TOYOTA
Technical Service Bulletin

ABS Brake Warning Light ON

Service 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	

REVISION NOTICE

September 11, 2014 Rev1:

- **The Parts Information section has been updated.**

Any previous printed versions of this bulletin should be discarded.

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		
44050-30660	04003-44830	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
Techstream Lite		TSLITEPDLR01	

* Essential SST.

NOTE

- **Only ONE of the Techstream units listed above is required.**
- **Software version 9.20.022 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.

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"

6. 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

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

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