

DIMMED LOW BEAMS ("DIM-DIP" DEVICE)

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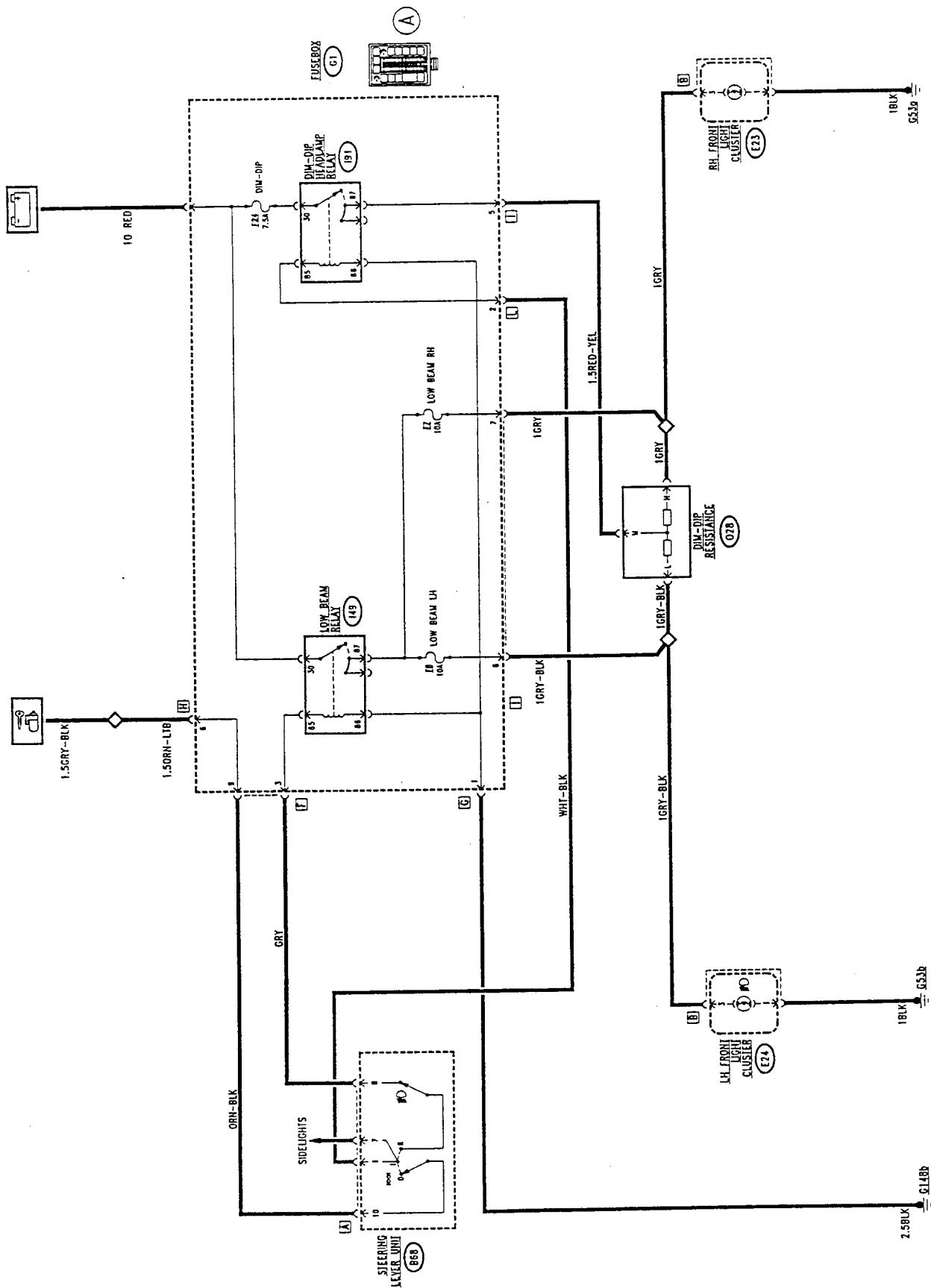
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N.B.: for certain Markets only

WIRING DIAGRAM



GENERAL DESCRIPTION

Certain versions, of the car, specific for some Markets, are fitted with the "DIM-DIP" device.

In compliance with the laws of certain countries, this device enables two different levels of luminosity of the low beam headlamps: the first level (dimmed light) is turned on together with the sidelights, the second level (maximum luminosity) are the true and proper low beam lamps.

The device comprises a relay which supplies the lamps through a resistance when the sidelights are on, consequently reducing the intensity of the bulbs:

The normal circuit for the low beams by-passes this device and operates normally, as in the other versions (see the section "Low beam and high beam headlamps").

A special fuse protects the supply line for the "DIM-DIP" device.

FUNCTIONAL DESCRIPTION

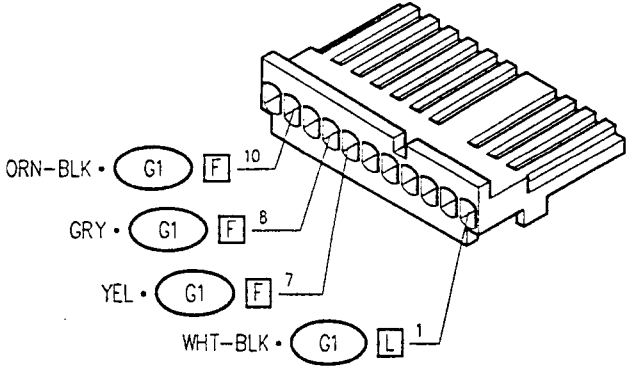
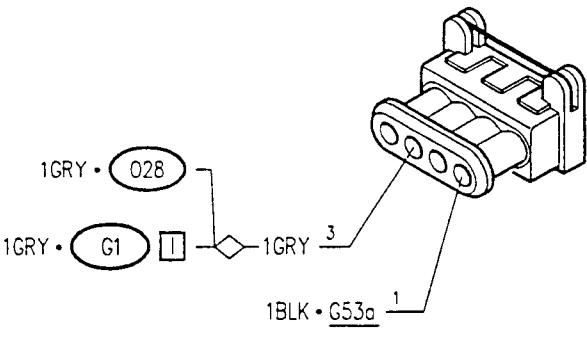
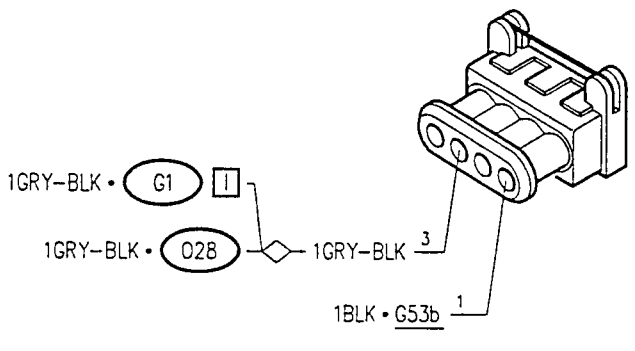
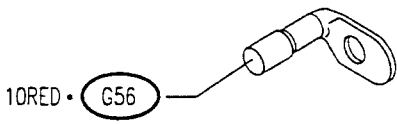
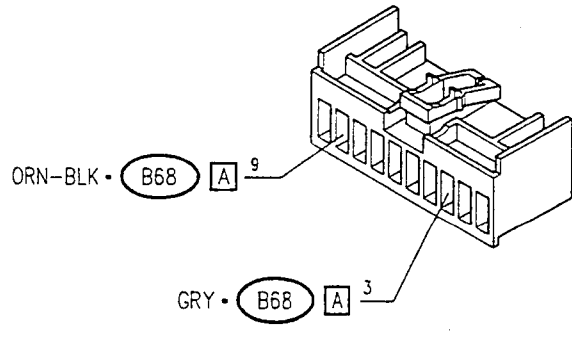
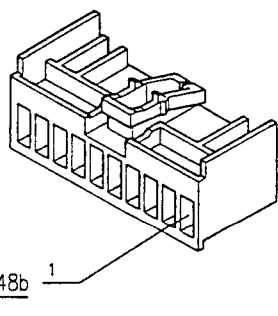
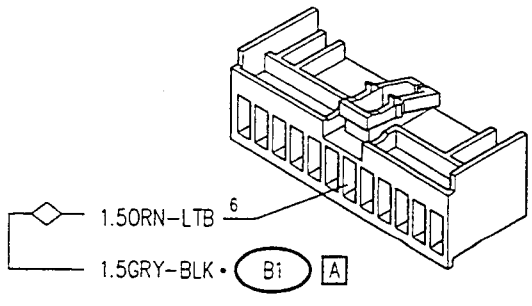
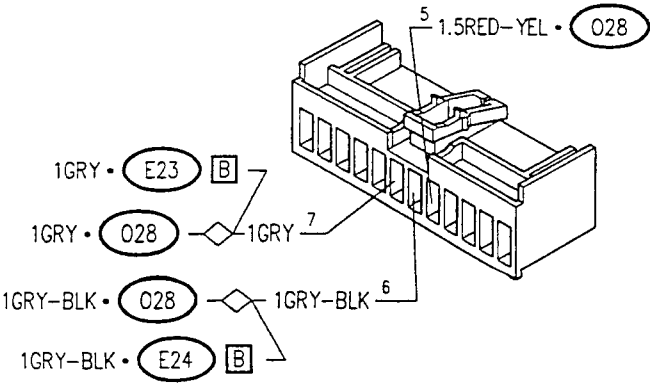
The circuit of the "DIM-DIP" device is regulated by the special "DIM-DIP" relay **I91**, located in the fusebox **G1**.

The relay is supplied by battery voltage through fuse **F24** which protects the whole line.

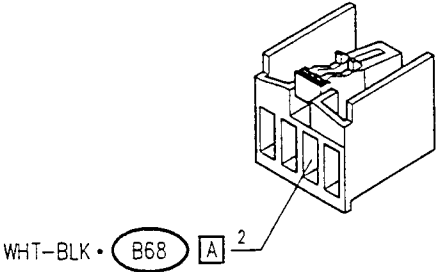
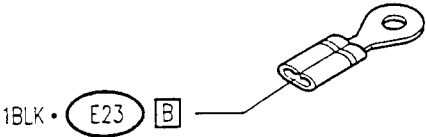
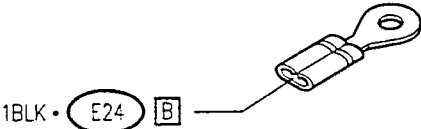
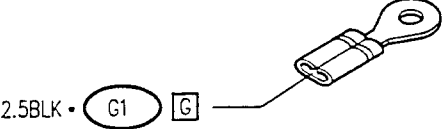
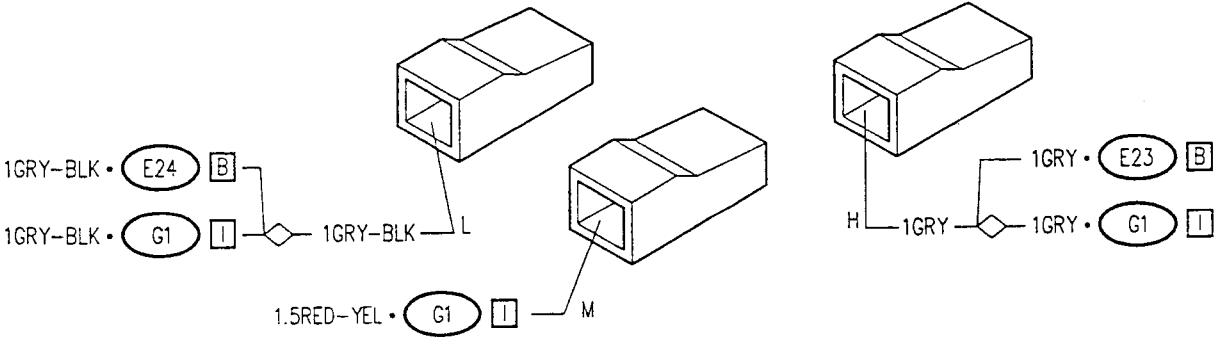
Moving the switch of the lever unit **B68** to position I \Rightarrow sidelights - the coil of relay **I91** is supplied which is thus energized: this way, in addition to the sidelights also the line for the low beam headlamps **E24** (left) and **E24** (right) is supplied through the additional "DIM-DIP" resistance **O28**: this way the brightness of the lamps is dimmed.

Moving the switch of the lever unit **B68** to position II \Rightarrow - low beams - the coil of relay **I49** of fusebox **G1** is supplied, sending the supply directly to the headlamps **E24** and **E23**, by-passing resistance **O28**, thereby obtaining the complete brightness of the headlamps (see the section "High beam and low beam headlamps").

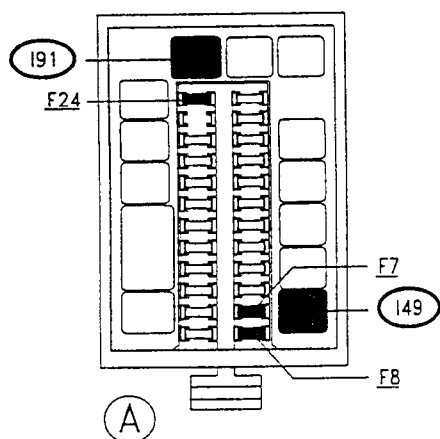
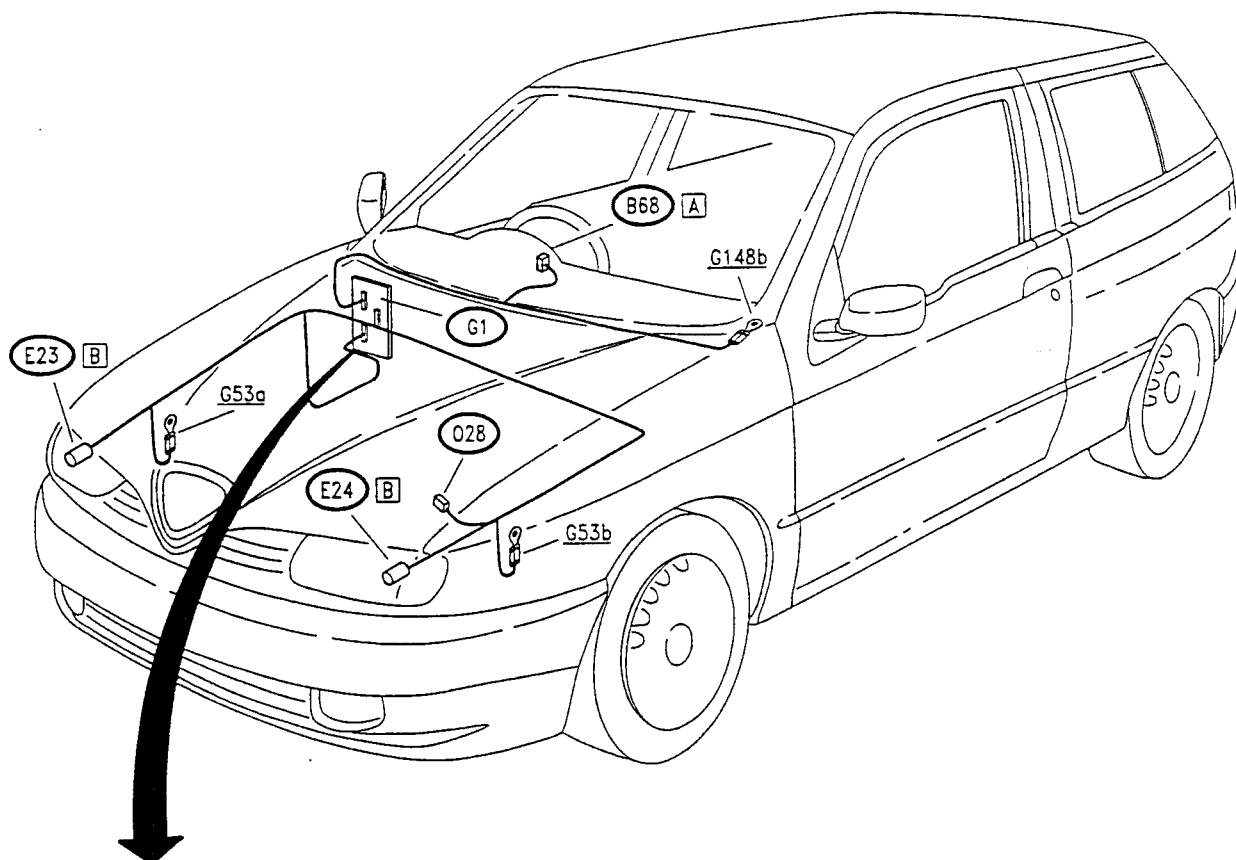
COMPONENTS AND CONNECTORS

Lever unit	B68 A	RH front light cluster	E23 B
 <p>ORN-BLK • G1 F 10 GRY • G1 F 8 YEL • G1 F 7 WHT-BLK • G1 L 1</p>	 <p>1GRY • 028 1GRY • G1 I 1GRY 3 1BLK • G53c 1</p>		
LH front light cluster	E24 B	Fusebox	G1
 <p>1GRY-BLK • G1 I 1GRY-BLK • 028 1GRY-BLK 3 1BLK • G53b 1</p>	 <p>10RED • G56</p>		
Fusebox	G1 F	Fusebox	G1 G
 <p>ORN-BLK • B68 A 9 GRY • B68 A 3</p>	 <p>2.5BLK • G148b 1</p>		
Fusebox	G1 H	Fusebox	G1 I
 <p>1.5ORN-LTB 6 1.5GRY-BLK • B1 A</p>	 <p>1.5RED-YEL • 028 5 1GRY • E23 B 1GRY • 028 1GRY 7 1GRY-BLK • 028 1GRY-BLK 6 1GRY-BLK • E24 B</p>		

COMPONENTS AND CONNECTORS (cont.d)

Fusebox	G1 L	RH engine compartment earth	G53a
			
LH engine compartment earth	G53b	Earth under LH dashboard	G148b
			
DIM-DIP resistance			O28
			

LOCATION OF COMPONENTS

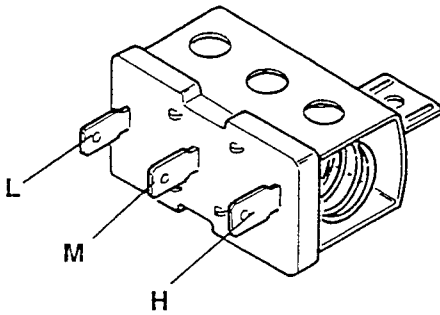


FAULT-FINDING TABLE

Fault	Component to be checked								
	F7	F8	F24	(E23)	(E24)	(O28)	(I91)	(I49)	(B68)
Both low beam lamps, in any case									•
Both low beam lamps dimmed			•			•	•		
Both low beam lamps, with full brightness								•	
RH low beam lamp, with full brightness	•			•					
LH low beam lamp, dimmed				•					
LH low beam lamp, with full brightness		•			•				
LH low beam lamp, dimmed					•				

CHECKING COMPONENTS

Additional "DIM-DIP" resistance (O28)



SPECIFICATIONS	
Resistance between terminals L-M or M-H	$1.7 \pm 0.1 \Omega$
Resistance between terminals L-H	$3.4 \pm 0.1 \Omega$

