DTC	P1129/89	ELECTRIC THROTTLE CONTROL SYSTEM MALFUNCTION

CIRCUIT DESCRIPTION

Electric Throttle Control System (ETCS) is composed of the throttle motor to operate the throttle valve, the throttle position sensor to detect the opening angle of the throttle valve, the accelerator pedal position sensor to detect the accelerator pedal position, the ECM to control the ETCS and the one valve type throttle body. The ECM controls the throttle motor to make the throttle valve opening angle properly in response to driving condition. The throttle position sensor which is mounted on the throttle body detects the opening angle of the throttle valve, and it provides feedback to the ECM to control the throttle motor. If the ETCS has a malfunction, the ECM shuts down the power for the throttle motor, and the throttle valve is fully closed by the return spring.

DTC No.	DTC Detection Condition	Trouble Area
P1129/89	Throttle opening angle continues to vary greatly from target throttle opening angle	• Electric throttle control system • ECM

WIRING DIAGRAM

Refer to DTC P1125/41 on page 05–221.

INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand–held tester. Because 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 READ OUTPUT DTC

Display	Type
P1129/89	A
P1129/89 and any other DTC	B

B → **GO TO RELEVANT DTC CHART (See Page 05–145)**

A

2 INSPECT THROTTLE BODY ASSY (See Page 05–211)

NG → **REPLACE THROTTLE BODY ASSY (See Page 10–12)**

OK

CHECK AND REPLACE ECM