

Volkswagen Passat Alltrack Wolfsburg Edition



Safety and Security		Wolfsburg Edition
Airbags	Driver and front passenger airbags	S
	Driver's knee airbag	S
	Driver and front passenger side airbags	S
	Outer rear seat passenger side airbags	S
	Curtain airbags, front and rear	S
Anti-theft	Alarm system with interior monitoring and tilt sensor	S
	Electronic engine immobiliser	S
Body	Fully galvanised 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
	Electronic Brake-pressure Distribution (EBD)	S
	Brake Assist	S
	Electro-mechanical parking brake	S
	Auto Hold function	S
	Multi-collision brake	S
Child Restraints	Child seat top tether anchorage points (3)	S
	ISOFIX child seat anchorage points, outer rear seats	S
Head Restraints	Front safety optimised head restraints, longitudinally and height adjustable	S
	Rear head restraints height adjustable (3)	S
Lighting	Daytime driving lights	S
	Front fog lights with static cornering lights, mounted in lower bumper	S
	LED rear licence plate light	S
	Premium rear tail lights in LED	S
	Rear fog lamp	S
Locking	Remote central locking with SAFELOCK deadlock mechanism	S
	2 stage unlocking (programmable)	S
	Automatic locking after takeoff (programmable)	S
	Keyless Access, keyless entry and starting system including starter button	S
	One touch lock / unlock for driver	S
	Child safety locks on rear doors	S
Seat belts	Front height adjustable with pre-tensioners and belt force limiters	S
	Outer rear seat belt pre-tensioners	S
	Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S
	Visual indicator for rear seat passenger seat belt status	S
	3 point seat belts for all passengers	S

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Safety and Security (cont'd)		Wolfsburg Edition
Traction control	Electronic Differential Lock (EDL)	S
	Anti-Slip Regulation (ASR)	S
	Electronic Stabilisation Program (ESP)	S
	Extended Electronic Differential Lock (XDL)	S
	4MOTION all-wheel drive	S
Exterior Equipment / Styling		
Body enhancements	Body coloured bumper bars and door handles	S
	Matte chrome exterior rear view mirrors	S
	Chrome radiator grille highlights	S
	Chrome trim around side window frames	S
	"Alltrack" badge on radiator grille, side panels and tailgate	S
	Rear bumper with trapezoidal exhaust trims, left and right	S
	Lower air intake in black with silver coloured crossbar highlight	S
	Protective trim on lower front and rear bumpers, side sills and wheel arches	S
	Rear tailgate protective trim in chrome look	A
	Silver coloured underbody side sill and bumper trim, front and rear	S
Paint	Metallic or Pearl Effect paint finish	O
Protection	Engine and transmission underbody protection	S
	Loading sill protection, stainless-steel look	A
	Mudflaps, front and rear	A
	Slimline weather shields (Front)	A
Roof	Roof rails, matte chrome	S
	Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector	O
	Roof bars	A
	Bicycle, kayak, ski, surfboard and snowboard holders	A
	Luggage box range – 340 and 460 litres volume	A
Tinted glass	Dark tinted rear side window and rear window glass, 65% light absorbing	S
Towbar	Towbar, horizontal receiver design with 7-pin flat trailer connector and removable tongue	A
Wheels	Alloy wheels (Alberville) 19x8" with 245/40 R19 mobility tyres	S
	Anti-theft wheel bolts	S
	Full size alloy spare wheel	S
	Low tyre pressure indicator	S

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Comfort and Convenience		Wolfsburg Edition
Armrest	Front centre armrest with storage box and 2 rear air outlets	S
	Rear seat centre armrest with cup holders	S
Air conditioning	Air Care 3 Zone automatic climate control with indirect ventilation mode (3 modes)	S
	Air quality and humidity sensor with automatic air recirculation	S
	Air cleaning function and allergen filter	S
	Residual heat mode (REST)	S
Cruise control	Adaptive Cruise Control (ACC)	S
	Speed limiter (programmable)	S
Cup holders	Front (2) with cover	S
	Rear (3) in rear centre armrest	S
	Bottle holders in front door pockets	S
Driver assistance systems	Adaptive Chassis Control	S
	Driver Fatigue Detection system	S
	Driving profile selection with off-road mode including Hill Descent Control	S
	Think Blue Trainer, ECO tip function with fuel efficiency advice	S
	Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	S
	Optical Parking System (OPS) in radio/navigation display	S
	Rear View Camera (RVC Plus) with multi-angle views and dynamic guidance lines	S
	Rear Traffic Alert	S
	Front Assist with City Emergency Brake (City EB) function	S
	Lane Assist, lane departure warning system	S
	Side Assist, lane changing assistant	S
	Safety technologies are not a substitute for the driver's responsibility of the vehicle	
Entry/warning reflectors in front and rear doors		S
Floor mats	Front and rear, carpet	S
	Front and rear, rubber	A
Grab handles	Soft fold away grab handles (4)	S
Headlights	LED headlights for high and low beam, integrated LED daytime driving lights	S
	Separate headlight and fog light switch	S
	Coming / leaving home function	S
	Daytime driving lights	S
	Internal headlight range adjustment	S
	Low light sensor with automatic headlight function	S

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Comfort and Convenience (cont'd)		Wolfsburg Edition
In car entertainment and technology	Active Info Display, 12.3" high resolution TFT dash display screen with customisable menus and information	S
	Discover Pro audio and satellite navigation system 8" colour touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and 2 x SD card slots for music, 10 gigabyte internal storage, 2D and 3D (bird's eye) map views, compatible with MP3, WMA and AAC music files, jpeg image viewer, car menu with convenience and service settings, security coded	S
	App-Connect USB interface for Apple CarPlay®, Android Auto™ and MirrorLink® in centre console	S
	Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	S
	Auxiliary input audio socket in centre console	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
	Voice operation, telephone and navigation system functions can be operated using voice commands	S
Instrumentation	Speedometer & tachometer, electronic odometer and tripmeter, digital clock, fuel & coolant gauges, ambient temperature display, transmission gear indicator	S
	Comfort indicator function (1 x touch = 3 x flash)	S
Interior highlights	'Wave' aluminium decorative inserts in dashboard and doors	S
	Analogue clock in dashboard, centre	S
	Door sill protection – aluminium with Alltrack lettering	S
	Leather covered steering wheel and gearshift knob	S
	Decorative inlays, 'Piano Black' instrument surround, centre console	S
	'Titanium' Black headlining and pillar trim	S
	Aluminium finish accelerator and brake pedals	S
Interior lighting	With time delay, front and rear	S
	Reading lights, front and rear	S
	LED ambient lighting in driver and front passenger foot well, front and rear door decorative inlays, door openers and handles	S
Luggage compartment	Automatic opening and closing of the tailgate with Easy Open and Close function	S
	Load restraining hooks	S
	Luggage compartment light	S
	Luggage compartment protection: moulded foam inlay, plastic tray with high side edges, reversible mat with velour	A
	Luggage compartment protection: moulded plastic tub	A
	Luggage net	A
	Extendable net partition, rear seat backrest to roof lining	S
	Extendable luggage cover with automatic (2 stage) opening	S
	Shopping bag hooks	S
	Storage boxes in side lining	S
	12 volt socket	S

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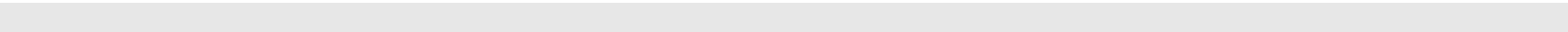
Comfort and Convenience (cont'd)		Wolfsburg Edition
Mirrors	Automatic dimming interior rear-view mirror	S
	Electrically heated and adjustable exterior mirrors	S
	Turn indicators with LED technology integrated in exterior mirrors	S
	Remote electrically foldable door mirrors, door mirror puddle lights and reverse activated kerb-view adjustment on passenger's door mirror	S
	Mirror memory in conjunction with seat memory function	S
Power steering	Electro-mechanical, vehicle speed and steering input sensitive	S
Seating	Comfort front passenger seat with electric 14-way adjustment	S
	ergoComfort driver's seat with electric 14-way adjustment with massage and memory function	S
	Individually heated front seats	S
	Split and flat folding (40/20/40) rear seat and backrest with remote release	S
Steering wheel	3 spoke leather covered steering wheel	S
	Steering wheel mounted gearshift paddles	S
	Audio, telephone and Multi-Function Display controls	S
	Height and reach adjustable steering wheel	S
Storage	Centre console storage compartment	S
	Chillable and lockable glove box with illumination	S
	Coin tray and 12 volt socket in console	S
	Driver's side dashboard compartment with lid	S
	Door pockets, front and rear	S
	Front seat backrest storage pockets	S
	Compartment with lid in roof console (Deleted when optional Luxury pack or Panoramic Sunroof selected)	S
Transmission	Gearshift recommendation indicator	S
	6 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	S
Trip computer	Multi-Function Display (MFD Premium) colour display and screen transitions with animations – driving time, trip length, average and current speed, average and current fuel consumption, tyre pressure indicator setting, distance till empty, speed warning function, vehicle status, audio, telephone, navigation and convenience menus	S
Upholstery	Nappa leather appointed seat upholstery 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	S
	Illuminated on driver's and passenger's side	S
Wipers	2 speed wash/wipe windscreen wipers	S
	Heated washer jets	S
	Rain sensor	S
	Rear window with wash/wipe and intermittent wipe	S
Windows	Power front / rear, with roll-back function and one touch up-down	S
	Remote operated convenience close and open feature	S
12V socket	Centre console	S
	Rear seat area	S
	Luggage compartment	S

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Special Model Package Contents		Wolfsburg Edition
Wolfsburg Edition Package Contents	Active Info Display, 12.3" high resolution TFT dash display screen with customisable menus and information	S
	Alloy wheels (Albertville) 19x8" with 245/40 R19 mobility tyres	
	Adaptive Chassis Control	
	Nappa leather appointed seat upholstery	
	Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather	
	Automatic opening and closing of the tailgate with Easy Open and Close function	
	LED headlights for high and low beam, integrated LED daytime driving lights	
	Premium rear tail lights in LED	
	LED ambient lighting in driver and front passenger foot well, front and rear door decorative inlays, door openers and handles	
	Steering wheel mounted gearshift paddles	
	'Wave' aluminium decorative inserts in dashboard and doors	
	'Titanium' Black headlining and pillar trim	
	Decorative inlays, 'Piano Black' instrument surround, centre console	
	Dark tinted rear side window and rear window glass, 65% light absorbing	
	Wolfsburg crest badge	

Colour Combinations



	Pure White	Indium Grey M	Crimson Red M
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INTERIOR TRIM

Wolfsburg Edition

Black Nappa leather appointed seat upholstery*	S	S	S
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*Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.

Technical Specifications	
	Wolfsburg Edition
Engine	2.0 litre TDI BlueMotion Technology
Type	4 cylinder inline turbo diesel with engine Start/Stop system*
Installation	Front transverse
Cubic capacity, litres/cc	2.0 / 1968
Bore/stroke, mm	81.0 / 95.5
Max power, kW @ rpm	140 @ 3500-4000
Max torque, Nm @ rpm	400 @ 1750-3000
Compression ratio	15:05
Fuel system	Bosch with common rail injection
Ignition system	Compression
Exhaust emission control	Exhaust gas recirculation with SCR catalytic converter and diesel particulate filter
Fuel type (Recommended)	Diesel DIN EN 590
Fuel tank capacity, approx. litres	66
Transmission	6 Speed DSG
Driven wheels	4MOTION all-wheel drive
Performance#^	
0 – 100km/h, seconds	8.0
Fuel consumption**^	
Combined, L/100km	5.4
Urban, L/100km	6.3
Extra Urban, L/100km	4.9
CO ₂ emission, g/km	143
^ (Passat Wagon specific figures in brackets)	
*The Start/Stop system is designed to reduce fuel consumption and CO ₂ 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.	
# Please note figures are sourced from overseas data where equipment levels by model variant may vary.	
** Fuel consumption figures according to Australian Design Rule (ADR) 81/02.	
The driving style, road and traffic conditions, environmental influences, fitment of accessories and vehicle condition can in practice lead to consumption figures which may differ from those calculated with these standards.	

Technical Specifications (cont'd)

Wolfsburg Edition 2.0 litre TDI		
Running Gear		
Suspension	Front axle	Independent, MacPherson struts with lower wishbones and coil springs. 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, metres		11.4
Weights^		
Tare Mass Kg`s		1,671
Towbar Capacity*		
Braked kg		2,200
Unbraked kg		750
Towbar load limit kg		90
Exterior Dimensions^		
Overall length mm		4,777
Width mm		1,832
Height mm		1,506
Wheelbase mm		2,791
Track mm	Front**	1,580
	Rear**	1,563
Running clearance mm***		174
Luggage Area Dimensions#		
Volume		
Rear seat upright L		639
Rear seat folded L		1,769
Floor length		
Rear seat upright mm		1,172
Rear seat folded mm		2,018
Maximum width between wheel arches mm		1,005

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

*Towbar is compatible with Passat Sedan, Wagon & R-Line Package

**Track figures are based on vehicles fitted with 215/55 R17 wheels

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

Glossary

4MOTION^

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 vehicle 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.

Glossary

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 Passat 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 Passat then accelerates up to the preset 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. In vehicles fitted with a manual transmission, the system is automatically deactivated at speeds below 30 km/h and the driver is prompted to take charge by visual and acoustic signals.

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

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 improves driving and steering characteristics by preventing the driven wheels from spinning under acceleration. 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 automatically reduces engine

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

Glossary

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 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

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 and Individual. The Normal profile offers a comfortable but dynamic driving style. Sport provides faster response of the accelerator pedal and steering while the DSG switches to Sport mode. Eco mode has been designed to enhance fuel efficiency by including coasting function (with DSG) and by adapting engine performance, earlier gearshift points and consumption-optimised control of the air conditioning system. The Individual setting allows the driver to separately set various parameters including steering, engine,

Coasting Function

While driving, as the driver's foot is taken off the accelerator pedal the engine is declutched, allowing the vehicle to coast and roll over a longer distance. The momentum of the vehicle is used to save fuel with a foresighted driving style. When the brake, accelerator pedal or the gear selector lever is operated, the clutch is re-engaged and engine braking / drive takes effect. Coasting Function can be selected or deselected via the multifunction display settings. The gear selector lever is required to be in the D position to be functional.

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.

Glossary

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

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 front wheel 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.

Driver 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 65 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.

Driver 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.

Glossary

Front Assist with City Emergency Brake (City EB) function

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.

The City Emergency Brake (City EB) 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 up to 65km/h, City EB monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, City Emergency Braking 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, City Emergency Braking independently applies the brakes very hard. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, City EB will deactivate and allow the driver to complete the avoidance manoeuvre.

Front Assist with City Emergency Brake (City EB) 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.

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.

Glossary

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.

In combination with Side Assist, the two assist systems complement each other. 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.

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.

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).

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