

WS9B Semi-Con Shaving Tool

Instruction Sheet

Warning! This tool should not be used on live electrical circuits. It is not protected against electrical shock! Always use OSHA/ANSI/CE or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.



We recommend the following procedure is first performed on a test piece of cable so optimal blade adjustments can be made before use.

1. Prepare the cable for the semi-con shaving operation by straightening the cable. We also recommend the cable end is cut off with a hack saw to reduce cable distortion.
2. Set blade holder to selected graduation mark on top surface of tool for conductor size of cable (Fig.1)
3. Set the blade depth to selected graduation mark on the blade for conductor size being shaved (Fig.2). The low mark is for 1000 mcm, center mark is for 400, 600, and 700 mcm and the high mark is for 1/0 conductors. The tool produces a tapered shape at the insulation shield end. The table at the bottom of the page will give the approximate taper lengths at the insulation shield end.
4. Apply silicon lubricant over the area of cable to be shaved.
5. Secure the tool on cable by turning knob at bottom of tool. Tool should feel snug, but not binding.
6. Rotate tool clockwise around cable. The tool will advance (crawl) along length of semi-con on the cable as it rotates and shaving should not exceed 1/4 inch width. Observe the cut. After shaving operation, some semi-con shield may be left on surface due to small variations in the semi-con thickness. This can be removed by aluminum oxide cloth.
7. If necessary, re-adjust the blade depth. Use the depth adjusting block (Fig.3) to aid in small depth changes. Make 1/4 turn changes to arrive at an optimal blade depth. The tool is now adjusted for final use.
8. Locate a stop clamp on the cable to produce the desired shave length. Operate the tool as noted in steps 4,5,and 6 and run the tool up against the stop clamp until the semi-con chip breaks off.

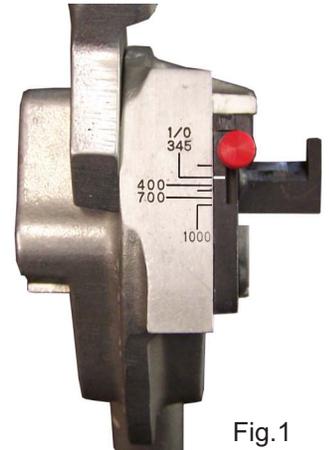


Fig. 1

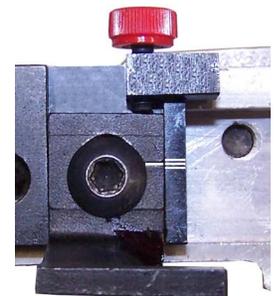


Fig. 2

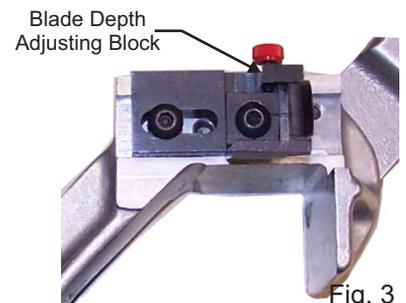


Fig. 3

Replacement blade: CB 98 p/n 28201

<u>CONDUCTOR</u>	<u>INSULATION SHIELD</u>	<u>TAPER LENGTH (APPROX.)</u>	<u>BLADE SETTING</u>
1/0 260 Mil & 1/0 345 Mil	.035 inch (nominal)	1/4 in.	Highest Mark
400,600, 700 MCM	.055 inch (nominal)	5/16 in.	Center Mark
1000 MCM	.075 inch (nominal)	3/8 in.	Lowest Mark

WARRANTY: RIPLEY warrants its products against defective materials and workmanship for a period of one year from date of shipment from the RIPLEY factory provided the product is utilized in accordance with instructions and specified ratings.



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