

# VOLVO XC90



Is there a bigger word for luxury?



The Volvo XC90.



This is taking luxury to a new altitude—and still having firm contact with the essentials. Empowering seating position. Sovereign hide interior. Premium Sound music system. Masterful V8. Innovative safety. It's amazing how smoothly all this fits into everyday life. It's no wonder the Volvo XC90 is one of the planet's most awarded\* SUV's. Because whether the road of life is a highway or a dirt road known by a few, this powerful, yet conscientious, Scandinavian will take you places in style.



\* The Volvo XC90 has received more than 50 international awards for its safety, design, versatility and environmental care.







You'll have a bird's-eye perspective from your Volvo XC90, whether it's a panorama of the town from your favourite vantage point or the unobstructed view over traffic from the driver's seat.



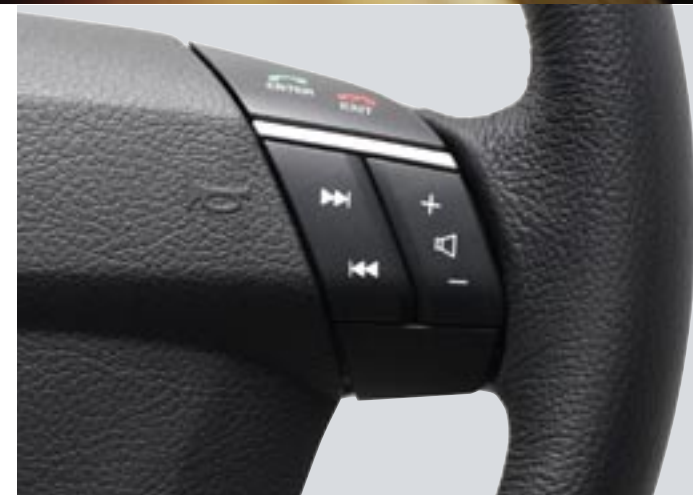
Smart is beautiful.

#### **Integrated GSM phone**

For minimum distraction, the integrated phone allows you to make calls from your pre-programmed telephone book using steering-wheel integrated controls. You can also read and send SMS text messages when the vehicle is at standstill.

#### **Road and Traffic Information (RTI)**

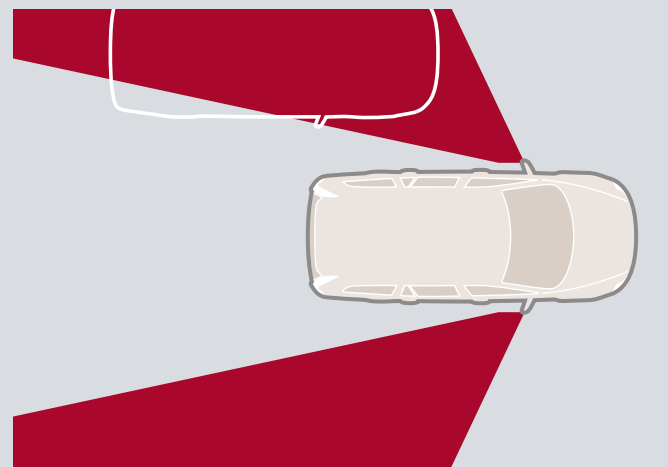
Voice guidance and graphic navigation all the way to your chosen destination. Via TMC (Traffic Message Channel) radio data broadcasts, RTI also lets you know if there's trouble on route and recommends an alternative. Fast acting and precise, this new generation RTI features a hard disc drive covering maps for major parts of Europe. The system is integrated in the dashboard and is easily controlled from the steering wheel. You can choose between two operating modes—Easy and Advanced. When RTI is not needed, the screen retracts into the dash.







Enjoy the clean, elemental Scandinavian design, controls with the right feel in all the right places and materials selected and crafted to soothe your senses. Seats that cradle your body and relax your mind. Unwind, surrounded by elegant, uncluttered functionality—whether it's for five minutes or the next five hours.



#### **Blind Spot Information System (BLIS)**

BLIS is particularly reassuring in congested traffic situations. Using rear-facing digital cameras installed in the door mirrors, it monitors the traffic on either side of the car. As a vehicle enters your blind spot, the system alerts you with a lamp built in to the front door post—on the relevant side of the car. Together with the door mirrors, this enables you to quickly assess the feasibility of a lane change. The system is activated once the car exceeds 10 km/h, and reacts to almost any type of motor vehicle. It works equally well, day or night.





#### **Air control**

Electronic Climate Control (ECC) keeps the temperature constant and separate settings can be made for each side of the cabin. This helps keep the driver alert and the passengers relaxed. The Interior Air Quality System (IAQS) ensures that the air you breathe is as clean as possible. It continuously monitors incoming air for certain unhealthy gases. If necessary, IAQS will close the external air vents. It also features an active charcoal filter that removes various unpleasant odours and fumes from incoming air. For passengers in the third row, a separate air conditioning unit can be fitted.

## The perfect place is more than a state of mind.

Entering the comfort zone of the Volvo XC90, you'll be surrounded by fine craftsmanship and intuitive consideration. Each seat is an independent sphere of superior comfort and safety. Everybody can enjoy an airy feel and elevated views, courtesy of a spacious interior and cinema-style seating. The Sovereign hide interior is supremely supple to the touch. For your ears, music comes alive with 12 Dynaudio loudspeakers and Dolby® surround sound. To add some more magic for those in the back, there's an integrated Rear Seat Entertainment system.



Wherever you're seated in the Volvo XC90, careful attention has been given to your well-being. Some of the details are immediately obvious, while you'll appreciate others several hours later when you reach your destination, fresh and relaxed. Because in a Volvo, design is not merely a matter of superficial styling—for us, beauty is also a matter of being functional and easy to use. No unnecessary complications, just clean and uncluttered Scandinavian design.



#### **Rear Seat Entertainment (RSE) dual screen**

With Volvo RSE dual screen, the rear seat passengers can watch a DVD film or play a game—together or separately. Two 7-inch wide-screen displays are integrated in the front seat head restraints and provide excellent image quality. Wireless headphones keep things calm in the cabin and you can listen to the music or program of your choice. The RSE system is an integrated part of the car and matches the interior perfectly. It's even crash-tested in Volvo Car Safety Centre so we know it meets our demands. RSE dual screen is not available with Marstrand upholstery.



#### **Front seat convenience**

The centre armrest conceals a host of conveniences. Fold back the upper section to reveal a handy storage space for CDs, sunglasses and other small items. It also provides rear seat passengers with a convenient table. Double cup holders in the front of the armrest ensure that refreshments are always easy to reach. These cup holders can be concealed when not in use. For small items, there are also handy pockets in the front edge of both front seats.



#### **Second row amenities**

Pampered by thoughtful details, rear-seat passengers will be almost as happy as the driver—even on long journeys. Retractable cup holders are easily accessed, and bottles can be conveniently stored in the doors panels.

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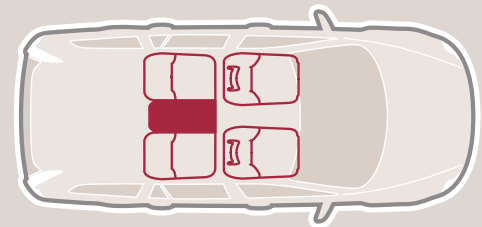
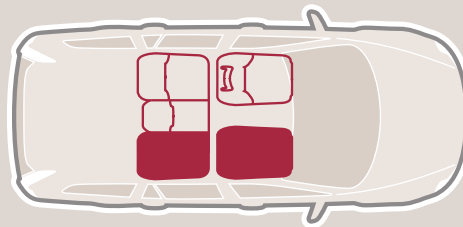
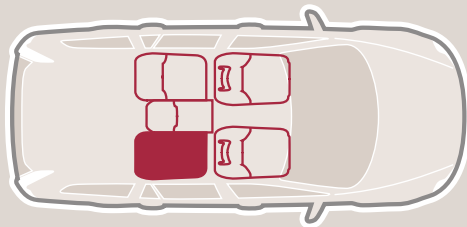
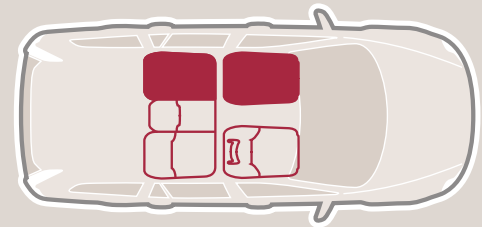
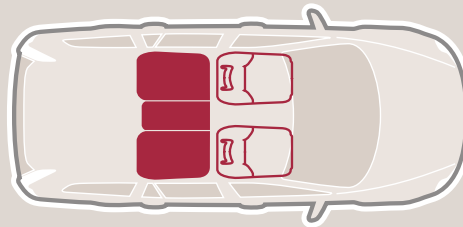
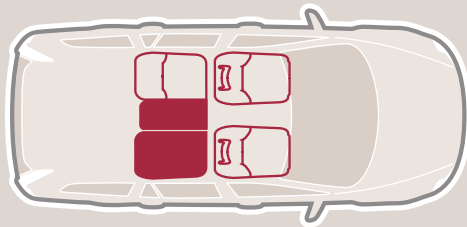
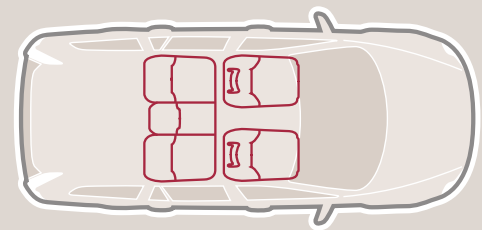
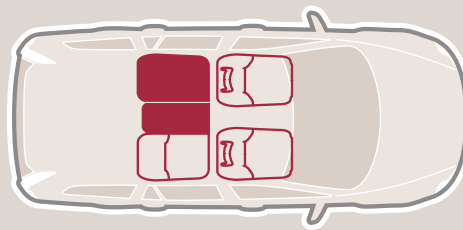
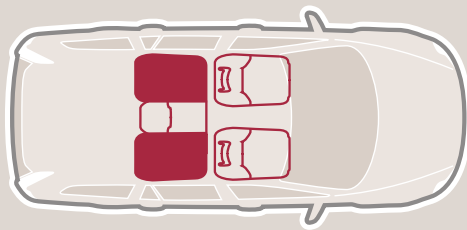
MADISON





## Some flexibility can make the day.

No matter what you transport in your Volvo XC90, its nearly unlimited flexibility will accommodate just about anything you care bring onboard. Up to five people travel comfortably – with space left over for gear. To further adapt the interior to your lifestyle, there are several ways to configure the seating to suit your needs. Each passenger seat can be easily folded flush with the floor. Loading is easy—just open the liftgate section of the split tailgate for loading light objects, or let both sections open wide for heavy-duty hauling.







The Volvo XC90 is as at home on city streets as it is on the open road. In addition to its natural agility, sensors in the front and rear bumpers can help solve some of your parking problems by alerting you to any objects close-by when you're pulling into a tight space.





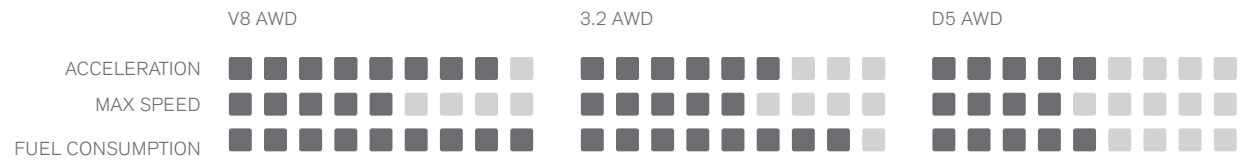
Power guided by wisdom is power respected.



**Fuel efficiency**

Advanced engine technology and aerodynamics help keep down fuel consumption and carbon dioxide emissions—a main contributor to global warming. Volvo's high-performance turbodiesel with particle filter is the most fuel-efficient option with its 8.2 litres/100 km. Of course, all Volvo engines comply with stringent international environmental requirements.

Wherever your day takes you, the Volvo XC90 provides refined engine performance and efficiency to make every drive something special. The formidable V8 combines breathtaking power with the wisdom of world-class environmental respect—in fact, it's the world's first Ultra-Low Emission Vehicle II (ULEV II) compliant eight-cylinder engine. An all-new six-cylinder powerplant offers smooth, responsive acceleration for a relaxed yet exhilarating drive. And the new generation D5 turbodiesel brings together the pep of a petrol engine with low fuel consumption and advanced emission controls, including a super-efficient particle filter. What's more, the engines' ultra-compact design allows increased space for deformation zones—an integral part of Volvo's collision safety precautions.



Unexpected turns  
require good instincts.





The Volvo XC90's sense of composure is part of its breeding. It's based on a solid chassis and a body built to handle the forces exerted by an active drive. A low centre of gravity, even weight distribution, multi-link rear axle, wide wheelbase and high ground clearance add to its sure-footed road holding. Precise, smooth-shifting gearboxes and features like All-Wheel Drive with Instant Traction™ result in consummate handling, stability, and unsurpassed riding comfort.



#### Transmission

The six-speed Geartronic gearbox deftly combines the convenience of an automatic with the sportiness of a manual. Leave it in automatic mode for carefree driving, or simply move the lever to manual mode to handle gear changing yourself. The sixth gear is an overdrive, providing relaxing and fuel-efficient motorway driving. Additionally, the special winter setting makes it easier to take off and maintain grip on slippery surfaces.



#### ABS brakes with EBA

The anti-lock brakes are designed for optimal performance even during repetitive and intensive use. You can brake hard while steering clear of trouble. Emergency Brake Assistance (EBA) detects an attempted emergency braking and, when necessary, provides added assistance to bring the car to stop in the shortest possible distance.

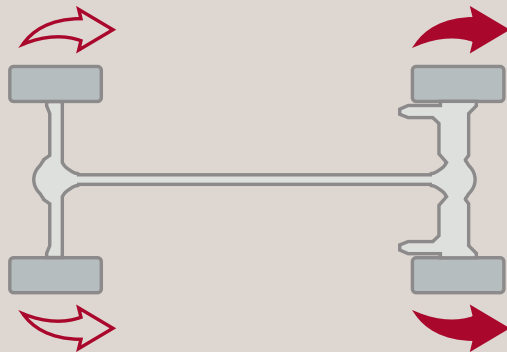
#### Speed dependant steering

The optional speed-dependant power steering servo makes steering at low speeds effortless. Parking in small spaces is a case in point. At higher speeds, servo assistance reduces accordingly to help provide a suitable level of road-feel and steering sensitivity.



#### AWD with Instant Traction™

Volvo's pre-charged, electronically controlled all-wheel drive system—AWD with Instant Traction™—means greater agility. The difference is noticeable from the second you take off—constant hydraulic pressure ensures that power is promptly distributed to the wheels with the best traction. Wheel spin is minimised to provide immediate acceleration and reassuring stability in slippery conditions. When cruising on straight and dry roads, the front wheels receive up to 95% of the power for optimum stability and fuel economy. But, during quick acceleration or in a sharp bend, up to 50% of the power instantly goes to the rear wheels—depending on what's needed to achieve maximum stability and grip. The immediate response of the AWD system allows under-steering and over-steering tendencies to be compensated with exceptional precision, giving a feeling of total control and driving pleasure.



Every journey deserves its own soundtrack.  
Every passenger deserves to hear it completely.

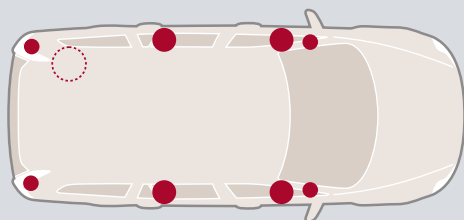
#### **Dynaudio loudspeakers**

The Premium Sound system employs twelve Dynaudio loudspeakers. These include three separate drivers—woofer, midrange and tweeter—in each front door, a coaxial woofer/tweeter in each rear door and a tweeter in each rear pillar. Each loudspeaker has an independent crossover filter to harmonise with the others. To power them, the 5x130 watt digital Class D amplifier features new technology enabling it to generate the most audio power from the least amount of current.

**DYNAUDIO**  
PREFERENTIAL TECHNOLOGY



Symbolic of our approach to music, the new Premium Sound system sets a benchmark in car audio with new generation surround sound. Together, acoustic engineers at Volvo and Dolby have developed Dolby® Pro Logic® II to make the listening experience just as life-like at each and every seat of the spacious SUV. To power the system, a new digital Class D amplifier delivers a pure and plentiful sound directed via the loudspeakers. Which brings us to Dynaudio, our Danish colleagues who designed and built the system's 12 loudspeakers. Known mostly by professionals, Dynaudio makes monitors for top recording studios around the globe. The end result? The Volvo XC90 sounds monumental. But then again, we have been developing car audio for a few decades.

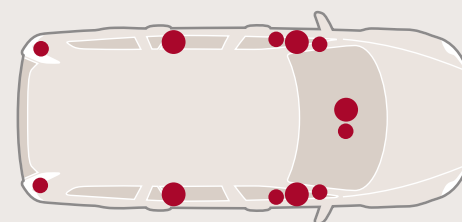


#### High Performance

A powerfully versatile system. Each loudspeaker is fitted with a more powerful magnet and a larger coil. Coupled to the High Performance amplifier, this system provides superb transient reproduction, high power durability and low distortion for a superb listening experience. High Performance includes:

- RDS radio
- MP3 and WMA compatible CD player
- 4x40 W High Performance amplifier
- 8 High Performance loudspeakers
- AUX input
- Steering wheel integrated controls
- 6-CD changer (replaces the CD player)

Options: separate remote control, an iPod®/USB Music Interface\*, an active 140 W subwoofer, and rear headphone connectors.



#### Premium Sound with Dynaudio loudspeakers

The Premium Sound system is in a class of its own. The digital Class D amplifier generates 5x130 watts of music. Dolby® Pro Logic® II surround sound recreates a sound that's equally authentic at each seating position. There are 12 high-end loudspeakers specially developed by the Danish specialist, Dynaudio—for the Volvo XC90 and a true concert hall experience. The Premium Sound system includes:

- RDS radio
- MP3 and WMA compatible CD player
- 5x130 W digital Class D amplifier
- 12 Premium Sound loudspeakers by Dynaudio
- Dolby® Pro Logic® II surround sound with centre loudspeaker and digital sound processor
- AUX input
- Steering wheel integrated controls
- 6-CD changer (replaces the CD player)

Options: separate remote control, an iPod®/USB Music Interface\*, and rear headphone connectors.







#### **Subwoofer**

If you like to feel the bass tones pulsing through your body, the 8-inch subwoofer with a built-in 140 W amplifier provides superb reproduction of the deep register at all volumes. It's placed behind the load compartment's left cover panel.

#### **Rear headphone connectors**

Allow rear-seat passengers to listen to the radio or their favourite CD, at the same time, without disturbing other occupants. With separate controls for headphone volume and audio source. Also features controls for changing tracks or switching radio stations.

#### **Integrated 6-CD changer with MP3 compatibility**

In place of the standard CD player, this CD-changer is integrated in the centre console. It's conveniently controlled via the radio panel or the steering wheel keypad and you can easily select one of up to six CDs while driving. You can also play CDs with MP3 and WMA music files.

#### **MP3 compatibility**

There are a number of ways to enjoy MP3 music files in your Volvo XC90. If you'd like to connect your personal MP3 player to the audio system, there's a standard auxiliary audio input between the front seats. Volume is conveniently controlled from the steering wheel, centre console and rear headphone connectors. And choosing the High Performance or Premium Sound audio system, the CD player is playback compatible with both MP3 and WMA music files. And to fully integrate your iPod® and a separate USB device with the vehicle's audio system, you can fit an iPod®/USB Music Interface\* in the front central armrest or glove compartment. Playlists, songs and artists are clearly displayed in the centre stack, while your MP3 player will be charged at the same time.

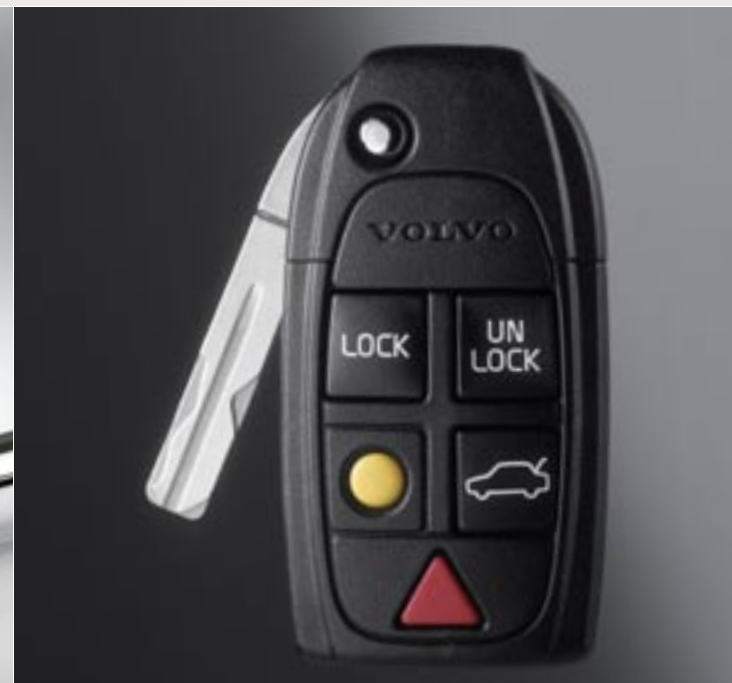
\*Accessory available later in 2007.  
iPod is a trademark of Apple Computer Inc

When the day is done,  
a little consideration goes a long way.





The Volvo XC90 doesn't stop being considerate just because you've switched off the ignition. Lighting to guide you to and from the vehicle at night is also part of the package. Ground lighting in the side mirrors helps you mind your step. Robust door locks, an electronic immobiliser and laminated side windows are three good reasons for a potential thief to look elsewhere. Pressing the remote's panic button in a threatening situation is a real attention-getter.



#### **Approach and Home Safe lighting**

On the way to and from your car at night, Approach and Home Safe lighting enable you to light up the vehicle and its immediate surroundings using your remote control. And with ground lighting in the door mirrors, this extends the pool of light around the vehicle.

#### **Alarm**

Connected to the doors, bonnet and tailgate, the alarm even reacts to movement inside the vehicle and if a window is broken. Should you encounter an emergency situation on your way to or from the vehicle, the alarm can be activated from your hand-held remote control.

#### **Laminated side windows**

Laminated side windows turn an attempted smash-and-grab into a waste of time. Harder to break, they also insulate the cabin from more road noise, increasing sound comfort levels.

#### **Remote-controlled central locking**

A touch of a button and you lock or unlock the doors and tailgate. You can also unlock the tailgate separately. All doors can be automatically locked the moment you drive away. Alternatively, lock them immediately using the button in the centre console.

# ⊕ This is where life starts.



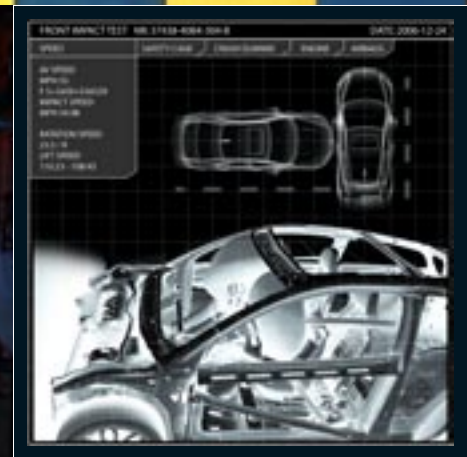
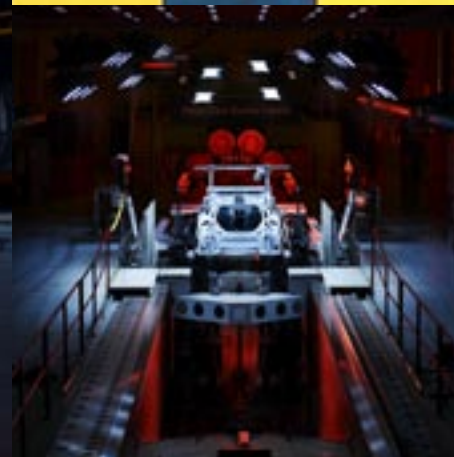
"Safety is our promise. People trust us, and that's a big responsibility. This is what we think about daily when we make our safety decisions. We have to maintain this trust—not only with words, but also with actions. That's also why the safety in a Volvo always begins and ends in a real life situation."

Ingrid Skogsmo, Director Volvo Car Safety Centre

Inaugurated in 2000, the Volvo Cars Safety Centre in Göteborg is the world's most advanced crash laboratory. Here, the purpose is to imitate traffic situations and crashes as they happen in real-life. We recreate crashes with all kinds of vehicles and road obstacles at almost every angle and at speeds of up to 120 km/h. We perform realistic roll-over tests and test cars off-road as well as against genuine Swedish granite rock-face—we can even simulate impacts with wild animals such as a 500 kg Swedish

elk. Of course, these crash tests also incorporate advanced crash test dummies representing a wide range of sizes and ages—from infants to full-grown adults. Every crash is thoroughly documented using high-speed cameras and broken down into fragments of thousands of seconds. We even store crashed cars for a period for future reference. In addition to countless computer simulations, we conduct over 400 full-scale crash tests each year. Many of these tests are based on what our Accident





Research Team discovers at the scene of a real accident. Since 1970, our researchers have investigated over 36,000 such accidents. This gives us the unique ability to learn what works in real life and what doesn't —knowledge that helps us improve, innovate and help save lives.

#### Life-saving knowledge

Many of the safety features found in a Volvo are based on the findings from the Volvo Accident Research Team. A few recent examples are the collapsible steering column, the energy-absorbing frontal structure, Volvo's child safety equipment, the Side-Impact Protection System (SIPS) and the Whiplash Protection System (WHIPS).

#### Recreating reality into its smallest details

Advanced crash simulations are an important means to make realistic crash tests of separate components and interior safety systems. Our crash sleigh can recreate the exact movement the car makes the moment of collision, which is unique in the car world. This tipping affects the way occupants are restrained and can normally only be analysed through expensive full-scale crash tests.

#### Virtual crash tests

Super-computers make it possible for us to recreate and analyse different crash situations six times a day without crashing real cars. We have the technology to test new cars virtually even before they exist as prototypes and we can incorporate extremely detailed virtual crash test dummies—we've even developed the world's first pregnant crash test dummy. This makes full-scale testing very effective and enables us to focus our resources where they are most useful.



# ⊕ This is living it.



Sweden. Other car manufacturers come here for final car testing under harsh and capricious conditions. For us it's home. This is where we live and drive, 365 days a year. So it's no wonder Volvos are in a category of their own when it comes to active safety. Take, for example, our own proving ground Hållered with its 55 km of test tracks—including different road types from all over the world. This is the top-secret facility where we

scrutinise our cars' ability to support their drivers in all imaginable—and unimaginable—situations. On tracks that aim to reveal any weak spots, we expose all new Volvo models to extreme forces and conditions during thousands of test kilometres—not to mention the distances driven on ordinary Swedish roads. This is where innovation confronts reality. This is also where we evaluate the interaction between the car and the driver

because the most important safety feature in a Volvo is the driver. The more efficient the car's onboard systems support you, the safer it is for you and your passengers.



#### **VOLVO'S ROLL STABILITY CONTROL.**

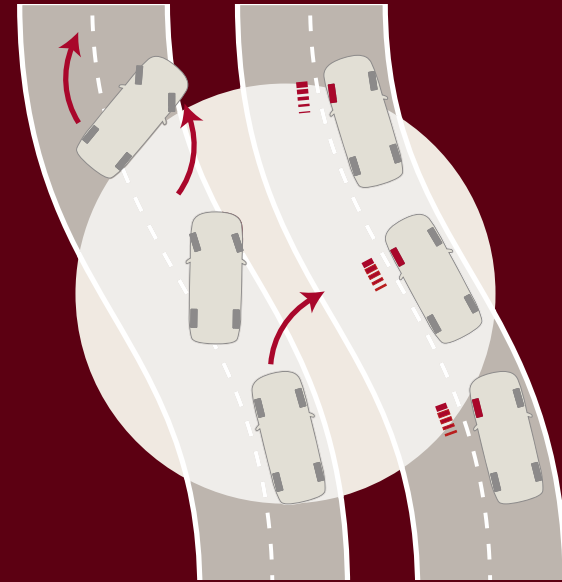
##### **A HIGH POSITION ON SAFETY TO HELP KEEP YOU ON TRACK.**

When designing the first Volvo SUV, innovative thinking made it one of the safest on the road. Unlike many other SUVs, the Volvo XC90 is built on the chassis of an agile passenger car. This, together with a comparatively low centre of gravity and all-wheel drive traction, makes the Volvo XC90 a supremely stable and entertaining drive.

Adding to safety and driving pleasure, Dynamic Stability and Traction Control (DSTC) interacts with the vehicle's other systems such as steering, brakes and engine management to help you maintain control in challenging

situations. In the event of an emergency manoeuvre, Volvo's Roll Stability Control (RSC) can step in to help prevent the vehicle from rolling over. A gyroscopic sensor registers the vehicle's lean angle and rollover risk. If required, the RSC system will cut engine power or brake one or more of the wheels just enough to reduce the centrifugal force and help regain balance.

But please note, not even advanced technology can overcome the laws of physics. It is still possible to lose control of this vehicle by driving inappropriately for the conditions. So please drive cautiously.



#### **Dynamic Stability and Traction Control (DSTC)**

By helping to prevent fishtails and spinouts, stability control technology like DSTC may be second only to safety belts in helping protect drivers and passengers. DSTC enhances driving stability in slippery situations by comparing the rotation of the drive wheels and—if needed—varying the power supply. The system will also help to counteract a skid by reducing the engine's power output or braking one or more wheels. It can be set to allow a certain degree of wheel spin to provide better traction in snowy conditions.

#### **Double your illumination—twice**

Designed in a country characterised by cold and darkness for several months a year, the headlamps in a Volvo XC90 combine separate reflectors to provide even and effective illumination in all conditions.



# ⊕ Designed for life.



**IN A FRONTAL COLLISION** the generous deformation zones will yield in a controlled way to help absorb crash energy before it reaches the cabin. The transversely mounted and very compact engine enables optimal use of the deformation zones to help protect occupants. The occupants have a high seating position and are surrounded by an extremely sturdy safety cage, helping maintain passenger compartment integrity. Longitudinal steel struts help disperse crash energy away from the front to the rear of the vehicle, further helping to reduce the strain on the occupants.

Inside the vehicle, occupant protection is increased by optimising the functions of all safety restraint systems. The safety belts with pre-tensioners on all seats and force limiters on the front seats interact with other safety features—such as the deformable steering column and dual-stage adaptive airbags—to help keep the occupants out of harm's way.

The interior is designed to help absorb as much crash energy as possible.



"To me, safety is beautiful. Every detail in a Volvo—from the interior ergonomics and the fantastic seats, to the body's powerful shoulders and softly rounded front—are there for safety reasons. This is functionality that goes hand in hand with distinctive design and it sure looks good."

Steve Mattin, Design Director, Volvo Car Corporation

It is the interaction between the different safety systems that determines how safe a car is. Not the number of safety features itself. First, the driver must have the right conditions behind the wheel. Seats, instruments, controls, visibility, and lighting—all contribute to safety when they interact to support the driver. Then there's how the car behaves on the road. The way the chassis interacts with brakes, steering and different stability enhancing systems not only determines how fun the car is to

drive—this is also crucial to help the driver maintain control in challenging situations. Finally, if an accident can't be avoided, you and your passengers are surrounded by a wealth of interacting protective systems. Hopefully you'll never have to experience them in action, but it can be reassuring to know they're there to help protect you.



**IN A ROLL-OVER** the Roll-Over Protection System (ROPS) is activated by a gyroscopic sensor. The safety belt pretensioners are activated at all seats to help keep occupants more securely restrained. At the same time, the Inflatable Curtain (IC) deploys to help protect the heads of the occupants. IC remains inflated for several seconds to help provide extended protection in all rows of seats and help keep the occupants inside the cabin, regardless of whether the windows are up or down. To help keep the passenger compartment intact despite severe external forces, door pillars and strategic parts of the roof structure is reinforced in ultra high-strength steel. The energy-absorbing interior helps provide additional protection.



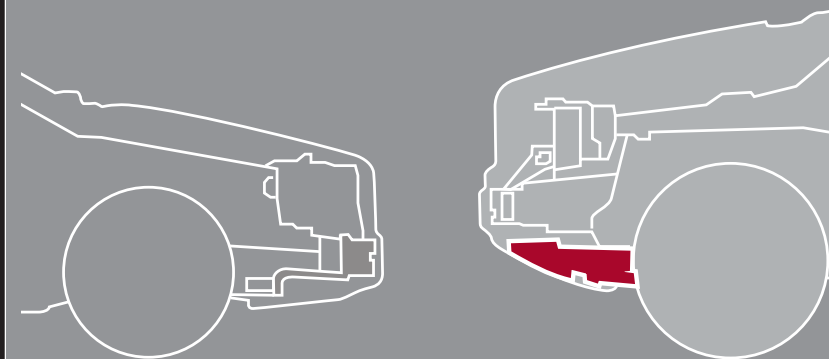
**IN A REAR IMPACT** the rear deformation zones will help absorb as much as possible of the crash energy before it reaches the cabin. The fuel tank is designed to remain well protected in front of the rear axle. Also the exhaust system and spare wheel are designed to have no effect on energy absorption.

Inside the cabin, the head restraints not only help protect the neck and spine, but also help protect the head from shattering glass. Integrated in the front seats, Volvo's unique Whiplash Protection System (WHIPS) cradles the spine and neck in a controlled manner. The system is activated by a collision of sufficient force from behind. Independent research has shown that WHIPS is one of the most effective in the world. Since its introduction in 1998, it has helped reduce long-term consequences of accidents by more than 50%.

#### Protection systems for other road-users

Safety in the Volvo XC90 also encompasses other road-users. An additional lower cross-member at the front is positioned to help activate the other car's own safety systems. The front structure and bonnet are designed to help reduce the risk of injury to unprotected road-users—the bonnet is designed to help reduce the effect of an impact, thereby helping to reduce the risk of serious injuries.

**IN A SIDE IMPACT** the high seating position can help contribute to occupant protection. To help protect all occupants in a side impact, the door and side structure in the Volvo XC90 is built up of a complex framework of high-strength and ultra high-strength steel struts, and in the front seats, you'll find strong, rigid side-impact tubes. These transfer the loads from the side of the vehicle into the centre of the vehicle, where a steel box is deformed. The side airbags in the front seats help protect the occupants chest and hip, irrespective of seating position. The Inflatable Curtain (IC) adds protection for the heads of the occupants, IC also helps keep the occupants inside the vehicle, both in the front and rear.





### **Standard 3.2L 6 cylinder Petrol and D5 Diesel**

Airbag, passenger side  
Aluminium wheels 17"  
Audio controls in steering wheel  
Auto dimming mirror  
Color coordinated wheel arches  
Cruise control  
Cup holders, tunnel console  
Dynamic Stability and Traction Control (DSTC)  
Electronic Climate Control (ECC)  
Emergency Brake Assist (EBA)  
Floor mats  
Fog lights in front spoiler  
Grocery bag holder  
Ground lighting  
Headlamp washers  
High performance audio package  
Illuminated vanity mirrors, driver and passenger  
Inflatable Curtain (IC)  
Interior Air Quality System (IAQS)  
Leather upholstery  
Leather-clad gear knob  
Leather-clad steering wheel  
Load protection net  
Loadcover  
Memory for rear view mirrors  
Outside temperature gauge  
Power seat, driver and manual height adjustable, passenger seat  
Power windows front and rear  
Rain sensor  
Real wood inlays  
Remote control central locking  
Retractable rear view mirrors  
Roof rails  
Side Impact Protection System (SIPS)  
Sovereign Hide Soft Leather upholstery  
Steering wheel in height and reach adjustable  
Trip computer  
Whiplash Protection System (WHIPS)



### **V8**

Aluminium roof rails  
Aluminium wheels 18"  
Heated front seats  
Integrated coolerbox  
Power seat driver and passenger, memory for driver seat  
Premium Sound with Dynaudio loudspeakers  
Rear seat entertainment, DVD player with two 7 inch wide screens  
Watch dial instrument cluster

[www.volvocars.com](http://www.volvocars.com)





# Style guide.

Crafted according to your requirements, the interior of the Volvo XC90 can take on any number of personalities. Choose between various upholstery colours and materials and a host of specially designed options.



## **Sovereign Hide**

In a class of its own, this all-new full-leather upholstery is made from the finest Scottish hide. It's thick, soft to touch and has an exquisite natural grain. Trims in perforated leather and colour-coordinated seams add to the exclusive feeling, perfectly harmonising with the sophisticated character of the Volvo XC90.



## **Leather**

This is a hide quality that's comfortable, durable and has a coarse grain pattern. Like all Volvo leather, it's organically tanned and ages beautifully.



## **Marstrand textile/vinyl**

This rugged yet elegant upholstery combines two materials. The fabric running through the centre panels is rich in contrast and comfort, while the leather imitation vinyl on the outer panels is smooth and highly practical.



#### **Testing of materials for harmful substances**

Making life more comfortable for people with allergies or asthma, our upholsteries and interior textiles comply with the Oeko-Tex Standard 100—an international benchmark ensuring that textiles and leathers are tested for certain allergy inducing or harmful substances. Several interior metal details are tested with regard to contact allergies, and comply with the same standards for nickel leakage as high quality jewellery.

#### **Ergonomic design**

Developed in cooperation with ergonomic specialists to provide generous support for the body during hours of driving, the seats in the Volvo XC90 are among the most comfortable in the automotive world. Multiple adjustment possibilities and adjustable lumbar support makes it easy to find the perfect driving position.



#### **Coat hanger**

On the front passenger seat head restraint there's a convenient hook where you can keep your jacket within easy reach from the driver's seat.

#### **Integrated pocket**

To provide practical storage for small items such as a mobile phone or wallet, there are pockets on the front edge of the front seat cushions.

## Interior design. Offblack.



Offblack interior with Sovereign Hide Chestnut upholstery (C70R), Cross Brushed aluminium inlays, leather-clad steering wheel and gear knob.





Offblack interior,  
Sovereign Hide Offblack (C700)



Offblack interior,  
Leather Offblack (C900)



Offblack interior,  
Marstrand Offblack (C000)



Offblack interior,  
Sovereign Hide Chestnut (C70R)



Offblack interior,  
Sovereign Hide Calcite (C70T)



Offblack interior,  
Leather Calcite (C90T)

# Interior design. Sandstone Beige.



Sandstone Beige interior with Sovereign Hide Softbeige upholstery (C710), Sapeli wood inlays, Sapeli wood steering wheel and gear knob with Sapeli wood inlay.



Sandstone Beige interior, Sovereign Hide Softbeige (C710)



Sandstone Beige interior, Sovereign Hide Chestnut (C71R)



Sandstone Beige interior, Leather Softbeige (C910)



Sandstone Beige interior, Marstrand Softbeige (C010)

# Interior design. Quartz Grey.



Quartz Grey interior with Leather Quartz upholstery (C950), Dark wood inlays, leather-clad steering wheel and gear knob with Dark wood inlay.



Quartz Grey interior,  
Leather Quartz (C950)



Quartz Grey interior,  
Leather Calcite (C95T)



Quartz Grey interior,  
Sovereign Hide Calcite (C75T)



# Interior design.



Leather-clad steering wheel,  
Offblack



Leather-clad sports steering wheel,  
Offblack with aluminium inlay



Leather-clad steering wheel,  
Sandstone Beige



Leather-clad steering wheel,  
Quartz Grey



Sapeli wood steering wheel,  
Offblack



Dark wood steering wheel,  
Offblack



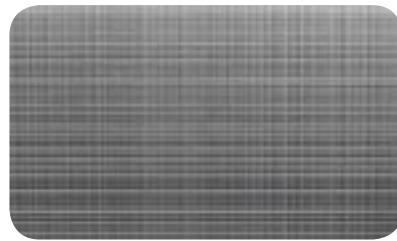
Sapeli wood steering wheel,  
Sandstone Beige



Sapeli wood steering wheel,  
Quartz Grey



Manganite trim in  
tunnel console and glove box



Cross Brushed aluminium trim in  
tunnel console and glove box



Sapeli wood trim in  
tunnel console and glove box



Dark wood trim in  
tunnel console and glove box



Leather-clad gear knob  
Geartronic



Gear knob with  
Sapeli wood trim  
Geartronic



Gear knob with  
Dark wood trim  
Geartronic

Exterior design.





It's muscular without being aggressive. Purposeful lines hint of a truly versatile character, while its refined dynamic looks reveal a more sophisticated side. Rounded shapes interact with distinctively sculpted sections, creating a confident Scandinavian style. Add to this a stance that leaves no doubt as to the intentions of this Volvo SUV. To further emphasise the adventurous spirit of the Volvo XC90, there are a number of specially designed styling accessories.



Atlantis 7x18"  
Silver Bright



Atlantis 7x18"  
Polished



Atlantis 7x18"  
Chromed



Camulus 7x18"  
Silver Bright



Neureus 7.5x18"  
Silver Bright



Neureus 7.5x18"  
Polished



Aquarius 7.5x17"  
Silver Stone



Antaeus 7x17"  
Silver Bright



Neptune 7x17"  
Silver Bright



Poseidon 7x16"  
Silver Stone

The Volvo XC90 in Shadow Blue pearl with chromed 18-inch Atlantis aluminium wheels, side décor, aluminium running boards and silver cross bars.



#### **Aluminium running boards and foot steps**

Provide a more striking impression while matching the front and rear skid-plates. What's more, they protect the door sills on uneven surfaces and make it easier to get in and out—and they're useful when loading the roof. Dimensioned for a load of 300 kg. For extra convenience, foot steps can be added to the running board.

#### **Side décor**

Running along the bottom of the doors and wheel arches, the side décor gives the Volvo XC90 an even more exclusive appearance. It's painted in the same colour as the vehicle, and features an integrated metallic lower moulding.

#### **Front bumper bar**

Integrated in the front bumper to give the vehicle an even more powerful stance. Painted in Silverstone to match other exterior styling details. Alternatively, it can be painted in the same colour as the vehicle.

#### **Silver crossbars**

An aerodynamic design element that complements the aluminium roof rails and the Volvo XC90 design. These aluminium crossbars also allow you to exploit the roof's load-carrying capacity to the full.

#### **Roof protector ribs**

These protect the roof and give the car a more assertive appearance. What's more, you can carry up to 35 kg directly on the ribs by distributing the weight evenly.







The head of the class.



The specially designed Volvo XC90 Executive seats are fully upholstered in Executive Soft Leather with contrasting seams and piping. Extra padding in all seats contributes to luxurious seating comfort—whether you're in the front or the back. The leather-trimmed door panels with padded armrests in the front doors exude uncompromising quality. The hand-ground walnut wood trim and extra thick pile of the nubuck-trimmed floor mats are other essential aspects of the Executive treatment. For a little extra comfort, there's the option of an integrated cooler box between the front seats. Alternatively, there's also the option of Inscription interior (see page 50).

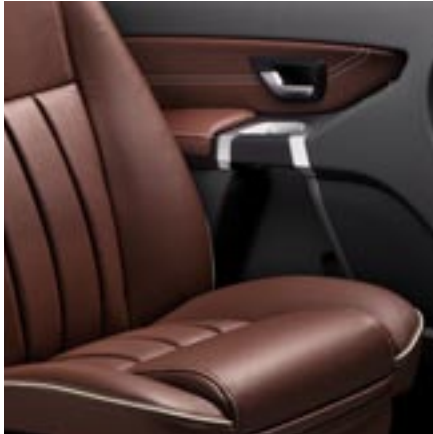


## EXECUTIVE INTERIOR DESIGN

The Executive interior is available in two different colour themes—Offblack and Sandstone Beige. The Executive Offblack interior comprises three upholstery combinations to choose from—Offblack, Chestnut and Linen White. Or go for the airy Executive Sandstone Beige interior, available with Linen White upholstery. The interior door panels are colour coordinated with the seats and upholstered in Executive Soft Leather.

## Integrated cooler box

Conveniently positioned between the front seats, this optional electric cooler will keep refreshments well chilled and within easy reach.



Offblack interior,  
Executive Soft Leather Chestnut (CF0D)



Offblack interior,  
Executive Soft Leather Linen white (CF0L)



Wooden steering wheel,  
Offblack



Wooden steering wheel,  
Sandstone Beige



Offblack interior,  
Executive Soft Leather Offblack (CF00)



Sandstone Beige interior,  
Executive Soft Leather Linen white (CF1L)



Gear knob with  
Walnut wood trim  
Geartronic



Walnut wood trim in  
tunnel console and glove box



The Volvo XC90 Executive offers luxurious comfort and sophisticated styling that make any journey memorable. The supple, handcrafted soft leather upholstery and hand-finished walnut trim add to the air of elegance and for your refreshments, you can add an integrated cooler box. From the outside, the Executive's unique design profile is revealed by distinctive cues like Anateus 17-inch aluminium wheels, door mirror capping, rear door pillar in chromium finish, front bumper bar and chromed end pipes.



# Inscription







Sill moulding



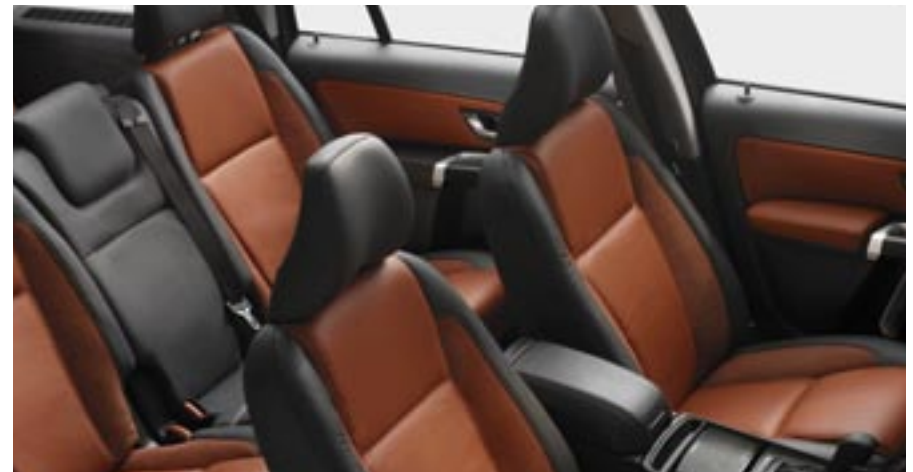
Offblack interior  
Inscription Soft Leather Offblack (CH7G)



Offblack interior  
Inscription Soft Leather Toscana Tan (CH7J)



Offblack interior  
Inscription Soft Leather Linen White (CH7L)



Offblack interior  
Inscription Soft Leather Marquis Red/Offblack (CH7F)





Black wood trim in tunnel console and glove box (unique for Inscription)\*



Offblack interior  
Inscription Soft Leather Noble Blue/Offblack (CH7H)



Offblack interior  
Inscription Soft Leather Serene Sand/Offblack (CH7D)



Sandstone Beige interior  
Inscription Soft Leather Espresso (CH2V)



Sandstone Beige interior  
Inscription Soft Leather Linen White (CH2L)

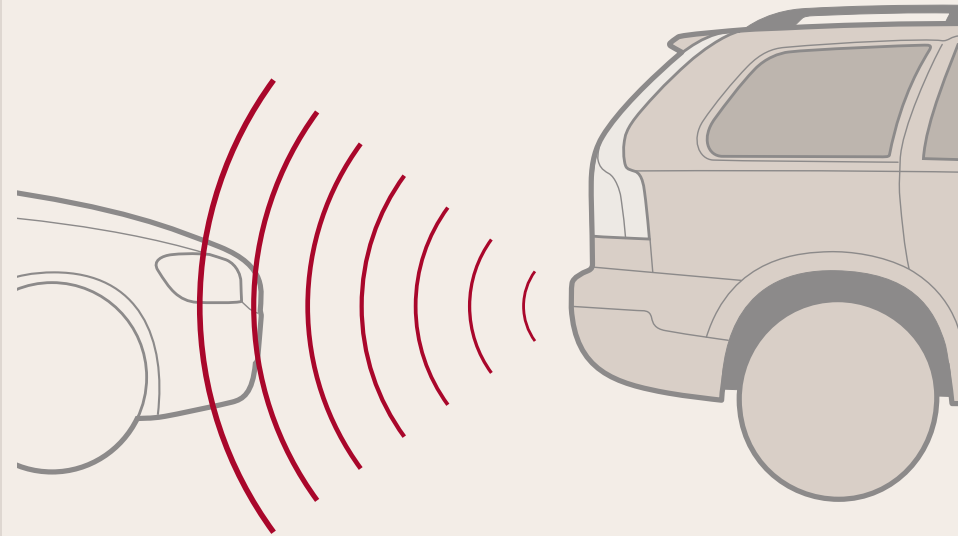
\*Inscription can also be combined with Cross Brushed aluminium, Sapeli wood and Dark wood trim



All Volvos are designed for discerning individuals. A few Volvos are personalised by their owners' desire to say something more. Inscription is a collection of exquisite full-hide interiors for this very purpose. All seats and interior door panels are upholstered in the finest Scottish hide, with colour-coordinated stitching and details such as ribbed seat side supports. Floor mats echo the design with deco edges, just like the Inscription leather steering wheel. Choose from imaginative combinations to make a Volvo XC90 emphatically yours.



## Options & Accessories.



1

1

### **Park Assist**

This makes it easier to reverse into tight spaces. A pulsating tone inside the cabin rises to a steady signal when an object is about 30 cm behind the sensors in the rear bumper. Can also be supplemented with sensors in the front.

2

### **Auto-dimming interior rear-view mirror with compass**

Ending the need to take your hand off the steering wheel and stop headlight beams shining in your eyes, the anti-dazzle function is stepless and returns to normal when it's no longer needed. There's also an integrated compass that you activate or deactivate using a button in the mirror cover.

3

### **Rain sensor**

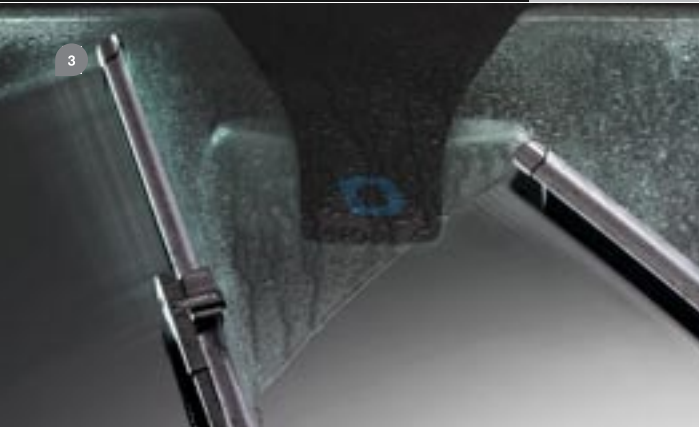
This activates the windscreen wipers as soon as it starts to rain or if water splashes onto the windscreen. Its sensitivity can be adjusted via a ring on the wiper stalk.



### **Water-repellent front side windows**

To help offer far better visibility in the wet, these front side windows help repel water as you drive. The hydrophobic surface treatment turns water into small drops that will be blown away by the force of the wind. This also gives you the benefit of less ice or frost in winter conditions.





#### 4 Bluetooth® hands-free system

This accessory system automatically recognises your Bluetooth compatible mobile phone as you enter the car and seamlessly takes over, allowing you to switch freely from the mobile phone to the hands-free system. Just touch the blue button and Volvo Bluetooth handsfree system will listen to your command and make calls for you. The system's sound quality with noise reduction optimises communication for all parties in conference.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Volvo Car Corporation is under license. Other trademarks and trade names are those of their respective owners.

#### 5 Power front seats

These facilitate adjustment of the seating position. The driver's seat also incorporates a memory function that stores three separate seat and door mirror settings—a feature that's appreciated when the car has several drivers.

#### 6 iPod®/USB Music Interface

Simply connect your iPod—or a USB device—to the connector hidden under the front centre armrest or, alternatively, in the glove compartment and leave it there out of harm's way. The iPod or USB device will be seamlessly integrated with the vehicle's audio system. Playlists, songs and artists are displayed and you can select your music via the audio controls, steering wheel integrated controls and rear headphone connectors. You can also select different random and shuffle modes. When reaching your destination, simply unplug and take your portable device with you—with the battery newly charged.

Accessory available later in 2007.

#### 7 Single-screen Rear Seat Entertainment (RSE) system

Enhances rear-seat passenger pleasure. The 7-inch widescreen display swings down from its recess in the ceiling at the touch of a button. Wireless IR headphones allow the passengers to watch a DVD movie, listen to a CD, connect a video camera or play games without disturbing others. When the vehicle reverses, the screen retracts automatically.

#### 8 Sunblinds

Easily attached to the rear door and load compartment windows, these sunblinds help reduce the heat and glare of direct sunlight. Simply remove and fold them when they're not needed.



1

**Booster cushion and adjustable backrest (15–36 kg)**

It's comfortable to sit on and helps position the child at the correct height for the safety belt. The adjustable backrest provides extra support for the back and neck and can be reclined if the child needs to rest.

2

**Child safety seat (3–18 kg)**

This rear-facing child safety seat is the foundation of Volvo's child safety system, helping to provide protection from various types of impacts. It can be supplemented with a softly padded insert for infants to further enhance comfort on long journeys. Specially designed accessories include a play table, pillow, sun shade and storage bag.

3

**Safety grille**

Fitted behind the second row of seats to help protect occupants from unsecured cargo when braking hard. Colourmatched with the interior.

**Load cover**

A retractable load cover to conceal your gear in the load compartment. Colour coordinated with the interior.

4

**Electric cooler and heater box**

Beyond keeping your drinks cold in the load compartment, this can be used as a hot box to keep food warm. This connects to the power outlet in the load compartment.

5

**Grocery bag holder**

This unfolds from the load compartment floor and keeps your shopping bags securely and conveniently in place.

6

**Mats for the interior and load compartment**

The mats—in textile or natural rubber—are tailor-made to fit perfectly in your Volvo XC90. The textile mat for the load compartment is reversible and waterproof, with colour-keyed textile on one side and rubber on the other. This allows you to maintain the attractive appearance of the load compartment even if you occasionally transport dirty loads.



7

#### Load-securing net

Attaches to the load compartment four eyelets to help keep luggage and loose items from sliding about. Colour coordinated with the interior.

#### Net pocket

Practical storage for small items along both side panels in the load compartment. Colour-coordinated with the interior.

8

#### Canoe and kayak holder

It's easy to adjust to suit different hull types and has protective rubber pads on the inner surface—essential equipment if you need to transport a canoe or kayak.

9

#### Automatic levelling

When you tow or carry a heavy load, automatic levelling adjusts the rear shock absorbers so the vehicle will maintain road holding and ground clearance.

10

#### Bike lift

The easiest way to put a bike on the roof. Simply hang the bike on the gas-sprung lifting arm, and lift it effortlessly onto the roof.

11

#### Roof box "Experience"

This lightweight and durable 450-litre roof box is ideal for carrying carving skis (up to six pairs) or snowboards. Easy to load and unload from the left or right side. Max load 75 kg.



# Volvo XC90 specifications.

## ENGINE

### Eight-cylinder petrol engine

Eight-cylinder 4.4-litre all-aluminium petrol engine. 60-degree V-configuration. Double overhead camshafts, 32 valves. Variable Valve Timing (VCT) and Variable Intake System (VIS). Electronic engine management system. Three-way catalytic converter with Lambda sensor.

This highly compact V8 harmonises perfectly with the agile character of the Volvo XC90. The sophisticated engine design, boasting continuously variable valve timing and a variable intake system, promotes high performance, smooth running, and superior power from low revs. The full torque potential of 440 Nm is delivered at 3900 rpm, while at only 2000 rpm the engine delivers 370 Nm. From a standstill, 100 km/h is only 7.3 seconds away—there's ample power for overtaking quickly and safely, as well as for challenging driving situations or for long and comfortable journeys. Advanced emission control featuring four catalytic converters reduces harmful emissions beyond the standards required by current legislation—such as Euro 4 and California's ULEV II—making this V8 one of the cleanest in its class. Thanks to energy efficient engineering, the Volvo XC90 V8 is comparatively easy on fuel.

### Volvo XC90 V8 AWD (315 hp)

Engine type: 4.4-litre V8 petrol engine  
 Max power output: 232 kW (315 hp) at 5850 rpm  
 Max torque: 440 Nm at 3900 rpm (368 Nm at 2000 rpm)  
 Acceleration 0–100 km/h, auto: 7.3 sec  
 Top speed, auto: 210 km/h  
 Fuel consumption, litres/100 km, mixed cycle, auto: 13.3  
 Carbon dioxide emissions CO<sub>2</sub> g/km, auto: 317  
 Environmental classification: Euro 4 (2005) and ULEV II  
 Transmission: Six-speed Geartronic automatic

### Six-cylinder petrol engine

Six-cylinder in-line 3.2-litre all-aluminium petrol engine. Double overhead camshafts, 24 valves. Variable Cam Timing (VCT), Variable Intake System (VIS) and Cam Profile Shifting (CPS) on the intake camshaft. Electronic engine management system. Three-way catalytic converter with Lambda sensor.

This highly compact all-new in-line six-cylinder petrol engine meets high expectations for performance, comfort and environmental consideration. The smooth running and responsive character of this engine provides a relaxed drive at all speeds. Advanced engine technology, such as a new intake system, helps increase torque over a wide speed range and ensures power at high revs and depending on your driving style and the situation, the intake valve train automatically switches between economy and performance modes to optimise efficiency. The engine's extremely compact design enhances safety performance in a frontal collision. The latest generation of fast-response emission control technology ensures that the engine complies with stringent environmental standards such as California's ULEV II.

### Volvo XC90 3.2 AWD (238 hp)

Engine type: 3.2-litre in-line six-cylinder petrol engine  
 Max power output: 175 kW (238 hp) at 6200 rpm  
 Max torque: 320 Nm at 3200 rpm  
 Acceleration 0–100 km/h, auto: 9.5 sec  
 Top speed, auto: 210 km/h  
 Fuel consumption, litres/100 km, mixed cycle, auto: 12.0  
 Carbon dioxide emissions CO<sub>2</sub> g/km, auto: 287  
 Environmental classification: Euro 4 (2005) and ULEV II  
 Transmission: Six-speed Geartronic automatic

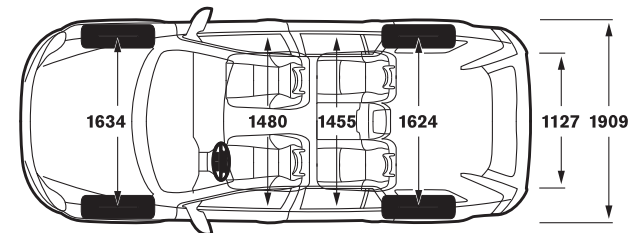
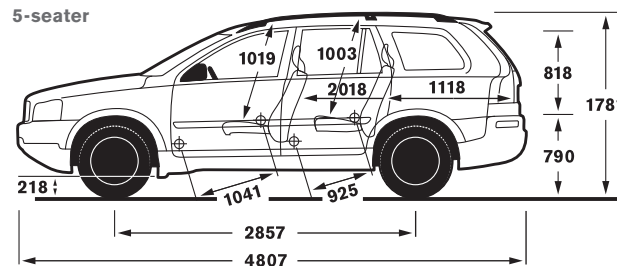
### Five-cylinder diesel engine

Five-cylinder in-line 2.4-litre common rail direct injection turbo-diesel. Double overhead camshafts, 20 valves. Turbo with variable turbine geometry. Electronic engine management system. Two-way catalytic converter with EGR. Maintenance-free particulate filter. Dual charge air coolers (Intercoolers).

Dynamically matched to the Volvo XC90, this efficient all-aluminium turbo-diesel is a harmonious source of power. New diesel technology, such as common rail direct injection and variable turbine geometry assure quick and comfortable response, superior fuel economy and cleaner exhaust. Its high torque (max 400 Nm) provides remarkable flexibility in any situation. Low weight further enhances fuel economy and a balanced drive. The engine meets stringent environmental demands and features a maintenance-free particulate filter that effectively reduces soot particles in exhaust gases.

### Volvo XC90 D5 AWD (185 hp)

Engine type: 2.4-litre five-cylinder direct injection common rail turbo-diesel  
 Max power output: 136 kW (185 hp) at 4000 rpm  
 Max torque: 400 Nm at 2000–2750 rpm  
 Acceleration 0–100 km/h, man/auto: 10.9/11.5 sec  
 Top speed, man/auto: 195/190 km/h  
 Fuel consumption, litres/100 km, mixed cycle, man/auto: 8.2/9.0  
 Carbon dioxide emissions CO<sub>2</sub> g/km, man/auto: 217/239  
 Environmental classification: Euro 4 (2005)  
 Transmission: Six-speed Geartronic automatic



### **DRIVELINE**

Electronically controlled all-wheel drive (AWD) with Instant Traction™. V8, 3.2 and D5: six-speed Geartronic automatic.

Power is continuously distributed to all four wheels by Volvo's pre-charged electronically controlled AWD with Instant Traction™. This minimises wheel spin for immediate acceleration and reassuring stability in all conditions. The six-speed Geartronic transmission is a responsive automatic ideal for relaxed driving, tough conditions or towing. This also allows manual gear changing so you can maintain a lower gear to bring up the revs, or for the added assistance of engine braking. A special winter setting makes it easier to move off and maintain grip on slippery surfaces.

### **CHASSIS**

Front suspension with spring struts (McPherson), anti-dive and anti-lift function. Multi-link independent rear suspension attached to a steel sub-frame. Anti-roll bars front and rear. DSTC (Dynamic Stability and Traction Control) and RSC (Roll Stability Control).

The Volvo XC90's all-road capability is based on generous ground clearance (218 mm), a comparatively low centre of gravity and an advanced chassis. The rigid body enables optimal suspension performance, balanced handling and a high level of comfort. Front and rear suspension interact to provide stable braking and smooth steering. In a curve, the rear wheels have a slight steering facility for added stability and steering response. The DSTC system cuts in if either of the drive wheels begins to lose traction or if a skid is imminent. RSC (Roll Stability Control) can step in to help prevent the vehicle from tipping over in an emergency situation.

### **STEERING**

Power-assisted rack and pinion steering. Tilt and telescopic steering wheel column. 2.8 turns lock to lock. Turning circle 11.9 meters (depending on tyres).

Behind the wheel, you can enjoy steering that's both responsive and reassuring at all speeds. The optional speed dependent power steering provides progressively less servo assistance the faster you drive. Higher steering precision and enhanced road feedback are easily enjoyed benefits. At lower speeds, added power assistance makes the car even easier to manoeuvre, for instance when parking.

### **BRAKES**

Power-assisted anti-locking ventilated disc brakes (ABS). EBA (Emergency Brake Assistance). EBD (Electronic Brake Distribution) between the front and rear brakes. Diagonal-split braking system.

Generously dimensioned anti-locking, ventilated disc brakes help to ensure a short stopping distance in all situations. Furthermore, they withstand tough use without fading. EBA helps you use your brakes to the full in an emergency situation, while EBD distributes the braking effect between the front and rear wheels in order to achieve optimal results according to the car's load and driving conditions.

### **FUEL TANK**

3.2, V8: 80 litres

D5: 68 litres

# The safer you are, the smarter we look.

For almost eighty years we have been dedicated to making cars that save lives in an accident. Today, our safety systems also help people avoid accidents in the first place and significantly help reduce injuries—like whiplash—when accidents occur. For many, Volvo is another word for safety. Proud as we are, we're not satisfied.

Our passion for life means always looking for new safety solutions that exceed current requirements and conventional testing. Our goal is to help make travel safer for every road user, for generations to come. That's why our protective attitude has grown to include the air we breathe and the world around us. But then, we are ambitious people.

The Volvo XC90's relationship to the environment began with the conception of the car itself. Built in one of the cleanest automotive plants in the world, it's designed to be 85% recyclable. Efficient engine management means lower fuel consumption and, in turn, less emission of carbon dioxide. Advanced emission control eliminates between 95 and 99% of carbon monoxide, hydrocarbons and nitrogen oxides. For the diesel engines, there's a particle filter that stops approximately 95% of soot particles from being emitted. The catalytic converter is positioned to provide optimum exhaust conversion sooner after cold starting. Of course, every Volvo XC90 engine meets stringent exhaust requirements.

At Volvo Cars, our overriding objective is to balance the needs of our company, our customers, society and future generations in a sustainable way. To find out more, please visit: [www.volvocars.com/citizenship](http://www.volvocars.com/citizenship)

To choose your model of Volvo based on its overall environmental performance, read our Environmental Product Information (EPI) report, at [www.volvocars.com/EPI](http://www.volvocars.com/EPI)





# A world of colours at your choice.



614 Ice White



453 White pearl  
Also available for Executive



473 Shimmer Gold pearl



612 Passion Red  
Only available for Sport



454 Ruby Red pearl



480 Shadow Blue pearl  
Also available for Executive



467 Magic Blue pearl  
Also available for Executive and Sport



471 Willow Green pearl  
Also available for Sport



426 Silver metallic



477 Electric Silver metallic  
Also available for Executive and Sport



455 Titanium Grey pearl  
Also available for Executive and Sport



472 Oyster Grey pearl  
Also available for Executive



487 Ember Black pearl  
Also available for Executive



452 Black Sapphire metallic  
Also available for Executive and Sport



019 Black Stone

**Please note:** It is not possible to reproduce exact original shades in printed matter. Please ask your dealer to show you samples.



**Clean colours**

To reduce usage of environmentally hazardous solvents all Volvo exterior colours are water-based. What's more, our painting facilities are among the cleanest in the world.





Volvo. for life

**VOLVO**

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