



Overloading of starters

Pattern of damage

As a rule, an overloaded starter can be recognized by temper colours on the armature, a burned field winding and a discoloured or burned coil for the solenoid switch. These are characteristics that point to a high thermal load.

Causes

Starters are generally designed only for short periods of operation. If a permanent load arises due to an engine that starts poorly or not at all (incorrect adjustment, a fault in the fuel supply or the ignition system, or mechanical faults), this leads to overheating.

Effects

Consequential damage as a result of this overheating is generally in the form of short-circuits due to the insulation burning. This leads to total failure of the starter.

