

Technical training.
Product information.

F01/F02 LCI Introduction



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General information

Symbols used

The following symbol/schematic diagram 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 deviations 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.

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

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F01/F02 LCI Introduction

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F01/F02 LCI Introduction

1. Introduction

In July 2012, just three and a half years after the market introduction of the F01/F02, the model revision LCI (Life Cycle Impulse) will be available on the market. The LCI model introduces a new engine (N63 TU) and contains visible upgrades in the front and rear styling, as well as improvements in comfort and infotainment.

These improvements include:

- Adaptive LED headlights
- New rear seat entertainment system with 9" display screens
- Bang & Olufsen Surround Sound system
- Acoustic measures to reduce noise
- The suspension was enhanced to increase ride comfort.

The model range of the F01/F02 LCI comprises the following models:

F01	F02
BMW 740i	BMW 740Li
—	BMW 740Li xDrive
BMW 750i	BMW 750Li
BMW 750i xDrive	BMW 750Li xDrive
BMW 760i	BMW 760Li



F01/F02 LCI front and rear view

F01/F02 LCI Introduction

1. Introduction

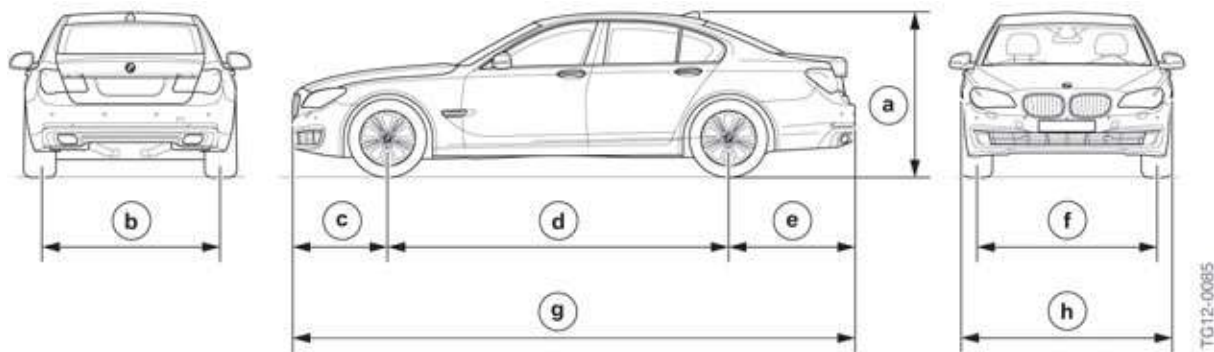


F01 LCI side view

1.1. Further information

Only the new features and adaptations of the F01/F02 LCI are described in this document. Further information on topics not dealt with here can be found in the ST811 F01 Complete Vehicle "Introduction" training material available on TIS and ICP:

1.2. Vehicle dimensions



F01 LCI garage dimensions

The length of the F01 LCI and the F02 LCI was increased by 7 mm with the model revision. Although the wheelbase remains unchanged, the F01 LCI is 8 mm lower, the F02 LCI is 3 mm higher than previous model.

Index	Explanation		F01	F01 LCI	F02	F02 LCI
a	Rear track width, basic wheels	[mm]	1650	1650	1650	1650
b	Vehicle width with exterior mirror	[mm]	2134	2142	2134	2142
c	Front overhang	[mm]	864	866	864	866

F01/F02 LCI Introduction

1. Introduction

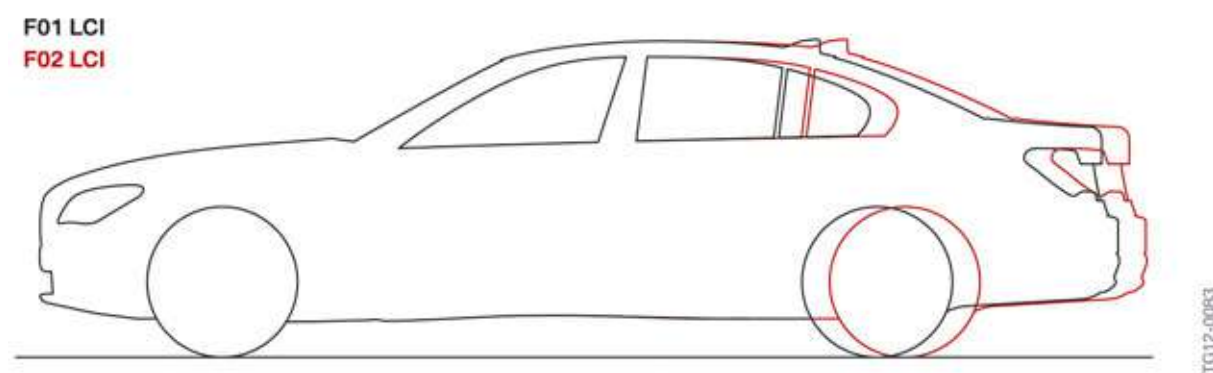
d	Wheelbase	[mm]	3070	3070	3210	3210
e	Rear overhang	[mm]	1138	1143	1138	1143
f	Vehicle length	[mm]	5072	5079	5212	5219
g	Vehicle height, empty	[mm]	1479	1471	1478	1481
h	Front track width, basic wheels	[mm]	1611	1611	1611	1611
i	Vehicle width excluding exterior mirrors	[mm]	1902	1902	1902	1902

1.2.1. Weights and load capacities

Weights as per DIN of the F01/F02 LCI in the European version and their load capacities are set out in the following table.

Vehicle	Transmission	Unladen weight [kg]	Payload [kg]
BMW 740i	Automatic transmission	1825	650
BMW 750i	Automatic transmission	1940	640
BMW 750i xDrive	Automatic transmission	2000	640
BMW 760i	Automatic transmission	2105	590
BMW 740Li	Automatic transmission	1845	650
BMW 740Li xDrive	Automatic transmission	2080	520
BMW 750Li	Automatic transmission	1960	640
BMW 750Li xDrive	Automatic transmission	2035	640
BMW 760Li	Automatic transmission	2175	575

1.3. Silhouette comparison

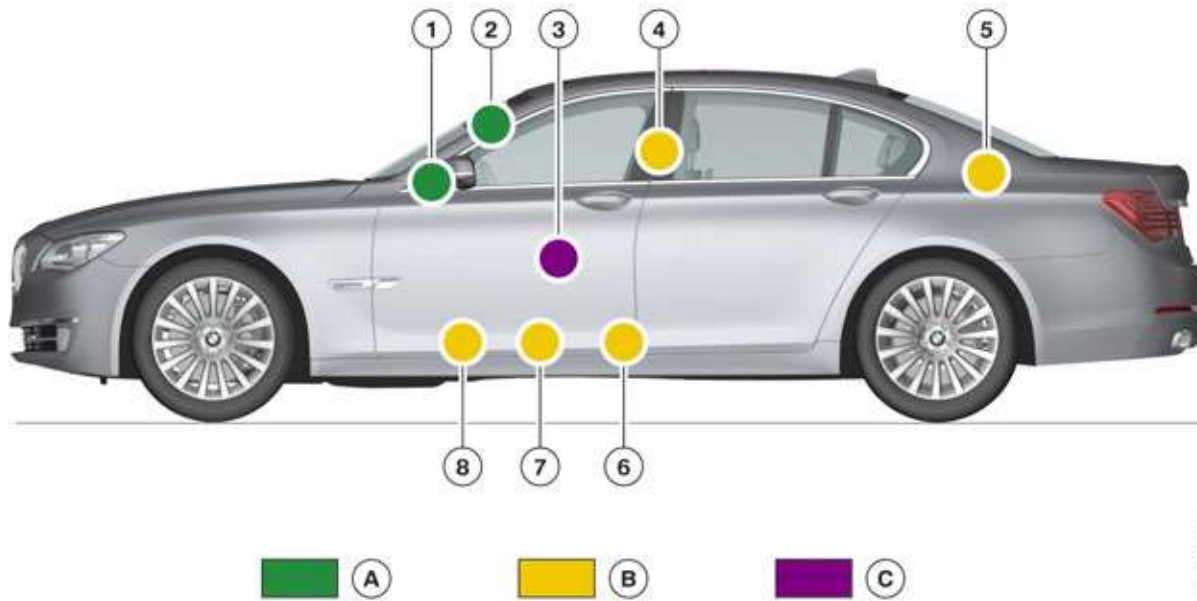


F01/F02 LCI silhouette comparison

F01/F02 LCI Introduction

2. Acoustic Measures

The background noise in the vehicle was able to be reduced significantly in different areas through the use of additional insulating materials. These areas are shown in the following graphic.



F01/F02 LCI measures to reduce noise

Index	Explanation
A	Wind noise measures
B	Rolling noise measures
C	General measures
1	Optimized mirror base and triangle
2	Optimized retaining trim
3	Door insulation
4	Sound insulation, B-pillar, top
5	Sound insulation, C-pillar
6	Sound insulation, B-pillar, bottom
7	Sound insulation, central base
8	Sound insulation, entrance

Openings at the B-pillar were insulated with sealing caps. To provide noise insulation, 10 mm absorbers are installed between the B-pillar panelling and body with 15 mm absorbers in the lower area.

Sound insulation is used between the central base and floor trim.

Absorbers are also used in the cavities of the C-pillars which help minimize rolling noises.

A 19 mm absorber is installed in the doors (in the area of the function carrier) to enhance noise insulation.

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2. Acoustic Measures



F01/F02 LCI door insulation

Index	Explanation
1	Absorber

F01/F02 LCI Introduction

3. Exterior Trim

The exterior changes to the F01/F02 LCI include:

- Bi-xenon headlight with standard LED daytime driving lights
- Newly designed front and rear bumper cover
- Air curtain for improved air circulation and a reduction of the CO₂ emissions
- Modified exterior mirrors with integrated turn indicator
- New rear lights
- LED fog light (standard equipment 5A1)
- Adaptive LED headlight (optional equipment 552 except on BMW 760 models)



F01/F02 LCI design changes

Index	Explanation
1	Exterior mirror with integrated turn indicator
2	Adaptive LED headlight (optional equipment)
3	Modified radiator grill frame with new bridge distribution
4	New front bumper cover with air curtain
5	New rear lights
6	New rear bumper cover

F01/F02 LCI Introduction

4. Interior Equipment

Changes were also made to the interior compartment of the F01/F02 LCI:

- Chrome application at the frame of the central information display CID and at the cover of the cupholder
- Two additional upholstery color and three new decorative strips.



F01/F02 LCI center console

Index	Explanation
1	Chrome application



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