



Volkswagen

Golf

Specifications



Features and Specifications

Safety and Security	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
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
Curtain airbags, front and rear	S	S	S
Anti-theft			
Electronic engine immobiliser	S	S	S
Body			
Fully galvanised body 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
Brake Assist	S	S	S
Electronic Brake-pressure Distribution (EBD)	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
Entry/warning reflectors in front and rear doors	S	S	S
Head restraints			
Front safety optimised head restraints, height adjustable	S	S	S
Rear head restraints height adjustable (3)	S	S	S

Safety and Security (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Lighting			
Front fog lights with static cornering lights, mounted in lower bumper The front fog lights are deleted when optioned with the R-Line package	—	—	S
Fog lamp, rear	S	S	S
LED daytime driving lights, integrated in headlight housing	S	S	S
LED rear registration plate light <small>Golf Wagon</small>	S	S	S
Rear tail lights, LED	S	S	S
Locking			
Remote central locking	S	S	S
2 stage unlocking (programmable)	S	S	S
Automatic locking after take-off (programmable)	S	S	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
Fuel filler flap lock/unlock by remote, push to open	S	S	S
Seat belts			
Front height adjustable with pre-tensioners and belt force limiters	S	S	S
Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S	S	S
3 point seat belts for all passengers	S	S	S
Traction control			
Anti-Slip Regulation (ASR)	S	S	S
Electronic Differential Lock (EDL)	S	S	S
Electronic Stabilisation Program (ESP)	S	S	S
Extended Electronic Differential Lock (XDL)	S	S	S
Exterior Equipment / Styling			
Body enhancements			
Body coloured bumper bars and door handles	S	S	S
Body coloured exterior rear view mirrors	S	S	S
Radiator grille highlights in gloss black and chrome	S	S	S
Front bumper horizontal chrome strip	—	S	S
Lower side window chrome strip <small>Golf Wagon</small>	—	—	S
Rear bumper horizontal chrome strip	—	S	S
Rear bumper with black diffuser	S	S	S
Trapezoidal chrome bumper trims, left and right	—	—	S
Paint			
Metallic or Pearl Effect paint finish	O	O	O

Exterior Equipment / Styling (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Roof			
Roof rails, black Golf Wagon	S	—	—
Roof rails, chrome Golf Wagon	—	S	S
Tinted Glass			
Heat insulating tinted glass	S	S	S
Tinted rear tail light clusters	S	S	S
Wheels			
Alloy wheels (Toronto) 16x6½" with 205/55 R16 tyres	S	—	—
Alloy wheels (Dijon) 17x7" with 225/45 R17 tyres	—	S	—
Alloy wheels (Karlskoga) 17x7" with 225/45 R17 tyres	—	—	S
Anti-theft wheel bolts	S	S	S
Low tyre pressure indicator	S	S	S
Weight and space saving spare wheel	S	S	S

Comfort and Convenience	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Armrests			
Front centre armrest, adjustable with storage box and rear air outlets (2)	S	S	S
Rear seat centre armrest with cup holders (2) and load through provision	S	S	S
Air conditioning			
Air conditioning, manual control	S	—	—
Air conditioning, Air Care dual zone automatic climate control with air cleaning function and allergen filter	—	S	S
Air quality and humidity sensor with automatic air recirculation	—	S	S
Dust and pollen filter	S	S	S
Cruise control			
Cruise control	S	S	S
Speed limiter (programmable)	S	S	S
Cup holder			
Front (2)	S	S	S
Rear (2)	S	S	S
Bottle holders in front door pockets	S	S	S
Driver assistance systems*			
Adaptive Cruise Control (ACC)	P	P	S
Automatic kerb function when reversing, passenger's side exterior mirror	S	S	S
Blind Spot Monitor with Rear Traffic Alert	P	P	S
Distance warning display	S	S	S
Driver Fatigue Detection system	S	S	S
Driving profile selection	P	P	S
Emergency Assist^	P	P	S
Front Assist with City Emergency Brake (City EB) and Pedestrian Monitoring functions	S	S	S
Lane Assist with adaptive lane guidance^	P	P	S
Light Assist, automatic highbeam headlight function	—	—	S
Manoeuvre braking, front and rear	S	S	S
Optical Parking System (OPS) in radio/navigation display	S	S	S
Park Assist, parking bay and parallel parking assistance	P	P	S
Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	S	S	S
Rear View Camera (RVC) with static guidance lines	S	S	S
Personalisation function	P	P	S
Proactive occupant protection system	P	P	S
Traffic Jam Assist^	P	P	S
^DSG transmission equipped model only			

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

S Standard O Optional Extra — Not available P Available as part of an optional package

Comfort and Convenience (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Floor mats			
Front and rear, carpet	—	S	S
Grab handles			
Soft fold away grab handles, front and rear	S	S	S
Headlights			
Coming / leaving home function	S	S	S
Combined headlight and fog light switch	S	S	S
Halogen twin headlights with LED daytime driving lights	S	S	—
Headlight range adjustment, selection in infotainment system car menu	S	S	—
LED headlights for low and high beam with single LED daytime driving light signature and automatic self-levelling	—	—	S
Low light sensor with automatic headlight function	S	S	S
In car entertainment and technology			
Composition Media audio system 8.0" colour capacitive touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and SD card slot for music, compatible with MP3, WMA and AAC music files, jpeg image viewer, car menu with convenience and service settings, security coded	S	—	—
Discover Media audio and satellite navigation system 8.0" colour capacitive touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and 2 x SD card 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	S
App-Connect™ USB interface for Apple CarPlay®, Android Auto™ and MirrorLink® in front centre console	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	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
Media Control	—	S	S
Speakers, front and rear (8)	S	S	S
Instrumentation			
Multi-Function Display (MFD Plus) Monochrome display of driving data - driving time, trip length, average and current speed, average and current fuel consumption, distance till empty, engine oil temperature, speed warning function, vehicle status, audio, telephone, driver assistance systems and convenience menus	S	S	—
Multi-Function Display (MFD Premium) Colour display of driving data and screen transitions with animations – driving time, trip length, average and current speed, average and current fuel consumption, distance till empty, engine oil temperature, speed warning function, vehicle status, audio, telephone, driver assistance systems, navigation and convenience menus	—	—	S
Speedometer & tachometer, electronic odometer and tripmeter, fuel and coolant gauges, low fuel and vehicle system warning lights, white illumination with red needles	S	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S	S

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

Comfort and Convenience (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Interior highlights			
Brushed chrome trim surrounding instrument dials, air vents and gearshift lever	S	S	S
Chrome highlight trim on headlight switch and exterior mirror switch	—	S	S
Chrome highlight trim on power window switches	—	—	S
Decorative inlays, “polar night black” to instrument surround and centre console, “spotpoint” to passenger’s side dashboard and doors	S	—	—
Decorative inlays, “polar night black” to instrument surround and centre console, “brushed dark metal” to passenger’s side dashboard and doors	—	S	—
Decorative inlays, “piano black” to instrument surround and centre console, “Linearus” to passenger’s side dashboard and doors	—	—	S
Gearshift knob in leather	S	S	S
Interior lighting			
With time delay	S	S	S
Front reading lights (2) and rear passenger reading lights (2), LED Highline models	S	S	S
LED ambient lighting in driver and front passenger foot well, front door decorative inlays, door openers and handles	—	—	S
Luggage compartment			
Load restraining hooks	S	S	S
Luggage compartment light	S	S	S
Luggage cover, removable and storable	S	S	S
Luggage cover, extendable with automatic (2 stage) opening <small>Golf Wagon</small>	S	S	S
Luggage net partition, extendable rear seat backrest to roof lining, removable and storable <small>Golf Wagon</small>	S	S	S
Shopping bag hooks	S	S	S
Storage area in side lining	S	S	S
Variable luggage compartment floor level <small>Golf</small>	S	S	S
Raised luggage compartment floor level with storage compartment <small>Golf Wagon</small>	S	S	S
12 volt socket	—	S	S
Mirrors			
Automatic dimming interior rear-view mirror	S	S	S
Electrically heated and adjustable exterior mirrors	S	S	S
Electrically foldable exterior mirrors with environment lighting	—	S	S
LED turn indicators integrated in exterior mirrors	S	S	S
Memory function for exterior mirrors	—	—	S
Power steering			
Electro-mechanical, vehicle speed and steering input sensitive	S	S	S

Comfort and Convenience (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Seating			
Comfort front seats	—	S	—
Comfort sports front seats	—	—	S
Electric adjustment for driver's seat with 3 position memory function	—	—	S
Height adjustment for front seats	S	S	S
Individually heated front seats	—	—	S
Lumbar adjustment for driver's seat, electrically adjustable	—	—	S
Lumbar adjustment for driver's seat, manually adjustable	S	S	—
Lumbar adjustment for front passenger seat, manually adjustable	S	S	S
Split folding rear seat backrest (40/60)	S	S	S
Rear seat backrest with remote release <small>Golf Wagon</small>	S	S	S
Rear seat centre armrest with cup holders (2) and load through provision	S	S	S
Steering wheel			
3 spoke leather covered flat bottomed steering wheel	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls	S	S	S
Height and reach adjustable steering wheel	S	S	S
Storage			
Centre console storage compartment under armrest	S	S	S
Glove compartment with cooling, illumination, coin and card holders	S	S	S
Compartment with lid in dashboard console containing App-Connect USB interface	S	S	S
Compartment in roof console <small>Golf</small>	—	S	S
Compartment in roof console <small>Golf Wagon</small>	—	S	—
Driver's side dashboard compartment with lid	S	S	S
Front door pockets with bottle holders, lined	S	S	S
Front seat backrest storage pockets	—	S	S
Rear door pockets, lined	S	S	S
Tray and 12 volt socket in console	S	S	S
Sunroof			
Panoramic glass sunroof, electrically slide and tilt adjustable (front half section <small>Golf Wagon</small>) with integrated wind deflector and sunblind	—	—	S

Comfort and Convenience (continued)	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Transmission			
Gearshift recommendation indicator	S	S	S
6 speed manual transmission Golf	S	—	—
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function Golf	O	S	S
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function Golf Wagon	S	S	S
Upholstery			
Cloth seats	S	—	—
Comfort cloth seats	—	S	—
Vienna leather appointed seat upholstery Leather appointed seats have a combination of genuine and artificial leather, but are not wholly leather	—	—	S
Vanity mirrors			
Driver's and passenger's side vanity mirrors in sun visor, driver's side with ticket holder	S	S	S
Illuminated on driver's and passenger's side	S	S	S
Windows			
Power front / rear, with roll-back function and one-touch up-down	S	S	S
Remote operated convenience close and open feature (programmable)	S	S	S
Wipers			
2 speed aero wipers with wash/wipe and vehicle speed sensitive intermittent wipe	S	S	S
Rain sensor	S	S	S
Rear window with wash/wipe and intermittent wipe	S	S	S
12V socket			
Centre console	S	S	S
Luggage compartment	—	S	S

Optional Packages	110TSI Trendline Golf & Golf Wagon	110TSI Comfortline Golf & Golf Wagon	110TSI Highline Golf & Golf Wagon
Driver assistance package*			
Adaptive Cruise Control (ACC) Blind Spot Monitor with Rear Traffic Alert Driving profile selection Emergency Assist^ Lane Assist, lane departure warning system Lane Assist with adaptive lane guidance^ Park Assist, parking bay and parallel parking assistance Personalisation function Proactive occupant protection system Traffic Jam Assist^ ^DSG transmission equipped model only	0	0	S
Sound & Vision package			
Active Info Display, high resolution 12.3" TFT instrument display screen with customisable menus Discover Pro audio and satellite navigation system 9.2" colour capacitive touch screen display with smartphone style HMI, configurable home screen and proximity sensor, Gesture Control, Voice Control, 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 Dynaudio Excite 400W premium audio system with 10-channel digital amplifier and subwoofer	—	0	0
R-Line package			
Alloy wheels (Sebring) 18x7½" with 225/40 R18 tyres (4) Aluminium finish accelerator and brake pedals Aluminium finish front door scuff plates Black headlining and pillar trim Dark tinted rear side window and rear window glass, 65% light absorbing Decorative inlays, 'Dark Diamond Flag' to passenger's side dashboard and doors 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 and front side panels R-Line front bumper with gloss black detail, front spoiler and large lower air intake R-Line rear bumper with gloss black sports diffuser and trapezoidal chrome trims Rear roof spoiler with gloss black aerodynamic extensions Lower body side sill extensions in gloss black Sports suspension, lowered approximately 15mm Vienna leather appointed seat upholstery# for R-Line with R-Line logo and decorative stitching	—	—	0
Please note: The R-Line package is only available with selected exterior colours. Please refer to the Colour Combinations section of the specification sheet			

*Safety technologies are designed to assist the driver, but should not be used as a substitute for safe driving practices.
#Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

Technical Specifications

	110TSI Trendline	110TSI Trendline 110TSI Comfortline 110TSI Highline
Engine	1.4 litre TSI BlueMotion Technology	1.4 litre TSI BlueMotion Technology
Type	4 cylinder inline turbocharged direct injection petrol with engine Start/Stop system*	4 cylinder inline turbocharged direct injection petrol with engine Start/Stop system*
Installation	Front transverse	Front transverse
Cubic capacity, litres/cc	1.4/1395	1.4/1395
Bore/stroke, mm	74.5/80.0	74.5/80.0
Max power, kW @ rpm	110 @ 5000-6000	110 @ 5000-6000
Max torque, Nm @ rpm	250 @ 1500-3500	250 @ 1500-3500
Compression ratio	10:1	10:1
Ignition system	Electronic	Electronic
Exhaust emission control	Exhaust gas recirculation, three way catalytic converter and lambda probes	Exhaust gas recirculation, three way catalytic converter and lambda probes
Fuel type (recommended)	Premium unleaded 95 RON minimum	Premium unleaded 95 RON minimum
Transmission	6 speed Manual	7 Speed DSG
Driven wheels	Front wheel drive	Front wheel drive
Performance[#]		
0 – 100 km/h, seconds	8.2	8.2 (8.6)
Fuel Consumption^{**}		
Combined, L/100km	5.7	5.4 (5.6)
Urban, L/100km	7.1	6.6 (6.7)
Extra Urban, L/100km	4.9	4.8 (4.9)
CO ₂ emission g/km~	133	128 (131)
Fuel tank capacity, L	50	50 (50)

Figures in brackets () refer specifically to Golf Wagon.

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

Technical Specifications

	110TSI Trendline	110TSI Trendline 110TSI Comfortline 110TSI Highline
Suspension	Independent, MacPherson struts with lower A-arms. 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	Ventilated discs	
Front	Discs	Discs
Rear	Discs	Discs
Turning circle, m	10.9	10.9
Weights	6 Speed Manual	7 Speed DSG
Tare Mass kg's	1241	1261 (1324)
Towbar Capacity kg**		
Braked	1500	1500
Unbraked	640	640 (670)
Towbar Load Limit kg	80	80
Exterior Dimensions		
Overall length, mm	4258 (4567)	
Width, mm	1799 (1799)	
Height, mm	1452 (1461)	
Wheelbase, mm	2620 (2635)	
Track mm		
Front	1537-1543	
Rear	1508-1514	
Luggage Area Dimensions#		
Luggage area volume L		
Rear seat upright	380 (605)	
Rear seat folded	1270 (1620)	
Luggage area floor length, mm		
Rear seat upright	839 (1055)	
Rear seat folded	1558 (1831)	
Luggage area width, mm		
At narrowest point	1003 (1003)	
Luggage load height, mm		
To luggage cover	587 (584)	
To roof lining	900 (936)	

Figures in brackets () refer specifically to Golf Wagon.
#Please note figures are sourced from overseas data where equipment levels by model variant may vary.
**When fitted with a Volkswagen Genuine Tow Bar. Towing capacities are applicable to Volkswagen Genuine Accessory Tow Bar. Towing capacity figures are maximum figures and actual towing capacity depends on factors including the laden mass of the vehicle, driving conditions and fitment of any accessories. 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.

Colour Combinations

Interior Trim	Exterior Colours					
	Pure White	Cranberry Red M	Tungsten Silver M	Indium Grey M	Atlantic Blue M	Deep Black PE
110TSI Trendline						
Black cloth seat upholstery	S	S	S	S	S	S
110TSI Comfortline						
Black comfort cloth seat upholstery	S	S	S	S	S	S
110TSI Highline						
Black Vienna leather appointed seat upholstery	S	S	S	S	S	S
Pure Grey Vienna leather appointed seat upholstery	S	S	S	S	S	S
Black R-Line Vienna leather appointed seat upholstery	P	—	—	P	P	P
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.						

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

Auto Hold function

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

Blind Spot Monitor with Rear Traffic Alert*

The Blind Spot Monitor with Rear Traffic Alert system supports the driver in assessing and avoiding dangerous situations, especially in critical situations, e.g. city and heavy traffic. The Blind Spot Monitor detects cars and motorcycles in the driver's blind spot and highlights these vehicles via a LED indicator in the door mirror. 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).

Blind Spot Monitor 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.

Brake Assist

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

Direct Shift Gearbox (DSG)*

DSG is a manual gearbox in which the gearshifts are controlled electronically. What makes the DSG unique is that it has 2 separate gear sets operated by 2 clutches. The benefit of 2 gear sets and 2 clutches is that one gear set and clutch is engaged driving the vehicle with the second disengaged clutch having already pre-selected the next gear awaiting for power to be transferred. As the next gear has already been pre-selected prior to power being applied, the gear change only takes 3-4 100ths of a second. There is virtually no interruption to power, traction or acceleration. The DSG also offers Tiptronic gear selection and sports mode.

Driving Profile Selection*

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.

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.

Glossary

Emergency Assist**

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

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

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

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

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

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.

Fatigue Detection

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

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

Front Assist with City Emergency Brake (City EB) and Pedestrian Monitoring functions

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 below 30km/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.

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

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

Lane Assist*

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

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

When **adaptive lane guidance**** is active and the system detects both lane markings to the left and right of the vehicle, the function provides permanent assistance while the vehicle is in motion. The system adopts the preferred position within the lane in which the vehicle is travelling. For example, if the vehicle is being driven slightly off-centre in the lane, the system will learn to adopt the new position within a short period of time.

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

Glossary

Light Assist[^]

Light Assist provides enhanced comfort and safety on the road by means of automatic high beam control. A camera on the interior mirror observes the traffic above 60 km/h and in complete darkness, Light Assist automatically switches on the high beam headlights. The system detects vehicles travelling ahead, as well as oncoming traffic and automatically dips the headlights before they are dazzled. Automatic alternation between high beam and low beam headlights ensures optimum illumination of the road ahead.

Manoeuvre braking

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

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

Multi-collision brake

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

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

Park Assist*

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

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

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

Proactive occupant protection system*

The proactive occupant protection system incorporates active and passive safety elements. When the system detects a potential accident situation, the occupants and the vehicle are prepared for a possible accident. Automatic tensioning of the seat belts secures the driver and front passenger in their seats to attain the best possible protective potential of the airbag and belt system. In case of high transverse dynamics the side windows (and optional panoramic sunroof) are also closed, leaving just a small air gap. Closing of the windows offers optimal support to the head and side airbags which results in the best possible protection.

Traffic Jam Assist*[^]

"In congested traffic situations, Traffic Jam Assist makes driving significantly more comfortable and helps to avoid typical rear-end collision accidents. The Traffic Jam Assist function combines the driver assistance systems Adaptive Cruise Control (ACC) and Lane Assist with adaptive lane guidance. In a speed range of 0-60km/h, the system automatically controls acceleration, braking, steering and if required, will decelerate to a stop behind a vehicle that is stopping."

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

Golf

Volkswagen Group Australia Pty Ltd
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