

## **FITTING INSTRUCTIONS A/C COMPRESSORS**

- Compressor installation should be made only by professional workshops with proper qualifications, according to technical procedures for air-condition system repairs.
- It is forbidden to make any changes in the compressor.
- Attention: Compressor is filled with oil but since one and the same compressor could possibly be used for different vehicles or systems, it is essential to check and/or correct the oil filling level and viscosity according to the vehicle manufacturer's instructions before installing the compressor. To do this, drain and collect all the oil. Then fill the compressor with the whole amount of oil (system oil quantity prescribed by the vehicle manufacturer).
- Evacuate the gas from AC system with appropriate recovery equipment.
- Replace the free run pulley – which is typically installed on the alternator - (required in all cases where the AC compressor and alternator are driven by the same belt).
- Inspect – and if necessary replace the belt tensioner (We recommend that all belt tensioners with a mileage higher than 150.000 kilometers must be exchanged). Please be aware that a defect belt tensioner can cause serious damage, not only to the compressor itself, but also the engine!
- Remove the defect compressor and receiver drier.
- Flush the entire AC system with an appropriate flushing liquid – do not use alcohol or petroleum based solvents! The flushing must be done through the suction and discharge hoses from the compressor for a period of minimum 30 minutes.
- Before fitting the compressor, 50 % of oil must be removed and later added when charging the system.
- Install the replacement compressor without belt.
- The compressor shaft must be rotated for a minimum of 10 times by hand and install the compressor belt afterwards.
- Install new receiver drier. Replace expansion valve or orifice tube and the condenser (if parallel flow).
- Evacuate and recharge the AC system according OEM specifications. We recommend charging first 75% of the total gas charge and then within a period of 10 minutes adding the remaining 25% with the AC system on maximum performance.
- Activate the AC system. Measure the voltage over the electronic control valve, it has to be between 11 – 13V (measured at the CPU). Observe the suction and discharge pressure and measure that the cabin temperature is getting lower.
- Please make sure that the condenser fan starts up in the correct direction. (If the condenser fan(s) does not start up the compressor will continue to build up an abnormal pressure and that may result in a serious system break down).

## **CORE ACCEPTANCE CRITERIA**

The old compressors are accepted only if they correspond to the product supplied.

If they are damaged in such a way that they can't be remanufactured and also in cases as mentioned below, the core amount will still be charged:

- The compressor is blocked;
- Compressor body and the pulley have to be free of mechanical damages;
- Connections with the air-condition system should be free of any mechanical damages.
- The pulley should be original to this type of compressor;
- Broken or damaged ear
- Broken or cracked parts
- Missing parts
- Dismantled unit (also partly);
- Entirely rusted compressor;
- The core eligibility is limited to max. 6 months;
- The connections must be closed after removal from the vehicle to prevent internal corrosion.
- No copy products are accepted.

## WARRANTY CONDITIONS

Warranty period is up to 24 months from the date of invoice, provided that the compressor is placed as has been mentioned in the fitting instructions. The warranty applies only to the product itself and the amount paid will be after receipt of the compressor and the necessary information.

In order to take the correct approach in case of a compressor warranty claim we kindly ask you to read and follow the below mentioned points:

- The barcode - if the barcode has been removed the claim will not be accepted.
- Receiver drier - the receiver drier must be replaced, if not the claim will not be accepted (proof of replacement required).
- Expansion valve - in cases where the vehicle is equipped with an expansion valve, the expansion valve must be replaced, if not replaced; the claim will not be accepted (proof of replacement required).
- Parallel flow condenser - in cases where the vehicle is equipped with a parallel condenser, the condenser must be replaced, if not replaced; the claim will not be accepted (proof of replacement required).
- Free run pulley - in cases where the vehicle is equipped with a free run pulley on the alternator or on the compressor, the free run pulley must be replaced, if not replaced; the claim will not be accepted (proof of replacement required).
- Orifice tube - in cases where the vehicle is equipped with an orifice tube, the orifice tube must be replaced, if not replaced; the claim will not be accepted (proof of replacement required).
- Flushing of the AC system - the entire AC system must be flushed according installation procedure, if not flushed the claim will not be accepted (proof of make and qty required).
- Dismantled compressor - the returned compressor has to be complete and the connections must be closed, if not, the claim will not be accepted.
- Transport damaged compressor - if compressor was delivered in damaged packaging it is necessary to take a picture before opening the package and describe noticed package damages on all copies of delivery documents.
- Return of claimed goods - please contact us before returning any goods and you will receive a claim number in order to secure traceability.
- Warranty claim report - the warranty claim report must be filled out and signed and sent to us by Fax or Email, if not filled out, the claim will not be accepted.
- Proof of purchase - a copy of our invoice must be attached to the claim, if not attached; the claim will not be accepted.
- Proof of authorized repair - a copy of the invoice from the installer must be attached to the claim, if not the claim will not be accepted. (Working on AC systems is for authorized specialists only!)
- Installation procedure - the installation procedure must be followed and all points carried out, if not the claim will not be accepted.
- Every claim will be considered individually.
- In case of any questions, please do not hesitate to contact us.