

Subject

# MIL (Check Engine Light) ON - P2118 Diagnosis Instructions

Market

USA

Service Category

Vehicle Interior

Section

Meter/Gauge/Display

Applicability

Rav4, Camry, Camry HV

## APPLICABLE VEHICLES

 2010-2015  
2012-2015

 Camry  
Camry HV

2009-2015

RAV4

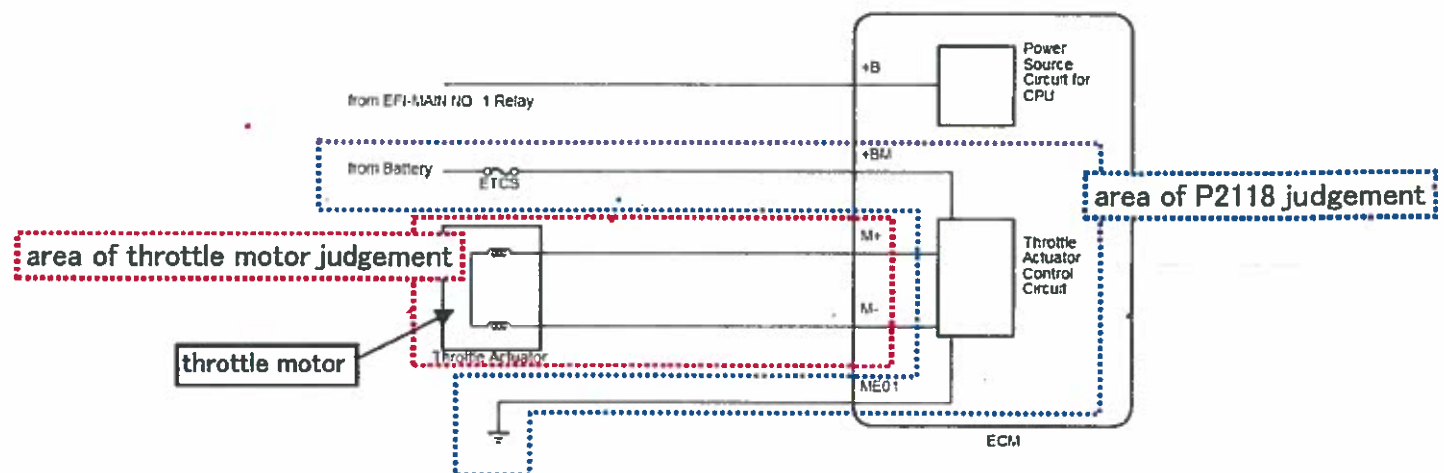
## CONDITION

- Customer complaint of MIL (Check Engine Light) ON Condition.
- Health Check retrieves DTC P2118 (Throttle Actuator Control Motor Current Range / Performance).

## RECOMMENDATIONS

Upon Retrieving DTC P2118, please closely follow the repair manual procedure. See below for background explanation.

- This concern has been misdiagnosed as a throttle body concern.
- After further investigation, the root cause of this concern is commonly found to be either the ETCS (Electronic Throttle Control System) fuse or a phenomenon other than the throttle body.
- As shown in the figure below, the throttle body is not inside the area of judgment for P2118, thus the DTC does not indicate a throttle body concern.



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## RECOMMENDATIONS

- When diagnosing P2118, the repair manual does not include throttle body as a potential trouble area (shown below).

DTC NO.	DTC DETECTION CONDITION	TROUBLE AREA
P2118	An open in the ETCS power source (+BM) circuit (1 trip detection logic).	<ul style="list-style-type: none"> <li>Open in ETCS power source circuit</li> <li>Battery</li> <li>Battery terminals</li> <li>ETCS fuse</li> <li>ECM</li> </ul>

- DTCs that indicate a possible throttle body concern are listed below:

MIL	Detection Item	Trouble Area
P0122	Throttle Position Sensor Switch A Circuit Low	Throttle Position Sensor
P0123	Throttle Position Sensor Switch A Circuit High	
P0222	Throttle Position Sensor Switch B Circuit Low	
P0223	Throttle Position Sensor Switch B Circuit High	
P0120	Throttle Position Sensor Switch A Circuit Malfunction	
P0220	Throttle Position Sensor Switch B Circuit Malfunction	
P2135	Throttle Position Sensor Switch A/B Voltage Correction	Throttle Actuator Control Motor
P2103	Throttle Actuator Control Motor Circuit High	
P2102	Throttle Actuator Control Motor Circuit Low	

## LINK REFERENCES

This Tech Tip does not contain any link references