

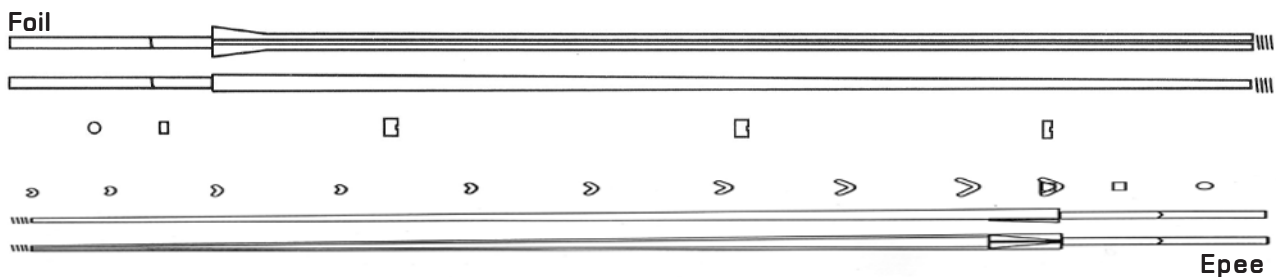


BLADE WIRING AND REPAIRING

Procedure for the Wiring and Repairing of Blades

1. Remove the blade from the weapon.
2. Remove the retaining screws, tension spring and point top, and clean all parts with point cleaning fluid reference **TC2**.
3. Remove the wire from the blade with the help of a broken hacksaw blade or some similar sharp instrument.
4. Clean the groove out thoroughly using a sharp edge to leave a clean, rough surface along the whole length of the blade.
5. Sometimes it is possible to push the nylon contact block out of the base using a paperclip or similar-sized wire, pushing upwards from the groove in the blade, if not: - Unscrew the base using a spanner (if the base has flats) or by tightening a drill chuck round it. The nylon contact block can then easily be removed.
6. Make sure there is nothing left in the bottom of the base before replacing and tightening it again using a spanner or chuck. Blade resin **TG2** or some other similar lock resin should be used in the thread to avoid loosening in use.
7. Wrap tape around the blade tang (approximately 3" from the shoulder) to prevent damage when tying off the wire during glueing.
8. Insert the blade wire into the base and pull down gently towards the tang, holding the wire straight both sides of the base to prevent the insulation being damaged as it passes through the narrow hole. When the wire has fully passed through and the nylon block is against the top of the base, hold the blade in a vice and push the block firmly down into the bottom of the base using wire applicator **TA2** for a foil or **TA4** for an epee. When pushing the block down into the base pull the wire gently out to prevent the wire being trapped.
9. Pull the wiring straight down the groove (for epee do not allow wires to cross one another) and wrap around the tape covering the tang several times, passing the last turn under so that the wiring is kept taut in the groove ready for glueing.
10. The wiring can be checked before glueing for continuity and short circuits by assembling all the point parts and testing from wire ends with an ohmeter or a test box **TT6**.
11. To glue the wire into the groove mix sufficient glue ref. **TG2** (or similar type) and apply with a fine-nozzled bottle along the complete length of the blade only. The wire should be completely covered, but care should be taken not to allow the glue to overflow beyond the wire.
12. Allow 24 hours for the glue to set hard, keeping the blade in a bent position by means of a piece of string tied from the tang to the tip to form a bow, make sure the blade wiring is facing outwards.
13. Release the string and remove tape from tang and then test electrically once more.
14. Foil blades should then be taped for 15 cms. from the tip with insulating tapes **TT2** and **TT4**.

NOTE: To aid the rewiring of epee blades we can supply a plastic clip (**TA6**) which holds the epee wire in place at the forte during glueing.



TC2



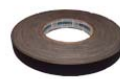
TA2



TA4



TT6



TT2



TT4



TA6

