

Persberichten

Jul 17, 2007 | ID: 11935

All-new Volvo V70 - model year 2008

Launch

The all-new Volvo V70, launched in 2007, is the third model in Volvo's successful V70 concept. The new model strengthens Volvo's position in the premium estate segment. An expressive design - with a characteristic Scandinavian touch - has been combined with a highly flexible and versatile interior with excellent loading possibilities. In addition, a sporty appearance, as well as sporty driving characteristics completes the new model - and the model's overall exclusive impression.

Business project manager: Tomas Ahlberg

Design

Five-door estate car.

The all-new Volvo V70 has somewhat of a "dual personality", meaning a harmonious balance between spacious, versatile loading functions and sporty characteristics. In addition, the car has been given a higher level of luxury, to reinforce its premium qualities. The "soft nose" front, including an egg-crate grille with chromed vertical bars, creates a sporty yet luxurious "face". The new tailgate's upper section has a sportier forward-leaning stance. The tailgate overlaps the tail lamps, providing an even wider opening. The glass goes further down at the sides, enhancing rear view. The loading space is increased by 55 litres (compared with the previous V70 model). The interior, with a Scandinavian touch, is a perfect combination of design and function.

Exterior colours:

- Metallic Silver (426)
- Electric Silver Metallic (477)
- Seashell Metallic (484)
- Oyster Grey Pearl (472)
- Titanium Grey Pearl (455)
- Ice White (614)
- Glacier Blue Metallic (485)
- Willow Green Metallic (471)
- Passion Red Solid (612)
- Ruby Red Metallic (454)
- Barents Blue Metallic (466)
- Magic Blue Metallic (467)
- Solid Black (019)
- Black Sapphire Metallic (452)

The new, rear seat integrated child seats are adjustable in two steps. The top-class comfort level is characterised by increased passenger space - distance from front to rear passengers is increased by 21 millimetres, rear legroom by 48 millimetres and knee clearance by 21 millimetres. Width at shoulder height - in the front seats - is 30 millimetres wider than before. The ventilated front seats with perforated leather (option) are equipped with fans, lowering the seat cushion temperature. This contributes to an even greater seating comfort - especially on hot summer days.

The all-new Volvo V70 offers a number of loading solutions. The rear seat is split into three parts - 40/20/40, providing two very comfortable rear seats with a convenient armrest in between. The

luggage compartment has aluminium rails and movable anchorage points. The anchorage points can be tucked down into the rails when not in use. The built-in anchorage eyelets in the side panels keep luggage securely in place. In addition, the side panels can be equipped with multifunctional rails, making it possible to attach hooks, load-anchoring nets and cargo space dividers among other loading accessories. A completely new, power-operated tailgate (option) can be opened with a push on the remote control. This facilitates loading when the owner has his or her hands full.

Safety

The all-new Volvo V70 comes with a number of further developed and some completely new safety solutions - aimed to help avoiding accidents as well as reducing the consequences of a collision. A new, height-adjustable integrated child booster cushion provides children of different sizes with a good view through the windows, while at the same time contributing to a high level of protection. The new booster cushion, providing optimum seat belt geometry, is even more effective in combination with the specially adjusted force limiters. The Inflatable Curtain has been extended by 60 mm. In combination with the booster cushion and a strong body side, it helps increasing the side impact protection - for children of different sizes. In addition, the side structure has been combined with two-chamber side impact airbags. The all-new Volvo V70 features Volvo's patented front structure as well. The structure is divided into zones with different steel grades. All engines are mounted transversely, including the six-cylinders, and help reducing the risk of penetration into the passenger compartment.

Volvo's Whiplash Protection System provides a gentle damping motion and contact between the head and head restraint throughout the impact sequence. The front has energy-absorption properties, including a soft structure (in front of the bumper) that helps reducing the risk of leg injuries to pedestrians. The reinforced, lower spoiler edge is moved forward and almost on level with the bumper. This solution helps distributing the contact area of a pedestrian's or a cyclist's leg, helping to further reduce the risk of injury. The raised bonnet's underside has a honeycomb structure which helps absorbing the energy and reducing the risk of injury.

Collision Warning with brake support and emergency brake lamps helps avoiding rear-end impacts or minimise the consequences of a collision. A warning signal is activated if the car approaches another vehicle from behind - without any reaction from the driver. If the driver still has not taken action despite the warning, the brake system prepares for braking, shortening the driver's reaction time. And if the driver does not press the brake pedal sufficiently hard, the brake pressure is increased automatically. When the system is activated the brake lamps start flashing (fixed light in the US). When speed drops below 30 km/h the hazard warning flashers are activated as well.

Adaptive Cruise Control helps keeping a safe distance to vehicles ahead. The system continuously adapts the car's speed, ensuring the time gap to vehicles in front stays correct. First, the driver has to activate the cruise control and select a speed between 30 and 200 km/h (in order to choose a minimum time gap). Then, the driver can choose from five different minimum time gaps to vehicles ahead.

The Active Bi-Xenon headlamps are an option.

The new model has a number of advanced and interacting braking functions, such as Hydraulic Brake Assist, Optimized Hydraulic Brakes and Fading Brake Support. Volvo's Personal Car Communicator, an advanced pocket-sized control centre for increased personal security, is available for the all-new Volvo V70. The Personal Car Communicator provides information about the car's lock and alarm status if the owner is up to 100 metres away from the car. It's even possible to detect if there's someone in the car. Laminated glass all around, including the tailgate and rear side windows, is an option. The storage system under the luggage compartment floor has a loading capacity of 46 litres (without a spare wheel). The storage space locks automatically when closing and locking the tailgate.

Driveline and chassis

The all-new Volvo V70 is either front-wheel driven or equipped with AWD - All Wheel Drive. And - for the first time ever - the V70 model is offered with two six-cylinder engines - a powerful turbo engine and a highly comfortable, normally aspirated engine. As in all modern Volvo cars, the in-line six-cylinder units are mounted transversely. These engines are extremely compact and perfectly integrated with the front structure. The 3,0 litre turbo engine (T6) features a new turbocharger technique, taking in exhaust gases in two stages. This enables a more compact turbocharger that provides extremely swift response, fully comparable with a twin-turbocharger solution. The engine

produces 285 hp and 400 Nm. The six-cylinder, normally aspirated engine produces 238 hp and 320 Nm.

The new model will also be available with a five-cylinder, light-pressure turbo engine, producing 200 hp and 300 Nm. The turbocharger is integrated into the manifold, contributing to the engine's compact format. The turbocharger withstands high exhaust temperatures and contributes to an efficient combustion and low exhaust emissions.

The five-cylinder turbo diesel provides smooth and powerful driving. This powerful and modern diesel engine features a service-free particle filter, making it a highly eco-efficient engine. The diesel engine is available in two versions, producing 185 hp/400 Nm and 163 hp/340 Nm respectively.

The 2.0-litre, four-cylinder Flexifuel engine (2.0F) runs on bioethanol or petrol. This is a renewable fuel, lowering fossil carbon dioxide up to 80 %. Petrol and bioethanol can be mixed in the fuel tank. The engine produces 145 hp/185 Nm. A 2.5-litre, five-cylinder Flexifuel engine will be introduced during the first half of 2008. This engine features a turbocharger and produces 200 hp.

The five- and six-cylinder engines can be combined with Geartronic - an automatic six-speed gearbox with a manual gear changing function. In combination with the T6 engine, the Geartronic gearbox has a Sport mode, providing slightly faster gear change.

The chassis has been further developed, in comparison with the previous V70 model. In addition, the all-new Volvo V70 can be equipped with Volvo's advanced chassis system - Active chassis with Four-C.

The T6 model is equipped with AWD - All Wheel Drive, distributing power between the rear and front wheels. The speed-dependent power steering (option) can be completed with a three-step adjustment function, making it possible to adjust the servo assistance and optimize road feedback. The Power Parking Brake is applied automatically, simplifying starting on uphill gradients for example. The DSTC (Dynamic Stability and Traction Control) system helps reducing the risk of skidding.

Environment and air quality

The all-new Volvo V70 is built and produced with the ambition of minimising the environmental impact. The efficient engines - diesels, petrols and Flexifuel - contribute to reduce the emission levels.

Volvo's Interior Air Quality System reduces particles, pollen, gases and unpleasant odours in the passenger compartment. In addition, all textiles and leather are certified under ÖKO-TEX 100. This is an international standard, which ensures that fabrics and hides have been thoroughly tested to check for certain allergy-inducing substances and emissions.

The Clean Zone Interior Package provides an improved in-car climate. The system ventilates the passenger compartment automatically (in temperatures above 10 degrees Celsius).

A convenient menu system makes it possible for the driver to adjust different systems - such as climate and rear-view mirrors. This system helps increasing the driver's focus on the road and contributes to a high level of comfort.

The all-new Volvo V70 - model year 2008 - brief summary

The all-new Volvo V70 features a number of new systems and functions - which have been supplemented with well-known Volvo systems.

Please note that some systems and functions are optional.

New features:

- "Soft nose" front
- Egg-crate grille with chromed vertical bars
- Tailgate with forward-leaning stance
- Tailgate overlaps the tail lamps
- Tailgate glass goes further down
- Loading space increased by 55 litres (compared with the previous V70 model)
- Increased passenger space

- Ventilated front seats with fans
- 40/20/40 split rear seat
- Aluminium rails and movable anchorage points (luggage compartment)
- Built-in anchorage eyelets in side panels
- Multifunctional rails for side panels
- Remote controlled, power-operated tailgate

- Completely new child booster cushion, adjustable in two heights
- Specially adapted force-limiters
- Extended Inflatable Curtain
- Two-chamber side impact airbags
- All engines mounted transversely
- Improved Whiplash Protection System
- Energy-absorbing front
- Soft front structure in front of bumper
- Reinforced lower spoiler edge, almost on level with bumper
- Raised bonnet with "honeycomb" underside

- Collision Warning with brake support...
 - ...including emergency brake lamps and automatic hazard warning flashers
- Adaptive Cruise Control
- Active Bi-Xenon headlamps
- Hydraulic Brake Assist
- Optimized Hydraulic Brakes
- Fading Brake Support
- Personal Car Communicator
- Laminated glass all around
- 46-litre, lockable storage space under luggage compartment (without a spare wheel)

- Six-cylinder, naturally aspirated engine
- Six-cylinder turbo engine
- Four-cylinder Flexifuel engine
- Five-cylinder, Flexifuel turbo engine
- Geartronic automatic gearbox with "Sport" mode (T6 model only)
- Improved chassis
- Adjustable, three-step servo assistance
- CZIP - Clean Zone Interior Package
- Menu system, controlling different system and functions

Previously introduced Volvo systems and functions:

- Active chassis with Four-C
- Six-speed Geartronic automatic gearbox
- AWD - All Wheel Drive
- DSTC - Dynamic Stability and Traction Control
- IAQS - Interior Air Quality System
- Five-cylinder turbo diesel engine
- Five-cylinder, light-pressure turbo engine
- Front structure divided into zones of different steel grades

Keywords:

Press Releases, 2008, V70 (2008-2016)

Omschrijvingen en feiten in dit persmateriaal zijn gerelateerd aan Volvo Cars's internationale auto gamma. Omschreven features kunnen optioneel zijn. Voertuigomschrijvingen kunnen variëren per land en mogen worden aangepast zonder voorafgaande notificatie.

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