

## **USER'S GUIDE & DISCLAIMER**

- Reproduction Thompsons are not made to the original submachine specifications. Some guns experience bolt bounce, which can be severe enough to cause out of batteries. While this is not generally considered a safety hazard, it is recommended you always wear eye protection when operating the firearm and take all proper safety precautions.
- Although designed to install as simply as possible, your FRT kit may still require some fitment and tuning by a gunsmith.
- Users with aluminum frame guns are discouraged from using this kit. Aluminum is a soft metal and can scar and wear over time with the extreme increase in use this kit permits.
- This kit converts a reproduction semi-automatic, direct blow back, closed bolt firearm to simulate an open bolt Thompson submachine gun. With tuning it is possible to fire as many as 900 rounds per minute with this kit. This kit and gun combined are modified in a way that the firearm engineers did not intend or design the gun for. The user understands that this is an extreme modification and assumes all responsibility for installation and use of this kit and understands that they do so at their own risk.
- The Thompson design is nearly 110 years old. Kinetic Crossfire cannot assume the responsibility of Kahr manufacturing, nor undertake to meet idiosyncrasies of various Thompsons and users. Thus, returns are not accepted. If you have problems specific to your kit, such as a part arriving broken or damaged, please contact us at [support@kinetic-crossfire.com](mailto:support@kinetic-crossfire.com) and we will make sure you get a satisfactory resolution.

## **Troubleshooting Gun Malfunctions**

- Use only .45 ball ACP ammunition from a reputable American brand.
- Magazines can cause jamming issues. Ensure that feed lips are not bent, and that the magazine is fully seated and the magazine catch is locked. When locked, it should not move up or down AT ALL in the vertical direction. This can cause cartridges to jam into the lower receiver.
- Bad pawl springs may cause feed issues on the last 2-3 rounds in the magazine.
- Lubricate the bolt well on all surfaces. Ensure the extractor is tight and does not move. Loose extractors can cause out of battery discharges.

- Bolts can bounce. It is not yet clear why this occurs in some guns and not others. This bolt bounce can cause timing issues with the firing pin position and cause both out of battery discharges and light primer strikes. There are several ways to counter this, including modifying the bolt, replacing the bolt, working on spring balance, and installing a detent to hold the bolt closed. Should this occur with your gun, continued use is discouraged until you have contacted us through the website contact form. Dan Block also works on these guns and may be contacted at his website ([www.thompsonstocks.com](http://www.thompsonstocks.com)).
- Extractors with burrs on the face or sharp edges can catch cartridges and cause feed issues. If you have jams and notice the rim of the cartridge is caught below the extractor, use a file to smooth all edges and burrs on the extractor.
- If the bolt locks fully open and will not close again, it is very likely a bad pawl spring. You must use a pick of some sort to reach inside the receiver and depress the pawl so that the bolt may close. With top charging guns this may be tricky enough to require taking to a gun smith. Thus, it is recommended you regularly inspect the internals of your Thomson.
- When a sear block wears enough, especially in conjunction with a worn firing pin catch, they may begin to experience slippage. When this happens, dropping the bolt on a fresh magazine will discharge a round. Again, inspect your internals regularly for excessive wear, and function check without ammunition periodically.

## **Troubleshooting the FRT Kit**

- If the bolt catches when charging, remove approximately 1-2mm of material from the modified disconnect cam until it charges smoothly. A disconnect that fits in one gun may catch in another.



- If experiencing semi-auto fire or short bursts before the trigger disconnects, remove 1-2mm from the lower L shaped leg of the modified disconnect.



- Use a normal trigger press. Gripping the trigger extremely tight can cause excessive friction and lock the bolt back, even on stock semi-auto guns.
- If your firing pin does not fit and slide freely in the bolt, check in for any bowing or warping. If you have a West Hurley bolt, the pin will need some modification.