

MIL ON DTC C13A8 - EPB Actuator

Service Category Brake

Section Parking Brake

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2018 - 2019	LC500, LC500H, LS500, LS500H	

Introduction

Some 2018 – 2019 model year LC500, LC500h, LS500, and LS500h vehicles may exhibit an EPB malfunction warning message with DTC C13A8 (electric parking brake [EPB] actuator) present. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

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

MODEL	KATASHIKI	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
LC500	URZ100L	Motomachi	2WD	JTHHP5AY#KA006207
LC500h	GWZ100L			JTHHY5AY#KA001545
LS500	VXFA50L	Tahara	4WD	JTHB51FF#K5007417
	VXFA55L			JTHC51FF#K5005696
LS500h	GVF50L		2WD	JTHBYLFF#K5004519
	GVF55L		4WD	JTHCYLFF#K5001466

MIL ON DTC C13A8 - EPB Actuator

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR1807	R & R Parking Brake ECU	0.5	89050-50030	8A	99
			89050-11010		

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	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
LC500, LC500h	89050-11010		Computer Assy, Parking Brake	1
LS500, LS500h	89050-50030			1

NOTE

The ECU part number is unchanged but the calibration logic has been updated.

MIL ON DTC C13A8 - EPB Actuator

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 13.20.018 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.

Repair Procedure

1. Confirm the condition exists.
 - A. Does the vehicle exhibit a warning message for EPB malfunction?
 - **YES** — Continue to substep B.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - B. Is DTC C13A8 stored?
 - **YES** — Continue to substep C.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - C. Is DTC C13A8 stored again AFTER clearing it?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 2.

MIL ON DTC C13A8 - EPB Actuator

Repair Procedure (continued)

2. Replace the parking brake computer assembly.

Refer to TIS, applicable model and model year Repair Manual:

- 2018 – 2019 LC500:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”
- 2018 – 2019 LC500h:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”
- 2018 LS500:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”
- 2019 LS500:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”
- 2018 LS500h:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”
- 2019 LS500h:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake ECU:
[Removal](#) / [Installation](#)”

3. Connect Techstream and initialize the parking brake ECU.

Refer to TIS, applicable model and model year Repair Manual:

- [2018](#) / [2019](#) LC500:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake System: Initialization”
- [2018](#) / [2019](#) LC500h:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake System: Initialization”
- [2018](#) / [2019](#) LS500:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake System: Initialization”
- [2018](#) / [2019](#) LS500h:
Brake – Parking Brake – “Parking Brake: Electric Parking Brake System: Initialization”

4. Start the engine and warm up the vehicle to normal operating temperature.

5. Test-drive the vehicle to confirm proper operation of the EPB.