



Tiguan R Grid Edition

Features and Specifications

Safety and Security	Grid Edition
Airbags	
Driver and front passenger airbags	S
Driver's knee airbag	S
Driver and front passenger side airbags	S
Curtain airbags, cover front and rear	S
Anti-theft	
Electronic engine immobiliser	S
Body	
Fully galvanised body with 12 year anti-corrosion perforation warranty	S
Door side impact protection	S
Rigid safety cell with front and rear crumple zones	S
Brakes	
Automatic flashing brake lights activated in emergency braking situation	S
Anti-lock Braking System (ABS)	S
Brake Assist	S
Electronic Brake-pressure Distribution (EBD)	S
Electro-mechanical parking brake	S
Auto hold function	S
Multi-collision brake	S
Child restraints	
Child seat top tether anchorage points, mounted on row 2 seat back (3)	S
ISOFIX child seat anchorage points, outer row 2 seats	S
Head restraints	
Front safety optimised head restraints, longitudinal and height adjustable	S
Rear head restraints height adjustable	S
Locking	
Remote central locking	S
Keyless Access, keyless entry and starting system including starter button	S
2 stage unlocking (programmable)	S
Automatic locking after take-off (programmable)	S
One touch lock / unlock for driver	S
Child safety locks on rear doors	S
Fuel filler flap lock/unlock by remote, push to open	S

Safety and Security (continued)	Grid Edition
Seat belts	
Front height adjustable with pre-tensioners and belt force limiters	S
Outer row 2 seat belts with pre-tensioners and belt force limiters	S
Visual and acoustic warning for front and rear seat passenger seat belts not fastened	S
3 point seat belts for all passengers	S
Traction control	
Anti-Slip Regulation (ASR)	S
Electronic Differential Lock (EDL)	S
Electronic Stabilisation Program (ESP)	S
Extended Electronic Differential Lock (XDL)	S
4MOTION Active Control all-wheel drive with hill decent control and R-Performance Torque Vectoring	S
Exterior Equipment / Styling	Grid Edition
Body enhancements	
Black trim around window frames	S
Glossy black lower body side mouldings	S
Chrome radiator grille highlight top and bottom	S
Glossy black radiator grille highlights, centre	S
Lower air intake and rear bumper with glossy black highlight	S
Licence plate carrier in front with rear protective padding	S
Glossy black mirror caps	S
Design strip with R-Line logo on the front side panels	S
Front bumper in R-Line design with gloss black C-signature air intakes	S
Lower body side extensions in body colour with black grain effect wheel arch extensions	S
Rear bumper with sports diffuser in gloss black	S
R-Line badge in radiator grille	S
R-Line rear spoiler in glossy black	S
Roof rails, black	S
Trapezoidal glossy black exhaust trims, left and right	S
Paint	
Metallic / Pearl Effect / Premium Metallic paint finish	S
Tinted glass	
Dark tinted rear side window and rear window glass, 90% light absorbing	S
Heat insulating tinted glass	S
Wheels	
Alloy wheels (Estoril) 21x8.5" with 255/35 R21 AirStop® tires	S
Anti-theft wheel bolts	S
Tyre pressure monitoring system (TPMS)	S
Tyre mobility kit - 12V compressor and tyre sealant	S

Comfort and Convenience	Grid Edition
Armrest	
Front centre armrest, adjustable with storage box and rear air outlets (2)	S
Rear seat centre armrest with cup holders (2)	S
Air conditioning	
Air conditioning, Air Care 3 zone automatic climate control with air cleaning function and allergen filter	S
"Touch" climate controls front and rear	S
Dust and pollen filter	S
Cup holders	
Front (2)	S
Row 2 (2) in centre armrest	S
Bottle holders in front door pockets	S
Bottle holders in row 2 door pockets	S
Driver Assistance Technology	
Adaptive chassis control	S
Driving profile selection with 4MOTION Active Control and R-Performance Torque Vectoring with Race mode	S
IQ.DRIVE*	
- Travel Assist with Adaptive Lane Guidance	S
- Emergency Assist	S
- Adaptive Cruise Control with stop & go function	S
- Driver Fatigue Detection system	S
- Front Assist with Pedestrian Monitoring	S
- Lane Assist	S
- Manoeuvre braking, front and rear	S
- Park Assist, parking bay and parallel parking assistance	S
- Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	S
- Rear View Camera (RVC Plus) with multi-angle views and dynamic guidance lines	S
- Area View, front, rear and side cameras to provide 360 degree exterior view	S
Floor mats	
Carpet floor mats with decorative stitching in blue	S
Grab handles	
Soft fold away grab handles, front and row 2	S
Exterior Lighting	
Coming / leaving home function	S
Welcome light, R logo projection in front doors	S
Performance LED headlamps with LED daytime drivings lights and dynamic cornering light	S
Light Assist, high beam assistance	S
All-weather light function, illuminates the road in poor weather conditions	S
Low light sensor with automatic headlight function	S
Rear fog lamp	S
Rear registration plate light, LED	S
Rear tail lights, LED	S

*Safety technologies are designed to assist the driver, but should not be used as a substitute for safe driving practices.

S Standard P Part of an Optional Package O Optional Extra — Not available

Comfort and Convenience (continued)	Grid Edition
In car entertainment and technology	
Discover Media audio and satellite navigation system	
9.2" colour touch screen display with smartphone style HMI, configurable home screen and proximity sensor, Gesture Control, Voice Control, DAB+, AM/FM radio, 2D and 3D (bird's eye) map views, car menu with convenience and service settings, security coded	S
App-Connect USB-C interface for Apple CarPlay® and Android Auto™	S
Wireless App-Connect with Apple CarPlay® and Android Auto™	S
App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).	
Bluetooth® phone connectivity and Bluetooth® audio streaming	S
8 Speaker sound system	S
USB-C ports (3), two Apple® compatible ports in front centre console, third charging port in rear	S
Instrumentation	
Digital Cockpit Pro, high resolution 10.25" digital instrument colour display screen with customisable displays	S
Comfort indicator function (1 x touch = 3 x flash)	S
Interior highlights	
Decorative inlays, "Carbon Gray" to dashboard and door trims	S
Front door R sill scuff plates in aluminium finish, illuminated	S
Black headlining and pillar trim	S
Gearshift knob with leather and matte chrome finish	S
Interior lighting	
Front reading lights (2) and rear passenger reading lights (2), LED	S
LED ambient lighting in door trim inserts in 30 customisable colours	S
Lighting in driver and front passenger foot well	S
Luggage compartment	
Manually operated tailgate	S
Load restraining hooks	S
Luggage compartment floor adjustable in 2 heights	S
Shopping bag hook	S
12 volt socket	S
Mirrors	
Automatic dimming interior rear-view mirror	S
Electrically foldable exterior mirrors with environment lighting and automatic kerb function when reversing, passenger's side	S
Mirror shells in glossy black	S
Electrically heated and adjustable exterior mirrors with memory	S
Exterior mirrors with integrated LED turn indicators	S
Power steering	
Electro-mechanical, vehicle speed and steering input sensitive	S
Progressive steering	S

-App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).

S Standard P Part of an Optional Package O Optional Extra — Not available

Comfort and Convenience (continued)

Grid Edition

Seating

Sport front seats with integrated headrests	S
Heated front seats	S
Manual adjustment for front seats	S
Height adjustment for front seats	S
Lumbar adjustment for front seats, manually adjustable	S
Split folding row 2 seats (40/20/40)	S
Row 2 seat backrest with angle adjustment and longitudinally sliding seat base	S
Row 2 seat centre armrest with cup holders (2)	S

Steering wheel

3 spoke R leather covered flat bottomed steering wheel with "Touch" controls, R button and decorative blue stitching	S
Heated steering wheel	S
Audio, telephone, IQ.DRIVE and Digital Cockpit Pro controls	S
Racing gearshift paddles	S
Height and reach adjustable steering wheel	S

Storage

Centre console storage compartment under armrest	S
Glove compartment with cooling and illumination	S
Tray and 12 volt socket in console	S
Driver's side dashboard compartment with lid	S
Front door compartments with bottle holders	S
Front seat backrest storage pockets	S
Net on front passenger's side of centre console	S
Overhead roof console with storage compartments	S
Not fitted in combination with the optional Panoramic glass sunroof	S
Row 2 door compartments with bottle holders	S

Sunroof

- Panoramic glass sunroof
 - Electrically slide and tilt adjustable front half section
 - Integrated wind deflector and electrically operated (perforated) sunblind
- Please note: The overhead storage compartments are not fitted in combination with this option

O

Transmission

7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	S
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Upholstery

Cloth/Microfleece seat upholstery with R logo and decorative stitching in Blue	S
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Vanity mirrors

Driver's and passenger's side vanity mirrors in sun visor with ticket holder	S
Illuminated on driver's and passenger's side	S

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Comfort and Convenience (continued)

Grid Edition

Wipers	
2 speed aero wipers with wash/wipe	S
Rain sensor	S
Rear window with wash/wipe and intermittent wipe	S
Warning light for low washer fluid level	S
Windows	
Power front /rear, with roll-back function and one-touch up-down	S
Remote operated convenience close and open feature (programmable)	S
12V socket	
Centre console, front and rear	S
Luggage compartment	S



Technical Specifications

Model	235TSI R Grid Edition
Engine	2.0 litre TSI
Type	4 cylinder inline turbocharged direct injection petrol with engine Start/Stop system*
Installation	Front transverse
Cubic capacity, litres/cc	2.0
Max power, kW @ rpm	235 @ 5600 - 6500
Max torque, Nm @ rpm	400 @ 2000 - 5600
Emission level~	EU6
Fuel type (Recommended)	98RON
Transmission	7 Speed Direct Shift Gearbox (DSG)
Driven wheels	4MOTION all-wheel drive with R-Performance Torque Vectoring
Performance#	
0 – 100 km/h, seconds	5.1
Fuel Consumption~	
Combined, L/100km	8.8
Urban, L/100km	11.2
Extra Urban, L/100km	7.5
CO ₂ emission g/km	201
Fuel tank capacity litres	58

*The Start/Stop system is designed to reduce fuel consumption and CO₂ emissions. It achieves this by automatically switching off the engine while the vehicle is stationary and then starting it again automatically when the driver wants to drive off. There are certain operating conditions where the Start/Stop system is deactivated (e.g. during engine warm-up), please refer to the owner's manual for full operating information.

~ Emission level according to European Regulation (EC) No. 715/2007 and Regulation (EC) No. 692/2008, UN ECE R83/06 and later amendments.

** Fuel consumption figures according to ADR 81/02 derived from laboratory testing. Factors including but not limited to driving style, road and traffic conditions, environmental influences, vehicle condition and accessories fitted, will in practice in the real world lead to figures which generally differ from those advertised. Advertised figures are meant for comparison amongst vehicles only.

Please note figures are sourced from overseas data where equipment levels by model variant may vary.

⌘ Please note running clearance measurement may vary with wheel size, tyre pressures, tread depth.

+ With rear seat in the forward position

Technical Specifications

235TSI R Grid Edition	
Running gear	
Suspension	
Front axle	Independent, MacPherson struts with lower A-arms. Anti-roll bar.
Rear axle	Independent, four-link with coil springs. Anti-roll bar.
Steering	Electro-mechanical power assisted rack & pinion steering.
Brake Systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP). Brake energy recuperation
Brakes	
Front	Ventilated and Cross Drilled
Rear	Ventilated
Turning Circle (m)	11.9
Weights	
Tare Mass kg's	1737
Towing Capacity	Please refer to the specific Vehicle Towing page.
Exterior Dimensions	
Overall length mm	4520
Width mm	1859
Height mm	1668
Wheelbase mm	2681
Track mm	
Front	1589
Rear	1580
Running clearance mm*	177

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+ With rear seat in the forward position

Technical Specifications

235TSI R Grid Edition	
Luggage Area Dimensions#	
Luggage area volume L	
Row 2 folded	1655
Row 2 upright+	615
Luggage area floor length mm	
Row 2 seat folded	1746
Row 2 seat upright+	977

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+ With rear seat in the forward position

Colour Combinations

Interior Trim	Exterior Colours		
	Dolphin Grey M	Deep Black PE	Lapiz Blue PM
R Grid Edition			
Cloth/Microfleece seat upholstery with R logo and decorative stitching in Blue	S	S	S


Please note: Metallic (M), Pearl Effect (PE) and Premium Metallic (PM) paint are included in the vehicle cost.

Vehicle Towing

The Owner's Manual contains both general and detailed specific information relating to the vehicle's ability for the towing of trailers and should be referenced to ensure familiarity with its contents. In addition to this information it should also be noted that for the Australian market the maximum permitted vertical load exerted by the trailer drawbar on the ball head of the towing bracket must not exceed the values as stated and shown for each model type below.


Different trailer types and different trailer manufacturers have varying towball downloads. The customer should always contact the trailer manufacturer for information as to the maximum download weight. Volkswagen does not recommend the fitting of load levelling or weight distribution devices when used with a Volkswagen Genuine towbar. When fitted and used correctly, the Volkswagen Genuine towbar is capable of meeting the towbar/towball capacities as stated and shown for each model type below.

Towing Capacity

 **NOTE: Towbar capacities must not be exceeded. Volkswagen Group Australia recommends the use of a Genuine Volkswagen Accessory Towbar. Volkswagen Group Australia does not endorse or will not be held liable for any claim, loss or damage arising from the use or fitment of electronic trailer brakes.**

Tiguan Allspace Variant	Model Code	Towbar Capacity Unbraked	Towbar Capacity Braked
235TSI R Grid Edition	AX**TT	750 kg	2,200 kg

Maximum Permitted Gross Rear Axle Weight Rating and Maximum Downball Weight

 **NOTE: The Maximum Permitted Gross Rear Axle Weight Rating is inclusive of the Maximum Downball Weight and must not be exceeded. The Maximum Downball Weight must also not be exceeded**

Tiguan Allspace Variant	Model Code	Maximum Permitted Gross Rear Axle Weight Rating	Maximum Downball Weight
235TSI R Grid Edition	AX**TT	1,140 kg	200 kg

Maximum Gross Vehicle Mass and Maximum Gross Combination Mass

 **NOTE: The Maximum Gross Vehicle Mass (GVM) and Maximum Gross Combination Mass (GCM) must not be exceeded.**

Tiguan Allspace Variant	Model Code	Maximum Gross Vehicle Mass (GVM)	Maximum Gross Combination Mass (GCM)
235TSI R Grid Edition	AX**TT	2,280 kg	4,480 kg

Please note towbar capacities are applicable to the Genuine Volkswagen Accessory towbar.

Volkswagen Group Australia does not endorse or will not be held liable for any claim, loss or damage arising from the use or fitment of electronic trailer brakes. Data is valid for model year 2023 vehicles.

Glossary

4MOTION with R-Performance Torque Vectoring

The 4MOTION all-wheel drive system with R-Performance Torque Vectoring is the new control centre that distributes the engine's output to the four driven wheels.

A new rear final drive distributes the drive power of the turbocharged petrol engine in the Tiguan R not just between the front and rear axles, but also variably between the two rear wheels. This makes it possible to significantly increase the agility particularly when cornering.

The all-wheel drive is also networked via the Vehicle Dynamics Manager (VDM) with other running gear systems such the Extended Electronic Differential Locks (XDL) and Adaptive Chassis Control.

Thanks to this close integration of the different systems, the new Tiguan R offers optimum traction characteristics and neutral handling with the utmost level of precision.

Adaptive Cruise Control (ACC)

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on a radar sensor. When ACC is activated, the vehicle automatically brakes and accelerates to a speed and distance set by the driver.

If the Tiguan approaches a slower vehicle, the ACC brakes the car to the same speed and maintains the pre-selected distance. Even when a vehicle pulls into the same lane in front of you or slows, your vehicle is automatically decelerated to the pre-selected distance. If the vehicle ahead moves out of your lane, the Tiguan then accelerates up to the pre-set desired speed.

Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates. ACC can be reactivated automatically by depressing the accelerator pedal.

The dynamics of the ACC system can be individually varied by selecting one of the driving programs from the driver profile selector.

Adaptive Cruise Control (ACC) cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain.

Anti-lock Braking System (ABS)

When braking, wheel speed sensors measure the road wheel speed and should one or more wheels start to lock the ABS system reduces brake pressure to that wheel. This prevents the wheels from locking during heavy or emergency braking, enabling the vehicle to remain steerable.

Anti-Slip Regulation (ASR)

ASR is a traction control system that prevents the wheels from spinning under acceleration by reducing engine torque.

Auto Hold function

As soon as the vehicle comes to a complete stop, the ABS hydraulic unit stores the vehicle's final braking pressure. So even when you take your foot off the brake pedal, all four wheels' brakes remain applied, providing increased comfort in stationary traffic. This function is released automatically when you drive off again.

Brake Assist

During emergency braking, Brake Assist aids the driver by increasing the brake pressure automatically to a level exceeding the locking limit. The ABS is thus quickly brought into the operating range, which enables maximum vehicle deceleration to be achieved.

Driving Profile Selection

Driving profile selection provides the driver with a wide-ranging choice of settings that can be made to the vehicle according to the driver's preferences. The driver has the option of choosing between the following driving profiles: Comfort, Sport, Race and Individual.

The Comfort profile offers a comfortable but dynamic driving style with a softer suspension setting of the adaptive chassis control. Comfort mode has also been designed to enhance fuel efficiency by including coasting function and by adapting engine performance, earlier gearshift points and consumption-optimised control of the air conditioning system. Sport provides faster response of the accelerator pedal, sportier damping and steering. In Race mode, damping is increased (further reducing movements of the body structure) and shift points of the DSG are configured to be even more dynamic. The Individual setting allows the driver to separately set various parameters including steering, engine, Adaptive Cruise Control (ACC) and air conditioning.

Emergency Assist

Emergency Assist monitors the driving characteristics and recognises, within the limits of the system, if the driver suddenly becomes incapable of driving (due to the vehicle not being controlled).

Emergency Assist detects a lack of activity on the part of the driver and issues repeated visual and acoustic warnings and initiates a quick jolt of the brakes to request the driver to take control of the vehicle.

If the driver remains inactive, the system automatically controls acceleration, braking and steering to slow the vehicle down and keep it in the lane. If there is sufficient stopping distance, the system decelerates the vehicle to a complete stop and switches on the electronic parking brake automatically.

When Emergency Assist is actively controlling the vehicle, the hazard warning lights are switched on and the vehicle performs a slight snaking motion within its lane to warn other road users. Ideally this will prevent a collision, or at least reduce its severity.

Emergency Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. Emergency Assist utilises both the Adaptive Cruise Control (ACC) and Lane Assist driver assistance systems. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system.

Glossary

Electronic Brake-pressure Distribution (EBD)

Electronic, more sophisticated means of regulating the ratio of front/rear brake pressure. Settings are varied according to driving and load conditions to ensure each wheel is braked to the optimum extent.

Electronic Stabilisation Program (ESP)

ABS and ASR traction control systems are integrated into the Electronic Stabilisation Program (ESP). In short, ESP helps ensure that the vehicle goes where you steer it even in extreme driving conditions. The ESP system constantly compares the actual movement of the vehicle with pre-determined values and should a situation arise where the vehicle starts to skid, ESP will apply the brakes to individual wheels and automatically adjust the engine's power output to correct the problem. ESP prevents the vehicle from losing control when trying to avoid an accident, for example. It also reduces the effects of understeer or oversteer.

Extended Electronic Differential Lock (XDL)

XDL is an extension of the Electronic Differential Lock (EDL) function. When cornering, XDL responds to the load relief at the driven wheel/s on the inside of a corner. The ESP hydraulics are used for the XDL to apply pressure to the wheel on the inside of the corner in order to prevent wheel spin. This improves traction and reduces the tendency to understeer. As a direct result of the one-sided and precise braking pressure, cornering is sportier and more accurate.

Fatigue Detection

The driver Fatigue Detection system automatically analyses the driving characteristics and if they indicate possible fatigue, recommends that the driver takes a break. The system continually evaluates steering wheel movements along with other signals in the vehicle on motorways and others roads at speeds in excess of 60 km/h, and calculates a fatigue estimate. If fatigue is detected, the driver is warned by information in the Digital Cockpit Pro and an acoustic signal. The warning is repeated after 15 minutes if the driver has not taken a break..

Fatigue Detection cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore determining whether or not they are fit to drive. A driving time of 15 minutes is required in order to assess the driver correctly. The functionality of the system is restricted given a sporty driving style, winding roads and poor road surfaces.

Front Assist with Pedestrian Monitoring

The Front Assist is both a high and low speed AEB monitoring system which uses a radar sensor to detect critical distance situations and thus help to shorten the braking distance, reducing the risk of a rear-end collision.

The traffic ahead is monitored constantly by the radar at the front. If a vehicle is detected ahead of you in the lane, the distance and the speed relative to it are calculated. If the gap is closing too fast, Front Assist initially warns the driver by means of an audible as well as a visual signal. At the same time, the brake pads are brought into contact with the brake discs and the sensitivity of the Brake Assist is increased. This primes the braking system for a possible emergency stop. Furthermore, an automatic jolt of the brakes warns the driver of the danger. If the driver also fails to react to the warning jolt, Front Assist brakes automatically, helping to avoid a collision or reduce the severity of the accident.

At vehicle speeds below 30km/h, Front Assist monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, Front Assist first pre-charges the brakes and makes the emergency Brake Assist system more sensitive: if the driver should notice the risk, the car is ready to respond more quickly to their braking action. However, if the driver still takes no action and a collision becomes imminent, Front Assist applies the brakes very hard. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, Front Assist will deactivate and allow the driver to complete the avoidance manoeuvre.

Pedestrian Monitoring is an extension of the Front Assist monitoring system. The system uses a camera to monitor the side of the road and a radar sensor in the radiator grille to monitor the area in front of the vehicle and within the limits of the system, register certain situations, for example a pedestrian stepping onto the road suddenly. Using the camera the system detects pedestrians on the side of the road and gives an immediate acoustic and visual signal to warn the driver of the possibility of danger. If the radar sensor then detects the pedestrian and the driver does not brake, the system initiates a jolt of the brake as a warning about the critical situation, while at the same time preparing for hard braking. If the driver fails to react, the system automatically performs emergency braking, within system limits. Ideally this will prevent a collision, or at least reduce its severity.

Front Assist with Pedestrian Monitoring cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. .

Lane Assist

Lane Assist is a lane departure warning system that is designed to help reduce the likelihood of the vehicle leaving the road or crossing into an oncoming lane and therefore the risk of accident as a result of driver distraction or a lapse in concentration.

The Lane Assist system monitors the road ahead with the aid of a camera (located near the interior rear-view mirror) which recognises lane markings and evaluates the position of the vehicle. If the vehicle starts to leave the lane, the Lane Assist system takes corrective steering action. If this is not sufficient the driver is warned about the situation by a steering vibration and is asked to take over the steering. Additionally, if no active steering movements by the driver are recognised for longer than approximately 8 seconds, a message will appear in the Multi-Function Display in conjunction with a warning tone. The corrective steering function can be overridden by the driver at any time and the system does not react if the turn indicator is set before crossing a lane marking.

Lane Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore staying in the lane at all times. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system. The Lane Assist system does not activate at a vehicle speed of less than 65km/h.

Glossary

Manoeuvre braking

Manoeuvre braking assists the driver to avoid or reduce damage in a potential collision by initiating emergency braking. It supports the driver during forward and reverse manoeuvring in a speed range of a maximum 10 km/h. If the risk for an accident is recognised, emergency braking is initiated to minimise possible damage.

Manoeuvre braking cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. The object must be detected by the sensors. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged they need to react accordingly and stop the vehicle.

Multi-collision brake

The multi-collision brake has been designed to provide effective assistance for the driver in the moments after an accident. Multi-collision brake triggers automatic controlled braking once an initial collision has been detected so as to reduce the intensity of further accidents after a collision and can help prevent follow-on collisions with oncoming traffic.

The triggering of the multi-collision brake is based on a collision being detected by the airbag sensors. The ESP control unit limits the deceleration of the vehicle by the multi-collision brake to a defined value and vehicle speed. The vehicle can still be controlled by the driver, even when automatic braking is taking place. The driver can interrupt the multi-collision braking at any time by accelerating or braking even more strongly.

Park Assist

The third generation Park Assist system actively helps the driver when entering or reversing into 90° parking bays, as well as reversing into and driving out of parallel parking spaces. The system works by using sensors mounted either side of the front and rear bumpers together with parking distance sensors front and rear. To park, the driver simply presses the Park Assist button to select the type of parking manoeuvre and uses the appropriate indicator as the car slowly passes the potential parking space. Sensors scan the size of the parking space as the car is driven past and the driver is alerted if the parking space is big enough. If there is sufficient space, the driver stops the car, selects the correct gear and lets go of the steering wheel.

Park Assist will alert the driver of the intended path and subsequently the appearance of obstacles in the Multi-Function Display, within the driver's field of vision. Park Assist then actively supports the driver by taking over the steering control and parks the vehicle in the available space using the ideal course, if necessary with several moves. The driver can however take over the control of the steering at any time and end the automatic parking procedure.

Park Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged or if they are uncertain of the risk, they will need to react accordingly and stop the vehicle, ending the function..

Travel Assist

Travel Assist is an assistance system for partly automated driving. At the push of a button, Travel Assist can support the driver in monotonous and tiring driving situations commonly encountered on long motorway journeys. This system combines the functions of Adaptive Cruise Control (ACC), Lane Assist with adaptive lane guidance and Side Assist to accelerate, brake and maintain the vehicles position within its lane. The capacitive steering wheel can detect whether the driver's hands are on the steering wheel in readiness to steer the vehicle and will issue a visual and audible warning when not detected.

Travel Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. Travel Assist has been developed for use only on motorways. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system.



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