



Das Auto.

Tiguan

Specifications



Features and Specifications

Safety and Security	118TSI	132TSI	130TDI	155TSI R-Line
Airbags				
Driver and front passenger airbags	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				
Electronic engine immobiliser	S	S	S	S
Body				
Fully galvanised 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
Auto Hold function	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
Child restraints				
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
First aid kit	A	A	A	A
Head restraints				
Front safety optimised head restraints, height adjustable	S	S	S	S
Longitudinal adjustable head restraints-	—	O	O	S
Rear head restraints height adjustable and removable (3)	S	S	S	S
-Available as part of the Leather upholstery package as an option				
Lighting				
Daytime driving lights	S	S	S	S
Front fog lights with static cornering lights, mounted in lower bumper	—	S	S	S
Rear fog lamp	S	S	S	S

Safety and Security (continued)

Locking

Remote central locking
2 stage unlocking (programmable)
Automatic locking after takeoff (programmable)
One touch lock / unlock for driver
Child safety locks on rear doors

Seat belts

Front height adjustable with pre-tensioners and belt force limiters
Visual and acoustic warning for driver and front seat passenger seat belts not fastened
3 point seat belts for all passengers

Traction control

Anti-Slip Regulation (ASR)
Electronic Differential Lock (EDL)
Electronic Stabilisation Program (ESP) with active rollover protection function
Extended Electronic Differential Lock (XDL)
Engine Braking Control (EBC)
4MOTION all wheel drive

118TSI	132TSI	130TDI	155TSI R-Line
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
S	S	S	S
—	S	S	S

Exterior Equipment / Styling

Body enhancements

Body coloured bumper bars, door handles and exterior mirrors
Black grain effect protective trim on lower front and rear bumpers, side sills and wheel arches
Chrome lower tailgate trim
Chrome lower body side mouldings
Chrome radiator grille
Chrome trim around window frames
Lower air intake with chrome highlight
R-Line exterior body styling, front and rear bumpers, side sills and rear roof spoiler-
R-Line exterior badging on front grille-
Widened side sill extensions-
Door handle covers in polished stainless steel, set of 4
-Available as part of the R-Line package as an option

Protection

Bonnet protector
Headlight protectors
Mudflaps, front and rear
Slimline weather shields, set of four

S	S	S	S
S	S	S	S
A	A	A	A
—	S	S	S
S	S	S	S
—	S	S	S
—	S	S	S
—	O	O	S
—	O	O	S
—	O	O	S
A	A	A	A
A	A	A	A
A	A	A	A
A	A	A	—
A	A	A	A

Exterior Equipment / Styling (continued)	118TSI	132TSI	130TDI	155TSI R-Line
Roof				
Roof rails, Black	S	—	—	—
Roof rails, Chrome	—	S	S	S
Roof cross bars	A	A	A	A
Bicycle, ski, surfboard, snowboard and kayak holders	A	A	A	A
Roof Box Range – 340 and 460 litre volume	A	A	A	A
Urban loader box – 300 to 500 litre volume expandable	A	A	A	A
Tow bar				
Tow bar, vertical hitch with removable tongue, ball and wiring with 7 pin flat trailer connector Not applicable on models fitted with optional R-Line Package	A	A	A	—
Turn indicators integrated in exterior mirrors with LED technology	S	S	S	S
Window glass				
Heat insulating tinted glass	S	S	S	S
Dark tinted rear side windows and rear window, 65% light absorbing	—	S	S	S
Sunblind for rear side windows	A	A	A	A
Sunblind for rear window	A	A	A	A
Wheels				
Alloy wheels (Portland) 16 x 6½" with 215/65 R16 tyres	S	—	—	—
Alloy wheels (Philadelphia) 17 x 7" with 235/55 R17 tyres	—	S	S	—
Alloy wheels (Mallory) 18 x 8" with 235/50 R18 tyres (4)~	—	O	O	S
Alloy wheels (various designs) 16" and 18" Please consult your Volkswagen Dealer for correct wheel and tyre fitment by model	A	A	A	—
Anti-theft wheel bolts	S	S	S	S
Weight and space saving spare wheel	S	S	S	S
Low tyre pressure indicator	—	S	S	S
~Available as part of the R-Line package as an option				

Comfort and Convenience

Air conditioning				
Air conditioning, manual control	S	—	—	—
Air conditioning, dual zone automatic climate control	—	S	S	S
Air quality sensor with automatic air recirculation	—	S	S	S
Dust and pollen filter	S	S	S	S
Armrest				
Front height and longitudinally adjustable centre armrest with storage box, rear air outlets (2) and rear cup holders (2)	S	S	S	S
Rear seat centre armrest with cup holders (2) and load through provision	S	S	S	S
Cruise control	S	S	S	S

Comfort and Convenience (continued)	118TSI	132TSI	130TDI	155TSI R-Line
Cup holders				
Front (2) with cover	S	S	S	S
Rear (2) in centre console	S	S	S	S
Rear (2) in rear centre armrest	S	S	S	S
Rear (2) in folding tables on front seat backrests	—	S	S	S
1 litre bottle holders in front door pockets	S	S	S	S
Driver assistance systems				
Adaptive chassis control	—	—	—	S
Driver Fatigue detection system	S	S	S	S
Parking distance sensors, rear with acoustic warning and audio volume level reduction when sensor warning is activated	S	S	S	S
Optical Parking System (OPS) in radio / navigation display	S	S	S	S
Rear View Camera (RVC Plus) with dynamic guidance lines	S	S	S	S
Entry/warning reflectors in front and rear doors	S	S	S	S
Floor mats				
Carpet mats with embroidered Tiguan logo, front and rear	A	A	A	A
Rubber mats with embossed Tiguan logo, front and rear	A	A	A	A
Grab handles				
Soft fold away grab handles (4)	S	S	S	S
Headlights				
Daytime driving lights	S	S	S	S
Internal headlight range adjustment	S	S	S	S
Low light sensor with automatic headlight function	—	S	S	S
Coming / leaving home function	—	S	S	S
Combined headlight and fog light switch	S	S	S	S
In car entertainment and technology				
Composition Media audio system 6.5" 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 AAC music files, jpeg image viewer, car menu with convenience and service settings, security coded Audio controls mounted on steering wheel	S	S	S	—
Discover Media audio and satellite navigation system 6.5" colour touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and 2 x SD card slot slots for music and navigation data, 2D and 3D (bird's eye) map views, compatible with MP3, WMA and AAC music files, jpeg image viewer, car menu with convenience and service settings, security coded	—	O	O	S
App-Connect USB interface for Apple CarPlay®, Android Auto™ and MirrorLink® in front centre console	S	S	S	S
Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	S	S	S	S
Auxiliary input socket for external audio source in front centre console	S	S	S	S
Bluetooth® phone connectivity with contacts display, operation via touch screen audio unit or Multi-Function Display (MFD Plus) and Bluetooth® audio streaming	S	S	S	S
Speakers, front and rear (8)	S	S	S	S
USB charge cables, adaptor cables supporting connection to Apple Lightning®, Apple® 30 pin and mini USB	A	A	A	A

Comfort and Convenience (continued)	118TSI	132TSI	130TDI	155TSI R-Line
Instrumentation				
Speedometer & tachometer, electronic odometer and tripmeter, service interval display, digital clock, outside temperature display fuel & coolant gauges, low fuel and washer fluid warning lights, transmission gear indicator and white adjustable illumination	S	S	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S	S	S
Interior highlights				
Anthracite Metallic trim inserts in dashboard	S	S	S	S
Silver Metallic decorative trim in door panels	—	S	S	S
Chrome trim on instrument cluster, steering wheel, headlight switch and gearshift lever surround	S	S	S	S
Chrome highlight trim on reading light surround	—	S	S	S
Chrome highlights on mirror adjustment and power window switches	—	S	S	S
Leather covered steering wheel and gearshift selector	S	S	S	S
Aluminium finish front door scuff plates with R-Line insignia~	—	O	O	S
Stainless steel scuff plates with Tiguan logo, front and rear door sills	A	A	A	—
Door sill protection film, Black with silver highlights	A	A	A	—
~Available as part of the R-Line package as an option				
Interior lighting				
Ambience illumination and indirect dashboard lighting	—	S	S	S
Foot well illumination, driver and front passenger	—	S	S	S
Front driver and passenger reading lights	S	S	S	S
Interior lighting front and rear with time delay	S	S	S	S
Luggage compartment				
Luggage compartment hard cover, removable	S	S	S	S
Luggage compartment hard floor, removable	S	S	S	S
Luggage compartment light	S	S	S	S
Luggage compartment protection – moulded foam inlay, rubber mat, plastic tub, reversible mat with moulded anti slip nubs	A	A	A	A
Luggage net	A	A	A	A
Load restraining hooks	S	S	S	S
Shopping bag hooks, chrome	—	S	S	S
Storage trays under luggage compartment floor	S	S	S	S
12 volt socket	S	S	S	S
Mirrors				
Automatic dimming interior rear-view mirror	—	S	S	S
Electrically heated and adjustable exterior mirrors	S	S	S	S
Turn indicators with LED technology integrated in exterior mirrors	S	S	S	S
Additional interior rear-view mirror	A	A	A	A
Paint				
Metallic or Pearl Effect paint finish	O	O	O	O

Comfort and Convenience (continued)	118TSI	132TSI	130TDI	155TSI R-Line
Power steering				
Electro-mechanical, vehicle speed and steering input sensitive	S	S	S	S
Seating				
Comfort sports front seats	—	S	S	S
Foldable front passenger seat backrest, serving as a table and load through provision	—	S	S	S
Folding tables on front seat backrests	—	S	S	S
Height adjustment for front seats	S	S	S	S
Lumbar adjustment for front seats	S	S	S	S
Individually heated front comfort sports seats with longitudinal adjustable head restraints-	—	O	O	S
Electrically adjustable driver's seat-	—	O	O	S
Electrically adjustable lumbar support for driver-	—	O	O	S
Rear seat, asymmetrically split folding back rest with recliner adjustment, longitudinally sliding seat base, centre armrest and load-through provision	S	S	S	S
-Available as part of the Leather upholstery package as an option				
Steering wheel				
3 spoke leather rimmed steering wheel	S	S	S	S
3 spoke leather rimmed sports steering wheel with brushed aluminium inserts, decorative stitching and R-Line badge-	—	O	O	S
Steering wheel mounted gearshift paddles-	—	O	O	S
Audio, Telephone and Multi-Function Display (MFD Plus) controls	S	S	S	S
Height and reach adjustable steering wheel	S	S	S	S
-Available as part of the R-Line package as an option				
Storage				
Centre console open storage compartment	S	S	S	S
Chillable glove box with illumination, lockable	S	S	S	S
Coin tray and 12 volt socket in console	S	S	S	S
Dashboard top open compartment	S	S	S	S
Dashboard centre open compartment	S	S	S	S
Drawer under front driver's seat	—	S	S	—
Drawer under front passenger seat	—	S	S	S
Door pockets, front and rear with front 1 litre bottle holders	S	S	S	S
Front centre armrest storage compartment	S	S	S	S
Front seat backrest storage pockets	—	S	S	S
Glasses case with flap in roof lining	—	S	S	S
Luggage area trays under luggage compartment floor	S	S	S	S
Roof console open compartment	S	S	S	S
Ski bag, suitable for a maximum of 4 pairs of skis	A	A	A	A
Sunroof				
Panoramic glass sunroof, electrically slide and tilt adjustable front half section with electrically operated (perforated) sunblind and integrated wind deflector	—	O	O	O

Comfort and Convenience (continued)	118TSI	132TSI	130TDI	155TSI R-Line
Transmission				
Gearshift recommendation indicator	S	S	S	S
6 speed manual transmission	S	—	—	—
6 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	O	—	—	—
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	—	S	S	S
Coasting function (with DSG)	—	—	S	—
Trip computer				
Multi-Function Display (MFD Plus) – trip time, trip length, average speed, average and current fuel consumption, distance till empty, ambient temperature, audio, telephone, vehicle status and convenience menus	S	S	S	S
Upholstery				
Cloth seat upholstery	S	—	—	—
Comfort sports Alcantara®/cloth seats upholstery	—	S	S	—
Vienna leather appointed seat upholstery with R-Line stitched logo on front driver and passenger head restraints <small>Leather appointed seats have a combination of genuine and artificial leather, but are not wholly leather.</small>	—	—	—	S
Vanity mirrors				
Driver's and passenger's side vanity mirrors	S	S	S	S
Illuminated on driver's and passenger's side	—	S	S	S
Wipers				
2 speed aero wipers with wash/wipe and 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	S	S	S	S
12V socket				
Centre console, front and rear	S	S	S	S
Luggage compartment	S	S	S	S

Optional Packages	118TSI	132TSI	130TDI	155TSI R-Line
R-Line Package*				
Alloy wheels (Mallory) 18x8 with 235/50 R18 tyres (4)				
Aluminium finish accelerator and brake pedals				
Aluminium finish front door scuff plates with R-Line insignia				
Black headlining and pillar trim				
'Kyalami' cloth seat upholstery with 'San Remo' micro fibre side bolsters				
3 spoke leather rimmed sports steering wheel with brushed aluminium inserts, decorative stitching and R-Line badge				
Steering wheel mounted gearshift paddles	—	0	0	—
R-Line stitched logo on front driver and passenger head restraints				
R-Line badge in radiator grille				
R-Line front bumper with front spoiler				
R-Line rear bumper with black sports diffuser				
Rear roof spoiler				
Widened side sill extensions				
Sports suspension				
*Not available in combination with Volkswagen Genuine Accessory towbar				
Leather Upholstery Package				
Vienna leather appointed seat upholstery				
Individually heated front comfort sports seats with longitudinal adjustable head restraints				
Electrically adjustable driver's seat	—	0	0	—
Electrically adjustable lumbar support for driver				
Leather appointed seats have a combination of genuine and artificial leather, but are not wholly leather.				
Electric seat adjustment replaces storage drawer under driver's seat.				

Technical Specifications

	118TSI		130TDI	132TSI	155TSI R-Line
Engine	1.4 TSI 118kW BlueMotion Technology		2.0 TDI 130kW BlueMotion Technology	2.0 TSI 132kW	2.0 TSI 155kW
Type	4 cylinder inline Twincharger direct injection petrol with engine Start/Stop system*		4 cylinder inline turbo direct injection diesel with engine Start/Stop system*	4 cylinder inline turbo direct injection petrol	4 cylinder inline turbo direct injection petrol
Installation	Front transverse		Front transverse	Front transverse	Front transverse
Cubic capacity, litres/cc	1.4/1390		2.0/1968	2.0/1984	2.0/1984
Bore/stroke, mm	76.5/75.6		81.0/95.5	82.5/92.8	82.5/92.8
Max power, kW @ rpm	118 @ 5800		130 @ 4200	132 @ 4300	155 @ 5300
Max torque, Nm @ rpm	240 @ 1500-4000		380 @ 1750-2500	280 @ 1700	280 @ 1700
Compression ratio	10:1		16:1	9.6:1	9.6:1
Fuel system	Bosch Motronic		Bosch common rail	Bosch Motronic	Bosch Motronic
Ignition system	Electronic		Compression	Electronic	Electronic
Exhaust emission control	Exhaust gas recirculation, catalytic converter and lambda probes		Exhaust gas recirculation with diesel particulate filter	Exhaust gas recirculation, catalytic converter and lambda probes	Exhaust gas recirculation, catalytic converter and lambda probes
Fuel type (recommended)	Premium unleaded 95 RON minimum		Diesel DIN EN 590	Premium unleaded 95 RON minimum	Premium unleaded 95 RON minimum
Transmission	6 Speed Manual	6 Speed DSG	7 Speed DSG	7 Speed DSG	7 Speed DSG
Driven wheels	Front wheel drive	Front wheel drive	4MOTION all wheel drive	4MOTION all wheel drive	4MOTION all wheel drive
Performance#					
0 – 100 km/h, seconds	8.9	8.9	8.5	7.9	7.3
Fuel Consumption**					
Combined, L/100km	6.9	7.3	6.2	8.8	8.8
Urban, L/100km	8.7	9.1	7.0	12.0	12.0
Extra Urban, L/100km	5.9	6.2	5.8	6.9	6.9
CO ₂ emission g/km	162	170	164	205	205
Fuel tank capacity, L	64	64	64	64	64

*The Start/Stop system is designed to reduce fuel consumption and CO₂ emissions. It achieves this by automatically switching off the engine while the vehicle is stationary and then starting it again automatically when the driver wants to drive off. There are certain operating conditions where the Start/Stop system is deactivated (e.g. during engine warm-up), please refer to the owner's manual for full operating information.

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

** Fuel consumption figures according to Australian Design Rule (ADR) 81/02.

The driving style, road and traffic conditions, environmental influences, fitment of accessories and vehicle condition can in practice lead to consumption figures which may differ from those calculated with these standards.

Technical Specifications

	118TSI	130TDI	132TSI	155TSI R-Line	
Running gear					
Suspension	Independent, MacPherson struts with lower wishbone. Anti-roll bar.				
Front axle	Independent, four-link with coil springs. Anti-roll bar.				
Rear axle	Independent, four-link with coil springs. Anti-roll bar.				
Steering	Electro-mechanical power assisted rack and pinion steering				
Brake systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP) Brake energy recuperation				
Brakes	Ventilated Discs				
Front	Discs				
Rear	Discs				
Turning circle, m	12				
Weights					
	6 Speed Manual	6 Speed DSG	7 Speed DSG	7 Speed DSG	7 Speed DSG
Tare mass, kg	1498	1518	1642	1626	1642
Towing capacity, kg					
Braked*‡	1800	1800	2000	2000	—
Unbraked	750	750	750	750	—
Towbar load limit, kg	100	100	100	100	—
Roof rail load limit, kg	100	100	100	100	100
Exterior Dimensions					
Overall length, mm	4426	4426	4426	4426	4426
Width, mm	1809	1809	1809	1809	1809
Height, mm	1686	1686	1686	1686	1686
Wheelbase, mm	2605	2605	2605	2605	2605
Track, mm					
Front	1569 [^]	1569 [^]	1569 [^]	1569 [^]	1569 [^]
Rear	1571 [^]	1571 [^]	1571 [^]	1571 [^]	1571 [^]
Running clearance, ^Δ mm	193	193	193	193	193

* With trailer brakes up to a gradient of 12%.

‡ 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.

[^] Track figures are based on vehicles fitted with 215/65 R16.

^Δ Running clearance as per the Australian Design Rules is defined as "the distance from the surface on which an unladen vehicle is standing to the lowest point on the vehicle excluding unsprung mass".

Technical Specifications

	118TSI	130TDI	132TSI	155TSI R-Line
Luggage Area Dimensions#				
Volume, L				
Rear seat upright	395	395	395	395
Rear seat folded	1510	1510	1510	1510
Floor length, mm				
Rear seat upright	936	936	936	936
Rear seat folded	1680	1680	1680	1680
Floor width, mm				
Narrowest point	1008	1008	1008	1008
Maximum	1053	1053	1053	1053
Height, mm	607	607	607	607
Load height up to headlining, mm	1025	1025	1025	1025

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

Colour & Upholstery Combinations

Seat Upholstery	Exterior Colours					
	Pure White	Deep Black Pearl Effect	Night Blue Metallic	Reflex Silver Metallic	Titanium Beige Metallic	Pepper Grey Metallic
118TSI						
Black cloth seat upholstery	S	S	S	S	S	S
130TDI, 132TSI						
Black comfort sports Alcantara®/cloth seat upholstery	S	S	S	S	S	S
155TSI R-Line						
Black Vienna leather appointed seat upholstery*	S	S	S	S	S	S
Optional, 132TSI, 130TDI						
Black Vienna leather appointed seat upholstery*	O	O	O	O	O	O

Please note Metallic (M) and Pearl Effect (PE) paint are optional at extra cost.

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

Glossary

4MOTION[^]

An all-wheel drive system that provides the best possible traction at all road speeds, in all weather and road conditions. An electronically controlled multi-plate clutch directs torque to the axle with the best traction.

When operating under a relatively low load or when coasting, power is primarily distributed to the front axle, thus saving fuel. However, the rear axle can be variably engaged in fractions of a second whenever necessary, even before any wheel starts to slip and therefore reducing the potential for a loss of traction. The wheels of the vehicle are prevented from spinning even when driving off and accelerating.

Activation of the multi-plate clutch is based primarily on the engine torque demanded by the driver. In parallel, a system within the all-wheel drive control unit evaluates such parameters as wheel speeds and steering angle.

Adaptive Chassis Control[^]

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.

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

Auto Hold function

As soon as the vehicle comes to a complete stop, the ABS hydraulic unit stores the 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.

Coasting Function[^]

While driving, as the driver's foot is taken off the accelerator pedal the engine is declutched, allowing the vehicle to coast and roll over a longer distance. The momentum of the vehicle is used to save fuel with a foresighted driving style. When the brake, accelerator pedal or the gear selector lever is operated, the clutch is re-engaged and engine braking / drive takes effect. Coasting Function can be selected or deselected via the multifunction display settings. The gear selector lever is required to be in the D position to be functional.

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.

Driver Fatigue Detection System

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

Glossary

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, EDL 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.

Engine Braking Control (EBC)

Prevents the driven wheels from locking if the accelerator is lifted very suddenly or the vehicle is braked sharply because a low gear is engaged.

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 driven wheel/s 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.



Tiguan

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