

via *BIMMERPOST.com*

Technical training.
Product information.

F30 Introduction



BMW Service

Edited for the U.S. market by:
BMW Group University
Technical Training

ST1113

1/1/2012

General information

Symbols used

The following symbol is used in this document to facilitate better comprehension or to draw attention to very important information:



Contains important safety information and information that needs to be observed strictly in order to guarantee the smooth operation of the system.

Information status and national-market versions

BMW Group vehicles meet the requirements of the highest safety and quality standards. Changes in requirements for environmental protection, customer benefits and design render necessary continuous development of systems and components. Consequently, there may be discrepancies between the contents of this document and the vehicles available in the training course.

This document basically relates to the European version of left-hand drive vehicles. Some operating elements or components are arranged differently in right-hand drive vehicles than shown in the graphics in this document. Further differences may arise as a result of the equipment specification in specific markets or countries.

Additional sources of information

Further information on the individual topics can be found in the following:

- Owner's Handbook
- Integrated Service Technical Application.

Contact: conceptinfo@bmw.de

©2011 BMW AG, Munich, Germany

Reprints of this publication or its parts require the written approval of BMW AG, Munich

The information contained in this document forms an integral part of the technical training of the BMW Group and is intended for the trainer and participants in the seminar. Refer to the latest relevant information systems of the BMW Group for any changes/additions to the technical data.

Information status: **September 2011**
VH-23/International Technical Training

F30 Introduction

Contents.

1. Body	1
1.1. Models	2
1.2. History	2
1.3. New technical features	3
1.4. Dimensions	4
1.5. Weights and load capacities	4
1.6. Silhouette comparison	5
2. Bodyshell	6
2.1. Introduction	6
2.2. Materials	7
3. Doors, Lids and Hatches	10
3.1. Doors	10
3.2. Engine compartment lid	10
3.3. Tailgate	13
4. Exterior Equipment	14
4.1. Front end	14
4.2. Underfloor concept	14
4.3. Sound insulation	15
4.4. Attachments	16
4.4.1. Exterior mirrors	16
4.4.2. Side sills	17
4.4.3. Reversing camera	18
4.5. Glass slide/tilt sunroof	19
5. Interior Equipment	22
5.1. Dimensions	22
5.2. Material and color concept	22
5.2.1. Line package content	25
5.3. Dashboard	26
5.4. Center console	27
5.5. Inside mirror	29
5.6. Storage options	29
5.7. Front seats	30
5.8. Rear seats	33
5.9. Climate control	34
6. Luggage Compartment	36

F30 Introduction

1. Body

The sixth edition of the BMW 3-Series will be launched on the market in February 2012. Each generation of these vehicles combine exceptional sporting character and dynamics, maximum comfort and innovation.

The new BMW 3-Series Sedan also offers a well-balanced harmonious design concept. This sporty Sedan with its confident appearance represents the ultimate driving machine, first-class agility and driving dynamics without making any compromises elsewhere.



BMW F30

TG11-1396

The characteristic BMW proportions, the short overhang at the front, the long wheelbase or the extended engine compartment lid transmit a dynamic image, even when the vehicle is stationary.

The exceptional efficiency offered by BMW engines was even improved once again in the F30. The new engines are characterized by high power and low consumption at the same time.

For the first time in the BMW 3-Series three different equipment packages are being offered, each with their own independent character.

F30 Introduction

1. Body

1.1. Models

The following models are offered by the compact Sedan:

Model	Engine	Power output [kW (HP)]	Torque [Nm]	Displacement [cm ³]
BMW 328i	N20B2000	180 (240)	350	1997
BMW 335i	N55B30M0	225 (300)	400	2979

1.2. History

The first 3-Series BMW was introduced in 1975.

The following is a comparison of the 6th generation 3-series. The data is based on the four-door Sedan (with the exception of the two-door E21).

Explanation	E21	E30/4	E36/4	E46/4	E90	F30 Base model*
Sales period	1975 and 1983	1983 and 1990	1991 and 1998	1997 and 2005	since 2005	From 2012
Vehicle length [mm]	4355	4325	4433	4471	4531	4636
Vehicle width excluding exterior mirrors [mm]	1610	1645	1698	1739	1817	1811
Vehicle height, empty [mm]	1380	1380	1393	1415	1421	1429
Wheelbase [mm]	2563	2570	2700	2725	2760	2810
Front track width, basic wheels [mm]	1388	1407	1418	1481	1500 and 1506	1531 and 1537
Rear track width, basic wheels [mm]	1401	1415	1431	1488	1529 and 1535	1572 and 1578
Vehicle curb weight, base model [kg]	1010	1045	1130	1360	1415	1545
Payload [kg]	400	460	460	425	460	410
Luggage compartment capacity [l] (BMW 335i)	- - -	425	435	440	460 (450)	480
Engines	R4 B R6 B	R4 B R6 B	R4 B R6 B	R4 B R6 B	R4 B R6 B	R4 B R6 B

F30 Introduction

1. Body

Explanation	E21	E30/4	E36/4	E46/4	E90	F30 Base model*
Cubic capacity [cm ³]	1573 and 2315	1596 and 2495	1596 and 2793	1796 and 2993	1995 and 2996	1995 and 2979
Engine performance, gasoline [kW]	75 and 143	90 and 170	100 and 192	105 and 231	125 and 225	180 and 225
0–100 km/h [s] 0–62 mph	14.8 and 10.6	15.8 and 6.9	12.9 and 7.3	12.4 and 5.7	9.3 and 5.6	8.1 and 5.5
Average consumption [l/100 km]	13.5 and 11.0	12.2 and 6.9	9.5 and 7.8	9.0 and 6.5	8.7 and 4.1	7.9 and 4.1
Maximum speed [km/h]	154 and 190	165 and 218	191 and 236	200 and 250	210 and 250	210 and 250

1.3. New technical features

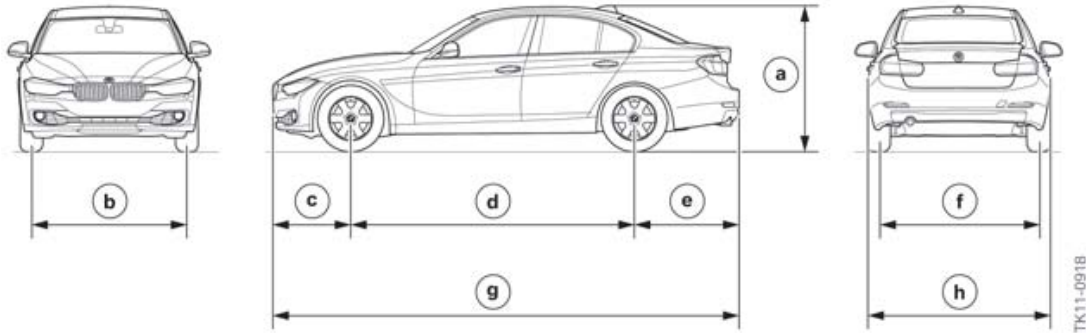
Of the many components which have been altered or newly developed, the following must be mentioned in particular:

- Door hinges
- Engine compartment lid catches
- Underbody panelling
- Side repeaters
- Side sills
- Inside mirror
- Seats.

F30 Introduction

1. Body

1.4. Dimensions



F30 overall dimensions

Index	Explanation		F30*	E90
a	Vehicle height, empty	[mm]	1429	1421
b	Front track width, basic wheels	[mm]	1531	1506
c	Front overhang	[mm]	788	767
d	Wheelbase	[mm]	2810	2760
e	Rear overhang	[mm]	1038	1014
f	Rear track width, basic wheels	[mm]	1572	1535
g	Vehicle length	[mm]	4636	4541
h	Width excluding exterior mirrors (vehicle width with exterior mirror)	[mm]	1811 (2031)	1817 (1989)

1.5. Weights and load capacities

Model		curb weight (DIN) (manual gearbox) F30	curb weight (DIN) (automatic transmission) F30	Load capacity F30
BMW 328i	kg/ lbs	1545/3406	1570/3461	410/904
BMW 335i	kg/ lbs	1620/3571	1630/3594	410/904

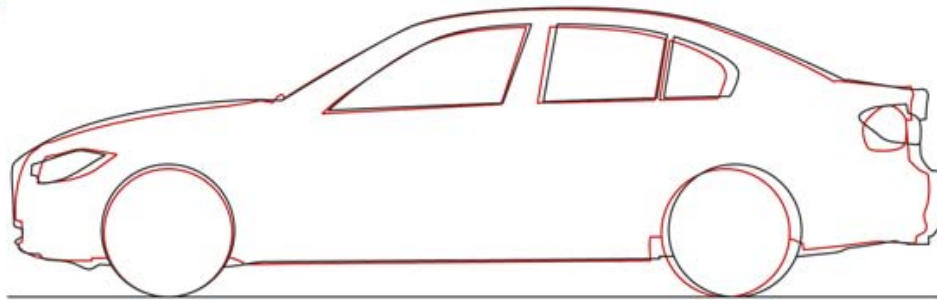
Through the 10 mm forward shift of the front axle while retaining the engine mount, an even more reasonable axle-load distribution was able to be achieved (between 50 and 56% for all load statuses).

F30 Introduction

1. Body

1.6. Silhouette comparison

F30
E90

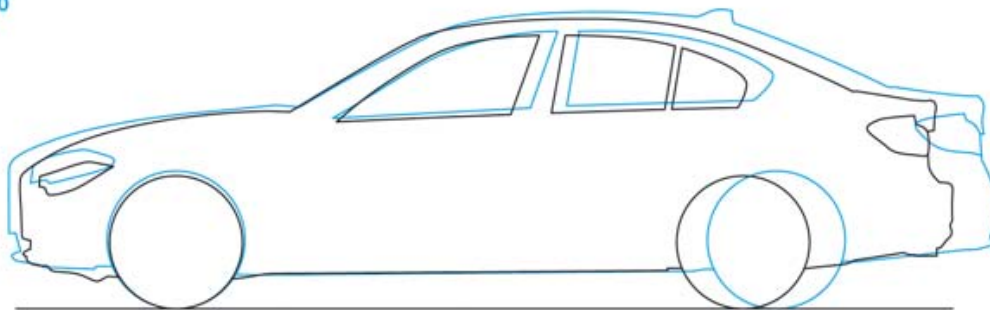


TK11-0919

F30 Silhouette comparison with BMW E90

		F30*	E90
Vehicle height, empty	[mm]	1429	1421
Front overhang	[mm]	788	767
Wheelbase	[mm]	2810	2760
Rear overhang	[mm]	1038	1014
Vehicle length	[mm]	4636	4541

F30
F10



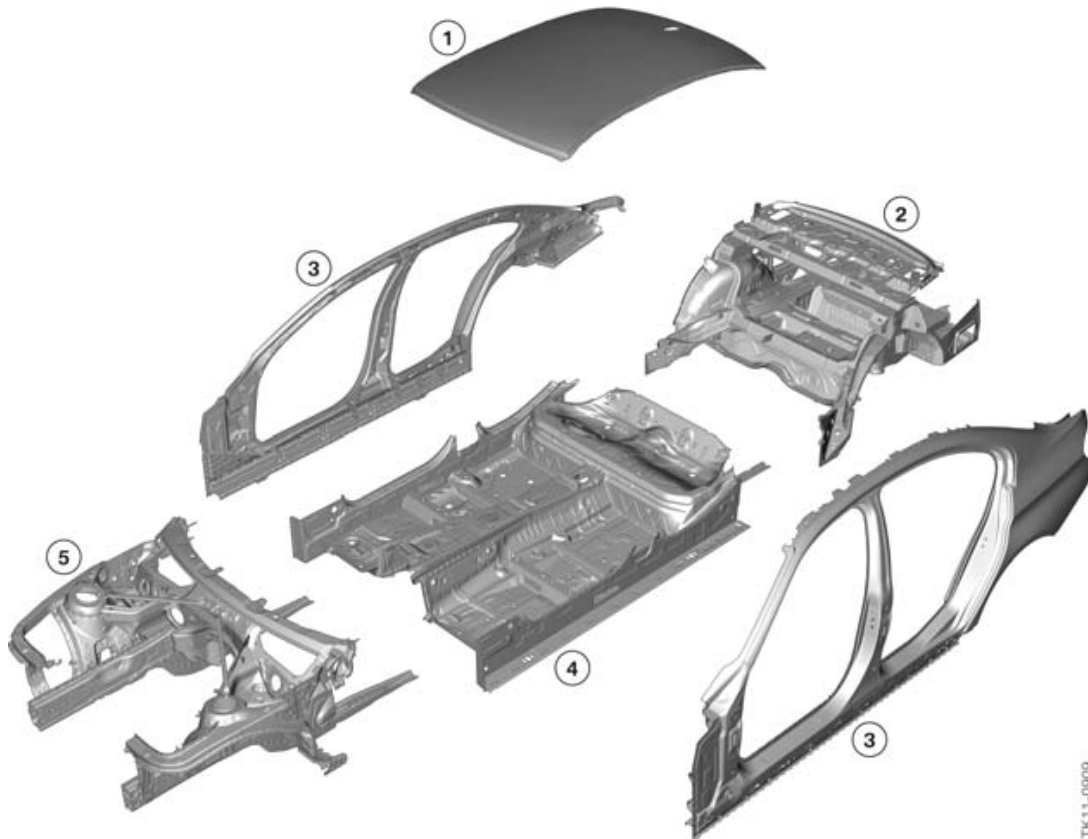
TK11-0920

F30 Silhouette comparison with BMW F10

		F30*	F10
Vehicle height, empty	[mm]	1429	1464
Front overhang	[mm]	788	832
Wheelbase	[mm]	2810	2968
Rear overhang	[mm]	1038	1099
Vehicle length	[mm]	4636	4899

F30 Introduction

2. Bodyshell



TK11-0909

F30 bodyshell

Index	Explanation
1	Roof
2	Rear end
3	Side frame
4	Floor assembly
5	Front end with bulkhead

2.1. Introduction

For the F30, great importance was attached to construction with lightweight materials. This is achieved with the targeted application of higher-strength multi-phase steels and super-strength hot-formed steels. The F30 sees an increase in the average strength of its body materials of 10% compared with the E90.

The construction with lightweight materials makes a decisive contribution to reducing the vehicle weight. In conjunction with a rigid design of the bodyshell, it makes a significant contribution to

F30 Introduction

2. Bodyshell

- Driving dynamics
- Reduction of the fuel consumption
- Reducing CO₂ emissions
- Passive safety.

Special features

- High proportion of multi-phase steels (14% of the bodyshell weight)
- High proportion of hot-formed steels (3% of the bodyshell weight).

The higher-strength multi-phase steels and super-strength hot-formed steels ensure maximum safety of the passenger safety cell with low weight. They therefore make a huge contribution to passive safety.

The reinforcements of the B-pillars of the F30 are manufactured from tailored blanks with hot-formed steels.

Tailored blanks are tailor-made printed circuit boards made from sheet steel. Single sheets of varying thickness, strength and surface coating are joined together by laser welding. This prefabricated semi-finished product is then formed to the desired component.

Stronger material is used at places with a higher load. The clever use of material lowers manufacturing costs as the high-quality and expensive materials are only used where necessary. Thanks to the use of customized steel solutions additional reinforcements and overlap connections at the body are superfluous. This saves material and the total weight is reduced further.

With hot-formed steels, an innovative new development – passive corrosion-proofing – is used. In the past, there were no suitable hot-formed sheet metal materials with galvanized corrosion-proofing available on the market. With the development of press-hardening technology, however, there is now a process of manufacturing galvanized hot-formed components that is capable of application in volume production.

It involves initially cold-forming galvanized sheet steel and then heating it to approx. 900 °C. Immediately afterwards it is cooled directly in the moulding die with integrated water cooling within just a few seconds down to approximately 70 °C and thereby hardened. That process gives the components a minimum yield strength of well over 1000 MPa.

The parts produced in that way can be used in areas exposed to moisture without suffering corrosion of the basic material. This type of steel does not therefore require any additional corrosion-proofing measures.

2.2. Materials

A modern vehicle body must meet a great many requirements. Despite small outer dimensions, it should provide an interior that is as large as possible. In the event of an accident, the passengers must be protected against injury as well as possible. The torque that is generated also means that all units, e.g. the engine and transmission, rely on the body for support. Furthermore, the body must have high static and above all dynamic strength in order to guarantee the outstanding driving characteristics that are typical of BMW.

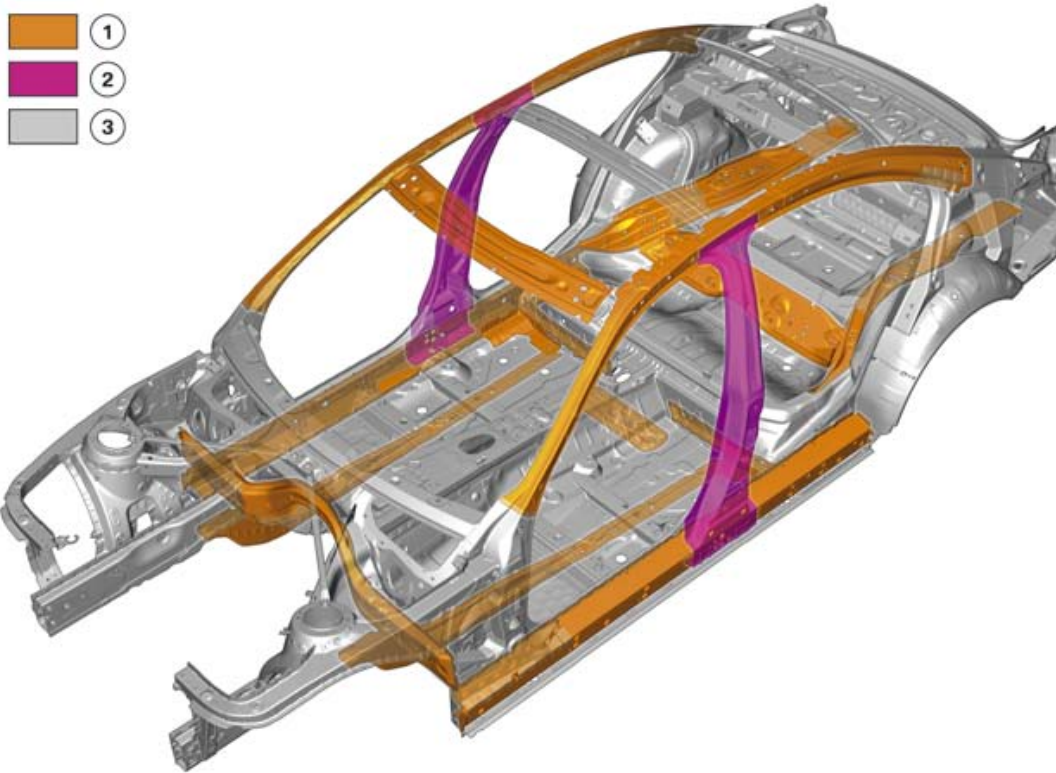
F30 Introduction

2. Bodyshell

Last but not least, the supporting structure of the vehicle must be highly durable and, in the event of an accident, it must be possible for repairs to be carried out at a reasonable cost and without an excessive amount of work.

In order to meet all of these requirements, BMW pursues the strategy of creating each component from the material best suited for its function.

The term steel is merely the generic term for the large number of alloys with very different properties that are deployed.



F30 material grades for bodyshell

Index	Explanation
1	Multi-phase steels (> 300 MPa)
2	Hot-formed steels (> 900 MPa)
3	Other steels (< 300 MPa)

Multi-phase steels are steels where the structure consists of a number of phases. Higher-strength multi-phase steels with a yield strength $R_{p0.2}$ of 300 to 600 MPa are, for example, dual-phase steels or TRIP steels. Super-strength multi-phase steels with a yield strength $R_{p0.2}$ in excess of 600 MPa are, for example, complex-phase steels or martensitic-phase steels.

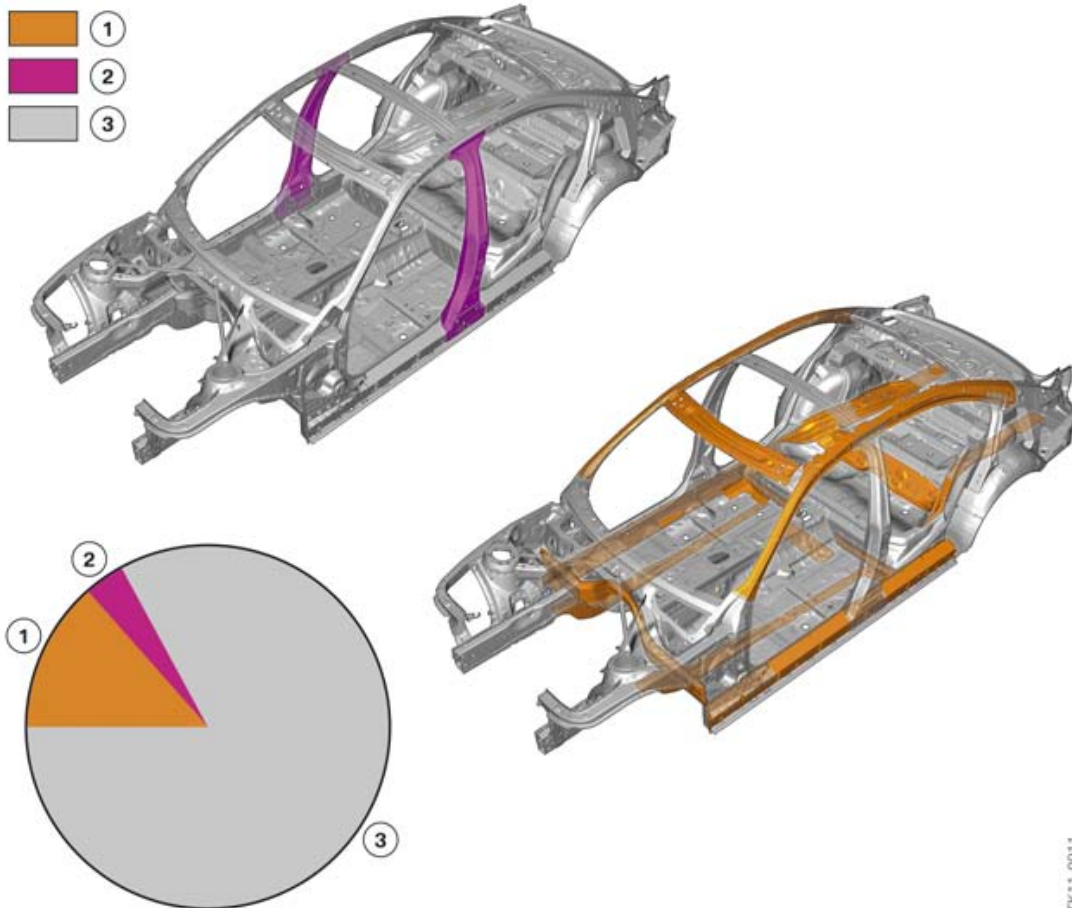
Hot-formed manganese-boron steels are super-strength steels with a yield strength $R_{p0.2}$ in excess of 900 MPa.

F30 Introduction

2. Bodyshell

Weight proportions

In order to reduce the vehicle weight and still ensure maximum strength of the bodyshell, the proportion of higher/super-strength multi-phase steels and super-strength hot-formed steels is growing.



F30 bodyshell, distribution of material grades

TK11-0911

Index	Explanation
1	Multi-phase steels (> 300 MPa), proportion 14%
2	Hot-formed steels (> 900 MPa), proportion 3%
3	Other steels (< 300 MPa), proportion 83%

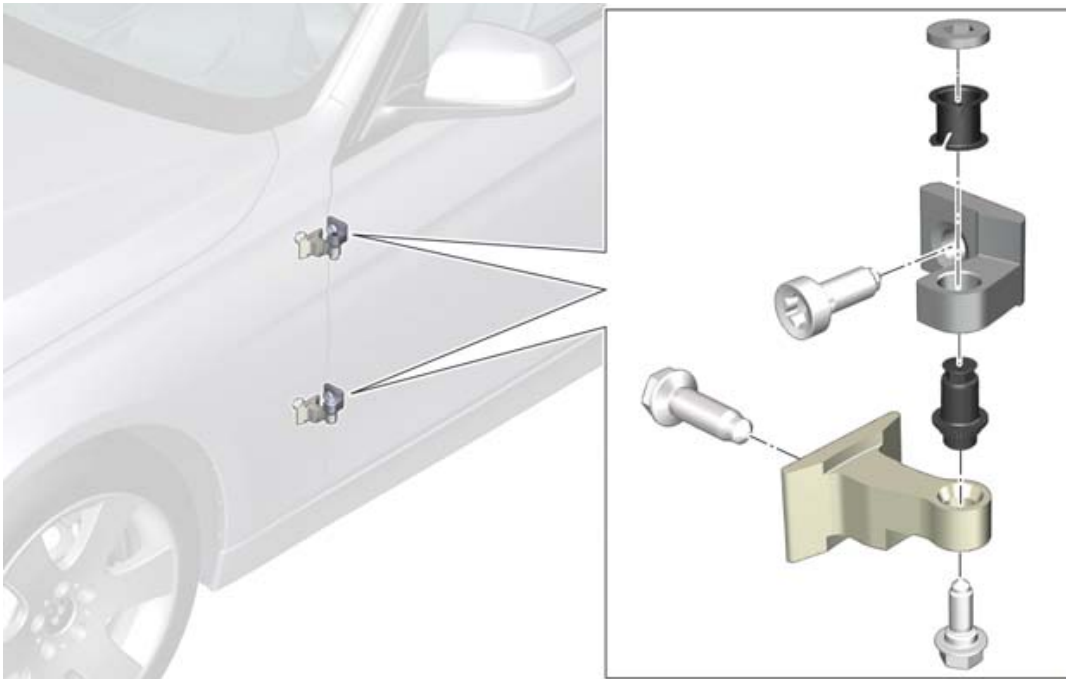
F30 Introduction

3. Doors, Lids and Hatches

In addition to the bodyshell, all doors and flaps for the F30 are also made from steel.

3.1. Doors

The door hinges which are secured to both the door and the A- or B-pillar with one screw in each case are used in the F30. Previously the door hinges were welded to the A- or B-pillar and secured to the door with two screws in each case.



F30 door hinge

3.2. Engine compartment lid

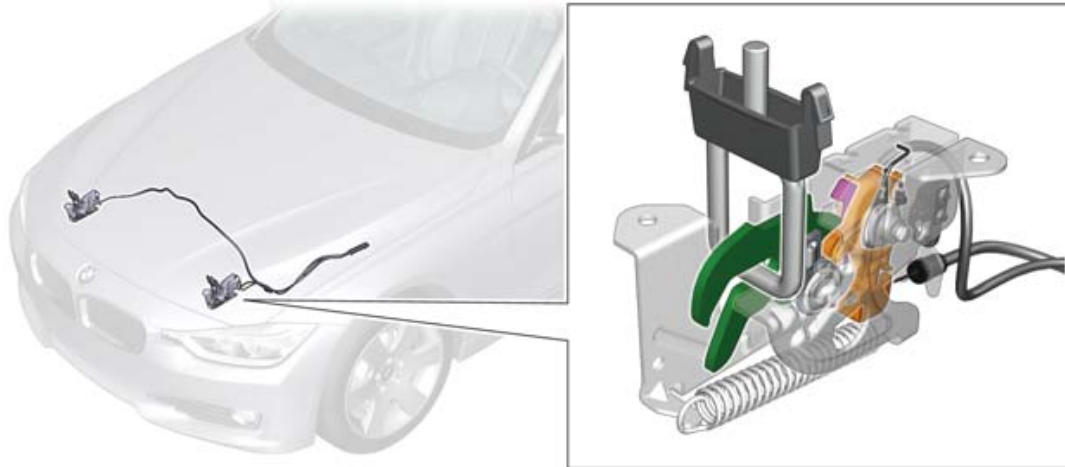
The F30 is also equipped with a comfort opening for the engine compartment lid. The engine compartment lid can be unlocked completely from the passenger compartment by means of new, two-stroke engine compartment lid catches. The engine compartment lid release lever must be actuated twice in succession for this purpose.

Advantages

- A release lever does not have to be searched for and actuated at the front of the car
- Safety is increased by the use of two retaining hooks
- There is no risk of injury on exposed retaining hooks.

F30 Introduction

3. Doors, Lids and Hatches



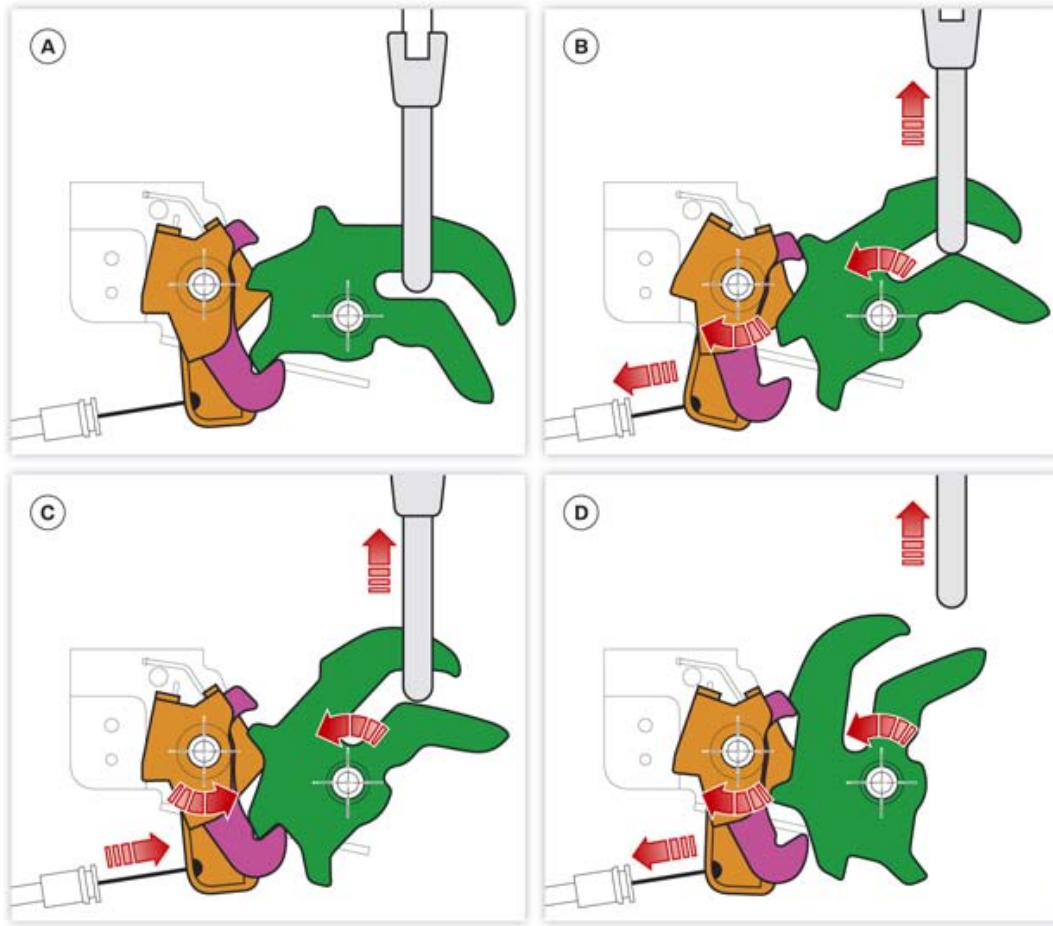
F30 engine compartment lid, engine compartment lid catch

When the engine compartment lid release lever is activated for the first time, this moves the two engine compartment lid catches into the preliminary detent. The engine compartment lid springs upwards by one stage. When the engine compartment lid release lever is released, the engine compartment lid catches are moved into the retaining hook position.

When the engine compartment lid release lever is actuated again, the engine compartment lid is unlocked completely and can be opened by simple lifting.

F30 Introduction

3. Doors, Lids and Hatches



F30 engine compartment lid catch

Index	Explanation	Position of engine compartment lid release lever
A	Engine compartment lid closed and locked	Not actuated
B	Preliminary detent	Applied
C	Striker in retaining hook position	Applied and released again
D	Engine compartment lid completely unlocked	Applied, released and applied again

If the engine compartment lid is not completely locked, a Check Control message is displayed while the engine is running.

F30 Introduction

3. Doors, Lids and Hatches

3.3. Tailgate

The tailgate opens automatically when it is actuated via the remote key or the ID transmitter or the button on the tailgate. Depending on the vehicle equipment it can also be actuated with the tailgate push-button on the A-pillar or contactless by means of targeted foot movement.



F30 tailgate

The single-joint hinges open automatically in the open position with help of two tension springs and a gas spring damping action. The payload is thus not damaged, the hinge brackets run behind the luggage compartment trim panel. An additional cover ensures a high-quality visible impression and conceals the wiring harness installation arrangement.

The contactless rear lid opening is installed in vehicles with optional equipment "Comfort Access including Smart Opener" (option 322). It is an additional operating element for the tailgate for the customer. The operation is effected by means of targeted foot movement to and back from the bumper. Two sensors identify the movement via a capacitive measurement in a contactless manner.

Further information on the contactless rear lid opening can be found in the training manual "F30 General Vehicle Electrical System".

F30 Introduction

4. Exterior Equipment

4.1. Front end

The front end of the F30 can be removed completely. It consists of the bumper, the bumper support, the ornamental grille, the lights and trim panels, among others.



It is imperative that the repair instructions are followed when removing and refitting the front end.



F30 Bumper support

The bumper support of the F30 is made from aluminium thus saving on weight compared to a steel version.

4.2. Underfloor concept

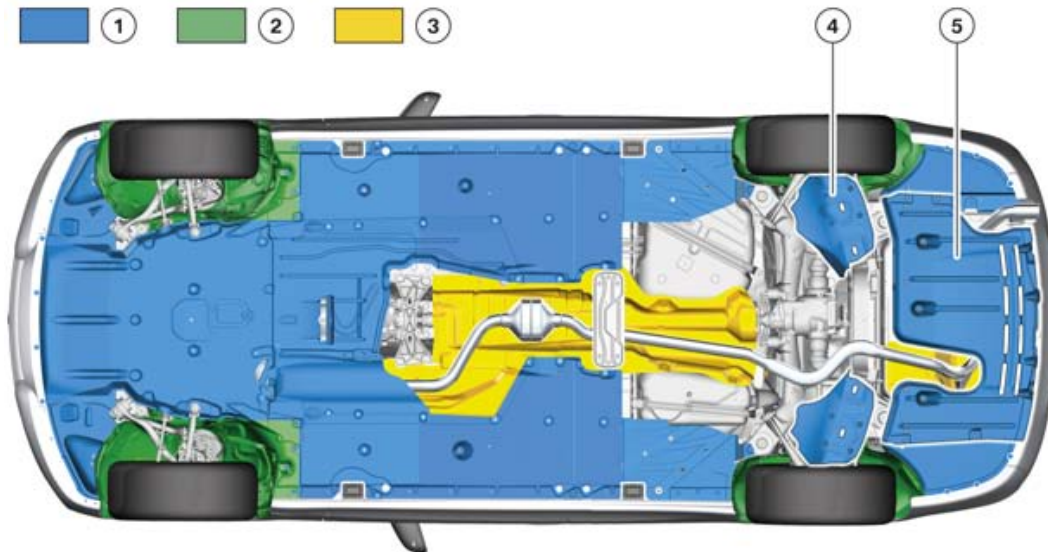
The virtually smooth underbody throughout reduces drag and lift forces. This improves driving dynamics, reduces fuel consumption and thereby reduces CO₂ emissions.

Strategically placed air inlets provide for optimum component cooling. The underbody panelling also improve the acoustics and protect the lines and other components against stone chipping and dirt contamination. In this way, body and components are protected against corrosion.

The aerodynamic covers on the rear axle are new in the F30. These features reduce the rear axle lift, improve the drag and provide protection against stone chipping.

F30 Introduction

4. Exterior Equipment



F30 Underbody panelling

Index	Explanation
1	Underbody panelling
2	Wheel arch panel
3	Heat insulation
4	Aerodynamic cover on the rear axle
5	Diffuser cover (for vehicles with N47 engine) (not US)



Changes and damage to the underbody or omitting trim panel components leads to changes in the air flow at the underbody. This can influence road grip.

4.3. Sound insulation

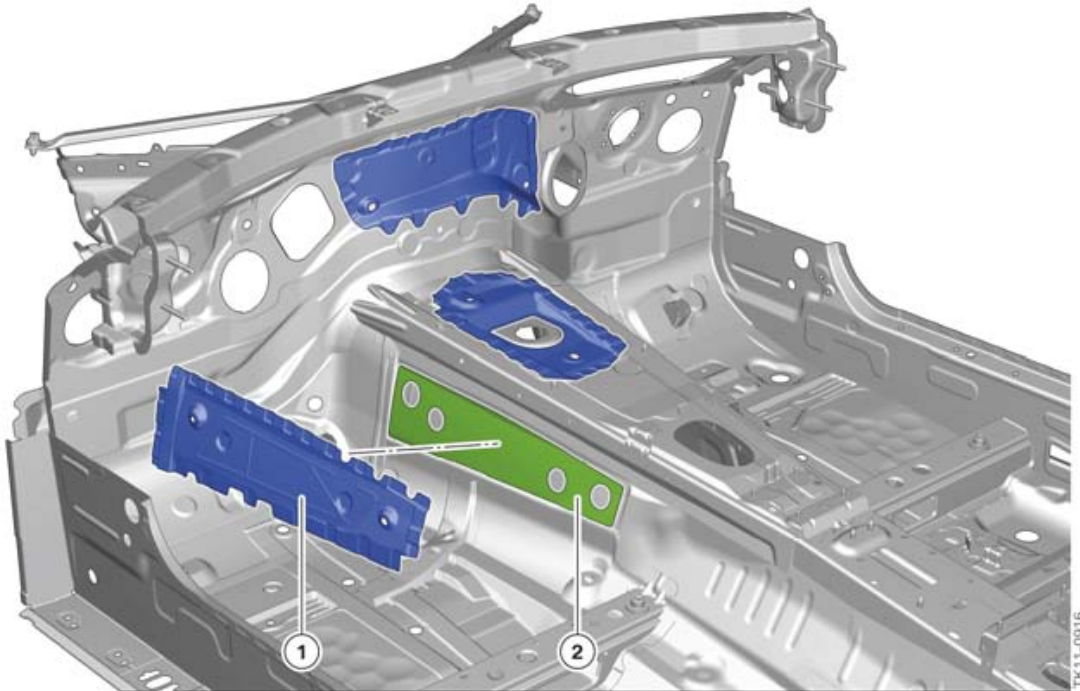
Sound insulation has a major impact on passenger compartment acoustics. A heightened use of weight is usually required to achieve a high insulating effect against the noises radiated by the drive-train components.

In order to keep this increase in weight as low as possible, a new and efficient sound insulation concept is used in the F30 in the area of the transmission tunnel and the bulkhead. This combines high sheet area stiffness with high damping action and simultaneously high fundamental damping.

Here sandwich sheets are specifically connected to each other by means of damping compound.

F30 Introduction

4. Exterior Equipment



F30 sound insulation concept

Index	Explanation
1	Steel sheet
2	Damping compound

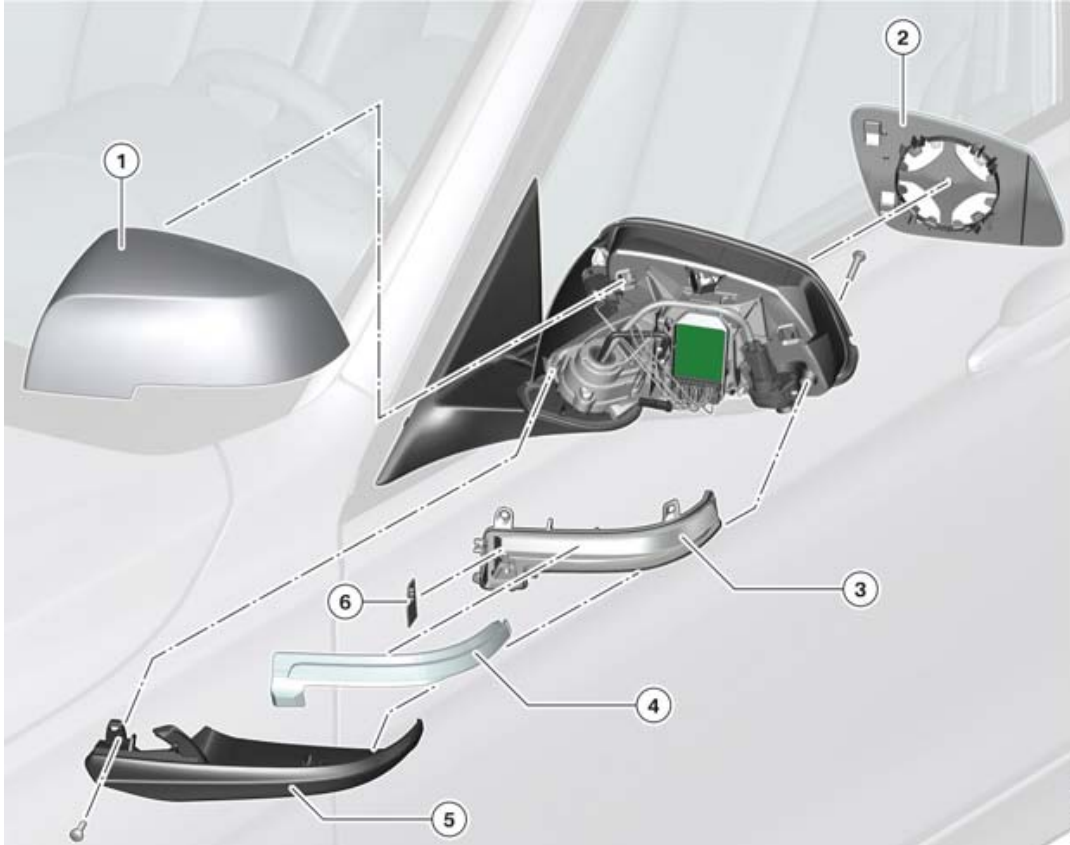
4.4. Attachments

4.4.1. Exterior mirrors

The side repeaters required by law which are now integrated for the first time by BMW in the F30 in the exterior mirrors. They increase road safety. The side repeaters are now omitted from the side panels.

F30 Introduction

4. Exterior Equipment



F30 exterior mirror

Index	Explanation
1	Mirror cap
2	Mirror glass
3	Flasher housing
4	Fiber-optic conductor
5	Mirror housing
6	LED module

The side repeaters are each operated with three LEDs and one Fiber-optic conductor. This improves visibility to other road users.

4.4.2. Side sills

The two side sills of the F30 are screwed to the underbody and inserted at the top into four retaining strips in each case.

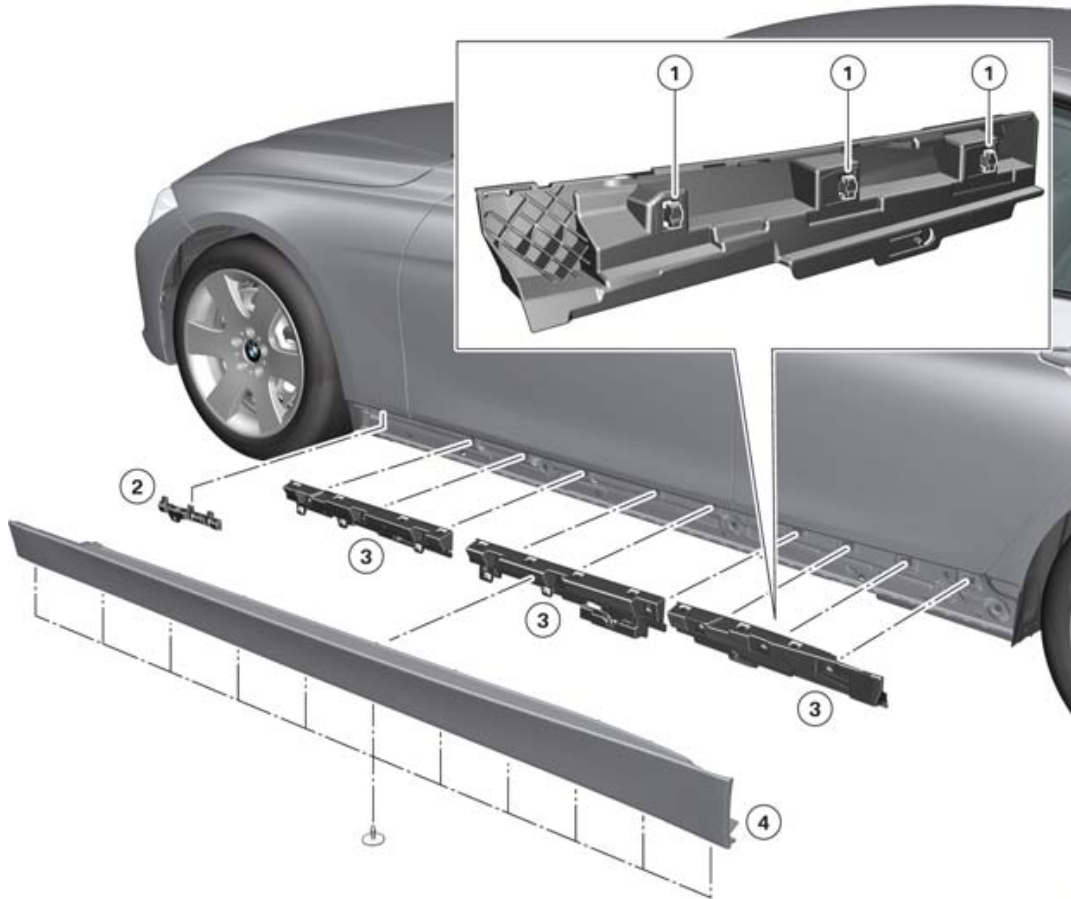
The front retaining strips are attached from below to either side panel.

F30 Introduction

4. Exterior Equipment

The remaining retaining strips are secured with dovetail guides to the outer side frames. To remove them, they must be slid towards the rear and then removed.

Additional retaining elements are no longer needed.



F30 side sill

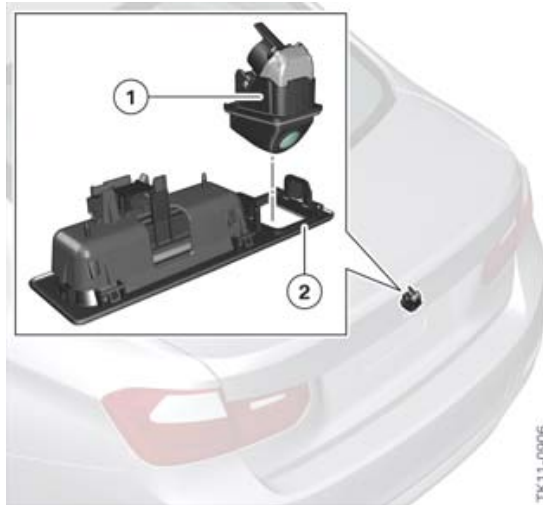
Index	Explanation
1	Dovetail guide
2	Retaining strip, front
3	Retaining strip
4	Side sills

4.4.3. Reversing camera

In the F30 a reversing camera (option 3AG) can be ordered. The reversing camera is fitted with a holder and is hardly visible beside the tailgate push-button.

F30 Introduction

4. Exterior Equipment



F30 reversing camera

Index	Explanation
1	Reversing camera
2	Tailgate push-button

For further information on the reversing camera, please refer to the “F30 Driver Assistance Systems” production information.

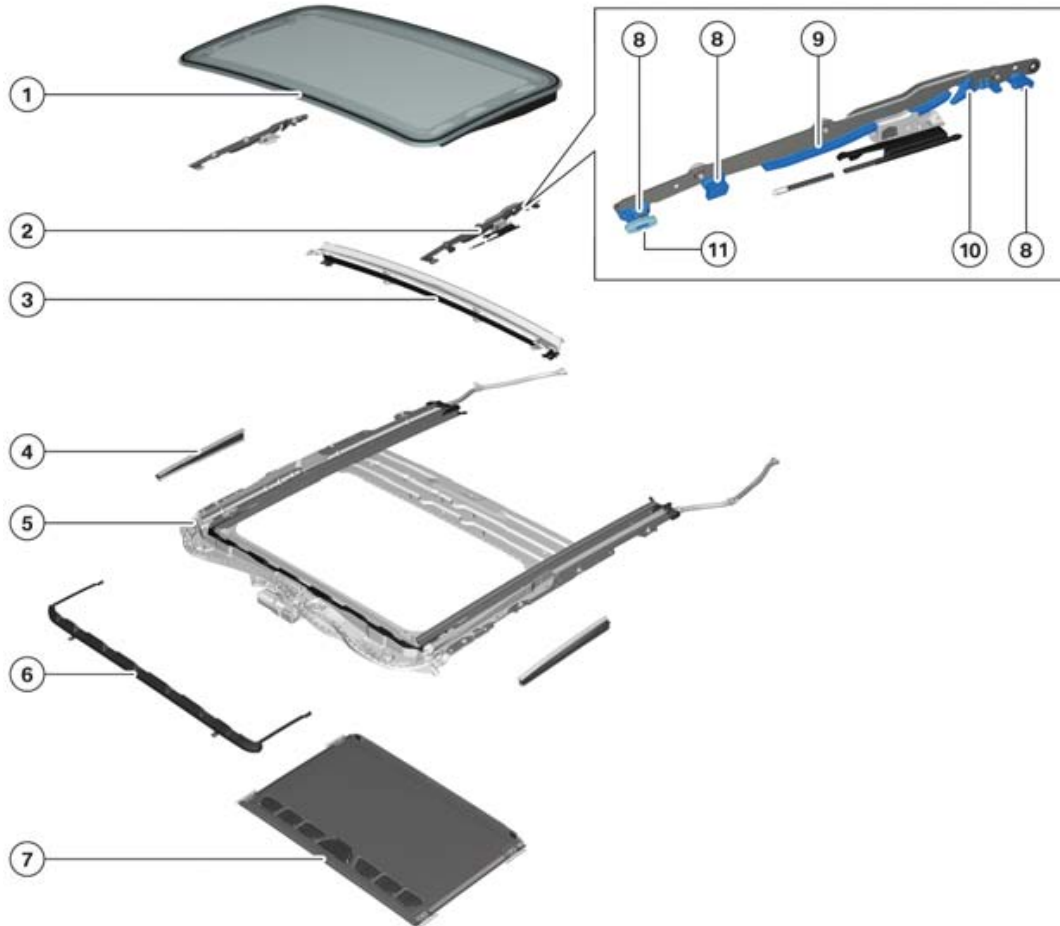
4.5. Glass slide/tilt sunroof

The glass slide/tilt sunroof of the F30 is characterized by optimum sound insulation when closed. The sliding head liner can be operated by hand. Convenience operation consists of vent position and opening and closing of the glass slide/tilt sunroof cover.

The glass slide/tilt sunroof is equipped with an integrated anti-trap mechanism.

F30 Introduction

4. Exterior Equipment



F30 glass slide/tilt sunroof

TK11-0904

Index	Explanation
1	Glass slide/tilt sunroof cover
2	Slide/tilt sunroof mechanism
3	Water channel
4	Gaiter
5	Slide/tilt sunroof frame with slide/tilt sunroof drive
6	Wind deflector
7	Sliding head liner

F30 Introduction

4. Exterior Equipment

Index	Explanation
8	Slider
9	Gate, front
10	Gate, rear
11	Guide

F30 Introduction

5. Interior Equipment

5.1. Dimensions

Above all, the headroom and legroom in the rear passenger compartment have been increased in the F30.

		F30*	E90
Shoulder room, front	[mm]	1400	1408
Shoulder room, rear	[mm]	1400	1399
Elbow room, front	[mm]	1451	1460
Elbow room, rear	[mm]	1458	1454
Maximum headroom, front - without glass slide/tilt sunroof	[mm]	1023	978
Maximum headroom, front - with glass slide/tilt sunroof	[mm]	992	949
Maximum headroom, rear - without glass slide/tilt sunroof	[mm]	957	953
Maximum headroom, rear - with glass slide/tilt sunroof	[mm]	950	942
Front footwell	[mm]	1068	1054
Rear footwell	[mm]	892	881
Luggage compartment volume	[liters]	480	460 ¹

¹ BMW 335i: 450 liters.

To improve the entrance in the rear passenger compartment, the following changes have been made in comparison to the E90:

- the door opening angle of the rear doors has been increased 5.5° to 70°
- the entrance height to the roof edge has been increased by approx. 10 mm
- the B-pillar trim panels have been flattened
- the outer contours of the seat bench have been flattened at the side and rounded at the front
- the width of the door sill has been reduced by 14 mm
- the foot entry freedom between B-pillar and heel panel has been increased 18 mm
- the seat distance between front and rear has been increased 16 mm.

5.2. Material and color concept

In addition to the comprehensive offering of optional equipment, the F30 can also be individualized with the following equipment packages:

- BMW Sport Line (ZSL)
- BMW Modern Line (ZML)
- BMW Luxury Line (ZLL).

The equipment packages contain both general optional equipment and line-specific features.

F30 Introduction

5. Interior Equipment

The content of the equipment packages is partly binding. Individual elements cannot be deselected, creating an excellent price/performance ratio.



F30 Lines, exterior

F30 Introduction

5. Interior Equipment



F30 Lines, interior

F30 Introduction

5. Interior Equipment

5.2.1. Line package content

Sport Line	Luxury Line	Modern Line
Option 2A5 18" light alloy wheels Double spoke 397	Option 2H2 18" light alloy wheels Multi spoke 416	Option 2P5 18" light alloy wheels Turbine 415
Sports leather steering wheel	Sports leather steering wheel	Sports leather steering wheel
Black Leatherette, or Leather grey/black or red/black or black/red	Black Leather, Beige or Brown	Leather Dakota (oyster/oyster or anthracite/black)
Black high-gloss interior trim finishers with coral red accen- tuation strip, matt	Fine-wood trim "Fineline" an- thracite with accentuation trim in pearl-effect chrome	Interior trim finishers "Pearl" with accentuation trim in pearl-effect chrome
Sports seats for driver and front passenger	Standard	Standard

Scope controlled by package

Sport Line	Luxury Line	Modern Line
Front and rear bumpers, air in- lets in Lines-specific design in black high-gloss	Front and rear bumpers, air in- lets in Lines-specific design in chrome	Front and rear bumpers, air in- lets in Lines-specific design in matt chrome
Exclusively designed radiator grille in black high-gloss	Exclusively designed radiator grille in chrome	Exclusively designed radiator grille in matt chrome
Tailpipe design in black chrome	Tailpipe design in chrome	Tailpipe design in matt chrome
B-pillar in black high-gloss	B-pillar in black high-gloss	B-pillar in black high-gloss
"Sport" lettering	"Luxury" lettering	"Modern" lettering
Sill trim "BMW Sport"	Sill trim "BMW Luxury"	Sill trim "BMW Modern"
Exclusive red trim seams for steering wheel and seats	Enhanced interior color nut brown (only in connection with exclusive nut brown leather)	Sports steering wheel and mounting in exclusive light color
Ambient lighting including ColorSwitch	Ambient lighting including ColorSwitch	Ambient lighting including ColorSwitch
Chrome frame for A/C and ra- dio control panel	Chrome frame for A/C and ra- dio control panel	Chrome frame for A/C and ra- dio control panel
Key in "Sport" design	Key in "Luxury" design	Key in "Modern" design
Instrument cluster with sporty design elements	Chrome link in the center con- sole	Instrument cluster with exclu- sive design elements
Mirror caps available in plain black, solid paint (option 3BE)	Side window graphic in chrome	

F30 Introduction

5. Interior Equipment

5.3. Dashboard

The upper part of the dashboard is black in the basic version and for the BMW Modern Line (PA 7S1) dark oyster. The surface is coated with a PUR spray (PUR = polyurethane) and has a F30-specific grain.

A different Central Information Display (CID) is installed, depending on the vehicle equipment specification:

- CID with 6.5" screen in the basic version
- CID with 8.8" screen diagonal for Professional navigation system (option 609).

For vehicles with basic equipment a black high-gloss link is installed around the CID.



F30 CID with 6.5" screen diagonal

In vehicles with Professional navigation system (option 609) a CID with anti-reflecting laminated safety glass is used. The glass cover stretches to the edge of the CID.



F30 CID with 8.8" screen diagonal

For further information on the Central Information Display (CID), please refer to the "F30 Displays and Controls" product training manual.

In vehicles with the standard HiFi loudspeaker system there is a mid-range speaker on the top side of the dashboard; in vehicles with the optional Harman Kardon Surround Sound system (option 688) there is a mid-range and tweeter on the top side of the dashboard.

Further information on the speaker systems can be found in the product information "F30 Information and Communication".

For the first time in the 3-Series a BMW Head-Up Display (option 610) can be ordered.

Further information on the Head-Up Display can be found in the product information "F30 Displays and Controls".

F30 Introduction

5. Interior Equipment



F30 dashboard

Index	Explanation
1	BMW Head-Up Display (option 610)
2	Cover for mid-range speaker/tweeter (for HiFi loudspeaker system or for Harman Kardon Surround Sound system, option 688)

The lower section of the dashboard is available in black, Veneto beige, oyster or nut brown. The surface is coated with a PUR spray (PUR = polyurethane) and has a F30-specific grain. The die-cast panelling is covered with comfort paint, thus improving the optic and haptic elements.

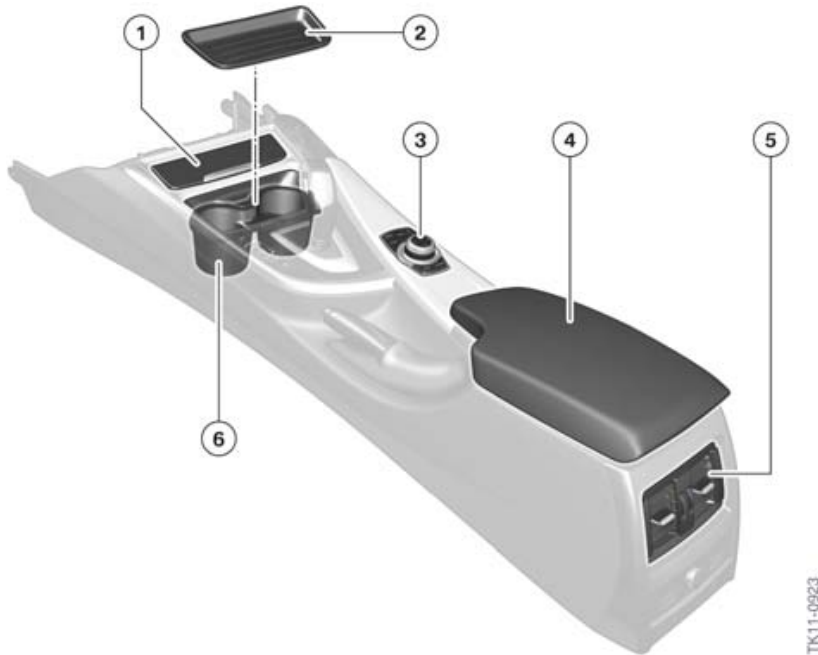
With corresponding vehicle equipment the control box for the assist systems is located under the light switch or for vehicles with a storage compartment package (option 493) an additional storage compartment.

5.4. Center console

The center console is available in the colors black, Veneto beige or oyster.

F30 Introduction

5. Interior Equipment



F30 center console

Index	Explanation
1	Oddments tray and connector or ashtray and cigarette lighter
2	Removable storage tray
3	Controller
4	Front armrest
5	Rear air outlet
6	Cup holder

The controller is ergonomically embedded next to the gearshift in the decor. Two different controllers are fitted depending on the vehicle equipment:

- Controller with 5 buttons (basic)
- Controller with 7 buttons Professional navigation system (option 609).

With the optional equipment light package (option 563) the front oddments tray and the storage compartment under the front armrest are illuminated.

There is a storage tray on the back of the center console or the rear air outlet for IHKA 2/1 zones.

F30 Introduction

5. Interior Equipment

5.5. Inside mirror

In the F30 a new inside mirror fitting is installed. To remove the inside mirror, the mirror base cover must be removed, the plug connection disconnected and then the inside mirror with mirror base and retaining spring pulled down from the guide.



F30 inside mirror

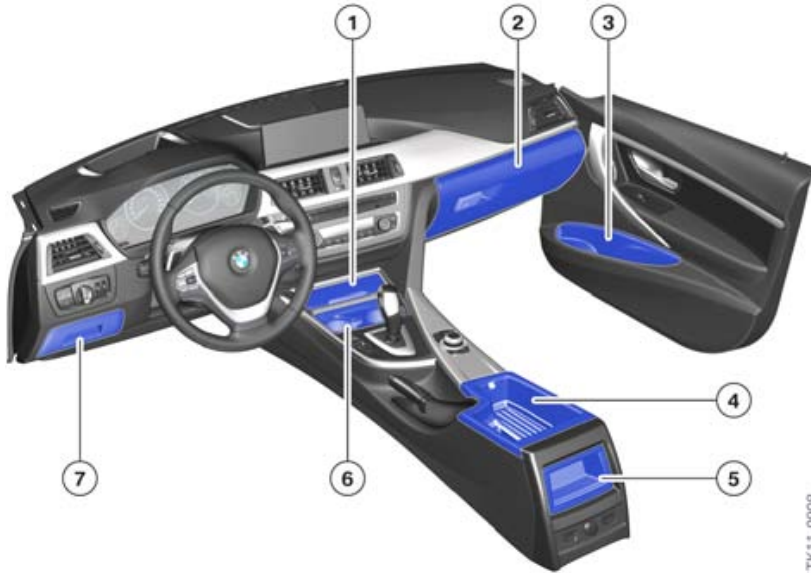
Index	Explanation
1	Inside mirror
2	Retaining spring
3	Guide

5.6. Storage options

The F30 features the following storage options.

F30 Introduction

5. Interior Equipment



TK11-0908

F30 storage options

Index	Explanation
1	Oddments tray
2	Glove box
3	Door pocket
4	Storage compartment, center console
5	Storage tray (not US)
6	Cup holder (with removable storage tray)
7	Storage compartment

A 1-litre bottle can be easily stowed in the front door pockets.

5.7. Front seats

The following front seat variants can be chosen for the F30:

- Basic seat, electrical; driver's seat with memory
- Sports seat, electrical; driver's seat with memory (option 481).

F30 Introduction

5. Interior Equipment



TK11-0924

F30 front seat

The inclination of the head restraints can be set in three different positions in the F30.

F30 Introduction

5. Interior Equipment



TK11-0925

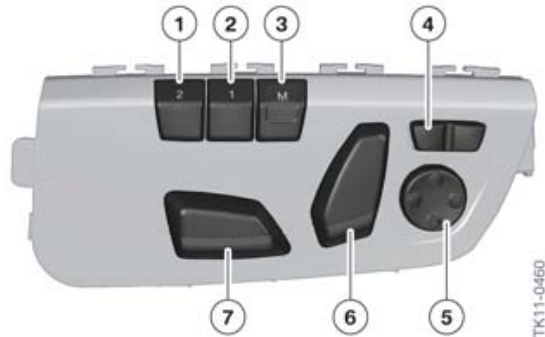
F30 maximum seat adjustment

Index	Explanation
1	Head restraint angle adjustment
2	Head restraint height adjustment
3	Backrest angle adjustment
4	Backrest width adjustment
5	Forward/back seat adjustment
6	Seat height adjustment
7	Seat angle adjustment
8	Seat depth adjustment
9	Lumbar support adjustment

F30 Introduction

5. Interior Equipment

The seat adjustment options may vary depending on the vehicle equipment.



F30 switch block, driver's seat adjustment

Index	Explanation
1	Button 2 (calls up stored position)
2	Button 1 (calls up stored position)
3	Button M (stores current position)
4	Backrest width adjustment
5	Lumbar support adjustment
6	Backrest angle adjustment
7	Forward / back, seat height and seat angle adjustment

5.8. Rear seats

A through-loading system (option 465) with a separate folding center part can be ordered as optional equipment. The backrest is divided in the ratio 40-20-40. The individual sections can be folded to the front as shown in the following diagrams:

F30 Introduction

5. Interior Equipment



F30 through-loading system

5.9. Climate control

One climate control variant is available for the F30:

- Integrated automatic heating / air conditioning (IHKA), 2/1-zone.

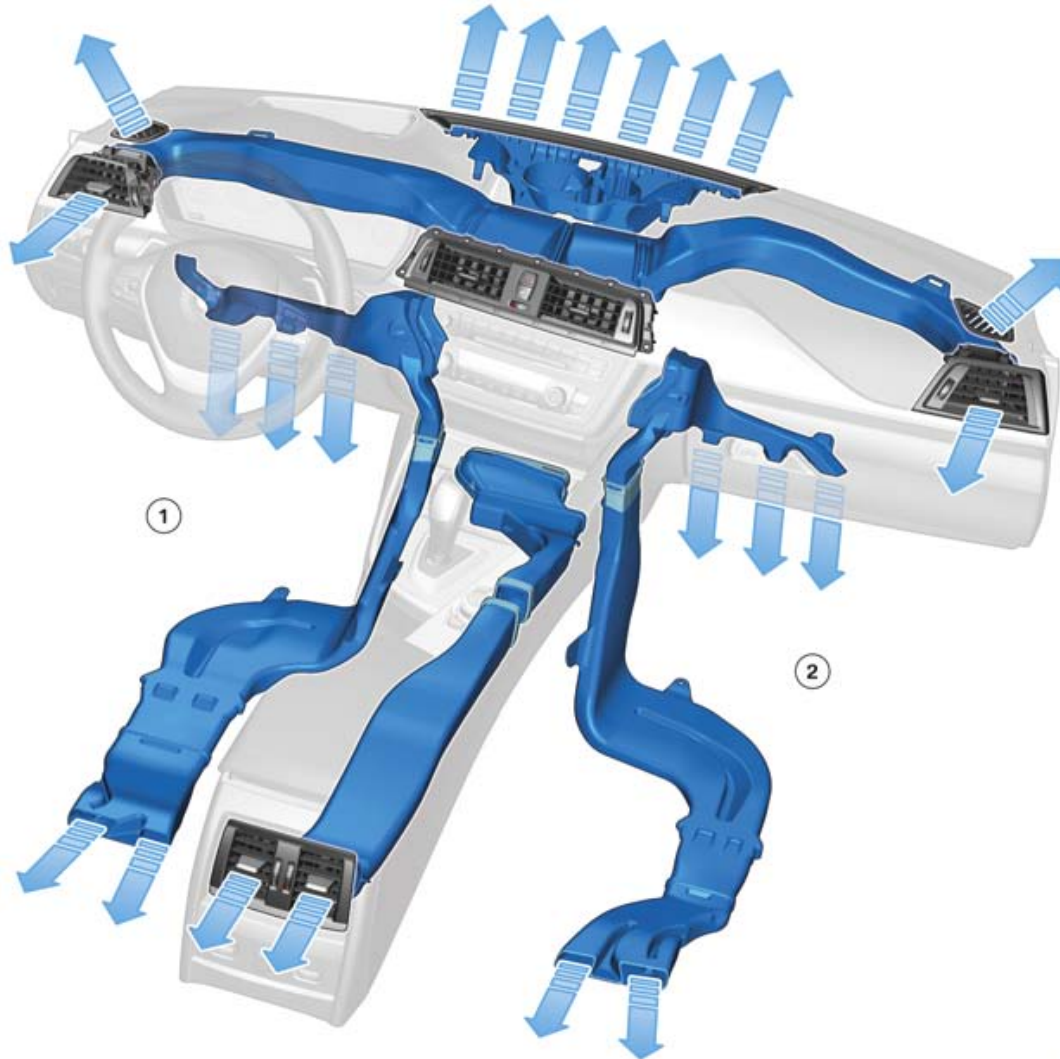
In the zone specification the first number denotes the number of controllable temperature zones (temperature selector wheels) and the second number the number of controllable airflow volume and air distribution zones (separate fan settings).

In the F30 the IHKA control unit is separate from the IHKA controls and is located on the heating and air-conditioning unit.

For further information on the heating and air-conditioning systems, please refer to the "F30 General Vehicle Electrics" product information.

F30 Introduction

5. Interior Equipment



F30 air ducts integrated automatic heating / air-conditioning system IHKA 2/1 zones

TK11-0447

Index	Explanation
1	Driver zone
2	Front passenger zone

F30 Introduction

6. Luggage Compartment

Special features

- Luggage compartment floor with flowing transition to the side trim panel
- Luggage compartment floor stop in raised position
- Level side faces with maximum use of space
- Large, depth storage tray on the left
- Cover for toolkit and battery, right
- Tie-down by four lashing eyes
- Enlarged luggage compartment (480 liters)
- Bigger loading opening in both width and height.



Bayerische Motorenwerke Aktiengesellschaft
Händlerqualifizierung und Training
Röntgenstraße 7
85716 Unterschleißheim, Germany