

A/C System Diagnosis After Component Failure

Service Category Vehicle Interior

Section Heating/Air Conditioning

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
1998 – 2016	CT200H, ES300H, ES350, GS350, GS450H, GS460, GX460, GX470, HS250H, IS F, IS250, IS250C, IS350, IS350C, LFA, LS460, LS600H, LX470, LX570, NX200T, NX300H, RC F, RC350, RX300, RX350, RX400H, RX450H, SC430	

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	OFP	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.

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Repair Procedure (Continued)

- 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.
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.