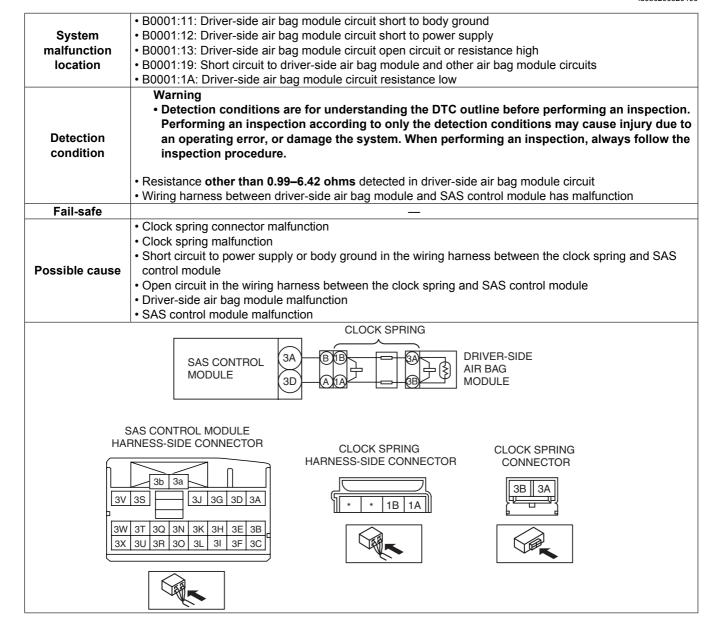
DTC B0001:11/B0001:12/B0001:13/B0001:19/B0001:1A

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Diagnostic Procedure

Step	Inspection		Action
1	INSPECT DRIVER-SIDE AIR BAG MODULE CONNECTOR	Yes	Replace clock spring. (See CLOCK SPRING REMOVAL/INSTALLATION.) Then go to Step 7.
	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.)	No	Go to the next step.
	(See AIR BAG SYSTEM SERVICE CAUTIONS.) • Switch the ignition to off. • 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].) • Remove the driver-side air bag module connector. (See DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.) • Inspect the clock spring connector. (Corrosion, damage, and disconnected pins) • Is there any malfunction of the clock spring		
2	connector? INSPECT CLOCK SPRING • Remove the steering wheel. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.) • Remove the column cover. (See COLUMN COVER REMOVAL/INSTALLATION.) • Remove the clock spring. (See CLOCK SPRING REMOVAL/INSTALLATION.) • Inspect for continuity between clock spring connector terminals 1B—3A and 1A—3B. Note • Inspect the clock spring wiring harness for continuity while shaking it.	Yes No	Go to the next step. Replace clock spring. (See CLOCK SPRING REMOVAL/ INSTALLATION.) Then go to Step 7.
	Is there continuity?		

INSPECT DRIVER-SIDE AIR BAG MODULE CIRCUIT FOR SHORT TO GROUND Remove the glove compartment. (See GLOVE COMPARTMENT REMOVAL/I INSTALLATION.) Disconnect the passenger-side air bag module connector. (See PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.) Disconnect the fiver and passenger-side front seat connector. (See FRONT SEAT REMOVAL/INSTALLATION.) Consonnect the driver and passenger-side outdain air bag module connectors. (See CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side outdain air bag module connectors. (See CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Disconnect the driver and passenger-side pre- tensioner seat belt connectors. (See FRONT SEAT BELT REMOVAL/INSTALLATION.) Inspect for continuity between the following terminals (wring harmess-side) and body ground: - SAS control module terminal 3A - SAS control module terminal 3D Note Inspect for continuity while shaking the wing harmess between the following terminals (wring harmess-side): Clock spring terminal A—SAS control module terminal 3D Note Inspect for continuity while shaking the wing harmess between the SAS control module terminal 3D Note Inspect for continuity while shaking the wing harmess between the SAS control module terminal 3D	Step	Inspection		Action
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module terminal 3D Note Inspect for continuity while shaking the		. •		
Note • Inspect for continuity while shaking the		 Clock spring terminal A—SAS control 		
Inspect for continuity while shaking the				
Inspect for continuity while shaking the		Note		
willing traitiess between the SAS control				
module and clock spring.		_		
module and clock spring.		module and clock spring.		
• Is there continuity?		• Is there continuity?		

Step	Inspection		Action
5	INSPECT DRIVER-SIDE AIR BAG MODULE	Yes	Go to the next step.
	CIRCUIT FOR SHORT TO POWER SUPPLY	No	Replace the wiring harness for a possible short to power
	SAS control module and clock spring		supply, then go to Step 7.
	connectors are disconnected.		
	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).		
	Measure the voltage at the following terminals		
	(wiring harness-side):		
	 — SAS control module terminal 3A 		
	SAS control module terminal 3D		
	Note		
	 Measure the voltage while shaking the 		
	wiring harness between the SAS control		
	module and clock spring.		
	• Is the voltage 0V ?		

Step	Inspection		Action
6	INSPECT DRIVER-SIDE AIR BAG MODULE	Yes	Go to the next step.
	Switch the ignition to off.	No	Replace the driver-side air bag module. (See DRIVER-
	Disconnect the negative battery cable and wait		SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
	for 1 min or more.		Then go to the next step.
	(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 driver-side air bag module		
	connector, reconnect all disconnected		
	connectors.		
	Connect the SST (Fuel and thermometer		
	checker) or apply 2 ohms resistance to the		
	clock spring connector terminals 3A and 3B.		
	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 MADE (Case Of FARING DTC)		
	the M-MDS. (See CLEARING DTC.)		
	Perform the DTC inspection for the SAS control module using the M MDS (See DTC)		
	module using the M-MDS. (See DTC		
	INSPECTION.) • Are the same DTCs present?		
	- Vie nie sanie nios hiesenri		

Step	Inspection		Action
7	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 driver-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?		