



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.

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 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) dual muffler assembly	045297
(2) 6x12mm bolt (preinstalled)	921025
(2) 6mm nut (preinstalled)	920140
(1) boot guard	940928

Tools Required

12mm wrench
3, 6mm allen 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. Using a spring puller, remove the springs connecting the mufflers to the exhaust pipe. Save for later use.
3. While holding the mufflers, remove the nut and bolt mounting the mufflers to the bike. Save for later use.
4. Gently slide the muffler assembly rearward to release it from the exhaust pipes. Use WD-40 at the junction to help ease removal.

Pre - Installation

5. Using contact cleaner, clean the section of the exhaust pipes where the mufflers connect and allow to dry. Apply a light bead of high temp silicone for an improved seal.
6. Remove all the exhaust springs from the stock system. This will allow the system to align with your new FMF mufflers.

Installation

7. Carefully slide the FMF mufflers onto the exhaust pipes. Wipe away any excess silicone.
8. Use the stock nut and bolt removed in step #3 to mount the mufflers. Do not fully tighten at this time.
9. Using a spring puller, install the stock springs removed in step #2 to connect the mufflers to the exhaust pipes.
10. Make sure the mufflers are in a neutral position and not binding. Slowly tighten all mounting fasteners to manufacturer's specifications.
11. Reinstall all remaining exhaust springs removed in step #6.
12. 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.

Boot Guard Installation

Note: Your new FMF exhaust includes a boot guard specifically designed to allow increased mobility and improved body positioning. The boot guard is not a heatshield and if excessive heat is experienced, we recommend you replace the boot guard with the stock heatshield.

13. The stock heatshield mounting fasteners will be used to mount the FMF boot guard. For each bolt there are two (2) shouldered washers and two (2) fiber washers.
14. Loosen all three (3) bolts about 3 turns. Starting with the top bolt, slowly remove the bolt and slightly pull the heatshield outward to catch the washers behind. Continue this process with the middle then bottom bolts. Save all the hardware and note the orientation of the washers for installing the FMF boot guard.
15. If any of the fiber washers are stuck to the stock heatshield, carefully pick them off with a small screwdriver or razor blade.
16. Install the FMF boot guard by using the stock bolts removed in step #14. Insert a bolt in the bottom hole of the guard with a fiber and shouldered washer on each side of the guard. Thread the bolt in only 1 or 2 turns.
17. Continue next with the middle hole then finish with the top hole.
18. Slowly tighten the bolts making sure the shouldered washers align with the hole in the boot guard.

Post - Installation

19. 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.
20. 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.
21. Start the engine and bring to operating temperature. Check for exhaust leaks.
22. 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 determiner 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.