

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

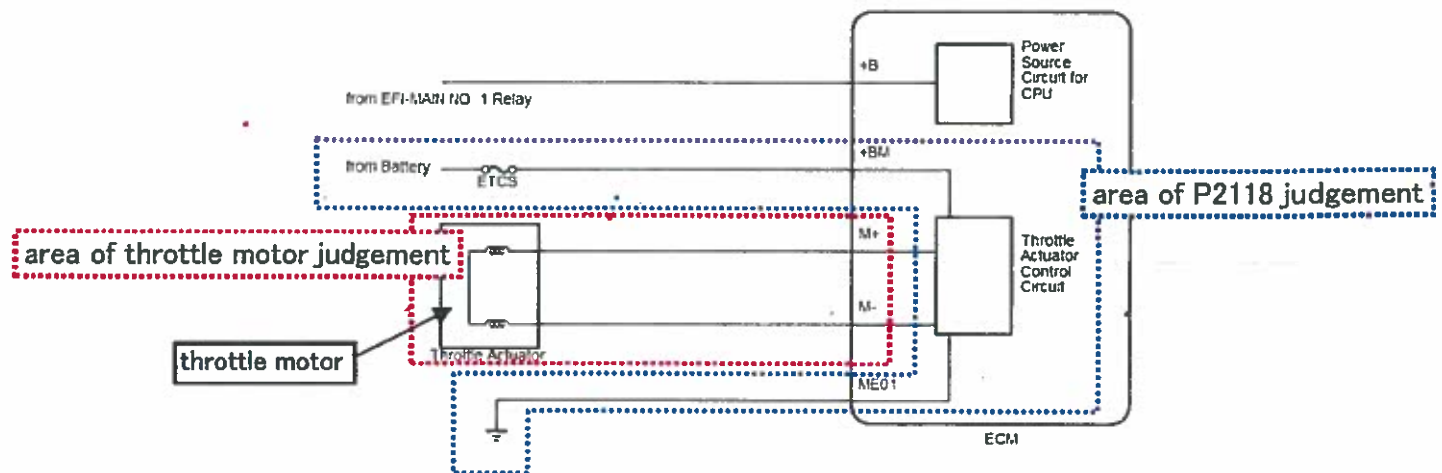
CONDITION

- 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"> Open in ETCS power source circuit Battery Battery terminals ETCS fuse ECM

- 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