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E65/E66 Body Update

Introduction

Several production changes were made to the E65 Body and further changes are being introduced beginning with the production of the E66.

Models

The E66 will be launched with the N62 8-cylinder gasoline engine, designated as the 745Li.

The following E66 engine variant is additionally planned:

- 760Li with the N73 12-cylinder gasoline engine, available 9/02.



Dimension Comparison

	E66	E65	E38(Long)	E38
Length (inches)	203.5	198	201.7	196.2
Width (inches)	74.9	74.9	73.3	73.3
Height (inches)	58.7	58.7	56.1	56.5
Wheelbase (inches)	123.2	117.7	120.9	115.4
Weight Distribution Front/Rear %	50.6/49.4	50.4/49.6	50.6/49.4	50.8/49.2
Curb weight in lb.	4464	4376	4288	4255
Track Front/Rear (inches)	62.4/62.6	62.1/62.3	60.9/61.5	60.9/61.5
Aerodynamic Drag (Cd)	0.29	0.29	0.31	0.31
Fuel Capacity	23.3	23.3	22.5	22.5



Body

The E66 is 140 mm longer as compared to the E65. The extra length requires necessary component changes to the body:

- The roof and outer side frame.
- The inner side frame is a component of the E65 that was separated and extended.
- The floor pan, the rear engine support and the transmission support are E66 components that are shortened for the E65.
- The rear doors and inner door panels.
- The rear sills are reinforced by two additional sheet metal panels.
- The side skin of the E66 is welded with double the amount of welds.

Bumpers

Standard on the E66 only is a chrome bumper strip on both the front and rear bumpers.



PDC

Vehicles with the optional Park Distance Control system have the sensors integrated into the bumper and painted in the body color.



Rear Doors

The rear doors on the E66 are 140mm longer than the E65 rear doors.

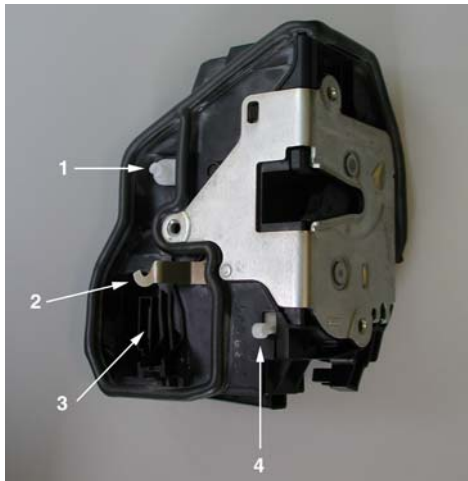
Further identity styling cues for E66 recognition include chrome strips integrated into the door handle assembly. These door handles will only be available on E66.



Door Latch Assembly

Two versions of door latch mechanisms are installed in both the E66 and E65. The L-lock assembly is the basic latch on vehicles without options such as SCA and Comfort Access (available in the future).

The M-lock assembly includes an extra motor for SCA functions and may be fitted with other options. The latch mechanisms are not interchangeable because the electrical connectors are different.



L-Lock



M-Lock

1. Receptacle for release button
2. Cable for inner door handle
3. 8-pin connector
4. Child safety lock (rear door)
5. 6-pin connector
6. SCA
7. Cable for outer door handle

Glass

The E66 is equipped with tempered safety glass (ESG) for all windows except the windshield. The windshield is made of laminated safety glass (VSG).

For the infrared-reflectioning windows (VSG-IR), a solar radiation protection layer is vapor-deposited between the laminated safety glass.

The protective glass does not feature a shatter protection film.

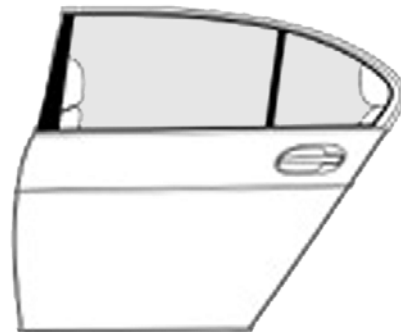
Windshield

Windshields on all E66 vehicles are equipped with the following:

- Rain Sensor
- Anti -Glare Strip (with rain sensor only)
- IR glass with radar window (with anti-glare strip and rain sensor)

Rear Side Windows

The rear door side windows on the E66 are 140mm longer as compared to the E65. The quarter windows remain unchanged from the E65.



Roof Trim

The E66 has chrome moulding on the left and right side of the roof edge.

This makes it possible to easily differentiate between the E65 and E66 at a first glance.

The strip on the E65 is painted in the body color.



Front Door Trim Panel

A fifth screw has been added to the front door trim panel.

The screw is located in the front flange in the direction of the A-pillar (1 to the right).



Assist Handles

The assist handle grips (located on the inner roof liner) on the E66 are trimmed in wood.



Front Seats

The seats in the E66 feature a decorative wood strip clipped on the rear panel of the front seats.

In addition, the rear storage pocket used in the E65 is replaced by a folding pocket in the E66.

In the E66, there is a footwell light fitted under the front seats for the rear footwell.

