

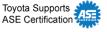
# **ABS Brake Warning Light On**

Service

Category Brake

Section Brake Control/Dynamic Control System

Market USA



### **Applicability**

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION	
2010	Prius, Prius PHV	WMI(s): JTD	
		Plant Code(s): -	

#### Introduction

Some 2010 model year Prius and Prius Plug-in Hybrid vehicles may exhibit a condition where the brake, ABS, and/or TRAC warning light(s) are on and/or a Check VSC message displays. Diagnostic Trouble Codes (DTCs) C1391, C1252, C1256, and C1253 may be stored. This condition may be caused by a small internal brake fluid leak inside the brake booster assembly with master cylinder. Follow the Repair Procedure in this bulletin to address this condition.

#### **Warranty Information**

MODEL	OP CODE	DESCRIPTION		OFP	T1	T2
Prius	BR1802	R & R Brake Booster Assembly With Master Cylinder, R & R Brake Booster Pump Assembly, and Reprogram Skid Control ECU		47050-47140 47050-47150 47070-47060	8A	99
Prius PHV	BR1804	R & R Brake Booster Assembly With Master Cylinder, and R & R Brake Booster Pump Assembly		47050-47090 47070-47060		

#### **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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# ABS Brake Warning Light On

#### **Parts Information**

MODEL	PART NUMBER		DADT NAME	OTV
MODEL	PREVIOUS	NEW	PART NAME	QTY
	47050-47140	04002-33347	Brake Booster Assy W/Master Cylinder	
Prius	or	or		
	47050-47150	04002-33447		
	47070-47060 04006-22		Pump Assy, Brake Booster	1
Prius PHV	47050-47090	04002-33647	Brake Booster Assy W/Master Cylinder	1
FIIUS PTIV	47070-47060	04006-22147	Pump Assy, Brake Booster	1

### **Required Tools & Equipment**

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

<sup>\*</sup> Essential SST.

### NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 13.10.019 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	QTY
Brake Fluid	DOT3 Brake Fluid	1 – 6 liters

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#### **Calibration Information**

MODEL	ENGINE	CALIBRATION ID		
		PREVIOUS	NEW	
Prius	2ZR-FXE	F152647107 F152647108 F152647109	<u>F152647760</u>	
		F152647127 F152647128 F152647129	F152647770	
		F152647340	<u>F152647780</u>	
		F152647350	<u>F152647790</u>	

## **Repair Procedure**

1. Confirm the condition exists.

Are the brake, ABS, and/or TRAC warning light(s) 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 stored DTCs. Record ANY stored DTCs. Are ANY of the following DTCs stored: C1391, C1256, C1252, or C1253?
  - YES Continue to step 3.
  - NO This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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#### **Repair Procedure (continued)**

Replace the brake booster assembly with master cylinder and the brake booster pump assembly with NEW parts.

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

2010 Prius:

*Brake – Brake System –* "Brake System (Other): Brake Booster: Removal / Installation"

• 2010 Prius:

*Brake – Brake System –* "Brake System (Other): Brake Booster Pump: Removal / Installation"

2010 Prius PHV:

*Brake – Brake System –* "Brake System (Other): Brake Booster: Removal / Installation"

2010 Prius PHV:

*Brake – Brake System –* "Brake System (Other): Brake Booster Pump: Removal / Installation"

#### NOTE

Steps 4 and 5 do NOT apply to the Prius Plug-in Hybrid vehicle. Go to step 6 if the vehicle is a Prius Plug-in Hybrid.

4. Using Techstream, confirm the calibration ID.

Refer to the Calibration Information chart on page 3.

- Update the skid control Engine Control Unit (ECU) to the latest calibration ID.
- 6. Test-drive the vehicle to confirm the repair.