# 2AZ-FXE Engine Oil Consumption Inspection Procedure

**Service Category** Engine/Hybrid System

**Section** Lubrication **Market** USA

Lexus Supports ASE Certification

## Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|---|---|---|
| 2010 – 2012 | HS250H | Engine(s): 2AZ<br>VDS(s): BB1BA |

**REVISION NOTICE**

**April 27, 2015 Rev1:**

- **The Production Change Information section has been removed.**
- **The Required Tools & Equipment, Inspection Procedure, and Engine Oil Consumption Test sections have been updated.**
- **The Parts Information section has been added.**

**Any previous printed versions of this bulletin should be discarded.**

## Introduction

Some 2010 – 2012 model year HS 250h vehicles equipped with 2AZ-FXE engines may exhibit engine oil consumption. The piston assembly has been changed to minimize oil consumption. Use the Inspection Procedure in this bulletin to confirm this condition.

## Warranty Information

| OP CODE | DESCRIPTION | TIME | OFP | T1 | T2 |
|---|---|---|---|---|---|
| N/A | Not Applicable to Warranty | – | – | – | – |

## Required Tools & Equipment

| REQUIRED TOOLS & MATERIAL | QTY |
|---|---|
| ILSAC GF-4 Multi-grade SAE 0W-20 or 5W-20 | 3.0 U.S. qts<br>(2.8 liters) |

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# 2AZ-FXE Engine Oil Consumption Inspection Procedure

## Parts Information

| PART NUMBER | PART NAME | QTY |
|---|---|---|
| 00411-14001-1 | Inspection Labels | 1 Roll* |

* 100 labels per roll.

**NOTE**

**Lexus requires specific security seals to be used for this activity (shown to the right). Contact the Materials Distribution Center (MDC) for ordering information.**

**Labels may be ordered in packages of 100 from the Materials Distribution Center (MDC) through *Dealer Daily – Dealer Support Materials Orders* or by visiting www.toyotamdc.com.**

## Inspection Procedure

**NOTE**

- **In some cases, a P030# (cylinder # misfire detected) DTC may also be set as a result of oil consumption.**
- **This bulletin does NOT cover the cost of an oil change. If the vehicle is approaching Lexus recommended service interval mileage at the start of the test, recommend an oil change at customer cost to ensure valid test results.**

### Confirm Engine Oil Consumption Condition

1. Confirm customer complaint and request for Engine Oil Consumption Test.
2. Fill oil to “Full” mark shown on dipstick.
3. Mark the following locations to prevent/indicate tampering during the test.
   - Dipstick
   - Oil Drain Plug
   - Fill Cap
   - Oil Cooler Line
   - Oil Filter

**NOTE**

**Use the required Inspection Labels (MDC P/N 00411-14001-1) on the locations specified above.**

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# 2AZ-FXE Engine Oil Consumption Inspection Procedure

## Inspection Procedure

### Confirm Engine Oil Consumption Condition (Continued)

Figure 1. Oil Pan with Inspection Label Applied

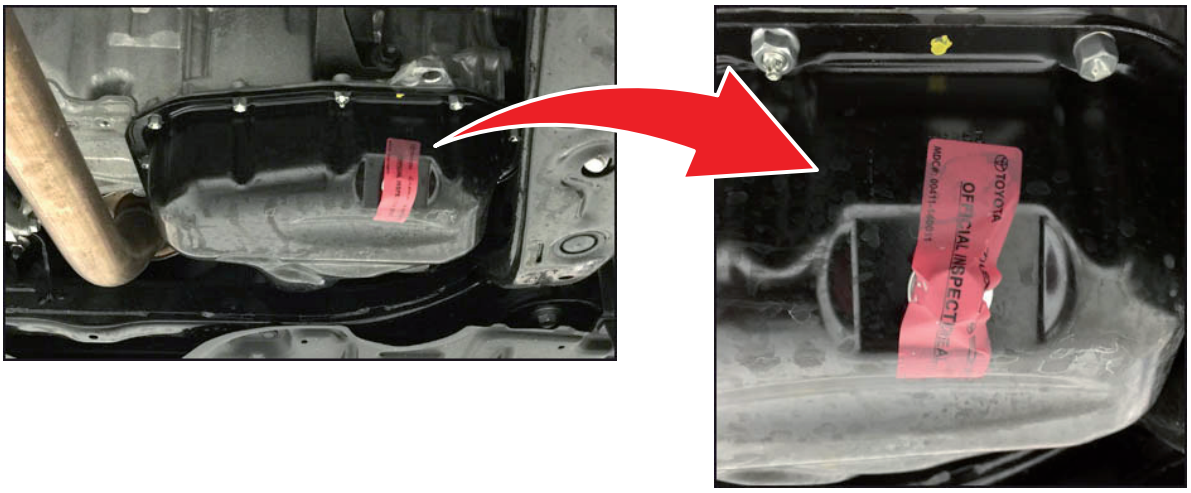


Figure 2. Indication of Inspection Label Removal

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# 2AZ-FXE Engine Oil Consumption Inspection Procedure

## Inspection Procedure

### Confirm Engine Oil Consumption Condition (Continued)

4. Complete Section A of the *"Engine Oil Consumption Test"* at the end of this bulletin.

> **NOTE**
>
> **Attach the completed *"Engine Oil Consumption Test"* to Repair Order. It will be used later in the Inspection Procedure. This form will also be required for warranty submission.**

5. Return the vehicle to the customer advising them to return for inspection in 1100 – 1300 miles.

> **NOTE**
>
> **Advise customer if they do NOT return inside the 1100 – 1300 mile range, the results will be *void*.**

### When Vehicle Returns after 1100 – 1300 Miles

1. Check the dipstick to confirm oil level is NOT full.
   - If full, this bulletin does NOT apply. Return the vehicle to the customer.
   - If NOT full, proceed to step 2.
2. Add 1 quart of oil from the quart container.

> **IMPORTANT**
>
> **Fill engine with oil from 1 quart container to ensure accurate volume measurement.**

3. Start engine and warm up to operating temperature.
4. Turn OFF the engine, and let the vehicle rest for 5 minutes.
5. Check the dipstick to confirm oil level.
   - If **above** full, this bulletin does NOT apply. Drain to the "Full" level, remove any tamper tape residue from the vehicle, and return to the customer.
   - If **below** full, follow the Repair Procedure outlined in Service Bulletin No. L-SB-0006-15, *"2AZ-FXE Engine Oil Consumption."*
6. Complete Section B of the *"Engine Oil Consumption Test"* at the end of this bulletin.

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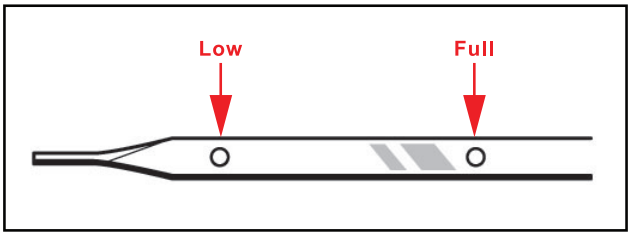
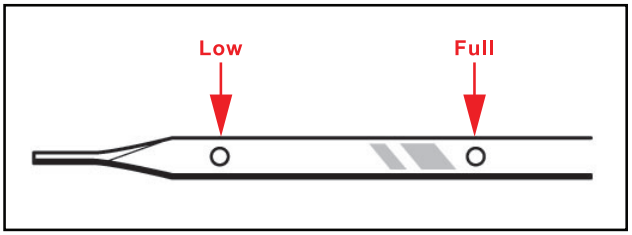
# 2AZ-FXE Engine Oil Consumption Inspection Procedure

## Engine Oil Consumption Test

| COMPLETE AT TIME OF CUSTOMER COMPLAINT | | | CLICK HERE for Interactive Form |
|---|---|---|---|
| VIN: | | | |
| Model: | | Model Year: | |

| SECTION A: TESTING PROCEDURE PART 1 | | | |
|---|---|---|---|
| 1. Mileage of Vehicle: | | | |
| 2. Were the required Inspection Labels used? (MDC P/N 00411-14001-1) | | 4. Please indicate oil level on Dipstick below after filling to "Full." | |
| ☐ YES ☐ NO | |   | |
| 3. Please initial to indicate the following locations were marked to prevent/indicate tampering. | | | |
| a. Dipstick | | | |
| b. Oil Drain Plug | | | |
| c. Fill Cap | | | |
| d. Oil Cooler Line | | | |
| e. Oil Filter | | | |
| 5. I certify that the above information in Section A of this form is accurate. | | | |
| Print Name: | | | |
| Signature: | | Date: | |
| NOTE<br>Keep this form attached to Repair Order. Additional information will be needed (Section B) when the vehicle returns. | | | |

| SECTION B: TESTING PROCEDURE PART 2 | | | |
|---|---|---|---|
| 1. Mileage of Vehicle: | | | |
| NOTE<br>If mileage difference between section A and B is NOT within 1100 – 1300 miles, test results are *void*. | | | |
| 2. Please initial to confirm the following locations were NOT tampered with.<br>NOTE<br>If locations below appear to be tampered with, write "Void" in box. | | 3. After adding 1 quart oil to vehicle (from quart container) indicate oil level below. | |
| a. Dipstick | |   | |
| b. Oil Drain Plug | | | |
| c. Fill Cap | | | |
| d. Oil Cooler Line | | | |
| e. Oil Filter | | | |
| 4. I certify that the above information in Section B of this form is accurate. | | | |
| Print Name: | | | |
| Signature: | | Date: | |

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