

A/C Inoperative and/or High Engine Temperature at a Stop

Service Category Engine/Hybrid System

Section Cooling

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012	Camry	VDS(s): BF1FK

Introduction

Some 2012 model year Camry vehicles equipped with the 2AR-FE engine may exhibit one or more of the following conditions:

- A/C inoperative while the vehicle is stopped.
- Rising engine temperature while the vehicle is stopped.

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	ENGINE	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Camry	2AR-FE	TMMK Line 1	4T1BF1FK#CU113981
		TMMK Line 2	4T1BF1FK#CU584889
		SIA	4T4BF1FK#CR225908

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
AC1202	R & R Radiator Fan(s) / A/C Amplifier	Camry	2.1	16361-0V090 16361-0V100	13	12
Combo A	R & R Cooling Fan Motor (if necessary)	—	0.1			

APPLICABLE WARRANTY

- This repair is covered under the Toyota Comprehensive 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.

A/C Inoperative and/or High Engine Temperature at a Stop

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QUANTITY	
			AUTO HVAC	MANUAL HVAC
88650-06490 88650-06491	88650-06670	Amplifier Assy, Air Conditioner	0	1
88650-06510 88650-06511	88650-06690		1	0
16361-0V090	16361-0V420	Fan	1	1
16361-0V100	16361-0V430	Fan No. 2	1	1
16363-0H010	Same	Motor, Cooling Fan	1*	1*
16363-0V130	Same	Motor, Cooling Fan, No. 2	1*	1*
00272-SLLC2	Same	Super Long Life Coolant	As needed	

* Replace Cooling Fan Motor ONLY if necessary. Refer to Repair Procedure.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream** or Techstream Lite NOTE: Software version 7.20.041 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

** Essential SST.

NOTE

Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

A/C Inoperative and/or High Engine Temperature at a Stop

Repair Procedure

1. Confirm the condition per the Introduction.
2. Inspect the radiator cooling fan blades for separation from the cooling fan motor.

Are the fan blades separated?

- **YES** — Go to step 3.
- **NO** — This bulletin does NOT apply. Continue diagnosis per the Repair Manual.

Figure 1.



3. Replace the A/C amplifier.

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

- 2012 Camry:
Vehicle Interior – Heating/Air Conditioning – “Heating/Air Conditioning: Air Conditioning Amplifier: [Removal](#) / [Installation](#)”

4. Replace the cooling fans.

Refer to TIS, applicable model and model year Repair Manual:

- 2012 Camry:
Engine/Hybrid System – Cooling – “2AR-FE Cooling: Cooling Fan Motor: [Removal](#) / [Installation](#)”

5. Inspect the cooling fan motors by spinning the shaft by hand checking for any abnormalities, and then check the amperage draw according to the Repair Manual.

Refer to TIS, applicable model and model year Repair Manual:

- 2012 Camry:
Engine/Hybrid System – Cooling – “2AR-FE Cooling: Cooling Fan Motor: [On-Vehicle Inspection](#)”

6. If there are any abnormalities found with the cooling fan motors, replace the cooling fan motors.

Refer to TIS, applicable model and model year Repair Manual:

- 2012 Camry:
Engine/Hybrid System – Cooling – “2AR-FE Cooling: Cooling Fan Motor: [Removal](#) / [Installation](#)”

7. Verify the vehicle operates properly and the A/C functions normally.