Intermittent Poor A/C Cooling at Idle

Service Category: Vehicle Interior
Section: Heating/Air Conditioning
Market: USA

### Applicability

<table>
<thead>
<tr>
<th>YEAR(S)</th>
<th>MODEL(S)</th>
<th>ADDITIONAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014 – 2015</td>
<td>Corolla</td>
<td></td>
</tr>
</tbody>
</table>

### REVISION NOTICE

October 16, 2014 Rev1:

- Applicability has been updated to include 2015 model year Corolla vehicles.
- The Parts Information, Warranty Information, and Repair Information sections have been updated.

Any previous printed versions of this bulletin should be discarded.

### Introduction

Some 2014 – 2015 model year Corolla vehicles may exhibit a condition where the A/C system blows warm air intermittently while the vehicle is at idle. An updated A/C compressor is available to address this condition.

### Production Change Information

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PLANT</th>
<th>ENGINE</th>
<th>PRODUCTION CHANGE EFFECTIVE VIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corolla</td>
<td>TMMC</td>
<td>2ZR-FE</td>
<td>2T1BURHE#EC217552</td>
</tr>
<tr>
<td></td>
<td>TMMMS</td>
<td>2ZR-FE</td>
<td>5YFBURHE#EP171965</td>
</tr>
<tr>
<td></td>
<td>TMMC</td>
<td>2ZR-FAE</td>
<td>2T1BPRHE#EC223722</td>
</tr>
<tr>
<td></td>
<td>TMMMS</td>
<td>2ZR-FAE</td>
<td>5YFBURHE#FP178442</td>
</tr>
</tbody>
</table>
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Parts Information

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PART NAME</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREVIOUS</td>
<td>NEW</td>
<td></td>
</tr>
<tr>
<td>88310-02850</td>
<td>88310-02851</td>
<td>1</td>
</tr>
<tr>
<td>88320-0Z060</td>
<td>88320-0Z070</td>
<td>1</td>
</tr>
</tbody>
</table>

Warranty Information

<table>
<thead>
<tr>
<th>OP CODE</th>
<th>DESCRIPTION</th>
<th>TIME</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC1400</td>
<td>Compressor w/ Magnetic Clutch Assembly</td>
<td>1.8</td>
<td></td>
</tr>
</tbody>
</table>

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.

Required Tools & Equipment

<table>
<thead>
<tr>
<th>REQUIRED EQUIPMENT</th>
<th>SUPPLIER</th>
<th>PART NUMBER</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Techstream 2.0*</td>
<td>ADE</td>
<td>TS2UNIT</td>
<td>1</td>
</tr>
<tr>
<td>Techstream Lite</td>
<td></td>
<td>TSLITEPDLR01</td>
<td></td>
</tr>
</tbody>
</table>

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 9.20.022 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Connect Techstream and navigate to the A/C System Data List.
2. With the vehicle at idle, cycle the A/C button and watch the Regulator Control Current, Regulator Pressure Sensor, and Evaporator Fin Thermistor Data List graphs.
Intermitent Poor A/C Cooling at Idle

Repair Procedure (Continued)

3. When the condition is occurring the following data will be seen:
   - Regulator Control Current: "0.7" "A" or higher
   - Regulator Pressure Sensor: Low pressure and not increasing
   - Evaporator Fin Thermistor: Higher than normal and increasing

Figure 1.

Can the concern be duplicated?
- YES — Continue to step 4.
- NO — This bulletin does NOT apply. Continue diagnosis using Problem Symptoms table in the applicable Repair Manual.
4. Remove and replace the A/C compressor.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2014 Corolla (2ZR-FE):
  Vehicle Interior – Heating/Air Conditioning – “Compressor (for 2ZR-FE):
  Removal / Installation”

- 2014 Corolla (2ZR-FAE):
  Vehicle Interior – Heating/Air Conditioning – “Compressor (for 2ZR-FAE):
  Removal / Installation”

- 2015 Corolla (2ZR-FAE):
  Vehicle Interior – Heating/Air Conditioning – “Compressor (for 2ZR-FAE):
  Removal / Installation”

5. Verify that the intermittent warm air condition is no longer present.