

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 - 2022	4Runner, Prius	
2013 - 2022	Avalon HV	
2007 - 2022	Avalon, Camry, Camry HV	
2018 - 2022	C-HR	
2022	Corolla Cross, Tundra	
2019 - 2022	Corolla Hatchback	
2009 - 2022	Corolla	
2007 - 2014	FJ Cruiser	
2008 - 2022	Highlander, Highlander HV	
2009 - 2013	Matrix	
2016 - 2022	Mirai	
2012 - 2018	Prius C	
2010, 2012 - 2015	Prius PHV	
2017 - 2022	Prius Prime	
2012 - 2017	Prius V	
2013 - 2014	RAV4 EV	
2006 - 2022	RAV4	
2021 - 2022	Sienna HV, Venza HV	
2011 - 2020	Sienna	
2010 - 2022	Tacoma	

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2009 - 2016	Venza
2007 - 2019	Yaris
2017 - 2018	iM

REVISION NOTICE

July 26, 2021 Rev1:

- Applicability has been updated to include 2010 – 2022 model year Toyota vehicles.
- The Parts Information section has been modified.
- The Repair Procedure E section has been added.

Any previous printed versions of this bulletin should be discarded.

SUPERSESSON NOTICE

The information contained in this bulletin supersedes Service Bulletin No. T-SB-0033-14.

- Applicability has been updated to include 2019 model year Toyota vehicles.

Service Bulletin No. T-SB-0033-14 is obsolete and any printed versions should be discarded.

Introduction

Some 2006 – 2022 model year Toyota 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[®] Tip) is available to help minimize future occurrences of this environmental condition. For some models, a new drain hose is required to properly fit the ARINIX[®] Tip. Follow the procedures in this bulletin for proper handling and installation of this optional service part.

NOTE

The ARINIX[®] Tip is NOT registered or labeled for sale or use outside the United States or Puerto Rico.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

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Parts Information

MODEL	MODEL YEAR	PART NUMBER		PART NAME	REPAIR PROCEDURE	QTY
		PREVIOUS	NEW			
All	2006 – 2022	87265-33010		Water Hose Connector (ARINIX® Tip)	All	1
4Runner	2010 – 2022	88539-60340		Hose, Drain Cooler	B	1
Avalon	2007 – 2018	88539-06121	88539-33160		A	1
Avalon HV	2013 – 2018					
Avalon/ Avalon HV	2019 – 2022	88539-33130 88888-06020		Hose, Drain Cooler, Grommet	E	1
Camry/ Camry HV	2007 – 2017 (NAP) 2007 – 2011 (Japan Prod.)	88539-06121 88539-06120 88539-33090	88539-33160	Hose, Drain Cooler	A	1
Camry (NAP and Japan Prod.)	2018 – 2022	88539-06230 88888-06020		Hose, Drain Cooler, Grommet	E	1
Camry (AWD)	2021 – 2022					1
C-HR	2018 – 2022	88539-47060 88888-06020 88539-F4010 88888-47010			D	1
Corolla iM	2016 – 2019	88539-12230		Hose, Drain Cooler	B	1
Corolla Hatchback	2019 – 2022	88539-47060				1
Corolla	2009 – 2013	88539-02160 88539-02410 88539-12200	88539-02270		A	1
		90480-26030		Grommet		
	2014 – 2019	88539-02270		1		
	2019 – 2022	88539-47060		Hose, Drain Cooler	B	1

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Parts Information (continued)

MODEL	MODEL YEAR	PART NUMBER		PART NAME	REPAIR PROCEDURE	QTY
		PREVIOUS	NEW			
Corolla Cross	2022	88539-02430		Hose, Drain Cooler	B	1
FJ Cruiser	2007 – 2014	88539-35030				1
Highlander/ Highlander HV (NAP)	2010 – 2016	88539-0E010				1
Highlander/ Highlander HV (Japan Prod.)	2008 – 2013	88539-48040	88539-0E010	Hose, Drain Cooler	A	1
Highlander/ Highlander HV	2017 – 2019	88539-0E010	88539-0E090			1
	2020 – 2022	88539-0E100 88888-06020		Hose, Drain Cooler, Grommet	E	1
Matrix	2009 – 2013	88539-02160	88539-02270	Grommet	A	1
			90480-26030			1
Mirai	2016 – 2020	88539-12230		Hose, Drain Cooler	B	1
	2021 – 2022	88539-11020 88539-50210				1
Prius	2010 – 2013	88539-12200 88539-02160	88539-12230			Grommet
			90480-26030	1		
	2014 – 2015	88539-12230		Hose, Drain Cooler	B	1
2016 – 2022	88539-47060		1			
Prius C	2012 – 2018	88539-52040				1
Prius PHV	2010 – 2012	88539-12200 88539-02160	88539-12230	Grommet	A	1
			90480-26030			1
	2013 – 2015	88539-12230		Hose, Drain Cooler	B	1
Prius Prime	2017 – 2022	88539-47060		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
		88539-02160	90480-26030	Grommet		1
	2014 – 2017	88539-12230		Hose, Drain Cooler	B	1
RAV4	2006 – 2018	88539-0R010	88539-0R011		Hose, Drain Cooler	C
		88539-42060				
	2019 – 2022	88539-0R050 88888-06020		Hose, Drain Cooler, Grommet	D	1
RAV4 EV	2013 – 2014	88539-0R010	88539-0R011	Hose, Drain Cooler	C	1
Sienna	2011 – 2020	88539-08070			B	1
Sienna HV	2021 – 2022	88539-08200				1
Tacoma	2010 – 2019	88539-04050				1
Tundra	2022	88897-0C090				Grommet Cooler
Venza	2009 – 2016	88539-0T010		Hose, Drain Cooler	1	
Venza HV	2021 – 2022	88539-42070 88888-47010		Hose, Drain Cooler, Grommet	E	1
Yaris	2007 – 2010	88539-52020		Hose, Drain Cooler	B	1
	2010 – 2011	88539-52040				1
Yaris (Japan Prod.)	2011 – 2014	88539-52040				1
Yaris (France Prod.)	2014 – 2019	88539-0D180				1

Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QUANTITY
Chemical Resistant Gloves (Made From Waterproof Material)	1

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

- 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.

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 – 20 minutes. Call the poison control center or doctor for treatment advice.

IF IN EYES:

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

HOTLINE NUMBER:

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

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.

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Repair Procedure A

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX[®] Tip (Water Hose Connector) 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 (water hose connector) 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.

Figure 1.



6. Following the vehicle specific Repair Manual, install the HVAC evaporator drain hose.

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Repair Procedure B

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Water Hose Connector) 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 (water hose connector) 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.

Repair Procedure C

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Water Hose Connector) 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 (water hose connector) into the NEW HVAC evaporator drain hose, the end of the hose MUST 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.
6. When installing the ARINIX® 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.

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Repair Procedure D

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Water Hose Connector) 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 (water hose connector) into the original HVAC evaporator drain hose, the end of the hose MUST be cut perpendicular as shown in Figure 2.
5. 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.
6. When installing the ARINIX® 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 E

1. Follow the instructions provided in the Safety Requirements for Handling the ARINIX® Tip (Water Hose Connector) section of this bulletin.
2. Locate the HVAC evaporator drain hose and floor grommet.
3. Following the vehicle specific Repair Manual, remove the HVAC evaporator drain hose and floor grommet.
4. Put on ALL necessary PPE and install the ARINIX® Tip (water hose connector) 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 and the NEW floor grommet.