

Troubleshooting

📖 Please refer to ⚠️ at the start of the chapter on page 159.

🔧 Front Assist is starting up.

The indicator lamp lights up.

- Front Assist is temporarily unavailable or limited. Front Assist is available after driving straight ahead for a short time, and the indicator light goes out. When the vehicle is not in motion, the indicator lamp lights up continuously.

🔧 Front Assist not available or functions restricted.

The indicator lamp lights up yellow and a text message is also displayed.

- The radar sensor or camera window is dirty. Clean the radar sensor and windscreen → page 355.
- The view of the radar sensor or camera is impaired due to the weather conditions, e.g. snow, or due to detergent deposits or coatings. Clean the radar sensor and windscreen → page 355.
- The view of the radar sensor is impaired by add-on parts, the trim frames of number plate holders or stickers. Keep the area around the radar sensor free.
- The view of the camera is impaired by add-on parts or stickers. Keep the area around the camera window free.
- The radar sensor or camera has been displaced or damaged, e.g. due to damage to the front of the vehicle or the windscreen. Check whether damage is visible → page 362.
- Paint work or structural modifications were carried out on the front of the vehicle.
- If the problem persists, switch off Front Assist and go to a qualified workshop.

Front Assist does not function as expected or is triggered unnecessarily several times.

- The radar sensor or camera window is dirty. Clean the radar sensor and windscreen → page 355.
- The system limits have been exceeded → page 162.
- Low sun or darkness.
- If the problem persists, switch off Front Assist and go to a qualified workshop.

Touch panels react differently than expected.

Moisture, dirt and grease can impede the functioning of the touch panels.

- Make sure the touch panels are always clean and dry.



Lane keeping system (Lane Assist)

📖 Introduction to the topic

Within the system limits, the lane keeping system (Lane Assist) helps the driver to stay in lane. The function is not designed to keep the vehicle in lane automatically, nor is it suited to this purpose.

Using a camera in the windscreen, the lane keeping system detects road lane markings on the road. If your vehicle moves too close to a recognised road lane marking, the system will warn the driver with a corrective steering intervention. The corrective steering intervention can be overridden by the driver at any time.

System limits

Use the lane keeping system only on motorways and well-developed country roads.

The system is not ready to intervene on both sides under the following conditions (passive system status):

- The vehicle speed is under 55 km/h (approximately 30 mph).
- The lane keeping system has not detected a road lane marking on either side.
- In tight bends.
- Temporarily if the driving style is very dynamic.
- When the turn signal is switched on before changing lane manually.
- If the driver vigorously oversteers a system intervention.
- A road lane marking is crossed despite a system intervention.
- The driver does not react to a driver intervention prompt.

WARNING

The intelligent technology used in the lane keeping system cannot overcome physical limitations, and functions only within the limits of the system. Always take care when using the lane keeping system otherwise you could cause accidents or injuries. The system is not a substitute for the full concentration of the driver and their steering.

- Adapt your speed and distance from the vehicles ahead to suit visibility, weather, road and traffic conditions.
- Your hands should always be on the steering wheel so that you can steer at any time. The driver is always responsible for staying in the lane.
- The lane keeping system cannot recognise all road lane markings. In certain circumstances, the lane keeping system may detect poor road surfaces, road structures or objects incorrectly as road lane markings. Immediately override any undesired intervention by the system.
- Observe the information on the instrument cluster display and respond according to the prompts, if permitted by the traffic situation.

- In the following situations undesired intervention by the lane keeping system can occur or no control assistance is provided by the lane keeping system. This means that it is crucial that the driver is attentive in these situations. It may be necessary to switch off the lane keeping system temporarily:

- Very sporty driving.
- In poor weather conditions and when driving on poor roads.
- Driving through road works.
- Over hill tops or through dips.

- Always observe the area around the vehicle with care and watch the road ahead while driving.
- If the camera's field of view is dirty, covered or damaged, the function of the lane keeping system may be impaired.



Driving with the lane keeping system

 Please refer to  at the start of the chapter on page 165.

Switching on and off

Depending on country, the lane keeping system is always switched on when the ignition is switched on. You can also switch the lane keeping system on and off in the Assist systems menu of the Infotainment system and view the current system status there.

The lane keeping system (Lane Assist) is also switched on when the comfort drive function (Travel Assist) is switched on.



If there is a system fault, the lane keeping system can deactivate itself automatically.

Speed range

When road lane markings can be detected, the lane keeping system is ready to intervene at speeds above around 60 km/h (35 mph)

within the system limits (system status active).

Displays

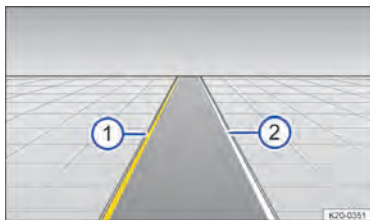


Fig. 110 On the instrument cluster display: lane keeping system displays.

- ① Yellow line: road lane marking detected. System is actively intervening on the indicated side.
- ② White line: road lane marking detected. The system is ready to intervene on the side shown.

With some equipment levels, additional details about the road lane marking may also be shown on the instrument cluster display, e.g. dashed lane markings.

With some equipment levels, a display is also shown on the Head-up Display → page 21.

The following indicator lamps light up, depending on the driving situation:



System is active and ready to perform control intervention.



System intervention (corrective steering intervention).

If no warning lamp lights up, the system is not ready to intervene on either side (passive system status) or is switched off.



If the comfort drive function (Travel Assist) is actively performing a control operation, there is no steering intervention and the lane keeping system is not displayed.

Driver intervention prompt

If there is no steering activity, the system prompts you to drive in the middle of the lane by means of acoustic warnings and a display on the instrument cluster.

If you do not react, the system will switch to passive state.

Depending on the vehicle equipment, Emergency Assist will be activated if Emergency Assist is switched on in the Infotainment system.

Independently of steering activity, you will be additionally requested to drive in the middle of the lane again with a display on the instrument cluster display and with acoustic warnings if the corrective steering intervention takes place for an extended time.

Steering wheel vibration

The following situations can lead to vibration of the steering wheel:

- The system can no longer detect a lane during a major steering intervention.

You can also select the option **Vibration** or **Steering wheel vibration** in the Assist systems menu of the Infotainment system. In this case, the steering wheel will vibrate if the vehicle drives over a detected road lane marking when the lane keeping system is active. <

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🚗 Lane keeping system not available.

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

- The camera window is dirty. Clean the windscreen → page 355.
- The view of the camera is impaired due to the weather conditions, e.g. snow, or due