

"Low Engine Oil" Message

Service Category Engine/Hybrid System

Section Lubrication

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2018	LS500, LS500H	VDS(s): B51FF, B5LFF, BYLFF, C51FF, C5LFF, CYLFF

Introduction

Some 2018 model year LS500 and LS500h vehicles may exhibit a warning message either under the speedometer ("Engine Oil Level Low Add or Replace") or on the Navigation screen ("Low Engine Oil"). Follow the Repair Procedure in this bulletin to address this condition.

Figure 1. Warning Message Under the Speedometer

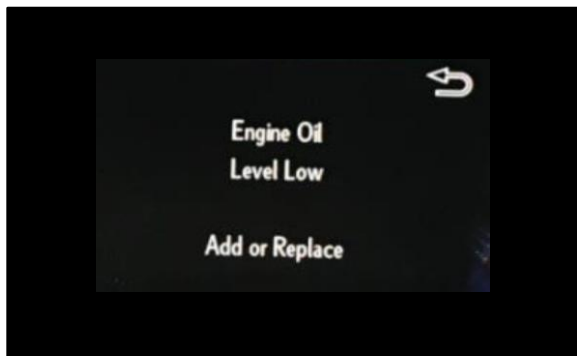


Figure 2. Warning Message on the Navigation Screen



Production Change Information

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

MODEL	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
F Sport LS500	2WD	JTHB51FF#J5004541
	AWD	JTHC51FF#J5003689
Non-F Sport LS500	2WD	JTHB5LFF#J5004500
	AWD	JTHC5LFF#J5003637
Non-F Sport LS500h	2WD	JTHBYLFF#J5003132
	AWD	JTHCYLFF#J5001367

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1809	Reprogram Combination Meter ECU	0.4	83800-50E83 83800-50F43 83800-50G01	8B	74

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic 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.

Parts Information

MODEL	DRIVETRAIN	PART NUMBER		PART NAME	QTY
		PREVIOUS	NEW		
F Sport LS500	All	83800-50G01	83800-50G02-RP	Meter, Assy Combination	-
Non-F Sport LS500		83800-50E83	83800-50E84-RP		
Non-F Sport LS500h		83800-50F43	83800-50F44-RP		

NOTE

The combination meter should NOT be replaced as part of the Repair Procedure.

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 13.10.019 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

* Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

Calibration Information

MODEL	DRIVETRAIN	CALIBRATION ID	
		PREVIOUS	NEW
F Sport LS500	All	8380050G0119 8380050G011A	8380050G011B
Non-F Sport LS500 and LS500h		8380050E8107 8380050E8108 8380050E8109	8380050E810A

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Repair Procedure

1. Confirm the condition exists.

Did the vehicle exhibit a warning message either under the speedometer ("Engine Oil Level Low Add or Replace") or on the Navigation screen ("Low Engine Oil")?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Warm the engine up to operating temperature, shut it OFF, then wait 5 minutes.
On level ground, the oil level should be between the dipstick's low level mark and the full level mark.

Is the oil level within specification?

- **YES** — Continue to step 3.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

3. Using Techstream, perform a Health Check and confirm if the instrument cluster has been updated.

Is the calibration ID listed the latest combination meter ECU calibration?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continued to step 4.

4. Flash reprogram the combination meter ECU.

NOTE

- The GR8 Battery Diagnostic Station MUST be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the ["GR8 Instruction Manual"](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. [L-SB-0001-18](#) "Techstream ECU Flash Reprogramming Procedure," and flash the combination meter ECU with the NEW calibration file update.

5. Test drive the vehicle to confirm the "Low Engine Oil" message does not display.