

DTC	P1128/89*	Throttle Control Motor Lock Malfunction
------------	------------------	--

*: ETCS trouble code No. is 31.

CIRCUIT DESCRIPTION

Throttle motor is operated by the engine ECU and it opens and closes the throttle valve.

The opening angle of the throttle valve is detected by the throttle position sensor which is mounted on the throttle body and it provides feedback to the engine ECU to control the throttle motor in order the throttle valve opening angle properly in response to driving condition.

If this DTC is stored, the engine 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
P1128/89	Lock throttle control motor during control throttle control motor	<ul style="list-style-type: none"> • Throttle control motor • Throttle body • Engine ECU

WIRING DIAGRAM

Refer to DTC P1125/89 on [page DI-107](#).

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	Check throttle control motor (See page FI-34).
----------	---

NG

Replace throttle control motor (See [page FI-36](#)).

OK

2	Visually check throttle valve.
----------	---------------------------------------

PREPARATION:

Remove the intake air duct.

CHECK:

Check whether or not a foreign body is caught between the throttle valve and the housing.

NG

Remove a foreign body and clean throttle body.

OK

Replace throttle body.
