

# Air Conditioning Compressor Humming/Buzzing Noise Upon Vehicle Startup

**Service Category** Vehicle Interior

**Section** Heating/Air Conditioning

**Market** USA

Toyota Supports  
ASE Certification 

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## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2021	RAV4 Prime	

## Introduction

Some 2021 model year RAV4 Prime vehicles may exhibit a short humming/buzzing noise upon startup (Ready ON) with the compressor on. Follow the Repair Procedure in this bulletin to address this condition.

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**Warranty Information**

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
800069	Reprogram Air Conditioning Amplifier	0.4	88650-42###*	91	99

\*Choose the correct OFFP for the vehicle being repaired by searching for the parts in EPC using the EPC VIN filter. Warranty claims MUST be submitted with the correct 10-digit OFFP.

**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.
- All RAV4 Prime vehicles that are registered and normally operated in California, Arizona (2012 model year only), Connecticut (starting with 2005 model year), Maine (starting with 2004 model year), Maryland (starting with 2011 model year), Massachusetts (starting with 2004 model year), New Hampshire (2005 – 2009 model year only), New Jersey (starting with 2005 model year), New Mexico (2010 – 2011 model year only), New York (beginning with 2004 model year with Zero Emissions (ZE) models only; all models starting with 2016 model year), Oregon (starting with 2008 model year), Rhode Island (starting with 2005 model year), & Vermont (starting with 2004 model year) – Partial Zero Emission Vehicle (PZEV) Emission Warranty Coverage is in effect for 15 years or 150,000 miles, from the vehicle's in-service date, whichever occurs first. (Please reference Warranty Policy Bulletin POL14-09 for additional information)
- Four additional states (Delaware (beginning with 2014 model year), Colorado (starting 2022 model year) Pennsylvania (beginning with 2008 model year), Washington (beginning with 2009 model year)) have adopted the California Emission Warranty, however, in these states performance and long-term defect warranty coverage is 7 years or 70,000 miles, whichever occurs first.

**Parts Information**

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
88650-42862	88650-42863	Amplifier Assy, Air Conditioner	1*

\*Part calibration will be updated. Part replacement is NOT covered by this Service Bulletin.

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### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	<a href="#">DCA-8000P T</a>	1

\*Essential SST.

**NOTE**

Additional SSTs may be ordered by calling 1-800-933-8335.

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 17.00.020 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit [techinfo.toyota.com](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.

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### Calibration Information

MODEL	PART	CALIBRATION ID	
		PREVIOUS	NEW
RAV4 Prime	Air Conditioning Amplifier Assembly	8865F4204003	<a href="#">8865F4204008</a>
		8865F4204004	
		8865F4204005	
		8865F4204006	

### Repair Procedure

1. Turn the vehicle ON (Ready ON) and ensure the compressor is on.  
Is the short humming/buzzing noise present?  
Refer to the link for an example of the humming/buzzing noise.  
[Humming/Buzzing noise example](#)
  - **YES** — Continue to step 2.
  - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
  
2. Use Techstream to confirm the calibration ID for the air conditioning amplifier assembly.  
Is the air conditioning amplifier assembly calibration ID 8865F4204003, 8865F4204004, 8865F4204005, or 8865F4204006?
  - **YES** — Continue to step 3.
  - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
  
3. Reflash the air conditioning amplifier assembly to calibration ID 8865F4204008.

**NOTE**

- The battery diagnostic tool **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [T-SB-0134-16](#), *Techstream ECU Flash Reprogramming Procedure*, and flash the air conditioning amplifier assembly with the NEW calibration file update.

4. Using Techstream, perform Health Check and clear ANY stored DTCs.
  
5. Confirm air conditioning compressor humming/buzzing noise is no longer present.