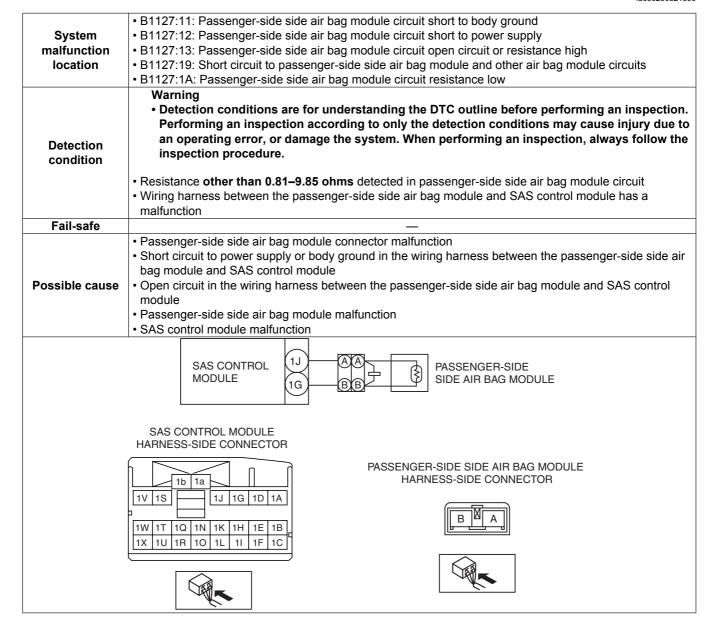
## DTC B1127:11/B1127:12/B1127:13/B1127:19/B1127:1A

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## **Diagnostic Procedure**

Step	Inspection		Action
1	INSPECT PASSENGER-SIDE SIDE AIR BAG	Yes	Replace the malfunctioning part, then go to Step 6.
	MODULE CONNECTOR	No	Go to the next step.
	Warning		
	Handling the component parts		
	improperly can accidentally operate		
	(deploy) the air bag module, which may		
	seriously injure you. Read the service		
	warnings/cautions and the workshop		
	manual before handling the air bag		
	system components.		
	(See AIR BAG SYSTEM SERVICE		
	WARNINGS.)		
	(See AIR BAG SYSTEM SERVICE		
	CAUTIONS.)		
	CAUTIONS.)		
	Switch the ignition to off.		
	<ul> <li>Disconnect the negative battery cable and wait</li> </ul>		
	for 1 min or more.		
	(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 passenger-side side air bag		
	module connector installed to the lower side of		
	the seat cushion of the front seat. (See FRONT		
	SEAT REMOVAL/INSTALLATION.)		
	Inspect the passenger-side side air bag module		
	connector. (Corrosion, damage, and		
	disconnected pins)		
	Is there any malfunction of the passenger-side		
	side air bag module connector?		

Step	Inspection		Action
2	INSPECT PASSENGER-SIDE SIDE AIR BAG	Yes	Replace the wiring harness for a possible short to ground,
_	MODULE CIRCUIT FOR SHORT TO GROUND		then go to Step 6.
	Remove the column cover. (See COLUMN	No	Go to the next step.
	COVER REMOVAL/INSTALLATION.)		•
	Disconnect the clock spring connector. (See		
	CLOCK SPRING REMOVAL/INSTALLATION.)		
	Remove the glove compartment. (See GLOVE)		
	COMPARTMENT REMOVAL/		
	INSTALLATION.)		
	• Disconnect the passenger-side air bag module		
	connector. (See PASSENGER-SIDE AIR BAG		
	MODULE REMOVAL/INSTALLATION.)  • Disconnect the driver-side front seat connector.		
	(See FRONT SEAT REMOVAL/		
	INSTALLATION.)		
	Remove the headliner. (See HEADLINER		
	REMOVAL/INSTALLATION.)		
	Disconnect the driver and passenger-side		
	curtain air bag module connectors. (See		
	CURTAIN AIR BAG MODULE REMOVAL/		
	INSTALLATION.)		
	• Remove the B-pillar lower trim. (See B-PILLAR		
	LOWER TRIM REMOVAL/INSTALLATION.)		
	Disconnect the driver and passenger-side pre- tanginger and half connectors. (See EBONT)		
	tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.)		
	• Remove the rear console. (See REAR		
	CONSOLE REMOVAL/INSTALLATION.)		
	Disconnect the all SAS control module		
	connectors. (See SAS CONTROL MODULE		
	REMOVAL/INSTALLATION.)		
	Inspect for continuity between the following		
	terminals (wiring harness-side) and body		
	ground:		
	SAS control module terminal 1G		
	SAS control module terminal 1J		
	Note		
	Inspect for continuity while shaking the		
	wiring harness between the SAS control		
	module and the passenger-side side air bag		
	module.		
_	Is there continuity?		
3	INSPECT PASSENGER-SIDE SIDE AIR BAG	Yes	Go to the next step.
	MODULE CIRCUIT FOR OPEN CIRCUIT	No	Replace the wiring harness for a possible open circuit, then
	Passenger-side side air bag module and SAS control module connectors are disconnected.		go to Step 6.
	Inspect for continuity between the following		
	terminals (wiring harness-side):		
	Passenger-side side air bag module		
	terminal A—SAS control module terminal		
	1J		
	<ul> <li>Passenger-side side air bag module</li> </ul>		
	terminal B—SAS control module terminal		
	1G		
	N-4-		
	Note		
	Inspect for continuity while shaking the     wiring harmon between the SAS central		
	wiring harness between the SAS control module and passenger-side side air bag		
	module.		
	module.		
	Is there continuity?		
		T.	

Step	Inspection		Action
4	INSPECT PASSENGER-SIDE SIDE AIR BAG	Yes	Go to the next step.
	MODULE CIRCUIT FOR SHORT TO POWER	No	Replace the wiring harness for a possible short to power
	SUPPLY		supply, then go to Step 6.
	Passenger-side side air bag module and SAS		
	control module connectors are disconnected.		
	<ul> <li>Connect the negative battery cable.</li> </ul>		
	(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].)		
	Switch the ignition ON (engine off or on).     Measure the voltage at the following terminals		
	(wiring harness-side):		
	SAS control module terminal 1G		
	SAS control module terminal 1J		
	Crite control module terminal 10		
	Note		
	<ul> <li>Measure the voltage while shaking the</li> </ul>		
	wiring harness between the SAS control		
	module and passenger-side side air bag		
	module.		
	• Is the voltage <b>0V</b> ?		

Step	Inspection		Action
5	INSPECT PASSENGER-SIDE SIDE AIR BAG	Yes	Go to the next step.
1	MODULE	No	Replace the passenger-side side air bag module. (See
	Switch the ignition to off.		SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
	Disconnect the negative battery cable and wait		Then go to the next step.
	for 1 min or more.		
	(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].)		
	Connect the SAS control module connectors.		
	Except for the passenger-side side air bag module connector, reconnect all disconnected		
	connectors.		
	Connect the SST (Fuel and thermometer		
	<b>checker)</b> or apply <b>2 ohms</b> resistance to the		
	passenger-side side air bag module connector		
	terminals A and B.		
	• Set the SST (Fuel and thermometer		
	checker) to 2 ohms.		
	Connect 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].)		
	Switch the ignition ON (engine off or on).		
	Clear the DTC for the SAS control module using		
	the M-MDS. (See CLEARING DTC.)		
	Perform the DTC inspection for the SAS control		
	module using the M-MDS. (See DTC		
	INSPECTION.)		
	Are the same DTCs present?		

Step	Inspection		Action
6	PERFORM SAS CONTROL MODULE DTC	Yes	Replace the SAS control module. (See SAS CONTROL
	INSPECTION		MODULE REMOVAL/INSTALLATION.)
	Switch the ignition to off.	No	DTC troubleshooting completed.
	Disconnect the negative battery cable and wait		
	for 1 min or more.		
	(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 SST (Fuel and thermometer		
	checker) or the 2 ohms resistance.		
	Connect the passenger-side side air bag		
	module connector.		
	Connect 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].)		
	Switch the ignition ON (engine off or on).		
	Clear the DTC for the SAS control module using		
	the M-MDS. (See CLEARING DTC.)		
	Perform the DTC inspection for the SAS control		
	module using the M-MDS. (See DTC		
	INSPECTION.)		
	Are the same DTCs present?		