

DTC B113E:11 [REAR BODY CONTROL MODULE (RBCM)]

id0902p4013700

System malfunction location	Liftgate opener switch circuit malfunction
Detection condition	<ul style="list-style-type: none"> Rear body control module (RBCM) detects short to ground in liftgate opener switch circuit
Fail-safe	—
Possible cause	<ul style="list-style-type: none"> Liftgate opener switch connector or terminal malfunction Request opener switch malfunction Rear body control module (RBCM) connector or terminal malfunction Short to ground in wiring harness between rear body control module (RBCM) terminal 4M and liftgate opener switch terminal C Rear body control module (RBCM) malfunction

RBCM

LIFTGATE OPENER SWITCH

RBCM WIRING HARNESS-SIDE CONNECTOR

LIFTGATE OPENER SWITCH WIRING HARNESS-SIDE CONNECTOR

4S	4Q	4O	4M	4K	4I	4G	4E	4C	4A
4T	4R	4P		4L	4J	4F		4D	4B

C	B	A
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Diagnostic Procedure

Diagnostic Procedure		Inspection		Action	
Step 1	VERIFY REAR BODY CONTROL MODULE (RBCM) DTCs AGAIN <ul style="list-style-type: none">• Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].)• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)• Is DTC B113E:11 displayed?	Yes	Go to the next step.		
		No	Go to Step 7.		

Step	Inspection	Action	
2	INSPECT LIFTGATE OPENER SWITCH CONNECTOR <ul style="list-style-type: none"> Switch the ignition to off. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Disconnect the liftgate opener switch connector. Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. Is the connector normal? 	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
3	INSPECT LIFTGATE OPENER SWITCH <ul style="list-style-type: none"> Inspect the liftgate opener switch. (See LIFTGATE OPENER SWITCH INSPECTION.) Is the liftgate opener switch normal? 	Yes	Go to the next step.
		No	Replace the liftgate opener switch, then go to Step 6. (See LIFTGATE OPENER SWITCH REMOVAL/ INSTALLATION.)
4	INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION <ul style="list-style-type: none"> Disconnect the rear body control module (RBCM) connector. Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. Is the connector normal? 	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
5	INSPECT LIFTGATE OPENER SWITCH CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Verify that the liftgate opener switch and rear body control module (RBCM) connectors are disconnected. Inspect for continuity between liftgate opener switch terminal C (vehicle wiring harness) and body ground. Is there continuity? 	Yes	Repair or replace the wiring harness which has a short to ground, then go to the next step.
		No	Go to the next step.

Step	Inspection	Action
6	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> Reconnect all the disconnected connectors. Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].) Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].) Is DTC B113E:11 displayed? 	Yes Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear body control module (RBCM), then go to the next step. (See REAR BODY CONTROL MODULE (RBCM) REMOVAL/INSTALLATION.)
		No Go to the next step.
7	VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none"> Are any other DTCs displayed? 	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [REAR BODY CONTROL MODULE (RBCM)].)
		No DTC troubleshooting completed.