

Innovative Technology

From Concept to Realisation



Das Auto.



TSI[®] + TDI[®] A Miracle Of Performance

| Introducing TSI

Volkswagen's TSI twin or single-charged engine combines our innovative and world-leading direct injection petrol technology with turbocharging. Volkswagen is the first and only manufacturer worldwide that is offering TSI twincharger technology in a mass volume series engine.

The TSI engine uses a comparatively small amount of cubic capacity, making it fuel efficient while delivering high torque at low revs and a continuous surge of power. This ensures you can steer clear of petrol stations during those long, pleasurable drives. CO₂ emissions are also significantly reduced thanks to the TSI technology.

Since its debut, Volkswagen TSI technology has achieved widespread acclaim, winning for example the prestigious International Engine of the Year award in 2005, its category again in 2006, 2007 and 2008 as well as the Australian International Design Award in 2008 in the automotive and transport category.

| TDI Engine

Diesel of the future

The TDI is a state-of-the-art diesel engine from Volkswagen with high torque and low fuel consumption, resulting in outstanding power efficiency. The dynamic power of the TDI engine provides abundant torque, even at low revs, offering you a more responsive and improved driving experience. Climbing hills, overtaking and towing can be done with ease.

Naturally, the Volkswagen TDI's fuel efficiency gives you more value for your money at the petrol station. This reduced fuel consumption has another very important benefit to you, your community and our planet. Our diesel engines use less fuel, save resources and ultimately emit less exhaust fumes into the atmosphere.

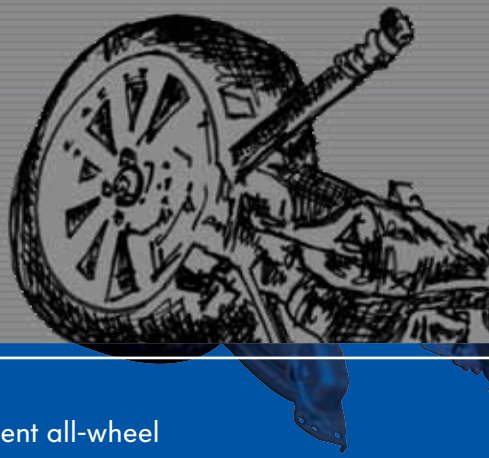


From Concept

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Maximum power
Minimum consumption



4MOTION® Intelligent all-wheel drive system

I 4MOTION®

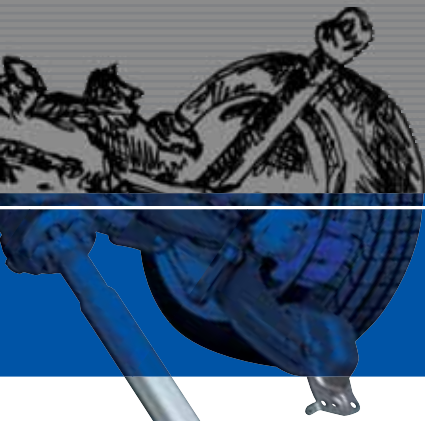
4MOTION is an intelligent all-wheel drive system that improves traction and provides a reassuring sense of safety, even in bad weather or on rough roads, which enhances driving pleasure.

Driving forces are distributed variably between the front and rear axles. If differing rotation speeds occur between the two axles – for example, if one wheel is slipping on loose ground – the system distributes the drive torque across both axles, diverting a portion of the torque to the other axle as required.

Volkswagen currently offers 4MOTION® technology systems in the Golf R32, Tiguan, Passat V6 Highline, Passat R36 and Touareg.*

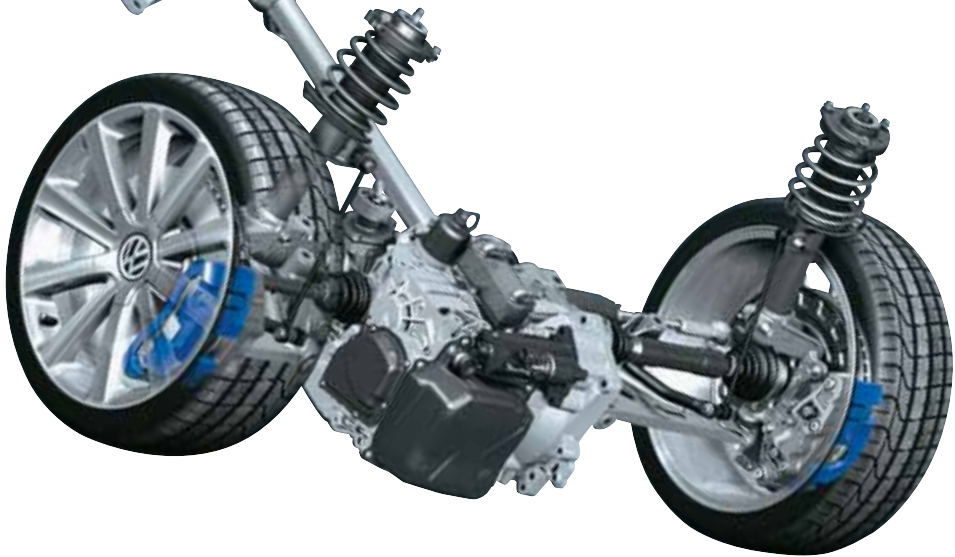
All-wheel drive dependability

*Uses 4XMOTION system enhanced for off road conditions



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DSG[®] and Automatic Transmission with Tiptronic Function

More innovative, intelligent and comfortable than ever

Volkswagen's innovative dual-clutch DSG gearbox combines the sportiness and fuel-efficiency of a manual transmission with the comfort of an automatic transmission. Volkswagen was the first manufacturer to develop a dual-clutch gearbox ready for production.

DSG engineers revolutionised gearbox design by matching the agility and fun of a manual transmission with the ease and convenience of an automatic. With the DSG, there is virtually no interruption to power, traction or acceleration. And as an additional benefit, the DSG transmission has a significantly lower fuel consumption in comparison with a conventional automatic transmission.

The benefit of 2 gear sets and 2 multi-plate wet 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.

Automatic 'Tiptronic' transmission with Dynamic Selection Program

This 6-speed transmission with a Dynamic Selection Program (DSP) adapts to the driver's individual driving style, enhancing the driving experience. If another driver with a different style gets behind the wheel, the transmission will adapt in a short period of time to learn the subsequent driver's style.

Efficient, powerful and clean



Safety

ESP, ABS, Brake Assist, Airbags, Seatbelt Pre-Tensioner and Belt Force Limiter

A safe ride the number one priority

Volkswagen's vehicles are now safer than ever. Even in extreme conditions, safety technologies such as the Electronic Stabilisation Program (ESP), Anti-lock Braking System (ABS) and Electronic Brake-Pressure Distribution (EBD) with Brake Assist, combine to keep you in control and help avoid an accident. Safety technologies such as Airbags, Seat Belt Pre-Tensioners and Belt Force Limiters are also top priorities.

ESP helps ensure that the vehicle goes where you steer it in all driving conditions. ESP will apply the brakes to individual wheels and automatically adjust the engine's power output to correct the problem.

EBD ensures a 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 extend.

ABS keeps the vehicle steerable when braking hard so that the driver can steer around an obstacle and avoid a collision. It is, of course, safer to come to a standstill in front of the obstacle and this is where the Volkswagen brake assist systems come into play.

The systems identify emergency braking and apply optimal brake force, significantly shortening braking distance. The hazard warning lights also switch on automatically during emergency braking.

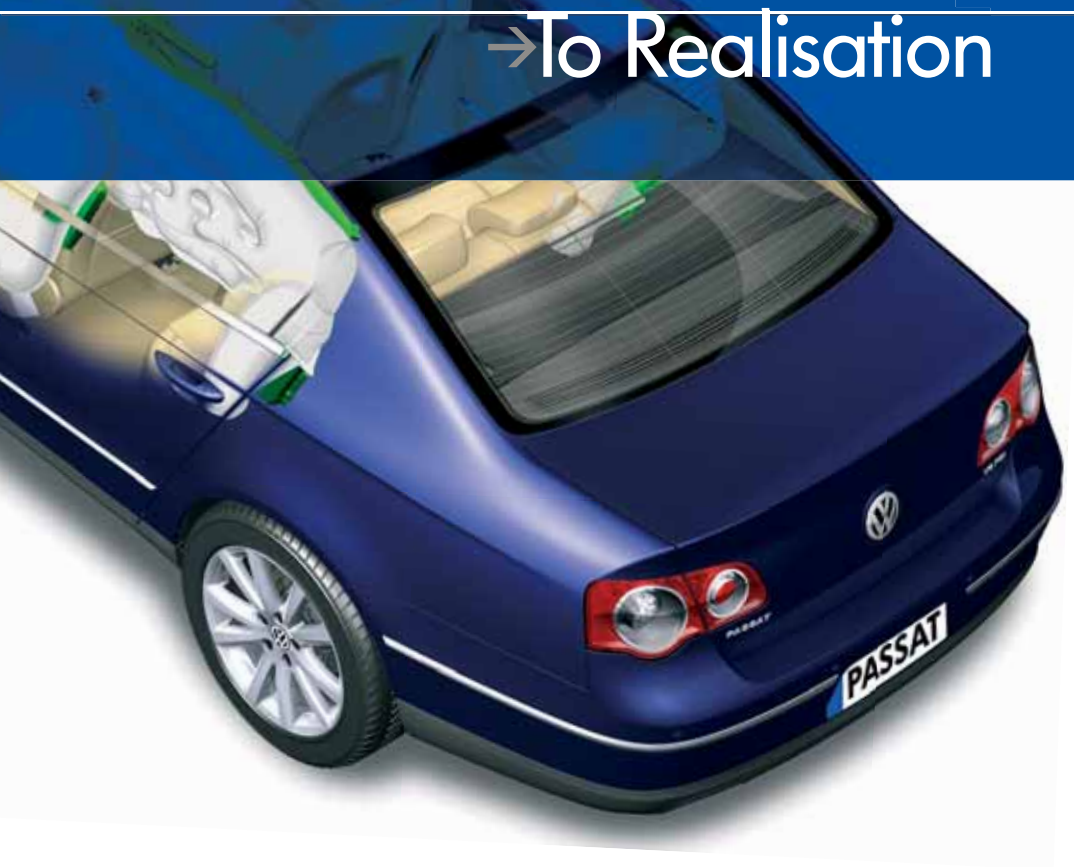
In the event of a collision, front and rear crumple zones absorb the energy of an impact and divert the resulting forces around the passenger safety cell. Every occupant is protected by a three-point seat belt, head restraint and a compliment of airbags.

The front seat belts are fitted with built-in pre-tensioners, placing your body in the ideal position for airbag deployment. Belt force limiters reduce the risk of injuries caused by the seatbelt.



From Concept

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Fully committed to your safety

From Concept

→ To Realisation



Enhanced
quality and control

Technical

Rear View Camera (RVC Plus), RNS510 and Park Assist

| Park Assist

The optional Park Assist actively helps the driver when reversing into parallel parking spaces. The system works by using sensors mounted either side of the front bumper together with parking distance sensors front and rear.

You only have to operate the accelerator and brake. The system automatically scans the space and steers the vehicle. You are still in command of your vehicle at all times and you can end the sequence at any time by manually controlling the steering wheel or simply applying the brake.

Volkswagen was the first manufacturer to offer the innovative Park Assist technology in a Compact SUV. Park Assist is currently available on the Tiguan and Passat (excluding R36).

| Rear View Camera (RVC Plus)

The optional RVC Plus helps you identify persons and objects behind the car, making reversing much easier. A visual navigation screen, with dynamic guidance lines, displays the area behind the vehicle. This feature activates when the reverse gear is engaged.

RVC Plus is currently available on the Tiguan, Passat Wagon and Touareg.

| RNS510

The optional RNS510 Satellite Navigation System is Volkswagen's latest state-of-the-art innovation. Easily operated using a touch sensitive display, the high-resolution 16:9 format screen displays maps and delivers brilliant colour image and video quality.

Travel maps can be viewed in 2D, topographic, or 3D view, and a split-screen feature is also available, making it even easier to choose the right route to your destination.

The new system calculates travel routes at an incredible speed using its high-performance processor. With an impressive 30GB of hard drive capacity and built-in DVD drive, your MP3/WMA music library and navigation data is available at your fingertips. Your favourite music can also be accessed via an MP3 player compatible multimedia socket or SD card slot.

The audio module of the RNS510 is noted for its outstanding sound. A high-performance digital dual tuner ensures excellent quality sound reproduction.



Das Auto.

For a detailed list of vehicles containing the described features and options please refer to www.volkswagen.com.au or visit your nearest Volkswagen dealer.