

COURTESY LIGHTS (up to M.Y. '98) (*)

INDIX

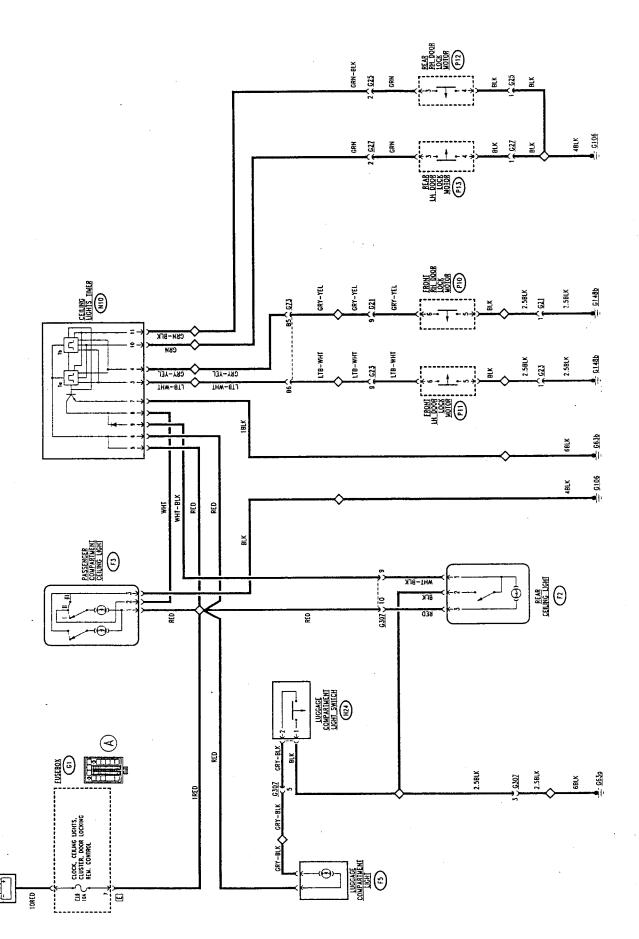
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(*) M.Y. '99 see Section 11A



WIRING DIAGRAM

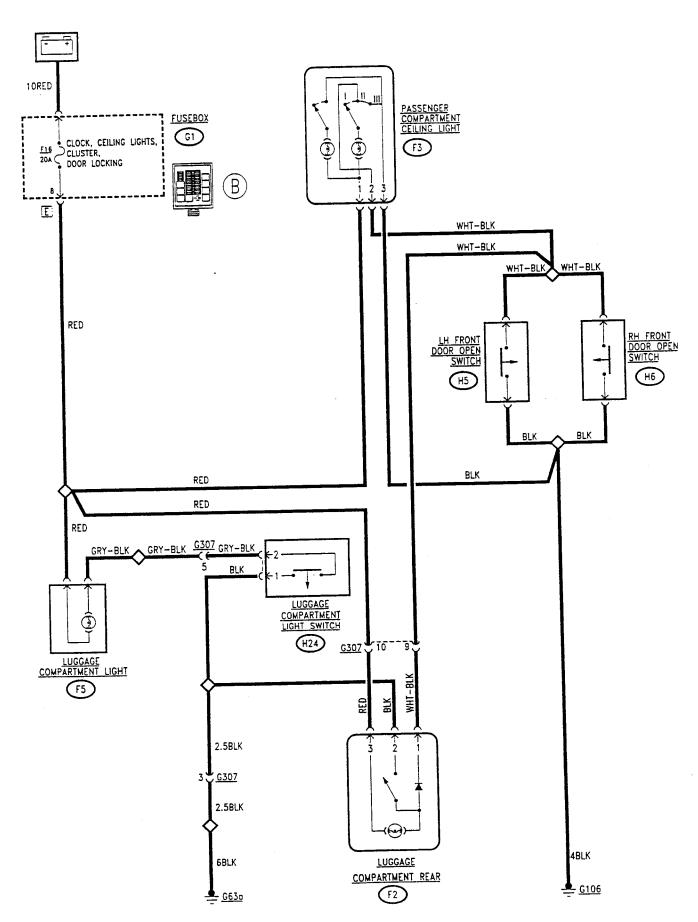






WIRING DIAGRAM

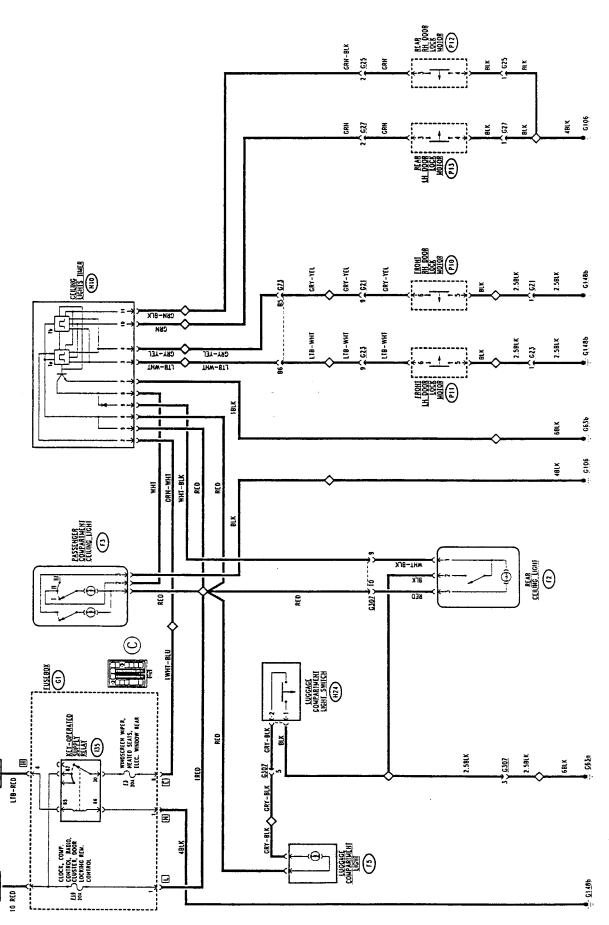






WIRING DIAGRAM







GENERAL DESCRIPTION

The numerous light sources provided ensure good lighting inside the passenger compartment and/or of some specific points under all conditions.

The front courtesy light **F3** and the rear courtesy light **F2** are turned on automatically when the doors are opened, in different ways depending on the versions:

- "top" versions (with fusebox "A" or "C"): the two courtesy lights are "timed": they both turn on when one of the four doors is opened for 100 ÷ 200 seconds; they stay on for appr. another 15 seconds from when the door is closed.

From chassis no.__ the roof lamp will also be turned off when the ignition key is turned to MAR.

- "low" versions (with fusebox "B"):

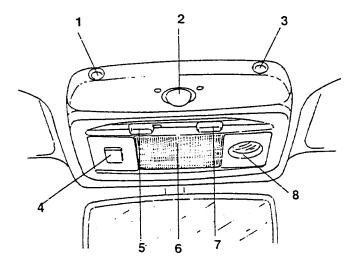
the two courtesy lights both turn on when one of the front doors is opened; and they turn off when they are closed.

N.B. the rear doors do NOT turn on the courtesy lights.

Of course, both lights may be turned on manually, with the switch to be found on them.

On the front courtesy light **F3** there is also a lamp which makes for instance reading possible without disturbing the driver.

NOTE: This light is different for the versions with sunroof and with antitheft system. Nothing changes however with regard to the operation described here.



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- 1 anti-theft volumetric sensor (See "Anti-theft")
- 2 anti-theft I.R. receiver (See "Anti-theft")
- 3 anti-theft volumetric sensor (See "Anti-theft")
- 4 sunroof control switch (See "Sunroof")
- 5 courtesy light switch
- 6 courtesy light
- 7 reading light switch
- 8 reading light

A special lamp F5 illuminates the luggage compartment, which is turned on when the tailgate is opened.

FUNCTIONAL DESCRIPTION

The courtesy light F3 receives the supply directly from the battery through fuse F16 of fusebox G1: this makes it possible to operate the reading light or the courtesy light from the corresponding switch.

The switch has three positions:

- I courtesy light always off
- II courtesy light controlled by the opening/closing of the doors
- III courtesy light turned on manually

Also light **F2** is supplied by the same line, and it is fitted with a switch for manual use.

"Top" versions:

The roof lamp timer N10 - under the rear seat - is also supplied by the line of fuse F16 from chassis no. __ it also receives the "key-operated" supply (this makes it possible to cut off timing when the key is at MAR), from fuse F3 of box G1 "C". It receives a door opening signal (earth) from one of the four switches in the door locking devices P10, P11, P12 or P13; the timed control signal is thus sent to the two roof lamps F3 and F2.

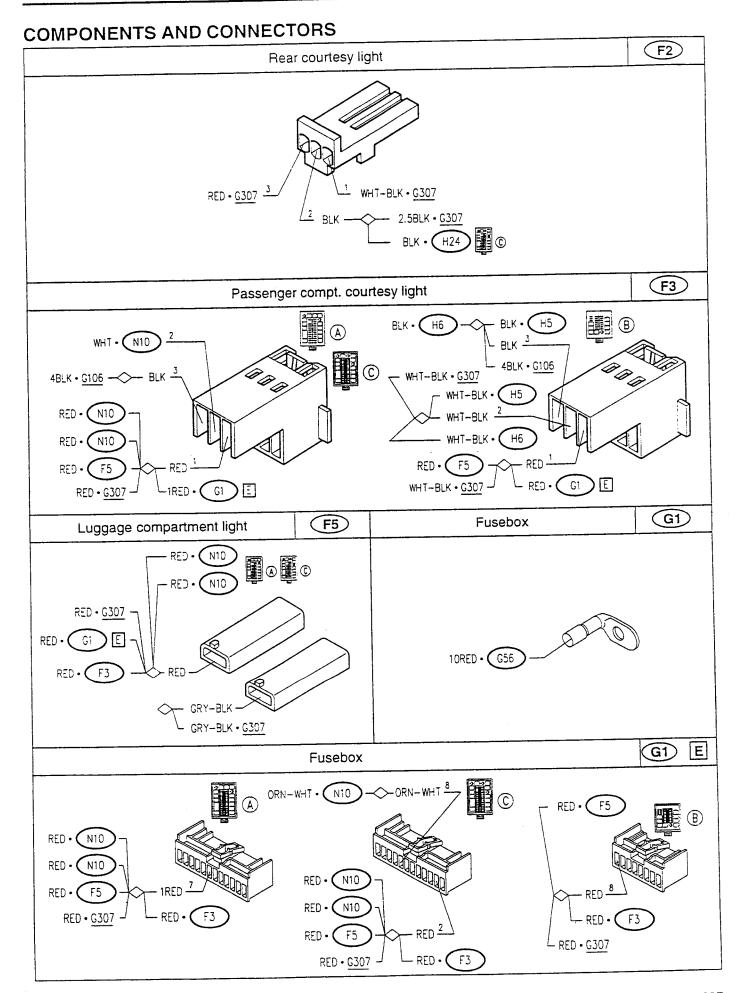
"Low" versions:

The courtesy lights are turned on automatically when the doors are opened, as a special switch (H6 for the RH door and H5 for the LH door) sends an earth signal to the courtesy lights F3 and F2.

Also the luggage compartment light F5 is supplied with battery voltage via the line protected by fuse F16; it is turned on when the boot is opened and switch H24 sends an earth signal.

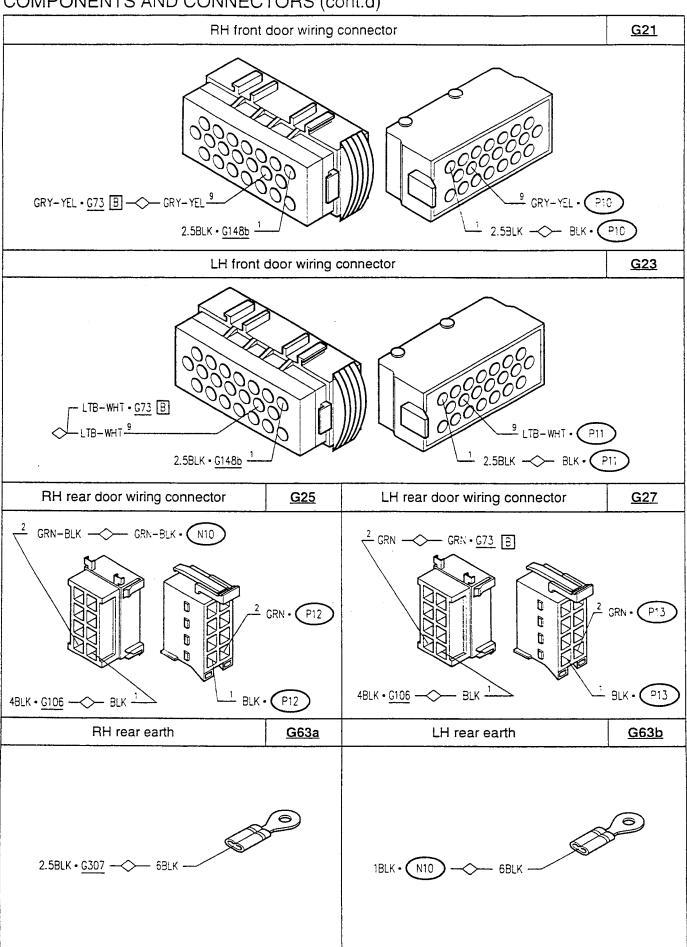


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Courtesy lights 55-11

COMPONENTS AND CONNECTORS (cont.d)

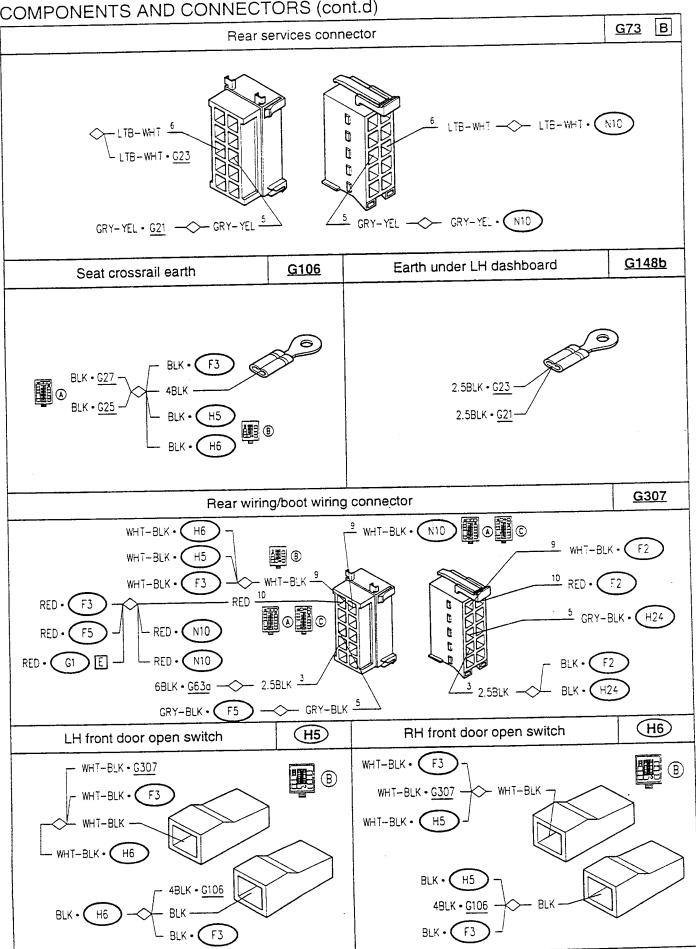


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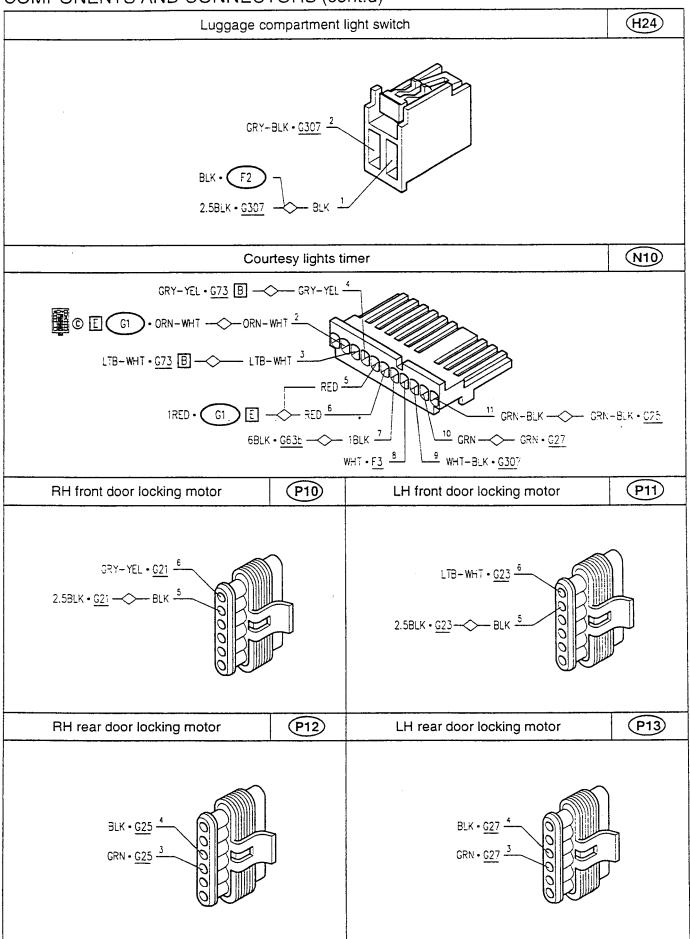
ELECTRONIC SYSTEM DIAGNOSIS 55-11

COMPONENTS AND CONNECTORS (cont.d)



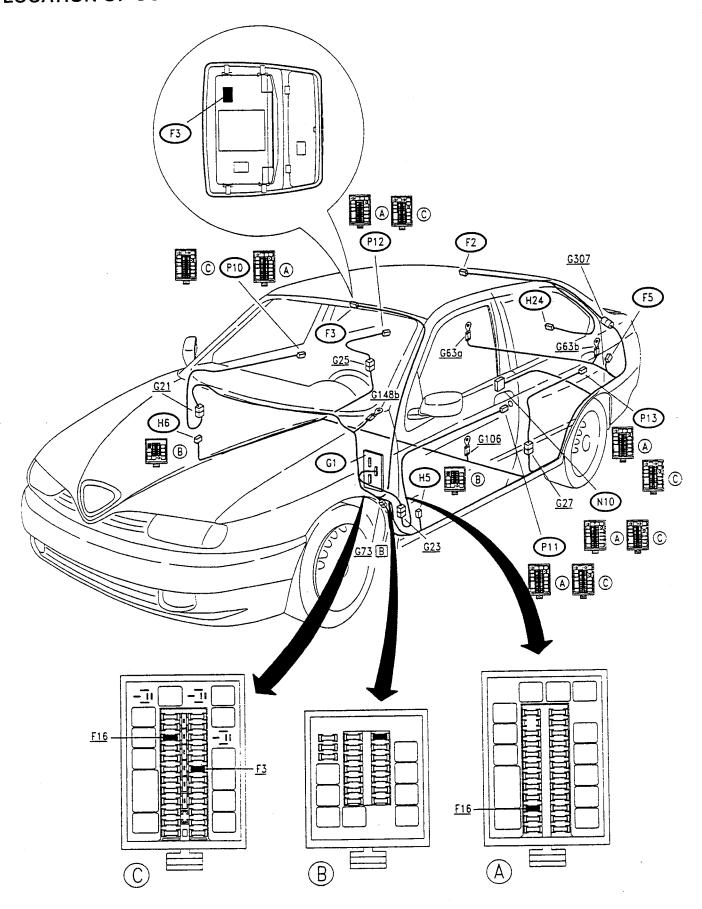


COMPONENTS AND CONNECTORS (cont.d)





LOCATION OF COMPONENTS





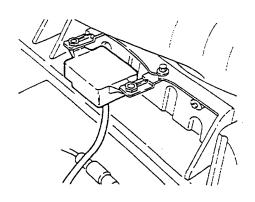
FAULT-FINDING TABLE

	Component to be checked											
Fault		F3	F2)	F5	(15)B)	H6 B)	(N10) (A)	(P10) (A)	(A)	(A)	(P13)	(H24)
All the courtesy lights	•											
Front courtesy light, under all circumstances		•										
Rear courtesy light, under all circumstances			•									
The two lights fail to turn on opening the RH front door						•	•	•				
The two lights fail to turn on opening the LH front door					•		•		•			
The two lights fail to turn on opening the RH rear door (1)							•			•		
The two lights fail to turn on opening the LH rear door (1)							•				•	
Luggage compartment light				•								•

- (1) N.B. opening the rear doors, in the versions with fusebox "B", the two courtesy lights do NOT turn on
- (A) Only fusebox "A"
- (B) Only fusebox "B"

CHECKING COMPONENTS

Courtesy light timer N10



SPECIFICATIONS				
Door opening timer (Ta)	100 ÷ 200 sec.			
Door closing timer (Tb)	15 ± 5 sec			

Check the device : see TEST A



CHECK COURTESY LIGHT TIMER N10 TEST A

N.B.; only for versions with fusebox "A"

	TEST PROCEDURE	RESULT	CORRECTIVE ACTION				
A1	CHECK VOLTAGE	(OK) ▶	Carry out step A2				
- Disconnect device N10 and check the connector for 12 V at pins 5 and 6 .			Check fuse F16 of G1. If necessary				
A2	CHECK EARTH	(OK) ▶	Carry out step A3				
- Che	eck for pin 7 of N10 is an earth	○	Restore the wiring between N10 and earth G63b				
А3	CHECK EARTH SIGNAL	(OK) ▶	Insert device N10 on the connector, then carry out step				
at t LH RH LH	 Open each of the four doors and check for an earth at the respective pins on N10: LH front door: pin 3 RH front door: pin 4 LH rear door: pin 10 RG rear door: pin 11 		Restore the wiring between N10 and respectively P11 P10, P13 and P12				
A4	CHECK EARTH SIGNAL	(ок) ►	Restore the wiring between N10 and courtesy lights F3				
	 Open one of the doors and check for 100 ÷ 200 sec. for an earth leaving pins 8 and 9 of N10; when the 		and F2				
1	r is closed again the earth remains for appr. 15	ØK ►	CHANGE DEVICE N10				