



# Laser Tag M249 Minimi Casing Construction Guide

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## Copyright Notice

### FragTag Minimi Construction Guide

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Feb 2007 Melbourne, Australia.

#### **IMPORTANT NOTES**

**This document outlines the construction of a Laser Tag device that has a realistic appearance. Consult your local Police and firearms replica regulations before construction. May not be legal in all Countries.**

**This device should only be used on Private Property. If you live in the USA, you must paint the end of the barrel in bright orange.**

**FragTag is not liable for any incidents, accidents or any other event pertaining to the usage or construction of this device. The Builder assumes all responsibility.**

**Use this device in a responsible manner, and do not cause harassment or other troubles for innocent people.**

## Table Of Contents

Copyright Notice.....	2
Table Of Contents.....	3
Introduction .....	4
Tools .....	5
Material List.....	6
Making the Stock .....	7
Lower Body Assembly.....	13
Grip.....	13
Channel .....	17
Trigger Assembly .....	21
Slot.....	21
Lever.....	23
Pivot.....	26
Switch Bracket.....	28
Guard.....	31
Joiners.....	32
Upper Body Assembly.....	34
Scope Rail .....	37

## **Introduction**

This document outlines the construction of the M249 (Minimi) Squad Automatic Weapon (SAW) Laser Tag casing. Before you begin, ensure you have all of the relevant tools and material available to you.

The construction will take someone between 15 and 20 hours, depending on your skill level.

## Tools

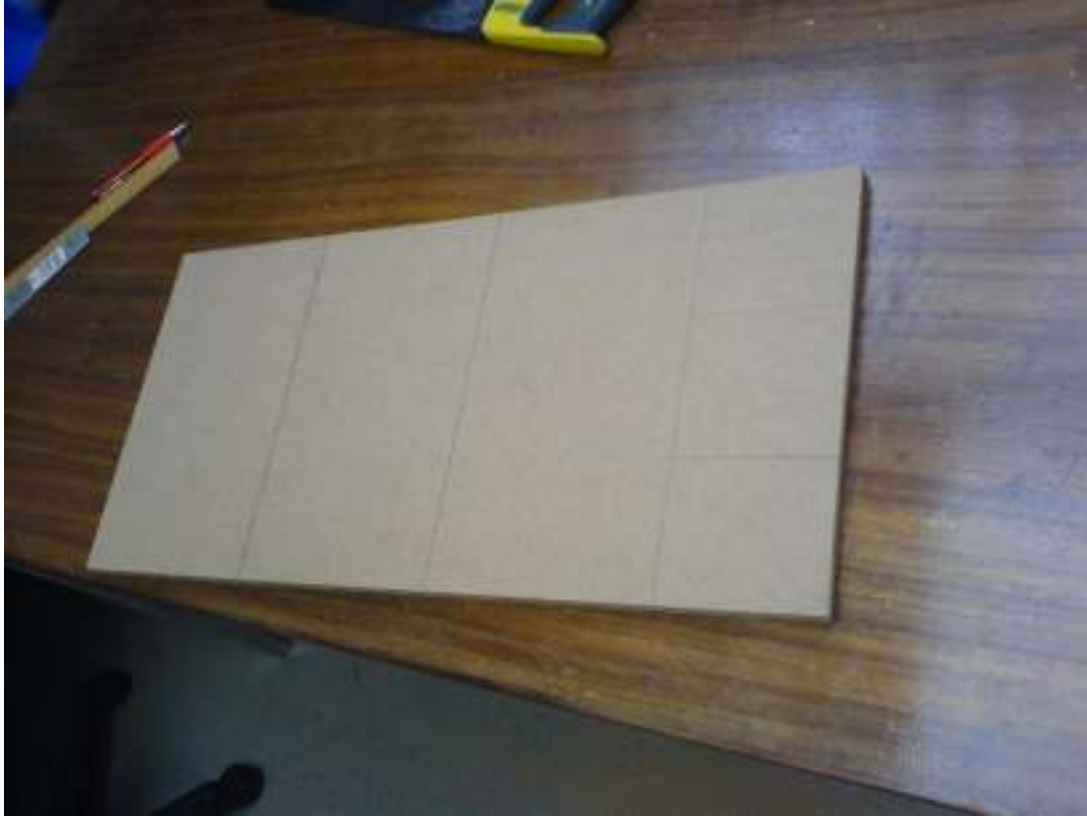
The following tools are needed and/or desired for this construction.

Tool	Importance
Hand held Electric Drill	Essential.
Pedestal Drill	Optional, but will aid greatly with the drilling of accurate holes.
Hack saw or electric saw for cutting aluminium	Essential
Saw or electric saw for cutting wood	Essential
Drill Bits	Essential
Metal Files	Essential
Wood Rasp	Very Handy
Centre punch/Automatic Centre Punch	Very Handy
Screwdrivers	Essential
Jigsaw	Optional, but will save a lot of manual work
Electric Sander	Optional, but will save a lot of manual work

## Material List

Description	Quantity
50 x 50 x 3 mm Aluminium channel	500 mm length
50 x 25 x 3 mm Aluminium channel	
Xx x 2 mm Aluminium flat	
Xx x 3 mm Aluminium flat	
50 x 3 mm Aluminium flat	
40 mm plastic tube (water pipe)	
25 mm electrical conduit pipe	
25 mm electrical conduit pipe mounting clip	
25 mm electrical conduit pipe joiner	
16 mm MDF wood	
10 x 20 mm Aluminium bar	
25 x 25 x 3mm Aluminium angle	
Threaded rod	50 mm length
Nuts	4
Surplus Minimi plastic ammo box	1 (Brisbane Disposals or Army Surplus shop)
Folding Bipod, 9 – 13 inch leg length or similar	1 (Ebay)
100 mm Speaker	Altronics xxx or similar

## Making the Stock

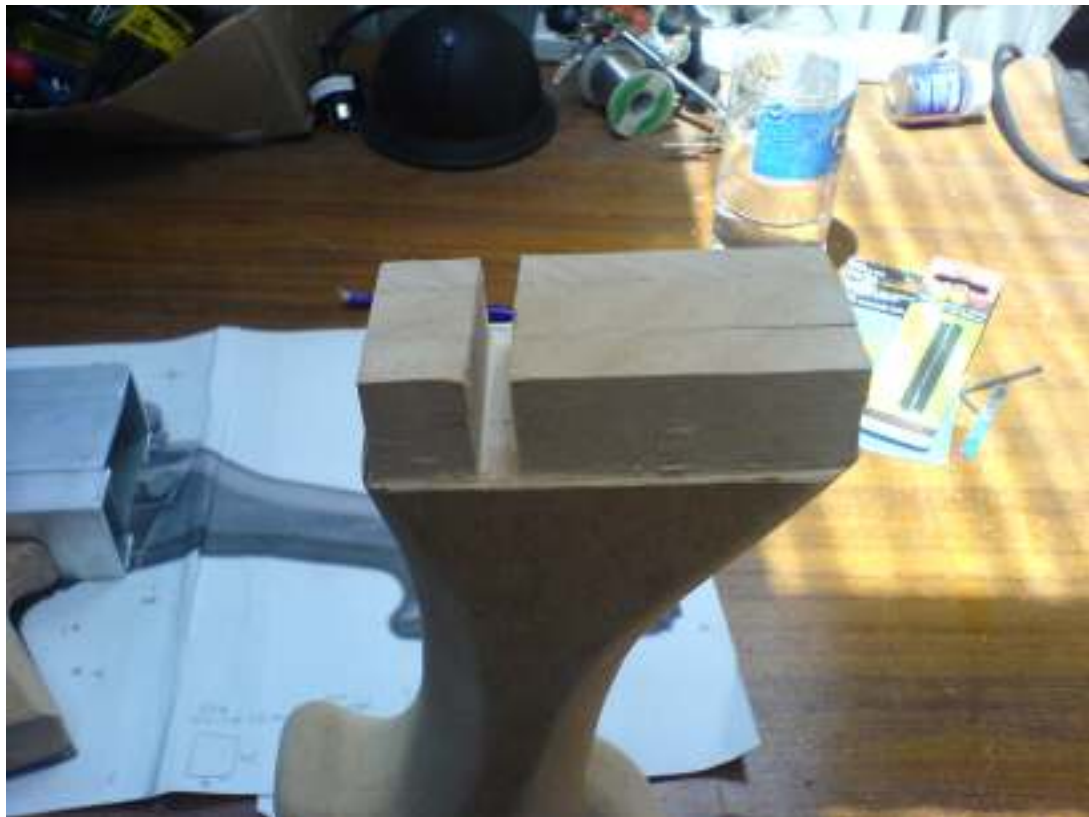


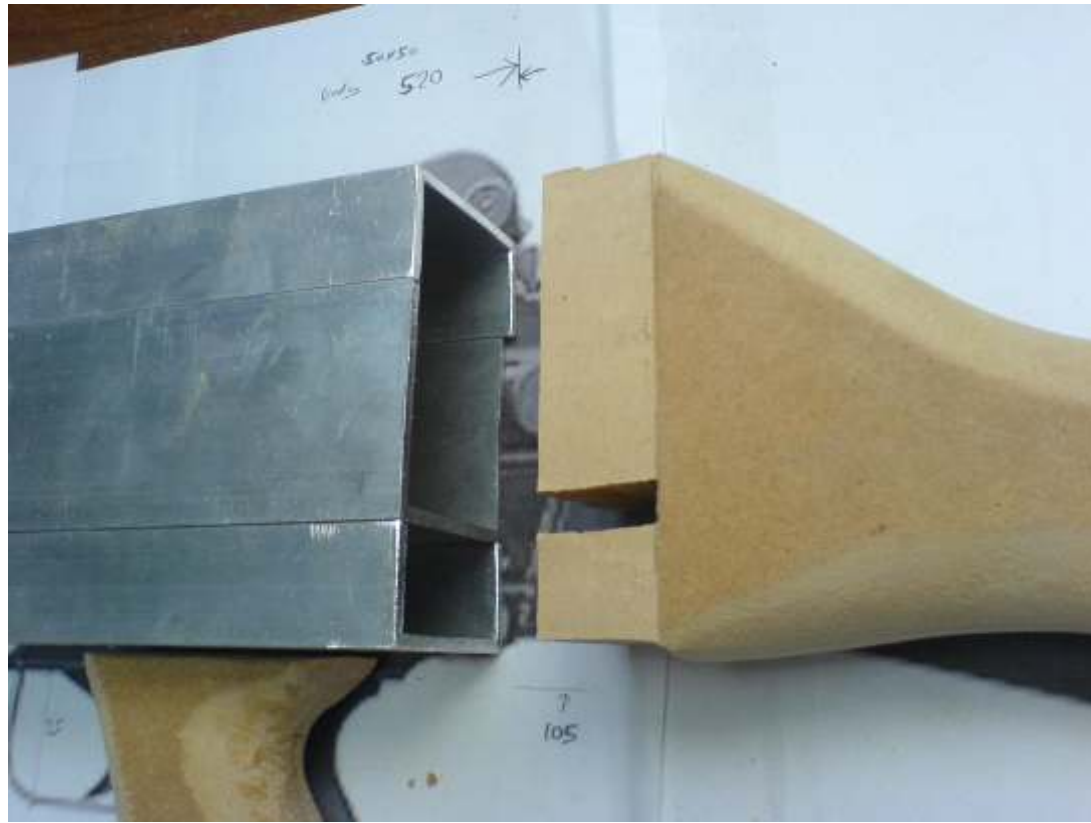








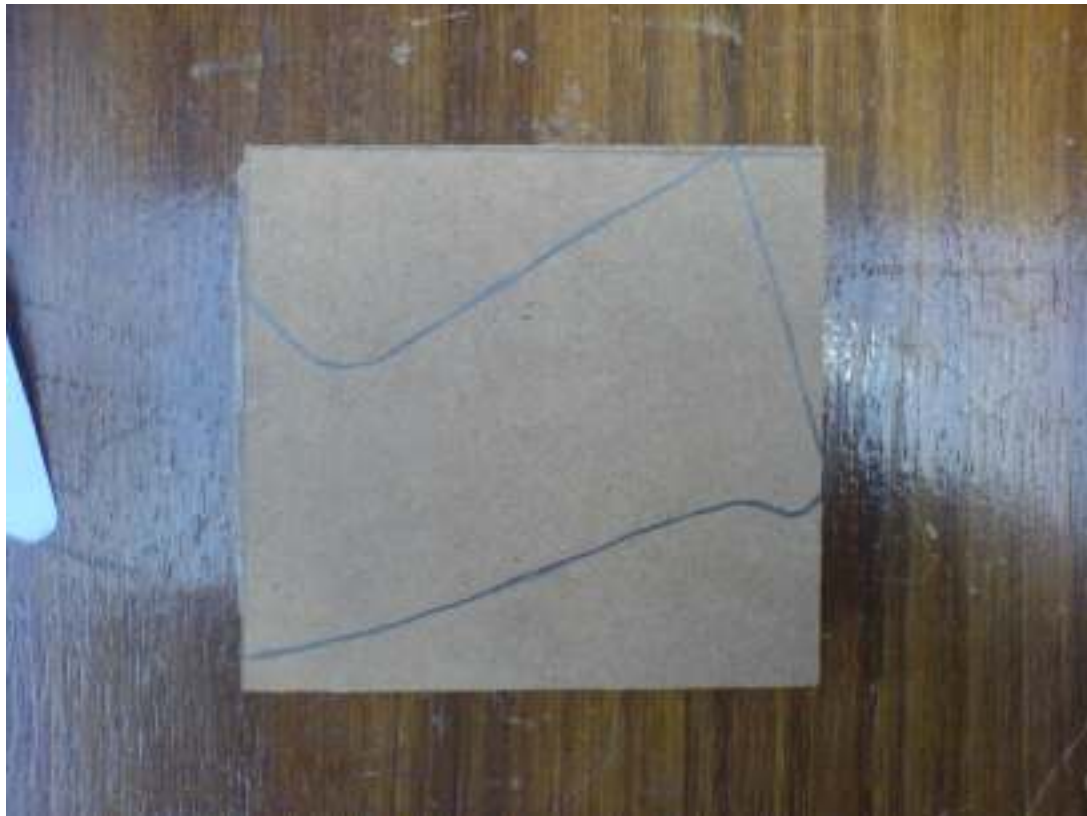
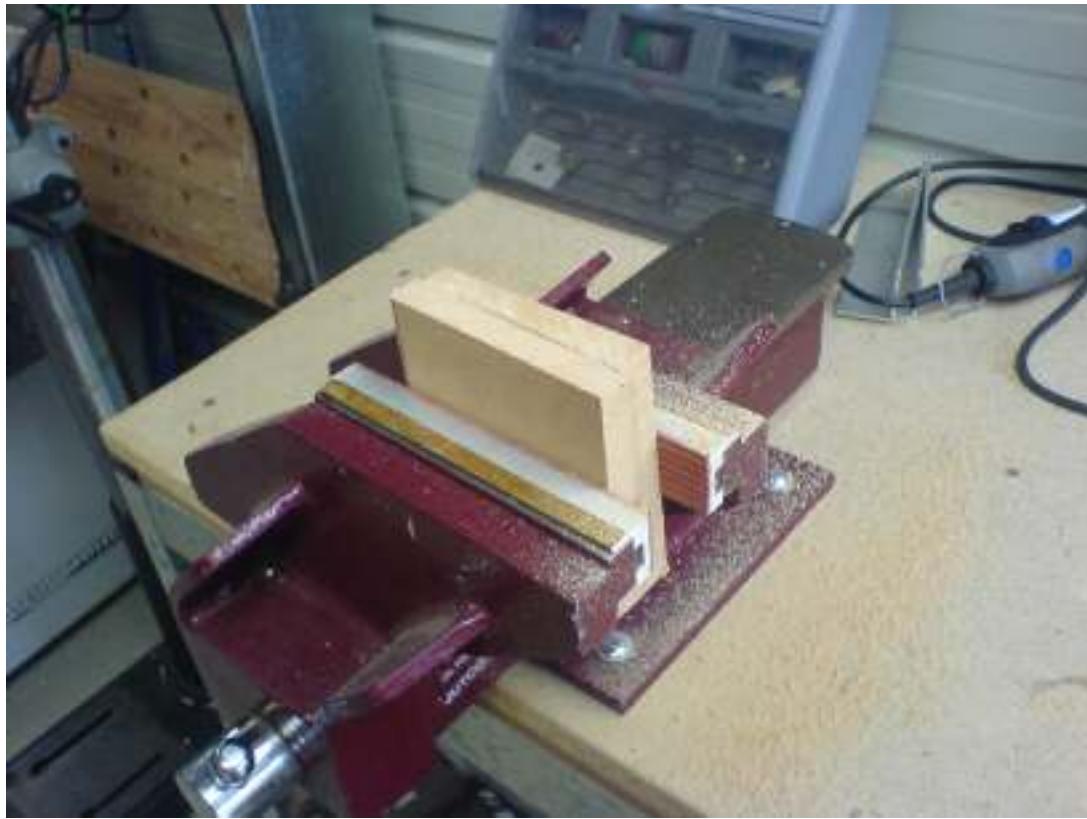




## Lower Body Assembly

### Grip



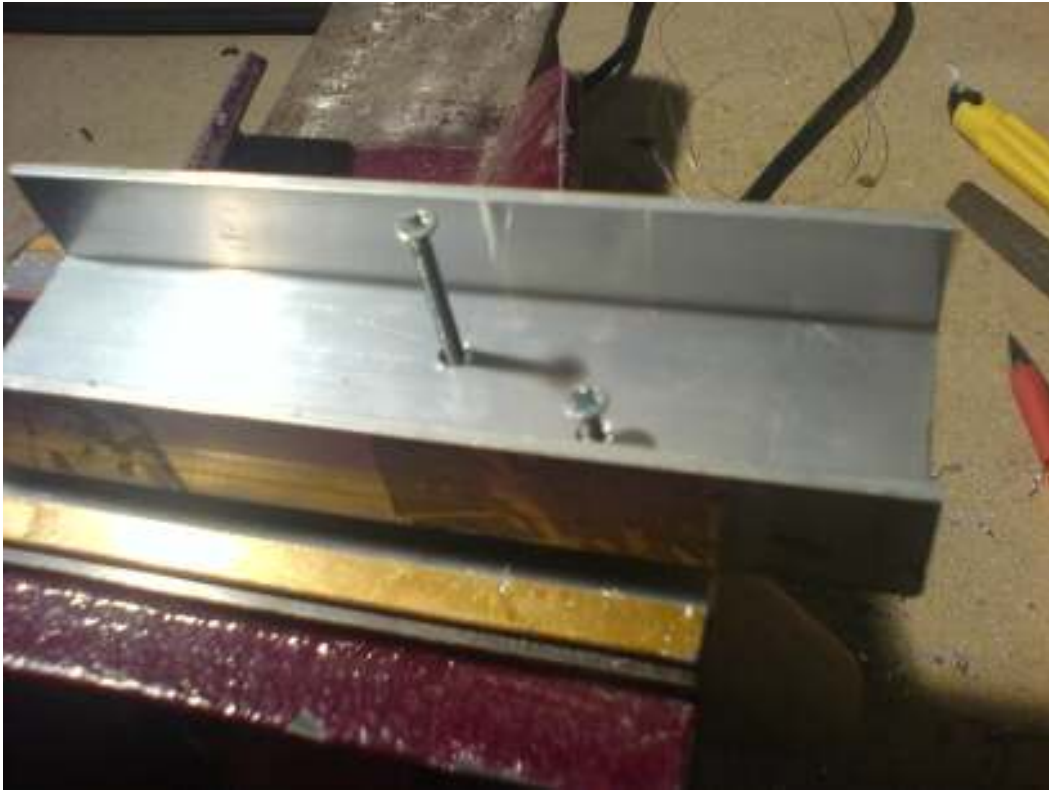


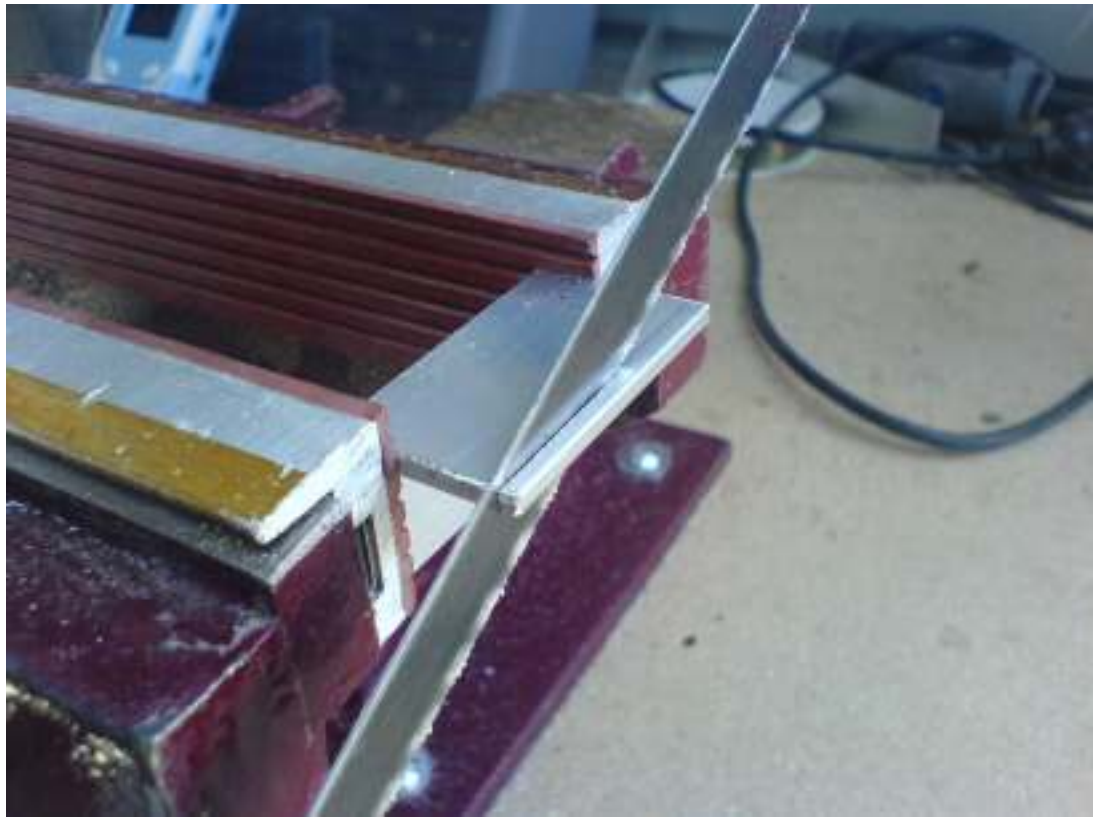
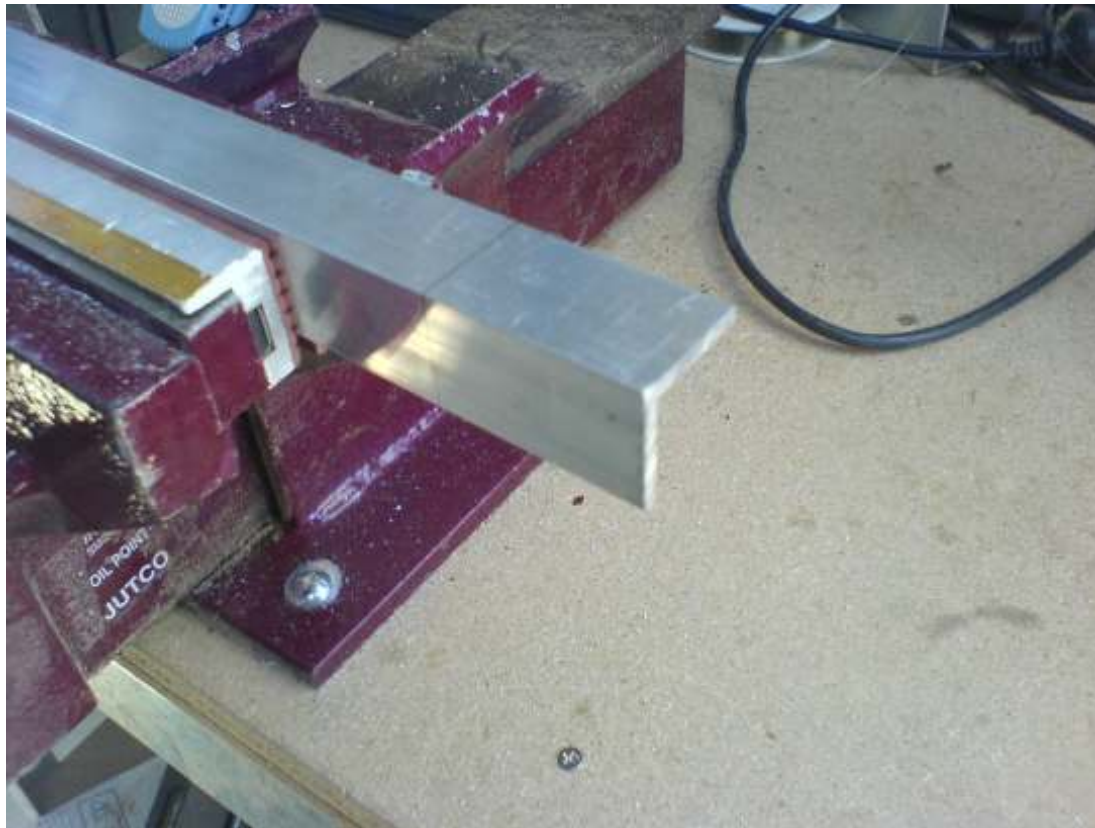


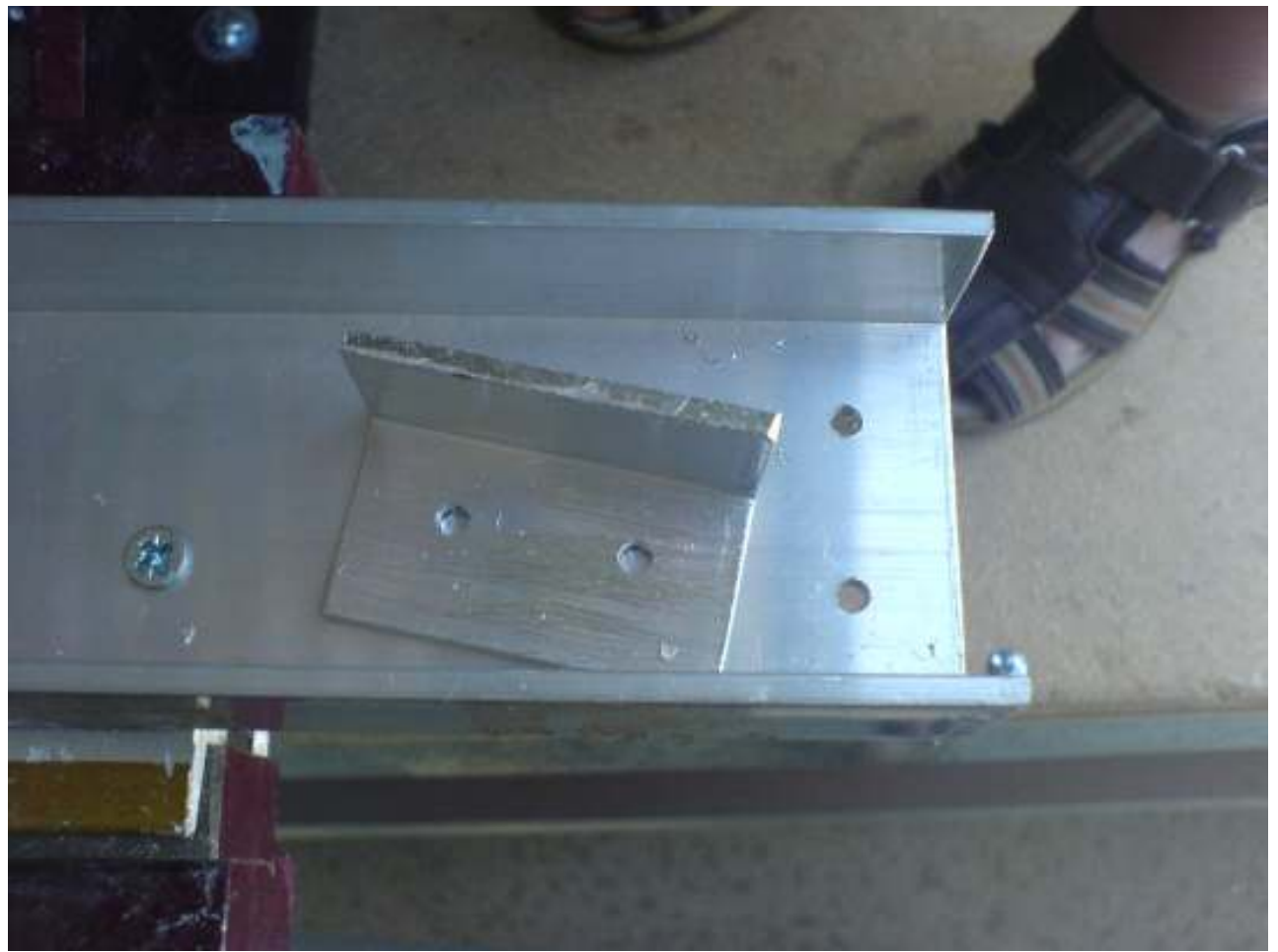




Channel





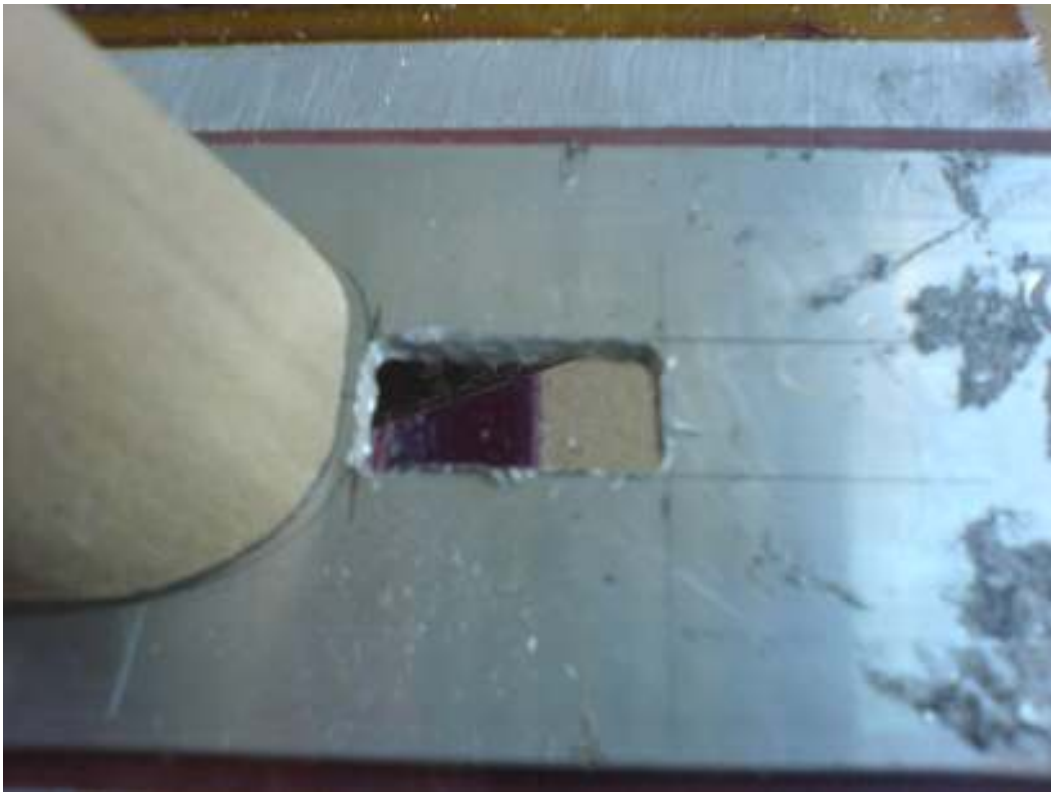




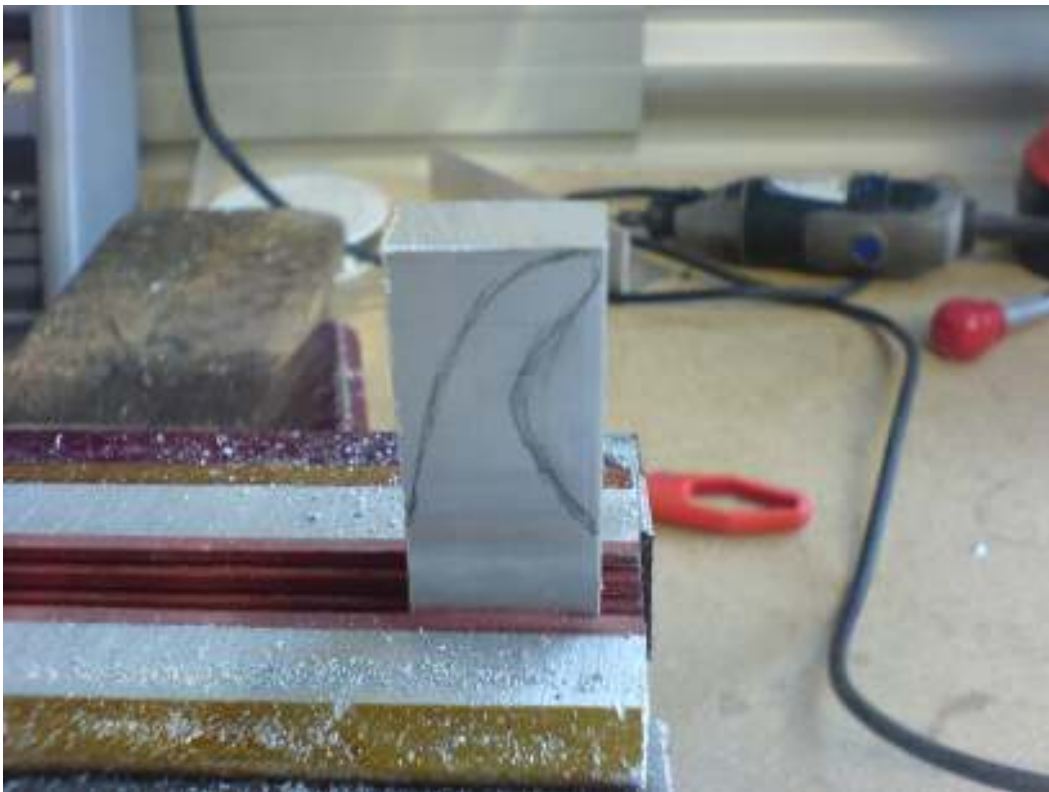
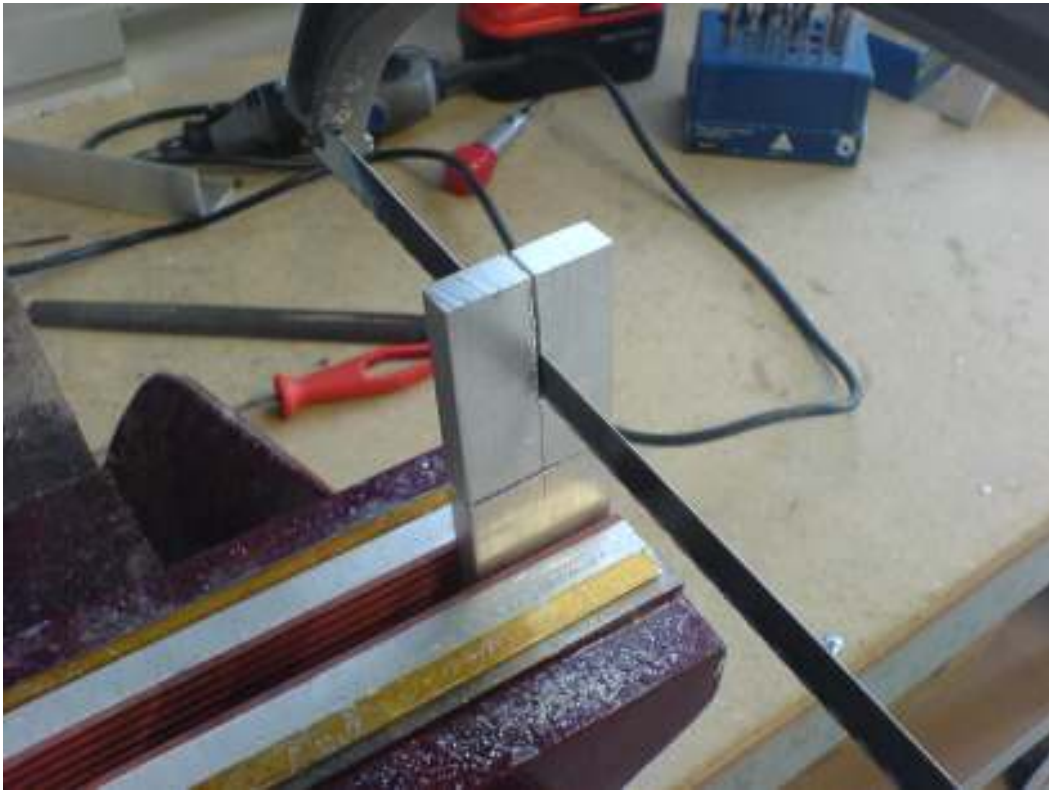
**Trigger Assembly**

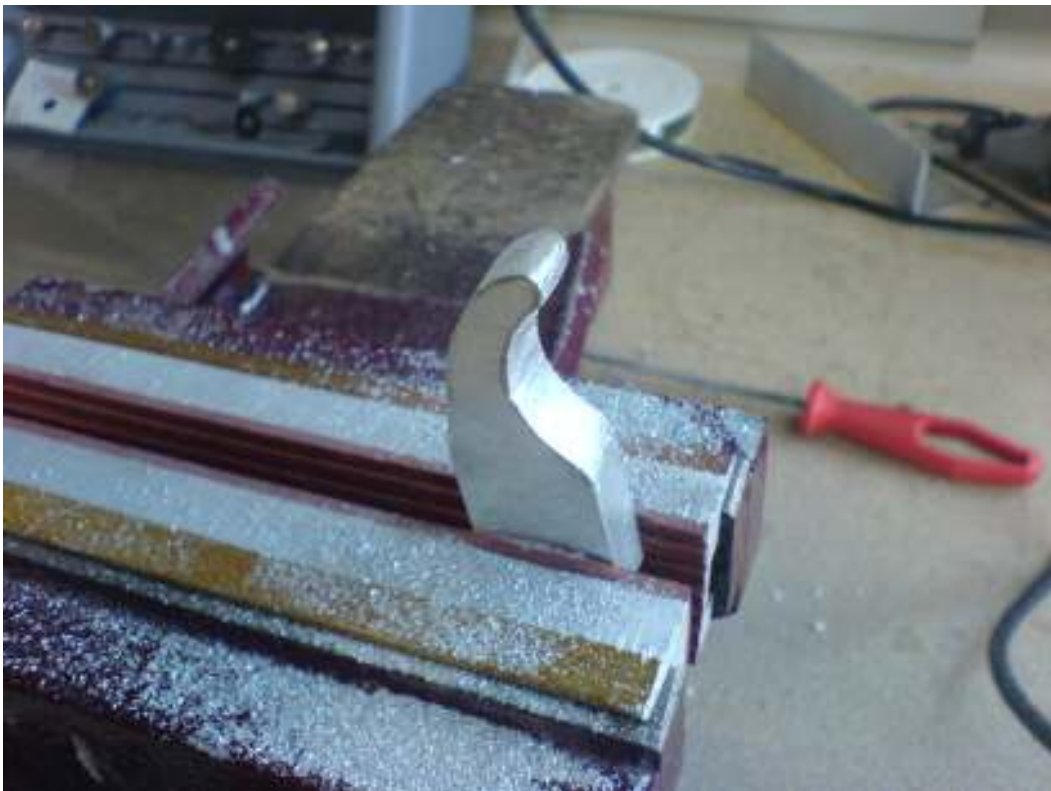
**Slot**



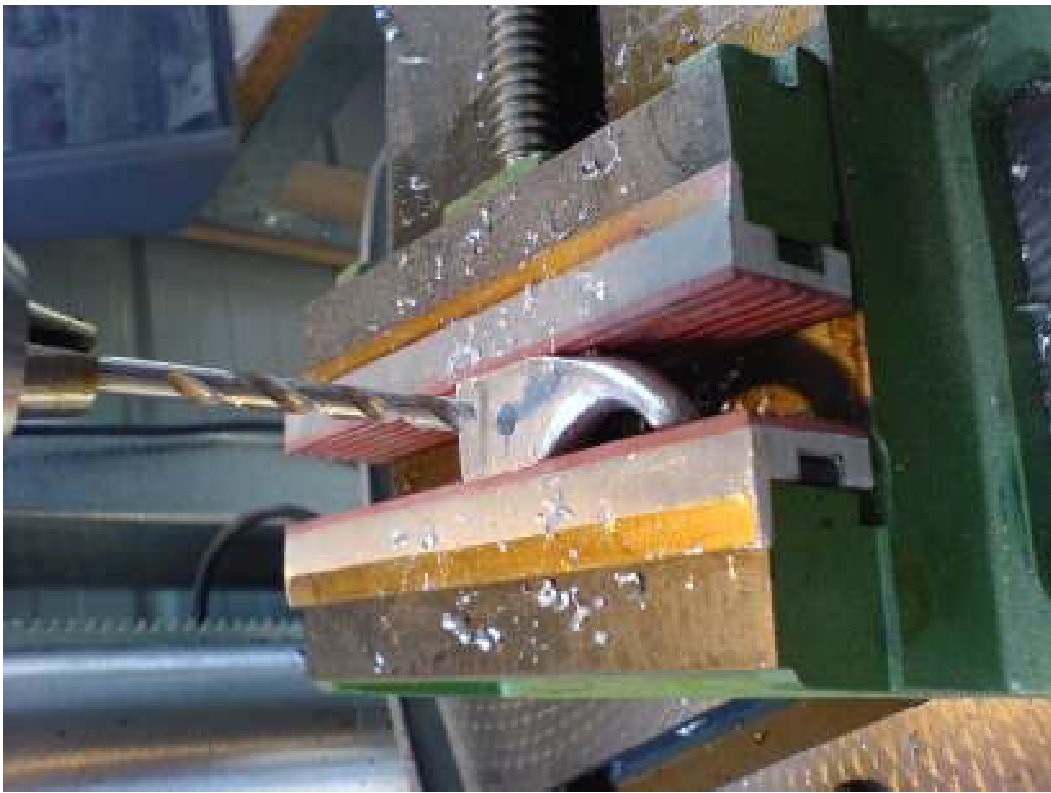
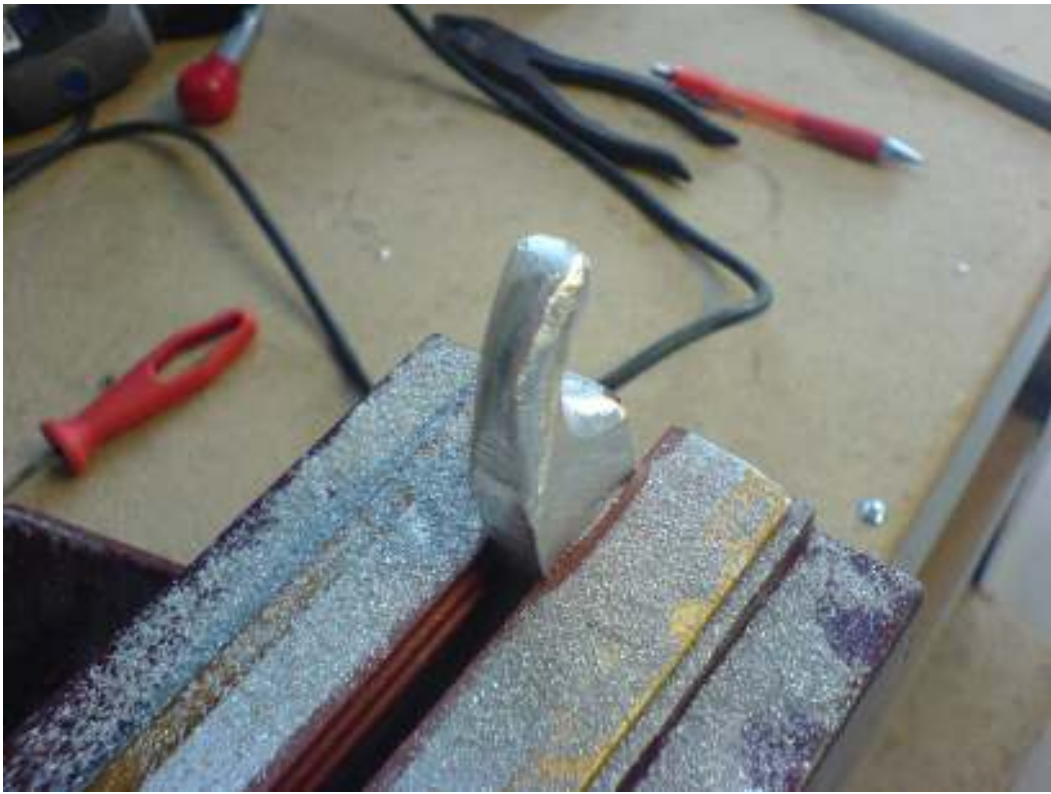


# Lever









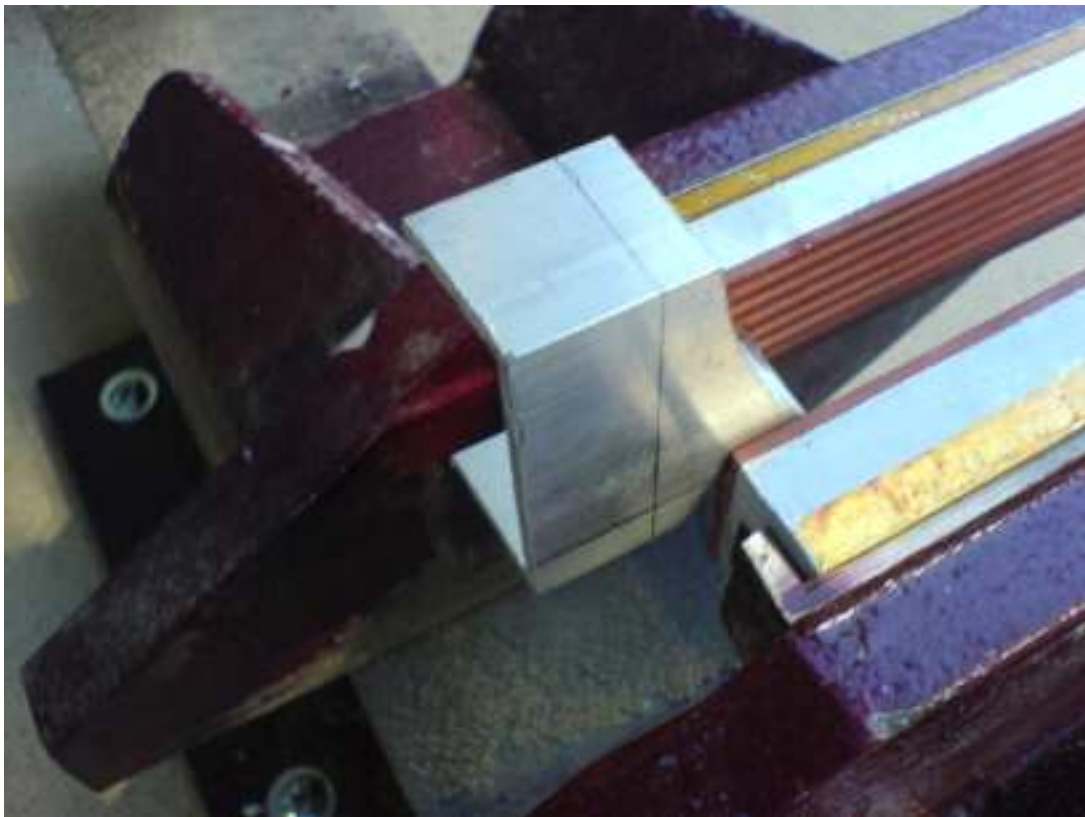
Pivot







**Switch Bracket**







**Guard**

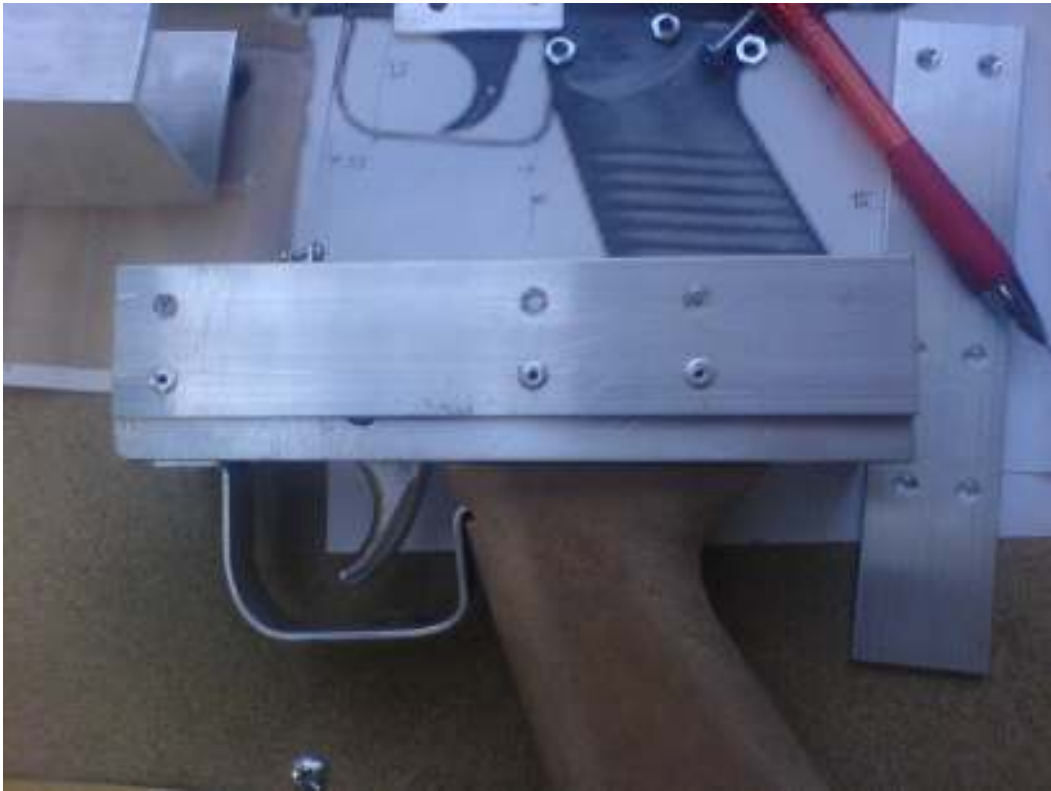




**Joiners**

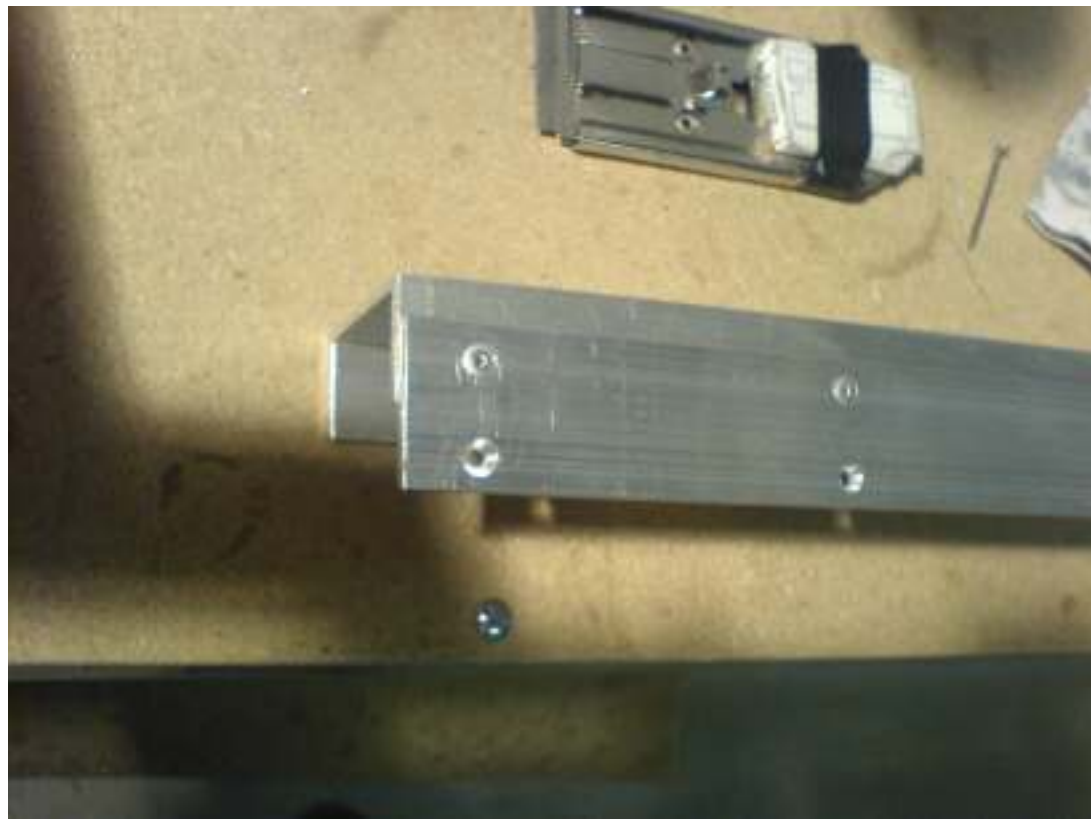






## Upper Body Assembly







## Scope Rail