Slip-On Muffler
Installation Instructions

Thank you for choosing FMF as your performance aftermarket exhaust. We have spent countless hours of R&D and testing to ensure you receive the highest quality product on the market today.

All FMF products are developed using the most current technology available for design and manufacturing. Every exhaust is made 100% at the Flying Machine Factory in Southern California. We use only the highest quality American materials for function and durability.

Since 1973, FMF has been bringing you the very best in bolt on performance. Our products are specifically engineered to broaden your existing powerband and give you an all around power increase with substantial weight savings. Bolt on FMF and ***FEEL THE POWER***!

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

Please read all instructions thoroughly before installation. Failure to follow all installation instructions will void any warranty implied or otherwise. FMF Racing is not responsible for problems due to improper installation and/or improper use.

Before you begin installing this product, we recommend wearing safety glasses and mechanics gloves. You must know how to remove and replace your stock exhaust in order to install this FMF product otherwise have it installed by a professional mechanic. Keep all stock parts from your existing system as some components may be necessary to install your new FMF exhaust depending on the application.

Parts Supplied

(1)	muffler	043317-18
(1)	band clamp	940085
(1)	Quiet Core insert	841281
(2)	spring	980025

Tools Required

5mm allen wrench
2-12mm wrenches
spring puller
contact cleaner
high temp silicone
WD-40

Attention

Carbon mufflers are less durable than titanium and more easily damaged from improper maintenance. Replace packing if there is indication of packing blow out as evidenced by the repack indicator decal turning from white to black, discoloration of muffler canister (gray carbon weave turning brown), increased exhaust sound level or a change in performance. Always replace packing material if water gets into the muffler and saturates the packing. Only use FMF's Apex Muffler Repacking Kit #012441 or warranty is void. Warranty is limited on this product.

Removal

1. Make sure engine is completely cool prior to installation and the vehicle is in a stable position.
2. Remove lower right fairing bolt to gain access to the stock muffler clamp.
3. Loosen the clamp connecting the muffler to the resonance chamber.
4. While holding the muffler, loosen and remove the muffler mounting nut and bolt. Keep for later use.
5. Gently slide the muffler rearward to release it from the resonance chamber. Use WD-40 in the muffler/resonance chamber junction to help ease removal.

Pre - Installation

6. Using contact cleaner, clean the section of the resonance chamber where the muffler midpipe connects and allow to dry. Apply a light bead of high temp silicone for an improved seal.

Pre - Installation (cont.)

7. Slide the supplied band clamp onto the midpipe end with notches. Do not tighten at this time.
8. If a reduced sound level is desired, insert the Quiet Core into the muffler inlet (front end of muffler). Installing the Quiet Core will result in a negligible loss in power. The Quiet Core can either be installed with the small end pointing inward toward the muffler (reduced sound level) or pointing outward away from the muffler (lowest sound level).

Installation

9. Slide the FMF midpipe onto the resonance chamber. Wipe away any excess silicone.
10. Apply a light bead of silicone to the midpipe outlet where the muffler connects.
11. Slide the muffler onto the midpipe. Positioned correctly, the mounting bracket for the muffler will be to the inside of the mounting point on the vehicle. Wipe away any excess silicone.
12. Secure the muffler using the stock nut and bolt removed in step #4. Do not tighten at this time.
13. Using a spring puller, install the two (2) supplied springs to connect the muffler to the midpipe.
14. Make sure the midpipe and muffler are in a neutral position and not binding. Slowly tighten all mounting fasteners and clamps to manufacturer's specifications starting at the muffler band clamp and finishing at the muffler mount.
15. 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(s) and mounting points. Confirm all controls operate in accordance with manufacturer's specifications.
16. Reinstall all body parts and panels to manufacturer's specifications.

Post - Installation

17. We recommend using high temp silicone for an improved seal. Please follow instructions for the silicone and allow sufficient time to cure before starting the engine.
18. All FMF exhaust products are designed to use stock fuel settings unless otherwise noted. There are too many variables to provide precise specifications; mainly altitude and temperature. If you are not capable of tuning the fuel settings yourself, please find a mechanic in your area.
19. Start the engine and bring to operating temperature. Check for exhaust leaks.
20. Allow the engine to cool completely and torque all mounting hardware to manufacturer's specifications.

Maintenance

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

We recommend repacking your FMF muffler at least every 10-15K miles of normal use or if there is a noticeable sound difference or any discoloration to the canister or re-pack indicator (for carbon canisters). This will maintain peak performance and keep that race tone. More frequent repacking may be necessary for less than optimal fuel settings or sustained high speed riding. Water will ruin packing. Cover the exhaust outlet when washing your vehicle. Repack your muffler if water enters the chamber and saturates the packing. **FMF offers the Apex Muffler Repacking Kit #012441 for servicing your Apex muffler (must be used with carbon canister or warranty is void).** See instructions included with repacking kit for servicing your muffler.

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.

LIMITED WARRANTY: All merchandise manufactured by FMF Racing has a warranty against manufacturing defects for a period of one (1) year from the date of invoice. Warranty is limited to the repair or replacement of defective products. There is no warranty for normal wear and tear, any type of crash damage or for product failure due to improper muffler or packing maintenance. FMF Racing reserves the right to repair, replace or issue an FMF credit for defective product at its discretion. Credits are valid for a period of one (1) year from issuance. No credit will be issued for labor or other costs incurred beyond the value of the original product. Product returned as a warranty after having been used, if found to be defective, is not valued at the full purchase price. A depreciated value will be estimated for used product. Product accepted as a warranty claim and repaired or replaced will be returned via UPS-ground freight no charge. Warranty excludes product that has been modified or where the product was improperly installed, abnormally used or misused. This limited warranty is in lieu of all other guarantees or warranties implied or expressed. This includes, without limitation, any warranties or merchantability and fitment for a particular purpose. We make no warranty as to products distributed by FMF Racing, expressed or implied. We will, however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties. A return authorization number must be issued by FMF Racing before product is returned. Returns must be sent back to FMF Racing freight prepaid. Proof of purchase, such as a copy of the original invoice, must accompany all warranty claims. Warranties will be honored to the direct purchaser only.