

Patriot H3952

Patriot Exhaust H3952 Side Exhaust Replacement Muffler User Manual

Model: H3952

1. PRODUCT OVERVIEW

The Patriot Exhaust H3952 Side Exhaust Replacement Muffler is designed to provide a custom aesthetic and enhanced performance for your vehicle. It features large inlet and outlet pipes combined with low back pressure six-sided louvered core mufflers, engineered to produce a distinctive power tone. This system offers complete installation flexibility due to its full 360-degree rotation feature on both the inlet and outlet pipes, simplifying alignment and fitment. Mounting hardware is included for convenience.



Figure 1.1: The Patriot Exhaust H3952 Side Exhaust Replacement Muffler. This image displays the cylindrical muffler component, typically black or dark-colored, with an inlet and outlet pipe visible at either end, designed for vehicle exhaust systems.

2. SAFETY INFORMATION

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

Always exercise caution when working on vehicle exhaust systems. Exhaust components can become extremely hot during operation and remain hot for a significant period after the engine is turned off. Allow the vehicle to cool completely before beginning any installation or maintenance.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath it.
- Do not operate the vehicle in an enclosed space without proper ventilation to avoid carbon monoxide poisoning.
- Consult a professional mechanic if you are unsure about any step of the installation process.

3. PARTS LIST

The Patriot Exhaust H3952 Side Exhaust Replacement Muffler package includes the following components:

- Patriot Exhaust H3952 Muffler Assembly
- Mounting Hardware (bolts, nuts, clamps as required for typical installation)

Inspect all components upon receipt to ensure no parts are missing or damaged. Contact your vendor immediately if any discrepancies are found.

4. SETUP AND INSTALLATION

Installation of the Patriot Exhaust H3952 muffler requires mechanical aptitude and appropriate tools. Professional installation is recommended.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Allow the exhaust system to cool completely. Lift the vehicle safely using a hoist or jack stands.
2. **Remove Old Muffler:** Carefully unbolt or cut the existing muffler from the exhaust system. Take care not to damage other exhaust components or sensors.
3. **Position New Muffler:** Align the Patriot H3952 muffler with the existing exhaust piping. The 360-degree rotation feature on both inlet and outlet pipes allows for flexible positioning to achieve the desired fit and angle.
4. **Secure Muffler:** Use the provided mounting hardware to securely attach the new muffler to the exhaust system. Ensure all connections are tight to prevent exhaust leaks.
5. **Check Clearance:** Verify that the installed muffler has adequate clearance from all vehicle components, including suspension, fuel lines, and body panels, to prevent heat damage or rattling.
6. **Final Inspection:** Lower the vehicle and start the engine. Check for any exhaust leaks and listen for the distinctive power tone. Address any leaks immediately.

For optimal performance and longevity, ensure all connections are sealed properly and the muffler is securely mounted to prevent excessive vibration.

5. OPERATING CHARACTERISTICS

The Patriot Exhaust H3952 muffler is designed to deliver a specific auditory experience and performance characteristic:

- **Distinctive Power Tone:** The six-sided louvered core mufflers are engineered to produce a unique and aggressive exhaust note, enhancing the vehicle's presence.
- **Low Back Pressure:** The design promotes efficient exhaust gas flow, which can contribute to improved engine performance and responsiveness.

The sound level and character may vary depending on the vehicle's engine, other exhaust components, and overall vehicle setup.

6. MAINTENANCE

The Patriot Exhaust H3952 muffler is constructed for durability. Regular maintenance of your vehicle's exhaust system can help ensure its longevity and proper function.

- **Periodic Inspection:** Regularly inspect the muffler and all exhaust connections for signs of corrosion, cracks, loose clamps, or leaks.
- **Cleanliness:** While not strictly necessary for function, keeping the exterior of the muffler clean can help prevent surface corrosion, especially in areas exposed to road salt or harsh weather.
- **Address Issues Promptly:** Any unusual noises, vibrations, or exhaust smells should be investigated and repaired by a qualified technician immediately.

7. TROUBLESHOOTING

If you encounter issues after installing your Patriot Exhaust H3952 muffler, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Excessive Noise / Rattling	Loose mounting hardware; contact with vehicle components; internal muffler damage.	Check and tighten all mounting hardware. Ensure adequate clearance. Inspect muffler for damage.
Exhaust Leaks	Improperly sealed connections; damaged gaskets/clamps; cracks in piping.	Inspect all joints and connections. Replace damaged gaskets or clamps. Apply exhaust sealant if necessary.
Unusual Vibrations	Muffler contacting vehicle frame; loose hangers; misaligned exhaust system.	Verify muffler clearance. Check and replace worn or damaged exhaust hangers. Realign exhaust system.

If problems persist after attempting these solutions, it is advisable to consult a professional automotive technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	H3952
Brand	Patriot
Item Dimensions (L x W x H)	3 x 3 x 44 inches

Feature	Detail
Item Weight	9.6 pounds
Vehicle Service Type	Car
Exterior Finish	Chrome
UPC	694342501464
Manufacturer Part Number	H3952

9. WARRANTY AND SUPPORT

The Patriot Exhaust H3952 Side Exhaust Replacement Muffler comes with a **Limited One Year Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For warranty claims, technical support, or further assistance, please contact Patriot Exhaust customer service through their official website or authorized dealers. Keep your proof of purchase for warranty validation.

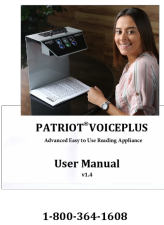



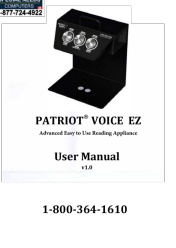



Figure 9.1: The official logo for Patriot Exhaust Products. This logo typically features the brand name "PATRIOT" in a stylized font, often accompanied by "EXHAUST PRODUCTS" below it, representing the manufacturer.

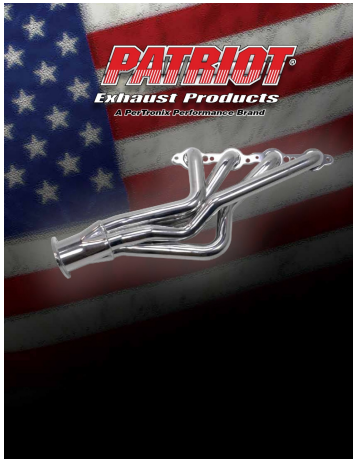
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This manual is for informational purposes only. Patriot Exhaust Products is not responsible for any damage or injury resulting from improper installation or use of this product.

Related Documents - H3952

 <p>The image shows the cover of the "PATRIOT VOICE PLUS Advanced Easy-to-Use Reading Appliance User Manual". It features a photograph of a woman smiling next to the reading appliance. Below the photo, the text reads "PATRIOT VOICE PLUS", "Advanced Easy-to-Use Reading Appliance", "User Manual", and "1-800-364-1608".</p>	<p>Patriot VOICE PLUS Reading Appliance User Manual - Setup, Features, and Alexa Integration</p> <p>Comprehensive user guide for the Patriot VOICE PLUS, an advanced reading appliance. Covers setup, operation, voice commands with Amazon Alexa, WiFi connectivity, and detailed specifications.</p>
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	<p>Patriot H8049 Long Tube Headers Installation Instructions & Warranty</p> <p>Detailed installation instructions and warranty information for Patriot H8049 Long Tube Headers, designed for 1967-1987 Chevrolet/GMC Pickup trucks and 1969-1991 Blazer, Jimmy, Yukon, and Tahoe models with 265-400 cubic inch engines.</p>
	<p>Patriot VOICE EZ Advanced Reading Appliance User Manual</p> <p>User manual for the Patriot VOICE EZ, an advanced, easy-to-use reading appliance designed to read mail, newspapers, books, and more aloud. Learn operation, controls, and specifications.</p>
	<p>Patriot DPT3080251EAC1 Pressure Washer Parts Breakdown</p> <p>Detailed parts breakdown for the Patriot DPT3080251EAC1 pressure washer. This document lists all components, part numbers, and quantities for the 65013 IPL PATRIOT SKID 3080 model, featuring a Honda engine. Includes contact information for Allparts Equipment & Accessories Inc.</p>
	<p>Patriot 110 Seed Tender Owner's Manual - Operation and Safety Guide</p> <p>Comprehensive owner's manual for the Patriot 110 Seed Tender, covering operation, safety procedures, maintenance, troubleshooting, and technical specifications. Learn how to safely and efficiently use your Patriot Seed Tender.</p>
	<p>Patriot Gas Countertop Griddle Installation & Operation Manual</p> <p>Comprehensive installation, operation, safety, cleaning, and troubleshooting guide for Patriot Manually Controlled Gas Countertop Griddle models PT-G24-M, PT-G36-M, and PT-G48-M. Includes warranty information and conversion instructions.</p>



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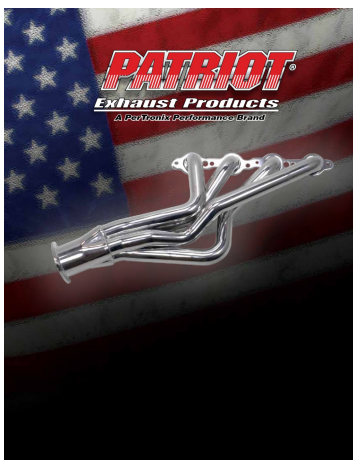


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