

IGNITION WIRE SET



ITS FUNCTION



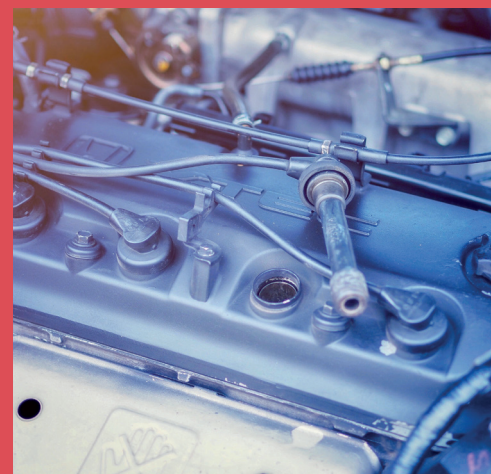
The ignition wire set has long been an essential part of the ignition system in petrol engines. Its main role is **to carry the high-voltage electricity generated by the ignition coil to the spark plugs**. This produces the spark needed to ignite the air/fuel mixture in the engine's cylinders.

GOOD TO KNOW

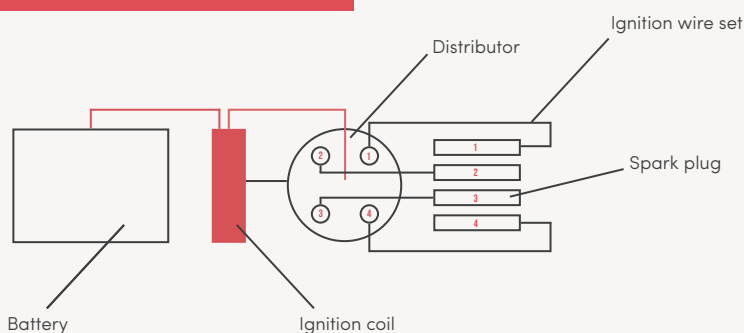
Ignition cables, which once provided the link between the ignition coil and the spark plugs via a distributor, have evolved over time.

Initially, these ignition cables **transmitted the current from the coil to each spark plug using a distributor**. Then, as technology advanced, the cables were **gradually replaced by coils** that fit directly onto the spark plugs.

This development **simplified the ignition system and improved performance**, because the direct connection between the coil and the spark plug enables more precise ignition management and improves the engine's energy efficiency.



ILLUSTRATION



Ignition system for a 4-cylinder engine



TECHNOLOGIES

There are **various types of wires** on the market, all with their own advantages and disadvantages: copper harnesses, resistive harnesses and induction harnesses (spiral or ferrite).

The most widespread technology today is the **resistive cable** with carbon fibre core or nickel-chromium alloy resistive wire.



TECHNICAL HOTLINE

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