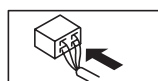
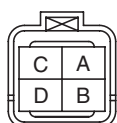
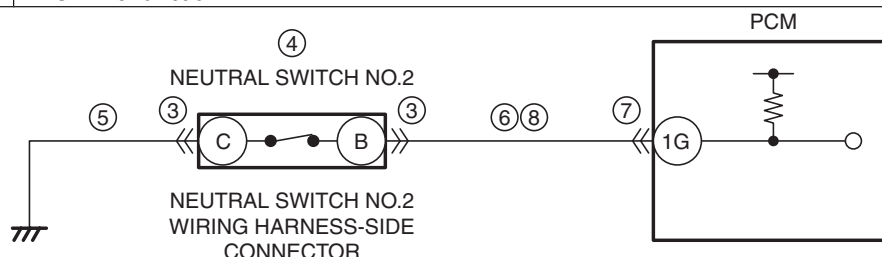


DTC P07BE:00 [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

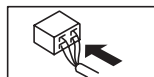
id0102h4950300

DTC P07BE:00	Transmission indeterminate failure (failed to neutral)
DETECTION CONDITION	<ul style="list-style-type: none"> Correlation malfunction between neutral switches No.1 and No.2. Diagnostic support note <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Flashes the i-stop warning light (amber) and inhibits engine-stop by operating the i-stop function.
POSSIBLE CAUSE	<ul style="list-style-type: none"> 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



PCM WIRING HARNESS-SIDE CONNECTOR

1EE 1EA 1DW 1DS 1DO 1DK 1DG 1EF 1EB 1DX 1DT 1DP 1DL 1DH	1DA 1CW 1CS 1CO 1CK 1CG 1CC 1BY 1DB 1CX 1CT 1CP 1CL 1CH 1CD 1BZ	1BR 1BM 1BH 1BC 1AX 1AS 1AN 1AI 1BS 1BN 1BI 1BD 1AY 1AT 1AO 1AJ 1BT 1BO 1BJ 1BE 1AZ 1AU 1AP 1AK 1BU 1BP 1BK 1BF 1BA 1AV 1AQ 1AL 1BV 1BQ 1BL 1BG 1BB 1AW 1AR 1AM	1AD 1Y 1T 1O 1J 1E 1A 1AE 1Z 1U 1P 1K 1F 1B 1AF 1AA 1V 1Q 1L 1G 1C 1AG 1AB 1W 1R 1M 1H 1D 1AH 1AC 1X 1S 1N 1I
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Diagnostic Procedure

STEP	INSPECTION		ACTION
1	VERIFY RELATED SERVICE INFORMATION AVAILABILITY <ul style="list-style-type: none"> Verify related Service Information availability. Is any related Service Information available? 	Yes	Perform repair or diagnosis according to the available Service Information.
		No	Go to the next step.
2	VERIFY RELATED PENDING CODE AND/OR DTC <ul style="list-style-type: none"> Switch the ignition off, then ON (engine off). Perform the Pending Trouble Code Access Procedure and DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is the PENDING CODE/DTC P0850:00 also present? 	Yes	Go to the applicable PENDING CODE or DTC inspection. (See DTC P0850:00 [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No	Go to the next step.

STEP	INSPECTION	ACTION	
3	INSPECT NEUTRAL SWITCH NO.2 CONNECTOR CONDITION <ul style="list-style-type: none"> Switch the ignition off. Disconnect the neutral switch No.2 connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction? 	Yes	Repair or replace the connector and/or terminals, then go to Step 9.
		No	Go to the next step.
4	INSPECT NEUTRAL SWITCH NO.2 <ul style="list-style-type: none"> Inspect the neutral switch No.2. (See NEUTRAL SWITCH INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is there any malfunction? 	Yes	Replace the back-up light switch, then go to Step 9. (See BACK-UP LIGHT SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
		No	Go to the next step.
5	INSPECT NEUTRAL SWITCH NO.2 GROUND CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> Verify that the neutral switch No.2 connector is disconnected. Inspect for continuity between neutral switch No. 2 terminal C (wiring harness-side) and body ground. Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 9.
6	INSPECT NEUTRAL SWITCH NO.2 SIGNAL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Verify that the neutral switch No.2 connector is disconnected. Inspect for continuity between neutral switch No. 2 terminal B (wiring harness-side) and body ground. Is there continuity? 	Yes	If the short to ground circuit could be detected in the wiring harness: <ul style="list-style-type: none"> Repair or replace the wiring harness for a possible short to ground. If the short to ground circuit could not be detected in the wiring harness: <ul style="list-style-type: none"> Replace the PCM (short to ground in the PCM internal circuit). (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to Step 9.
		No	Go to the next step.
7	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> Disconnect the PCM connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction? 	Yes	Repair or replace the connector and/or terminals, then go to Step 9.
		No	Go to the next step.
8	INSPECT NEUTRAL SWITCH NO.2 SIGNAL CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> Verify that the neutral switch No.2 and PCM connectors are disconnected. Inspect for continuity between neutral switch No. 2 terminal B (wiring harness-side) and PCM terminal 1G (wiring harness-side). Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
9	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is the same DTC present? 	Yes	Repeat the inspection from Step 1. <ul style="list-style-type: none"> If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to the next step.
		No	Go to the next step.
10	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No	DTC troubleshooting completed.