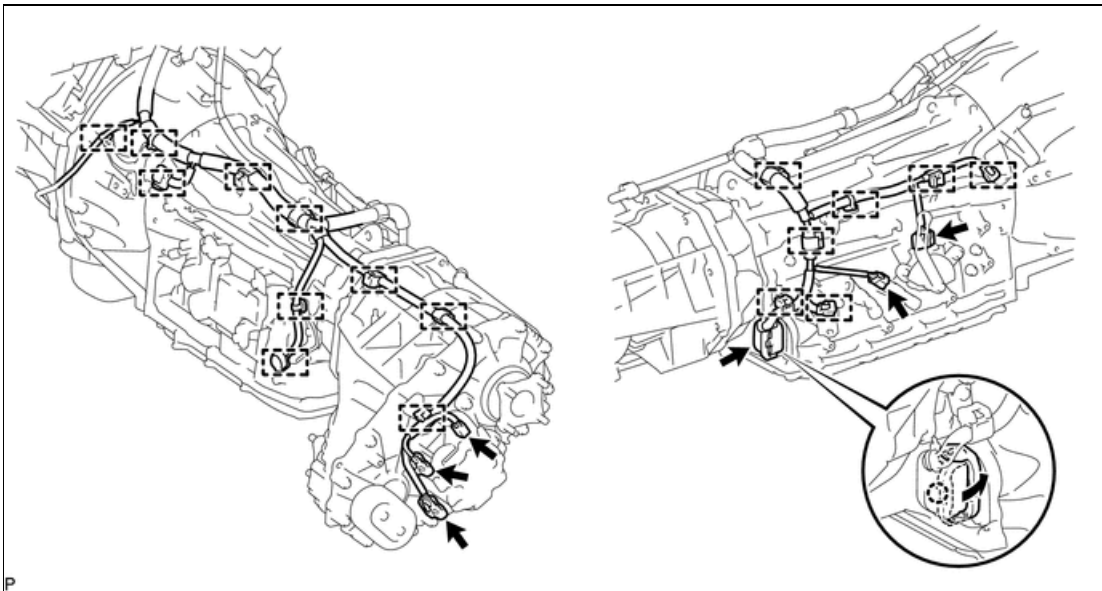


(b) Disconnect the transfer breather hose sub-assembly from the automatic transmission assembly.



(c) Detach the 6 clamps, 2 hose plugs and disconnect the transfer breather hose sub-assembly.

(d) Disconnect the park/neutral position switch connector, 2 transmission wire connectors and 3 transfer control connectors.



HINT:

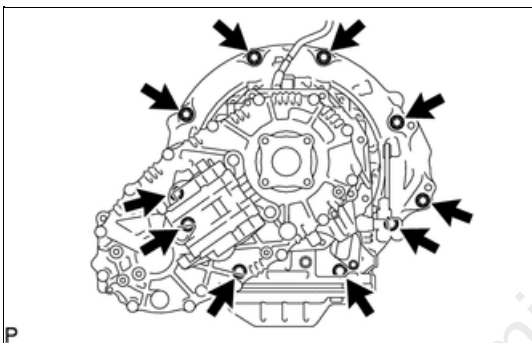
Detach the claw, pull the lever, and then disconnect the transmission wire connector.

(e) Detach the 17 clamps and disconnect the wire harness.

30. REMOVE TRANSFER ASSEMBLY

INFO

31. REMOVE AUTOMATIC TRANSMISSION ASSEMBLY



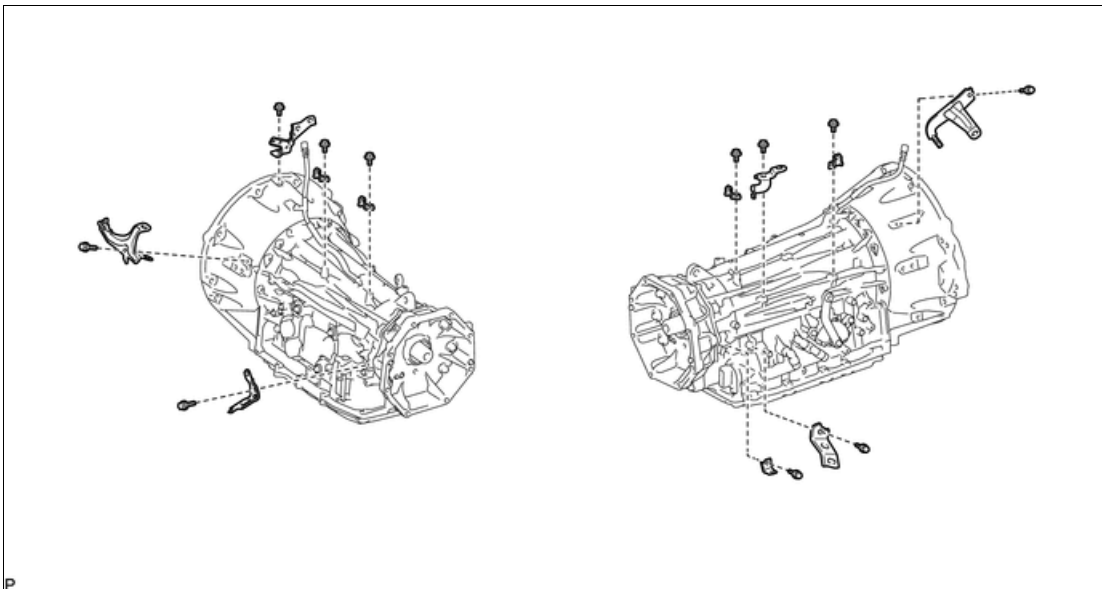
(a) Remove the 10 bolts and automatic transmission assembly.

NOTICE:

Do not use excess force to pry off the automatic transmission assembly.

32. REMOVE WIRE HARNESS CLAMP BRACKET

(a) Remove the 11 bolts and 11 wire harness clamp brackets.

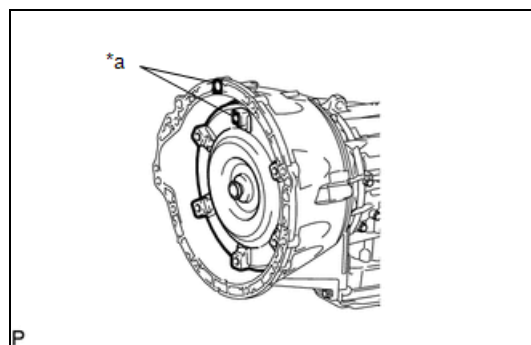


33. REMOVE TORQUE CONVERTER ASSEMBLY

- (a) Put matchmarks on the automatic transmission case sub-assembly and the torque converter assembly.

Text in Illustration

*a	Matchmarks
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- (b) Remove the torque converter assembly from the automatic transmission assembly.

NOTICE:

Remove the torque converter assembly from the input shaft horizontally.

34. INSPECT TORQUE CONVERTER ASSEMBLY

INFO

transmissionmanuals.com