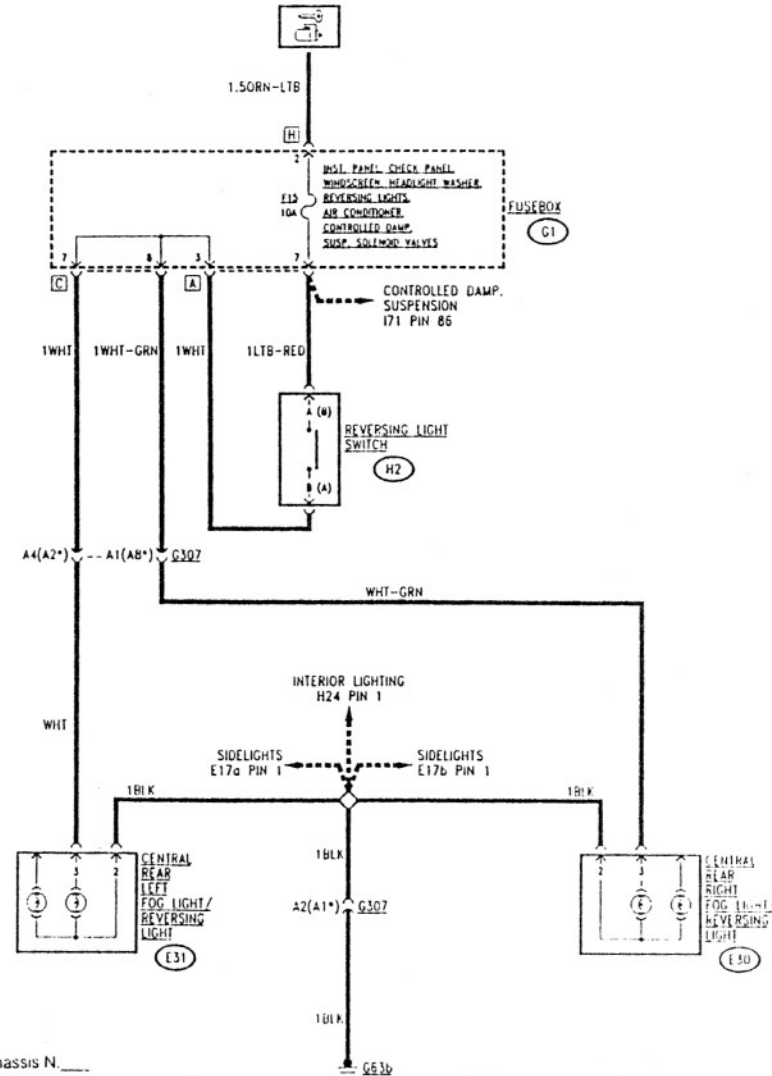


REVERSING LIGHTS

INDEX

- WIRING DIAGRAM 10-2
- GENERAL DESCRIPTION 10-3
- FUNCTIONAL DESCRIPTION 10-3
- TROUBLESHOOTING TABLE 10-3
- COMPONENTS AND CONNECTORS 10-3
- LOCATION OF COMPONENTS 10-5
- TROUBLESHOOTING 10-6

WIRING DIAGRAM



(*) from chassis N.

GENERAL DESCRIPTION

The vehicle is equipped with reversing lights located in the central part of the rear light assembly. When reverse gear is selected, the reversing lights are automatically engaged by way of a switch located on the gearbox.

The circuit is protected by a fuse.

The reversing lights are operated when the ignition key is inserted and are independent from the other lights on the vehicle.

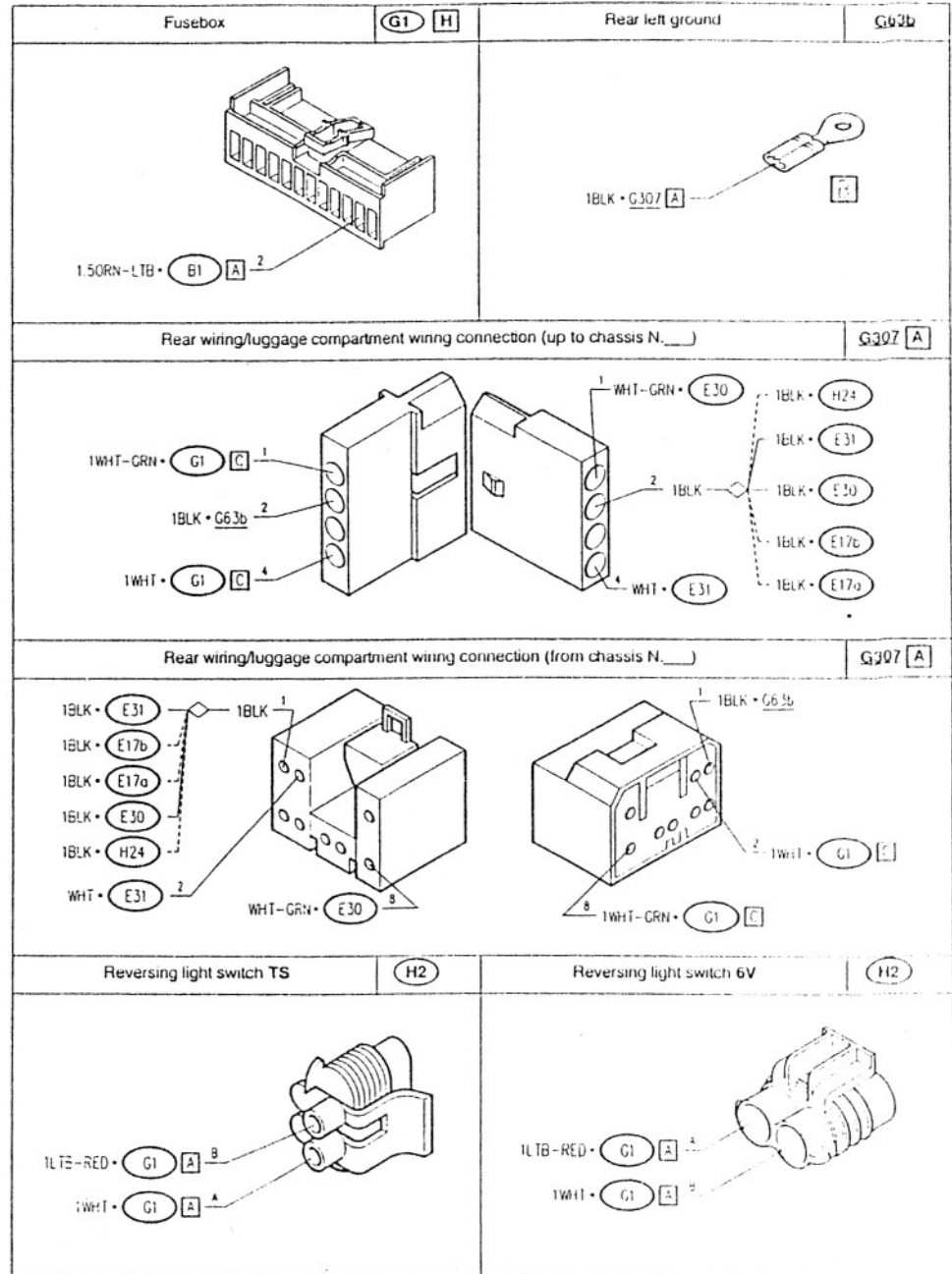
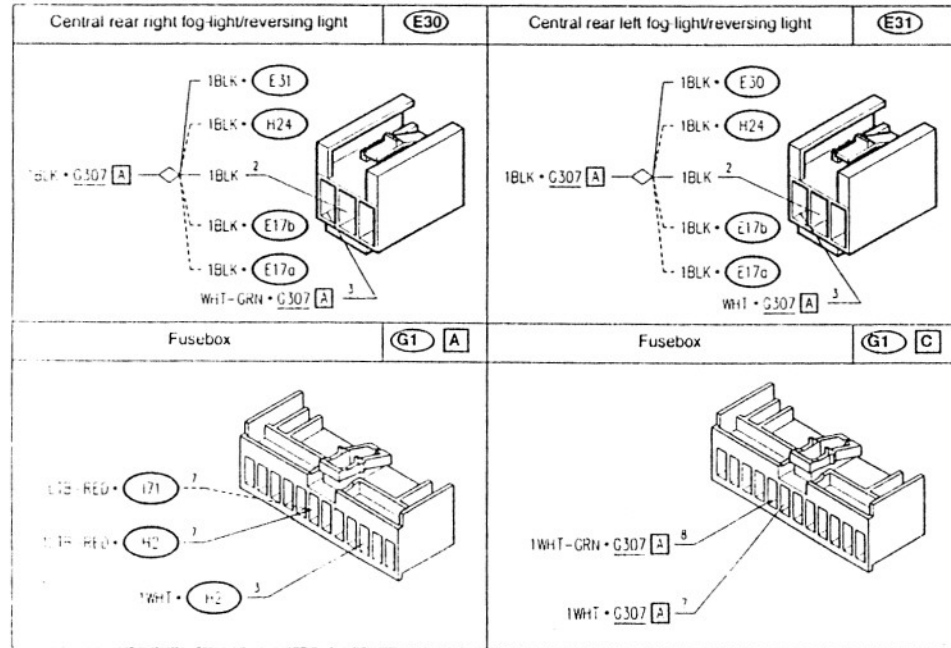
FUNCTIONAL DESCRIPTION

The circuit of the reversing lights is under key operated supply and is routed through fuse F15 (10A) in fusebox G1. When reverse gear is engaged, switch H2 supplies the right (E30) and left (E31) reversing lights.

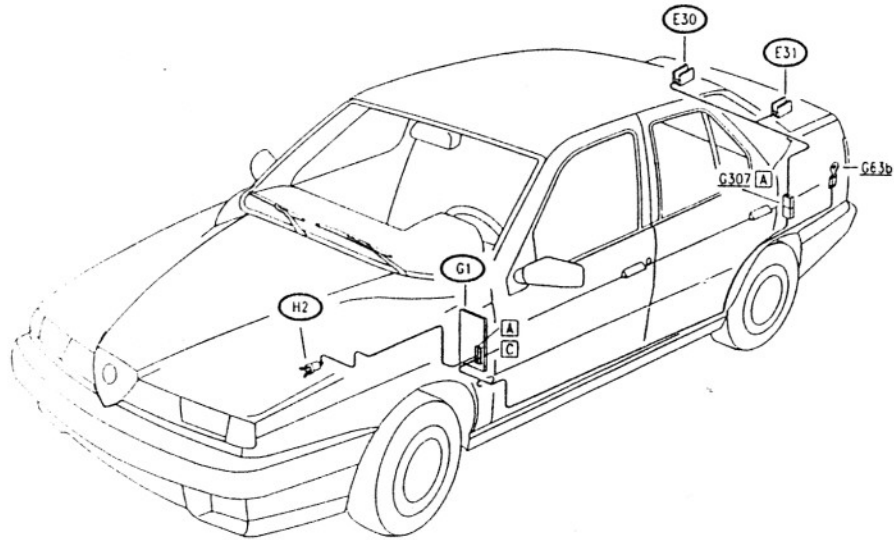
TROUBLESHOOTING TABLE

Malfunction	Component				Test
	F15	H2	E30	E31	
Both reversing lights	•	•			A
RH reversing light			•		B
LH reversing light				•	C

COMPONENTS AND CONNECTORS



LOCATION OF COMPONENTS



TROUBLESHOOTING

NEITHER OF REVERSING LIGHTS WORKING TEST A

TEST PROCEDURE	RESULT	CORRECTIVE ACTION
A1 CHECK FUSE - Check for damage of fuse F15 in fusebox G1	(OK) ► (OK) ►	Carry out step A2 Replace fuse (10A)
A2 CHECK VOLTAGE - Rotate the ignition key and verify 12V at pin A reversing lights switch H2	(OK) ► (OK) ►	Carry out step A3 Restore wiring between pin A7 of G1 and pin A of switch H2 (LTB-RED)
A3 CHECK SWITCH - Check for correct functioning of switch H2: • with ignition key rotated and reverse gear engaged, check continuity between pin A and B of H2	(OK) ► (OK) ►	Carry out step A4 Replace switch H2
A4 CHECK VOLTAGE - With ignition key rotated and reverse gear engaged, verify 12V at pin A3 of G1	(OK) ► (OK) ►	Carry out step A5 Restore wiring between pin A3 of G1 and pin B of H2 (WHT)
A5 CHECK GROUND - Verify 0V at pin A2 of connector G307	(OK) ► (OK) ►	Carry out tests B and C Restore wiring between pin A2(A1*) of G307 and ground G63b (BLK)

(*) from chassis N.____

RIGHT-HAND REVERSING LIGHT NOT WORKING	TEST B
---	---------------

TEST PROCEDURE	RESULT	CORRECTIVE ACTION
B1 CHECK VOLTAGE - With reverse gear engaged, verify 12V between pin 2 and 3 of the rear central light assembly E30	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Carry out step B2 Carry out step B3
B2 CHECK BULB - Check for damage of the reversing light bulb in light assembly E30 (inner bulb, with white transparency)	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Check and if necessary replace the complete light assembly E30 Replace the bulb
B3 CHECK VOLTAGE - With reverse gear engaged, verify 12V at pin 3 of E30	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Restore wiring between pin 2 of E30 and pin A2(A1*) of connector G307, across the solder (BLK) Restore wiring between pin C8 of G1 and pin 3 of E30, across pin A1(A8*) of connector G307 (WHT-GRN)

(*) from chassis N.____

LEFT-HAND REVERSING LIGHT NOT WORKING	TEST C
--	---------------

TEST PROCEDURE	RESULT	CORRECTIVE ACTION
C1 CHECK VOLTAGE - With reverse gear engaged, verify 12V between pin 2 and 3 of the rear central light assembly E31	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Carry out step C2 Carry out step C3
C2 CHECK BULB - Check for damage of reversing light bulb in light assembly E31 (inner lamp, with white transparency)	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Check and if necessary replace the complete light assembly E31 Replace bulb
C3 CHECK VOLTAGE - With reverse gear engaged, verify 12V at pin 3 of E31	<input checked="" type="radio"/> OK ▶ <input type="radio"/> OK ▶	Restore wiring between pin 2 of E31 and pin A2(A1*) of connector G307, across the solder (BLK) Restore wiring between pin C7 of G1 and pin 3 of E31, across pin A4(A2*) of connector G307 (WHT)

(*) from chassis N.____