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

INSPECTION

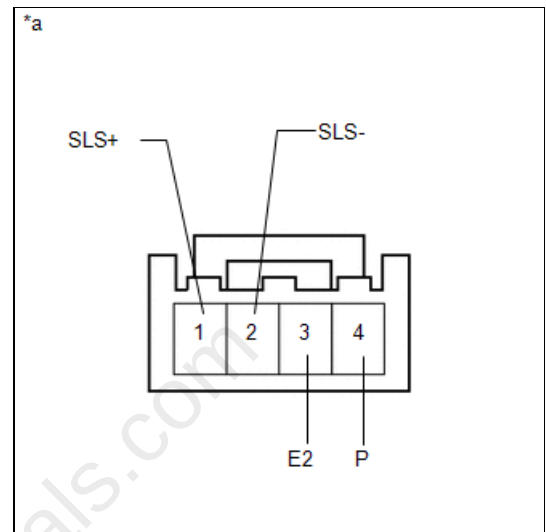
PROCEDURE

1. INSPECT SHIFT LOCK SOLENOID

(a) Disconnect the shift lock solenoid connector from the shift lock control ECU.

Text in Illustration

*a	Component with harness connected (Shift Lock Solenoid)
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(b) Measure the resistance according to the values in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
1 (SLS+) - 2 (SLS-)	Always	101 to 123 Ω
3 (E2) - 4 (P)	Shift lever in P	10 k Ω or higher
	Shift lever not in P	Below 1 Ω

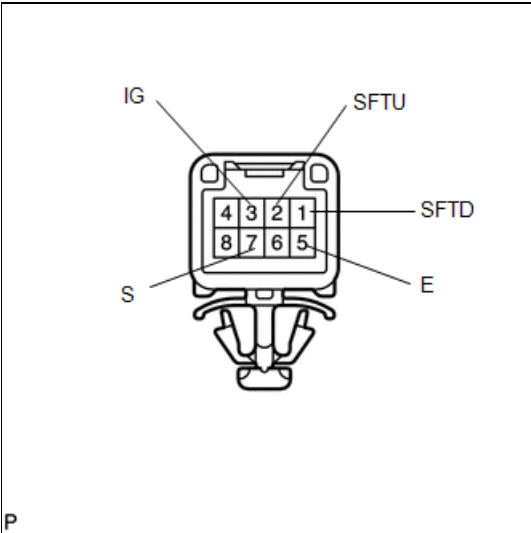
(c) Apply 12 V battery voltage to the shift lock solenoid and check that the valve moves and makes an operating noise.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
- Battery positive (+) → Terminal 1 (SLS+) - Battery negative (-) → Terminal 2 (SLS-)	Solenoid moves and makes an operating noise

If the result is not as specified, replace the shift lever assembly.

2. INSPECT TRANSMISSION CONTROL SWITCH



(a) Measure the resistance according to the value(s) in the table below.
Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
3 (IG) - 7 (S)	Shift lever in S, "+" or "-"	Below 1 Ω
2 (SFTU) - 5 (E)	Shift lever held in "+" (Up-shift)	
1 (SFTD) - 5 (E)	Shift lever held in "-" (Down-shift)	
3 (IG) - 7 (S)	Shift lever not in S, "+" or "-"	10 k Ω or higher
2 (SFTU) - 5 (E)	Shift lever not held in "+" (Up-shift)	
1 (SFTD) - 5 (E)	Shift lever not held in "-" (Down-shift)	

Text in Illustration

*a	Component without harness connected (Transmission Control Switch)
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If the result is not as specified, replace the transmission floor shift assembly.