

DTC	P0101	MASS OR VOLUME AIR FLOW CIRCUIT RANGE/PERFORMANCE PROBLEM
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CIRCUIT DESCRIPTION

Refer to DTCs P0100 on page [05-35](#) .

DTC No.	DTC Detection Condition	Trouble Area
P0101	After engine is warmed up, conditions (a) and (b) continue with more than 10 sec. engine speed less than 900 rpm: (2 trip detection logic) (a) Throttle valve fully closed (b) Mass air flow meter output > 2.2 V	• Mass air flow meter
	Conditions (a) and (b) continue with more than 6 sec. engine speed 0 rpm or more: (2 trip detection logic) (a) VTA \geq 0.1 V (b) Mass air flow meter output < 0.25 V	

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand-held tester or the OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

1	CHECK OTHER DTC OUTPUT(BESIDES DTC P0101)
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(a) Read the DTC using the hand-held tester or the OBD II scan tool.

Result:

Display (DTC output)	Proceed to
P0101 and other DTCs are output	A
Only P0101 is output	B

HINT:

If any other codes besides P0101 is output, perform the troubleshoot on that DTC before.

B

REPLACE MASS AIR FLOW METER

A

GO TO RELEVANT DTC CHART (See page [05-18](#))