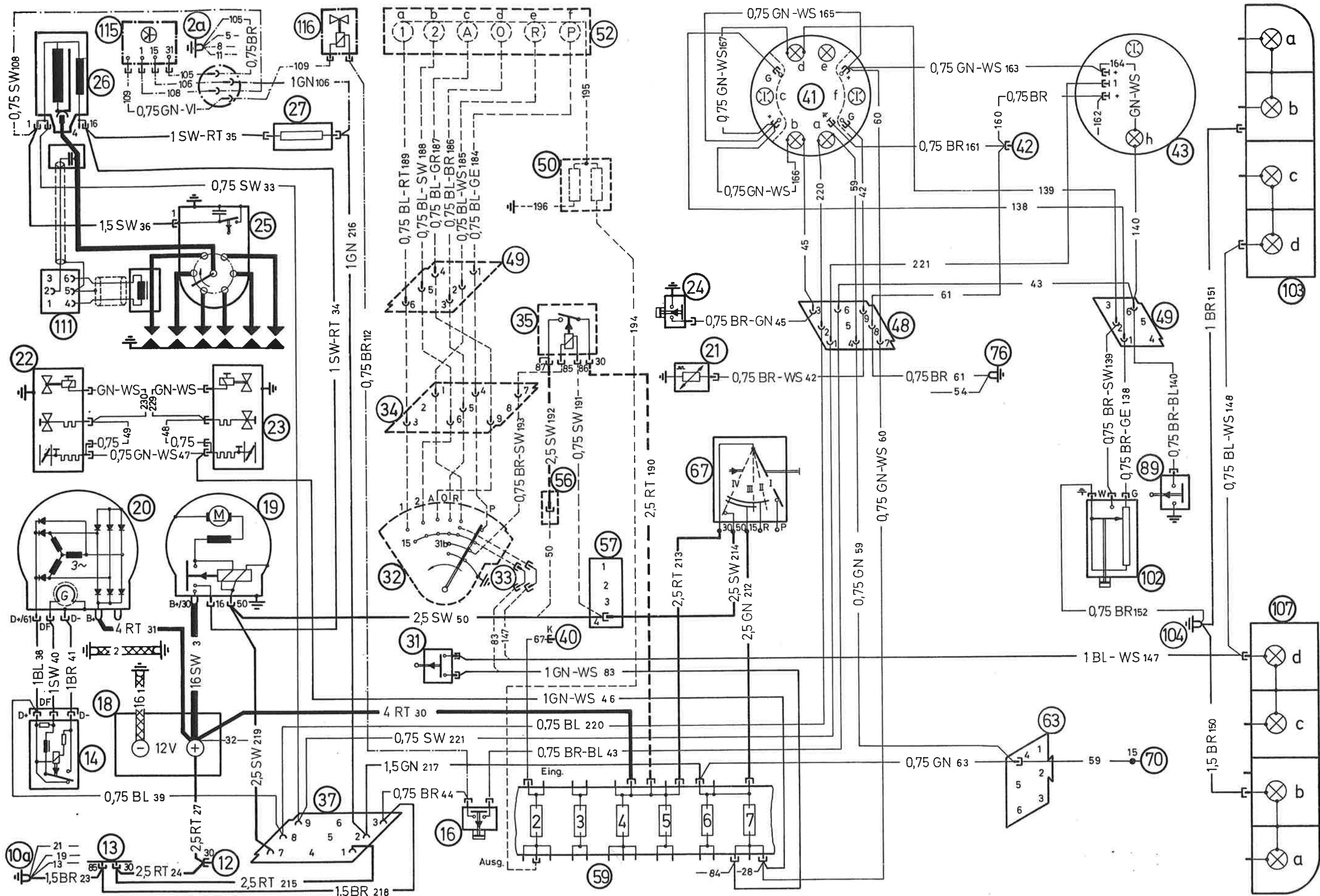
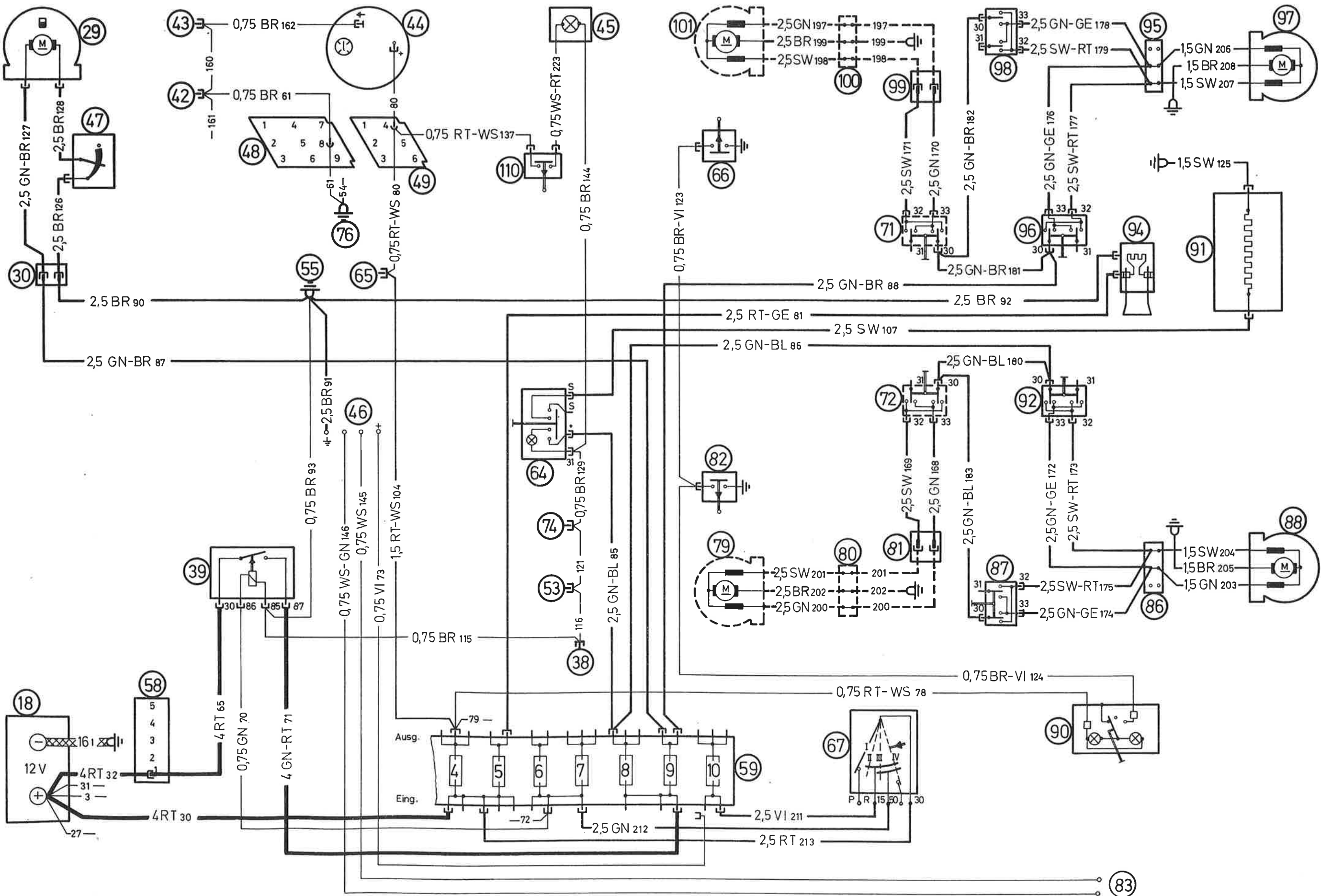


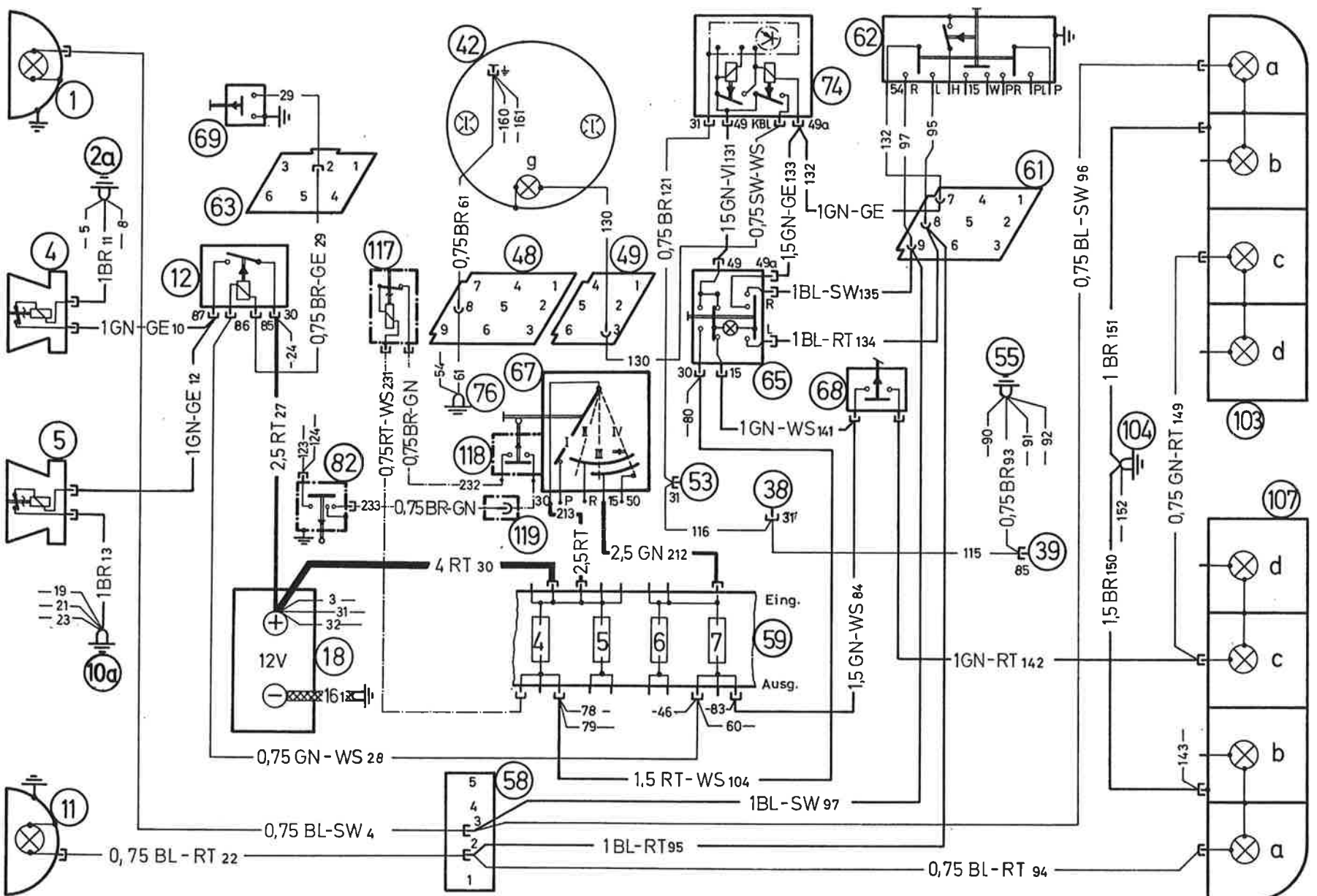
- 39 Load-shedding relay  
40 Light switch  
41 Gauge cluster  
a = Battery charge (red)  
b = Oil pressure telltale (orange)  
c = Fuel gauge  
d = Fuel level telltale (white)  
e = High beam telltale (blue)  
f = Coolant thermometer  
l = Dial illumination  
42 Speedometer  
g = Turn indicator telltale (green)  
l = Dial illumination  
43 Revolution counter  
h = Handbrake telltale  
l = Dial illumination  
44 Clock  
l = Dial illumination  
45 Glove box illumination  
46 Connection for radio set  
47 Heater controls  
48 Plug connector for gauge cluster, 9-pole  
49 Plug connector for gauge cluster, 6-pole  
50 Voltage divider for automatic selector lever position indicator (automatic transmission only)  
51 Joint  
52 Automatic selector lever position indicator  
a = position indicator 1 (green)  
b = position indicator 2 (green)  
c = position indicator A (green)  
d = position indicator O (white)  
e = position indicator R (red)  
f = position indicator P (white)  
53 Switch for rear fog warning light  
55 Earth  
56 Plug connector 1-pole (automatic transmission only)  
57 Plug board, 4-pole  
58 Plug board, 5-pole  
59 Fuse box  
60 Selector lever gate illumination  
61 Plug connector for turn indicator switch, 9-pole  
62 Turn indicator switch  
63 Plug connector for dip switch, 6-pole  
64 Switch for heated rear window  
65 Hazard warning flasher switch  
66 Door-operated switch, RH  
67 Ignition/starter switch  
68 Stop light switch  
69 Horn pushes  
70 Dip switch  
71 Switch 3 for window lift  
72 Switch 1 for window lift  
73 Plug connector for ignition/starter switch  
74 Hazard warning flasher unit  
76 Earth  
79 Window lift motor, LH front  
80 Terminal connection, 3-pole  
81 Plug board, 2-pole  
82 Door-operated switch, LH  
83 Connection for rear loudspeaker  
84 Switch for luggage compartment illumination  
85 Luggage compartment illumination  
86 Terminal connection, 3-pole  
87 Switch 5 for window lift  
88 Window lift motor, LH rear  
89 Handbrake contact  
90 Interior light  
91 Heated rear window  
92 Switch 2 for window lift  
93 Wiper speed control switch  
94 Cigar lighter  
95 Terminal connection, 3-pole  
96 Switch 4 for window lift  
97 Window lift motor, RH rear  
98 Switch 6 for window lift  
99 Plug board, 2-pole  
100 Terminal connection, 3-pole  
101 Window lift motor, RH front  
102 Fuel gauge transmitter  
103 Rear light cluster, RH  
a = Turn indicator

# Engine electrical system and controls BMW 2800 CS/2800 CSA/2800 CS USA/2800 CSA USA

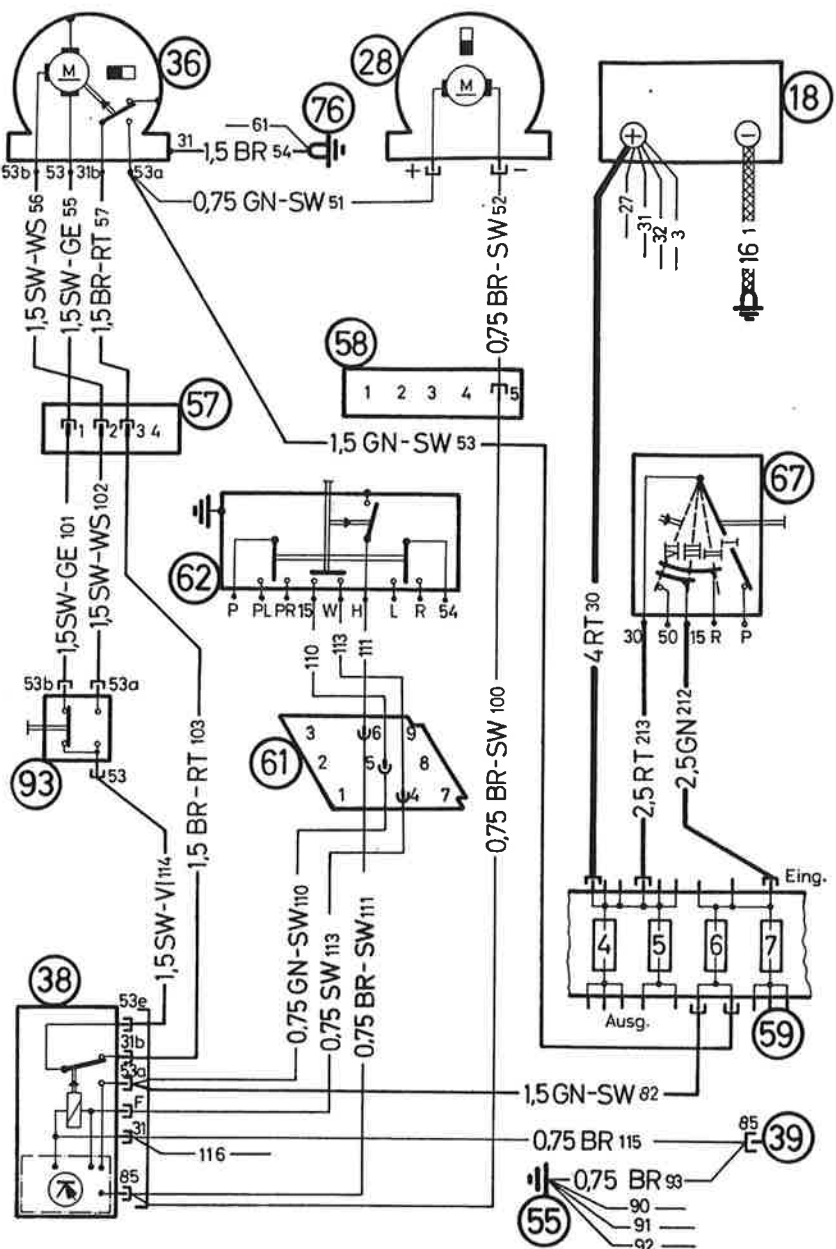


# Electrical comfort equipment BMW 2800 CS/2800 CSA/2800 CS USA/2800 CS USA USA





**Wipe-and-wash system BMW 2800 CS/2800 CSA/2800 CS USA/2800 CSA USA**

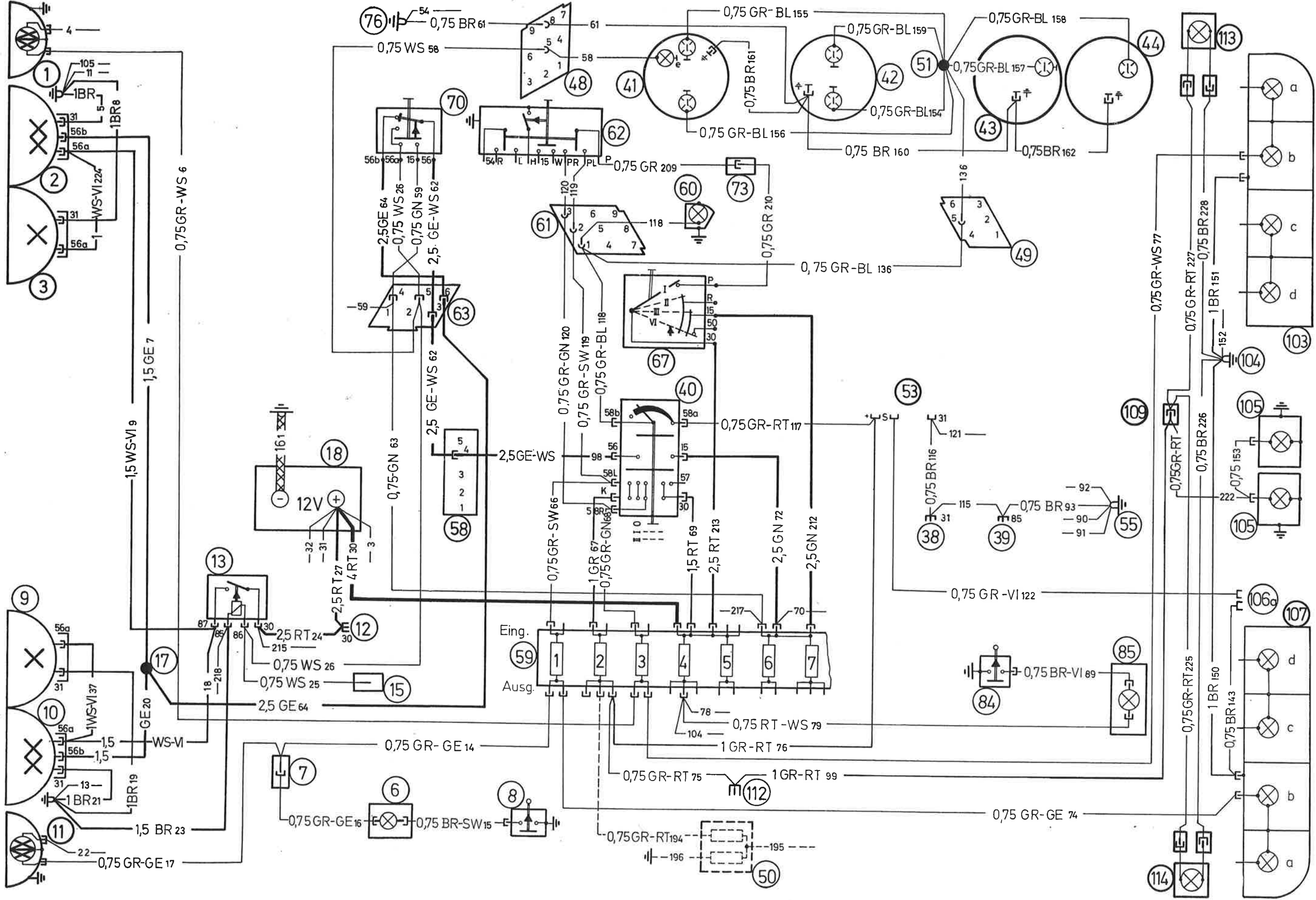


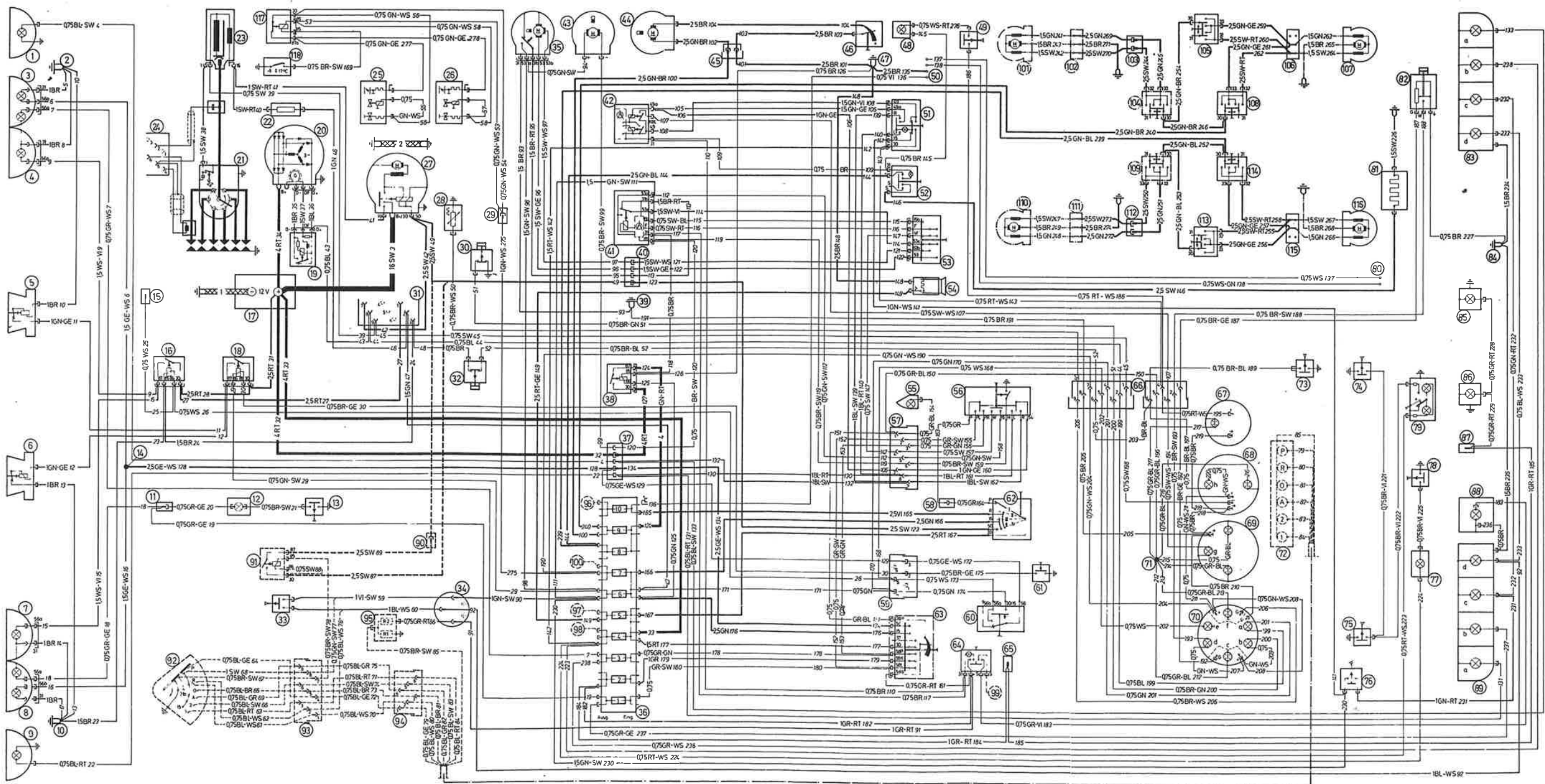


# Lighting system BMW 2800 CS/2800 CSA/US version

12.71 Alteration

61-0/33





Wiring diagram BMW 2800 CS USA/2800 CSA USA/3.0 CS USA/3.0 CSA USA/3.0 CSI USA/3.0 CSiA USA with wipe-and-wash interval control unit

61-0/42

1 Turn indicator RH front with parking light  
2 Earth  
3 Sealed beam headlamp II, RH  
4 Sealed beam headlamp I, RH  
5 Horn, RH  
6 Horn, LH  
7 Sealed beam headlamp I, LH  
8 Sealed beam headlamp II, LH  
9 Turn indicator LH front with parking light  
10 Earth  
11 Plug connector for engine compart. light  
12 Engine compartment light  
13 Switch for engine compartment light  
14 Soldering joint  
15 Connection for fog lamp relay  
16 High beam relay  
17 Battery 12 V  
18 Horn relay  
19 Voltage regulator  
20 Alternator  
21 Ignition distributor  
22 Primary resistor  
23 Ignition coil  
24 Connection for program tester with cable and transmitter  
25 Automatic choke, front  
26 Automatic choke, rear  
27 Starter  
28 Temperature transmitter  
29 Plug connector for automatic choke  
30 Oil pressure switch  
31 Connection for program tester  
32 Brake fluid level control switch  
33 Reversing light switch  
(manual gearshift only)  
34 Plug connector for reversing light switch  
35 Screenwiper motor  
36 Fuse box  
37 Plug connector I  
38 Load-shedding relay  
39 Earth  
40 Plug connector II  
41 Wipe-and-wash interval control unit  
42 Hazard warning flasher transmitter  
43 Screenwasher pump  
44 Heater blower motor  
45 Plug connector for heater blower motor  
46 Heater controls

47 Earth  
48 Glove box illumination  
49 Switch for glove box illumination  
50 Connection for radio set  
51 Hazard warning flasher switch  
52 Switch for heated rear window  
53 Wiper speed control switch  
54 Plug socket with cigar lighter  
55 Selector lever gate illumination  
56 Turn indicator, parking light, wiper and washer switch  
57 Plug connector for turn indicator switch  
58 Plug connector for parking light  
59 Plug connector for dip switch  
60 Dip switch  
61 Horn pushes  
62 Ignition/starter switch  
l = Halt, II = 0, III = Drive, IV = Start  
63 Main light switch  
64 Switch for fog warning rear light a, fog lamps  
65 Connection for lighting (58 K)  
66 Plug connector for gauge cluster  
67 Clock  
l = dial illumination  
68 Revolution counter  
h = handbrake telltale  
l = dial illumination  
69 Speedometer  
g = turn indicator telltale (green)  
l = dial illumination  
70 Gauge cluster  
a = battery charge (red)  
b = oil pressure telltale (orange)  
c = fuel gauge  
d = fuel level telltale (white)  
e = high beam telltale (blue)  
f = coolant thermometer  
l = dial illumination  
71 Soldering joint  
72 Automatic selector lever position indicator (automatic transmission only)  
a) selector lever position indicator 1 (green)  
b) selector lever position indicator 2 (green)  
c) selector lever position indicator A (green)  
d) selector lever position indicator 0 (white)  
e) selector lever position indicator R (red)  
f) selector lever position indicator P (white)  
73 Handbrake contact

74 Door-operated switch, RH  
75 Door-operated double switch, LH  
76 Stop light switch  
77 Luggage compartment light  
78 Switch for luggage compartment light  
79 Interior light  
80 Connection for rear loudspeaker  
81 Heated rear window  
82 Fuel gauge transmitter  
83 Rear light cluster, RH  
a = turn indicator b = rear light  
c = stop light d = reversing light  
84 Earth  
85 License plate light, RH  
86 License plate light, LH  
87 Connection for side marker light  
88 Fog warning rear light  
89 Rear light cluster, LH  
a = turn indicator b = rear light  
c = stop light d = reversing light  
90 Plug connector for starting relay (automatic transmission only)  
91 Starting relay (autom. transmission only)  
92 Transmiss. switch (autom. transmiss. only)  
93 Plug connector for transmission switch (automatic transmission only)  
94 Plug connector for automatic selector lever position indicator (automatic transmission only)  
95 Voltage divider for automatic selector lever position indicator (automatic transmission only)  
96 Connection for electric sliding roof (optional extro)  
97 Connection for motor-driven radio aerial (optional extro)  
98 Connection for trailer turn indicators (optional extro)  
99 Connection for fog lamps (optional extro)  
100 Connection for electric fuel pump (optional extro)  
101 Window lift motor, RH front (opt. extro)  
102 Tag terminal (optional extro)  
103 Plug connector  
104 Switch 3 for window lift motor (OE)  
105 Switch 6 for window lift motor (OE)  
106 Tag terminal  
107 Window lift motor, RH rear

108 Switch 4 for window lift motor  
109 Switch 1 for window lift motor (OE)  
110 Window lift motor, LH front (OE)  
111 Tag terminal (OE)  
112 Plug connector  
113 Switch 5 for window lift motor  
114 Switch 2 for window lift motor  
115 Tag terminal  
116 Window lift motor, LH rear  
117 Plug connector for speed relay  
118 Speed relay I  
119 Speed relay II  
120 Solenoid valve II  
121 Solenoid valve I  
122 Warning buzzer contact  
123 Warning buzzer  
124 Connector for warning buzzer  
125 Connector for warning buzzer  
126 Side marker light RH  
127 Connection for RH side marker light  
128 Side marker light LH  
129 Connection for LH side marker light

**Cable coding:**  
BL = blue BR = brown GE = yellow  
GR = grey GN = green RT = red  
SW = black VI = violet WS = white  
Firing order: 1-5-3-6-2-4

Cross section mm²

Basic colour

Code spiral

Cable No.

Terminal code No.

85

—1.5 RT—GE 159

Terminal tag (cable end tinned)

Screw terminal (cable shoe)

Circular plug-in sleeve

Circular plug-in sleeve

Flat plug-in sleeve

Plug

Flat