

PERRIN

Foam Filter Prep, Install and Cleaning

2024-12-02

Filter Cleaning101



WARNING: This product can expose you to chemicals including Lead which is known to the State of California to cause cancer birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Info About Your PERRIN Foam Filter

PERRIN Foam Filters provide superior cleaning performance and airflow compared to other filter types. Their innovative design, featuring special sticky oil and non-linear airflow passages, enables dirt to be captured throughout the entire filter, not just on the surface. This ensures effective filtration while maintaining high airflow rates. Because these filters hold more dirt than standard “cotton/gauze” or “dry flow” filters, they require a more thorough cleaning. Additionally, they need specific preparation and re-oiling to function optimally. Be sure to carefully read the instructions below before proceeding!

New Foam Filter Preparation

Every new PERRIN Foam Filter will come pre-oiled with the correct type of foam filter oil. In a production environment, the filters are oiled in a bath, then placed in a centrifuge to spin the oil out. When you get your new filter, you may notice that oil could be “pooled” in one area or in the bag. This is totally normal but must be cleaned up.

1. Using paper towels, thoroughly wipe all excess oil from foam portion of filter. We also recommend lightly compressing the foam with a paper towel to help absorb additional oil.
2. Wipe oil from all rubber surfaces on filter.
 - a. For Cone Filter types, remove hose clamps and wipe oil off of both sections that the hose clamps rest on. Then wipe off oil from inside of filter. This is a very important step to ensure the filter won't slide off your intake, or that the outer filter doesn't slide off the inner cage.
 - b. On panel type filters, wipe oil from rubber surround (where it clamps to the intake tube).

Foam Filter Installation

Most importantly, do not over tighten hose clamps! If they are overtightened, they can cut into the rubber portions and cause a failure! Only use a nut driver (or screwdriver) to tighten filter as other tools can easily overtighten clamps. Make sure both clamps are loose before starting the installation.

1. Make sure and read above special notes about wiping excess oil from filter, or filter may slide off of intake as it is tightened up.
2. Start with leaving both sets of clamps loose, then slide filter onto the intake just far enough that the bottom clamp is resting on the straight section of the intake, NOT on the tapered part of the intake.
3. Hand tighten clamp that secures the filter to the intake tube just tight enough that the filter can't slide off. **NOTE: Take care to not over tighten clamp as this can damage the filter and/or cause the filter to squeeze off the end of the intake.**
4. Hand tighten larger clamp that secures the filter to the inner cage. Again, do not over tighten this clamp as this could cause the clamp to slip off and/or cause the filter to squeeze off the intake tube.
5. If filter wants to squeeze off as you tighten it, remove and wipe any excess oil from inside of rubber base and repeat the instructions.



PERRIN Foam Filter Cleaning

DO NOT throw away the filter! PERRIN Foam Filters will last the life of the car if they are properly taken care of. We recommend that your filter should be cleaned at least once a year or every 10,000 miles, depending on local dust and pollutant levels.

ONLY use a foam filter oil (thick and sticky) and cleaning kit (available at ATV stores). NEVER use a K&N type kit as the oil is too thin and will not stay on the filter, causing the filter to NOT capture dirt.

Here is a link to a video showing how to clean your filter! <https://www.youtube.com/watch?v=3RTjcleccIY&t=4s>

1. Use proper personal protection equipment (PPE) to protect your eyes and hands during the installation.
2. Remove PERRIN Foam Filter from your car.
 - a. For customers with cone type filters, alternatively, you can remove the outer filter from the cage instead of the entire filter from the intake.



Inner Cage

Outer Filter

3. Using a proper foam filter cleaning kit, or a biodegradable degreaser like Simple Green, spray down filter and massage cleaner into the foam. Then let it sit for 5 minutes to let the degreaser break down the oil and dirt. **NOTE: Use of improper cleaners will damage filter and void warranty.**
4. Rinse filter thoroughly and repeat the above process until clear, clean water rinses out of filter.
5. Let filter dry for 1-2 hours.
 - a. To speed up the drying process, you can use an air gun to blow water from the filter.
 - b. Do not put filter in an oven to dry!
6. Apply a light even coat of foam filter oil (typically in a spray can) on the foam portions of the filter, then massage oil into foam. Repeat this step one more time before proceeding. **NOTE: Use of improper oils will damage filter and void warranty.**
7. Clean up excess oil (especially around base of filter where it connects to intake pipe), then reinstall filter following the above foam filter installation instructions.

Questions, Comments and Suggestions Contact: Tech@PERRIN.com

Visit Our Website for Instant Chat Options at www.PERRIN.com

Call Our Tech Team at 503-693-1702