

## Tweezers and Small Tool Repair Kit Product No. 54528

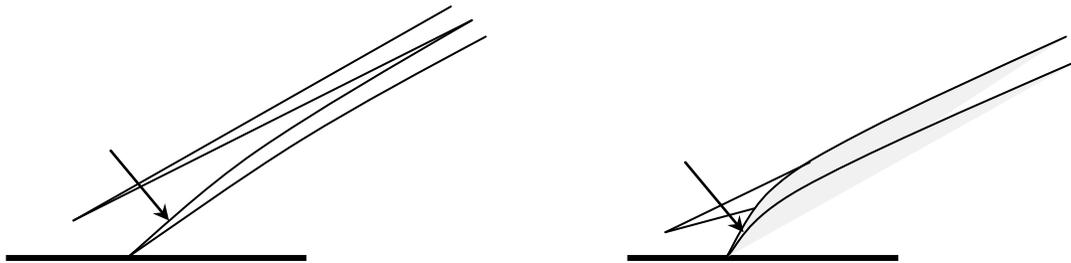
This Kit is designed to repair, sharpen, and redress tweezers and small tools like jeweler's screwdrivers, probes, micro picks and minitools.

It consists of the following:

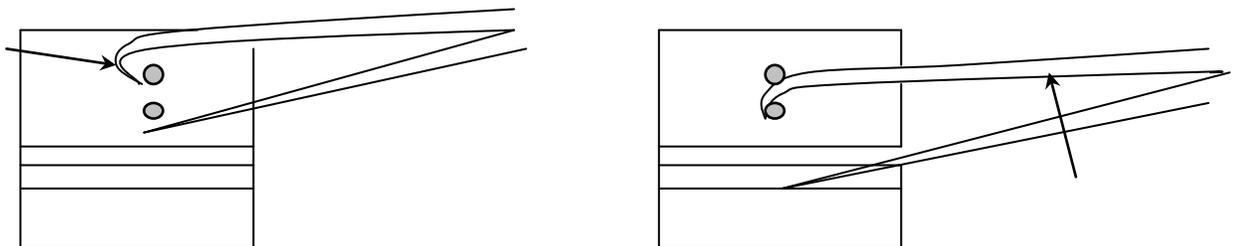
- Steel straightening block with dual pins for fulcrums and a V-groove for straightening bent tips.
- Finest translucent Arkansas sharpening whetstone with groove for sharpening and dressing tweezers, tool blades, and probe points.
- 1500 grit metallographic paper strips for removing burrs.
- O-rings for holding tweezers tips closed during dressing.

### Instructions for Repairing Tweezers

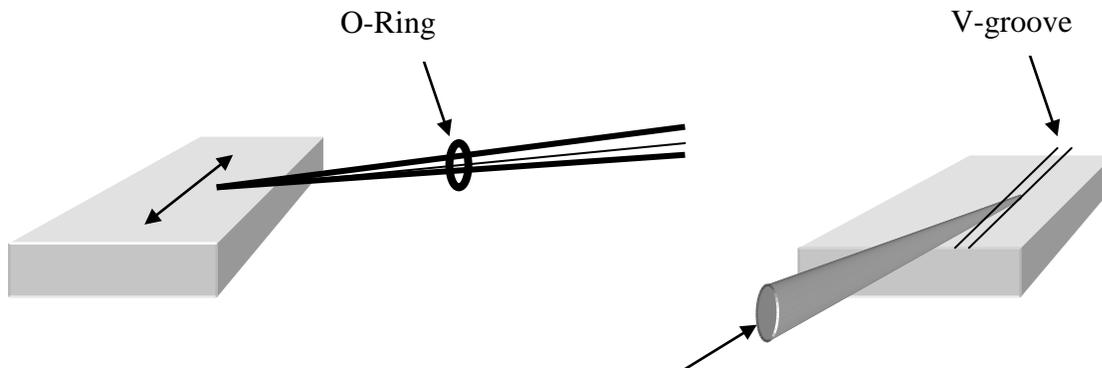
To straighten tweezers tips that are bent outwards or sideways, press the bent tip against the steel block or in the V-groove until straight. Fine adjustments can be made by bending between the dual pins.



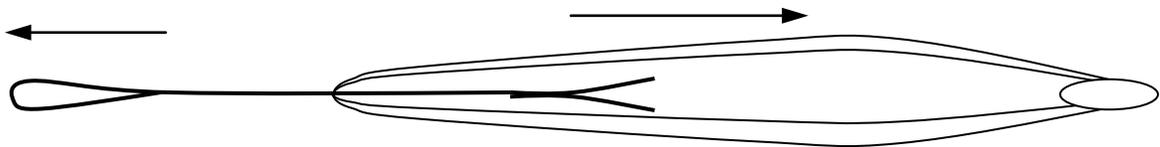
To straighten tweezers tips that are bent inwards or hooked, press or pull them against the pin or bend against one pin while using the second pin as leverage to straighten the tip.



Dress the tip on the Arkansas stone while holding tweezers closed with an O-ring. Draw the point back and forth over the stone while holding the tweezers perpendicular to the motion. The tip can also be dressed by sliding it in the V-groove. It is best to push the tip so it faces into the motion.



To remove small burrs on the inside edges of the tips, pull the closed tweezers over folded metallographic paper.



Repair jeweler's screwdrivers, probes, picks and other minitools by removing bends and dressing tips in a manner similar to that for the tweezers.

#### **Some useful rules of thumb for using the Arkansas whetstone:**

- Don't grind the tools blade by swirling it over the stone.
- Use water on the stone to extend the life of the stone by floating out metal particles from the stone's pores. Rinse the stone when you're done.
- Maintain a consistent 20-30 degree angle of the tool blade against the stone.
- Draw or push the tool across the stone in a single sweep so as to pass over the stone in one motion.
- Always push or draw the blade so the edge faces into the motion
- Hone the blade with an equal number of strokes for each side.
- Use the V-groove in the stone to sharpen pointed tools like picks and probes.