

2008-Current Yamaha Raptor 250

Exhaust Installation

- ❑ Remove the stock exhaust system
- ❑ Before installing the Sparks head pipe, you must remove the stock exhaust gasket from the cylinder head.
- ❑ Install the supplied aluminum head pipe locator ring onto the head pipe passed the collar, so it's loosely lying on the head pipe tubing.
- ❑ It is a good idea to apply a small amount of high-temp liquid gasket to the sealing surface of the head pipe before installation.
- ❑ Insert the Sparks head pipe into the cylinder head. Once the head pipe is inserted into the cylinder head exhaust pocket, slide the aluminum locator ring back down on to the collar until it bottoms out on the head (the locator ring is designed to insure the head pipe is located properly over the exhaust port, so it's not required the ring be a tight fit to the head pipe or the cylinder head).
- ❑ 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
- ❑ The upper mounting location for the stock muffler will no longer be used. The Sparks muffler will install in the forward-most rear grab bar mounting hole.
- ❑ Use the supplied hardware to install the rear section. The long bolt and spacer are to be installed on the lower steel bracket. The short spacer and bolt are to be installed on the upper aluminum bracket. Install both the spacers between the muffler brackets and frame/ grab bar before tightening either of the bolts
- ❑ Tighten muffler bolts to manufacturer's recommendations.
- ❑ If there are any clearance issues, simply loosen the exhaust stud nuts slightly and rotate the head pipe until everything clears properly.

Jetting recommendations

- ❑ We recommend the use of the Dynojet jet kit.
- ❑ 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) |
|-------------------|----------|----------------------------|------------------|--------------------------|
| Raptor 250 | DJ 130 | Dynojet / 3rd | Stock | 2.5 |

Air filter installation & maintenance

- ❑ Thoroughly clean the air box and air boot. Dirt is your motors number 1 enemy.
- ❑ 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.
- ❑ We recommend replacing your stock filter with the Uni replacement filter.
- ❑ 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, even a good dishwashing soap.
- ❑ 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.
- ❑ **DO NOT** use gasoline to clean your filter. It can significantly shorten the life of the foam and loosen the glue.

Exhaust muffler maintenance

- ❑ Be sure to re-pack your 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!