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HONDA GROM/MSX125 (22-25) PENTA-CARBON FULL SYSTEM INSTALLATION INSTRUCTIONS

The Penta-Carbon Full System for the Honda Grom/MSX125 is a high-performance full exhaust that replaces the OEM muffler, catalytic converter, and head pipe.

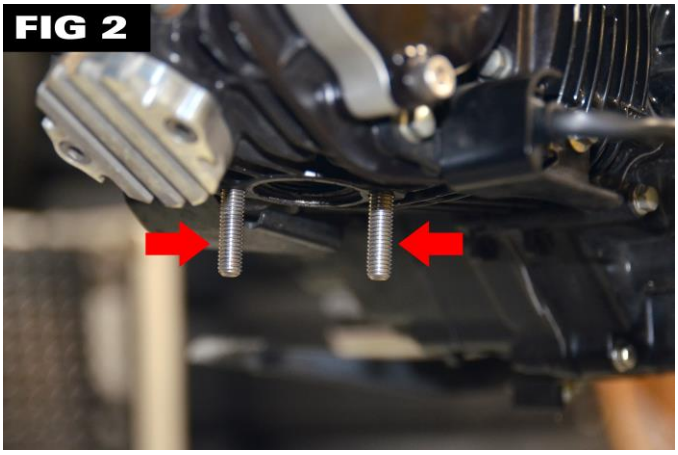
Check Package Contents:

The Package Contents Include:

1. One (1) Penta-Carbon Muffler
2. One (1) Head Pipe (w/ Head Pipe Flange)
3. One (1) Tail Pipe
4. One (1) Package Containing Springs, Spring Puller and Mounting Hardware
5. One (1) Packet Containing Instructions and Supplemental Information
6. One (1) Permatex™ Ultra Copper®

If your package contents differ, please contact Brock's Performance at 937-912-0054.

For additional installation support please refer to the OEM service manual.



Removal:

1. Following the OEM service manual, remove the factory license plate holder or "rear fender A." The license plate holder and rear turn signals are not compatible with this exhaust system.

Note: This exhaust system was designed to work in conjunction with the MNNTHBX V3 fender eliminator.

Note: OEM turn signals will need relocated or replaced (Motodynamic Integrated Tail Light available here.)

2. Support underside of exhaust and remove (1) rear catalytic converter mounting bolt *(Fig 1).*
3. Remove (2) head pipe flange nuts *(Fig 1).*
4. Remove OEM muffler-mounting bolt/nut from muffler *(Fig 1) (Muffler-mounting bolt/nut will not be reused).*
5. Remove OEM full exhaust system from the bike. *(Note exhaust gasket orientation during removal)*
6. Remove OEM head pipe studs from engine *(Fig 2).*

Installation:

Before installing the performance exhaust system, preassemble all components to check fitment. A slight ovaling of the exhaust tubing can occur during production; this is normal. Apply WD-40® to the pipe joints to ease assembly, adjustment, and disassembly.

1. Install removable collar-insert into collar *(Fig 3).*
2. Install collar into flange *(Fig 3).*
3. With the spring tab facing rear of bike, use the supplied socket head screws to secure to engine hand tight *(Fig 4).* Ensure collar-insert is flush against exhaust gasket as fitment may be snug.
4. Prior to installing the head pipe, apply a very thin layer of Permatex™ Ultra Copper® to the inside of the head pipe, no further than ½" (12.7 mm) into the pipe.
5. Install head pipe onto head pipe flange *(Fig 5).*
6. Install tail pipe onto head pipe *(Fig 5).*
7. Remove the forwardmost rear fender cap *(Fig 6).*
8. Install muffler onto tail pipe. Rotate tail pipe as needed to align muffler to mounting location.

Note: Ensure adequate clearance between muffler and any aftermarket license plate holders or turn signals.

9. Using the supplied socket head cap screw, washer, and spacer secure the muffler to the rear subframe hand tight *(Fig 7).*
10. Install springs from head pipe flange to head pipe, from head pipe to tail pipe, and from tail pipe to muffler *(Fig 8).*
11. Wiggle the entire system to ensure proper seating
12. Torque (2) head pipe screws to 10.8 lb-ft (14.7 N·m)
13. Torque muffler-mounting bolt to 15 lb-ft (20 N·m)
14. Use rubbing alcohol to wipe down the entire exhaust system to remove fingerprints.

FIG 3

FIG 4

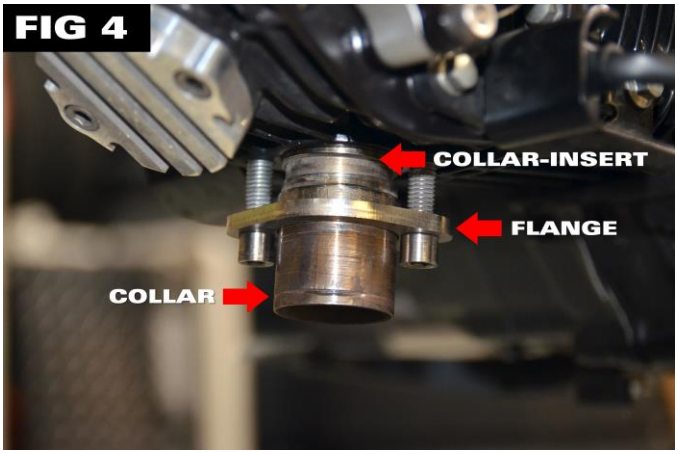


FIG 5

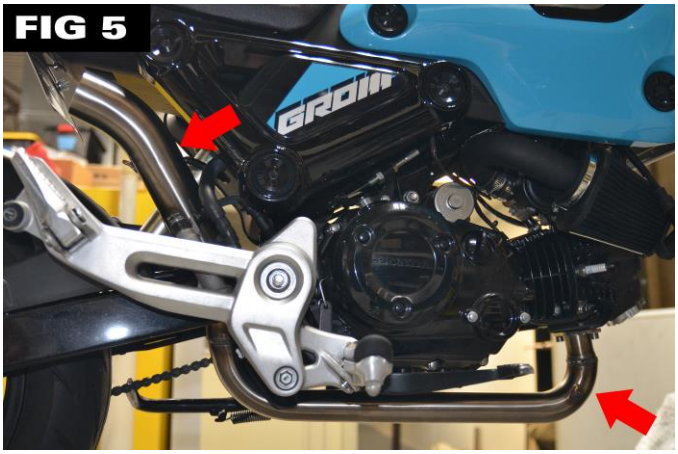
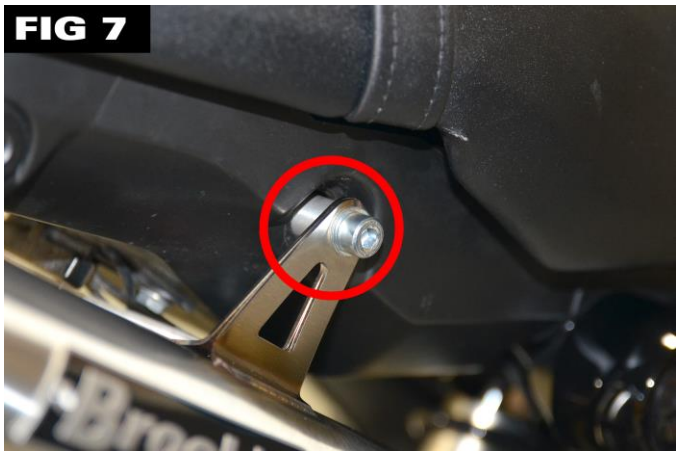
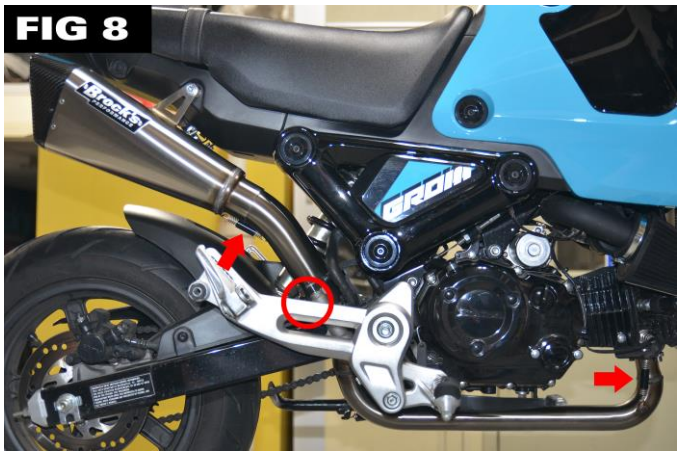


FIG 6





Caution: Failing to follow the steps below may result in damage to your bike!

DO NOT START BIKE UNTIL A MINIMUM OF A ¼-INCH (6 MM) CLEARANCE IS OBSERVED BETWEEN THE EXHAUST COMPONENTS AND ALL BODYWORK/PARTS.

- Failure to ensure proper clearance may result in burned plastic. Brock's Performance exhaust systems are designed to provide appropriate clearances. If minimum clearances are not obtained, remove the springs on the exhaust system and adjust until proper clearance is achieved.
- It is recommended that the entire exhaust system is wiped down with **rubbing alcohol** to remove oil and fingerprints before starting the bike. This will help prevent tarnishing of the finish after the bike has been started and the exhaust has heated up.
- **Fender eliminator kits are recommended on some models; see BrocksPerformance.com for more details.**

Congratulations! Installation is complete.

ALL BROCK'S PERFORMANCE PRODUCTS ARE DESIGNED FOR CLOSED-COURSE RACETRACK USE ONLY!

For more information on Brock's Performance Warranty and Terms and Conditions:
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