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> AUTOVIC Air Intake Pre Filter Screen Instruction Manual for Polaris Ranger Models 400, 500, 700, 800, 900

## AUTOVIC 5812253

# AUTOVIC Air Intake Pre Filter Screen Instruction Manual

**Brand:** AUTOVIC | **Model:** 5812253

## 1. INTRODUCTION

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The AUTOVIC Air Intake Pre Filter Screen is designed to protect your vehicle's engine by filtering out dust, dirt, debris, and other airborne contaminants before they reach the main air filter. This pre-filter acts as a primary barrier, significantly reducing the amount of particulate matter entering the engine's intake system. Regular use and maintenance of this pre-filter contribute to improved engine efficiency and extended engine life.

## **AUTOVIC Air Intake Pre Filter Screen Improve the efficiency of combustion and improve the motivation**

If the air intake foam tears or deteriorates, it will allow a large amount of extra dirt and debris to enter your air intake system, causing damage to the engine or clutch.

The new filter sponge can avoid this problem.



Image 1: The AUTOVIC Air Intake Pre Filter Screen installed in a Polaris Ranger, illustrating its function in filtering air before it enters the engine.

## **2. COMPATIBILITY**

This AUTOVIC Air Intake Pre Filter Screen (OEM Part Number 5812253) is compatible with various Polaris Ranger models. Please verify your vehicle's specific model before installation.

- Polaris Ranger 400
- Polaris Ranger 500
- Polaris Ranger 700
- Polaris Ranger 800
- Polaris Ranger 900
- Polaris Ranger 2x4, 4x4, 6x6 configurations
- Polaris Ranger XP, EFI, and CREW models

Image 2: Detailed fitment information for AUTOVIC Air Intake Pre Filter Screen, showing compatibility with various Polaris Ranger models.

## **3. PRODUCT FEATURES**

The AUTOVIC Air Intake Pre Filter Screen offers robust protection and performance for your vehicle's engine:

- **High-Quality Foam Material:** Constructed from heavy-duty filter foam, ensuring durability and effective filtration.
- **Enhanced Filtration Efficiency:** Designed to achieve up to 98% filter efficiency, significantly reducing the ingress of dust, soot, dirt, and other airborne contaminants.
- **Engine Protection:** Acts as a crucial barrier against harmful particles, preventing damage to the

engine and clutch systems.

- **Improved Engine Performance:** By maintaining a cleaner air intake, the filter helps improve combustion efficiency and overall engine motivation.
- **OEM Standard Quality:** Manufactured to meet or exceed original equipment manufacturer (OEM) quality standards.

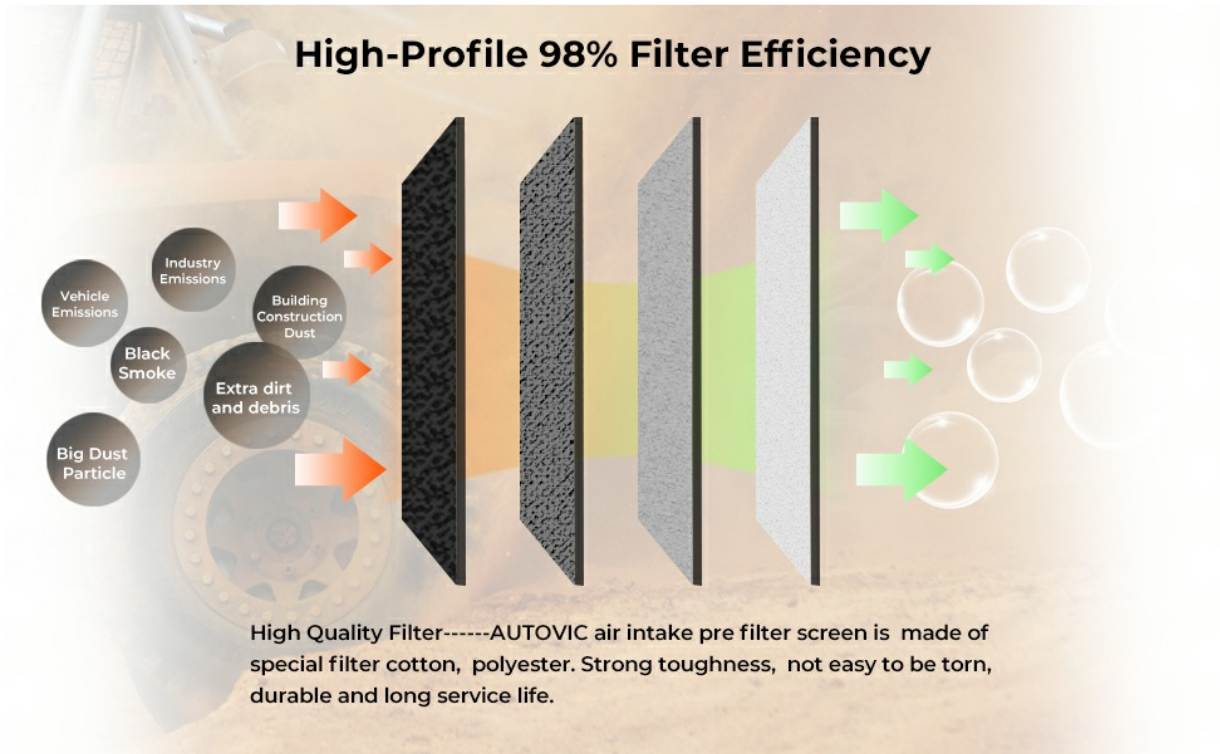


Image 3: Visual representation of the pre-filter's effectiveness against various airborne contaminants, highlighting 98% filter efficiency.

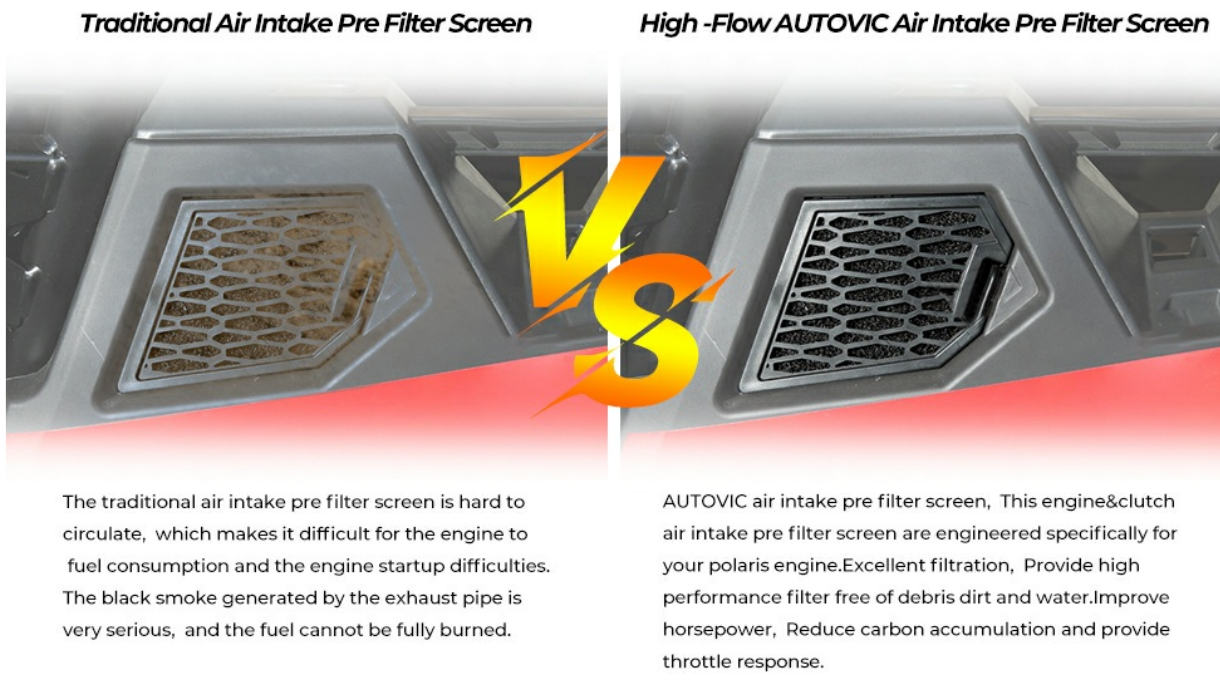


Image 4: Close-up view of the pre-filter, emphasizing its advanced filter technology and quality construction.

## 4. SETUP AND INSTALLATION

Installing the AUTOVIC Air Intake Pre Filter Screen is a straightforward process. Follow these general steps:

1. **Locate Intake Points:** The clutch air intake is typically located on the right side of the vehicle, while the engine intake pre-filter is on the left side. Refer to your vehicle's service manual for exact locations.
2. **Access Filter Compartment:** Carefully open or remove the cover protecting the existing air intake pre-filter.
3. **Remove Old Filter:** Extract the old or damaged pre-filter. Inspect the compartment for any debris and clean as necessary.
4. **Insert New Filter:** Gently insert the new AUTOVIC Air Intake Pre Filter Screen into the designated compartment. Ensure it sits securely and completely covers the intake opening.
5. **Secure Cover:** Reattach the cover or close the compartment securely.

*Note:* If the new filter appears compressed upon arrival, refer to the Troubleshooting section for guidance on restoring its shape before installation.



Image 5: Illustration showing the typical locations of the clutch air intake (right side) and engine intake pre-filter (left side) on a Polaris Ranger.

## 5. OPERATING INSTRUCTIONS

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The AUTOVIC Air Intake Pre Filter Screen operates continuously as a passive filtration component. Once installed, it immediately begins to filter incoming air, protecting your engine from harmful particles. No active user intervention is required during operation. Ensure the filter is correctly seated and the intake covers are secured to maintain optimal performance.

## 6. MAINTENANCE

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Regular inspection and maintenance of your air intake pre-filter are essential for optimal engine health and performance:

- **Periodic Inspection:** Periodically inspect the pre-filter for accumulation of dirt, dust, and debris. The frequency of inspection depends on your operating environment and usage.
- **Cleaning:** If the pre-filter is dirty but not damaged, it can often be cleaned. Gently remove the filter and clean it according to your vehicle's service manual recommendations, typically by washing with mild soap and water, then allowing it to air dry completely.
- **Replacement:** Replace the pre-filter if it shows signs of tearing, deterioration, or if it cannot be adequately cleaned. A damaged or clogged pre-filter can restrict airflow, negatively impacting engine performance and potentially allowing contaminants to reach the main air filter or engine.



Image 6: The importance of a functional pre-filter; a torn or deteriorated filter can allow debris to damage the engine or clutch.

## 7. TROUBLESHOOTING

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Here are solutions to common issues you might encounter with your AUTOVIC Air Intake Pre Filter Screen:

- **Filter Appears Compressed:** Some filters may arrive compressed due to packaging. To restore its original shape, you can gently rinse the filter in warm water and allow it to air dry, or use a hair dryer on a low heat setting, keeping it moving to avoid melting the foam.
- **Reduced Airflow After Installation:** If you notice reduced airflow or engine performance after installing a new filter, ensure the filter is correctly seated and not obstructing the intake. Verify that the filter's internal holes are not significantly smaller than the factory specifications, which could cause excessive restriction.
- **Filter Deterioration:** If the filter foam tears or crumbles, it must be replaced immediately to prevent engine damage.

## 8. SPECIFICATIONS

Specification	Detail
Brand	AUTOVIC
Model Number (OEM Part Number)	5812253
Material Type	Foam
Item Weight	2.29 ounces
Package Dimensions	7.72 x 7.01 x 4.17 inches
Fit Type	Vehicle Specific Fit

## 9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your AUTOVIC Air Intake Pre Filter Screen, please refer to the product packaging or contact AUTOVIC customer service directly. Specific contact details are typically provided with the product at the time of purchase.