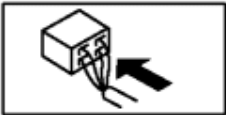
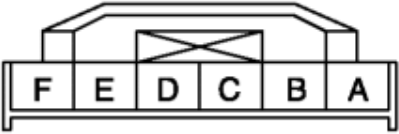
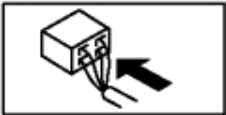
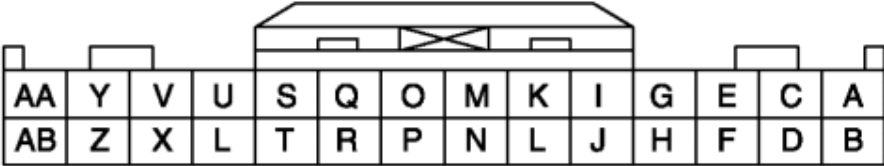


2012 - Mazda6 - Body and Accessories

DTC: 26:Er83, DEVICE CORD 26/ ERROR CORD 83 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Short to ground in microphone power supply circuit
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between the following terminals: ▪ Bluetooth unit terminal C and microphone terminal C • Microphone malfunction • Bluetooth unit malfunction
MICROPHONE  MICROPHONE WIRING HARNESS-SIDE CONNECTOR  Bluetooth UNIT  Bluetooth UNIT WIRING HARNESS-SIDE CONNECTOR 	

Diagnostic Procedure

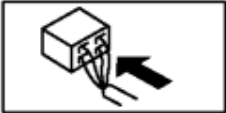
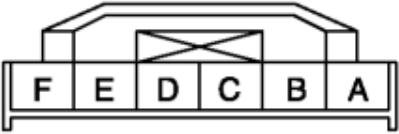
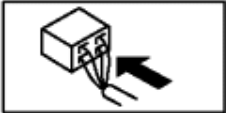
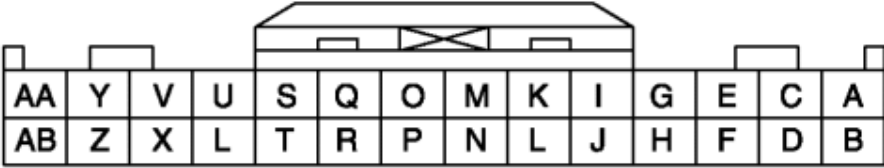
Step	Inspection	Action
1	I NSPECT MI CROPHONE C O N N E C T O R C O N D I T I O N	YesRepair or replace the connector or terminal, then go to Step 5.

	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?	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 POWER SUPPLY CIRCUIT FOR SHORT TO GROUND • Inspect for continuity between the following terminals (wiring harness-side) and body ground: ▪ Microphone terminal C • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 5.
		No	Go to the next step.
4	INSPECT Bluetooth UNIT POWER SUPPLY CIRCUIT • Make sure reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage at the following terminal (wiring harness-side): ▪ Bluetooth unit terminal C • Is there any voltage?	Yes	Replace the microphone, then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.)
		No	Go to the next step.
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.	Yes	Replace the Bluetooth unit, then go to the next step. (See Bluetooth UNIT REMOVAL/ INSTALLATION.)
		No	Go to the next step.

	(See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)] .) Is the same DTC present?		
6	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:Er83, DEVICE CORD 26/ ERROR CORD 83 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

DESCRIPTION	Microphone circuit malfunction
DETECTION CONDITION	Short to ground in microphone power supply circuit
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between the following terminals: ▪ Bluetooth unit terminal C and microphone terminal C • Microphone malfunction • Bluetooth unit malfunction
MICROPHONE  MICROPHONE WIRING HARNESS-SIDE CONNECTOR  Bluetooth UNIT  Bluetooth UNIT WIRING HARNESS-SIDE CONNECTOR 	

Diagnostic Procedure

Step	Inspection	Action
1	I NSPECT MI CROPHONE C O N N E C T O R C O N D I T I O N	YesRepair or replace the connector or terminal, then go to Step 5.

	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?	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 POWER SUPPLY CIRCUIT FOR SHORT TO GROUND • Inspect for continuity between the following terminals (wiring harness-side) and body ground: ▪ Microphone terminal C • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 5.
		No	Go to the next step.
4	INSPECT Bluetooth UNIT POWER SUPPLY CIRCUIT • Make sure reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage at the following terminal (wiring harness-side): ▪ Bluetooth unit terminal C • Is there any voltage?	Yes	Replace the microphone, then go to the next step. (See MICROPHONE REMOVAL/ INSTALLATION.)
		No	Go to the next step.
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.	Yes	Replace the Bluetooth unit, then go to the next step. (See Bluetooth UNIT REMOVAL/ INSTALLATION.)
		No	Go to the next step.

	(See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)] .) Is the same DTC present?		
6	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.