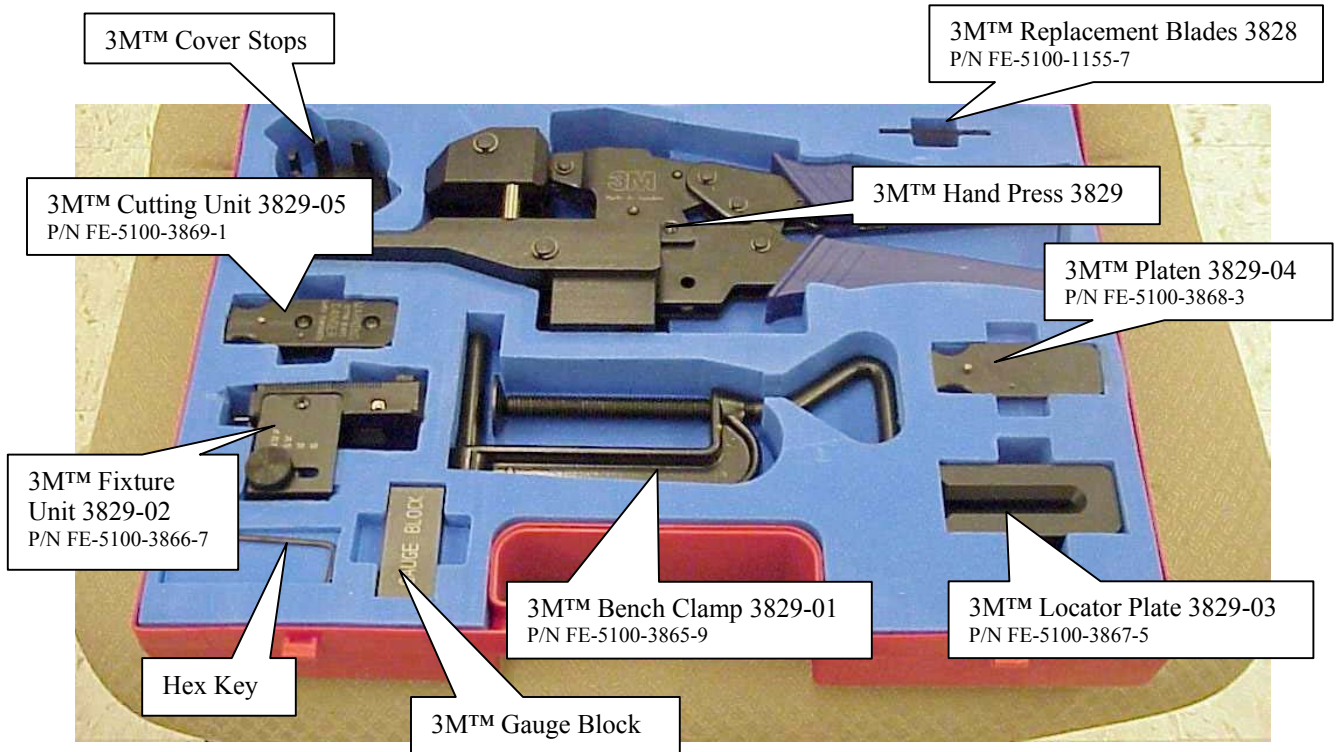




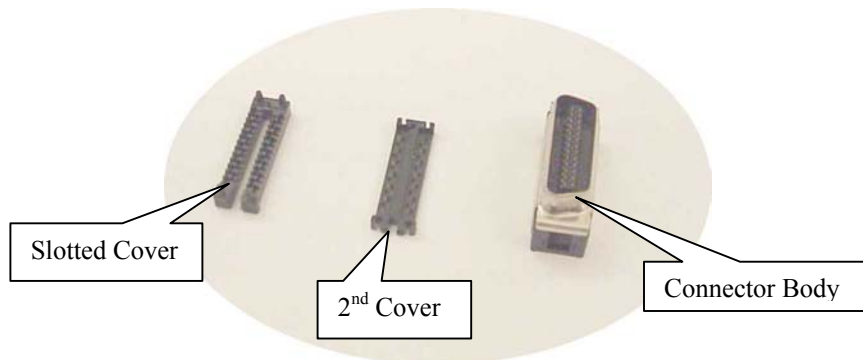
# MDR Hand Tool Kit 3829

Instructions for the assembly of 3M™ Plug Connector 101XX-6000XX Series onto 3M Round Jacketed Discrete Wire Cable 3600 or 3644 Series.

All items shown below are included in the basic unit of the 3M MDR Hand Tool Kit 3829, stock number FE-5100-0088-1.



## 3M MDR Plug Connector 101XX-6000XX

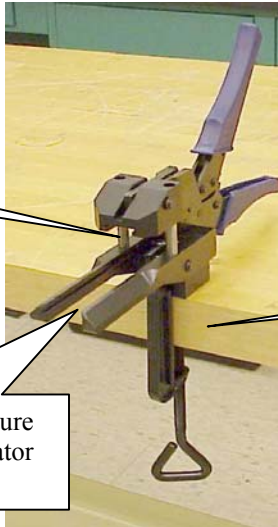


## 3M™ MDR Hand Tool 3829 set-up

Mounting area for 3M™ Cutting Unit 3829-05 and 3M™ Platen 3829-04.

Mounting area for 3M™ Fixture Unit 3829-02 and 3M™ Locator Plate 3829-03.

Mount the 3M™ Hand Press to a bench using the 3M™ Bench Clamp.



## Cover set-up and installation

**Place** correct cover stop here. Number on the cover stop indicates the correct connector size.

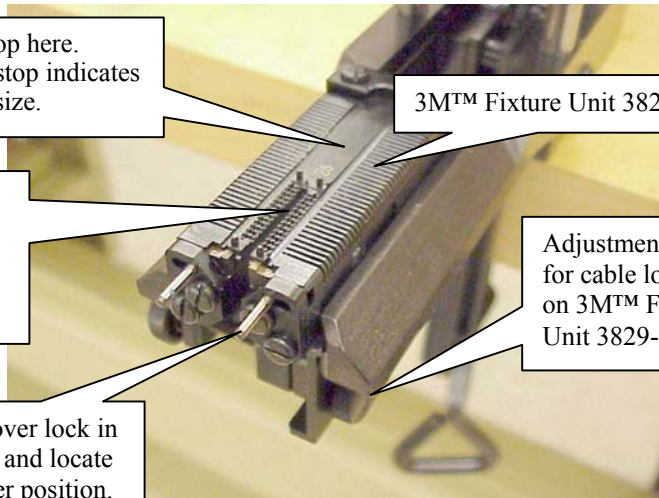
3M™ Fixture Unit 3829-02

To install the slotted cover:

- A. **Close** cover locks.
- B. **Check** that slotted cover is forward.
- C. **Place** and push cover against cover stop.
- D. **Push** cover down and behind the cover lock.

Adjustment knob for cable location on 3M™ Fixture Unit 3829-02.

**Slide** cover lock in to close and locate the cover position.



## Cable and Connector Termination

**Backshells** -- remember to put them on.

### Step One

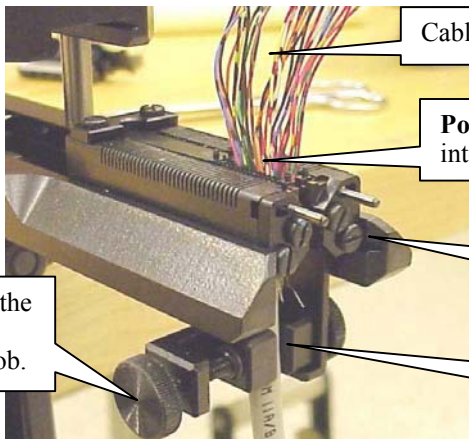
Cable preparation – expose approximately three inches of cable.

**Position** wires in cover slot by spreading individual wires into color groups as directed by your wiring diagram.

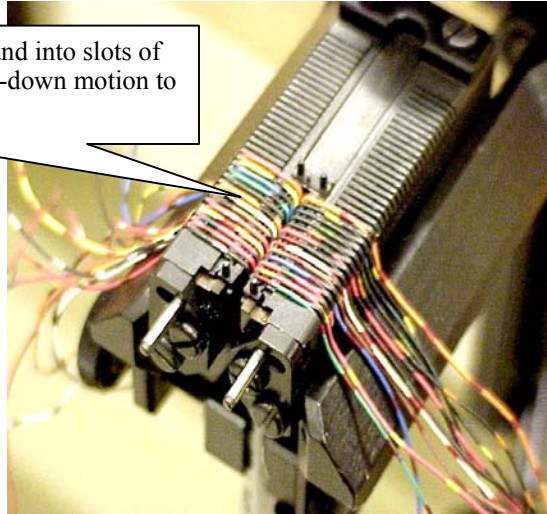
**Position** 3M™ Fixture Unit 3829-02 in 3M Hand Press 3829.

**Hold** the cable in the cable clamp by tightening this knob.

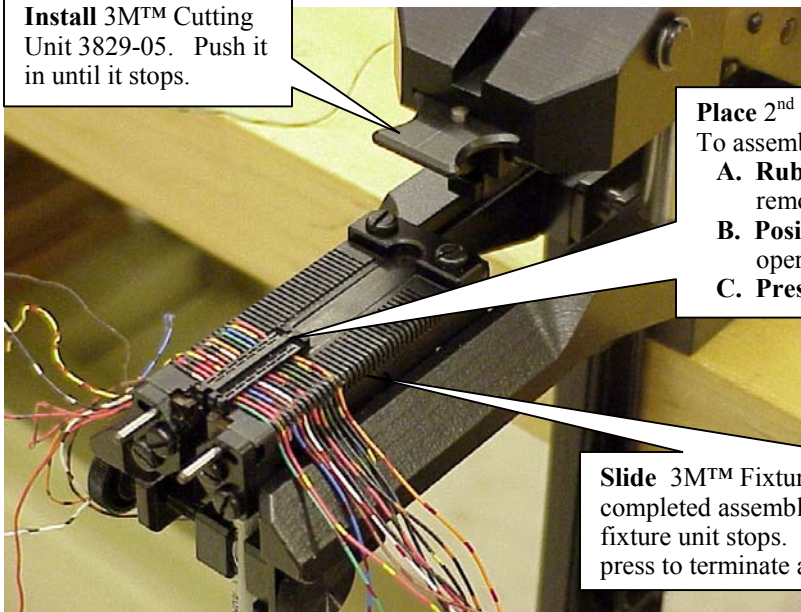
**Place** cable into the clamp to start the assembly process.



**Place** wires over and through cover slots and into slots of 3M™ Fixture Unit 3829-03 with a pulling-down motion to hold wire in place.



**Install** 3M™ Cutting Unit 3829-05. Push it in until it stops.

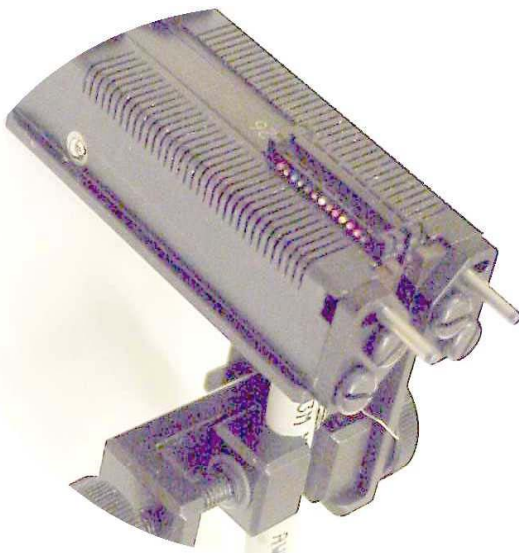


**Place** 2<sup>nd</sup> cover on top of 3M™ Slotted Cover Assembly. To assemble cover no. 2:

- A. Rub** paper liner to assure adhesive transfer, then remove paper liner.
- B. Position** notched end of cover no. 2 toward operator.
- C. Press** cover no. 2 onto assembly in fixture unit.

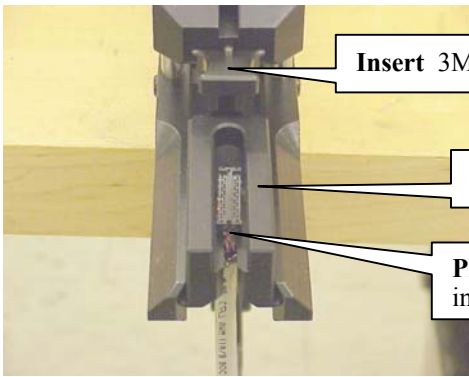
**Slide** 3M™ Fixture Unit 3829-02, with the completed assembly, into the hand press until the fixture unit stops. Close the handles of the hand press to terminate and trim the wires.

### Completed Assembly of the Two Covers and Cable



- A. Hold** down the assembly when removing the cut wires.
- B. Remove** assembly from 3M™ Fixture Unit.

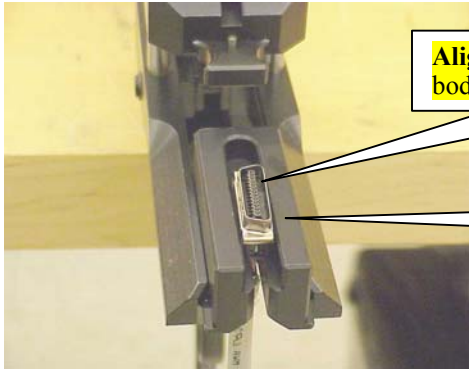
## Step Two



Insert 3M™ Platen 3829-04 until it stops.

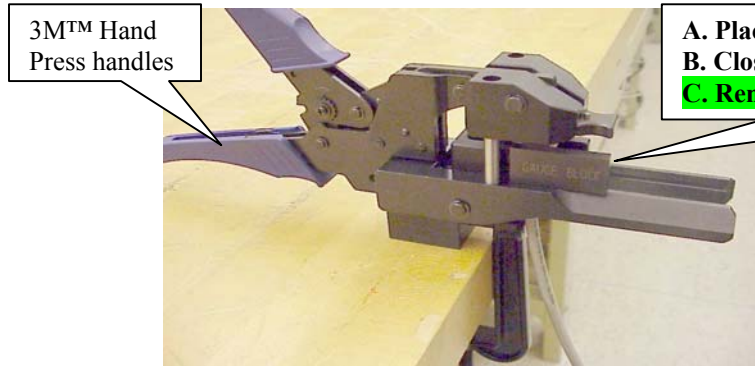
Insert 3M™ Locator Plate 3829-03.

Place completed two cover/cable assemblies into 3M™ Locator Plate 3829-03.



Align the orientation of the connector body and cover assembly.

Slide 3M™ Locator Plate 3829-03 into back stop of 3M Hand Press 3829.



3M™ Hand Press handles

A. Place 3M™ Gauge Block here.  
B. Close handles to complete connector termination.  
C. Remove harness. Termination is complete.

*All completed assemblies should be visually inspected.*

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