



Technical Service BULLETIN

June 22, 2006

Title:

**M.I.L. "ON" DTC P043E, P043F, P2401,
P2402, & P2419**

Models:

'05 – '06 4Runner

ENGINE
EG040-06

Introduction Some 2005 and 2006 model year 4Runner vehicles may exhibit M.I.L. "ON" with DTCs P043E, P043F, P2401, P2402, and P2419 stored. The EVAP pump module, which is part of the charcoal canister assembly, has been improved to correct this condition.

NOTE:

All five DTCs **MUST** be present for this TSB to be applicable.

**Applicable
Vehicles**

- **2005 – 2006** model year **4Runner** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

**Production
Change
Information**

MODEL	PLANT	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN*
4Runner	Tahara	1GR-FE	2WD	JTEZU1#R#60068466
			4WD	JTEBU1#R#60086417
		2UZ-FE	2WD	JTEZT1#R#60025295
			4WD	JTEBT1#R#60059465
	Hino	1GR-FE	2WD	JTEZU1#R#68050362
			4WD	JTEBU1#R#68061846
		2UZ-FE	2WD	JTEZT1#R#68009227
			4WD	JTEBT1#R#68031796

* Plant designation is the 11th character of VIN: Tahara = 0, Hino = 8.

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
237811	R & R Charcoal Canister Assembly	0.4	77740-35511	8A	50

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, Maine, Massachusetts, and Vermont, this repair is covered under the California Emission Warranty, which is 36 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.




** Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Parts
Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
77740-35511	Same	Charcoal Canister Assembly	1

Required
SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Toyota Diagnostic Tester Kit* NOTE: <ul style="list-style-type: none"> All components from this kit/set are required 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.3a Software (or later) is required 	TOY220036	1	9
2	CAN Interface Module Kit* NOTE: <ul style="list-style-type: none"> All components from this kit/set are required 	01002744	1	9
3	EVAP Tester Kit* NOTE: <ul style="list-style-type: none"> All components from this kit/set are required 	00002-6872A	1	23

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Repair
Procedure

- Using the Diagnostic Tester, check for Diagnostic Trouble Codes (DTCs).
If DTCs P043E, P043F, P2401, P2402, and P2419 are ALL present, refer to the Technical Information System (TIS), 2005 – 2006 model year 4Runner Repair Manual: *Diagnostics: SFI System (2UZ-FE / 1GR-FE): EVAP Inspection Procedure*.
- Replace the charcoal canister assembly if the EVAP pump module is diagnosed in the EVAP Inspection Procedure as the suspected area.
- Using the Diagnostic Tester, clear all DTCs.
- Perform the Automatic EVAP System Check and verify that NO pending DTCs set.

NOTE:

If the Automatic EVAP System Check fails to run, perform the following:

- Turn the ignition key OFF.
- Turn the Diagnostic Tester OFF.
- Turn the ignition key ON and the Diagnostic Tester ON and restart the Automatic EVAP System Check.