DI2SJ–02

| DTC | P1129/89* | Electric Throttle Control System Malfunction |

*: ETCS trouble code No. is 32.

CIRCUIT DESCRIPTION

Electric Throttle Control System (ETCS) is composed of the throttle motor to operate the throttle valve, the electromagnetic clutch to connect the throttle motor with 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 englne ECU to control the ETCS and the one valve type throttle body.

The englne ECU controls the throttle motor to make the throttle valve opening angle properly in response 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 englne ECU to control the throttle motor.

If the ETCS has a malfunction, the englne ECU shuts down the power for the throttle motor and the magnetic clutch, and the throttle valve is fully closed by the return spring.

However, the opening angle of the throttle valve can be controlled by the accelerator pedal through the throttle cable.

DTC No.	DTC Detecting Condition	Trouble Area
P1129/89	Throttle opening angle continues to vary great from target throttle opening angle	• Electric throttle control system • Englne ECU

WIRING DIAGRAM

Refer to DTC P1125/89 (Throttle Control Motor Circuit Malfunction) on for the WIRING DIAGRAM.

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 P1129) being output? |

YES > Go to relevant DTC chart (See page DI–15).

NO

Replace englne ECU, and clear DTC. If DTC P1129 is memorized again, and then replace throttle body.