M 116

1. Ignition Changeover

Connect stroboscope, read ignition adjustment at idling speed (should be 6° ATDC). Connect connection cable of 100° C temperature switch (9) to ground. This should advance the ignition by 15° ± 3. The engine speed will be simultaneously increased by approx. 300 rpm (for item number refer to Fig. 1 of job No. 07.6.1–620).

2. Temperature Switch 62° C

The supplementary fan should be added when the safety switch (7) is actuated. Bridge the connecting cable on 62° C temperature switch (11) and actuate safety switch (7). The supplementary fan should then connect, but the ignition should not be subject to changes.

3. Oil Pressure Switch

The oil pressure switch can be tested on a drum dynamometer or while driving the vehicle only.

Connect inspection lamp to terminal B + and to terminal 87 of relay (2) (pull relay (2). The inspection lamp should light up above approx. 65 km/h.

The inspection lamp should extinguish again below approx. 50 km/h.

4. Temperature Switch 100°C

Connect inspection lamp to terminal B + and to connection of 100° C temperature switch. The inspection lamp should light up at a cooling water temperature above 100° C.

5. If there is no ignition adjustment during the test described under item 1 and the oil pressure switch (8) and the 100° C temperature switch (9) are in order, complete the following tests:

Check **fuse No. 6** of main fusebox.

Check **vacuum and electric connections** on two-way valve.

Two-way valve: Switch on ignition and connect connecting cable of oil pressure switch to ground, while switching the two-way valve.

Checking the relay (2): Connect inspection lamp to connecting plug of two-way valve. Switch on ignition. Connect connecting cable of 100° C temperature switch to ground. Relay (2) is in order when the inspection lamp lights up.