

Rtunes Racing AF3R

Rtunes Racing RED 3" (76mm) Inlet Cold Air Cone Dry Air Filter Instruction Manual

Model: AF3R

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Rtunes Racing RED 3" (76mm) Inlet Cold Air Cone Dry Air Filter. Please read this manual thoroughly before installation and retain it for future reference.

PRODUCT OVERVIEW

The Rtunes Racing Cold Air Cone Dry Air Filter is designed to enhance engine performance by providing high airflow and superior filtration. It is a universal replacement filter suitable for various cold air intake systems.

- **Universal Fit:** Designed as a replacement for various air intake systems.
- **High Airflow:** Engineered to increase horsepower and throttle response.
- **Dual Layer Filtration:** Constructed with two layers of mesh material for effective particle capture.
- **Washable & Reusable:** Can be cleaned and reused, offering long-term value.
- **Easy Installation:** Comes with a stainless steel clamp for straightforward assembly.



Figure 1: The Rtunes Racing RED 3" Cold Air Cone Dry Air Filter, showcasing its conical shape and red filter material.



Figure 2: Detailed dimensions of the air filter, including its 3-inch inlet diameter, 5.25-inch height, and 6.25-inch base width.

Product Display Video:

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Video 1: A product display video showcasing the air intake filter from various angles, highlighting its design and features.

SETUP AND INSTALLATION

The Rtunes Racing Cold Air Cone Dry Air Filter is designed for easy installation. No additional parts are typically needed beyond what is included.

1. **Prepare the Intake System:** Ensure the existing air intake system is clean and free of debris. If replacing an old filter, remove it and clean the intake pipe thoroughly.
2. **Attach the Clamp:** Loosen the included stainless steel clamp and slide it over the rubber neck of the new air filter.
3. **Connect to Intake Pipe:** Slide the rubber neck of the air filter onto the intake pipe. Ensure a snug fit.
4. **Secure the Clamp:** Tighten the stainless steel clamp securely around the intake pipe and the filter's rubber neck. Do not overtighten.
5. **Verify Connection:** Double-check that the filter is firmly attached and there are no gaps that could allow unfiltered air to enter the engine.

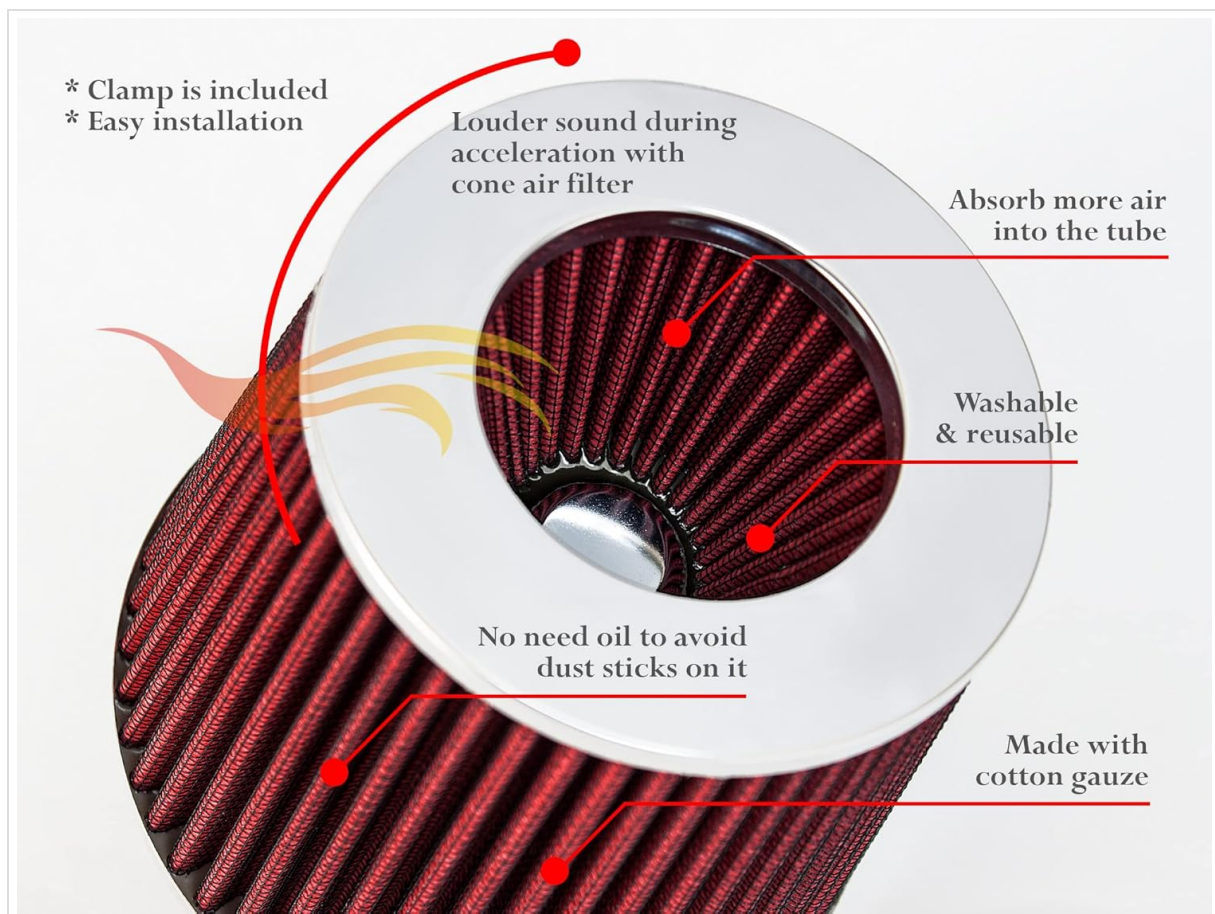


Figure 3: An example of the air filter installed within an engine bay, connected to the intake system.

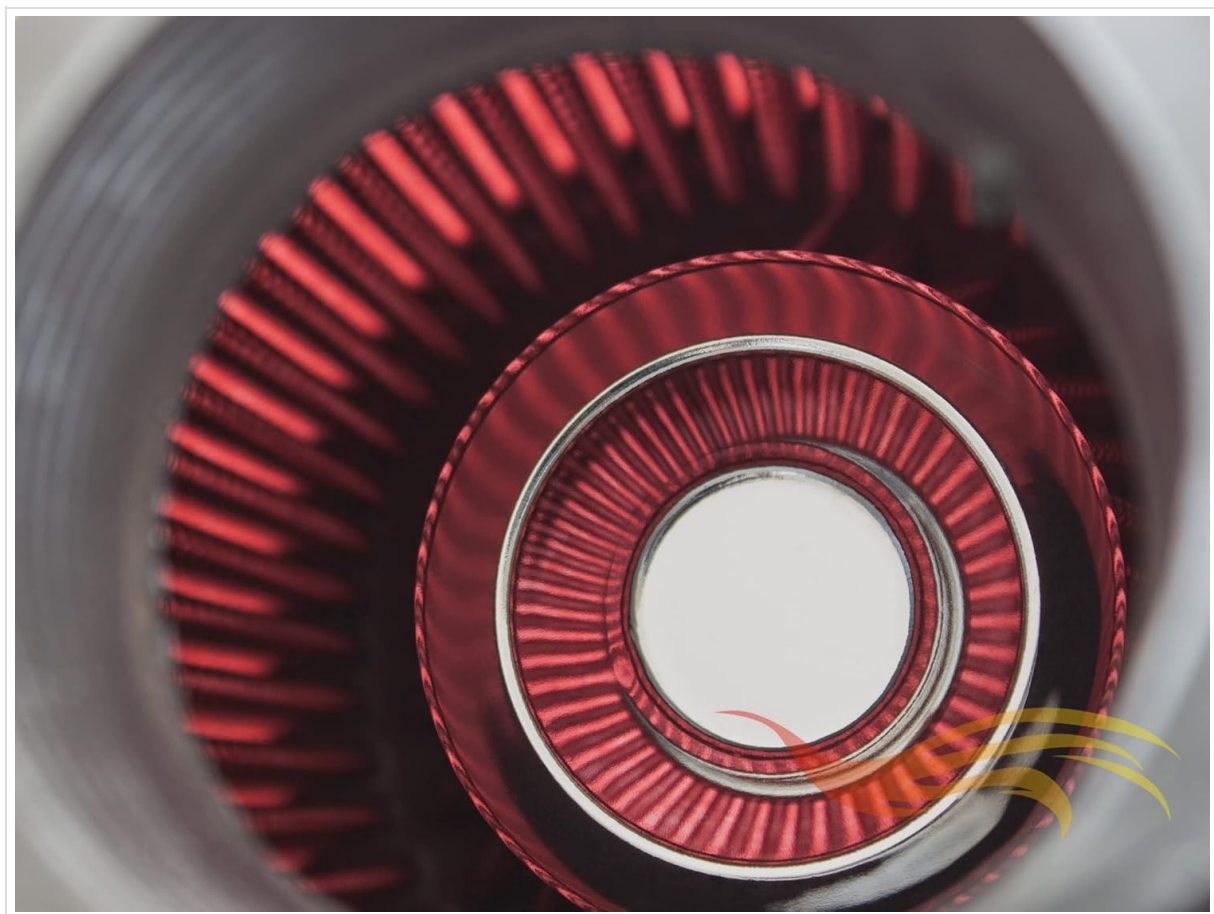


Figure 4: A close-up view of the stainless steel clamp securing the air filter to the intake pipe, highlighting the connection point.

Installation and Assembly Video:

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Video 2: This video demonstrates the unboxing and assembly process of a universal clamp-on air intake filter, providing a visual guide for installation.

OPERATING INSTRUCTIONS

Once installed, the Rtunes Racing Cold Air Cone Dry Air Filter operates automatically as part of your vehicle's air intake system. It is designed to provide consistent high-performance airflow and filtration without requiring user intervention during normal vehicle operation.

The filter's design may result in a slightly louder sound during acceleration compared to a stock air filter, due to increased airflow.

MAINTENANCE

The Rtunes Racing Cold Air Cone Dry Air Filter is washable and reusable, designed for long-term use. Regular cleaning is essential to maintain optimal performance and engine protection.

Cleaning Procedure:

1. **Remove the Filter:** Carefully detach the air filter from the intake pipe by loosening the clamp.
2. **Clean Excess Debris:** Gently tap the filter to remove any loose dirt or debris.
3. **Wash:** Use a mild soap and water solution to wash the filter. Rinse thoroughly with water until all soap residue is gone and the water runs clear.
4. **Dry:** Allow the filter to air dry completely before reinstallation. Do not use compressed air or heat, as this can damage the filter material.
5. **Reinstall:** Once completely dry, reinstall the filter following the "Setup and Installation" steps.

It is recommended to check the filter every 5,000 miles to assess its condition and determine if cleaning is necessary.



Figure 5: Visual guide demonstrating the three easy steps for cleaning a washable and reusable dry air filter: clean, wash, and rinse.



Figure 6: An illustration emphasizing that this is a dry filter, requiring no oil, and recommends checking every 5,000 miles.

TROUBLESHOOTING

If you encounter issues with your Rtunes Racing air filter, consider the following common problems and

solutions:

- **Reduced Engine Performance:**
 - Check if the filter is dirty and requires cleaning. A clogged filter restricts airflow.
 - Ensure the filter is securely clamped to the intake pipe, preventing air leaks.
- **Unusual Engine Noises:**
 - Verify that all connections are tight and the filter is not loose.
 - Inspect the filter for any damage or tears in the mesh material.
- **Filter Degradation:**
 - If the filter material or structure shows signs of degradation (e.g., tearing, crumbling), replace the filter immediately to prevent engine damage.
 - Ensure the filter is not exposed to excessive heat or harsh chemicals that could compromise its integrity.



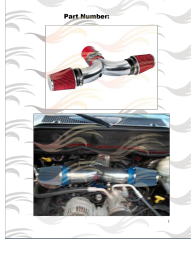



If problems persist after checking these points, consult a professional mechanic.

SPECIFICATIONS

Brand	Rtunes Racing
Model Number	AF3R
Product Dimensions	6.25"L x 6.25"W x 5.25"H
Inlet Diameter	3 inches (76 mm)
Shape	Conical
Filter Material	Cotton Gauze (two layers of mesh)
Washable & Reusable	Yes
Item Weight	1.06 pounds
UPC	615213973098

WARRANTY AND SUPPORT

For specific warranty information and customer support, please refer to the official Rtunes Racing website or contact their customer service directly. General return policies may apply as per the retailer's terms. This product is from a small business brand. Support small businesses.

 <p>Part Number: SI-HY008</p>	<p>Rtunes Racing SI-HY008 Cold Air Intake Installation Guide for Hyundai Sonata/Optima 2.4L</p> <p>Detailed installation instructions for the Rtunes Racing SI-HY008 Short Ram Cold Air Intake System, designed for 2011-2014 Hyundai Sonata and Optima models with a 2.4L I4 engine.</p>
 <p>Part Number: SI-CR002</p>	<p>Rtunes Racing SI-CR002 Cold Air Intake Installation Guide for Chrysler PT Cruiser</p> <p>Step-by-step installation instructions for the Rtunes Racing SI-CR002 Cold Air Intake system on 2003-2006 Chrysler PT Cruiser Turbo 2.4L L4 models. Includes part list and important notes.</p>
 <p>Part Number: SI-DG009</p>	<p>Rtunes Racing SI-DG009 Short Ram Air Intake Installation Guide for Dodge Ram 5.7L Hemi</p> <p>Step-by-step installation instructions for the Rtunes Racing SI-DG009 Short Ram Air Intake System for 2003-2008 Dodge Ram 5.7L Hemi V8 vehicles. Includes parts list, important notes, and contact information.</p>
 <p>Part Number: SI-CH026</p>	<p>Rtunes Racing SI-CH026 Cold Air Intake Installation Guide</p> <p>Detailed installation guide for the Rtunes Racing SI-CH026 Cold Air Intake (Short Ram Air Intake) system for 2011-2015 Chevy Cruze 1.4L Turbo models. Includes part list, step-by-step instructions with image descriptions, and a link to a universal bracket installation video.</p>
 <p>Part Number: SI-DG005</p>	<p>Rtunes Racing SI-DG005 Short Ram Air Intake Installation Guide for Dodge Dakota</p> <p>Step-by-step installation instructions for the Rtunes Racing SI-DG005 Short Ram Air Intake Kit for Dodge Dakota 3.7L and 4.7L engines. Includes part list and visual guidance.</p>
 <p>Part Number: SI-TY001</p>	<p>Rtunes Racing SI-TY001 Short Ram Air Intake Installation Guide for 1990-1997 Toyota Corolla 1.8L I4</p> <p>Comprehensive installation instructions for the Rtunes Racing SI-TY001 Short Ram Air Intake Kit designed for 1990-1997 Toyota Corolla 1.8L I4 models. Includes a detailed part list, essential pre-installation notes, step-by-step assembly guide, and contact information for support.</p>