Pro Mod 8001/8004 Instructions

1. Overhead units mount using one hose clamp to clamp switch section to roll bar.
2. Using the 4 screws provided, mount the relay board. These screws will drill their own hole in the sheet metal.
3. A clamp is supplied on the switch panel to retain the cable. Swing the support bar aside, insert cable and tighten using Allen wrench or pliers. Plug red tagged cable from switch control into relay board connector. The blue labeled connector is to plug in an optional under hood switch unit (Model 4000F8). Use a small bead of silicone at the junction of the connector plug on the relay board to prevent any loosening of the cable due to vibration. Follow color coding, color markings should be directly over each other. Do NOT use cable ties to secure ribbon cable to roll bar. Black electrical tape will hold the ribbon flat to the bar without chafing it.
4. Switch #1 is intended for starter, switch #2 is ignition/master.
5. Label switches: Placing the label on an X-Acto knife or small flathead screwdriver will help position the label square in the recess over the light bar. If the label is not square light will leak out around the edges of the label. Relay board numbers match switch unit numbers. The label set includes blank labels which can be used to block off the light on any unused switches.
6. Connect the output leads on the relay board to the corresponding functions. Use white labels on the relays to match switch functions. The output terminals on the relay board are lugless terminals. Strip approximately ½" of insulation off the wire, loosen the screw, insert bare wire under the clamp and tighten screw.
7. Connect the heavy #6 cable to battery +.
8. Plug a grounded wire onto the ¼ inch push-on terminal marked GND. Switch unit does not require any ground connection.
9. The relay board has a jumper for 12V or 16V operation. It comes installed in the 12V position, for 16V move the jumper to the 16V position.
10. If it is desired to output ground from a relay this can be accomplished by doing the following: remove the fuse for the relay you wish to output ground from. This will leave you with two female ¼" terminals where the fuse was. Now insert a grounded wire into the fuse clip furthest from the center of the board. Now when this relay is turned on it will output ground instead of battery +.

Set up and use

There are 2 programming dipswitch banks in between the kill button and the on/off switches. On the top bank, any switch you desire to be momentary, move the corresponding dipswitch to the left. Dipswitch numbers correspond to switch numbers.

The switches that shut off with the red Kill button and #2 Ignition/Master switch are selected with the bottom bank of programming switches. Any switch you wish to turn off with the Kill button and #2 switch must be moved to the left position. All dipswitch numbers match the numbers on the switches.

Move the programming switches left or right with a small tip such as a miniature screwdriver. When finished stick black plastic cover patch over cut-out to prevent debris from entering the switch panel.

Troubleshooting

1. It is possible to plug the ribbon cable into the relay board off center. If it is not plugged in correctly the switch panel will light dimly or not at all and will not function correctly.
2. The ribbon cable must plug into the switch panel with the cable entering from the rear of the switch panel.
3. Do not unplug the ribbon from the switch panel until it is disconnected from the relay board, or the power to the relay board is turned off. If the power is on and the cable is disconnected from the switch panel while still connected to the relay board, it could short to ground and damage the relay board.
4. If the relay board does not have a good ground the switch panel will function intermittently or not at all. It is best to run a dedicated ground wire to the two ¼" male push on terminals located on the relay board.
5. Do not use a battery charger as a power supply to "bench test" the unit. Battery chargers are not meant to be power supplies. They output a pulsing DC which will make the relays buzz and could damage the switch panel.
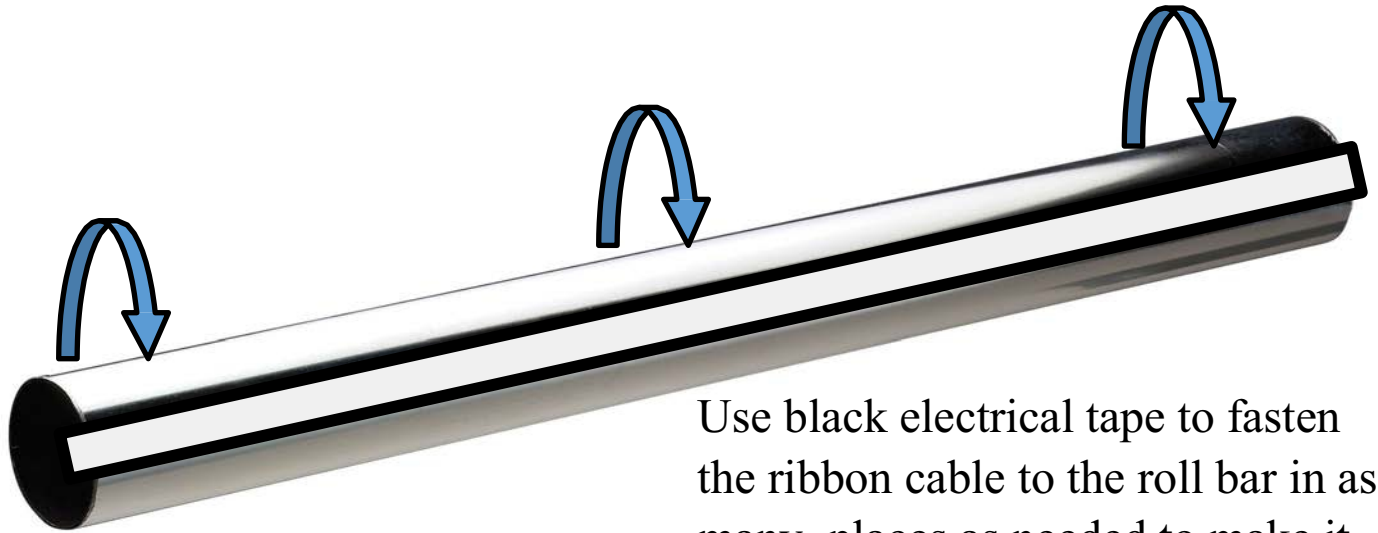
Nightglow Function

ARC's new black faceplate night glow units are designed to provide switch outline visibility in in low light conditions; similar to how a battery charges then gives voltage back out. You will notice that after being in the shipping box for x amount of time it will be discharged the same as if it were in totally dark trailer. It will require some 20-30 minutes in ambient light to recharge. The lighted LEDs in the switch panel also provide charge.
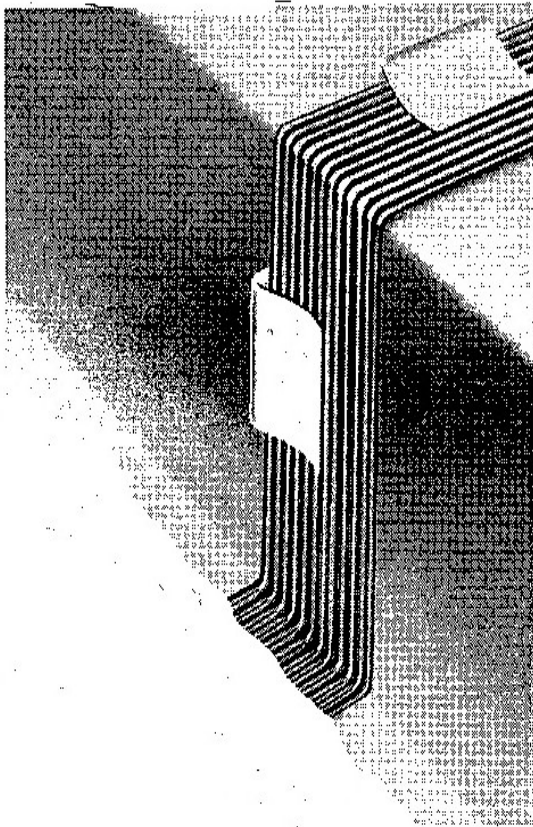
An obvious bluish green glow will be seen in extremely low light conditions. Until that point what will be noticeable is that the legend remains visible. The night glow becomes increasingly visible as the ambient light level goes down.

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Use black electrical tape to fasten the ribbon cable to the roll bar in as many places as needed to make it secure. ***Please note t ie wraps can cut through the ribbon cable, causing shorts***

Use ribbon cable retention clips to mount ribbon along flat surfaces. Clean surfaces before removing adhesive strip protector for proper adhesion,