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A-Class
Mercedes-AMG Supplement

Mercedes-Benz



# **Publication details**

#### Internet

Further information about Mercedes-Benz vehicles and about Mercedes-Benz AG can be found on the following websites:

https://www.mbusa.com (USA only)

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## Documentation team

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## Vehicle manufacturer

Mercedes-Benz AG

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Germany

# Thank you for purchasing a Mercedes-AMG

Before you first drive off, read this Operator's Manual carefully and familiarize yourself with your vehicle. For your own safety and a longer operating lifespan of the vehicle, follow the instructions and warning notices in this Operator's Manual. Disregarding them may lead to damage to the vehicle or injury to people.

Damage to the vehicle resulting from the disregard of the instructions is not covered by the Mercedes-Benz Limited Warranty.

The standard equipment and product description of your vehicle may vary and depends on the following factors:

- Model
- Order
- National version
- Availability

Mercedes-AMG reserves the right to introduce changes in the following areas:

- Design
- Equipment

Technical features

The equipment in your vehicle may therefore differ from that shown in the descriptions and illustrations.

The following documents are integral parts of the vehicle:

- Digital Operator's Manual
- Printed Operator's Manual
- Maintenance Booklet
- · Equipment-dependent Supplements

Keep these documents in the vehicle at all times. If you sell the vehicle, always pass all of the documents on to the new owner.

Mercedes-Benz USA, LLC

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# 2 Contents

Symbols	3
At a glance	<b>4</b> 4
General notes Operator's Manual Operating safety Qualified specialist workshop Correct use of the vehicle Limited Warranty	6 6 6 7 7 8
Occupant safety Seat belts Airbags	<b>9</b> 9
Driving and parking	10 10 10 11 13

Function of the AMG steering-wheel buttons	19
Instrument Display and on-board	
computer	20
Notes on the Instrument Display and on-	
board computer	20
Calling up displays on the Performance	20
Function of the Head-up Display	22
MBUX multimedia system AMG TRACK PACE	<b>24</b> 24
Wheels and tires	30
Changing a wheel	30
Installing/removing the hub cap	30
Track tires	30
Technical data	31
Operating fluids	31
Vehicle data	32

Display messages and warning/indicator lamps	
Index	40

In this Operator's Manual, you will find the following symbols:

**DANGER** Danger due to not observing the warning notices

Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

Observe the warning notices.

ENVIRONMENTAL NOTE Environmental damage due to failure to observe environmental notes

Environmental notes include information on environmentally responsible behavior or environmentally responsible disposal.

Observe environmental notes.

NOTE Damage to property due to failure to observe notes on material damage

Notes on material damage inform you of risks which may lead to your vehicle being damaged.

Observe notes on material damage.

 These symbols indicate useful instructions or further information that could be helpful to you.

Instruction

 $(\longrightarrow page)$  Further information on a topic

Display

Information on the multifunction display/media display



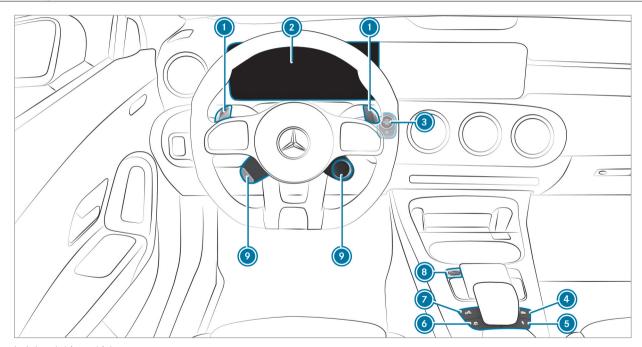
Highest menu level, which is to be selected in the multimedia system



Relevant submenus, which are to be selected in the multimedia system

Indicates a cause

# 4 At a glance - Cockpit



Left-hand-drive vehicles

	Steering wheel paddle shifters	$\rightarrow$	11	6 AMG adaptive sport suspension system	$\rightarrow$
	DRIFT MODE	$\rightarrow$	17	⑥ 🐉 ESP®	$\rightarrow$
2	Instrument Display	$\rightarrow$	20	Manual gearshifting	$\rightarrow$
3	Start/stop button	$\rightarrow$	10	O DYNAMIC SELECT switch	$\rightarrow$
4	AMG exhaust system	$\rightarrow$	10	<ul><li>AMG steering-wheel buttons</li></ul>	$\rightarrow$

#### Operator's Manual

This Supplement provides information on all the important functions of your AMG vehicle that are either not described or differ from the descriptions in the vehicle Operator's Manual. This information supplements or replaces the corresponding sections in the vehicle Operator's Manual. Under no circumstances does the Supplement replace the Operator's Manual.

This Supplement describes all models, and standard and optional equipment for your vehicle, as available at the time of going to press. Country-specific differences are possible. Bear in mind that your vehicle may not feature all functions described here. This is also the case for systems and functions relevant to safety. Therefore, the equipment on your vehicle may differ from that in the descriptions and illustrations.

The original purchase contract documentation for your vehicle contains a list of all of the systems in your vehicle.

Should you have any questions concerning equipment and operation, please consult an authorized Mercedes-Benz Center.

The Operator's Manual, the Supplement and the Maintenance Booklet are important documents and should be kept in the vehicle.

# **Operating safety**

WARNING Risk of accident due to malfunctions or system failures

To avoid malfunctions or system failures:

Always have the prescribed service and maintenance work as well any required repairs carried out at a qualified specialist workshop.

WARNING Risk of accident or injury due to incorrect modifications on electronic component parts

Modification of electronic components, their software or wiring could impair their function

and/or the function of other networked component parts or safety-relevant systems.

This can endanger the operating safety of the vehicle.

- Never tamper with the wiring and electronic component parts or their software.
- You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

Observe the "On-board electronics" section in "Technical data" in the vehicle Operator's Manual.

▲ WARNING Risk of fire due to flammable materials on hot parts of the exhaust system

Flammable material such as leaves, grass or twigs may ignite if they come into contact with hot parts of the exhaust system.

- When driving on unpaved roads or offroad, regularly check the vehicle underside.
- Remove trapped plants or other flammable material, in particular.
- If there is damage, consult a qualified specialist workshop immediately.

# NOTE Damage to the vehicle

In the following situations, in particular, there is a risk of damage to the vehicle:

- The vehicle becomes grounded, e.g. on a high curb or an unpaved road
- The vehicle is driven too fast over an obstacle, e.g. a curb, speed bump or pothole
- A heavy object strikes the underbody or chassis components

In situations such as this, the body, the underbody, chassis components, wheels or tires could be damaged without the damage being visible. Components damaged in this

way can unexpectedly fail or, in the case of an accident, may not absorb the loads that arise as intended.

If the underbody paneling is damaged, flammable materials such as leaves, grass or twigs can collect between the underbody and the underbody paneling. These materials may ignite if they come into contact with hot parts on the exhaust system.

Have the vehicle checked and repaired immediately at a qualified specialist workshop.

or

If driving safety is impaired while continuing your journey, pull over and stop the vehicle immediately in accordance with the traffic conditions, and contact a qualified specialist workshop.

# Qualified specialist workshop

An authorized Mercedes-Benz Center is a qualified specialist workshop. It has the necessary special skills, tools and qualifications to cor-

rectly carry out the work required on your vehicle. This particularly applies to safety-relevant works.

For the following, always have your vehicle checked at an authorized Mercedes-Benz Center:

- · Safety-relevant works
- · Service and maintenance work
- · Repair work
- Modifications as well as installations and conversions
- Work on electronic components

Mercedes-AMG recommends a Mercedes-Benz service center.

#### Correct use of the vehicle

If you remove any warning stickers, you or others could fail to recognize certain dangers. Leave warning stickers in position.

Observe the following information in particular when driving your vehicle:

· the safety notes in this manual

#### 8 General notes

- · technical data for the vehicle
- traffic rules and regulations
- laws and safety standards pertaining to motor vehicles

## Limited Warranty

NOTE Damage to the vehicle arising from violation of these operating instructions.

Damage to the vehicle can arise from violation of these operating instructions.

This damage is not covered either by the Mercedes-Benz implied warranty or by the New- or Used-Vehicle Warranty.

Follow the instructions in these operating instructions on proper operation of your vehicle as well as on possible vehicle damage.

#### Seat belts

# Limitations of the protection provided by the seat belt

The AMG sport seat and the AMG Performance seat are designed for the standard three-point seat belt. If you install a different multipoint seat belt, such as a four-point seat belt, the restraint system cannot provide the intended level of protection.

Depending on the vehicle equipment, there may be openings in the seat backrest. These openings have no function.

A

**WARNING** Risk of injury or fatal injury due to modified seat belt systems

If you feed seat belts through the opening in the seat backrest, the seat backrest may be damaged or may even break in the event of an accident.

- Only use the standard three-point seat belt.
- Never modify the seat belt system.

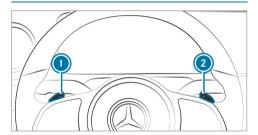
#### Airbags

Protection provided by the side airbag

Vehicles with AMG Performance seat: depending on the accident situation, the side airbag can increase the level of protection for the ribcage of the respective passenger in addition to a correctly fastened seat belt.

# Driving

#### **Function of Emotion Start**



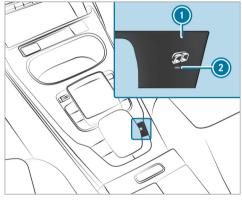
Start the vehicle with the start/stop button and simultaneously pull one of the steering wheel gearshift paddles ① or ②.

The idle speed is briefly increased upon starting the engine, and in the sporty characteristic (powerful) the engine sound is reproduced.

Follow the instructions for starting the vehicle in the vehicle operating instructions.

## AMG exhaust system

### Operating the AMG exhaust system



Press button ①.
 The sporty characteristic (Powerful) is selected when indicator lamp ② lights up.

#### DYNAMIC SELECT switch

#### Function of the DYNAMIC SELECT switch

Use the DYNAMIC SELECT switch to change between the following drive programs.

The drive program selected appears in the multifunction display of the on-board computer.

# Slippery

Optimized pulling away and driving characteristics in wintry and slippery road conditions

#### **C** Comfort

- · Comfortable driving style
- · Balance between traction and stability
- Recommended for city driving and stop-andgo traffic

#### Individual

Individual settings

#### s Sport

- · Sporty driving characteristics
- · Balance between stability and sportiness

 Only suitable for good road conditions, a dry road surface and a clear stretch of road

#### S+ Sport+

- Particularly sporty driving characteristics
- Accentuates the vehicle's own understeering and oversteering characteristics
- Only suitable for good road conditions, a dry road surface and a clear stretch of road

#### Race

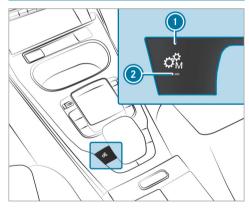
- · Racetrack-oriented driving characteristics
- All vehicle systems set for maximum sportiness
- Particularly firm suspension tuning of the AMG adaptive sport suspension system
- Must not be used on public roads
- Only suitable for use on cordoned off race circuits
- i The drive program S is available only for the Mercedes-AMG A 45 S 4MATIC model and vehicles with AMG DYNAMIC PLUS package.

Depending on the drive program selected, the following vehicle characteristics will change:

- Drive
- AMG Dynamics
  - The agility functions are automatically selected depending on the drive program.
  - The steering, shift timing point, drive and stabilization functions are adapted to the selected drive program.
  - When ESP® is activated, agility function Pro is selected in drive program [Name of the control of
- Characteristic of the exhaust system
- · Suspension tuning
- · Availability of glide mode
- i You can change the following vehicle characteristics using the buttons in the center console:
  - · Characteristic of the exhaust system
  - Suspension tuning of the AMG adaptive sport suspension system

• ESP®

# Automatic transmission Manual gearshifting



To activate/deactivate: press button ①. If indicator lamp ② is lit, manual gearshifting is activated. The current gear is displayed in the multifunction display.

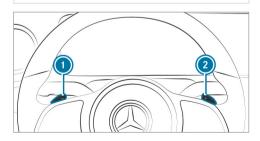
#### 12 Driving and parking

- i To permanently shift the gears manually in drive program using the steering wheel gearshift paddles, select the M (Manual) setting for the transmission.
- ! NOTE Damage to the engine due to shifting up too late

The automatic transmission does not shift up in manual mode even when the engine's limiting speed is reached.

The fuel supply is interrupted in order to prevent the engine from overrevving.

Shift up before the engine speed reaches the red area in the tachometer.



- To shift up: pull steering wheel gearshift paddle .
- ➤ To shift down: pull steering wheel gearshift paddle ①.



If the engine speed is too high or too low, you cannot change gear using the steering wheel gearshift paddles. In this case, segments light up red.

#### Glide mode function

With an anticipatory driving style, Glide mode helps you to reduce fuel consumption.

Glide mode is characterized by the following:

- The combustion engine is disconnected from the drivetrain and the vehicle continues to roll.
- The symbol appears in the multifunction display.

Glide mode is activated if the following conditions are met:

- The ECO start/stop function is switched on.
- Drive program is selected with the drive setting "Moderate" or "Reduced".
- The speed is within a suitable range.
- The road's course is suitable, e.g. no steep uphill or downhill inclines or tight curves.
- You are no longer depressing the accelerator or brake pedal.

Glide mode is deactivated again if one of the conditions is no longer met.

# Driving and driving safety systems

#### Functions of ESP®

WARNING Risk of skidding if ESP® is malfunctioning

If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilization. In addition, other driving safety systems are switched off.

- Drive on carefully.
- ► Have ESP® checked at a qualified specialist workshop.

You can select between the following modes of the Electronic Stability Program (ESP®):

- FSP® ON
- ESP® SPORT
- ESP® OFF

#### Characteristics when ESP® is activated

ESP® monitors and improves driving stability and traction, particularly in the following situations:

• When pulling away on wet or slippery road.

- · When braking.
- In strong side winds when you are driving faster than 47 mph (75 km/h).

ESP® can stabilize the vehicle by intervening in the following ways:

- One or more wheels are braked.
- The engine output is adapted according to the situation.

ESP® is activated every time the engine is started regardless of whether ESP® was in ESP® SPORT or deactivated before the engine was switched off.

If the ESP® warning lamp flashes in the instrument cluster, one or several wheels has reached its grip limit:

- Adapt the driving style to suit the prevailing road and weather conditions.
- Do not deactivate ESP® under any circumstances.
- Only depress the accelerator pedal as far as is necessary.

#### Characteristics of ESP® SPORT

**WARNING** Risk of skidding if ESP® SPORT is used incorrectly

When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.

Activate ESP® SPORT only in the circumstances described below.

When ESP® SPORT is activated, the and ESP SPORT warning lamps light up continuously in the instrument cluster.

Select ESP® SPORT when the vehicle's own oversteering and understeering characteristics are desired, e.g. on cordoned off roads.

Driving with ESP® SPORT or with ESP® deactivated requires an extremely qualified and experienced driver.

If FSP® SPORT is activated and one or more wheels start to spin, the ESP® warning lamp on the instrument cluster flashes. ESP®

#### 14 Driving and parking

then only stabilizes the vehicle to a limited degree.

ESP® SPORT also has the following characteristics:

- ESP® only improves driving stability to a limited degree.
- ETS/4ETS traction control is still active.
- The engine's torque is only restricted to a limited degree and the drive wheels can spin.
   The spinning of the wheels results in a cutting action for better traction on loose surfaces.
- ESP® continues to provide assistance when the brakes are firmly applied.
- · Crosswind Assist is no longer active.

#### Characteristics when ESP® is deactivated

▲ WARNING Risk of skidding if ESP<sup>®</sup> is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilization.

ESP® should only be deactivated in the following situations.

When ESP® is deactivated, the specified warning lamps light up continuously in the instrument cluster.

Deactivating ESP® has the following effects:

- Driving stability will no longer be improved.
- The drive wheels could spin.
- ETS/4ETS traction control is still active.
- · Crosswind Assist is no longer active.
- i Even when ESP® is deactivated, you are still assisted by ESP® when braking hard.

It may be best to activate ESP® SPORT or deactivate ESP® in the following situations:

- · When using snow chains.
- In deep snow.
- On sand or gravel.
- (i) Spinning the wheels results in a cutting action, which enhances traction.

(i) Activate ESP® as soon as the situations described above no longer apply. ESP® will otherwise not be able to stabilize the vehicle if the vehicle starts to skid or a wheel starts to spin.

If the SSP® warning lamp lights up continuously even when ESP® is activated, ESP® is not available due to a malfunction.

Observe any information which is displayed in the instrument cluster:

- Indicator and warning lamps
- · Display messages

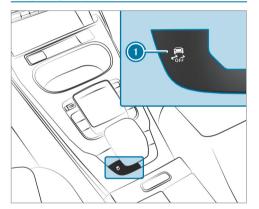
# ETS/4ETS (Electronic Traction System)

ETS/4ETS traction control is part of ESP®.

ETS/4ETS can improve the vehicle's traction by intervening in the following ways:

- The drive wheels are braked individually if they spin.
- More drive torque is transferred to the wheel or wheels with traction.

# Activating/deactivating ESP® (Electronic Stability Program)



To activate ESP® SPORT: briefly press button 

. The and spear warning lamps appear in the instrument cluster.

- To deactivate ESP®: press and hold button 1 until the 👼 and ESPOFF warning lamps appear in the instrument cluster.
- When you deactivate ESP® in the State drive program, AMG Dynamics automatically switches to the Master level.
- To activate ESP®: briefly press button 1. The , ESP SPORT and ESP OFF warning lamps go out.

Observe the information on warning lamps and display messages which are shown in the instrument cluster.

#### **RACE START**

#### Information on RACE START

RACE START enables optimal vehicle acceleration from a standstill. For this, a suitably highgrip road surface is required, the tires and vehicle must also be in good condition.

(i) RACE START is only available after the vehicle has been broken in.

(i) RACE START may not be used on normal roads. RACE START must only be activated and used on dedicated race circuits. not on public roads. Read the safety notes and information on

 $ESP^{\otimes}$  ( $\rightarrow$  page 13).

WARNING Risk of skidding and having an accident from wheels spinning

If you use RACE START, depending on the ESP® mode selected, there is an increased risk of skidding and having an accident.

Make sure that no persons or obstacles are in the close vicinity of your vehicle.

#### **Activating RACE START**

# Requirements:

- the driver's door is closed.
- the engine is running and the transmission and engine are at normal operating temperature.
- the steering wheel is in the straight-ahead position.

#### 16 Driving and parking

- the vehicle is on level ground.
- the vehicle is stationary, the brake pedal is depressed (left foot) and the parking brake is released.
- one of the drive programs S, s or
   S is selected (→ page 10).
- Rapidly depress the accelerator pedal fully. The engine speed increases. The RACE START Release brake to start message appears in the multifunction display. If the activation conditions are not fulfilled, RACE START cannot be activated. The RACE START Not Possible See Operator's Manual message appears in the multifunction display.
- Mercedes-AMG A 45 4MATIC and A 45 S 4MATIC: in this phase you can adjust RACE START depending on the road conditions: you can vary the engine speed by pulling on one of the steering wheel gearshift paddles. The segments in the multifunction display flicker rapidly.

- (i) If the brake pedal is not released after a short while, RACE START is canceled. The RACE START Canceled message appears in the multifunction display.
- take your foot off the brake, but keep the accelerator pedal depressed. The vehicle pulls away at maximum acceleration. The RACE START Active message appears in the multifunction display.

RACE START is deactivated immediately if you release the accelerator pedal during RACE START or if any of the activation conditions are no longer fulfilled. The RACE START Canceled message appears in the multifunction display.

(i) After using it several times in short succession, RACE START is unavailable until a certain distance has been driven.

#### **DRIFT MODE**

#### **Functions of DRIFT MODE**

(i) DRIFT MODE is available only for the Mercedes-AMG A 45 S 4MATIC model or for vehicles with AMG DYNAMIC PLUS package.

DRIFT MODE enables intentional unstable movement (drifting) and oversteering of the vehicle. All activation conditions must be fulfilled for this (ESP® deactivated, for example).

 Only a highly qualified and experienced driver should drive in DRIFT MODE. Read the safety notes and information on ESP<sup>®</sup> (→ page 13).

**WARNING** Risk of skidding and having an accident from wheels spinning

When you use DRIFT MODE, ESP® is not available.

There is an increased risk of skidding and having an accident.

- Do not use DRIFT MODE on normal roads.
- DRIFT MODE may only be activated and used on closed race circuits, not on public roads.

Make sure that no persons or obstacles are in the close vicinity of your vehicle.

From a speed of approximately 75 mph (120 km/h) up to 100 mph (160 km/h) DRIFT MODE is continuously deactivated. From a speed of 100 mph (160 km/h) DRIFT MODE is fully deactivated, but ESP® remains switched off. Below a speed of 100 mph (160 km/h) up to approximately 75 mph (120 km/h) DRIFT MODE is continuously activated.

i DRIFT MODE is only available after the vehicle has been broken in.

#### **Activating and deactivating DRIFT MODE**

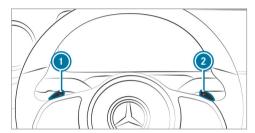
#### Requirements:

- ESP<sup>®</sup> is deactivated (→ page 15).
- Drive program  $\boxed{8}$  is selected ( $\rightarrow$  page 10).
- The doors, the hood and the trunk lid/tail-gate are closed.
- The engine is running and the transmission and engine are at normal operating temperature.

The transmission is in manual mode – manual shifting is activated (→ page 11).

#### **Activating DRIFT MODE**

You can activate DRIFT MODE at a speed of up to 60 mph (99 km/h).



Pull steering wheel gearshift paddles and and and hold for half a second.

If all activation conditions are fulfilled, the multifunction display shows the message DRIFT MODE Confirm: Paddle UP Cancel: Paddle DOWN and the warning lamp DRIFT flashes.

To cancel: pull steering wheel gearshift paddle (i).

The multifunction display shows the message DRIFT MODE Canceled and the DRIFT warning lamp goes out.

To confirm: pull steering wheel gearshift paddle .

The multifunction display shows the message DRIFT MODE Active and the DRIFT warning lamp lights up.

#### **Deactivating DRIFT MODE**

Pull steering wheel gearshift paddles 
and hold for half a second.
The message DRIFT MODE Active and the 
DRIFT warning lamp go out.

DRIFT MODE is automatically deactivated in the following situations:

- ESP® is activated.
- Manual shifting is deactivated the gearbox is in position D.
- The drive program is switched off.
- · The vehicle is switched off.

(i) After drifting and before continuing the journey, check the wheels and tires for damage. In particular, check the tire tread depth and tire contact surface over the entire width of the tires (see the vehicle Operator's Manual).

## AMG adative sport suspension system

# Function of AMG adaptive sport suspension system

The AMG adaptive sport suspension system is an electronically controlled damping system for improved driving comfort and increased driving safety.

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

- · Driving style, e.g. sporty
- · Road condition, e.g. bumps
- · The drive program selected
- The individual selection of the "Sport", "Sport Plus" or "Comfort" suspension setting

The suspension setting is dependent on the drive program selected via the DYNAMIC SELECT switch.

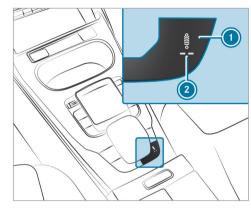
In addition, you can select the mode in every drive program individually via the AMG adaptive sport suspension system button in the center console. After a drive program is changed, the automatic suspension setting of the drive program is reactivated.

# Selecting the AMG adaptive sport suspension system setting

In "Comfort" mode, the driving characteristics of your vehicle are comfortable. Select this suspension setting if you prefer a comfortable driving style.

"Sport" driving mode ensures a firmer suspension setting. Select this suspension mode when employing a sporty driving style, e.g. on winding country roads.

"Sport Plus" driving mode ensures a very firm suspension setting.



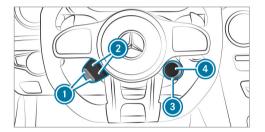
Press button • repeatedly until the selected setting is displayed.

Depending on the number of indicator lamps ② lit up, the following suspension setting is selected:

- 0 "Comfort" suspension setting
- 1 "Sport" suspension setting
- 2 "Sport Plus" suspension setting

The currently selected suspension setting is shown as a display message in the media display.

# Function of the AMG steering-wheel buttons



The AMG steering-wheel buttons are two additional control elements on the steering wheel.

You can assign two vehicle functions of your choice to the left control element. You can change between the available functions by pressing the display switches ② repeatedly. Display switch ② shows the currently selected functions.

The following functions are available:

- $ESP^{\otimes}(\rightarrow page 13)$
- AMG adaptive sport suspension system (→ page 18)
- AMG exhaust system(→ page 10)
- Manual gearshifting (→ page 11)
- AMG Dynamics (→ page 10)
- ECO start/stop function (see the vehicle Operator's Manual)

If you have assigned a function to one of display switches ②, you can operate this function with corresponding button ①.

The assignment of display switch ② remains stored even after a new engine start, but the operating status of the respective function is reset to the basic setting.

You can change between the drive programs with control knob ③. The drive program selected appears in display switch ④. Press display switch ④ to go directly to the drive program  $(\rightarrow)$  page 10).

## Notes on the Instrument Display and onboard computer

Additional notes regarding your Mercedes-AMG vehicle:

- If you activate manual gearshifting,  $(\rightarrow page 11)$  the upshift bar will appear on the multifunction or Head-up Display. In addition, the transmission position **M** (manual) and the current gear will appear on the transmission position display of the multifunction display.
- · Additional note regarding the indicator and warning lamps: the vehicle is also equipped with the ESP® [ ], ESP® OFF [ and ESP® SPORT ESP SPORT indicator and warning lamps ( $\rightarrow$  page 37).

You can select the following display content, for example:

- Tachometer with gear display
- Date and time
- Warm-up
- AMG TRACK PACE

- G-meter
- · Engine data
- SETUP
- Trip computer
- Navigation
- Media
- Telephone

AMG TRACK PACE is displayed on the left-hand section of the display. The warm-up, engine data. SETUP and G-meter menus are displayed on the right-hand section of the display.

#### Calling up displays on the Performance menu

On-board computer:

- **→** Performance
- To select a display: swipe upwards or downwards on the left-hand Touch Control.

Displays on the Performance menu:

- Warm-up
- · Engine data

- SETUP
- G-meter



Warm-up (example)

- Digital speedometer
- 2 Engine oil temperature
- Transmission oil temperature
- Boost pressure

If the engine or transmission is not at normal operating temperature, the multifunction display will show temperature ② or ③ in blue. Avoid using the full engine power output during this time.



Engine data (example)

- Current power output
- 2 Current torque

When the current power output ① or the current torque ② reaches the maximum value, the digital value will briefly be stationary. The bar display will continue.



SETUP in Mercedes-AMG vehicles (example)

- Drive system setting: Reduced/Moderate/Sport/Dynamic
- Transmission position:D/M
- AMG DYNAMICS:
   Basic/Advanced/Pro/Master
- Suspension tuning: Comfort/Sport/Sport+
- Exhaust system: Balanced/Powerful

#### Resetting the G-meter

While the vehicle is in motion, the G-meter shows the forces that are exerted on the vehicle occupants both laterally and in the direction of travel. The maximum values are represented by red markings.



G-meter (example)

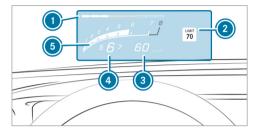
- Press the left-hand Touch Control.
- Select Yes.
- Press the left-hand Touch Control.

The Head-up Display projects the following information into the driver's field of vision above the cockpit, for example:

- · The vehicle speed
- Information from the navigation system
- Information from the driving systems and driving safety systems
- · Some warning messages

Depending on the vehicle's equipment, different content can be shown in the three areas of the Head-up Display.

#### Mercedes-AMG display content



- Protection from reaching the overrevving range
- Detected instructions and traffic signs
- 3 Current speed
- Currently selected gear; gearshift options for manual shifting
- Ourrent engine speed

Depending on the vehicle's equipment, you can select further AMG displays in addition to the standard displays on the Display Content menu. In vehicles with AMG TRACK PACE, you can display additional content:

- · Speed and gear display
- · Lap and sector times
- · Acceleration and braking
- Track layout graphics
- i The content that can be displayed will vary depending on the settings.

When you receive a call, the Incoming Call message will appear on the Head-up Display.

In audio mode, the station name or track will be shown temporarily when the audio source is being actively operated.

#### System limits

The visibility of the displays will be affected by the following conditions:

- Seat position
- · Image position setting
- · Ambient light conditions
- Wet road
- Objects on the display cover

- Polarization in sunglasses
- i In extreme sunlight, sections of the display may appear washed out. You can correct this by deactivating and reactivating the Head-up Display.

#### AMG TRACK PACE

#### **Function of AMG TRACK PACE**

With AMG TRACK PACE, the driving characteristics on race tracks can be analyzed and optimized. You can drive previously stored race tracks (e.g. Hockenheimring), or new tracks can be recorded and stored. The driven lap times are stored for every track. These can be analyzed and compared to other lap times to achieve the best possible race results. Additionally, acceleration and braking procedures can be measured and stored.

Please note: use AMG TRACK PACE only on closed off routes outside the public traffic area. Adapt your driving style to your personal performance and environmental conditions. As the driver, you are solely responsible for driving your vehicle. Park your vehicle safely before operating the application.

#### **Setting Track Race**

Multimedia system:

→ TRACK PACE ➤ Track Race

#### Recording a new track

- Select New Track .
- Select Start Record. at the desired starting point.

  The track recording starts at this point.

During track recording, sectors can be set to divide up the track.

- Select Set Sector.
- Select Stop Recording to end track recording or cross the starting line again.
- Confirm the prompt with
- Select the weather.
- i The temperature is determined automatically.
- After ending, select 🗸 to save the track.
- Enter a name.

Press OK to confirm.
 The track is saved under the name entered.

## Searching by track name

- Select All Tracks .
- Enter the track name. Tracks with the searched name are displayed.

#### Measuring time on a saved track

- Select All Tracks .
- Select the desired track.
- Select .....
- Select Start Race if you are already stood at the starting line.

or

Select Navigate to for navigation to the starting line.

Timekeeping begins automatically when the starting line has been crossed.

- (i) When  $\blacktriangle_{AR}$  is selected, the track display can be switched to AR.
- Select Stop Race to end timekeeping.

- Confirm the prompt with OK.
- Select the weather.
- Select Save Track to save the times driven for this track.

### Showing displays during Track Race

The following displays can be shown:

- Tire temperature
- Mini map
- · Sector overview
- Engine data
- · G-force display
- Lap overview
- Select Start Race.

- Select Setup.
- Pull the desired display from the grid on the left or right edge of the media display.
   The displays are shown during the Track Race.

By selecting  $\boxed{\times}$  on the active display, you can deactivate this.

Select <u>t</u> to return to the navigation map view.

#### Displaying the analysis

- Select All Tracks .

  An overview of all the driven tracks appears.
- Select a track.
- Select a session.

The following data is displayed:

- · Lap and sector times
- Average and maximum permissible speed
- Driver

- Vehicle
- Date
- Weather
- Select Compare to Rec. to use a different session as a reference value.
- Select to return to the overview.
- Select Diagram.
- Set parameters  $P_{\odot}$  and  $P_{\odot}$ . The analysis is displayed.

## 26 MBUX multimedia system



- Lap overview
- Parameter 1
- 3 Parameter 2
- Trajectory of parameter 1 (e.g. time)
- **⑤** Trajectory of parameter 2 (e.g. speed)
- i The following values can be set for parameters 1 and 2, for example:
  - Speed

- Longitudinal/lateral acceleration
- Steering angle
- · Engine speed
- Engine oil/tire temperature

Based on the analysis you can check and optimize driving characteristics for any position on the track.

# Exporting tracks (USB)

- Select Tracks.
- An overview of all stored tracks appears.
- Select the desired track.
- Select options ••• for the desired track.
- Select Export.

The selected track can be exported to a USB storage device connected to the vehicle.

#### Editing tracks and recordings

- Select Tracks.
- Select the desired track.
- Select options for the desired track.
- Select Rename or Delete.

or

- Select a track.
- Highlight the desired recording.
- Select options.
- Select Export to... or Delete.

## **Setting Drag Race**

Multimedia system:

→ TRACK PACE → Drag Race

#### Measuring acceleration

- Select Drag Options.
- Select Acceleration.
- Set a starting speed or select Automatic. Measurement begins as soon as the specified starting speed has been reached.

Set a target speed.

Measurement stops as soon as the specified target speed has been reached.

Pull away and start the measurement.
 Measurement begins when the vehicle accelerates.

Measurement can be stopped early by stopping the vehicle.

#### Quarter-mile race

- Select Drag Options.
- Select Quarter Mile.
- Set a target distance.
   Measurement stops as soon as the specified target distance has been reached.
- Pull away and start the measurement.
   Measurement begins when the vehicle accelerates. Timing runs until the target distance or a maximum of one mile has been traveled.

Measurement can be stopped early by stopping the vehicle.

#### Measuring braking

- Drag Options
- Select Braking.

reached.

- Set a starting speed or select Automatic.
- Pull away and start the measurement.
- Brake to a standstill. Measurement is incremental, in steps of 5 mph (10 km/h) to a standstill. If the braking procedure is started e.g. at a speed of 58 mph (157 km/h), measurement starts as

Storing and calling up measurement values If measurement is completed or canceled, a prompt appears asking whether the measurement should be saved.

soon as 55 mph (150 km/h) has been

Confirm the prompt with to save.

### Calling up saved measurements

- ► Select **:=** History.
- Select Acceleration, Quarter Mile or Braking.

#### 28 MBUX multimedia system

Select a measurement. The desired measurement is displayed in detail.

01

Delete a measurement.

#### Calling up the telemetry display

Multimedia system:

**TRACK PACE ▶** Telemetry

The telemetry display shows current vehicle data as a digital value and as a diagram. Up to three parameters can be selected that are to be shown in the display.

For example:

- Engine speed
- Wheel angle
- Speed
- Steering angle
- Set the desired parameters.

Set the time.
The set parameters are evaluated in the diagram for the time set.

## **Configuring AMG TRACK PACE**

#### Requirements:

To connect a mobile device to the TRACK PACE app:

- The TRACK PACE app is installed on the mobile end device.
- The mobile end device is connected to the multimedia system via Wi-Fi.

Multimedia system:

**¬→** TRACK PACE **>>** Options

# Connecting a mobile device via the TRACK PACE app

The TRACK PACE app makes it possible to record videos and to synchronize them with stored tracks.

Select TRACK PACE App.

- Select AUTHORIZE NEW DEVICE.
   Available devices are displayed.
- Start the TRACK PACE app on the device to be connected and follow the instructions.
- Confirm the authorization prompt.
- Scan the QR code on the media display. The device is authorized.

#### De-authorizing the mobile device

- Select TRACK PACE App.
- Select De-authorize device.
- Select a device.
- Confirm the message prompt with Yes. The device is de-authorized.

### Setting the TRACK PACE display in the Headup Display

- Select HUD Content.
- Activate or deactivate the desired contents. The contents in the Head-up Display are adapted.
- (i) For further information on the Head-up Display, see (→ page 22).

## Setting acoustic feedback

- Select Acoustic feedback.
   A scale with values from 0 to 85 is shown.
- Select a setting.

# Displaying statistics

Select Statistics.

Statistics on the current user profile are displayed.

The following data is displayed:

- · Driving time
- Track driven
- · Tracks recorded
- · Track Races recorded
- Laps recorded
- Drag Races recorded
- Maximum design speed

# Activating the ambient light

If this function is active, the vehicle interior is lit red or green depending on Delta Time.

Select Ambient light.

Activate or deactivate the function.

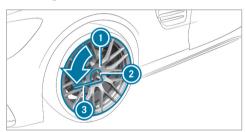
#### 30 Wheels and tires

#### Changing a wheel

Be sure to also observe the notes on changing a wheel in the Operator's Manual of your vehicle.

#### Installing/removing the hub cap

#### Removing



- Remove socket ② and lug wrench ③ from the vehicle tool kit.
- Position socket ② on hub cap ①.
- Position wheel wrench (3) on socket (2).

Using wheel wrench ③, turn hub cap ① counter-clockwise and remove it.

#### Installing

- Before installing, check hub cap and the wheel area for dirt, and clean if necessary.
- Position hub cap (1) and turn until it is in the right position.
- Position socket ② on hub cap ①.
- Position lug wrench (3) on socket (2) and tighten hub cap (1).
   Specified tightening torque: 18 lb-ft (25 Nm).

#### Track tires

Track tires are sports tires, which can be distinguished by their special tire tread and tire compound. These characteristics combine to provide significantly higher levels of grip on a dry road surface than conventional tires.

**WARNING** Risk of accident due to the tire tread depth diminishing more quickly

Due to the tire compound, the tire tread depth can diminish more quickly on these tires than on customary tires.

Driving at low temperatures of 50°F (10°C) and below, rain and bodies of water can lead to hydroplaning and, as a result, loss of control of the vehicle.

- When the roads are wet and/or in low temperatures, replace tires with suitable tires in good time.
- In the case of sudden rain, drive extremely carefully and slowly, especially when the roads are wet or in low temperatures.

## Operating fluids

#### Fuel

# Notes on fuel grades for Mercedes-AMG vehicles

Observe the notes on operating fluids in the vehicle Operator's Manual.

NOTE Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

Only refuel with low-sulfur gasoline.

This fuel may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

Never refuel with one of the following fuels:

- Diesel
- Gasoline with more than 10% ethanol by volume, e.g. E15, E85, E100

- Gasoline with more than 3% methanol by volume, e.g. M15, M30, M85, M100
- Gasoline with additives containing metal

If you have accidentally refueled with the wrong fuel:

- do not switch the ignition on.
- Consult a qualified specialist workshop.

If the available fuel is not sufficiently low in sulfur, this can produce unpleasant odors.

Only refuel using unleaded premium grade gasoline with at least 91 AKI/95 RON.

As a temporary measure, if the recommended fuel is not available, you may also use unleaded regular gasoline. Octane number on the vehicle on the information label in the fuel filler flap (see the vehicle Operator's Manual). Filling up with unleaded regular gasoline can reduce engine output and increase fuel consumption.

Never refuel using gasoline with an even lower RON.

NOTE Premature engine wear through unleaded regular gasoline

Impairment of the longevity and performance of the engine.

If unleaded premium grade gasoline is unavailable and you have to refuel using unleaded regular gasoline:

- Only fill the fuel tank to half full with unleaded regular gasoline and refill as soon as possible with unleaded premium grade gasoline.
- Do not drive at the maximum design speed.
- Avoid sudden acceleration and engine speeds over 3000 rpm.

Further information on fuel is available at the following locations:

- At a gas station
- · At a qualified specialist workshop
- USA only: at https://www.mbusa.com

#### 32 Technical data

#### Tank content and reserve fuel

Model	Total capacity
All models	13.4 gal (51.0 liters)
Model	Of which reserve

# Quality and capacity of engine oil

Model	MB-Freigabe or MB- Approval
All models	229.51, 229.52, 229.61
	229.71*

<sup>\*</sup> Recommended for lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes).

To achieve the lowest possible fuel consumption, it is recommended to use the engine oil specifications marked in the table for the lowest SAE

viscosity class. Possible restrictions of the approved SAE viscosity classes must be observed.

(i) Refill the oil level to the maximum before extreme changes of direction or using race-track mode.

The following values refer to an oil change, including the oil filter.

Model	Capacity	
All models	5.8 US qt (5.5 liters)	

# **Coolant capacity**

Model	Capacity	
All models	8.7 US qt (8.2 liters)	

# Filling capacity for refrigerant and PAG oil

Missing values were not available at time of going to print.

Model	Refrigerant
Mercedes-AMG A 35 4MATIC (Sedan)	
Mercedes-AMG A 35 4MATIC (Compact Sedan)	
Model	PAG oil
Mercedes-AMG A 35 4MATIC (Sedan)	
Mercedes-AMG A 35 4MATIC (Compact Sedan)	

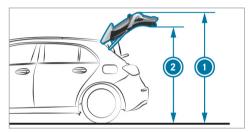
# Vehicle data

## Vehicle dimensions

The heights specified may vary as a result of the following factors:

- Tires
- Load

- Condition of the suspension
- Optional equipment



# Height when opened and headroom

Model	Height when opened	Plead-room	
Mercedes-AMG A 35 4MATIC (Sedan)	77.1 in (1957 mm)	71.2 in (1808 mm)	

# Height when opened

Model	<ul><li>Height when opened</li></ul>
Mercedes-AMG A 35 4MATIC (Compact Sedan)	

#### Vehicle dimensions

Mercedes-AMG A 35 4MATIC (Sedan)	
Vehicle length	174.7 in (4436 mm)
Vehicle width including outside mirrors	78.4 in (1992 mm)
Vehicle height	55.3 in (1405 mm)
Wheelbase	107.4 in (2729 mm)
Turning radius	37.86 ft (11.54 m)

Mercedes-AMG A 35 4MATIC (Compact Sedan)	
Vehicle length	179.5 in (4558 mm)
Vehicle width including outside mirrors	78.4 in (1992 mm)
Vehicle height	55.6 in (1411 mm)
Wheelbase	107.4 in (2729 mm)
Turning radius	37.86 ft (11.54 m)

# Weights and loads

Please observe the following notes for the specified vehicle data:

• Items of optional equipment increase the curb weight and reduce the payload.

## 34 Technical data

Model	Maximum roof load
All models	221 lb (100 kg)

# Maximum design speeds

The following values only apply to vehicles with the AMG Driver's Package.

# **Sedan and Compact Sedan**

	Mercedes-AMG A 35 4MATIC
1st gear	28 mph (45 km/h)
2nd gear	45 mph (72 km/h)
3rd gear	71 mph (114 km/h)
4th gear	104 mph (168 km/h)
5th gear	141 mph (227 km/h)
6th gear	155 mph (250 km/h)
7th gear	155 mph (250 km/h)

# Display messages

# **Driving systems**

Display messages	Possible causes/consequences and ▶ Solutions
RACE START Not Possible See Operator's Manual	<ul> <li>* Possible causes:</li> <li>• The conditions for activation are not met (→ page 15).</li> </ul>
RACE START Canceled	<ul> <li>Possible causes:</li> <li>You released the accelerator pedal during RACE START.</li> <li>You depressed the brake pedal during RACE START.</li> <li>You can try RACE START again at the next start.</li> </ul>
DRIFT MODE Currently Unavailable See Operator's Manual	<ul> <li>* Possible causes:</li> <li>• The activation conditions have not been fulfilled (→ page 17).</li> </ul>
Malfunction Drive at Max. 50 mph	* AMG adaptive sport suspension system is malfunctioning. The vehicle's handling characteristics may be affected.  Do not drive at speeds greater than 50 mph (80 km/h).  Consult a qualified specialist workshop.

# 36 Display messages and warning/indicator lamps

Display messages	Possible causes/consequences and ▶ Solutions
AMG Suspension System Function Limited See Oper- ator's Manual	* One or more main functions of the AMG adaptive sport suspension system is malfunctioning.  The system is outside the operating temperature range or the on-board electrical system voltage is too low.  Once the cause of the problem is no longer present, the system will be available again.
	<b>NOTE</b> The vehicle's suspension and damping behavior is restricted. The vehicle body may tilt heavily to the side during cornering.
	<ul> <li>Drive on carefully.</li> <li>Reduce speed considerably before taking a bend.</li> <li>Avoid sudden steering movements.</li> </ul>
	<ul> <li>Drive on carefully.</li> <li>Reduce speed considerably before taking a bend.</li> <li>Avoid sudden steering movements.</li> </ul>

# Warning and indicator lamps

#### **Driving systems**

# Warning/indicator lamp



Suspension warning lamp (yellow)

# Possible causes/consequences and ▶ Solutions

- \* The yellow AMG adaptive sport suspension system warning lamp is lit. There is a malfunction in the AMG adaptive sport suspension system.
- Note the messages on the multifunction display.

# **Driving safety systems**

## Warning/indicator lamp



# Possible causes/consequences and ▶ Solutions

\* The yellow ESP® OFF warning lamps are lit while the engine is running. ESP® is deactivated.

Other driving systems and driving safety systems may also be inoperative.

**AWARNING** Risk of skidding when driving with ESP® deactivated

ESP® does not act to stabilize the vehicle. The availability of further driving safety systems is also limited.

Drive on carefully.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	Deactivate ESP® only for as long as the situation requires.
	If ESP® cannot be activated, ESP® is malfunctioning.  Have ESP® checked immediately at a qualified specialist workshop.
	ightharpoonup Observe the notes on deactivating ESP <sup>®</sup> ( $ ightharpoonup$ page 13).
OFF ESP SPORT	* ESP® SPORT is activated while the engine is running. When ESP® SPORT is activated, ESP® will stabilize the vehicle only to a limited extent.
	<b>▲WARNING</b> Risk of skidding if ESP <sup>®</sup> SPORT is used incorrectly
	When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.  Activate ESP® SPORT only in the circumstances described below.
	▶ Observe the notes on activating ESP $^{\otimes}$ SPORT( $\rightarrow$ page 13).
DRIFT	* DRIFT MODE is activated while the engine is running.
	▲WARNING Risk of skidding and having an accident from wheels spinning
DRIFT MODE warning lamp	When you use DRIFT MODE, ESP <sup>®</sup> is not available.  There is an increased risk of skidding and having an accident.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	<ul> <li>Do not use DRIFT MODE on normal roads.</li> <li>DRIFT MODE may only be activated and used on closed race circuits, not on public roads.</li> <li>Make sure that no persons or obstacles are in the close vicinity of your vehicle.</li> </ul>
	ightharpoonup Observe the notes on activating DRIFT MODE ( $ ightharpoonup$ page 16).

A Airbag see Side airbag  AMG  Menu (on-board computer)	Oil temperature (on-board computer	Cockpit         4           Overview         4           Coolant (engine)         32           Capacity         32           D         Dashboard           see Cockpit         Dealership
Selecting the suspension setting	Boost pressure (on-board computer, Performance menu)	see Qualified specialist workshop  Display messages  Malfunction Drive at Max. 50  mph
AMG TRACK PACE         28           Configuring         28           Drag Race         27           Function         26           Telemetry display         28           Track Race         24           Authorized Mercedes-Benz Center         see Qualified specialist workshop	7 Removing a wheel	Limited See Operator's Manual

# 42 Index

Menu (on-board computer)	R	Specialist workshop	7
AMG displays	RACE START Activating	Sport tires Notes	30
0	Activation conditions	Start/Stop button Emotion Start	10
On-board computer         20           AMG menu         20           Performance menu         20	<b>Reserve</b> Fuel	Steering wheel paddle shifters	11
Operating fluids Fuel (gasoline)	Roof load	Suspension  AMG adaptive sport suspension sys-	
Operating safety Information	Seat belts Reduced protection	tem	
P	see Changing gears Service center	Tank content Fuel	
Performance (on-board computer, Performance menu)	see Qualified specialist workshop SETUP (on-board computer, Perform-	Reserve (fuel)	
Power output (on-board computer, Performance menu)	ance menu)	Calling up	
Qualified specialist workshop 7	Side airbag9Protection9	formance menu)	

Tires Installing	30 30	Turning radius	32 32 32
Torque (on-board computer, Performance menu)	20	Vehicle dimensions	32
Track Race		W	
Setting  Track tires	24	Warm-up (on-board computer, Performance menu)	20
Notes	30	Warning/indicator lamp	
Trunk lid		DRIFT DRIFT MODE warning lamp	38
Opening dimensions	32	Suspension warning lamp (yel-	00
V		low)	37
Vehicle		Warranty	. 8
Correct use	7	Wheel change	
Equipment		Mounting a new wheel	30
Limited Warranty	. 8	Wheels	
Qualified specialist workshop		Grip	30
Starting (Emotion Start)	10	Installing	
Vehicle data		Removing	30
Maximum speeds		Workshop	
Roof load	33	see Qualified specialist workshop	

