



# Yamaha

**YFZ 450R (09-10) & YFZ 450X (09-10)**

**YFZ 450 (04-09): Elliptical & Carbon Fiber**

Installation: Slip On & Full System



## Please Read Carefully

Read all instructions before installation. Make sure the vehicle and exhaust system are completely cool & on level ground before installation. You should have some mechanical knowledge and a basic set of tools. (A lift, center or rear stand will help.) We advise that this installation be done by a qualified technician. If this is a street vehicle, you may need to modify or replace your stock license plate bracket and turn signals. Please consult your local dealer. Check your local laws to make sure you are in compliance. HMF is not responsible if you are not.

## Stock Slip On & Full System Removal

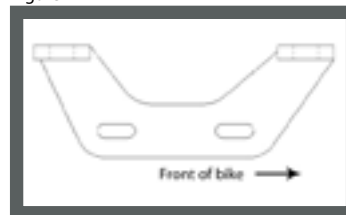
1. Loosen the (2) **Silencer-to-Frame Mounting Bolts**.
2. Loosen the **Clamp** at the **Silencer-to-Head Pipe Joint**.
3. Brace the back of the **Silencer** with one hand and remove the **Mounting Bolts**.
4. Pull back and twist to remove the **Silencer** from the **Head Pipe**.
5. **Full system only:** Remove the **Head Pipe-to-Cylinder Head Nuts** and **Head Pipe**.  
Inspect the **Gasket** for wear and damage. Replace if necessary.
6. **R and X model Full systems only:** Remove the (3) **Heat Shield-to-Head Pipe Mounting Screws** and **Heat Shield**.

## HMF Slip On Installation

**Note:** It may be necessary to loosen the original **Head Pipe-to-Cylinder Head Nuts** to allow for some movement of the head pipe. This movement can be beneficial when ensuring proper exhaust system installation and alignment.

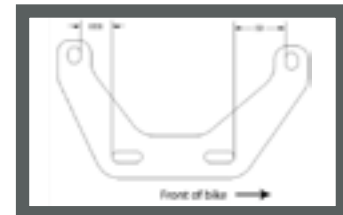
1. Install the supplied **T-Bolt clamp** to the slotted end of the **Mid Pipe**. Then, slide the **Mid Pipe** onto the end of the **Head Pipe**, leaving the **T-Bolt Clamp** loose.
2. Using the supplied hardware, install the **Mounting Bracket** onto the **Silencer**. (Bracket may be pre-installed from HMF)  
**For round silencers:** Refer to Figure 2 to ensure proper bracket installation.
3. Slide the **Silencer** with **Mounting Bracket** and **T-Bolt Clamp** onto the end of the **Mid Pipe**.
4. Using the supplied hardware, bolt the **Silencer** to **Sub Frame**.
5. Tighten the **Silencer-to-Sub-Frame Bolts**, **Head Pipe Nuts** (if loosened), and finally the (2) **T-Bolt clamps**.
6. Inspect all areas around the exhaust system for clearance with hoses, cables etc. HMF **will not** be held responsible for damage caused by improper installation.

Figure 1



Elliptical Bracket

Figure 2



Round Bracket

## HMF Full System Installation

1. Be sure the **Gasket** is in place at the **Exhaust Port**. Install the **HMF Head Pipe** and **Nuts** hand tight.
2. Install the supplied **T-Bolt Clamp** onto the **Silencer inlet**.
3. Using the supplied hardware, install the **Mounting Bracket** onto the **Silencer**. (Bracket may be pre installed from HMF)  
**For round silencers:** Refer to Figure 2 to ensure proper bracket orientation.
4. Slide the **HMF Silencer**, with the **Mounting Bracket** and **T-Bolt Clamp**, onto the end of the **HMF Head Pipe**.
5. Using the supplied hardware, bolt the **Silencer** to the **Sub-Frame**.
6. Tighten the **Silencer-to-Sub-Frame Bolts**, **Head Pipe Nuts**, and finally the **T-Bolt clamp**.
7. **R and X model full systems only:** Install the original Heat Shield and Mounting Screws to the HMF Head Pipe.
8. Inspect all the areas around the exhaust system for clearance with hoses, cables etc. HMF **will not** be held responsible for damage caused by improper installation.

## Recommended Optimizer Settings:

**Slip On:** 3 / 4.5 / 3/5

**Full System:** 3 / 4.5 / 3/5

These settings are to be used as a starting point and were determined on our dyno at 900ft - 60°F. The final tuning is up to the customer. For more information about tuning, visit [www.HMFracing.com](http://www.HMFracing.com).

## Warranty Information

All HMF exhaust systems are covered by a limited warranty described on the enclosed warranty card. Mapping/Jetting and installation are the responsibility of the customer. HMF Performance exhausts are designed for closed-course competition use only.

## Having trouble? We can help.

If you're still having trouble with your installation, visit [www.HMFracing.com](http://www.HMFracing.com) and contact us by e-mail, Forums, or by calling 866.HMF.PIPE



This exhaust, EFI Controller, air filter, jet kit is not intended for use/sale in California and does not meet California, Federal, EPA, CARB noise or emission standards for on road/highway, public, private or state land and is prohibited for use by Federal law. This exhaust, EFI Controller, air filter, jet kit is intended for use in "closed course competition off road racing use only" on machines which do not fall under the California, Federal, EPA, CARB noise or emission standards. Modifications which exceed California, Federal, EPA, CARB noise or emission standards on non "Closed course competition off road racing use only" vehicles is prohibited by Federal law. FOOTNOTE: 2006 and newer motorcycles with head/tail lights OEM from the manufacturer and every all terrain vehicle, even those intended for off road closed course competition use, are considered California, Federal, EPA CARB noise or emission controlled vehicles. Vehicle emission control information is noted in the owners manual and on the machine air box lid and exhaust muffler. Any modifications which exceed the California, Federal, EPA, and CARB noise or emission standard is prohibited by Federal LAW.