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. DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	Not applicable
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 1EJ PCM connector or terminals malfunction Open circuit in wiring harness between neutral switch No.2 terminal B and PCM terminal 1EJ PCM malfunction
	NEUTRAL SWITCH NO.2 S NEUTRAL SWITCH NO.2 WIRING HARNESS-SIDE CONNECTOR
	C A D B
	PCM WIRING HARNESS-SIDE CONNECTOR
	1EA DW 1DS 1DO 1DK 1DG

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	1EJ	1EH 1ED	1DZ	1DV	1DR	1DN	1DJ	1DF	1DD	1CZ	1CV	1CR	1CN	1CJ	1CF	1CB	1BX	1BV	1BQ	1BL	1BG	1BB	1AW	1AR	1AM		1AH	1AC	1X	1S	1N	11	
	ı ⊢	1EG1EC	_	-		-	-	1DE	-	-			_	_	_	_	\vdash	1BU	_		$\overline{}$			-		l 1	1AG	$\overline{}$					
																		1BT	1BO	1BJ	1BE	1AZ	1AU	1AP	1AK		1AF	1AA	1V	1Q	1L	1G	1C
		1EF 1EB							1DB	1CX	1CT	1CP	1CL	1CH	1CD	1BZ	A	1BS	1BN	1BI	1BD	1AY	1AT	1AO	1AJ		1AE	1Z	1U	1P	1K	1F	1B
		TEETEA	אטוו	าบร	סטון	אטון	TDG		IDA	ICVV	105	100	ICK	ICG	100	IBY	Ŋ	1BR	1BM	1BH	1BC	1AX	1AS	1AN	1AI	Ľ	1AD	1 Y	111	10	1J	1E	1A



Diagnostic Procedure

STEP	INSPECTION		ACTION
1	VERIFY RELATED SERVICE INFORMATION	Yes	Perform repair or diagnosis according to the available
	AVAILABILITY		Service Information.
	Verify related Service Information availability.		If the vehicle is not repaired, go to the next step.
	Is any related Service Information available?	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-D 2.2].)
	Switch the ignition off, then 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-D 2.2].)		
	Is the PENDING CODE/DTC P0850:00 also		
	present?		

STEP	INSPECTION		ACTION
3	INSPECT NEUTRAL SWITCH NO.2	Yes	Repair or replace the connector and/or terminals, then go to
	CONNECTOR CONDITION		Step 9.
	Switch the ignition off.	No	Go to the next step.
	Disconnect the neutral switch No.2 connector.		'
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	INSPECT NEUTRAL SWITCH NO.2	Yes	Replace the back-up light switch, then go to Step 9.
	Inspect the neutral switch No.2.		(See BACK-UP LIGHT SWITCH REMOVAL/
	(See NEUTRAL SWITCH INSPECTION		INSTALLATION [D66M-R, D66MX-R].)
	[SKYACTIV-D 2.2].)	No	Go to the next step.
	Is there any malfunction?		·
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?		
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-D
			2.2].)
			Go to Step 9.
		No	Go to the next step.
7	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.		Step 9.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).		
	Is there any malfunction?		
8	INSPECT NEUTRAL SWITCH NO.2 SIGNAL	Yes	I .
	CIRCUIT FOR OPEN CIRCUIT	No	' ' '
	Verify that the neutral switch No.2 and PCM		circuit, then go to the next step.
	connectors are disconnected.		
	• Inspect for continuity between neutral switch No.		
	2 terminal B (wiring harness-side) and PCM		
	terminal 1EJ (wiring harness-side).		
1	1. 0		1
	• Is there continuity?		D 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
9	VERIFY DTC TROUBLESHOOTING	Yes	' '
9	VERIFY DTC TROUBLESHOOTING COMPLETED	Yes	If the malfunction recurs, replace the PCM.
9	VERIFY DTC TROUBLESHOOTING COMPLETED Always reconnect all disconnected connectors.	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D]
9	VERIFY DTC TROUBLESHOOTING COMPLETED Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
9	VERIFY DTC TROUBLESHOOTING COMPLETED Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present?	No	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step. Go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present? VERIFY AFTER REPAIR PROCEDURE		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step. Go to the next step. Go to the applicable DTC inspection.
	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present? VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE".	No	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step. Go to the next step. Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present? VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE	No	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step. Go to the next step. Go to the applicable DTC inspection.
	VERIFY DTC TROUBLESHOOTING COMPLETED • Always reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].) • Is the same DTC present? VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE".	No	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step. Go to the next step. Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)