

DTC	P0101	Mass or Volume Air Flow Circuit Range/ Performance Problem
------------	--------------	---

CIRCUIT DESCRIPTION

Refer to DTC P0100, P0102 and P0103 on page [DI-40](#).

DTC No.	DTC Detecting Condition	Trouble Area
P0101	After engine is warmed up, conditions (a) and (b) continue for more than 10 seconds with 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 for more than 6 seconds with 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 hand-held tester or the OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, this 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	Are there any other codes (besides DTC P0101) being output?
----------	--

NO

Replace mass air flow meter.

YES

Go to relevant DTC chart (See page [DI-24](#)).