

# A/C System Diagnosis After Component Failure

**Service Category** Vehicle Interior

**Section** Heating/Air Conditioning

**Market** USA

Scion Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2004 – 2016	FR-S, iA, iM, iQ, iQ EV, tC, xA, xB, xD	

## Introduction

The procedure in this bulletin is a general guideline on how to properly diagnose the air conditioning system after a component failure. Refer to the applicable Repair Manual for vehicle specific repair procedures and parts.

## Warranty Information

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

## Repair Procedure

1. After all proper service procedures have been followed, check for potential contamination by disassembling the system in the following locations:
  - A. Check the A/C compressor for debris.
    - If NO debris is found in the inlet or outlet lines, go to step 3 and replace Parts Group B.
    - If debris is found in BOTH the compressor inlet and outlet lines at the A/C compressor, go to step 2 and replace Parts Group A.
    - If debris is found only in the compressor outlet, go to step 1B.
  - B. Remove the receiver/drier filter and check for debris.
    - If debris is NOT found, go to step 4 and replace Parts Group C.
    - If debris IS found, go to step 1C.
  - C. Remove the expansion valve and check for debris.
    - If NO debris is present, go to step 5 and replace Parts Group D.
    - If debris IS present, go to step 2 and replace Parts Group A.

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### Repair Procedure (Continued)

2. Replace the following A/C system components (Parts Group A):
  - Compressor
  - Evaporator
  - Condenser
  - Expansion Valve
  - All A/C Lines
3. Replace the A/C Compressor (Parts Group B).
4. Replace the following A/C system components (Parts Group C):
  - Compressor
  - Discharge Hose
  - Condenser
5. Replace the following A/C system components (Parts Group D):
  - Condenser
  - Discharge Hose
  - High Side Hose
  - Compressor
6. After the repair has been completed, using the vehicle specific Repair Manual, verify the A/C system operates properly.