

OPERATING INSTRUCTIONS

Model WS9D and WS9E Semi-con Shaving Tools

Warning! This tool should not be used on live electrical circuits. It is not protected against electrical shock! Always use OSHA/ANSI 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.



Model WS9D and WS9E
Cable range 1.90" - 3.625" (48.3mm - 92.0mm)

SET UP

1. Use a sample piece of cable, cut with a hack saw, to make blade adjustments.
2. Straighten and wipe the cable clean
3. Apply a film of silicon cable lubricant over the area to be shaved.
4. There are two adjustments for the blade positioning; "A" Blade Holder position, and "B" Blade Depth position, Fig 1.

To set the Blade Holder position: Align the tool on the cable at 45° as shown with the blade extending just out over the cable end. Tighten adjusting knob "C" clamping the cable firmly in the tool jaws.

Position and tighten the Blade Holder so the straight cutting edge "D" of the blade in the WS9E tool is at 11:58 o'clock, or in other words, just before "dead center" of the cable vertical axis. Set the blade in a similar manner with the WS9D. The radius corner of the blade is set just before dead center, Fig.2

To set the Blade Depth position: The graduations on the Blade Holder are reference marks when re-setting positions. Looking into the cable end, set the blade depth so its cutting surface is just below the semi-con thickness, slightly into the insulation. Secure the blade screw B. Turn the red blade adjusting screw until it touches the top of the blade. Rotate the tool a few turns around the cable with a slight forward pressure. Note how much insulation is being shaved along with the semi-con. Back the blade depth out in minute stages utilizing the red adjusting screw until the least amount of insulation is removed with the semi-con. This will be the final Blade Depth setting. (Note: The blade re-adjustment process is easier if the preliminary depth is "a little too deep" and the blade is progressively worked shallower to the final setting.)

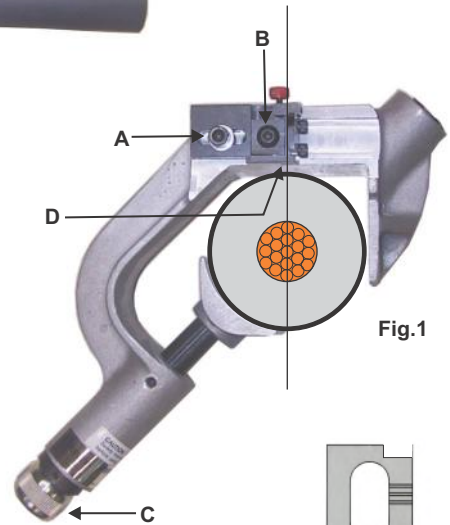


Fig.1

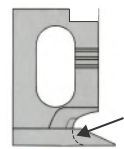


Fig.2

5. **OPERATION:** The tool is now ready for use.
 - A. Be sure the cable is straight for the length to be shaved and wiped clean
 - B. Apply a film of silicon cable lube over the area to be shaved.
 - C. Clamp tool firmly over cable.
 - D. Rotate tool around cable in a continuous motion, controlling the forward 'travel' to produce a shaving between 1/16" and 1/8" wide for the WS9D. The WS9E width will be wider.
 - E. Occasionally pull off any accumulation of shavings that may bunch up ahead of the tool as the tool is rotated.
 - F. Ripley QC-2 clamp can be used as a 'stop' to produce a squared off finish.
 - G. Loosen and remove the tool.
6. If required, the insulation surface can be further smoothed by polishing with an Aluminum Oxide abrasive tape. The insulation can also be wiped clean with an approved solvent.

Replacement Blades: CB40X-N Blade (p/n 24305) for WS9D tool
CB98 Blade (p/n 28201) for WS9E tool

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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