

HV Battery Cooling Fan Maintenance for Severe Usage Vehicles

Service Category Engine/Hybrid System

Section Hybrid/Battery Control System

Market USA

Toyota Supports
 ASE Certification 

Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|-------------|---------------|------------------------|
| 2006 – 2016 | Highlander HV | |
| 2012 – 2016 | Prius C | |
| 2010 – 2015 | Prius | |
| 2016 | RAV4 HV | |

REVISION NOTICE

July 7, 2016 Rev1:

- Vehicle applicability has been updated to include 2006 – 2016 model year applicable vehicles.
- The entire bulletin has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

For vehicles that are used under certain severe operating conditions, the HV Battery Cooling Fan may experience an excessive buildup of dust, lint, or other debris that can reduce the efficiency of the HV Battery Cooling System. HV Battery Cooling Fan maintenance and cleaning should be performed to address this condition.

NOTE

The following procedure should be completed every 5,000 miles OR any time the HV Battery Assembly is replaced.

Warranty Information

| OP CODE | DESCRIPTION | TIME | OFP | T1 | T2 |
|---------|----------------------------|------|-----|----|----|
| N/A | Not Applicable to Warranty | – | – | – | – |

HV Battery Cooling Fan Maintenance for Severe Usage Vehicles

Repair Procedure

1. Is the vehicle subject to any of the operating conditions detailed below?

- (1) The vehicle is used for over 15 hours per day.
- (2) The vehicle is used over 6 days per week.
- (3) The right rear seat is used over 50 times per day.
- (4) Is vehicle used in a dusty environment or driven in dusty roads

YES — Go to step 2.

NO — This Service Bulletin does NOT apply.

2. Remove the HV Battery Cooling Fan Assembly.

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

- [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”
- [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) Prius C:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) Highlander HV:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”
- [2016](#) RAV4 HV:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”

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Repair Procedure (Continued)

- Using vacuum and compressed air, if necessary, clean any dust, lint or debris build up from the HV Battery, cooling fan blades, control module, air ducts and internal/external filter of the HV Battery cooling system

Figure 1. HV Battery Cooling Fan BEFORE Cleaning



Figure 2. HV Battery Cooling Fan AFTER Cleaning



NOTICE

- Do NOT attempt to clean the HV Battery Cooling Fan while it is installed in the vehicle. Doing so may cause dust or debris to enter the HV Battery Case.
- Failure to secure the fan blades while cleaning can result in electronic circuit failure due to overturning.

- Reinstall the HV Battery Cooling Fan Assembly and verify normal operation.

Refer to TIS, applicable model year Prius Repair Manual:

- [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Installation”
- [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) Prius C:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Installation”
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Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Installation”
- [2016](#) RAV4 HV:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Installation”

- Repeat this procedure as normal maintenance every 5,000 miles.