Travel Assist

Introduction to the topic

Travel Assist combines Adaptive Cruise Control (ACC) with adaptive lane guidance. Within the system limits, this enables the driver to keep the vehicle at a preselected distance from the vehicle in front and stay in a predefined position within the lane.

Travel Assist uses the same sensors as the Adaptive Cruise Control (ACC) and the lane keeping system (Lane Assist). Please read the information on ACC (\rightarrow ACC) and Lane Assist (\rightarrow Lane keeping system (Lane Assist)) carefully and observe the listed system limits and instructions.

Speed range

Travel Assist regulates at speeds between around 30 km/h (approximately 20 mph) and around 210 km/h (approximately 130 mph). Adaptive lane guidance can be used at speeds between 0 km/h (0 mph) and around 250 km/h (approximately 155 mph). This speed range may differ in certain markets.

Driving with Travel Assist

Travel Assist controls the accelerator, brake and steering automatically. Within the system limits, Travel Assist can decelerate the vehicle to a standstill behind a vehicle that is stopping. It can also start driving again by itself.

You can override Travel Assist regulation at any time.

Auto lane changing (depending on vehicle equipment)

When you set a turn signal, the vehicle can perform auto lane changing on motorways within the system limits if sufficient space has been detected surrounding the vehicle.

Auto lane changing uses the same sensors as the lane change system (Side Assist). You should therefore read the information on Side Assist (-> Lane change system (Side Assist)) carefully and observe the system limits and warnings listed there.

Does the vehicle have Travel Assist?

The vehicle is fitted with Travel Assist if the button appears on the multifunction steering wheel.

Displays

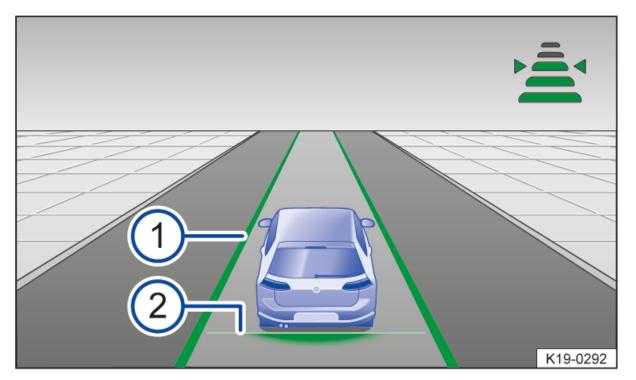


Fig. 1 On the instrument cluster display: active regulation displayed.

- 1 Adaptive lane guidance active.
- 2 Set distance.

With some equipment levels, a display is also shown on the Head-up Display (\rightarrow Head-up display).

Indicator lamps on the instrument cluster display also show the status of Travel Assist:

- Travel Assist active, Adaptive Cruise Control and adaptive lane guidance active.
- Travel Assist active, Adaptive Cruise Control active, adaptive lane guidance passive.
- Travel Assist active, Adaptive Cruise Control passive, adaptive lane guidance active.
- Travel Assist active, Adaptive Cruise Control passive, adaptive lane guidance passive.

Driver intervention prompt

If you take your hands off the steering wheel, the system prompts you within a few seconds to take over active steering by way of acoustic warnings and a display on the instrument cluster.

If you do not react to this, the system provides an additional warning by means of a short braking jolt and, with some equipment levels, by briefly tensioning the seat belt. Travel Assist is then deactivated or Emergency Assist (with some equipment levels) is activated.

▲ WARNING

The intelligent technology used in Travel Assist cannot overcome the physical limits specified, and functions only within the limits of the system. Careless or unintentional use of Travel Assist can cause accidents and serious injuries. The system is not a substitute for the full concentration of the driver.

- Observe the system limits and notes on Adaptive Cruise Control (ACC) and the lane keeping system (Lane Assist).
- Observe the system limits and the information on the lane change system (Side Assist).
- Adapt your speed and the distance from the vehicles ahead to suit visibility, weather, road and traffic conditions.
- Never use Travel Assist in poor visibility, on steep or winding roads, or on slippery road surfaces, e.g. due to snow, ice, wet roads, loose chippings, or on flooded roads.
- Never use Travel Assist offroad or on unsurfaced roads. Travel Assist is designed for use on surfaced roads only.
- Travel Assist does not react to persons, animals or vehicles crossing or approaching in the same lane.
- Brake immediately if the speed reduction by Travel Assist is not sufficient.
- Brake immediately if a request to brake appears on the instrument cluster display.
- Brake if the vehicle starts rolling unintentionally after a request to brake.
- Your hands should always be on the steering wheel so that you are ready to steer at any time. The driver is always responsible for staying in the lane.
- Take control of the vehicle immediately if a driver intervention prompt appears on the instrument cluster display.
- Be prepared to control the speed yourself at all times.

Operating Travel Assist

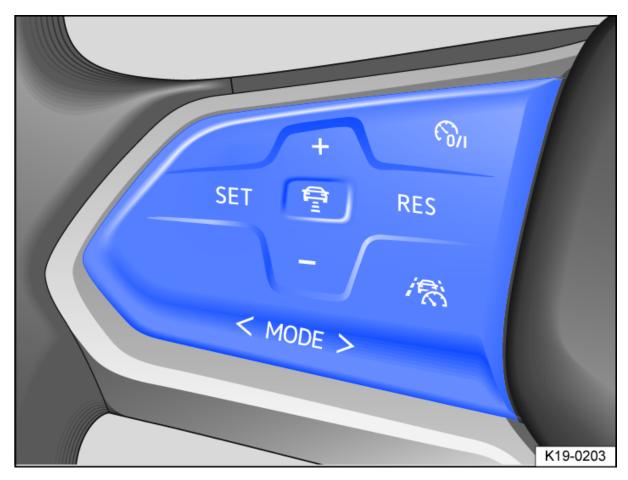


Fig. 1 Left-hand side of the multifunction steering wheel: buttons for operating Travel Assist.

Switching on

—Press the 🔊 button on the multifunction steering wheel.

The indicator lamp realights up green. A message is also shown on the instrument cluster display. Travel Assist maintains the current speed and the preset distance from the vehicle in front At the same time, the vehicle is kept in lane by steering movements if road lane markings are detected.

Cancelling control

—Briefly press the M button or depress the brake pedal.

The set distance remains stored.

Making other settings

The other operating functions of Travel Assist correspond to operation of ACC (\rightarrow ACC).

Using auto lane changing

Prerequisites

Auto lane changing is available only on multi-lane motorways that are included in the navigation data of the Infotainment system and from a speed of around 90 km/h (around 55 mph).

Delayed response

If the sensor system is exposed to environmental conditions that impair sensor functioning, the system may detect this only after a certain delay. For this reason, any restrictions to functions may be displayed only after a delay at the start of the journey and when driving .

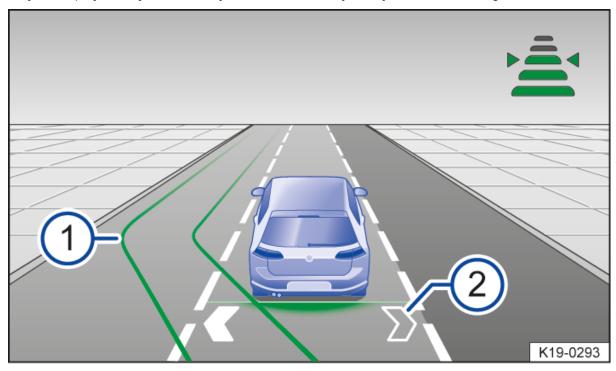


Fig. 1 On the instrument cluster display: auto lane changing displays.

- 1 Lane highlighted, lane change possible.
- 2 Arrows on own lane, auto lane changing available.

No graphic views will be displayed for auto lane changing if the navigation view is selected on the instrument cluster display. The following symbols will be shown instead:

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Lane change system switched on.
Lane change to right possible.
Lane change system switched on. Lane change to right possible.
Lane change system switched on. Lane change to left possible.
Lane change system switched on. Lane change to left and right possible.
Lane change system switched on. Lane change to left taking place.
Lane change system switched on. Lane change to left taking place.
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Switching on auto lane changing

If Travel Assist was switched on when joining a motorway, a message will be displayed indicating that auto lane changing is available. This will also be displayed on the instrument cluster display.

—Press the [Æ] button.

Auto lane changing is switched on, but is passive.



If Travel Assist was not switched on when joining a motorway, auto lane changing will be switched on together with Travel Assist.

Changing lane



WARNING

The sensor system cannot reliably detect all surrounding objects and functions only within the system limits. If you do not take care when using the auto lane changing function, this can cause accidents and serious injuries. The system is not a substitute for the full concentration of the driver.

- Before every lane change, check to make sure that this is possible safely. Particularly objects that are approaching quickly may not be detected in good time.
- Keep your hands on the steering wheel at all times and be prepared to control the vehicle speed and direction of travel yourself.

If the system has not detected any objects in the detection range of the sensor system, the corresponding lane will be highlighted on the instrument cluster display.

—Operate the convenience turn signal for the corresponding side.

The vehicle now changes lane.

Troubleshooting

Travel Assist is not available or does not function as expected.

The indicator lamp lights up yellow. A message will also appear on the instrument cluster display.

- —There is a fault in the sensor system. Check the causes and remedies described in the ACC (\rightarrow ACC) or Lane Assist (\rightarrow Lane keeping system (Lane Assist)) sections.
- —The system limits have been exceeded.
- —If the fault persists, go to a qualified workshop.

or take over steering.

The warning light illuminates white or red, depending on how urgent your intervention is. A text message is also displayed.

- —You have released the steering wheel for a few seconds. Touch the steering wheel and take over the vehicle guidance.
- —The system limits have been reached. Touch the steering wheel and take over the vehicle guidance.

Travel Assist switches off automatically.

- Vehicles without Emergency Assist: You have released the steering wheel for an extended period of time.
- —Malfunction. Go to a qualified workshop.

The control system is interrupted unexpectedly.

— Vehicles without auto lane changing: You have activated the turn signal.

Auto lane changing not available.

The indicator lamp lights up yellow. A message will also appear on the instrument cluster display.

- —There is a fault in the sensor system. Check the causes and remedies described in the sections on the lane change system (Side Assist) (→ Lane change system (Side Assist)).
- —If the fault persists, go to a qualified workshop.

Auto lane changing is aborted.

A message is shown on the instrument cluster display.

- —The vehicle has no longer detected a road lane marking.
- —You have let go of the steering wheel.
- —You have steered or counter-steered too strongly.

- —You have activated the turn signal several times or the turn signal and main beam lever is engaged in position.
- —The vehicle has detected objects in the area around the vehicle that prevent auto lane changing.