

## DTC P3101 ENGINE SYSTEM MALFUNCTION CIRCUIT DESCRIPTION

The HV ECU performs the fail safe control, when the ECM detects an error which will affect THS control.

### HINT:

- When using an OBD II scan tool other than TOYOTA hand-held tester, check all the steps.
- When using TOYOTA hand-held tester, confirm the information code and check it

INF. Code.	Detecting Condition	Trouble Area
204	Input of abnormal signal from the ECM (abnormal engine output)	• Engine
205	Input of abnormal signal from the ECM (engine unable to start)	

## DTC P3191 ENGINE DOSE NOT START 1 CIRCUIT DESCRIPTION

INF. Code.	Detecting Condition	Trouble Area
204	Input of abnormal signal from the ECM (abnormal engine output)	• Engine
205	Input of abnormal signal from the ECM (engine unable to start)	

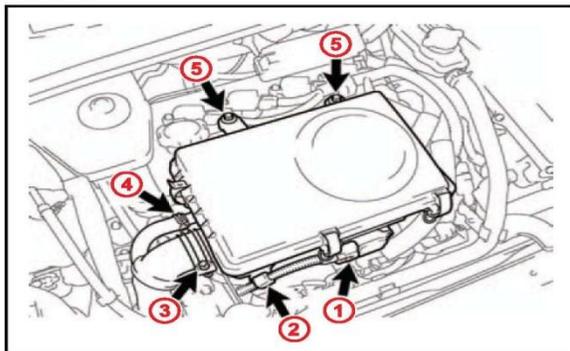
### DTC Detecting Condition

What I have learned, is to clean out the throttle body. If your a DIY person you could try and clean it. **BUT, be careful.**

Here is some info. When your done the codes need to be cleared and the restart and see if code comes back.

### Repair Procedure 1: Clean Throttle Body

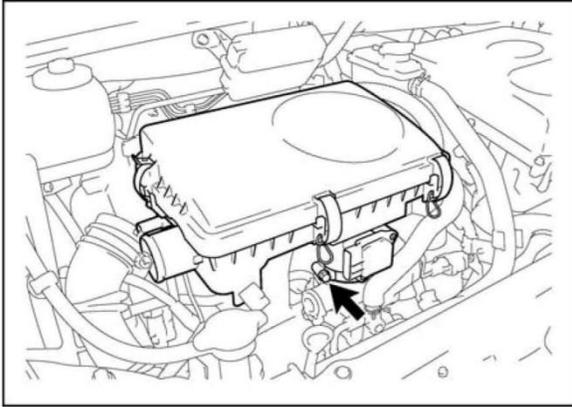
Figure 3.



1	Connector
2	Clamp
3	No. 1 Air Cleaner Inlet
4	Ventilation Hose
5	Bolt

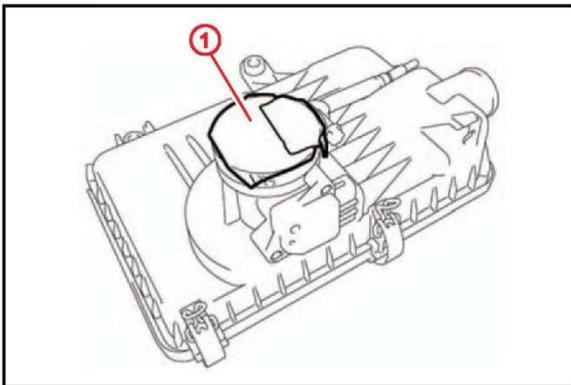
1. Remove the air cleaner assembly.
  - A. Disconnect the connector and clamp.
  - B. Disconnect the No. 1 air cleaner inlet and ventilation hose from the air cleaner assembly.
  - C. Remove the 2 bolts.

**Figure 4.**



- D. Loosen the clamp and remove the air cleaner assembly.

**Figure 5.**

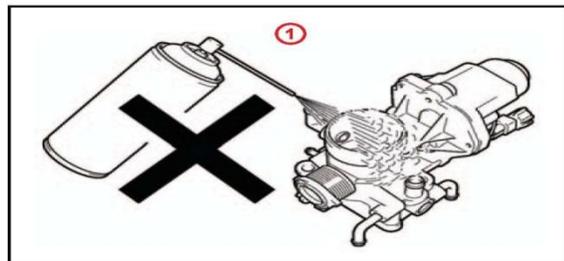


<b>1</b>	<b>Protective Tape</b>
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**NOTICE**

- **DO NOT** remove the throttle body.
- **DO NOT** spray Throttle Plate Cleaner (P/N 00289-1TP00) directly into the throttle body. The solution can carry contamination through the throttle shaft causing damage to the throttle motor assembly or throttle position sensor.
- To prevent tearing, use a heavy duty paper towel or cloth to clean the throttle body assembly.

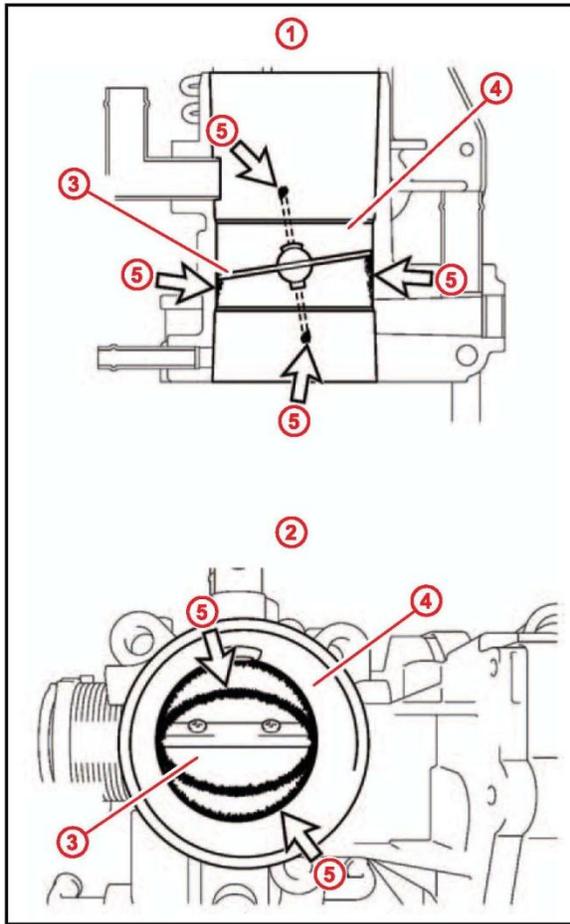
**Figure 6.**



<b>1</b>	<b>Do NOT Spray Directly into Throttle Body</b>
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- E. Place protective tape over the air cleaner assembly's opening to protect the MAF sensor from foreign objects.

Figure 7.



1	Cleaning Area Cross-Section
2	Cleaning Area Overview (Valve Completely Open)
3	Throttle Valve
4	Bore
5	Carbon Deposit

2. Clean carbon from the throttle body assembly.

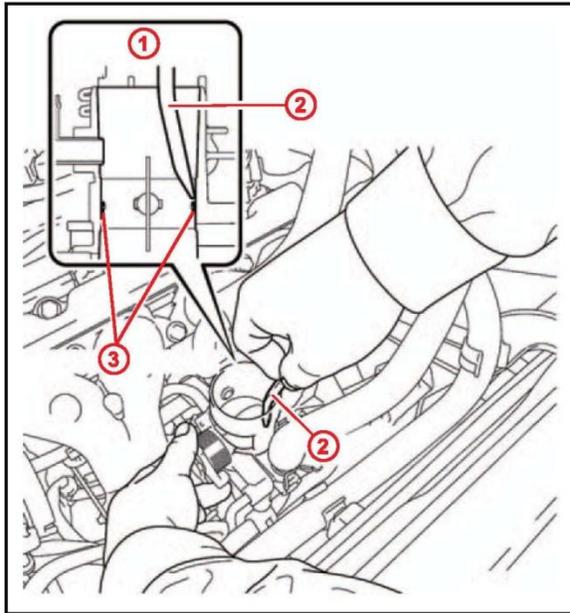
A. Using your hand rotate the link and completely open the throttle valve.

B. While holding the throttle valve open clean carbon deposits on the throttle valve and bore using a towel covered in Throttle Plate Cleaner.

**CAUTION** Be careful NOT to catch your fingers or towel on the throttle valve.

**NOTICE** DO NOT allow foreign objects to fall into the intake manifold.

**Figure 8.**



<b>1</b>	<b>Cross-Section</b>
<b>2</b>	<b>Plastic Panel Removal Tool</b>
<b>3</b>	<b>Carbon Deposit</b>

C. If necessary use a plastic panel removal tool to remove any carbon deposits that could not be removed by wiping.  
NOTICE Be careful NOT to damage the inside of the throttle bore or valve.

3. Install the air cleaner assembly.

A. Remove the protective tape.

B. Insert the air cleaner assembly onto the throttle body assembly and tighten the clamp.

C. Install the air cleaner assembly with the 2 bolts.

Torque: 7.0 N\*m (71 kgf\*cm, 62 in\*lbf)

D. Connect the No.1 air cleaner inlet and ventilation hose to the air cleaner assembly.

E. Connect the connector and clamp.