


# HV Battery Cooling Fan Maintenance for Severe Usage Vehicles

**Service Category** Engine/Hybrid System

**Section** Hybrid/Battery Control System

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 – 2014	ES300H	

## Introduction

For vehicles that are used under certain severe operating conditions, the HV Battery Cooling Fan may exhibit 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 25,000 miles OR anytime the HV Battery Assembly is replaced.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

## Repair Procedure

1. Is the vehicle subject to all 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 rear seat is used over 50 times per day.

**YES** — Go to step 2.

**NO** — This bulletin does NOT apply.

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### Repair Procedure (Continued)

2. Remove the HV Battery Cooling Fan Assembly.

Refer to the Technical Information System (TIS), applicable model year ES 300h Repair Manual:

- [2013](#) / [2014](#) ES 300h:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”*
3. Using vacuum, and compressed air, if necessary, clean any dust, lint, or debris buildup from the HV Battery Cooling Fan blades, module, and ducts.

**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.

4. Re-install the HV Battery Cooling Fan Assembly and verify normal operation.

Refer to TIS, applicable model year ES 300h Repair Manual:

- [2013](#) / [2014](#) ES 300h:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Installation”*
5. Repeat this procedure as normal maintenance every 25,000 miles.