



| VOLKSWAGEN PASSAT ALLTRACK Features and Specifications | | 140TDI |
|--|--|---------------|
| SAFETY AND SECURITY | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | |
| 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 |
| Driver assistance systems | | |
| Driver Fatigue Detection system | | S |
| Driving profile selection with off-road mode | | 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 | | |
| 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 |
| Rear tail lights, LED | | S |
| Rear fog lamp | | S |



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|--|--|---------------|
| SAFETY AND SECURITY (CONT'D) | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | |
| 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 |
| 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 |
| EQUIPMENT / STYLING | | |
| Body enhancements | | |
| Body coloured bumper bars, and door handles | | S |
| Matt 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, matt chrome | | S |
| Roof bars | | A |
| Bicycle, kayak, ski, surfboard and snowboard holders | | A |
| Luggage box range – 340 and 460 litres volume | | A |
| Tinted glass | | |
| Heat insulating tinted glass | | S |



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| EQUIPMENT / STYLING (CONT'D) | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | |
| Wheels | | |
| Alloy wheels (Kalamata) 18 x 8" with 245/45 R18 Mobility Tyres | | S |
| Anti-theft wheel bolts | | S |
| Full size alloy spare wheel | | S |
| Low tyre pressure indicator | | S |
| Towbar | | |
| Towbar, horizontal receiver design with 7-pin flat trailer connector and removable tongue | | A |
| COMFORT AND CONVENIENCE | | |
| Air conditioning | | |
| 3 Zone automatic climate control with indirect ventilation mode (3 modes) | | S |
| Air quality and humidity sensor with automatic air recirculation | | S |
| Dust and pollen filter | | S |
| Residual heat mode (REST) | | S |
| Armrest | | |
| Front centre armrest with storage box and 2 rear air outlets | | S |
| Rear seat centre armrest with cup holders | | S |
| Cruise control | | |
| Cruise Control | | S |
| 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 |
| 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 | | |
| Halogen headlights with clear polycarbonate lens | | 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) | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | |
| In car entertainment and technology | | |
| Discover Pro audio and satellite navigation system | | S |
| 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 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 and USB 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 with white adjustable illumination | | S |
| Comfort indicator function (1 x touch = 3 x flash) | | S |
| Interior highlights | | |
| 'Tracks' 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 |
| Silver 'Titan' trim on instrument cluster and gearshift lever surround | | S |
| Interior lighting | | |
| With time delay, front and rear | | S |
| Reading lights, front and rear | | S |
| Luggage compartment | | |
| Automatic opening and closing of the tailgate | | 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 (Wagon) | | 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 |
| 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 |
| Power steering | | |
| Electro-mechanical, vehicle speed and steering input sensitive | | S |



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|---|--|---------------|
| COMFORT AND CONVENIENCE (CONT'D) | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | |
| Seating | | |
| Comfort sport front seats | | S |
| ergoComfort driver's seat with seat cushion tilt adjustment, cushion depth adjustment and electric adjustment for backrest and 4-way lumbar | | S |
| Height adjustment for front seats, manually adjustable | | S |
| Individually heated front seats | | S |
| Split and flat folding (40/20/40) rear seat base and backrest with remote release | | S |
| Rear seat centre armrest with cupholders | | S |
| Steering wheel | | |
| 3 spoke leather covered steering wheel | | 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 Package 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 | | |
| Vienna leather appointed seat upholstery | | S |
| Leather appointed seats have a combination of genuine and artificial leather, but are not wholly leather | | |
| 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 |



| | |
|--|---------------|
| VOLKSWAGEN PASSAT ALLTRACK Features and specifications | 140TDI |
| OPTIONAL PACKAGES | |
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| Luxury Package | 0 |
| <p>LED headlights for high and low beam with dynamic cornering lights, integrated LED daytime driving lights, automatic self-levelling, headlight cleaning system and low washer fluid warning Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector LED ambient lighting in driver and front passenger foot well, front and rear door decorative inlays, door openers and handles Electrically foldable exterior mirrors Park Assist, parking bay and parallel parking assistance</p> | |



VOLKSWAGEN PASSAT ALLTRACK Features and specifications

TECHNICAL SPECIFICATIONS

| Model | 140TDI | |
|---------------------------|--|--|
| 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 | 15.5 | |
| 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, L | 70 | |
| 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 | |
| Running Gear | | |
| Suspension | Front Axle | Independent, MacPherson struts with lower wishbones and coil springs. Anti-roll bar |
| | Rear Axle | |
| 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 Discs |
| | Rear | |
| Turning circle, metres | 11.4 | |

* 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.

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.



VOLKSWAGEN PASSAT ALLTRACK Features and specifications

TECHNICAL SPECIFICATIONS

| Model | | 140TDI |
|---|---------------|--------------|
| Weights | | |
| Tare Mass, kg | | 1671 |
| Towbar Braked [‡] | | 2200 |
| Capacity* kg Unbraked | | 750 |
| Towbar Load Limit*, kg | | 90 |
| Exterior dimensions | | |
| Overall length, mm | | 4777 |
| Width, mm | | 1832 |
| Height, mm | | 1506 |
| Wheelbase, mm | | 2791 |
| Track, mm | Front Rear | 1580 1563 |
| Running clearance, mm [Ⓜ] | | 174 |
| Luggage area dimensions^{^#} | | |
| Luggage area volume, L | | |
| - Rear seat upright | | 639 |
| - Rear seat folded | | 1769 |
| Luggage area floor length, mm | | |
| - Rear seat upright | | 1172 |
| - Rear seat folded | | 2018 |
| Luggage area width, mm | | |
| - At narrowest point | | 1005 |

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

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

[‡] Please note, 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.

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



| VOLKSWAGEN PASSAT ALLTRACK Features and specifications | | Pure White | Reflex Silver M | Tungsten Silver M | Indium Grey M | Harvard Blue M | Night Blue M | Habanero Orange M | Deep Black PE |
|---|---|-----------------|-----------------|-------------------|---------------|----------------|--------------|-------------------|---------------|
| | | EXTERIOR COLOUR | | | | | | | |
| COLOUR COMBINATIONS | | | | | | | | | |
| S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available | | | | | | | | | |
| INTERIOR TRIM | | | | | | | | | |
| 140TDI | | | | | | | | | |
| Black Vienna leather appointed seat upholstery* | S | S | S | S | S | S | S | S | S |
| *Leather appointed seats have 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. | | | | | | | | | |
| GLOSSARY | | | | | | | | | |
| Adaptive Cruise Control (ACC) | | | | | | | | | |
| <p>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.</p> <p>If the Passat Alltrack 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.</p> <p>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.</p> <p>The dynamics of the ACC system can be individually varied by selecting one of the driving programs from the driver profile selector also available as part of the driver assistance package.</p> <p>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.</p> | | | | | | | | | |
| 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 torque. ASR is a switchable traction control system. | | | | | | | | | |
| 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. | | | | | | | | | |



VOLKSWAGEN PASSAT ALLTRACK Features and specifications

GLOSSARY CONT'D

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

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, Adaptive Cruise Control (ACC) and air conditioning.

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.

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 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.



VOLKSWAGEN PASSAT ALLTRACK Features and specifications

GLOSSARY CONT'D

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 65km/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.

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.



VOLKSWAGEN PASSAT ALLTRACK Features and specifications

GLOSSARY CONT'D

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.

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).

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.

*Optional equipment on selected models

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