

HVAC - A/C Not Cooling - Refrigerant Leak

Service Category Vehicle Interior

Section Heating/Air Conditioning

Market USA

Toyota Supports
 ASE Certification 

Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|---------|----------|------------------------|
| 2018 | C-HR | |

Introduction

Some 2018 model year C-HR vehicles may exhibit a condition where the HVAC system intermittently blows warm air from the vents with the A/C on. 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 VIN shown below.

| MODEL | PLANT | DRIVETRAIN | PRODUCTION CHANGE EFFECTIVE VIN |
|-------|-------|------------|---------------------------------|
| C-HR | TMMT | 3ZR-FAE | NMTKHMBX#JR039783 |

Warranty Information

| OP CODE | DESCRIPTION | TIME | OFF | T1 | T2 |
|---------|---|------|-------------|----|----|
| AC1801 | R & R Air Conditioner Tube and Accessory Assembly | 4.0 | 88716-F4030 | 7A | 71 |

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 | | |
| | 88716-F4030 | Tube, Liquid, No. 1 | 1 |

Required Tools & Equipment

| REQUIRED EQUIPMENT | SUPPLIER | PART NUMBER |
|--|----------|-------------|
| R-1234yf Refrigerant Recovery/Recycling Machine* | ADE | 11815-00008 |

*Essential Equipment

NOTE

Additional refrigerant service equipment may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Confirm the condition exists.
 - A. Does the HVAC system intermittently blow warm air from the vents with the A/C ON?
 - **YES** — Continue to substep B.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

- B. Recover refrigerant from the refrigeration system.

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

- 2018 C-HR:
Vehicle Interior – Heating/Air Conditioning – [“Heating / Air Conditioning: Refrigerant\(for HFO-1234yf\(R1234yf\)\): Replacement”](#)

Is the amount of refrigerant within the standard charge amount?

Refrigerant Type: HFO-1234yf

Standard Charge Amount: 355 – 415 g

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

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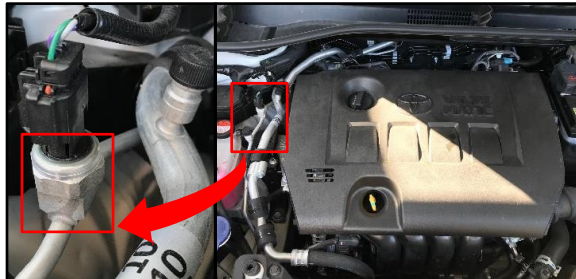
Repair Procedure (continued)

- C. Charge the air conditioning system with refrigerant and inspect for refrigerant leaks. Refer to TIS, applicable model and model year Repair Manual:
 - 2018 C-HR:
 - Vehicle Interior – Heating/Air Conditioning* – [“Heating / Air Conditioning: Refrigerant \(for HFO-1234yf\(R1234yf\)\): Replacement”](#)

- D. Can ANY refrigerant leaks be located other than at the pressure sensor brazing area on the cooler refrigerant liquid pipe?
 - **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - **NO** — Continue to step 2.

NOTE

Due to the brazing process of the pressure sensor (as shown) to the cooler refrigerant liquid pipe, some refrigerant leaks are so small that they CANNOT be detected by conventional leak detection methods. In these cases, it is recommended to replace the cooler refrigerant liquid pipe.



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Repair Procedure (continued)

2. Recover refrigerant from the refrigeration system and replace the cooler refrigerant liquid pipe as shown.

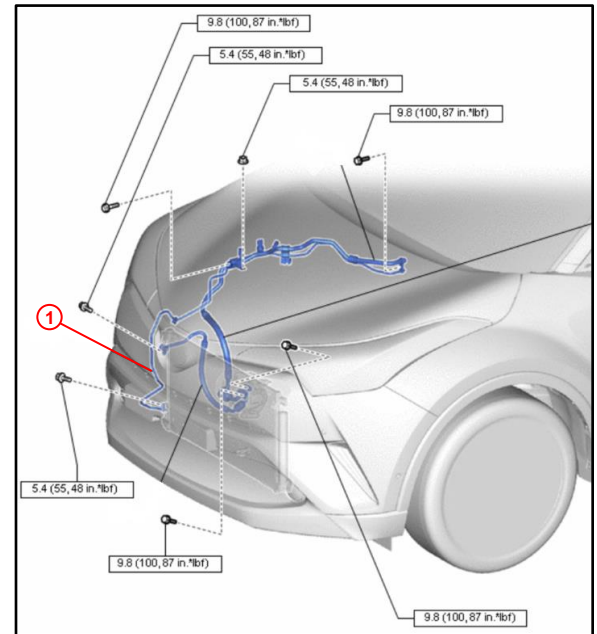
Refer to TIS, applicable model and model year Repair Manual:

- 2018 C-HR:
Vehicle Interior – Heating/Air Conditioning
 – [“Heating / Air Conditioning: Refrigerant Line: Components”](#)
- 2018 C-HR:
Vehicle Interior – Heating/Air Conditioning
 – [“Heating / Air Conditioning: Refrigerant\(for HFO-1234yf \(R1234yf\)\): Replacement”](#)

NOTE

A label is attached to the NEW cooler refrigerant liquid pipe.

Figure 2.



| | |
|----------|---------------------------------------|
| 1 | Cooler Refrigerant Liquid Pipe |
|----------|---------------------------------------|

3. Charge the air conditioning system with refrigerant.
 Refer to TIS, applicable model and model year Repair Manual:
 - 2018 C-HR:
Vehicle Interior – Heating/Air Conditioning – [“Heating / Air Conditioning: Refrigerant\(for HFO-1234yf\(R1234yf\)\): Replacement”](#)
4. Confirm that the HVAC system no longer blows warm air from the vents with the A/C ON.