



HOW TO MAINTAIN THE IN-CAR AIR QUALITY

FRESH, CLEAN AIR WITH CLEANZONE
AND VOLVO GENUINE CABIN FILTERS



CLEAN AIR FOR EVERYONE

At Volvo Cars, we think that everyone should be able to enjoy the cleanest possible environment – even in surroundings with high levels of pollution. That's why we've created CleanZone – our comprehensive approach to a clean interior in Volvo cars.

CleanZone is an end-to-end approach to interior air quality, including incoming air, interior emissions, odours and requirements regarding interior surfaces. It features an air quality sensor in the fresh air intake that detects hazardous or foul-smelling gases and automatically closes the air vents, and turns on the recirculation system, if the levels of harmful substances become too high.

A critical CleanZone component is the multi-filter, the Volvo Genuine cabin filter. It not only cleans the incoming air of impurities, such as particles, pollen and dust, but also uses active charcoal to remove odours, hydrocarbons, nitrogen oxides and ground-level ozone from the incoming air. To maintain the in-car air quality, it is important to replace the cabin filter in time.



WHY IS CLEAN AIR SO IMPORTANT?

With the CleanZone technology, Volvo Cars has long been at the forefront when it comes to ensuring the best possible in-car air quality. It's a natural part of our objective to put people, their health and wellbeing at the heart of what we do. It's also about safety, since a healthy in-car climate helps drivers stay fresh and alert.

Nowadays, more and more people, and car manufacturers too, are becoming increasingly aware of the importance of good air quality in the car. As cities grow larger and the number of cars on our roads increases, so does the amount of pollution in the air. According to the European Environment Agency, it is estimated

that fine particulate matter (PM2.5) in the air reduces life expectancy in the EU by more than eight months. The situation is far more serious in countries like China. Several studies reach different conclusions, but it is suggested that the air pollution in Beijing could shorten life expectancy by anything from 22 months to as much as 16 years. Chronic exposure to particles contributes to the risk of developing cardiovascular and respiratory diseases, as well as of lung cancer.



THE VOLVO GENUINE CABIN FILTER

Volvo Cars has always put tremendous effort into perfecting the design and specification of the cabin filters. They are comprehensively tested in test rigs and in cars in the hottest and coldest climates on Earth. Volvo Genuine cabin filters have shown superior performance in independent tests of filtration of the smallest particles.

The quality and efficiency have improved still further with the new generation of multi-filters for SPA cars. The SPA filter is significantly larger than previous filters, features several more layers, a new innovative material and contains more active charcoal.

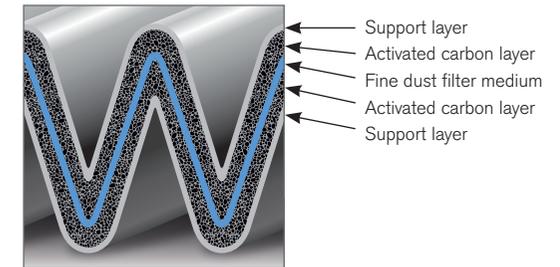
The multi-filter for SPA cars – some general features:

- Triple-layered filter system for optimum filter performance.
- Virtually 100% protection against particles including, for example, dust, soot, pollen, tire residues and bacteria.
- Almost completely retains even the smallest solid particles.
- Almost completely eliminates odours and harmful gases such as ozone, exhaust gases, nitrogen oxides, fuel gases etc.
- Top quality, tried and tested materials for maximum load capacity (frame material, plastic etc.).
- Prevents build-up of dirt which can lead to failure of the air conditioning or heating system.
- No reduction in cooling efficiency of the air conditioning system.

REPLACE IT IN TIME

To ensure the continued well-being of your customers, the cabin filter must be replaced according to the service programme or once a year. It may need replacing more frequently, depending on the driving conditions, for example, if the car is driven in heavily polluted cities.

The fine dust filter that takes care of particles, pollen and dust in the multi-filter for SPA cars is surrounded by two layers of active carbon to capture odours, hydrocarbons, nitrogen oxides and ground-level ozone.





WHAT HAPPENS IF THE CABIN FILTER IS NOT REPLACED?

Failure to replace the filter in time could jeopardise the health and well-being of the driver and passengers. An efficient filter reduces the risk of headaches, tiredness and poor concentration caused by harmful substances from traffic contaminants. It removes pollen to prevent allergic reactions, reduces potentially carcinogenic diesel exhaust particulates and blocks harmful gases such as nitrogen oxides and sulphur dioxide. It also reduces the formation of a greasy film on the windscreen inside the vehicle, which can cause dangerous dazzling effects from oncoming headlights.

A clogged filter will compromise all of this. The retained contaminants may also reduce the efficiency of the air conditioning and promote bacterial growth that can cause an unpleasant odour.

So make sure that your customers are able to breathe fresh, clean air at all times. CleanZone is an integral part of Volvo Cars' aim to make people feel happier and healthier behind the wheel by creating interiors that promote their well-being. It is therefore important to maintain CleanZone by replacing the cabin filter in time as a natural part of the service routine.



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