DI1LC–05

DTC	P0101/31	Mass Air Flow Circuit Range/Performance Problem

CIRCUIT DESCRIPTION

Refer to DTC P0100/31 (Mass Air Flow Circuit Malfunction) on page DI–26.

DTC No.	DTC Detecting Condition	Trouble Area
P0101/31	After engine is warmed up, conditions (1) and (2) continue with more than 10 sec. engine speed 900 rpm or less: (2 trip detection logic) 1. Throttle valve fully closed 2. Air flow meter output > 2.2 V	• Air flow meter
	Conditions (1) and (2) continue with more than 10 sec. engine speed 1,500 rpm or more: (2 trip detection logic) 1. VTA ≧ 0.63 V 2. Air flow meter output < 1.0 V	

INSPECTION PROCEDURE

HINT:

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

1	Are there any other codes (besides DTC P0101/31) being output?

NO → Replace air flow meter.

YES

Go to relevant DTC chart (See page DI–18).