

# MIL "ON" DTC P0456

**Service Category** Engine/Hybrid System

**Section** Engine Control

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010	4Runner	

## Introduction

Some 2010 model year 4Runner vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0456 stored in the Engine Control Module or ECM (SAE Term: Powertrain Control Module/PCM). Use the following repair procedure to address this condition.

## Production Change Information

This TSB applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
4Runner	Tahara	1GR	2WD	JTEZU5JR#A5005494
			4WD	JTEBU5JR#A5013060
		2TR	2WD	JTEZX5JR#A5000266

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
237811	R & R Charcoal Canister	0.4	77740-35520	8A	99

### APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification vehicles sold, registered, and operated in California, Connecticut, Maine, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington, this repair is covered under the California Emission Warranty. This warranty is in effect for 84 months or 70,000 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.

## MIL "ON" DTC P0456

### Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
77740-35520	Same	Canister, Charcoal	1

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite  NOTE: Software version 5.01.001 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

**NOTE**

**Additional TIS Techstream or Techstream Lite units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.**

\* Essential SST.

### Repair Procedure

- Using TIS Techstream, retrieve and clear any stored DTCs.
- Using TIS Techstream, perform the EVAP System Check to confirm DTC P0456, *Evaporative Emission Control System Leak Detected (Very Small Leak)*, is pending.

Refer to the Technical Information System (TIS), 2010 4Runner Repair Manual: *Engine/Hybrid System – Engine Control – [“1GR-FE / 2TR-FE Engine Control: SFI System: Data List / Active Test”](#)*

**NOTE**

**If DTC P0456 does NOT return, this TSB does not apply.**

- If P0456 is present, confirm the charcoal canister pump electrical connector is fully seated and verify no EVAP leaks are present.
- If no EVAP leaks are found, replace the charcoal canister assembly.

Refer to TIS, 2010 4Runner Repair Manual:

- Engine/Hybrid System – Emission Control – “1GR-FE Emission Control: Canister: [Removal / Installation](#)”*
  - Engine/Hybrid System – Emission Control – “2TR-FE Emission Control: Canister: [Removal / Installation](#)”*
- After the repair is complete, clear any DTCs, and perform the EVAP System Check again to confirm normal system operation and there are NO pending DTCs.