

Technical training.
Product information.

G15 Displays and Controls



BMW Service

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Technical Training

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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: June 2018

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.

The information contained in the training course materials is solely intended for participants in this training course conducted by BMW Group Technical Training Centers, or BMW Group Contract Training Facilities.

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For changes/additions to the technical data, repair procedures, please refer to the current information issued by BMW of North America, LLC, Technical Service Department.

This information is available by accessing TIS at www.bmwcenternet.com.

Additional sources of information

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

- Owner's Handbook
- Integrated Service Technical Application
- Aftersales Information Research (AIR)

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G15 Displays and Controls

Contents

1.	Operating Elements.....	1
1.1.	Introduction.....	1
1.1.1.	New features in the G15.....	1
1.1.2.	Overview of the interior.....	2
1.1.3.	Overview of displays.....	3
1.1.4.	Audio operating unit.....	4
1.1.5.	Heating and air-conditioning controls.....	4
1.2.	Center console switch cluster.....	4
1.2.1.	Variants.....	6
1.3.	Light operating unit.....	7
1.4.	Doors.....	8
1.5.	2/2-zone air conditioning control panel.....	9
2.	Instrument Cluster.....	11
2.1.	Introduction.....	11
2.2.	Connection.....	11
3.	Controller.....	13
3.1.	Overview.....	13
3.2.	Installation location.....	14
4.	Central Information Display.....	15
4.1.	ID7.....	15
5.	Gesture Control.....	17
5.1.	Introduction.....	17
5.2.	Installation location.....	18
5.3.	System wiring diagram.....	19
6.	Head-Up Display.....	20
6.1.	Introduction.....	20
6.2.	System wiring diagram.....	20
7.	Multifunction Steering Wheel.....	21
7.1.	Control panels	21
7.1.1.	Assistance systems.....	21
7.1.2.	Multimedia.....	22
7.1.3.	Steering wheel heating.....	23





G15 Displays and Controls

1. Operating Elements

1.1. Introduction

1.1.1. New features in the G15

The following table shows the new features of and changes to the display and operating elements in the G15:

Function	New feature/change
Controllers 	Controller with 8 direct access keys
Central Information Display 	12.3" Central Information Display with a Head Unit High 3
User interface 	User interface ID7
Light operating unit 	Rotary controller has been replaced by push buttons

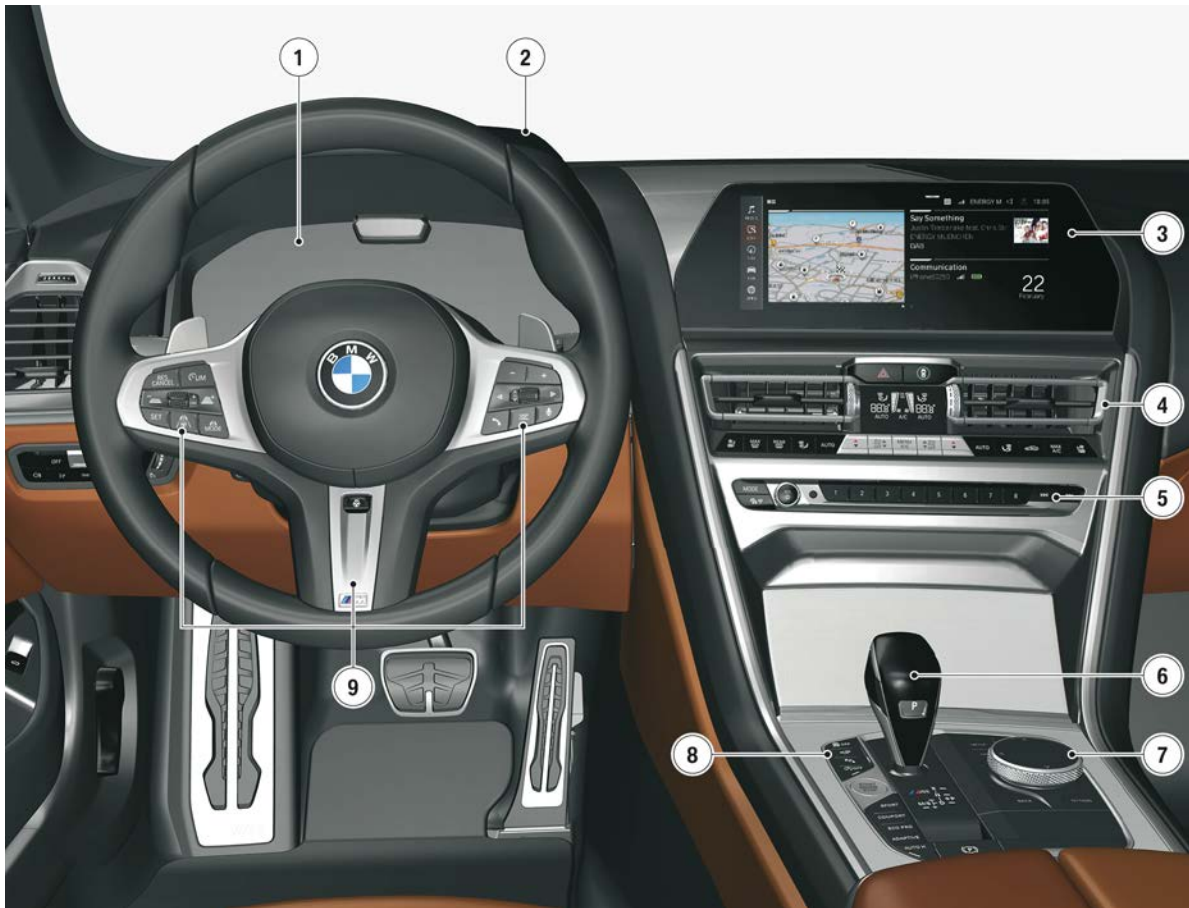
G15 Displays and Controls

1. Operating Elements

1.1.2. Overview of the interior

The interior and the operating area (cockpit) of the G15 have been newly designed. Among the new features is the new layout of the air conditioning control and the audio operating unit.

The following graphic shows the display and operating elements of the G15:



G15 Overview of the interior

Index	Explanation
1	Instrument cluster
2	Head-Up Display
3	Central Information Display
4	Air conditioning control panel
5	Audio operating unit
6	Gear selector switch
7	Controllers
8	Center console control panel
9	Multifunction steering wheel

G15 Displays and Controls

1. Operating Elements

1.1.3. Overview of displays



G15 overview of displays

Index	Explanation
1	Head-Up Display (HUD)
2	Central Information Display (CID)
3	Instrument cluster (KOMBI)

G15 Displays and Controls

1. Operating Elements

1.1.4. Audio operating unit



G15 audio operating unit

Index	Explanation
1	Select AM, FM
2	Change entertainment source
3	Press: Switch sound output on/off; turn: Set volume
4	Favorite buttons
5	Press once: Change station/track; press and hold: fast forward/rewind track

1.1.5. Heating and air-conditioning controls



G15 Heating and air conditioning controls

1.2. Center console switch cluster

The following graphic shows the operating elements in the Center console:

1. Operating Elements



G15 Center Operation Unit

Index	Explanation
1	Gear selector switch
2	Controller
3	Electromechanical parking brake
4	Automatic Hold
5	Driving experience switch
6	Start/Stop button
7	Activate/deactivate engine start/stop
8	Parking Manoeuvring Assistant
9	Surround view camera
10	Dynamic Stability Control

G15 Displays and Controls

1. Operating Elements

1.2.1. Variants

The center console switch cluster consists of two different equipment specifications:

- Standard
- Glass controls (SA 4A2)



Center console switch cluster variants

Index	Explanation
A	Center console switch cluster with the standard equipment
B	Center console switch cluster with the optional glass controls (SA 4A2)

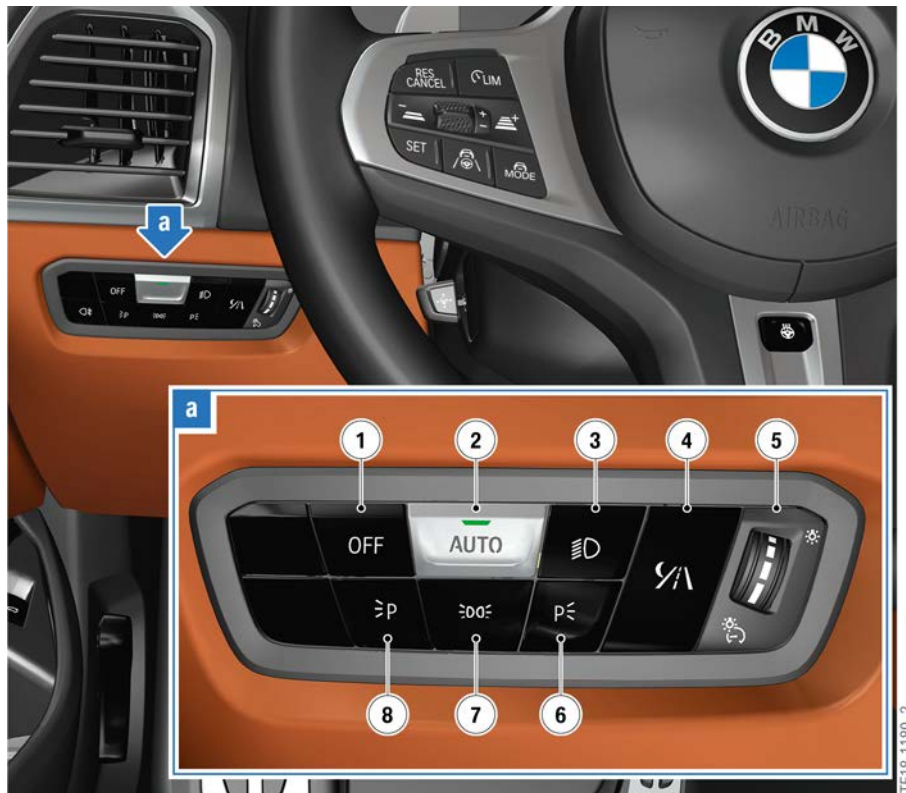
G15 Displays and Controls

1. Operating Elements

1.3. Light operating unit

A new light operating unit is used for the first time in the G15. The light switch element is situated next to the steering wheel. With the optional equipment Night Vision with Pedestrian Detection (SA 6UK) the light operating unit is additionally equipped with a Night Vision button.

The following graphic shows a light operating unit that features the maximum equipment specification.



G15 light operating unit

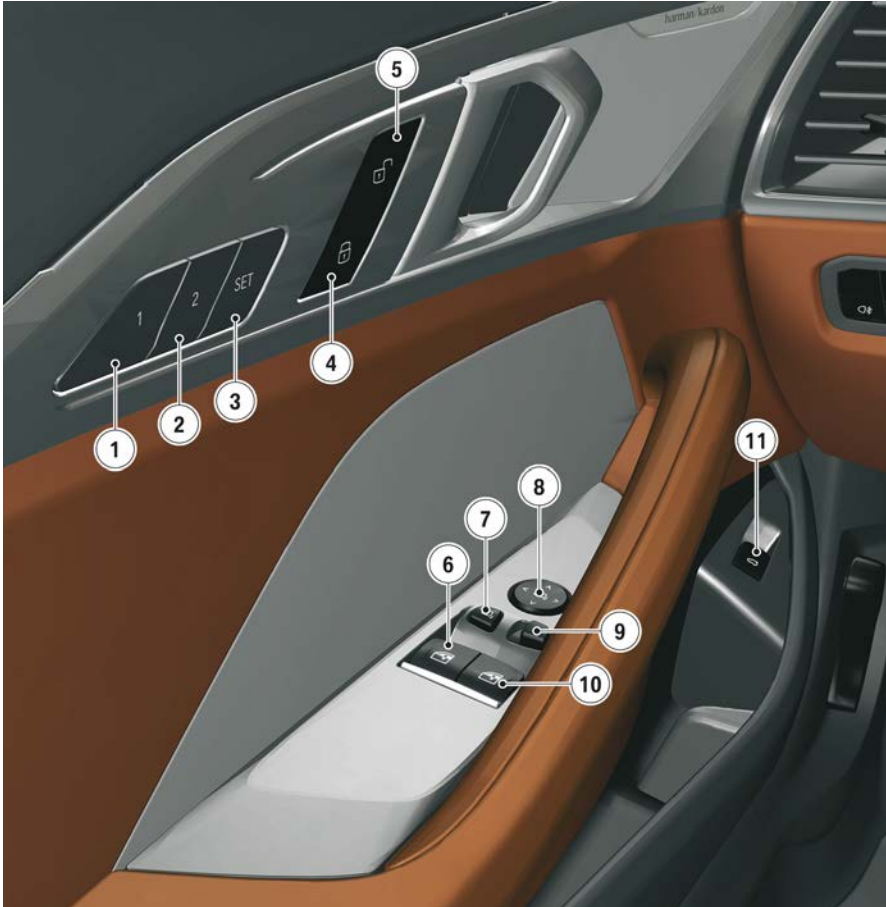
Index	Explanation
a	Light switch
1	Lights off; daytime driving lights
2	Automatic driving lights control; adaptive lighting functions
3	Low-beam headlight
4	Night Vision (SA 6UK)
5	Instrument lighting
6	Right parking light
7	Side lights
8	Left parking light

G15 Displays and Controls

1. Operating Elements

1.4. Doors

Here you can see an overview of the door operating unit:



G15 operating element, door, driver's side

Index	Explanation
1	Button for adjusting the seat position memory 1
2	Button for adjusting the seat position memory 2
3	Memory button set
4	Button for locking the vehicle
5	Button for unlocking the vehicle
6	Power window regulator, driver's side
7	Fold the exterior rearview mirrors in and out
8	Button for adjusting the exterior rearview mirrors
9	Select the mirror, Automatic mirror dip
10	Power window regulator, passenger side
11	Open/close trunk

G15 Displays and Controls

1. Operating Elements

1.5. 2/2-zone air conditioning control panel

The 2/2 zone air conditioning is included in the standard equipment of the G15. It provides the driver and front passenger with individual and separate left/right temperature control and the ability to individually select an automatic program. All functions on this control panel are controlled using buttons. Depending on the equipment specification, the following settings can be controlled via the air conditioning control panel:

- Amount of air, driver/front passenger
- Seat heating
- Seat ventilation



G15 air conditioning control panel, fresh air grille

Index	Explanation
1	Hazard warning switch
2	Intelligent Safety button
3	Active seat ventilation/seating heating, right
4	Max. cooling on/off
5	Air recirculation function
6	Manual air distribution regulation, right
7	Automatic program, right
8	Temperature adjustment, right
9	Decrease/increase amount of air, right
10	Up A/C menu, down A/C On/Off
11	Decrease/increase amount of air, left

G15 Displays and Controls

1. Operating Elements

Index	Explanation
12	Temperature adjustment, left
13	Automatic program, left
14	Manual air distribution regulation, left
15	Rear window heating on/off
16	Windshield defrosting
17	Active seat ventilation/seat heating, left
18	Display

Further information on the heating and air conditioning systems of the G15 can be found in the Product Information "G15 Body".

G15 Displays and Controls

2. Instrument Cluster

2.1. Introduction

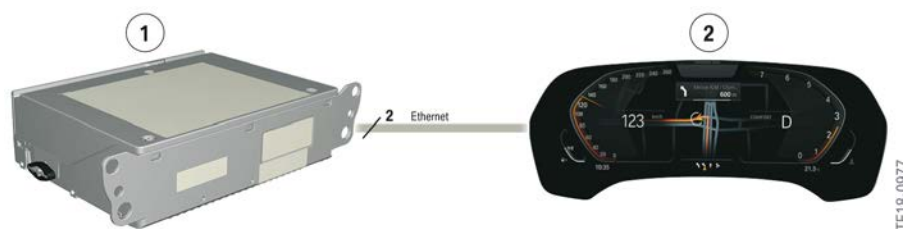
A new instrument cluster is installed in the G15. The displays of the instrument cluster are shown on a 12.3" TFT display.



G15 instrument cluster

2.2. Connection

The instrument cluster is connected with the Head Unit High 3 via an Ethernet cable.



G15 connection of instrument cluster with the head unit

Index	Explanation
1	Head unit
2	Instrument cluster (KOMBI)

G15 Displays and Controls

2. Instrument Cluster

Head-Up Display is additionally connected with the instrument cluster via an APIX connection.



G15 connection of Head-Up Display

Index	Explanation
1	Head unit
2	Instrument cluster (KOMBI)
3	Head-Up Display (SA610)

G15 Displays and Controls

3. Controller

3.1. Overview

A new controller is used in the G15. The controller has 8 direct access keys.



G15 controller view

Index	Explanation
1	Communication
2	Media
3	ConnectedDrive
4	Home
5	Navigation map
6	Navigation
7	Option
8	Back

G15 Displays and Controls

3. Controller

3.2. Installation location

The controller is situated in the Center Operation Unit.



G15 controller view

G15 Displays and Controls

4. Central Information Display

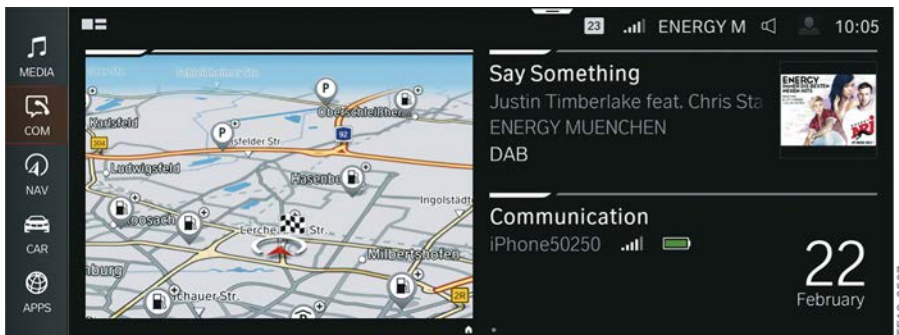
The G15 contains in combination with BMW Live Cockpit Pro a Central Information Display with a screen diagonal of 10.25". The Live Cockpit Pro is standard equipment in the G15.



G15 Central Information Display

4.1. ID7

The G15 contains a new user interface. This is called ID7 (BMW iDrive 7th generation).

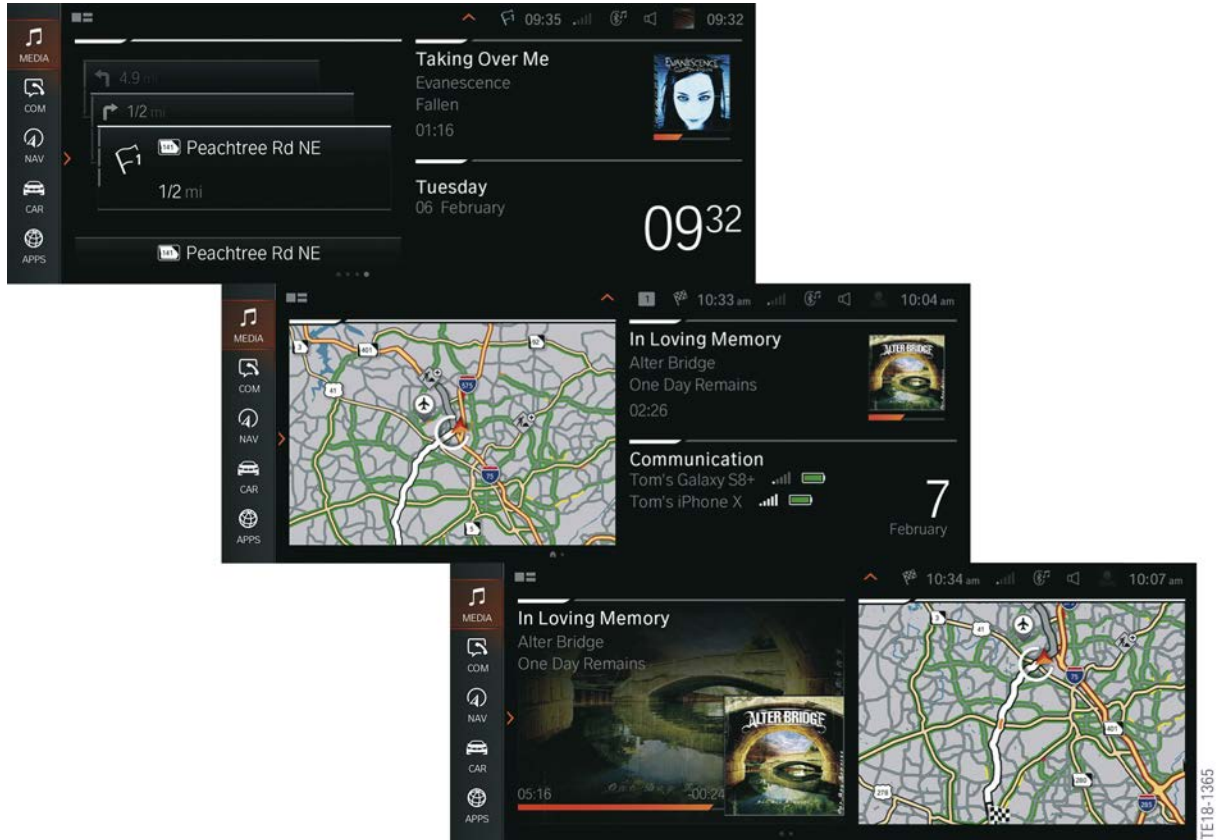


ID7 menu view

G15 Displays and Controls

4. Central Information Display

Among other things, the menu view can be individually adapted with the ID7 user interface.



Menu views of the ID7

Further information on the ID7 user interface can be found in the Product Information "Displays and Controls 2018".

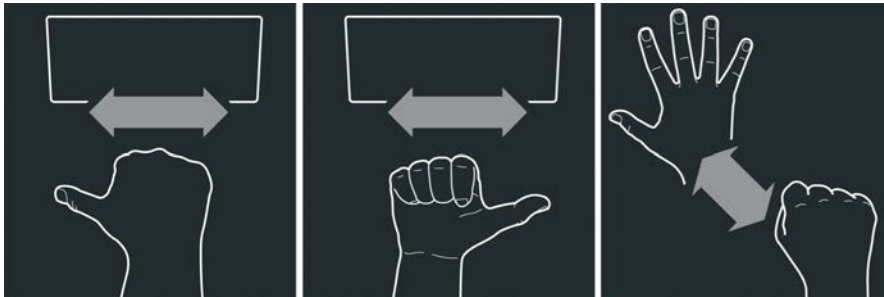
G15 Displays and Controls

5. Gesture Control

5.1. Introduction

Some iDrive functions can be controlled by moving the hands with BMW gesture control.

With gesture control, 3 new gestures are additionally recognized by the gesture recognition camera in the G15.



New gesture functions

The detection range of the gesture recognition camera extends from the steering wheel via the Central Information Display (CID) to the glove box.



G15 detection range, gesture recognition camera

G15 Displays and Controls

5. Gesture Control

Further information and an overview of the gesture functions used in the G15 can be found in the Product Information "Displays and Controls 2018".

5.2. Installation location

The gesture recognition camera is integrated in the roof function center (FZD).



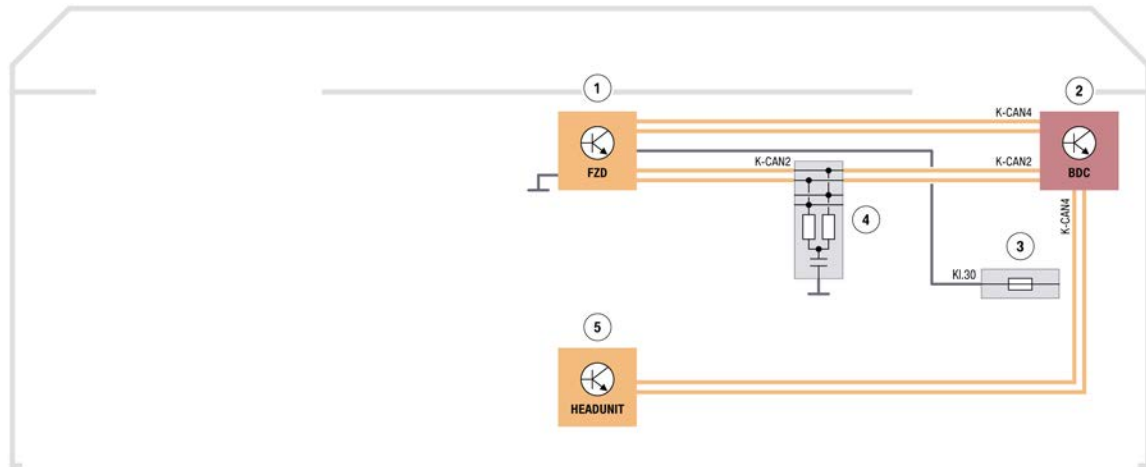
G15 installation location, gesture recognition camera

Index	Explanation
1	Gesture recognition camera

G15 Displays and Controls

5. Gesture Control

5.3. System wiring diagram



G15 system wiring diagram, gesture control

Index	Explanation
1	Roof Function Center (FZD)
2	Body Domain Controller (BDC)
3	Fuse for front right power distribution box
4	CAN terminator
5	Head unit

G15 Displays and Controls

7. Multifunction Steering Wheel

7.1. Control panels

7.1.1. Assistance systems

The following graphic provides an overview of the assistance system buttons on the multifunction steering wheel with the maximum equipment specification.

Further information on the control panels can be found in the Product Information "G15 Driver Assistance Systems".



G15 multifunction steering wheel, assistance systems

Index	Explanation
1	Set speed
2	LED display
3	Speed limit ON/OFF (LIM)
4	Increase distance to the vehicle ahead
5	Button for selecting the assistance system Possible selection: Only ACC with Stop&Go or ACC Stop&Go with Steering Assistant
6	Button for activate/deactivating the assistance system selected via the Mode button
7	Store the current speed
8	Reduce distance to the vehicle ahead
9	Stop cruise control/continue cruise control with last setting

G15 Displays and Controls

7. Multifunction Steering Wheel

7.1.2. Multimedial

The following graphic provides an overview of the buttons for multimedia applications on the multifunction steering wheel.



G15 multifunction steering wheel, multimedia

Index	Explanation
1	Knurled wheel, select in the selection list
2	LED display
3	Rocker switch +, increase volume
4	Press once: change station/track; press and hold: fast forward track
5	Voice processing system
6	Selection lists
7	Telephone
8	Press once: change station/track; press and hold: fast rewind track
9	Rocker switch -, reduce volume

The Selection lists button can be used to display lists such as the Entertainment list or the playlist in the instrument cluster or in the Head-Up Display.

G15 Displays and Controls

7. Multifunction Steering Wheel



Displays of selection lists

Index	Explanation
1	Display of the playlist in the Head-Up Display
2	Entertainment list in the instrument cluster

7.1.3. Steering wheel heating



G15 steering wheel heating

G15 Displays and Controls

7. Multifunction Steering Wheel

Index	Explanation
1	Button, steering wheel heating

