

## Handle Bar Riser Bushings Repair Kit

Sooner or later loose handle bar bushings rear their ugly head for many a Vertical owner. Originally the bushings were a press fit into the upper fork bracket, but over time the rubber bushings shrink and DE-bond and fall out. I have developed a kit to replace the old factory originals. Kit looks like **Figure 1**.

**Figure 1.**



Here is an example of what the original bushings look like in **figure 2**. On the left side of the picture you have a complete bushing. It is a thin steel shell with rubber and steel tube bonded together, much like a shock absorber rod eye used in most any auto. When new everything was pressed into the fork bracket. To the right in the same picture you have what's left when things shrink. Just a rubber form plus steel tube. Yes you guessed it the steel shell is still in the fork bracket!

**Figure 2.**



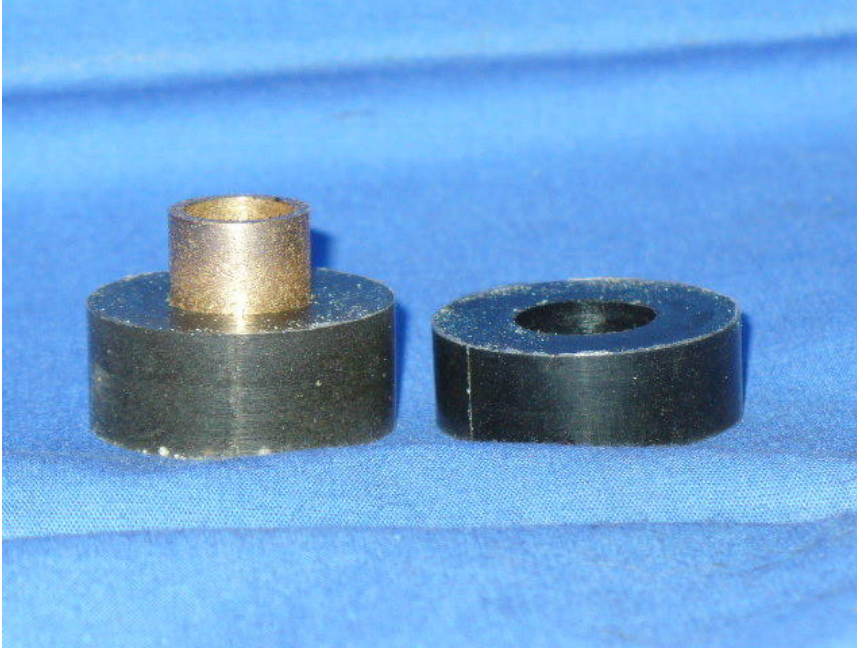
**Figure 3** is a picture of the Bushing Kit Caps. Note on the left side is the Bottom Cap with a notch cut in to allow clearance between fork neck dust cover and riser cap. To the right side of the picture is the Top Cap. Both Caps are custom machined from 6061 T-6 Aluminum billet stock in my shop. These Caps may be painted, polished or chrome plated. The kit comes to you with caps in Plain Aluminum as machined.

**Figure 3.**



**Figure 4** is a picture of the Custom Cast 2 Piece Poly Urethane Rubber Bushings with Bronze liner tube. All these parts are made in-house and **Will Not Rust** when exposed to the weather.

**Figure 4.**



**Figure 5** is a picture of the Complete Kit assembled. You receive 2 complete Bushings plus step by step instructions for installation.

**Figure 5.**



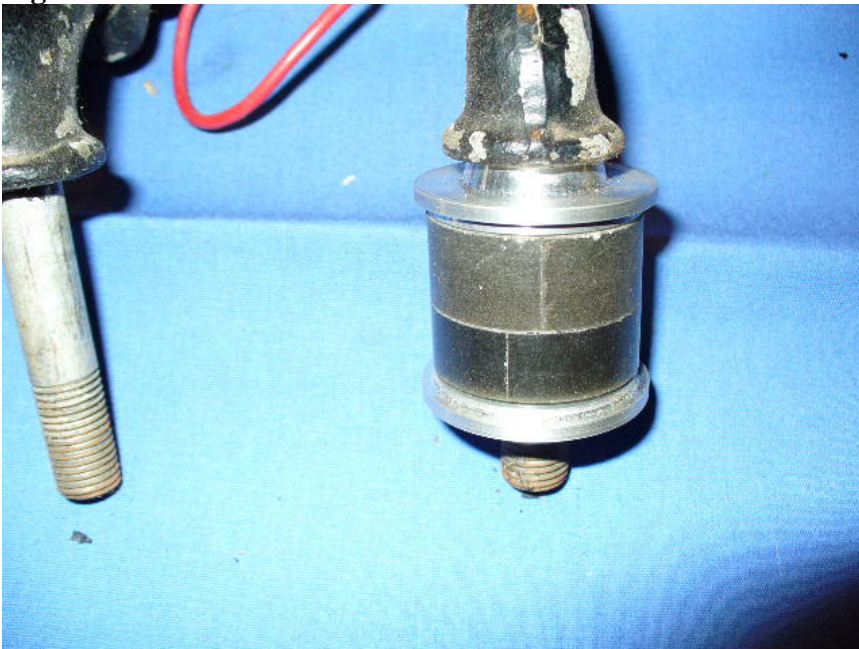
**Figure 6.** Here is a picture of the Top Bushing Cap as it fits into the handle bar riser. Note the cap has the exact same angle machined on it as the original factory bushing, allowing the cap to seat into the riser arm. Also a unique feature to both Top and Bottom caps is the shoulder cut into the bottom side. You can just see the shoulder in this picture. Once the caps are bolted together in assembly they **Will Not Fall Out**, as the shoulder locks them in place.

**Figure 6.**



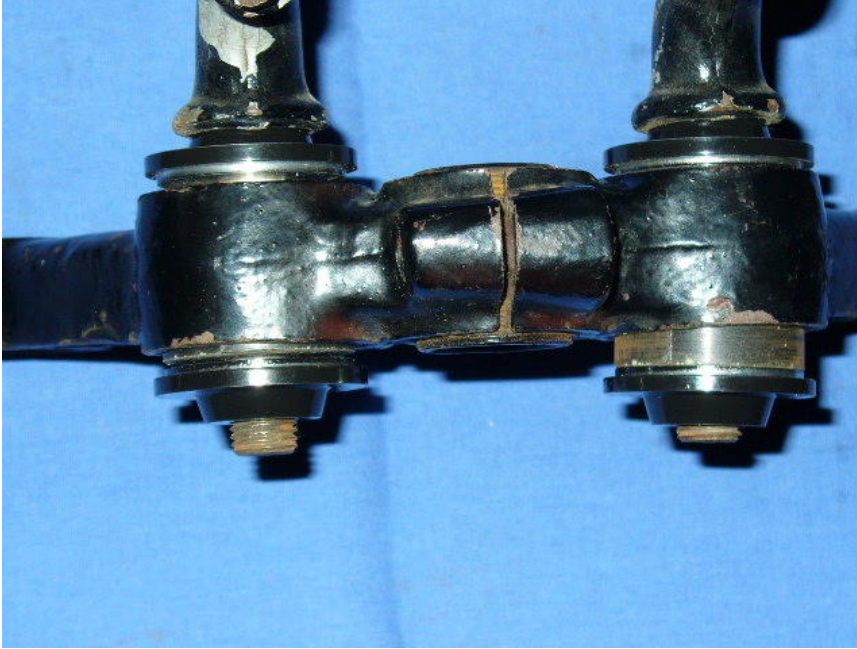
**Figure 7.** This is a picture of the complete Bushing Kit Less Upper Fork Bracket slid into place on a Riser Arm.

**Figure 7.**



**Figure 8.** In this picture you can get a idea of what the kit will look like put together in a Upper Fork Bracket, Note the Riser Nuts Are Not in place as this is a rough assembly picture.

**Figure 8.**



**Figure 9.** In this picture you see only the top fork bracket with Painted Bushing Caps to give you a idea of how the caps can blend in so as not to look out of place.

**Figure 9.**



**Figure 10.** Your Bushing Kit will come with complete instructions as well as a Guarantee. If you are not happy, upon return of complete kit in undamaged condition, you will receive a full refund plus shipping.

All Parts of this Kit are made in my shop. Feel free to contact me. You can email Terry Duffy at [michigander1951@sbcglobal.net](mailto:michigander1951@sbcglobal.net) or call ph. 614-834-1653 I will be happy to discuss the Kit with you and quote price plus shipping.

**Figure 10.**

