

EMBARGOED UNTIL 16.00, MONDAY 12 SEPTEMBER 2005

THE ALL NEW VOLVO C70: OVERVIEW

- **All new Volvo C70 coupe/convertible now available to order - delivery 2006.**
- **The first premium four-seater coupe/convertible with three piece retractable roof.**
- **A premium coupe that converts to a convertible in less than 30 seconds.**
- **Two five-cylinder petrol engines: 2.4i (170bhp) and T5 (220bhp).**
- **Five-cylinder, 180bhp D5 diesel engine to follow in mid 2006.**
- **Three trim levels: Sport, SE and SE Lux.**
- **High standard specifications include minimum of: 17in alloy wheels, ECC (Electronic Climate Control), cruise control, DSTC (Dynamic Stability and Traction Control), leather sports steering wheel with remote audio controls, front fog lights.**
- **High quality Dynaudio[®] audio systems with up to 910 watts of power.**
- **Safety: world-first door mounted inflatable curtain, plus ROPS (Roll Over Protection System) and extra high strength steel A-pillars.**
- **Security: Private Locking function; secure coupe when roof up.**
- **Torsional rigidity twice as high as previous generation C70 convertible.**
- **Prices expected to start from £26,000 to around £30,000 for Sport models.**
- **Insurance group ratings: 15-18 (provisional).**
- **A launch film, plus web reporters and live webcam footage of the all new Volvo C70 at the Frankfurt Show can be viewed from 13 September at www.volvocars.co.uk/allnewC70**

The all new Volvo C70 is two cars in one – a coupé and a convertible – with room to seat four adults in comfort. It is also the first of its kind in the premium sector with a three-piece retractable steel roof which, at the press of a button, folds up or down in 30 seconds or less.

Volvo expects to double its annual sales of the new C70 to 16,000 globally, and to over 3,000 in the UK. The USA is expected to account for 50 per cent of C70 customers, with the UK and Germany the next most successful and accounting for a further 25 per cent of sales.

more...

Design concept

Volvo's designers have ensured that the all new Volvo C70 follows its latest, modern design trends of rounded front corners with shapely shoulders and rear lights, and is just as attractive and desirable whether the roof is up or down.

The design and development of the folding roof has taken place in collaboration with Pininfarina in Turin, Italy. It will still be built at the Uddevalla plant in Sweden, but in conjunction with Pininfarina – Pininfarina Sverige AB – its first joint venture and the first time Pininfarina has built a car in another country.

Although slightly shorter and lower than its predecessor, the all new Volvo C70 is longer, wider and taller than both its key (soft top) rivals, the BMW 3-Series and the Audi A4 cabriolet:

Dimensions:

	All new Volvo C70	Previous generation Volvo C70	BMW 3-Series convertible	Audi A4 cabriolet
Length mm	4580	4716	4488	4573
Width mm	1820	1820	1757	1777
Height mm	1410	1429	1372	1391
Wheelbase mm	2640	2644	2725	2654
Track, front mm	1550	1550	1471	1523
Track, rear mm	1560	1560	1483	1523
Boot capacity, litres (roof up/down)	400/200	223/223	300/260	315/246

The boot lid for the all new Volvo C70 is cleverly designed to open in two opposite directions – either backwards while the roof folding mechanism is operating, or forwards as normal to load luggage.

The C70 offers a generous 400-litre boot capacity with the roof up, or 200-litres with the roof down, while to aid loading and unloading when the roof is stored in the boot, the roof panels can be electronically lifted by 200mm. In addition, a ski-hatch in the rear seat allows longer items to be carried inside the car, plus the front passenger seat also folds forward.

Driving Dynamics

The body structure of the all new Volvo C70 is fully reinforced to compensate for the lack of a fixed roof which not only provides extra safety, but also gives the body very high torsional rigidity that's twice as high as the previous generation Volvo C70 convertible.

more...

The chassis for the all new C70 also helps improve its driving dynamics with a front track of 1550mm (29mm wider than the previous model), and rear track of 1560mm (39mm wider), while the wheelbase is 2640mm (24mm shorter).

Front-wheel drive, MacPherson front suspension, and a Multilink rear axle, combine with a broad track and long wheelbase to make the all new Volvo C70 extremely stable and compliant, with electro-hydraulic steering for improved feel and response.

The engine line-up has also changed with a choice of two, new Volvo petrol engines – a 2.4i and T5 – which are both transversely mounted, in-line, five-cylinder units. These will be followed by a five-cylinder, 180bhp D5 turbo diesel in mid-2006.

The 2.4i is a normally aspirated, long stroke engine with four-valve technology and double overhead camshafts producing 170bhp, 230Nm of torque and CO₂ emissions of 215 g/km.

The T5 engine tops the range for performance with its 2.5-litre low pressure turbo engine offering 220bhp with the added flexibility provided by 320Nm of torque from as low as 1500rpm and CO₂ emissions of 217g/km. The engine offers highly responsive performance across the rev range, with 0-62mph possible in 7.6 seconds.

All new Volvo C70	2.4i	T5
Engine	2435cc, 5 cylinders, 20v, petrol	2521cc, 5 cylinders, 20v, petrol
Power	170bhp	220bhp
Torque	230Nm at 4400rpm	320Nm at 1500rpm
Top speed (mph)	137 manual/134 Geartronic	150 manual/146 Geartronic
0-62mph (seconds)	9.1 manual/10.0 Geartronic	7.6 manual/8.0 Geartronic
CO ₂ emissions (g/km)	215 manual/229 Geartronic	217 manual/234 Geartronic
Insurance group	15P Sport/SE, 16P SE Lux	17P Sport/SE, 18P SE Lux
Transmission	5-speed manual/5-speed G'tronic	6-speed manual/5-speed G'tronic
Combined mpg	31.4 manual/29.4 Geartronic	31.0 manual/28.8 Geartronic
Kerbweight (kg)	1691 manual/1715 Geartronic	1711 manual/1725 Geartronic

Quality and equipment

There are three trim levels for the new Volvo C70: Sport, SE and SE Lux.

Volvo typically offers higher levels of standard equipment compared to its other premium brand rivals, as demonstrated by the comprehensive specification levels of the all new C70.

more...

Sport models include ECC (Electronic Climate Control), 17in polished or 18in alloy wheels, DSTC (Dynamic Stability and Traction Control), cruise control, information centre, power windows, leather sports steering wheel and gear knob with aluminium inserts, steering wheel remote audio controls, aluminium trim, leather/T-Tec sports upholstery, performance sound radio/CD audio system with 6-speakers and 4x20W amplifier, power adjustable and heated door mirrors, and front fog lights.

In addition, SE models also gain a power driver's seat, leather upholstery, autodimming rear view mirror, wood trim and a high performance 6xCD/radio audio system with 8-speakers and 4x40W amplifier.

SE Lux models top the all new C70 range with a premium sound 6xCD/radio audio system with Dolby Pro Logic II Surround Sound™ and 12 Dynaudio® speakers with a total 910 watt output (4x130W + 1x130W amplifier and 2x130W subwoofer), larger 18in alloy wheels, lockable storage areas, power folding door mirrors with ground lights, and power passenger seat.

Volvo is one of the few manufacturers to develop its own sound system and components to suit each car and is introducing a high quality digital amplifier for the all new C70.

DSP (Digital Signal Processing) technology is used to adapt the sound to the design of the car's interior and positioning of the speakers to create a natural sound quality. Volume and tone settings are adjusted according to the car's speed, and when the roof is up or down, to ensure the same sound experience regardless of the conditions. The personal settings menu offers three choices of sound adjustment according to the car's speed: low, medium or high.

Dynaudio® produces speakers for home use and professional studios and, as a result, the Dynaudio® speakers in the all new Volvo C70's Premium Sound system are extremely high quality. The bass drivers are 8in with powerful 3in voice coils and silk dome tweeters – a Dynaudio® speciality that helps produce a cleaner sound. To achieve even deeper, richer bass tones, there is the option of dual 8in subwoofers with class D amplifiers producing 130W each mounted behind the rear seats.

Security

The all new Volvo C70 has also been designed with security in mind, whether the roof is up or down.

Obviously, its retractable hard top offers improved safety compared to other soft-top rivals, while in addition, a new 'Private Locking' function provides valuable extra lockable storage areas beside each seat which are perfect for securing personal items, especially if the car is parked with its roof down.

more...

Every model features an anti-theft alarm including immobiliser and volume sensor as standard, plus Volvo's Home Safe and Approach lighting which will light the headlights for an agreed length of time to illuminate your path from the car, or conveniently turn on the side and interior lights on approaching the car to show it is secure and safe to enter.

Safety

Volvo has developed the all new C70 to be one of the safest convertibles available.

The lack of fixed roof has been compensated for with reinforcements and sophisticated technology, including the world-first of a door mounted inflatable curtain that inflates upwards (instead of being released from the roof as in the rest of the Volvo range). The curtain has an extra stiff construction with double rows of slats to help them remain upright to provide effective head protection, even if the window is down, and deflates slowly in case the car has rolled over during the accident.

In case the car does roll over, the all new Volvo C70 has strong A-pillars hydro-formed in extra strength steel designed to withstand very high forces and also run all the way down to the body sills. To compensate for the lack of permanent B and C-pillars, Volvo has further developed its ROPS (Roll Over Protection System) from the system introduced in the previous generation Volvo C70 convertible. The powerful metal bars that pop up behind the rear seats have been strengthened and react quicker.

Volvo's SIPS (Side Impact Protection System) has also been developed further to compensate for the lack of the usual B-pillar and roof structure that would usually help to absorb any side impact. Instead, engineers at the Volvo Safety Centre have designed five powerful transverse floor members along the car which interact with a system of other reinforcements to channel the impact forces forwards, backwards and downwards to keep the passenger compartment as intact as possible.

The doors are reinforced with a diagonally mounted steel profile to help prevent intrusions into the passenger compartment, while transverse members at the front together with a horseshoe-shaped member behind the rear seats channel forces to opposite sides of the car. Finally, a patented front structure is divided into zones using different strength steel to provide controlled deformation.

The rounded front shape of the car helps reduce the risk of injury to other road users and pedestrians, while the front area around the grille has a soft, energy-absorbing structure to counteract the risk of leg injuries, and the bonnet and front wings are designed to absorb energy and contribute to reducing other injuries.

more...

The all new Volvo C70 also provides effective protection in the event of rear-end collisions. Apart from Volvo's WHIPS (Whiplash Protection System) in the front seats that helps reduce whiplash injuries by moving the seat with the occupant to absorb the forces during the impact, Volvo has also designed rear longitudinal members that deform in a controlled way and are linked to the body sills to distribute forces forwards around the car. The ROPS bars are also pushed upwards during a rear impact to protect any rear passengers from any flying objects from the vehicle behind.

Volvo also has important safety features to help prevent accidents happening in the first place, including DSTC (Dynamic Stability and Traction Control) and ABS brakes with electronic brakeforce distribution and automatic emergency brake assistance (EBA) to maximise the all new Volvo C70's stopping power. Also, IDIS (Intelligent Driver Information System) constantly monitors certain functions within the car, such as steering wheel movement, acceleration, indicators and braking, and at a certain level of activity the system holds back any information that is not crucial to safety (eg. incoming telephone calls if fitted with an integrated phone) so the driver is not unnecessarily distracted, and held until a safer moment.

ends...