



SIDE LIGHTS / NO. PLATE LIGHTS

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SIDE LIGHTS / NO. PLATE LIGHTS - Description

The side lights come on when the selector on the left side of the facia is turned to the first position and only work with the key turned to MAR.

They can also be turned on by turning the switch in an anti-clockwise direction (park position). In this case their operation is independent of the position of the ignition switch.

Under these conditions, if the turn signal lever is in the right or left selection position, the parking lights are turned on only on the selected side.

Turning on the side lights also turns on the number plate lights and numerous other interior lights for passenger compartment lighting and instrument & control lighting (these lines are described and illustrated in the diagrams for the components to which they refer).

The circuit is protected by two fuses, one for the right-hand lights, one for the left-hand lights.

A warning light on the instrument panel indicates that the side lights have been turned on.

Operation of the side lights and number plate lights is monitored by the exterior light check device.

The following faults may occur:

- blown bulb
- bulb s.c. to earth or positive

A special light failure warning light on the dashboard comes on for all other faults in the various circuits. This warning light comes on for about 6 seconds when the ignition key is turned to MAR, to indicate it is working properly, then it goes off.

SIDE LIGHTS / NO. PLATE LIGHTS - Functional description

The side lights and parking lights are controlled by the electronic Check device M45 , that receives control signals from the switches and controls the bulbs while also checking the various lines.

The supply for Check device M45 arrives directly from the battery (maxifuse CENTR of B5) at pins 1 and 6 of connector C, via fuse F11 of junction unit B1 .

The supply controlled by the ignition (INT/A) arrives via fuse F1 of junction unit B1 at pin 9 of connector C; pin 7 of connector C is earthed C21 .

When the exterior lights control H6 is in side lights on configuration, contact pin 4 - pin 5, pins 4 and 5 (connector A) of M45 are shortcircuited.

The unit M45 supplies the following side lights:

- from pin 6 (connector D) the left headlamp F10 (pin 3 connector C), or pin 4 connector C for XENON headlamps;
- from pin 4 (connector D) the right headlamp F11 (pin 3 connector C), or pin 4 connector C for XENON headlamps;
- from pin 1 and pin 6 (connector E) number plate lights F50 (left) and F51 (right);
- from pin 2 and pin 12 (connector E), the rear lights F35 (left) and F36 (right), located on the boot;
- from pin 11 and pin 3 (connector E) the fixed rear lights F30 (left) and F31 (right).

The headlamps F10 and F11 are connected to earth C10 and C13 .

The rear lights clusters F30 - F31 - F35 - F36 and number plate lights F50 - F51 are connected to earth C30 .

The unit M45 also manages the side lights in 'park' mode.

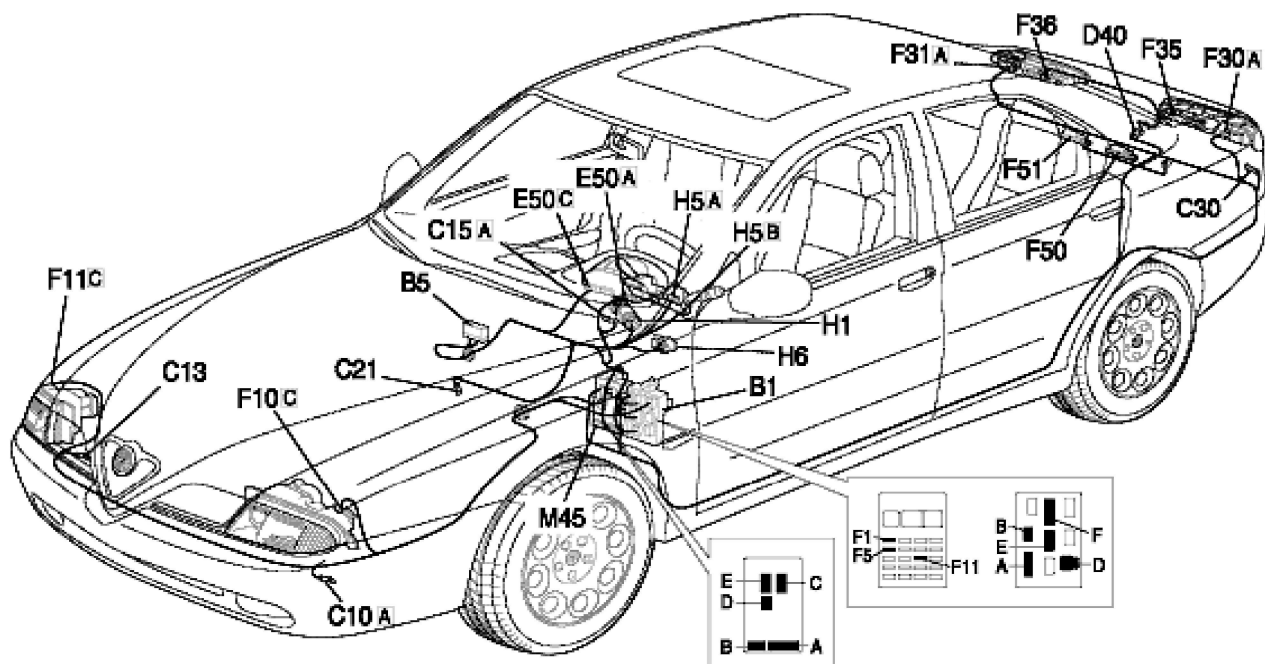
When the exterior lights switch H6 is in the 'park' configuration (contact pin 9-11), pins 13 and 9 of the unit M45 are shortcircuited; the unit supplies the sides lights on the right or left depending on the position of the stalk unit H5 .

When the stalk unit H5 shortcircuits pins 12 and 5 (connector B) of M45 , the latter supplies the side lights on the left; when pins 12 and 4 (connector B) are shortcircuited, M45 supplies the side lights on the right.

From pin 9 of connector B, the unit M45 sends the earth signal to the side lights warning light on the instrument panel E50 (pin 5 connector C), while from pin 6 connector A it sends an earth signal to the 'lights failure' warning light (pin 7 connector C).

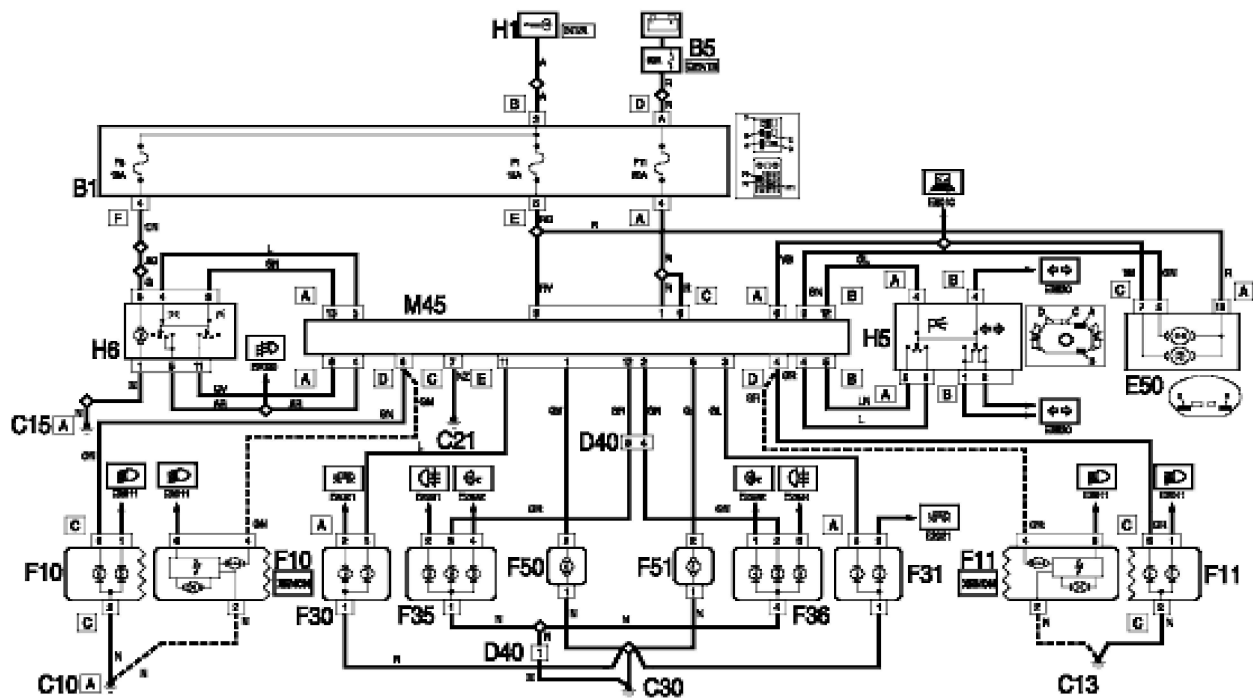
These warning lights are supplied by the I NT/A line on pin 15 of connector A of E50 .

SIDE LIGHTS / NO. PLATE LIGHTS - Location of components



Component code	Name	Assembly reference
B1	Junction unit	5505A
B2	Dashboard junction unit (CPL)	-
B2	Junction unit	-
B2	Junction unit	5505A
B5	MAXI FUSE box	-
B99	Battery fuses junction unit (CBA)	5530B
C10	Front left earth	-
C11	Right front earth	-
C13	Front earth on left side panel	5505A
C15	Facia earth, driver's side	-
C21	Dashboard earth on Air Bag bracket	-
C21	Passenger side dashboard earth	-
C30	Rear left earth	-
C31	Rear right earth	-
D1	Front-dashboard coupling	-
D6	Rear - front coupling	-
D19	Dashboard / battery coupling	-
D20	Dashboard-rear coupling	-
D25	Dashboard-left rear coupling	-
D40	Boot rear connection	-
E50	Instrument panel	-
E50	Instrument panel	5560B
F10	Left headlamp	5540B
F10	Left headlamp	5540B
F11	Right headlamp	5540B
F11	Right headlamp	5540B
F30	Rear left light cluster	5540A
F31	Rear right light cluster	5540A
F35	Right rear light cluster (moving section	5540A
F36	Right rear light cluster (moving section	5540A
F50	Left number plate light	5540A
F51	Right number plate light	5540A
H1	Ignition switch	5520A
H5	Steering column switch unit	5550A
H6	Exterior lights control	5540A
M45	Electronic Check device	-
M45	Electronic Check device	5560C

SIDE LIGHTS / NO. PLATE LIGHTS - Wiring diagram



Component code	Name	Assembly reference
B1	Junction unit	5505A
B2	Dashboard junction unit (CPL)	-
B2	Junction unit	-
B2	Junction unit	5505A
B5	MAXI FUSE box	-
B99	Battery fuses junction unit (CBA)	5530B
C10	Front left earth	-
C11	Right front earth	-
C13	Front earth on left side panel	5505A
C15	Facia earth, driver's side	-
C21	Dashboard earth on Air Bag bracket	-
C21	Passenger side dashboard earth	-
C30	Rear left earth	-
C31	Rear right earth	-
D1	Front-dashboard coupling	-
D6	Rear - front coupling	-
D19	Dashboard / battery coupling	-
D20	Dashboard-rear coupling	-
D25	Dashboard-left rear coupling	-
D40	Boot rear connection	-
E50	Instrument panel	-
E50	Instrument panel	5560B
F10	Left headlamp	5540B
F10	Left headlamp	5540B
F11	Right headlamp	5540B
F11	Right headlamp	5540B
F30	Rear left light cluster	5540A
F31	Rear right light cluster	5540A
F35	Right rear light cluster (moving section	5540A
F36	Right rear light cluster (moving section	5540A
F50	Left number plate light	5540A
F51	Right number plate light	5540A
H1	Ignition switch	5520A
H5	Steering column switch unit	5550A
H6	Exterior lights control	5540A
M45	Electronic Check device	-
M45	Electronic Check device	5560C

