

Fresh/Recirculation Servo Actuator Separation

Service Category Vehicle Interior

Section Heating/Air Conditioning

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019	Avalon, Avalon HV	
2018	Camry, Camry HV	

Introduction

Some 2018 model year Camry and Camry Hybrid and 2019 model year Avalon and Avalon Hybrid vehicles may exhibit decreased front windshield defroster performance at extremely low ambient temperatures. This condition may be the result of the fresh/recirculation servo actuator separating from the servo. This condition does not affect the airflow of the defroster. Follow the Repair Procedure in this bulletin to address this condition.

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Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	TRIM	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMMK Line 1	L, LE, SE, XLE	4 Cyl	4T1B11HK#KU159763
		XSE		4T1B61HK#KU159763
		XLE, XSE	V6	4T1BZ1HK#KU021764
Camry HV		LE	Hybrid	4T1B31HK#KU004785
				SE, XLE
Avalon		XLE, XSE, Limited, Touring	V6	4T1BZ1FB#KU016292
Avalon HV	Hybrid		4T1B21FB#KU005117	
Camry	TMMK Line 2	L, LE, SE, XLE	4 Cyl	4T1B11HK#KU679316
		XSE		4T1B61HK#KU679316
		XLE, XSE	V6	4T1BZ1HK#KU506980
Camry HV		LE	Hybrid	4T1B31HK#KU508687
				SE, XLE

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
AC1902	Inspect and Reinstall Fresh/Recirculation Servo Motor Actuator	Camry, Camry HV, Avalon, Avalon HV	0.6	87106-0E130	62	57
870551	Inspect and Replace Damper Servo Sub-Assembly	Camry	5.2			
		Camry HV, Avalon	5.3			
		Avalon HV	5.4			

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		
	87106-0E130	Servo Sub-assy, Damper	1

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Plastic Pry Tool Kit*	00002-06020-01	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 13.30.018 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Repair Procedure

1. Confirm the condition exists.
 - A. Has the customer experienced or does the vehicle exhibit decreased front windshield defroster performance at extremely low ambient temperatures?
 - **YES** — Continue to substep B.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - B. Remove the glove compartment door assembly.
 Refer to TIS, applicable model and model year Repair Manual:
 - 2018 ([03/2017 – 06/2017](#) / [06/2017 –](#)) Camry:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Removal”
 - [2018](#) Camry HV:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Removal”
 - [2019](#) Avalon:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Removal”
 - [2019](#) Avalon HV:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Removal”
 - C. Check the fresh/recirculation servo motor actuator.
 Is the actuator separated from the blower assembly?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Actuator Installed



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Repair Procedure (continued)

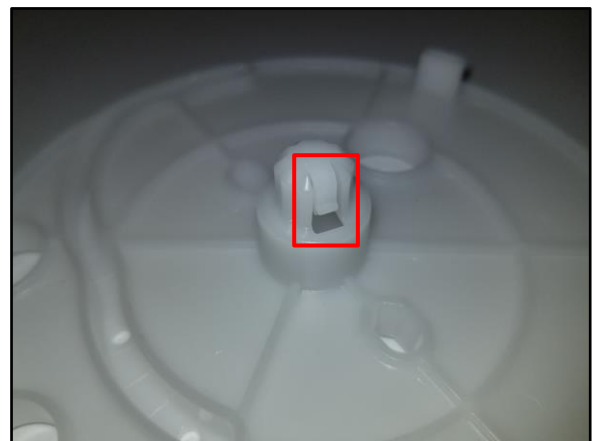
2. Check for the servo motor actuator on the passenger kick plate or in the passenger side foot well.
Is the servo motor actuator present?
 - **YES** — Continue to step 3.
 - **NO** — Go to step 4.

Figure 2.



3. Inspect the servo motor actuator for ANY damage, specifically the locking tab.
Is ANY damage present?
 - **YES** — Continue to step 4.
 - **NO** — Go to step 5.

Figure 3.



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Repair Procedure (continued)

- Install a NEW damper servo sub-assy.

NOTE

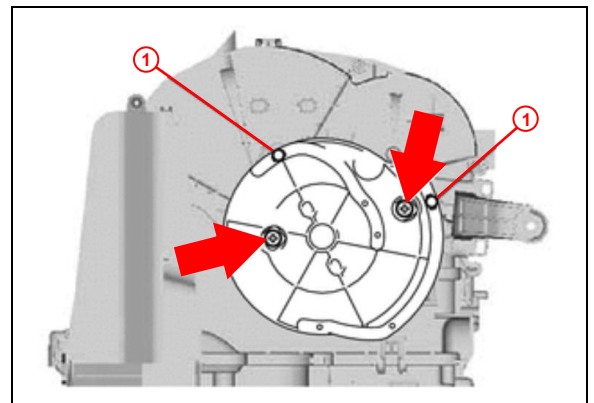
Installation of a NEW damper servo sub-assy is ONLY required if the servo motor actuator is missing or damaged.

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

- [2018](#) Camry:
Vehicle Interior – Heating/Air Conditioning – “Heating / Air Conditioning: Blower Unit: Reassembly”
- [2018](#) Camry HV:
Vehicle Interior – Heating/Air Conditioning – “Heating / Air Conditioning: Blower Unit: Reassembly”
- [2019](#) Avalon:
Vehicle Interior – Heating/Air Conditioning – “Heating / Air Conditioning: Blower Unit: Reassembly”
- [2019](#) Avalon HV:
Vehicle Interior – Heating/Air Conditioning – “Heating / Air Conditioning: Blower Unit: Reassembly”

- Reinstall the servo motor actuator.
With two links of the blower assembly in the appropriate channels (as shown), install the servo motor actuator to the servo motor until a click is heard.

Figure 4.



1	Link
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Repair Procedure (continued)

6. Confirm operation of the fresh/recirculation servo motor actuator.
Cycle through fresh and recirculation modes with the glove compartment removed to observe the actuator cycling.

7. Reinstall the glove compartment door assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - 2018 ([03/2017 – 06/2017](#) / [06/2017 –](#)) Camry:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Installation”
 - [2018](#) Camry HV:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Installation”
 - [2019](#) Avalon:
Vehicle Interior – Interior Panels/Trim – “Interior Panels / Trim: Instrument Panel Safety Pad: Installation”
 - [2019](#) Avalon HV:
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