

DTC	P2121	Throttle/Pedal Position Sensor/Switch "D" Circuit Range/Performance
------------	--------------	--

CIRCUIT DESCRIPTION

Refer to DTC P2120 on page [DI-215](#).

DTC No.	DTC Detecting Condition	Trouble Area
P2121	Condition (a) continues for 0.5 seconds: (a) Difference between VPA and VPA2 is out of threshold	• Accelerator pedal position sensor

INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand-held tester or the OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting this 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	Check any other DTCs output (In addition to DTC P2121)
----------	---

PREPARATION:

- Connect the hand-held tester to the CAN VIM. Then connect the CAN VIM to the DLC3.
- Turn the ignition switch ON.
- Turn the tester ON.
- Enter the following menus: DIAGNOSIS / ENHANCED OBD II / DTC INFO / CURRENT CODES.

CHECK:

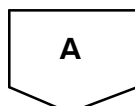
Read DTCs.

Result:

Display (DTC Output)	Proceed to
P2121	A
P2121 and other DTCs	B

HINT:

If any DTCs other than P2121 are output, troubleshoot those DTCs first.



2	Replace accelerator pedal assembly
----------	---

- Replace accelerator pedal assembly (see page [SF-58](#)).



3	Check whether DTC output recurs (DTC P2121)
---	---

PREPARATION:

- (a) Connect the hand-held tester to the CAN VIM. Then connect the CAN VIM to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Turn the tester.
- (d) Clear DTCs (see page [DI-3](#)).
- (e) Allow the engine to idle for a minute.
- (f) Rev up the engine several times.
- (g) Enter the following menus: DIAGNOSIS / ENHANCED OBD II / DTC INFO / CURRENT CODES.

CHECK:

Read DTCs.

Result:

Display (DTC Output)	Proceed to
P2121	A
No output	B

B**Check for intermittent problems****A****Replace ECM (See page [SF-60](#))**