

LAW Operator's Manual



Description:

The design for this adapter uses the original firing pin mechanism of the LAW. The linear movement and momentum of the pin is transitioned 180 degrees and into a 40mm airsoft shell. There is no bracing surface inside the LAW tube, so retaining pins are necessary to keep the adapter inside the tube when fired. This is done by tapping two threads into the rear of the tube.

Adapter

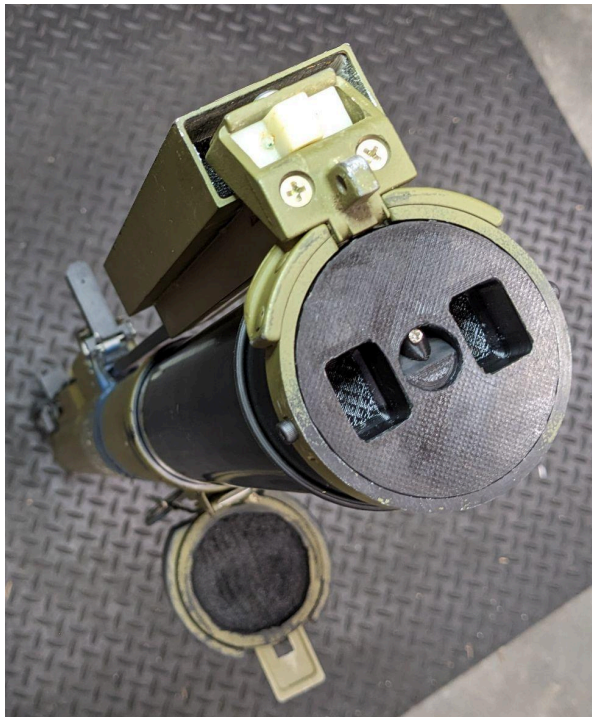


Firing Pins



To Fire:

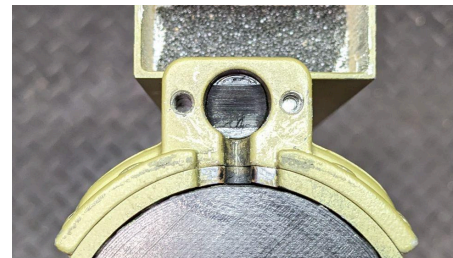
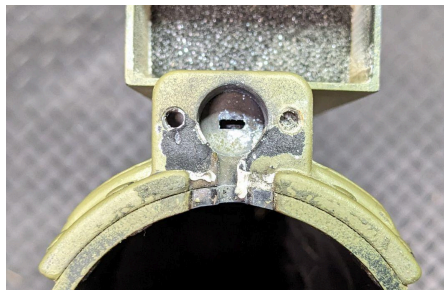
1. Pull pin from rear of LAW (opens rear of tube)
2. Remove 40mm adapter
 - a. Use finger holes and twist counter-clockwise
 - b. Pull straight out
 - c. If adapter does not rotate, try pushing up on the small screw at the rear of adapter to ensure the pins have reset all the way
3. Place 40mm shell in adapter clamp
4. Insert adapter into rear of LAW
 - a. Align retention holes
 - b. Push all the way in
 - c. Twist clockwise until adapter is aligned



5. Fully extend LAW until firing pin is primed (tube should lock back)
6. Disengage safety tab (pull forward)
7. Aim
8. Press trigger to fire
9. To reload:
 - a. Press in tube release button and collapse tube (only need to collapse a few inches to reset firing pin)
 - b. Repeat steps 2-8

Adapter Kit Installation:

1. Verify functionality
 - a. LAW must have operable firing pin mechanism for adapter to work
 - b. Step through the “How to fire” portion of this manual and verify there is an audible clang/snap when the trigger is pulled. This is the sound of the firing pin moving backwards when triggered.
 - c. The LAW must also have the primer housing intact. This is the small rectangular piece of metal at the rear of the tube held in place with two phillips head screws.
2. Cleaning
 - a. Remove dirt/grime from surfaces, including inside the tube (use compressed air if necessary)
 - b. Lubricate firing mechanism and firing pin channel (suggest silicone oil)
3. Preparing
 - a. Primer housing
 - i. Remove primer housing at the rear of the tube and remove all sealant (white and black rubbery substance). A flat head screwdriver or razor works well.



- ii. Use solvent (Goof-off) to remove any leftover adhesive from primer housing cover
- iii. Use sandpaper to smooth inside of primer housing cover. This surface needs to be smooth for the adapter firing pins to move properly. You should start seeing the bare metal after sanding.



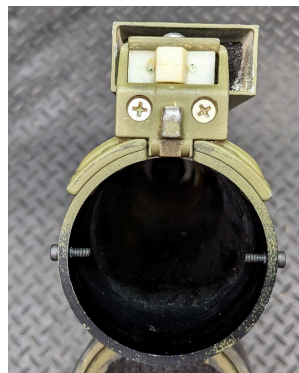
- b. Tube cover
 - i. This section applies to the newer/A7 models. The older/A2 models do not have as much foam and shouldn't interfere with closing the rear cover. If you have an older model and can't close the rear cap, you may have to remove the foam.

- ii. Use a razor (box cutter suggested) to remove as much of the rubber conical shaped portion of the rear tube cover
- iii. Any rubber that would normally protrude inside the tube when closed will make it harder to close with the adapter installed
- iv. Alternatively, you could remove the tube cover altogether, since it is not necessary for the LAW to function. This requires destroying pieces of the metal brackets.



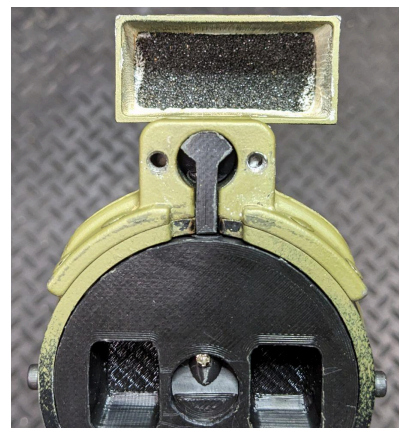
c. Threading retainer pins

- i. Remove the firing pin housing at the rear of the tube
- ii. Align the adapter drill guide on rear of tube (notch should fit inside firing pin hole)
- iii. Mark the two holes for drilling
- iv. Using a 3/32 drill bit, drill perpendicular into the tube on the marks
- v. Using a 3mm-0.50 tap, tap threads into the holes
- vi. Screw in 3mm x 10mm screws into threads



4. Adapter install

- a. Remove primer housing at rear of tube
- b. Insert pins A and B into primer housing
- c. Lubricate pins
- d. Install primer housing cover



- e. Insert adapter into rear of tube and twist clockwise

Notes:

- There are slight tolerance differences between some LAWs that may affect the function of the adapter. Slight modification or lubrication should solve these issues (see troubleshooting section).
- If the firing pin does not properly reset all the way, then it may not be possible to rotate the adapter and reload the unit. If this happens, first try pushing up on the firing pin at the rear of the adapter (against the small screw). If this does not reset the pin, then you will need to remove the rear pin housing (held in by two phillips head screws) and diagnose the issue.

Troubleshooting:

Symptom	Possible Cause	Solution
Adapter is loose inside tube	Adapter is too small	Add a small patch of electrical tape (one strip at a time) to the circumference of the adapter until it fits snugly
Adapter won't fit/twist in tube	Adapter is too large	Lightly sand circumference of adapter until it fits
Can't twist/remove adapter	Adapter is too large	Sand down adapter
	Under lubricated	Lubricate all moving parts
	Firing pin housing obstruction	Ensure firing pin housing sealant is removed and sanded down
	Primary firing pin not properly reset	Sand down damage to tip of primary firing pin (A). Work towards a tapered shape for better reset.
40mm shell won't trigger	Under lubricated	Lubricate all moving parts
	Firing pin housing obstruction	Ensure firing pin housing sealant is removed and sanded down
	Adapter misaligned	Ensure the adapter is aligned

		with the firing pins
40mm shell won't stay in adapter clamp	Clamp is damaged	Replace adapter
40mm shell is loose inside adapter clamp	Clamp is damaged	Replace adapter