



SUZUKI RMZ250

# Factory4.1 SL Installation

Thank you for purchasing the FMF Factory4.1 SL as your aftermarket performance 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'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. The Factory 4.1 SL muffler is constructed from military grade titanium for the canister with either a titanium or stainless steel mandrel bent midpipe depending on the model you purchased. Hi-Flo modular endcaps are fitted to both ends and we utilize advanced multistage sound absorption packing material.

The Factory4.1 SL 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!**

**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 exhaust as some parts may be necessary to install the FMF exhaust depending on your application.

PARTS SUPPLIED		TOOLS REQUIRED	
(1) Factory4.1 Muffler	043146-53; 56-58	8mm Wrench 10mm Wrench 12mm Wrench Contact Cleaner High Temp Silicone WD-40®	Spring Puller Tool

## REMOVAL

1. Make sure the engine is completely cool prior to installation and the vehicle is in a stable position.
2. Remove the right plastic side panel to gain access to the muffler.
3. Loosen the band clamp connecting the muffler to the header.
4. Remove the stock bolt attaching the midpipe to the subframe. Keep for later use.
5. While holding the muffler, loosen and remove the stock muffler mounting bolt. Keep for later use.
6. Gently slide the muffler rearward to release it from the header. Spray WD-40 into the midpipe-header junction to help ease removal.

## PRE-INSTALLATION

7. Using contact cleaner, clean the section of the header where the midpipe connects, allow to dry then lightly coat muffler a bead of high temp silicone for an improved seal.

## **INSTALLATION**

8. Slide the FMF midpipe over the header. Wipe off any excess silicone.
9. Install the stock bolt removed in step 4 through the subframe into the midpipe. Do not fully tighten at this time.
10. Apply a bead of high temp silicone to the midpipe where the muffler connects then slide the FMF muffler onto the midpipe. Wipe away any excess silicone.
11. Install stock bolt to the rear upper mount. Do not fully tighten at this time.
12. Make sure the header and muffler are in neutral positions and not binding. Slowly tighten all mounting fasteners and clamps to manufacturer's specifications, starting at the midpipe and working your way to the 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 Jet 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 a precise recommendation. If you're not capable of tuning the carburetor yourself please find a mechanic in your area.
16. Start the engine and bring it up to operating temperature. Check for exhaust leaks.
17. Let engine cool completely and retorque all mounting hardware to the 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. 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 and saturates the packing. We have various packing materials to choose from. We also recommend cleaning the spark arrestor screen (if equipped) gently use a wire brush after every 30 hours of use.

To repack the muffler, remove the allen screws from the front of the muffler using an allen wrench. Do not remove the rear endcap. Gently slide out the front midpipe 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 reinstalling the inner core assembly apply a thin layer of high temp silicone on the front endcap where the 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. Reinstall the allen screws until snug or tighten 1/4 turn after the screw makes contact with the canister. Allow sufficient time for silicone to dry before starting.

**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.

Rely on premium motorcycle exhaust parts by FMF Racing if you're looking for quality and efficiency.