

# HVAC Evaporator Drain Hose Clogged Due to Insect Intrusion

**Service Category** Vehicle Interior

**Section** Heating/Air Conditioning

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2014	4Runner, Prius	
2013 – 2014	Avalon HV, RAV4 EV	
2007 – 2014	Avalon, Camry, Camry HV, FJ Cruiser	
2009 – 2014	Corolla, Venza	
2008 – 2014	Highlander, Highlander HV	
2009 – 2013	Matrix	
2012 – 2013	Prius C	
2010, 2012 – 2014	Prius PHV	
2012 – 2014	Prius V	
2006 – 2014	RAV4	
2011 – 2014	Sienna	
2007 – 2014	Yaris	

## Introduction

Some vehicles in particular geographic areas may exhibit a condition where the HVAC Evaporator Drain Hose has become obstructed with an insect nest. An insect repellent drain hose tip (ARINIX<sup>®</sup> Tip) is now available to help minimize future occurrences of this environmental condition. For some models, a new drain hose is required to properly fit the ARINIX<sup>®</sup> Tip. Follow the procedures in this bulletin for proper handling and installation of this optional service part.

### NOTE

The ARINIX<sup>®</sup> Tip is NOT registered or labeled for sale or use outside the United States or Puerto Rico.

## HVAC Evaporator Drain Hose Clogged Due to Insect Intrusion

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	-	-	-	-

### Parts Information

MODEL	MODEL YEAR	PART NUMBER		PART NAME	REPAIR PROCEDURE	QTY	
		PREVIOUS	NEW				
All	2006 – 2014	87265-33010		Connector, Water Hose (ARINIX® Tip)	All	1	
4Runner	2010 – 2014	88539-60340		Hose, Drain Cooler	B	1	
Avalon	2007 – 2014	88539-06121	88539-33160		A	1	
Avalon HV	2013 – 2014				A	1	
Camry/Camry HV	2007 – 2014	88539-06121 88539-06120 88539-33090	88539-33160		A	1	
Corolla	2009 – 2013	88539-02160 88539-02410 88539-12200	88539-02270		A	1	
		90480-26030			Grommet	1	
	2014	88539-02270			A	1	
FJ Cruiser	2007 – 2014	88539-35030			A	1	
Highlander (NAP)	2010 – 2014	88539-0E010			Hose, Drain Cooler	B	1
Highlander/Highlander HV (Japan Prod)	2008 – 2014	88539-48040	88539-0E010		A	1	
Matrix	2009 – 2013	88539-02160	88539-02270	A	1		
			90480-26030	Grommet	1		
Prius	2010 – 2013	88539-12200	88539-12230	Hose, Drain Cooler	A	1	
			90480-26030	Grommet	1		
	2014	88539-12230		B	1		
Prius C	2012 – 2013	88539-52040		Hose, Drain Cooler	B	1	
Prius PHV	2010 – 2012	88539-12200	88539-12230	A	1		
			90480-26030	Grommet	1		
	2013	88539-12230		Hose, Drain Cooler	B	1	

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### Parts Information (Continued)

MODEL	MODEL YEAR	PART NUMBER		PART NAME	REPAIR PROCEDURE	QTY
		PREVIOUS	NEW			
Prius V	2012 – 2013	88539-12200	88539-12230	Hose, Drain Cooler	A	1
			90480-26030	Grommet		1
	2014	88539-12230			B	1
RAV4	2006 – 2012	88539-0R010 88539-42060 88539-42061	88539-0R011	Hose, Drain Cooler	C	1
	2013 – 2014	88539-42061	88539-0R011	Hose, Drain Cooler	D	1
RAV4 EV	2013 – 2014	88539-0R010	88539-0R011			1
Sienna	2011 – 2014	88539-08070		Hose, Drain Cooler	B	1
Venza	2009 – 2014	88539-0T010				1
Yaris	2007 – 2010	88539-52020				1
	2011 – 2014	88539-52040				1

### Required Tools & Equipment

TOOLS	QUANTITY
Chemical Resistant Gloves (Made from Waterproof Material)	1

### Safety Requirements for Handling the ARINIX® Tip (Connector, Water Hose)

- Follow the manufacturer’s instructions for cleaning/maintaining Personal Protection Equipment (PPE). If no such instructions for cleaning/maintaining PPE exist, use detergent and hot water. Keep PPE separate from other laundry.
- Users should remove PPE immediately after handling this product.
- Wash the outside of the gloves before removing.
- Users should wash hands before eating, drinking, chewing gum, or using the toilet.

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### Safety Requirements for Handling the ARINIX® Tip (Connector, Water Hose) (Continued)

**CAUTION****IF SWALLOWED:**

Call the poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow.

- Do NOT induce vomiting unless instructed by the poison control center or doctor.
- Do NOT give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:**

Take off the contaminated clothing immediately. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:**

Hold eye open and rinse gently and slowly with water for 15 to 20 minutes. Remove contact lenses (if present) after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

**HOTLINE NUMBER:**

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. You may also contact 800-424-9300 for emergency medical treatment information.

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### Directions for Use on ALL Repair Procedures

The ARINIX® Tip contains permethrin, a pesticide, as the active ingredient. Please note, it is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### Repair Procedure A

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Connector, Water Hose) section of this bulletin.
2. Locate the HVAC Evaporator Drain Hose.
3. Following the vehicle specific Repair Manual, remove the HVAC Evaporator Drain Hose.
4. Put on all necessary PPE and install the ARINIX® Tip (Connector, Water Hose) into the NEW HVAC Evaporator Drain Hose listed in the Parts Information section of this bulletin.
5. When installing the ARINIX® Tip, verify it is fully seated in the HVAC Evaporator Drain Hose as shown in Figure 1.
6. Following the vehicle specific Repair Manual, install the HVAC Evaporator Drain Hose.

Figure 1.



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### Repair Procedure B

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Connector, Water Hose) section of this bulletin.
2. Locate the HVAC Evaporator Drain Hose.
3. Following the vehicle specific Repair Manual, remove the HVAC Evaporator Drain Hose.
4. Put on all necessary PPE and install the ARINIX® Tip into the original HVAC Evaporator Drain Hose listed in the Parts Information section of this bulletin.
5. When installing the ARINIX® Tip, verify it is fully seated in the HVAC Evaporator Drain Hose as shown in Figure 1.
6. Following the vehicle specific Repair Manual, install the HVAC Evaporator Drain Hose.

### Repair Procedure C

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Connector, Water Hose) section of this bulletin.
2. Locate the HVAC Evaporator Drain Hose.
3. Following the vehicle specific Repair Manual, remove the HVAC Evaporator Drain Hose.
4. Before installing the ARINIX® Tip (Connector, Water Hose) into the NEW HVAC Evaporator Drain Hose, the end of the hose needs to be cut perpendicular as shown in Figure 2.

Figure 2.



5. Put on all necessary PPE and install the ARINIX® Tip into the NEW HVAC Evaporator Drain Hose listed in the Parts Information section of this bulletin.

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### Repair Procedure C (Continued)

6. When installing the ARINIX<sup>®</sup> Tip, verify it is fully seated in the HVAC Evaporator Drain Hose as shown in Figure 1.
7. Following the vehicle specific Repair Manual, install the HVAC Evaporator Drain Hose.

### Repair Procedure D

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX<sup>®</sup> Tip (Connector, Water Hose) section of this bulletin.
2. Locate the HVAC Evaporator Drain Hose
3. Following the vehicle specific Repair Manual, remove the HVAC Evaporator Drain Hose.
4. Before installing the ARINIX<sup>®</sup> Tip (Connector, Water Hose) into the original HVAC Evaporator Drain Hose, the end of the hose needs to be cut perpendicular as shown in Figure 2.
5. Put on all necessary PPE and install the ARINIX<sup>®</sup> Tip into the original HVAC Evaporator Drain Hose listed in the Parts Information section of this bulletin.
6. When installing the ARINIX<sup>®</sup> Tip, verify it is fully seated in the HVAC Evaporator Drain Hose as shown in Figure 1.
7. Following the vehicle specific Repair Manual, install the HVAC Evaporator Drain Hose.