

Blower Assembly Improvement

Service Category Vehicle Interior

Section Heating/Air Conditioning

Market USA

Scion Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2005 – 2008	tC	

Introduction

Some customers may complain of a noise or inconsistent blower motor speed when operating the blower motor. The blower assembly has been improved to reduce noise and maintain consistent blower speed. The improved blower assembly has also been equipped with an air conditioning filter to reduce dust from entering the vehicle. Please follow the procedures listed below to remove and replace the blower assembly and install an air conditioning filter information label.

Production Change Information

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

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
Scion tC	JTKDE1#7*90275360

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
87130-21021	87130-21022	Blower Assembly	1
N/A	87529-50010	A/C Filter Information Label	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
870151	R & R Blower Assembly	2.0	87130-21021	72	54

APPLICABLE WARRANTY

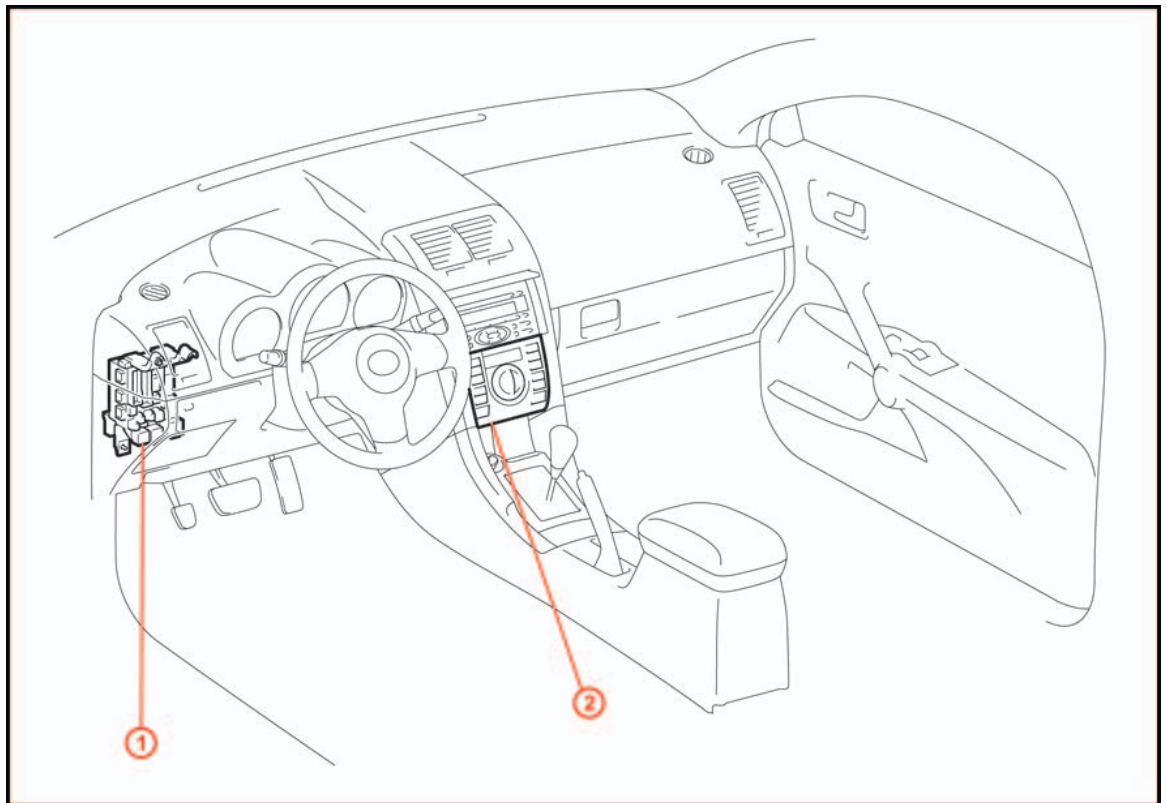
- This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to correction of a problem based upon a customer's specific complaint.

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Repair Procedure

1. Confirm excessive noise from blower motor.
 - A. If excessive noise is present from the blower motor continue to step 3.
 - B. If excessive noise is not present from the blower motor continue to step 2.
2. Check blower motor control signal voltage.
 - A. Locate the A/C Amplifier.

Figure 1.



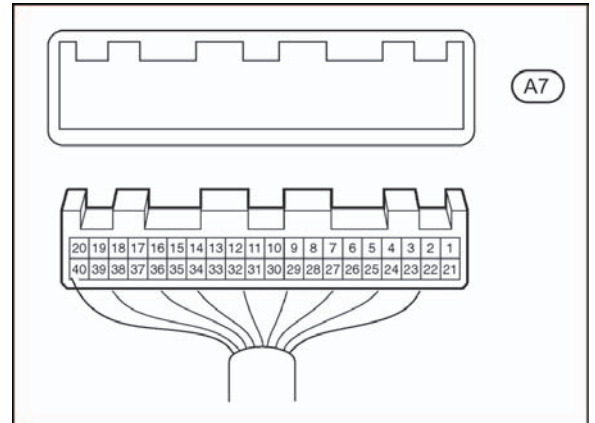
1	Instrument panel junction block
2	Heater control assembly (A/C amplifier assembly)

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Repair Procedure (Continued)

- B. Measure the blower motor speed control signal voltage with a DVOM across terminals 9 and 12 of connector A7 at the A/C Amplifier.

Figure 2.



- C. Turn ignition “ON” and blower speed to low.
- D. A voltage of about 3.70V should be output.
- (1) If output voltage is correct, proceed to step 3.
 - (2) If output voltage is NOT present, or is incorrect, refer to repair manual for further diagnosis.
3. Remove and replace the Blower Assembly.

Refer to the Technical Information System (TIS), 2005 model year Scion tC Repair Manual,

- [Vehicle Interior — Heater & Air Conditioner — “Blower Assembly: Overhaul”](#).

Refer to TIS, 2006 — 2008 applicable model year Scion tC Repair Manual:

Removal:

- [2006](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Removal”.
- [2007](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Removal”.
- [2008](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Removal”.

Installation:

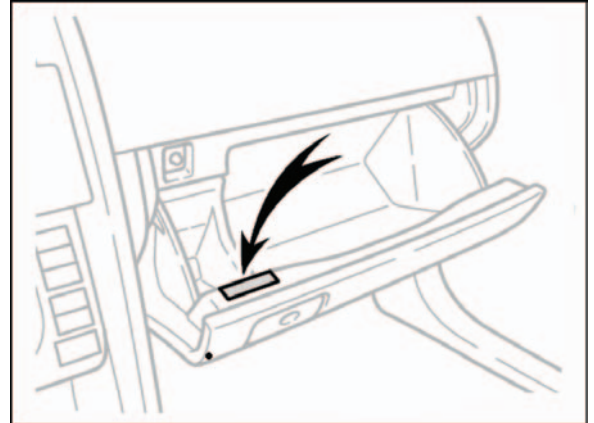
- [2006](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Installation”.
- [2007](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Installation”.
- [2008](#) Vehicle Interior — Heating/Air Conditioning — “Blower Unit: Installation”.

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Repair Procedure (Continued)

4. Install A/C Filter Information Label.
 - A. Open glove box and remove any dust or debris from the interior of the glove box door.
 - B. Remove backing from air conditioning filter information label and adhere to glove box as shown in Figure 4.

Figure 3.



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Checking and Replacing the Air Conditioning Filter

The air conditioning filter may need to be replaced if the air flow of the air conditioner and heater experience reductions in operating efficiency, or if the windows begin to fog up easily.

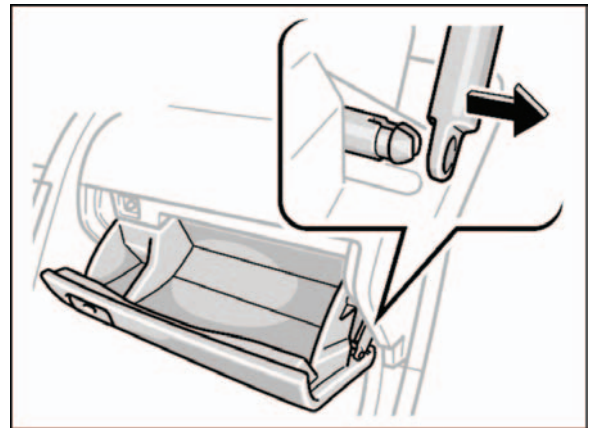
To maintain air conditioning efficiency, inspect and replace the air conditioning filter every 30,000 miles or 36 months. In dusty areas or areas with heavy traffic flow, more frequent replacement may be required.

Repair Procedure

1. Turn off the engine before removing the air conditioning filter.

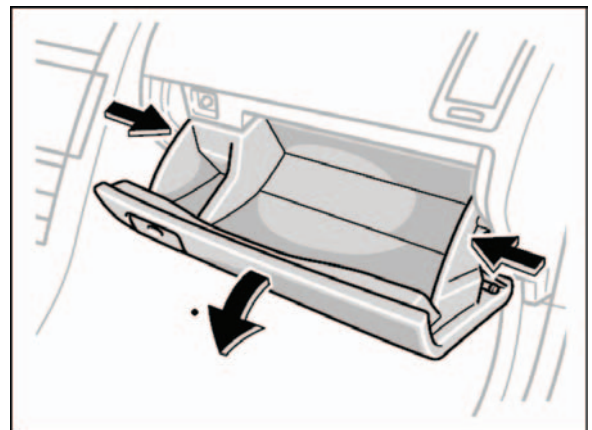
Open the glove box, and slide off the damper as shown.

Figure 4.



2. Push in each side of the glove box to disconnect the claws.

Figure 5.



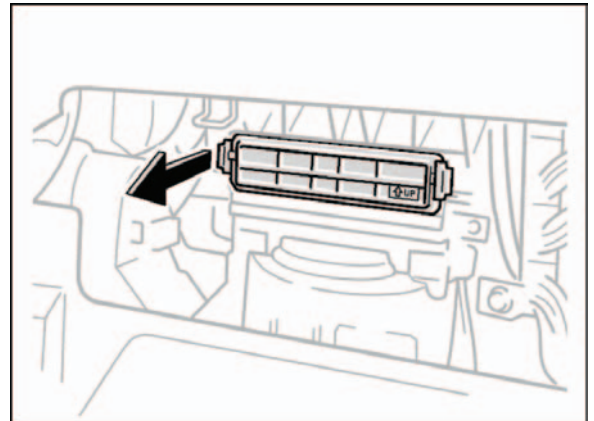
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Checking and Replacing the Air Conditioning Filter

Repair Procedure (Continued)

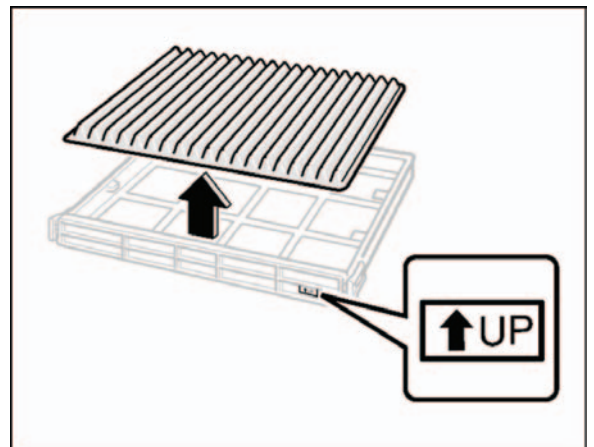
3. Pull the filter case toward you to remove it.

Figure 6.



4. Remove the filter from the filter case and replace it with a new one.

Figure 7.



5. Install the filter and filter case in the reverse order of removal.

When installing the filter into the filter case, ensure that the flat side of the filter is down and the ribbed side is up. Position the filter case so that the "UP" mark is pointing up and install it in the vehicle.

NOTE

The air filter should be installed in its proper position. The use of air conditioning with the air filter removed may cause deteriorated air conditioning performance.