

**DTC P0607:00 [SKYACTIV-G 2.0]**

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| <b>DTC<br/>P0607:00</b>              | <b>Control module performance problem</b>  |
| <b>DETECTION<br/>CONDITION</b>       | <ul style="list-style-type: none"><li>• PCM internal malfunction.</li></ul> <b>Diagnostic support note</b> <ul style="list-style-type: none"><li>• This is a continuous monitor (CCM).</li><li>• The check engine light illuminates if the PCM detects the above malfunction condition during the first drive cycle.</li><li>• FREEZE FRAME DATA (Mode 2)/Snapshot data is not available.</li><li>• The DTC is stored in the PCM memory.</li></ul> |
| <b>FAIL-SAFE<br/>FUNCTION</b>        | —  |
| <b>POSSIBLE<br/>CAUSE</b>            | <ul style="list-style-type: none"><li>• PCM internal malfunction</li></ul>   |
| <b>SYSTEM<br/>WIRING<br/>DIAGRAM</b> | —  |

**Diagnostic Procedure**

| <b>STEP</b> | <b>INSPECTION</b>  | <b>ACTION</b>  |
|-------------|--|--|
| 1           | <b>VERIFY FREEZE FRAME DATA (MODE 2)/<br/>SNAPSHOT DATA HAS BEEN RECORDED</b> <ul style="list-style-type: none"><li>• Has the FREEZE FRAME DATA (Mode 2)/<br/>snapshot data been recorded?</li></ul>   | Yes<br>Go to the next step.  |
|             |  | No<br>Record the FREEZE FRAME DATA (Mode 2)/snapshot data<br>on the repair order, then go to the next step.  |
| 2           | <b>VERIFY RELATED SERVICE INFORMATION<br/>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<br>Perform repair or diagnosis according to the available<br>Service Information. <ul style="list-style-type: none"><li>• If the vehicle is not repaired, go to the next step.</li></ul> |
|             |  | No<br>Go to the next step.   |
| 3           | <b>VERIFY DTC TROUBLESHOOTING<br/>COMPLETED</b> <ul style="list-style-type: none"><li>• Clear the DTC from the PCM memory using the<br/>M-MDS.<br/>(See AFTER REPAIR PROCEDURE<br/>[SKYACTIV-G 2.0].)</li><li>• Perform the KOEO or KOER self test.<br/>(See KOEO/KOER SELF TEST [SKYACTIV-G<br/>2.0].)</li><li>• Is the same DTC present?</li></ul> | Yes<br>Replace the PCM, then go to the next step.<br>(See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)  |
|             |  | No<br>Go to the next step.   |
| 4           | <b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"><li>• Perform the "AFTER REPAIR PROCEDURE".<br/>(See AFTER REPAIR PROCEDURE<br/>[SKYACTIV-G 2.0].)</li><li>• Are any DTCs present?</li></ul>  | Yes<br>Go to the applicable DTC inspection.<br>(See DTC TABLE [SKYACTIV-G 2.0].)   |
|             |  | No<br>DTC troubleshooting completed.   |