

# 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 – 2015	Corolla	

## Introduction

Some 2014 – 2015 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.

## Parts Information

PART NUMBER	PART NAME	QTY
77740-02220	Canister Assy, Charcoal	1
77706-12020	Filter Sub-Assy	1
90463-13003*	Clamp	1

\* Or equivalent 7.5-inch nylon cable tie.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	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.

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### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	

\* Essential SST.

**NOTE**

- Only ONE of the Techstream units listed above is required.
- Software version 10.00.029 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

### Repair Procedure

1. Use Techstream to check for DTCs and confirm the condition described in the Introduction is present.

Is the condition present?

- **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 the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2014 – 2015 Corolla:  
*Engine/ Hybrid System – Emission Control – “2ZR-FE Emission Control: Canister: [Removal](#) / [Installation](#)”*
- 2014 – 2015 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.

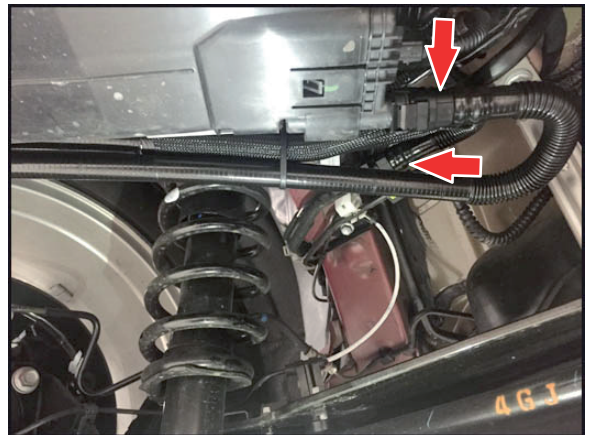
Figure 3.



- 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.

Figure 5.



4. Clear all DTCs using Techstream.
5. Run the EVAP System Check utility.  
**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.