



Technical Service BULLETIN

May 15, 2007

Title:

M.I.L. "ON" DTC P0418 AND/OR P2445

Models:

'05 - '07 Sequoia & '05 - '06 Tundra (2UZ-FE)

ENGINE
EG027-07

Introduction Some 2005 - 2007 model year Sequoia and 2005 - 2006 model year Tundra vehicles may exhibit a M.I.L. "ON" with DTC P0418 and/or P2445. This may be caused by the air injection control driver. Please use the following repair procedure to address the customer's concern.

Applicable Vehicles

- **2005 - 2007** model year **Sequoia** vehicles produced BEFORE the Production Change Effective VINs shown below.
- **2005 - 2006** model year **Tundra** vehicles equipped with the **2UZ-FE engine**.

Production Change Information

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Sequoia	TMMI	2WD	5TDZT38A#7S294054
		4WD	5TDBT48A#7S287286

Parts Information

MODEL	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
Sequoia	89580-34010	89580-34011	Driver, Air Injection Control	1
Tundra	89581-71010	89581-34040		1

Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	OFP	T1	T2
EG7020	R & R Air Injection Control Driver	0.5	Sequoia	89580-34010	8A	99
			Tundra	89581-71010		

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.
- This repair is covered under the California Emission Warranty. This warranty is in effect for 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.



**Required
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Toyota Diagnostic Tester Kit* NOTE: - All components from this kit/set are required. 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 14.1a Software (or later) is required. 	TOY220036	1	9
2	CAN Interface Module Kit* NOTE: All components from this kit/set are required. 	01002744	1	9

* Essential SSTs.

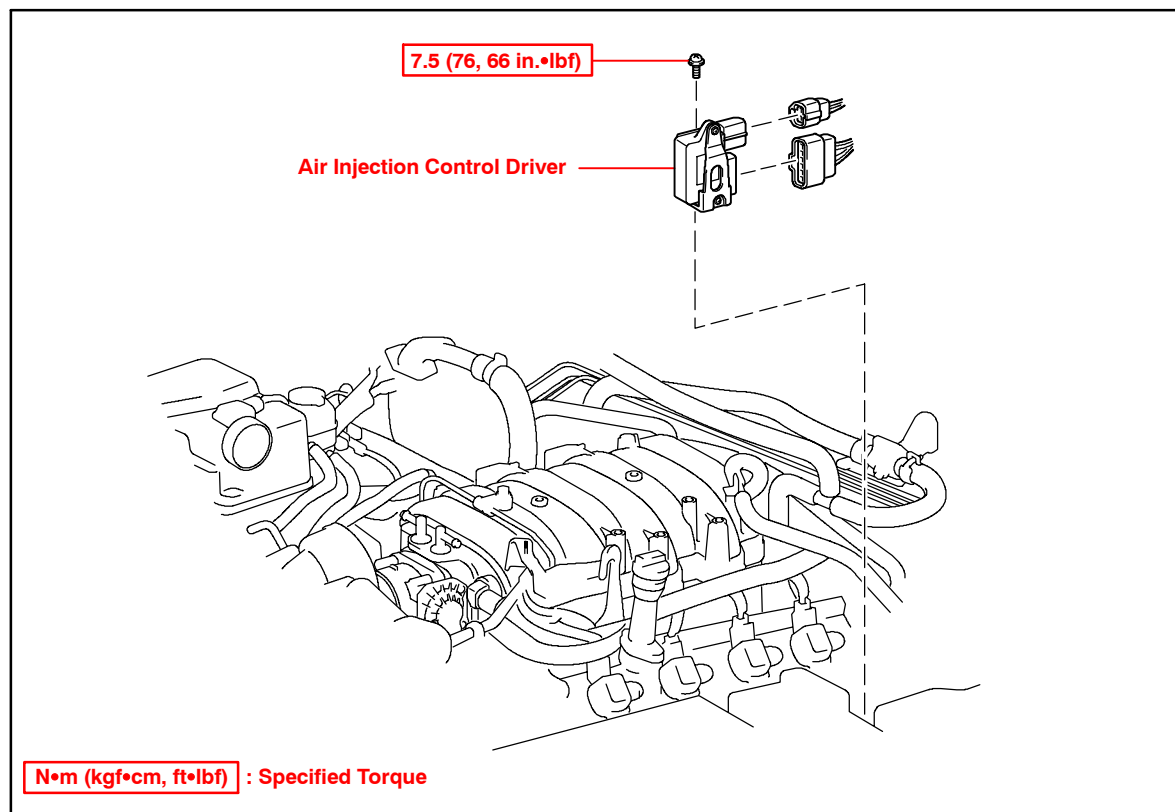
** Drawer number in SST Storage System.

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 P0418 and/or P2445 are present, replace the injection driver.



**Repair
Procedure**
(Continued)

2. If DTC P0418 and/or P2445 are still present after replacing the air injection driver, inspect the air injection system.

Refer to the Technical Information System (TIS):

- 2005 model year Sequoia Repair Manual:
 - *Engine/Hybrid System - Engine Control - "Engine: P0418 Air Injection System Air Pump Malfunction"*
 - *Engine/Hybrid System - Engine Control - "Engine: P2444, P2445 Secondary Air Injection System Pump Stuck Off Bank 1"*
- 2006 or 2007 model year Sequoia Repair Manual:
 - *Engine/Hybrid System - Engine Control - "2UZ-FE ENGINE CONTROL SYSTEM: SFI SYSTEM: P0418: Secondary Air Injection System Control "A" Circuit"*
 - *Engine/Hybrid System - Engine Control - "2UZ-FE ENGINE CONTROL SYSTEM: SFI SYSTEM: P2444: Secondary Air Injection System Pump Stuck on Bank1"*
- 2005 model year Tundra Repair Manual:
 - *Engine/Hybrid System - Engine Control - "2UZ-FE: Engine: P0418 Air Injection System Air Pump Malfunction"*
 - *Engine/Hybrid System - Engine Control - "2UZ-FE: Engine: P2444, P2445 Secondary Air Injection System Pump Stuck Off Bank 1"*
- 2006 model year Tundra Repair Manual:
 - *Engine/Hybrid System - Engine Control - "2UZ-FE ENGINE CONTROL SYSTEM: SFI SYSTEM: P0418: Secondary Air Injection System Control "A" Circuit"*
 - *Engine/Hybrid System - Engine Control - "2UZ-FE ENGINE CONTROL SYSTEM: SFI SYSTEM: P2444: Secondary Air Injection System Pump Stuck on Bank1"*