

3.15.8 Installation of a compressor for the cooling equipment

In vehicles without an air conditioning system it is recommended to use the coolant compressor used in vehicles equipped with this option and driven by the same arrangement of belts and pulleys as the standard vehicle. This compressor and the parts required for its assembly can be obtained from official NISSAN Services.

In these assemblies:

- Optimise the level of the coolant volume based on the new service.
- Ensure coolant circulation.

When another type of compressor or another type of device (generators, pumps, etc.) has to be used or a second compressor must be added (in the case of vehicles equipped with air conditioning), follow the instructions in chapter 3.15.1.

Drive via the crankshaft must be carried out following the instructions given in chapter 5.2.2.

Additional weights suspended from the engine greater than 15 kg are not allowed.

In all cases mounting these devices will be subject to prior validation by the relevant NISSAN department, see chapter 2.1.2.

Fitting mount and drive kits validated by NISSAN and manufactured by OLIVA TORRAS is permitted and no objection will be made provided that the following conditions are met:

- Use the appropriate devices for the type of service and the vehicle for which they are intended:
 - **KC 06110093** kit for models left-hand drive (LHD) with ZD30KE (Euro6) engine without air conditioning.
 - **KC 15050389** kit for models left-hand drive (LHD) with ZD30KE (Euro6) engine with air conditioning.
- These kits allow the power take-off through the crankshaft and fitting the compressors for cooling equipment of the following compressors:
 - QP/TM 13 – 15 – 16.
 - UP/UPF 120 – 150 - 170.
 - SD5H14 / SD7H15 (only in models without air conditioning).
- Assembly is to be carried out by qualified and skilled personnel.
- The instructions OLIVA TORRAS encloses with each kit as well as recommendations about maintenance periods (belt tension control, visual inspections, etc.) must be followed.

OLIVA TORRAS will be responsible for the operation, safety, reliability and overall good performance of the vehicle and for the effects that the modifications may have on the vehicle's performance and characteristics, and will be liable for any warranty claims arising from the assembly.

For any questions regarding these kits, availability for other series of compressors, as well as their possible use for other applications, please contact OLIVA TORRAS.

The modifications made will comply with the regulations in force in the country of registration and it will be the bodybuilder's responsibility to enforce them.

The bodybuilder or converter will provide the operating and maintenance instructions for the equipment installed with the completed vehicle, see chapter 2.1.12.