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› Polini Black Collection Exhaust System User Manual

POLINI 190.0053 / Black

Polini Black Collection Exhaust System User Manual

Model: 190.0053 / Black

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Polini Black Collection Exhaust System, model 190.0053 / Black. Designed for Honda 300 SH scooters manufactured after 2015, this exhaust system is engineered for optimal performance and durability. It features a matte black finish and is CE approved (norm 97/24/EC cap.9).

The Polini Black Collection exhaust systems are known for their robust construction and reliability, offering exceptional mechanical resistance. They are designed to enhance engine performance, improving extension and recovery characteristics. The sound level is carefully managed using proven sound-absorbing materials to keep noise within legal limits.

IMPORTANT SAFETY WARNINGS

WARNING:

- Installation and use of this product should only be performed by individuals with the necessary skills and expertise. Improper installation can lead to serious injury or damage to the vehicle.
- Always ensure the engine is cool before attempting any installation or maintenance to prevent burns.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection, during installation and maintenance.
- Ensure the vehicle is stable and securely supported before working underneath it.
- Dispose of old parts and packaging materials responsibly and in accordance with local regulations.

PACKAGE CONTENTS

Please verify that all components listed below are present in your package:

- Polini Black Collection Exhaust Muffler (Matte Black)
- Exhaust Header/Adapter Pipe

- Mounting Clamp
- Mounting Bolts (typically 3)
- Washers
- Spacer/Bushing



Figure 1: Overview of the Polini Black Collection Exhaust System and its included installation components, such as the muffler, adapter pipe, mounting clamp, bolts, and washers.

SETUP AND INSTALLATION

This section outlines the general steps for installing the Polini Black Collection Exhaust System. Due to the specialized nature of this product, it is highly recommended that installation be performed by a qualified mechanic or technician.

1. Preparation:

- Ensure the scooter's engine is completely cool.
- Park the scooter on a stable, level surface and secure it to prevent movement.

- Gather all necessary tools (e.g., wrenches, sockets, torque wrench, penetrating oil).

2. Removal of Old Exhaust:

- Locate and loosen the mounting bolts and clamps securing the existing exhaust system to the engine manifold and frame.
- Carefully remove the old exhaust system. Be mindful of any gaskets or seals that may need replacement.

3. Installation of New Exhaust:

- Attach the new exhaust header/adaptor pipe to the engine manifold. Ensure a proper seal.
- Slide the Polini muffler onto the adapter pipe.
- Align the mounting points of the muffler with the scooter's frame.
- Insert the mounting bolts with washers and the spacer/bushing as required.
- Hand-tighten all bolts and clamps first to ensure proper alignment.
- Once aligned, progressively tighten all bolts and clamps to the manufacturer's specified torque settings. Do not overtighten.

4. Final Check:

- Double-check all connections for tightness and proper seating.
- Start the engine and listen for any exhaust leaks. If leaks are detected, re-tighten connections or inspect gaskets.
- Allow the engine to reach operating temperature and check for any unusual noises or vibrations.



Figure 2: The Polini Black Collection Exhaust System muffler, showcasing its matte black finish and Polini branding.



Figure 3: Close-up view of the essential installation components: the adapter pipe, mounting clamp, and various bolts and washers.

OPERATING INSTRUCTIONS

Once properly installed, the Polini Black Collection Exhaust System operates automatically as part of your scooter's engine system. No specific user interaction is required for its operation.

Key operational characteristics:

- **Enhanced Performance:** The exhaust system is designed to optimize engine performance, contributing to improved power delivery and throttle response.
- **Acoustics:** The system is engineered to produce a pleasant sound level while adhering to legal noise limits.
- **Heat Management:** Exhaust systems become very hot during operation. Avoid touching the exhaust pipe or muffler immediately after use to prevent burns.

MAINTENANCE

Regular maintenance will help prolong the life and maintain the performance of your Polini Black Collection Exhaust System.

- **Cleaning:** Periodically clean the exterior of the exhaust system with a soft cloth and a mild, non-abrasive cleaner. Avoid harsh chemicals that could damage the matte black finish. Ensure the exhaust is cool before cleaning.
- **Inspection:** Regularly inspect all mounting points, bolts, and clamps for tightness. Vibrations from scooter operation can cause fasteners to loosen over time.
- **Damage Check:** Check for any signs of physical damage, cracks, or corrosion on the exhaust pipe and muffler. Address any issues promptly to prevent further damage or performance degradation.
- **Gaskets and Seals:** If you notice any exhaust leaks, inspect the gaskets and seals at the manifold and pipe connections. Replace them if they show signs of wear or damage.



Figure 4: Detailed view of the exhaust outlet, showing the quality of construction and finish.

This section provides solutions to common issues you might encounter with your exhaust system.

Problem	Possible Cause	Solution
Loud exhaust noise / Exhaust leak	Loose connections, damaged gasket, crack in pipe/muffler.	Check and tighten all bolts and clamps. Inspect and replace damaged gaskets. If a crack is present, professional repair or replacement may be necessary.
Vibrations from exhaust	Loose mounting bolts, improper alignment, damaged mounting bracket.	Ensure all mounting bolts are securely tightened. Verify the exhaust system is properly aligned and not contacting other parts of the scooter. Inspect mounting brackets for damage.
Reduced engine performance	Significant exhaust leak, internal muffler damage, or other engine issues.	Check for leaks as described above. If no leaks are found, consult a professional mechanic as the issue may be internal to the exhaust or related to other engine components.

SPECIFICATIONS

Feature	Detail
Brand	POLINI
Model Number	190.0053 / Black
Color	Matte Black
Approval	CE Approved (Norm 97/24/EC Cap.9)
Compatibility	Honda 300 SH Scooter (models after 2015)
Item Weight	4.8 Kilograms
Product Dimensions	0.01 x 0.01 x 0.01 cm (approximate, as per source)
Manufacturer Part Number	190.0053 / Black
Availability of EU Spare Parts	10 Years

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Polini directly or refer to their official website. Keep your purchase receipt as proof of purchase for any warranty claims.

Polini provides a 10-year availability period for EU spare parts for this product.



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This manual is for informational purposes only. Polini is not responsible for any damages or injuries resulting from improper installation or use of this product.

