

MC CABLE CUTTER & PIGTAILER

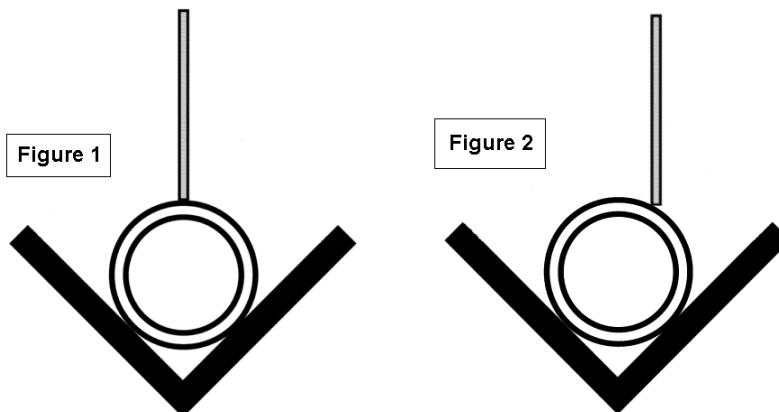
V-Block Adjustment

(01/20/04)

Proper alignment of the V-Block to notching blades is important to prevent “grabbing” of the cable as it is cut. What happens is that instead of cutting directly into the cable the blades cut alongside of the cable and can grab it and force it into the cut-off saw. This can also be the cause of broken notching blade teeth. Proper alignment is verified before shipping, but rough handling during shipping or at other times can move the V-Block, resulting in misalignment. You may also have to adjust the V-Block towards the front of the MC Cable Cutter & Pigtailer when moving from a smaller diameter cable (ie: 14-2) to a larger cable (ie: 10-3). The following procedures outline the V-Block adjustment. This document is a supplement to the Operating Instructions.

Tools you might need will be: ¼” straight slot screwdriver, 7/16” wrench, a couple small scraps of MC cable, several feet of MC cable to test-cut with (preferably the size you will be using).

- Before adjusting the V-Block, mark its location on both sides of the lower frame, front and rear, to refer to while adjusting. Also mark the center points where the V-Block contacts the tubes. Unplug the machine, remember—SAFETY FIRST!!!
- Prop open the spring-loaded hold-downs about ½” with some scraps or 5/16” nuts. Remove the hold-down pads/rods noting the position of the washers. Take two pieces of MC scrap and put them under each notching blade.



- Referring to figures 1 and 2, look lengthwise down the V-Block. Figure 1 shows proper adjustment. Figure 2 shows improper adjustment. The notching blade should be centered on the MC scrap +/- 1/16”.
- If the V-Block requires adjustment, loosen the clamping nuts until you can move it with a gentle nudge in the direction of the notching blade to center it. Make note of your reference marks. Also be sure the V-Block remains centered with the marks you made on the frame tubes. Tighten the clamps and recheck the adjustment. As you bring the cut-off saw down, make sure it goes into the center slot without interfering with anything. It may take a few tries before you get the adjustment correct but the results are worth it. Don't overtighten the clamps nor leave them too loose.
- While leaving the hold-downs propped open, raise the cut-off saw to the top of its travel and unplug it. Plug the machine in and do a nice, slow test cut on some cable—you may want to clamp the cable with vise-grip pliers in case it grabs. You are checking to see if the cable is being notched in the center and that the depth of cut is about the same. Re-adjustment of the V-Block or extra shimming of the drills is sometimes necessary.
- If you plan on putting the hold-down staples in them, now is the time—otherwise, re-install the hold-down pads noting proper V-Block and hold-down tube guide alignment. Leave the cut-off saw up and unplugged.
- Continue to test cut MC cable and adjust the depth of cut, then lower the cut-off saw and plug it back in and recheck depth of cut by test cutting some small whips. If adjustments and technique are working, you will not need to clamp the cable for these test cuts as the hold-downs and notching blade alignment should prevent grabbing.
- Refer to the Operating Instructions or feel free to call the office if you have any additional questions...

McCUTTER, Inc.

1930 N. Kingway Drive
Deltona, Florida 32738

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