


# MIL "ON" DTC P0455 & P0441 or P0456

**Service Category** Engine/Hybrid System

**Section** Engine Control

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2005 – 2009	GX470	

## Introduction

Some 2005 – 2009 model year GX 470 vehicles may exhibit a MIL "ON" condition with one or more of the following DTCs: P0455 & P0441 or P0456. Use the repair procedure below to address this condition.

## Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
77300-33070	77300-47010	Cap Assembly, Fuel Tank w/Tether	1

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG9032	R & R Fuel Cap	0.2	77300-33070	8A	13

### APPLICABLE WARRANTY

- This repair is covered under the Lexus Federal Emission Warranty. This warranty is in effect for 48 months or 50,000 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
TIS Techstream* NOTE: Software version 4.21.002 or later is required.	ADE	TSPKG1	1

\* Essential SST.

**NOTE**

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

### Repair Procedure

- Using TIS Techstream, clear the stored DTCs.
- Using TIS Techstream, perform the Automatic EVAP System Check.

**System Select > Engine and ECT > Utility > EVAP System**

If P0455 and P0441 or P0456 set, go to step 3.

**HINT**

If DTC P0441 sets ALONE, this TSIB does NOT apply — Refer to the Repair Manual for further diagnosis.

**NOTE**

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

- Turn the ignition key OFF.
- Turn TIS Techstream OFF.
- Turn the ignition key ON and TIS Techstream ON and restart the Automatic EVAP System Check.

- Inspect the fuel cap.

Does it tighten properly?

- YES** — Proceed to step 4.
- NO** — Replace the fuel cap, then proceed to step 5.

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### Repair Procedure (Continued)

4. Inspect the EVAP system for the leak source.

Refer to the Technical Information System (TIS), applicable model year GX 470 Repair Manual:

- [2005](#) GX 470  
*Engine/Hybrid System – Engine Control – “SFI System (2UZ-FE): EVAP Inspection Procedure”*
- [2006](#) / [2007](#) / [2008](#) / [2009](#) GX 470:  
*Engine/Hybrid System – Engine Control – “2UZ-FE Engine Control System: SFI System: EVAP System”*

Was the leak source isolated at the fuel cap to filler pipe sealing area?

- **YES** — Replace the fuel cap, then proceed to step 5.
- **NO** — This TSIB does NOT apply — Refer to the Repair Manual for further diagnosis.

5. Clear DTCs.
6. Perform the Automatic EVAP System Check and verify NO pending DTCs set.  
**System Select > Engine and ECT > Utility > EVAP System**