

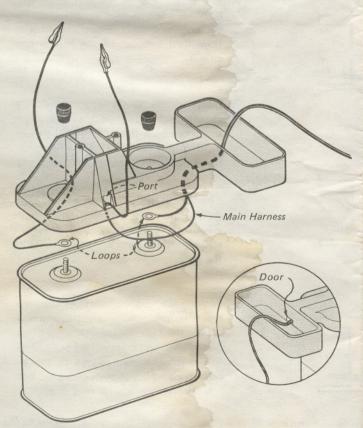
ASSEMBLING THE LAUNCH PAD

1 Pass the MAIN HARNESS micro-clip and loop thru the small square "door" in the housing handle. Pass the microclipped end out thru either port. Pass the LEAD HARNESS thru the other port.

Place each wire's loop over the battery terminals, making sure they are firmly around the terminals. Lower the HOUSING carefully in place, and avoid jamming any wires. 2 Screw on the knobs that came with your battery. Assemble the LAUNCH ROD by pushing the thinner rod into the hole of the thicker rod. Pass the thicker end of the launch rod down thru the DEFLEC-TOR and into the HOUSING.

Battery

Knob



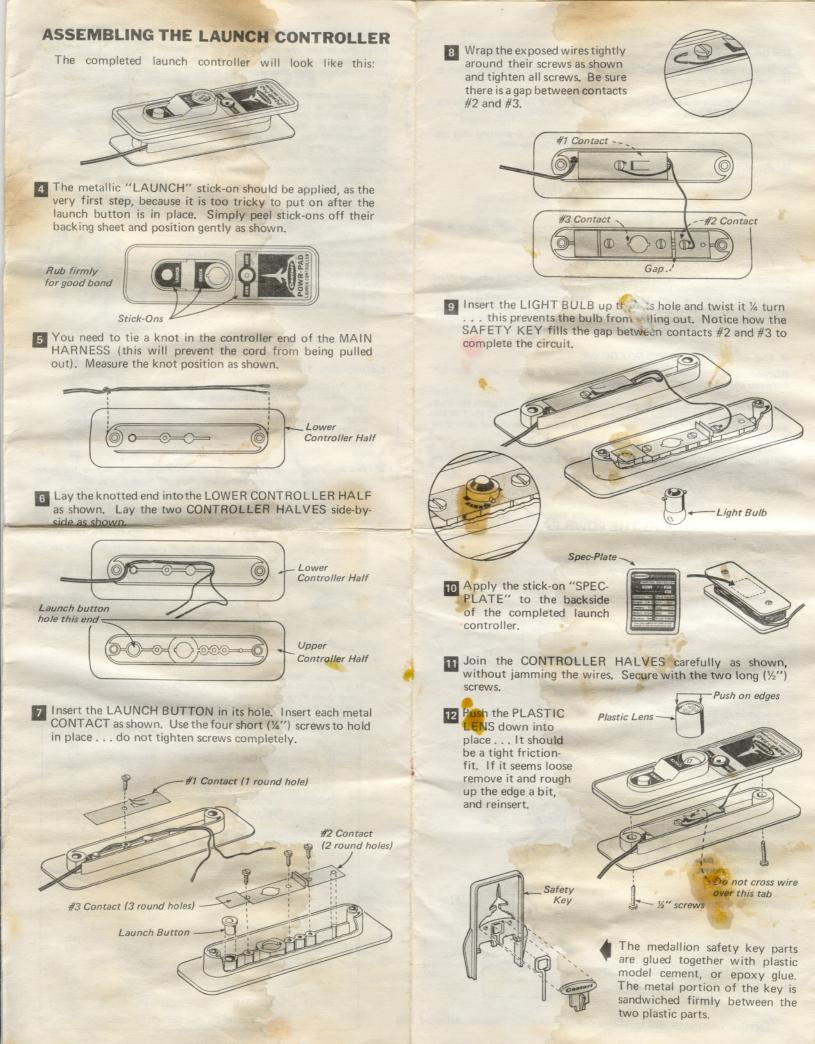
3 Apply the housing stick-ons as shown.

omeurs

Squeeze the prongs of the Rocket Positioning Spring together and slide down over the launch rod.

Should be a snug fit . . . crimp slightly if neccessary.

Spring



TESTING

Use the following procedure to test the POWR-PAD for operation.

A. Attach the two micro-clips together (this simulates attaching them to the metal ends of an igniter).

- B. Insert the safety key. At this point, the check light should light up, indicating that you have "continuity" (a complete circuit).
- C. Press the launch button. The light should go out, indicating that the full current is now flowing thru the system out to the clips.
- D. Remove safety key. The check light should not be on.

TROUBLE SHOOTING

IF THE CHECK LIGHT DOES NOT LIGHT UP:

Check micro clip connection. Wiggle the safety key to make sure it is in contact with both brass contacts inside the safety key hole.

IF THE LIGHT STILL DOES NOT GO ON:

Perhaps one or both wires inside the launch pad housing is not making good contact with the battery terminal. Remove the deflector. Loosen the knobs which hold the housing on the battery. Reach down inside the housing to wiggle and tug the wires gently Watch the check light to see if it comes on. Also check to be sure both wire loops are still around the battery terminals ... one may have fallen off when you attached the housing to the battery.

IF THE LIGHT STILL DOES NOT GO ON:

Disconnect micro clips. Connect a short piece of igniter wire with %" between the micro-clips.

Press the launch button. If the nichrome wire glows, this indicates the bulb is burned out, or its filament is broken. (See replacement parts list.) If the nichrome wire does not glow, the battery is weak or dead and should be replaced.

IF CHECK LIGHT STAYS ON AFTER SAFETY KEY IS REMOVED:

Contacts are touching each other. Inspect your assembly ... There should be a gap, or air space between those contacts.

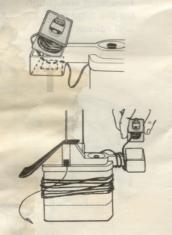
USING THE POWR-PAD

LAUNCH CONTROLLER STORAGE:

For the utmost in portability, the wire may be wrapped around the launch controller, which is then stored in the carrying handle. Follow these tips for successful use:

- A. Wind the wire neatly around the launch controller. It will fit easily if not done in a sloppy manner.
- B. Push the launch controller down into carrying handle. Notice how wire is passed down the side of the launch controller farthest from the battery. This avoids jamming the wire in its little "door" in the carrying handle.
- C. To remove the launch controller, simply push it out from underneath as shown. It should not jam if you previously passed the wire down the side shown.
- D. If you are in a hurry and do not want to bother storing the wire this way, simply wrap the wire around the battery.





LAUNCH ROD STORAGE:

When not in use, the upper half of the launch rod may be stored in its special hole in the housing. NOTE: The launch rods should fit together snugly enough that they can't be pulled apart by the rocket taking off.

To prevent accidental eye injury always place the launcher so the end of the rod is above eye level or cap the end of the rod with hand when approaching it. Never place head or body over the launching rod. When launcher is not in use always store it so that the launch rod does not present a danger to anyone bending over it. As shown here, an expended engine case is a perfect safety cap.

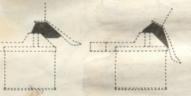


SAFETY KEY:

The "Medallion" Safety Key is specially made so that it can not be inserted while the launch controller is still in the carrying handle. It's a good idea to tie a string thru the key, and wear it around your neck, to keep it with you at all times while launching.

LAUNCHING TIPS

- A. The Positioning Spring is ideal for use with the rockets that do not have swept-back fins. Use the spring to raise the rocket an inch or so above the deflector to avoid short circuiting the micro clips and metal deflector.
- B. The Powr-Pad is very stable and resists tipping over, due to the heavy battery. However, please avoid launching off loose gravel, spongy grass, or other similar soft surfaces.
- C. Micro clips must be reasonably clean to insure continuity. Make sure the micro clips are not touching each other or the metal deflector, as this would cause a "short" in the system.
- D. Most rockets are launched straight up. If you want to aim your rocket slightly into the wind, you may want this accessory.



POWR-PAD TILTER

Compensates for weathercocking and parachute drift. Adjusts infinitely within 30° of vertical. Attaches easily to any Powr-Pad. Catalog No. T-99. \$1.25 each.

If you should loose or break any parts of your powr-pad, replacement parts may be ordered directly from Centuri (see parts list). If any part you receive is defective, return it to the factory and ask for a free replacement.

-

Send 85¢ extra for postage and handling.