



ALLISON TRANSMISSION GENUINE FILTER KIT VS. NON-GENUINE FILTER KIT

Part Number: 29548988

EFFICIENCY

Non-genuine filters can be too restrictive causing premature load in service due to the fine particulate distribution. As the element loads the filtration efficiency decreases rapidly as the differential pressure builds. This is a sign that the filtration media lacks sufficient support (see fig. A).

Genuine Allison filters have a rating that matches the flow and filtration requirements as specified by our engineers (see fig. B).

Fig. A

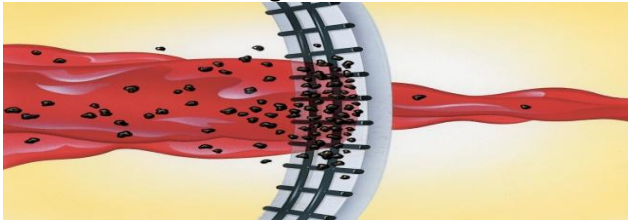
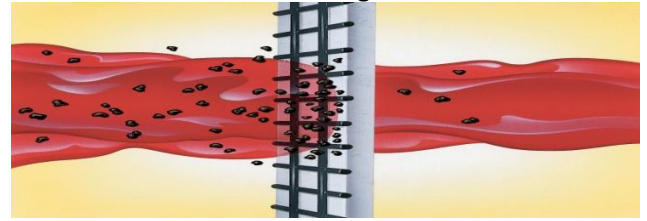


Fig. B



CAPACITY

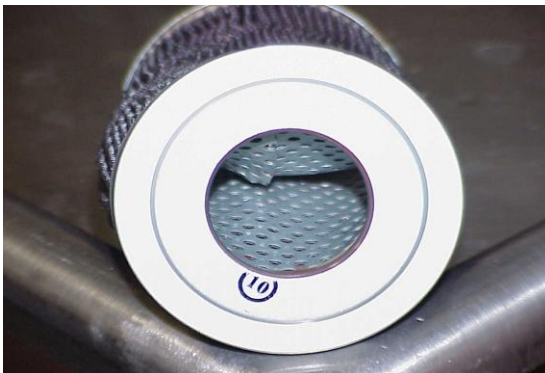
The non-genuine filters we tested had a very low unit area capacity. Combine that with the higher restriction described above, and the element will plug prematurely in service. The non-genuine filters had a capacity range approximately 50% less than the Allison Genuine.

COLLAPSE

The center tube in the non-genuine filters we tested collapsed in a range greater than 75% below the psid requirement the Genuine filter meets. The center tube will easily collapse under cold start conditions and release contaminant downstream, which can lead to premature transmission failures.

SEALS

O-Ring Seals used in the non-genuine filters, and provided in the sub-kits, are made of Ethylene Propylene which is not compatible with approved Allison Transmission fluids. These Seals will become brittle when exposed to Allison fluids and cause leaks.



NON-GENUINE FILTERS COLLAPSE UNDER PRESSURE