

## 82-0795 Function of heated windscreen washer system

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Operation no. of operation texts and work units or standard texts and flat rates:

For wiring diagrams, see Wiring Diagrams Passenger Cars Volume 3 or 4 (vehicle wiring diagram).

The heated windscreen washer system is standard with effect from 09/88 for all LHD models. The RHD versions and models for tropical countries are supplied without heated windscreen washer system.

The windscreen washing fluid in the reservoir is heated by a heat exchange from the coolant circuit.

The hose system from the reservoir to the windscreen washer nozzle and the nozzles themselves are heated electrically to prevent the entire system freezing up when driving. The optional head lamp wash/wipe system also draws washing fluid from the same reservoir as the windscreen washing system and is thus also preheated. Hoses and nozzles are not heated.

The heat exchanger (tubular spiral) in the washing fluid reservoir of the windscreen washer system is supplied with warm coolant from the bypass flow to the heating circuit. A thermovalve in the heat exchanger maintains a uniform temperature of the windscreen washer fluid of +20°C to +30°C. Resistance wires are installed in the hoses from the reservoir to the windscreen washer nozzles, and also at the check valve.

The nozzles which were previously already electrically heated are provided with a stronger heating capacity.

A thermostwitch switches on the entire electrically heated part of the windscreen washer system when the outside temperature drops to +5°C and switches off the system again when the outside temperature rises to +15°C.

The current consumption of the entire windscreen washer system is approx. 4.7 A at 13 volts.

The windscreen washer system should always be filled with MB windscreen washer fluid – in summer with concentrate S, in winter with concentrate W – and water in the specified mixing ratio.

