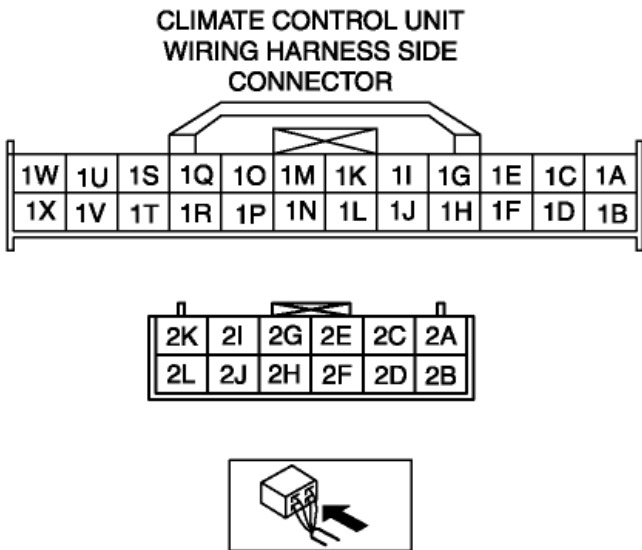
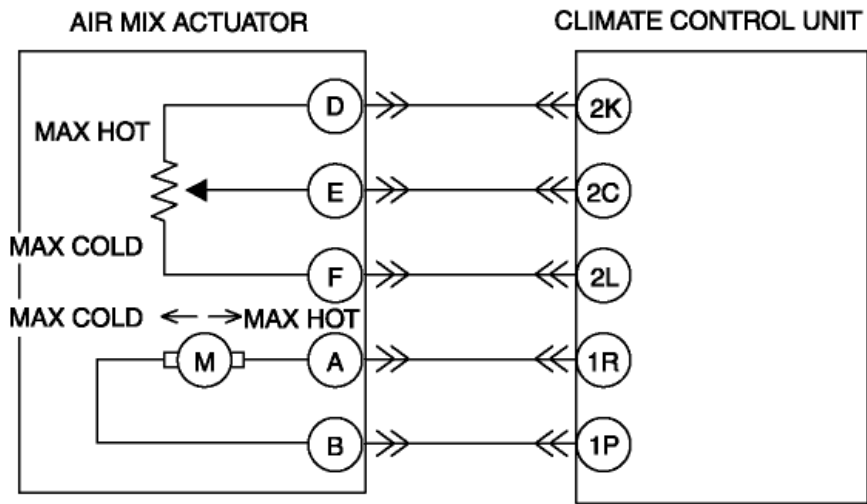


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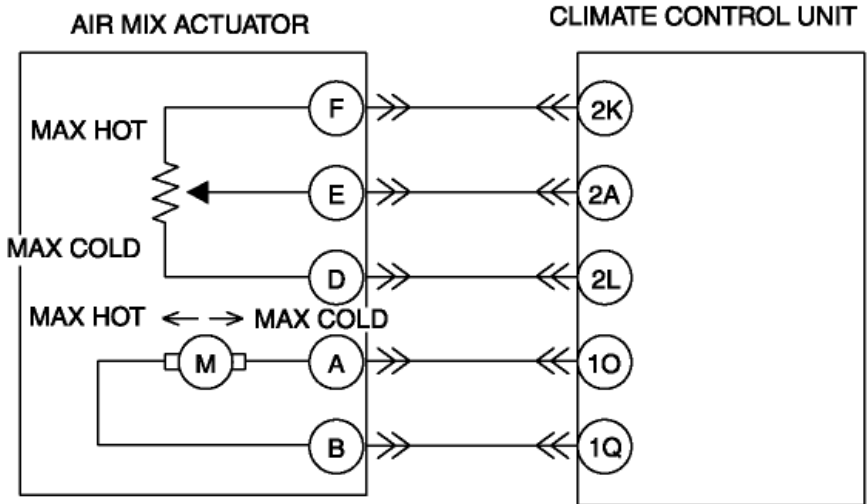
DTC B1C1A:11, B1C1A:13, B1C1B:11, B1C1B:13

|                |                                                                                                                                                                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DTC B1C1A:11   | Driver-side air mix actuator (potentiometer) circuit short to ground                                                                                                                                                                                                                                                                |
| DTC B1C1A:13   | Driver-side air mix actuator (potentiometer) circuit open                                                                                                                                                                                                                                                                           |
| DTC B1C1B:11   | Passenger-side air mix actuator (potentiometer) circuit short to ground                                                                                                                                                                                                                                                             |
| DTC B1C1B:13   | Passenger-side air mix actuator (potentiometer) circuit open                                                                                                                                                                                                                                                                        |
| POSSIBLE CAUSE | <ul style="list-style-type: none"><li>• Air mix actuator connector malfunction</li><li>• Air mix actuator malfunction</li><li>• Open or short circuit in wiring harness between climate control unit and air mix actuator</li><li>• Climate control unit connector malfunction</li><li>• Climate control unit malfunction</li></ul> |
|                |                                                                                                                                                                                                                                                                                                                                     |

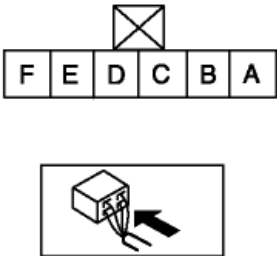
DRIVER-SIDE



PASSENGER-SIDE



**AIR MIX ACTUATOR WIRING HARNESS SIDE CONNECTOR**



Diagnostic procedure

| STEP | INSPECTION                                                                                                                                                                                                                                                                                                                                                  | ACTION                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>INSPECT AIR MIX ACTUATOR CONNECTOR</b> <ul style="list-style-type: none"><li>Switch the ignition to off.</li><li>Disconnect the negative battery cable.</li><li>Disconnect the air mix actuator connector.</li><li>Inspect the connector and terminals (corrosion, damage, pin disconnection).</li><li>Are the connector and terminals normal?</li></ul> | YesGo to the next step.                                                                                                                                |
|      |                                                                                                                                                                                                                                                                                                                                                             | No Repair/replace the connector or terminal.<br>After repair procedure, go to the next step.                                                           |
| 2    | <b>INSPECT AIR MIX ACTUATOR</b> <ul style="list-style-type: none"><li>Inspect the air mix actuator.</li></ul> (See <a href="#">AIR MIX ACTUATOR INSPECTION [FULL-AUTO AIR CONDITIONER]</a> .) <ul style="list-style-type: none"><li>Is it normal?</li></ul>                                                                                                 | YesGo to the next step.                                                                                                                                |
|      |                                                                                                                                                                                                                                                                                                                                                             | No Replace the air mix actuator.<br>(See <a href="#">AIR MIX ACTUATOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]</a> .)<br>Go to the next step. |
| 3    | <b>INSPECT AIR MIX ACTUATOR</b>                                                                                                                                                                                                                                                                                                                             | YesRepair the wiring harness.                                                                                                                          |

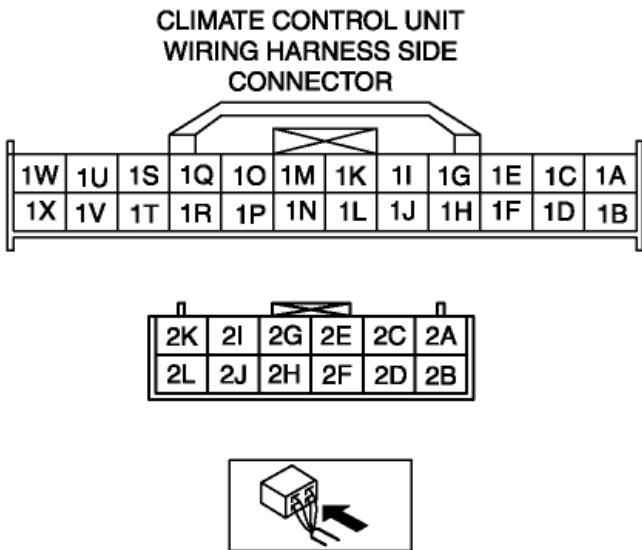
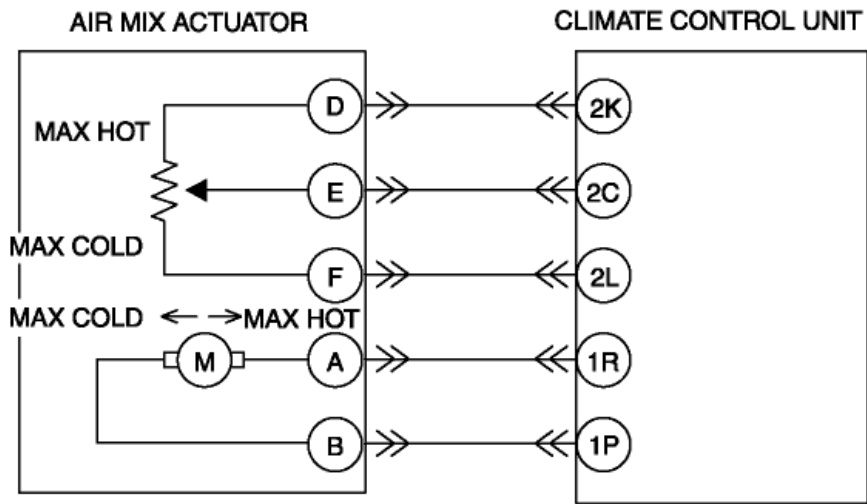
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <b>(POTENTIOMETER) CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>Disconnect the climate control unit connector and the air mix actuator connector.</li> <li>Is there an open circuit in the wiring harness between the following terminals of the climate control unit and the air mix actuator? <ul style="list-style-type: none"> <li><b>Driver-side</b> <ul style="list-style-type: none"> <li>2K—D</li> <li>2C—E</li> <li>2L—F</li> </ul> </li> <li><b>Passenger-side</b> <ul style="list-style-type: none"> <li>2K—F</li> <li>2A—E</li> <li>2L—D</li> </ul> </li> </ul> </li> </ul> | Go to the next step.                                                                                                                                                                                                                                                                                                                           |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Go to the next step.                                                                                                                                                                                                                                                                                                                        |
| 4 | <b>INSPECT AIR MIX ACTUATOR (POTENTIOMETER) SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>Is there a short circuit to ground in the wiring harness between the following terminals of the climate control unit terminal and air mix actuator terminal? <ul style="list-style-type: none"> <li><b>Driver-side</b> <ul style="list-style-type: none"> <li>2C—E</li> </ul> </li> <li><b>Passenger-side</b> <ul style="list-style-type: none"> <li>2A—E</li> </ul> </li> </ul> </li> </ul>                                                                                                            | Yes Repair/replace the malfunctioning vehicle wiring harness.<br>After repair procedure, go to the next step.                                                                                                                                                                                                                                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No The system is normal at present.<br>Go to the next step.                                                                                                                                                                                                                                                                                    |
| 5 | <b>VERIFY CLIMATE CONTROL UNIT CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>Inspect the connector and terminals (corrosion, damage, pin disconnection).</li> <li>Are the connector and terminals normal?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          | Yes Go to the next step.                                                                                                                                                                                                                                                                                                                       |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Repair/replace the malfunctioning vehicle wiring harness, connector, or terminal.<br>After repair procedure, go to the next step.                                                                                                                                                                                                           |
| 6 | <b>VERIFY THAT SAME DTC IS NOT OUTPUT AGAIN</b> <ul style="list-style-type: none"> <li>Reconnect the disconnected connectors.</li> <li>Clear the past malfunction from memory.</li> <li>Verify DTCs.</li> <li>Is DTC B1C1A:11, B1C1A:13, B1C1B:11, B1C1B:13 output?</li> </ul>                                                                                                                                                                                                                                                                                                                                 | Yes Repeat the inspection from Step 1. <ul style="list-style-type: none"> <li>If the malfunction does not recur, go to the next step.</li> <li>If the malfunction recurs, replace the climate control unit. (See <a href="#">CLIMATE CONTROL UNIT REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]</a>.) then go to the next step.</li> </ul> |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Go to the next step.                                                                                                                                                                                                                                                                                                                        |
| 7 | <b>VERIFY THAT NO OTHER DTCs ARE PRESENT</b> <ul style="list-style-type: none"> <li>Verify other DTCs displayed.</li> <li>Are any other DTCs output?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes Perform the corresponding DTC inspection.                                                                                                                                                                                                                                                                                                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No DTC troubleshooting completed.                                                                                                                                                                                                                                                                                                              |

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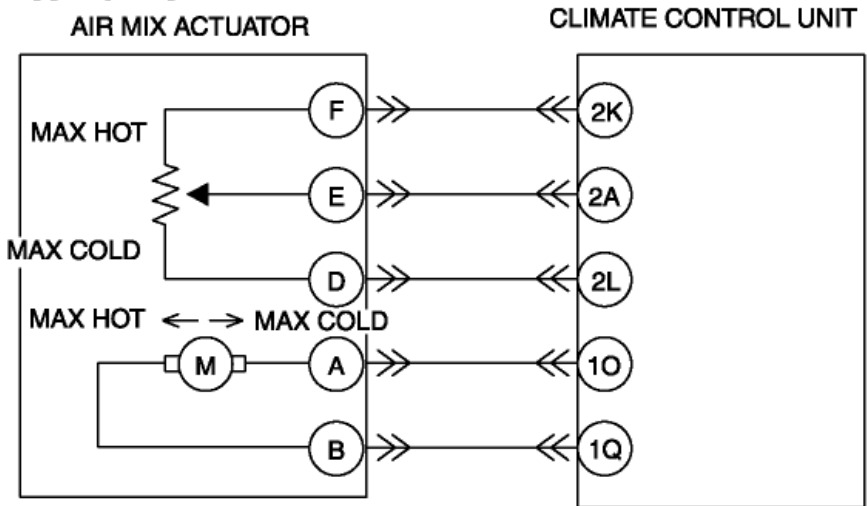
DTC B1C1A:11, B1C1A:13, B1C1B:11, B1C1B:13

|                |                                                                                                                                                                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DTC B1C1A:11   | Driver-side air mix actuator (potentiometer) circuit short to ground                                                                                                                                                                                                                                                                |
| DTC B1C1A:13   | Driver-side air mix actuator (potentiometer) circuit open                                                                                                                                                                                                                                                                           |
| DTC B1C1B:11   | Passenger-side air mix actuator (potentiometer) circuit short to ground                                                                                                                                                                                                                                                             |
| DTC B1C1B:13   | Passenger-side air mix actuator (potentiometer) circuit open                                                                                                                                                                                                                                                                        |
| POSSIBLE CAUSE | <ul style="list-style-type: none"><li>• Air mix actuator connector malfunction</li><li>• Air mix actuator malfunction</li><li>• Open or short circuit in wiring harness between climate control unit and air mix actuator</li><li>• Climate control unit connector malfunction</li><li>• Climate control unit malfunction</li></ul> |
|                |                                                                                                                                                                                                                                                                                                                                     |

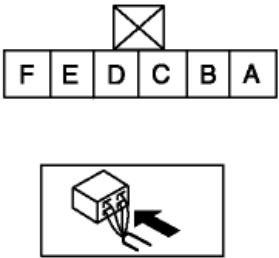
DRIVER-SIDE



PASSENGER-SIDE



AIR MIX ACTUATOR WIRING  
HARNESS SIDE CONNECTOR



Diagnostic procedure

| STEP | INSPECTION                                                                                                                                                                                                                                                                                                                                                  | ACTION                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>INSPECT AIR MIX ACTUATOR CONNECTOR</b> <ul style="list-style-type: none"><li>Switch the ignition to off.</li><li>Disconnect the negative battery cable.</li><li>Disconnect the air mix actuator connector.</li><li>Inspect the connector and terminals (corrosion, damage, pin disconnection).</li><li>Are the connector and terminals normal?</li></ul> | YesGo to the next step.                                                                                                                                |
|      |                                                                                                                                                                                                                                                                                                                                                             | No Repair/replace the connector or terminal.<br>After repair procedure, go to the next step.                                                           |
| 2    | <b>INSPECT AIR MIX ACTUATOR</b> <ul style="list-style-type: none"><li>Inspect the air mix actuator.</li></ul> (See <a href="#">AIR MIX ACTUATOR INSPECTION [FULL-AUTO AIR CONDITIONER]</a> .) <ul style="list-style-type: none"><li>Is it normal?</li></ul>                                                                                                 | YesGo to the next step.                                                                                                                                |
|      |                                                                                                                                                                                                                                                                                                                                                             | No Replace the air mix actuator.<br>(See <a href="#">AIR MIX ACTUATOR REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]</a> .)<br>Go to the next step. |
| 3    | <b>INSPECT AIR MIX ACTUATOR</b>                                                                                                                                                                                                                                                                                                                             | YesRepair the wiring harness.                                                                                                                          |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <b>(POTENTIOMETER) CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>Disconnect the climate control unit connector and the air mix actuator connector.</li> <li>Is there an open circuit in the wiring harness between the following terminals of the climate control unit and the air mix actuator? <ul style="list-style-type: none"> <li><b>Driver-side</b> <ul style="list-style-type: none"> <li>2K—D</li> <li>2C—E</li> <li>2L—F</li> </ul> </li> <li><b>Passenger-side</b> <ul style="list-style-type: none"> <li>2K—F</li> <li>2A—E</li> <li>2L—D</li> </ul> </li> </ul> </li> </ul> | Go to the next step.                                                                                                                                                                                                                                                                                                                           |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Go to the next step.                                                                                                                                                                                                                                                                                                                        |
| 4 | <b>INSPECT AIR MIX ACTUATOR (POTENTIOMETER) SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>Is there a short circuit to ground in the wiring harness between the following terminals of the climate control unit terminal and air mix actuator terminal? <ul style="list-style-type: none"> <li><b>Driver-side</b> <ul style="list-style-type: none"> <li>2C—E</li> </ul> </li> <li><b>Passenger-side</b> <ul style="list-style-type: none"> <li>2A—E</li> </ul> </li> </ul> </li> </ul>                                                                                                            | Yes Repair/replace the malfunctioning vehicle wiring harness.<br>After repair procedure, go to the next step.                                                                                                                                                                                                                                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No The system is normal at present.<br>Go to the next step.                                                                                                                                                                                                                                                                                    |
| 5 | <b>VERIFY CLIMATE CONTROL UNIT CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>Inspect the connector and terminals (corrosion, damage, pin disconnection).</li> <li>Are the connector and terminals normal?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          | Yes Go to the next step.                                                                                                                                                                                                                                                                                                                       |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Repair/replace the malfunctioning vehicle wiring harness, connector, or terminal.<br>After repair procedure, go to the next step.                                                                                                                                                                                                           |
| 6 | <b>VERIFY THAT SAME DTC IS NOT OUTPUT AGAIN</b> <ul style="list-style-type: none"> <li>Reconnect the disconnected connectors.</li> <li>Clear the past malfunction from memory.</li> <li>Verify DTCs.</li> <li>Is DTC B1C1A:11, B1C1A:13, B1C1B:11, B1C1B:13 output?</li> </ul>                                                                                                                                                                                                                                                                                                                                 | Yes Repeat the inspection from Step 1. <ul style="list-style-type: none"> <li>If the malfunction does not recur, go to the next step.</li> <li>If the malfunction recurs, replace the climate control unit. (See <a href="#">CLIMATE CONTROL UNIT REMOVAL/ INSTALLATION [FULL-AUTO AIR CONDITIONER]</a>.) then go to the next step.</li> </ul> |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Go to the next step.                                                                                                                                                                                                                                                                                                                        |
| 7 | <b>VERIFY THAT NO OTHER DTCs ARE PRESENT</b> <ul style="list-style-type: none"> <li>Verify other DTCs displayed.</li> <li>Are any other DTCs output?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes Perform the corresponding DTC inspection.                                                                                                                                                                                                                                                                                                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No DTC troubleshooting completed.                                                                                                                                                                                                                                                                                                              |