	id0102h1706700			
DTC P0850:00	Neutral switch No.1 input circuit problem			
DETECTION CONDITION				
FAIL-SAFE FUNCTION	_			
POSSIBLE CAUSE	Neutral switch No.1 connector or terminals malfunction Neutral switch No.1 malfunction Open circuit in wiring harness between neutral switch No.1 terminal B and body ground Short to ground in wiring harness between neutral switch No.1 terminal A and PCM terminal 1K			
PCM NEUTRAL SWITCH NO.1 S NEUTRAL SWITCH NO.1 WIRING HARNESS-SIDE CONNECTOR PCM WIRING HARNESS-SIDE CONNECTOR THEE TEAHDWIDS TOO TOO TOO TOO TOO TOO TOO TOO TOO TO				
1EI 1EG	180 181 180 181 182			

Diagnostic Procedure

STĚP	INSPECTION		ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/	Yes	Go to the next step.
	SNAPSHOT DATA HAS BEEN RECORDED	No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data
	Has the FREEZE FRAME DATA (Mode 2)/		on the repair order, then go to the next step.
	snapshot data been recorded?		
2	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.

CTED	INSPECTION		ACTION
STEP 3	INSPECTION INSPECT NEUTRAL SWITCH NO.1	Yes	ACTION Repair or replace the connector and/or terminals, then go to
3		res	
	CONNECTOR CONDITION	_	Step 9.
	Switch the ignition to off.	No	Go to the next step.
	Disconnect the neutral switch No.1 connector.		
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	INSPECT NEUTRAL SWITCH NO.1	Yes	Replace the neutral switch No.1, then go to Step 9.
	Inspect the neutral switch No.1.		(See NEUTRAL SWITCH REMOVAL/INSTALLATION
	(See NEUTRAL SWITCH INSPECTION		[C66M-R, C66MX-R].)
	[SKYACTIV-G 2.0].)	No	Go to the next step.
	Is there any malfunction?	Yes	
5	INSPECT NEUTRAL SWITCH NO.1 GROUND		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.1 connector is		circuit, then go to Step 9.
	disconnected.		
	• Inspect for continuity between neutral switch No.		
	1 terminal B (wiring harness-side) and body		
	ground.		
	Is there continuity?		
6	INSPECT NEUTRAL SWITCH NO.1 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.1 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
	1 terminal A (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].)
			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.	NI-	Step 9.
	 Inspect for poor connection (such as damaged/ pulled-out pins, corrosion). 	No	Go to the next step.
	Is there any malfunction?		
	INSPECT NEUTRAL SWITCH NO.1 SIGNAL	\/	0 - 4 - 4 4 - 4
8	l	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.1 and PCM		circuit, then go to the next step.
	connectors are disconnected.		
	• Inspect for continuity between neutral switch No.		
	1 terminal A (wiring harness-side) and PCM		
1	terminal 1K (wiring harness-side).		
	, ,		
	Is there continuity?	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Described to the form of the form
9	• Is there continuity? VERIFY DTC TROUBLESHOOTING	Yes	The state of the s
9	• Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED	Yes	If the malfunction recurs, replace the PCM.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G]
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors.	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS.	Yes	If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].)		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than 10 times during drive cycle.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than 10 times during drive cycle. Perform the Pending Trouble Code Access		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than 10 times during drive cycle. Perform the Pending Trouble Code Access Procedure.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than 10 times during drive cycle. Perform the Pending Trouble Code Access Procedure. (See ON-BOARD DIAGNOSTIC TEST)		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
9	Is there continuity? VERIFY DTC TROUBLESHOOTING COMPLETED Make sure to reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Drive the vehicle above 30 km/h {19 mph} and stop the vehicle. Depress and release the clutch pedal more than 10 times during drive cycle. Perform the Pending Trouble Code Access Procedure.		If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.

STEP	INSPECTION		ACTION
10	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	 Perform the "AFTER REPAIR PROCEDURE". 		(See DTC TABLE [SKYACTIV-G 2.0].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-G 2.0].)		
	Are any DTCs present?		