

## 61 Vespa VBB Restoration Project (Part 6 of 6)



Follow along with me as I do my first Vespa restoration -- on a 1961 VBB 150cc vintage Vespa  
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Free at Last, Free at Last, my Shifter Tube is Free at Last

This Fourth of July weekend I spent a little time working on the VBB, and had some unexpected success. I finally was able to remove the shifter tube from the headset! Very exciting -- I worked at it for weeks and finally gave up, thinking I'd just buy a used one somewhere. But the few I were able to find cost a LOT, so I figured I'd give it one more try, using some suggestions that the guys on ScooterBBS gave me.



Here's what finally worked. I removed the handgrip, then clamped the headset in my vice (protecting it with wood blocks over the metal vice faces), with the shifter tube pointing up. Then I doused it in PB Blaster (which I had been doing for the last month or so), and started heating up the headset with a blowtorch in the section where the shifter tube was. Including inside the headset. And I mean really heated it up -- smoke was coming out the top of the tube! I squirted more PB Blaster in there (fun when it catches on fire). Then I put a 2x6 into the headlight opening of the headset (for leverage), and used a pipe wrench on the shifter tube. (Yeah, I

was worried about scratching it up, but then figured it's worthless if I can't get the tube out, no matter how pretty it looks!) So using the 2x6 to keep it from turning in the vice, I cranked on the pipe wrench. And finally, slowly, it moved! Yay



So I worked it back and forth like that with the pipe wrench till it was moving a little more freely, then forced a screwdriver gently under the flange that holds the clutch lever to pry it up, and was able to get it to start extracting. Once I got it out about 1/2 inch, then I was able to grab the tube by hand (using a rag to keep from burning my hand -- it was still hot) and pull it all the way out.

It was pretty rusted at the outermost part of the tube that was still inside the headset, which I guess makes sense. But mostly surface rust -- I was able to sand it off with emery paper and now it moves smoothly in the headset. The inside of the headset is fine, no corrosion there (gotta love aluminum or whatever it's made of)



So now I am ready to believe that completing this project is actually possible! Hopefully this week we'll be able to rebuild the front fork, then start on the fuel system (pulling and cleaning the gas tank, etc.). More later. Thanks for reading!