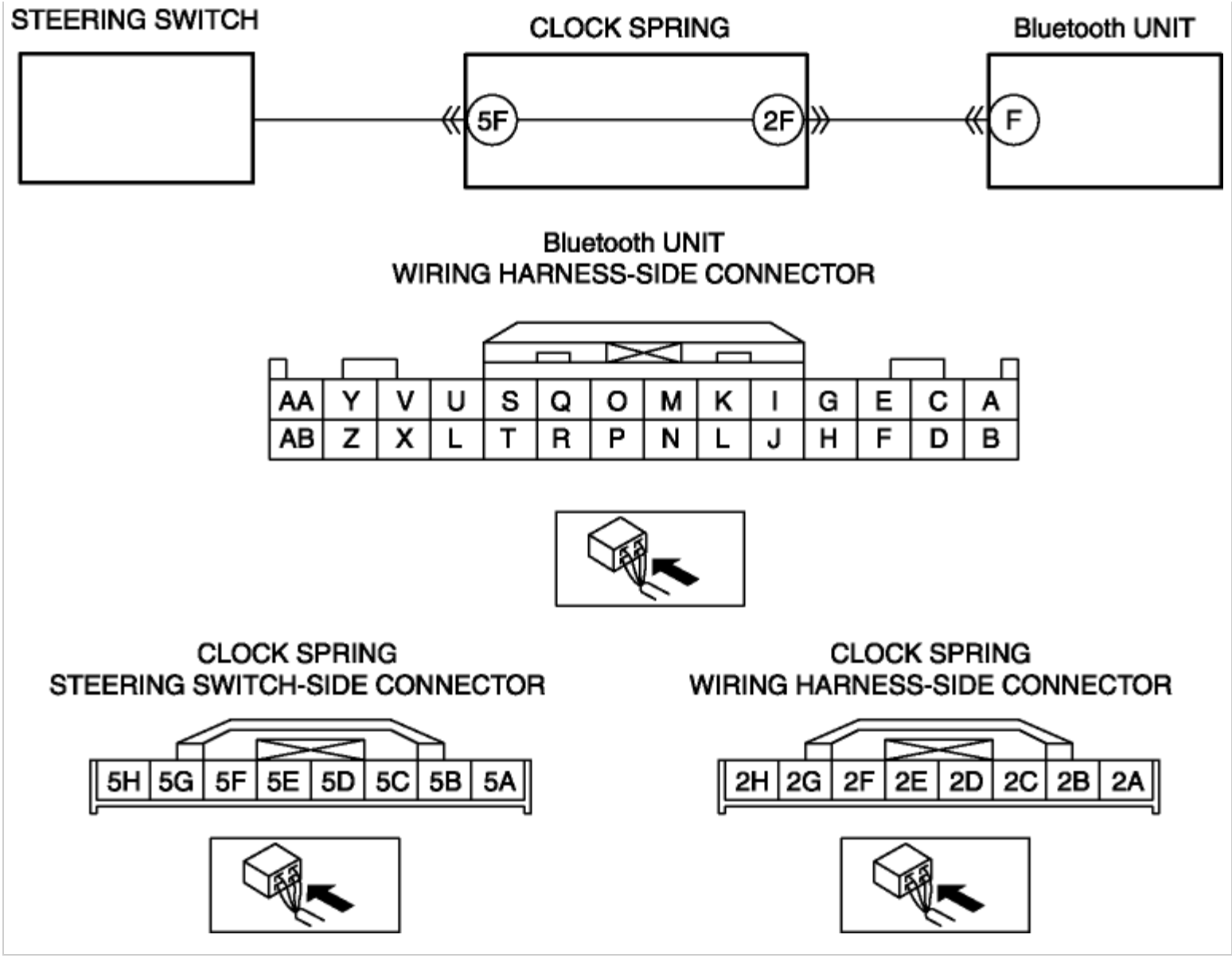
# 2012 - Mazda6 - Body and Accessories

## DTC: 26:Er85, DEVICE CORD 26/ ERROR CORD 85 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

| | |
|---|---|
| DESCRIPTION | Steering switch circuit malfunction |
| **DETECTION CONDITION** | Steering switch input signal is detected continuously for **2 min or more** |
| **POSSIBLE CAUSE** | • Connector or terminal malfunction<br>• Steering switch malfunction<br>• Clock spring malfunction<br>• Short to ground in wiring harness between the following terminals:<br>  ▪ Clock spring terminal 5F and Bluetooth unit terminal F<br>• Bluetooth unit malfunction |




**Diagnostic Procedure**

| Step | Inspection | | Action |
|---|---|---|---|
| 1 | **INSPECT STEERING SWITCH CONNECTOR CONDITION**<br>• Switch the ignition to off.<br>• Disconnect the negative battery cable.<br>• Disconnect the steering switch connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |

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| 2 | **INSPECT CLOCK SPRING CONNECTOR CONDITION**<br>• Disconnect the clock spring connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |
| 3 | **INSPECT Bluetooth UNIT CONNECTOR CONDITION**<br>• Disconnect the Bluetooth unit connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |
| 4 | **INSPECT STEERING SWITCH**<br>• Inspect the steering switch.<br>(See **STEERING SWITCH INSPECTION**.)<br>• Is there any malfunction? | Yes | Replace the steering switch, then go to Step 7.<br>(See **STEERING SWITCH REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 5 | **INSPECT CLOCK SPRING**<br>• Inspect the crock spring.<br>(See **CLOCK SPRING INSPECTION**.)<br>• Is there any malfunction? | Yes | Replace the crock spring, then go to Step 7.<br>(See **CLOCK SPRING REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 6 | **INSPECT STEERING SWITCH INPUT CIRCUIT FOR SHORT TO GROUND**<br>• Make sure reconnect the disconnected connectors.<br>• Inspect for continuity between the following terminals (wiring harness-side) and body ground:<br>▪ Bluetooth unit terminal F<br>• 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. |

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| 7 | **VERIFY TROUBLESHOOTING COMPLETED**<br>• Switch the ignition to off.<br>• Reconnect the negative battery cable.<br>• Clear the DTC from the Bluetooth unit memory.<br>(See **CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.)<br>• Perform the Bluetooth unit DTC inspection.<br>(See **DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.)<br>• Is the same DTC present? | Yes | Replace the Bluetooth unit, then go to the next step.<br>(See **Bluetooth UNIT REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 8 | **VERIFY THAT NO OTHER DTCs ARE RECORDED**<br>• Are any DTCs present? | Yes | Go to the applicable DTC inspection.<br>(See **DTC TABLE [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.) |
| | | No | DTC troubleshooting completed. |

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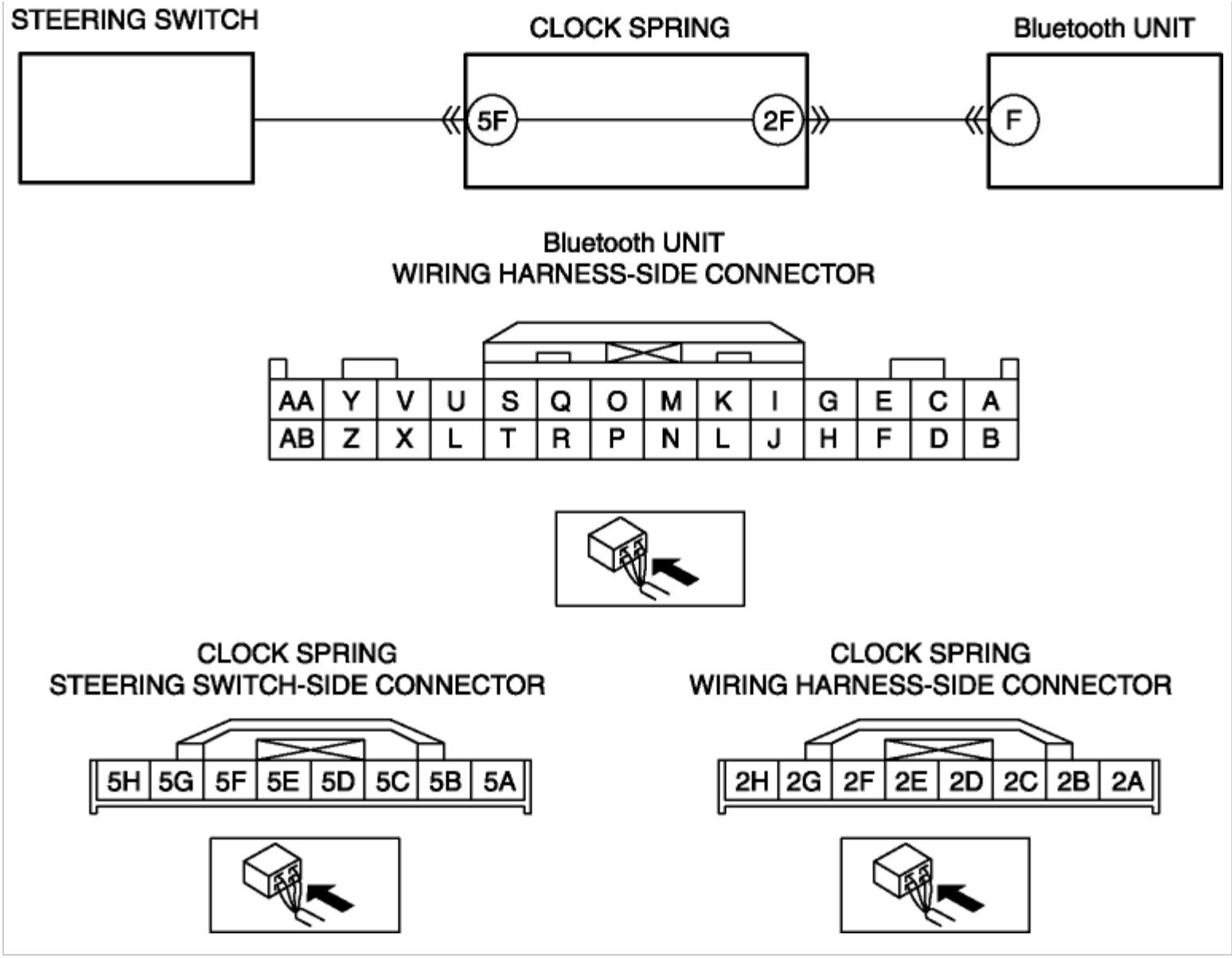
## DTC: 26:Er85, DEVICE CORD 26/ ERROR CORD 85 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]

| | |
|---|---|
| DESCRIPTION | Steering switch circuit malfunction |
| **DETECTION CONDITION** | Steering switch input signal is detected continuously for **2 min or more** |
| **POSSIBLE CAUSE** | • Connector or terminal malfunction<br>• Steering switch malfunction<br>• Clock spring malfunction<br>• Short to ground in wiring harness between the following terminals:<br>  ▪ Clock spring terminal 5F and Bluetooth unit terminal F<br>• Bluetooth unit malfunction |




**Diagnostic Procedure**

| Step | Inspection | | Action |
|---|---|---|---|
| 1 | **INSPECT STEERING SWITCH CONNECTOR CONDITION**<br>• Switch the ignition to off.<br>• Disconnect the negative battery cable.<br>• Disconnect the steering switch connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |

| | | | |
|---|---|---|---|
| 2 | **INSPECT CLOCK SPRING CONNECTOR CONDITION**<br>• Disconnect the clock spring connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |
| 3 | **INSPECT Bluetooth UNIT CONNECTOR CONDITION**<br>• Disconnect the Bluetooth unit connector.<br>• Inspect the connector for poor connection (such as damaged/pulled-out pins, and corrosion).<br>• Is there any malfunction? | Yes | Repair or replace the connector or terminal, then go to Step 7. |
| | | No | Go to the next step. |
| 4 | **INSPECT STEERING SWITCH**<br>• Inspect the steering switch.<br>(See **STEERING SWITCH INSPECTION**.)<br>• Is there any malfunction? | Yes | Replace the steering switch, then go to Step 7.<br>(See **STEERING SWITCH REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 5 | **INSPECT CLOCK SPRING**<br>• Inspect the crock spring.<br>(See **CLOCK SPRING INSPECTION**.)<br>• Is there any malfunction? | Yes | Replace the crock spring, then go to Step 7.<br>(See **CLOCK SPRING REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 6 | **INSPECT STEERING SWITCH INPUT CIRCUIT FOR SHORT TO GROUND**<br>• Make sure reconnect the disconnected connectors.<br>• Inspect for continuity between the following terminals (wiring harness-side) and body ground:<br>▪ Bluetooth unit terminal F<br>• 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. |

| | | | |
|---|---|---|---|
| 7 | **VERIFY TROUBLESHOOTING COMPLETED**<br>• Switch the ignition to off.<br>• Reconnect the negative battery cable.<br>• Clear the DTC from the Bluetooth unit memory.<br>(See **CLEARING DTC [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.)<br>• Perform the Bluetooth unit DTC inspection.<br>(See **DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.)<br>• Is the same DTC present? | Yes | Replace the Bluetooth unit, then go to the next step.<br>(See **Bluetooth UNIT REMOVAL/ INSTALLATION**.) |
| | | No | Go to the next step. |
| 8 | **VERIFY THAT NO OTHER DTCs ARE RECORDED**<br>• Are any DTCs present? | Yes | Go to the applicable DTC inspection.<br>(See **DTC TABLE [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/ TEL) SYSTEM)]**.) |
| | | No | DTC troubleshooting completed. |

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