

Flutter/Rattle Noise From HV Battery Cooling Fan

Service Category Engine/Hybrid System

Section Cooling

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019	RAV4 HV	WMI(s): JTM VDS(s): DWRFV, RWRFV

Introduction

Some 2019 model year RAV4 Hybrid vehicles may exhibit a flutter/rattle noise during vehicle operation from the HV battery cooling fan. A new HV battery intake duct has been developed. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RAV4 HV	Nagakusa (Shokki)	Hybrid	JTMRWRFV#KD022213
			JTMDWRFV#KD508664

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1912	R & R Hybrid Battery Intake Duct	0.6	G92D1-42010	91	57

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		
G92D1-42010	G92D1-42020	Duct, HV Battery Intake	1

Required Tools & Equipment

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

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 14.10.028 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

- Using Techstream, active-test the hybrid battery cooling fan.
Refer to TIS, applicable model and model year Repair Manual:
 - 2019 RAV4 HV:
Engine/Hybrid System – Hybrid/Battery Control System – [“Hybrid / Battery Control: Hybrid Control System \(for AWD\): Data List / Active Test”](#)

Is the hybrid battery cooling fan the source of the flutter/rattle noise?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

2. Replace the HV battery intake duct with the NEW part.
Refer to TIS, applicable model and model year Repair Manual:
 - 2019 RAV4 HV:
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid / Battery Control:
Battery Blower: [Removal](#) / [Installation](#)”*

3. Confirm the flutter/rattle noise is no longer present.