

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
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	TIME	OFF	T1	T2
Prius	BR1802	R & R Brake Booster Assembly With Master Cylinder, R & R Brake Booster Pump Assembly, and Reprogram Skid Control ECU	5.8	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	5.2	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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Parts Information

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

Required Tools & Equipment

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

* 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	F152647760
		F152647108	
		F152647109	
		F152647127	F152647770
F152647128			
F152647129			
		F152647340	F152647780
		F152647350	F152647790

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)

3. 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.
5. Update the skid control Engine Control Unit (ECU) to the latest calibration ID.
6. Test-drive the vehicle to confirm the repair.