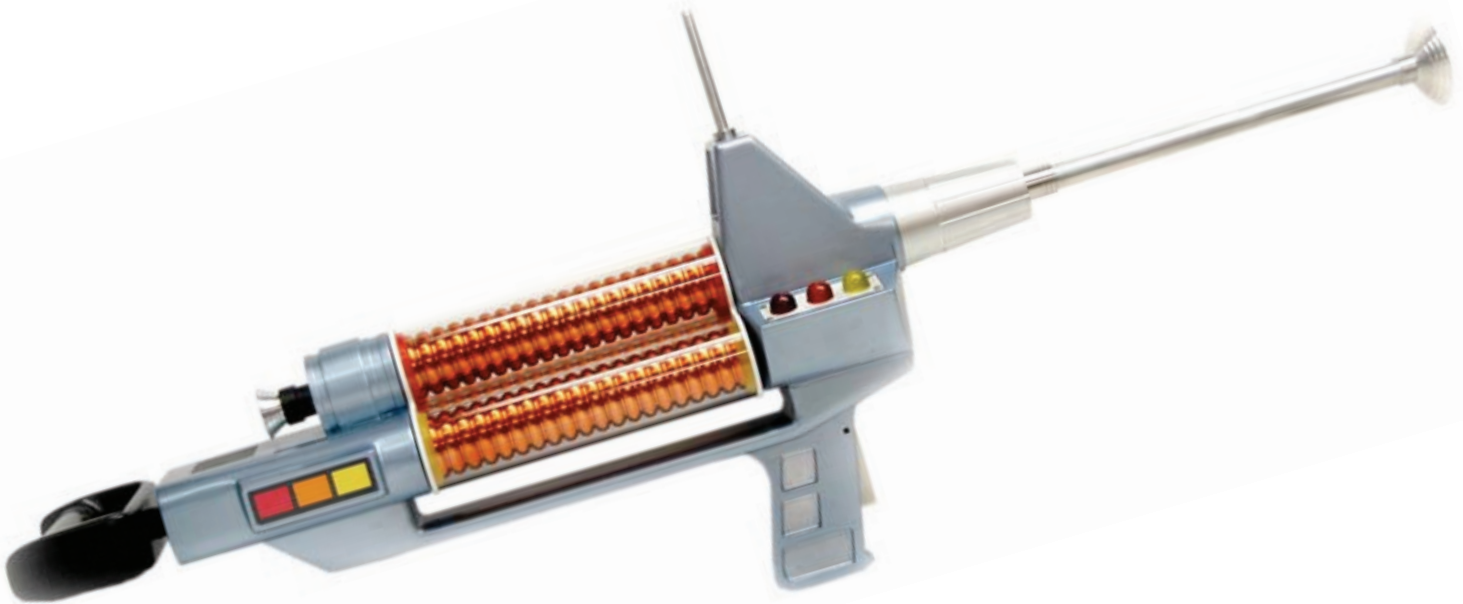




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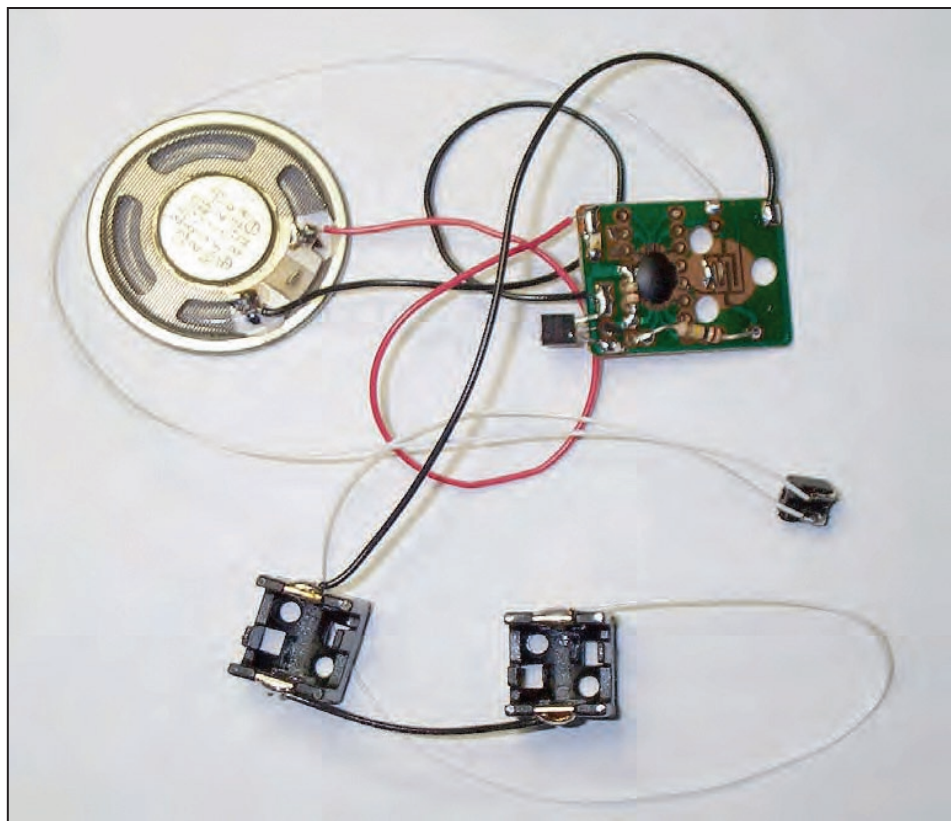
***Star Trek*™ TOS Phaser Rifle Electronic Upgrade Manual**



- Please familiarize yourself with the PRP1775 TOS Phaser Rifle assembly manual before attempting this upgrade.
- Do NOT solder or modify the electronic circuit board in any way! You may de-solder battery holders and switch to make installation easier.
- Please read this manual completely and familiarize yourself with these electronics before attempting to install this upgrade kit.
- This manual is intended as a guide to help with the placement of the electronics. Use the PRP1775 TOS Phaser Rifle assembly manual for the actual phaser assembly.
- Requires 2 CR1/3N batteries (6 volts DC total maximum).

TOOLS REQUIRED:

- Dremel
- Drill and bits
- Hot glue gun
- Black electrical tape may also be needed



EXAMINE ALL PARTS AND READ THIS MANUAL COMPLETELY BEFORE BEGINNING ANY WORK:

Begin by taking the electronics out of the package and lay them out similar to the picture above.

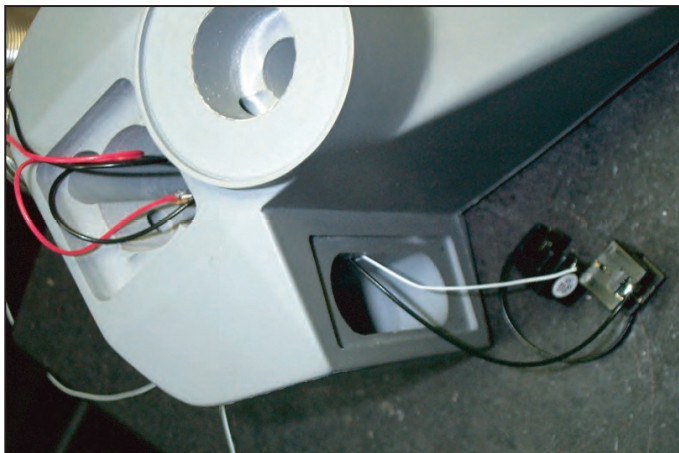
To start with, it is best and easiest to prepare for installing the electronics by drilling, cutting, or filling any required holes BEFORE doing anything else. That way you will be familiar with a plan, and also each installation step can be done without having to stop and drill or cut at those points during the build up.

Also, it is always best to “test fit” whenever possible, to ensure proper alignment and that the action of the assembled parts is smooth and without obstruction.

The following steps and pages will go into more detail for electronics installation.

Use the prop building instructions as the “main” source for prop assembly, in conjunction with steps from these manual pages.



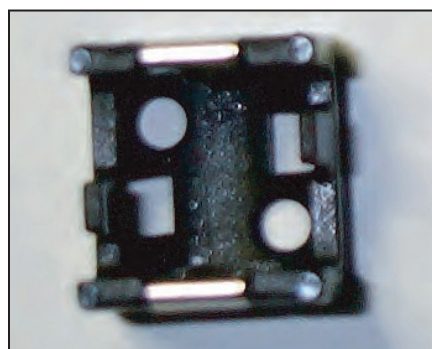


Step 1: Feed the white and black wires (formerly attached to the battery holders) through holes (as shown in the photos above).

You can now re-connect the battery holders.

Solder the white wire back to the '+' connection and the black wire to the '-' connection.

Note: A small + and - are molded into the battery holders if you get confused (see photo to the right).



You will now need to feed the loose white wire (formerly attached to the battery holder and switch) through the holes so it can connect between the battery holders and trigger switch.



Step 2: Feed white wires through the handle grip and reconnect them back to the switch.



Step 3: Place the switch as above. Slide it straight back until it is touching the “back wall.” It may be a tight fit but it will fit.

You can use a toothpick and dab a small amount of hot glue to keep it from moving around. DON'T glue the front--only the rear of the switch.



Step 4: Using the PRP1775 manual for reference, install the metal trigger. When the trigger is pulled, the small switch will be engaged.



Step 4: With the main electronics placed into cavity you can use a small amount of hot glue to secure them into place. You can now mount the speaker (as shown above), again using a small amount of hot glue.

After the model is finished, the plastic grill will be placed over the speaker to cover. You can use a small piece of black material to cover the speaker so it doesn't show through the plastic grill.



Step 5: The photo above shows a close-up of the battery compartment. After batteries are properly installed into the holders, you can screw on the cover panel to hide them. To change batteries, simply unscrew the panel, swap out the old batteries for new and re-secure the panel.

Congratulations! You have finished this upgrade!!