



INFINITY PISTOL CARE AND MAINTENANCE

Cleaning and Lubrication:

Infinity pistols are manufactured to extremely tight tolerances for longevity and performance. As such the pistols require routine cleaning and lubrication to perform at their designed performance level.

The Infinity pistol is based on a 1911 type pistol however there are numerous design changes to improve the performance, ergonomics, and function of the pistol. Included in the Infinity pistol design changes is the removal of the grip safety feature.

Most oils do not offer the proper lubrication required for a tight tolerance fit. Excessive wear is common with lighter oils. Included with your pistol is Infinity's BLUE Pistol Lubrication.

Lubrication: Apply BLUE every 200-300 rounds clean rails and internal of slide, reapply generous amount of oil to the full length of slide and frame rails, radial lugs and muzzle of barrel.

Cleaning of Frame/Slide: We do not suggest using solvents for cleaning. A light oil on a tooth brush and Q-tips will be more than adequate to break down most debris left from use.

Barrel Cleaning: For cleaning of the barrel chamber we advise the use of a brass chamber brush every 200-300 rounds. The chamber must be kept clear on unburned powder and carbon build up that can prevent the ammunition case from properly seating. For the best performance, accuracy, and cleanliness we suggest the use of a jacketed projectile. We do not suggest nor advise the use of lead or plated projectiles.

Maintenance:

- 1) After a detailed cleaning Infinity BLUE applied to slide rails, frame rails, and barrel radial lugs/muzzle every 200-300 rounds.
- 2) Complete strip of pistols components every 1-2K rounds, Relubrication with moly grease of vertical contact points on trigger base, hammer hooks, disconnecter head, back of trigger bow where disconnecter contacts, inside mainspring housing for top plunger.
- 3) Check extractor tension and hook wear every 1-1.5K
- 4) Check ejector tightness in the front every 1-1.5k
- 5) Check breechface for tightness every 1-1.5K (Check hood to barrel clearance as well. If there is greater than .003-.004 of tolerance an increase in size is mandatory to maintain barrel lock up). If tolerance is excessive a new breechface with a red Loctite (high strength) needs to be installed.
- 6) Replace Recoil Spring Every 1-2k rounds.
- 7) Replace Mainspring and Firing Pin Spring every 8-10k rounds.

We love to see the pistols be well taken care so please do not hesitate to ask for additional support.