

Part number 999 541 65 01

Facel Vega HK 500 Cables behind dashboard etc. original

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
1	black / red	Kl.85		Horn pusher	Cable connector front set (horn relay Kl.85)
2	black	31		Cable connector front set	Ground (for controller)
3	black / red	30	3 A	Fuse box	Cable connector front set (horn relay Kl.30)
4	white / red			Cable connector Indicator switch (front left output)	Cable connector front set (indicator front left)
4.1	white / red			Solder joint line no. 4	Flasher unit (left)
5	white / green			Cable connector Indicator switch (output front right)	Cable connector front set (indicator front right)
5.1	white / green			Soldering joint wire no. 5	Flasher unit (right)
6	blue / yellow			Fog light relay output cl. 87	Cable connector front set (fog light left)
7	blue / yellow			Fog light relay output terminal 87	Cable connector front set (fog light right)
9	yellow	57		Foot switch Kl.57	Cable connector front set (parking light)
10	green	56a		Cable connector front set (high beam)	Soldering joint, wire no. 10; 13; 23; 63; 64
12	green / blue	56b		Foot switch Kl. 56B	Cable connector front set (low beam)
13	green	56a		Headlight flasher relay output Kl.87	Soldering point pcb. no. 10; 13; 23; 63; 64
14	black / green			Headlight flasher switch	Headlight flasher relay control input terminal 86
15	red / blue	30	4E	Regulator B+ battery	Fuse box
16	red / red	30		Regulator B+ battery	Ammeter +
17	red / blue	30	4A	Fuse box	High beam relay input Kl.30/51
18	red / green	D+/61		Regulator D+	Cable connector control lights (charge control)
19	green / blue			Fog light switch	Relay for fog light (control input Kl. 86)
19.1	green / blue			Fog light switch connection 3	Fog light switch connection 5
20	blue / yellow	15		Kl.15 cable connector	Fog light relay input Kl.30/51
21	white / blue	56		Light switch 3	Foot dimmer switch input
22	white / yellow			Light switch 2	Foot dimmer switch
23	green	56a		Foot dimmer switch	Soldering point terminal no. 10; 13; 23; 63; 64
24	violet			Brake light switch	Indicator switch (brake light input)
25	violet / grey	15		Cable connector Kl.15	Brake light switch
26	yellow / red	50		Magnetic switch 50 L	Starter Kl.50
27	red / blue	30	4A	Fuse box	Light switch Kl.30 connection 4
28	grey	15	1A	Fuse box	Cable connector Kl.15 1. connection
28.1	grey	15	1A	Cable connector Kl.15 1.connection	Cable connector Kl.15 2. connection
29	red / white	30	2A	Fuse box	Timer +
30	violet	30	3A	Fuse box	Windscreen washer pump
31	grey / red	15	1E	Ignition lock terminal 15 (ACC connection) Fuse box	Fuse box
32	red	30	2E	Solenoid switch Kl.30	Fuse box
33	red / yellow	30	2E	Fuse box	Ammeter -
34	black / white			Flasher unit "C	Cable connec. Indicator lights (flasher control)
35	white / white			Flasher switch terminal 49a Input	Flasher unit

Attention: With non-original 3-pole foot dipped beam switch, cables 9 (yellow) and 22 (white / yellow) for the parking light must be short-circuited!

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
36	grey	15		Cable connector terminal 15	Warning flasher unit connection 8 (flasher unit switch off)
36.1	grey			Warning flasher unit connection 8 (flasher unit switch off)	Flasher unit terminal 15
37	grey / brown			Ignition lock (connection ST)	Solenoid switch (connection ING)
38	---	DF		Generator terminal DF	Regulator terminal DF
39	red / green	D+/61		Regulator Kl. D+	Starter relay
40	black / brown			Water temperature sensor	Water temperature gauge
41	grey → black	15		Ignition lock (connection ING)	Ignition coil Kl.15
42	brown / plug. white	15		Cable connector Kl.15	Cable connector reversing light switch
43	grey / red	15		Cable connector Kl.15	Wiper switch
44	grey / red	15		Cable connector Kl.15	Fuel gauge +
44.1	grey / red	1		Fuel gauge +	Water temperature gauge +
45	grey / green	15		cable connector cl.15	Switch air-conditioning controller, blower motor
46	red / white plug			Cable connector window lifter set (door contact)	Switch for ceiling light
46.1	red / white plug	1		Soldering joint line no. 46	Switch for interior light
47	red / black plug	30		Soldering point pcb. no. 16	Permanent voltage for Antenna
48	red / white			The radio (+) gets an extra wire with flying fuse from the ignition lock (connection ACC).	
49	blue / yellow plug.			Switch for interior light	Cable connector window regulator (interior light)
50	red / yellow plug.			Cable connector rear lamp set (tank sensor)	Fuel gauge
51	green			Cable connector for rear lamp set (tank sensor)	Fuel gauge
52	brown / white			Cable connector rear lamp set (tank sensor)	Cable connec. Control lamps (tank warning indicator)
53	red / white			Cable connector reversing light switch	Cable connector rear lamp set (reversing light)
54	brown / red	58		Overhead light switch	Cable connector rear lamp set (overhead light)
55	brown			Soldering point pcb 54; 56; 58; 59	Cable connector rear lamp set (rear light)
55.1	brown			Soldering point pcb. no. 57	Instrument lighting
56	brown / red	58		Instrument lighting	Instrument lighting
57	brown			Soldering point pcb 54; 56; 58; 59	Control resistor for dashboard lighting
58	brown / red	58		Control resistor for fitting illumination	Ammeter lighting
59	brown / red	58		Soldering point pcb. no. 54; 56; 58; 59	Switch for engine compartment light ?
60	brown			Light switch terminal 58	Soldering joint, wire no. 54; 56; 58; 59
61	grey	15		Soldering point line 57	Instrument lighting
62	yellow	15		Soldering point pcb. no. 41	Cable connection Control lights (charge control)
63	green	56a		Soldering point pcb. no. 45	Cable connec. Control lights (fuel reserve indicator)
64	green	56a		Soldering point pcb. no. 10; 13; 23; 63; 64	Cable connec. Control lights (high beam control)
65	red / violet	30		Soldering point, circuit no. 10; 13; 23; 63; 64	Fog light switch
66	black			Soldering point, line no. 30	Fog light switch
67	red / grey	30		Pusher for windscreen washer pump	Cigar lighter
68	red			Ammeter +	Windscreen washer pump
69	yellow			Wiper switch	Ignition lock input (connection AM)
				Wiper switch	Wiper motor
				Wiper switch	Wiper motor

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
70	black	31		Wiper switch (ground)	Wiper motor (ground)
71	green			Wiper switch	Wiper motor
72	red / red	30	2A	Fuse box	Hazard warning switch
73	red / red			Hazard warning switch	Hazard warning switch Connection 10
74	black			Hazard warning signal transmitter connection 1	Ground
75	white / red			Hazard warning flasher unit connection 2	Cable connection Indicator switch (output front left)
76	white / green			Hazard warning flasher unit connection 3	Cable connection Indicator switch (output front r.)
77	white / red			Hazard warning flasher unit connection 4	Cable connector rear lamp set (indicator hi. left.)
78	white / green			Hazard warning flasher unit connection 5	Cable connector tail light kit (indicator hi. r.)
79	green / white			Hazard warning flasher unit connection 6/7 **	Hazard warning light control
80	black / black			Hazard warning flasher control **	Ground

****Please note:**

With non-original 3-pole foot dipped beam switch (orig has 5 poles) , cables 9 (yellow) and 22 (white / yellow) for the parking light must be short-circuited!

Line no. 79 appears twice in the wiring diagram for the hazard warning flasher unit. However, only one can be connected.

Line no. 79 (terminal 7, negative pulse) is installed in the switch for indicator lights, the second terminal of which is connected directly in the switch to the operating voltage.
Line no. 80 is not required.

Line no. 79 (terminal 6, pos. cycle) is for separate indicator lights, the 2nd terminal of which is exposed and connected to earth (earth = lead no. 80).

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

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Part number 999 541 65 02

Facel Vega HK 500 Wiring loom front (head lamps)

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
1	yellow	57		Cable connector front lamp set	Parking light right
1.1	yellow	57		Solder joint line 1	Parking light left
2	black	31		Indicator, fog light, parking light right, headlight left	Cable connector front set (ground)
2.1	black	31		Headlight right, Turn signal, Fog light, Parking light left	Cable connector front set (ground)
2.2	black				
3	white / green			Cable connector front set	Indicator front right
4	blue / green			Cable connector front set	Front fog light right
6	blue	56b		Left low beam	Low beam right
6.1	blue	56b		Solder joint wire no. 6 (low beam)	Cable connector, front set
7	green	56a		Left main beam	Main beam right
7.1	green	56a		Soldering point wire no. 7 (high beam)	Cable connector, front set
8	black / red			Horn relay output terminal 87	Horn right
8.1	black / red			Soldering point wire no. 8 (horn relay)	Horn left
9	white / red			Cable connector front set	Indicator front left
10	blue / red			Cable connector front set	Fog light left
11	black / red			Horn relay KI.85	Cable connector front set (to horn push button)
12	black / red plug			Horn relay KI.30/51	Cable connector front set (fuse box)

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

Part number 999 541 65 03

Facel Vega HK 500 Wiring loom for elektric windows

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
1	yellow			Switch left side for window regulator right	Relay for window motor right
1.1	yellow	31		Switch right side for window regulator right	Soldering joint line no. 1 (power window motor relay)
2	violet	30	3 A	Switch left side for window regulator right	Relay for window motor right
2.1	violet			Switch right side for window regulator right	Soldering point wire no. 2 (power window motor relay)
3	black	31		Relay for window motor right (ground)	Relay for right window motor (ground)
3.1	black	31		Interior light right (ground)	Soldering point wire no. 3 (earth)
3.2	black	31		Ground connection at steering column	Soldering point wire no. 3; 3.1; 3.3 (earth)
3.3	black			Interior light left (ground)	Soldering point wire no. 3
4	red	30	3A	Fuse no. 2 output	Relay for right window motor
4.1	red	30		Soldering point for wire no. 4 (fuse box)	Switch right side for window regulator right
4.2	red	30		Soldering point, wire no. 4 (fuse box)	Switch left side for window regulator right
5	red / white	30		Door contact switch right	Door contact switch left
5.1	red / white	30		Soldering point wire no. 5 (fuse box)	Cable connec. Main cable set (interior light switch)
5.2	red / white	30	2A	Fuse box	Soldering point Ltg. no. 5
6	red / white			Door contact switch right	Door contact switch left
6.1	red / white			Soldering point wire no. 6	Interior light right
6.2	red / white			Soldering point line no. 6	Cable connection Main wiring harness (interior light switch)
6.3	red / white			Soldering point wire no. 6	Interior light left
9	yellow			Left-hand switch for left-hand window regulator	Relay for window motor left
10	violet			Left-hand switch for left-hand window regulator	Relay for window motor left
11	red / violet	30	3A	Fuse box	Relay for window motor left
11.1	red / violet			Soldering point wire no. 11	Left side switch for window regulator left

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

Part number 999 541 65 04

Facel Vega HK 500 Wiring loom tail lamps with seperate loom for Pos. 1 and 2

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
1	black	58		Cable connector Ltg No. 7.4 (parking light)	Reversing light switch
2	black			Reversing light switch	Cable connector cable no. 13 (reversing light)
3	blue / yellow			Cable connector tail light kit (fuel gauge)	Fuel tank sender
4	red / yellow			Cable connector tail light kit (fuel gauge)	Fuel tank sender
5	green / yellow			Cable connector tail lamp. (reserve warning light)	Fuel tank sender
6	black	31		Ground fuel tank sensor	Ground electr. antenna
6.1	black	31		Soldering point line no. 6	Ground
7	brown	58		Cable connector rear lamp set	Rear light right
7.1	brown / red	58		Soldering point wire no. 7	Cable connector, wiring harness, licence plate light
7.2	brown / red	58		Soldering point wire no. 7	Switch for boot light
7.3	brown	58		Soldering point line no. 7	Rear light left
7.4	brown / black	58		Soldering point line no. 7	Cable connector reversing light switch (cable No. 1)
7.5	brown / red			Switch for boot light	Trunk light
7.6	brown / red	58		Cable connector, wiring harness, licence plate (item 7.1)	Licence plate light
8	white / green			Indicator switch rear right	Indicator - brake light right
9	white / red			Indicator switch rear left	Indicator - brake light left
10	brown / white			Cable connector reversing light switch (cable No. 2)	Cable connector, licence plate light kit (reversing)
10.1	brown / red			Cable connector number plate light kit (reverse)	Reversing light
11	red / black			Radio (antenna control output)	electr. aerial
12	brown			Radio (antenna power supply)	electr. aerial
13	red / white			Cable connec. tail lights. (trunk light switch)	Cable connector overhead light

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

Part number 999 541 65 05
Facel Vega HK 500 Miscellaneous

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
1	red / black	DF		Generator Kl. DF (FLD)	Regulator DF (FLD)
2	red / green	D+/61		Generator Kl. D+	Controller D+
3	black	D-		Generator Kl. D- (ARM)	Regulator D- (ARM)
4	brown			Blower motor	A/C compressor ??
4.1	brown			Switch for blower motor	Soldered joint, wire no. 4 (blower motor)
5	green			Switch for blower motor	Blower motor
6	grey / green			Blower motor	???
7	red / white			Overhead light left	Ceiling light right
7.1	red / white			Cable connector tail light set	Solder joint no. 7
8	black	15		Ignition lock cl. ACC	Radio (power supply)
9	black	31		Earth wire set	
9.1	black				
9.2	black				
9.3	black				
9.4	black				

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

Part number 999 541 65 07

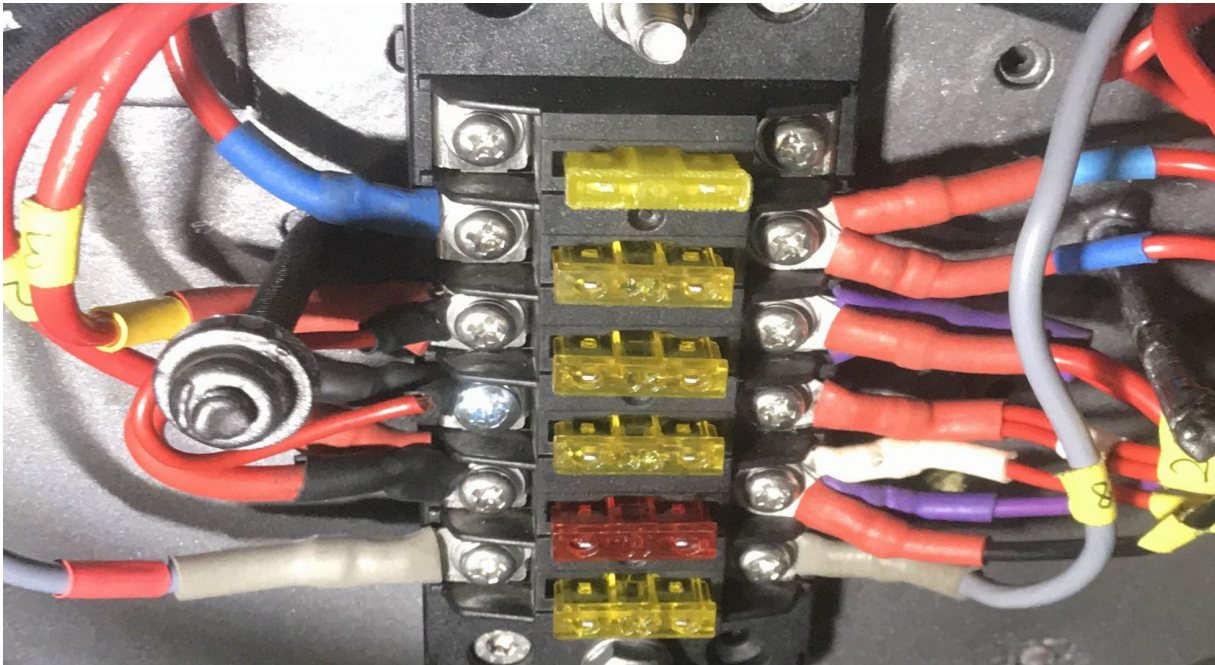
Facel Vega HK 500 Wiring harness for indicator lights

<u>No.</u>	<u>Colour coding</u>	<u>Terminal</u>	<u>Fuse:</u>	<u>Connection from : :</u>	<u>to :</u>
18	red / green	D+/61		Cable connector to main cable set	Charge control
34	black / white			Cable connector to main cable set	Flashing control
51	green / white			Cable connector to main cable set	Fuel tank reserve indicator
61	grey	15		Cable connector to main cable set	Charge control
62	green / yellow	15		Cable connector to main cable set	Fuel tank reserve indicator
63	green	56a		Cable connector to main cable set	High beam control
80	black	31		Ground	High beam control
80.1	black	31		Solder joint Ltg, No. 80 (ground)	Flashing control

In the fuse column, e.g. 1E = fuse no. 1 input or 1A = fuse no. 1 output.

Please note: The correctness of the connection diagram cannot be guaranteed!

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Assignment of fuse box HK500

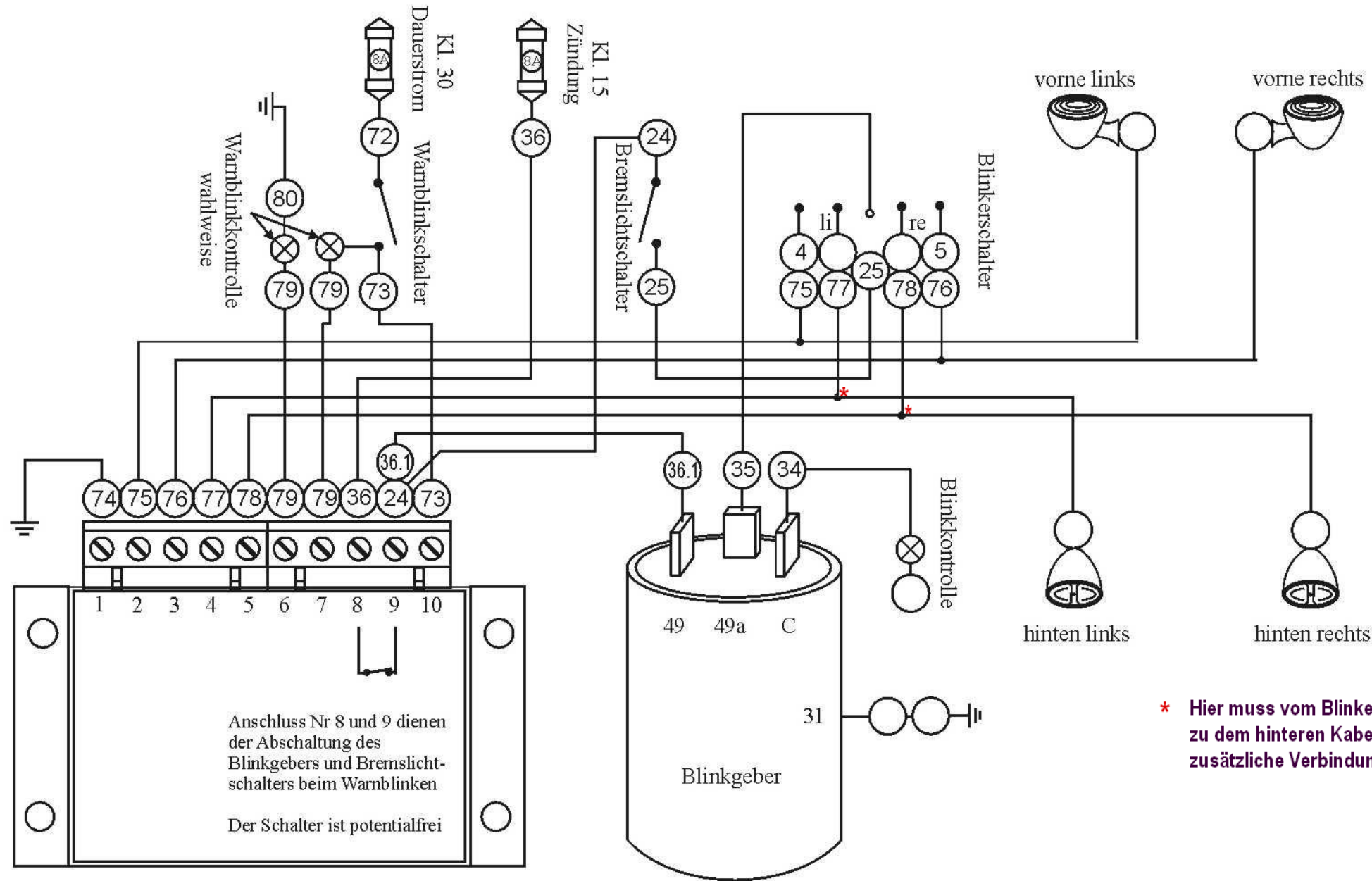
No.	left from the battery	Fuse	right fused	Comment
Fuse 1 (top)	free	free	free	./.
Fuse 2	red / blue	20 A	2 x red / blue	No.4 in the original wiring diagram
Fuse 3	red / yellow Bridge 3 → 4	20 A	red and violet	No.2 in the original wiring diagram
Fuse 4	2 x red Bridge 4 → 5	20 A	red	No.2 in the original wiring diagram
Fuse 5	red / black (bridge)	20 A	red / white violet black red	No.3 in the original wiring diagram
Fuse 6 (bottom)	grey / red	20 A	grey / grey	No.1 in the original wiring diagram

Anschlußplan - Blink-Warnblinkgeber 0101/02

Fahrzeugtyp: Facel Vega HK 500

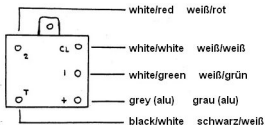
Zeichnungs - Nr.: 999 541 65 01

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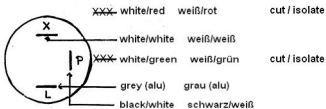


* Hier muss vom Blinkerschalter am Lenkrad zu dem hinteren Kabelsatz (65 04) eine zusätzliche Verbindung geschaffen werden!

Blinker - Flasher relay - Clignotant



Wiring diagram original with Scintex relais



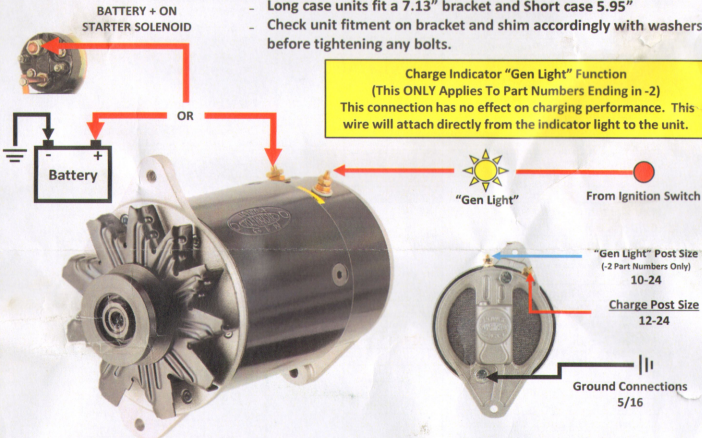
Wiring diagram with modern 3-pole relais

ALTERNATOR WIRING INSTRUCTIONS

Important Notes:

- These units are internally regulated and the OE external regulator must be bypassed, removed, or used for appearance only
- Units will not support power steering or tach drive attachments
- All units supplied with pulley for 3/8" V belt (Optional pulleys available)
- Long case units fit a 7.13" bracket and Short case 5.95"
- Check unit fitment on bracket and shim accordingly with washers before tightening any bolts.

8 gauge Draht Querschnitt
entspricht etwa 10 mm²



Disconnect Battery Negative (-)

READ ALL INSTRUCTIONS IN BOX!

Charge Wires: Use 8 gauge power cable up to 6 ft.

Ammeters: Do not reconnect the factory ammeter when using these units. Factory ammeters are typically limited to 30 amps. Please consider a volt gauge to monitor your charging system.

Alternator Ground: The OE bracket will not supply a solid alternator ground. Always add an 8 gauge ground lead from the alternator housing to engine block.

Battery must have a clean ground to engine block.

Wire Connections: Be sure all terminals are crimped securely, and connections are clean and tight.

Belt Tension: inspect belt for signs of cracking or glazing. Replace if needed. A loose belt will cause intermittent charging and generate excessive heat resulting in premature unit/bearing failure. Keep in mind "Alternator tight not generator loose".

A fully charged battery is at least 12.6V, not 12.0V (6.4V for 6V system). A weak/defective battery will cause premature failure.

Never disconnect the battery with engine running! This causes voltage spikes that will damage the alternator. When working correctly 12V units will produce 14-14.8V and 6V units will produce 6.8-7.3V.

**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY VOID
YOUR WARRANTY**