

ABS/VSC DTC C1247 - Stroke Sensor Detection Logic Update

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	

Introduction

Some 2007 – 2011 model year Camry HV vehicles may exhibit a MIL “ON” and brake warning lights (ABS/VSC) illuminated in the instrument panel with Diagnostic Trouble Code (DTC) C1247 (Stroke Sensor Malfunction) stored in the ABS/VSC Electronic Control Unit (ECU). This DTC may set as a result of an overly sensitive monitoring logic without any other ABS/VSC system issue. Follow the Repair Procedure in this bulletin to properly diagnose the system and, if necessary, replace the ABS/VSC ECU with an ECU containing the updated monitoring logic.

Production Change Information

This bulletin applies to the following vehicles:

- All Japan built 2007 – 2011 model year Camry HV vehicles.
- TMMK built 2007 – 2011 model year Camry HV vehicles produced **BEFORE** the Production Change Effective VIN shown below.

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Camry HV	TMMK	4T1BB3EK#BU140816

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
896011	R & R Skid Control Computer	2.1	89540-33390 89540-33400	8A	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	PART NUMBER	PART NAME	QTY
2007 – 2009	89540-33390	Computer Assy, Skid Control	1
2010 – 2011	89540-33400		

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, perform a Health Check and confirm that DTC C1247 is present in the ABS/VSC ECU.
2. Follow the diagnostics for this DTC.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2007 Camry HV:
Brake – Brake Control/Dynamic Control System – “Brake Control: Electronically Controlled Brake System: C1247/47, C1346/71, C1392/48: Stroke Sensor Malfunction [\(to 10/2006\)](#) / [\(from 10/2006\)](#)”
- [2008](#) / [2009](#) / [2010](#) / [2011](#) Camry HV:
Brake – Brake Control/Dynamic Control System – “Brake Control: Electronically Controlled Brake System: C1247/47, C1346/71, C1392/48: Stroke Sensor Malfunction”

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Repair Procedure (Continued)

3. In the event that NO problem can be found for this DTC, replace the ABS/VSC ECU.

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

- 2007 Camry HV:
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMMK made): [Removal](#) / [Installation](#)”*
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMC made): [Removal](#) / [Installation](#)”*
 - 2008 Camry HV:
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMMK made): [Removal](#) / [Installation](#)”*
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMC made): [Removal](#) / [Installation](#)”*
 - 2009 Camry HV:
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMMK made): [Removal](#) / [Installation](#)”*
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMC made): [Removal](#) / [Installation](#)”*
 - 2010 Camry HV:
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMMK made): [Removal](#) / [Installation](#)”*
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMC made): [Removal](#) / [Installation](#)”*
 - 2011 Camry HV:
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMMK made): [Removal](#) / [Installation](#)”*
 - *Brake – Brake Control/Dynamic Control System – “Brake Control: Skid Control ECU (for TMC made): [Removal](#) / [Installation](#)”*
4. Clear any stored DTCs.
 5. Disconnect Techstream.
 6. Test drive vehicle to confirm the condition has been corrected.