

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

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1 Turn indicator RH front with parking light	47 Earth	74 Door-operated switch, RH	108 Switch 4 for window lift motor
2 Earth	48 Glove box illumination	75 Door-operated double switch, LH	109 Switch 1 for window lift motor (OE)
3 Sealed beam headlamp II, RH	49 Switch for glove box illumination	76 Stop light switch	110 Window lift motor, LH front (OE)
4 Sealed beam headlamp I, RH	50 Connection for radio set	77 Luggage compartment light	111 Tag terminal (OE)
5 Horn, RH	51 Hazard warning flasher switch	78 Switch for luggage compartment light	112 Plug connector
6 Horn, LH	52 Switch for heated rear window	79 Interior light	113 Switch 5 for window lift motor
7 Sealed beam headlamp I, LH	53 Wiper speed control switch	80 Connection for rear loudspeaker	114 Switch 2 for window lift motor
8 Sealed beam headlamp II, LH	54 Plug socket with cigar lighter	81 Heated rear window	115 Tag terminal
9 Turn indicator LH front with parking light	55 Selector lever gate illumination	82 Fuel gauge transmitter	116 Window lift motor, LH rear
10 Earth	56 Turn indicator, parking light, wiper and washer switch	83 Rear light cluster, RH	117 Plug connector for speed relay
11 Plug connector for engine compart. light	57 Plug connector for turn indicator switch	a = turn indicator b = rear light	118 Speed relay I
12 Engine compartment light	58 Plug connector for parking light	c = stop light d = reversing light	119 Speed relay II
13 Switch for engine compartment light	59 Plug connector for dip switch	84 Earth	120 Solenoid valve I
14 Soldering joint	60 Dip switch	85 License plate light, RH	121 Solenoid valve I
15 Connection for fog lamp relay	61 Horn pushes	86 License plate light, LH	122 Warning buzzer contact
16 High beam relay	62 Ignition/starter switch	87 Connection for side marker light	123 Warning buzzer
17 Battery 12 V	I = Halt, II = 0, III = Drive, IV = Start	88 Fog warning rear light	124 Connector for warning buzzer
18 Horn relay	63 Main light switch	89 Rear light cluster, LH	125 Connector for warning buzzer
19 Voltage regulator	64 Switch for fog warning rear light a, fog lamps	a = turn indicator b = rear light	126 Side marker light RH
20 Alternator	65 Connection for lighting (58 K)	c = stop light d = reversing light	127 Connection for RH side marker light
21 Ignition distributor	66 Plug connector for gauge cluster	90 Plug connector for starting relay	128 Side marker light LH
22 Primary resistor	67 Clock	(automatic transmission only)	129 Connection for LH side marker light
23 Ignition coil	I = dial illumination	91 Starting relay (autom. transmission only)	
24 Connection for program tester with cable and transmitter	68 Revolution counter	92 Transmiss. switch (autom. transmiss. only)	
25 Automatic choke, front	h = handbrake telltale	93 Plug connector for transmission switch	
26 Automatic choke, rear	I = dial illumination	(automatic transmission only)	
27 Starter	69 Speedometer	94 Plug connector for automatic selector lever position indicator	
28 Temperature transmitter	g = turn indicator telltale (green)	(automatic transmission only)	
29 Plug connector for automatic choke	I = dial illumination	95 Voltage divider for automatic selector lever position indicator	
30 Oil pressure switch	70 Gauge cluster	(automatic transmission only)	
31 Connection for program tester	a = battery charge (red)	96 Connection for electric sliding roof (optional extra)	
32 Brake fluid level control switch	b = oil pressure telltale (orange)	(optional extra)	
33 Reversing light switch (manual gearshift only)	c = fuel gauge	97 Connection for motor-driven radio aerial (optional extra)	
34 Plug connector for reversing light switch	d = fuel level telltale (white)	(optional extra)	
35 Screenwiper motor	e = high beam telltale (blue)	98 Connection for trailer turn indicators (optional extra)	
36 Fuse box	f = coolant thermometer	99 Connection for fog lamps (optional extra)	
37 Plug connector I	I = dial illumination	100 Connection for electric fuel pump (optional extra)	
38 Load-shedding relay	71 Soldering joint	(optional extra)	
39 Earth	72 Automatic selector lever position indicator (automatic transmission only)	101 Window lift motor, RH front (opt. extra)	
40 Plug connector II	a) selector lever position indicator 1 (green)	102 Tag terminal (optional extra)	
41 Wipe-and-wash interval control unit	b) selector lever position indicator 2 (green)	103 Plug connector	
42 Hazard warning flasher transmitter	c) selector lever position indicator A (green)	104 Switch 3 for window lift motor (OE)	
43 Screenwasher pump	d) selector lever position indicator 0 (white)	105 Switch 6 for window lift motor (OE)	
44 Heater blower motor	e) selector lever position indicator R (red)	106 Tag terminal	
45 Plug connector for heater blower motor	f) selector lever position indicator P (white)	107 Window lift motor, RH rear	
46 Heater controls	73 Handbrake contact		

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 spiral

Terminal code No.

85

-1.5 RT—GE 159

Terminal tag (cable end tinned)

Screw terminal (cable shoe)

Circular plug-in sleeve

Flat plug-in sleeve

Plug

61 11 001 Front cable harness — replacing

Remove the battery.

Take off the air cleaner housing (13 71 000).

Detach the sealing and sound deadening material from the heater bulkhead.

Detach the coolant reservoir from both its mountings. Detach the bracket holding the brake unit and, if installed, the power steering oil tank from the wheel box.

Remove both front side grills.

Remove lower center left instrument panel trim (51 45 190).

Detach fuse box and remove plug board from engine bulkhead.

Detach cable harness at all connections and remove from vehicle.

When installing: Check function of electrical system.

On Coupé:

Remove the battery.

Take off the air cleaner body (13 71 000).

Detach the coolant reservoir from both its mountings. Detach the bracket holding the brake unit and the power steering oil tank from the bulkhead. Remove both headlight casing covers and both horns.

Remove both front side grills and both front turn indicators. Detach the steering wheel (32 33 000).

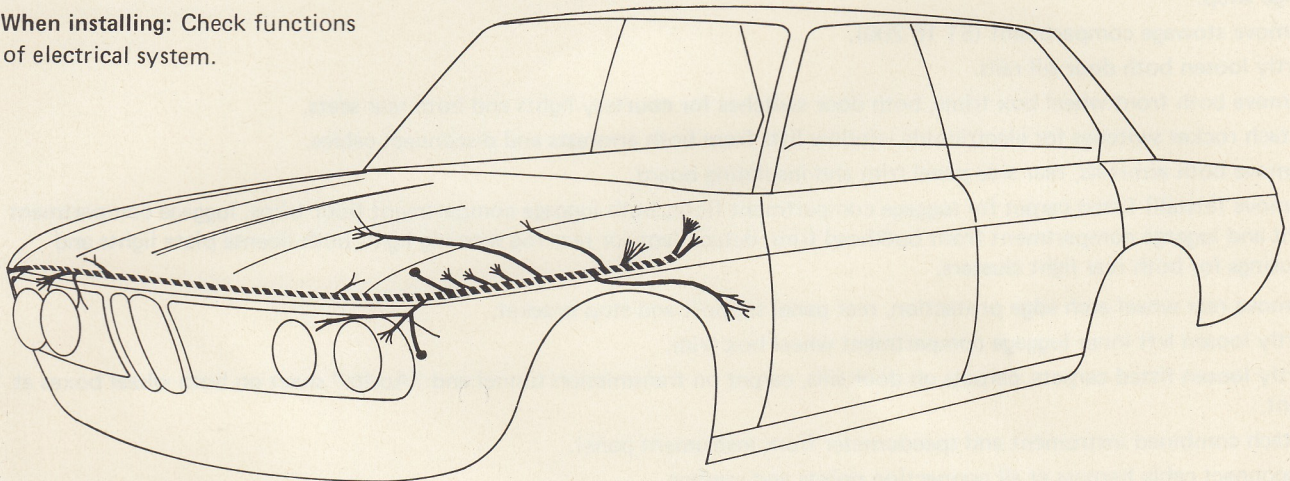
Remove the lower left center instrument panel trim (51 45 190).

Remove the glove box complete with hinge strap and detach the fuse box.

Separate the speedometer drive shaft from the speedometer. Detach the combined instrument and the speedometer from the instrument panel.

Detach the cable harness at all connection points and remove from the vehicle.

When installing: Check functions of electrical system.



61 11 011 Rear cable harness — replacing

Detach the negative lead from the battery. Remove the steering wheel (32 33 000).

Remove the lower left center instrument panel trim (51 45 190).

Remove the left glove box complete with hinge strap.

Loosen the front lid control pivot mounting.

Remove the lower center right instrument panel trim (51 45 200).

Remove the instrument panel (62 21 000).

Remove the fuse box and the main light switch.

Remove the wiper switch.

Remove the fitted carpet for the luggage compartment, the rear panel trim and the two luggage compartment floor trims. Remove both license plate lights, detach both rear light cluster cover plates, remove the rear left wheel arch edge protection and partly loosen the left wheel arch trim in the luggage compartment. Remove the rear seat and seat back. Remove both door operated courtesy light switches, partly loosen the left fitted carpet.

Disconnect the cable harness at all connection points and remove.

Detach the cables to the handbrake light contact, reversing light switch and interior light from the main cable run, install plug-in terminals and re-connect.

When installing: Check function of electrical system.

On Coupé:

Detach negative cable from battery and remove steering wheel (32 33 000).

Remove lower center left instrument panel trim (51 45 190).

Remove left glove box complete with hinge strap.

Loosen front lid control pivot mounting and remove main light switch, glove box light and right glove box complete with hinge strap.

Remove stowage compartment (51 16 200).

Partly loosen both door sill rails.

Remove both front wheel box trims, both door switches for courtesy lights and both rear seats.

Detach rocker switches for electric side window lifts from both armrests and disconnect cables.

Remove both armrests, rear side panel trim and insulating board.

Remove (install) fitted carpet for luggage compartment floor, both luggage compartment floor trims, luggage compartment light and luggage compartment front bulkhead trim, detach lens for rear fog warning light, both license plate lights and housings for both rear light clusters.

Remove rear wheel arch edge protection, rear panel support and stop bracket.

Partly loosen left inner luggage compartment wheel box trim.

Partly loosen fitted carpets, carpets on door sills, carpet on transmission tunnel and "Acella" sheet on both wheel boxes at front.

Detach combined instrument and speedometer from instrument panel.

Disconnect cable harness at all connection points and remove.

Separate the cables for the heated rear window and interior roof light at the main harness, install plug-in connectors and re-connect.

When installing: Check function of electrical system.

