

NO.2 CHECK ENGINE LIGHT ILLUMINATES [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

id0103g3205000

2	CHECK ENGINE LIGHT ILLUMINATES
DESCRIPTION	<ul style="list-style-type: none">• Check engine light illuminates incorrectly.
POSSIBLE CAUSE	<ul style="list-style-type: none">• Check engine light illuminates for emission-related concern (DTC is stored in PCM)• Short to ground in wiring harness between the following terminals:<ul style="list-style-type: none">— Instrument cluster terminal B—PCM terminal 2AK— Instrument cluster terminal D—PCM terminal 2AL• Open circuit in wiring harness between the following terminals:<ul style="list-style-type: none">— Instrument cluster terminal B—PCM terminal 2AK— Instrument cluster terminal D—PCM terminal 2AL• Instrument cluster malfunction <p>Note</p> <ul style="list-style-type: none">• If the check engine light blinks at a steady rate, a misfire condition could possibly exist.

②

INSTRUMENT CLUSTER

B

D

②

②

2AK

2AL

PCM

INSTRUMENT CLUSTER
WIRING HARNESS-SIDE CONNECTOR

W	U	S	Q	O	M	K	I	G	E	C	A
X	V	T	R	P	N	L	J	H	F	D	B

PCM WIRING HARNESS-SIDE CONNECTOR

2BE	2AZ	2AU	2AP	2AK	2AE	2AA	2W	2S	2O	2K	2G	2C		
2BF	2BA	2AV	2AQ	2AL	2AF	2AB	2X	2T	2P	2L	2H	2D		
2BG	2BB	2AW	2AR	2AM	2AI	2AG	2AC	2Y	2U	2Q	2M	2I	2E	2A
2BH	2BC	2AX	2AS	2AN	2AJ	2AH	2AD	2Z	2V	2R	2N	2J	2F	2B
	2BD	2AY	2AT	2AO										

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY PCM DTC <ul style="list-style-type: none"> Retrieve any DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Are any DTCs present? 	<div>Yes</div> <div>No</div>	<div>Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</div> <div>Go to the next step.</div>

STEP	INSPECTION	RESULTS	ACTION
2	INSPECT INSTRUMENT CLUSTER <ul style="list-style-type: none"> Inspect the instrument cluster. (See INSTRUMENT CLUSTER INSPECTION.) Is there any malfunction? 	Yes	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.)
		No	Inspect for a short or open circuit between the following terminals: <ul style="list-style-type: none"> Instrument cluster terminal B—PCM terminal 2AK Instrument cluster terminal D—PCM terminal 2AL Repair or replace the wiring harness if necessary.
3	Verify the test results. <ul style="list-style-type: none"> If normal, return to the diagnostic index to service any additional symptoms. (See SYMPTOM DIAGNOSTIC INDEX [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) If a malfunction remains, inspect the related Service Information and perform the repair or diagnosis. <ul style="list-style-type: none"> If the vehicle is repaired, troubleshooting is completed. If the vehicle is not repaired or additional diagnostic information is not available, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) 		