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> Uni Filter UP-107 Clamp-On Breather Instruction Manual

## 4into1 UP-107

# Uni Filter UP-107 Clamp-On Breather Instruction Manual

Model: UP-107 | Brand: 4into1

## 1. PRODUCT OVERVIEW

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The Uni Filter UP-107 is a 1-inch clamp-on breather filter designed to provide superior engine protection by keeping out dirt, dust, and mud. It utilizes open-cell polyurethane foam, which is wetted with specially developed filter oil to effectively trap contaminants.



Image: The Uni Filter UP-107, a compact clamp-on breather filter with a red foam element and a metal clamp, designed for engine air filtration.

Key features include:

- **New UNI washable urethane material:** Ensures durability and reusability.
- **Clamp-On Design:** Facilitates easy installation and removal.
- **Superior Filtration:** Protects engine components from harmful particles.

## 2. WHAT'S IN THE BOX

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Upon opening the package, you will find:

- 1 x Uni Filter UP107 Clamp-On Breather

## 3. SPECIFICATIONS

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Attribute	Detail
Brand	4into1
Model	UP-107
Manufacturer	Uni Filter
Item Weight	1.76 ounces
Product Dimensions	4 x 2.75 x 2.75 inches
Shape	Round
Material	Washable Urethane

## 4. SETUP (INSTALLATION)

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The Uni Filter UP-107 is designed for straightforward clamp-on installation. Ensure the engine is cool before beginning the installation process.

- 1. Identify Mounting Location:** Locate the existing breather filter or the designated intake point for the new filter. This is commonly found on secondary air pumps or crankcase ventilation systems.
- 2. Remove Old Filter (if applicable):** If replacing an existing filter, carefully remove it. Note how it was attached (e.g., foam insert, hose clamp).
- 3. Prepare Mounting Surface:** Clean the surface where the new filter will be clamped to ensure a secure and airtight fit.
- 4. Position the UP-107 Filter:** Slide the open end of the UP-107 filter onto the intake pipe or connection point.
- 5. Secure with Clamp:** Use the integrated hose clamp to firmly secure the filter in place. Tighten the clamp sufficiently to prevent air leaks but avoid over-tightening, which could damage the filter or the pipe.
- 6. Verify Fitment:** Gently tug on the filter to ensure it is securely attached and does not wobble.

*For specific vehicle applications, consult your vehicle's service manual or a qualified mechanic.*

## 5. OPERATING PRINCIPLES

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The Uni Filter UP-107 functions as a critical component in your vehicle's air intake system, specifically for breather or secondary air pump applications. Its open-cell polyurethane foam media is pre-oiled to create a sticky surface that effectively captures microscopic dirt, dust, and other airborne contaminants before they can enter sensitive engine components. This ensures a clean air supply, which is vital for optimal engine performance and longevity.

## 6. MAINTENANCE

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Regular maintenance of your Uni Filter UP-107 is crucial for its performance and lifespan, as it features a washable urethane material.

- 1. Inspection:** Periodically inspect the filter for excessive dirt buildup, tears, or damage. The frequency of inspection depends on your operating environment (e.g., dusty conditions require more frequent checks).
- 2. Cleaning:**

- Remove the filter from its mounting location.
  - Gently tap the filter to dislodge loose dirt.
  - Wash the filter using a specialized foam filter cleaner or a mild detergent and warm water. Avoid harsh chemicals or gasoline.
  - Rinse thoroughly with clean water until all cleaning solution is removed.
  - Allow the filter to air dry completely. Do not use compressed air or heat, as this can damage the foam.
3. **Re-oiling:** Once completely dry, re-oil the foam filter with a high-quality foam filter oil. Apply the oil evenly, ensuring full saturation, then gently squeeze out any excess. The filter should appear uniformly coated but not dripping.
  4. **Reinstallation:** Reinstall the cleaned and re-oiled filter following the steps in the "Setup" section.

## 7. TROUBLESHOOTING

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If you experience issues related to your Uni Filter UP-107, consider the following:

- **Reduced Airflow/Engine Performance:** This could indicate a clogged filter. Perform routine maintenance (cleaning and re-oiling) as described in Section 6.
- **Filter Not Seating Properly:** Ensure the clamp is correctly positioned and tightened. Check for any obstructions preventing a flush fit.
- **Visible Damage to Filter:** If the foam is torn or severely degraded, the filter needs to be replaced to ensure proper filtration.
- **Unusual Engine Noises:** Double-check that the filter is securely clamped and there are no air leaks around the connection point.

*If problems persist, consult a professional mechanic or refer to your vehicle's specific repair manual.*

## 8. WARRANTY AND SUPPORT

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For information regarding warranty coverage, product returns, or technical support, please refer to the official 4into1 website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

### Online Resources:

- [4into1 Amazon Store](#)