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[12-05 / #000290]

Mini Moto Installation

Thank you for purchasing the FMF muffler. We have spent countless hours of R & D and testing to insure you receive the highest quality product on the market today.

All FMF's products are developed using the most current technology available for design and manufacturing. We use only the highest quality materials for function and durability. Our mufflers are constructed from an aluminum canister with a stainless steel mandrel bent mid-pipe/header. Hi-Flo modular endcaps are fitted to both ends and we utilize advanced multi stage packing material.

Our muffler is specifically engineered to broaden your existing powerband and give you an all-around power increase with substantial weight savings. Bolt on FMF performance and FEEL THE POWER!

Check out our website at www.fmfracing.com for more information.

ATTENTION

This product is designed for closed course use only unless otherwise stated and not intended to meet emission regulations for use on public lands, roads, or access routes - consult with local jurisdictions.

Please read all instructions thoroughly before installation. Failure to follow all installation instructions completely will void any FMF warranty implied or otherwise. FMF Racing will not be held responsible for problems derived from improper installation and/or improper usage.

Before you begin installing this product, be sure you are wearing **eye protection** and gloves. You should have a complete understanding of how to remove and replace your stock exhaust. Otherwise, you should have it installed by a professional mechanic. Keep all OEM parts when removing your stock exhaust, as some parts may be necessary to install the FMF exhaust depending on your particular application.

PARTS SUPPLIED

(1) FMF Muffler

TOOLS REQUIRED

Various Wrenches
Vise Grip Pliers
Contact Cleaner
High Temp Silicone
WD-40®

REMOVAL

OEM = Original Equipment Manufacturer

1. Make sure the engine is completely cool prior to installation and the vehicle is in a stable position.
2. Remove the seat and/or side panels to gain access to the exhaust.
3. Remove and save heatshield for later installation if applicable. Keep hardware and shield for later use.
4. Remove the OEM bolts that attaches the header to the exhaust port. Keep for later use.
5. While holding the muffler, loosen and remove the rear OEM muffler mounting bolt.
6. Gently remove the muffler. Make sure to keep the existing exhaust port gasket. This will be reused if in good condition.

PRE-INSTALLATION

7. Using contact cleaner, clean the section of the exhaust port where the header attaches.
8. Insert the OEM exhaust port gasket into the exhaust port. Using High Temp Silicone will help give it an improved seal.

INSTALLATION

9. Install the FMF muffler/header onto the exhaust port using the existing nuts/bolts and loosely tighten. Wipe off any excess silicone.
10. Install using stock fasteners or, if supplied, fasteners that came with your new system. Do not fully tighten at this time.
11. If applicable, attach the stock OEM heatshield using the the stock OEM bolts and washers.
12. Make sure the header and muffler are in neutral positions and not binding. Slowly tighten all mounting fasteners and clamps to OEM specified torque specs, starting from the front and working your way back.
13. Inspect the complete exhaust to make sure there is no contact with the frame, shock spring, engine, body panels or any cables, hoses or wiring. The exhaust system should only be in contact with the exhaust port and mounting points. Confirm all controls operate in accordance with the manufacturer's specifications.

POST-INSTALLATION

14. We recommend using High Temp Silicone for an improved seal. Please follow instructions for the Silicone and allow sufficient time to dry before starting the engine.
15. Before operating your vehicle, we recommend either stock jetting or installing our Power-Up jetting kit for optimum performance. Our jetting recommendations are to be used as a guide only and were developed based on operation at sea-level at 70 degree ambient air temperature. There are too many variables outside of FMF's control to give you an exact configuration. If you're not capable of tuning the carburetor yourself, please find a mechanic in your area who is capable to take on this role. Refer to our website for more jetting information.
16. Start the engine and bring it up to operating temperature. Check for exhaust leaks.
17. Let engine cool completely and re-torque all mounting hardware to the manufacturers specifications.

MAINTENANCE

To clean your FMF muffler, allow to cool and use mild soap and water. Do not spray water onto a hot exhaust. Dry completely to prevent streaking. Mild soap and water is recommended on the muffler canister to prevent streaking and uneven discoloration.

We recommend repacking your FMF muffler after every 20-30 hours of normal use when properly jetted. This will maintain peak performance and keep that race tone. Water will ruin the packing. Cover the exhaust outlet when washing your machine. Repack your muffler if water enters into the chamber. We have various packing materials to choose from. We also recommend cleaning the spark arrestor screen (if equipped) gently using a wire brush after every 30 hours of use.

To repack the muffler, remove the allen screws from the front of the muffler using a allen wrench. Do not remove the rear endcap. Gently slide out the front mid pipe from the muffler canister. You may need to use a rubber or plastic mallet to lightly tap it out. Be careful not to damage the muffler. Unwrap the packing from the core and discard. Wrap the core with new packing and secure with a strip of 1/2" masking tape. Do not pack too tightly, as this will hamper performance and increase the sound level. Before re-installing the inner core assembly, apply a thin layer of high temp silicone on the front endcap where the aluminum canister slips over. Slide inner core assembly into canister making sure the perforated core fully seats in the rear endcap. Wipe off any excess silicone. Re-install the allen screws until snug or tighten 1/4 turn after the screw makes contact with the canister.

DISCLAIMER: All products manufactured and/or distributed by FMF Racing are a) intended for use on stock vehicles specific to the U.S. market; b) for closed course use only unless otherwise stated and c) not intended to meet emission regulations for use on public lands, roads or access routes – consult with local jurisdictions. FMF Racing makes no claims as to the products applicability, effectiveness or fitment on modified machines. FMF Racing is the sole determines of abuse, misuse, installation errors and modifications. We assume no liability for any errors in listings, specifications, part numbers, prices or model applications. We reserve the right to change specifications, product descriptions, product quality, pricing and application at any time without notice and without further obligation. Buyer assumes all risk for any and all damage caused to themselves, a third party and/or property by virtue of failure of these products. By installing and/or using an FMF product, you hereby accept and understand these stated terms and conditions and have followed all instructional steps.