

2004-Current Yamaha YFZ 450

Exhaust Installation

- ❑ Remove the stock exhaust system
- ❑ Install the Sparks head pipe.
- ❑ The head pipe should be centered between the engine cases and frame.
- ❑ Tighten the exhaust stud nuts up to 11 ft/lbs
- ❑ Slide the rear section onto the head pipe
- ❑ Replace the stock bolts into the rear section and tighten
- ❑ If there are any clearance issues, simply loosen the exhaust stud nuts slightly and rotate the head pipe until everything clears properly.

Jetting recommendations

- ❑ To access the carburetor, take the seat and fuel tank off.
- ❑ Be sure to turn the fuel petcock off before taking the tank off.
- ❑ Take the carburetor off of the motor and pull it up into the open.
- ❑ These recommendations are with the Sparks Exhaust, the Air box lid off, at sea level only. If you're using this kit to tune for another manufacturer's performance products, please contact that manufacturer for additional jetting recommendations.

	Main jet	Needle jet / clip position	Pilot (slow jet)	Fuel screw (from closed)
04-11 YFZ 450	175	Sparks / 4th	45	2.5 +/- .5
2012-Current YFZ 450	DJ 160	Dyno Jet / 4th	Stock	3 +/- .5

- ❑ Through the top of the carburetor install the supplied needle jet.
- ❑ The clip goes in the 4th position from the top.
- ❑ Take off the bottom main jet plug to access the main and pilot jets.
- ❑ Install the recommended main and pilot jets.
- ❑ Reinstall the carburetor making certain that everything is together correctly and tight.

Air filter installation & maintenance

- ❑ Remove all of the stock air filter and its components.
- ❑ Drill out the stock rivets that hold the air filter bezel into the air box and remove the bezel.
- ❑ Thoroughly clean the air box and air boot. Dirt is your motors number one enemy.
- ❑ Place the Sparks Air Supercharger ring onto the front of the air box so that the words on the ring are facing toward the front of the quad.
- ❑ Use the screws provided and insert them from the inside of the air box so that they thread into the Sparks Air Supercharger ring. Make sure to get the screws tight.
- ❑ Oil your clean air filter with a good pour on type oil, we recommend Twin Air filter oil.
- ❑ Pour a liberal amount of oil all over foam and massage the oil into filter and squeeze out any extra oil.
- ❑ Slide the filter over the air supercharger ring until it butts up against the front of the air box.
- ❑ Tighten the clamp and you are ready to go.
- ❑ It is important to clean and oil the filter whenever it gets dirty.
- ❑ To clean it, we recommend using filter cleaner like Twin Air. Other options would be kerosene or mineral spirits and then a good degreaser like Simple Green, 409, or even a good dishwashing soap.
- ❑ **DO NOT** use gasoline to clean your filter. It can significantly shorten the life of the foam and loosen the glue.
- ❑ The goal is to get all of the old oil and dirt out of the filter. Rinse well and dry before re-applying the oil.
- ❑ Reinstall the air filter as per installation instructions.

Exhaust muffler maintenance

- ❑ Be sure to re-pack muffler every 25-30 hours for optimal performance and noise control.
- ❑ **Warning:** running this exhaust with very little or no packing can damage your muffler and void any warranty!