

# MODULAR CONNECTOR SYSTEM

**3M**

## 3850 Bench Pneumatic Activator

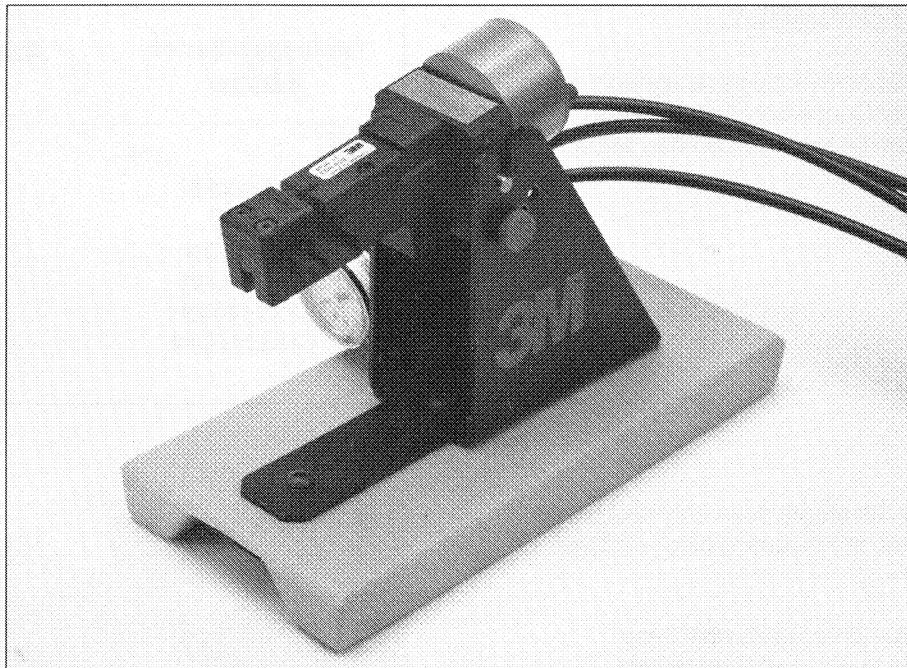
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The 3850 Pneumatic Activator provides you with a system allowing you to increase the termination rate of existing assembly heads, without a major capital investment.

Increased productivity is easily achieved through a reduction of operator fatigue; allowing for both hands of the operator to be free; increased operator visibility; and reduced set-up time using a stationary unit that does not require bench mounting.

3M now provides you with a system that facilitates your efforts to meet the production requirements of your larger volume users.

## Instructions for the assembly and operation of the 3850 Pneumatic Activator



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### GENERAL:

The instructions to follow will point out the initial assembly of the activator and air source needed. Also included are connector assembly procedures and assembly head options.

## SET-UP INSTRUCTIONS

1. After unpacking activator from shipping carton, set it on a flat working surface. Remove foot pedal, two (2) 1/4 x 96 inch black poly tubes, and one (1) 1/4 x 60 inch black poly tube pre-assembled with wall fitting, packed separately in same carton.
2. Connect the plain end of the 60 inch poly tube to the straight fitting marked with arrow.  
**Note:** Do not connect to air supply at this time.
3. Connect one end of the 96 inch poly tube to the 90° tube fitting located on the regulator. Connect the other end to the foot pedal fitting marked IN.
4. With the second 96 inch poly tube, connect one end to the 90° tube fitting on the actuator cylinder and the second end to the foot pedal fitting marked OUT.

**Note:** These fittings are quick connect/disconnect style. Pushing the tube into the fitting locks the tube in place and provides an airtight seal. To disconnect the tube, be sure that the actuator is disconnected from the air

supply, then push the green sleeve in toward the assembly and at the same time pull the tube from the fitting.

5. Attach the wall fitting to the shop air supply. (A minimum of 80 psi is required):
  - a. Make sure regulator adjustment knob is unlocked by moving ring towards knob. Set regulator so it will not exceed 85 psi. Relock adjustment knob by moving red ring away from knob. Ring should snap into place. Regulator can be reset at a **lower** pressure if desired, depending on type of termination.
  - b. Clean air is recommended. If using synthetic oil in compressor or airline lubricator, a coalescing filter upstream is recommended.
  - c. Also recommended is a particulate filter upstream of the regulator.
6. The mounting block can be adjusted by removing thumb screws and repositioning for ease of assembly.

## CONNECTOR ASSEMBLY

The 3850 Pneumatic Activator was designed to be used with all Modular Connector System heads. The appropriate head can be found in the chart listed.

Connector Series Number	Assembly Head Number
SHG socket	3624-10
SH2 PCB	3624-12
SLG socket	3624-11
SEG socket	3624-14
CHG socket	3624-41
CHG Mil DIN	3624-42

1. After determining the proper assembly head, slide the head down onto the mounting block until the head locks (Figure 1).

**Note:** See appropriate assembly head instructions for use of head and proper termination requirements.

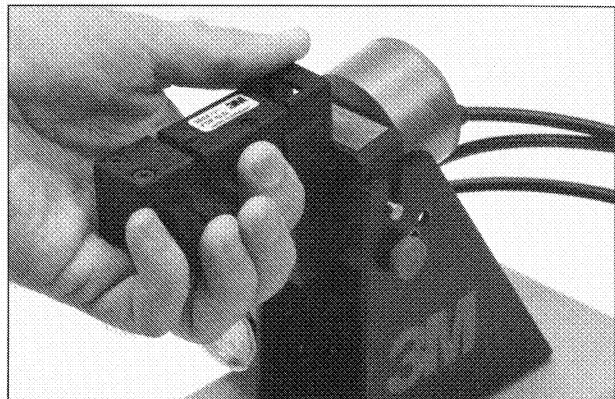


Figure 1

2. Place connector on assembly head slide as shown (Figure 2).

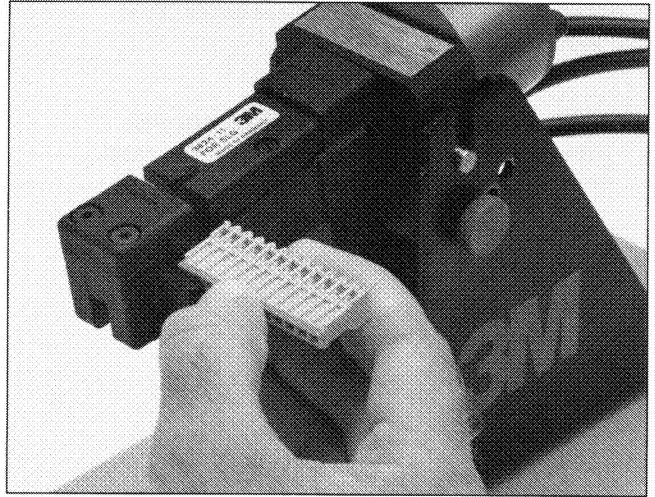


Figure 2

3. Slide connector to the left until the space between the first contact is aligned with the slot in the assembly head (Figure 3).

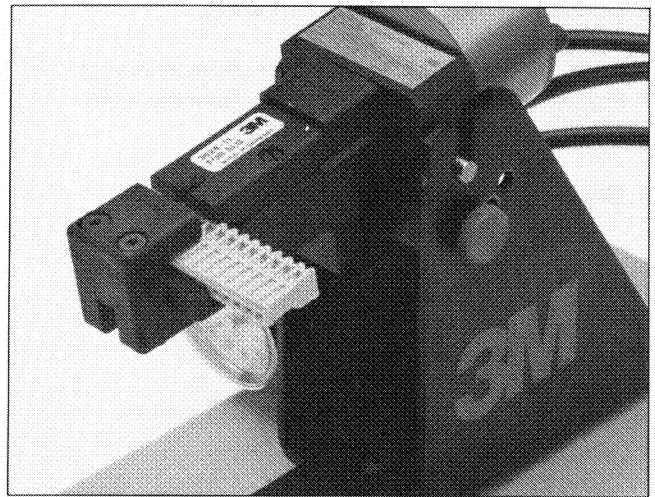


Figure 3

4. Place the appropriate wire in the slot in the assembly head, making sure it goes all the way to the bottom (Figure 4).

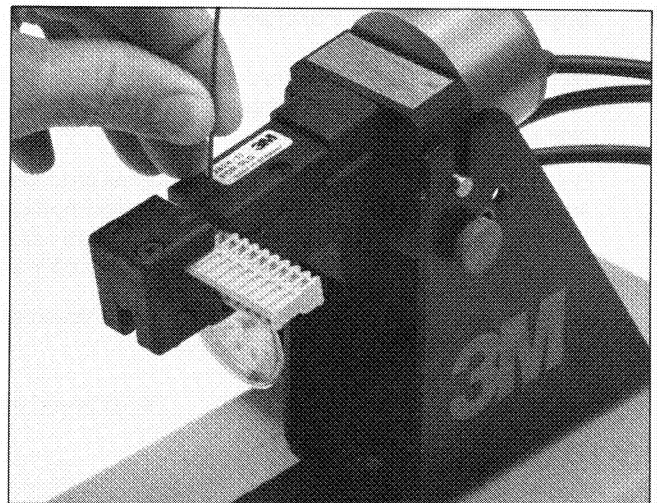


Figure 4

5. Press actuator pedal to complete termination (Figure 5).

**Note:** After actuator pedal is released, the connector will automatically move to the next termination point.

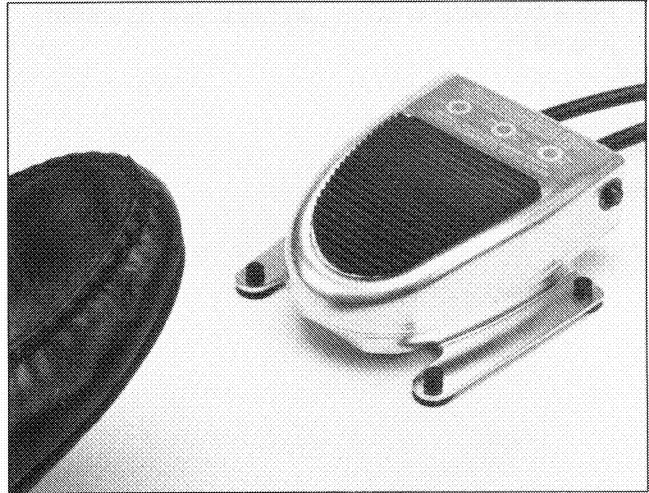


Figure 5

6. Continue with remaining terminations.
7. After completing last termination, slide connector body to the left and remove from assembly head (Figure 6).
8. Check each connection for proper termination

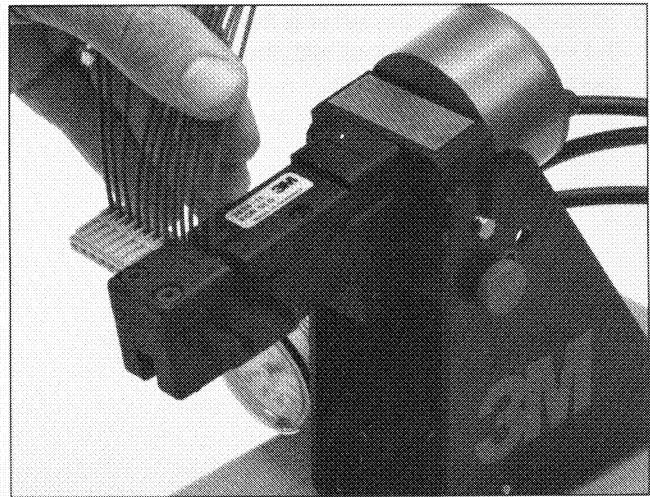


Figure 6

#### **Important Notice to Purchaser:**

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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