

## Checking fog lights

Required for troubleshooting:

- ◆ Electrical Circuit Tester VW1466
- ◆ Valid wiring diagram

**Before starting troubleshooting, battery negative terminal must be securely tightened.**

Test conditions:

- ◆ S236 Fuse 36 (15A) OK
- ◆ Left and right front fog light bulbs L22 and L23 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:

- Remove lower instrument panel cover, ⇒ Repair Group 70
- Remove fog light relay J5 from relay location 7, thirteen position auxiliary relay panel
- Insert test adapter VW 1466/3 on relay location 7
- Connect VW 1466 to test adapter

Troubleshooting procedure:

- Perform test steps according to table on page 13/2
- If specified value/test result is obtained, proceed to next step (test result OK)
- If specified value/test result is **not** obtained, use table for troubleshooting and repair
- Use valid wiring diagram for wire testing
- Disconnect test leads after each step

**If malfunction has not been eliminated after performing steps 1 to 3, replace fog light relay J 5!**

After repairing malfunction, perform functional test of fog lights.

Troubleshooting starts on next page !

Checking step:	1	2	3
Check :	Power supply (terminal X)	Fog light switch (E23)	Fog light switch (E23)
Connector assignment VW 1466			
red wire	from 2 to S+	from 4 to 8	from 4 to 8
black wire	from S- to L+	--	--
blue wire	from L- to 6	--	--
Additional steps:	Switch on ignition Fog light switch (E23) on. (pull to first position)	Switch on ignition Fog light switch (E23) on. (pull to first position)	Switch on ignition Fog light switch (E23) on. (pull to second position)
Specified value / test result :	Indicator lamp (L) lights up	Left front fog light L22 and right front fog light L23 and fog light indicator light K17 lights up	Left front fog light L22 and right front fog light L23 and fog light indicator light K17 lights up

Possible causes if specified value / test result was **not** obtained:

Wiring relay panel / component or component / component	75X to 2/X or 8/83a to 2/30	8/87 to L22 and L23 or L22 and L23 to ground	-----
or Fog light indicator light k17	-----	X	-----
or Fog light switch E23	X	-----	X
or Relay panel	X	-----	-----