

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, EWRFV, LWRFV, RWRFV

REVISION NOTICE

March 06, 2020 Rev1:

- The Applicability and Production Change Information sections have been updated. Any previous printed versions of this bulletin should be discarded.

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#KD022213 JTMLWRFV#KD022213 JTMEWRFV#KD022213
			JTMRWRFV#KD508664 JTMDWRFV#KD508664 JTMLWRFV#KD508664 JTMEWRFV#KD508664

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	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.

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 14.30.022 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. 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.
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.