

ABS Brake Warning Light On and/or Trac 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
2013 - 2015	Avalon HV	
2012 - 2014	Camry HV	

Introduction

Some 2012 – 2014 model year Camry Hybrid, and 2013 – 2015 model year Avalon Hybrid vehicles may exhibit a condition where 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, or C1253 will be stored in the vehicle's memory to be used as verification. This condition may be caused by a small internal brake fluid leak in the brake booster assembly with master cylinder. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR1909	R & R Brake Booster Assembly With Master Cylinder and R & R Brake Booster Pump Assembly	3.5	47050-33110 47050-33112 47050-41010 47050-41020	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

MODEL YEAR	MODEL	PART NUMBER		PART NAME	QTY
		PREVIOUS	NEW		
2012	Camry HV	47050-33110	04009-05133	Brake Booster Assy W/Master Cylinder	1
		47070-33020	04008-54833	Pump Assy, Brake Booster	1
2013 – 2014		47050-33112	04009-05233	Brake Booster Assy W/Master Cylinder	1
		47070-33020	04008-54833	Pump Assy, Brake Booster	1
2013 – 2014	Avalon HV	47050-41010	04009-05641	Brake Booster Assy W/Master Cylinder	1
		47070-33020	04008-54833	Pump Assy, Brake Booster	1
2015		47050-41020	04009-05741	Brake Booster Assy W/Master Cylinder	1
		47070-33020	04008-54833	Pump Assy, Brake Booster	1

Required Tools & Equipment

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.
- Software version 14.20.019 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

REQUIRED TOOLS & MATERIAL	FLUID TYPE	QUANTITY
Brake Fluid	DOT3 Brake Fluid	1 – 2 liters

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

3. Remove the brake booster assembly with master cylinder.
Refer to TIS, applicable model and model year Repair Manual:
 - [2012](#) / [2013](#) / [2014](#) Camry HV:
Brake – Brake System – “Brake System (Other): Brake Booster: Removal”
 - [2013](#) / [2014](#) / [2015](#) Avalon HV:
Brake – Brake System – “Brake System (Other): Brake Booster: Removal”

4. Remove the brake booster pump assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - [2012](#) / [2013](#) / [2014](#) Camry HV:
Brake – Brake System – “Brake System (Other): Brake Booster Pump: Removal”
 - [2013](#) / [2014](#) / [2015](#) Avalon HV:
Brake – Brake System – “Brake System (Other): Brake Booster Pump: Removal”

5. Install the NEW brake booster assembly with master cylinder.
Refer to TIS, applicable model and model year Repair Manual:
 - [2012](#) / [2013](#) / [2014](#) Camry HV:
Brake – Brake System – “Brake System (Other): Brake Booster: Installation”
 - [2013](#) / [2014](#) / [2015](#) Avalon HV:
Brake – Brake System – “Brake System (Other): Brake Booster: Installation”

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Repair Procedure (continued)

6. Install the NEW brake booster pump assembly.

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

- [2012](#) / [2013](#) / [2014](#) Camry HV:
Brake – Brake System – “Brake System (Other): Brake Booster Pump: Installation”
- [2013](#) / [2014](#) / [2015](#) Avalon HV:
Brake – Brake System – “Brake System (Other): Brake Booster Pump: Installation”

7. Test-drive the vehicle to confirm the repair.