

Universal front mount installation instructions

Warning: if you are using an aluminum frame you must add additional support to the u-bolt.

1. Remove your front studs from the engine. This can be done by using a pair of pliers. If you want to save them you can use the double nut method. Place 2 nuts onto the stud and tighten them against each other. You can then use the inner nut to unscrew the stud.
2. Test fit the mount to determine how it will best fit your bike. The photos below show some of the different options.



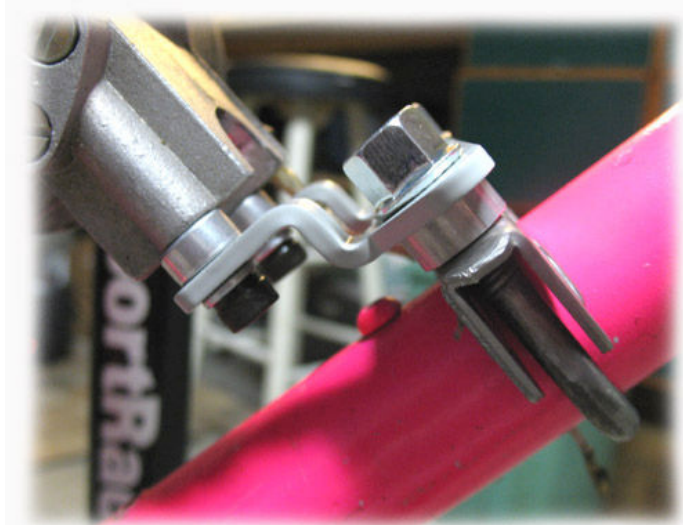
This method allows the most space savings



This method is used if your frame requires a longer mount

3. For the methods above use the shorter of the 2 screws with the lock washers. You can use some of the included regular washers to fine tune the length. Test fit the bolt you intend to use into the engine case without

- the mounting bracket. Be sure there is less space between the engine case and the head of the bolt than the thickness of the mounting bracket. The most common cause of failure is this bolt tightening in the case before it actually tightens against the bracket. You can add washers until you are sure you are tightening against the bracket.
4. If you need an extremely long front mount you can use a combination of the various spacers to extend the mount. If you use the spacers against the engine replace the mounting bolts with the longer pair. An example is shown below.



5. You may also adjust the angle of the mount so that the clamp is perpendicular to the frame. This is done best by placing the 2 narrow sections of the mount in a vice and using pliers or a hammer to bend it to the desired angle.
6. You may also find that it fits your frame better to turn the mount so that the clamp is below the engine mount instead of above the engine mount.

Here are a few tips:

Use thread locking compound on the bolts going into the engine block.

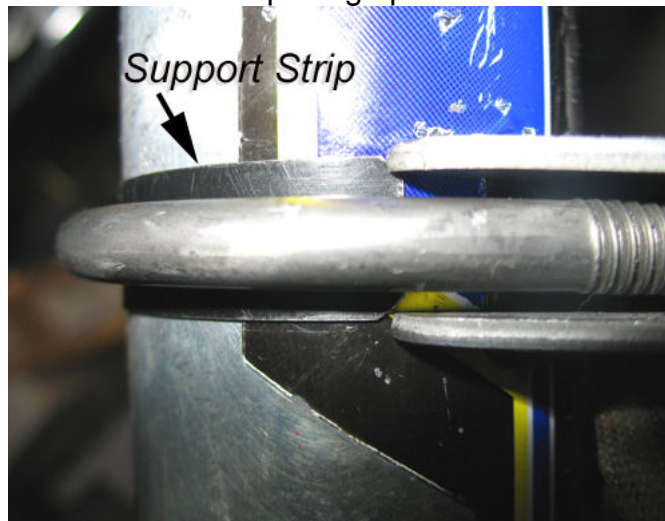
Notes on aluminum frames

As was mentioned previously the U-bolt does not offer enough surface area to provide adequate support for aluminum frames. Here are a few options.

1. You can drill out the holes on your old mounting strap the same diameter as the U-bolt. You can then use it to add extra support to U-bolt. The stock strap can only be use on tube sizes 1 1/8 to 1 1/2 inches.



2. You can also add a small strip of steel to increase the surface area of the U-bolt. Pictured here is some steel pallet banding strap that can be had for free at any warehouse that ships large pallets.



The strip should never go more than half way around your tube or it will interfere with the other side of the clamp. Doing this to the other side of the clamp is also not a bad idea but will require a slightly wider piece of material.

It is also a good idea to widen the surface area of the U-bolt with a file or moto tool. Just remove a little material from the U-bolt where it would contact the frame. Creating about a 1/8 inch wide contact area along with the additional strap will greatly increase the supported area.

Replacing the stock nuts with nylocks on the clamp is also a good idea (they are 5/16 nuts). This way you do not have to over tighten the nuts to keep them from loosening up.