

2012 - Mazda6 - Restraints

DTC B00A0:28

System Malfunction Location

- Seat weight sensor calibration setting invalid

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.
- Calibration set value not within valid range

Possible Causes

- Seat weight sensor deformed or malfunction
- Load to or deformation of the seat belt rail
- Deformed front passenger-side seat under-bracket or frame
- Weight acting on front passenger-side seat during calibration
- Improperly installed front passenger-side seat part at time of calibration
- Deformed floor where attached to front passenger-side seat
- Seat weight sensor control module malfunction
- SAS control module malfunction

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT SEAT WEIGHT SENSOR	YesReplace the SAS control module.

	• Properly install the passenger-side front seat. • Inspect the seat weight sensor. (See SEAT WEIGHT SENSOR INSPECTION.) • Is the seat weight sensor normal?		(See SAS CONTROL MODULE REMOVAL/ INSTALLATION .)
		No	Go to the next step.
2	INSPECT PASSENGER-SIDE FRONT SEAT • Switch the ignition to off. • Disconnect the negative battery cable and wait for 1 min or more. • Remove the passenger-side seat and visually inspect for the following: ▪ Seat under-bracket deformation ▪ Seat frame deformation ▪ Seat weight sensor deformation ▪ Foreign objects stuck in seat • Are any of the parts deformed or are any foreign objects stuck in the seat?	Yes	Replace any deformed parts or remove any foreign objects. • After replacement, perform seat weight sensor calibration and reperform the DTC inspection. If the DTC is displayed, go the next step. (See SEAT WEIGHT SENSOR CALIBRATION .)
		No	Go to the next step.
3	INSPECT FLOOR • Visually inspect the installation parts of the front passenger-side seat for the following: ▪ Abnormal floor deformation ▪ Installation hole of front passenger-side seat is improperly positioned	Yes	Go to the next step.
		No	Repair floor deformation. • After repair, perform seat weight sensor calibration and reperform the DTC inspection. If the DTC is displayed even though the floor has been repaired, go the next step. (See SEAT WEIGHT SENSOR CALIBRATION .)

	• Is the floor normal?		
4	INSPECT SEAT WEIGHT SENSOR CONTROL MODULE • Replace the seat weight sensor. • Connect the negative battery cable. • Switch the ignition to ON. • After replacement, perform seat weight sensor calibration. (See SEAT WEIGHT SENSOR CALIBRATION.) • Reperform the DTC inspection. • Is DTC B00A0:28 displayed?	Yes	Replace the seat weight sensor control module. (See SEAT WEIGHT SENSOR CONTROL MODULE REMOVAL/ INSTALLATION.) • After replacement, perform seat weight sensor calibration and reperform the DTC inspection. If the DTC is displayed even though the seat weight sensor control module has been replaced, replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	DTC troubleshooting completed.

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