

## CHECK PANEL

### INDEX

GENERAL DESCRIPTION . . . . .	14-2
POWER SUPPLY AND CLOCK . . . . .	14-3
LEVELS CHECK . . . . .	14-6
DOOR OPEN INDICATOR . . . . .	14-10
STOP LIGHTS CHECK . . . . .	14-15
REAR FOG LIGHTS CHECK . . . . .	14-18
NUMBERPLATE LIGHTS AND SIDELIGHTS CHECK . . . . .	14-21
LOCATION OF COMPONENTS . . . . .	14-25
TROUBLESHOOTING TABLE . . . . .	14-26
TROUBLESHOOTING . . . . .	14-27

### GENERAL DESCRIPTION

The vehicle efficiency check device, the "Check Panel", continually verifies the correct operation of the most important electrical systems, particularly those connected with safety.

A display immediately alerts the driver if a malfunction or anomaly is detected in one of the controlled systems and the relative led-warning light then comes on. When the ignition key is engaged an initial check of the controlled systems is carried out.

#### OPERATING LOGIC

The Check Panel device is formed by:

- a display **C16**, located in the centre of the dashboard;
- an electronic control unit **N59**, located in the fusebox **G1**;

- a series of sensors which measure the controlled values.

The operations are based on the capability of determining certain conditions of certain electrical functions:

- inappropriate electrical charge
- anomalous opening or closing of a circuit.

These functions are carried out, for a few of the controlled systems, by the electronic control unit **N59**, while the other signals reach the display **C16** straight from the sensors.

The controlled systems are the following:

- insufficient windscreen washer fluid indicator;
- insufficient engine oil level indicator;
- insufficient engine coolant indicator;

- stop-light malfunction indicator;
- rear fog light malfunction indicator;
- sidelights malfunction indicator;
- number plate light malfunction indicator;
- door open indicator.

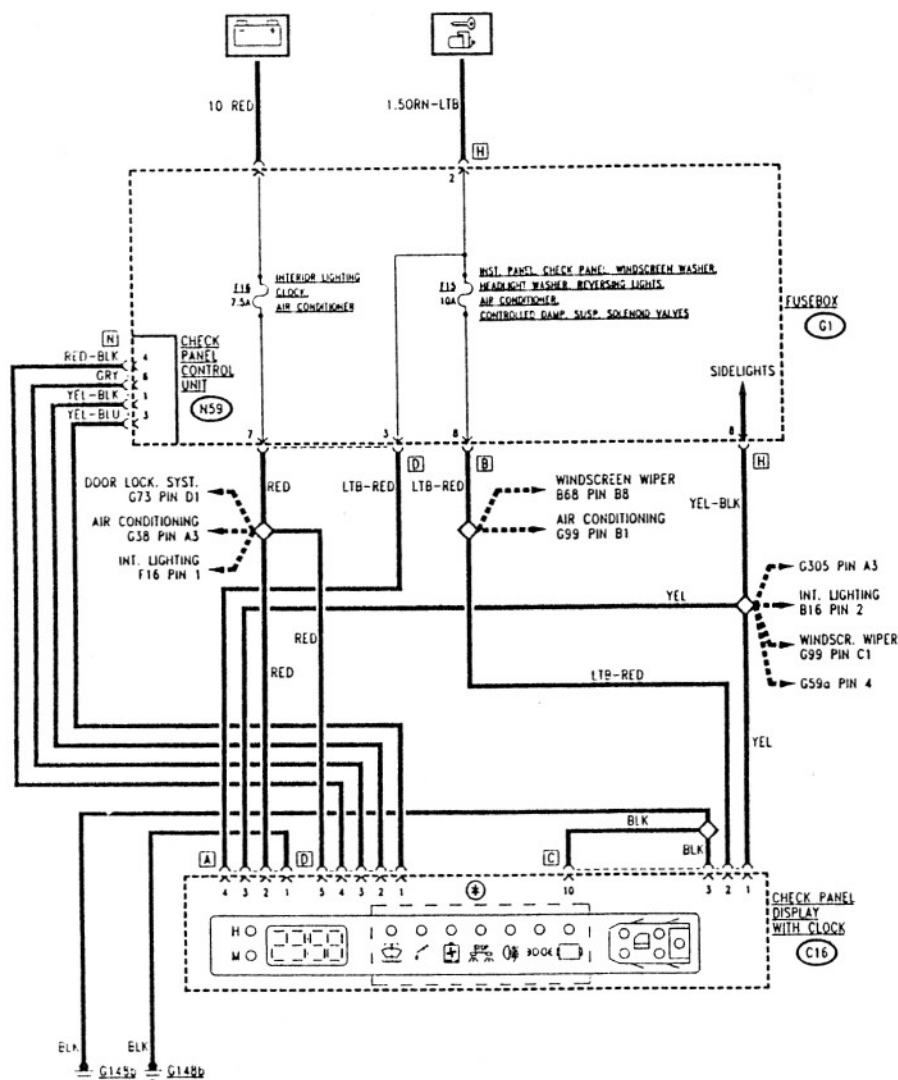
A digital clock with relative buttons for adjustment and setting are also incorporated in the display.

**N.B.** Models not equipped with the complete Check Panel device are however fitted with a display with clock and the leds signalling "door open". For these models only the diagrams relative to

- power supply and clock
  - door open indicator
- should be considered

## POWER SUPPLY AND CLOCK

### Wiring Diagram



(\*) Only for versions with Check Panel

### Functional Description

The display C16 is supplied by battery voltage via fuse F16 (7.5A) of fusebox G1 which is connected to pin 5 of connector D of the display itself.

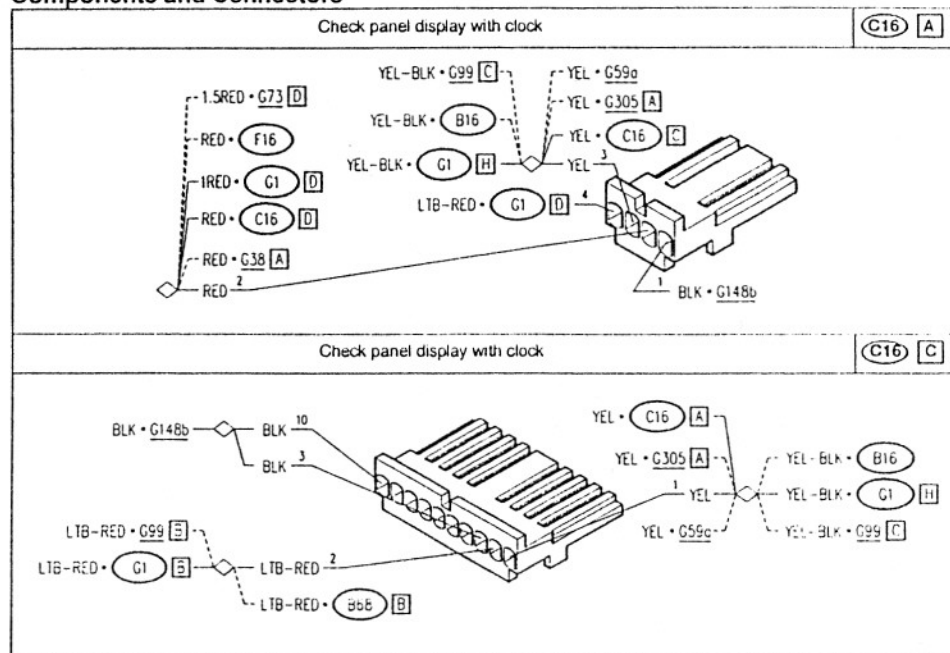
Pins 1,2,3,4 of connector D connect the display to the control unit N59.

Pin 1 of connector C receives a power supply signal from the sidelights circuit which, when the lights are on, lights up the ideograms on the display.

Pin 2 is turn-key supplied via fuse F15 (10A) in fusebox G1, while pin 3 and pin 10 are grounded.

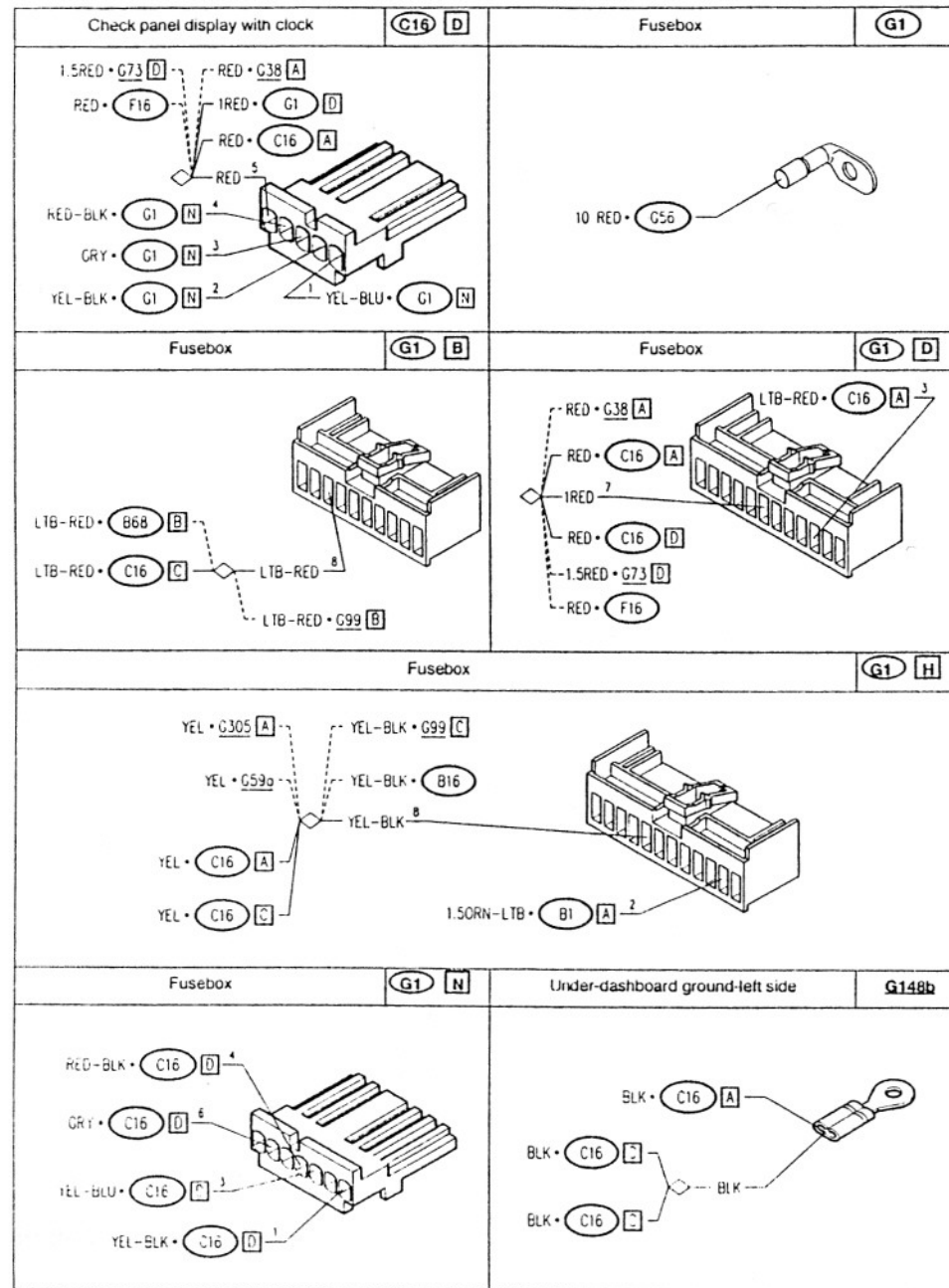
The clock is also directly supplied by battery voltage through fuse **F16** of fuse-box **G1**, to pin 2 of connector A. Pin 1 of the connector is grounded while pin 4 reaches the turn-key supply which lights up the digits of the clock itself; a side-lights signal reaches pin 3 which lowers the light intensity of the display.

## Components and Connectors



## CHECK PANEL

14-5

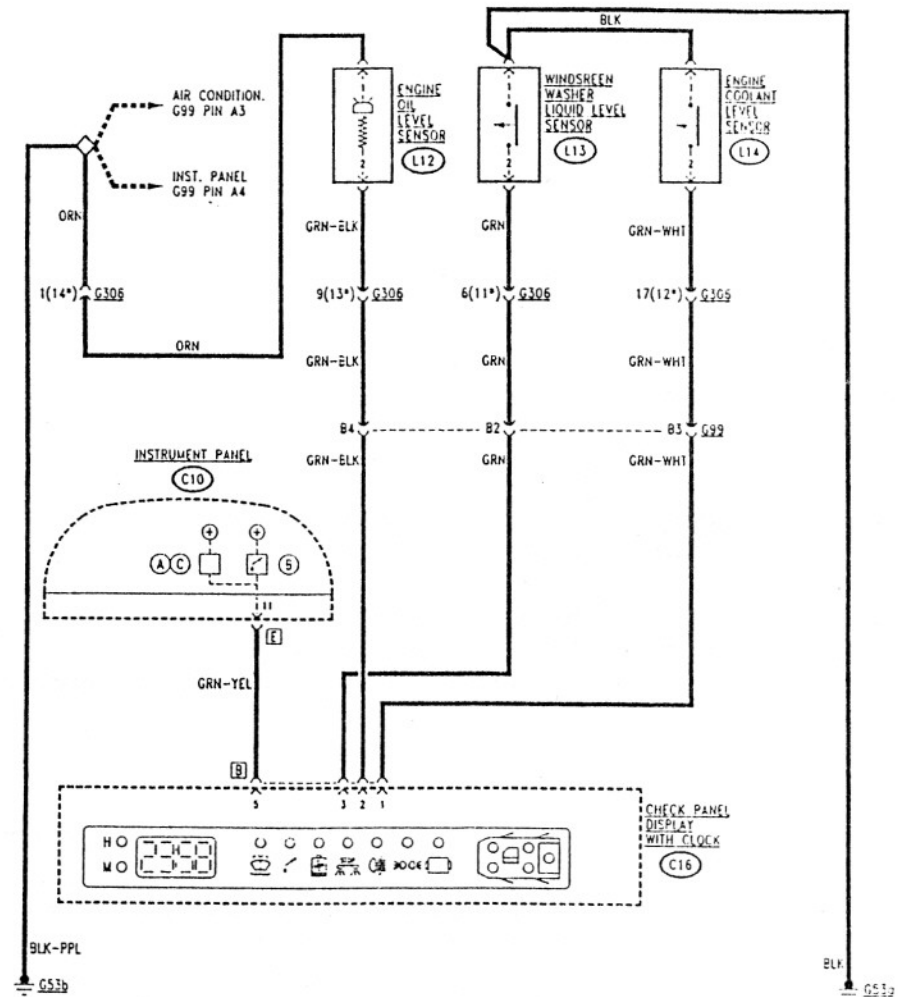


14-6

## CHECK PANEL

## LEVELS CHECK

## Wiring Diagram



- (A) Basic instrument panel  
 (B) Sports-type panel  
 (C) Simplified panel  
 (\*) from chassis N.

## Functional Description

Three special sensors, with a ground signal sent directly to display C16, alert the driver that the level of some of the fluids is insufficient.

The engine coolant level sensor L14 is located in the relative reservoir. It is formed by a float which, when the level of the liquid falls, closes a contact of a hermetically sealed switch and sends a ground signal to display C16, at pin 1 of connector B.

The windscreen washer liquid sensor L13, also located in the relative reservoir, like sensor L14, is composed of a contact which is closed by a float and

sends a ground signal to pin 3 of connector B of display C16.

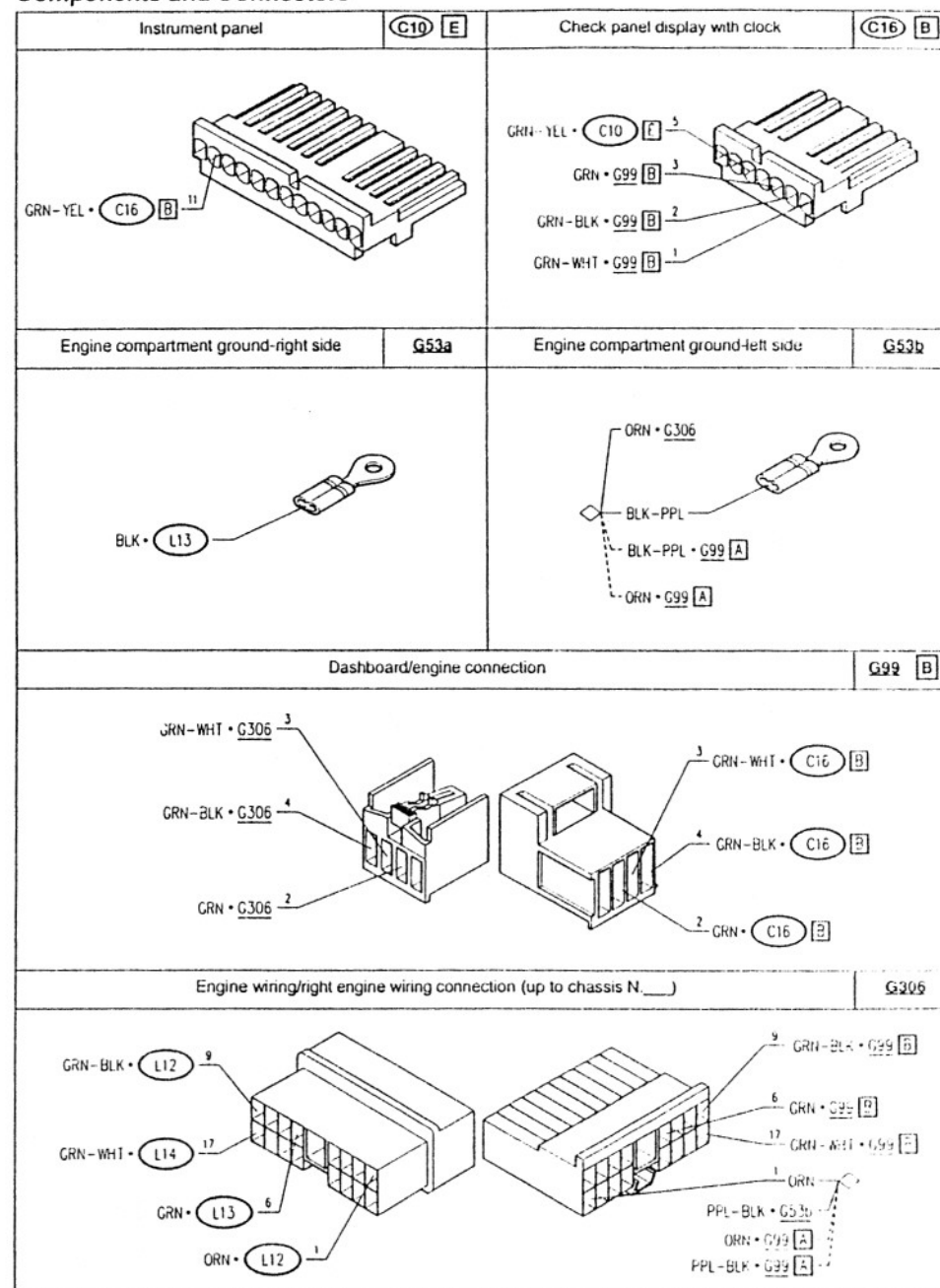
The engine oil level sensor L12 is located at the tip of a rod immersed in the sump oil. It is composed of a pair of contacts located at the ends of a bimetal strip which is heated by a resistance. The heat generated is normally dissipated by the oil and the contacts stay closed; when the oil level falls the heat causes the circuit to open and interrupts the signal sent to pin 2 of connector B of display C16.

**NOTE:** The signal is analyzed by the Check Panel device only when the engine is started

The same signal is sent by pin 5 to pin 11 of connector E of the instrument panel C10 to light up the "Engine oil minimum level" warning lamp (in the basic A version or in the simplified C version of the instrument panel this warning lamp is a simple amber light and has no ideograms).

**NOTE:** The intervention logic ensures that even a brief signal is sent to the instrument panel to switch on the warning lamp, while the led on the Check Panel stays on continuously only when the signal persists.

## Components and Connectors





## Functional Description

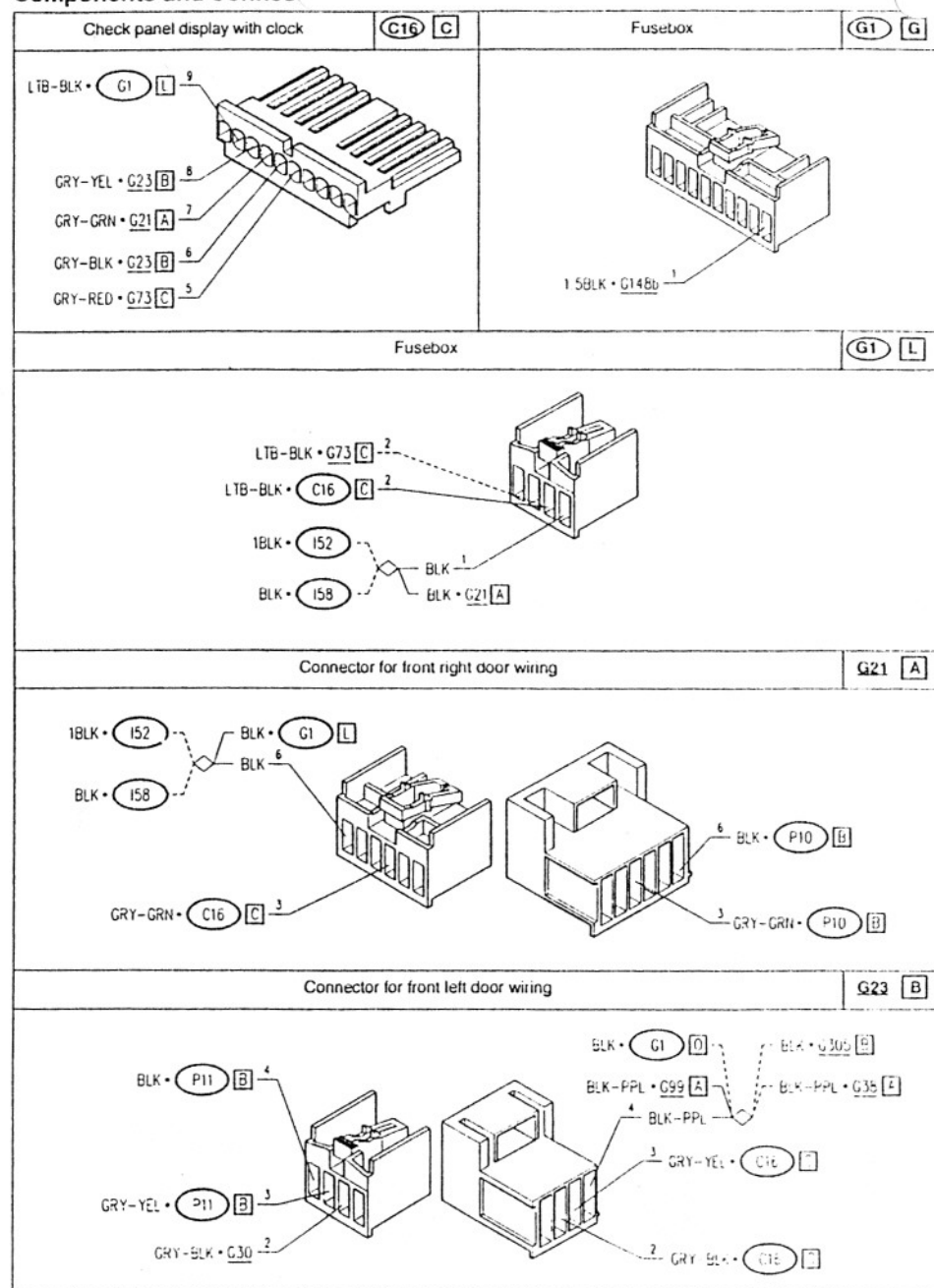
The door locking device - P10, P11, P12, P13 - located on each door near the locks, also contains a microswitch which closes when the door itself is open, and

sends a ground signal to the display C16 at pins 5, 6, 7 and 8 of connector C.

Pin 9 is connected to the door lock control unit N11 and to the Check Panel control unit N59, located inside fusebox G1, in order to signal the incorrect clo-

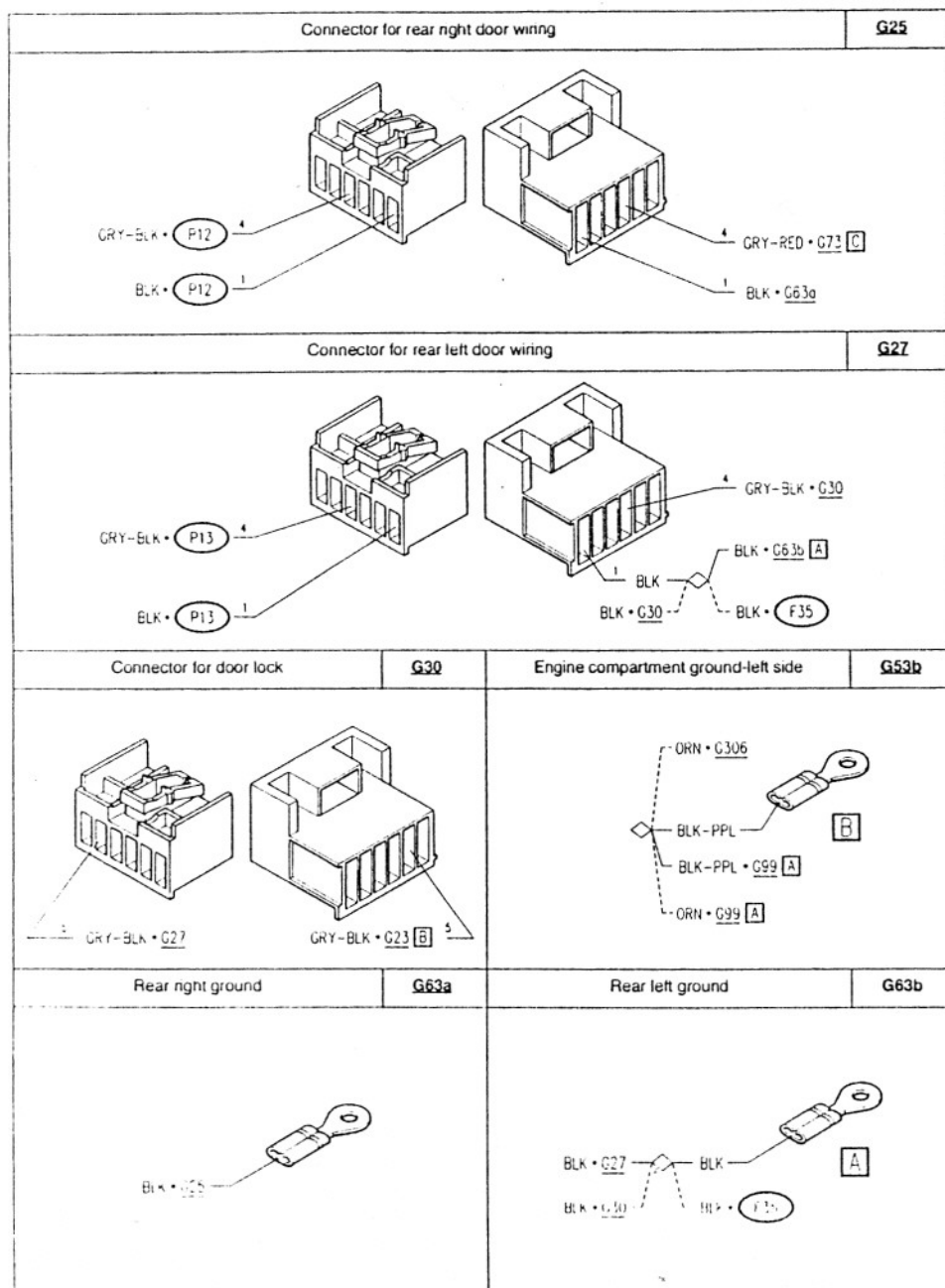
sure of the doors and prevent locking/unlocking of the locks (see "Door locking system").

## Components and Connec



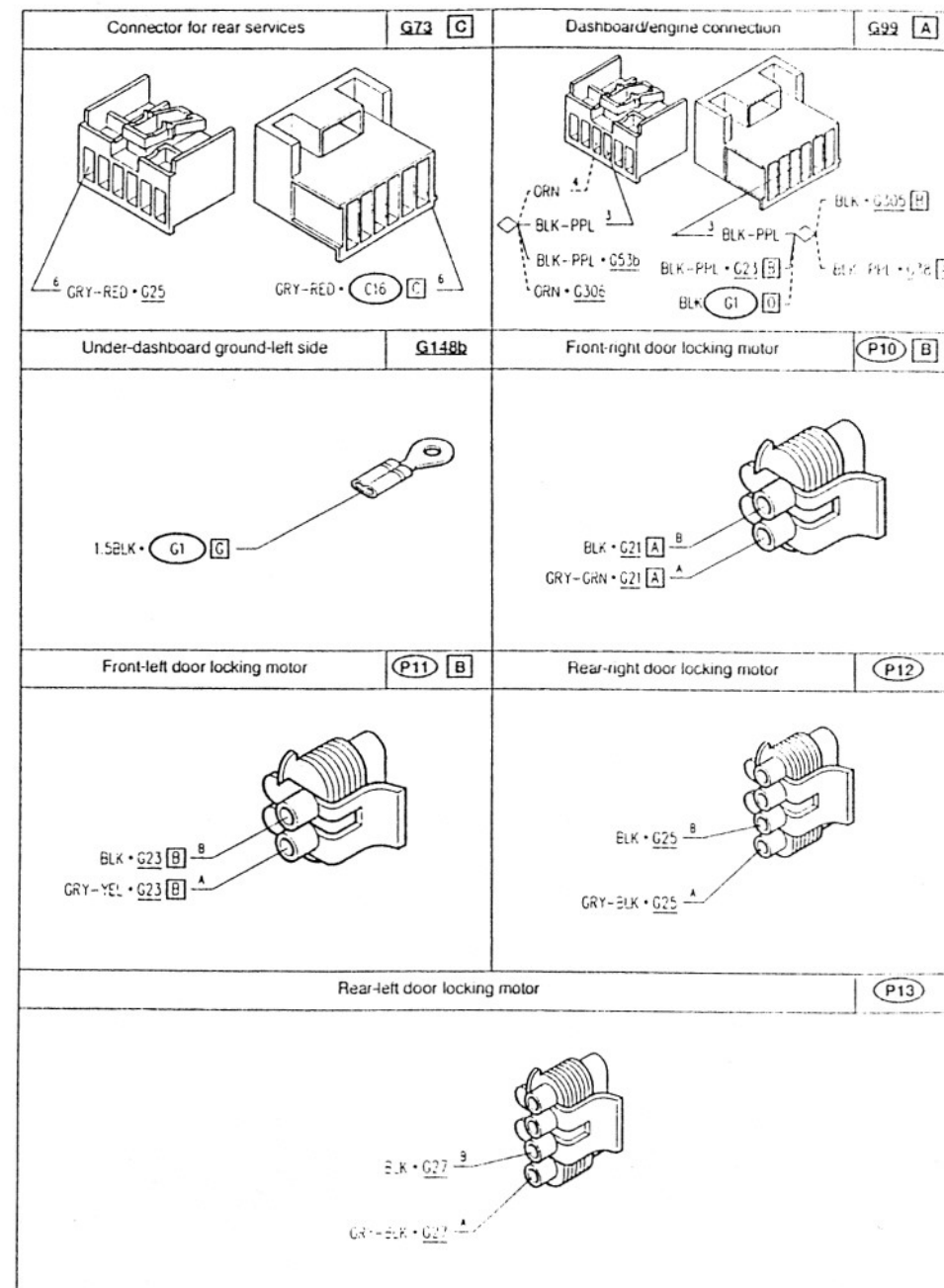
## CHECK PANEL

14-13



## CHECK PANEL

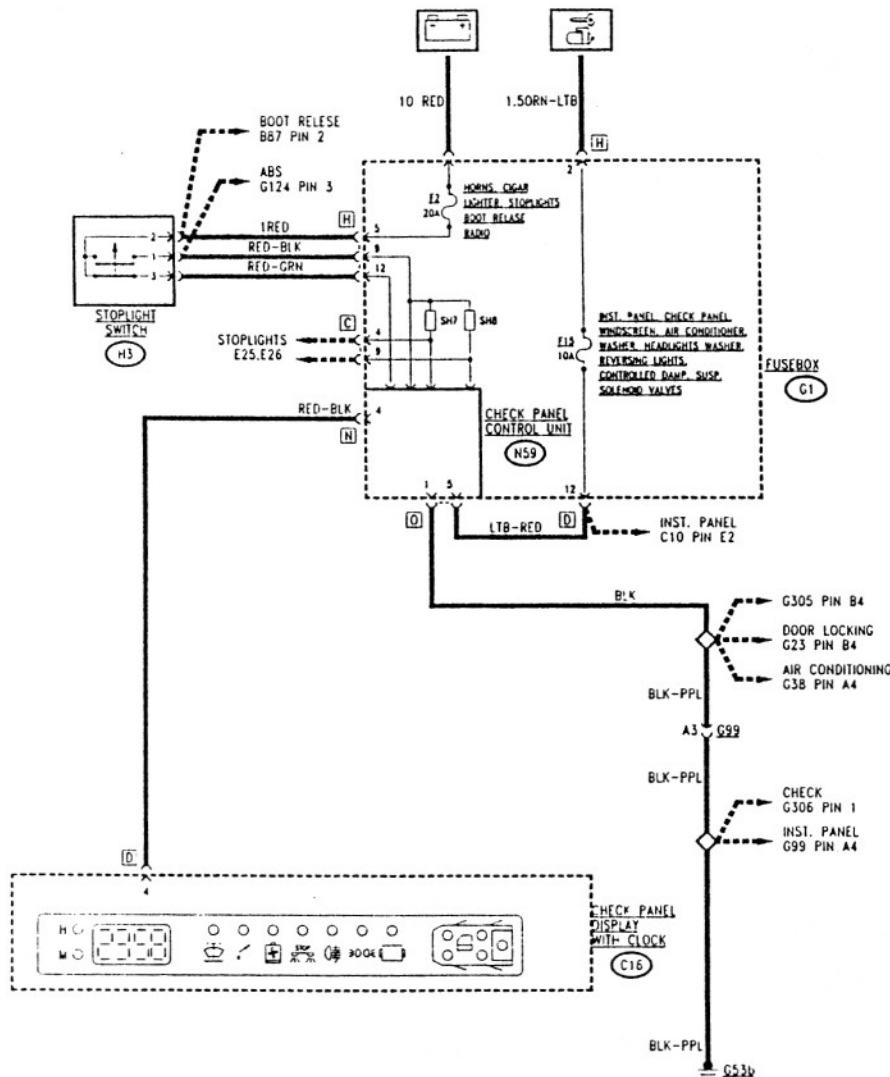
14-14





## STOP LIGHTS CHECK

## Wiring Diagram



## Functional Description

## Check Panel control unit

The Check Panel N59 processes the various signals and sends them to the display C16 through the lines that exit pins 1, 3, 4 and 6 of connector N of the fusebox G1 where the control unit N59 is located.

The control unit is turn-key supplied via fuse F15 (10A) to pin 5 of connector O of G1, while a ground reaches the control unit from pin 1 of the connector.

The control unit checks the electrical charge in the controlled circuits by way of a shunt ("SH1", "SH2"...) inserted in the circuits of fusebox G1 on the lines

carrying the signals to be checked by the control unit N59.

In the following three charts the control unit N59 connections are illustrated along with the various controlled functions:

## Stop light check

The control unit N59 is connected to the two contacts of the stop light switch H3 via pins 9 and 12 of connector H in G1.

The control unit carries out two distinct checks through this signal:

- the first (only carried out when the brake pedal is depressed) checks for a possible anomaly in a single bulb or

relative circuit, and the correct operation of the "working" contacts (N.C.) of switch H3 (see "Stop-Lights");

- the second (continuous operation) controls the supply to the circuit (fuse F2 of fusebox G1) and the correct operation of the contacts "at rest" (N.C.) of switch H3 (see "Stop-Lights").

In both cases, if an anomaly is discovered, the control unit sends a signal to pin 4 of connector D of C16 to light up the relative warning lamp.

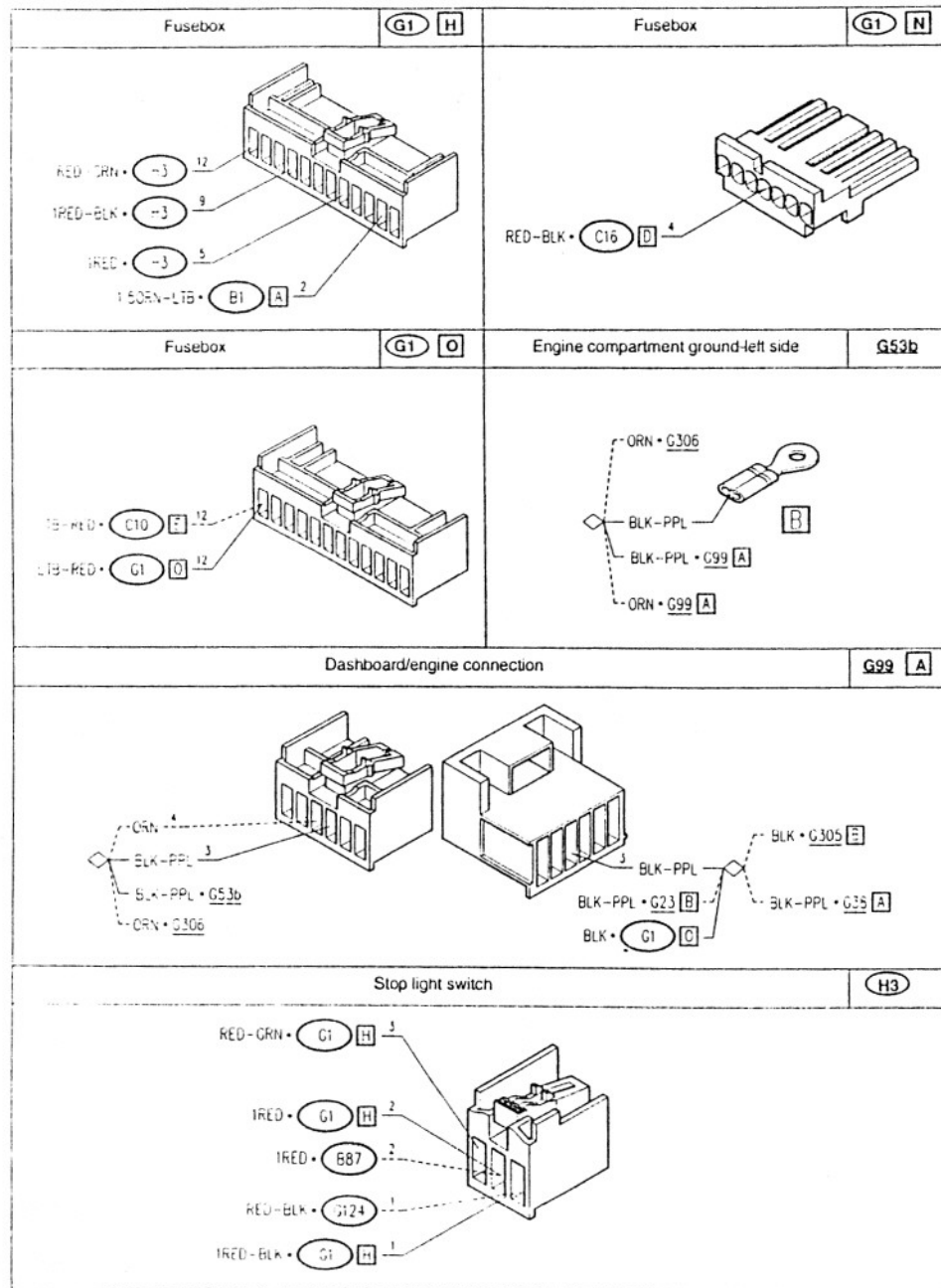
## Components and Connectors

Check panel display with clock	(C16) [D]	Fusebox	(G1)
Fusebox	(G1) [C]	Fusebox	(G1) [D]



## CHECK PANEL

14-17

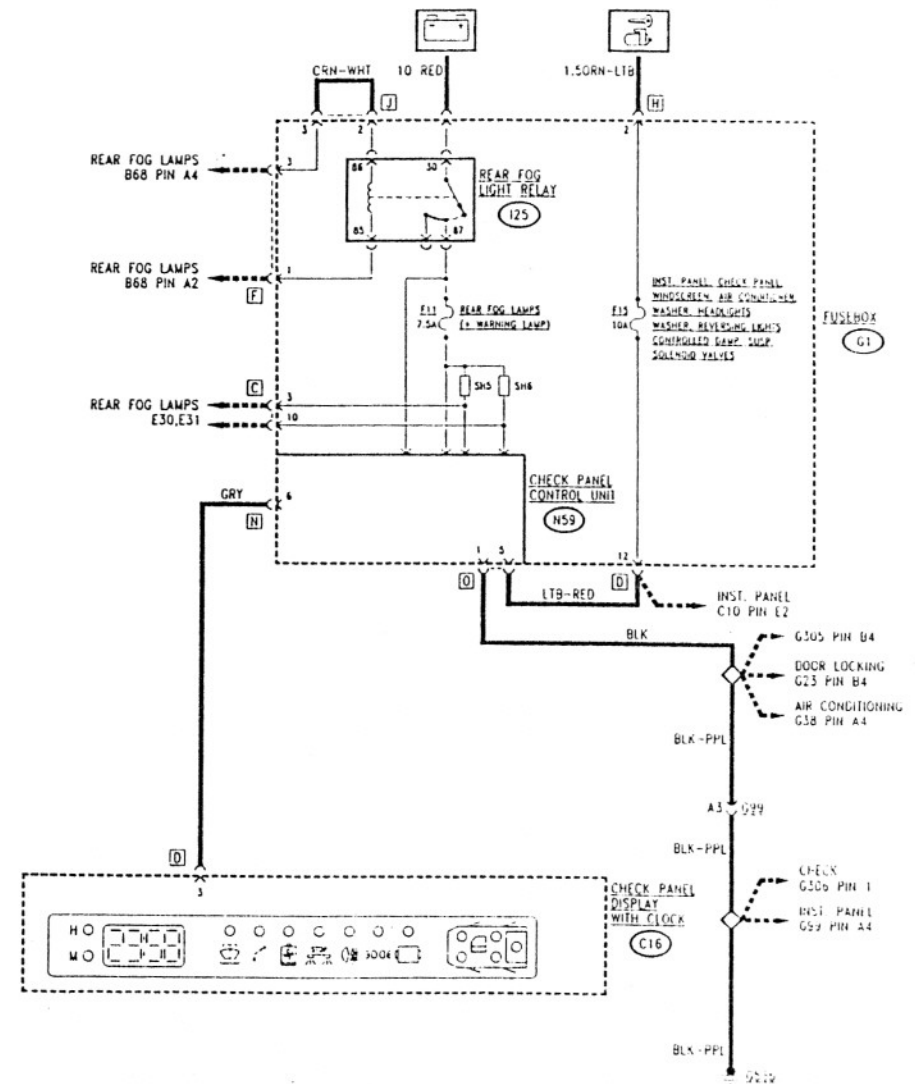


14-18

## CHECK PANEL

## REAR FOG LIGHTS CHECK

## Wiring Diagram



## Functional Description

## Control Unit

See "Stop lights check".

## Rear fog lights check

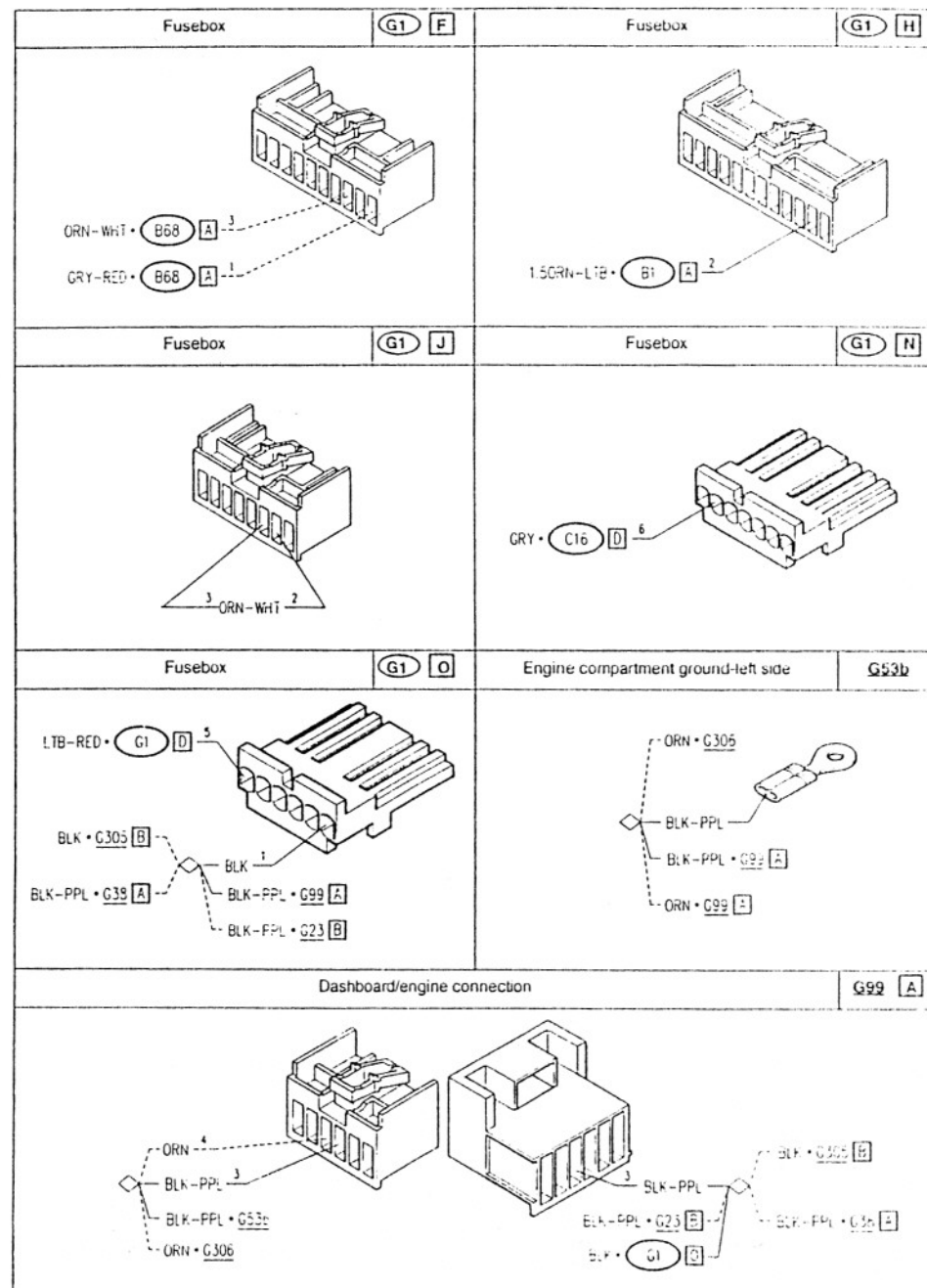
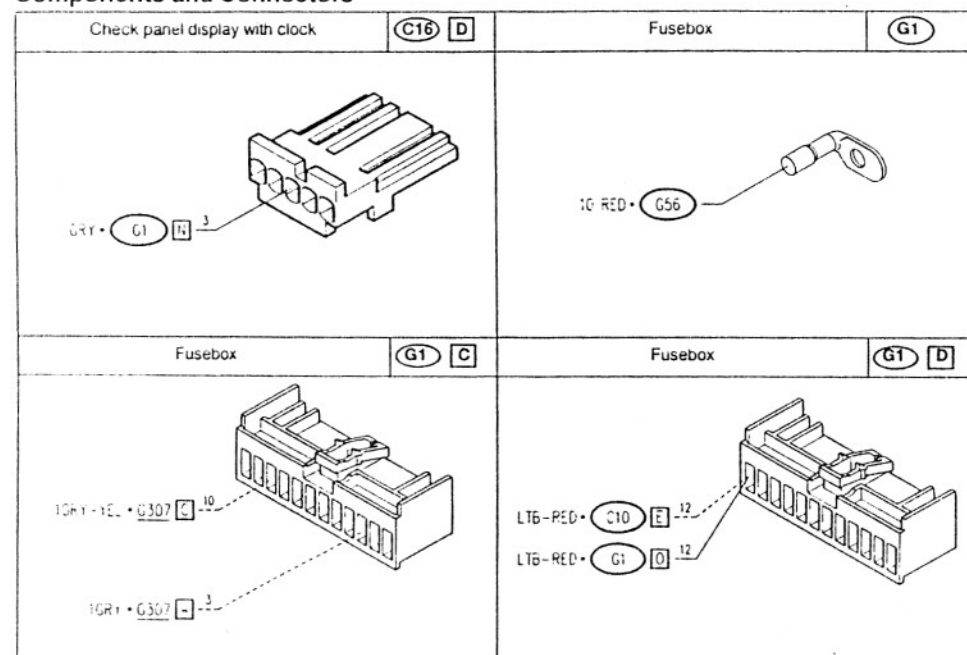
Control unit N59 is connected to the rear fog light power supply - fuse F11 and

relay I25, both in the fusebox G1 - and to the rear fog lamp through pins 3 and 10 of connector C in fusebox G1 (see "Rear and Front Foglamps").

Through these signals the control unit checks for a possible malfunction of a single bulb or a failure in the power supply to fuse F11. If an anomaly is

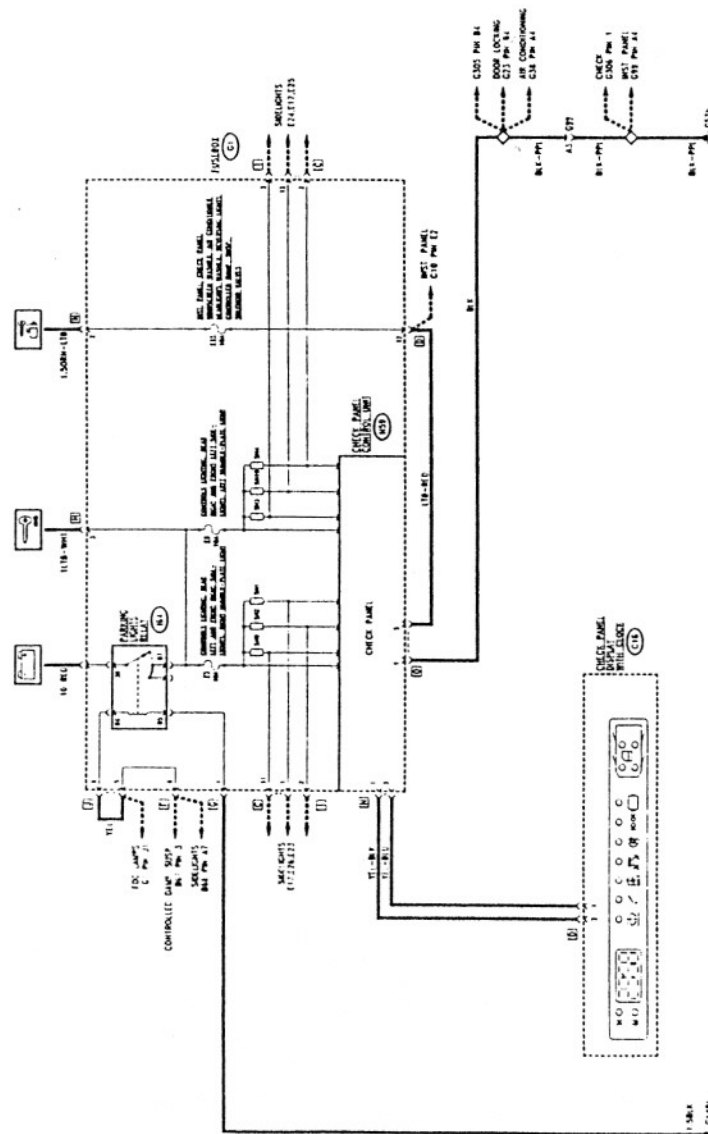
detected, the control unit sends a signal to pin 3 of connector D of C16 and lights up the relative warning lamp.

## Components and Connectors



## NUMBERPLATE LIGHTS AND SIDELIGHTS CHECK

## Wiring Diagram



## Functional Description

## Check Panel control unit

See "Stop lights check".

## Numberplate lights and sidelights check

Control unit N59 is connected to the sidelights power supply - fuses F5 and F6 and relay 164 located in fusebox G1 - and also to the sidelights bulbs both

front and rear via pins 2 and 3 of connector 1 of G1 and pins 1 and 2 of connector C of G1, and to the numberplate lights through pin 11 and 12 of connector C of G1 (see "Sidelights").

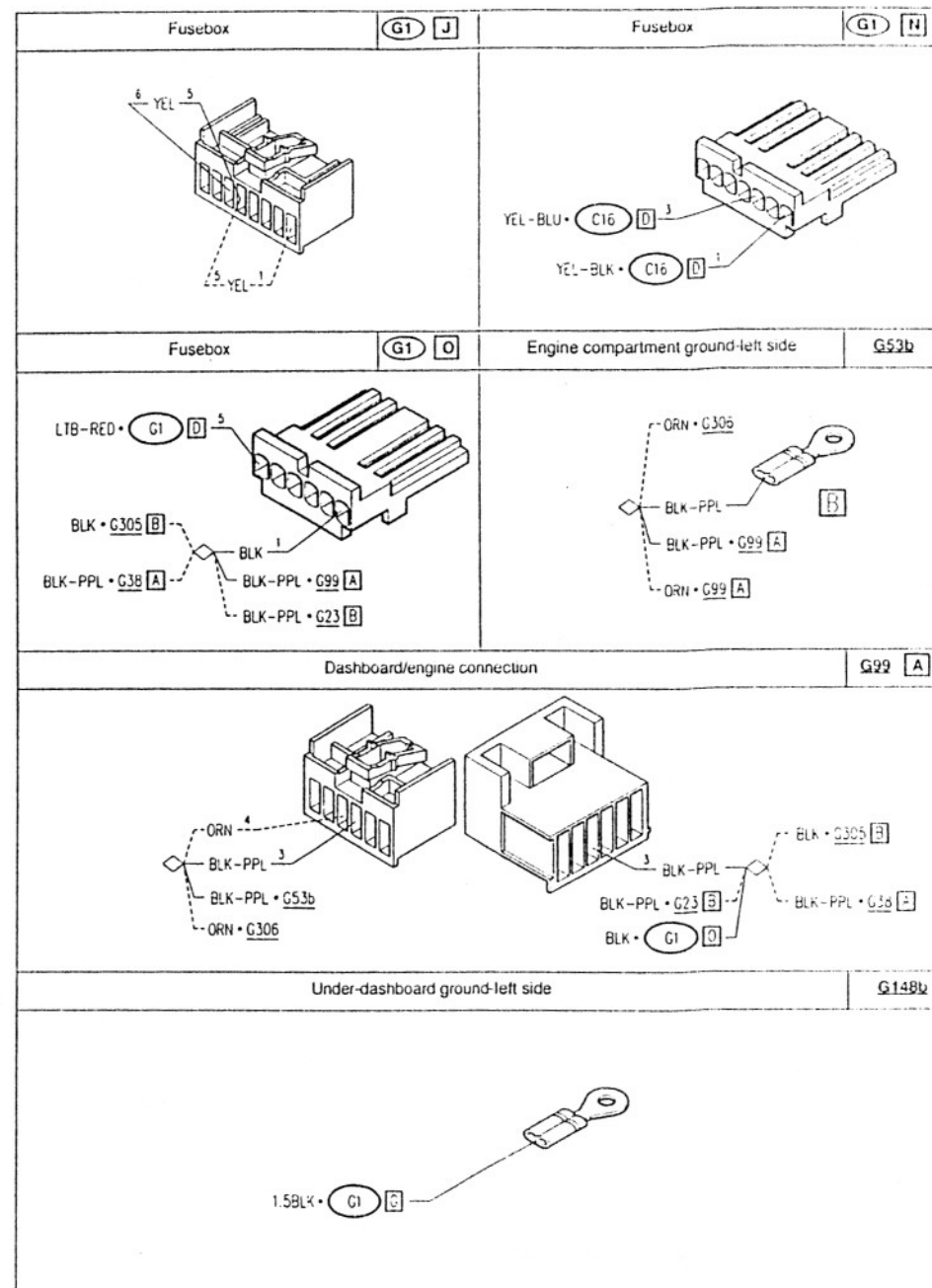
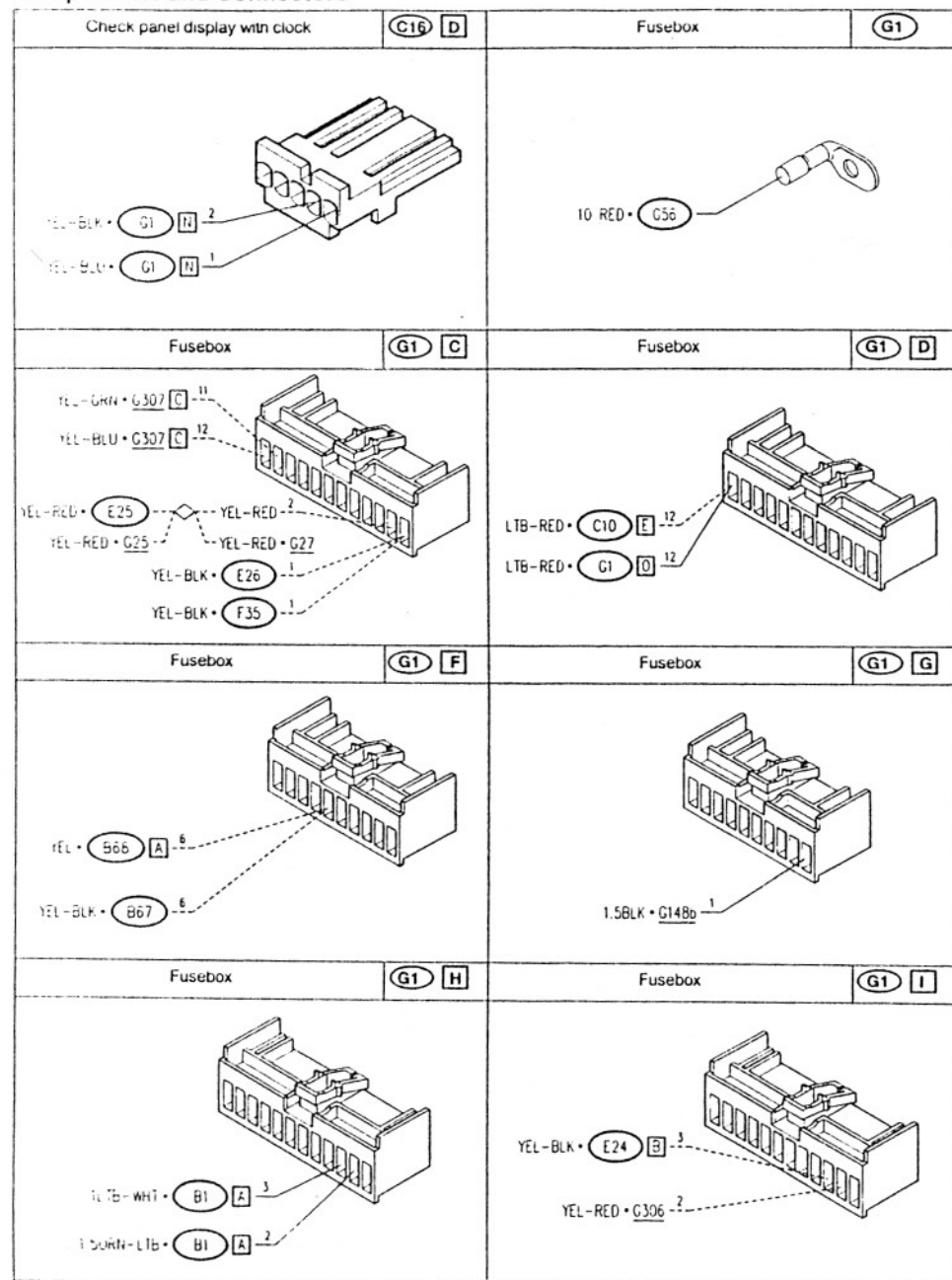
Through this signal the control unit checks for a possible malfunction of a single bulb or an interruption in the power supply to fuses F5 and F6.

If an anomaly is detected, the control unit sends two signals to connector D of

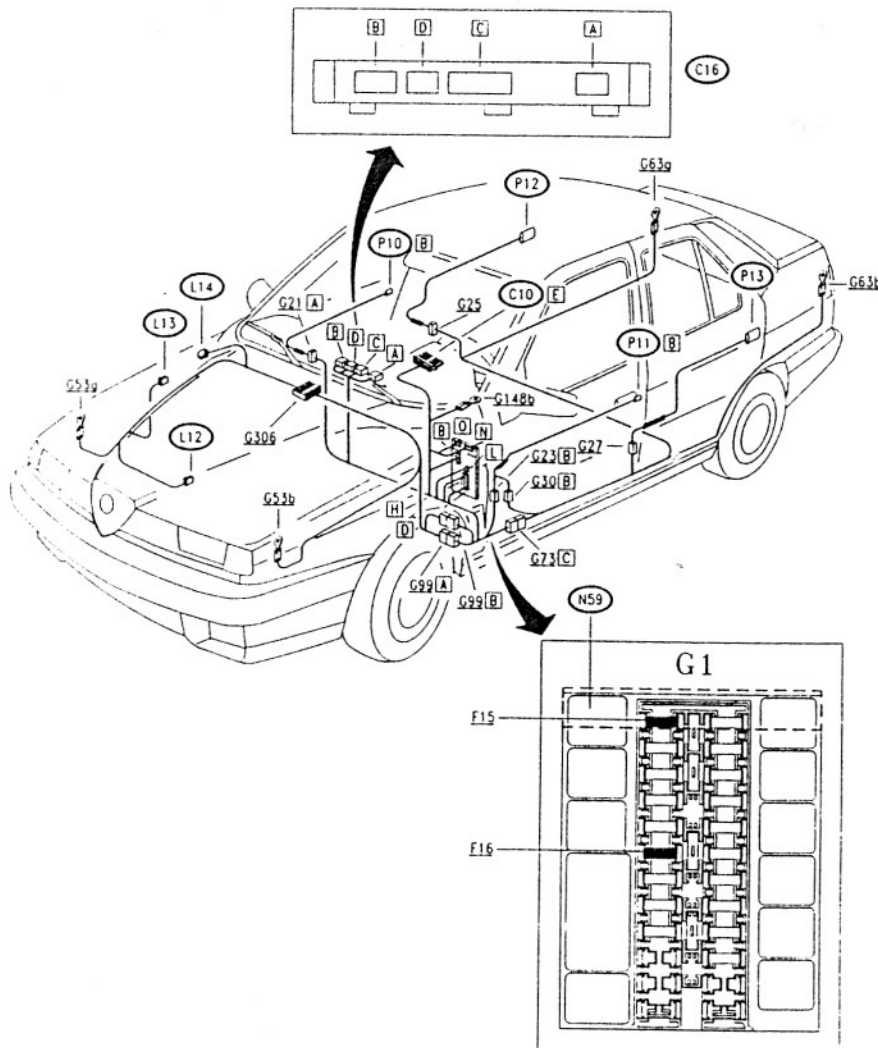
C16 (pin 1 for numberplate lights and pin 2 for the sidelights) to illuminate the relative warning lamps.

**NOTE:** the simultaneous interruption of both fuse F5 and fuse F6 is not signalled: in this event though, as the sidelights are completely out, the relative "sidelights on" warning lamp on the instrument panel C10 will be out.

## Components and Connectors



## LOCATION OF COMPONENTS



## TROUBLESHOOTING TABLE

[illegible]

**NOTE:** The tests from **A** to **G** are valid for all models. The tests from **H** to **M** are only valid for models fitted with the complete Check Panel.

## TROUBLESHOOTING

## CHECK PANEL DISPLAY IS OUT

## TEST A

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
A1	CHECK FUSE – Check for damage of fuse F15 in fusebox G1	OK	Carry out step A2
		<del>OK</del>	Replace the fuse (10A)
A2	CHECK FUSE – Check for damage of fuse F16 in fusebox G1	OK	Carry out step A3
		<del>OK</del>	Replace the fuse (7.5 A)
A3	CHECK VOLTAGE – Verify 12V at pin D5 of display C16	OK	Carry out step A4
		<del>OK</del>	Restore wiring between pin D7 of G1 and pin D5 of display C16, across the solder (RED)
A4	CHECK VOLTAGE – With ignition key engaged, verify 12V at pin C2 of display C16	OK	Carry out step A5
		<del>OK</del>	Restore wiring between pin B8 of G1 and pin C2 of display C16, across the solder (LTB-RED)
A5	CHECK GROUND – Check that pins C10 and C3 of display C16 are grounded (0V)	OK	Replace the display C16
		<del>OK</del>	Restore wiring between pin C10 and pin C3 of display C16 and ground G148b, across the solder (BLK)

## CLOCK NOT WORKING

## TEST B

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
B1	CHECK FUSE – Check for damage of fuse F16 in fusebox G1	OK	Carry out step B2
		<del>OK</del>	Replace the fuse (7.5 A)
B2	CHECK VOLTAGE – Verify 12V at pin A2 of display C16	OK	Carry out step B3
		<del>OK</del>	Restore wiring between pin D7 of G1 and pin A2 of display C16, across the solder (RED)
B3	CHECK VOLTAGE – With ignition key engaged, verify 12V at pin A4 of display C16	OK	Carry out step B4
		<del>OK</del>	Restore wiring between pin D3 of G1 and pin A4 of display C16 (LTB-RED)
B4	CHECK GROUND – Check that pin A1 of display C16 is grounded (0V)	OK	Replace display C16
		<del>OK</del>	Restore wiring between pin A1 of display C16 and ground G148b (BLK)

## CHECK PANEL DISPLAY DOES NOT LIGHT UP

## TEST C

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
C1	CHECK VOLTAGE – With sidelights on, verify 12V at pin C1 of display C16	OK	Carry out step C3
		<del>OK</del>	Carry out step C2
C2	CHECK VOLTAGE – With sidelights on, verify 12V at pin H8 of G1	OK	Restore wiring between pin H8 of G1 and pin C1 of display C16, across the solder (YEL-BLK and YEL)
		<del>OK</del>	Check the sidelights circuit (see section "Sidelights")
C3	CHECK VOLTAGE – With sidelights on, verify 12V at pin A3 of display C16	OK	Replace the display C16
		<del>OK</del>	Restore wiring between pin H8 of G1 and pin A3 of display C16, across the solder (YEL-BLK and YEL)

## ON OPENING THE FRONT LEFT DOOR, THE RELATIVE LED DOES NOT WORK

## TEST D

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
D1	CHECK GROUND - Opening the front left door, verify 0V at pin BA of door locking device P11	OK	Carry out step D3
		OK	Carry out step D2
D2	CHECK GROUND - Verify 0V at pin BB of door locking device P11	OK	Replace the door locking device P11
		OK	Restore wiring between pin BB of P11 and ground G53b, across pin B4 of connector G23, pin A3 of connector G99 and the two solders (BLK)
D3	CHECK GROUND - Opening the front left door, verify 0V at pin C8 of Check Panel display C16	OK	Replace the display C16
		OK	Restore wiring between pin BA of P11 and pin C8 of display C16, across pin B3 of connector G23 (GRY-YEL)

## ON OPENING THE FRONT RIGHT DOOR, THE RELATIVE LED DOES NOT WORK

## TEST E

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
E1	CHECK GROUND - Opening the front right door, verify 0V at pin BA of door locking device P10	OK	Carry out step E3
		OK	Carry out step E2
E2	CHECK GROUND - Verify 0V at pin BB of door locking device P10	OK	Replace the door locking device P10
		OK	Restore wiring between pin BB of P10 and pin L1 of G1, across pin A6 of connector G21 and the solder (BLK)
E3	CHECK GROUND - Opening the front right door, verify 0V at pin C7 of Check Panel display C16	OK	Replace the display C16
		OK	Restore wiring between pin BA of P10 and pin C7 of display C16, across pin A3 of connector G21 (GRY-GHN)

## ON OPENING THE REAR LEFT DOOR, THE RELATIVE LED DOES NOT WORK

## TEST F

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
F1	CHECK GROUND - Opening the rear left door, verify 0V at pin A of door locking device P13	OK	Carry out step F3
		OK	Carry out step F2
F2	CHECK GROUND - Verify 0V at pin B of door locking device P13	OK	Replace the door locking device P13
		OK	Restore wiring between pin B of P13 and ground G63b, across pin 1 of connector G27 and the solder (BLK)
F3	CHECK GROUND - Opening the rear left door, verify 0V at pin C6 of Check Panel display C16	OK	Replace the display C16
		OK	Restore wiring between pin A of P13 and pin C6 of display C16, across pin 4 of connector G27, pin 5 of connector G30 and B2 of connector G23 (GRY-BLK)

## ON OPENING THE REAR RIGHT DOOR, THE RELATIVE LED DOES NOT WORK

## TEST G

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
G1	CHECK GROUND - Opening the rear right door, verify 0V at pin A of door locking device P12	OK	Carry out step G3
		OK	Carry out step G2
G2	CHECK GROUND - Verify 0V at pin B of door locking device P12	OK	Replace the door locking device P12
		OK	Restore wiring between pin B of P12 and ground G63a, across pin 1 of connector G25 (BLK)
G3	CHECK GROUND - Opening the rear right door, verify 0V at pin C8 of Check Panel display C16	OK	Replace the display C16
		OK	Restore wiring between pin A of P12 and pin C5 of display C16, across pin 4 of connector G25, pin C6 of connector G27 (GRY-BLK and GRY-RED)



## WATER LEVEL LED NOT WORKING

## TEST H

**NOTE:** "the led not working", means that it lights up to indicate and insufficient level while in reality the level is correct, or vice-versa it does not light up when the level is too low

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
H1	CHECK SENSOR	OK	Carry out step H2
- Check for correct functioning of engine coolant level sensor L14: • removing the sensor from the reservoir, there must be continuity between pins 1 and 2 of sensor L14 itself		OK	Replace the sensor L14
H2	CHECK GROUND	OK	Carry out step H3
- Check that pin 1 of sensor L14 is grounded (0V)		OK	Restore wiring between pin 1 of L14 and ground G53a, across pin 1 of sensor L13 (BLK)
H3	CHECK SIGNAL	OK	Replace the Check Panel display C16
- With the sensor removed from the reservoir but still connected to the relative wiring, check for a ground signal (0V) at pin B1 of Check Panel display C16		OK	Restore wiring between pin 2 of L14 and pin B1 of C16, across pin 17(12*) of connector G306 and pin B3 of connector G99 (GRN-WHT)

(\*) from chassis N. \_\_\_\_

## ENGINE OIL LEVEL LED NOT WORKING

## TEST I

**NOTE:** "the led not working", means that it lights up to indicate and insufficient level while in reality the level is correct, or vice-versa it does not light up when the level is too low

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
I1	CHECK SENSOR	OK	Carry out step I2
- Check for correct functioning of engine oil level sensor L12: • removing the sensor from the engine block but without disconnecting the relative wiring, the contact must open between pins 1 and 2 of sensor L12 itself		OK	Replace the sensor L12
I2	CHECK GROUND	OK	Carry out step I3
- Check that pin 1 of sensor L12 is grounded (0V)		OK	Restore wiring between pin 1 of L12 and ground G53b, across pin 1(14*) of connector G306 and the solder (ORN and BLK-PPL)
I3	CHECK SIGNAL	OK	Replace the Check Panel display C16
- Removing the sensor from the engine block without disconnecting the relative wiring check that the signal at pin B2 of Check Panel display C16 (*) is interrupted		OK	Restore wiring between pin 2 of L12 and pin B2 of C16, across pin 9(13*) of connector G306 and pin B4 of connector G99 (GRN-BLK)

(\*) **NOTE:** warning lamp on instrument panel:

removing the sensor from the engine block, also check for a ground signal at pin E11 of instrument panel C10: otherwise replace the relative lamp in the instrument panel C10, or restore the wiring between pin B5 of C16 and pin E11 of C10 (GRN-YEL).

(\*) from chassis N. \_\_\_\_

## WINDSCREEN WIPER LIQUID LEVEL LED NOT WORKING

## TEST J

NOTE: "the led not working", means that it lights up to indicate and insufficient level while in reality the level is correct, or vice-versa it does not light up when the level is too low

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
J1	CHECK SENSOR	OK	Carry out step J2
		OK	Replace the sensor L13
J2	CHECK GROUND	OK	Carry out step J3
		OK	Restore wiring between pin 1 of L13 and ground G53a (BLK)
J3	CHECK SIGNAL	OK	Replace the Check Panel display C16
		OK	Restore wiring between pin 2 of L13 and pin B3 of C16, across pin 6(11*) of connector G306 and pin B2 of connector G99 (GRN)

(\*) from chassis N. \_\_\_\_

## STOP LIGHT CHECK LED NOT WORKING

## TEST K

N.B: The malfunction described as "led not working" can be grouped into three categories:

1. the led lights up normally when there is a malfunction in the stop light system.  
In this case proceed to the tests indicated in the section "Stop-lights".
2. the led lights up but no malfunction is discovered in the stop light system (the tests indicated in the section "Stop-lights" have been carried out without a positive outcome) .  
In this case carry out test K.
3. the led does not light up, but a malfunction in the stop light system has been discovered.  
In this case, first carry out the tests indicated in the section "Stop-lights" to restore the correct functioning of the circuit, and then carry out test K

TEST PROCEDURE		RESULT	CORRECTIVE ACTION
K1	CHECK FUSE	OK	Carry out step K2
		OK	Replace the fuse (10A)
K2	CHECK CONTROL UNIT	OK	Carry out step K5
		OK	Carry out step K3
K3	CHECK VOLTAGE	OK	Carry out step K4
		OK	Restore wiring between pin D12 and pin O5 of G1 (LTB-RED)
K4	CHECK GROUND	OK	Replace the control unit N49
		OK	Restore wiring between pin O1 of G1 and ground G53b, across the solders and pin A3 of connector G99 (BLK and BLK- PPL)
K5	CHECK DISPLAY	OK	Replace the display C16
		OK	Restore wiring between pin N4 of G1 (Check Panel control unit N59) and pin D4 of display C16 (RED-BLK)

## REAR FOG LIGHTS CHECK LED NOT WORKING

## TEST L

N.B: The malfunction described as "led not working" can be grouped into three categories:

1. the led lights up normally when there is a malfunction in the rear fog light system.











In this case proceed to the tests indicated in the section "Rear and front fog lights".

2. the led lights up but no malfunction is discovered in the rear fog light system (the tests indicated in the section "Rear and front fog lights" have been carried out without a positive outcome).

In this case carry out **test L**.

3. the led does not light up, but a malfunction in the rear fog light system has been discovered.

In this case, first carry out the tests indicated in the section "Rear and front fog lights" to restore the correct functioning of the circuit, and then carry out **test L**.

TEST PROCEDURE	RESULT	CORRECTIVE ACTION
<b>L1</b> CHECK FUSE		Carry out <b>step L2</b>
– Check for damage of fuse <b>F15</b> in fusebox <b>G1</b>		Replace the fuse (10A)
<b>L2</b> CHECK CONTROL UNIT		Carry out <b>step L5</b>
– Disconnect relay <b>I25</b> for example, or a bulb and, with the ignition key engaged, check for an output signal at pin <b>N6</b> of <b>G1</b> (Check Panel control unit <b>N59</b> )		Carry out <b>step L3</b>
<b>L3</b> CHECK VOLTAGE		Carry out <b>step L4</b>
– With ignition key engaged, verify 12 V at pin <b>O5</b> of <b>G1</b> (Check Panel control unit <b>N59</b> )		Restore wiring between pin <b>D12</b> and pin <b>O5</b> of <b>G1</b> (LTB-RED)
<b>L4</b> CHECK GROUND		Replace the control unit <b>N49</b>
– Verify 0V at pin <b>O1</b> of <b>G1</b> (Check Panel control unit <b>N59</b> )		Restore wiring between pin <b>O1</b> of <b>G1</b> and ground <b>G53b</b> , across the solders and pin <b>A3</b> of connector <b>G99</b> (BLK and BLK- PPL)
<b>L5</b> CHECK DISPLAY		Replace the display <b>C16</b>
– Disconnect relay <b>I25</b> for example, or a bulb and, with the ignition key engaged, check for an output signal at pin <b>D3</b> of display <b>C16</b>		Restore wiring between pin <b>N6</b> of <b>G1</b> (Check Panel control unit <b>N59</b> ) and pin <b>D3</b> of display <b>C16</b> (GRY)

## SIDELIGHTS AND NUMBERPLATE LIGHTS CHECK LED NOT WORKING

## TEST M

N.B: The malfunction described as "led not working" can be grouped into three categories:

1. the led lights up normally when there is a malfunction in the sidelights or numberplate lights system.











In this case proceed to the tests indicated in the section "Sidelights".

2. the led lights up but no malfunction is discovered in the sidelights or numberplate lights system (the tests indicated in the section "Sidelights" have been carried out without a positive outcome).

In this case carry out **test M**.

3. the led does not light up, but a malfunction in the sidelights or numberplate lights system has been discovered.

In this case, first carry out the tests indicated in the section "Sidelights" to restore the correct functioning of the circuit, and then carry out **test M**.

TEST PROCEDURE	RESULT	CORRECTIVE ACTION
<b>M1</b> CHECK FUSE		Carry out <b>step M2</b>
– Check for damage of fuse <b>F15</b> in fusebox <b>G1</b>		Replace the fuse (10A)
<b>M2</b> CHECK CONTROL UNIT		Carry out <b>step M5</b>
– Sidelights led: Disconnect relay <b>I64</b> for example, or a bulb from the sidelights and, with the ignition key engaged, check for an output signal at pin <b>N1</b> of <b>G1</b> (Check Panel control unit <b>N59</b> ) Numberplate lights led: Disconnect a bulb from the numberplate light for example, and with the ignition key engaged, check for an output signal at pin <b>N3</b> of <b>G1</b> (Check Panel control unit <b>N59</b> ).		Carry out <b>step M3</b>
<b>M3</b> CHECK VOLTAGE		Carry out <b>step M4</b>
– With ignition key engaged, verify 12 V at pin <b>O5</b> of <b>G1</b> (Check Panel control unit <b>N59</b> )		Restore wiring between pin <b>D12</b> and pin <b>O5</b> of <b>G1</b> (LTB-RED)
<b>M4</b> CHECK GROUND		Replace the control unit <b>N49</b>
– Verify 0V at pin <b>O1</b> of <b>G1</b> (Check Panel control unit <b>N59</b> )		Restore wiring between pin <b>O1</b> of <b>G1</b> and ground <b>G53b</b> , across the solders and pin <b>A3</b> of connector <b>G99</b> (BLK and BLK- PPL)
<b>M5</b> CHECK DISPLAY		Replace the display <b>C16</b>
– Sidelights led: disconnect relay <b>I64</b> for example or a bulb from the sidelights and, with the ignition key engaged, check for a signal at pin <b>D2</b> of display <b>C16</b> Numberplate lights led: disconnect a bulb from the numberplates light for example, and with the ignition key engaged, check for a signal at pin <b>D1</b> of display <b>C16</b>		Restore wiring between: • sidelights led: pin <b>N1</b> of <b>G1</b> (Check Panel control unit <b>N59</b> ) and pin <b>D2</b> of display <b>C16</b> (YEL-BLK) • numberplate lights led: pin <b>N3</b> of <b>G1</b> (Check Panel control unit <b>N59</b> ) and pin <b>D1</b> of display <b>C16</b> (YEL-BLU)