Tiguan Allspace Wolfsburg Edition

Specifications

Features and Specifications

Safety and Security	Wolfsburg Edition
Airbags	
Driver and front passenger airbags	S
Driver's knee airbag	S
Driver and front passenger side airbags	S
Curtain airbags, cover front, row 2 & 3	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 (5)	S
Lighting	
Daytime driving lights, LED integrated in headlight housing	S
Dynamic Light Assist	S
Front fog lamps with static cornering lights, mounted in lower bumper	S
Rear fog lamp	S
Rear registration plate light, LED	S
Rear tail lights, Premium LED	S

S Standard O Optional Extra

Safety and Security (continued)

	Wolfsburg Edition
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
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
Row 3 seat belts with pre-tensioners and belt force limiters	S
Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S
Visual indicator for row 2 & 3 seat passenger seat belt status	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	S

Exterior Equipment / Styling

Body enhancements	
Lower body side extensions in body colour with black grained wheel arch extensions	S
Design strip with R-Line logo on the front side panels and front doors	S
Front bumper in R-Line design with gloss black air intakes	S
Rear bumper with sports diffuser in gloss black	S
R-Line badge in radiator grille	S
R-Line rear spoiler	S
Black trim around window frames	S
Glossy black lower body side mouldings	S
Glossy Black radiator grille highlights	S
Chrome headlight highlights, top and bottom	S
Lower air intake and rear bumper with glossy black highlight	S
Roof rails, black	S
Glossy black mirror shells	S
Trapezoidal chrome exhaust trims, left and right	S
Paint	
Metallic / Pearl Effect paint finishes	O

Exterior Equipment / Styling (continued)

	Wolfsburg Edition
Tinted glass	
Dark red rear tail light clusters	S
Dark tinted rear side window and rear window glass, 90% light absorbing	S
Heat insulating tinted glass	S
Wheels	
Alloy wheels (Suzuka) in glossy black 20x8.5" with 255/40 R20 tyres	S
Anti-theft wheel bolts	S
Low tyre pressure indicator	S
Spare wheel, weight and space saving Please note: The weight and space saving spare wheel and tyre is speed restricted	S

Comfort and Convenience

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, allergen filter and residual heat mode (REST)	S
Air quality and humidity sensor with automatic air recirculation	S
Dust and pollen filter	S
Cup holders	
Front (2)	S
Row 2 (2) in centre armrest	S
Row 2 (2) in folding tables on front seat backrests	S
Row 3 (1) in side console	S
Bottle holders in front door pockets	S
Bottle holders in row 2 door pockets	S
Driver assistance systems*	
Adaptive chassis control	S
Driving profile selection with 4MOTION Active Control	S
Head-up Display with current speed, sat nav directions and adaptive cruise control information	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
IQ.DRIVE:	
- Adaptive Cruise Control with stop & go and speed limiter	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
- Side Assist, lane changing assistant with Rear Traffic Alert	S

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

S Standard O Optional Extra

Comfort and Convenience (continued)

	Wolfsburg Edition
Floor Mats	
Carpet floor mats and centre armrest with decorative stitching in Crystal Grey	S
Grab Handles	
Soft fold away grab handles, front and row 2	S
Headlights	
Coming / leaving home function	S
LED headlights for high and low beam with dynamic and static cornering lights, integrated LED daytime driving lights and automatic self-levelling	S
Dynamic Light Assist	S
Low light sensor with automatic headlight function	
In car entertainment and technology	
Discover Pro 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, AM/FM radio, 2D and 3D (bird's eye) map views, car menu with convenience and service settings, security coded	S
Dynaudio Excite Premium Sound System. Digital 16-channel amplifier, subwoofer, 8+1 speakers & 400 W total power output	S
App-Connect~ USB-C interface for Apple CarPlay® and Android Auto™	S
Wireless Apple CarPlay® and Android Auto™	S
Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	S
Bluetooth® phone connectivity with contacts display, operation via touch screen audio unit or Multi-Function Display and Bluetooth® audio streaming	S
Speakers, front and rear (8)	S
USB-C ports (3), two Apple® compatible ports in front centre console, third charging port in rear	S
Voice operation, telephone and navigation system functions can be operated using voice commands	S
Instrumentation	
Digital Cockpit, 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, "Black Lead Grey" to dashboard and door trims	S
Stainless steel finish accelerator and brake pedals	S
Stainless steel finish front door sill scuff plates with R-Line logo, illuminated	S
Black headlining and pillar trim	S
Gearshift knob with leather and aluminium finish	S
Interior lighting	
Front reading lights (2) and rear passenger reading lights (2), LED	S
LED ambient lighting in door trim inserts	S
Lighting in driver and front passenger foot well	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
Electrically heated and adjustable exterior mirrors with memory	S
Exterior mirrors with integrated LED turn indicators	S

~App-Connect is compatible for selected apps with the latest smartphone versions of iOS and Android, active data service, and connection cable (sold separately).

Comfort and Convenience (continued)

	Wolfsburg Edition
Luggage compartment	
Electrically operated automatic opening and closing of the tailgate with Easy Open and Easy Close functions	S
Load restraining hooks	S
Luggage compartment light is also a removable torch	S
Luggage cover, removable and storable	S
Shopping bag hook	S
12 volt socket	S
Power steering	
Progressive steering	S
Seating	
Comfort sport front seats	S
Electric adjustment for front seats with 3 position memory function	S
Folding tables on front seat backrests	S
Heated front seats	S
Heated row 2 outer seats	S
Height adjustment for front seats	S
Lumbar adjustment for front seats, electrically adjustable	S
Split folding row 2 seats (40/20/40)	S
Split folding row 3 seats (50/50)	S
Row 2 seat backrest with angle adjustment and longitudinally sliding seat base	S
Row 2 seat backrest remote release	S
Row 2 seat centre armrest with cup holders (2)	S
Row 3 seat with cup holder, side console	S
Steering wheel	
R-Line multi-function leather covered sports steering wheel with decorative stitching in Crystal Grey and R-Line logo	S
Audio, telephone, cruise control and Multi-Function Display controls	S
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 Not fitted in combination with the optional Panoramic glass sunroof	S
Row 2 door compartments with bottle holders	S

S Standard O Optional Extra

Comfort and Convenience (continued)

	Wolfsburg Edition
Sun visors	
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	
Gearshift recommendation indicator	S
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	S
Upholstery	
Vienna leather appointed seat upholstery for R-Line with R-Line logo and decorative stitching in Crystal Grey Please note: Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather	S
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
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 accessory socket	
Centre console, front and rear	S
Luggage compartment	S

Included Packages

	Wolfsburg Edition
Sound & Vision package	
Digital Cockpit, high resolution 10.25" digital instrument colour display screen with customisable displays Area View, front, rear and side cameras to provide 360 degree exterior view LED ambient lighting in door trim inserts Dynaudio Excite Premium Sound System. Digital 16-channel amplifier, subwoofer, 8+1 speakers & 400 W total power output	S
Wolfsburg Edition package	
Alloy wheels (Suzuka) in glossy black 20x8.5" with 255/40 R20 tyres Black trim around window frames Glossy black lower body side mouldings Glossy Black radiator grille highlights Lower air intake and rear bumper with glossy black highlight Roof rails, black Glossy black mirror shells Black headlining and pillar trim Carpet floor mats and centre armrest with decorative stitching in Crystal Grey Decorative inlays, "Black Lead Grey" to dashboard and door trims Design strip with R-Line logo on the front side panels and front doors Front bumper in R design with gloss black air intakes Lower body side extensions in body colour with black grained wheel arch extensions Head-up Display with current speed, sat nav directions and adaptive cruise control information Progressive steering Rear bumper with sports diffuser in gloss black R-Line badge in radiator grille R-Line logo on infotainment start screen R-Line multi-function leather covered sports steering wheel with decorative stitching in Crystal Grey and R-Line logo R-Line rear spoiler Stainless steel finish accelerator and brake pedals Stainless steel finish front door sill scuff plates with R-Line logo, illuminated Vienna leather appointed seat upholstery for R-Line with R-Line logo and decorative stitching in Crystal Grey Please note: Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather	S

S Standard

Technical Specifications

	162TSI Wolfsburg 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	2.0/1984
Bore/stoke, mm	82.5/92.8
Max power, kW @ rpm	162 @ 4300-6200
Max torque, Nm @ rpm	350 @ 1600-4200
Compression ratio	9.6:1
Fuel System	Direct & Intake manifold injection
Ignition system	Electronic
Exhaust emission control	Three-way catalytic converter with Lambda control
Fuel type (Recommended)	Premium unleaded Minimum 95 RON
Transmission	**7 Speed DSG**
Driven wheels	4MOTION all-wheel drive
Performance#	
0 – 100 km/h, seconds	6.8
Fuel Consumption**	
Combined, L/100km	9
Urban, L/100km	11.3
Extra Urban, L/100km	7.6
CO_2 emission g/km	205
Fuel tank capacity litres	60

*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.
** 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.

Technical Specifications

	162TSI Wolfsburg Edition
Running gear	**2.0 litre TSI**
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 discs
Rear	Discs
Turning Circle m	11.9
Weights	
Tare Mass kg's	1785
Towbar Capacity	Please refer to the specific Vehicle Towing page
Exterior Dimensions	
Overall length mm	4701
Width mm	1839
Height mm	1665
Wheelbase mm	2790
Track mm	
Front	1575
Rear	1564
Running clearance mm¤	201

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

Technical Specifications

	162TSI Wolfsburg Edition
Luggage Area Dimensions#	
Luggage area volume L	
Row 3 & 2 folded	1775
Row 3 folded with Row 2 upright+	700
Row 3 upright	230
Luggage area floor length mm	
Rear seat upright	1046
Rear seat folded	1921

+ With rear seat in the forward position
# Please note figures are sourced from overseas data where equipment levels by model variant may vary

Colour Combinations

Interior Trim	**Exterior Colours**			
	Pure White	**Platinum Grey M**	**Pyrite Silver M**	**Deep Black PE**
Wolfsburg Edition				
Black R-Line Vienna leather appointed seat upholstery*	S	S	S	S

Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.
*Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

S Standard

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.w

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
162TSI Wolfsburg Edition	BW24TTE	750 kg	2,500 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
162TSI Wolfsburg Edition	BW24TTE	1,350 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)
162TSI Wolfsburg Edition	BW24TTE	2,490 kg	4,990 kg

Glossary

4MOTION all-wheel drive

An all wheel drive system that provides the best possible traction at all road speeds, in all weather and road conditions. An electronically controlled multi-plate clutch directs torque to the axle with the best traction.

When operating under a relatively low load or when coasting, power is primarily distributed to the front axle, thus saving fuel. However, the rear axle can be variably engaged in fractions of a second whenever necessary, even before any wheel starts to slip and therefore reducing the potential for a loss of traction. The wheels of the Tiguan Allspace are prevented from spinning even when driving off and accelerating.

Activation of the multi-plate clutch is based primarily on the engine torque demanded by the driver. In parallel, a system within the all-wheel drive control unit evaluates such parameters as wheel speeds and steering angle.

Adaptive Chassis Control

The electrically controlled dampers of adaptive chassis control constantly adjust to the road conditions, the driving situation and driver's requirements. Selected via and integrated within the functionality of the Driving Profile Selection, the driver can choose between three damper settings – Normal, Comfort and Sport.

Starting from the normal setting, the driver can change the basic character of the car towards sporty or more comfort-oriented driving. In each setting, the adaptive chassis control adjusts the damping to the particular driving situation (up to one thousand times per second) which means it offers an optimum level of driving comfort and enjoyment at all times. Particularly on windy roads and poor surfaces, using adaptive chassis control offers sporty and yet comfortable driving.

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 Allspace 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 Allspace 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 in vehicles equipped with a DSG transmission. ACC can be reactivated automatically by depressing the accelerator pedal.

The dynamics of the ACC system can by 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 vehicles 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.

Direct Shift Gearbox (DSG)

DSG is a manual gearbox in which the gearshifts are controlled electronically. What makes the DSG unique is that it has 2 separate gear sets operated by 2 clutches.

The benefit of 2 gear sets and 2 clutches is that one gear set and clutch is engaged driving the vehicle with the second disengaged clutch having already pre-selected the next gear awaiting for power to be transferred. As the next gear has already been pre-selected prior to power being applied, the gear change only takes 3-4 100ths of a second. There is virtually no interruption to power, traction or acceleration.

The DSG also offers Tiptronic gear selection and sports mode.

Driving Profile Selection with 4MOTION Active Control

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: Normal, Sport, Eco, Comfort and Individual. The Normal profile offers a comfortable but dynamic driving style. Sport provides faster response of the accelerator pedal, sportier damping and steering, while the DSG switches to Sport mode. Eco mode has 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. Comfort mode offers a more relaxed and comfortable driving experience, primarily through the softer suspension setting of the adaptive chassis control. The Individual setting allows the driver to separately set various parameters including steering, engine, Adaptive Cruise Control (ACC) and air conditioning.

4MOTION Active Control provides for the convenient selection of on-road and off-road driving profiles for model equipped with 4MOTION by means of a rotary dial. Rotating the dial selects one of four special all-wheel drive modes: Snow, On-road, Off-road (automatic configuration of the off-road parameters) and Off-road individual (variable settings).

Glossary

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 Multi-function Display 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.

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 Differential Lock (EDL)

EDL improves driving and steering characteristics when accelerating on road surfaces where each wheel has a different degree of traction. The system operates automatically and is combined with the ABS system. Using the ABS wheel sensors, EDL monitors the speed of the individual driving wheels. When a difference in driving wheel speed is detected (i.e. when one wheel starts to spin due to differences in road surfaces, e.g. due to water or dirt) the system brakes the spinning wheel, transferring engine power to the wheel with the best traction.

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.

Front Assist with Pedestrian Monitoring

The Front Assist ambient traffic monitoring system 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.

Front Assist function is a radar based emergency braking system designed to help a driver avoid a low-speed crash or to reduce its severity. 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 independently 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 featuring the City Emergency Brake. The system uses 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. The system then gives an immediate acoustic and visual signal to warn the driver. If 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 withPedestrian 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 on 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 90º 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.

Side Assist with Rear Traffic Alert

Side Assist, is a lane change assistant that detects vehicles on the right and left hand side of the lane, in the blind spot and those vehicles coming nearer behind. The system informs with a warning light in the exterior mirror whenever a detected vehicle is close and a lane change would be dangerous. If the driver sets the indicator, the warning light begins to flash. Rear Traffic Alert warns the driver of approaching traffic at the rear of the car when reversing via an audible warning followed by a visual message in the Optical Parking System (OPS).

Side Assist also works in conjunction with the Lane Assist system. If another vehicle is in the blind spot during a lane change, the dual assist system warns the driver by means of flashing LEDs in the right-hand or left-hand exterior mirror and by vibrations on the steering wheel. It also supports the driver by means of a corrective steering intervention. This procedure occurs regardless of the state of the turn indicators.

Side Assist with Rear Traffic Alert 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.

Overseas model shown

Tiguan Allspace Wolfsburg Edition

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