

VOLKSWAGEN PASSAT Specifications / APRIL 2011	118TSI Sedan & Wagon	125TDI Highline Sedan & Wagon	V6 FSI Highline Sedan & Wagon
<b>SAFETY AND SECURITY</b>			
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available			
<b>Airbags</b>			
Driver and front passenger airbags	S	S	S
Driver and front passenger side airbags	S	S	S
Outer rear seat passenger side airbags	S	S	S
Curtain airbags, front and rear	S	S	S
<b>Anti-theft</b>			
Alarm system with interior monitoring and tilt sensor	O	O	S
Electronic engine immobiliser	S	S	S
Electronic ignition lock	S	S	S
<b>Body</b>			
Fully galvanised with 12 year anti-corrosion perforation warranty	S	S	S
Door side impact protection	S	S	S
Rigid safety cell with front and rear crumple zones	S	S	S
<b>Brakes</b>			
Anti-lock Braking System (ABS)	S	S	S
Electronic Brake-pressure Distribution (EBD)	S	S	S
Brake Assist	S	S	S
Electro-mechanical parking brake	S	S	S
Auto hold function	S	S	S
<b>Child restraint</b>			
Child seat anchor points (3)	S	S	S
<b>Lighting</b>			
Daytime driving lights	S	S	S
Front fog lights with static cornering lights, mounted in lower bumper	–	S	S
Rear fog lamp	S	S	S
<b>Head restraints</b>			
Front safety optimised head restraints, longitudinally and height adjustable	S	S	S
Rear head restraints height adjustable (3)	S	S	S
<b>Locking</b>			
Remote central locking with deadlock mechanism	S	S	S
2 stage unlocking (programmable)	S	S	S
Automatic locking after takeoff (programmable)	S	S	S
One touch lock / unlock for driver	S	S	S
Child safety locks on rear doors	S	S	S
<b>Seat belts</b>			
Front height adjustable with pre-tensioners and belt force limiters	S	S	S
Outer rear seat belt pre-tensioners	S	S	S
Visual and acoustic warning for driver and front seat passenger seat belts not fastened	S	S	S
Visual indicator for rear seat passenger seat belt status	S	S	S
3 point seat belts for all passengers	S	S	S
<b>Traction control</b>			
Electronic Differential Lock (EDL)	S	S	S
Anti-Slip Regulation (ASR)	S	S	S
Electronic Stabilisation Program (ESP)	S	S	S
4MOTION all wheel drive	–	–	S

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<b>EXTERIOR EQUIPMENT AND STYLING</b>			
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available			
<b>Body enhancements</b>			
Body coloured bumper bars, door handles and exterior mirrors	S	S	S
Chrome radiator grille highlights	S	S	S
Chrome trim around side window frames	S	S	S
Chrome lower body side and front and rear bumper mouldings	S	S	S
Dual exposed exhaust tail pipes, left	S	S	–
Dual exposed exhaust tail pipes, left and right	–	–	S
Front bumper lower outer air intakes with chrome highlights	S	S	S
Front bumper lower air intakes with gloss black and centre chrome highlight	–	S	S
Rear boot lid chrome strip (Sedan)	S	S	S
<b>Paint</b>			
Metallic or Pearl Effect paint finish	O	O	O
<b>Protection</b>			
Bonnet protector	A	A	A
Headlight protectors	A	A	A
Loading sill protection, clear or stainless-steel	A	A	A
Mudflaps, front and rear	A	A	A
Slimline weather shields	A	A	A
<b>Roof</b>			
Roof rails, chrome (Wagon)	S	S	S
Roof bars	A	A	A
Bicycle, ski, surfboard, snowboard and kayak holders	A	A	A
Luggage rack	A	A	A
Ski and luggage box	A	A	A
<b>Tinted glass</b>			
Heat insulating tinted glass	S	S	S
<b>Towbar</b>			
Tow bar, vertical hitch with 7-pin flat trailer connector and removable tongue	A	A	A
<b>Wheels</b>			
Alloy wheels (Sao Paulo) 17 x 7½" with 235/45 R17 mobility tyres	S	–	–
Alloy wheels (Michigan) 17 x 7½" with 235/45 R17 mobility tyres	–	S	–
Alloy wheels (Kansas) 18 x 8" with 235/40 R18 mobility tyres	–	–	S
Alloy wheels (various designs) 17" and 18"	A	A	A
Please consult your Volkswagen Dealer for correct wheel and tyre fitment by model			
Anti-theft wheel bolts	S	S	S
Full size alloy spare wheel	S	S	S
Low tyre pressure indicator	S	S	S

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<b>COMFORT AND CONVENIENCE</b>			
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available			
<b>Armrest</b>			
Front centre armrest with storage box and 2 rear air outlets	S	S	S
Rear seat centre armrest with cup holders and load through provision	S	S	S
<b>Air conditioning</b>			
Dual zone automatic (2 modes) climate control with indirect ventilation mode	S	S	S
Air quality sensor with automatic air recirculation	S	S	S
Climate control 'pop ups' in audio display	S	S	S
Dust and pollen filter	S	S	S
<b>Cruise control</b>	S	S	S
<b>Cup holders</b>			
Front (2) with cover	S	S	S
Rear (2) in rear centre armrest	S	S	S
Bottle holders in front door pockets	S	S	S
<b>Driver assistance systems</b>			
Adaptive chassis control	O	O	S
Adaptive Cruise Control (ACC) with Front Assist and City Emergency Brake (City EB) function	O	O	O
Driver fatigue detection system	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 display	S	S	S
Park Assist 2, parking assistance and Rear View Camera (RVC Plus) with dynamic guidance lines RVC Plus is also included with optional RNS510 satellite navigation for all models.	O	O	O
<b>Entry/warning reflectors in front and rear doors</b>	S	S	S
<b>Floor mats</b>			
Front and rear, carpet	S	S	S
Front and rear, rubber	A	A	A
<b>Fuel filler flap</b>			
Electrically operated via switch on drivers door	S	S	S
<b>Grab handles</b>			
Soft fold away grab handles (4)	S	S	S
<b>Headlights</b>			
Halogen headlights with clear polycarbonate lens	S	S	S
Combined headlight and fog light switch	S	S	S
Coming / leaving home function	S	S	S
Daytime driving lights	S	S	S
Headlight-on warning buzzer	S	S	S
Internal headlight range adjustment	S	S	S
Low light sensor with automatic headlight function	S	S	S
<b>In car entertainment and technology</b>			
AM/FM security coded radio (RCD510) with 6½" touch screen display, MP3 compatible SD card slot and 6 disc CD changer, in dash	S	S	S
Audio functions mounted on steering wheel	S	S	S
Auxiliary input socket for external audio source in front centre console	S	S	S

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<b>COMFORT AND CONVENIENCE (CONT'D)</b>			
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available			
<b>In car entertainment and technology (Cont'd)</b>			
Bluetooth® phone connectivity with phonebook display, operation via touch screen audio unit or MFD Plus and Bluetooth® audio streaming	S	S	S
Dynaudio Confidence 600W premium audio system, 10 channel digital amplifier and 10 speakers Dynaudio is combined with either the RCD510 radio or RNS510 satellite navigation system.	O	O	O
Media Device Interface (MDI) – compatible with iPod®, USB and mini USB Fitted in the glove compartment and supplied with USB connection cable.	S	S	S
Volkswagen Genuine Accessory iPod® and mini USB connection cables sold separately.			
Satellite navigation system (RNS510) High-resolution touch screen display in 16:9 format, 2D, topographical and 3D (bird's eye) map views, voice control for navigation and radio functions, integrated 30 GB hard drive for storing music and navigation data, SD card slot and single DVD drive for the playback of audio CD/MP3	O	O	O
Rear View Camera (RVC Plus) with dynamic guidance lines Speakers, front and rear (8)	S	S	S
<b>Instrumentation</b>			
Speedometer & tachometer, electronic odometer and tripmeter, digital clock, fuel & coolant gauges, outside temperature display, transmission gear indicator and white adjustable illumination	S	S	S
<b>Interior highlights</b>			
'Iridium' decorative inserts in dashboard, centre console and doors	S	–	–
Brushed aluminium decorative inserts in dashboard, centre console and doors	–	S	S
Walnut ornamental wood insert in dashboard combined with brushed aluminium insert in centre console and doors	–	O	O
Analogue clock in dashboard, centre	S	S	S
Chrome highlight trim to air vent surrounds and rotary light switch	S	S	S
Chrome highlights to mirror adjustment and power window switches	–	S	S
Door sill scuff plates with stainless-steel inserts and Passat nameplate	–	S	S
Leather covered steering wheel and gearshift knob	S	S	S
Matte chrome trim on instrument cluster and gearshift lever surround	S	S	S
Stainless-steel sports pedal set	A	A	A
<b>Interior lighting</b>			
With time delay, front and rear	S	S	S
Reading lights, front and rear with chrome rings	S	S	S
<b>Luggage compartment</b>			
Automatic boot lid release (Sedan)	S	S	S
Automatic opening and closing of the tailgate via remote or button on tailgate (Wagon)	O	O	O
Load restraining hooks	S	S	S
Luggage compartment light	S	S	S
Luggage compartment protection: moulded foam and plastic	A	A	A
Luggage net	A	A	A
Extendable net partition, rear seat backrest to roof lining (Wagon)	S	S	S
Extendable luggage cover with automatic (2 stage) opening (Wagon)	S	S	S
Shopping bag hooks	S	S	S
Storage boxes in side lining	S	S	S
12 volt socket	S	S	S

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<b>COMFORT AND CONVENIENCE (CONT'D)</b>			
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available			
<b>Mirrors</b>			
Automatic dimming interior rear-view mirror	S	S	S
Electrically heated and adjustable exterior mirrors, automatically dimming on driver's side with environment lighting	S	S	S
Exterior mirrors with memory function and electrically foldable	–	–	S
Turn indicators with LED technology integrated in exterior mirrors	S	S	S
<b>Power steering</b>			
Electro-mechanical, vehicle speed and steering input sensitive	S	S	S
<b>Seating</b>			
Comfort front seats	S	S	S
Front seat height manually adjustable	S	S	–
Individually heated front seats	S	S	S
Driver's seat with electric adjustment for backrest and 4-way lumbar	S	S	–
Front seats with 12-way electric adjustment including 4-way lumbar, driver's seat with 3 position memory	O	O	S
Electrically foldable and memory function for exterior mirrors are included with this option			
Child booster seats integrated into outer rear seats with lateral cushion support and removable lateral head restraint	–	O	O
Not available with Desert beige leather upholstery			
Split folding (60/40) rear seat backrest with remote release (Sedan)	S	S	S
Split and flat folding (60/40) rear seat base and backrest with remote release (Wagon)	S	S	S
Rear seat centre armrest and load through provision	S	S	S
<b>Steering wheel</b>			
3 spoke leather rimmed steering wheel	S	S	S
Audio, telephone and Multi-Function Display (MFD Plus) controls	S	S	S
Height and reach adjustable steering wheel	S	S	S
<b>Storage</b>			
Centre console storage compartment	S	S	S
Chillable and lockable glove box with illumination	S	S	S
Coin tray and 12 volt socket in console	S	S	S
Driver's side dashboard compartment with lid	S	S	S
Door pockets, front and rear	S	S	S
Front seat backrest storage pockets	S	S	S
Rear centre armrest with storage and 2 cup holders	S	S	S
Compartment with lid in roof console	S	S	S
<b>Sunroof</b>			
Glass sunroof, electrically slide and tilt adjustable with sunblind (Sedan)	O	O	O
Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector (Wagon)	O	O	O
<b>Trip computer</b>			
Multi-Function Display (MFD Plus) – driving time, trip length, average and digital speed, average and current fuel consumption, distance till empty, speed warning function, vehicle status, audio and convenience displays	S	S	S
<b>Upholstery</b>			
Vienna leather appointed seat upholstery	S	–	–
Nappa leather appointed seat upholstery	–	S	S
Some parts of the leather appointed seat upholstery will contain man made material.			

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<b>COMFORT AND CONVENIENCE (CONT'D)</b>				
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available				
<b>Vanity mirrors</b>				
Driver's and passenger's side vanity mirrors	S	S	S	S
Illuminated on driver's and passenger's side	S	S	S	S
<b>Wipers</b>				
2 speed aero wipers with wash/wipe and vehicle speed sensitive intermittent wipe	S	S	S	S
Heated washer jets	S	S	S	S
Rain sensor	S	S	S	S
Rear window with wash/wipe and intermittent wipe (Wagon)	S	S	S	S
<b>Windows</b>				
Power front / rear, with roll-back function, one-touch up-down	S	S	S	S
Remote operated convenience close and open feature	S	S	S	S
Sunblind for rear windows (Sedan)	A	A	A	A
<b>12V socket</b>				
Centre console	S	S	S	S
Rear seat area	S	S	S	S
Luggage compartment	S	S	S	S
<b>OPTIONAL PACKAGE</b>				
<b>Driver Assistance and Visibility package</b>				
Bi-xenon headlights for high and low beam with dynamic cornering lights, automatic self-levelling and headlight cleaning system Lane Assist, lane departure warning system LED daytime driving lights in headlight housing LED rear tail lights Front fog lights with static cornering lights in lower bumper (118TSI) The optional Driver Assistance and Visibility Package is an upgrade to and therefore replaces the standard fitment of the driver Fatigue Detection system.	O	O	O	O

## VOLKSWAGEN PASSAT Specifications / APRIL 2011

### TECHNICAL SPECIFICATIONS

	<b>118TSI Sedan &amp; Wagon</b>	<b>125TDI Highline Sedan &amp; Wagon</b>	<b>V6 FSI Highline Sedan &amp; Wagon</b>
<b>Engine</b>	<b>1.8 litre TSI</b>	<b>2.0 litre TDI BlueMotion Technology</b>	<b>3.6 litre V6 FSI</b>
Type	4 cylinder inline turbo petrol	4 cylinder inline turbo diesel with engine Start/Stop system*	6 cylinder 'V' petrol
Installation	Front transverse	Front transverse	Front transverse
Cubic capacity, litres/cc	1.8 / 1798	2.0 / 1968	3.6 / 3597
Bore/stroke, mm	82.5 / 84.2	81.0 / 95.5	89.0 / 96.4
Max power, kW @ rpm	118 @ 4500 - 6200	125 @ 4200	220 @ 6600
Max torque, Nm @ rpm	250 @ 1500 - 4500	350 @ 1750 - 2500	350 @ 2400 - 5300
Compression ratio	9.8:1	16:1	11.4:1
Fuel system	Bosch Motronic direct injection system	Bosch with common rail injection	Bosch Motronic direct injection system
Ignition system	Electronic	Compression	Electronic
Exhaust emission control	Two three-way catalytic converters with Lambda control; Exhaust gas recirculation	Exhaust gas recirculation with oxidising catalytic converter and diesel particulate filter	Three-way catalyst with lambda control; Exhaust gas recirculation
Emission Level <sup>^</sup>	Euro 5	Euro 5	Euro 5
Fuel type (recommended)	Premium unleaded 95 RON minimum	Diesel 51CZ	Premium unleaded 95 RON minimum
Fuel tank capacity, litres	70	70	70
<b>Transmission</b>	<b>7 Speed DSG</b>	<b>6 Speed DSG</b>	<b>6 Speed DSG</b>
Driven wheels	Front wheel drive	Front wheel drive	4MOTION all wheel drive
<b>Performance #</b>			
0 – 100km/h, seconds	8.5 (Sedan) 8.7 (Wagon)	8.6 (Sedan) 8.8 (Wagon)	5.5 (Sedan) 5.7 (Wagon)
<b>Fuel consumption**</b>			
Combined, L / 100km	7.2 (Sedan) 7.5 (Wagon)	5.7 (Sedan) 5.7 (Wagon)	9.7 (Sedan) 9.5 (Wagon)
Urban, L/100km	9.7 (Sedan) 10.2 (Wagon)	6.7 (Sedan) 6.7 (Wagon)	12.8 (Sedan) 12.6 (Wagon)
Extra Urban, L/100km	5.7 (Sedan) 6.0 (Wagon)	5.0 (Sedan) 5.0 (Wagon)	7.8 (Sedan) 7.6 (Wagon)
CO <sub>2</sub> emission g/km	168 (Sedan) 176 (Wagon)	151 (Sedan) 151 (Wagon)	227 (Sedan) 222 (Wagon)

<sup>^</sup> 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 CO<sub>2</sub> 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 and vehicle condition can in practice lead to consumption figures which may differ from those calculated with these standards.

## VOLKSWAGEN PASSAT Specifications / APRIL 2011

### TECHNICAL SPECIFICATIONS CONT'D

		118TSI Sedan & Wagon	125TDI Highline Sedan & Wagon	V6 FSI Highline Sedan & Wagon
<b>Running Gear</b>		<b>1.8 litre TSI</b>	<b>2.0 litre TDI BlueMotion Technology</b>	<b>3.6 litre V6 FSI</b>
Suspension	Front axle Rear axle	Independent, MacPherson struts with lower wishbones and coil springs. 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 (Ventilated Discs V6 FSI Highline)		
Turning circle, metres		11.4		
<b>Weights</b>				
Tare Mass Kg		1482	1554	1679 (1738)
Towing capacity kg	Braked Unbraked	1500 750	1500 750	1500 750
Towbar load limit kg		85	85	85
<b>Exterior Dimensions<sup>^</sup></b>				
Overall length mm		4769 (4771)	4769 (4771)	4769 (4771)
Width mm		1820	1820	1820
Height mm		1490 (1536)	1490 (1536)	1490 (1536)
Wheelbase mm		2711	2711	2711
Track mm	Front Rear	1552 1551	1552 1551	1552 1551
<b>Luggage Area Dimensions<sup>^</sup>#</b>				
Volume (Rear seat upright) L (Rear seat folded) L		565 (603) (1731)	565 (603) (1731)	541 (588) (1716)
Floor length (Rear seat upright) mm (Rear seat folded) mm		1164 (1133) 1958 (1941)	1164 (1133) 1958 (1941)	1164 (1133) 1958 (1941)
Maximum width mm		1014 (1014)	1014 (1014)	1014 (1014)
Height mm		409 (480)	409 (480)	409 (480)
Height up to headlining mm		(831)	(831)	(831)
Luggage Area Opening (Height) mm (Width) mm		537 (719) 891 (1014)	537 (719) 891 (1014)	537 (719) 891 (1014)

<sup>^</sup> (Wagon figures in brackets)

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



VOLKSWAGEN PASSAT Specifications / APRIL 2011		Candy White	Reflex Silver M	Night Blue M	Cashmere Brown M	Deep Black PE	Icelandic Grey PE	Mocca Anthracite PE
<b>COLOUR COMBINATIONS</b>		<b>EXTERIOR COLOUR</b>						
S = Standard O = Optional Extra A = Volkswagen Genuine Accessory (Dealer fitted) – Not Available								
<b>Please note:</b> Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.								
<b>INTERIOR TRIM</b>								
<b>118TSI</b>								
Black Vienna leather appointed seat upholstery		S	S	S	S	S	S	S
Desert Beige Vienna leather appointed seat upholstery		S	S	S	S	S	S	S
<b>125TDI Highline V6 FSI Highline</b>								
Black Nappa leather appointed seat upholstery		S	S	S	S	S	S	S
Desert Beige Nappa leather appointed seat upholstery		S	S	S	S	S	S	S
<b>GLOSSARY</b>								
<b>4MOTION</b>								
An all-wheel-drive system that provides the best possible traction at all road speeds, in all weather and road conditions. An electronic Haldex clutch responds to traction losses at the front and rear axles and directs torque to the axle with the best traction.								
<b>Adaptive Chassis Control*</b>								
The electrically controlled dampers of adaptive chassis control constantly adjust to the road conditions, the driving situation and driver's requirements. Using a button located on the centre console, the driver selects between three damper settings – NORMAL, COMFORT and SPORT.								
Starting from the normal setting, the customer can change the basic character of the car towards sporty or more comfort-oriented driving. In SPORT and COMFORT settings, the corresponding name is illuminated in the button. In NORMAL setting, only the shock absorber symbol is illuminated. In all settings, the adaptive chassis control adjusts the damping to the particular driving situation (up till one thousand times per second) which means it offers an optimum level of driving comfort and enjoyment at all times. In addition, in the SPORT setting the steering feel is also adapted. Particularly on windy roads and poor surfaces, using adaptive chassis control offers sporty and yet comfortable driving.								
<b>Adaptive Cruise Control (ACC)*</b>								
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.								
If the Passat approaches a slower vehicle, the ACC brakes the car to the same speed and maintains the pre-selected distance. Even when a vehicle pulls into the same lane in front of you or slows, your vehicle is automatically decelerated to the pre-selected distance. If the vehicle ahead moves out of your lane, the Passat then accelerates up to the preset desired speed.								
Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates. ACC can be reactivated automatically by tapping the accelerator pedal.								
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.								
<b>Anti-lock Braking System (ABS)</b>								
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.								

## VOLKSWAGEN PASSAT Specifications / APRIL 2011

### GLOSSARY (CONT'D)

#### Anti-Slip Regulation (ASR)

ASR improves driving and steering characteristics by preventing the driven wheels from spinning under acceleration. When a difference in driving wheel speed is detected (i.e. when one wheel starts to spin due to differences in road surfaces, e.g. due to water or dirt) the system automatically reduces engine torque. ASR is a switchable traction control system.

#### Auto Hold function

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

#### Brake Assist

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

#### Direct Shift Gearbox (DSG)

DSG is a manual gearbox in which the gearshifts are controlled electronically. What makes the DSG unique is that it has 2 separate gear sets operated by 2 wet multi-plate clutches. The benefit of 2 gear sets and 2 multi-plate clutches is that one gear set and clutch is engaged driving the vehicle with the second 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.

#### 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 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.

#### 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.

#### 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.

If the situation escalates, the City EB function provides automatic braking and/or boosting of the driver's braking force up to maximum braking.

## VOLKSWAGEN PASSAT Specifications / APRIL 2011

### GLOSSARY (CONT'D)

#### Front Assist with City Emergency Brake (City EB) function\* (Cont'd)

Front Assist with 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.

\*Optional equipment

#### 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 (MFD Plus) 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 assertiveness. 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.

#### Park Assist 2\*

Park Assist 2 actively helps the driver when 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 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.

\*Optional equipment

#### Volkswagen New Vehicle Warranty

Every new Volkswagen Passat is covered by a 3-year (unlimited kilometre) manufacturer's warranty, which includes Volkswagen Assist (24hr roadside assistance). Every new Volkswagen passenger vehicle is also covered by a 3-year paintwork and 12-year anti-corrosion perforation warranty.

#### Volkswagen Assist – 24 hour roadside assistance

As a valued customer, you can be assured that wherever you travel within Australia, you will have access to roadside assistance, 24 hours a day, 365 days a year. This is complimentary for the duration of the vehicle's original Volkswagen warranty period. You will receive help in the event of a breakdown or accident and if required, your vehicle will be mobilised or transported to an Authorised Volkswagen Repair Centre.

## VOLKSWAGEN PASSAT Specifications / APRIL 2011

### GLOSSARY (CONT'D)

#### **Volkswagen Assist – 24 hour roadside assistance (Cont'd)**

As a Volkswagen owner you will also have access to the additional benefits of accommodation and car rental if your vehicle cannot be mobilised within 24 hours, when you are over 100kms away from home. Volkswagen Roadside Assist can also be renewed at the expiry of the original warranty, ensuring ongoing coverage for your vehicle.

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