Checking turn signal and emergency flasher system

Required for troubleshooting:

- ♦ Multimeter Fluke 83
- ♦ Connector Test Kit VW 1594
- ♦ Valid wiring diagram

Before starting troubleshooting, battery negative terminal must be securely tighted.

Test conditions:

- S2 Fuse 2 (10A) in fuse panel OK
- ♦ S239 Fuse 39 (15A) in fuse panel OK
- ♦ All turn signal bulbs OK

CAUTION!

DO NOT damage, enlarge or bend connector terminals or cavities by forcing probes into them when performing electrical checks. Always use connector test kit VW 1594 to make the necessary electrical connections.

Preparation:

- Switch OFF ignition and all electric consumers.
- Remove Emergency Flasher Switch (E3) \Rightarrow Repair Group 96
- Remove turn signal switch trim, ⇒ Repair Group 96

Note:

If the emergency flasher system is inoperative and the turns signals function normally, check the power supply (30 circuit) to the emergency flasher system only. If the turn signal system is inoperative and the emergency flasher system functions normally, check the power supply (X circuit) to the turn signal switch only.

If malfunction has not been eliminated after all test steps, replace emergency flasher switch and integrated flasher relay.

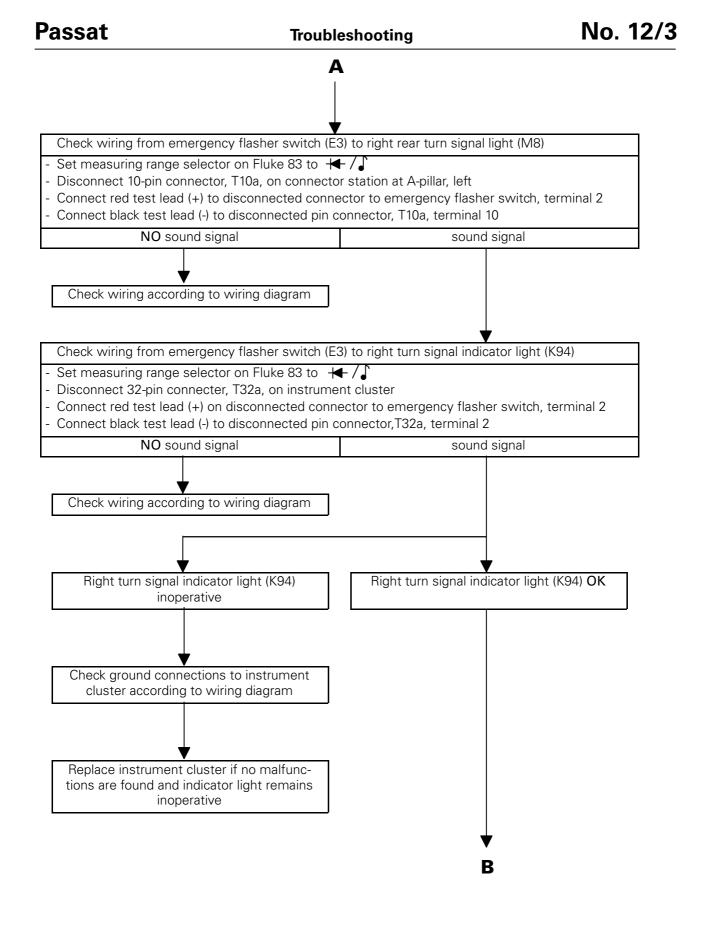
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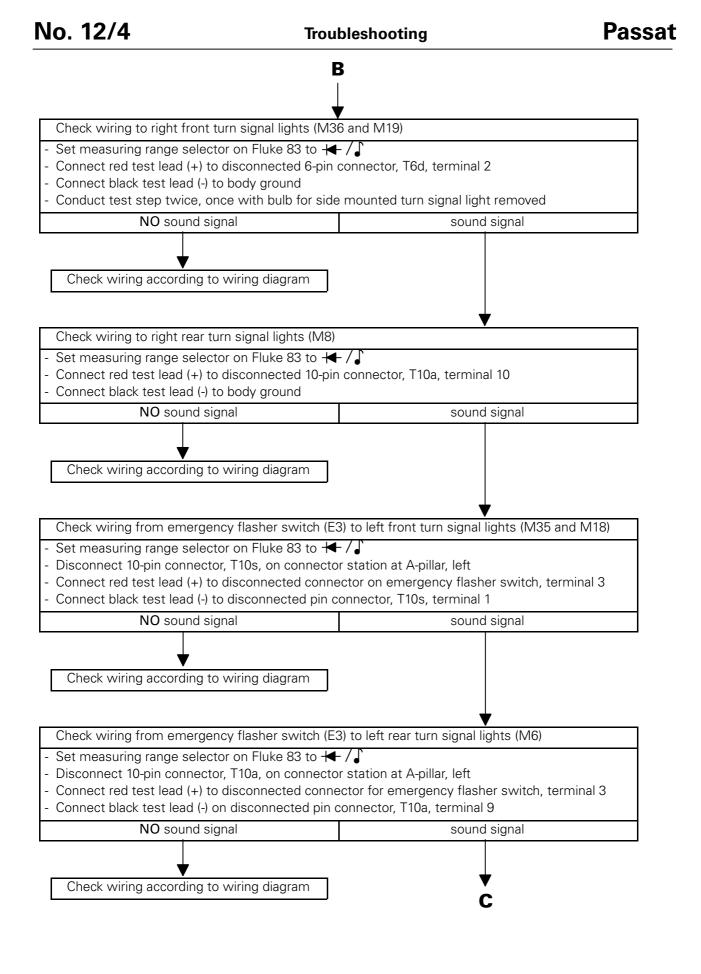
After repairing malfunction, please perform functional test of turn signal and emergency flasher system.

Troubleshooting starts on next page

Check voltage supply (terminal 15) to emergency flasher switch (E3)	
 Set measuring range selector on Fluke 83 to 20 V Remove emergency flasher switch, ⇒ Rep. Group 96 Disconnect 7-pin connector from emergency flasher switch Connect red test lead (+) to disconnected 7-pin connector, terminal 6 (terminal 15) Connect black test lead (-) to disconnected 7-pin connector, terminal 5 (terminal 31) Switch ignition ON 	
Voltage NOT OK	Reading approx. battery voltage
Check wiring to switch according to wiring diagram (positive and ground supply).	
Check voltage supply (terminal 30) to emergen	cv flasher switch (E3)
 Set measuring range selector on Fluke 83 to 2 Connect red test lead (+) to disconnected 7-pir Connect black test lead (-) to disconnected 7-pi 	0 V n connector, terminal 7 (terminal 30)
Voltage NOT OK	Reading approx. battery voltage
Check wiring for illumination of emergency flasher switch (E3) - Set measuring range selector on Fluke 83 to 20 V - Connect red test lead (+) to disconnected 7-pin connector, terminal 4 - Connect black test lead (-) to disconnected 7-pin connector, terminal 5	
- Switch parking lights ON, set dimmer switch o	_
Voltage NOT OK	Reading approx. battery voltage
Check wiring from instrument panel light dimmer switch to emergengy flasher switch according to wiring diagram	Replace emergency flasher switch
Check wiring from emergency flasher switch (E3) to right front turn signal lights (M36 and M19)
 Set measuring range selector on Fluke 83 to + Disconnect 6-pin connector, T6d, on connector Connect red test lead (+) to disconnected conr Connect black test lead (-) to disconnected pin 	✓ / ∫ r station at A-pillar, right nector for emergency flasher switch, terminal 2
NO sound signal	sound signal
Check wiring according to wiring diagram	A
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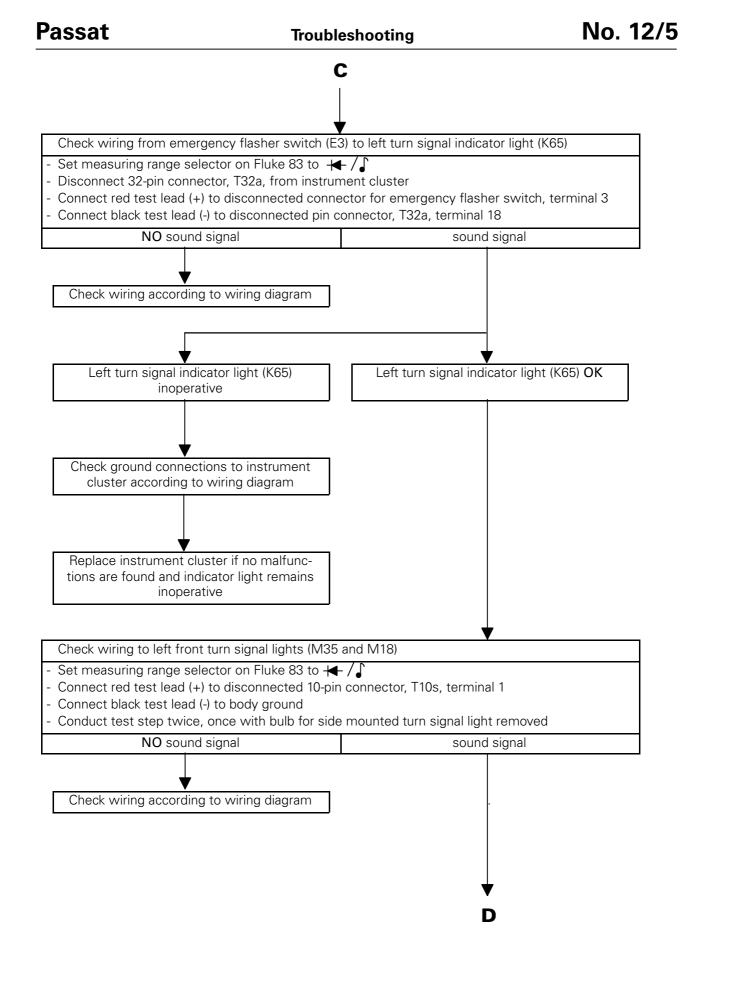


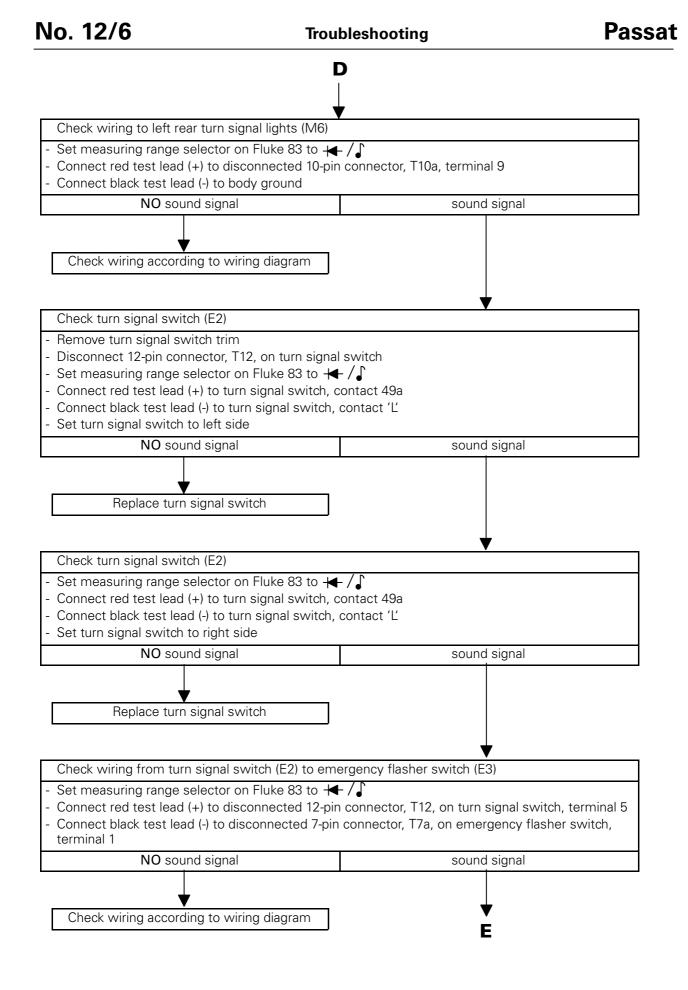


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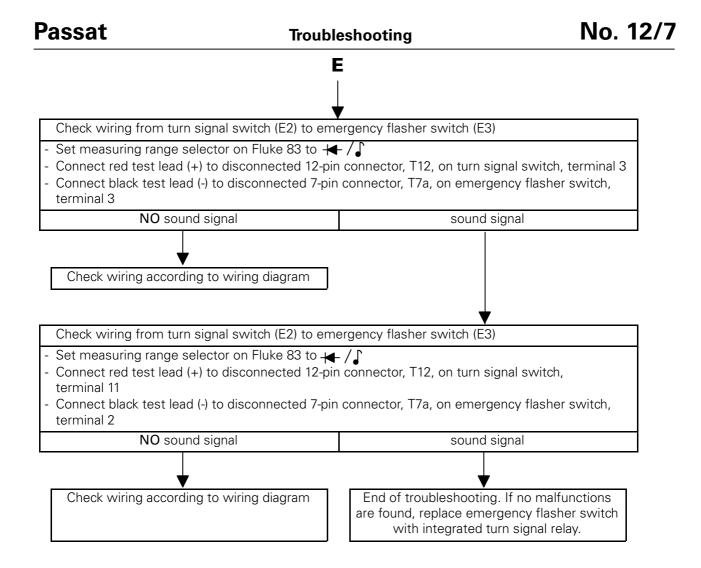
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