

Rear structure

-Rear lights



Index	Description
1	Tail light
2	Brake light
3	Direction indicator
4	Reversing light
5	Rear fog light
6	Reversing light

The rear lights are integrated into the rear side panels and into the luggage-compartment lid.

The third brake light is secured to the rear window shelf.

It consists of an LED array that can only be replaced as a complete unit. This involves removing the rear window shelf.



Index	Description
1	Third brake light

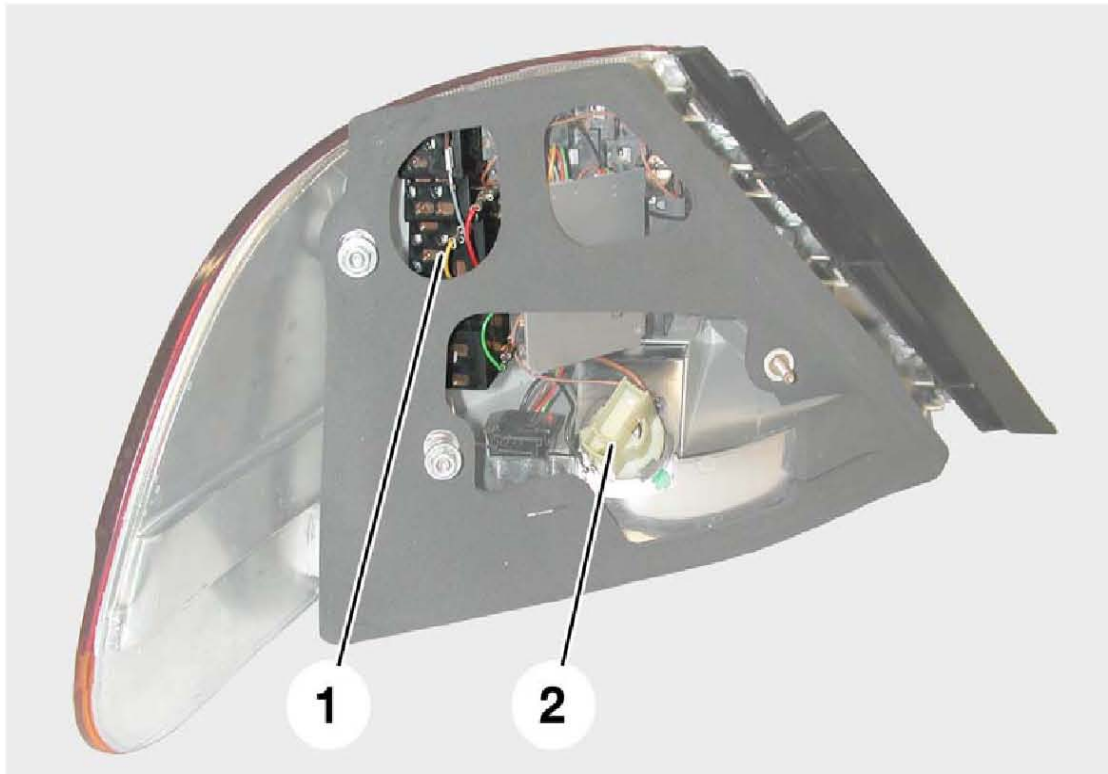
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The main lighting cluster in the rear side panel comprises (from top to bottom):

- Tail light
- Brake light
- Rear reflector
- Direction indicator

Incandescent bulbs are used for the flashing turn indicators. The brake lights and tail lights are lit by LEDs.

At this time, no provision for an emergency function in the event of failure of the brake light is made for the ECE version. In the US version the tail lights light up along with the brake lights when the brakes are applied.



Index	Description
1	LED board for rear light/brake light
2	Flashing turn indicator bulb

acing fl is straightforward.

If a rear light or brake light fails, the entire rear-light cluster has to be removed so that the LED controller can be replaced.

The main lighting cluster in the rear side panel comprises:

- Brake light
- Reversing light
- Turn indicator

Incandescent bulbs are used for the flashing turn indicators. The brake lights and tail lights are lit by LEDs.

The service procedure for replacing flashing turn indicator bulbs is straightforward. If a rear light or brake light fails, the entire rear-light cluster has to be removed so that the LED controller can be replaced.

Rear lights in the luggage-compartment lid

A three-part light array is integrated into the luggage-compartment lid.

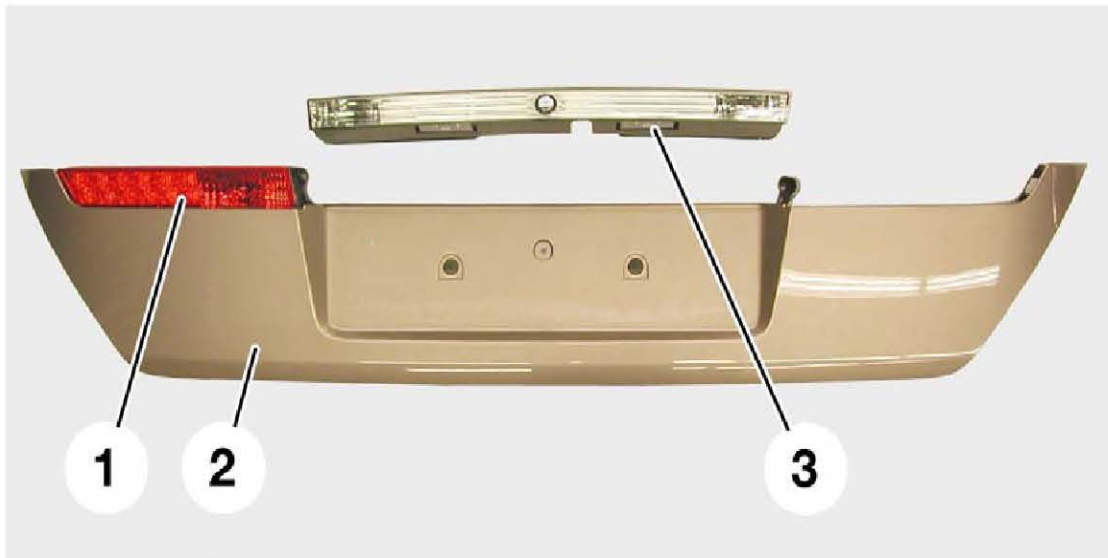


Fig. 47: Rear trim panel with lights

Index	Description
1	Tail light with fog light
2	Rear trim panel
3	Centre section with reversing lights and licence plate lights

These three lights are secured to the rear lid trim panel on the luggage-compartment lid by screws.

They are:

- Tail light and fog light, left
- Reversing lights, left and right, and licence plate lights, left and right

-Tail light and fog light, right

There is a non-reflective design area between the two reversing lights.

The reversing lights, the rear fog lights and the licence plate lights all have incandescent bulbs, whereas the tail lights, like those in the side panels, are LED lights.

The interior trim of the luggage-compartment lid at the light clusters has to be removed to permit the bulbs to be replaced.



Fig. 48: Rear view, lights in the rear lid trim panel

Index	Description
1	Bulb for reversing light
2	LED board, tail light / rear fog light

- Luggage compartment

The luggage compartment of the E65 has a volume of 500 litres. It can accommodate five golf bags inserted crossways, or a set of Samsonite cases (one large suitcase, one medium size and one small).

The control units for navigation computer, video module, radio amplifier, voice input system and telephone are on the left-hand side of the luggage compartment, behind the trim panel.

The control units for the rear luxury seats are in the luggage compartment, behind the seat backrests.

The trim panel on the right-hand side hides the power module compartment lid lift, trailer module, Park Distance Control, rideheight control system and bays for additional control units (such as Passive Access, for example).

The battery is on the right-hand side, beneath the luggage compartment liner; the spare wheel has to be lifted out before the battery can be removed. The spare wheel is located in the centre and has the dimensions of the front wheel. The pump for the ride height control is located under the spare wheel. The aperture for emergency actuation of the parking brake (electromechanical parking brake, EMF) is at the front of the spare-wheel well. The EMF is in the centre above the sparewheel well.

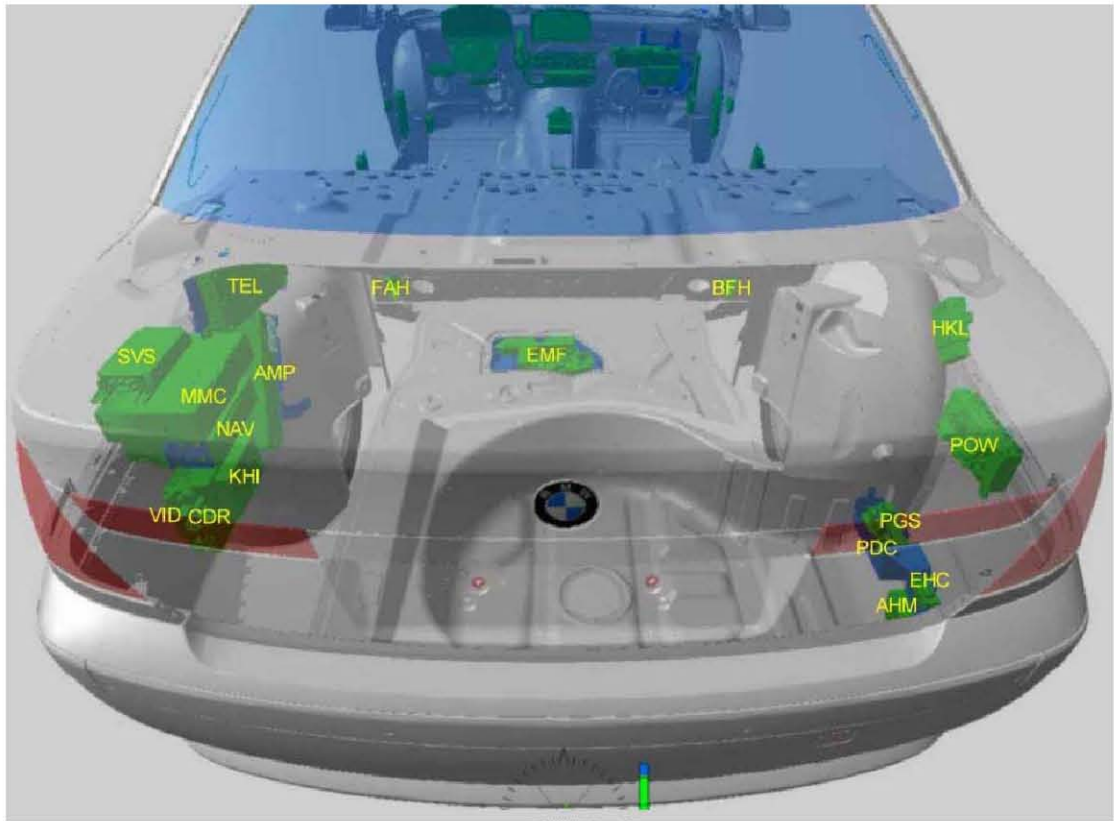


Fig. 49: Overview of control units in tail section

Index	Description
AHM	Trailer module
AMP	Amplifier (radio amplifier)
BFH	BFH Control unit, rear seat, passenger side
CDR	(not applicable)
EHC	Electronic Height Control (ride-height control system)
EMF	Parking brake (electromechanical handbrake)
FAH	Control unit, rear seat, driver's side
HKL	Luggage-compartment lid lift
KHI	Interface for headphones
MMC	MMC Multimedia Changer (planned optional extra)
NAV	Navigation computer
PDC	Park Distance Control
PGS	Passive Go control unit (planned optional extra)
POW	Power module
SVS	Voice processing system
TEL	Telephone control unit
VID	VID Video module

-Rear bumper

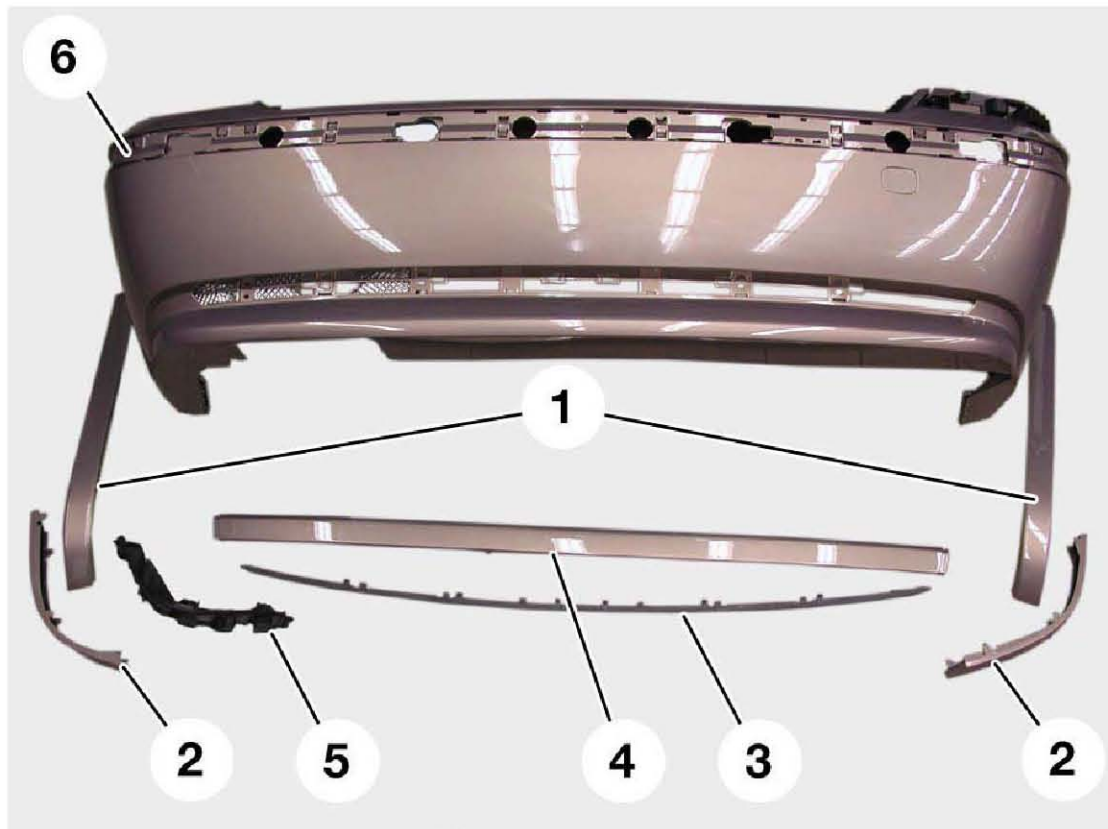


Fig. 50: Rear bumper trim panel

Index	Description
1	Rubbing strip left/right
2	Rubbing strip corner left/right
3	Cover, centre
4	Rubbing strip, centre
5	Reinforcement, left/(right)
6	Panel of bumper

The rear bumper system consists of:

- Aluminium mounting
- Impact absorber, made of foam
- Plastic panel

The E65 does not have impact dampers.

The plastic panel is held in place by threaded fasteners and can be removed without its carrier.

The impact absorbers (foam system) absorb the impact energy and can return to their original shape. An impact up to 15 km/h will not cause structural damage to the body members or the side panels.

"towbar fixture" optional extra is ordered an aperture is cut in the panel and fitted with a removable cover.

The 3-part rubbing strips can be replaced from the outside. The rubbing strip has sleeves to accommodate the PDC sensors, which are finished in the same colour as the car.

The towing lug screws into a tapped hole. The thread is protected by a captive cover set into the bumper panel.

The covers on the left and right wheel arches contribute to improving acoustics help protect against corrosion.

-Luggage compartment lid

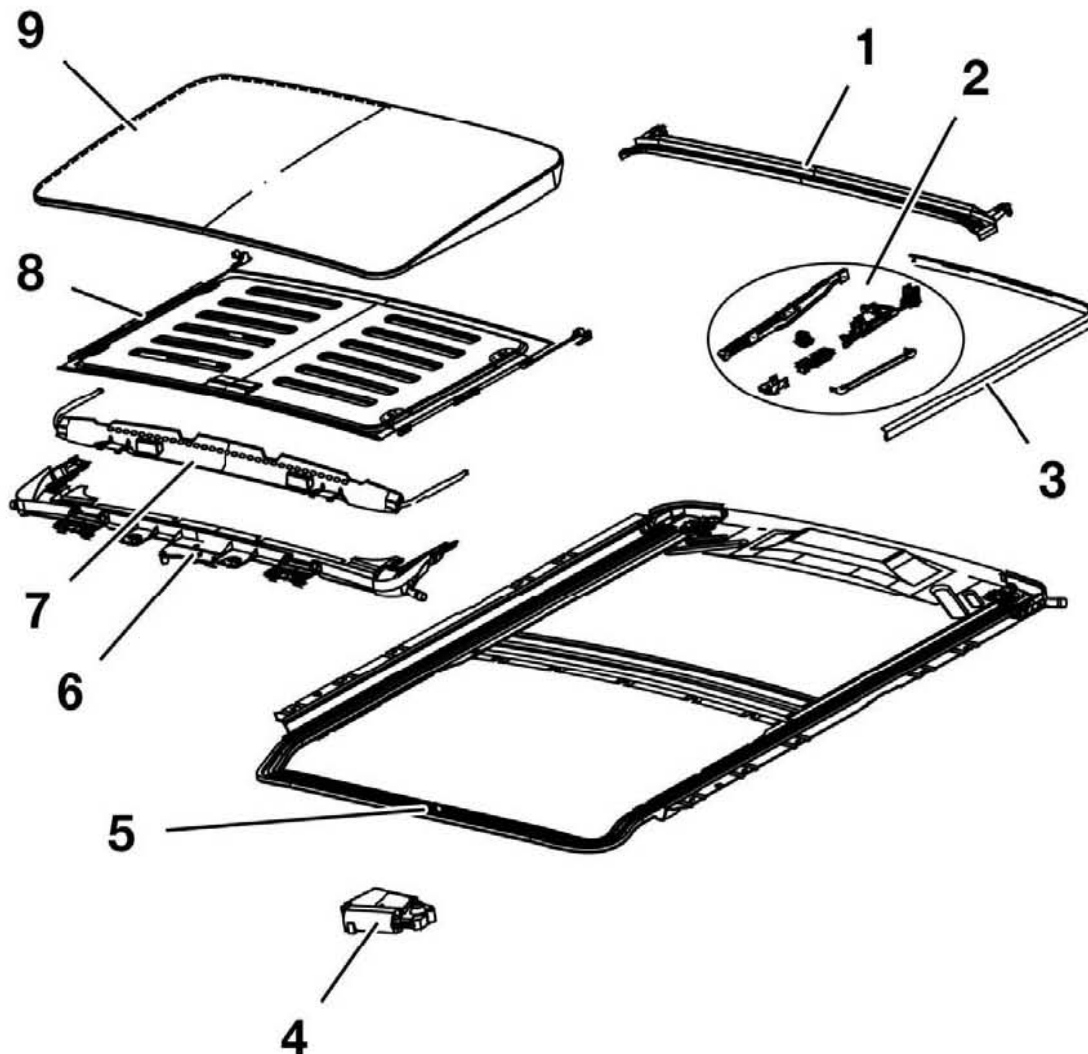
The design of the luggage compartment lid differs radically from that of the E38. A major design feature is that the hinge no longer protrudes into the luggage compartment. The hinge bow moves in a tubular guide, in order to rule out the danger of luggage being damaged



The securing screws are easily accessible, so that the luggage compartment lid can be adjusted. Note, however, that the luggage shelf behind the rear window has to be removed before the hinge bows can be removed.

Sunroof

A glass slide/tilt sunroof is available as an optional extra for the E65.



Index	Index Description
1	Roof gutter
2	Mechanism: small items
3	Edge trim
4	Drive for slide/tilt sunroof with control unit
5	Slide/tilt sunroof cassette
6	Bracket for Bowden cables
7	Wind deflector
8	Floating headliner
9	Glass panel

The structure of the slide/tilt sunroof is similar to that installed in the E38.

The elements that can be removed and installed with the slide/ tilt sunroof console installed are as follows:

- Glass panel
- Floating headliner
- Wind deflector
- Servomotor with control unit
- Roof gutter

The Bowden cables cannot be replaced. If they are defective the entire slide/tilt sunroof console has to be replaced. This means that it is no longer necessary to adjust the Bowden cables. The slide/tilt sunroof console also has to be replaced if the lever mechanism is severely damaged.

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