



VOLVO S40



THERE'S MORE TO LIFE THAN A VOLVO. THERE'S THE BUZZ OF THE BIG CITY, THERE'S A BIG GAME TONIGHT, THERE'S THE LAST-SECOND SHOT THAT WINS IT, THERE'S THE PASS THAT MAKES IT HAPPEN, THERE'S BEATING THE ODDS WITHOUT BREAKING THE BANK, THERE'S PLAYING THE GAME WITHOUT GAMING THE SYSTEM, THERE'S ICE-CREAM, THERE'S CHOCOLATE, THERE'S ICE CREAM AND CHOCOLATE TOGETHER, THERE'S A HALF HOUR BEFORE YOU CAN GO SWIMMING, THERE'S SWIMMING NAKED, THERE'S WINNING THE PART, THERE'S RUNNING THE SHOW, THERE'S A STANDING OVATION, THERE'S YOUR NAME IN LIGHTS, THERE'S A STAR BY YOUR NAME, THERE'S THE NORTH STAR, THERE'S VENUS AND MARS, THERE'S CAMPING OUT, THERE'S ORDERING IN, THERE'S LIVING IT UP, THERE'S LAYING IT DOWN, THERE'S THE LATEST HIT SONG, THERE'S THE FLAVOUR OF THE DAY, THERE'S TRYING IT ALL, THERE'S BEING SMART ABOUT IT. **THAT'S WHY YOU DRIVE ONE.**

CONTENTS

THE VOLVO S40		YOUR VOLVO S40	
Performance	6	Engines & Equipment	30
Driver's environment	10	Style guide	32
Passenger comfort	14	Exterior design	34
In-car entertainment	18	Interior design	38
Personal security	20	R-DESIGN	46
Safety & Environment	22	Features, Options & Accessories	48
DRIVE	28		

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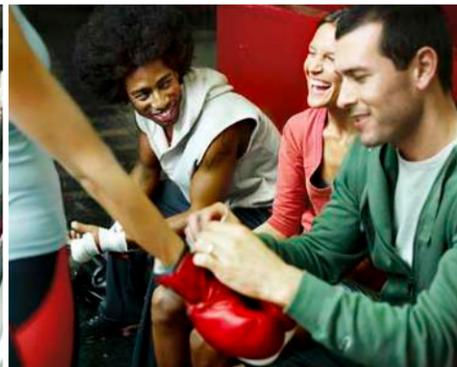
Start here. Be someplace else.

Many things go into making a Volvo unique. The ones we value most are people. Each. And. Every. One. That's why we've encouraged our designers and craftsmen to make the Volvo S40 as inviting to ride in as it is to drive. By doing so, your friends and family are more likely to ask you to drive. And you're more likely to want to. And the world can be a safer place for all of us to argue about the song selection.

Volvo. for life

Me-too is not for us.

In a “me, too” world, being different is a cause for celebration. Drive the Volvo S40 and you’ll experience something unique: the intelligence and simplicity known as Scandinavian design. This is where form, function, performance and safety all work together to give the European sports sedan a significant Scandinavian upgrade. In the end, beauty serves purpose and life enjoys spice.





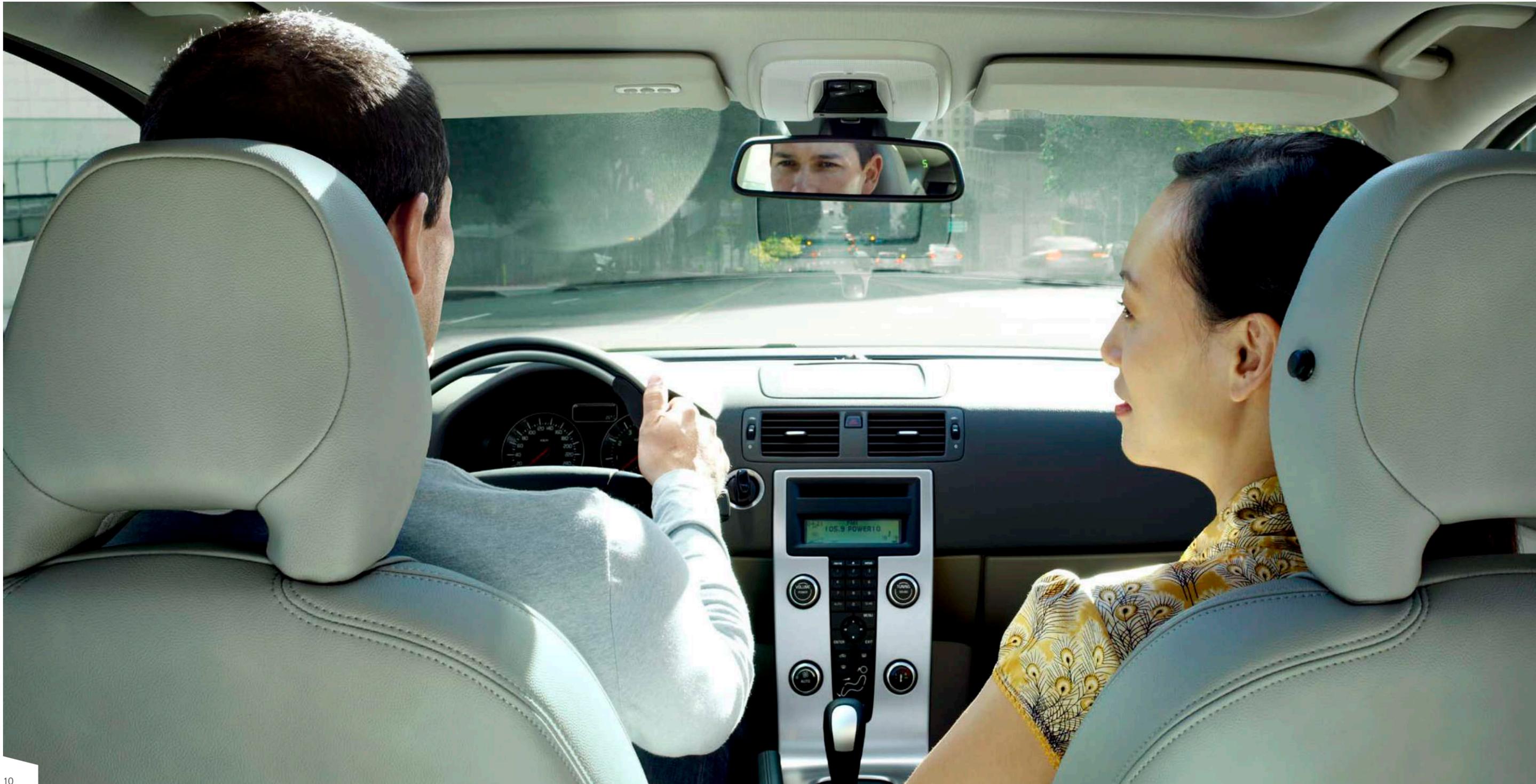
Power alone does not make us powerful.

Performance like this deserves an audience. Especially the top-of-the line, five-cylinder D4. It brings 400 Nm of persuasion to the party along with the wisdom to make the most of every drop of fuel. Of course, every Volvo engine delivers a feeling of safety that comes with its ability to respond instantly. But no matter which engine you choose, rest assured the distribution of power will be most efficient.



Necessity is the mother of all Volvos.

In order to reduce the environmental impact of our cars, Volvo is introducing the DRiVe programme along with this superbly agile and hyper-efficient Volvo S40 DRiVe with Start/Stop technology. Aerodynamically-optimised to save fuel, and emitting only 104 grams of CO₂ per kilometre (3.9 l/100 km), form and function have never been better served.



Communication is everything.
Especially between you and the road.

At the centre of this universe, there's you. Every control and instrument is designed to help you make informed decisions with ease. After all, the art of total command is greatly enhanced by a comfortable driving position, intuitive controls and effortless handling – the same things that help make this Volvo S40 very fun to drive.



Modern art meets modern life (hence the cup holders).

Inspired by modern furniture design, there is nothing fussy here – just smart, Scandinavian design that manages to reduce stress and simplify the use of some very sophisticated onboard technology. The floating centre console presents controls for the infotainment and climate systems within easy reach while hundreds of considerate details, quality materials, and innovative storage solutions surround you and your guests. The bent wood centre stack seen here features real oak-finish so you can feel the wood grain. In fact, all Volvo wood inlays use real wood. Inlays are also available in real aluminium and if you choose Volvo's genuine leather, it's nice to know a safer chrome-free process is used to cure it so beautifully.

Here you can advance and retreat at the same time.

An oasis of thoughtful ergonomic details and practical amenities await you and yours inside. Some of these touches you notice at once, others you will only fully appreciate after hours of driving. Safety is, no doubt, our first priority. And feeling safe and in control could be why the world's most comfortable seats are said to be found in a Volvo.





Sure, we've got room for that.

Like every Volvo, this car is built to provide an intelligent mix of performance and practicality. Simply folding down one or both of the 60/40-split rear-seat backrests can increase the boot's 404-litre capacity. For longer items, the height-adjustable front passenger seat folds down flat.



How does it get in there? It plays over and over. It gets stuck there, in your head. Who picks it and why do they keep hitting playback? Is your subconscious trying to DJ? Are the glands acting up? Poor diet? Late night? Sunspots? No one knows the cause. But let me ask you this, why is it monophonic? Is it the same reason dreams are in black and white? Is the brain on a budget? One thing is for certain; the only cure is more music.

Let's go for a ride in your new stereo.





It's your Volvo.
Even your Volvo knows that.

With Keyless Drive, you can unlock doors as you grasp the handle and start the car with the key still in your pocket or handbag. Sturdy door locks, an electronic immobiliser and other supplements further protect your personal security – and the security of your property. Clearly, Volvo safety doesn't take time off when you park your car.

Innovated for your enjoyment, the Volvo safety technologies will protect more than the fun of driving.

Across the world, Volvo equals safety. And that comes with good reason, because few carmakers can match our record of safety innovations and the commitment for safety that has guided us for more than 80 years. Of course, this makes us extremely proud. But we're not satisfied. Because we know what we want to achieve: zero accidents. This huge task calls for innovative thinking and a brand new approach to the way we design cars. Good news is we've already come a long way. For starters, our cars are more fun and engaging to drive than ever (because a bored driver will never be a safe driver). Neither is the technology needed any figment of the imagination – some is already available in your Volvo. This means driving a Volvo today is like having a first peek at a very exciting automotive future – a future where passionate engineering and design do more to help you get the most out of life.

After all, there's more to life than a Volvo.



EYES IN THE BACK.

Park Assist alerts you if you're too close to an obstacle behind your car when reversing.

STAY ON TRACK.

Volvo's anti-skid system Dynamic Stability and Traction Control (DSTC) improves handling and safety in a wide range of challenging situations.

RAIN PROOF.

Water-repellent side windows improve vision in the rain, and a rain sensor automatically engages the wipers if it begins to rain or if water splashes onto your windshield.

AN EYE ON THE BLIND SPOT.

Blind Spot Information System (BLIS) helps you detect vehicles entering your blind spot.

ON-ROAD ENLIGHTENMENT.

Active Bending Lights (ABL) with Dual Xenon technology expands your vision range when driving in the dark and provides considerably improved illumination around bends.

EXHILARATING COMFORT.

Ergonomic design in seats and driver's environment makes you relaxed and helps maintain your concentration on driving.

PERSONAL GATEKEEPING.

Inspired by fighter aircraft technology, the Intelligent Driver Information System (IDIS) can help reduce your workload in stressful situations.

24/7 PEACE OF MIND.

Stay cool. Volvo On Call is Volvo's integrated emergency and roadside assistance technology.



Designed to catch the light brilliantly, this car also reflects a promise.

Thankfully, the automotive industry is moving away from fantasyland to the real world. Our journey towards a better environment started already in the early 70's. Then we were among the first carmakers to acknowledge the environmental downside of cars and to do something about it. Since then we are constantly innovating to reduce the environmental impact of the cars and how we make them.

Today's biggest challenge is, of course, to reduce the carbon dioxide emissions that cause climate change. Today we offer one of the premium segments strongest ranges of low CO₂ alternatives: the Volvo DRiVe variants. Utilising innovative powertrain technology together with advanced aerodynamics, low friction technology and lightweight materials, the DRiVe range is an important step towards zero emissions.

In near future we will introduce new technology such as plug-in hybrid vehicles that will further reduce CO₂ emissions and can be charged from a standard wall socket. And we're heavily engaged in the development of electrical vehicles – a technology that will dramatically reduce the environmental footprint of our cars and make them even more fun to drive.

Good for you, and for the world we share.



GREEN AT THE RED LIGHTS.

To further reduce fuel consumption and CO₂ emissions when driving in the city, the DRiVe turbodiesel is available with Volvo's new Start/Stop technology.

FLEXIFUEL FOR LOWER FOSSIL CO₂ EMISSIONS.

Running on E85 bioethanol in a Volvo Flexifuel (2.0F), you can significantly cut your greenhouse gas emissions. Because bioethanol is a renewable fuel, the carbon dioxide emissions from combustion is already part of the ecosystem and won't contribute to greenhouse gas levels in the atmosphere.

FUEL-SAVING DESIGN.

To reduce energy-loss from wind and roll resistance, we utilise advanced aerodynamic design, light-weight materials and low-friction technology. Together with state-of-the-art engine technology, this lowers your CO₂ emissions and helps you travel further on less fuel.

FRESH CABIN AIR.

Continuously monitoring incoming air and shutting out carbon monoxide, ground-level ozone and nitrogen dioxide, Volvo's Interior Air Quality System helps ensure that the air you breathe in the car is cleaner than that outside when driving in heavy city traffic.

ECO DRIVING SUPPORT.

Displaying when it's optimum to shift gear, the gear shift indicator in the DRiVe variants helps you save fuel and reduce your CO₂ emissions.

85% RECYCLABLE.

To help minimise its total environmental impact, every Volvo is designed to facilitate recovery and recycling at the end of its useful life.

104 G CO₂ PER KM.

Our latest eco-progress, the Volvo S40 DRiVe Start/Stop, satisfies itself with only 3.9 litres fuel per 100 km – for minimum emissions and maximum style.

BRAKE FOR ENERGY.

Driving any of the turbodiesels, the battery is fed with extra power everytime you brake. Smart and fuel-saving.

CLEANER EXHAUST.

Fast responding after a cold start, Volvo's advanced emission control eliminates between 95 and 99% of carbon monoxide, hydrocarbons and nitrogen oxides from petrol engine exhaust gases. The Volvo turbodiesels feature a particulate filter that removes about 95% of the particles from the diesel exhaust gases.

MAXIMISED FUEL EFFICIENCY WITH DIESEL.

Volvo's advanced common-rail turbodiesel technology ensures superior fuel economy and low CO₂ emissions – from the 109 hp DRiVe Start/Stop to the new 177 hp D4.

ALLERGY-TESTED INTERIOR MATERIALS.

All our upholsteries and interior textiles are tested for certain allergy-inducing or harmful substances and comply with Oeko-Tex Standard 100. And several interior metal details are tested with regard to contact allergies. Good for you, and for anyone who shares your ride.



DRIVE



Can cheating the wind be good for it? We think so. Design and drivetrain modifications significantly reduce air-resistance and minimise CO₂ emissions. For example, a special front grille, spoilers, wheel deflectors, aerodynamic wheels (15" or 16" Libra) and a lowered chassis help reduce drag. And Volvo's state-of-the-art 240 Nm common rail turbodiesel, Start/Stop technology, brake energy regeneration, heightened gear ratios, optimised electro-hydraulic power steering, newly-developed transmission oil (that reduces internal resistance), and energy-saving tires – all help lower CO₂ emissions significantly.

Volvo S40 DRIVE is available with all equipment levels (Kinetic, Momentum and Summum), all interiors, all exterior colours, all wheels (except 18-inch wheels) and most options and accessories. For more detailed information, contact your Volvo dealer or visit www.volvocars.com



Easy on the eyes.
Easier on the environment. Easily yours.

The exceptionally clean Scandinavian design of the Volvo S40 DRIVE Start/Stop helps it cut through the air with fuel-saving ease. Sipping barely 3.9 litres of fuel for every 100 kilometres – with an average carbon dioxide emission of just 104 grams per kilometre – this aerodynamically-optimised sports sedan makes eco-driving a beautiful thing. The lowered chassis, low-drag wheels and instant power of a super-efficient engine with Start/Stop technology are just a few of the fuel-saving refinements that make this car more earth-friendly and more fun to drive.

THE CREATION OF YOUR VOLVO STARTS UNDER THE HOOD. A major part of the experience ahead of you is defined by the engine you choose. Is it maximum performance and a sporty engine character that make your heart tick? Or do you prefer relaxed cruising and the highest possible fuel mileage? Whichever engine satisfies your requirements, you will enjoy instant power and smooth running while state-of-the-art fuel management systems make the most of every micro-drop of fuel. Pick your engine, and enjoy the drive.

PETROL ENGINES

T5

auto
211 CO₂ g/km
9.0 l/100 km
230 hp
320 Nm

2.0

man
176 CO₂ g/km
7.6 l/100 km
145 hp
185 Nm

1.6

man
169 CO₂ g/km
7.1 l/100 km
100 hp
150 Nm

FLEXIFUEL ENGINE (E85 BIOETHANOL)

2.0F

man
179* CO₂ g/km
7.7** l/100 km
145 hp
185 Nm

*CO₂ emissions when running on petrol. Running on E85 bioethanol, the net contribution of fossil CO₂ is considerably lower.

**Fuel consumption when running on petrol. Running on E85, fuel consumption is about 40% higher due to the less energy content of bioethanol.

DIESEL ENGINES

D4

man/auto
134/149 CO₂ g/km
5.0/5.6 l/100 km
177 hp
400 Nm

D3

man/auto
134/149 CO₂ g/km
5.0/5.6 l/100 km
150 hp
350 Nm

D2

man
114 CO₂ g/km
4.3 l/100 km
115 hp
270 Nm

DRIVE Start/Stop

man
104 CO₂ g/km
3.9 l/100 km
109 hp
240 Nm

Technical data may be subject to change. Please talk to your Volvo dealer for the latest information.



EQUIP YOUR OWN VOLVO S40. As you define your own style and specify your needs, choose one of Volvo's equipment levels – Kinetic, Momentum or Summum. These ample packages add luxury and comfort beyond the impressive standard equipment level and reflect our core belief that functionality and beauty go everywhere together. For more information about the different equipment levels, please contact your Volvo dealer or visit www.volvocars.com

STANDARD

4 safety-belt pre-tensioners
Air conditioning
AUX input
Colour-coordinated side mouldings
Driver and passenger side airbags
Dynamic Stability and Traction Control (DSTC)
Emergency Brake Assist (EBA)
Foldable rear seat
Front armrest
Front cup holders
Frontal airbags
Inflatable Curtain (IC)
ISOFIX child safety seat attachments, rear

Outside temperature gauge
Performance audio package
Pollen filter
Power and heating outer rear view mirrors
Power windows front and rear
Remote control central locking
Side Impact Protection System (SIPS)
Steering wheel in height and reach adjustable
Whiplash Protection System (WHIPS)

KINETIC

includes Standard equipment level plus the following:

Aluminium wheels 15" or 16"
(depending on engine variant)
Armrest rear, includes cup holders and storage space
Electronic Climate Control (ECC)
Height adjustable passenger seat,
lumbar support, foldable
Illuminated vanity mirrors
Interior Air Quality System (IAQS)
Leather-clad gear knob
Leather-clad steering wheel
Leather handbrake lever

MOMENTUM

includes Kinetic equipment level plus the following:

Audio controls in steering wheel
Automatically dimmed inner rear-view mirror
Car coloured side mouldings
Cruise control
Dalarö upholstery
Fog lights front
Full colour-coordination
Rain sensor
Trip computer
Aluminium inlay
Water Repellent Glass (WRG) on side windows

SUMMUM

includes Momentum equipment level plus the following:

Dual Xenon headlights
Headlight washers
Heated front seats
Leather upholstery
Power retractable door mirrors with ground lighting
Retractable rear view mirrors

N.B. The contents in the equipment levels may vary from country to country. Please ask your Volvo dealer for further information.



WANT A DYNAMIC TOUCH? If stylish and sporty looks get your pulse racing, this may be the Volvo S40 for you: Dalarö T-Tec/textile Offblack upholstery in Offblack interior with Aluminium centre stack and door panel inserts, leather-clad steering wheel with aluminium inlay, leather-clad gear knob with aluminium inlay and sports pedals. Exterior colour Flamenco Red with colour matched body kit and boot lid spoiler and Midir 18" Diamond Cut/Light Grey aluminium wheels.



OR MODERN LUXURY? Some people prefer sophisticated, timeless elegance. If that sounds like you, your new Volvo S40 can look like this: Leather Calcite upholstery in Dark Beige/Quartz interior with Nordic Light Oak centre stack and door panel inserts, leather-clad steering wheel and leather-clad gear knob. Exterior colour Titanium Grey metallic with colour matched rear spoiler lip and Zaurak 17" Silver Bright aluminium wheels.

COLOUR YOUR VOLVO. When it comes to the appearance of your Volvo, the choice of exterior colour and wheels are probably your most important design decisions. For more exterior styling options and to build your new Volvo online, please visit www.volvocars.com

Inscription

Inscription is our exclusive design programme for a truly distinguished look.

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.

* Also available for R-DESIGN
 ** Only available for R-DESIGN

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



614 Ice White*



481 Cosmic White metallic



466 Barents Blue metallic*



426 Silver metallic*



701 Orange Flame metallic



612 Passion Red**



477 Electric Silver metallic*
 (sparkling metallic, shifts from silver to blue effect depending on light)



455 Titanium Grey metallic*



702 Flamenco Red metallic



490 Chameleon Blue metallic
 (shifts from blue to gold or transparent effect depending on light)



452 Black Sapphire metallic*



019 Black Stone

Inscription



EXTERIOR DESIGN Aluminium wheels



Atrius 7.5x18"
Diamond Cut/Dark Grey



Midir 7.5x18"
Diamond Cut/Light Grey or
Silver Bright



Cratus 7x17"
Silver Bright Matt
(R-DESIGN)



Serapis 7x17"
Silver Bright



Spartacus 7x17"
Silver Stone



Styx 7x17"
White



Convector 6.5x16"
Silver Stone



Cordelia 6.5x16"
Silver Stone



Libra 6.5x16"
Diamond Cut/Light grey



Isis 6x15"
Silver Stone



Libra 6x15"
Diamond Cut/Light grey

ACCESSORY Aluminium wheels



Medea 7.5x18"
Split, Silver Bright



Medusa 7.5x18"
Silver Bright



Zaurak 7x17"
Silver Bright or
Diamond Cut/Dark Grey

Please note: All wheels cannot be combined with all engine variants. Please talk to your Volvo dealer for more information.

IMAGINE YOUR NEW INTERIOR. Crafted according to your requirements, the interior of your Volvo can take on any number of personalities. Choose between two interior colours – Offblack and Dark Beige – and different upholstery variants. Pick the interior that suits you and add the finishing touch with the interior trim, steering wheel, gear knob and floor mat of your choice. After all, you're probably going to spend a lot of time here.



ERGONOMIC DESIGN Developed in co-operation with ergonomic specialists to provide generous support for the body during hours of driving, the seats in the Volvo S40 are among the most comfortable in the automotive world. Multiple adjustment possibilities and adjustable lumbar support make it easy to find the perfect driving position.



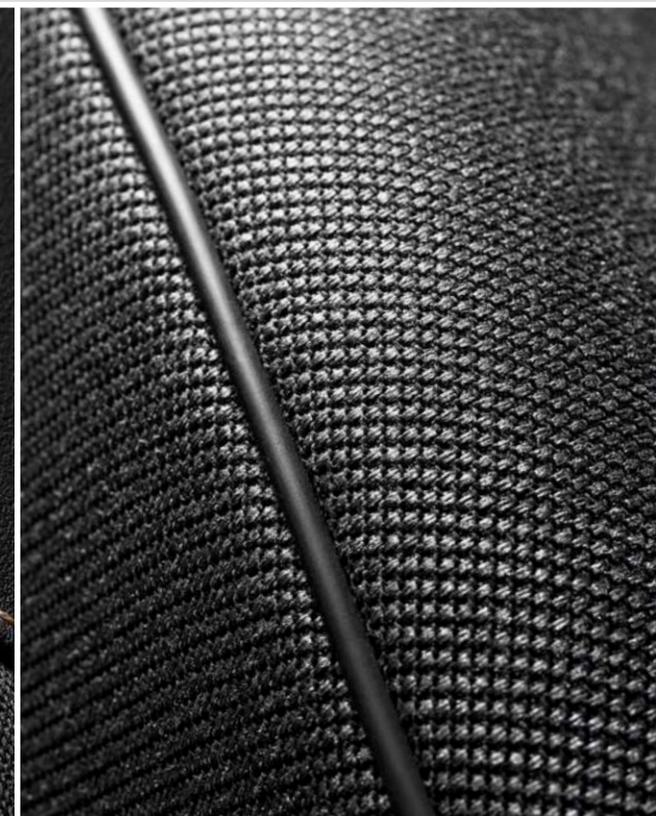
Leather

This is the upholstery that affords the Volvo S40 an atmosphere of luxury. It's a new hide quality that's smooth, durable and has a fine grain pattern. Like all Volvo leather, it's organically tanned and ages beautifully.



Dalarö T-Tec/textile

New contemporary textile upholstery trimmed with ultra-modern T-Tec, inspired by wetsuits and durable outdoor gear. The ribbed backrest and contrasting seams add further zest.



Boda textile

New textile upholstery with colour-coordinated piping, reflecting the sporty yet relaxed elegance of the Volvo S40.

INTERIOR DESIGN



Leather-clad steering wheel



Leather-clad sports steering wheel with aluminium inlay



Leather-clad gear knob, manual



Leather-clad gear knob, Geartronic



Leather-clad gear knob with aluminium inlay, manual



Leather-clad gear knob with aluminium inlay, Geartronic



Sports pedals in brushed aluminium (available for manual and Geartronic)

INTERIOR DESIGN



Offblack sports textile mats with reflective edging



Offblack textile mats



Cacao textile mats



Quartz textile mats



Bauxite centre stack and door panel inlays



Aluminium centre stack and door panel inlays



Oyster Burst déco centre stack and door panel inlays



Nordic Light Oak centre stack and door panel inlays. Also available for centre stack roll-top cover

Seat colour	Interior colour	Dashboard/door panels		Door inserts	Tunnel console and carpeting
		Upper part	Lower part		
Bright Quartz	Dark Beige	Umbr	Quartz	Bright Quartz	Quartz
Quartz	Dark Beige	Umbr	Quartz	Quartz	Quartz
Calcite	Dark Beige	Umbr	Quartz	Calcite	Quartz
Offblack	Offblack	Offblack	Offblack	Offblack	Offblack
Calcite	Offblack	Offblack	Offblack	Calcite	Offblack
Offblack/Calcite	Offblack	Offblack	Offblack	Calcite	Offblack
Cacao	Offblack	Offblack	Offblack	Cacao	Offblack

INTERIOR DESIGN Offblack



Leather, Offblack, 5D77
Aluminium centre stack and door panel inserts.



Dalarö, T-Tec/textile, Offblack, 5C77
Nordic Light Oak centre stack and door panel inserts.

INTERIOR DESIGN Offblack



Leather, Offblack/Calcite with Orange decor stitching, 5DFT
Aluminium centre stack and door panel inserts.



Leather, Cacao, 5DM9
Nordic Light Oak centre stack and door panel inserts.



Boda, textile, Black, 5B77
Bauxite centre stack and door panel inserts.



Leather, Calcite, 5DF4
Aluminium centre stack and door panel inserts.

INTERIOR DESIGN Dark Beige



Boda, textile, Bright Quartz, 5BE1
Bauxite centre stack and door panel inserts.



Dalarö, T-Tec/textile, Quartz, 5CE1
Aluminium centre stack and door panel inserts.



Leather, Calcite, 5DE4
Aluminium centre stack and door panel inserts.





There is nothing normal about these factory settings.

R-DESIGN is not just the badge of the bold. From outside, the sweet bodykit, tailgate spoiler, 17" 5-spoke Cratus wheels, and the front grille and side mirrors in a special matt-chrome finish – all signal this is a Volvo S40 with a different attitude. Inside, you'll notice the superbly comfortable seats with unique upholstery and an embossed R-DESIGN logo on the front seats. The many other exclusive R-DESIGN touches throughout the cabin, help define a style that's not just far from normal, but moving beyond it without apology.

R-DESIGN upholstery

Settle back in unique Offblack Flex-Tec and Crème leather seats with embossed R-DESIGN logo.

R-DESIGN deco inlay

The centre stack and door handle inlays convey a sporty, contemporary feel.

Sports gearshift knob

Leather and aluminium are combined to give the gearshift knob an exciting look and feel.

Sports steering wheel

Every R-DESIGN model features an exclusive sports steering wheel with embossed logo.

Combi instruments

At the centre of the instrument panel, the speedometer and rev counter feature attractive blue inserts.

Silk metal grille

Silk metal finished front grille and side mirror caps add a dash of exterior sportiness.

Sports pedals

Enhance the driving experience with these tough, ridged sports pedals.

Sports floor mats

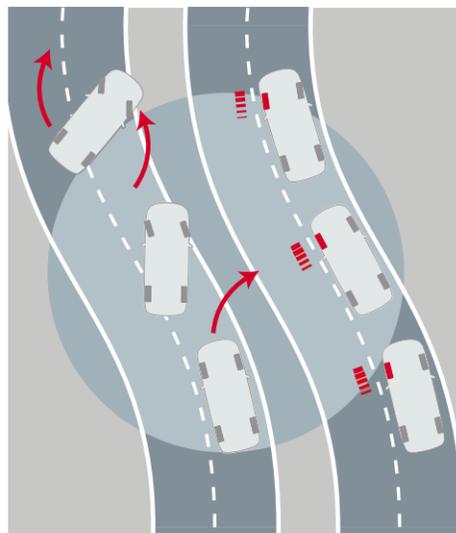
Look down and you'll see exclusive sports floor mats are brought to life with contrasting piping.

SAFETY

At the core of every car we make, state-of-the-art technology helps support the driver and protect the occupants. And to further enhance the Volvo safety experience, there's a range of supplementary safety technology – for more performance and peace of mind.



SAFETY Preventive



Dynamic Stability and Traction Control (DSTC)

By helping prevent fishtails, spinouts, and rollovers, stability control technology like DSTC has been described as one of the most vital safety advances of the past decade. At the core of DSTC, a gyroscope senses the car's direction and compares this with steering wheel movements as well as the actual rotation of the car's wheels. DSTC is able to detect a potential skid and help counteract this one by reducing the engine's power output, or braking on one or more wheels.



Adaptive brake light

Active at speeds above 50 km/h, the adaptive brake light can sense the difference between normal and panic braking. If it is a panic situation, all the brake lights will flash at a rate of four times per second. Once your speed slows to below 10 km/h, the lights stop flashing and hazard lights flash instead. Using LED technology that needs less time to light up than regular bulbs, traffic behind you can react sooner.

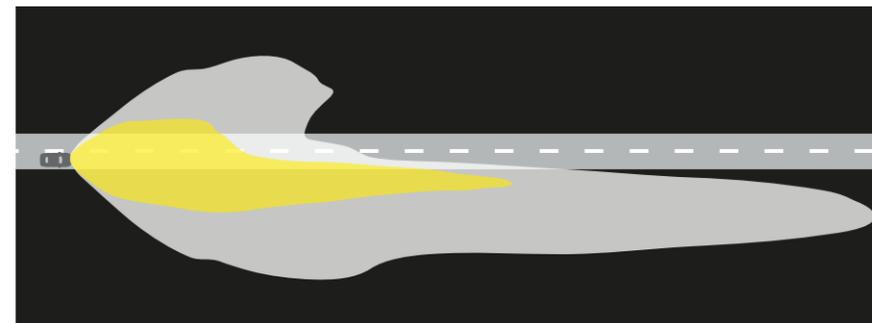
Intelligent Driver Information System (IDIS)

To help avoid distractions during critical driving situations, IDIS constantly analyses your driving and will delay secondary information from the car or one of its onboard systems – such as the GSM phone – when it detects intense steering, braking or acceleration. As soon as things calm down, the phone call or the delayed information is presented. IDIS can be set up to let GSM calls through in all driving situations.

Water-repellent front side windows

To help offer far better visibility in the rain, 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.

SAFETY Preventive



Dual Xenon lights

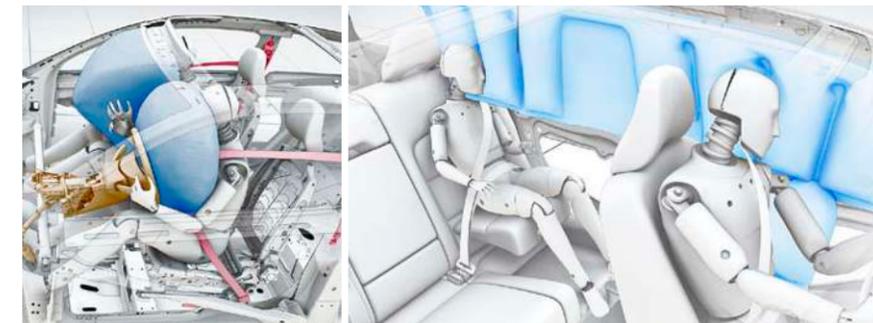
The headlamps combine separate reflectors to provide even and effective illumination in all conditions. For even better night vision, there's the option of Dual Xenon gas discharge lamps. Compared to conventional halogen headlamps, Dual Xenon headlights expand your vision range by about 230%. This means you'll gain a further 45 metres for braking. Independent of the load, these headlights self-adjust to maintain the correct angle to the road – even during hard acceleration or braking.



Active Bending Lights (ABL)

In addition to improving illumination by about 230% using Dual Xenon light technology, the Active Bending Lights give a 90% boost to your vision round bends at night. Controlled by microprocessors, the motorised lamps turn up to 15 degrees in either direction when driving – reliably lighting up your chosen path. A twilight sensor disengages the adaptive function during daylight to extend its life span.

SAFETY Protective



Restraint technologies

In a collision, Volvo's restraint technologies interact to help reduce the impact. The **safety belts with pre-tensioners** activate within a few thousandths of a second in the event of a collision and tighten the belt to help keep the occupants securely restrained. The front seat safety belts then release a little so that the driver and passenger are cushioned by the airbags in a controlled manner. Helping to optimise protection, the **dual-stage airbags** adapt the level of inflation depending on the force of the collision. The driver's airbag also interacts with the deformation of the collapsible steering column. **Side airbags** in the front seats help reduce the risk of serious injuries in a side collision. The **Inflatable Curtain (IC)** helps protect the heads of both front and rear outboard occupants. It also stays inflated for some seconds to provide prolonged protection for subsequent impacts.



Passenger airbag cut-off switch

This switch allows you to disengage the passenger airbag using the car key. When the airbag is switched off, you are notified via a message in the roof console display. The force of the passenger airbag is designed to help protect adults – children risk serious injury. Therefore, the airbag must first be disengaged if you intend to put a person shorter than 140 cm in the front passenger seat.

In a Volvo, safety is about interaction. Because it's not the number of safety features that determines how safe a car is. It's how well they seamlessly interact to help keep the occupants out of harm's way.



In a rear impact the rear deformation zones will help absorb crash energy. The fuel tank is designed to remain well protected in front of the rear axle. The head restraints help protect the neck and spine, and Volvo's unique Whiplash Protection System (WHIPS) cradles the front seat occupants in a controlled manner to help prevent whiplash injuries.

In a side impact Volvo's unique Side Impact Protection System (SIPS) helps distribute the crash forces across the car's body, away from the occupants. The side airbags in the front seats help protect the chest and hip, while the Inflatable Curtain (IC) adds head protection.

In a roll-over the robust safety cage and the reinforced roof structure together with the safety belts and belt pre-tensioners will help protect the occupants. If the car first has been hit from the side, the Inflatable Curtain (IC) deploys to help provide head protection.

In a frontal collision the patented frontal structure will yield to help absorb and disperse crash energy. The compact powertrain is designed to help optimise deformation. Inside the car, safety belts interact with the collapsible steering column and dual-stage airbags to help keep the occupants out of harm's way.

Energy-absorbing frontal structure

Volvo's patented frontal structure is built with several types of steel to allow optimal deformation – outer layers are more yielding, while steel closer to the cabin is more resilient. This structure helps absorb the impact of a collision before it reaches the occupants. The compact powertrain is designed to help optimise deformation. The unique geometry of the frontal structure and longitudinal steel struts in the doors help disperse crash energy away from the front to the rear of the car, further helping to reduce the strain on the occupants. A steel strut under the dashboard helps prevent components in the engine bay from intruding into the cabin. This also helps protect legs and feet.

Side Impact Protection System (SIPS)

SIPS is a Volvo unique safety system that has been developed to help protect where occupants are most exposed to the crash forces. The steel framework of the car – including the front seats – is designed and reinforced to help displace the impact of a side-collision away from the occupants to other parts of the car body and help prevent intrusion into the cabin. The side structure is extremely strong to help withstand a severe side impact – even with a larger vehicle. The Inflatable Curtain (IC) for all the outboard occupants and the front seat side airbags interact to help provide further protection.



Whiplash Protection System (WHIPS)

Integrated in the front seats, Volvo's WHIPS cradles the occupant to help reduce the risk of whiplash injury (one of the most common types of traffic injury and often the result of a low-speed rear impact collision). The function is activated by a collision of sufficient force from behind. Independent research has shown that WHIPS is one of the most effective systems in the world and can reduce the risk of long-term invalidity by 50%.



Volvo's child safety programme

To further enhance protection for children, we offer a child safety programme that is among the most comprehensive in the car world. Because infants have large heads and weak necks*, we know that a child up to the age of 3–4 travels most safely facing the rear. Volvo's rear-facing child seats help provide maximum protection in a wide range of collisions. Children who have outgrown the child seat travel most safely seated on a booster seat, secured with the car's safety belt.

* In a frontal collision at 50 km/h, the head of a six-month infant can be exposed to forces corresponding to a load of 100 kg!

Please note: If the front passenger seat airbag is switched on, children under 140 cm in height should never be seated in the front seat – not in conjunction with a child seat, a booster cushion or under any other circumstances.

SAFETY Child safety



Integrated booster cushions

Integrated booster cushions in the rear outboard seats help provide just the right seating height for children weighing between 15 and 36 kg. As well as improving safety, the booster cushions provide a great vantage point for watching the world go by. Furthermore, raising and lowering the cushions is childishly easy.



► Booster seat (15–36 kg)

Volvo's new booster seat helps position a child at the correct height for the safety belt and is designed to optimise side impact protection. The headrest and width adjust easily to enhance comfort, and the backrest can be reclined when the child wants to rest.



► Infant seat (up to 13 kg)

Infants, from newborns up to about 1 year of age, travel safely backwards in this comfortable seat. It's installed using the car's safety belt. And for extra convenient installation using the car's ISOFIX attachments, an ISOFIX base can be added. Side wings help protect in a side impact, and the headrest and five-point harness are easily adjusted. The headrest is padded for a comfortable sleep and there's a canopy to block the sun. What's more, the infant seat is easy to carry and can be used as a babysitter.



► Convertible child seat (9–25 kg)

From the age of 9 months to about 6 years of age a child can continue to be seated backwards in this new child seat. Advanced design helps provide world-class protection and flexible seating for many years. The seat is fitted using the car's safety belt and is easily adjusted to help optimise comfort and safety. An integrated support leg helps facilitate safe backward installation. We recommend that children be seated backwards as long as possible. But when a child grows bigger (15–25 kg) and can not comfortably be seated facing to the rear, this seat can also be used as a forward-facing booster cushion that puts a child at the correct position for the car's safety belt.



Power child safety lock

The power child lock enables you to conveniently lock the rear doors and rear power windows from the driver's seat and prevent them from being opened from the inside.

SAFETY Security



Power retractable door mirrors with ground lighting

At the touch of a button, these door mirrors can be folded flat against the car where they are less likely to get damaged after you've parked. They also fold or unfold automatically every time you lock or unlock the car. The integrated ground lighting is activated with the remote control. Beyond enhancing security to and from your car at night, this is also convenient when getting in and out.

Laminated side door windows

Laminated side windows turn an attempted smash-and-grab into a time consuming ordeal. They also enhance sound comfort in the cabin and contribute to UV protection. Additionally, this option also includes water-repellent glass in the front side windows for improved visibility in wet weather.

Approach and Home Safe Lighting

Activated with the remote control, Approach Lighting provides a warm reception on a dark night. This consists of interior and side lights – ground lighting too, if you choose it. Home Safe Lighting is activated with the headlight stalk as you leave the car and it provides a similar courtesy when exiting your car. This feature includes a dipped beam from the headlight to accompany you to your door.



HomeLink®

With buttons integrated in the sun visor, HomeLink® allows you to operate remote controlled home appliances – such as garage door, home alarm and exterior lighting – without leaving the car.

HomeLink is a registered trademark of Johnson Controls Technology Company.

Volvo On Call

Activating automatically if any of your car's airbags are deployed – or at the touch of a button – Volvo On Call is Volvo's roadside assistance and emergency service. Not only does it put you in direct contact with a Volvo On Call operator, a built-in GPS system allows them to pinpoint your location and get help to you as soon as possible. The system can also alert you to an attempted break-in, and if the car is stolen it can be traced via satellite.

► = Accessory (can be fitted after you've purchased your car).

COMFORT

A Volvo is always designed for more than one. Our technology aims to enhance the feel-good factor for everybody with the privilege of riding in a Volvo. And to further improve comfort and convenience, there's a range of clever equipment – customised for your Volvo and the people inside it.



COMFORT Seats



Power front seats

Find your perfect driving position with push-button ease. The driver's seat also incorporates a memory function that stores three separate seat settings connected to a specific remote control – a feature that's appreciated when the car has several drivers.

COMFORT Climate



Power glass sunroof

This makes the interior feel extra light and airy. It opens and closes at the touch of a button. When open, a built-in wind deflector will keep wind noise at a minimum. If the sun is too strong, just close the built-in sunshade. The sunroof can also be closed together with the side windows using the central locking remote control.



► Sunshades

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

Electronic Climate Control (ECC)

ECC ensures you and your passengers always enjoy a pleasant in-car climate. It maintains the set temperature inside the car however much the temperature outside changes, or the sun shines in. The driver and front-seat passenger can set the temperature individually for each side.

Interior Air Quality System (IAQS)

Volvo's IAQS continuously monitors incoming air and will, if necessary, temporarily close external air vents to shut out carbon monoxide, ground-level ozone and nitrogen dioxide. Meanwhile, an active carbon filter protects the occupants from other harmful gases and unpleasant odours. This helps ensure that the air you breathe in the car is cleaner than that outside when driving in heavy city traffic and tunnels.

Engine and cabin heater, fuel driven

► Remote starter

A fuel-driven heater will make your car easier to start, help reduce environmental impact and warm up the cabin. Start the heater directly, or set the time you'd like to enter your warm and defrosted car. With a remote starter you can activate the heater without going out to the car. And if your car is equipped with Volvo On Call, you can send an SMS to your car from your mobile phone to start the heater.

COMFORT Storage



Front centre armrest, multifunctional

The multifunctional front centre armrest takes care of cups, CDs, coins, mobile phones, MP3 players and other vital goodies. Here you'll also find an AUX input and – depending on your choice of audio system – a USB port to connect your MP3 player to the car's audio system. There's even a table for the rear seat passengers. In the tunnel console between the seats, integrated cup holders are hidden under an elegant roll-top cover.

Sunglass holder

Fitted in place of any of the entry handles in the front, this holder keeps your glasses or sunglasses within reach.

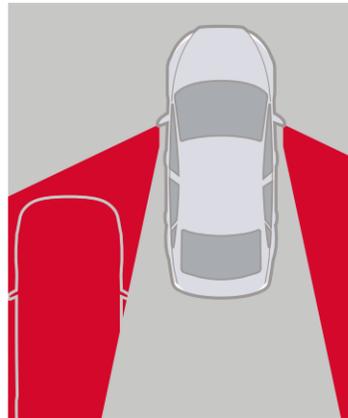
► = Accessory (can be fitted after you've purchased your car).

TECH & SOUND

Employing the latest information technology, your Volvo is prepared to support and entertain you at a very high level. Surround yourself and your friends with world-class sound and enjoy the innovations that help ensure your command of the road and the pleasure of travelling.

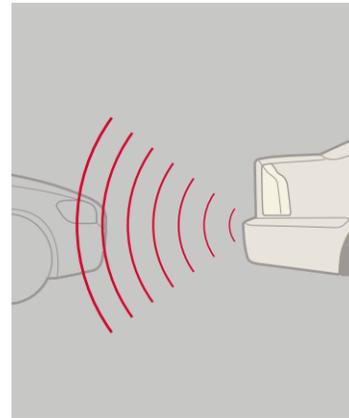


TECH & SOUND Driver's Support



Blind Spot Information System (BLIS)

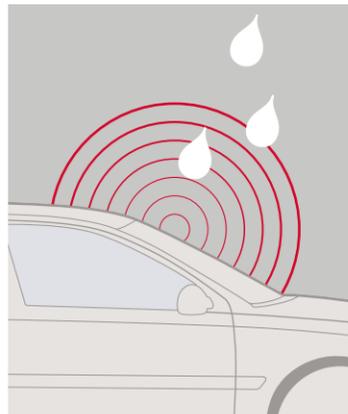
BLIS uses rear-facing cameras installed in the door mirrors to keep a lookout on either side of the car. As a vehicle enters your blind spot, this function can alert you with a lamp built in to the front door post – left or right. Together with the door mirrors, this helps you assess the feasibility of a lane change. BLIS is activated once the car exceeds 10 km/h, and reacts to almost any type of vehicle from a motorcycle upwards, day or night.



Park assist, rear

► Park assist, front

Activated when you engage reverse gear, rear park assist helps you when reversing into tight spaces. The audio system is turned down and a pulsating sound from the rear loudspeakers becomes a continuous tone as you approach an obstacle. Front park assist performs a similar function at the front of the vehicle – alerting you via the front loudspeakers.



Rain sensor

Once activated, the rain sensor can start the windscreen wipers as soon as it begins to rain or if water splashes onto the windscreen. For your convenience, it can also automatically adapt the intermittent windscreen-wiper function. Its sensitivity can be adjusted via a ring on the wiper stalk.



Automatically dimmed inner rear-view mirror

This is a mirror that automatically adjusts itself to deflect the headlamp beams of the car behind you. When there's no light to dazzle you, it automatically readjusts to its normal setting. This can be supplemented with an integrated compass.

TECH & SOUND Driver's support

Keyless drive

Keep the car key in your pocket or handbag. Using the keyless drive technology you can unlock the doors and drive away without using the car key. To start the engine, just turn the starter control in the instrument panel.

Personal settings

Define your Volvo's convenience and security settings according to your personal preferences using this simple computer interface. Depending on which technologies you have, this is where you configure the audio and climate settings, door mirrors, navigation, communication, central locking, Approach and Home Safe lighting and the Intelligent Driver Information System.

Trip computer

Monitor the current and average fuel consumption, driving range on current fuel reserves and average speed. Menu selection and resetting computer settings controlled by using the turn indicator stalk.

Cruise control

For a relaxing journey, cruise control automatically maintains your chosen speed. It is conveniently operated by controls on the steering wheel.

TECH & SOUND Communication



Integrated phone

For minimum distraction, the integrated GSM phone allows you to make calls from your pre-programmed telephone book using the steering wheel integrated controls. You can also make calls using the keypad in the centre console. And when the car is stationary, you can read and send SMS text messages. For more private conversations, there's an extra handset.



Integrated Bluetooth® handsfree system

► Bluetooth® handsfree system

Bluetooth® technology enables a mobile phone to be connected to the infotainment system in your Volvo, wirelessly. Once configured for a mobile phone, the system automatically recognises your phone as you enter the car. And as you climb in and out of the car, the system automatically allows you to switch freely from the phone to the handsfree system and back again. With Volvo's integrated Bluetooth® handsfree system you conveniently operate your phone using the buttons in the steering wheel or the centre console keypad. To further enhance your comfort and safety, you can also add Volvo On Call roadside assistance and emergency service. Available as an accessory, there's also a voice-controlled Bluetooth® handsfree system that will listen to your command and make calls for you.

► = Accessory (can be fitted after you've purchased your car).

TECH & SOUND Communication



Road and Traffic Information (RTI)

Volvo's GPS-based RTI navigation system offers both voice guidance and graphic navigation all the way to your destination. Via TMC (Traffic Message Channel) radio data broadcasts, RTI also lets you know if there's weather-related trouble on route and recommends an alternative. Extremely swift and precise, this new generation RTI features a hard disc drive covering maps for major parts of Europe. The system is fully integrated in your Volvo and is easily controlled from the steering wheel or optional remote, and the screen is positioned so you can keep your attention on traffic. You can choose between two operating modes – Easy and Advanced. When RTI is not needed, the screen is hidden into the dash. To help you keep track of new roads and points of interest, you can join our MapCare programme for two free map updates.



► **Volvo's Portable Navigation System**

This portable and powerful Garmin nüvi® 765 navigation unit integrates smoothly with the design of your Volvo. Just fit it into the docking unit on top of the dashboard. The wide bright touch screen is conveniently positioned in your field of vision. It allows you to navigate with ease, plan your route and find your points of interest. And beyond navigation, there are travel and entertainment functions such as MP3 player, currency converter, calculator and FM transmitter. The navigation unit is easy to carry with you and can also be used outside the car. Maps covering major parts of Europe are stored in memory.

nüvi is a trademark of Garmin Ltd.

TECH & SOUND Audio/Entertainment



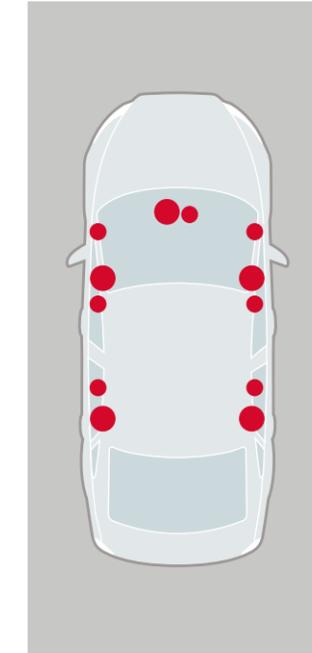
MP3 compatibility

There are a number of ways to enjoy MP3 music files in your Volvo. If you'd like to connect your personal MP3 player to the audio system, there's a standard auxiliary audio input in the front centre armrest. Volume is conveniently controlled from the steering wheel or centre stack. Choosing the High Performance or Premium Sound audio system, there's also a USB port* that allows you to fully integrate your iPod®, MP3 player or USB device with the audio system. Playlists, songs and artists are clearly displayed in the centre console, while your player will be charged at the same time. These audio systems also feature a MP3 and WMA compatible CD player. For the Performance audio system, you can add a separate USB and iPod® Music Interface (accessory) to connect your MP3 player.

*Not in combination with a 6-CD changer. Choosing a 6-CD changer, you can add a USB and iPod® Music Interface to connect your MP3 player to the audio system.

iPod is a trademark of Apple Computer Inc.

TECH & SOUND Audio/Entertainment



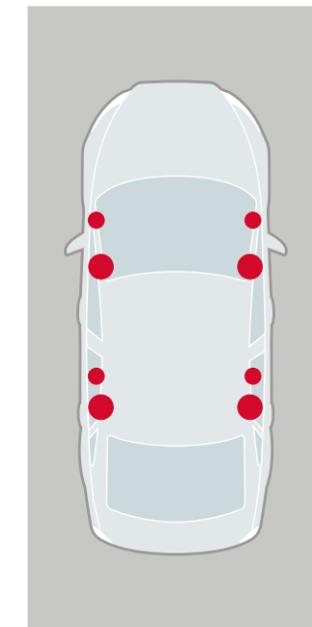
Premium Sound

Our top-of-the line audio system designed for perfect sound dynamics, boasting 5x130 W and twelve high-end loudspeakers. With Dolby® Pro Logic® II surround sound for an authentic audio experience in all seats. Premium Sound equipment includes:

- RDS radio
- MP3 and WMA compatible CD player
- USB and AUX input in front centre armrest
- 5x130 W digital class D amplifier
- Dolby® Pro Logic® II surround sound with centre loudspeaker and digital sound processor
- 12 high-end Premium Sound loudspeakers

Options: steering wheel integrated controls. A 6-CD changer is available (replaces the CD player) – this option deletes the USB input, but a USB and iPod® Music Interface (accessory) can be added.

Dolby, Pro Logic, and the double-D symbol are registered trademarks of Dolby Laboratories.



High Performance audio system

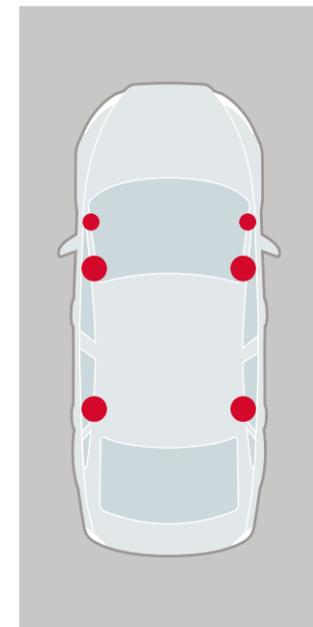
A powerfully versatile system. Each loudspeaker is fitted with a more powerful magnet and a larger coil. In combination with the amplifier, this system promotes excellent transient reproduction and high power – quite simply superb sound. High Performance equipment includes:

- RDS radio
- MP3 and WMA compatible CD player
- USB and AUX input in front centre armrest
- 4x40 W High Performance amplifier
- 8 High Performance loudspeakers

Options: steering wheel integrated controls. A 6-CD changer is available (replaces the CD player) – this option deletes the USB input, but a USB and iPod® Music Interface (accessory) can be added.

Premium Sound loudspeakers

The twelve high-end loudspeakers in the Premium Sound system are powered by a 5x130 W digital amplifier. There are three separate speakers – woofer, tweeter and midrange – in each front door and in the rear doors there is a similar set-up with tweeter and woofer/midrange. Each speaker has a crossover filter to maximise fidelity. The latest generation Dolby® surround system with a centre loudspeaker and sound processor recreates authentic sound with a strong sense of presence for everyone in the car – a Volvo world first. The digital class D amplifier features new technology to provide extremely high efficiency, enabling it to generate the most audio power from the least amount of current.



Performance audio system

A console-integrated radio and CD player. It sounds good, looks good and it's easy to use. Performance equipment includes:

- RDS radio
- CD player
- AUX input in front centre armrest
- 4x20 W amplifier
- 6 loudspeakers

Options: steering wheel integrated controls. USB and iPod® Music Interface is available as an accessory.

PACK & LOAD

A world champion in versatility, Volvo has a proud heritage in providing smart solutions for both cargo and passengers – without compromising safety or comfort. So whatever you need to expand your world and the capabilities of your Volvo, here you'll find some practical equipment to make it happen.



PACK & LOAD Compartment



Two-split 60/40 rear seat

Ergonomically designed rear seats provide generous support for the body during long journeys. When a journey includes both cargo and passengers, just fold down part or all of the two-split rear seat.



Foldable front seat backrest

To help you carry long objects inside your Volvo, the front passenger seat backrest can be conveniently folded flat.



Grocery bag holder

This integrated holder folds up from the boot floor to create an easily accessible space for shopping bags, sport bags and other gear – secured with hooks or an elastic strap. To gain access to the entire boot, just fold the holder flat into the floor.



► Side wall bucket

This bucket provides practical storage for small items along the left side of the luggage compartment.



► Luggage compartment mat, textile

This elegant textile mat allows you to maintain the attractive appearance of the luggage compartment even if you occasionally transport dirty loads. Reversible and waterproof, with colour-keyed textile on one side and plastic on the other.

PACK & LOAD Carrying/Towing



Roof load carrying system

To help you fully utilise the roof of your Volvo, we've developed a range of versatile load carrying accessories. This system is dimensioned to carry up to 75 kg. The factory-fitted attachment points in the car's roof make the load carriers easy to fit, and even quicker if your car has roof rails. Various load accessories – such as roof boxes and different holders for bikes, skis, surfboards and kayaks – can be attached to the load carriers to meet your needs. These accessories can be freely combined for flexibility and many are aerodynamically designed to help reduce fuel consumption and wind noise. And most of them can be locked with the same key, using Volvo's One-Key System.

► Roof box

To meet your various load needs, there's a range of aerodynamic Volvo roof boxes – from 320 litres up to 480 litres – compromising the most advanced function and design.

► Bicycle holder, roof mounted

Bring your bikes securely on the roof of your Volvo. Available in different variants, you can choose a holder that attaches to the bike frame or directly to the fork. And for maximum convenience, there's the bike lift with a gas-sprung lifting arm.

► Sliding ski and snowboard holder

This holder is easy to handle and has an aerodynamic design. It pulls out sideways so it's easier to load and unload the skis. There's space for six pairs of skis or four snowboards.

► Kayak cradle

This smartly designed holder secures the kayak on the roof of your Volvo and facilitates loading. Space saving design makes it possible to carry up to two kayaks. When not in use, the holder can be conveniently folded for reduced air resistance and easy storage.

► Towing equipment

A Volvo tow bar – fixed or removable – is the ultimate load accessory. The removable tow bar is easy to detach and refit when necessary. When not in use, it's completely out of the way. A range of tow bar mounted bicycle holders is available – you can take up to four bikes (or two e-bikes) conveniently and safely on the back of your Volvo. Loading is easy, and the holder can be tilted to allow access to the luggage compartment.

PERFORMANCE

In a Volvo, powertrain and chassis interact to strike the perfect balance between excitement and stability. And to further enhance the experience, additional technologies are available.



PERFORMANCE Chassis/Transmission



Start/Stop technology with brake energy regeneration

To further reduce fuel consumption and CO₂ emissions with up to 8% when driving in the city, the DRiVE turbodiesel features Volvo's Start/Stop technology. Once the engine is warmed up and the car comes to a standstill (for example at a traffic light) where you put the gear in neutral and release the clutch, the engine automatically shuts off. And instantly as you press the clutch pedal, the engine restarts and you're on the go. An extra battery ensures that all infotainment and comfort systems will function as usual even with the engine shut off. What's more, intelligent brake kinetic energy regeneration further optimises fuel efficiency and performance in all driving conditions. As soon as you brake or release the accelerator while a gear is engaged, the alternator harnesses the car's kinetic energy and feeds it into the battery to reduce fuel consumption with an extra 2–3%. And when you accelerate, the alternator decouples to free the engine for maximum performance when you need it. The Start/Stop system can be deactivated with a push of a button in the centre console and is active between 0° and 30° C.

Five- or six-speed manual transmission

The five- or six-speed all-synchromesh manual gearbox offers fluid and precise gear selection. The sixth gear further improves comfort and fuel economy on the motorway. The smooth action of the clutch assures that you move off with confidence and grace.

Five- or six-speed Geartronic automatic transmission

For the best of two worlds, there's the five- or six-speed Geartronic – a responsive automatic that's ideal for relaxed driving, tough conditions or towing. This also allows manual gear shifting 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

The wide wheelbase and the advanced chassis promote balanced handling and a high level of comfort. The rigid body enables the Multi-link rear and McPherson spring strut front suspension to cope predictably and consistently with all types of roads. The front and rear suspensions also 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. Including lower springs, there's also a sports chassis that lowers your Volvo by 20 mm and makes it even more dynamic and fun to drive.

PERFORMANCE Engines

T5, five-cylinder turbocharged petrol engine (230 hp)

For a truly sporty driving experience, there's the high-performance 230 hp five-cylinder T5 petrol engine. This smooth source of energy boasts a turbocharger and variable inlet and exhaust valve timing, delivering an exceptionally quick and powerful response throughout the entire rev range. Complies with stringent emission standards, such as California's ULEV II.

2.0, four-cylinder petrol engine (145 hp)

Matching perfectly with the dynamics of your Volvo, the high-efficiency four-cylinder engine is an inspiring source of power. Smooth operation, sharp response and low weight contribute to a sporty yet harmonious drive. Its variable inlet manifold provides a high level of torque throughout the rev range. What's more, its efficiency allows you to enjoy low fuel consumption in all driving conditions.

1.6, four-cylinder petrol engine (100 hp)

2.0F Flexifuel four-cylinder E85 bioethanol engine (145 hp)

This new state-of-the-art 2.0F Flexifuel engine doesn't compromise with performance, comfort and environmental care. When driving on E85 bioethanol, the net contribution of fossil carbon dioxide is considerably lower compared to petrol. As driver you'll enjoy the same quick engine response and relaxed engine character as of a corresponding petrol engine. The possibility of filling up with E85, petrol or any mix of those fuels offers superior flexibility. You fill up bioethanol in the same fuel tank as for the petrol. The engine adapts instantly to the fuel mix. For cold weather, you can add an electric engine heater.

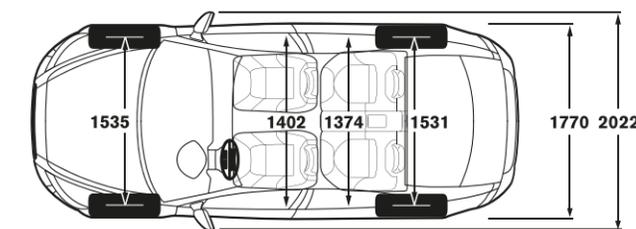
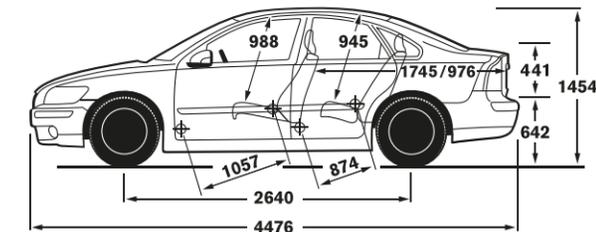
D4, five-cylinder turbodiesel (177 hp) D3, five-cylinder turbodiesel (150 hp)

The all-new five-cylinder D4 and D3 turbodiesels take performance, fuel efficiency and refinement to entirely new levels. Featuring the latest turbo and Piezo high-pressure injector technology, these inspiring five-cylinder state-of-the-art powerplants will give you access to supreme torque (max 400 or 350 Nm) across the rev range. Smooth running characteristics and low noise levels further enhance the experience. Short stroke and reduced friction add to both responsive, sporty engine characteristics and high fuel efficiency. And for even higher fuel efficiency, there's the 150 hp D3 with its 5.0 l/100 km and 134 g CO₂ per km. To further optimise fuel efficiency in all conditions, these engines also feature Volvo's CO₂ reducing brake energy re-generation technology. A maintenance-free particle filter effectively reduces soot particles in exhaust gases and advanced emission control contributes to low nitrogen oxide levels – these engines already comply with stringent, upcoming Euro 5 exhaust emission requirements.

D2, four-cylinder turbodiesel (115 hp) DRiVE, four-cylinder turbodiesel engine (109 hp)

Take advantage of the benefits of supreme fuel economy (3.9 l/100 km) and ultra-low CO₂ emissions (104 g/km) without any trade-offs in comfort, safety or performance. Volvo's 1.6-litre turbodiesel DRiVE features advanced Start/Stop technology and brake energy regeneration. Helping you to save precious fuel drops in stop-and-go city traffic, the engine shuts off when you put the gear in neutral at a standstill and instantly restarts at the press of the clutch pedal. A gearshift indicator helps you drive the most efficient way. Advanced diesel engine technology such as common rail direct injection and variable turbine geometry provides high torque across the rev range to assure a rewarding driving experience in all conditions.

The all-new 115 hp/270 Nm all-aluminium D2 turbodiesel is further refined with for example new valvetrain technology, high-precision Piezo injectors, brake energy charging and light weight materials to meet the highest demands on energy efficiency and performance. The engine's low weight contributes to low fuel consumption and well-balanced road behaviour. The 115 hp engine is mated to a new manual six-speed gearbox. It is also available without Start/Stop technology, which means somewhat higher fuel consumption but CO₂ emissions still below 120 g/km. All Volvo turbodiesels meet strict environmental demands and feature a particle filter that effectively reduces soot particles in exhaust gases. The D2 engine complies with the stringent Euro 5 emission requirements.



THERE'S MORE TO LIFE THAN A VOLVO.

Volvo. for life



THAT'S WHY YOU DRIVE ONE.

VOLVO

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