



Volvo Car Corporation

PRESS INFORMATION

Product News from Volvo Car Corporation

- **Volvo Cars introduces 130 bhp version of its new 5-cylinder diesel engine**
- **Five-speed automatic transmission now an option with the Volvo diesel engines**
- **New colour-coordinated exterior styling option for the Volvo S80 T6**
- **Bi-Xenon - for superior headlight performance**
- **Emergency Brake Assistance for safer stopping**
- **Volvo Ocean Race Special Editions**

Besides the introduction of its new SUV, the XC90, Volvo Car Corporation can reveal a series of other developments and innovations in its car range as the year 2002 gets under way.

The biggest news on the engine front is the introduction of a 130 bhp version of the new 2.4 litre diesel engine.

At its launch last summer, the first diesel engine ever developed by Volvo Cars - the D5 - received an extremely warm welcome in the international motoring press. Developing 163 bhp, the new Volvo diesel was acclaimed for its quietness and low fuel consumption, but especially for its exceptional reserves of power, always on tap even at very low rpm.

The new 130 bhp variant is basically the same engine:

- 5 cylinder, in-line, displacement 2.4 litres
- Second-generation common rail technology, with injection pressure of up to 1600 bar

- Advanced turbo technology: Variable Nozzle Turbine
- All-aluminium, weight: 185 kg

In this variant too, the maximum torque of 280 Nm is available right from 1750 rpm.

Its fuel consumption is similar to that of its more powerful brother, which, in a Volvo S60 means 6.3 to 6.5 litres/100 km, depending on the individual equipment specification. Acceleration from 0-100 km/h takes 11.6 seconds with the manual gearbox, and top speed is 200 km/h.

Automatic transmission is now an option with both of Volvo Car Corporation's own diesel engines. This is a five-speed transmission, electronically controlled to adapt to the driver's personal style of driving. It has a "W" setting for slippery or winter driving conditions, plus a lock-up function which reduces fuel consumption at constant speed.

Fuel consumption in a Volvo S60 with automatic transmission is 7.5-7.6 litres/100 km, depending on individual equipment.

Colour-coordinated S80

Available at the same time as these new equipment alternatives will be a new exterior styling option for the S80 T6. A colour-coordinated version of this, Volvo's top-of-the-range saloon, can now be ordered. The colour-coordinated option means that the waistline moulding and the mouldings above the front and rear bumpers are the same colour as the body paintwork.

Developed especially for the North American and Japanese markets is a special new tricoat paint called White Pearl. Initially at least, this will be available only for the Volvo S80, and will be seen for the first time at the Detroit Motor Show.

Bi-Xenon headlights

For many years now Volvo's headlights have delivered absolutely first-rate illumination for driving. Free-form headlights providing greatly enhanced performance were first introduced five years ago, and soon the entire Volvo car range will have xenon headlamps; single xenon for the S40 and V40, and Bi-Xenon (i.e. xenon lamps for both dipped beam and main beam) for all other models, with free-form reflectors and clear glass in front.

Xenon lamps are high-intensity gas-discharge lamps using the element xenon rather than halogen. Xenon delivers far better illumination than halogen. The light it casts is more like daylight, and xenon lamps have a luminous flux rating twice as high as halogen ones.

Xenon lamps also have a much longer service life than halogen ones: 3,000 hours of use, the equivalent of driving about 250,000 kilometres with the headlights switched on.

The configuration of the light from a xenon lamp is superior too, casting a wider beam. Volvo's Bi-Xenon lights make use of the entire surface of the reflector and have a wide glass opening, which minimises the risk of dazzling other road users (a criticism sometimes levelled at headlights of this type).

Emergency Brake Assistance

The braking system in all Volvos is dimensioned to help stop the vehicle safely, even when it is fully loaded with seven people and their luggage. This is achieved through an optimised braking system and EBA (Emergency Brake Assistance). This system monitors exactly how sharply the brake pedal is being used, and can thus determine if the driver is braking extra hard. In an emergency braking situation, the brake pressure is boosted to maximum in the shortest possible time, thus reducing the stopping distance.

EBA works in conjunction with Volvo's Dynamic Stability Control System (DSTC) and is standard on all cars equipped with this system.

New-generation RTI system

Now being released is the fourth generation of the Volvo in-car navigation system, RTI. The major advance here is that the new system is DVD-based, which means fewer map discs are needed. The new system lets the user choose to hear directions from either a male or a female voice, and it also shows the estimated journey time left. The menus have been redesigned to make them clearer and easier to use. Innovations on the hardware front are a 6.5 inch widescreen display and a separate remote control which lets passengers operate the system too. As before, owners can upgrade their systems to include a receiver for terrestrial television channels, usable throughout most of Europe.

Special Edition estates in Ocean Blue for the Volvo Ocean Race

Launched to coincide with the start of the Volvo Ocean Race from Southampton on 23 September last year were special editions of the Volvo V70 and the Volvo Cross Country. These will be promoted in about 20 different markets world wide as the round-the-world yacht race unfolds.

They will remain on sale right up until the time when the winning boat crosses the finish line in Kiel on 9 June 2002. Demand is expected to be particularly high in the North American markets, which have been allocated around 500 vehicles.

The special Ocean Blue paint will not be used for any other cars. Other features of the VOR Special Edition cars include a silver waistline moulding, a Volvo Ocean Race badge on the front doors and the race logo on the sill mats. The Volvo Cross Country Special Edition also has skidplates front and rear. All of the VOR cars have leather upholstery.

The Volvo Car Corporation range

Volvo C70 Coupe and Convertible

Although only introduced in 1997, the Volvo C70 Coupe is now the oldest model in the entire Volvo line-up. The Volvo C70 Coupe and Convertible have both played a very important part in forging the new image of the Volvo brand.

Sheer drivability is the most striking overall impression. For the driver of the C70 Coupe, this is enhanced by the car's inherent sportiness and dynamism. In the C70 Convertible, elegance and comfort are accentuated more.

The Volvo C70 offers a choice of 5-cylinder engines from 163 bhp to 240 bhp.

Volvo S80

In May 1998, Volvo Cars presented the Volvo S80 - the first model to be developed from Volvo's larger platform.

A top-class safety level combined with a range of other new features has made the Volvo S80 one of the most attractive and competitive offerings in the market for large saloons. The engine programme is based on two different concepts - six-cylinder engines for total comfort and performance, and five-cylinder versions for fuel economy and smooth driving.

The Volvo S80 is available with 5 and 6-cylinder petrol engines from 140 bhp to 272 bhp. Two 5-cylinder diesels are also available: 130 and 163 bhp.

Volvo V70

Launched in 2000 were three more models derived from Volvo's large platform. Although this platform was first used to develop the S80 saloon, the new V70 is far from being just a modified saloon. It is a new and unique estate, an improvement on the previous Volvo V70 in virtually every respect.

The Volvo V70 is available with 5-cylinder petrol engines from 140 bhp to 250 bhp. Two 5-cylinder diesels are also available: 130 and 163 bhp.

Volvo Cross Country

The AWD Volvo Cross Country is a highly attractive alternative for customers who want a truly flexible car with the right attitude. It can cope with virtually any surface, but it is also safe, convenient, comfortable and fun to drive. Volvo's first Cross Country was introduced in 1997 and became an immediate success. This new model is an advance on its predecessor in practically every way.

The Volvo Cross Country is available with a 5-cylinder petrol, Light Pressure Turbo engine delivering 200 bhp.

Volvo S60

Lively, dynamic styling gives the S60 a definite sporty look. Although it reveals clear inspiration from the coupe, the S60 is a spacious saloon which can accommodate five adults with ease. In this case the same versatile platform previously used for the S80, V70 and Volvo Cross Country produced a somewhat smaller model, with a bolder air. The recently introduced Volvo S60 AWD is equipped with electronically-controlled All Wheel Drive.

The Volvo S60 is available with 5-cylinder petrol engines from 140 bhp to 250 bhp. Two 5-cylinder diesels are also available: 130 and 163 bhp.

Volvo S40 and Volvo V40

The launch of the Volvo S40 and Volvo V40 Phase II models in early 2000 brought more far-reaching changes than may be apparent at first glance. The Phase II versions were redesigned for greater comfort and quieter motoring. Thanks to engine upgrades they are also more powerful than the Phase I models, which were introduced in 1995.

The Volvo S40 and V40 are available with 4-cylinder petrol engines from 109 bhp to 200 bhp. Two 4-cylinder diesels are also available: 102 and 115 bhp.

Volvo Bi-Fuel

Most Volvo car models are now available in a Bi-Fuel version with the latest generation Bi-Fuel gas/petrol engine, offering major benefits for both the environment and the car owner.

Volvo Cars' new Bi-Fuel engines run on gas, using petrol as a reserve fuel. The gas tanks are located under the floor, which means no reduction in load space by comparison with the conventional petrol and diesel versions. Volvo offers Bi-Fuel solutions few - if any - other manufacturers can match:

- The 2.4-litre, five-cylinder Bi-Fuel engine for the Volvo S80, Volvo V70 and Volvo S60 will be available in two variants: one powered by methane (natural gas or biogas) and one that runs on liquefied petroleum gas (LPG). The maximum power is 140 bhp both on gas and petrol.
- The Volvo S40 and V40 are available with a 1.8-litre, four-cylinder Bi-Fuel engine running on LPG. The output is 120 bhp in LPG mode and 122 bhp when driving on petrol.

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