

## DTC P0102

Step	Action	Values	Yes	No
10	<p>1. Connect a 9-amp fused jumper wire between the signal circuit of the MAF sensor and a good ground. Refer to Diagnostic Aids for Circuit Testing and Wiring Repair procedures.</p> <p>2. Start the engine.</p> <p>Do any additional DTCs set?</p>	---	Go to Step 23	Go to Step 26
11	Is the voltage less than the specified value?	4.5 V	Go to Step 13	Go to Step 15
12	<p><b>Important:</b> The Ignition 1 voltage circuit of the MAF sensor is spliced to other components of the vehicle.</p> <p>Test for continuity between the Ignition 1 voltage circuit of the MAF sensor and ground.</p> <p>Does the DMM indicate continuity?</p>	---	Go to Step 17	Go to Step 26
13	<p>1. Turn OFF the ignition.</p> <p>2. Disconnect the PCM.</p> <p>3. Test the signal circuit between the PCM and the MAF sensor for the following conditions:</p> <ul style="list-style-type: none"> <li>• A high resistance</li> <li>• An open circuit</li> </ul> <p>Does the DMM indicate continuity?</p>	---	Go to Step 14	Go to Step 20
14	<p>Test for continuity from the signal circuit of the MAF sensor to ground.</p> <p>Does the DMM indicate continuity?</p>	---	Go to Step 21	Go to Step 16
15	<p><b>Important:</b> Disconnecting the PCM connectors may eliminate the short to voltage if the signal circuit is shorted to another PCM circuit.</p> <p>1. Turn OFF the ignition.</p> <p>2. Disconnect the PCM.</p> <p>3. Turn ON the Ignition, with the engine OFF.</p> <p>4. Measure the voltage from the signal circuit of the MAF sensor to a good ground.</p> <p>Is the voltage near the specified value?</p>	0 V	Go to Step 16	Go to Step 22
16	<p>Test for continuity at the harness connector of the PCM from the signal circuit of the MAF sensor to all other circuits at both PCM connectors.</p> <p>Does the DMM indicate continuity between any other circuit?</p>	---	Go to Step 24	Go to Step 27
17	<p>1. Repair the short to ground in the Ignition 1 voltage circuit of the MAF sensor.</p> <p>2. Replace the fuse if necessary.</p> <p>Did you complete the repair?</p>	---	Go to Step 30	---
18	<p>Repair the open in the Ignition 1 voltage circuit of the MAF sensor.</p> <p>Did you complete the repair?</p>	---	Go to Step 30	---
19	<p>Repair the high resistance or an open in the ground circuit of the MAF sensor.</p> <p>Did you complete the repair?</p>	---	Go to Step 30	---

Steps 10-19