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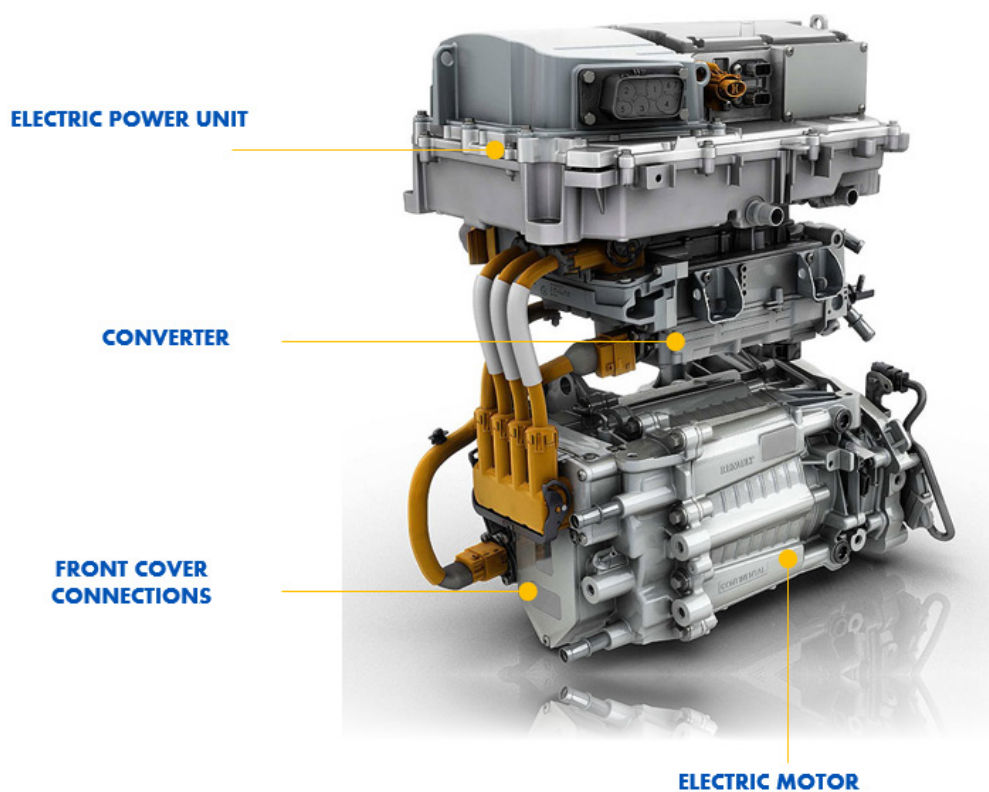
TECHNICAL REPORT

Additional gaskets for EPCU
Renault Zoe repair



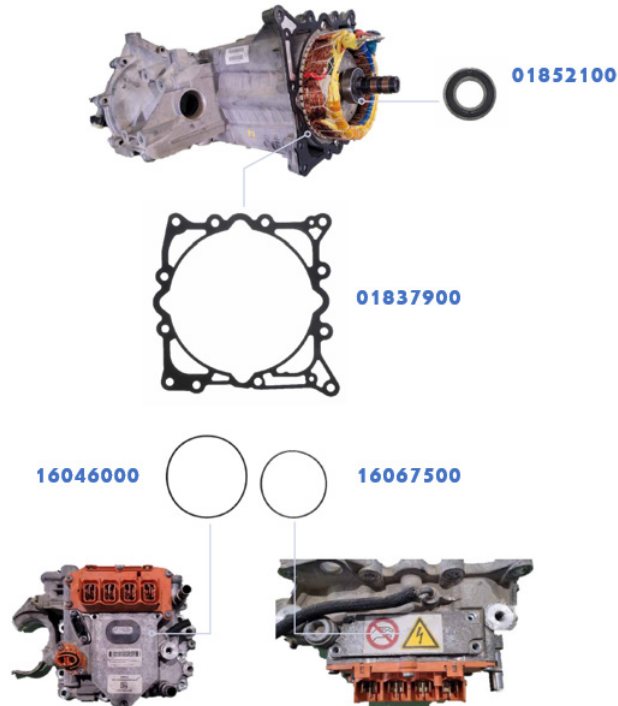
01 introduction

To carry out any type of repair on the EPCU (Electric Power control Unit) of the first generation Renault Zoe **Continental 5AM-450 engine**, whether for the replacement of a component or more complex repairs, it is necessary to **disassemble the entire module** to access its components.



If repairs to the electric motor are also required, Ajusa has [kit 77038500](#) in its catalog, which includes the **stator gasket and the rotor bearing**.

77038500 Set composition 77038500



The EPCU or power management module is made up of several electrical components, such as the rectifier, the DC converter and the inverter:

RECTIFIER

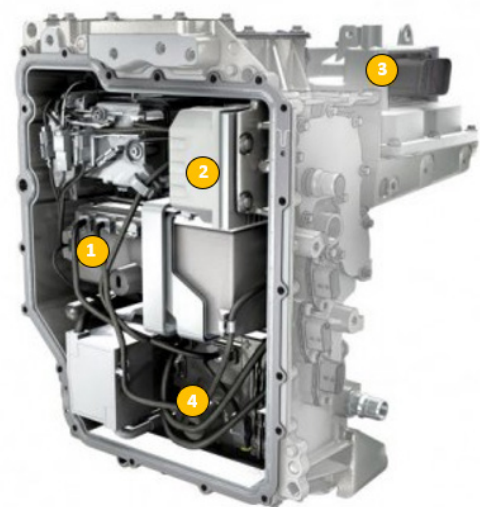
Converts alternative current from the electricity distribution system into direct current to **store it in the battery.**

DC-DC CONVERTER

Converts high voltage DC current from battery to low voltage (12V) to **power electronic components.**

INVERTER

Converts direct current from the battery into alternating current **to power the electric motor.**



1. RECTIFIER
2. DC-DC CONVERTER
3. INPUT FILTER
4. INVERTER

The power electronics **is sealed inside** by several gaskets that protect its components from any external agent that could damage them.

If you want to replace or repair any of its components that we have seen previously, it is necessary to **replace these joints** to continue guaranteeing the tightness inside the module. A total of **four gaskets** seals the module.

REFERENCE 01837500

It seals **the main cover** inside the module.

REFERENCE 01837700

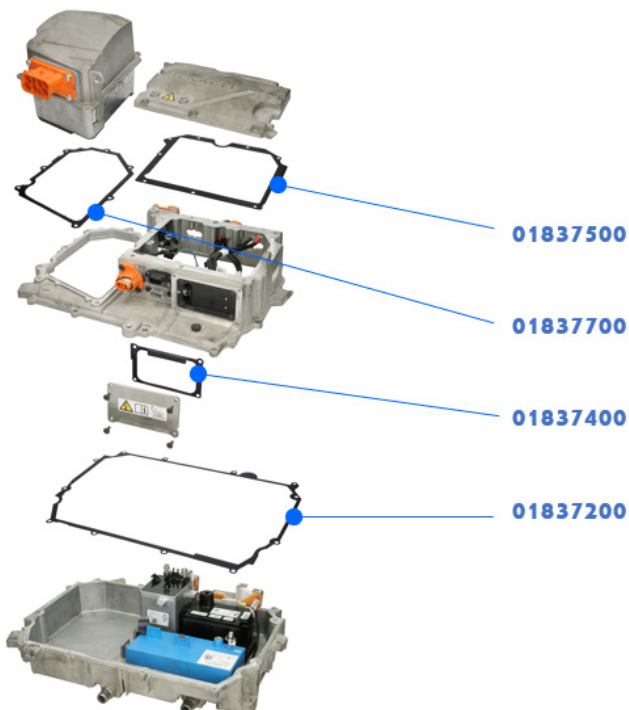
Between the on-board charger and the module.

REFERENCE 01837400

Which seals the area that **gives access** to the internal connections.

REFERENCE 01837200

Is the larger gasket that **seals the upper part of the module** where the connections and the on-board charger are housed with the rest of the module.



To do the repair tasks are with the high voltage system free of voltage.