FPT
POWERTRAIN TECHNOLOGIES

STARTER MOTOR

READY TO START IN ALL CONDITIONS

MYFPT
BY CUSTOMER SERVICE

GENUINE PARTS

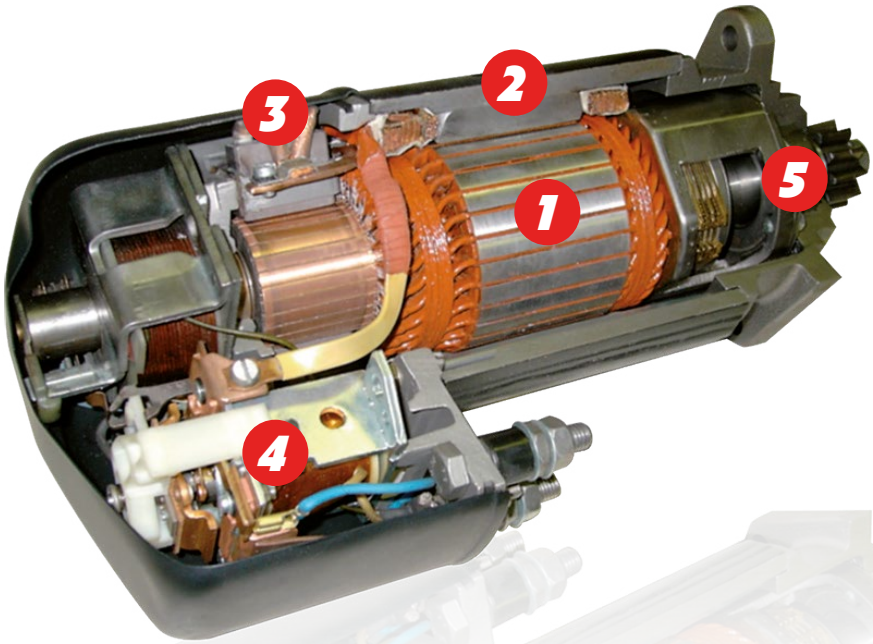
How a starter motor works

The starter motor is an electric motor used to start an internal combustion engine by turning electrical energy into mechanical rotation.

Main components and functions of a starter motor.

The main components of a starter motor are:

1. ROTOR
2. STATOR
3. BRUSHES
4. COIL
5. DRIVE GEAR

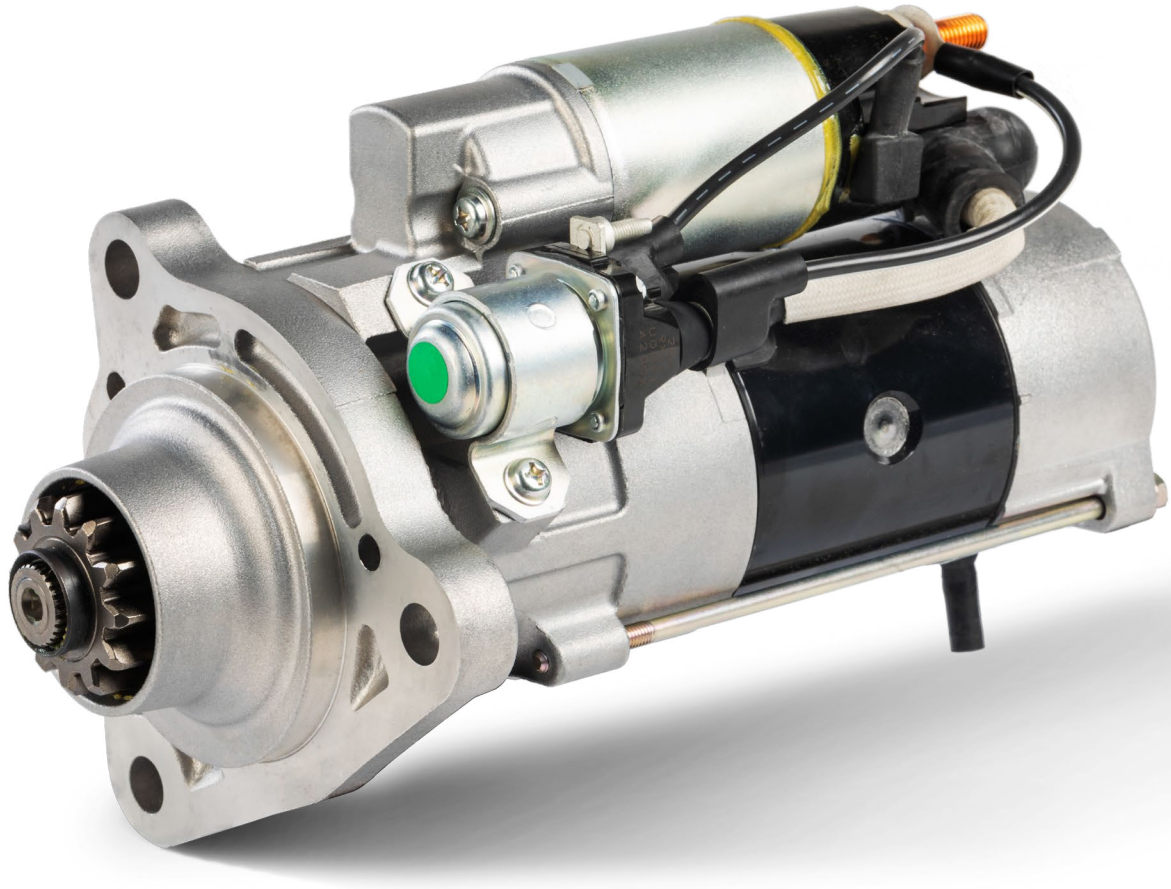


The operating logic of a starter motor is as follows:

1) An electric current is sent to the starter motor
2) The coil is then energized, which moves the drive gear of the starter motor forwards
3) The electrical current also powers the rotor and stator which generates a magnetic field
4) The magnetic field makes the rotor rotate; this is connected to the drive gear, which is now engaged on the ring gear of the engine flywheel
5) The rotation of the starter motor allows the engine to be started
6) Once the engine has been started and is running, the current powering the starter motor is cut
7) The magnetic field of the stator and coil is interrupted
8) The starter motor drive gear returns inside the motor and stops rotating

Original starter motor performance

Designed to ensure a long lifetime thanks to the high-quality components used, FPT starter motors guarantee optimum performance, providing the torque required to start the engine under all conditions. Specifically approved for your engine, it will be perfectly adapted to the other components.
FPT starter motors guarantee perfect coupling with the engine flywheel ring gear and reduced battery wear, leading to lower replacement demand.



Why choose an original FPT starter motor?

FPT starter motors are the best choice for your vehicle and your work, thanks to the following characteristics:

- ***HIGH-QUALITY COMPONENTS FOR THE LONGEST LIFESPAN***
- ***GASKETS AND OTHER COMPONENTS MADE FROM HIGH-TEMPERATURE RUBBER***
- ***BRUSHES MADE FROM WEAR-RESISTANT MATERIAL***
- ***LIMITED WEIGHT***
- ***SPECIFIC O-RINGS DESIGNED TO BE RESISTANT TO DUST, WATER, OIL AND FUEL***
- ***PLASTIC INTERNAL COATINGS OF THE STARTER MOTOR TO PREVENT POTENTIAL SHORT CIRCUITS***
- ***HIGH RESISTANCE TO STRONG AND REPEATED VIBRATION***

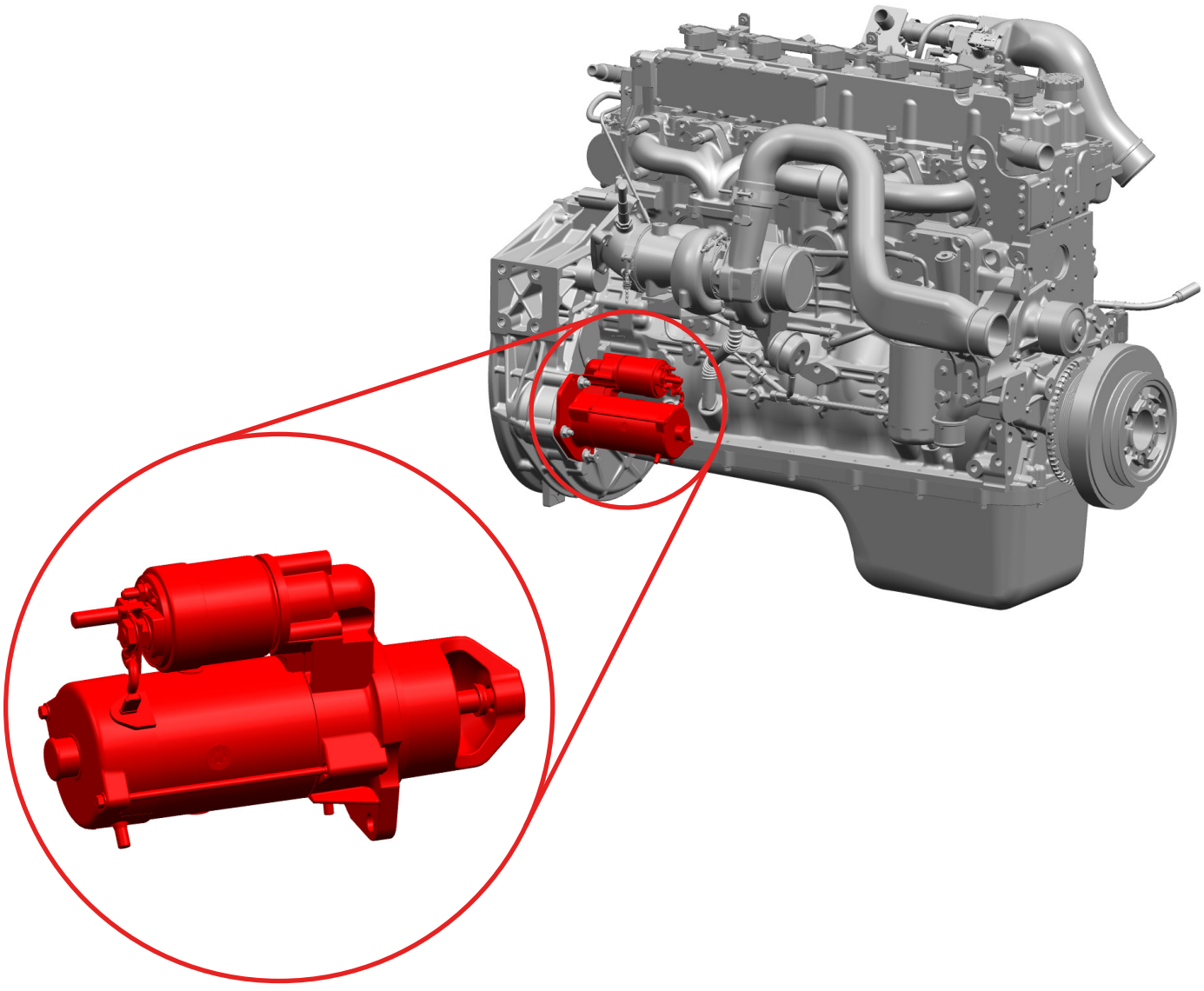
MAXIMUM EFFICIENCY IN DIFFICULT SITUATIONS

Get the most from your starter motor

Periodically check that the electrical contacts of the starter motor are clean and firmly fastened.

If you hear metallic noises or excessive vibration during engine starting, this could be due to some mechanical defects of the starter motor; check with your FPT workshop, and have the starter motor replaced if necessary.

Ensure that the starter motor is clean and free of any oil and fuel, in order to prevent the risk of ignition/fire hazards.



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24/7 CARE & ASSISTANCE

Please, don't hesitate to contact us
for any further information

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