

Cut-in temperature

At a certain air flow temperature, see switching points of coolant system (20-0020), acting on the bimetal of the viscous fan clutch, the bimetal alters its shape and causes the fan to cut in, which can be clearly heard.

Safety cut-off

A second (internal) bimetal switches off the fan in a smooth operation in the upper speed range above 4500 rpm, depending on the ambient temperature.

Repairs

A faulty viscous clutch cannot be repaired, and must be replaced.

Transportation and storage

Temperature-controlled viscous fan clutches must be transported upright.

The viscous clutch may be placed down on its flange side for a short period, e.g. for assembly purposes, but it should never be placed down on the front.