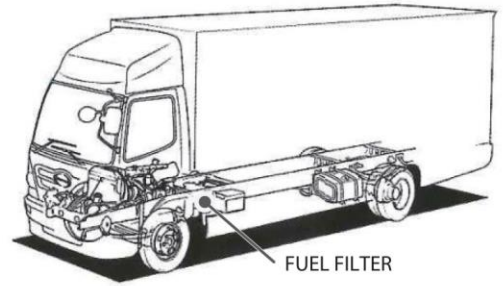


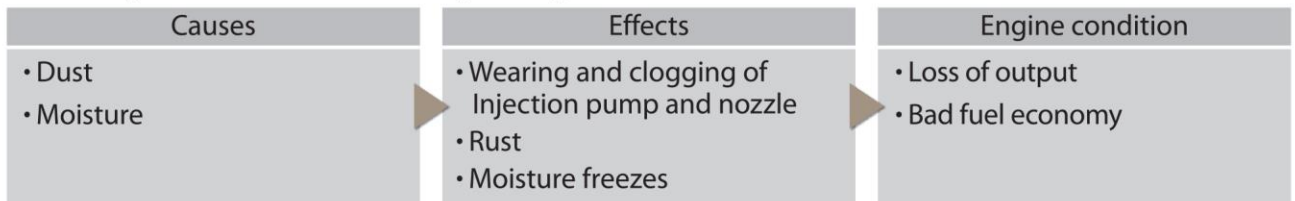
FUEL FILTER



Function

The fuel filter removes dust and moisture contained in the fuel to protect the engine's injection pump and nozzle from wear and clogging.

How foreign matter in fuel can affect your engine



Differences between genuine and aftermarket parts

1) Performance

Genuine parts use special filter media that have been developed specifically for filtering fuel and offer excellent filtering performance. Some aftermarket parts use filter media with limited filtering performance. (See Fig. 2)

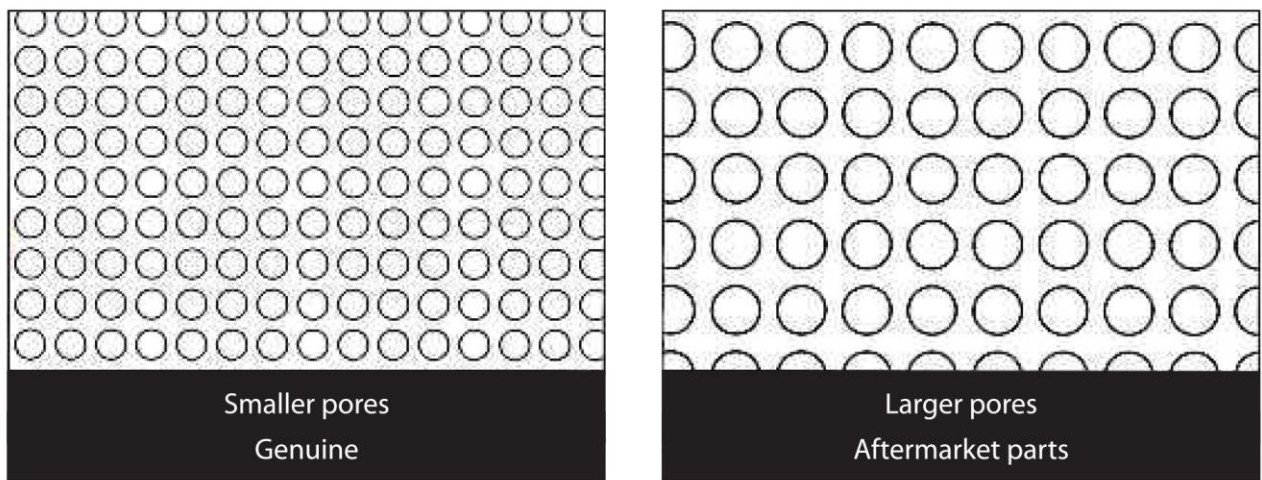


Fig. 2 Schematic comparison of filtering precision

2) Quality

Moisture precipitation that accumulates at the bottom of a fuel filter's case can cause the case to rust. The filter case of genuine parts have interior surfaces that are treated with a special antirust coating to keep the case from rusting and prevent consequent fuel leaks. Some aftermarket parts have not been given antirust treatment. This can cause the case to rust, which can eventually develop into holes, causing fuel leaks. (See Image. 1)

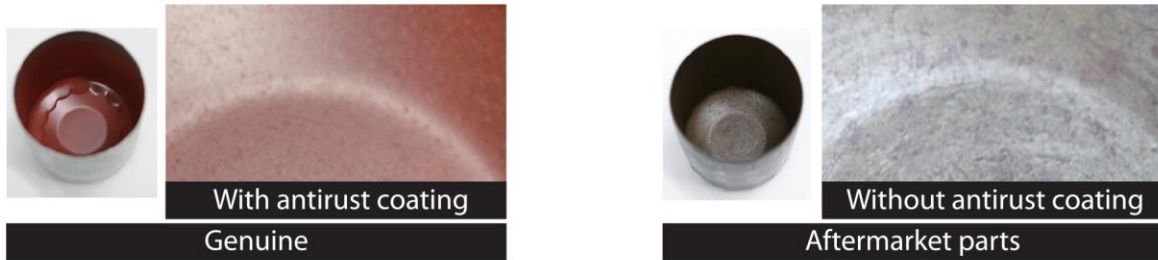


Image.1 The bottom of a fuel filter's case can

3) Life time

Genuine parts use filter media with sacrament fold in order to achieve finer folds and larger filtering areas that more than meet Hino's filter change mileage requirements. (See Figs. 3 and 4)

Some aftermarket parts have only about half the filtering area of genuine filters, and consequently have much shorter life times.

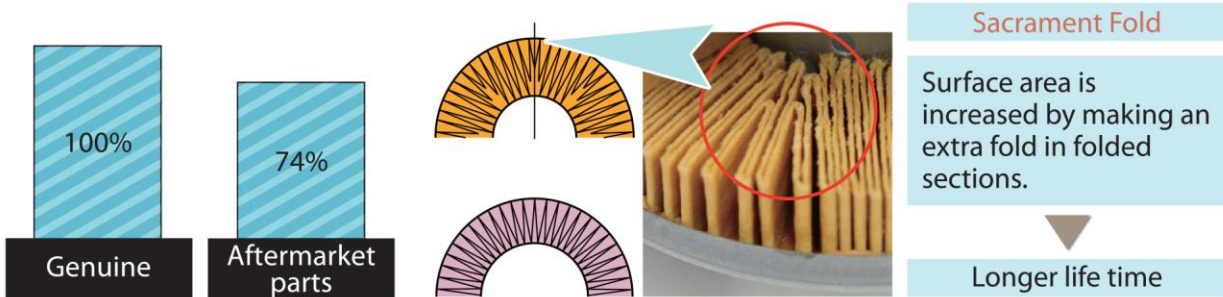


Fig. 3 Filter area comparison

Fig. 4 Filter folding manner

The performance data of aftermarket parts shown above were obtained from a limited sampling of parts and do not represent the performance of all aftermarket parts.

The importance of replacement

Fuel filters must be replaced on a regular basis. Otherwise, the filter medium can get clogged, which will deprive the engine of its fuel supply and consequently reduce its output. If used for prolonged periods of time, the filter medium can become degraded and rupture, causing foreign matter in the fuel to reach the engine and cause major damage to your engine. So make sure to replace your fuel filters periodically. (See Image. 2)

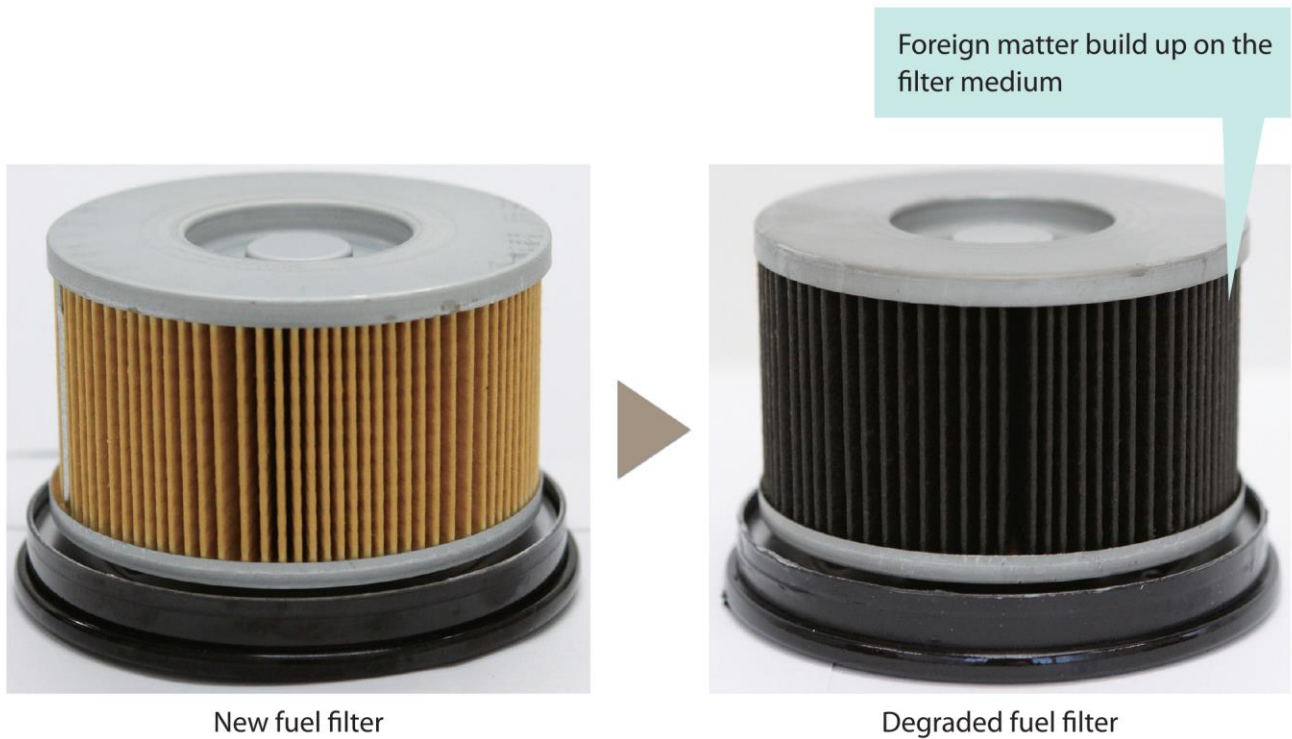


Image. 2 Filter photos