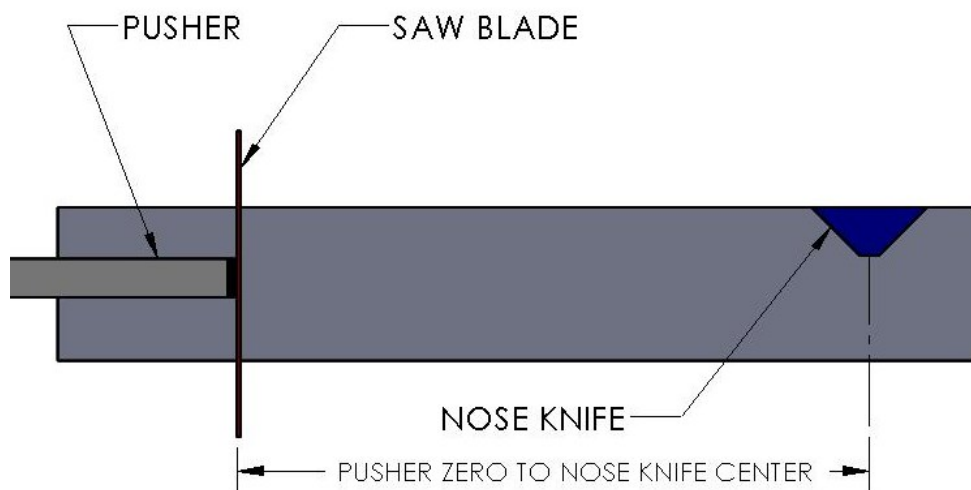# RazorGage

RazorGage Notcher / Saw Combo Setup

There are two settings that must be set on the RazorGage for notched parts to come out perfectly. One is the Home Offset and the other is the Pusher Zero to Nose Knife Center parameter. Both are accessible by touching the SET UP button in the upper right corner of the MAIN SCREEN.

Once in the SET UP screen you will first set the HOME OFFSET by clicking the CALIBRATE HOME OFFSET button in the lower center portion of the screen. This parameter describes the distance from the pusher face to the near side of the saw blade when the RazorGage is in the HOME position. The HOME position is the position the pusher ends up in after the RazorGage has completed the homing routine after software startup. Follow the on-screen instructions to set the HOME OFFSET. The result will be a negative number that will be in the neighborhood of 24 inches. As you can tell from the diagram above, the PUSHER ZERO position is when the pusher face is flush with the near side saw cut line. So a good test is to go to the MAIN SCREEN and enter a position of zero. When the pusher is in the zero position and with the saw blade not turning manually bring the saw blade down to see if the teeth brush the surface of the pusher face. This will confirm that the Home Offset is set correctly. The best way to check the HOME OFFSET is to cut a few parts and measure them with calipers. They should be accurate to within a few thousandths of an inch. DO NOT ATTEMPT TO SET THE PUSHER ZERO TO NOSE KNIFE CENTER PARAMETER UNTIL THE HOME OFFSET IS SET PERFECTLY.

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Next you must set the PUSHER ZERO TO NOSE KNIFE CENTER parameter. From the MAIN SCREEN enter negative numbers in the minus 24 range. After each try put a nice square piece of wood on the face of the pusher and use it to gage when the face of the pusher is aligned with the near corner of the nose knife as shown at right: When the pusher face is perfectly aligned with the near corner of the nose knife, write the current position down and add half the nose knife width to it. The sum is the PUSHER ZERO TO NOSE KNIFE CENTER parameter.