

TECHNICAL NEWSLETTER

Fuel Module Flange



Worldwide Exporter
of Automotive Technology

CONCEPT:

Also known as cap, the Flange is a plastic or metal element that secures the Fuel Module to the vehicle's fuel tank.

PRINCIPLE:

In addition to securing, the Flange's function is to make the hydraulic and electrical connection from the inside to the outside of the tank, enabling the access to the Fuel Module (usually composed of a fuel pump, level sensor, pre-filter, pressure regulator, corrugated tube and O-rings) without a destructive or disposal operation, enabling the required repair of the components, including the Flange itself.

LOCATION:

The Flange is located at the fuel tank. **It may be accessed:**

INTERNALLY

I.e., from under the back seat, as seen on the picture below:



EXTERNALLY

I.e., only by removing (lowering) the fuel tank.



WARNING:

- Mechanical shock (dropping) may cause the Flange to break and/or crack.
- Strong fuel smell inside the vehicle may be related to leakage caused by holes, cracks or poor assembly of the Flange.
- A quick decrease in pressure in the fuel line, noise, vibration, lack of power and high consumption may be consequences of leakage at the Flange nozzle.
- After any repair in the Fuel Module, apply:
 - *Lubricant to the flange nozzles to better fit the hoses;*
 - *Contact cleaner to the wire harness plug and to the Flange plug to avoid corrosion.*