



Volkswagen

# Touareg Monochrome

## Specifications



# Features and Specifications

## Safety and Security

### Airbags

Driver and front passenger airbags

Driver and front passenger side airbags

Driver's knee airbag

Outer rear seat passenger side airbags

Curtain airbags, front and rear

Rollover sensor system

### Anti-theft

Alarm system with interior monitoring, tilt sensor and central locking SAFELOCK deadlock mechanism

Electronic engine immobiliser

### Body

Door side impact protection

Fully galvanised, unitary constructed body with rigid safety cell and front and rear programmed crumple zones

12 year anti-corrosion perforation warranty

### Brakes

Automatic flashing brake lights activated in emergency braking situation

Anti-lock Braking System (ABS)

Electronic Brake-pressure Distribution (EBD)

Brake Assist

Electro-mechanical parking brake

Auto Hold function and Hill Hold Assist

Multi-collision brake

### Incorrect fuel filling prevention

### Head restraints

Front safety optimised head restraints

Front head restraints height adjustable

Front head restraints longitudinal adjustable

Rear adjustable and removable (3)

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## Safety and Security (continued)

### Lighting

LED Daytime driving lights

Front fog lights with static cornering lights, mounted in lower bumper

Dark tinted premium LED rear taillights

Rear fog lamp

LED rear registration plate light

Entry/warning reflectors in rear doors

### Locking

Remote central locking

Keyless Access, keyless entry and starting system including starter button

2 stage unlocking (programmable)

Automatic locking after takeoff (programmable)

One touch lock / unlock for driver and front passenger

Electrically operated child safety lock for rear doors

### Seat belts

Front height adjustable

Pre-tensioners for front and outer rear passengers

Belt force limiters for driver and front passenger

Warning buzzer and light for driver and front passenger seat belt not fastened

3 point seat belts for all passengers

Child seat anchor points mounted on rear seat (3)

ISOFIX child seat anchorage points, outer rear seats

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## Exterior Equipment / Styling

### Traction control

Anti-Slip Regulation (ASR)

Electronic Differential Lock (EDL)

Electronic Stabilisation Program (ESP) with active rollover protection function

Engine Braking Control (EBC)

Off-road function with Anti-lock Braking System (ABSplus) and Hill Descent Assist

4MOTION permanent all wheel drive

### Body enhancements

Body coloured door handles

Body coloured lower body side and bumper trim

Chrome radiator grille highlights

Chrome trim around side window frames

Chrome lower body side mouldings and rear bumper step

Dual triangular chrome exposed exhaust tail pipes, left and right

Front bumper centre lower air intake with blacked out highlights

Mirror caps in gloss black

Monochrome badge on boot

### Window glass

Heat insulating tinted glass

Dark tinted rear side windows and rear window, 65% light absorbing

### Paint

Metallic or Pearl Effect paint finish

### Roof rails

Roof rails, black

### Wheels

Alloy wheels (Moab) 19 x 8.5" with 265/50 R19 tyres (4)

Black wheel bolt covers

Anti-theft wheel bolts

Weight and space saving steel spare wheel

Electric air compressor

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## Comfort and Convenience

### Armrests

2 Part front centre armrest, adjustable with integrated storage Compartment and 'Moonrock Grey' stitching

Rear seat centre armrest, foldable including cup holders (2)

### Air conditioning

Dual zone automatic climate control air conditioning

Air quality sensor with automatic air recirculation

Dust and pollen filter

Climate zone synchronisation

Residual heat mode (REST)

### Cruise control

Adaptive Cruise Control (ACC)

### Cup holders

Front (2)

Rear (2)

Bottle holders in front door pockets

### Driver assistance systems\*

Driver Fatigue Detection system

Optical Parking System (OPS) in radio/navigation display

Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated

Front Assist function with City Emergency Brake function (City EB)

Proactive occupant protection system

Rear View Camera (RVC Plus with dynamic guidance lines)

### Floor mats

Front and rear, carpet mats with 'Moonrock Grey' stitching

### Fuel

Fuel filler flap lock/unlock by remote, push to open

### Grab handles

Soft fold away grab handles

### Headlights

Bi-Xenon headlights for high and low beam with dynamic cornering lights, LED daytime driving lights integrated in headlight housing, automatic self-levelling and headlight cleaning system

Headlight setting rotary switch with front and rear fog light switches

Coming / leaving home function

Low light sensor with automatic headlight function

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

S Standard    O Optional Extra    — Not available



## Comfort and Convenience (continued)

### In car entertainment and technology

Multi-Function Vehicle Display – climate control settings, vehicle service information, audio and convenience settings

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Audio controls mounted on steering wheel

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Auxiliary input socket for external audio source in centre console

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Media Device Interface (MDI), located in centre console and supplied with USB and auxiliary input connection cables

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Bluetooth® phone connectivity with phonebook display, operation via touch screen audio unit or MFD Premium with Bluetooth® audio streaming

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Satellite navigation system (RNS850) High-resolution multi-colour 8 inch touch screen black gloss finish display in 16:9 format, 2D, topographical and 3D (bird's eye) map views, voice control for navigation and radio functions, integrated 60GB hard drive for storing music and navigation data, two SDHC compatible SD card slots and single DVD drive for the playback of audio and video files, including but not limited to MP3, MP4, AVI, WMA, WMV, MPEG, AAC (iPod® format)

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### Instrumentation

Speedometer and tachometer, electronic odometer and tripmeter, service interval display, digital clock, fuel, coolant & oil temperature gauges and low fuel warning light

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### Interior highlights

Chrome trim surrounding instrument dials and gear lever

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Door sill scuff plates in stainless steel

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Leather gear shift knob with aluminium insert

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Titanium black roof lining

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Stainless steel finish brake and accelerator pedals

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Brushed Aluminium and black gloss inserts in dashboard, console and doors

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'Moonrock Grey' door inserts front and rear

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### Interior lighting

Passenger reading lights, front and rear with time delay

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Foot well lighting front and rear

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### Luggage compartment

Net partition, rear seat backrest to roof lining

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Elastic storage straps

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Extendable luggage cover

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Luggage compartment lights

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Luggage net

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Luggage mat, reversible (carpet and rubber) and removable

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Rear seat backrest remote release

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12 volt socket

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Shopping bag hook

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### Mirrors

Automatic dimming interior rear-view mirror

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Electrically heated, foldable and adjustable exterior mirrors, automatically dimming on driver's side with environment lighting

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LED turn indicators mounted in exterior mirrors

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## Monochrome

## Comfort and Convenience (continued)

### Power steering

Hydraulic, vehicle speed and steering input sensitive

### Seating

Comfort front seats

Electrically adjustable front seats, 14-way adjustment including electric lumbar adjustment and electro-pneumatic side bolsters

Individually heated front seats

Individually ventilated front seats

Rear seat bench asymmetrically split and folding, longitudinally sliding with recliner adjustment, centre armrest and load-through provision

Rear seat remote release from luggage compartment

### Steering wheel

Height and reach adjustable

Heated leather rimmed 3 spoke multi-function steering

Multi-Function Display (MFD Premium), telephone and audio controls

Gear shift selection paddles

### Storage

Central compartment on the dash panel with lid

Centre console tray and 12 volt socket with lid

Chillable glove box with illumination, lockable

Drawer under driver's seat

Drawer under front passenger seat

Front seat backrest nets

Front door pockets, with bottle holders

Rear door pockets

Sunglass storage in glove compartment

### Sun visors

Driver and passenger double sun visors

### Tailgate

Automatic opening and closing of the tailgate via key remote and button on tailgate

Released electrically via switch on driver's door

Loading sill protection - stainless steel

### Trip Computer

Multi-Function Display (MFD Premium) 7" colour large format display screen - trip time, trip length, average speed, distance to empty, average and current fuel consumption, outside air temperature, speed warning system, audio system display, telephone menu and gear position, warning lights for open tailgate and doors

### Upholstery

Two-tone 'Moonrock Grey' & Black Vienna leather appointed seat upholstery

Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

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## Comfort and Convenience (continued)

### Vanity mirrors

Illuminated on driver's and passenger's side

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### Wipers

2 speed wash/wipe windscreen wipers

Heated washer jets

Rain sensor with 4 position sensitivity

Rear window with wash/wipe & intermittent wipe

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### Windows

Power front / rear, with roll-back function, driver with one-touch up - down

Remote operated convenience close and open feature

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### 12V socket

Centre console, front and rear

Luggage area

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## Special Model Package

### Monochrome package

Adaptive Cruise Control (ACC)\*

Front Assist function and City Emergency Brake (City EB) function\*

Proactive occupant protection system

Keyless Access, keyless entry and starting system including starter button

Automatic opening and closing of the tailgate via key remote and button on tailgate

Dark tinted LED rear taillights

Dark tinted rear side windows and rear window, 65% light absorbing

Roof rails, black

Front bumper centre lower air intake with blacked out highlights

Mirror caps in gloss black

Alloy wheels (Moab) 19 x 8.5" with 265/50 R19 tyres (4)

Door sill scuff plates in stainless steel

Heated, multi-function leather steering wheel with paddle shifters

Brushed Aluminium and black gloss inserts in dashboard, console and doors

2 Part front centre armrest, adjustable with integrated storage compartment and 'Moonrock Grey' stitching

Stainless steel finish brake and accelerator pedals

Titanium black roof lining

'Moonrock Grey' door inserts front and rear

Front and rear, carpet mats with 'Moonrock Grey' stitching

Individually ventilated front seats

Monochrome badge on boot

Two-tone 'Moonrock Grey' & Black Vienna leather appointed seat upholstery#

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

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



# Technical Specifications

	Monochrome
<b>Engine</b>	<b>3.0 litre V6 TDI BlueMotion Technology</b>
Type	6 cyl 'V' turbo diesel with engine Start/Stop system*
Installation	Front longitudinal
Cubic capacity, litres/cc	3.0/2967
Bore/stroke, mm	83.0/91.4
Max power, kW @ rpm	150 @ 3200-4000
Max torque, Nm @ rpm	450 @ 1250-2750
Compression ratio	16.8:1
Fuel system	Bosch Common rail
Ignition system	Compression
Exhaust emission control	Exhaust gas recirculation, oxidation catalytic converter, diesel particulate filter
Fuel type (recommended)	Diesel DIN EN 590
<b>Transmission</b>	<b>4MOTION all-wheel-drive</b>
Gearbox	8 speed automatic transmission with Tiptronic function, sports mode and Coasting Function
<b>Performance#</b>	
0 – 100 km/h	8.5
<b>Fuel consumption **</b>	
Combined, L/100km	7.2
Urban, L/100km	8.4
Extra Urban, L/100km	6.5
CO <sub>2</sub> emission g/km	190
Fuel tank capacity, Litres	85

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

# Technical Specifications

	Monochrome
<b>Running gear</b>	
Steering	Hydraulic power assisted rack and pinion steering
Turning circle, m	11.9
Brake systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP)
Brakes	
Front	Ventilated discs
Rear	Ventilated discs
Suspension	
Front axle	Double wishbones, aluminium upper control arms and steel triangulated lower wishbone. Anti-roll bar.
Rear axle	Double wishbones with two split forged aluminium upper control arms steel triangulated lower wishbones. Anti-roll bar.
<b>Weights</b>	
Tare weight kg	2146
<b>Towing capacity kg*</b>	
braked <sup>‡</sup>	3500
Unbraked	750
Towbar load limit kg	280
Max. roof load kg	100
<b>Exterior dimensions</b>	
Overall length mm	4801
Width mm	1940
Height mm	1732
Wheelbase mm	2904
Track mm	
front <sup>^</sup>	1650
rear <sup>^</sup>	1670

\* With trailer brakes up to a gradient of 12%. Please note towing capacities are applicable to Volkswagen Genuine Accessory Tow Bar. Towing capacity figures are maximum figures and actual towing capacity depends on factors including the laden mass of the vehicle, driving conditions and fitment of any accessories.

‡ 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.

<sup>^</sup> Track figures are based on vehicles fitted with specified standard wheels.

# Technical Specifications

	Monochrome
<b>Luggage area dimensions#</b>	
Luggage area volume, L	
rear seat upright	580
rear seat folded	1642
Luggage area floor length, mm	
rear seat upright	974
rear seat folded	1814
Luggage area height, mm	866
Luggage area width, mm	
Minimum	1158
Maximum	1189
<b>Off-road dimensions</b>	
Approach angle	<b>Steel Spring Suspension</b> 25 Degrees
Departure angle	25 Degrees
Break over/Ramp angle	20 Degrees
Ground clearance	205mm
Wading depth	500mm
Maximum gradability	31 Degrees
Maximum lateral slope angle	35 Degrees

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

# Colour Combinations

Interior Trim	Exterior Colours		
	Pure White	Deep Black PE	Canyon Grey M
<b>150TDI Monochrome</b>			
Two-tone 'Moonrock Grey' & Black Vienna leather appointed seat upholstery <sup>#</sup>	S	O	O

<sup>#</sup>Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather.  
Please note Metallic (M) and Pearl Effect (PE) paint are optional at extra cost.

# Glossary

## 4MOTION

The power of the Touareg engine is transmitted to the wheels via the permanent 4MOTION all-wheel drive system. This flow of power is handled by a Torsen transfer box to direct drive to the wheels where required to provide the best possible traction at all road speeds, in all weather and road conditions.

## Adaptive Cruise Control (ACC)

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on radar sensors, multi-function camera and parking distance sensors. When ACC is activated, the vehicle automatically brakes and accelerates in a speed and distance set by the driver.

If the Touareg 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 Touareg 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 will reactivate automatically if the traffic moves within 2 seconds, otherwise the driver can reactivate the system by depressing the accelerator pedal.

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 does not react to stationary obstacles and oncoming 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-lock Braking System (ABSplus)

In addition to the functionality of ABS, when the off road function is selected via the centre console dial the ABSplus is activated. If loose surfaces are registered, wheel lock forms a wedge in front of the wheels significantly shortening braking distances in off-road conditions.

## Auto Hold

pressure. So even when you take your foot off the brake pedal, all four wheels brakes remain applied, preventing the vehicle from rolling away without having to depress the footbrake providing increased comfort in stationary traffic. This function is released automatically when you drive off again.

## 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.

## 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.

## 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 on both axles in forward and reverse and operates up to 40km/h.

## Anti-Slip Regulation (ASR)

ASR is a switchable traction control system that prevents the wheels from spinning under acceleration by reducing engine torque. It is active at speeds above 40km/h.

# Glossary

## 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.

## 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 Premium) and an acoustic signal. The warning is repeated after 15 minutes if the driver has not taken a break.

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

## Front Assist with City Emergency Brake (City EB) function

Above 30km/h, 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 Front Assist function provides automatic braking and/or boosting of the driver's braking force up to maximum braking in critical situations in an attempt to reduce the impact severity.

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 attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles.

## Hill Descent Assist

Hill Descent Assist supports the driver when driving down a steep incline at the speed elected by the driver by means of actively controlled brake applications. Hill Descent Assistance will only operate when off road mode is activated, speeds are lower than 30km/h, the gradient is greater than 10%, the engine is running and the accelerator and brake pedals are not pressed.

## Hill Hold Assist

The Hill Hold Assist function comes into effect when stationary on steep inclines, utilising the transmission as necessary to prevent the vehicle rolling back.



# Glossary

## **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.

## **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 safety 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.

# Touareg Monochrome

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