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**Suzuki LT80**

*Silencer Installation*

Thank you for purchasing the FMF PowerCore2™ or TurbineCore2™ silencer for your **LT80**. 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 design and manufacturing technologies available. We use only the highest quality materials for function and durability. The PowerCore2™ and TurbineCore2™ silencers are manufactured from an extruded aluminum canister with a welded stainless steel mandrel bent mid-pipe. The Performance Flow modular endcap and front stinger are fitted for unbeatable durability and we utilize advanced 3-stage sound absorption packing material.

The PowerCore2™ and TurbineCore2™ silencers are specifically engineered to broaden your existing power-band 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](http://www.fmfracing.com) for more information.**

**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.

<b>PARTS SUPPLIED</b>	<b>TOOLS REQUIRED</b>
(1) Adapter Bracket	8mm Wrench Contact Cleaner WD-40® High Temp Silicone

**REMOVAL**     OEM = Original Equipment Manufacturer

1. Loosen and remove the OEM bolt(s) attaching the silencer to the frame. Keep for later use.
2. Gently slide the silencer rearward to release it from the pipe. Spray WD-40 into the pipe-silencer junction if it is difficult to remove.

**PRE-INSTALLATION**

3. Loosen the pipe mounting bolts. We recommend keeping the pipe loose when installing the silencer to insure proper fit and alignment
4. Clean the pipe to silencer junction on the pipe with contact cleaner to remove all dirt and debris.

## INSTALLATION

5. Attach the rear silencer bracket as shown in figure 1 with stock OEM bolt. Do not fully tighten at this time.
6. Lightly coat the slip fit section of the pipe with a bead of high temp silicone for an improved seal.
7. Slip the FMF silencer inlet over the pipe until it is fully seated and fasten to the bracket using the stock OEM bolt. Wipe off any excess silicone. *Note: On some models the tool box may make contact with the pipe when the suspension bottoms. To prevent damage to the exhaust system, remove tool box.*
8. Make sure the pipe and silencer are in neutral positions and not binding. Slowly tighten all mounting fasteners to OEM specified torque specs, starting from the front and working back.
9. Inspect the complete exhaust system 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.

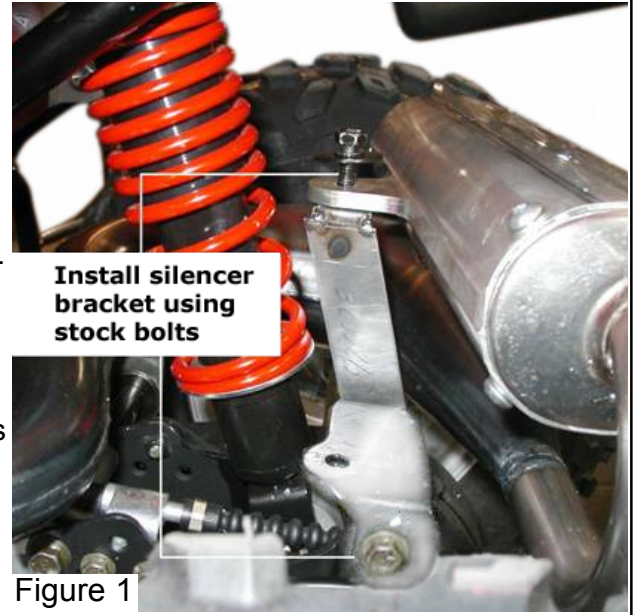


Figure 1

## POST-INSTALLATION

10. Before operating your LT80, 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 your motorcycle yourself, please find a mechanic in your area who is capable to take on this role. Refer to our website for more jetting information.
11. Start the engine and bring it up to operating temperature. Check for exhaust leaks.
12. Let engine cool completely and re-torque all mounting hardware to the manufacturers specifications.

## MAINTENANCE

To clean your FMF silencer, allow to cool and use mild soap and water. Do not spray water onto a hot exhaust. Dry completely to prevent streaking. Windex® works great on the silencer canister to prevent streaking and uneven discoloration.

We recommend repacking your FMF silencer 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 silencer, remove the allen screws from the front of the silencer using a allen wrench. Do not remove the rear endcap. Gently slide out the front mid pipe from the silencer canister. You may need to use a rubber or plastic mallet to lightly tap it out. Be careful not to damage the silencer. 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 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.