

# **Liberty Suppressors**

**113 Gunsmoke Trail**

**Trenton GA 30752**

**706-657-7944**

## **Cleaning procedure for the Mystic, Patriot & Miranda boosters.**

- 1. Prior to firing the suppressor, remove the rear cap from the booster housing and examine the piston assembly. This will make you familiar with the arrangement of the parts for future reference.**
- 2. Reassemble the booster housing as follows:**
- 3. Lubricate the piston with high quality grease, preferable one that contains molybdenum disulfide. (Moly based grease)**
- 4. Note how the piston has 10 notches, these notches are important in that one of them is going to have to locate on the locator pin in the bottom of the housing.**
- 5. Insert the lubricated piston into the housing and once it is at the bottom of the pocket, turn it to align the locator pin with one of the notches, any notch will do at this point.**
- 6. Once it aligns with a notch, the piston will enter the booster housing another 1/8" and seat against the bottom of the pocket.**
- 7. Next insert the spring into the housing first over the piston.**
- 8. Coat the threads on the rear cap with anti-seize lube and lube the o-ring that is inside the rear cap with oil or grease.**
- 9. Install the rear cap into the housing and tighten the cap finger tight. Excessive torque on the cap is not necessary and will only make later removal more difficult, possibly requiring a return trip to our facility for repair.**

**The only difference in these instructions is that after the suppressor has been fired, we recommend dismantling the booster assembly and cleaning it to prevent it from becoming stiff from carbon buildup. This is accomplished by using powder solvent and a stiff brush, please do not scrape the booster housing with metal tools as it will scar the housing and make operation erratic.**

**Also, place a few drops of oil into the booster and allow it to seep into the spring chamber before each use to prevent carbon binding as well.**

**Thank you and enjoy your new suppressor!!**