

US02-7000

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.

The US02-7000 Semi-con Shaving Tool is used to remove bonded semi-con from 5-35kv power cable. The cable size range is 18mm to 60mm (.70 - 2.4") diameter over the semi-con screen with semi-con thickness up to 2.4mm (.095") thick.

Tool Features

- blade shape design provides superior finish on shaved insulation
- precision blade depth adjustment with 0.1 mm (.004") depth increments
- four feed positions to optimize tool performance
- a stop position to end the shave operation squarely and cleanly
- 12 degree chamfer at semi-con end
- multiple contact bearings provide stable cable support
- fast and easy blade replacement
- each tool supplied in molded protective carrying case

Operating Instructions

1. Retract the blade to its highest position by turning the blade adjusting knob counterclockwise.
2. Open the tool and locate the cable end at the taper transition on the blade. Secure the cable in the tool (Fig. 2a, 2b)
3. Turn the blade adjusting knob clockwise until the blade touches the semi-con screen.
4. Set the feed lever at #1 stripping position. #1 is a conservative feed.
5. Rotate the tool on the cable. As the tool advances on the cable, observe the semi-con chip and re-adjust the blade depth for a minimal thickness of insulation removal and an optimal shaving result.
6. The feed lever has four indexed feed positions. It can be indexed diagonally toward the #2 for a more aggressive feed or fully at the #2 for the fastest feed. The feed can be backed down by indexing the lever diagonally toward the Stop position.
7. Observe the shaved semi-con strip during operation. During the shaving process, do not allow the strip to get caught under the cable rollers. This will disturb the shaving result. A convenient technique is to wind the shaved semi-con strip around the tool bar handle while shaving (Fig.3)

(continued)

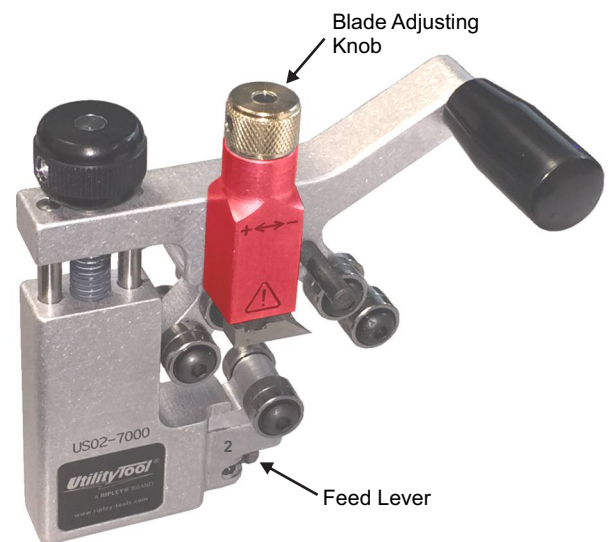


Fig.1



Fig.2a

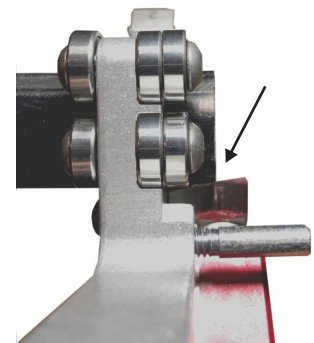


Fig.2b



Fig.3

8. Another option is to guide the strip around the shaved insulation using the winding pin. (Fig.4)

9. After shaving to the desired length, move the feed lever to the stop position. Make one full turn to finish the shaving. Remove the tool from the cable.

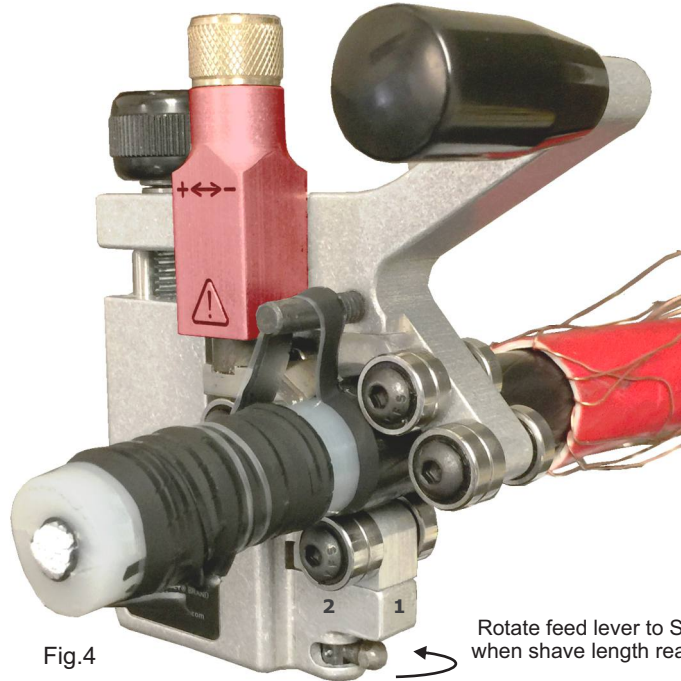


Fig.4

Shaving operation using the winding pin. Note the direction of the semi-con strip around the pin.

Replacement Blade: p/n US02-7501

Use 9/64" Hex Wrench to remove blade holding screw underneath blade.



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