

# 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](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.

| SPECIAL SERVICE TOOLS (SST)     | PART NUMBER                 | QTY |
|---------------------------------|-----------------------------|-----|
| GR8 Battery Diagnostic Station* | <a href="#">00002-MCGR8</a> | 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

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### 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.