

# TECHNICAL NEWSLETTER

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## Fuel Module



**1YEAR**  
WARRANTY  
TOTAL DS



PRODUCTS  
TESTED ONE  
BY ONE



AUTOMOTIVE TECHNOLOGY

### CONCEPT:

Also known as pump set, the DS fuel module includes the electric pump, the primary pre-filter ( in most of the models), the secondary pre-filter (in the interior or inside the cup), the corrugated tube, the fuel level sensor, the pressure controller (in most of the models), the corrugated tube and gasket. The great advantage lies in how easy it is to change, meaning that the waiting time is reduced as is the time to make these adjustments or putting parts together.

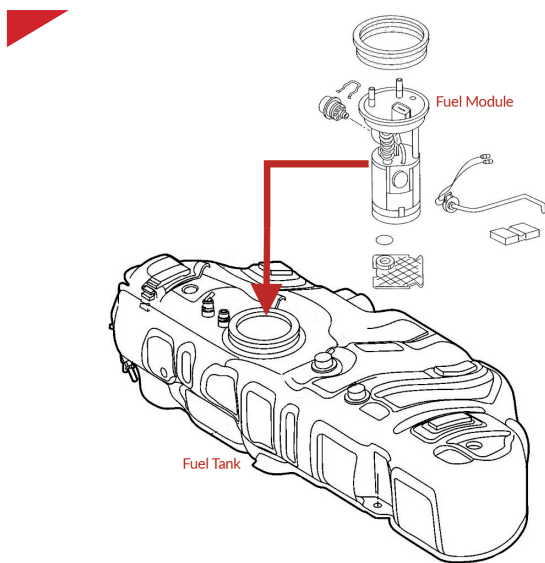
### PRINCIPLE:

The fuel module is a set of components. Each part is responsible for a specific function.

The heart of the module is the electric pump which is responsible for putting pressure on the fuel thus generating enough flow so the motor works properly. The pressure controller, as its name suggests, is the one responsible for keeping the pressure in the fuel line. The pre-filter has the function of filtering the fuel that goes in the electric pump. The corrugated tube puts the pump and the flange together hydraulically. The flange also has the function of making the electrical union from the interior to the external part of the tank. The gasket seals, preventing odors and leaks. The level sensor has the function of measuring the quantity of fuel that is in the tank and informing the UCE that there has been a refill.

### LOCATION:

The fuel module is within the fuel tank. The access can be from the inside (from the back bank) or from the outside, putting the fuel tank down.



### WARNING:

- The cross reference (original code to DS code) is the best way to identify the model of the vehicle. Some models of the fuel module are physically similar (same flange and same pre-filter) but with a different level of sensitivity.
- The mechanical crash (fall) can cause breaking or cracking;
- Before installing the DS Fuel Module, clean the inside of the tank thoroughly, eliminating any particle;
- Be careful not to twist or bend the level sensor stick while putting the module down in the tank;
- Apply lubricant in the grease nipple in the connection flange to improve the hose connection;
- Apply cleansing oil in the power supply of the cables and in the flange outlet to prevent rust.