

# CAMSHAFT SENSOR



## ITS FUNCTION



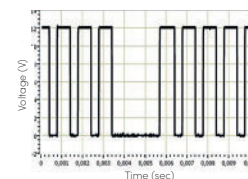
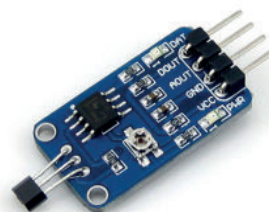
In combination with the crankshaft sensor, the camshaft sensor allows the ECU to accurately detect the piston position of the first cylinder, and to define its combustion cycle.

With this information, the engine management system can inject the fuel at the right moment into the right cylinders (in order to avoid any fuel injection during the exhaust phase).

## GOOD TO KNOW

The camshaft position sensor is located **at the end of the camshaft, in front of the gear wheel**. Most often, a camshaft sensor uses the “Hall effect” technology.

The measurement of the position is provided by an **electronic cell**, delivering a **square signal**, which is **more accurate and more easily understood by the ECU** than the signals from inductive sensors, such as crankshaft sensors.

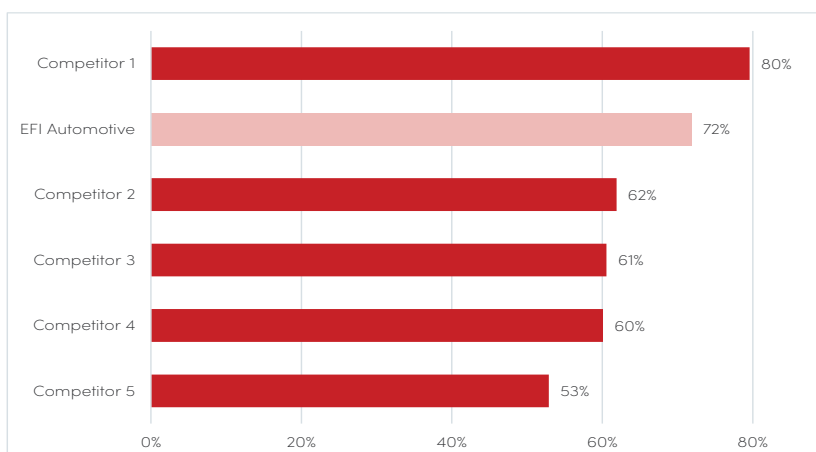


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