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| 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.

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| 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.

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| B | REPLACE MASS AIR FLOW METER |
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| A |
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| GO TO RELEVANT DTC CHART (See page 05-18) |
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