

2006 model year

VOLVO XC70

OVERVIEW

In Brief:

- Available in higher SE and SE Lux trim levels.
- Complements the XC90 in Volvo's XC ('Cross Country') range.
- Modern, clean Scandinavian design.
- AWD/SUV design with high ground clearance combined with Volvo estate.
- AWD (All Wheel Drive) with Instant Traction™.
- High Volvo safety standards – fully crash tested in Volvo Safety Centre.
- Choice of powerful engines – '2.5T' 210bhp Petrol or 'D5' 185bhp Diesel.
- Higher specifications compared to most other premium brand rivals.
- Healthier Oeko-Tex standard compliant, emissions-free interiors.
- High Performance or Premium sound audio systems with Dolby Pro Logic Surround Sound™, plus 'digital jukebox' available.

The Volvo XC70 perfectly complements Volvo's XC90 by offering SUV standards of ground clearance (209mm), the extra stability and all-road ability of all-wheel drive, with a lower centre of gravity, in a Volvo estate car.

Produced in Volvo's Torslanda plant in Gothenburg, Sweden, the XC70 echoes the modern Volvo design themes introduced in the S80 and subsequently seen in the XC90 SUV and V50 Sportswagon, but asserts its own identity with its own unique, rugged styling with chunkier bumpers, body-side protection mouldings and larger door mirrors that all suit its 'cross country' (XC) role and status.

Inside, the XC70 is equally well designed with stylish, simple Scandinavian design and ergonomic dashboard, with emissions-free Oeko-tex standard materials, room for five adults – with the option of two additional rear-facing seats in the load area – and the flexibility of estate car practicality for large loads.

Generous standard specifications, including leather upholstery, alloy wheels, alarm with immobiliser, and a superior audio system with an in-dash six CD autochanger and Dolby Pro Logic II Surround Sound™, prove its premium status.

The engine line-up consists of two of Volvo's smooth, five-cylinder units – a choice of turbocharged petrol and diesel engines – both offering refined performance with the flexibility provided by generous low-end torque.

In Full:

- Complements the XC90 in Volvo's XC ('Cross Country') range
- SUV-style ground clearance (209mm) and AWD with electronic Haldex coupling, with practicality of a Volvo estate
- AWD/SUV design with high ground clearance combined with Volvo estate.
- AWD (All Wheel Drive) with Instant Traction™.
- Smart, modern Scandinavian design
- Oeko-tex standard emissions-free interior, with versatile, flat load area
- High Volvo safety levels with SIPS, IC, WHIPS and DSTC standard, and WRG
- Fully crash tested in Volvo Safety Centre
- Turbocharged 2.5T, 210bhp petrol and D5, 185bhp diesel engines available
- Volvo's active 'Four-C' chassis now available, with Comfort and Sport settings
- Generous standard specifications, with higher SE and SE Lux trim levels
- Outsells the Audi Allroad.
- 36,229 XC70 produced in Volvo's Torslanda plant in Gothenburg, Sweden in 2004, of which 1,575 were sold in the UK.

When Volvo launched the original V70 XC ('Cross Country') in 1997, it was a new breed of car. Here was a vehicle that combined the luxury and dynamics of an estate car with the versatility of All Wheel Drive and the extra ground clearance that can handle rough terrain.

Volvo had developed an understanding of how people actually use their vehicles and developed a genuinely new alternative to a traditional SUV (Sports Utility Vehicle).

The 'XC' concept proved a great success and found favour with customers across the world – particularly in the US market which sold the most XC70s in 2004 (16,071 against total global XC70 sales of 35,876). Now known simply as the Volvo XC70, it complements the Volvo XC90 in the XC ('cross country') range.

The Volvo XC70 was never intended to rival the mud-plugging ability of dedicated off-roaders, but it's surprisingly capable and can comfortably traverse muddy fields or dirt tracks.

Design Concept

The styling, while based on the Volvo V70 estate, asserts its own identity with a rugged look that suits its cross country role and status. The front and rear feature chunkier bumpers, unique colour co-ordinated side mouldings with flared wheel arches. To complete the effect and to protect the bodywork on rough terrain, skid plates are fitted to the front and rear bumpers, and are complemented by bespoke alloy wheels and chunkier roof rails.

With the modern Volvo design cues of a V-shaped bonnet, and prominent, curved shoulders, the XC70 is still instantly recognisable as a Volvo. It also has the practicality of the V70's square-shaped rear and vertical tailgate to provide a spacious, well-shaped load area.

The increased ride height enhances the Volvo XC70's stance and all-road appeal. It has a ground clearance of 209mm, which is 69mm more than a Volvo V70 and comparable with many SUVs, including the XC90 which has 218mm ground clearance. Coupled with All Wheel Drive (AWD) with Instant Traction™, using the latest, electronic Haldex coupling, and chunky Pirelli Scorpion STR tyres, it provides the Volvo with real all-terrain ability.

The interior of the Volvo XC70 uses classic, minimalist Scandinavian style to provide an efficient, ergonomic dashboard, grab handle on the centre console for rough conditions, comfortable seats with unique, sailing-inspired visible stitching, and split-folding (60/40) rear seats with head restraints that fold away instead of having to be removed, to quickly and simply provide a flat loadspace. In addition, the front passenger seat folds forward to help accommodate longer loads, and an optional rear-facing seat is available for an extra two passengers.

The rear seat also has two positions to allow flexibility to maximise load or passenger space, and can be specified with integrated child booster cushions, and to split 40/20/40, if preferred, to allow long loads to be carried between rear passengers or swap the centre section for an optional cooler or storage box.

Driving Dynamics

There are two, turbocharged five-cylinder engines to choose from for the XC70, both of which offer plenty of performance and refinement – a 210bhp, 2.5T petrol and the new D5, 185bhp (Euro IV) diesel.

Engine	2.5T	D5 (Euro IV)
Type	2521cc transverse 5 cyl/20v turbo	2401cc transverse 5 cyl/20v turbo
Fuel	Petrol	Diesel
Power	210 bhp	185 bhp
Torque (Nm at rpm)	320 Nm at 1,500 - 4,500 rpm	400 Nm at 2,000 – 2,750 rpm
0-62mph (manual/Geartronic)	8.1 manual 8.5 geartronic	9.5 manual 10.0 geartronic
Top speed (manual/Geartronic)	130 manual 130 geartronic	130 manual 127 geartronic
CO2 (g/km)	244 manual 266 geartronic	201 manual 224 geartronic
MPG (manual/Geartronic)		
Urban	20.0/18.1	27.7/25.2
Extra urban	35.8/33.2	46.3/40.9
Combined	27.7/25.4	37.2/33.2

The 2.5T petrol engine, available with five-speed manual or Geartronic transmissions, uses a light pressure turbo to provide stirring performance – 0-62mph takes 8.1sec – with good mid-range torque of 320Nm from as low as 1500 rpm up to 4500rpm, and emissions of 244 g/km.

Strong mid-range urge and refinement are also some of the characteristics of Volvo's new D5 common rail turbodiesel introduced with the 2006 models, offering 185bhp with massive torque of 400Nm from 2,000rpm, following extensive modifications to enhance power delivery, refinement, performance and emissions compared to the original D5.

The D5 is now fitted with a diesel particulate filter with oxidising coating as standard, with six-speed manual transmission as standards, or Volvo's new (optional) six-speed Geartronic, plus the latest common rail direct injection technology to combine generous amounts of torque.

With the standard six-speed manual gearbox, the XC70 D5 achieves an average of 37.2mpg on the official Combined cycle, with emissions of 201g/km

The XC70 combines its off-road abilities with on-road dynamics derived from the acclaimed Volvo V70 estate. The MacPherson strut front suspension and multi-link rear provide a cushioning ride with entertaining, failsafe handling.

Volvo's advanced, active 'Four-C' (Continuously Controlled Chassis Concept) was recently introduced as part of the dynamic revisions for the 2005 models.

With a choice of two settings: Sport and Comfort, the advanced 'Four-C' technology continuously analyses huge amounts of information up to 500 times a second and responds instantly by adjusting each of the shock absorbers individually to suit road and driving conditions. It also interacts with the DSTC (Dynamic Stability and Traction Control) – the engine, brakes, steering and other functions – to maximise the car's response and handling. This all happens quickly and smoothly, and will step in to help control the car in an emergency situation no matter which chassis mode is currently selected.

Quality and Equipment

To reflect their higher standard specifications, the XC70 is available with SE or SE Lux trim levels.

The SE model includes a minimum of:

- Alloy wheels.
- Leather upholstery.
- Electronic climate control with Air Quality System and pollen filter.
- Alarm and immobiliser.
- DSTC (Dynamic Stability and Traction Control).
- Electric driver's seat and folding door mirrors with water repellent glass.
- Load compensating suspension.
- High-Performance audio system with six CD in-dash autochanger and Dolby Pro-Logic II with surround sound™, nine speakers and 4 x 50W amplifier.

Additional items for the SE Lux include:

- Active Four-C chassis system.
- Walnut wood (or aluminium mesh, or black mesh) dashboard and door inlays.
- Bi-Xenon headlights with cleaning system.
- Heated and electrically adjustable front seats.
- Premium sound system with 4x75w amplifier and 11 speakers.

For further style and desirability, a comprehensive range of optional items includes Bi-Xenon headlights, heated seats, integrated telephone and Volvo's RTI satellite navigation system that now features RDS-TMC (Traffic Message Channel) that highlights traffic problems ahead and can even re-route the driver, if required.

Safety

As you'd expect from Volvo, the XC70 is packed with the latest safety features. Volvo's acclaimed SIPS (Side Impact Protection System) and WHIPS (Whiplash Protection System) are complemented by side airbags, twin front 'intelligent' airbags, an Inflatable Curtain (IC) that protects front and rear passengers, and three-point safety belts with pre-tensioners and head restraints for all five occupants.

More recently, to improve the driver's visibility and help prevent accidents, Volvo has introduced water repellent glass (WRG) for door mirrors and (laminated) side windows (optional).

Environment

Volvo's 'clean inside and out' environmental programme reflects its continuing commitment to the environment. Its plants are some of the automotive world's cleanest factories, 85 per cent of each car can be recycled, and every new Volvo is backed by an Environmental Product Information (EPI), which is available at www.volvocars.com/epi. In addition, Volvo's annual Corporate Citizenship report is available on www.volvocars.com/citizenship.

Like all Volvos, the XC70's interior is free from allergy inducing emissions, and an active carbon filter ensures dust and exhaust particles do not enter the cabin, while an Air Quality System (AQS) shuts down the air input if outside air is too dirty.

All Volvo's five cylinder engines feature Volvo's PremAir® - a special catalytic coating on the radiator which converts up to 75 per cent of the harmful ground-level ozone passing through it into pure oxygen. In addition, they already meet the stringent EU 2005 and America's ULEV (Ultra Low Emission Vehicle) emissions requirements.