

STAR TREK (TNG) PAHSER 1 LASER MOD

by [randyfivesix](#) on February 3, 2012

Intro: STAR TREK (TNG) PAHSER 1 LASER MOD

I know it's nothing new but I wanted to share my phaser mod with you guys.....

I bought the phaser on ebay for 10.00 U.S. dollars. Then I bought a high mw green laser and placed it in the prop. Now it pops balloons.



Step 1: The Laser

About the laser:

It is commonly known as the New Wish laser from Deal Extreme. A similar laser can be found at Radio Shack.

Mine was neither of the two brands because I bought it in Asia but usually they just rebrand the same lasers that come from china.

-Well thats what most people say:)



Step 2: Removing the laser from the pen type housing

I used a dremel with a cutting wheel to separate the laser from the housing. Be careful not to cut the housing too deep or you will cut the laser itself. Try not to keep cutting the housing for long periods of time because it tends to get really hot so take your time and let it cool down.



Step 3: First cuts

First take apart the toy with a screw driver and remove every single piece. It might help to take a picture so you can remember how it goes back together when your done placing the laser.

Your going to need to dremel the bottom half of the body in the middle where the speaker rests. You don't have to use the round sanding tool but I found that it's easier to cut the small space than using a cutting wheel. The cut just has to be large enough to fit the laser electronics.

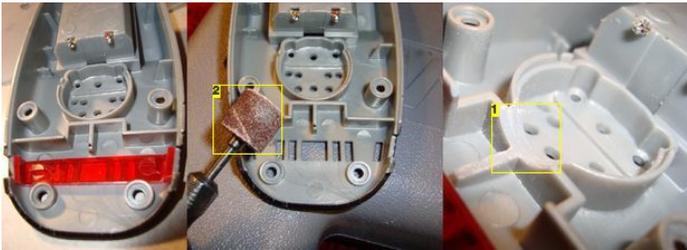


Image Notes

1. This should be cut to fit the electronics. It may be a square cut if you want but that might take more time to get the cutting wheel in the space correctly.
2. Round sanding bit. Use the large one to start the cut and finish with the small sanding bit

Step 4: Light bulb holder

The laser is going to replace the light bulb so your going to need to remove the tabs.

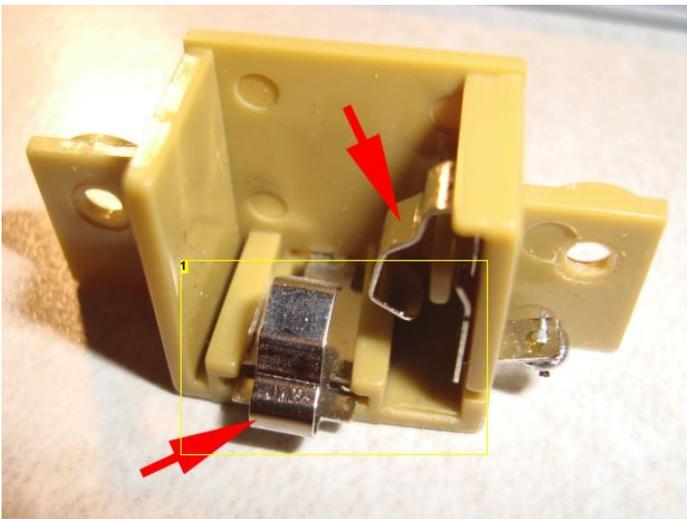


Image Notes

1. Cut the bottom out after the tabs are removed. It needs to be round to match the shape of the laser.

Step 5: How the laser attaches to the bulb holder

You're going to have to enlarge the hole where the bulb used to pass through slightly. Only the back end of the laser will pass through the hole. Also remember to cut the spring as close as possible to the board because it will get in the way of the phasers 2 sound selector buttons.

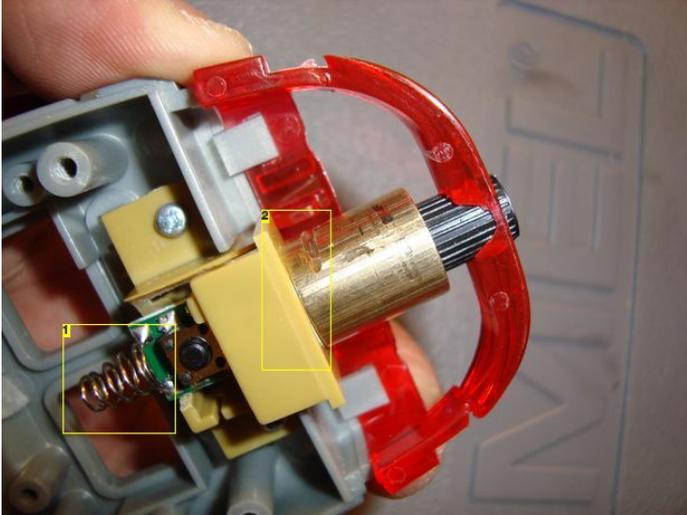


Image Notes

1. Cut the spring close to the board
2. Make sure that the laser fits tight

Step 6: Cutting the rest of the parts

It's pretty simple.....



Image Notes

1. Drill a small hole in the center with a 1/8th inch drill bit followed by a 3/16th inch bit and then 1/4th inch bit.
2. Cut should be offset to the side

Step 7: Finishing touches

When soldering the positive wire to the body of the laser it will get very HOT!! -So make sure you do it quickly.

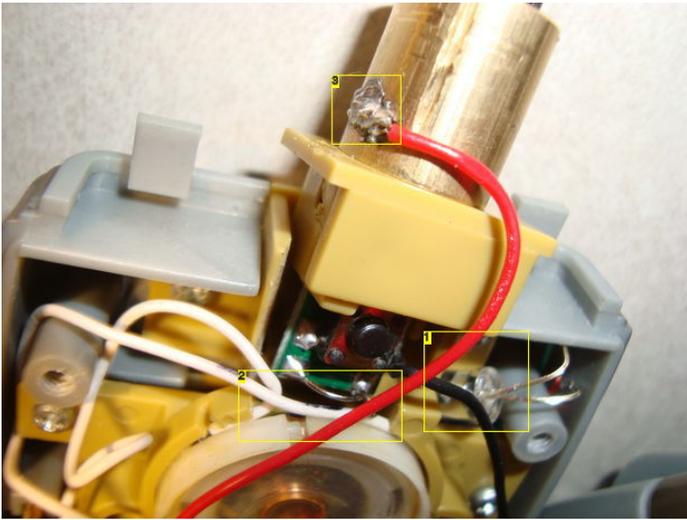
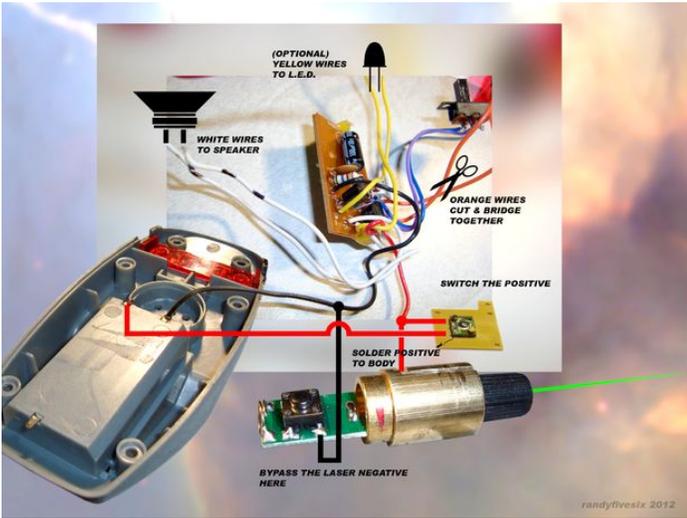


Image Notes

1. optional L.E.D. connected to the yellow wires
2. Make sure to cutout the top half of the plastic where the speaker rests so there is room for the laser and some wires.
3. Etch the side a little so the solder will stick.

Step 8: Wiring Diagram

Hope this helps.....



Step 9: Test Fire

:)

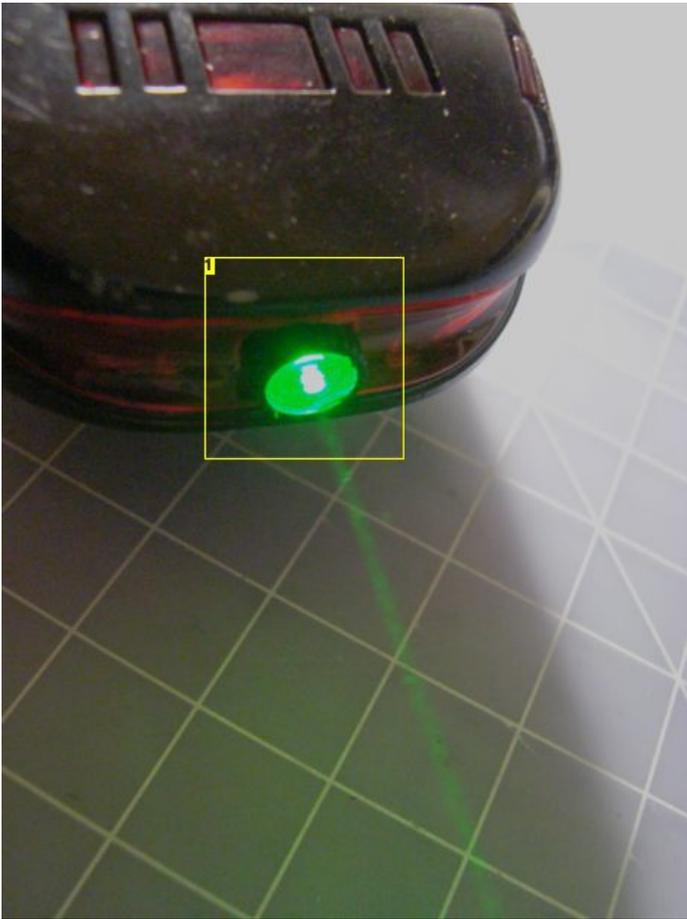


Image Notes

1. The laser has an adjustable focus. Make sure the dot is tiny if you want to pop balloons.....-Making the beam wide looks cool but can't pop balloons.....

Step 10: Painted

Not finished with the re-paint but it looks good enough for now....I know that it dosen't match the episode exactly but I like my weapons silver aluminum:)



