

MIL "ON" DTC P2420

Service Category Engine/Hybrid System

Section Emission Control

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014 – 2018	Corolla	

REVISION NOTICE

February 06, 2018 Rev1:

- Applicability has been updated to include 2016 – 2018 model year Corolla vehicles.
- The Required Tools & Equipment section has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2014 – 2018 model year Corolla vehicles equipped with a 2ZR-FE or 2ZR-FAE engine may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P2420 (Evaporative Emission Pressure Switching Valve Stuck Off). Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG1509	Replace Charcoal Canister and Install Filter Sub-assembly	0.7	77740-02220	8A	02

APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emissions Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QTY
77740-02220	Canister Assy, Charcoal	1

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Parts Information (Continued)

PART NUMBER	PART NAME	QTY
77706-12020	Filter Sub-assy	1
90463-13003	Clamp or Equivalent 7.5-inch Nylon Cable Tie	1

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

* Essential SST.

NOTE

- Only **ONE** of the Techstream units listed above is required.
- Software version **12.20.024** or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

Repair Procedure

1. Using Techstream, check for stored DTCs. Is the following DTC present?
 P2420 – Evaporative Emission Pressure Switching Valve Stuck Off.
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Replace the charcoal canister assembly.

Refer to TIS, applicable model and model year Repair Manual:

- 2014 – 2018 Corolla:
Engine/Hybrid System – Emission Control – “2ZR-FE Emission Control: Canister: [Removal](#) / [Installation](#)”
- 2014 – 2018 Corolla:
Engine/Hybrid System – Emission Control – “2ZR-FAE Emission Control: Canister: [Removal](#) / [Installation](#)”

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Repair Procedure (Continued)

3. Install the NEW filter sub-assembly.

A. Disconnect and remove the air line tube.

Figure 1.



B. Remove the 12 mm bolt from the charcoal canister assembly.

Figure 2.



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Repair Procedure (Continued)

- C. Install the NEW filter sub-assembly by sliding the metal bracket between the charcoal canister assembly and the vehicle frame.

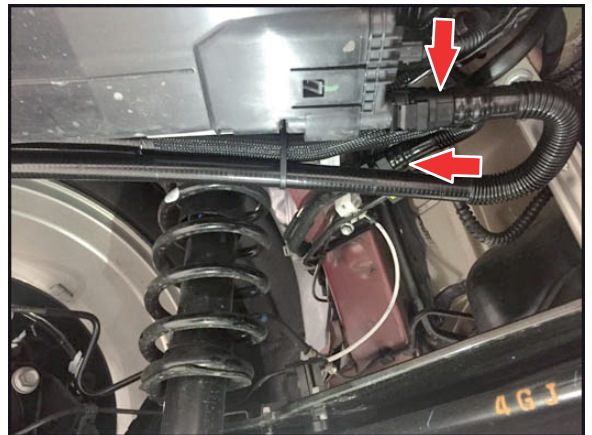
Figure 3.



- D. Reinstall the 12 mm bolt.
Torque: 19 N*m (194 kgf*cm, 14 ft*lbf)

- E. Connect the NEW inlet and outlet air lines.

Figure 4.

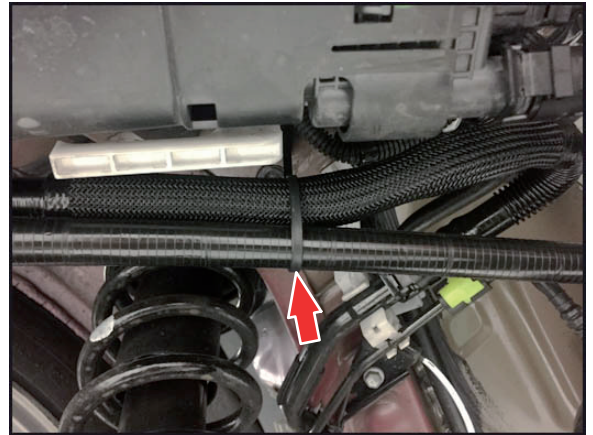


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Repair Procedure (Continued)

- F. Install the NEW clamp (P/N 90463-13003) or equivalent 7.5-inch nylon cable tie in the location shown in the figure.

Figure 5.



4. Clear all DTCs using Techstream.
5. Run the EVAP System Check utility through *Engine and ECT – Utility – EVAP System Check*.
6. Verify no codes were set during the utility, then test drive the vehicle to confirm the repair and verify no codes are present.