

M90 Tech Tips

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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.

Necessary Tools:

- Electrode hex wrench
- Electrode cleaning tool (p/n 3234001-01) and polishing paper
- Lint free tissues
- Alcohol
- Tweezers

Cleaning the Electrodes

1. Open the electrode flaps and disconnect the splicer from all power sources (Figure 1).
2. Use the hex wrench to loosen the screw securing the electrode retainer. Use tweezers to remove the electrodes (Figure 2):
3. Slip a new piece of electrode polishing paper in the electrode cleaning tool with the rough side facing the holes in the cleaning tool.
4. Place one of the electrodes in the hole that matches the electrode size. While securing the polishing paper, rotate the electrode several times (Figure 3).
5. Remove the electrode from the tool and clean off the polishing residue with a lint free tissue dampened in alcohol.
6. Replace the electrodes in the splicer, being sure to insert them completely in the holder. Tighten the retainer set screws with the hex wrench until they are thumb tight.

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

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



Warning: *Never operate a fusion splicer with the electrodes removed. Extensive, irreparable damage to the splicer and or personal injury may result.*

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Cleaning M90 Electrodes

