

## DTC P0102

Step	Action	Values	Yes	No
20	Repair the high resistance or an open in the signal circuit of the MAF sensor. Refer to Diagnostic Aids for Circuit Testing and Wiring Repair procedures. Did you complete the repair?	—	Go to Step 30	—
21	Repair the short to ground in the signal circuit of the MAF sensor. Did you complete the repair?	—	Go to Step 30	—
22	Repair the short to voltage in the signal circuit of the MAF sensor. Did you complete the repair?	—	Go to Step 30	—
23	Repair the short between the signal circuit of the MAF sensor and the circuit for which the DTC set. Did you complete the repair?	—	Go to Step 30	—
24	Repair the circuits that are shorted together. Did you complete the repair?	—	Go to Step 30	—
26	Repair the harness or the connections as needed. Did you complete the repair?	—	Go to Step 30	—
28	Test for an intermittent and for a poor connection at the MAF sensor. Did you find and correct the condition?	—	Go to Step 30	Go to Step 28
27	Test for an intermittent and for a poor connection at the PCM. Did you find and correct the condition?	—	Go to Step 30	Go to Step 29
28	Replace the MAF sensor. Did you complete the replacement?	—	Go to Step 30	—
29	Replace the PCM. Did you complete the replacement?	—	Go to Step 30	—
30	1. Clear the DTCs with a scan tool. 2. Turn OFF the ignition for 30 seconds. 3. Start the engine. 4. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text. Does the DTC run and pass?	—	Go to Step 31	Go to Step 2
31	With a scan tool, observe the stored information, Capture Info. Does the scan tool display any DTCs that you have not diagnosed?	—	Go to Diagnostic Trouble Code (DTC) List	System OK

## Steps 20-31

The numbers below refer to the step numbers on the diagnostic table.

5. This step determines if any mechanical faults have caused this DTC to set.

9. This step verifies the signal circuit from the MAF sensor electrical connector to the PCM. A voltage reading of less than **4 volts** or more than **6 volts** indicates a malfunction in the wiring or a poor connection.

10. This step tests the signal circuit of the MAF sensor for a short to another **5-volt** reference circuit.

16. This step verifies that the signal circuit is not shorted to any other PCM circuit.