


ABS Brake Warning Light ON

SB-10056078-6915Service
Category Brake

Section Brake Control/Dynamic Control System Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2011	Camry HV	

Introduction

Some 2007 – 2011 model year Camry HV vehicles may exhibit a condition where the brake, ABS, and/or TRAC warning light(s) are ON and/or a Check VSC message is displayed. Diagnostic Trouble Code (DTC) C1391, C1252, C1253 or C1256 may be stored. 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
896051	R & R Brake Actuator Assembly	1.2	44050-30300	8A	71

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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
44050-30300	44050-30660	Actuator Assy, Brake w/ Fluid	1

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

* Essential SST.

NOTE

- Only **ONE** of the Techstream units listed above is required.
- Software version 9.10.037 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Using Techstream, check for stored DTC(s). Record any stored DTC(s).
2. Check for brake fluid leaks in the brake line between the brake actuator and the wheel cylinder(s).

Is the brake dragging?

- **NO** — Continue to step 3.
 - **YES** — If there is fluid leakage or dragging, this bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
3. Wait 90 seconds without operating the brake pedal.
 4. After completing diagnosis, select **ABS/VSC** in the Data List mode of Techstream and read the **ACC PRESS SENS** value.

Check that the output value of the accumulator pressure sensor does NOT decrease and that the pump motor is NOT activated due to a decrease in accumulator pressure.

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION
ACC PRESS SENS	Accumulator Pressure Sensor/min: 0 V, max: 5 V	Specified Value: 2.6 to 3.8 V

- **OK** – Refer to the Technical Information System (TIS), applicable model and model year Repair Manual for C1391 to continue diagnosis:
 - [2007 \(03/2006 – 10/2006\)](#) / [2007 \(10/2006 – \)](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) Camry HV: *Brake – Brake Control/Dynamic Control System – “Brake Control: Electronically Controlled Brake System: C1391/69; Accumulator Leak Malfunction”*

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Repair Procedure (Continued)

- If pressure sensor output value does NOT reach specified minimum.

Refer to TIS, applicable model and model year Repair Manual for C1252 to continue diagnosis. After completing diagnosis and repair, proceed to step 6.

- 2007 / 2008 / 2009 / 2010 / 2011 Camry HV:
Brake – Brake Control/Dynamic Control System – “Brake Control: Electronically Controlled Brake System: C1252/52, C1253/53 Brake Booster Pump Motor on Time Abnormally Long”

- If pressure sensor output value decreases, continue to step 5.


- Replace the brake actuator with the NEW part.

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

- 2007 (03/2006 – 10/2006) / 2007 (10/2006 –) / 2008 / 2009 / 2010 / 2011 Camry HV:
Brake – Brake Control/Dynamic Control System – “Brake Control/Dynamic Control Systems: Brake Actuator: Removal”
 - 2007 (03/2006 – 10/2006) / 2007 (10/2006 –) / 2008 / 2009 / 2010 / 2011 Camry HV:
Brake – Brake Control/Dynamic Control System – “Brake Control/Dynamic Control Systems: Brake Actuator: Installation”
- After completing diagnosis and repair, select ABS/VSC in the Data List mode of Techstream and read the ACC PRESS SENS value to confirm the repair.

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION
ACC PRESS SENS	Accumulator Pressure Sensor/min: 0 V, max: 5 V	Specified Value: 2.6 to 3.8 V

- Test drive the vehicle to confirm that the condition has been corrected.

DISTRIBUTE TO: <input checked="" type="checkbox"/> Service Manager <input checked="" type="checkbox"/> Warranty Administrator	 TOYOTA Warranty Policy Bulletin	No.: POL14-04 Date: 06/26/14 Page: 1 of 3
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**SUBJECT: WARRANTY ENHANCEMENT PROGRAM (ZE1):
 WARRANTY EXTENSION FOR BRAKE ACTUATOR
 ASSEMBLY AND SKID CONTROL ECU/BRAKE PEDAL
 STROKE SENSOR IN 2007 TO 2011 MODEL YEAR CAMRY
 HYBRID VEHICLES**

Background

In 2007 to 2011 model year Camry Hybrid vehicles, Toyota has received some reports where various brake system related warning lamps illuminate due to internal malfunctions of the Brake Actuator assembly. Separately, the same warning lamps may also illuminate due to overly sensitive monitoring logic for the Brake Pedal Stroke Sensor.

Applicability

The Brake Actuator assembly and Skid Control ECU are covered by Toyota's New Vehicle Limited Warranty for 3 years or 36,000 miles (whichever occurs first). However, Toyota is announcing a Warranty Enhancement Program to cover repairs related to internal malfunctions of the Brake Actuator assembly or overly sensitive monitoring logic for the Brake Pedal Stroke Sensor.

Primary Coverage offers the warranty enhancement until **November 30, 2015, with no mileage limitation.**

After the Primary Coverage period ends, the **Secondary Coverage** is applicable for **ten (10) years from the date-of-first use or 150,000 miles, whichever occurs first.**

Verify VIN applicability for this warranty enhancement by checking TIS before completing any repairs.

Applicability (continued)

Direct marketing of this warranty enhancement is strictly prohibited pursuant to the Toyota Warranty Policy 5.21, "Warranty Solicitation." Non-compliance with this policy may result in a claim debit.

Please note that damage incurred from abuse, an accident and/or crash, vandalism or other similar events is not covered by the New Vehicle Limited Warranty or this Warranty Extension. All other terms and conditions of the New Vehicle Limited Warranty apply.

Applicable VIN Ranges

WMI	VDS	Model Year	Start	End
4T1	BB46K	2007	U001012	U030790
		2008	U024787	U062522
		2009	U061175	U111424
	BB3EK	2010	U089187	U126215
		2011	U125695	U143974
JTN	BB46K	2007	3000160	3044808
		2008	3044111	3049003
		2009	3048659	3053539
	BB3EK	2010	3053459	3053881
		2011	3053902	3054497

Verify VIN applicability for this Warranty Enhancement by checking TIS before completing any repairs.

Claim Submission

Claim Type	Opcode	Description	Labor Time
Repair Program	AHG55A*	Replace the Brake Actuator Assembly	2.3 hr./vehicle
	AHG54A	Replace the Skid Control Computer Assembly	2.1 hr./vehicle

*The cost for 2.0L of brake fluid may be claimed, at a maximum of \$36 per vehicle, as Sublet Type "OF."

Note: If the vehicle is still under the New Vehicle Limited Warranty, submit the repair as a **Regular** warranty claim.

Replacement Parts

All parts replaced for this repair are subject to warranty parts recovery.

Part Number	Description	Quantity	Applicable TSB
04003-44830	Brake Actuator Assembly	1	T-SB-0041-14
89540-33390	Skid Control Computer Assembly	1	T-SB-0040-14
89540-33400			

During the initial launch of this Warranty Enhancement Program the related parts will be placed on Manual Allocation Control (MAC). If you require one of the above parts for vehicle repair, please send an email to Quality_Compliance@toyota.com with the following information:

1. Subject Line: ZE1 MAC Release Request (Dealer Code)
2. Dealer Code
3. VIN # of repair vehicle
4. DTC's Present or Reason for Order
5. Part Number and Qty Ordered
6. Order Reference Number
7. Order Date
8. Contact Person

Once a representative confirms the information provided, the part will be released. If there is a concern regarding the information provided, a representative will contact your dealership. Please allow 2-3 days for part release after providing the requested information.

Important Notes:

- *Once you have placed your order, DO NOT upgrade or change your order status.*
- *Dealerships must provide the above listed information within 48 hours of order placement; failure to provide the information above will result in an order cancellation.*

Customer-Paid Repairs or Replacement of Components

If a customer has previously paid for the repair to address the condition described above, please have them mail a copy of the repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration:

Toyota Motor Sales, U.S.A., Inc.
Customer Experience Center, WC10
19001 South Western Avenue
Torrance, CA 90509

The customer name, address, and telephone number(s) should be included in the request. The customer should allow 4-6 weeks for processing.