TOYOTA
Technical Service Bulletin

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
2016 - 2020	Mirai	
2018 - 2021	Prius C	
2016 - 2021	RAV4 HV	

Introduction

Some 2016 – 2020 model year Mirai, 2018 – 2021 model year Prius C, and 2016 – 2021 model year RAV4 Hybrid vehicles may exhibit a condition in which the brake, ABS, and/or TRAC warning lights are on, and/or a Check VSC message display. One or more of the following specific Diagnostic Trouble Codes (DTCs) C1391, C1252, C1256, and/or C1253 will be stored in the vehicle memory to be used as verification. This condition may be caused by a small internal brake fluid leak inside the brake actuator. Follow the Repair Procedure in this bulletin to address this condition.

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Warranty Information

OP CODE	DESCRIPTION	MODEL	MODEL YEAR	TIME	OFP	T1	T2
BR2604	R & R Brake Booster Assy & Brake Booster Pump w/ Accumulator & Brake Master Cylinder Kit	Prius C	2018 – 2021	2.3	47050-#####* 47070-#####*	8C	99
		Mirai	2016 – 2020	4.5			
		RAV4 HV	2016 – 2018	2.6			
			2019 – 2021	3.0			

*Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

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	MODEL YEAR	PART NUMBER		PART NAME	QTY
		PREVIOUS	NEW		
Prius C	2018 – 2021	47050-52570	04005-18342	Cylinder Kit, Brake Master w/ Fluid	1
		47050-52580	04004-05447		
		47050-52590	04005-18442		
		47050-52591	04005-18542		
		47050-52592	04005-18642		
		47070-52020	04006-74152	Pump Assy, Brake Booster w/ Accumulator	
Mirai	2016 – 2020	47050-62020	04005-18742	Cylinder Kit, Brake Master w/Fluid	
		47050-62040	04005-18842		
	2016 – 2017	47070-62020 47070-62040	04005-10662	Pump Assy, Brake Booster w/ Accumulator & Bush Kit, Brake Booster Pump	
		47965-24010	04005-52140		
	2017 – 2020	47070-62060	04005-10662	Pump Assy, Brake Booster w/ Accumulator	
RAV4 HV	2016 – 2018	47050-42100	04005-18942	Cylinder Kit, Brake Master w/ Fluid	
		47070-47060	04006-22147	Pump Assy, Brake Booster w/ Accumulator	
	2019 – 2021	47050-42170	04005-19142	Cylinder Kit, Brake Master w/ Fluid	
		47050-42190	04005-19242		
		47050-42171	04005-19342		
		47050-42191	04005-19442		
		47070-42050	04009-56942	Pump Assy, Brake Booster w/ Accumulator	

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	QTY
DOT 3 Brake Fluid	1 – 2 liters

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-368-6787 or by visiting *Home – Service Resources – Toyota Tools and Equipment Program*.

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNITECP	1
Techstream Lite		TSLP3DLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ Software version 2026.03.002.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

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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 GTS+, check for and record ANY stored DTCs.
   Are ANY of the following DTCs stored: C1391, C1252, C1256, and/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.
   Refer to TIS, applicable model and model year Repair Manual:
   - 2018 – 2021 Prius C:
     Brake – Brake System (Other) – Brake Booster – Removal
   - 2016 – 2018 / 2019 – 2020 Mirai:
     Brake – Brake System (Other) – Brake Booster – Removal
   - 2016 – 2018 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster – Removal
   - 2019 / 2020 / 2021 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster (w/ Vacuum Brake Booster) – Removal
   - 2019 (11/2028 – 02/2029) / 2019 (02/2029 – 10/2019) / 2020 / 2021 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster (w/o Vacuum Brake Booster) – Removal

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Repair Procedure (continued)

4. Remove the brake booster pump assembly.
   Refer to TIS, applicable model and model year Repair Manual:
   - 2018 – 2021 Prius C:
     Brake – Brake System (Other) – Brake Booster Pump – Removal
   - 2016 – 2018 / 2019 – 2020 Mirai:
     Brake – Brake System (Other) – Brake Booster Pump – Removal
   - 2016 – 2018 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster Pump – Removal
   - 2019 (11/2018 – 02/2019) / 2019 (02/2019 – 10/2019) / 2020 / 2021:
     Brake – Brake System (Other) –
     Brake Booster Pump (w/o Vacuum Brake Booster) – Removal

5. Install the NEW brake booster.
   Refer to TIS, applicable model and model year Repair Manual:
   - 2018 – 2021 Prius C:
     Brake – Brake System (Other) – Brake Booster – Installation
   - 2016 – 2018 / 2019 – 2020 Mirai:
     Brake – Brake System (Other) – Brake Booster – Installation
   - 2016 – 2018 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster – Installation
   - 2019 – 2022 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster (w/ Vacuum Brake Booster) – Installation
   - 2019 – 2021 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster (w/o Vacuum 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:
   - 2018 – 2021 Prius C:
     Brake – Brake System (Other) – Brake Booster Pump – Installation
   - 2016 – 2020 Mirai:
     Brake – Brake System (Other) – Brake Booster Pump – Installation
   - 2016 – 2018 RAV4 HV:
     Brake – Brake System (Other) – Brake Booster Pump – Installation
   - 2019 – 2021 RAV4 HV:
     Brake – Brake System (Other) –
     Brake Booster Pump (w/o Vacuum Brake Booster) – Installation

7. Using GTS+, clear ANY stored DTCs and test-drive the vehicle to confirm the conditions are no longer present.

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