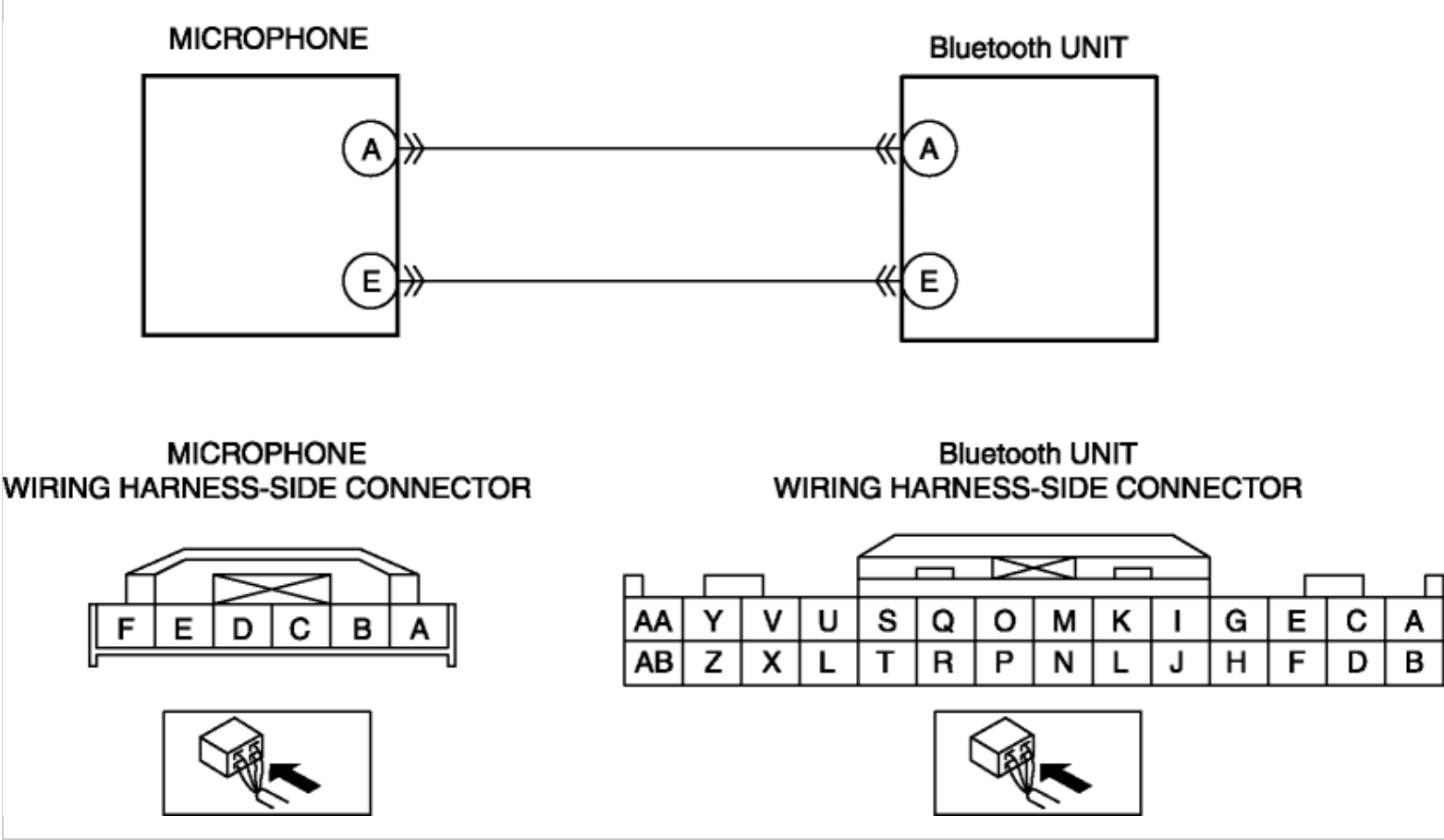


2012 - Mazda6 - Body and Accessories

DTC: 26:Er84, DEVICE CORD 26/ ERROR CORD 84 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Microphone non-connection signal detected continuously
POSSIBLE CAUSE	• Connector or terminal malfunction • Open circuit in wiring harness between the following terminals: ▪ Bluetooth unit terminal E and microphone terminal E • Short to ground in wiring harness between the following terminals: ▪ Bluetooth unit terminal A and microphone terminal A • Microphone malfunction • Bluetooth unit malfunction



Diagnostic Procedure

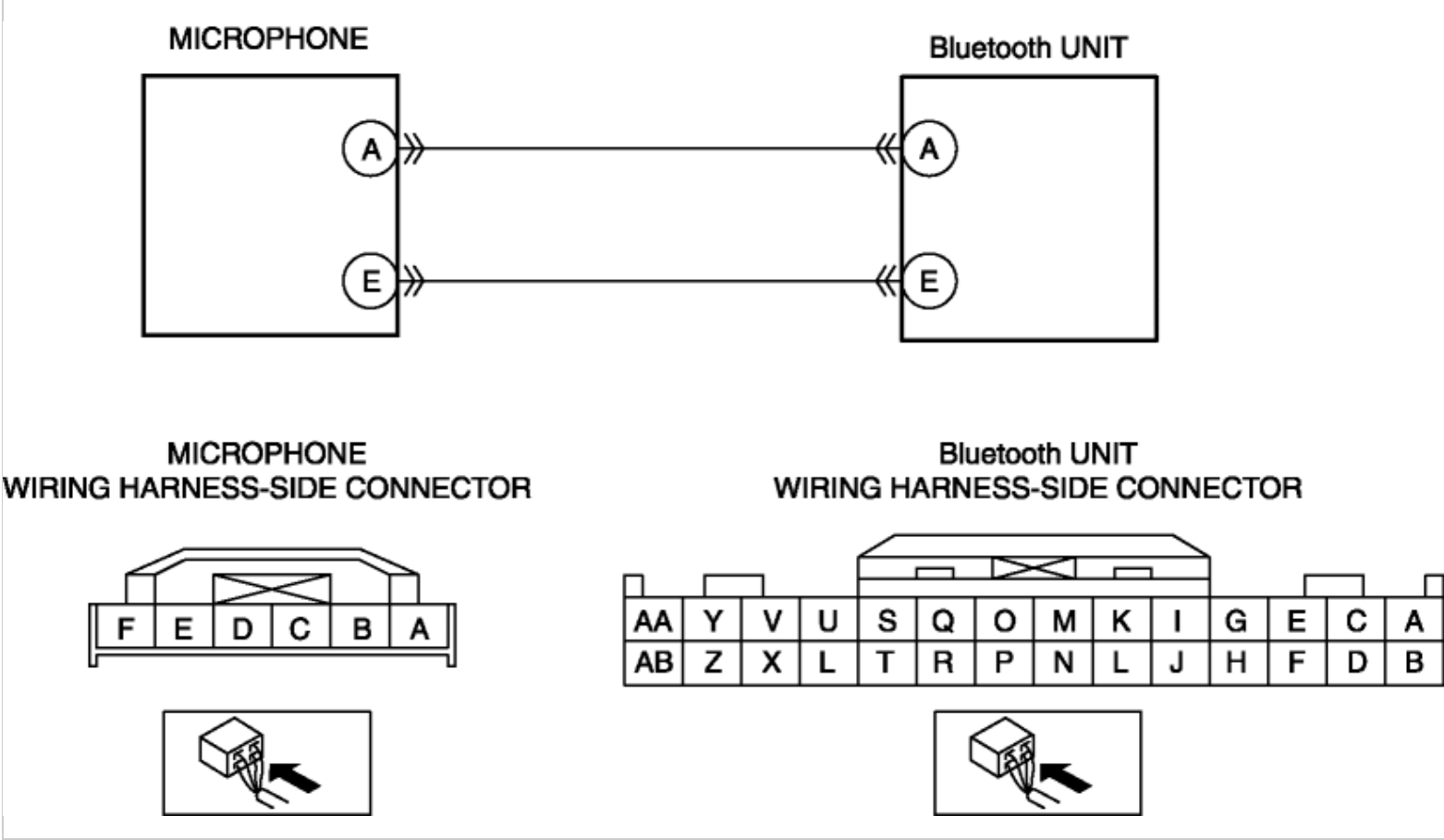
Step	Inspection	Action
1	INSPECT MICROPHONE CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable. - Disconnect the microphone connector. - Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion). - Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 5.
		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 5.
		No Go to the next step.
3	INSPECT MICROPHONE CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between the following terminals (wiring harness-side): - Bluetooth unit terminal E and microphone terminal E - Is there continuity?	Yes Go to the next step.
		No Repair or replace the wiring harness for a possible open circuit, then go to Step 5.
4	INSPECT MICROPHONE INPUT CIRCUIT FOR SHORT TO GROUND - Inspect for continuity between the following terminals (wiring harness-side) and body ground: - Bluetooth unit terminal A and body ground - Is there continuity?	Yes Repair or replace the wiring harness for a possible short to ground, then go to the next step.
		No Go to the next step.
5	VERIFY TROUBLESHOOTING COMPLETED Make sure reconnect the disconnected connectors.	Yes Replace the microphone then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.)

	- Reconnect the negative battery cable. - 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?	No	Go to Step 7.
6	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. (See Bluetooth UNIT REMOVAL/ INSTALLATION .)
		No	Go to the next step.
7	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)] .)
		No	DTC troubleshooting completed.

2012 - Mazda6 - Body and Accessories

DTC: 26:Er84, DEVICE CORD 26/ ERROR CORD 84 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Microphone non-connection signal detected continuously
POSSIBLE CAUSE	• Connector or terminal malfunction • Open circuit in wiring harness between the following terminals: ▪ Bluetooth unit terminal E and microphone terminal E • Short to ground 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 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?	Yes Repair or replace the connector or terminal, then go to Step 5.
		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 5.
		No Go to the next step.
3	INSPECT MICROPHONE CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between the following terminals (wiring harness-side): - Bluetooth unit terminal E and microphone terminal E - Is there continuity?	Yes Go to the next step.
		No Repair or replace the wiring harness for a possible open circuit, then go to Step 5.
4	INSPECT MICROPHONE INPUT CIRCUIT FOR SHORT TO GROUND - Inspect for continuity between the following terminals (wiring harness-side) and body ground: - Bluetooth unit terminal A and body ground - Is there continuity?	Yes Repair or replace the wiring harness for a possible short to ground, then go to the next step.
		No Go to the next step.
5	VERIFY TROUBLESHOOTING COMPLETED Make sure reconnect the disconnected connectors.	Yes Replace the microphone then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.)

	• Reconnect the negative battery cable. • 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?	No	Go to Step 7.
6	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. (See Bluetooth UNIT REMOVAL/ INSTALLATION .)
		No	Go to the next step.
7	VERIFY THAT NO OTHER DTCs ARE RECORDED • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)] .)
		No	DTC troubleshooting completed.