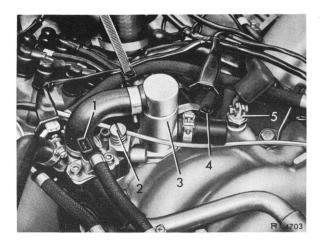


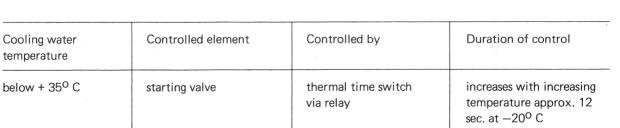
Fig. 1 Wiring diagram of starting device 3 Thermal time switch Relay 1

2 Starting valve





- Starting valve 1 (plug pulled) 2
 - Idling speed adjusting screw
- 3 Supplementary air valve
- 4 Cooling water temperature
- 5
- sensor (plug pulled off)
- Thermal time switch



The starting valve is actuated only at cooling water temperatures below $+ 35^{\circ}$ C by the closed thermal time switch via the relay.

The actuating time increases with decreasing temperature and amounts to approx. 12 seconds at -20° C.

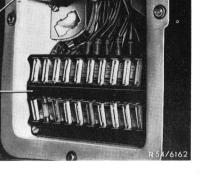
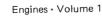


Fig. 3

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- 1 Relay for fuel pump
- 2 Relay for starting valve
- 3 Relay for electronic system
- 4 Relay for starter terminal 50 5 Relay for air-conditioning
- system (optional)
- 6 Relay for supplementary fan (optional)
- 7 Fuses Time switch for 8
- heatable rear window

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Above + 35^o C Cooling Water Temperature

1 Connect voltmeter to connection of starting valve.

2 Connect terminal W (cable colour pink) of thermal time switch to ground (switch housing).

3 Actuate starter. The voltmeter should then indicate approx. 10 V.

This test does not include the function of the thermal time switch.

The thermal time switch is checked with an ohmmeter.

Below + 35^o C Cooling Water Temperature

4 Connect voltmeter to connection of starting valve.

5 Actuate starter. After a given period the voltmeter should indicate 10 V (depending on cooling water temperature).

The control period increases with decreasing temperature by approx. 1 sec. per 5°C.

For example $+ 35^{\circ} C = 0$ sec. $+ 20^{\circ} C = 3$ sec.

It is recommended to test the thermal time switch additionally with an ohmmeter.

Test value	above (35 ⁰ C:
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Connection W-ground	=	approx.	100Ω
Connection G-ground	=	approx.	$60 \ \Omega$
Connection G-W	=	approx.	40 Ω

Test values below 35^o C:

Connection G-ground = approx. 20Ω Connection W-ground = approx. 0Ω (contacts in switch closed)