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## 6850 Auto Polisher

## 1.0 General

1.01 The 3M brand 6850 Auto Polisher is a compact, portable machine designed to polish 3M Hot Melt Multimode 6100 or 6102H Connectors. The machine is powered by a 120 volt AC to 12 volt DC wall-plug converter. The 6850 Auto Polisher is designed to fit into the 6150 or 6150A Field Termination Kit case.

## 2.0 Components

- Polishing Machine
- 120 volt AC to 12 volt DC Converter
- 200 Gram Weight
- 3M brand 6192B Polishing Film

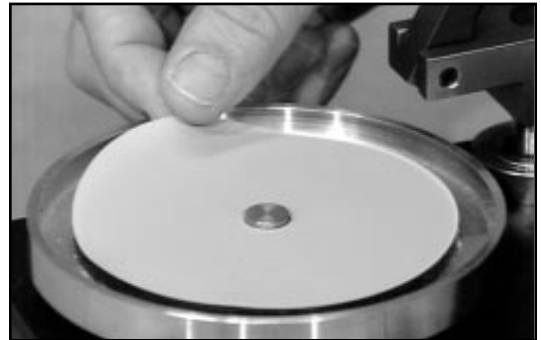


## 3.0 Polishing Hot Melt Multimode Connectors

3.01 Plug power converter 12 volt DC output jack to input connector on polishing machine. Plug power converter into a 120 volt AC outlet.

3.02 Place a fresh piece of 6192B Polishing Film onto rubber polishing disk. One or two drops of water on rubber disk will help secure polishing film to rubber polishing disk.

3.03 Assemble fiber optic connector onto fiber per standard procedure. Score and remove glass fiber extending out of hot melt adhesive. See instructions for connector being used.



3.04 Install connector onto connector holder.



3.05 Gently lower connector holder onto abrasive film.

3.06 Set timer for 30 seconds. Press red reset/start button twice, once to reset; once to start.



3.07 When machine stops, lift connector holder off of abrasive film and install 200 gram weight.



3.08 Gently lower connector holder onto abrasive film. Press reset/start button twice.

3.09 When machine stops, remove connector from connector holder. Clean ferrule with isopropyl alcohol, inspect and place a protective cap on connector.

**Note:** *Carefully follow health and safety information on container label or Material Safety Data Sheet for isopropyl alcohol.*

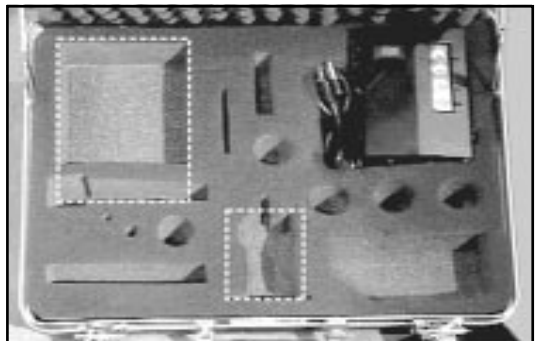
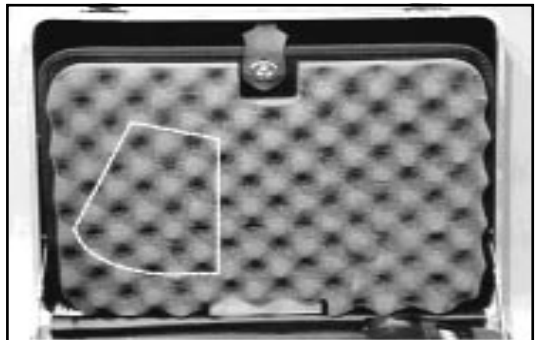
3.10 Remove polishing film from machine and discard. Remove 200 gram weight from machine.

3.11 For additional connectors repeat steps 3.02 thru 3.10.



#### 4.0 Machine Storage

4.01 The 6850 Auto Polisher may be stored and/or used in the 6150 Field Termination kit case. It is necessary to remove selective sections of cushioning foam from bottom of case and center divider panel to accommodate polisher and power converter. Remove sections of foam as indicated by dashed lines.



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34-7031-3365-1

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