

**Caution**

- Vehicle specifications differ depending on the vehicle identification number (VIN).

- Type A VIN:

- JM0 KE\*\*\*\*\* 100001—

- JM6 KE\*\*\*\*\* 100001—

- JM7 KE\*\*\*\*\* 100001—

- JM8 KE\*\*\*\*\* 100001—

- JMZ KE\*\*\*\*\* 100001—

- KE10\*\* 100001—

- Type B VIN:

- JM0 KE\*\*\*\*\* 200001—

- JM6 KE\*\*\*\*\* 200001—

- JM8 KE\*\*\*\*\* 200001—

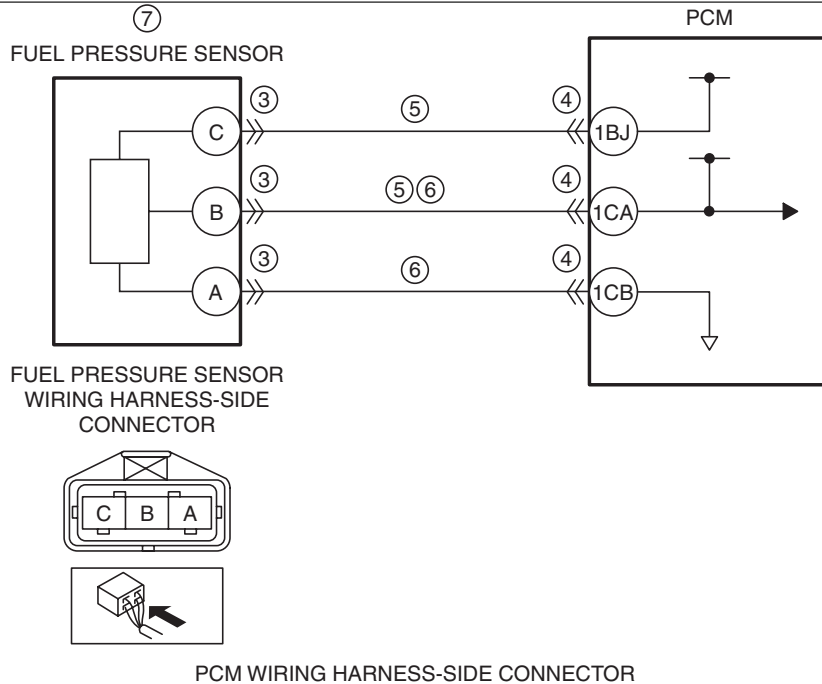
- JMZ KE\*\*\*\*\* 200001—

- KE10\*\* 200001—

DTC P0192:00	Fuel pressure sensor circuit low input
<b>DETECTION CONDITION</b>	<p><b>Type A VIN</b></p> <ul style="list-style-type: none"> <li>• If the input voltage at the PCM terminal 1CA is <b>less than 0.156 V</b> for <b>5 s</b>, the PCM determines that the fuel pressure sensor circuit is low.</li> </ul> <p><b>Type B VIN</b></p> <ul style="list-style-type: none"> <li>• If the input voltage at the PCM terminal 1CA is <b>less than 0.16 V</b> for <b>5 s</b>, the PCM determines that the fuel pressure sensor circuit is low.</li> </ul> <p><b>Diagnostic support note</b></p> <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 available.</li> <li>• DTC is stored in the PCM memory.</li> </ul>
<b>FAIL-SAFE FUNCTION</b>	<ul style="list-style-type: none"> <li>• Stops high pressure fuel pump control</li> <li>• Limits intake air amount</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>• Fuel pressure sensor connector or terminals malfunction</li> <li>• PCM connector or terminals malfunction</li> <li>• Short to ground in wiring harness between the following terminals: <ul style="list-style-type: none"> <li>— Fuel pressure sensor terminal C—PCM terminal 1BJ</li> <li>— Fuel pressure sensor terminal B—PCM terminal 1CA</li> </ul> </li> <li>• Fuel pressure sensor signal circuit and ground circuit are shorted to each other</li> <li>• Fuel pressure sensor malfunction</li> <li>• PCM malfunction</li> </ul>

**DTC  
P0192:00**

**Fuel pressure sensor circuit low input**



**Diagnostic Procedure**

STEP	INSPECTION		ACTION
1	<b>VERIFY FREEZE FRAME DATA (MODE 2)/SNAPSHOT DATA HAS BEEN RECORDED</b> <ul style="list-style-type: none"><li>Has the FREEZE FRAME DATA (Mode 2)/snapshot data been recorded?</li></ul>	Yes	Go to the next step.
		No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data on the repair order, then go to the next step.
2	<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.
3	<b>INSPECT FUEL PRESSURE SENSOR CONNECTOR CONDITION</b> <ul style="list-style-type: none"><li>Switch the ignition off.</li><li>Disconnect the fuel pressure sensor connector.</li><li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li><li>Is there any malfunction?</li></ul>	Yes	Repair or replace the connector and/or terminals, then go to Step 8.
		No	Go to the next step.
4	<b>INSPECT PCM CONNECTOR CONDITION</b> <ul style="list-style-type: none"><li>Disconnect the PCM connector.</li><li>Inspect for poor connection (such as damaged/pulled-out pins, corrosion).</li><li>Is there any malfunction?</li></ul>	Yes	Repair or replace the connector and/or terminals, then go to Step 8.
		No	Go to the next step.

STEP	INSPECTION	ACTION	
5	<b>INSPECT FUEL PRESSURE SENSOR CIRCUIT FOR SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>• Verify that the fuel pressure sensor and PCM connectors are disconnected.</li> <li>• Inspect for continuity between the following terminals (wiring harness-side) and body ground: <ul style="list-style-type: none"> <li>— Fuel pressure sensor terminal C</li> <li>— Fuel pressure sensor terminal B</li> </ul> </li> <li>• Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
6	<b>INSPECT FUEL PRESSURE SENSOR SIGNAL CIRCUIT AND GROUND CIRCUIT FOR SHORT TO EACH OTHER</b> <ul style="list-style-type: none"> <li>• Verify that the fuel pressure sensor and PCM connectors are disconnected.</li> <li>• Inspect for continuity between fuel pressure sensor terminals B and A (wiring harness-side).</li> <li>• Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness for a possible short to each other, then go to Step 8.
		No	Go to the next step.
7	<b>INSPECT FUEL PRESSURE SENSOR</b> <ul style="list-style-type: none"> <li>• Reconnect all disconnected connectors.</li> <li>• Inspect the fuel pressure sensor. (See FUEL PRESSURE SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>• Is there any malfunction?</li> </ul>	Yes	Replace the fuel distributor, then go to the next step. (See FUEL INJECTOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No	Go to the next step.
8	<b>VERIFY DTC TROUBLESHOOTING COMPLETED</b> <ul style="list-style-type: none"> <li>• Always reconnect all disconnected connectors.</li> <li>• Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>• Start the engine.</li> <li>• Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>• Is the same DTC present?</li> </ul>	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to the next step.
		No	Go to the next step.
9	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"> <li>• Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li> <li>• Are any DTCs present?</li> </ul>	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No	DTC troubleshooting completed.