

### Lowering the vehicle (vehicles with Off-road package)

- ▶ Pull rocker switch ①.
  - Off-road level +3: the vehicle is lowered to off-road level +2. Two indicator lamps ② light up continuously when the vehicle has finished lowering.
  - Off-road level +2: the vehicle is lowered to off-road level +1. One indicator lamp ② lights up continuously when the vehicle has finished lowering.
  - Off-road level +1: the vehicle is lowered to the normal level. No indicator lamp ② lights up when the vehicle has finished lowering.

Your selection is saved. The off-road level set remains stored even after the ignition has been switched off.

### Setting the entering/exiting level (AIRMATIC) Requirements:

- The engine is running.
- The vehicle is moving at speeds less than 20 mph (30 km/h).

Multimedia system:

→  → Settings

▶▶ Schnellzugriff (Quick access)

- ▶ Select **Lower When Getting In On**. The vehicle is lowered to low level -2 to facilitate entering and exiting.

① Further information on AIRMATIC (→ page 225).

### E-ACTIVE BODY CONTROL

#### Function of E-ACTIVE BODY CONTROL

E-ACTIVE BODY CONTROL is an electrohydraulic suspension system with variable damping for improved driving comfort. The all-round level control system ensures the best possible suspension and constant ground clearance, even with a laden vehicle. When driving at speed, the vehicle is lowered automatically to improve driving safety and to reduce fuel consumption. The suspension setting is adjusted depending on the road surface, vehicle load and the drive program selected.

The ROAD SURFACE SCAN function detects areas of unevenness in the road before you drive over them by means of a multifunction camera. This reduces chassis movements.

The damping is adjusted individually to each wheel and depends on the following factors:



- Driving style, e.g. sporty
- Road condition, e.g. bumps
- Drive program



E-ACTIVE BODY CONTROL is comprised of the following functions and components:



- ROAD SURFACE SCAN
- Curve inclination function CURVE
- Recovery mode
- Individual wheel control
- Air suspension with automatic level control
- Speed-dependent lowering to reduce fuel consumption
- Manual level adjustment




- ADS PLUS (Adaptive Damping System with constant adjustment of damping characteristics)
- DYNAMIC SELECT switch and level button

### Suspension settings and vehicle level per drive program


Drive program	Suspension settings and vehicle level
 (Sport)	<ul style="list-style-type: none"> <li>• The suspension setting is firmer.</li> <li>• The vehicle is set to low level -1.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• <b>Operation with a trailer or bicycle rack:</b> if the electrical connection has been correctly established, the vehicle remains at normal level.</li> </ul>
 (Sport +)	<ul style="list-style-type: none"> <li>• The suspension setting is even firmer.</li> <li>• The vehicle is set to low level -2.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• <b>Operation with a trailer or bicycle rack:</b> if the electrical connection has been correctly established, the vehicle remains at normal level.</li> </ul>

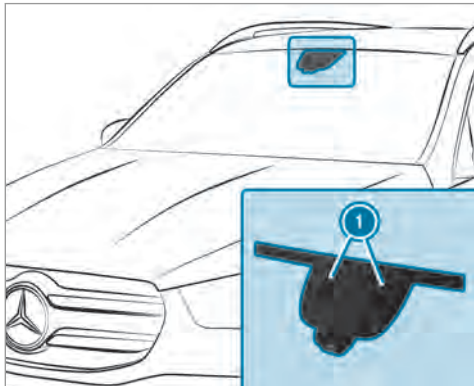
Drive program	Suspension settings and vehicle level
 (Comfort)	<ul style="list-style-type: none"><li>• The suspension setting is comfortable.</li><li>• The vehicle is raised to normal level.</li><li>• If the trailer socket is not contacted (trailer/bicycle rack): when driving at speeds above approximately 87 mph (140 km/h), the vehicle is lowered.</li><li>• When driving at speeds below approximately 25 mph (40 km/h), the vehicle is raised again.</li><li>• ROAD SURFACE SCAN is active.</li><li>• The curve inclination function is deactivated.</li><li>• <b>Operation with a trailer or bicycle rack:</b> if the electrical connection has been correctly established, the vehicle remains at normal level irrespective of speed.</li></ul>
 (CURVE)	<ul style="list-style-type: none"><li>• The suspension setting is comfortable.</li><li>• The vehicle is set to the normal level.</li><li>• When driving at speeds above approximately 87 mph (140 km/h), the vehicle is lowered.</li><li>• When driving at speeds below approximately 25 mph (40 km/h), the vehicle is raised again.</li><li>• ROAD SURFACE SCAN is active.</li><li>• The curve inclination function is active.</li></ul>


Drive program	Suspension settings and vehicle level
 (Economy)	<ul style="list-style-type: none"> <li>• The suspension setting is comfortable.</li> <li>• The vehicle is set to the normal level.</li> <li>• When driving at speeds above approximately 87 mph (140 km/h), the vehicle is lowered.</li> <li>• When driving at speeds below approximately 25 mph (40 km/h), the vehicle is raised again.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• <b>Operation with a trailer or bicycle rack:</b> if the electrical connection has been correctly established, the vehicle remains at normal level irrespective of speed.</li> </ul>
 (Off-road in vehicles without Off-road package)	<ul style="list-style-type: none"> <li>• The suspension setting is suitable for easily negotiable off-road terrain.</li> <li>• The vehicle is set to off-road level +1.</li> <li>• When driving at speeds above approximately 50 mph (80 km/h), the vehicle is lowered.</li> <li>• When driving at speeds below approximately 28 mph (45 km/h), the vehicle is raised.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• Free driving mode and the individual wheel control function can be activated provided the necessary conditions are met.</li> </ul>

Drive program	Suspension settings and vehicle level
 (Off-road in vehicles with Off-road package)	<ul style="list-style-type: none"> <li>• The suspension setting is suitable for easily negotiable off-road terrain.</li> <li>• The vehicle is set to off-road level +1.</li> <li>• When driving at speeds above approximately 71 mph (115 km/h), the vehicle is lowered.</li> <li>• When driving at speeds below approximately 47 mph (75 km/h), the vehicle is raised.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• Free driving mode and the individual wheel control function can be activated provided the necessary conditions are met.</li> </ul>
 (Off-road + in vehicles with Off-road package)	<ul style="list-style-type: none"> <li>• The suspension setting is suitable for difficult off-road terrain.</li> <li>• The vehicle is set to off-road level +1.</li> <li>• When driving at speeds above approximately 50 mph (80 km/h), the vehicle is lowered.</li> <li>• When driving at speeds below approximately 28 mph (45 km/h), the vehicle is raised.</li> <li>• ROAD SURFACE SCAN is deactivated.</li> <li>• The curve inclination function is deactivated.</li> <li>• Free driving mode and the individual wheel control function can be activated provided the necessary conditions are met.</li> </ul>
 Individual	<ul style="list-style-type: none"> <li>• You can call up individual suspension settings here.</li> </ul>



## Function of ROAD SURFACE SCAN

 This function is not available in all countries.




The ROAD SURFACE SCAN function monitors the road in front of your vehicle using a multifunction camera . ROAD SURFACE SCAN detects unevenness in the road surface, e.g. bumps, before the vehicle drives over them. Chassis movements are reduced and driving comfort is increased.

ROAD SURFACE SCAN is automatically activated if the following conditions are met:

- Drive program  (Comfort) or  (CURVE) is selected.
- The vehicle is set to the normal level.
- You are driving at a speed between 4 mph (7 km/h) and 112 mph (180 km/h).

### System limits


ROAD SURFACE SCAN can be impaired in the following situations or can stop functioning:

- If the roadway is insufficiently lit, e.g. at night.
- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying ambient light.
- If the windshield in the area of multifunction camera  is dirty, fogged up, damaged or covered.
- If the road surface has no optic structure or reflects light.
- If the distance to the vehicle in front is too short.

- If sections of the route have a very small radius of curvature.
- During dynamic driving maneuver, e.g. if you accelerate or brake the vehicle sharply.

Observe the notes on cleaning the multifunction camera (→ page 467).

### Function of recovery mode

 **WARNING** Risk of injury due to the vehicle moving up and down

When free driving mode is activated, the vehicle bounces up and down. Body parts could become trapped if they are between the vehicle body and the tires or underneath the vehicle.

- ▶ Make sure that nobody is under or in the immediate vicinity of the vehicle when free driving mode is activated.

**!** **NOTE** Risk of damage due to the vehicle moving up and down

When free driving mode is activated, the vehicle moves up and down. Vehicle parts may be damaged if the underbody bottoms out.

- ▶ Make sure that there is sufficient ground clearance when rocking free mode is activated.

Rocking free mode is a function of the suspension which can assist the driver on loose surfaces (e.g. sand, snow) when freeing a vehicle which has become stuck.

The vehicle body rocks in slow, vertical motions when recovery mode has been activated. This temporarily puts the wheels under greater load, which means they have increased traction and the vehicle is freed.

You can activate free driving mode via Off-road Assist (→ page 241).

### Function of individual wheel control

**!** **WARNING** Risk of becoming trapped due to the vehicle lowering

The vehicle can be lowered when the individual wheel control function has been activated. Body parts could become trapped if they are between the vehicle body and the tires or underneath the vehicle.

- ▶ Make sure that nobody is under the vehicle or in the immediate vicinity of the wheel arches when individual wheel control is activated.

**!** **NOTE** Risk of damage due to the vehicle moving up and down

The vehicle can be lowered or raised on one or more wheels when the individual wheel control function has been activated. Vehicle parts could be damaged due to contact with objects.

- ▶ Make sure that the vehicle has sufficient room to move when the individual

▶ wheel control function has been activated.

Individual wheel control is a function of the suspension, which can be used to set the vehicle level for each wheel individually. This can help to improve alignment of the body when driving off-road.

You can activate individual wheel control via Off-road Assist (→ page 241).

### Setting the vehicle level

**!** **WARNING** Risk of accident because vehicle level is too high

If you drive at a higher vehicle level, the driving characteristics may be impaired due to the higher vehicle center of gravity.

The vehicle can drift outwards, for example, when steering or cornering.

- ▶ Always choose a vehicle level which is suited to the driving style and the road surface conditions.

**⚠ WARNING** Risk of entrapment from vehicle lowering

When lowering the vehicle, people could become trapped if their limbs are between the vehicle body and the tires or underneath the vehicle.

- ▶ Make sure no one is underneath the vehicle or in the immediate vicinity of the wheel arches when the vehicle is being lowered.

**⚠ WARNING** Risk of becoming trapped due to the vehicle lowering

**Vehicles with AIRMATIC or level control:** when you unload luggage or leave the vehicle, the vehicle first rises slightly and then returns to the set level shortly afterwards.

You or anyone else in the vicinity of the wheel arches or the underbody could thus become trapped.

The vehicle can also be lowered after being locked.

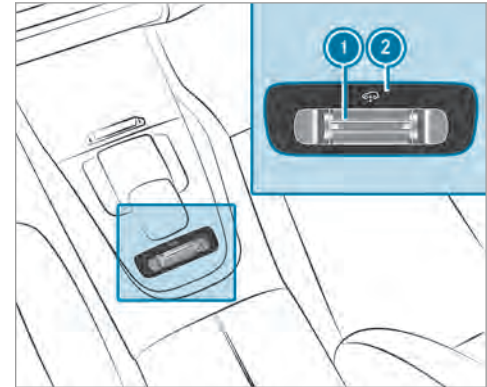
- ▶ When leaving the vehicle, make sure that nobody is in the vicinity of the wheel arches or the underbody.

**Requirements:**

- The vehicle has been started.
- **Vehicles without Off-road package:** the vehicle is not driving at speeds greater than 40 mph (65 km/h) or is operating with a trailer or bicycle rack with a correctly established electrical connection 19 mph (30 km/h).
- **Vehicles with Off-road package:**
  - Off-road level +1: the vehicle is not driving at speeds greater than 62 mph (100 km/h) or is operating with a trailer or bicycle rack with a correctly established electrical connection 19 mph (30 km/h).
  - Off-road level +2: the vehicle is not driving at speeds greater than 40 mph (65 km/h) or is operating with a trailer or bicycle rack with a correctly established electrical connection 19 mph (30 km/h).

- Off-road level +3: the vehicle is not moving faster than 12 mph (20 km/h).

**Raising the vehicle (vehicles without Off-road package)**



- ▶ Push rocker switch ① forwards. Indicator lamp ② flashes while the vehicle is being raised and lights up continuously when it has finished rising.



Your selection is saved. The off-road level set remains stored even after the ignition has been switched off.

**Operation with a trailer or bicycle rack:** if you are driving at speeds greater than 19 mph (30 km/h), the vehicle rises to the normal level in drive programs Sport **S** or Sport + **S+** if the electrical connection has been correctly established.

The vehicle is lowered again in the following situations:

- When driving faster than 50 mph (80 km/h).
- When driving briefly between 40 mph (65 km/h) and 50 mph (80 km/h).
- After selecting a different drive program using the DYNAMIC SELECT switch.

The vehicle is adjusted to the height of the active drive program.

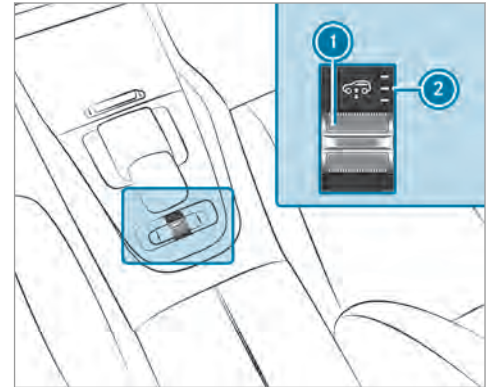
**Operation with a trailer or bicycle rack:** if you are driving at speeds greater than 19 mph (30 km/h), the vehicle lowers to the normal level if the electrical connection has been correctly established.

### Lowering the vehicle (vehicles without Off-road package)

- ▶ Pull rocker switch ①.  
The vehicle is adjusted to the height of the active drive program.

**Operation with a trailer or bicycle rack:** the vehicle lowers to the normal level if the electrical connection has been correctly established.

### Raising the vehicle (vehicles with Off-road package)



- ▶ Push rocker switch ① forwards.
  - Off-road level +1: one indicator lamp ② lights up continuously when the vehicle has finished rising.
  - Off-road level +2: two indicator lamps ② light up continuously when the vehicle has finished rising.

- Off-road level +3: three indicator lamps ② light up continuously when the vehicle has finished rising.

Your selection is saved. The off-road level set remains stored even after the ignition has been switched off.

The vehicle is lowered again in the following situations:

- Off-road level +3: when driving faster than 12 mph (20 km/h).  
The vehicle is lowered to off-road level +2.
- Off-road level +2:
  - When driving faster than 50 mph (80 km/h).
  - When driving briefly between 40 mph (65 km/h) and 50 mph (80 km/h).

The vehicle is lowered to off-road level +1.

**Operation with a trailer or bicycle rack:** if you are driving at speeds greater than 19 mph (30 km/h), the vehicle lowers to the normal level if the electrical connection has been correctly established.

- Off-road level +1:
  - When driving faster than 71 mph (115 km/h).
  - When driving briefly between 62 mph (100 km/h) and 71 mph (115 km/h).
  - **Operation with a trailer or bicycle rack:** you are driving at speeds greater than 19 mph (30 km/h).

The vehicle is lowered to the normal level.

- After selecting a different drive program using the DYNAMIC SELECT switch.  
The vehicle is adjusted to the height of the active drive program.  
**Operation with a trailer or bicycle rack:** the vehicle lowers to the normal level if the electrical connection has been correctly established.

### Lowering the vehicle (vehicles with Off-road package)

- ▶ Pull rocker switch ①.
  - Off-road level +3: the vehicle is lowered to off-road level +2. Two indicator lamps

② light up continuously when the vehicle has finished lowering.

- Off-road level +2: the vehicle is lowered to off-road level +1. One indicator lamp ② lights up continuously when the vehicle has finished lowering.
- Off-road level +1: the vehicle is lowered to the normal level. No indicator lamp ② lights up when the vehicle has finished lowering.

Your selection is saved. The off-road level set remains stored even after the ignition has been switched off.

### Setting Off-road Assist Requirements:

- The vehicle is stationary.
- The vehicle is set to off-road level 1 or 2
- The Off-road or Off-road Plus (only vehicles with Off-road package) drive program has been selected
- The ignition is switched on
- All doors and the hood are closed

- The transmission is not engaged in position **P**
- There is no trailer coupled
- The vehicle is outdoors
- The detected lateral inclination of the vehicle must not exceed approx. 15°
- The system is within its operating temperature
- The on-board voltage is sufficiently high

Multimedia system:


→  >> Settings >> Assistance  
>> Offroad Assistant

### Recovery mode

Recovery mode assists the driver when pulling away on rough terrain, such as sand or snow.


- ▶ Select **Free Driving Assist.**
- ▶ Select **Start.**  
Recovery mode is activated.
- ▶ Select **Stop** to stop recovery mode.

Recovery mode is automatically deactivated in the following situations:


- The effective speed is greater than 9 mph (15 km/h)
  - After a running time of 30 seconds
  - It is detected that an object has hit the underbody of the vehicle hard
  - Not all conditions are met
-  Further information on recovery mode (→ page 237).

### Individual wheel control

Individual wheel control enables the vehicle level to be set separately for each wheel.

- ▶ Select **Individual Wheel Ctrl..**
  - ▶ Set the vehicle level for the desired wheel.
-  You can also use the touch display to set the level for two or more wheels at the same time.
- ▶ Select **Reset** to set all wheels to the default setting.

Individual wheel control is automatically deactivated in the following situations:

- You are traveling faster than 9 mph (15 km/h)
  - It is detected that an object has hit the underbody of the vehicle hard
  - Not all conditions are met
-  Further information on individual wheel control (→ page 238).

## Parking Assist PARKTRONIC

### Function of Parking Assist PARKTRONIC

Parking Assist PARKTRONIC is an electronic parking assistance system with ultrasound. It monitors the area around your vehicle using six sensors on the front bumper and six sensors on the rear bumper. Parking Assist PARKTRONIC shows you the distance between your vehicle and a detected obstacle visually and audibly.

Parking Assist PARKTRONIC is only an aid. It is not a substitute for your attention to the surroundings. You are always responsible for safe