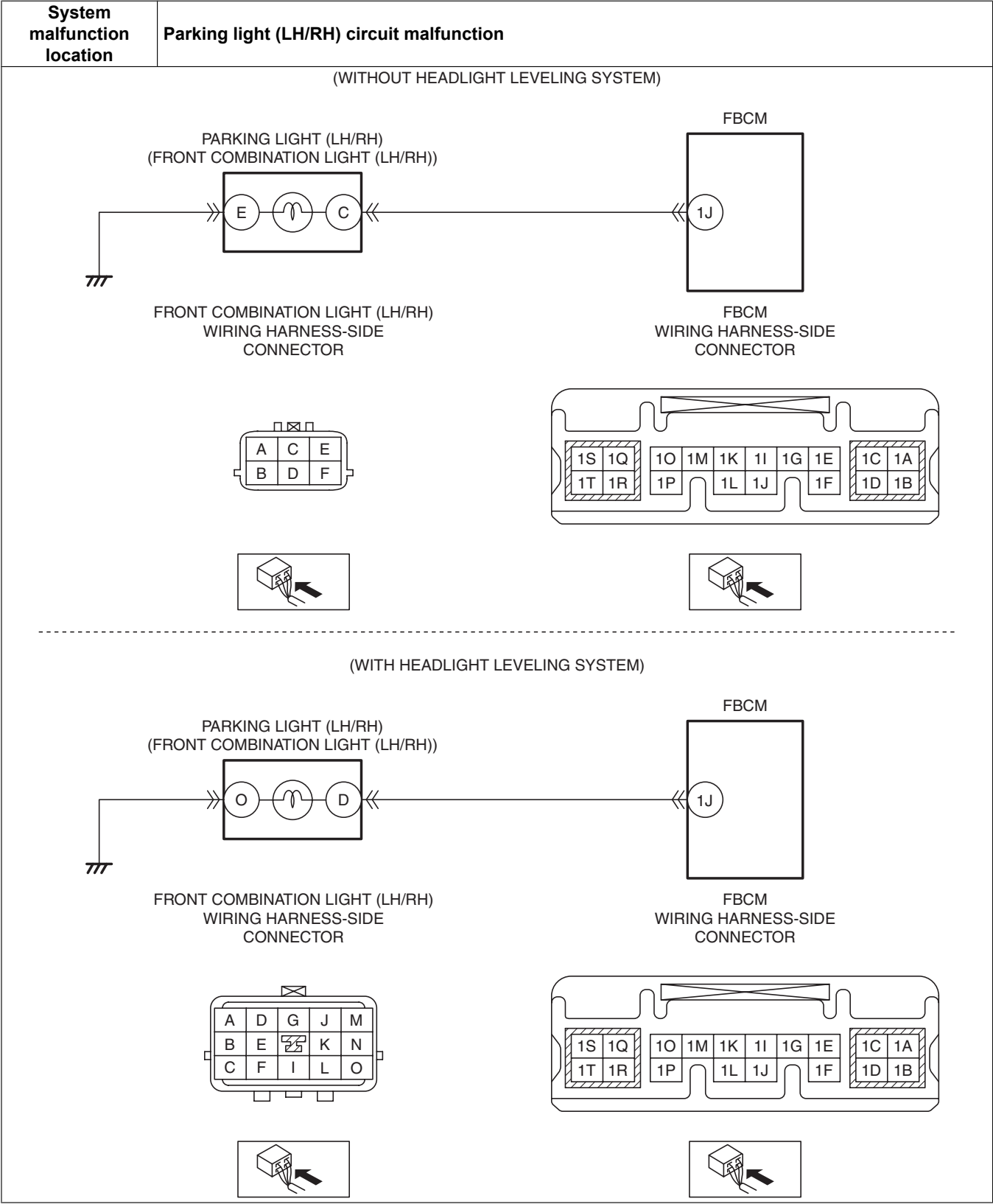

DTC C1126:11 [FRONT BODY CONTROL MODULE (FBCM)]

id0902p2009900

System malfunction location	Parking light (LH/RH) circuit malfunction
Detection condition	• The front body control module (FBCM) detects a short to ground in the parking light (LH/RH) circuit with the ignition switched ON (engine off or on).
Fail-safe	—
Possible cause	<ul style="list-style-type: none">• Front combination light (LH/RH) connector or terminal malfunction• Parking light bulb (LH/RH) 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/RH) terminal C and front body control module (FBCM) terminal 1J (without headlight leveling system)— Front combination light (LH/RH) terminal D and front body control module (FBCM) terminal 1J (with headlight leveling system)• 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). Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) Is DTC C1126:11 displayed? 	Yes	Go to the next step.
		No	Go to Step 7.
2	INSPECT FRONT COMBINATION LIGHT (LH/RH) 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/RH) 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 PARKING LIGHT BULB (LH/RH) <ul style="list-style-type: none"> Inspect the parking light bulb (LH/RH). Is the parking light bulb (LH/RH) normal? 	Yes	Go to the next step.
		No	Replace the parking light bulb (LH/RH), then go to Step 6. (See PARKING LIGHT BULB REMOVAL/INSTALLATION.)
4	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 6.
5	INSPECT PARKING LIGHT (LH/RH) CONTROL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> Verify that the front combination light (LH/RH) and front body control module (FBCM) connectors are disconnected. Inspect for continuity between front body control module (FBCM) terminal 1J (vehicle wiring harness side) and body ground. Is there continuity? 	Yes	Repair or replace the wiring harness, 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 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). • Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) • Is DTC C1126:11 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.
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 [FRONT BODY CONTROL MODULE (FBCM)].)
		No DTC troubleshooting completed.