BUILDING A RACE GUN

Students will be required to take both weeks of this class

July 13-July 24, 2015
Continuing Education Tuition $550
If for credit = 4 credit hours

This will be a two-week course covering the techniques and methods used to build a race gun utilizing the STI/SVI 2011 high capacity pistol. These guns are the “Ferrari’s” of the Practical Shooting sports and are the platform of choice for the top IPSC/USPSA competitors.

Students can choose to build either an Open (with optics and compensator) or Limited (no scope or compensator) gun as both will be covered. Open guns are typically chambered in 38Super/38Supercomp or 9mm. Limited guns are typically chambered in 9mm. It is HIGHLY recommended that students order the frame/slide and barrel ahead of time. Do not wait until close to class time as these parts can sometimes be on backorder. Previous experience with the 1911 platform is highly recommended, but not required. Basic machining or equivalent experience is required.

The course will cover lightening slides, fitting barrels to slide, barrel porting, mounting optics, fitting grip safeties, triggers, compensator design and fitting, magazine tuning, fitting of internals and reloading tips for race guns. Also covered are tuning the gun (spring weights, firing pin stop radius are examples).
There are a myriad of choices in building a race gun, many will be based on the shooter’s choice. Range time will be provided so students can shoot several different configurations to understand how gun configuration affects recoil control, dot/sight tracking, recoil feel and target transitions. Ammunition and firearms will be provided for this range session. Time permitting, there will be range time the last day of class for students to fire the guns they built and run through an IPSC practical stage.

Steve Pitt is the owner of Yukon Arms, Ltd. and has been a competitive shooter since 1995. He holds a Master class rating in USPSA Open, Limited and Limited10 divisions.

![Steve Pitt](image)

**Recommended parts list-**

- **STI frame/slide-barrel**
  - It is highly recommended to get a slide/barrel prefit kit.
- **Compensator**
  - STI Trubor (barrel and compensator together) is a good choice. It also comes as a compensator blank if you would like a different hole configuration. Brazos custom also makes a good compensator.
- **Internal parts**
  - These can be ordered during class as there are a lot of options to discuss. STI, Harrison Designs, EGW and Wilson (not their value line) are quality parts.
- **Optics**
  - The C-more slide ride for frame mounted optics.

(The brands listed are only examples and are not required. There are definitely a lot of other good choices).

**Recommended tools list-**

Students should bring general gunsmithing tools such as:

- Gunsmith Screwdriver Set
- Armorer’s Bench Block
- Hammer
- Punch Set
- 6” stones (medium, fine, and ceramic)
- Dremmel Tool w/Cratex wheels
- Needle File set
- Assorted files
- Rolls of sand paper- 180-400 grit
- Dial calipers

Specialty tools will be supplied, but please bring anything you might have that you think will be useful. Please contact Steve Pitt for any questions on tools.