

Cabin Filters

For your passive driving safety



A Breath of Fresh Air

The first cabin filter was fitted to a passenger car in the 1940s, although it wasn't until the 1980s that they started to become fitted initially to prestige cars and then to mass-produced vehicles. The cabin filter is often overlooked during regular servicing as not everyone is aware of the health benefits it can provide. Whilst it has no effect on a vehicle's engine or reliability, it plays an important role in protecting the driver and occupants from potentially harmful air pollution.

Air pollution is a fact of life. If you drive on congested roads or sit in traffic, without the cabin filter you will breathe air that contains high concentrations of dust, soot, pollen, bacteria, viruses and noxious exhaust gases which ultimately damage your health and can cause serious allergic reactions to one-in-five of people. The cabin filter cleanses the air entering the passenger compartment and prevents those pollutants from being inhaled by the vehicle's occupants. It has a finite capacity so a regular/annual replacement is necessary.

Factory Fitted Quality

A great deal of thought goes into the development of cabin filters; much of this has been in the light of information on the effects of air pollution on human health. The cabin filter is much more than a device that keeps insects, leaves and dirt out of the HVAC system and it can only do its job if replaced on a regular basis.

Every Blue Print cabin filter is manufactured to the same exacting standards to guarantee a perfect fit and uses the same technology as the original equipment filter to ensure maximum passenger comfort.



Did you know?

During an average sneeze you will close your eyes for about one second. In that one second at 110km/h you will have travelled blind for over 30 meters!

Technology

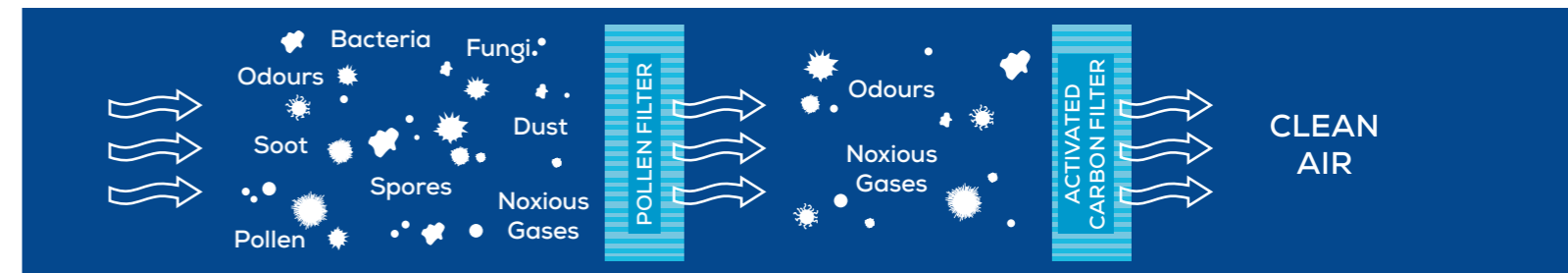
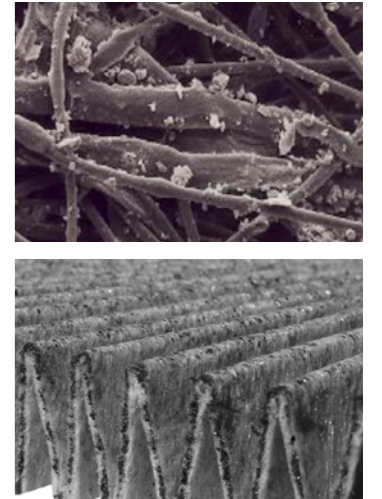
Blue Print's cabin filters are designed to filter out particles to match the factory fitted specification and uses a combination of some or all of the following technologies to achieve this. The filter media is made from a non-woven synthetic fibre which uses advanced melt blown technology to give it form and strength.

Electrostatics

As air passes over the filter fibres, an electro-static charge is generated. The charge attracts particles as small as 0.3 microns, including bacteria and diesel soot nanoparticles. Particles between 0.3 microns and 0.9 microns pose a great risk to our health as these particles are too small for the tiny hairs that line our noses to filter, but large enough that they cannot be exhaled.

Activated Carbon

Activated carbon cabin filters take filtration to the next level. Tiny particles of carbonised and crushed coconut shells are embedded in the filter. These activated carbon particles contain channels that trap noxious gases such as Nitrogen Dioxide (NOx) which is a poisonous gas emitted by petrol and diesel engines. One gram of activated carbon has a surface area of over 1,000 square metres and is the main active ingredient in gas masks. The carbon eventually becomes loaded during the service life of the filter.



Care When Fitting

Some cabin filters can be difficult to install due to poor access, often down to lack of space or obstructions because of LHD/RHD differences. It is important to fit the cabin filter correctly as a poorly installed 'scrunched-up' filter will serve very little purpose, with air able to pass by unfiltered.



Cabin Filter Features & Benefits

- Reduces occupant's exposure to airborne contaminants including dust, pollen, insects and other pollutants such as diesel soot, tyre and brake dust and noxious gases that are hazardous to health.
- Following OE specification, activated carbon filters attract and trap the smallest of particles such as NOx and hydrogen sulphide. This highly efficient filtration promotes 'Passive driving safety' which is especially important during city driving, traffic jams or in a tunnel.
- Creates a more comfortable environment for those with asthma or allergies such as hay fever by preventing allergens such as birch pollen, fungal spores and formaldehyde from entering the passenger compartment.
- A clean filter allows more highly-filtered air into the cabin, slowing the formation of a film of dirt on the inside of the windscreen and allowing for faster demisting.



The Blue Print Manufacturer Guarantee

In order to underline our high product quality standards, we are providing a **3 Year Manufacturer Guarantee** for all of our replacement parts – exceeding the statutory warranty. This is our commitment to quality.