DTC P0102

Step	Action	Values	Yes	No
Schem	atic Reference: Engine Controls Schematics	<u></u>		
1	Did you perform the Diagnostic System Check-Computers and Control Systems?		Go to Step 2	Go to Diagnosti System Check Computers and Control Systems
2	Start the engine. Observe the mass air flow (MAF) sensor frequency with a scan tool. Is the MAF sensor frequency less than the	1200 Hz		
	specified value?		Go to Step 4	Go to Step 3
3	Observe the Freeze Frame/Fallure Records data for this DTC. Turn OFF the Ignition for 30 seconds.		l	į
	3. Start the engine.			1
	Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text or as close to the Freeze Frame/Failure Records data that you observed.	 		Go to
	Does the DTC fall this ignition?		Go to Step 4	Diagnostic Aid
4	 Observe the MAF sensor frequency with a scan tool. Move the harness and the connector of the MAF sensor. 			!
	Does the movement of the harness or the connector affect the MAF sensor frequency?		Go to Step 25	Go to Step 5
5	 Turn OFF the ignition. Inspect for the following conditions: A restricted air intake duct A collapsed air intake duct A dirty air filter element A deteriorating air filter element Any objects blocking the air inlet screen of the MAF sensor Any debris on the sensing elements of the MAF sensor Any vacuum leak downstream of the MAF sensor A MAF sensor that is installed backwards A restricted exhaust system Did you find and correct the condition? 		Go to Step 30	Go ta Step 6
6	Inspect the fuse in the ignition 1 voltage circuit of the MAF sensor. Is the fuse open?	quent	Go to Step 12	Go to <i>Step 7</i>
7	Disconnect the harness connector of the MAF sensor. Turn ON the ignition, with the engine OFF. Connect a test tamp between the ignition 1 voltage	Agg and a distribution of the second control of the second contr	, Table 1	
	circuit of the MAF sensor and a good ground. Refer to Diagnostic Aids for Circuit Testing and Wiring Repair procedures. Does the test lamp Illuminate?		Go to Step 8	Go to Step 18
8	Measure the resistance from the ground circuit of the MAF sensor to battery ground. Is the resistance less than the specified value?	5Ω	Go to Step 9	Go to Step 19
9	Measure the voltage from the signal circuit of the MAF sensor to a good ground.	5 V	Co in cish s	we to disp 19
1	Is the voltage near the specified value?		Go to Step 10	Go to Step 11