

Notes on Wiring Harnesses and Wiring Diagrams

The wiring harnesses shown are intended to serve during a trouble diagnosis. They correspond to the wiring harnesses in the vehicle and are not reduced in scale.

All the distances between the lacing to the switches and consumers are showing the actual length. The item numbers are showing the function, the cable color and the cross section of the leads.

The tail light wiring harness (54.1–122) and the engine wiring harness (54.1–135) are connected to the main wiring harness by means of plug connections.

Not shown are simple supplementary wiring harnesses which are of no significance for a trouble diagnosis.

All the leads are given an item number. Several item numbers shown for one lead mean that several cables are connected to each other at this point.

Example for Use during a Trouble Diagnosis:

Complaint: Terminal 50 on starter motor receives no current.

Trouble diagnosis: On the cable sleeve for starting motor (40), item No. 13 indicates terminal 50. The list of item numbers shows that the lead 13 runs from the cable sleeve to the starting motor relay (36). When looking through the item numbers, the starting motor relay (36) shows, for example, that the lead 121 (terminal 50) runs to the starter locking and back-up light switch (21) or that the lead 118 runs to the fusebox etc.

This shows among others which pole of a plug connection should carry voltage. The function of the connections is shown in the wiring diagram.

Item No.	Lead from	to	Basic color	Color coding	Fuse	Cross section mm ²
1	Cable sleeve terminal 30	Fusebox terminal 30	red	—	—	6
2						
3	Alternator regulator terminal D +	Coupling instrument cluster II (charging control)	blue	—	—	0.5
4	Fusebox terminal 15	Coupling instrument cluster II (charging control)	blue	red	8/7	0.5
5	Fusebox terminal 30	Rotary light switch terminal 30	red	—	2/1	6
6	Rotary light switch	Fusebox terminal 58	grey	—	13/14	1.5
7	Rotary light switch terminal 56	Coupling steering gear wiring harness terminal 56	white	yellow	—	2.5
8	Rotary light switch terminal 30	Coupling ignition starting switch terminal 30	red	—	—	2.5
9	Rotary light switch terminal 30	Coupling ignition starting switch terminal 30	red	—	—	2.5
10	Fusebox terminal 15	Series resistance 0,4 Ω	red	black	11/12	1.5
11	Cable sleeve terminal 16	Series resistance 0,4 Ω	red	violet	—	1.5
12	Coupling ignition starting switch terminal 50	Coupling starter locking and back-up light switch	violet	white	—	1.5
13	Cable sleeve terminal 50	Coupling starter relay terminal 87	violet	—	—	2.5
14	Coupling ignition starting switch terminal R	Fusebox terminal 30	red	green	3/4	1.5
15	Fusebox terminal 30	Automatic antenna	red	—	1	1.5
16	Coupling turn signal flasher terminal 31	Automatic antenna (ground connection)	brown	—	—	1.5
17	Cable sleeve for ignition distributor	Coupling instrument cluster II (revolution counter)	green	black	—	0.5

The ignition is not fused

(SA) = optional



54.1 Main Wiring Harness

Item No.	Lead from	to	Basic color	Color coding	Fuse	Cross section mm ²
18	Coupling steering gear wiring harness	Fusebox terminal 56a	white	—	18/17	2.5
19	Coupling steering gear wiring harness	Fusebox terminal 56b	yellow	—	20/19	2.5
20	Fusebox terminal 56a	Coupling headlight right high beam	white	—	17	1.5
21	Fusebox terminal 56a	Coupling headlight left high beam	white	black	18	1.5
22	Fusebox terminal 56a	Coupling instrument cluster II (high beam pilot)	white	blue	17	0.5
23	Fusebox terminal 56b	Coupling headlight right dimmer	yellow	—	19	1.5
24	Fusebox terminal 56b	Coupling headlight left dimmer	yellow	black	20	1.5
25						
26						
27	Fusebox terminal 58	Coupling clearance and parking light right	grey	red	13	0.5
28	Fusebox terminal 58	Coupling clearance and parking light left	grey	black	16	0.5
29	Fusebox terminal 15	Coupling ignition starting switch terminal 15	red	black	8/7	2.5
30	Fusebox terminal 15	Coupling ignition starting switch terminal 15	red	black	8/7	2.5
31	Fusebox terminal 58	Rotary light switch terminal NSE	grey	green-yellow	15	2.5
32	Rotary light switch terminal N	Fog light right	grey	green	—	1.5
33						
34	Rotary light switch terminal N	Fog light left	grey	green	—	1.5
35	Fusebox terminal 30	Coupling ignition starting switch terminal P 30	red	green	2	0.75
36	Coupling ignition starting switch terminal P	Rotary light switch terminal P 30	green	white	—	0.75
37	Rotary light switch terminal 58 L	Fusebox terminal 58	grey	white	16/15	2.5
38	Fusebox terminal 58 R	Rotary light switch terminal K 30	grey	red	13	0.75
39	Rotary light switch terminal K	Coupling tail lamp wiring harness license plate light	grey	violet	—	0.75
40	Ground connection	Coupling wiper motor ground	brown	—	—	1.5
41	Fusebox terminal 15	Warning blinker switch terminal 15	black	red-green	8	1
42	Ground connection	Warning blinker switch terminal 31	brown	—	—	1
43	Fusebox terminal 30	Warning blinker switch terminal 30	red	white	2	1
44	Coupling steering gear cable harness	Blinker transmitter terminal 49a	black	white-green	—	1
45	Warning blinker switch terminal 15/30	Blinker transmitter terminal 49	black	red	—	1
46	Warning blinker switch terminal 49a	Blinker transmitter terminal 49a	black	white-green	—	1
47	Warning blinker switch terminal L	Coupling steering gear cable harness	black	white	—	1
48	Warning blinker switch terminal R	Coupling steering gear cable harness	black	green	—	1
49	Ground connection	Blinker transmitter terminal 31	brown	—	—	1
50						
51	Fusebox terminal 30	Coupling steering gear cable harness (headlamp flasher)	red	blue-white	4	1.5
52	Fusebox terminal 56a	Coupling steering gear cable harness (headlamp flasher)	white	violet	18/17	1.5
53	Fusebox terminal 30	Coupling tail lamp wiring assembly trunk light	red	white-yellow	2	1
54	Coupling steering gear cable (horn)	Ground connection	brown	—	—	1.5
55	Rotary light switch terminal K	Coupling instrument cluster II	grey	violet-green	—	0.5

Item No.	Lead from	to	Basic color	Color coding	Fuse	Cross section mm ²
56	Coupling illumination for heater controls	Coupling time clock terminal + B	grey	blue	—	0.5
57	Ground connection	Coupling illumination for heater controls terminal 31	brown	—	—	0.5
58	Coupling tail light wiring harness (terminal K)	Coupling warning blinker switch terminal 58	grey	violet	—	0.75
59						
60	Fusebox terminal 58	Coupling tail light wiring harness clearance and parking light right	grey	red	13	0.75
61	Fusebox terminal 58	Coupling tail light wiring harness clearance and parking light left	grey	black	16	0.75
62	Fusebox terminal 15	Brake light switch	black	red-violet	10	0.75
63	Coupling tail light wiring harness stop light	Coupling stop light switch	black	red	—	0.75
64	Fusebox terminal 15	Coupling starter locking and back-up light switch	black	yellow-red	8	0.75
65	Coupling tail light wiring harness back-up light	Coupling starter locking and back-up light switch	grey	yellow	—	0.75
66	Fusebox terminal 15	Horn I	black	yellow	5	2.5
67	Coupling steering gear wiring harness horn contact	Horn II	black	yellow pink	—	1.5
68	Horn I	Horn II	black	yellow	(5)	1.5
69	Horn I	Horn II	black	yellow-pink	—	1.5
70	Fusebox terminal 15	Coupling wiper motor terminal 4	black	violet	5	1.5
71	Coupling washer switch	Coupling steering gear cable harness	black	violet	(5)	1.5
72	Coupling washer switch	Coupling wiper motor terminal 4	black	violet	(5)	1.5
73	Coupling steering gear cable harness wiper switch St. I	Coupling washer switch	black	violet-blue	—	1.5
74	Coupling wiper motor terminal 1	Coupling washer switch	black	violet-blue	—	1.5
75	Coupling steering gear cable harness wiper switch St. II	Coupling wiper motor terminal 13	black	violet-green	—	1.5
76	Coupling steering gear cable harness wiper switch St. III	Coupling wiper motor terminal 2 (interm.)	black	violet-white	—	1.5
77	Rotary light switch terminal 31	Coupling wiper motor ground connection	brown	—	—	1.5
78	Fusebox terminal 15	Coupling 4-stage blower switch	black	green	7	2.5
79	Fusebox terminal 15	Coupling series resistance blower terminal 8	black	green pink	7	2.5
80	4-Stage blower switch St. I	Coupling series resistance blower terminal 1	green	red	—	1.5
81	4-Stage blower switch St. II	Coupling series resistance blower terminal 5	green	yellow	—	1.5
82	4-Stage blower switch St. III	Coupling series resistance blower terminal 7	green	white	—	1.5
83	4-Stage blower switch St. IV	Coupling series resistance blower terminal 6	green	—	—	2.5
84	Ground connection	Series resistance blower terminal 3	brown	—	—	2.5
85	Fusebox terminal 15	Coupling micro switch	black	green-pink	7	1
86	Coupling micro switch	Coupling 3-way valve	green	pink	—	1
87	Ground connection (coupling series resistance)	Coupling 3-way valve I (ground)	brown	—	—	1
88	Coupling three-way valve I	Coupling 3-way valve II	green	pink	—	0.75
89	Coupling three-way valve I	Coupling 3-way valve II	brown	—	—	0.75
90	Fusebox terminal 15	Coupling cigar lighter terminal +	black	yellow green	5	1.5

54.1 Main Wiring Harness

Item No.	Lead from	to	Basic color	Color coding	Fuse	Cross section mm ²
91	Ground connection	Coupling cigar lighter terminal 31	brown	—	—	1.5
92	Coupling tail light wiring harness (turn signal flasher left)	Coupling turn signal flasher (front left)	black	white	—	1
93	Coupling tail light wiring harness (turn signal flasher right)	Coupling turn signal flasher (front right)	black	green	—	0.75
94	Coupling tail light wiring harness (fog tail light)	Rotary light switch terminal NS	grey	green	—	1
95						
96	Coupling tail light wiring harness fuelling equipment (transmitter)	Coupling instrument cluster I fuel gauge (transmitter)	blue	black	—	0.5
97	Coupling tail light wiring harness fuelling equipment (warning contact)	Coupling instrument cluster I tank reserve warning light	blue	green	—	0.5
98	Ground connection	Coupling instrument cluster I terminal 31	brown	—	—	0.5
99						
100	Ground connection	Coupling headlight ground connection right	brown	—	—	1.5
101	Ground connection	Coupling headlight ground connection left	brown	—	—	1.5
102	Coupling steering gear cable harness turn signal flasher switch right	Coupling tail light wiring harness	black	green	—	1
103	Coupling steering gear cable harness turn signal flasher switch left	Coupling tail light wiring harness	black	white	—	1
104	Fusebox terminal 30	Coupling glovebox light	red	white-green	2	0.75
105	Ground connection	Coupling glovebox light	brown	—	—	0.5
106						
107	Steering gear cable harness (turn signal flasher right)	Coupling cluster II terminal 9	black	green	—	0.5
108	Steering gear cable harness (turn signal flasher left)	Coupling cluster I terminal 3	black	white	—	0.5
109						
110	Alternator terminal D +	Alternator regulator terminal D +	red	—	—	1
111	Alternator terminal DF	Alternator regulator terminal DF	black	—	—	1
112	Alternator terminal D —	Alternator regulator terminal D	brown	—	—	1
113						
114	Relay cold start terminal 87	Coupling electronic feeder	pink	blue	—	1.5
115	Relay cold start terminal 85	Coupling electronic feeder	pink	—	—	0.75
116	Fusebox terminal 15	Coupling relay starting valve terminal 30	black	pink-red	10	1.5
117	Coupling relay cold start terminal 86	Coupling relay starter terminal 86	black	pink-blue	—	0.75
118	Fusebox terminal 15	Coupling relay starter terminal 30	black	violet	10/9	2.5
119						
120	Ground connection	Coupling relay starter terminal 85	brown	—	—	0.75
121	Coupling starter locking and back-up light switch	Coupling relay starter terminal 86	violet	white	—	1.5
122	Coupling relay cold start terminal 86	Coupling electronic feeder terminal 50	lilac	—	—	0.75
123	Coupling electronic feeder	Coupling pump relay terminal 85	brown	white	—	0.75
124	Coupling main relay terminal 87	Coupling electronic feeder	black	—	—	0.75
125	Coupling main relay terminal 87	Coupling pump relay terminal 86	black	—	—	0.75
126	Coupling main relay terminal 30	Battery + pole	red	—	—	2.5
127	Coupling main relay terminal 85	Ground connection	brown	—	—	0.75

Item No.	Lead from	to	Basic color	Color coding	Fuse	Cross section mm ²
128	Fusebox terminal 15	Coupling main relay terminal 86	black	red	14	0.75
129	Fusebox terminal 15	Coupling pump relay terminal 30	black	red	14	2.5
130	Coupling tail light wiring harness	Coupling pump relay terminal 87	black	white-red	—	2.5
131						
132	Coupling instrument cluster I	Coupling brake control switch 1	brown	white-green	—	2.5
133	Coupling brake control switch 1	Coupling brake control switch 2	brown	white-green	—	0.5
134	Coupling brake control switch 1	Coupling wiper motor (ground connection)	brown	—	—	0.5
135	Coupling brake control switch 1	Coupling brake control switch 2	brown	—	—	0.5
136	Ground connection	Fog light (ground connection) right	brown	—	—	0.5
137	Ground connection	Fog light (ground connection) left	brown	—	—	1.5
138	Coupling temperature sensor (water)	Coupling instrument cluster I	green	—	—	0.75
139	Coupling pedal parking brake	Coupling instrument cluster I	brown	white-red	—	0.5
140	Coupling pedal parking brake	Ground connection (wiper)	brown	—	—	0.5
141	Rotary light switch terminal K	Coupling gear step indicator light	grey	blue	—	0.75
142						
143						
144	Fusebox terminal 15	Coupling starter locking switch	black	red-green	12	1.5
145	Coupling starter locking switch	Coupling solenoid valve (automatic transmission)	green	—	—	1.5
146	Fusebox terminal 15	Coupling instrument cluster I	black	green	8	1
147	Fusebox terminal 15	Coupling instrument cluster II (revolution counter)	black	red	8	1
148	Fusebox terminal 30	Coupling time clock	red	yellow	2	1
149	Coupling instrument cluster I (potentiometer output)	Coupling time clock	grey	red	—	0.5
150	Ground connection	Coupling time clock (ground connection)	brown	—	—	1.5
151	Fusebox terminal 30	Radio	red	green	3	1.5
152	Coupling time clock (ground connection)	Radio (ground connection)	brown	—	—	—
153	time switch for automatic antenna	Automatic antenna	blue	—	—	1
154						
155						
156	Fusebox terminal 30	Coupling door contact right	red	grey	2	0.75
157	Coupling door contact left	Coupling door contact right	red	grey	—	0.75
158	Coupling entrance light right	Coupling door contact right	grey	—	—	0.75
159	Coupling entrance light right	Coupling entrance light left	grey	—	—	0.75
160	Coupling door contact left	Coupling entrance light left	grey	blue	—	0.75
161	Ground connection	Coupling entrance light right	brown	—	—	0.75
162	Ground connection (steering gear cable harness)	Coupling entrance light left	brown	—	—	0.75
195	Ground connection	Coupling washer pump	brown	—	—	1.5
196	Coupling washer switch	Coupling washer pump	violet	yellow	—	1.5

