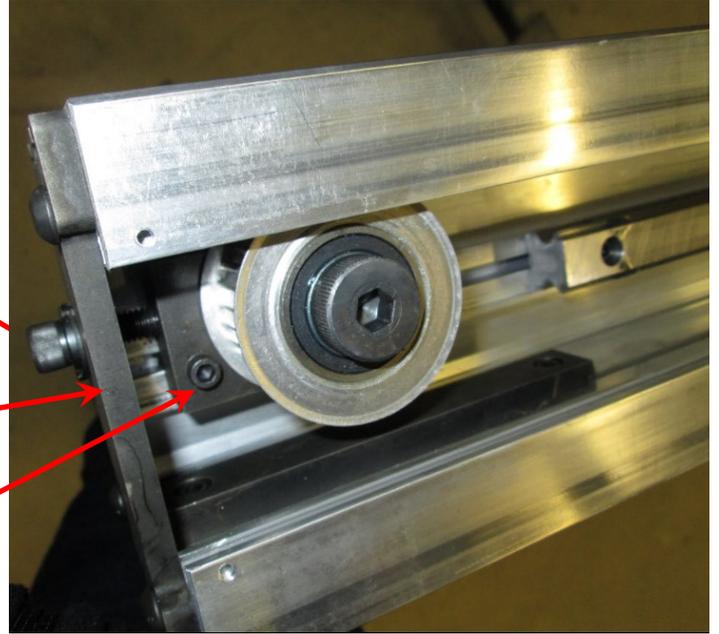


1) Remove the tensioning screw and then the end cap on the idler end of the RazorGage. This is the end opposite the motor.

Tensioning Screw

End Cap

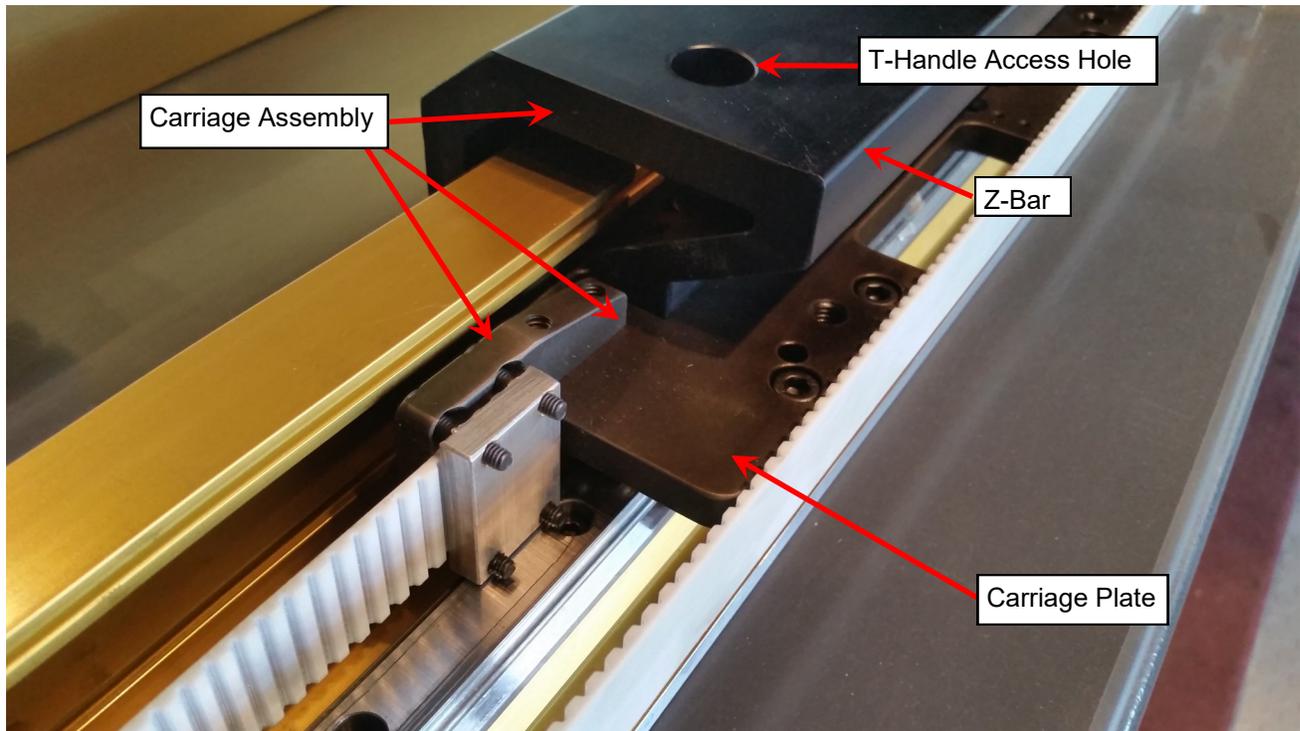


2) Loosen the two screws that hold the idler block and slide the idler block toward the motor to relieve tension on the belt.

3) Remove the 4 screws that hold the drive assembly to the extrusion and remove the drive assembly.

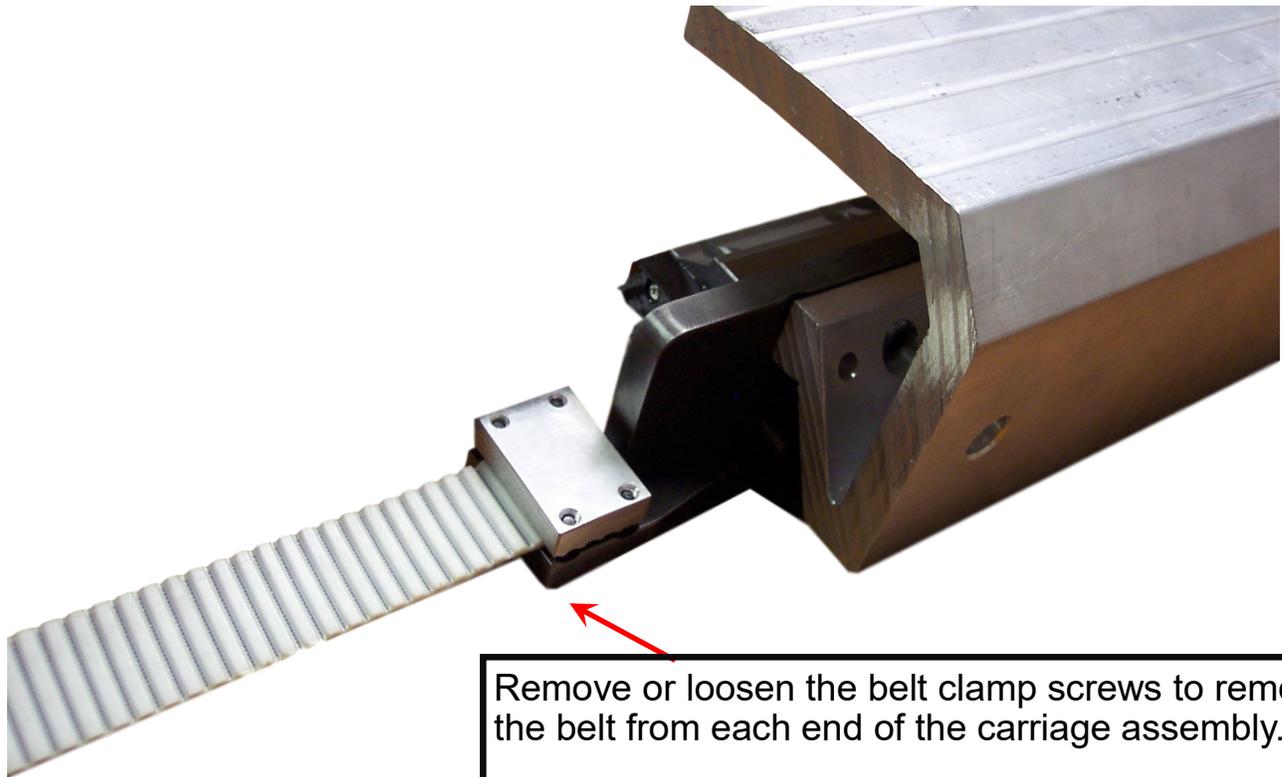


The photos below are taken of a RazorGage whose main extrusion has been cut away so that the inner workings can be more easily viewed. It will be more difficult to see these features on your RazorGage. On most machines you will not need to remove the Z-Bar from the carriage so you can skip the next step if you see no reason why the whole carriage can't be slipped out the end with the Z-Bar attached.



If you need to remove the Z-Bar, use a T-Handle allen wrench to access the socket head cap screws that secure the Z-Bar to the carriage plate. The Z-Bar is pinned to the carriage plate so one must remove it by gently working it off the pins once the screws are removed.

4) With the belt attached, slide the carriage assembly off the linear guid rail. BE EXTREMELY CAREFUL AS THE LINEAR BEARING BLOCKS ARE COMING OFF THE RAIL. Keep the carriage in line with the rail and do not apply lateral force to the carriage or torque the carriage as the bearings are coming off the rail. This will cause balls to fall out of the bearing block. If a ball or two does fall out just clean them thoroughly with solvent, coat them with grease, and poke them back in the slot amongst the other balls.



Remove or loosen the belt clamp screws to remove the belt from each end of the carriage assembly.

Repeat all steps in reverse order to reassemble the system. Once you've got it back together, you will need to tension the belt. Don't tension it too tight or the motor will not be able to move the carriage at higher speeds. It's OK if there is a little slack in the belt, especially on long systems. After the belt is tensioned you will need to go to the SETUP SCREEN and press the calibrate button and perform both steps 1 and 2 of the calibration process.