

Every filter has its change interval – better check regularly

Bosch supports workshops with an extensive range of filters featuring particularly high quality – to protect the engine, injection and hydraulic systems of CVs.

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Bosch filter program for commercial vehicles

Commercial vehicles make money every day. But out-of-action vehicles cost their operator several thousand euros a day. Regular filter checks and replacements help keep vehicles safer on the road. The maintenance intervals specified by the vehicle manufacturer should be strictly observed. In addition to this, Bosch partly gives a replacement recommendation, based on its own manufacturing experience.

Bosch filters product range

Bosch thus provides a comprehensive range for many common types of commercial vehicles and engines – without any compromises concerning the quality – protecting the engine, injection systems and hydraulics.

Diesel filters

Diesel filters reliably separate particles, water and other residues from fuel. They contribute to optimum engine performance and protect the injection system. Due to the high flow rate, commercial vehicles are often equipped with water separators pre-filtering water and coarse particles. Fine filtering of fuel, however, is the actual diesel filter's task.

Change interval: as specified by the vehicle manufacturer

Oil filters

In addition to the main flow filter, which filters the total amount of oil at each pass, commercial vehicles are usually also equipped with a bypass filter. It supports the effect of the main flow filter separating extremely fine particles. More viscous oil no

longer reaches all the areas to be lubricated. Increased engine wear could be the result.

Change interval: as specified by the vehicle manufacturer

Air filters

Air filters protect the engine and support a proper function of the sensors in the intake air duct. They reliably remove particles from the intake air and contribute to optimum engine performance. In the case of commercial-vehicle air filters, this is achieved by means of an appropriate filter medium, a large filtration surface and, in some cases, multi-stage filtration.

Change interval: as specified by the vehicle manufacturer

Cabin filters

Cabin filters increase the protection of vehicle occupants against pollen, fine dusts as well as harmful and foul-smelling gases. Trucks are work areas. The main focus thus is on protecting the drivers' health. Unfiltered air in the cabin might reduce the driver's concentration and can impair visibility due to deposits on the windows.

Change intervall: every 120,000 km, min. once every year – respectively as specified by the vehicle manufacturer

Denoxtronic filters

Denoxtronic filters are integrated into the supply module. They protect the injector, thus supporting optimum AdBlue dosing. Insufficient filtration might compromise the reduction of nitrogen oxides (NOx) in the SCR catalytic converter. The vehicle could go into emergency mode.

Change intervall: as specified by the vehicle manufacturer

Air dryer cartridges

In commercial vehicles, compressed air is used for brake systems, air suspension, door operation on buses and traction control. Air dryer cartridges dehumidify compressed air and reliably remove particles and droplets of oil. This prevents corrosion and reduces the risk of malfunctions in winter due to icing.

Change intervall: once every year

Coolant filters

Coolant filters clean the coolant liquid reliably removing particles and other residues. Thus they protect the cooling system against corrosion and prevent premature wear of the coolant pump.

Change intervall: regularly, together with the oil filter

Hydraulic oil filters

The pressures transmitted in the hydraulic systems of off-highway vehicles can be up to 400 bar. Hydraulic oil filters retain impurities such as dust, metallic abrasion and water.

Change intervall: as specified by the vehicle manufacturer

Oil mist separators

Oil mist separators protect the engine intake. They reliably clean returned blow-by gases separating oil aerosols and droplets, that would possibly contaminate and damage turbochargers, air-mass meters, intercoolers, valves, and catalytic converters.

Change intervall: in short-distance traffic every 40,000 km; in long-distance traffic every 80,000 km

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