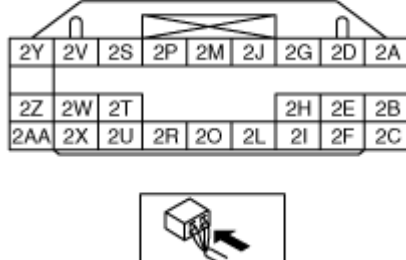
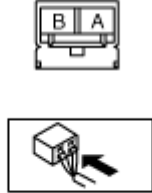


# DTC B1047, B1992, B1993, B1994, B1995

id080200809000

DTC	B1047	Driver-side side air bag module and other air bag module circuits short
	B1992	Driver-side side air bag module circuit short to power supply
	B1993	Driver-side side air bag module circuit short to body ground
	B1994	Driver-side side air bag module circuit resistance high
	B1995	Driver-side side air bag module circuit resistance low
DETECTION CONDITION	<p><b>Warning</b></p> <ul style="list-style-type: none"><li>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.</li></ul> <ul style="list-style-type: none"><li>Resistance other than 1.3—4.7 ohms detected in driver-side side air bag module circuit</li><li>Malfunction in wiring harness between driver-side side air bag module and SAS control module</li></ul>	
POSSIBLE CAUSE	<ul style="list-style-type: none"><li>Driver-side side air bag module connector malfunction</li><li>Open or short circuit in wiring harness between driver-side side air bag module and SAS control module</li><li>Driver-side side air bag module malfunction</li><li>SAS control module malfunction</li></ul>	
<div><div><p>SAS CONTROL MODULE WIRING HARNESS-SIDE CONNECTOR</p></div><div><p>DRIVER-SIDE SIDE AIR BAG MODULE WIRING HARNESS-SIDE CONNECTOR</p></div></div>		

## Diagnostic procedure

STEP	INSPECTION	ACTION	
1	<b>INSPECT DRIVER-SIDE SIDE AIR BAG MODULE CONNECTOR</b> <p><b>Warning</b></p> <ul style="list-style-type: none"> <li>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 <a href="#">AIR BAG SYSTEM SERVICE WARNINGS.</a>) (See <a href="#">AIR BAG SYSTEM SERVICE CAUTIONS.</a>)</li> </ul> <ul style="list-style-type: none"> <li>Turn the ignition switch to the LOCK position.</li> <li>Disconnect the negative battery cable and wait for 1 min or more. (See <a href="#">BATTERY REMOVAL/INSTALLATION (L8, LF).</a>) (See <a href="#">BATTERY REMOVAL/INSTALLATION (MZR-CD (RE Turbo)).</a>)</li> <li>Disconnect the driver-side side air bag module connector. (See <a href="#">SIDE AIR BAG MODULE REMOVAL/INSTALLATION.</a>)</li> <li>Inspect the driver-side side air bag module connector. (Corrosion, damage, and disconnected pins)</li> <li>Is there any malfunction of the driver-side side air bag module connector?</li> </ul>	Yes	Replace the driver-side side air bag module wiring harness.
		No	Go to the next step.
2	<b>INSPECT WIRING HARNESS BETWEEN DRIVER-SIDE SIDE AIR BAG MODULE AND SAS CONTROL MODULE</b> <ul style="list-style-type: none"> <li>Remove the column cover. (See <a href="#">COLUMN COVER REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the clock spring connector. (See <a href="#">CLOCK SPRING REMOVAL/INSTALLATION.</a>)</li> <li>Remove the glove compartment. (See <a href="#">GLOVE COMPARTMENT REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the passenger-side air bag module connector. (See <a href="#">PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the passenger-side side air bag module connector. (See <a href="#">SIDE AIR BAG MODULE REMOVAL/INSTALLATION.</a>)</li> <li>Remove the C-pillar trim. (See <a href="#">C-PILLAR TRIM REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the driver and passenger-side curtain air bag module connectors. (See <a href="#">CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION.</a>)</li> <li>Remove the B-pillar lower trim. (See <a href="#">B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the driver and passenger-side pre-tensioner seat belt connectors. (See <a href="#">FRONT SEAT BELT REMOVAL/INSTALLATION.</a>)</li> </ul>	Yes	Go to the next step.

STEP	INSPECTION		ACTION
	<ul style="list-style-type: none"> <li>Remove the front console. (See <a href="#">FRONT CONSOLE REMOVAL/INSTALLATION.</a>)</li> <li>Disconnect the SAS control module connectors. (See <a href="#">SAS CONTROL MODULE REMOVAL/INSTALLATION.</a>)</li> <li>Inspect the wiring harness between SAS control module connector terminal 2J and driver-side side air bag module connector terminal A, SAS control module connector terminal 2G and driver-side side air bag module connector terminal B for the following: <ul style="list-style-type: none"> <li>Short circuit between terminals</li> <li>Short to body ground</li> <li>Open circuit</li> </ul> </li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Inspect for continuity while shaking the wiring harness between the SAS control module and the driver-side side air bag module.</li> </ul> <p>• Is the wiring harness normal?</p>	No	Replace the wiring harness between the SAS control module and the driver-side side air bag module.
3	<p><b>INSPECT THE WIRING HARNESS BETWEEN THE SAS CONTROL MODULE AND DRIVER-SIDE SIDE AIR BAG MODULE FOR A SHORT CIRCUIT TO THE POWER SUPPLY</b></p> <ul style="list-style-type: none"> <li>Connect the negative battery cable.</li> <li>Turn the ignition switch to the ON position with SAS control module connector and driver-side side air bag module connector disconnected.</li> <li>Measure the voltage of SAS control module connector terminals 2J and 2G.</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Measure the voltage while shaking the wiring harness between the SAS control module and the driver-side side air bag module.</li> </ul> <p>• Is the voltage measured?</p>	Yes	Replace the wiring harness between the SAS control module and the driver-side side air bag module.
4	<p><b>INSPECT DRIVER-SIDE SIDE AIR BAG MODULE</b></p> <ul style="list-style-type: none"> <li>Turn the ignition switch to the LOCK position.</li> <li>Disconnect the negative battery cable and wait for 1 min or more.</li> <li>Connect the SST (Fuel and thermometer checker) or apply 2 ohms resistance to the driver-side side air bag module connector terminals A and B.</li> <li>Set the SST (Fuel and thermometer checker) to 2 ohms.</li> <li>Except for the driver-side side air bag module connector, reconnect all disconnected connectors.</li> <li>Connect the negative battery cable.</li> <li>Turn the ignition switch to the ON position.</li> <li>Clear the DTC for the SAS control module using the M-MDS.</li> </ul> <p>(See <a href="#">CLEARING DTC.</a>)</p> <ul style="list-style-type: none"> <li>Perform the DTC inspection for the SAS control module using the M-MDS.</li> </ul> <p>(See <a href="#">DTC DISPLAY.</a>)</p> <p>• Are the same DTCs present?</p>	Yes	Go to the next step.
5	<p><b>PERFORM SAS CONTROL MODULE DTC INSPECTION</b></p> <ul style="list-style-type: none"> <li>Turn the ignition switch to the LOCK position.</li> <li>Disconnect the negative battery cable and wait for 1 min or more.</li> <li>Disconnect the SST (Fuel and thermometer checker) or the 2 ohms resistance.</li> <li>Connect the driver-side side air bag module connector.</li> <li>Connect the negative battery cable.</li> <li>Turn the ignition switch to the ON position.</li> <li>Clear the DTC for the SAS control module using the M-MDS.</li> </ul> <p>(See <a href="#">CLEARING DTC.</a>)</p> <ul style="list-style-type: none"> <li>Perform the DTC inspection for the SAS control module using the M-MDS.</li> </ul> <p>(See <a href="#">DTC DISPLAY.</a>)</p> <p>• Are the same DTCs present?</p>	Yes	Replace the SAS control module. (See <a href="#">SAS CONTROL MODULE REMOVAL/INSTALLATION.</a> )
		No	DTC troubleshooting completed.