

## 2012 - Mazda6 - Body and Accessories

### DTC U2100:00 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

|                            |                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DETECTION CONDITION</b> | Configuration is not completed                                                                                                                      |
| <b>POSSIBLE CAUSE</b>      | <ul style="list-style-type: none"><li>• Keyless control module configuration not implemented</li><li>• Keyless control module malfunction</li></ul> |

#### Diagnostic Procedure

| Step | Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Action                                                                                                                                                                                                          |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>PERFORM KEYLESS CONTROL MODULE CONFIGURATION</b> <ul style="list-style-type: none"><li>• Perform the keyless control module configuration using the M-MDS.<br/>(See <a href="#">KEYLESS CONTROL MODULE CONFIGURATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li><li>• Clear the DTC from keyless control module memory using the M-MDS.<br/>(See <a href="#">CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li><li>• Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS.<br/>(See <a href="#">DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li><li>• Is the same DTC present?</li></ul> | Yes Perform the keyless control module configuration again, then go to the next step.<br><br>(See <a href="#">KEYLESS CONTROL MODULE CONFIGURATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .) |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No Go to Step 3.                                                                                                                                                                                                |
| 2    | <b>VERIFY TROUBLESHOOTING COMPLETED</b> <ul style="list-style-type: none"><li>• Clear the DTC from keyless control module memory using the M-MDS.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes Replace the keyless control module, then go to the next step.<br><br>(See <a href="#">KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS</a>                                                    |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                                                                            |
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|   | <p>(See <b>CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .)</p> <ul style="list-style-type: none"><li>• Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS.</li></ul> <p>(See <b>DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .)</p> <ul style="list-style-type: none"><li>• Is the same DTC present?</li></ul> |     | <b>ENTRY AND PUSH BUTTON START SYSTEM] .)</b>                                                                              |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                  | No  | Go to the next step.                                                                                                       |
| 3 | <p><b>VERIFY THAT NO OTHER DTCs ARE PRESENT</b></p> <ul style="list-style-type: none"><li>• Are any DTCs present?</li></ul>                                                                                                                                                                                                                                                                                      | Yes | Go to the applicable DTC inspection.<br><br>(See <b>DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .) |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                  | No  | DTC troubleshooting completed.                                                                                             |

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| <b>DETECTION CONDITION</b> | Configuration is not completed                                                                                                                         |
| <b>POSSIBLE CAUSE</b>      | <ul style="list-style-type: none"> <li>• Keyless control module configuration not implemented</li> <li>• Keyless control module malfunction</li> </ul> |

#### Diagnostic Procedure

| Step | Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Action                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>PERFORM KEYLESS CONTROL MODULE CONFIGURATION</b> <ul style="list-style-type: none"> <li>• Perform the keyless control module configuration using the M-MDS.<br/>(See <a href="#">KEYLESS CONTROL MODULE CONFIGURATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li> <li>• Clear the DTC from keyless control module memory using the M-MDS.<br/>(See <a href="#">CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li> <li>• Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS.<br/>(See <a href="#">DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .)</li> <li>• Is the same DTC present?</li> </ul> | Yes Perform the keyless control module configuration again, then go to the next step.<br><br>(See <a href="#">KEYLESS CONTROL MODULE CONFIGURATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</a> .) |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No Go to Step 3.                                                                                                                                                                                                |
| 2    | <b>VERIFY TROUBLESHOOTING COMPLETED</b> <ul style="list-style-type: none"> <li>• Clear the DTC from keyless control module memory using the M-MDS.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes Replace the keyless control module, then go to the next step.<br><br>(See <a href="#">KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS</a>                                                    |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                                                                            |
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|   | <p>(See <b>CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .)</p> <ul style="list-style-type: none"><li>• Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS.</li></ul> <p>(See <b>DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .)</p> <ul style="list-style-type: none"><li>• Is the same DTC present?</li></ul> |     | <b>ENTRY AND PUSH BUTTON START SYSTEM] .)</b>                                                                              |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                  | No  | Go to the next step.                                                                                                       |
| 3 | <p><b>VERIFY THAT NO OTHER DTCs ARE PRESENT</b></p> <ul style="list-style-type: none"><li>• Are any DTCs present?</li></ul>                                                                                                                                                                                                                                                                                      | Yes | Go to the applicable DTC inspection.<br><br>(See <b>DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]</b> .) |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                  | No  | DTC troubleshooting completed.                                                                                             |