

<b>DTC</b>	<b>P0101</b>	<b>MASS OR VOLUME AIR FLOW CIRCUIT RANGE/PERFORMANCE PROBLEM</b>
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## CIRCUIT DESCRIPTION

Refer to DTC P0100 on [page 05-474](#).

DTC No.	DTC Detection Condition	Trouble Area
P0101	After engine is warmed up, condition (a) continues for more than 10 seconds at idling: (2 Trip detection logic) (a) Mass air flow meter output greater than 2.2 V	• Mass air flow meter
	Conditions (a) and (b) continue for more than 6 seconds at engine speed of 2,000 rpm or more: (2 Trip detection logic) (a) VTA greater than 0.1 V (b) Mass air flow meter output less than 0.25 V	

## INSPECTION PROCEDURE

HINT:

Read freeze frame data using the intelligent tester. Freeze frame data record the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, and other data from the time the malfunction occurred.

<b>1</b>	<b>CHECK OTHER DTC OUTPUT (IN ADDITION TO DTC P0101)</b>
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- Connect the intelligent tester to the DLC3.
- Turn the ignition switch to ON and turn the intelligent tester ON.
- Select the following menu items: Powertrain / Engine and ECT / DTC.
- Read DTCs.

**Result:**

Display (DTC Output)	Proceed To
P0101 and other DTCs	A
P0101	B

HINT:

If any DTCs other than P0101 are output, troubleshoot those DTCs first.

**B**

**REPLACE MASS AIR FLOW METER**

**A**

**GO TO RELEVANT DTC CHART (See [page 05-458](#))**