

Air Conditioning Compressor Inspection/Replacement

Service Category Service

Section Function Group 874

Technician Skill Level A

Market North America

Applicability

VOLVO

Years	Models
2022-2023	VNRe

Introduction

Volvo Trucks has determined that certain VNRe model vehicles may have an issue with the electric air conditioning system that could cause only one of the two electric air conditioning compressors to operate correctly. This is caused by incorrect A/C compressor CAN ID. To correct this issue, a A/C system test and inspection will need to be completed. If a nonwork compressor is found it will need to be replaced.

Production Change Information

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Volvo	BEV	EM-ZE	26-March-2021	08-April-2022

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		B
Main Labor Code	Description (Only use if inspection is completed and both compressors run.)	Hours
1720-16-09-01x3	Miscellaneous, Inspection	0.3
Labor Code	Description (Only use if compressor replacement is needed.)	Hours
8743-03-02-07	Remove and Replace Compressor	1.9
Causal Part	23415508	
SCC Authorization Code	S2999	
Expiration Date	May 31, 2024	

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Parts Information (If compressor replacement is needed)

Part Numbers	Part Names	Quantity
23415508	A/C Compressor	1

Required Tools & Equipment

- A/C refrigerant recovery machine

Calibration Information

- None

Inspection Procedure

1. Secure truck for service.
2. Fully tilt hood to the open position.
3. Turn on ignition.
4. Start truck.
5. Turn on the A/C to the highest setting.
6. Carefully inspect both A/C compressor to insure they are both running.
7. If both compressors are running, you can release the truck back to service. If one of the two compressor is not running, please continue to repair procedures below.

Repair Procedure

1. Follow repair instruction 8743-03-02-07 in Impact to replace the non-working compressor with part number 23415508.
2. After repair is completed, retest by turn on the A/C to the highest setting and ensuring that both compressors are now running.
3. Return truck to service.