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## Instructions For Cleaning ITG Foam Air Filters

For the best cleaning results and longevity of your filter it is recommended that you use ITG's CL-1 cleaning fluid and follow the instructions below.

**Please check with ITG or your local dealer for recommended cleaning and oiling products in your territory. Only use recommended cleaning and oiling products on your ITG filter. Always use the products in accordance with instructions. Improper use of cleaning chemicals or use of non-approved chemicals can damage filter materials.**

### Cleaning

ITG's CL-1 cleaning fluid is intended to be used in a two part cleaning process where the CL-1 breaks down the sticky dust retention oil on the filter, which is then washed off using warm water.

Spray the CL-1 liberally onto the filter and thoroughly massage in. You need to ensure the CL-1 has worked its way through all the layers in the foam and it may be necessary to apply extra CL-1 until you are satisfied the cleaning fluid has fully penetrated the foam. To help the CL-1 to break down the oil, it is advisable to leave the filter for 2-3 minutes and then further massage the CL-1 into the foam.

The next step is to wash the filter out in warm water. Thoroughly wash the filter until you are totally sure that all the cleaning fluid has been removed and the water remains looking clean – it is also advisable to run water through from the clean side outwards to further help the removal of any dust still held within the filter. **This stage of the process should take no more than 4 – 5 minutes, leaving the filter submerged in water for a prolonged period of time may cause the glues in the filter to soften and eventually break down.**

Now the filter is clean you will need to leave it in a warm, dry place until it is fully dried out. **Do not use a high pressure air line or heat gun to speed the process up.**

Once the filter is dry, re-oil with ITG JDR-2 dust retention coating. If this is not available, only use a specific foam air filter oil. Suitable brands that we are aware of include Silkolene and Rock Oil.

**Under no circumstances use cotton gauze filter oil, engine oil or any other oil not specifically manufactured for foam air filters.**



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## Instructions for Oiling ITG Foam Air Filters

**If your ITG filter has not been factory pre-oiled then follow the instructions below.**

All foam air filters should be oiled to provide the best filtration performance. The recommended oils are specifically formulated for foam air filters. When the oil is correctly applied, it provides a tacky coating over all the surfaces of the structure of the foam filter. As dust particles pass into the filter, they collide with the foam structure and are then retained in the oil coating. The oil coating also flows around the dust particles to continue to present a tacky surface for further dust particles.

If foam air filters are used in a 'dry' or non-oiled state, they still provide filtration of larger dust particles, and they will also retain most smaller dust particles due to an electrostatic effect. Electrostatic dust retention is much less reliable than oil retention, so if a filter is used without oil, it is very important to monitor whether any dust is passing through the filter, and to clean the filter frequently. Some dust, which can potentially damage the engine, may pass through a filter used in dry condition.

ITG will not provide any warranty when a filter is used in dry condition, or has not been maintained according to instructions.

There is a popular misconception that oil from air filters can become detached from the filter, pass through the air, and contaminate a MAF unit (mass air flow meter). Oils designed specifically for foam air filters are too viscous to become airborne and migrate onto MAF units. All pre-oiled ITG Profilters have the correct amount of oil applied and will not cause any issues with MAF units.

**Under no circumstances use cotton gauze filter oil, engine oil or any other oil not specifically manufactured for foam air filters.**

### Oiling your filter

Read the label on the can prior to spraying and use in an open, well ventilated area. Holding the aerosol about 25mm/1" from the filter, spray in a circular motion all over the foam surface until the coarse foam pores just start to fill up with oil. Then, wearing protective gloves use your finger tips to 'massage' the oil deep into the foam.

The aerosol contains a mix of oil concentrate and a thinning agent which helps the oil to penetrate deep into the foam. The thinning agent will evaporate off after around 5-10 minutes, so it is important to massage the oil into the foam as soon as it is applied to ensure the oil works its way through to the fine, inner layer of foam. If you think you have over oiled your filter, you can dab the surface of the foam with a strong absorbent paper tissue/paper kitchen towel, which will remove most of the excess oil.

Your filter is now ready to install.