



Features and Specifications

Safety and Security		Life	Style	GTI
Airbags	Driver and front passenger airbags	S	S	S
	Driver and front passenger side airbags	S	S	S
	Centre airbag, front	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
	Security coded audio system	S	S	S
Body	Door side impact protection	S	S	S
	Fully galvanised body with 12 year corrosion perforation warranty	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
	Hill Start Assist (HSA)	S	S	S
	Multi-collision brake	S	S	S
	Red brake callipers	-	-	S
Child restraints	Child seat top tether anchorage points, mounted on rear seat back (3)	S	S	S
	ISOFIX child seat anchorage points, outer rear seats (2)	S	S	S
Head restraints	Front safety optimised head restraints, height adjustable	S	S	S
	Rear head restraints height adjustable (3)	S	S	S
IQ.DRIVE	Adaptive Cruise Control (ACC) with Stop and Go function DSG equipped models	P	S	S
	Automatic kerb function when reversing, passenger's side exterior mirror tilt	S	S	S
	Cruise control with programmable speed limiter	S	-	-
	Distance warning display	S	S	S
	Driver Fatigue Detection system	S	S	S
	Front Assist with Pedestrian and Cyclist Monitoring functions	S	S	S
	Lane Assist, lane departure warning system	S	S	S
	Manoeuvre braking, low speed emergency braking front and rear	S	S	S
	Optical Parking System (OPS) in infotainment display	S	S	S
	Park Assist, parking bay and parallel parking assistance	-	S	S
	Parking distance sensors, front and rear with acoustic and visual warning	S	S	S
	Rear View Camera (RVC) with dynamic and static guidance lines	S	S	S
	Side Assist with Rear Traffic Alert	-	S	S
	Travel Assist DSG equipped models	P	S	S
Locking	Child safety locks on rear doors	S	S	S
	Fuel filler flap lock/unlock by remote, push to open	S	S	S
	Keyless Access, keyless entry and starting system including starter button	-	P	S
	One touch lock / unlock for driver	S	S	S
	Programmable locking functions	S	S	S
	Remote central locking (separate release for luggage compartment)	S	S	S
	SAFELOCK deadlock mechanism	-	-	S
Seat belts	Front height adjustable with pre-tensioners and belt force limiters	S	S	S
	Outer rear seat belts with pre-tensioners and belt force limiters	S	S	S
	Proactive occupant protection system in combination with Front Assist	-	S	S
	Visual and acoustic warning for front and rear seat passengers 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



Features and Specifications

Exterior Equipment / Styling		Life	Style	GTI
Exterior highlights	Body coloured bumper bars, door handles and exterior mirrors	S	S	S
	Exposed dual chrome exhaust tail pipes, left	-	-	S
	GTI nameplate on radiator grille, front wheel guards and tailgate	-	-	S
	Lower air intake with chrome trim	-	S	-
	Lower air intake and radiator grille with black honeycomb inserts	-	-	S
	Radiator grille and headlight housings highlight in chrome	S	S	-
	Radiator grille and headlight housings with red strip	-	-	S
	Rear bumper with black diffuser	S	S	-
	Rear bumper with black sports diffuser	-	-	S
	Rear roof spoiler with gloss black aerodynamic extension	-	-	S
	Side sill panel extensions in black finish	-	-	S
Exterior lighting	Coming / leaving home function	S	S	S
	Front fog lights with static cornering function, integrated in lower bumper	-	S	-
	Fog lamp, rear	S	S	S
	LED driving lights, integrated in lower bumper	-	-	S
	LED headlights for low and high beam with LED daytime driving lights	S	-	-
	LED illuminated grille strip	-	S	S
	IQ.LIGHT matrix LED headlights for low and high beam with unique LED daytime driving light signature and automatic self-levelling	-	S	S
	Dynamic Light Assist	-	S	S
	LED rear tail lights	S	-	-
	Premium LED tail lights with dynamic indicators	-	S	S
	Low light sensor with automatic headlight function	S	S	S
Paint	Gloss paint finish	S	S	S
	Metallic / Pearl Effect paint finish	O	O	S
	Premium Metallic paint finish	-	-	O
Tinted glass	Darkened rear tail light clusters	S	S	S
	Heat insulating tinted glass	S	S	S
Wheels	Alloy wheels (Essex) 15x5.5" with 185/65 R15 tyres	S	-	-
	Alloy wheels (Palermo) 16x6.5" with 195/55 R16 tyres	-	S	-
	Alloy wheels (Faro) 18x7.5" with 215/40 R18 tyres	-	-	S
	Anti-theft wheel bolts	S	S	S
	Low tyre pressure indicator	S	S	S
	Spare wheel, 15" steel	S	S	-
	Spare wheel, weight and space saving	-	-	S
	Style and GTI spare wheels are speed restricted			
Comfort and Convenience				
Armrest	Front centre armrest with storage compartment, longitudinal adjustable	S	S	S
Air conditioning	Air conditioning, manual control	S	-	-
	Dual zone automatic climate control air conditioning	-	S	S
	Air Care air cleaning function	-	S	S
	Dust and pollen filter	S	S	S
	Touch slider temperature controls	-	S	S
Console	Centre console with open storage compartment, cup holders and 12 volt socket	S	S	S
Cup holder	Front (2)	S	S	S
	Bottle holders in front door pockets	S	S	S
	Driving profile selection - Eco, Normal, Sport and Individual modes	-	-	S
	Sport Select suspension	-	-	S
Floor mats	Front and rear, carpet	-	S	S



Features and Specifications

Comfort and Convenience (cont'd)		Life	Style	GTI
In car entertainment and technology	Digital Cockpit Colour digital display with customisable views of speedometer, tachometer, driving data and driver assistance systems	S	-	-
	Digital Cockpit Pro Colour digital display with multiple customisable views of speedometer, tachometer, navigation, driving data, audio, telephone and driver assistance systems	P	S	S
	Composition Media audio system 8.0" colour capacitive touch screen display with smartphone style HMI, telephone, media, App-Connect, sound, vehicle and driver assistance system settings	S	S	-
	Discover Media audio and satellite navigation system 8.0" colour capacitive touch screen display with smartphone style HMI, proximity sensor, voice and gesture control, configurable navigation map views, compatible with MP3, WMA and AAC music files, digital clock, car menu with convenience and service settings, security coded	P	P	S
	App-Connect USB interfaces for Apple CarPlay® and Android Auto™ in front centre console	S	S	S
	Wireless App-Connect for Apple CarPlay® and Android Auto™ App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).	P	P	S
	Audio, voice control, driver assistance system and Digital Cockpit touch controls mounted on steering wheel	S	S	S
	Bluetooth® phone connectivity, operation via touch screen infotainment system or Digital Cockpit and Bluetooth® audio streaming	S	S	S
	AM, FM and DAB+ Digital radio reception	S	S	S
	Inductive wireless charging	S	S	S
	Speakers, front and rear (6)	S	S	S
	2 USB-C ports in the front, 2 USB-C charging sockets on the centre console in the rear	S	S	S
Interior highlights	Bushed stainless steel finish accelerator and brake pedals	-	-	S
	Black headlining and pillar trim	-	-	S
	Ceramique headlining and pillar trim	S	S	-
	Chrome elements on outer air vents, interior door handle surrounds, power mirror and power window switches	-	S	S
	Door sill scuff plates in aluminium finish with GTI logo, front	-	-	S
	Gloss black highlight surrounding instruments and infotainment system	S	S	S
	Gearshift knob and handbrake lever handle in leather	S	S	S
	Lava Stone Black inlays to dashboard, front centre console and front door trims	S	-	-
	Deep Iron Grey Metallic gloss inlays to dashboard, front centre console and front door trims	-	S	O
	Kings Red inlays to dashboard, front centre console and front door trims Kings Red Premium Metallic paint finish is offered only in combination with Deep Iron Grey inlays.	-	-	S
Interior lighting	Interior light with time delay	S	S	S
	LED ambient lighting in front door trim inserts and dashboard	-	S	S
	LED lighting in driver and front passenger foot wells and phone storage compartment	-	S	S
	Passenger reading lights, front (2) and rear (2)	S	-	-
	Passenger reading lights LED, front (2) and rear (2)	-	S	S
Luggage compartment	Load restraining hooks	S	S	S
	Luggage compartment light	S	S	S
	Luggage compartment cover, removable	S	S	S
	Shopping bag hooks	S	S	S
	Variable luggage compartment floor level	S	S	-



Features and Specifications

Comfort and Convenience (cont'd)		Life	Style	GTI
Mirrors	Automatic dimming interior rear-view mirror	S	S	S
	Electrically foldable exterior mirrors	S	S	S
	Electrically heated and adjustable exterior mirrors	S	S	S
	LED turn indicators integrated in exterior mirrors	S	S	S
Power steering	Electro-mechanical, vehicle speed and steering input sensitive	S	S	S
Seating	Height adjustment for driver's seat	S	S	S
	Height adjustment for front passenger's seat	S	S	S
	Lumbar adjustment for front seats, manually adjustable	S	S	S
	Split folding rear seat backrest (40/60)	S	S	S
	Comfort front seats	S	-	-
	Comfort sport front seats	-	S	-
	Sports seats with additional side bolstering	-	-	S
Steering wheel	3 spoke leather covered steering wheel	S	S	-
	3 spoke leather covered sports steering wheel	-	-	S
	Audio, driver assistance and Digital Cockpit controls	S	S	S
	Gearshift paddles DSG equipped models	S	S	S
	Height and reach adjustable steering wheel	S	S	S
Storage	Card holder in front centre console	S	S	S
	Coat hooks on centre door pillars	S	S	S
	Compartment in roof console	S	S	S
	Compartment for owner's manual under left front seat	S	S	S
	Compartment (open) in front centre console	S	S	S
	Front centre armrest storage compartment	S	S	S
	Front door pockets	S	S	S
	Front seat back storage pockets	S	S	S
	Glove compartment with coin and card holders	S	S	S
	Rear door pockets	S	S	S
Sunroof	Panoramic glass sunroof, electrically slide and tilt adjustable with integrated wind deflector and sunblind	-	O	O
Sun visors	Driver and front passenger	S	S	S
Transmission	Gearshift recommendation indicator	S	S	S
	5 speed manual transmission	S	-	-
	6 speed Direct Shift Gearbox (DSG) with Tiptronic function and Sport mode	-	-	S
	7 speed Direct Shift Gearbox (DSG) with Tiptronic function and Sport mode	O	S	-
Upholstery	Comfort cloth	S	-	-
	Comfort sport cloth	-	S	-
	'Clark' GTI sports cloth	-	-	S
Vanity mirrors	Driver's side vanity mirror	S	S	S
	Front passenger's side vanity mirror	S	S	S
	Illuminated on driver's and passenger's side	S	S	S
Windows	Power front and rear with one-touch up-down	S	S	S
	Remote operated convenience close and open feature (programmable)	S	S	S
Wipers	2 speed aero windscreen wipers with wash/wipe	S	S	S
	Rain sensor	S	S	S
	Rear window with wash/wipe and intermittent wipe	S	S	S
	Warning lamp for washer fluid level	S	S	S
12V accessory socket in centre console		S	S	S



Features and Specifications

Optional Package		Life	Style	GTI
Vision & Tech package (DSG)	Adaptive Cruise Control (ACC) with Stop and Go function DSG equipped models	O	-	-
	Travel Assist			
Vision & Tech package (DSG)	Digital Cockpit Pro			
	Colour digital display with multiple customisable views of speedometer, tachometer, navigation, driving data, audio, telephone and driver assistance systems			
Vision & Tech package (DSG)	Discover Media audio and satellite navigation system			
	8.0" colour capacitive touch screen display with smartphone style HMI, proximity sensor, voice and gesture control, configurable navigation map views, compatible with MP3, WMA and AAC music files, digital clock, car menu with convenience and service settings, security coded			
Vision & Tech package (DSG)	Wireless App-Connect for Apple CarPlay® and Android Auto™			
	App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).			
Sound & Tech package	beats 300W premium audio system with 8-channel digital amplifier and subwoofer	-	O	-
	Discover Media audio and satellite navigation system			
Sound & Tech package	8.0" colour capacitive touch screen display with smartphone style HMI, proximity sensor, gesture and voice control, configurable navigation map views, compatible with MP3, WMA and AAC music files, digital clock, car menu with convenience and service settings, security coded			
	Keyless Access, keyless entry and starting system including starter button			
Sound & Tech package	Wireless App-Connect for Apple CarPlay® and Android Auto™			
	App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).			
Sound & Tech package	The variable luggage compartment floor level is deleted when this package is selected.			
	beats 300W premium audio system with 8-channel digital amplifier and subwoofer	-	-	O
Sound & Tech package	Discover Pro audio and satellite navigation system			
	9.2" colour capacitive touch screen display with smartphone style HMI, customisable home screen, proximity sensor, gesture and voice control, configurable navigation map views, telephone, media, App-Connect, sound, vehicle and driver assistance system settings			



Colour Combinations

EXTERIOR COLOUR							
	Pure White	Vibrant Violet M	Reflex Silver M	Smokey Grey M	Reef Blue M	Kings Red PM	Deep Black PE
INTERIOR TRIM							
Life							
Black comfort cloth seat upholstery	S	S	S	S	S	-	S
Style							
Black-Ceramique comfort sport cloth seat upholstery	S	S	S	S	S	-	S
GTI							
'Clark' GTI sports cloth seat upholstery	S	-	-	S	S	S	S

Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost for Life and Style. Premium Metallic (PM) paint is optional at additional cost for GTI.

Volkswagen Polo



Technical Specifications

Model	Life	Life Style	GTI
Engine	1.0 litre TSI	1.0 litre TSI	2.0 litre TSI
Type	3 cylinder inline turbocharged direct injection petrol with engine Start/Stop system and brake energy recuperation*	3 cylinder inline turbocharged direct injection petrol with engine Start/Stop system and brake energy recuperation*	4 cylinder inline turbocharged direct injection petrol with engine Start/Stop system and brake energy recuperation*
Installation	Front transverse	Front transverse	Front transverse
Cubic capacity, litres/cc	1.0/999	1.0/999	2.0/1984
Max power, kW @ rpm	70 @ 5000 - 5500	85 @ 5000 - 5500	147 @ 4390 - 6000
Max torque, Nm @ rpm	175 @ 2000 - 3500	200 @ 2000 - 3500	320 @ 1450 - 4390
Exhaust emission control	Lambda probes before and after catalytic converter	Lambda probes before and after catalytic converter	Lambda probes before and after catalytic converter
Emission level~	EU6	EU6	EU6
Fuel type (Recommended)	Minimum 95 RON	Minimum 95 RON	Minimum 95 RON
Transmission	5 speed Manual	7 Speed DSG	6 Speed DSG
Driven wheels	Front wheel drive	Front wheel drive	Front wheel drive
Performance #			
0 – 100 km/h, seconds	10.8	10.4	6.8
Fuel Consumption **			
Combined, L/100km	5.4	5.4	6.5
Urban, L/100km	6.6	6.2	8.3
Extra Urban, L/100km	4.7	4.9	5.5
CO2 emission g/km~	124	123	150
Fuel tank capacity litres	40	40	40

Volkswagen Polo



Technical Specifications (cont'd)

	Life	Life Style	GTI
Running Gear	1.0 litre TSI	1.0 litre TSI	2.0 litre TSI
Suspension			
Front Axle	Independent suspension, MacPherson struts and coil springs.		
Rear Axle	Torsion beam axle, trailing arms, coil springs. Lowered Sport Select suspension (GTI)		
Steering	Electro-mechanical power assisted rack & pinion steering.		
Turning Circle (m)	10.6	10.6	10.6
Brakes			
Front	Ventilated discs	Ventilated discs	Ventilated discs
Rear	Drums	Discs	Discs
Weights	5 speed Manual	7 Speed DSG	
Tare Mass kg's	1116	1165	1305
Exterior Dimensions			
Overall length mm	4080	4080	4080
Width mm	1751	1751	1751
Height mm	1450	1450	1442
Wheelbase mm	2564	2564	2560
Track mm			
Front	1522	1522	1501
Rear	1505	1505	1484



Technical Specifications (cont'd)

	Life	Life Style	GTI
Luggage Area Dimensions	1.0 litre TSI	1.0 litre TSI	2.0 litre TSI
Luggage area volume L			
Rear seat upright	351	351	305
Rear seat folded	1125	1125	1079
Luggage area floor length mm			
Rear seat upright	706	706	699
Rear seat folded	1380	1380	1432
Luggage area width mm			
At narrowest point	1002	1002	1002

~ Emission level according to European Regulation (EC) No. 715/2007 and Regulation (EC) No. 692/2008, UN ECE R83/06 and later amendments.

*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.



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 Polo 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 Polo 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.

The distance to the vehicle in front can be pre-set in the car menu of the infotainment system and individually varied via the multi-function steering wheel.

The status of the ACC system can be viewed in driver assistance systems menu in the Digital Cockpit.

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 driven wheels from spinning under acceleration by reducing engine torque. It is active at speeds above 40km/h.

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, sportier damping and steering, while the DSG switches to Sport mode. Eco mode has been designed to enhance fuel efficiency 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. EDL is active in forward and reverse and operates up to 40km/h.

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.

Glossary

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 Pedestrian and Cyclist Monitoring functions

The Front Assist ambient traffic monitoring system uses a radar sensor and multi-function camera to detect critical distance situations and thus help to shorten the braking distance, reducing the risk of a rear-end collision.

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.

At vehicle speeds below 30km/h, the system monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, the brakes are first pre-charged and makes the Brake Assist system is made 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, emergency braking is independently applied. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, the system will deactivate and allow the driver to complete the avoidance manoeuvre.

Pedestrian and Cyclist Monitoring is an extension of the Front Assist monitoring system. The system uses a radar sensor in the radiator grille and windscreen mounted multi-function camera 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 Pedestrian and Cyclist 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.

Hill Start Assist

Hill Start Assist (HSA) holds the vehicle when the foot brake is released by temporarily locking the brake pressure (for a maximum of 1.5 seconds) to provide comfortable starting-off without rolling back. Hill Start Assist (HSA) operates on inclines greater than 5% and is fitted in combination with manual transmissions and the Direct Shift Gearbox (DSG).

Glossary

Lane Assist

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

The Lane Assist system monitors the road ahead with the aid of a camera (located near the interior rear-view mirror) which recognises lane markings and evaluates the position of the vehicle at speeds above 60km/h. 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. Additionally, if no active steering movements by the driver are recognised, a message will appear in the Digital Cockpit in conjunction with a warning tone. The corrective steering function can be overridden by the driver at any time and the system does not react if the turn indicator is set before crossing a lane marking.

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

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.



Glossary

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 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.

Side Assist with Rear Traffic Alert^

Side Assist with Rear Traffic Alert system supports the driver in assessing and avoiding dangerous situations, especially in critical situations, e.g. city and heavy traffic. Side Assist detects cars and motorcycles next to and up to 50m to the right and left behind your own vehicle and highlights these vehicles via a LED indicator in the door mirror at speeds above 15km/h. If you indicate to change lanes, the system calculates whether one of them could be dangerous due to position and speed and if deemed necessary will draw attention to this by flashing noticeably. In this instance, Lane Assist can also apply corrective steering to help avoid a collision.

Rear Traffic Alert monitors the traffic crossing behind the vehicle when reversing out of a parking space or manoeuvring. Utilising the Side Assist radar sensors in the rear bumper the system warns the driver of approaching traffic via an audible warning followed by a visual message in the Optical Parking System (OPS) and can also provide braking intervention if necessary to help avoid a collision.

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.



Glossary

Sport Select Suspension^

The Sport Select suspension system features electronically adjustable dampers. When the driver selects Sport mode in the Driving Profile Selection, an electro-mechanical switching valve in the dampers is activated which alters their tuning from a sporty yet comfort oriented standard setting to the firmer characteristic of a true sports suspension. In addition, Sport mode provides the electro-mechanical power steering system with a sportier feel and the accelerator pedal with a faster response. At the same time, the engine note heard inside the vehicle is enhanced due to the sound actuator. Additionally, the transmission changes automatically from D to S (Sport) mode.

Travel Assist*^

Travel Assist is an assistance system for partly automated driving. At the push of a button, Travel Assist can support the driver in monotonous and tiring driving situations commonly encountered on long motorway journeys. This system combines the functions of Adaptive Cruise Control (ACC) and Lane Assist with adaptive lane guidance to accelerate, brake and maintain the vehicles position within its lane. The capacitive steering wheel can detect whether the driver's hands are on the steering wheel in readiness to steer the vehicle and will issue a visual and audible warning when not detected.

Travel 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. Travel 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.

* Available as part of an optional package for specific models

^ Standard equipment for specific models

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