

Introduction



This document must be thoroughly reviewed prior to the replacement of the High Voltage electric compressor. Compliance with the procedures and recommendations herein is essential to ensure optimal performance and longevity of the spare part. Installation must be performed exclusively by a trained and qualified professional.

A/C compressor

Line of Business	VCC
Product Family	COLD LOOP
Product Name	COMPRESSORS
Brands	
Vehicle Type	PC
Vehicle Designation	All car makers and all models

Technical Resources

Warning



CAUTIONS PRIOR TO INSTALLING THE NEW VALEO SPARE PART

- Ensure that the underlying failure has been correctly identified before proceeding with the installation of the new High Voltage electric compressor.
- The packaging of the product must be inspected for any damage that may have occurred during transit. Any such damage must be reported immediately.
- Extreme caution must be exercised during the unpacking of the product to avoid any damage. Only appropriate tools and techniques should be employed to handle the product. Ensure that the caps are present and closing the pipes.
- The product must not be disassembled, modified, or used for any purpose other than its intended function.

CAUTIONS BEFORE INSTALLING THE NEW VALEO SPARE PART

- Only certified and qualified technicians are authorized to handle the vehicle's High Voltage system as well as the A/C system. All work must be conducted in compliance with applicable local and national safety regulations, and appropriate Personal Protective Equipment must be used.
- Follow the vehicle manufacturer's requirements to safely de-energize and isolate the High Voltage system before performing any work.

TSB-VSA-VCC-102025-02 Working Instructions High Voltage Electric Compressor EN (undefined)

- Prior to commencing any repair work on the vehicle, ensure that the engine has sufficiently cooled to a safe working temperature and the absence of any electrical risk in the High Voltage electric compressor.

CAUTIONS DURING INSTALLATION OF THE NEW VALEO SPARE PART

- The refrigerant must be recovered from the system using an approved A/C recovery unit in accordance with applicable safety and environmental regulations. Refrigerant is classified as hazardous waste and must never be vented into the atmosphere.
- Following any opening of the refrigerant circuit, it is mandatory to replace all relevant seals and the drier or accumulator to ensure system integrity and prevent future leaks.
- To maintain optimal performance and avoid contamination, protective caps on new components should only be removed immediately prior to installation.
- All fittings and components must be torqued to the vehicle manufacturer's specifications to ensure proper sealing and avoid mechanical or operational failures.
- Ensure all electrical connectors are correctly plugged in.
- Final system recharging must be carried out in full compliance with OEM specifications, including thorough system flushing, vacuum creation, and recharging with the precise type and quantity of refrigerant and oil specified for the vehicle.

CAUTIONS AFTER THE INSTALLATION OF THE NEW VALEO'S SPARE PART

- After installation, check for any signs of refrigerant leakage and verify the correct functioning of the A/C system. The system should generate the recommended cabin temperature, and there should be no abnormal noises.

Disclaimer

VALEO disclaims any and all liability for damage resulting from improper installation, handling, or operation of the product. In the event that the conditions outlined herein are not fully adhered to, VALEO reserves the right to refuse warranty coverage in the case of any failure of the High Voltage electric compressor.