

2012 - Mazda6 - Restraints

DTC B00B5:11/ B00B5:12/ B00B5:13/ B00B5:1D

System Malfunction Location

DTC	System Malfunction Location
M-MDS display	
B00B5:11	Seat track position sensor circuit short to body ground
B00B5:12	Seat track position sensor circuit short to power supply
B00B5:13	Seat track position sensor circuit open
B00B5:1D	Seat track position sensor circuit current out of range

Detection Condition

WARNING:

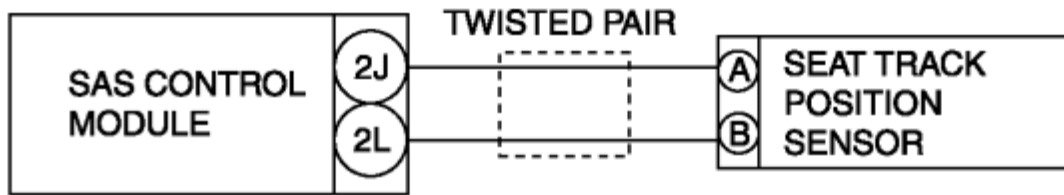
- Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure.
- Malfunction in seat track position sensor circuit

Possible Causes

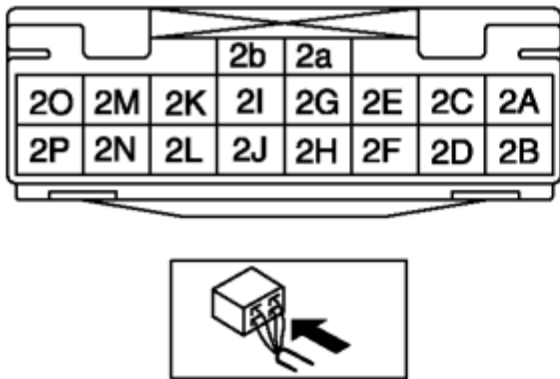
- Seat track position sensor connector malfunction
- Malfunction of connector between seat track position sensor and SAS control module
- Open or short circuit or short to ground or short to power supply in wiring harness between seat track position sensor and SAS control module
- Seat track position sensor malfunction

- SAS control module malfunction

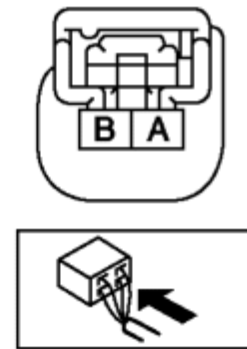
System Wiring Diagram



SAS CONTROL MODULE WIRING HARNESS-SIDE CONNECTOR



SEAT TRACK POSITION SENSOR WIRING HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT SEAT TRACK POSITION SENSOR CIRCUIT • Check the following PID/DATA monitor, using M-MDS. (See PID/ DATA MONITOR TABLE.) ▪ TRAK_SW • Is seat track position sensor circuit normal?	Yes Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION .)
		No Go to the next step.
2	INSPECT SEAT TRACK POSITION SENSOR CONNECTOR WARNING: • Handling the air bag system components improperly can accidentally deploy the air bag modules and pre-tensioner seat belts, which may seriously injure you. Read the service warnings and cautions before handling the air bag system components. (See AIR BAG SYSTEM	Yes Replace the seat track position sensor wiring harness.
		No Go to the next step.

	SERVICE WARNINGS.)(See AIR BAG SYSTEM SERVICE CAUTIONS.) • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more. • Disconnect the seat track position sensor connector. • Inspect the seat track position sensor connection. (Corrosion, damage, and disconnected pins) • Is there any malfunction of the seat track position sensor connector?		
3	INSPECT WIRING HARNESS BETWEEN SEAT TRACK POSITION SENSOR AND SAS CONTROL MODULE • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more. • Remove the column cover. (See COLUMN COVER REMOVAL/ INSTALLATION.) • Disconnect the clock spring connector. • Remove the glove compartment. (See GLOVE COMPARTMENT REMOVAL/ INSTALLATION.) • Disconnect the passenger-side air bag module connector. • Disconnect the driver and passenger-side curtain air bag module connectors. • Disconnect the driver and passenger-side side air bag module connectors. • Disconnect the driver and passenger-side pre-tensioner seat belt connectors. • Disconnect the seat track position sensor connector. • Inspect the wiring harness between SAS control module terminal and seat track position sensor terminals for short to ground, short to power supply, and open circuit: ▪ 2J—A ▪ 2L—B • Is the wiring harness normal?	Yes	Replace the seat track position sensor, then go to the next step.
		No	Replace wiring harness, then go to the next step.
4	INSPECT SAS CONTROL MODULE • Connect the SAS control module connector. • Connect the clock spring connector.	Yes	Replace the SAS control module. (See SAS CONTROL

	• Connect the passenger-side air bag module connector. • Connect the driver-and passenger-side curtain air bag module connectors. • Connect the driver-and passenger-side side air bag module connectors. • Connect the driver-and passenger-side pre tensioner seat belt connectors. • Connect the seat track position sensor connector. • Are DTCs B00B5:11, B00B5:12, B00B5:13 and/or B00B5:1D displayed?	MODULE REMOVAL/ INSTALLATION.)
		No DTC troubleshooting completed.

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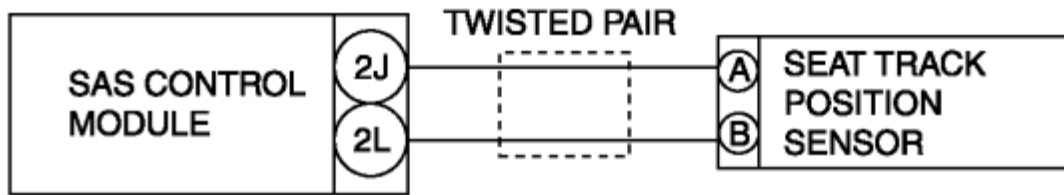
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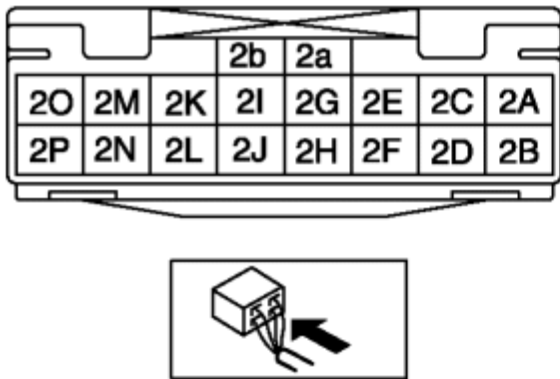
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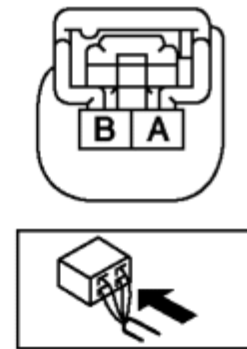
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