

Technical Note

Thermal Switch (TS)

ME Transmissions with the Permanent Magnet DC motor, built from September 2018, will integrate a thermal switch to protect the motor from overloading and overheating that could damage the electric motor.

The thermal switch will automatically shut down power to the motor in the case of overheating.

The overloading and overheating can be consequences of some common issues, such as a seized bearing, harsh mowing conditions or pollution around the transmission.



The reset of this component is automatic when the internal temperature drops below the defined threshold (commonly 70°C) and the power supply is off.

When the TS activates, you should do the following:

- Clean the motor housing to ensure that there is no pollution/debris. This will aid in keeping the transmission cool . (refer to the "Electrical Transmission Maintenance" technical bulletin)
- Check that the wheels are turning freely (with the power off, lift the mower and turn the wheels by hand).
- In certain harsh conditions (high outside temperature, slopes, high grass,..) the transmission can also overheat and activate the TS if your mowing pace is too slow. In this case increase the mowing speed to improve the ventilation.

If after performing these actions the thermal switch continues to shut down the power to the transmission stop using the mower and contact your local dealer.

Respect all the safety recommendations in the operator's manual while performing these actions.