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Flowmaster 81106 Scavenger Series X-Pipe Kit Installation and User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Flowmaster 81106 Scavenger Series X-Pipe Kit. This kit is specifically designed for 2011-2014 Ford Mustang GT models equipped with a 5.0L engine. The Scavenger X-pipe assembly is engineered to modify the exhaust note and enhance the sound level of your vehicle. It can be integrated with existing factory rear muffler sections or used as an upgrade alongside Flowmaster's Axle-back exhaust systems. The components are constructed from 3.00-inch stainless steel mandrel-bent tubing, ensuring durability and optimal flow.



Image 1: Top view of the Flowmaster 81106 Scavenger Series X-Pipe Kit, showcasing its stainless steel construction and mandrel-bent tubing.

Key Features:

- Flowmaster Reliability: Engineered for consistent performance and durability.
- 3.00" Mandrel Bent Tubing: Ensures maximum exhaust flow and performance.
- Stainless Steel Construction: Provides corrosion resistance and long-lasting quality.
- Dyno Tuned For Maximum Performance: Optimized design for enhanced vehicle performance.

2. WHAT'S IN THE Box

Upon unpacking your Flowmaster 81106 Scavenger Series X-Pipe Kit, please verify that all components are present and undamaged.

- Scavenger X-Pipe Assembly
- (Additional hardware such as clamps or hangers may be included; refer to the packaging for a complete list.)



Image 2: Front view of the Flowmaster 81106 Scavenger Series X-Pipe Kit, showing the symmetrical design.

3. SETUP AND INSTALLATION

Installation of the Flowmaster 81106 Scavenger Series X-Pipe Kit requires mechanical knowledge and specialized tools. It is highly recommended that installation be performed by a qualified professional to ensure proper fitment, safety, and optimal performance.

Safety Precautions:

- Always 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.
- Allow the exhaust system to cool completely before beginning work to prevent burns.
- Disconnect the vehicle's battery before starting any electrical work.

General Installation Steps (Consult a professional or detailed vehicle-specific guide for precise instructions):

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Lift and secure the vehicle.
2. **Removal of Factory Components:** Carefully unbolt and remove the existing factory X-pipe or H-pipe section from the exhaust system. Support the components to prevent damage.
3. **Installation of Flowmaster X-Pipe:** Position the Flowmaster Scavenger X-Pipe into place, aligning it with the existing exhaust components. Secure it using appropriate clamps or bolts. Ensure all

connections are tight to prevent exhaust leaks.

4. **Alignment and Clearance:** Verify that the new X-pipe has adequate clearance from all vehicle components (frame, suspension, fuel lines, etc.) to prevent rubbing or rattling.
5. **Final Inspection:** Double-check all connections for tightness. Start the engine and inspect for any exhaust leaks or unusual noises.



Image 3: Angled view of the Flowmaster 81106 X-Pipe, highlighting the weld points and overall structure.

4. OPERATING CHARACTERISTICS

The Flowmaster 81106 Scavenger Series X-Pipe Kit is designed to enhance the exhaust sound and improve the performance characteristics of your Ford Mustang GT 5.0L.

- **Sound Profile:** Expect a more aggressive and pronounced exhaust note compared to the factory setup. The X-pipe design helps to balance exhaust pulses, contributing to a smoother, higher-pitched tone.
- **Performance:** The mandrel-bent tubing and optimized design aim to reduce exhaust back pressure, potentially leading to improved horsepower and torque.
- **Break-in Period:** It is normal for new exhaust components to emit a slight odor or smoke during the initial few driving cycles as manufacturing oils and coatings burn off. This is temporary.

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Video 1: An official Flowmaster lifestyle video showcasing the manufacturing process and various vehicles equipped with Flowmaster exhaust systems, demonstrating the brand's commitment to performance technology.

5. MAINTENANCE

The Flowmaster Scavenger Series X-Pipe Kit is constructed from durable stainless steel and requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the X-pipe and all connections for signs of wear, damage, or leaks. Check for loose clamps or bolts.
- **Cleaning:** The stainless steel can be cleaned with mild automotive soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Corrosion:** While stainless steel is resistant to corrosion, exposure to road salt and harsh chemicals can still affect its appearance over time. Regular cleaning can help maintain its finish.

6. TROUBLESHOOTING

If you encounter issues with your Flowmaster X-Pipe Kit, consider the following common troubleshooting steps:

- **Exhaust Leaks:** If you hear a hissing sound or feel exhaust gases escaping, check all clamps and connections. Ensure they are tightened to the manufacturer's specifications. Leaks can also occur from improper welds; if suspected, professional inspection is advised.
- **Rattling or Vibrations:** This often indicates contact between the exhaust system and other vehicle components. Inspect for adequate clearance around the X-pipe and ensure all hangers are properly seated and not damaged.
- **Unusual Noises:** Beyond the expected enhanced exhaust note, any new, unusual noises (e.g., metallic clanking, buzzing) should be investigated. This could indicate a loose component or contact with the vehicle chassis.
- **Performance Issues:** While the X-pipe is designed to improve performance, significant drops in power or unusual engine behavior after installation should prompt a professional diagnostic check.

For persistent issues, it is recommended to consult with a certified automotive technician or contact Flowmaster customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Flowmaster
Model Number	81106
Product Type	Scavenger Series X-Pipe Kit
Vehicle Service Type	Car (specifically 2011-2014 Ford Mustang GT with 5.0L engine)
Material	Stainless Steel
Tubing Diameter	3.00 inches
Installation Type	Bolt-On

Automotive Fit Type	Universal Fit (Note: Product description specifies 2011-2014 Ford Mustang GT 5.0L)
Item Weight	11.75 pounds
UPC	700042036745
OEM Part Number	81106
Exterior Finish	Painted (Note: Refers to specific components or coating, main pipe is stainless steel)

8. WARRANTY AND SUPPORT

Flowmaster products are manufactured to high standards and are backed by a manufacturer's warranty. Specific warranty terms and conditions may vary by product and region.

For Warranty Information:

Please visit the official Flowmaster website or contact their customer service directly for the most current and detailed warranty policy applicable to your Scavenger Series X-Pipe Kit.

Customer Support:

If you require assistance with installation, troubleshooting, or have any questions regarding your Flowmaster product, please contact Flowmaster customer support.

Flowmaster Official Website: www.flowmastermufflers.com

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