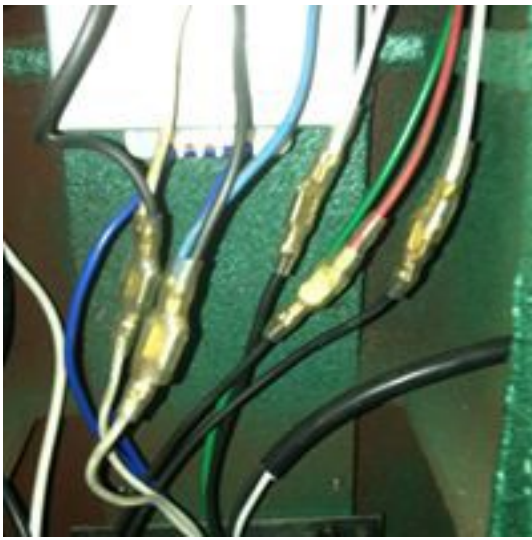




The pictures are all of the Grizzly Machine

We move straight into removing the head by using an engine hoist. The table and Y axis saddle have already been removed.



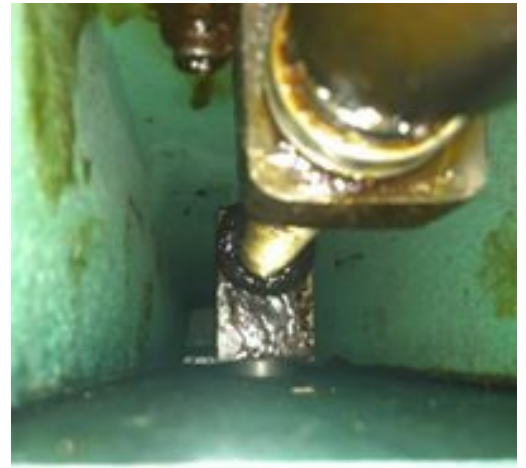


Taking off the back panel. You may need to cut these wires and redo the connections to get the wires through when removing the spindle head

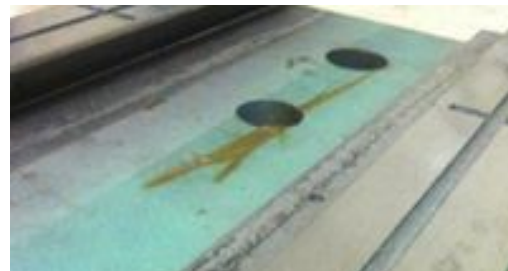
Here is the back of the spindle head. It slides onto a boss you can see in the previous pictures. It's almost a press fit.



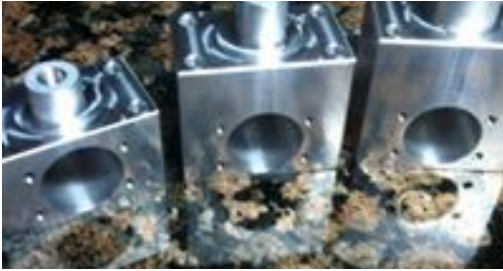
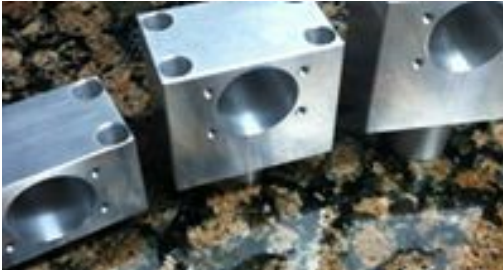
Schlumberger-Private



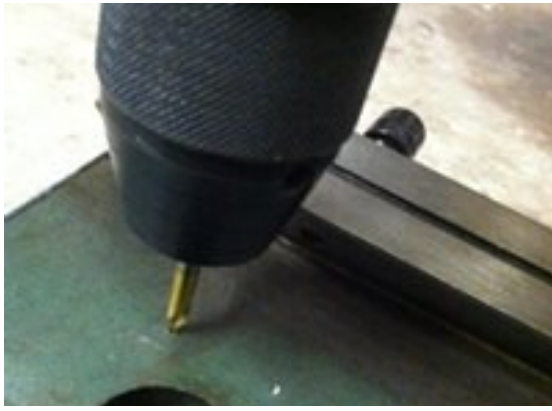
A look at how the Z saddle is attached to the lead screw. Then after removing the motor, and finally the Z saddle and ball screw removed from the column



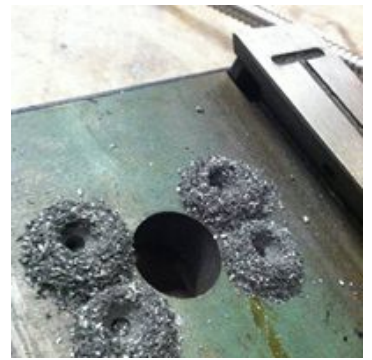
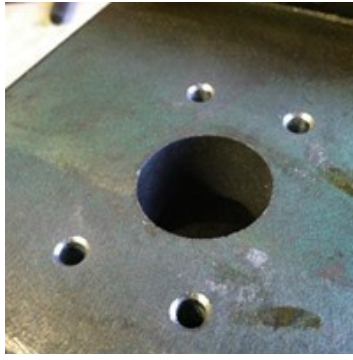
More pictures of the Z saddle removed



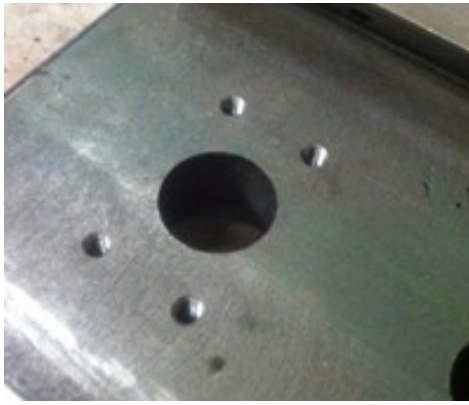
Here are the new ball nut blocks



You are going to drill and tap holes in the Z saddle for the Z ball nut block. Use the block as I guide for the center punch



Holes drilled



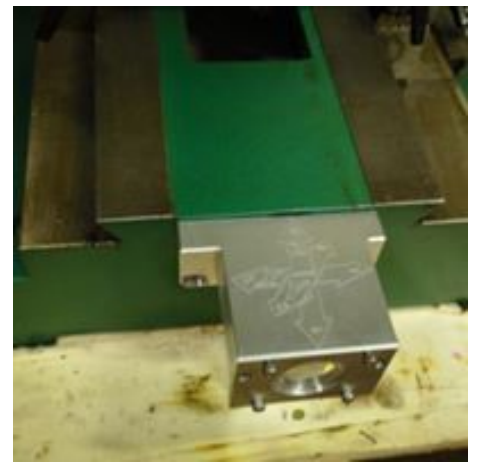
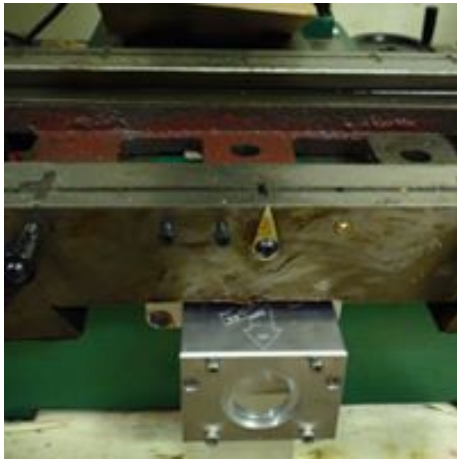
Holes Tapped for 6mm
cap screws



Bolt the Z block onto the saddle with the whole assembly. Then slide the saddle back on to the ways. The Z motor mount will use the existing tapped holes from the motor.



The original lead screw nuts for Y and X. You will need to drill and tap holes for these. The same as was done with the Z axis



Here we have pictures of the Y motor mount in place. You can see it will not interfere with the saddle

You can see there are some things missing from this installation instruction. This was built for a customer who sent the machine and had the install done. Since we no longer have the machine we cant go back and fix the instructions better. There is a link to a you tube video on the X4 page that shows how the installation was done in a bit more detail
