

[Manuals.plus](#) /

› [Wix](#) /

› WIX Racing Filters WA10278 Air Filter Instruction Manual

Wix WA10278

WIX Racing Filters WA10278 Air Filter Instruction Manual

Model: WA10278

1. PRODUCT OVERVIEW

The WIX Racing Filters WA10278 is a high-quality air filter designed to provide superior filtration for automotive applications. It is engineered to deliver consistent performance and protect your engine from harmful contaminants, ensuring optimal engine health and efficiency.

This air filter is constructed from durable materials to meet or exceed strict quality requirements, offering reliability and longevity.



Figure 1: WIX Racing Filters WA10278 Air Filter. This image displays two views of the cylindrical air filter. One filter is shown upright, and the other is lying horizontally, showcasing its pleated filtration material and black rubber end caps.

2. INSTALLATION (SETUP)

Proper installation of your WIX Racing Filters WA10278 air filter is crucial for its performance and your vehicle's engine protection. Always refer to your vehicle's specific service manual for detailed instructions, as procedures may vary by make and model.

1. **Safety First:** Ensure the vehicle's engine is turned off and cool before beginning any work. Disconnect the negative terminal of the battery if required by your vehicle's manual.
2. **Locate Air Filter Housing:** Identify the air filter housing, typically a large plastic box connected to the engine's air intake system.
3. **Open Housing:** Unclip or unscrew the fasteners securing the air filter housing cover. Carefully remove the cover.
4. **Remove Old Filter:** Take out the old air filter. Note its orientation to ensure the new filter is installed correctly.
5. **Clean Housing:** Inspect the air filter housing for any debris, leaves, or dust. Clean the housing thoroughly before installing the new filter.
6. **Install New Filter:** Insert the WIX WA10278 air filter into the housing, ensuring it fits snugly and is oriented correctly. The rubber seals should sit flush within the housing.
7. **Secure Housing:** Replace the air filter housing cover and secure all clips or screws. Ensure the housing is sealed properly to prevent unfiltered air from entering the engine.
8. **Final Check:** Double-check all connections and ensure no tools or loose items are left in the engine bay.

If you are unsure about any step, it is recommended to consult a qualified mechanic.

3. OPERATING PRINCIPLES

The WIX Racing Filters WA10278 functions by filtering airborne contaminants before they enter your vehicle's engine. As the engine draws in air for combustion, the filter's pleated media traps dust, pollen, dirt, and other particles. This process ensures that only clean air reaches the engine, preventing wear on internal components and maintaining optimal fuel efficiency and power output.

A clean air filter is essential for proper engine operation, as a clogged filter can restrict airflow, leading to reduced performance and increased fuel consumption.

4. MAINTENANCE

Regular maintenance of your air filter is vital for engine longevity and performance. The WIX WA10278 air filter is designed for replacement rather than cleaning.

- **Inspection:** Periodically inspect the air filter for visible signs of dirt, debris, or damage. This can be done during routine oil changes or vehicle inspections.
- **Replacement Interval:** Air filters should typically be replaced every 12,000 to 15,000 miles or once a year, whichever comes first. However, this interval can vary significantly based on driving conditions (e.g., dusty environments may require more frequent replacement) and your vehicle manufacturer's recommendations.
- **Signs of a Clogged Filter:**
 - Decreased fuel efficiency
 - Reduced engine power or acceleration
 - Unusual engine sounds
 - Check Engine light illumination (in some cases)

Always replace the filter with a new WIX WA10278 or an equivalent filter that meets the manufacturer's specifications.

5. TROUBLESHOOTING

Most issues related to air filters stem from improper installation or neglecting replacement. Here are common troubleshooting tips:

- **Engine Performance Issues (Reduced Power, Poor Fuel Economy):**
 - **Cause:** Clogged or dirty air filter restricting airflow.
 - **Solution:** Inspect the air filter. If it appears dirty or discolored, replace it with a new WIX WA10278 filter.
- **Unusual Engine Noises:**
 - **Cause:** Air filter housing not properly sealed, allowing unfiltered air or creating a whistling sound.
 - **Solution:** Re-check the air filter housing cover and ensure all clips or screws are securely fastened. Verify the filter is seated correctly.
- **Check Engine Light:**
 - **Cause:** While less common for just an air filter, a severely restricted air filter can sometimes trigger engine codes related to air-fuel mixture.
 - **Solution:** Replace the air filter. If the light persists, consult a mechanic for a diagnostic scan.

If troubleshooting steps do not resolve the issue, seek professional automotive service.

6. SPECIFICATIONS

Attribute	Detail
Brand	Wix
Model Number	WA10278
Item Weight	3 pounds
Product Dimensions	8 x 16 x 8 inches
Manufacturer Part Number	WA10278
UPC	765809297555
Automotive Fit Type	Vehicle Specific Fit

7. WARRANTY AND SUPPORT

WIX Racing Filters products are manufactured to high-quality standards. For specific warranty information regarding your WA10278 air filter, please refer to the documentation included with your purchase or visit the official Wix website.

If you have questions about fitment, installation, or performance, please contact Wix customer support directly. Contact information can typically be found on the product packaging or the manufacturer’s official website.

For general inquiries or to find a local distributor, you may visit the [Wix Filters official website](#).

