DICTI-01

DTC	P2111[41] Throttle[Actuator[Control[System –Stuck Open	

DTC□	P2112/41	Throttle_Actuator_Control_\$ystem
_		-Stuck Closed

<sup>\*:</sup> TETCS [trouble code No. is 31.

### **CIRCUIT** DESCRIPTION

The hrottle motor is operated by the engine control ECU and it opens and closes the throttle valve using gears. The opening angle of the throttle valve is detected by the throttle position sensor, which is mounted on the throttle body. The throttle position sensor provides feedback to the engine control to throttle motor and set the throttle valve angle in the sensor of throttle throttle valve angle in the sensor of the throttle valve angle of the throttle valve angle of the throttle valve angle of throttle valve of the throttle valve of the throttle valve of the throttle valve of the valve of th

#### HINT:

This Electrical Throttle Control System (ETCS) does not use a throttle cable.

DTC[No.	DTC[Detection[Condition	Trouble[ <b>A</b> rea
P2111 <u>[</u> ]41	Throttle[motor[]ocked[during[]engine[]control[]ECU[]order[]ocked[]ogic)	■Throttle@ontrol@notor@and@ensor@ircuit  ■Throttle@ontrol@notor@and@ensor
P211 <u>2</u> /41	ThrottlemotorlockedduringlenginecontrolleCU@rderloppen. (1ரோpdetectionlogic)	■Throttle[body  Throttle[yalve

## MONITOR DESCRIPTION

The projection of the projecti

This monitor runs after the engine is started, and then the accelerator pedal is fully depressed and fully re-leased quickly.

## FAIL SAFE

If the ETCS [Electronic] throttle Control System) that the throttle control system) that the throttle control is to the throttle control is the throttle control control is the throttle control c

If the accelerator pedal is depressed firmly and slowly, the vehicle can be driven slowly.

If a "pass" condition is detected and then the ignition switch is turned OFF, the fail-safe operation will stop and the system will return to normal condition.

#### WIRING DIAGRAM

Refer To DTC P0120 on page DI-63.

## INSPECTION PROCEDURE

#### HINT:

Display[[DTC[]output)	Proceed[ <u>f</u> lo
P2111[pr[P2112]	Α
P2111[pr[P2112]and[other[DTCs	В

B
| Go[to[relevant[DTC[chart (See[page[DI-19])

A

2□

Check[throttle[body[assy[(Visually[check[throttle[valve)

Check flor contamination between the florottle valve and the florosing. If the cessary, clean the florottle body. Also, check float florottle valve florosis moothly.

NG

Replace throttle body assy (See Pub. No. RM630E, page FI-42)

ОК

# 3 Check DTC output

- (a) Clear the DTC.
- (b) Start the engine and fully depress/fully release the accelerator pedal quickly fully open/fully close the throttle valve).
- (c) Read DTC.

Display[[DTC[output]	Proceed∄o
No[DTC	Α
P2111[pr[P211[2]	В

В□

Replace engine control ECU (See Pub. No. RM630E, page FI-74)

OK

 $Check \cite{condition} intermittent \cite{condition} problem \cite{condition} (See \cite{condition} page \cite{condition} DI-3)$