

**DTC U3000:41 [SKYACTIV-D 2.2]**

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<b>DTC U3000:41</b>	<b>PCM processor error</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"><li>• The following conditions are met:<ul style="list-style-type: none"><li>— Switch the ignition ON (engine off).</li><li>— Data related to the immobilizer system fails to write to the non-volatile memory in the PCM.</li><li>— The code related to the immobilizer system stored in the non-volatile memory cannot be read normally.</li></ul></li></ul> <b>Diagnostic support note</b> <ul style="list-style-type: none"><li>• This is a continuous monitor (other).</li><li>• The check engine light does not illuminate.</li><li>• FREEZE FRAME DATA (Mode 2)/Snapshot data is not available.</li><li>• DTC is not stored in the PCM memory.</li></ul>
<b>FAIL-SAFE FUNCTION</b>	Not applicable
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Error in non-volatile memory in PCM (error in non-volatile memory related to immobilizer system in PCM)</li></ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

**Diagnostic Procedure**

<b>STEP</b>	<b>INSPECTION</b>	<b>ACTION</b>
1	<b>VERIFY RELATED SERVICE INFORMATION AVAILABILITY</b> <ul style="list-style-type: none"><li>• Verify related Service Information availability.</li><li>• Is any related Service Information available?</li></ul>	Yes Perform repair or diagnosis according to the available Service Information. <ul style="list-style-type: none"><li>• If the vehicle is not repaired, go to the next step.</li></ul>
		No Go to the next step.
2	<b>VERIFY PCM DTC</b> <ul style="list-style-type: none"><li>• Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)</li><li>• Perform the DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)</li><li>• Is the same DTC present?</li></ul>	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No Go to the next step.
3	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"><li>• Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)</li><li>• Are any DTCs present?</li></ul>	Yes Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No DTC troubleshooting completed.