

V O L V O

Your Volvo software update

Part of the Volvo Service Promise



Our promise to you:

A free software update with every service

When you bring your Volvo to us for a service, we perform a comprehensive software update to ensure that your on-board computer systems are functioning at their best.

Normally this would cost up to £50, but we provide it free of charge as part of our Volvo Service Promise.

Interested in your free software update?

To find out more about the Volvo Service Promise and book your next service with us, [visit the Volvo website](#).

Innovating every day

Today's Volvo car is a work of the most technically accomplished electronic engineering. With advances in connectivity, driver support, infotainment and active safety systems, your car is as much a digital device as a mechanical one, and our software engineers are continuously developing and fine-tuning the software that runs so many of your Volvo's features.

One day soon, we'll be able to update your systems remotely, in the same way you upgrade the apps on your phone. For now, it's a service we provide via our retailer network.

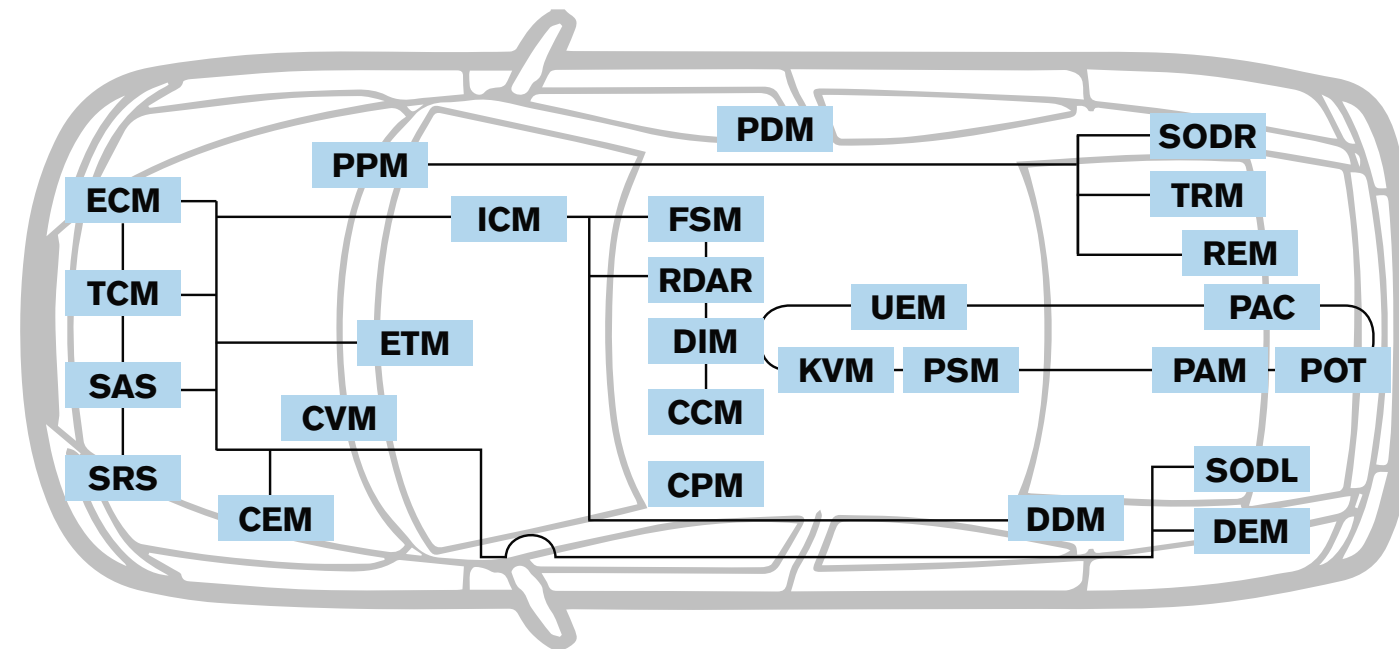
These systems are essential for maintaining the performance and safety of your car. By using an authorised Volvo retailer for service and maintenance, you can rest assured that you have the most recent and up-to-date versions of all your critical software installed.

Systems vary from model to model, but broadly speaking your software update covers:

- Climate control: monitoring temperature and airflow ensure a comfortable interior.
- Engine optimisation: managing fuel/air mixture for efficient combustion to maximise performance and minimise emissions.
- Gear change optimisation: ensuring automatic gear change is smooth and efficient.
- Driver information: ensuring accuracy of information and safety of presentation.
- Central Control Unit/Passive Safety Systems: managing and improving radar and sensor-based systems like City Safety, BLIS, etc.

What systems are included in your software update?

You can find a complete list of the Electronic Control Units that we'll optimise as part of your free software update below. However, please be aware that the location and number of these modules vary between models.



- CCM** Climate Control Module
Controls temperature, airflow, humidity and air quality in the passenger compartment.
- CEM** Central Electronic Module
Monitors, controls and coordinates all the other electronic modules in the car.
- CPM** Combustion Preheater Module
Manages the function for heaters.
- CVM** Closing Velocity Module
A part of City Safety, the auto brake support system that assists in reducing or avoiding collisions at lower speeds.
- DDM** Driver Door Module
Supports all functions related to the driver's door, as well as the Blind Spot Information System (BLIS), indicators, rearview mirror, etc.
- DEM** Differential Electronic Module
The main task of the Differential Electronic Module (DEM) is to regulate the function of the All-Wheel Drive, i.e. the power distribution between front and rear axles. Optimised software for DEM provides faster reactions in the wheel traction, improved stability and reduces oversteer/understeer.

- DIM** Driver Information Module
Displays driver information such as speed, fuel levels, motor temperature, etc.
- ECM** Electronic Control Module
Manages engine optimisation – for example, adjustment of the fuel/air mixture for efficient combustion.
- ETM** Electronic Throttle Module
Enables and controls the electronic link between the throttle pedal and the engine.
- FSM** Forward Sensing Module
Is an integrated forward-facing camera with a radar. This measures distance and speed of objects that are within its field of view and sends this information to the FSM. The controller in turn uses this information to assess the threat of collision.
- ICM** Infotainment Control Module
Displays information about active functions and shows information when selecting functions and system settings.
- KVM** Keyless Vehicle Module
Controls and monitors the keyless access system and also checks the identity of the remote key fob.
- PAC** Parking Assistance Camera
Expands the driver's field of vision behind the car when parking. A camera mounted in the tailgate allows drivers to have "eyes in the back" when parallel parking. On the screen you can see what is behind the car.
- PAM** Park Assist Module
Main unit of the Park Assist function. Controls function for rear and front sensors and alerts, and is also a part of the function for "self-parking" car, PAP (Park Assist Pilot).
- PDM** Passenger Door Module
Supports all functions related to the passenger doors – locks, windows, anti-trap features, etc.
- POT** Power Operated Tailgate
The task of the Power Operated Tailgate Module (POT) is to control the automatic operation of the boot lid. The control module monitors the movement, both when closing and opening, and can cancel it if something prevents the movement. The control module also monitors whether it is possible to open/close the boot lid.

- PPM** Pedestrian Protection Module
A part of the safety system with sensors and airbags at the front of the car that works to prevent injury in the case of frontal collision with pedestrians or cyclists.
- PSM** Power Seat Module
Manages the front seat's settings and their memory function.
- RDAR** Remote Digital Audio Receiver
Manages the car's digital radio reception, optimising sound quality and reducing interference.
- REM** Rear Electronic Module
Manages functions for locks, alarms, fuel level, brake lights, reverse lights, rear window wiper, etc.
- SAS** Steering Angle Sensor
Enables precise and optimal steering properties.
- SODL** Side Obstacle Detection Module (L/R)
Control units in a radar-based system that will detect and warn the driver of obstacles close to the car. A part of the BLIS system (Blind Spot Information System), which, with the help of LED indicators and audible signals, warns the driver of other vehicles around the car, on both sides.
- SRS** Supplementary Restraint System
Manages safety functions, such as seat belt tensioners, airbags and occupant weight sensor.
- TCM** Transmission Control Module
Controls automatic gearboxes and calculates when and how gears should be shifted for the best performance and fuel economy.
- TRM** Trailer Module
Manages signals to and from the electric connections of the tow bar. Controls lamps and functions such as 12V feed to trailer and fog lights.
- UEM** Upper Electronic Module
Receives signals from the remote key and manages various sensors, reminders, lights, etc.

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Updating the software might affect some of the custom settings or functions of your Volvo. For example, while Volvo-approved Polestar tuning will be unaffected, any non-approved tuning chips you may have installed will be overwritten by the upgrade. If you have any questions or concerns, discuss them with the service adviser.

Frequently asked questions

Q: What happens with tuned cars when you download the software?

A: Any Volvo-approved Polestar tuning will, of course, remain. However, any non-approved tuning products will be overwritten by the upgrade.

Q: Is it possible to “downgrade” to an earlier software version after a completed download?

A: No, we’re afraid that’s not possible.

Q: Which customer settings might be affected when downloading?

- A:
- When the vehicle is locked, the mirrors may auto-fold.
 - Seat position may default back to the factory setting.
 - Only one door or all doors may unlock when the driver’s door is opened.
 - Doors auto-lock when the vehicle drives away.
 - The rearview mirror may auto-tilt when the car is in reverse.
 - When switching off the engine, reduced guard could be turned off.
 - Unit setting could change (miles/km).
 - Time format could change (24h/12h).
 - Fuel Tank Gauge may initially show as empty, but will reset after a few miles driving.

Q: Which customer functions might be affected when downloading?

- A:
- When the vehicle is locked, the lights flash/don’t flash and the interior lights switch off automatically.
 - Turn indication changes to 3 flashes.
 - Active bi-xenon function won’t work when headlamp is in position 0.
 - Park Assistance is displayed as a graphic.

Free software update applies to all Volvo models from model year 1999 and onwards, except the Volvo C70 –05, S/V40 –03, XC/V70 –00.

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