

## Instructions for Bar Risers (1-1/8" diameter bar)

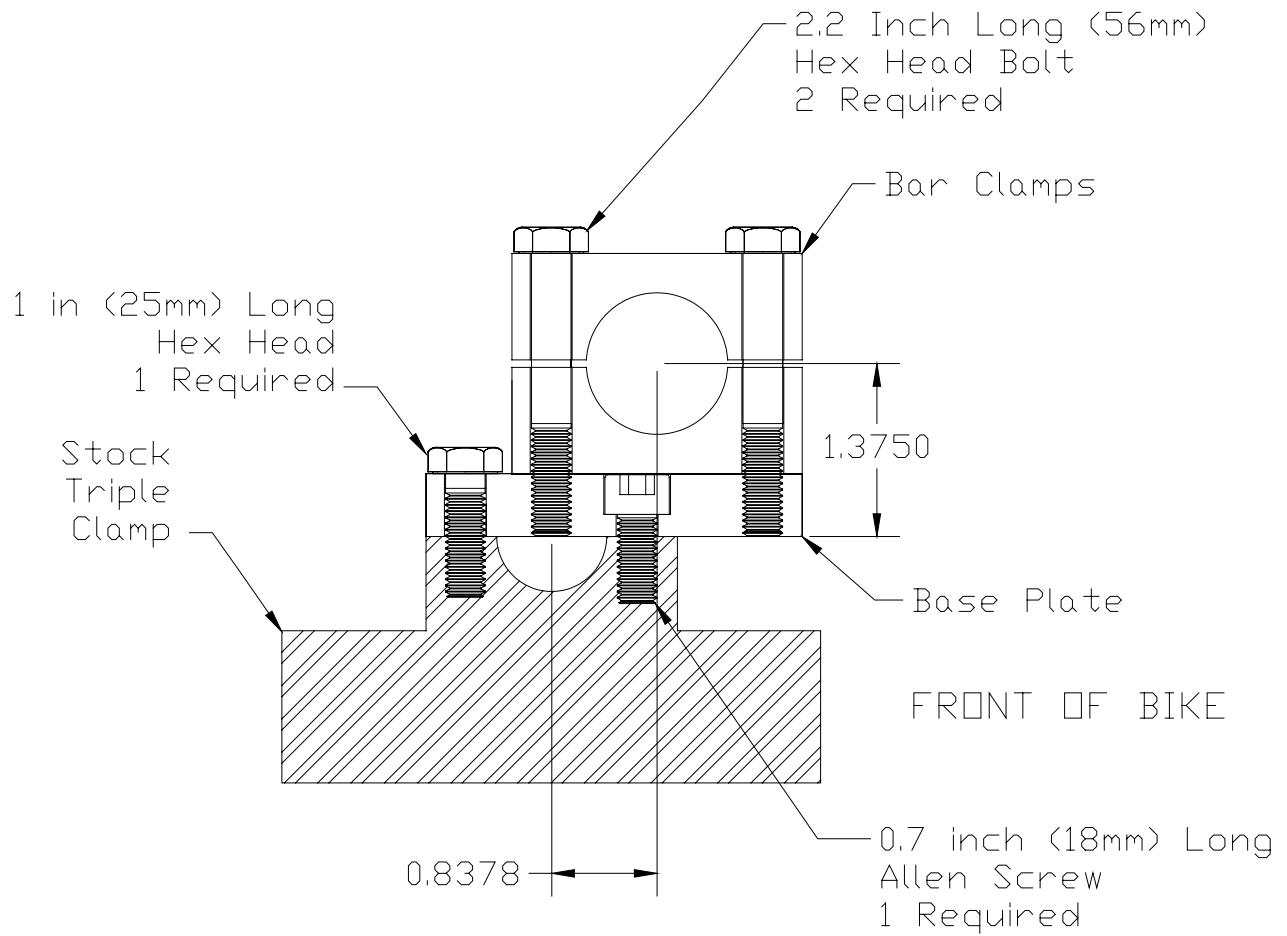
Your new Bar Risers are CNC machined from 6061-T6 aluminum. The finish is a gray oxide color that is a result of a tumbling operation to remove sharp corners. If you prefer a brushed aluminum finish you can remove the oxide with 220 grit emery paper followed by 400 grit. You can even polish them if you feel like it. The original gray oxide should provide a color stable finish unlike brushed aluminum.

The risers are intended to raise the bars 1.375 in (35mm) and move them forward 0.84 in (21mm). If desired you can also move the bar backwards by reversing the base plate. **CAUTION** in some circumstances the reversing the base plates can interfere with steering by hitting the fuel tank. **DO NOT** use the bar risers in this configuration if this is the case. Also keep in mind that instrumentation on street model bikes will in most cases have to be relocated or shimmed by using longer screws and a stack of washers or a spacer.

There are three components to the bar risers. There is a base plate with four holes in it and the two identical bar clamps. There is a set of these for the left and right side and they are interchangeable. Perform the following steps on both the left and right sides of the bar.

1. Orient the base plate as shown in the Figure 1 below.
2. Insert the Allen screw into the counter bored hole in the base plate and the 1 inch (25mm) long hex head screw into the rear of the base plate as shown in Figure 1.
3. Tighten the rear bolt finger tight at this point and torque the Allen screw to 10-15 ft-lb.
4. Place the lower clamp on the base plate and place the handlebar on top of the lower clamp.
5. Now place the top clamp on the topside of the bar and insert the two 2.2 inch (56mm) long hex head bolts as shown in the Figure 1. Center the bar between the left and right clamp.
6. Tighten the two clamp bolts to 10-15 ft-lb. Tighten the clamp evenly so the gap at the front and rear of the clamp is approximately the same. **CAUTION** do not over tighten the clamps. There should be a gap between the two clamps it is designed that way. If the two clamps touch on both sides you have ruined the clamps by over tightening.
7. Now tighten the 1 inch (25mm) long hex head bolt at the rear of the base plate to 10-15 ft-lb. This bolt was left loose so the base plates can rotate to conform to the bar. **DON'T FORGET** to tighten the rear bolt.
8. Now once you have done this, check everything twice and adjust the bar position by loosening the clamp bolts and rotating the bars forward and backwards. Retighten the bolts to 10-15 ft-lb and make sure the bar will not move in the clamps. **ALWAYS** carry a 13 mm wrench with you while riding in case you need to adjust or tighten the bars after a fall. Also check the bars and clamps for bends and cracks. Replace any cracked or bent components. **ALWAYS** inspect bars and clamps before riding. **NEVER** ride with bent, cracked, loose, or broken components this includes handlebars.

Also **REMEMBER** the most dangerous component of the motorcycle is the nut that holds the bar. Happy Trails



**Figure 1 Cross-section of bar risers showing installed configuration.**