

DTC B1D06:11 [FRONT BODY CONTROL MODULE (FBCM)]

id0902p2009500

System malfunction location	Turn light (LH) circuit malfunction
Detection condition	• The front body control module (FBCM) detects a short to ground in the turn light (LH) circuit with the ignition switched ON (engine off or on).
Fail-safe	—
Possible cause	<ul style="list-style-type: none">• Front combination light (LH) connector or terminal malfunction• Front turn light bulb (LH) malfunction• Rear turn light (LH) connector or terminal malfunction• Rear turn light bulb (LH) malfunction• Malfunction in power outer mirror (LH) connector or terminal• Side turn light (LH) malfunction• Front body control module (FBCM) connector or terminal malfunction• Short to ground in wiring harness between the following terminals:<ul style="list-style-type: none">— Front combination light (LH) terminal D and front body control module (FBCM) terminal 2B (without headlight leveling system)— Front combination light (LH) terminal E and front body control module (FBCM) terminal 2B (with headlight leveling system)— Power outer mirror (LH) terminal E and front body control module (FBCM) terminal 2F— Rear turn light (LH) terminal A and front body control module (FBCM) terminal 2D• Front body control module (FBCM) malfunction

Diagnostic Procedure

Step	Inspection	Action	
1	VERIFY FRONT BODY CONTROL MODULE (FBCM) DTCs AGAIN <ul style="list-style-type: none"> • Clear front body control module (FBCM) DTCs using the M-MDS. (See CLEARING DTC [FRONT BODY CONTROL MODULE (FBCM)].) • Switch the ignition ON (engine off or on). • Operate the turn switch in LH position. • Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) • Is DTC B1D06:11 displayed? 	Yes	Go to the next step.
		No	Go to Step 11.
2	INSPECT FRONT COMBINATION LIGHT (LH) CONNECTOR CONDITION <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 front combination light (LH) 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 10.
3	INSPECT FRONT TURN LIGHT BULB (LH) <ul style="list-style-type: none"> • Inspect the front turn light bulb (LH). • Is the front turn light bulb (LH) normal? 	Yes	Go to the next step.
		No	Replace the front turn light bulb (LH), then go to Step 10. (See FRONT TURN LIGHT BULB REMOVAL/ INSTALLATION.)
4	INSPECT REAR TURN LIGHT (LH) CONNECTOR CONDITION <ul style="list-style-type: none"> • Disconnect the rear turn light (LH) 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 10.
5	INSPECT REAR TURN LIGHT BULB (LH) <ul style="list-style-type: none"> • Inspect the rear turn light bulb (LH). • Is the rear turn light bulb (LH) normal? 	Yes	Go to the next step.
		No	Replace the rear turn light bulb (LH), then go to Step 10. (See REAR TURN LIGHT BULB REMOVAL/ INSTALLATION.)
6	INSPECT POWER OUTER MIRROR (LH) CONNECTOR CONDITION <ul style="list-style-type: none"> • Disconnect the power outer mirror (LH) 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 10.

Step	Inspection		Action
7	INSPECT SIDE TURN LIGHT (LH) <ul style="list-style-type: none"> Inspect the side turn light (LH). (See SIDE TURN LIGHT INSPECTION.) Is the side turn light (LH) normal? 	Yes	Go to the next step.
		No	Replace the side turn light (LH), then go to Step 10. (See SIDE TURN LIGHT REMOVAL/INSTALLATION.)
8	INSPECT FRONT BODY CONTROL MODULE (FBCM) CONNECTOR CONDITION <ul style="list-style-type: none"> Disconnect the front body control module (FBCM) 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 10.
9	INSPECT TURN LIGHT (LH) CONTROL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Verify that the front combination light (LH), rear turn light (LH), power outer mirror (LH) and front body control module (FBCM) connectors are disconnected. Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. <ul style="list-style-type: none"> Front body control module (FBCM) terminal 2B Front body control module (FBCM) terminal 2F Front body control module (FBCM) terminal 2D Is there continuity? 	Yes	Repair or replace the wiring harness, then go to the next step.
		No	Go to the next step.
10	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 front body control module (FBCM) DTCs using the M-MDS. (See CLEARING DTC [FRONT BODY CONTROL MODULE (FBCM)].) Switch the ignition ON (engine off or on). Operate the turn switch in LH position. Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) Is DTC B1D06:11 displayed? 	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the front body control module (FBCM), then go to the next step. (See FRONT BODY CONTROL MODULE (FBCM) REMOVAL/INSTALLATION.)
		No	Go to the next step.
11	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 [FRONT BODY CONTROL MODULE (FBCM)].)
		No	DTC troubleshooting completed.