

**MERCEDES-BENZ**



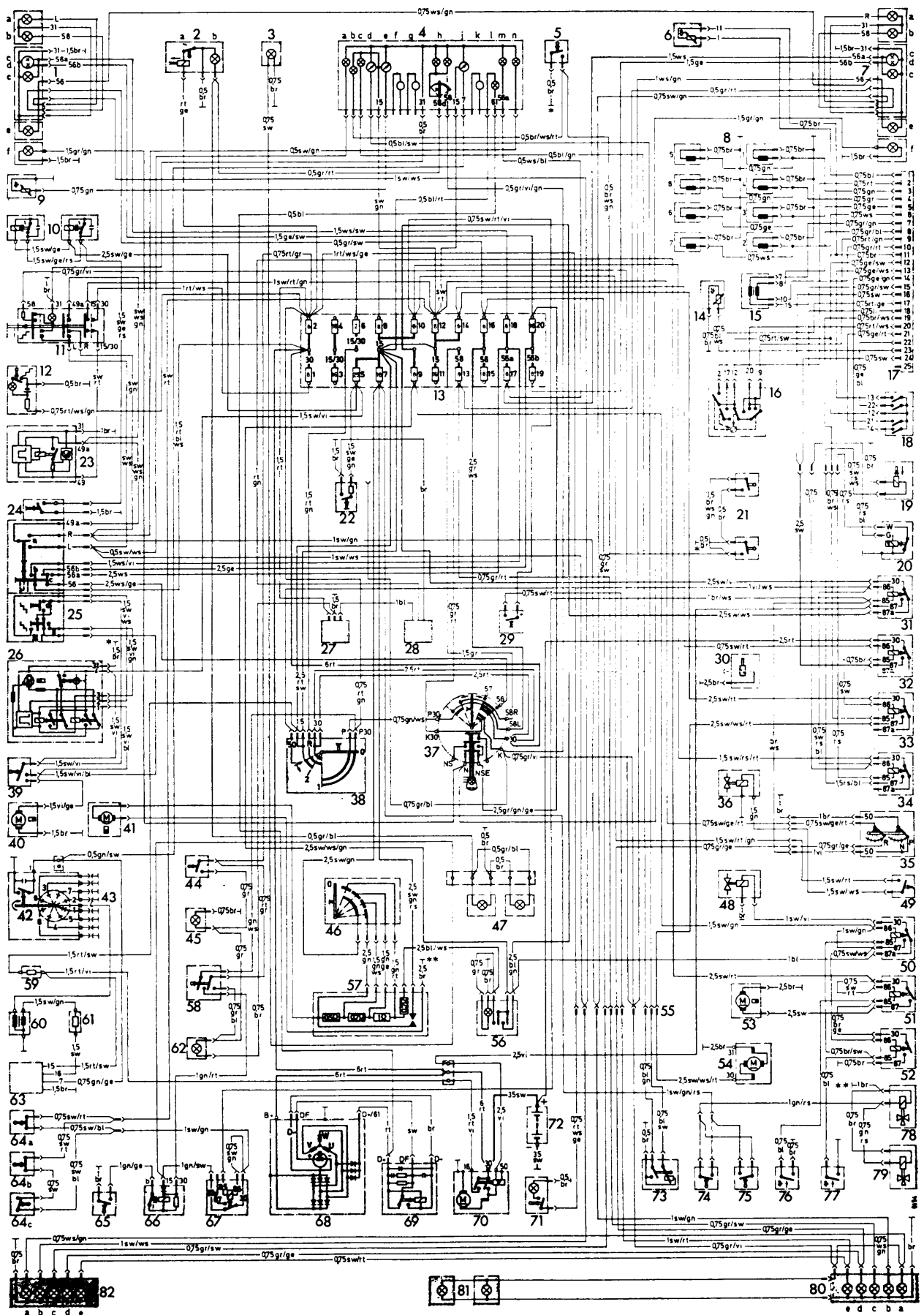
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**Electric wiring diagram**

**Chassis type 107.044**

**350 SL**

Electric wiring diagram



**Explanation of wiring diagram (with "Automatic Transmission" and "Air Conditioner")**

- |    |   |     |  |    |   |
|----|---|-----|--|----|---|
| 1  | Light assembly, left  | 21  | Warning light switch, brake fluid level                | 52 | Relay 2 emission control                                      |
| a  | Turn signal   | 22  | Cigar lighter  | 53 | Electrically operated fan                                     |
| b  | Parking light/side light                                      | 23  | Turn signal and hazard warning flasher relay           | 54 | Fuel pump   |
| c  | High beam   | 24  | Horn contact   | 55 | Plug connection for all light wiring harness                  |
| d  | Low beam  | 25  | Combination switch                                     | 56 | Temperature control, air conditioner                          |
| e  | Side marker light   | a   | Turn signal switch                                     | 57 | Blower motor series resistor (heater)                         |
| f  | Fog light   | b   | Headlight flasher switch                               | 58 | Door contact switch, left                                     |
| 2  | Electric clock  | c   | Hand-operated dimmer switch                            | 59 | Series resistor 0.4 Ω   |
| a  | Operation   | d   | Windshield wiper switch                                | 60 | Ignition coil   |
| b  | Lighting  | e   | Switch, windshield wiper speed                         | 61 | Series resistor 0.6 Ω   |
| 3  | Warning light for safety belt warning system                  | I   | Low speed  | 62 | Entrance light, left  |
| 4  | Instrument cluster  | II  | High speed   | 63 | Transistorized ignition switch unit                           |
| a  | Turn signal indicator, left                                   | III | Intermittent wiping                                    | 64 | Control switches for safety belt warning system               |
| b  | Brake fluid level/ parking brake warning light                | 26  | Windshield wiper motor                                 | a  | switch in driver's seat belt reel                             |
| c  | Fuel reserve warning light                                    | 27  | Lead for automatic aerial                              | b  | switch in front passenger seat reel                           |
| d  | Fuel gauge  | 28  | Lead for radio   | c  | switch in front passenger seat                                |
| e  | Temperature gauge   | 29  | Stop light switch                                      | 65 | Buzzer switch   |
| f  | Indicator light, free for optional extra                      | 30  | Electro-magnetic clutch of air conditioning compressor | 66 | Warning buzzer  |
| g  | Indicator light, free for optional extra                      | 31  | Air conditioner / starter relay                        | 67 | Relay for safety belt warning system                          |
| h  | Instrument lighting   | 32  | Master relay of electronic fuel injection assembly     | 68 | 3-phase alternator  |
| i  | Instrument lighting rheostat                                  | 33  | Fuel pump relay  | 69 | Regulator   |
| j  | Tachometer  | 34  | Starter valve relay                                    | 70 | Starter   |
| k  | Indicator light, free for optional extra                      | 35  | Starter lock-out and backup light switch               | 71 | Trunk light   |
| l  | Charging indicator light                                      | 36  | Solenoid valve on automatic transmission               | 72 | Battery   |
| m  | High beam indicator light                                     | 37  | Light switch   | 73 | Fuel gauge sending unit                                       |
| n  | Turn signal indicator, right                                  | 38  | Ignition switch  | 74 | Micro switch, heater control unit                             |
| 5  | Parking brake warning light switch                            | 39  | Windshield washer switch                               | 75 | Micro switch, heater control unit                             |
| 6  | Air temperature sensor  | 40  | Electric pump of windshield washer                     | 76 | Temperature switch 149° F (65° C) dehydrator, air conditioner |
| 7  | Light assembly, right   | 41  | Blower motor   | 77 | Thermostatic switch 212° F (100° C)                           |
| 8  | Fuel injection valves with marks for the associated cylinders | 42  | Ignition distributor                                   | 78 | Three-way valve, heater control unit                          |
| 9  | Temperature gauge sending unit                                | 43  | Spark plugs  | 79 | Three-way valve, heater control unit                          |
| 10 | Two-tone horn   | 44  | Door contact switch, right 2 x                         | 80 | Tail light assembly, R-H side                                 |
| 11 | Hazard warning flasher switch                                 | 45  | Entrance light, right                                  | a  | Side marker light   |
| 12 | Glove compartment light and flashlight                        | 46  | Blower switch  | b  | Turn signal   |
| 13 | Fuse box  | 47  | Lighting, heater control unit                          | c  | Tail light/side light   |
| 14 | Coolant temperature sensor                                    | 48  | Two-way valve, emission control                        | d  | Back-up light   |
| 15 | Pressure sensor, air  | 49  | Kickdown switch  | e  | Stop light  |
| 16 | Throttle valve switch   | 50  | Relay 1 emission control                               | 81 | Licence plate light   |
| 17 | Electronic control unit (multiple connector)                  | 51  | Relay of electrically operated fan                     | 82 | Tail light assembly, L-H side                                 |
| 18 | Impulse trigger (electronic fuel injection), breaker          |     |  |    |   |
| 19 | Starter valve   |     |  |    |   |
| 20 | Thermostatic time switch                                      |     |  |    |   |

**Wire color code**

- ws = white
- gn = green
- br = brown
- ge = yellow
- gr = gray
- rs = pink
- bl = blue
- rt = red
- sw = black
- el = ivory
- nf = neutral
- vi = violet
- li = lilac

**Example:**

wire designation 1,5 gr/rt  
 Basic color gr = gray  
 Identification color rt = red  
 Cross section of wire 1,5 = 1.5 mm<sup>2</sup>

- \* Ground connection on wiper motor
- \*\* Ground connection on blower motor series resistor