

ABS Brake Warning Lights On

Service Category Brake

Section Brake Control/Dynamic Control System

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2017 - 2019	Highlander HV	

Introduction

Some 2017 – 2019 model year Highlander Hybrid vehicles may exhibit a condition in which the brake, ABS, and/or TRAC warning lights are on and/or a Check VSC message displays. One or more of the following specific Diagnostic Trouble Codes (DTCs): C1391, C1252, C1256, and/or C1253 will be stored in the vehicle memory to be used as verification. This condition may be caused by a small internal brake fluid leak inside the brake actuator. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR2408	R & R the Brake Actuator Assy and Brake Booster with Accumulator	2.0	44050-48320	8C	99

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 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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Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
44050-48320	04008-26448	Actuator Assy, Brake w/ Fluid	1
47070-48060	04008-51248	Pump Assy, Brake Booster w/ Accumulator	1
44598-50010		Clamp, Brake Actuator Bracket	1

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	QTY
DOT 3 Brake Fluid	1 – 2 Liters

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

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ Software version 2024.04.004.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

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Repair Procedure

1. Confirm the condition exists.
Are the brake, ABS, and/or TRAC warning lights ON and/or does a Check VSC message display?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Using GTS+, check for and record ANY stored DTCs.
Are ANY of the following DTCs stored: C1391, C1252, C1256, and/or C1253?
 - **YES** — Continue to step 3.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

3. Remove the brake actuator and booster pump assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - [2017 – 2018](#) / [2019](#) Highlander HV:
Brake – Brake Control / Dynamic Control Systems – Brake Actuator – Removal

4. Install the NEW brake actuator and booster pump assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - [2017 – 2019](#) Highlander HV:
Brake – Brake Control / Dynamic Control Systems – Brake Actuator – Installation

5. Using GTS+, clear ANY stored DTCs and test-drive the vehicle to confirm the conditions are no longer present.