

### EGR VALVES - 7518064, 7518065

*What they are and how they work*

The EGR valves **7518064**, like the **7518065**, belong in the pneumatic EGR valves category of previous generation. These EGR valves are installed in exhaust gas recirculation systems with external actuator (please see the picture below). When the circumstances are right for the EGR system to function, the EDW (actuator) opens a passage for the vacuum pressure (generated in the intake manifold) and activates the EGR valve.

The ECU controls the swirl flaps in the intake manifold, in order to create vacuum pressure. If the swirl flaps are stained with unburned carbon and oil deposits, they may work incorrectly, varying the vacuum pressure inside the intake. This is particularly important because its consequence is the rupture of the inner membrane of the EGR valve, caused by the valve's inner shaft pressure on the membrane.

For this reason, and to ensure product quality, we control the valve by testing it up to 8bar, while most EGR valves in the market are tested up to 6bar.

Even this advantage is not adequate though, if the intake manifold is stained or the actuators and the other components of the EGR system are worn out and are not functioning properly.



1. Vacuum inlet
2. Vacuum outlet
3. Filter element
4. Pin connector

Before the replacement of the EGR valve we recommend testing the following parts:

- MAF meter
- Throttle body
- EGR actuator
- Oil level
- Intake manifold condition

