

## Cleaning CFS / CFSII™ Electrodes

The electrodes are one of the most important components in a fusion splicer. Periodic maintenance of the electrodes is required to insure a stable, consistent arc that will yield a low loss splice. White electrode tips and sizzling sounds are indicators that the electrodes need to be cleaned.

**Special note:** *Electrodes are consumable items not covered under warranty.*

### Necessary Tools:

- 3 µm polishing film or 600-grit abrasive paper
- 5/64-in. hex wrench
- Alcohol
- Lint-free tissues
- Tricep tool (yellow)

### Cleaning the Electrodes

1. Disconnect the splicer from the charging unit and internal battery.
2. Open the light tower. Grip one of the electrodes with the tricep tool. Use the hex wrench to loosen the set screw that secures the electrode by approximately one revolution (Figure 1).
3. Remove the electrodes with tricep tool. Be careful not to touch the V-grooves with the tool, as damage from hard objects can occur.
4. Place the side of the electrode tip on the polishing film. Rotate the electrode until all residue is removed (Figure 2). Afterward, clean the entire shaft of the electrode with the polishing film.



### Isopropyl Alcohol

**WARNING:** *Flammable. Flash point 59° F. Can cause irritation to eyes on contact. In case of eye contact, flush eyes with water for at least 15 minutes. Inhaling fumes may induce mild narcosis. In case of ingestion, consult a physician. Use with adequate ventilation.*

5. Clean the entire electrode with a lint free tissue dampened in alcohol to remove the polishing residue. Be careful not to touch the electrode with your fingers after cleaning.
6. Using the tricep tool, replace the electrode in the splicer being sure that the positive stop in the back of the holder. Tighten the set screw with the hex wrench until it is thumb tight.
7. Complete the same procedure for the other electrode.

**Note:** *Electrodes should always be cleaned or replaced as a pair.*



**WARNING:** *Never operate a fusion splicer without the electrodes in place. Extensive, irreparable damage to the unit and/ or personal injury may result.*

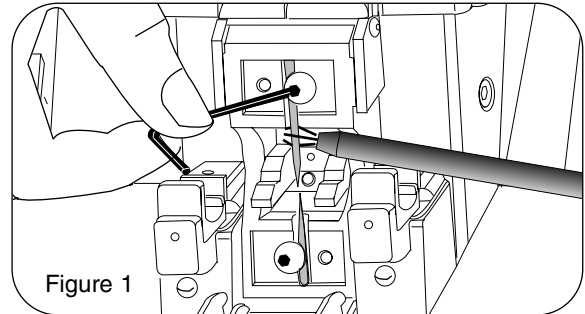


Figure 1

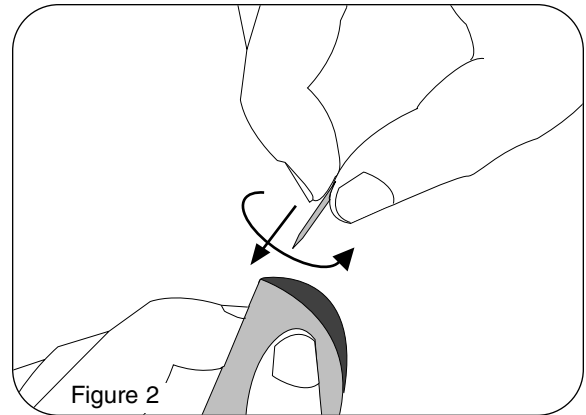


Figure 2

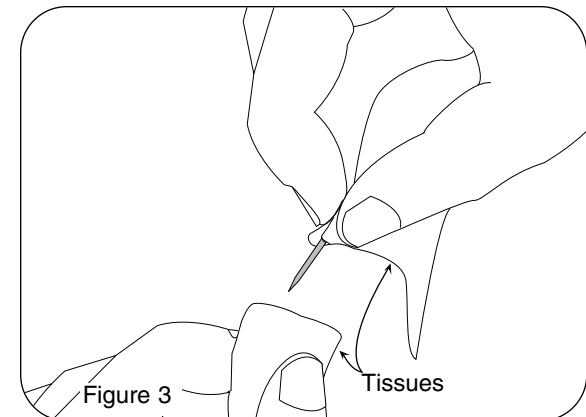


Figure 3

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