



Instructions on handling permanently driven compressors

A functional description of permanently driven compressors can be found in the Technical Information (TI) "Compressors without magnetic clutch".

This TI intends to provide basic information on handling these units in day-to-day garage work.

Compressors of this type are driven through a torsion elastic clutch. This puts the compressor shaft in continuous interaction with the belt drive. This means that every rotation of the engine crankshaft is transferred to the compressor. Therefore the following must be observed when repair work is being carried out on the air-conditioning system.



Torsion elastic clutch





The engine may only be started with the air-conditioning system completely mounted and closed.
This is particularly important in the event of repairs after an accident, where vehicles are often quickly driven into the painting box or to another workstation with the lines unscrewed.

Danger of destruction!

If the engine is operated with the air-conditioning system open, the compressor can heat up to such an extent that it is destroyed.

If it should be necessary to start the engine with the air-conditioning system empty, at least one quarter of the system oil filling quantity must be in the compressor.
The engine speed must not exceed 2500 rpm.
The engine may only be operated for as long as absolutely necessary.

Putting back into operation

Once the air-conditioning circuit has been filled with oil and refrigerant properly after repair:

- Switch the ignition on
- Choose the "Econ" button
- Start the engine and allow it to run in idling for about 2 minutes.
- Then choose the "Auto" button and set the temperature dial to "Low".
- Allow the engine to run for a further 5 minutes in idling.

Technical Information



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