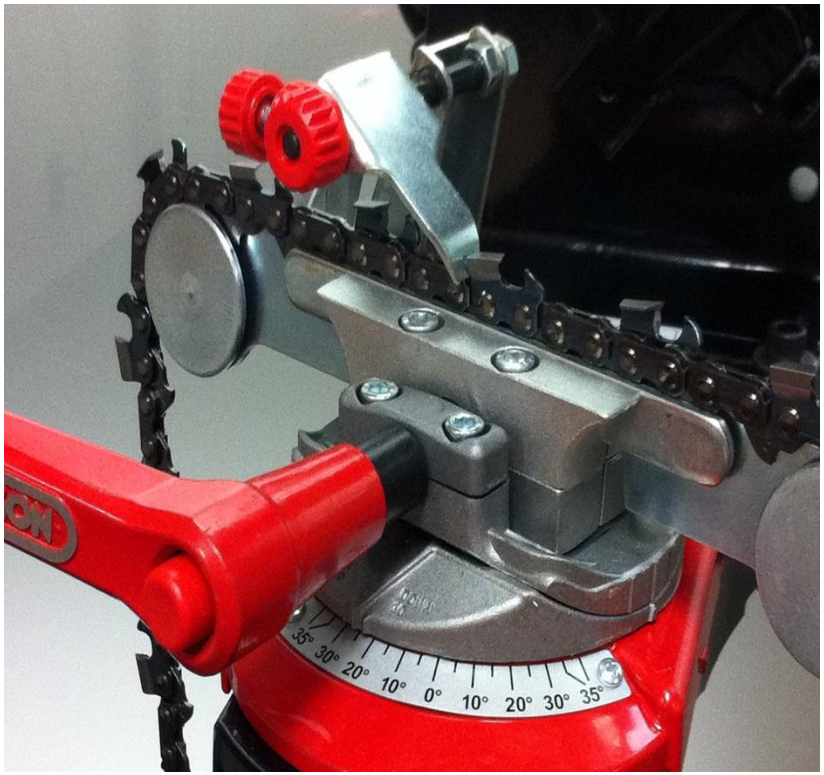
# Oregon® Grinder Setup Tips

BLOUNT INTERNATIONAL

# Oregon Bench Grinder Set-up (511AX)

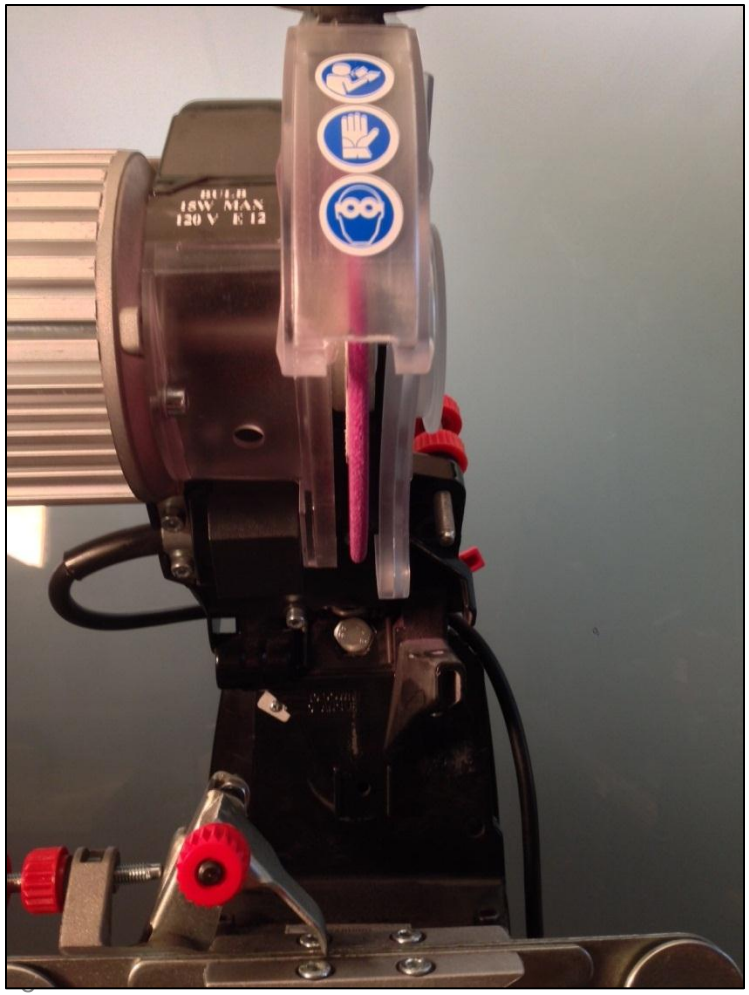
## *Grinder Head*

## *Vise Assembly*



# Step 1 – Centering the Grinder (511AX)

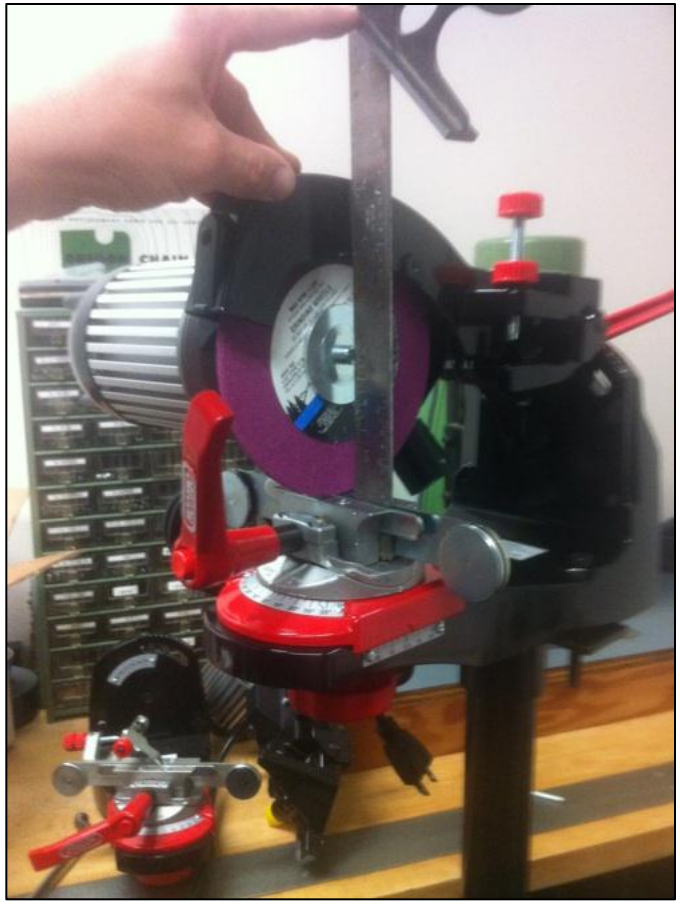
**Set the head angle to 90 degrees, straight up.**




**Set the top-plate angle at 0 degrees**

# Step 2 – Centering the Grinder (511AX)

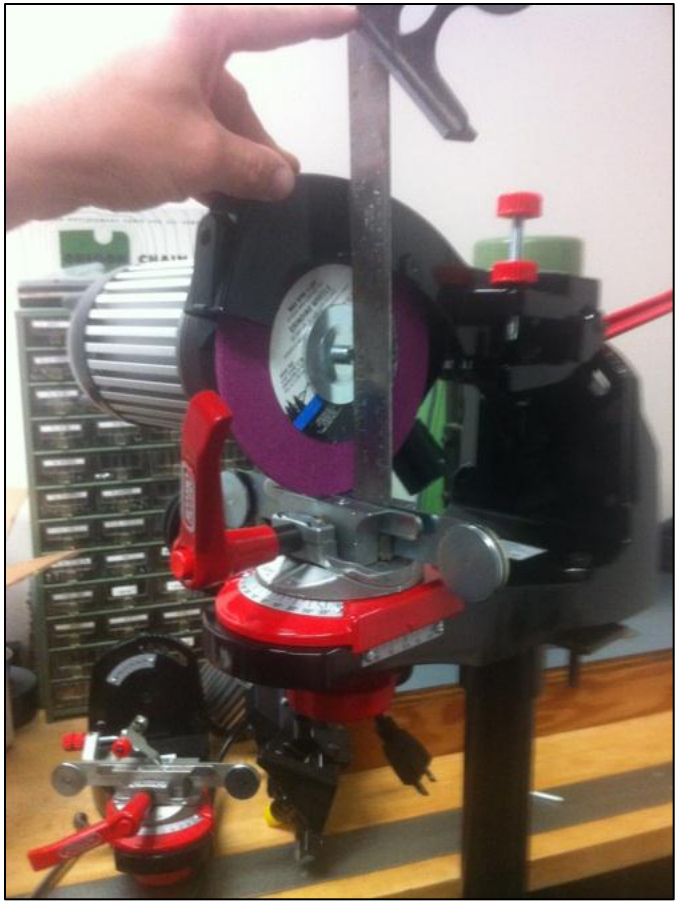
**Place a carpenter square or straight edge into the chain vice pointing upwards.**

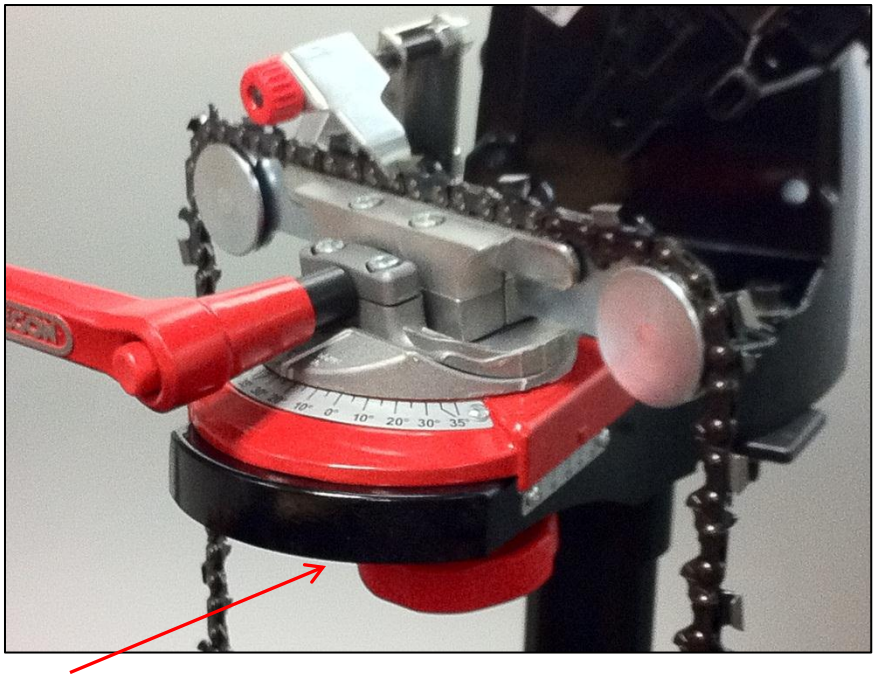


**Pull the grinder head down until the grinding wheel touches the chain vice. Check the alignment between chain vice and center bolt attaching the grinding wheel.**

# Step 3 – Centering the Grinder (511AX)

**You may have to move the chain vice to be centered with the attachment bolt on the grinding wheel.**



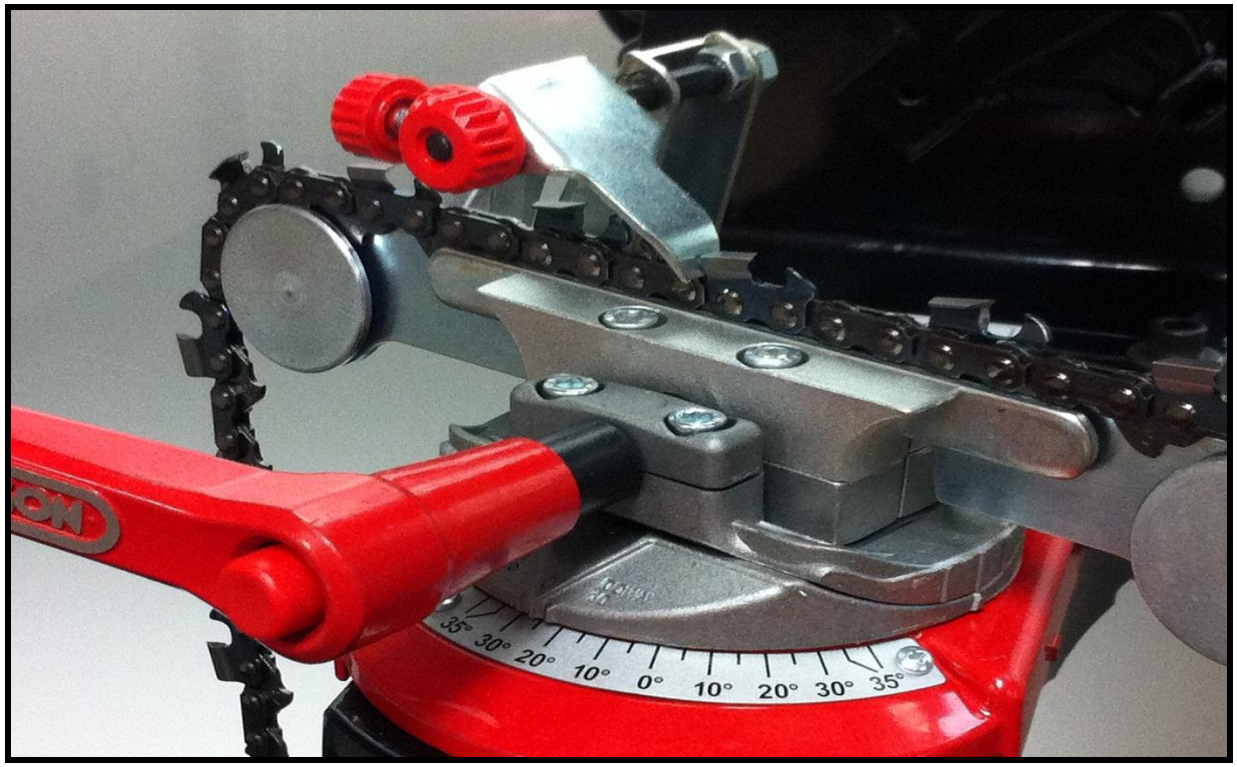


**To move the chain vice assembly loosen the two 4mm Allan head bolts located under the chain vice. These bolts are located on each side of the “Red” adjustment knob.**

# Step 4 - Set the Grinder Head Angle

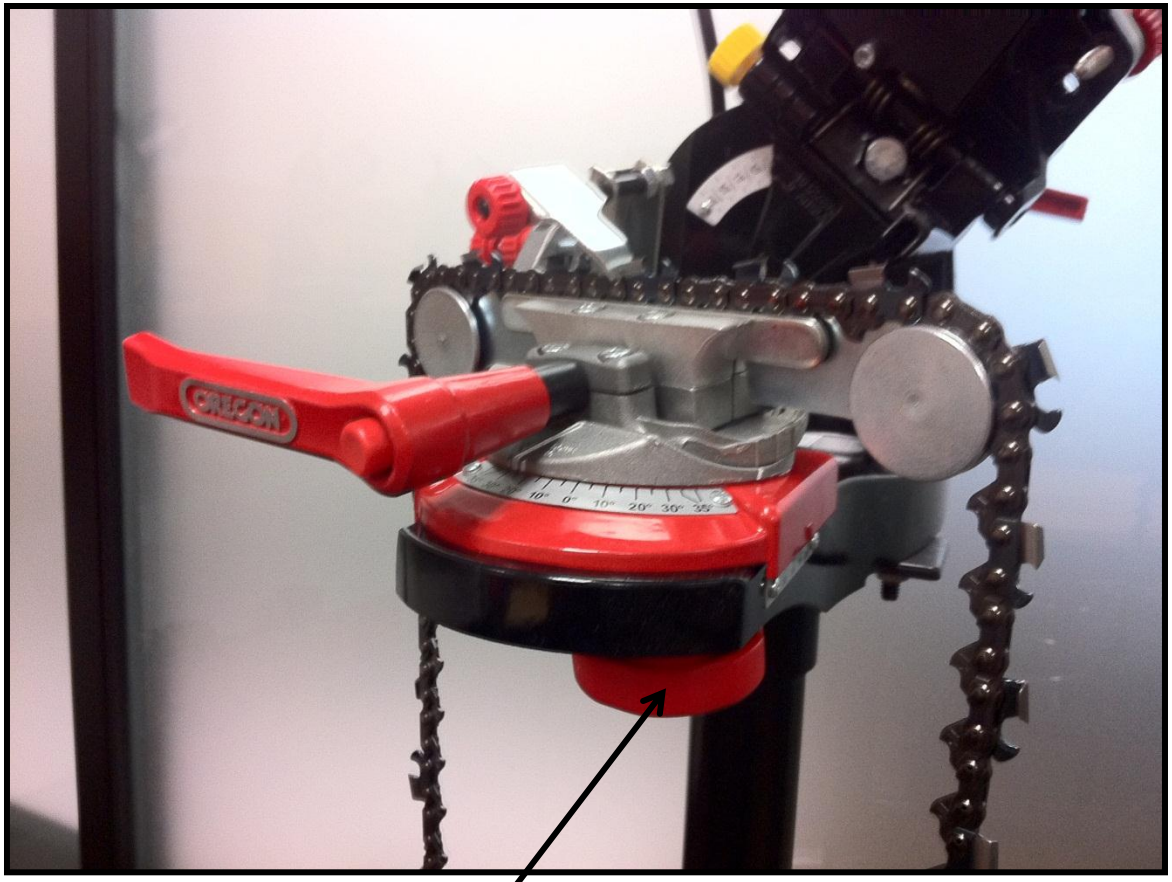

***Set the grinder head angle to the manufacturers recommended Top Plate Sharpening Angle. Position the "0" reference mark on the angle desired when sharpening chains without "down Angle". Position the "10 down" reference mark when sharpening chains with "down angle".***

# Step 5 - Set the vice Assembly




***Set the vise assembly to the manufacturers recommended top plate sharpening angle for your chain by loosening the knob and turning the vise clockwise for RH cutters counter clockwise for LH cutters.***

# Step 6a – Setting the vice Assembly w/“Down Angle”



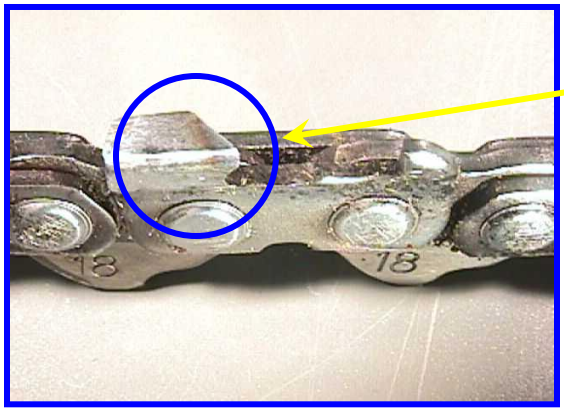

***Loosen the knob and tilt the vice away from the operator for RH cutters. Tilt the vice towards the operator LH cutters.***

***.***

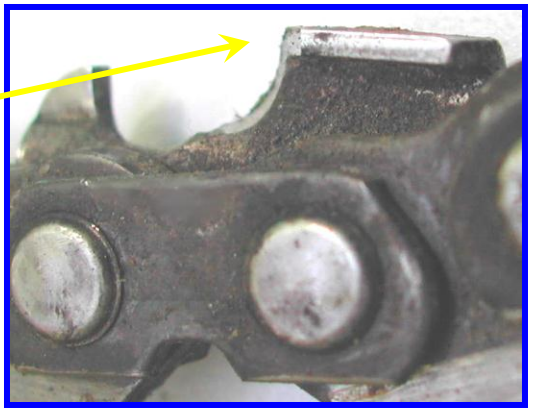
# Step 6 – Setting the vice Assembly w/“Down Angle”


***Tip: Push the knob away “right away” from the operator for RH cutters until the raised line closest to the operator lines up with the triangular indicator on the vise base. Pull the knob towards operator for LH cutters, until the line furthest from the operator lines up with the triangular indicator on the vise base***

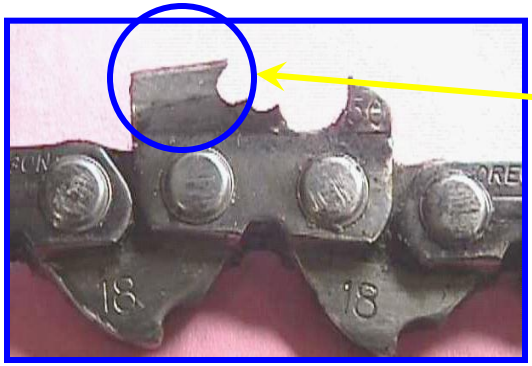
# Typical Grinding Errors



***BURNED CUTTERS***
***Grind in split second intervals with a well dressed grinding wheel.***



***BACK SLOPED SIDE PLATES***
***Ground with too large of a grinding wheel, or the wrong Top Plate Cutting Angle.***



***AGGRESSIVE SIDE PLATES***
***Ground with too small of a grinding wheel, or the wrong Top Plate Cutting Angle.***