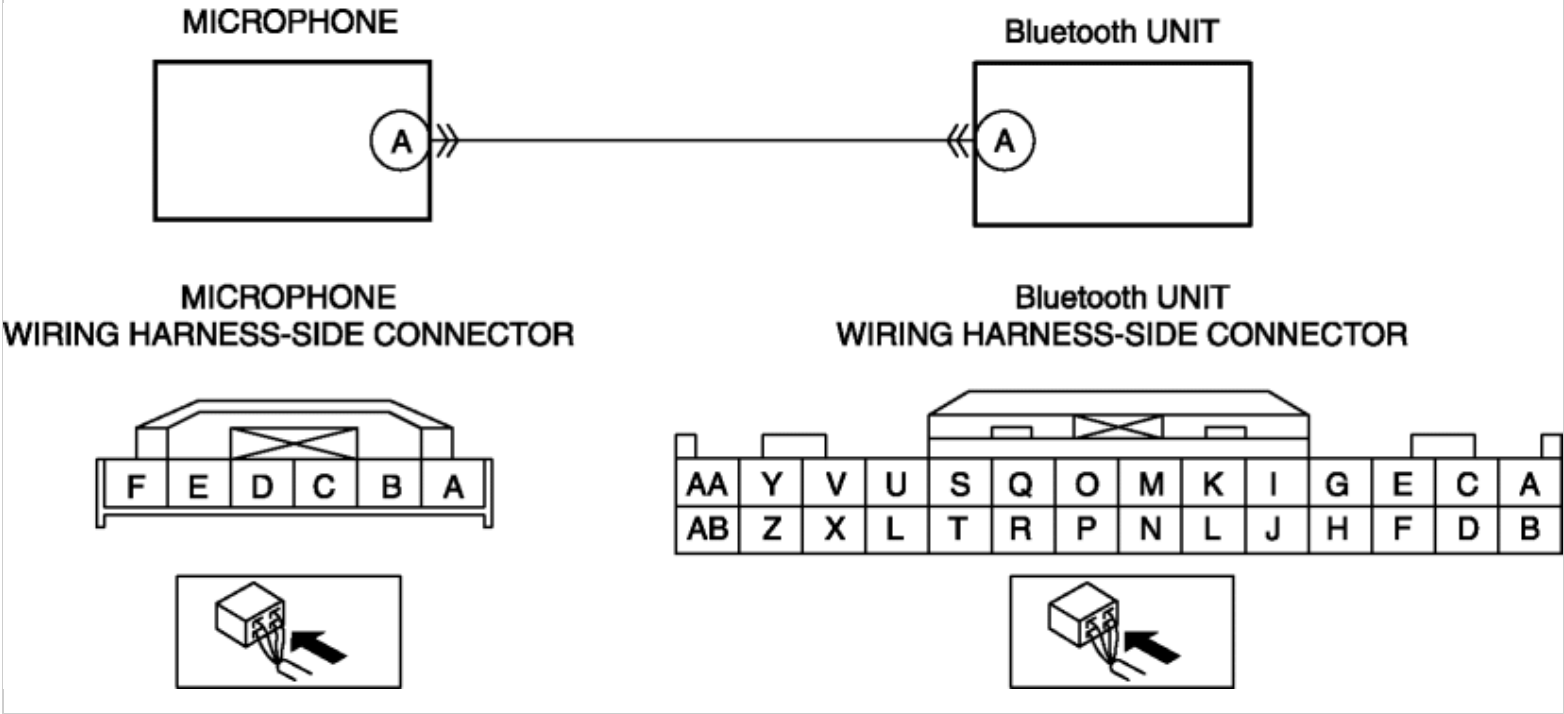


2012 - Mazda6 - Body and Accessories

DTC: 26:Er82, DEVICE CORD 26/ ERROR CORD 82 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Short to power supply in the microphone input circuit
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to power supply in wiring harness between the following terminals: ▪ Bluetooth unit terminal A and microphone terminal A • Microphone malfunction • Bluetooth unit malfunction



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT MICROPHONE	YesRepair or replace the connector or terminal, then

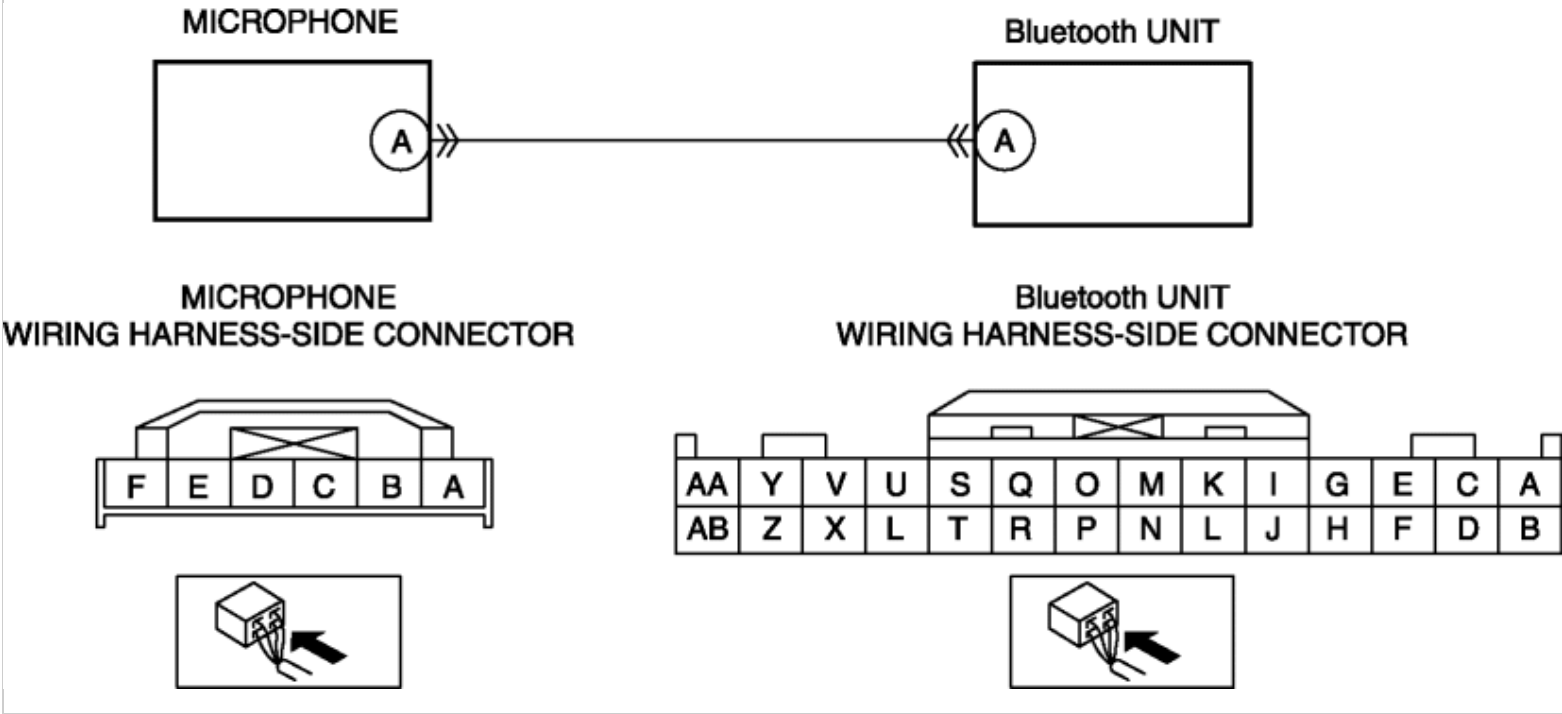
	CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the microphone connector. • Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction?	go to Step 4. No Go to the next step.
2	INSPECT Bluetooth UNIT CONNECTOR CONDITION • Disconnect the Bluetooth unit connector. • Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 4. No Go to the next step.
3	INSPECT MICROPHONE INPUT CIRCUIT FOR SHORT TO POWER SUPPLY • Make sure reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage at the following terminals (wiring harness-side): ▪ Bluetooth unit terminal A • Is there any voltage?	Yes Repair or replace the wiring harness for a possible short to power supply, then go to the next step. No Go to the next step.
4	VERIFY TROUBLESHOOTING COMPLETED • Clear the DTC from the Bluetooth unit memory. (See CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) • Perform the Bluetooth unit DTC inspection. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) • Is the same DTC present?	Yes Replace the microphone, then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.) No Go to the step 6.

5	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the Bluetooth unit memory. (See CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) - Perform the Bluetooth unit DTC inspection. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) - Is the same DTC present?	Yes	Replace the Bluetooth unit, then go to the next step.
		No	Go to the next step.
6	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection.
		No	DTC troubleshooting completed.

2012 - Mazda6 - Body and Accessories

DTC: 26:Er82, DEVICE CORD 26/ ERROR CORD 82 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Short to power supply in the microphone input circuit
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to power supply in wiring harness between the following terminals: ▪ Bluetooth unit terminal A and microphone terminal A • Microphone malfunction • Bluetooth unit malfunction



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT MICROPHONE	YesRepair or replace the connector or terminal, then

	CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the microphone connector. • Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction?	go to Step 4. No Go to the next step.
2	INSPECT Bluetooth UNIT CONNECTOR CONDITION • Disconnect the Bluetooth unit connector. • Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 4. No Go to the next step.
3	INSPECT MICROPHONE INPUT CIRCUIT FOR SHORT TO POWER SUPPLY • Make sure reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage at the following terminals (wiring harness-side): ▪ Bluetooth unit terminal A • Is there any voltage?	Yes Repair or replace the wiring harness for a possible short to power supply, then go to the next step. No Go to the next step.
4	VERIFY TROUBLESHOOTING COMPLETED • Clear the DTC from the Bluetooth unit memory. (See CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) • Perform the Bluetooth unit DTC inspection. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) • Is the same DTC present?	Yes Replace the microphone, then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.) No Go to the step 6.

5	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the Bluetooth unit memory. (See CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) - Perform the Bluetooth unit DTC inspection. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)].) - Is the same DTC present?	Yes	Replace the Bluetooth unit, then go to the next step.
		No	Go to the next step.
6	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection.
		No	DTC troubleshooting completed.

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