	Id01021119503					
DTC P07BE: 00	Transmission indeterminate failure (failed to neutral)					
DETECTION CONDITION	Correlation malfunction between neutral switches No.1 and No.2.  Diagnostic support note  This is a continuous monitor (other).  The check engine light does not illuminate.  FREEZE FRAME DATA (Mode 2)/Snapshot data is not available.  The DTC is stored in the PCM memory.					
FAIL-SAFE FUNCTION	_					
POSSIBLE CAUSE	Neutral switch No.2 connector or terminals malfunction     Neutral switch No.2 malfunction     Open circuit in wiring harness between neutral switch No.2 terminal C and body ground     Short to ground in wiring harness between neutral switch No.2 terminal B and PCM terminal 1G     PCM connector or terminals malfunction     Open circuit in wiring harness between neutral switch No.2 terminal B and PCM terminal 1G     PCM malfunction					
	NEUTRAL SWITCH NO.2  S  NEUTRAL SWITCH NO.2 WIRING HARNESS-SIDE CONNECTOR  PCM  PCM  PCM  PCM  PCM  PCM  PCM  PC					
1EF 1EI 1EG	1EA   DW  1DS  1DO  1DK   1DG   1DA  1CW  1CS  1CO  1CK  1CG  1CC  1BY   1EB   1DX  1DT  1DP  1DL   1DH   1DE  1DC  1CY  1CU  1CO  1CM  1C  1CE  1CA  1BW   1ED  1DZ  1DV  1DR  1DN  1DN  1DN  1DD  1CZ  1CV  1CR  1CN  1CL  1CF  1CB  1BX   1BV  1BQ  1BL  1BG  1BB  1AV  1AC  1AL  1AB  1W  1R  1M  1H  1D  1AG  1AB  1AV  1AC  1X  1S  1N  11  1AB  1W  1R  1M  1H  1D  1AG  1AB  1AV  1AC  1X  1S  1N  11  1AB  1AV  1AC  1X  1AC					

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Diagin	ostic Procedure		
STEP	INSPECTION		ACTION
1	VERIFY RELATED SERVICE INFORMATION	Yes	Perform repair or diagnosis according to the available
	AVAILABILITY		Service Information.
	<ul> <li>Verify related Service Information availability.</li> </ul>		<ul> <li>If the vehicle is not repaired, go to the next step.</li> </ul>
	<ul> <li>Is any related Service Information available?</li> </ul>	No	Go to the next step.
2	VERIFY RELATED PENDING CODE AND/OR	Yes	Go to the applicable PENDING CODE or DTC inspection.
	DTC		(See DTC P0850:00 [SKYACTIV-G 2.0].)
	• Switch the ignition to off, then to ON (engine off).	No	Go to the next step.
	Perform the Pending Trouble Code Access		
	Procedure and DTC Reading Procedure.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0].)		
	<ul> <li>Is the PENDING CODE/DTC P0850:00 also</li> </ul>		
	present?		

STEP	INSPECTION		ACTION
3	INSPECT NEUTRAL SWITCH NO.2	Yes	Repair or replace the connector and/or terminals, then go to
3	CONNECTOR CONDITION	163	Step 9.
	Switch the ignition to off.	No	Go to the next step.
	Disconnect the neutral switch No.2 connector.	INO	Go to the flext step.
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).  • Is there any malfunction?		
4	INSPECT NEUTRAL SWITCH NO.2	Vas	Deplete the neutral quitab No 2, then so to Ctan 0
4		Yes	Replace the neutral switch No.2, then go to Step 9.
	• Inspect the neutral switch No.2.		(See NEUTRAL SWITCH REMOVAL/INSTALLATION
	(See NEUTRAL SWITCH INSPECTION	NI-	[C66M-R, C66MX-R].)
	[SKYACTIV-G 2.0].)	No	Go to the next step.
	• Is there any malfunction?	\\	On the the provide to a
5	INSPECT NEUTRAL SWITCH NO.2 GROUND	Yes	Go to the next step.
	CIRCUIT FOR OPEN CIRCUIT	No	Repair or replace the wiring harness for a possible open
	Verify that the neutral switch No.2 connector is		circuit, then go to Step 9.
	disconnected.		
	• Inspect for continuity between neutral switch No.		
	2 terminal C (wiring harness-side) and body		
	ground.		
	• Is there continuity?		March of the control
6	INSPECT NEUTRAL SWITCH NO.2 SIGNAL	Yes	If the short to ground circuit could be detected in the wiring
	CIRCUIT FOR SHORT TO GROUND		harness:
	Verify that the neutral switch No.2 connector is		• Repair or replace the wiring harness for a possible short to
	disconnected.		ground.
	• Inspect for continuity between neutral switch No.		If the short to ground circuit could not be detected in the
	2 terminal B (wiring harness-side) and body		wiring harness:
	ground.		Replace the PCM (short to ground in the PCM internal
	Is there continuity?		circuit).
			(See PCM REMOVAL/INSTALLATION [SKYACTIV-G
			2.0].)
		L	Go to Step 9.
7	INSPECT PCM CONNECTOR CONDITION	No	Go to the next step.
'	Disconnect the PCM connector.	Yes	Repair or replace the connector and/or terminals, then go to Step 9.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).	INO	Go to the flext step.
	• Is there any malfunction?		
8	INSPECT NEUTRAL SWITCH NO.2 SIGNAL	Voc	Go to the next step.
0		Yes	'
	Verify that the neutral switch No.2 and PCM	No	Repair or replace the wiring harness for a possible open
	connectors are disconnected.		circuit, then go to the next step.
	Inspect for continuity between neutral switch No.     terminal B (wiring harness-side) and PCM		
	terminal 1G (wiring harness-side).		
9	• Is there continuity?	Voc	Depart the inspection from Ctan 1
9	VERIFY DTC TROUBLESHOOTING COMPLETED	Yes	Repeat the inspection from Step 1.  • If the malfunction recurs, replace the PCM.
	Make sure to reconnect all disconnected		(See PCM REMOVAL/INSTALLATION [SKYACTIV-G
			2.0].)
	connectors.		
	Clear the DTC from the PCM memory using the M-MDS.	No	Go to the next step.
		No	Go to the next step.
1			
	(See AFTER REPAIR PROCEDURE	1	
	[SKYACTIV-G 2.0].)		
	[SKYACTIV-G 2.0].) • Perform the KOEO or KOER self test.		
	[SKYACTIV-G 2.0].)  • Perform the KOEO or KOER self test.  (See KOEO/KOER SELF TEST [SKYACTIV-G		
	[SKYACTIV-G 2.0].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].)		
	[SKYACTIV-G 2.0].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].)  • Is the same DTC present?		
10	iskyactiv-g 2.0].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].) • Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
10	[SKYACTIV-G 2.0].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].)  • Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE  • Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-G 2.0].)
10	<ul> <li>[SKYACTIV-G 2.0].)</li> <li>Perform the KOEO or KOER self test.         (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].)</li> <li>Is the same DTC present?</li> <li>VERIFY AFTER REPAIR PROCEDURE</li> <li>Perform the "AFTER REPAIR PROCEDURE".         (See AFTER REPAIR PROCEDURE</li> </ul>	Yes No	
10	[SKYACTIV-G 2.0].)  • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].)  • Is the same DTC present?  VERIFY AFTER REPAIR PROCEDURE  • Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-G 2.0].)