

# Evaporator Drain Hose Plastic Obstruction

**Service Category** Vehicle Interior

**Section** Heating/Air Conditioning

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020 - 2021	RAV4, RAV4 HV	WMI(s): 2T3, 4T3

## Introduction

Some 2020 – 2021 model year TMMC and TMMK built RAV4 and RAV4 Hybrid vehicles may exhibit damp carpeting in the front floor area. This may be due a condition in which the inside of the HVAC drain cooler hose is obstructed with plastic. 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	TMMC (Cambridge)	2WD	2T3Y1RFV#MC127034
			2T3W1RFV#MC127034
			2T3C1RFV#MC127034
			2T3H1RFV#MC127034
			2T3Z1RFV#MC127034
		AWD	2T3N1RFV#MC192105
			2T3D1RFV#MC192105
			2T3P1RFV#MC192105
			2T3R1RFV#MC192105
			2T3F1RFV#MC192105
			2T3B1RFV#MC192105

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Production Change Information (continued)

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN	
RAV4	TMMC (Woodstock)	2WD	2T3Y1RFV#MW138728	
			2T3W1RFV#MW138728	
			2T3C1RFV#MW138728	
			2T3H1RFV#MW138728	
			2T3Z1RFV#MW138728	
		RAV4 HV	AWD	2T3D1RFV#MW187057
				2T3P1RFV#MW187057
				2T3R1RFV#MW187057
				2T3J1RFV#MW187057
				2T3F1RFV#MW187057
2T3B1RFV#MW187057				
2T3DWRFV#MW111375				
2T3RWRFV#MW111375				
2T3LWRFV#MW111375				
2T3BWRFV#MW111375				
2T3EWRFV#MW111375				
2T3MWRFV#MW111375				
2T3D6RFV#MW021240				
2T3R6RFV#MW021240				
2T3L6RFV#MW021240				
2T3B6RFV#MW021240				
2T3E6RFV#MW021240				
2T3M6RFV#MW021240				

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### Production Change Information (continued)

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RAV4 HV	TMMK	AWD	4T3LWRFV#MU012027
			4T3RWRFV#MU012027
			4T3DWRFV#MU012027
			4T3MWRFV#MU012027
			4T3EWRFV#MU012027
			4T3L6RFV#MU024542
			4T3R6RFV#MU024542
			4T3D6RFV#MU024542
			4T3M6RFV#MU024542
			4T3E6RFV#MU024542
			4T3B6RFV#MU024542

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
AC2030	R & R Hose, Drain Cooler	0.7	88539-0R050	66	13

#### 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
88539-0R050	Hose, Drain Cooler	1

## Evaporator Drain Hose Plastic Obstruction

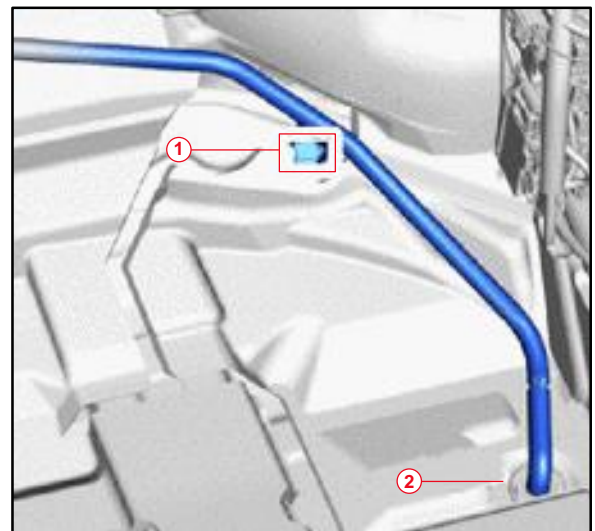
### Repair Procedure

1. Confirm the condition exists.  
 Is there condensation accumulating in the HVAC box leaking into the vehicle interior on the passenger side floorboard?
  - **YES** — Continue to step 2.
  - **NO** — This bulletin does not apply. Continue diagnosis using the applicable Repair Manual.

2. Remove the HVAC drain cooler hose.
  - A. Detach the clamp.
  - B. Disconnect the HVAC drain cooler hose from the cooler unit drain hose grommet.

**NOTE**  
 If the cooler unit drain hose grommet was removed from the body, replace it with a NEW one.

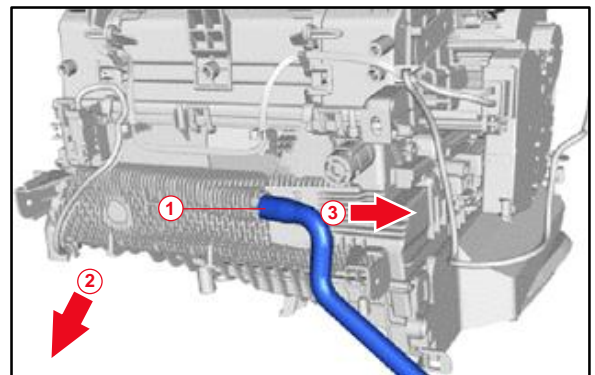
**Figure 1.**



<b>1</b>	<b>Clamp</b>
<b>2</b>	<b>Cooler Unit Drain Hose Grommet</b>

- C. Remove the HVAC drain cooler hose from the HVAC box.

**Figure 2.**



<b>1</b>	<b>HVAC Drain Cooler Hose Fitting on HVAC Box</b>
<b>2</b>	<b>Back of Vehicle</b>
<b>3</b>	<b>Removal Direction</b>

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### Repair Procedure (continued)

3. Loosely cover the end of the HVAC drain cooler hose with a plastic bag, leaving room for air to inflate the bag. Blow compressed air at no more than 20 psi (140 kPa) through the drain tube.

**CAUTION**

**ALWAYS** wear the appropriate PPE when working with compressed air (eye protection and ear protection).

Did non-plastic debris come out of the HVAC drain cooler hose?

- **YES** — This bulletin does NOT apply. Reference [T-SB-0080-19 HVAC Evaporator Drain Hose Clogged Due to Insect Intrusion](#) or continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 4.

4. Install the NEW HVAC drain cooler hose.
  - A. Align the hose notch with the rib as shown and install the NEW HVAC drain cooler hose.

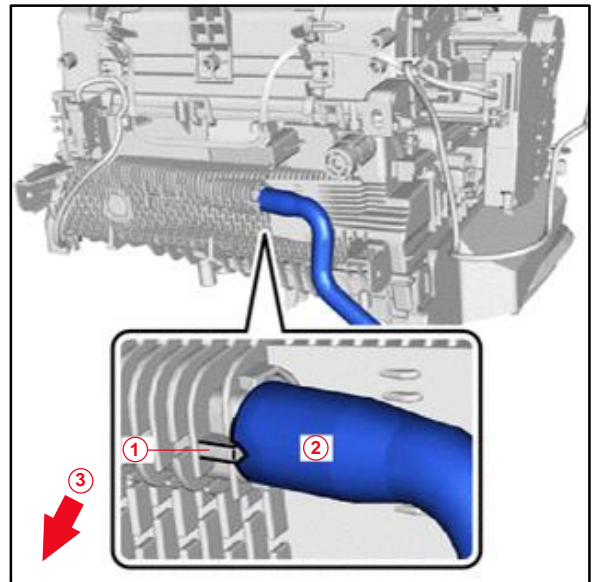
**NOTICE**

Do NOT place the rib on top of the drain cooler hose. Otherwise, water may leak into the vehicle interior.

**Figure 3.**



**Figure 4.**



1	Rib
2	Hose Notch
3	Back of Vehicle

## Evaporator Drain Hose Plastic Obstruction

### Repair Procedure (continued)

- B. Connect the HVAC drain cooler hose to the cooler unit drain hose grommet.
- C. Attach the clamp.

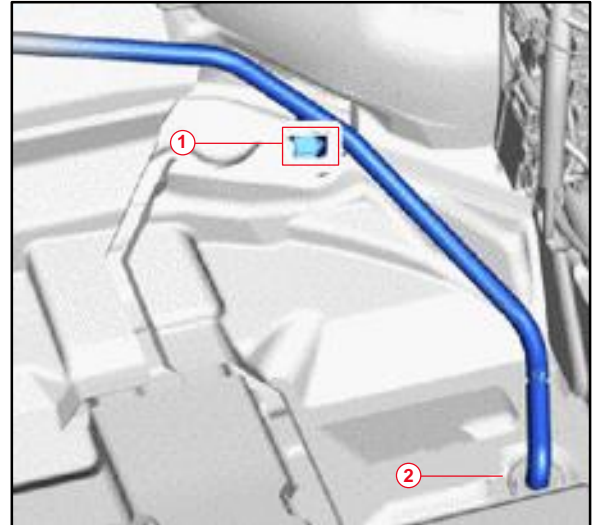
**NOTICE**

**When installing the HVAC drain cooler hose, make sure it is NOT twisted or crushed. Otherwise, water may leak into the interior.**

**NOTE**

If the cooler unit drain hose grommet was removed from the body, replace it with a NEW one.

**Figure 5.**



<b>1</b>	<b>Clamp</b>
<b>2</b>	<b>Cooler Unit Drain Hose Grommet</b>

- 5. Confirm the condition no longer exists.
  
- 6. If necessary, reference [T-SB-0094-21](#) *Odor Remediation After Water Intrusion*.