



Volkswagen

Passat

Specifications



Features and Specifications

	132TSI Sedan & Wagon	132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Safety and Security			
Airbags			
Driver and front passenger airbags	S	S	S
Driver's knee airbag	S	S	S
Driver and front passenger side airbags	S	S	S
Outer rear seat passenger side airbags	S	S	S
Curtain airbags, front and rear	S	S	S
Anti-theft			
Alarm system with interior monitoring and tilt sensor	—	—	S
Electronic engine immobiliser	S	S	S
Body			
Fully galvanised with 12 year anti-corrosion perforation warranty	S	S	S
Door side impact protection	S	S	S
Rigid safety cell with front and rear crumple zones	S	S	S
Brakes			
Automatic flashing brake lights activated in emergency braking situation	S	S	S
Anti-lock Braking System (ABS)	S	S	S
Electronic Brake-pressure Distribution (EBD)	S	S	S
Brake Assist	S	S	S
Electro-mechanical parking brake	S	S	S
Auto Hold function	S	S	S
Multi-collision brake	S	S	S
Child restraints			
Child seat top tether anchorage points (3)	S	S	S
ISOFIX child seat anchorage points, outer rear seats	S	S	S
Head restraints			
Front safety optimised head restraints, longitudinally and height adjustable	S	S	S
Rear head restraints height adjustable (3)	S	S	S

Safety and Security (continued)

	132TSI Sedan & Wagon	132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Lighting			
Daytime driving lights	S	S	S
Front fog lights with static cornering lights, mounted in lower bumper	—	S	S
LED rear licence plate light	S	S	S
Rear tail lights, LED	S	S	—
Premium rear tail lights in LED	—	—	S
Rear fog lamp	S	S	S
Locking			
Remote central locking	S	S	—
Remote central locking with SAFELOCK deadlock mechanism	—	—	S
2 stage unlocking (programmable)	S	S	S
Automatic locking after takeoff (programmable)	S	S	S
Keyless Comfort start function with starter button	S	—	—
Keyless Access, keyless entry and starting system including starter button	—	S	S
One touch lock / unlock for driver	S	S	S
Child safety locks on rear doors	S	S	S
Seat belts			
Front height adjustable with pre-tensioners and belt force limiters	S	S	S
Outer rear seat belt pre-tensioners	S	S	S
Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S	S	S
Visual indicator for rear seat passenger seat belt status	S	S	S
3 point seat belts for all passengers	S	S	S
Traction Control			
Electronic Differential Lock (EDL)	S	S	S
Anti-Slip Regulation (ASR)	S	S	S
Electronic Stabilisation Program (ESP)	S	S	S
Extended Electronic Differential Lock (XDL)	S	S	S

Exterior Equipment / Styling	132TSI Sedan & Wagon	132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Body enhancements			
Body coloured bumper bars, door handles and exterior mirrors	S	S	S
Chrome radiator grille highlights	S	S	S
Chrome trim around side window frames	S	S	S
Chrome lower body side, front and rear bumper mouldings	—	—	S
Dual exposed exhaust tail pipes, left	S	S	S
Front bumper lower outer air intakes with chrome highlights	—	—	S
Front bumper lower air intakes with centre chrome highlight	S	S	S
Rear tailgate protective trim in chrome look (Wagon)	A	A	A
Paint			
Metallic or Pearl Effect paint finish	O	O	O
Protection			
Loading sill protection, stainless-steel look (Wagon)	A	A	A
Loading sill protection, clear	A	A	A
Mudflaps, front and rear Mudflaps are not compatible with the optional R-Line package	A	A	A
Slimline weather shields (set of 2)	A	A	A
Roof			
Roof rails, chrome (Wagon)	S	S	S
Roof bars	A	A	A
Bicycle, kayak, ski, surfboard and snowboard holders	A	A	A
Luggage box range – 340 and 460 litres volume	A	A	A
Tinted glass			
Heat insulating tinted glass	S	S	S
Wheels			
Alloy wheels (Istanbul) 17 x 7" with 215/55 R17 mobility tyres	S	—	—
Alloy wheels (London) 17 x 7" with 215/55 R17 mobility tyres	—	S	—
Alloy wheels (Dartford) 18 x 8" with 235/45 R18 mobility tyres	—	—	S
Alloy wheels (various designs) 17" and 18" Please consult your Volkswagen Dealer for correct wheel and tyre fitment by model	A	A	A
Anti-theft wheel bolts	S	S	S
Full size alloy spare wheel	S	S	S
Low tyre pressure indicator	S	S	S

Comfort and Convenience

Armrests

Front centre armrest with storage box and 2 rear air outlets
Rear seat centre armrest with cup holders and load through provision

Air conditioning

3 Zone automatic climate control with indirect ventilation mode (3 modes)
Air quality and humidity sensor with automatic air recirculation
Dust and pollen filter
Residual heat mode (REST)

Cruise control

Cruise Control
Adaptive Cruise Control (ACC) Available as part of the optional Driver Assistance package for 132TSI
Speed limiter (programmable)

Cup holders

Front (2) with cover
Rear (2) in rear centre armrest
Bottle holders in front door pockets

Driver assistance systems

Driver Fatigue Detection system
Driving profile selection~†
Think Blue Trainer, ECO tip function with fuel efficiency advice
Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated
Optical Parking System (OPS) in radio/navigation display
Rear View Camera (RVC Plus*) with multi-angle views and dynamic guidance lines
Rear Traffic Alert*-
Front Assist with City Emergency Brake* (City EB) function-
Lane Assist*, lane departure warning system-
Side Assist*, lane changing assistant-

-Available as part of the optional Driver Assistance package for 132TSI.

† Available as part of the optional Luxury package for 132TSI Comfortline.

*Safety technologies are not a substitute for the driver's responsibility of the vehicle.

Entry/warning reflectors in front and rear doors

Floor mats

Front and rear, carpet
Front and rear, rubber

Grab handles

Soft fold away grab handles (4)

132TSI Sedan & Wagon

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132TSI Comfortline Sedan & Wagon

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140TDI Highline Sedan & Wagon

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Comfort and Convenience (continued)

	132TSI Sedan & Wagon	132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Headlights			
Halogen headlights with clear polycarbonate lens	S	S	S
Separate headlight and fog light switch	S	S	S
Coming / leaving home function	S	S	S
Daytime driving lights	S	S	S
Internal headlight range adjustment	S	S	S
Low light sensor with automatic headlight function	S	S	S
In car entertainment and technology			
Discover Media audio and satellite navigation system 6.5" colour touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and 2 x SD card slot slots for music and navigation data, 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	—	—
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 slot 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	S
App-Connect USB interface for Apple CarPlay®, Android Auto™ and MirrorLink® in centre console	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	S	S	S
Auxiliary input audio socket in centre console	S	S	S
Bluetooth® phone connectivity with contacts display, operation via touch screen audio unit or Multi-Function Display and Bluetooth® audio streaming	S	S	S
Speakers, front and rear (8)	S	S	S
Voice operation, telephone and navigation system functions can be operated using voice commands	—	S	S
Instrumentation			
Speedometer & tachometer, electronic odometer and tripmeter, digital clock, fuel & coolant gauges, ambient temperature display, transmission gear indicator with white adjustable illumination	S	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S	S
Interior highlights			
'Silver Diamond' decorative inserts in dashboard, centre console and doors	S	S	—
Brushed aluminium decorative inserts in dashboard, centre console and doors	—	—	S
Analogue clock in dashboard, centre	S	S	S
Chrome highlight trim to air vent surrounds and rotary light switch	S	S	S
Chrome highlights to mirror adjustment and power window switches	—	—	S
Door sill protection – aluminium with Passat lettering	A	A	—
Door sill protection film – Black with silver highlights	A	A	—
Leather covered steering wheel and gearshift knob	S	S	S
Matte chrome trim on instrument cluster and gearshift lever surround	S	S	—
Piano Black trim on instrument cluster and gearshift lever surround	—	—	S
Interior lighting			
With time delay, front and rear	S	S	S
Reading lights, front and rear with chrome rings	S	S	S

Comfort and Convenience (continued)

Storage

Centre console storage compartment
Chillable and lockable glove box with illumination
Coin tray and 12 volt socket in console
Driver's side dashboard compartment with lid
Door pockets, front and rear
Front seat backrest storage pockets
Compartment with lid in roof console

Transmission

Gearshift recommendation indicator
6 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function

Trip Computer

Multi-Function Display (MFD Plus) monochrome display – 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
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

Upholstery

Comfort cloth seat upholstery
Vienna leather appointed seat upholstery*
Nappa leather appointed seat upholstery*

*Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather.

Vanity mirrors

Driver's and passenger's side vanity mirrors
Illuminated on driver's and passenger's side

Windows

Power front / rear, with roll-back function and one touch up-down
Remote operated convenience close and open feature

Wipers

2 speed wash/wipe windscreen wipers
Heated washer jets
Rain sensor
Rear window with wash/wipe and intermittent wipe (Wagon)

12V socket

Centre console
Rear seat area
Luggage compartment

132TSI Sedan & Wagon

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132TSI Comfortline Sedan & Wagon

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140TDI Highline Sedan & Wagon

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Optional Packages	132TSI Sedan & Wagon	132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Driver Assistance Package			
Adaptive Cruise Control* (ACC) Front Assist with City Emergency Brake* (City EB) function Rear Traffic Alert* Side Assist*, lane changing assistance Lane Assist*, lane departure warning system Driving profile selection	0	—	—
*Safety technologies are not a substitute for the driver's responsibility of the vehicle.			
Luxury Package			
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 with integrated wind deflector and sunblind (Sedan) Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector (Wagon) LED ambient lighting in driver and front passenger foot well, front door decorative inlays, door openers and handles Electrically foldable exterior mirrors Driving profile selection Standard on 140TDI Highline. Park Assist, parking bay and parallel parking assistance	—	0	0
R- Line Package			
Alloy wheels (Verona) 19x8" with 235/40 R19 mobility tyres Aluminium finish accelerator and brake pedals Aluminium finish front and rear door scuff plates Black headlining and pillar trim Dark tinted rear side window and rear window glass, 65% light absorbing Decorative inlays, 'Piano Black' instrument surround, centre console Standard on 140TDI Highline. Decorative inserts, 'Black Lead Grey' for dashboard and door trim panels 3 spoke leather covered flat bottomed sports steering wheel with brushed aluminium inserts, decorative stitching and R-Line badge Steering wheel mounted gearshift paddles Progressive steering R-Line badge in radiator grille R-Line front bumper with front spoiler and large lower air intake R-Line side sill extensions R-Line rear bumper with trapezoidal exhaust trims left and right Rear roof spoiler with black aerodynamic extensions (Wagon) Sports suspension, lowered approximately 15mm Sport front seats in Carbon Nappa leather appointed seat upholstery with R-Line logo and decorative stitching Carpet mats, front and rear with decorative stitching Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather. Please note: The Passat Wagon Easy Open feature is not included in combination with the optional R-Line package.	—	0	0

Technical Specifications

	132TSI 132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Engine	1.8 litre TSI BlueMotion Technology	2.0 litre TDI BlueMotion Technology
Type	4 cylinder inline turbo petrol with engine Start/Stop system*	4 cylinder inline turbo diesel with engine Start/Stop system*
Installation	Front transverse	Front transverse
Cubic capacity, litres/cc	1.8 / 1798	2.0 / 1968
Bore/stroke, mm	82.5 / 84.2	81.0 / 95.5
Max power, kW @ rpm	132 @ 5100-6200	140 @ 3500-4000
Max torque, Nm @ rpm	250 @ 1250-5000	400 @ 1750-3000
Compression ratio	9.6:1	15:5
Fuel system	Bosch Motronic direct injection and intake manifold injection system	Bosch with common rail injection
Ignition system	Electronic	Compression
Exhaust emission control	Two three-way catalytic converters with Lambda control; Exhaust gas recirculation	Exhaust gas recirculation with SCR catalytic converter and diesel particulate filter
Fuel type (recommended)	Premium unleaded 95 RON minimum	Diesel DIN EN 590
Fuel tank capacity, litres	70	70
Transmission	7 Speed DSG	6 Speed DSG
Driven wheels	Front wheel drive	Front wheel drive
Performance#^		
0 – 100 km/h	7.9 (8.1)	7.7 (7.9)
Fuel consumption***^		
Combined, L/100 km	6.0 (6.0)	4.8 (4.8)
Urban, L/100km	7.3 (7.3)	5.6 (5.6)
Extra Urban, L/100 km	5.2 (5.2)	4.3 (4.3)
CO ₂ emission g/km	136 (137)	125 (126)

(^Passat Wagon specific figures in brackets)

*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.

Technical Specifications

	132TSI 132TSI Comfortline Sedan & Wagon	140TDI Highline Sedan & Wagon
Running gear		
Suspension	Independent, MacPherson struts with lower wishbones and coil springs. Anti-roll bar	
Front axle	Independent, four-link with 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	Ventilated Discs
Rear	Discs	Discs
Turning circle, m	11.7	11.7
Weights^		
Tare Mass Kg`s	1450 (1483)	1517 (1562)
Exterior Dimensions^		
Overall length mm	4,767 (4,767)	4,767 (4,767)
Width mm	1,832 (1,832)	1,832 (1,832)
Height mm	1,456 (1,477)	1,456 (1,477)
Wheelbase mm	2,791 (2,791)	2,791 (2,791)
Track mm		
Front**	1,586 (1,586)	1,586 (1,586)
Rear**	1,570 (1,570)	1,570 (1,570)
Luggage Area Dimensions^#		
Volume		
Rear seat upright L	586 (650)	586 (650)
Rear seat folded L	1,152 (1,780)	1,152 (1,780)
Floor length		
Rear seat upright mm	1164 (1132)	1164 (1132)
Rear seat folded mm	1974 (1956)	1974 (1956)
Maximum width between wheel arches mm	1,005 (1,005)	1,005 (1,005)
Opening height mm	339 (706)	339 (706)
Opening width mm	933 (1,032)	933 (1,032)
Load height mm	507 (890)	507 (890)

^ (Passat Wagon specific figures in brackets)

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

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

Colour & Upholstery Combinations

Interior Trim	Exterior Colours						
	Pure White	Tungsten Silver M	Indium Grey M	Night Blue M	Reflex Silver M	Harvard Blue M	Deep Black PE
132TSI							
Black comfort cloth seat upholstery	S	S	S	S	S	S	S
132TSI Comfortline							
Black Vienna leather appointed seat upholstery*	S	S	S	S	S	S	S
Black Carbon Nappa leather appointed seat upholstery**	O	O	O	O	O	O	O
140TDI Highline							
Black Nappa leather appointed seat upholstery*	S	S	S	S	S	S	S
St Tropez Nappa leather appointed seat upholstery*	S	S	S	S	S	S	S
Black Carbon Nappa leather appointed seat upholstery**	O	O	O	O	O	O	O

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.

**Only available as a part of optional R-Line package for 132TSI Comfortline and 140TDI Highline.

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 selector also available as part of the driver assistance package.

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 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.

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.

Glossary

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.

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.

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.

*Optional equipment on selected models.

Glossary

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 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.

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.



140TDI Highline model shown with optional Luxury package.

Passat

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