

## Cleaning or Replacing the Protective Lens

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The protective lens for the optical system is located under the V-groove block. The protective lens must remain clean at all times for the optical system to function properly. Occasionally dirt and fiber coating debris will build up on the protective lens. This can result in error messages being displayed on the splicer. Keeping the electrode flap closed as much as possible can reduce the chances of a dirty protective lens.

### Necessary tools:

- Slotted screwdriver - 5 mm wide
- Slotted screwdriver - 2.3 mm wide
- Tricep tool
- Chamois or lint free tissue
- Window cleaner
- Electrode wrench

### Cleaning or Replacing Procedure

1. Disconnect the splicer from the power supply.
2. Open the electrode flap.
3. Using the electrode wrench, loosen the set screws that secure the electrodes by about two turns. Remove the electrodes using tricep tool (Figure 1).
4. Completely loosen the two flat head screws that secure the V-groove block with the 5 mm screwdriver (Figure 2).
5. Use the small 2.3 mm screwdriver to loosen the small set screw in the V-groove alignment block by about three turns. **DO NOT COMPLETELY UNTHREAD THE SETSCREW** (Figure 2).
6. Using tweezers, gently lift the V-groove block out of the splicer. *Be careful not to loose the two flat head screws* (Figure 3).
7. Take out the protective lens using tweezers. It may be necessary to use the 2.3 mm screwdriver to tilt it for easy removal (Figure 3).

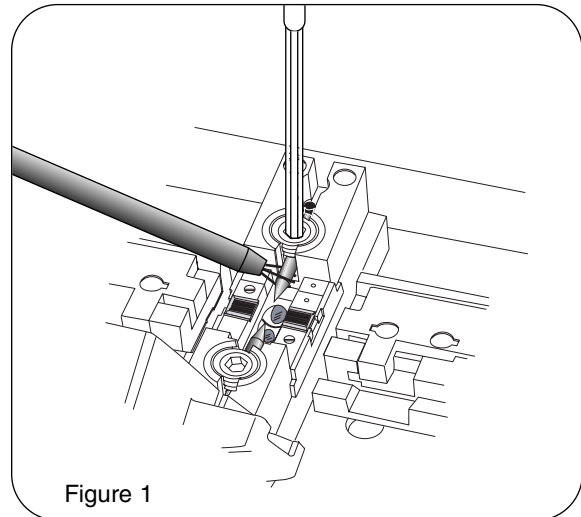


Figure 1

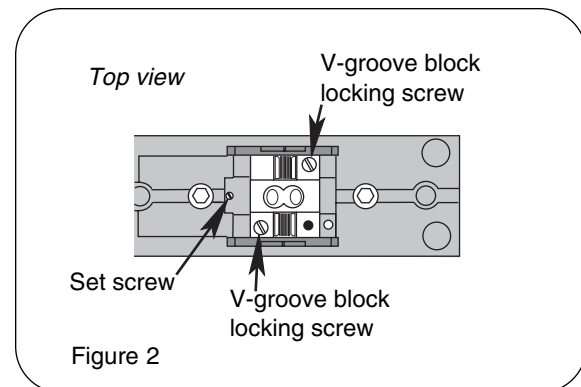


Figure 2

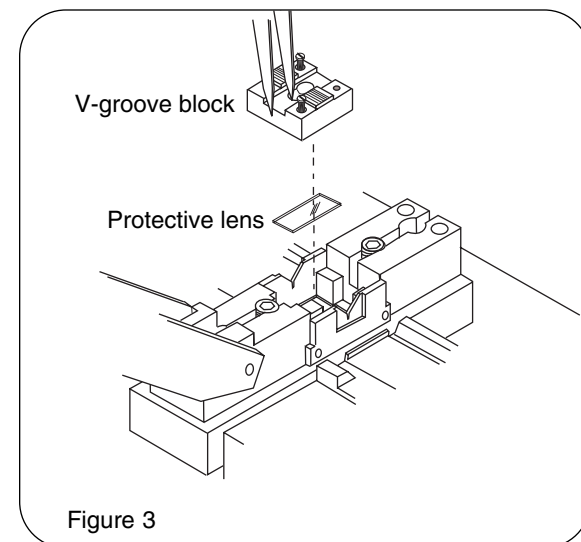


Figure 3

*continued*

## Cleaning or Replacing the Protective Lens *continued*

8. Clean the protective lens with the chamois cloth that is provided in the splicer tool kit. If no cloth is present use a lint free tissue dampened with window cleaner. *If a residue is present after proper cleaning the protective lens must be replaced.*
9. Re-install the cleaned or new protective lens using the plastic tweezers. Be careful not to dirty the lens. Also be sure the lens is seated in the channel.
10. Re-install the V-groove block. Be sure the black alignment dot on the V-groove block is aligned with the white dot on the splicer (Figure 4).
11. Gently thread the two screws about half the way down.
12. Gently turn the small set screw in the V-groove alignment block about two or three turns to slowly align the V-groove. Stop after resistance is felt. **DO NOT OVER TIGHTEN THE SETSCREW. DOING SO MAY STRIP THE TREADS IN THE V-GROOVE ALIGNMENT BLOCK.**
13. Gently tighten the two screws the rest of the way down stopping when resistance is felt. **DO NOT OVER TIGHTEN THE SCREWS.**
14. Re-install the electrodes with the tricep tool. Make sure the back of the electrodes makes contact with the stop. Use the electrode wrench to tighten the set screws (Figure 5).

