

## AudioPilot®2 FUNCTION IS INOPERATIVE [ENTIRE AUDIO SYSTEM]

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Possible DTC	<b>AudioPilot®2 function is inoperative</b>	
	<b>Using the M-MDS</b>	<b>U0155:00, U0010:88</b>
	<b>Without using M-MDS (On-board diagnostic test mode)</b>	<b>16:Er12</b>
Possible cause	<ul style="list-style-type: none"> <li>• Audio amplifier malfunction</li> <li>• Open or short circuit in AudioPilot®2 signal wiring harness</li> <li>• Open or short circuit in AudioPilot®2 microphone signal wiring harness</li> <li>• Open or short circuit in vehicle speed signal wiring harness (e. g., instrument cluster)</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Inspect the AudioPilot®2 function while driving the vehicle and playing a CD.</li> </ul>	

### Diagnostic procedure

STEP	INSPECTION	ACTION	
1	<ul style="list-style-type: none"> <li>• Turn the AudioPilot®2 function on.</li> <li>• Inspect the AudioPilot®2 function operation while driving the vehicle.</li> <li>• Does the AudioPilot®2 system operation properly?</li> </ul>	Yes	The system is normal. Explain the AudioPilot®2 function to the customer.
		No	Go to the next step.
2	<ul style="list-style-type: none"> <li>• Inspect the connection of the audio amplifier connector (AudioPilot®2 microphone signal).</li> <li>• Inspect both the audio amplifier wiring harness-side connector terminal 1O, 1P and 2H for a poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>• Are all the pins normal?</li> </ul>	Yes	Repair or replace the pins and/or the connector.
		No	Go to the next step.
3	<ul style="list-style-type: none"> <li>• Inspect the connection of the AudioPilot®2 microphone connector (2-pin).</li> <li>• Inspect the AudioPilot®2 microphone wiring harness-side connector terminal A and B (2-pin) for poor connection (such as damaged/pulled-out pins, corrosion).</li> <li>• Are all pins normal?</li> </ul>	Yes	Repair or replace the pins and/or the connector.
		No	Go to the next step.
4	<ul style="list-style-type: none"> <li>• Inspect continuity between the following terminals of the audio amplifier connector and body ground. <ul style="list-style-type: none"> <li>— Terminal 1O (AudioPilot®2 microphone+)</li> <li>— Terminal 1P (AudioPilot®2 microphone-)</li> <li>— Terminal 2H (vehicle speed signal)</li> </ul> </li> <li>• Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness for a possible short to ground.
		No	Go to the next step.
5	<ul style="list-style-type: none"> <li>• Inspect continuity between the following terminals of the audio amplifier connector and AudioPilot®2 microphone/instrument cluster connector. <ul style="list-style-type: none"> <li>— Terminal 1O—AudioPilot®2 microphone terminal B (+)</li> <li>— Terminal 1P—AudioPilot®2 microphone terminal A (-)</li> <li>— Terminal 2H—Instrument cluster terminal O (vehicle speed signal)</li> </ul> </li> <li>• Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace for open circuit.
6	<ul style="list-style-type: none"> <li>• Retrieve the DTCs from all vehicle modules using the M-MDS.</li> <li>• Is there the following DTC displayed? <ul style="list-style-type: none"> <li>— Vehicle speed signal</li> <li>— CAN communication</li> </ul> </li> </ul>	Yes	Go to the appropriate DTC inspection.
		No	Replace the audio amplifier. (See AUDIO AMPLIFIER REMOVAL/INSTALLATION.)