



VOLKSWAGEN GOLF Features and Specifications Model Year 2013	90TSI	90TSI Comfortline	103TSI Highline	110TDI Highline
SAFETY AND SECURITY				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
Airbags				
Driver and front passenger airbags	S	S	S	S
Driver's knee airbag	S	S	S	S
Driver and front passenger side airbags	S	S	S	S
Curtain airbags, front and rear	S	S	S	S
Anti-theft				
Alarm system with interior monitoring and tilt sensor	–	O	O	O
Electronic engine immobiliser	S	S	S	S
Body				
Fully galvanised body with 12 year anti-corrosion perforation warranty	S	S	S	S
Door side impact protection	S	S	S	S
Rigid safety cell with front and rear crumple zones	S	S	S	S
Brakes				
Automatic flashing brake lights activated in emergency braking situation	S	S	S	S
Anti-lock Braking System (ABS)	S	S	S	S
Brake Assist	S	S	S	S
Electronic Brake-pressure Distribution (EBD)	S	S	S	S
Electro-mechanical parking brake	S	S	S	S
Auto hold function	S	S	S	S
Multi-collision brake	S	S	S	S
Entry/warning reflectors in front and rear doors	S	S	S	S
First aid kit	A	A	A	A
Incorrect Fuel Filling Prevention	–	–	–	S
Head restraints				
Front safety optimised head restraints, height adjustable	S	S	S	S
Rear head restraints height adjustable, removable (3)	S	S	S	S
Lighting				
Daytime driving lights, halogen light integrated in headlight housing	S	S	S	S
Front fog lights with static cornering lights, mounted in lower bumper	–	–	S	S
Fog lamp, rear	S	S	S	S
LED rear registration plate light	A	A	A	A
Locking				
Remote central locking with SAFELOCK deadlock mechanism	S	S	S	S
2 stage unlocking (programmable)	S	S	S	S
Automatic locking after take-off (programmable)	S	S	S	S
One touch lock / unlock for driver	S	S	S	S
Child safety locks on rear doors	S	S	S	S
Fuel filler flap lock/unlock by remote, push to open	S	S	S	S
Luggage cover, removable and storable	S	S	S	S
Seat belts				
Front height adjustable with pre-tensioners and belt force limiters	S	S	S	S
Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S	S	S	S
3 point seat belts for all passengers	S	S	S	S
Child seat top tether anchorage points, mounted on rear seat back (3)	S	S	S	S
ISOFIX child seat anchorage points, outer rear seats	S	S	S	S



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SAFETY AND SECURITY CONT'D				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
Traction Control				
Anti-Slip Regulation (ASR)	S	S	S	S
Electronic Differential Lock (EDL)	S	S	S	S
Electronic Stabilisation Program (ESP)	S	S	S	S
Extended Electronic Differential Lock (XDL)	S	S	S	S
EXTERIOR EQUIPMENT / STYLING				
Body enhancements				
Body coloured bumper bars and door handles	S	S	S	S
Body coloured exterior rear view mirrors	S	S	S	S
Exposed exhaust tail pipes	S	S	S	S
Radiator grille highlight in chrome	S	S	S	S
Lower air intake with chrome highlight	–	–	S	S
Rear bumper with black diffuser	S	S	S	S
Rear hatch protective trim in chrome	A	A	A	A
Sports body components – front and rear roof edge spoiler, side and rear skirts	A	A	A	A
Paint				
Metallic / Pearl Effect paint finish	O	O	O	O
Protection				
Bonnet protector	A	A	A	A
Car cover	A	A	A	A
Headlight protectors	A	A	A	A
Loading sill protection, clear film or stainless-steel look	A	A	A	A
Mudflaps, front	A	A	A	A
Mudflaps, rear	A	A	A	A
Slimline weather shields, front and rear	A	A	A	A
Door sill protection film, black with silver highlights	A	A	A	A
Roof				
Roof bars	A	A	A	A
Bicycle, kayak, ski, surfboard and snowboard holders	A	A	A	A
Luggage box, 310L, 340L, 460L capacities	A	A	A	A
Tinted glass				
Darkened rear tail light clusters	–	–	S	S
Heat insulating tinted glass	S	S	S	S
Tow bar				
Tow bar horizontal hitch with 7-pin flat trailer connector and removable tongue	A	A	A	A
Wheels				
Steel wheels with full wheel trims 15x6" with 195/65R15 tyres	S	–	–	–
Alloy wheels (Toronto) 16x6½" with 205/55 R16 tyres	–	S	–	–
Alloy wheels (Dijon) 17x7" with 225/45 R17 tyres	–	–	S	S
Alloy wheels (various designs) 15", 16", 17" and 18"	A	A	A	A
Please consult your Volkswagen Dealer for correct wheel and tyre fitment by model				
Anti-theft wheel bolts	A	S	S	S
Valve caps with Volkswagen emblem	A	A	A	A
Low tyre pressure indicator	S	S	S	S
Weight and space saving spare wheel	S	S	S	S



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COMFORT AND CONVENIENCE				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
Armrest				
Front centre armrest, adjustable with storage box and rear air outlets (2)	S	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, dual zone automatic (3 profiles) climate control	–	S	S	S
Air quality and humidity sensor with automatic air recirculation	–	S	S	S
Dust and pollen filter	S	S	S	S
Cruise control				
Cruise control	S	S	S	S
Speed limiter (programmable)	S	S	S	S
Cup holders				
Front (2)	S	S	S	S
Rear (2)	–	S	S	S
Bottle holders in front door pockets	S	S	S	S
Driver assistance systems				
Driver Fatigue Detection system	S	S	S	S
ECO tip function, fuel efficiency advice	S	S	S	S
Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	–	S	S	S
Optical Parking System (OPS) in radio/navigation display	–	S	S	S
Automatic kerb function when reversing, passenger's side exterior mirror	–	S	S	S
Rear View Camera (RVC) with static guidance lines	–	S	S	S
Floor mats				
Front and rear carpet	–	–	S	S
Front and rear carpet with Golf insignia trim highlight	A	A	A	A
Front and rear rubber with Golf embossing	A	A	A	A
Grab handles				
Soft fold away grab handles, front and rear	S	S	S	S
Headlights				
Coming / leaving home function	–	S	S	S
Combined headlight and fog light switch	S	S	S	S
Halogen twin headlights with daytime driving lights and clear polycarbonate lens	S	S	S	S
Bi-xenon headlights for high and low beam with dynamic cornering lights, integrated LED daytime driving lights, automatic self-levelling, headlight cleaning system, low washer fluid warning and LED rear registration plate light	–	–	O	O
Internal headlight range adjustment	S	S	S	S
Low light sensor with automatic headlight function	–	S	S	S
In car entertainment and technology				
Composition Media audio system 5.8" colour 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 ACC music files, car menu with convenience and service settings, security coded	S	S	–	–
Discover Media audio and satellite navigation system 5.8" 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 and navigation data, 2D and 2.5D (bird's eye) map views, voice control for navigation and radio functions, compatible with MP3, WMA and ACC music files, car menu with convenience and service settings, security coded	–	O	S	S



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COMFORT AND CONVENIENCE (CONT'D)				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
In car entertainment and technology (Cont'd)				
Audio and telephone controls mounted on steering wheel	S	S	S	S
Auxiliary input audio socket in front centre console	S	S	S	S
USB audio socket in front centre console	S	S	S	S
Bluetooth® phone connectivity with phonebook display, operation via touch screen audio unit or MFD Plus and Bluetooth® audio streaming	S	S	S	S
Speakers, front and rear (8)	S	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls	S	S	S	S
Instrumentation				
Speedometer & tachometer, electronic odometer and tripmeter, service interval display, fuel and coolant gauges, low fuel warning light, brake pad wear indicator, white adjustable illumination with red needles	S	S	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S	S	S
Interior highlights				
Decorative inlays, "dark silver" to instrument surround, centre console, passenger's side dashboard and doors	S	–	–	–
Decorative inlays, "dark silver brushed" to instrument surround, centre console, passenger's side dashboard and doors	–	S	–	–
Decorative inlays, "piano black" to instrument surround and centre console, "piano black mesh" to passenger's side dashboard and doors	–	–	S	S
Brushed chrome trim on instrument cluster, vent surrounds and gearshift lever surround	S	S	S	S
Chrome highlight trim on headlight switch and exterior mirror switch	–	S	S	S
Chrome highlight trim on power window switches	–	–	S	S
Door sill scuff plates, stainless steel with Golf insignia	A	A	A	A
Gearshift knob in leather	S	S	S	S
Stainless steel pedal set for manual and DSG	A	A	A	A
Interior lighting				
With time delay	S	S	S	S
Front reading lights (2) and rear passenger reading lights (2), LED (Highline models)	S	S	S	S
LED ambient lighting in driver and front passenger foot well, front door decorative inlays, door openers and handles	–	–	S	S
Luggage compartment				
Cargo organiser with internal dividers	A	A	A	A
Load restraining hooks	S	S	S	S
Luggage compartment light	S	S	S	S
Luggage compartment protection: moulded foam, plastic tray, reversible velour / rubber mat with loading sill protective flap	A	A	A	A
Luggage net	A	A	A	A
Shopping bag hooks	S	S	S	S
Storage box in side lining	–	S	S	S
Variable luggage compartment floor level	S	S	S	S
12 volt socket	–	S	S	S
Mirrors				
Automatic dimming interior rear-view mirror	–	S	S	S
Additional interior rear-view mirror	A	A	A	A
Electrically heated and adjustable exterior mirrors	S	S	S	S
LED turn indicators integrated in exterior mirrors	S	S	S	S



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COMFORT AND CONVENIENCE (CONT'D)				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
Power steering				
Electro-mechanical, vehicle speed and steering input sensitive	S	S	S	S
Seating				
Comfort front seats	–	S	–	–
Sports front seats	–	–	S	S
Height adjustment for front seats	S	S	S	S
Lumbar adjustment for front seats	–	S	S	S
Split folding rear seat backrest (40/60)	S	S	S	S
Rear seat centre armrest with cup holders (2) and load through provision	–	S	S	S
Steering wheel				
3 spoke leather rimmed flat bottomed steering wheel	S	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls	S	S	S	S
Height and reach adjustable steering wheel	S	S	S	S
Storage				
Centre console storage compartment under armrest	S	S	S	S
Glove compartment with cooling, illuminated and lockable	S	S	S	S
Coin tray and 12 volt socket in console	S	S	S	S
Compartment in roof console	S	S	S	S
Drawers under front seats	–	S	S	S
Driver's side dashboard compartment with lid	S	S	S	S
Front door pockets with bottle holders	S	S	S	S
Front seat backrest storage pockets	–	S	S	S
Waste container	A	A	A	A
Sunroof				
Panoramic glass sunroof	–	–	O	O
Electrically slide and tilt adjustable				
Integrated wind deflector and sunblind				
Transmission				
Gearshift recommendation indicator	S	S	S	S
6 speed manual transmission	S	S	–	–
6 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	–	–	–	S
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	O	O	S	–
Trip computer				
Multi-Function Display (MFD Plus) – trip time, trip length, average and current speed, average and current fuel consumption, distance till empty and outside temperature, digital clock, vehicle status, audio, telephone and navigation (Highline models) menus	S	S	S	S
Upholstery				
Cloth seats	S	–	–	–
Comfort cloth seats	–	S	–	–
Sports alcantara/cloth seats	–	–	S	S
Vienna leather appointed seat upholstery	–	–	O	O
Electric lumbar adjustment for front seats				
Individually heated front seats				
Some parts of the leather appointed seat upholstery will contain man made material.				
Vanity mirrors				
Driver's and passenger's side vanity mirrors in sun visor with ticket holder	S	S	S	S
Illuminated on driver's and passenger's side	–	S	S	S



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COMFORT AND CONVENIENCE (CONT'D)				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
Wipers				
2 speed aero wipers with wash/wipe and vehicle speed sensitive intermittent wipe	S	S	S	S
Rain sensor	–	S	S	S
Rear window with wash/wipe and intermittent wipe	S	S	S	S
Windows				
Power front / rear, with roll-back function and one-touch up-down	S	S	S	S
Remote operated convenience close and open feature (programmable)	S	S	S	S
Sunblind for rear window	A	A	A	A
Sunblind for rear side windows	A	A	A	A
12V socket				
Centre console	S	S	S	S
Luggage compartment	–	S	S	S
OPTIONAL PACKAGES				
Driver assistance package	–	O	O	O
Adaptive Cruise Control (ACC) Front Assist with City Emergency Brake (City EB) function Driving profile selection Park Assist 2, parking bay and parallel parking assistance Proactive occupant protection system				



VOLKSWAGEN GOLF Features and Specifications Model Year 2013

TECHNICAL SPECIFICATIONS

Model	90TSI 90TSI Comfortline	103TSI Highline	110TDI Highline
Engine	1.4 litre TSI BlueMotion Technology	1.4 litre TSI BlueMotion Technology	2.0 litre TDI 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*	4 cylinder inline turbocharged direct injection diesel with engine Start/Stop system*
Installation	Front transverse	Front transverse	Front transverse
Cubic capacity, litres/cc	1395	1395	1968
Bore/stroke, mm	74.5/80	74.5/80	81/95.5
Max power, kW @ rpm	90 @5000-6000	103 @4500-6000	110 @3500-4000
Max torque, Nm @ rpm	200 @1400-4000	250 @1500-3500	320 @1750-3000
Compression ratio	10.5:1	10.5:1	16.2:1
Ignition system	Electronic	Electronic	Compression
Exhaust emission control	Exhaust gas recirculation, three way catalytic converter and lambda probes	Exhaust gas recirculation, three way catalytic converter and lambda probes	Exhaust gas recirculation, with oxidising catalytic converter and diesel particulate filter
Emission Level ^	EU 5^	EU 5^	EU 5^
Fuel type (recommended)	Premium unleaded 95 RON minimum	Premium unleaded 95 RON minimum	Diesel 51CZ
Transmission	6 Spd Man 7 Spd DSG	7 Spd DSG	6 Spd DSG
Driven wheels	Front wheel drive	Front wheel drive	Front wheel drive
Performance #			
0 – 100km/h	9.3 9.3	8.4	8.6
Fuel consumption**			
Combined, L/100km	5.7 5.4	5.2	4.9
Urban, L/100km	7.2 6.6	6.3	5.8
Extra Urban, L/100km	4.8 4.7	4.6	4.5
CO ₂ emission g/km	133 126	121	129
Fuel tank capacity, Litres	50 50	50	50

^ Emission level according to European Regulation (EC) No. 715/2007 and Regulation (EC) No. 692/2008.

* 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, the fitment of accessories and vehicle condition can in practice lead to consumption figures which may differ from those calculated with these standards.



VOLKSWAGEN GOLF Features and Specifications Model Year 2013

TECHNICAL SPECIFICATIONS CONT'D

		90TSI 90TSI Comfortline		103TSI Highline	110TDI Highline
Running Gear		1.4 litre TSI BlueMotion Technology		1.4 litre TSI BlueMotion Technology	2.0 litre TDI BlueMotion Technology
Suspension	Front Axle Rear Axle	Independent, MacPherson struts with lower A-arms. Anti-roll bar. 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 Rear	Ventilated discs Discs			
Turning circle (m)		10.9			
Weights		6 Spd Man	7 Spd DSG	7 Spd DSG	6 Spd DSG
Tare Mass Kg's		1209	1233	1265	1326
Towing	Braked*≠	1400	1400	1400	1600
Capacity kg	Unbraked	620	620	620	680
Tow bar load limit		80	80	80	80
Exterior Dimensions					
Overall length mm		4349			
Width mm		1799			
Height mm		1491			
Wheelbase mm		2620			
Track mm	Front Rear	1550 ^ 1522 ^			
Luggage Area Dimensions #					
Luggage area volume L Rear seat upright Rear seat folded		380 1270			
Luggage area floor length mm Rear seat upright Rear seat folded		839 1558			
Luggage area width mm At narrowest point		1003			
Luggage load height mm To luggage cover To roof lining		587 900			

* With trailer brakes up to a gradient of 12%

^ Track figures are based on vehicles fitted with 195/65/R15 tyres

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

≠ Please note, Volkswagen Group Australia does not endorse or will not be held liable for any claim, loss or damage arising from the use or fitment of electronic trailer brakes.



VOLKSWAGEN GOLF Features and Specifications Model Year 2013	Pure White	Reflex Silver M	Tungsten Silver M	Limestone Grey M	Night Blue M	Pacific Blue M	Sunset Red M	Deep Black PE
COLOUR COMBINATIONS			EXTERIOR COLOUR					
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available								
INTERIOR TRIM								
90TSI								
Black cloth seat upholstery	S	S	S	S	S	S	S	S
90TSI Comfortline								
Black comfort cloth seat upholstery	S	S	S	S	S	S	S	S
103TSI Highline 110TDI Highline								
Black sports alcantara/cloth seat upholstery	S	S	S	S	S	S	S	S
Black Vienna leather appointed seat upholstery	O	O	O	O	O	O	O	O
Shetland Vienna leather appointed seat upholstery	O	O	O	O	O	O	O	O
Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.								
GLOSSARY								
Adaptive Cruise Control (ACC)*								
<p>Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on a radar sensor. When ACC is activated, the vehicle automatically brakes and accelerates in a speed range set by the driver.</p> <p>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.</p> <p>Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates in vehicles equipped with a DSG transmission. ACC can be reactivated automatically by depressing the accelerator pedal. In vehicles fitted with a manual transmission, the system is automatically deactivated at speeds below 30 km/h and the driver is prompted to take charge by visual and acoustic signals.</p> <p>The dynamics of the ACC system can be individually varied by selecting one of the driving programs from the driver profile selector also available as part of the driver assistance package.</p> <p>Adaptive Cruise Control (ACC) cannot replace the driver's assertiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain.</p>								
Anti-lock Braking System (ABS)								
<p>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.</p>								
Anti-Slip Regulation (ASR)								
<p>ASR is a traction control system that prevents the wheels from spinning under acceleration by reducing engine torque.</p>								
Auto Hold function								
<p>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.</p>								



VOLKSWAGEN GOLF Features and Specifications Model Year 2013

GLOSSARY (CONT'D)

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 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.

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 (MFD Plus) 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 assertiveness. 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.

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 prevents spinning off on a curve due to either understeer or oversteer.

Extended Electronic Differential Lock (XDL)

XDL is an extension of the Electronic Differential Lock (EDL) function. When cornering, XDL responds to the load relief at the front wheel on the inside of a corner. The ESP hydraulics are used for the XDL to apply pressure to the wheel on the inside of the corner in order to prevent wheel spin. This improves traction and reduces the tendency to understeer. As a direct result of the one-sided and precise braking pressure, cornering is sportier and more accurate.



VOLKSWAGEN GOLF Features and Specifications Model Year 2013

GLOSSARY (CONT'D)

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 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.

Front Assist with City Emergency Brake (City EB) cannot replace the driver's assertiveness. 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.

Park Assist 2*

Park Assist 2 actively helps the driver when reversing into 90o 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 reverse 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.

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*Optional equipment for specific models