

# Brake Warning Light Illuminated

Service  
Category Brake

Section Brake Control/Dynamic Control System Market USA

Toyota Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 – 2014	Camry	

### REVISION NOTICE

January 5, 2015 Rev1:

- The Parts Information section has been updated.
- The Required Tools & Equipment section has been added.

Any previous printed versions of this bulletin should be discarded.

## Introduction

Some 2013 – 2014 model year Camry vehicles equipped with the 2AR-FE engine may exhibit an intermittent service brake warning light “ON” condition. Customers may also notice the light will illuminate as the vehicle is being started, and some customers may notice a noise or feeling similar to the ABS activating during normal braking. The brake booster has been updated to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR1402	R & R Brake Booster Assembly	2.5	44610-06471	8C	50

### 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

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
44610-06471	44610-06470	Booster Assy, Brake	1

**NOTE**

Part number 44610-06470 MUST be used to address this condition.

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



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### Repair Procedure

1. Check to see if the *BRAKE* warning light is currently illuminated with the parking brake OFF and engine ON.

Is the *BRAKE* light illuminated?

- **YES** — Continue to step 2.
- **NO** — Go to step 5.

Figure 1.



2. Inspect the brake fluid reservoir level.

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

- 2013 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Fluid: [On-vehicle Inspection](#)”*
- 2014 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Fluid: [On-vehicle Inspection](#)”*

Is the brake fluid level above the minimum level WITHOUT the customer adding additional brake fluid?

- **YES** — Continue to step 3.
- **NO** — If the customer states they have had to add fluid for the light to go OFF, or if the brake fluid level is lower than the MIN line, check for leaks and inspect the disc brake pads and repair as needed.

## Brake Warning Light Illuminated

### Repair Procedure (Continued)

3. If the *BRAKE* light is currently illuminated, check the ABS Data List via Techstream to see if the ABS actuator is commanding the brake light ON.
  - If the *BRAKE* warning light is on and is being commanded on by ABS ECU — go to step 4.
  - If the *BRAKE* warning light is illuminated and is not being commanded on by ABS actuator — this bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 2.

ABS/VSC/TRAC		
Parameter	Value	Unit
ABS Warning Light	OFF	
Brake Warning Light	ON	
Stop Light SW	OFF	
Parking Brake SW	OFF	
Main Idle SW	ON	
Brake Pedal Load Sensing SW	OFF	
Gear Position	P,N	
Shift Lever Position	P,N	

4. Press and hold the brake pedal down firmly for 3 or more seconds while the engine is idling. Repeat this step three to five times while keeping the engine running.

Is the *BRAKE* light still illuminated?

- **YES** — If the light stays illuminated, this bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — If the *BRAKE* warning light is no longer illuminated, replace the Brake Vacuum Booster Assembly with the updated part and proceed to step 8.

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

- 2013 Camry:  
Brake – Brake System – “Brake System (Other): Brake Booster: [Removal / Installation](#)”
- 2014 Camry:  
Brake – Brake System – “Brake System (Other): Brake Booster: [Removal / Installation](#)”

5. If the *BRAKE* light is NOT currently illuminated, check the ABS ECU for DTCs that would cause the light to illuminate.

Are there any related DTCs showing?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 6.



## Brake Warning Light Illuminated

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### Repair Procedure (Continued)

6. Inspect the brake fluid reservoir level.

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

- 2013 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Fluid: [On-vehicle Inspection](#)”*
- 2014 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Fluid: [On-vehicle Inspection](#)”*

Is the brake fluid above the minimum level WITHOUT the customer adding additional brake fluid?

- **YES** — Continue to step 7.
  - **NO** — If the customer states they have had to add fluid for the light to go OFF, or if the brake fluid level is lower than the MIN line, check for leaks and inspect the disc brake pads and repair as needed.
7. Visually inspect the parking brake, ABS actuator, and master cylinder hydraulic lines and connections for any concerns that are causing the *BRAKE* warning light to illuminate intermittently.

- If there are no concerns found – replace the Brake Vacuum Booster Assembly with the updated part.

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

- 2013 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Booster: [Removal / Installation](#)”*
  - 2014 Camry:  
*Brake – Brake System – “Brake System (Other): Brake Booster: [Removal / Installation](#)”*
  - If there is a concern found – continue diagnosis using the applicable Repair Manual.
8. Test drive the vehicle confirming that the brake system is operating normally, and that the *BRAKE* warning indicator light is not abnormally illuminated.