

# Technical Bulletin

## Air on the side of caution

**As part of a service it's important to ensure effective filtration throughout the vehicle. Whether the filtration of oil, air or fuel to the engine, or air entering the vehicle cabin, each filter fitted to a vehicle is of critical importance.**



## FIRST FOR FILTERS

compressed air will compromise this balance and pores will either become too small to allow effective airflow, or too large to filter out contaminants.

It's important to remember that the very purpose of an air filter is the protection of engine components from contaminants that can cause enormous damage within the combustion chamber. A mechanically cleaned air filter is not going to fulfil its brief or be fit for purpose and the use of such a filter will expose an engine to damage which carries a potentially huge repair bill.

**Put simply, this is a risk not worth taking. Air on the side of caution and always fit a new Comline air filter in-line with the manufacturer's recommended service intervals.**



At Comline, we have seen a worrying number of instances where air filters are being mechanically cleaned rather than replaced to save money on a vehicle service. Whilst blasting the air filter with compressed air may appear to remove some of the dirt and debris that has previously accumulated, the effect is superficial. The reality is that cleaning an old air filter in this way pushes the fine particles and contaminants that have accumulated deep into the structure of filter media (paper).



This is hugely detrimental to air filter performance as there is permanent and irreparable damage to the porous, multi-layer structure of the filter media. It's important to recognise that air filters are manufactured from highly specialised media which is carefully selected for its structural properties. This media is porous enough to allow air to pass through it, but these 'pores' are too small to allow contaminants to pass. Blasting this structure with



### OE Matching

The Comline air filter range covers a broad array of applications and is precisely manufactured in-line with OE specifications. So, if the OE filter features a Polyurethane (PU) frame, the Comline version will feature an equivalent, high-quality PU frame to ensure optimum performance and ease of fitment.