

STATEMENT OF LIABILITY

**LASERLINE IS MANUFACTURED BY
WEST INDUSTRIES INC. LASERLINE IS
PATENTED AND TRADEMARKED.**



This device is not a toy. Misuse may cause serious injury. The user and any person within range must wear eye protection at all times. Hearing protection is strongly recommended. This tool is to be used by adults only. Obey all local, state, and federal laws. Read all instructions carefully before use.

Operation Procedure

Please read and understand all material in this manual before operating this device.

Included in your *LaserLine* Kit:

- 1) *LaserLine* Gun
- 2) (2) CO2 12- gram cartridges
- 3) (2) Spools of pull line
- 4) (2) *LaserLine* Darts
- 5) Laser sight, Batteries and Allen tool
- 6) Instruction manual

Important note: (*Kits sold outside the Continental United States or Air shipped, the CO2 will be excluded.*)



Loading the CO2 cartridge

The *LaserLine* comes with a 12-gram CO2 adapter. Your *LaserLine* will also accept larger CO2 tanks. The 12-gram cartridges are good for approximately 6 -12 full power shots. Depending on your velocity's adjustment setting, the higher your velocity the fewer shots per cartridge. To load a 12- gram cartridge into the gun, simply insert the large end of the CO2 cartridge into the hole at the top of the CO2 adapter. Then quickly screw the adapter onto the threads protruding from the bottom of the gun until you hear the CO2 cartridge seat. When removing a CO2 cartridge, be sure the piercing pin O-Ring stays in place.

See Figure A below.



Fig. A

Installing the line spool

Unscrew the canister end cap. Place the spool into the canister and replace the end cap. Pull a few feet of line from the center of the spool. You are now ready to attach the line to the dart.

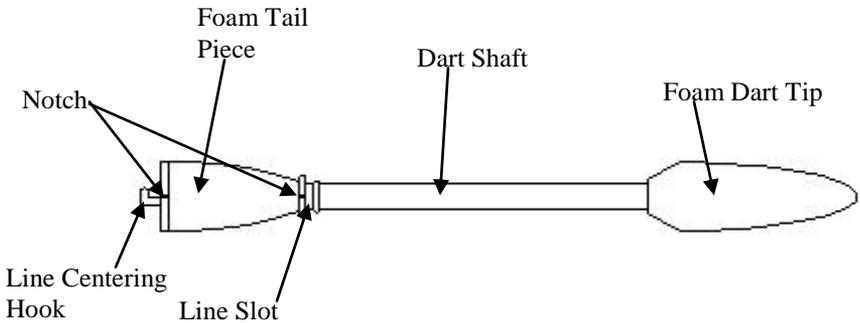
See Figure B below.

Note: When spool becomes low, the spool may collapse causing the line to not release properly. When this happens, replace with a new spool

Fig. B



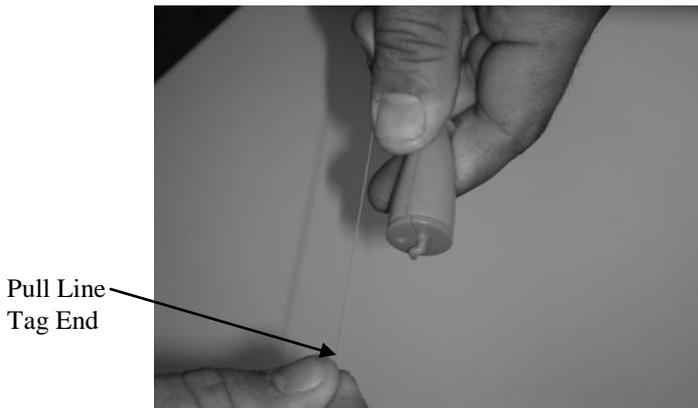
Dart Components



NOTE: line must be attached to the Dart for proper flight stabilization. Therefore, you will need to use the line every time you launch the pull line Dart. Even when sighting in your Laser.

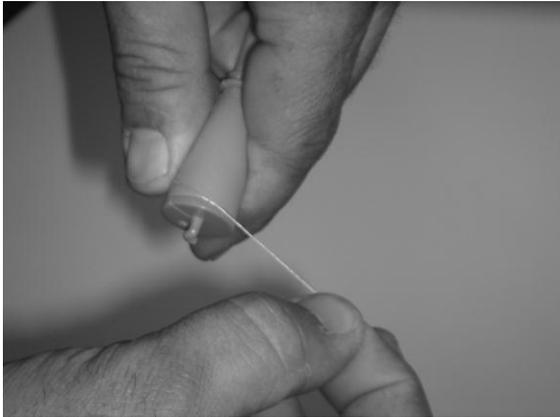
Attaching the Line to the Dart

STEP 1:



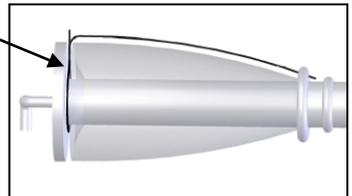
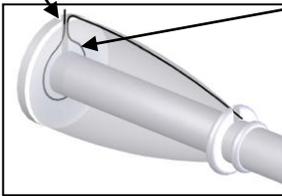
- 1) Holding the Dart in one hand and the tag end of the Pull Line in the other hand as shown above.

STEP 2:



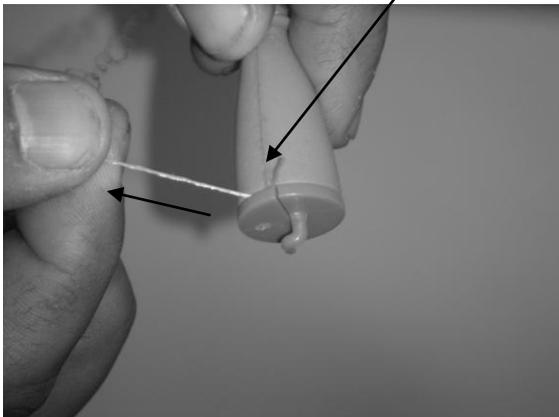
- 2) Slide the tag end of the pull line between the hard plastic end cap and the foam tail piece as shown above. Wrap tag end around Dart (1) time. *Line is between foam and plastic Dart end cap.* See details

Line up
with notch



STEP 3:

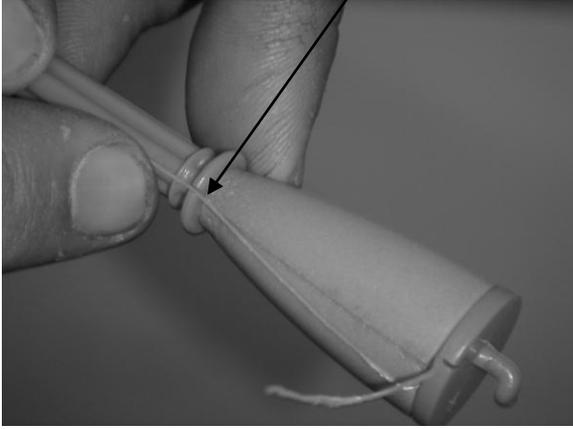
Pull Line Tag End



- 3) Pull on the line (as shown above) to shorten the tag end to approximately $\frac{3}{8}$ to $\frac{1}{2}$ ". This is important to ensure the least amount of drag from the extra tag end in the barrel when launching the Dart.

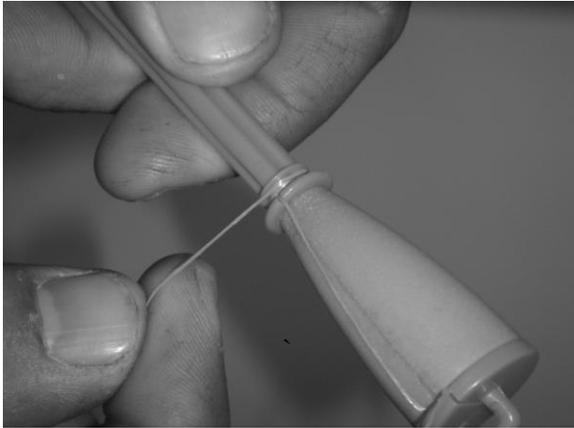
STEP 4:

Notch at front of
foam tail piece



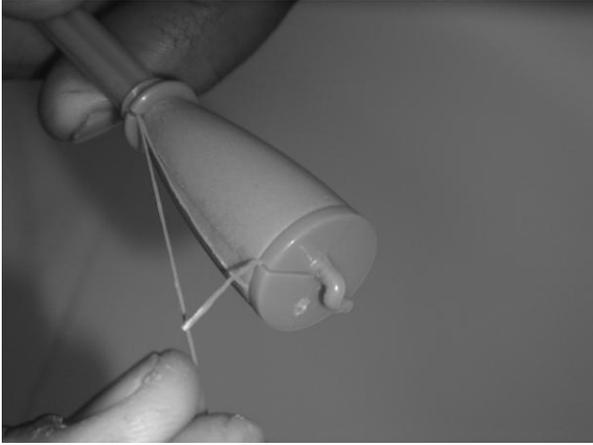
- 4) Pull the line end forward over the foam tail piece and through the notch in the ring at the front of the tail piece. See photo above.

STEP 5:



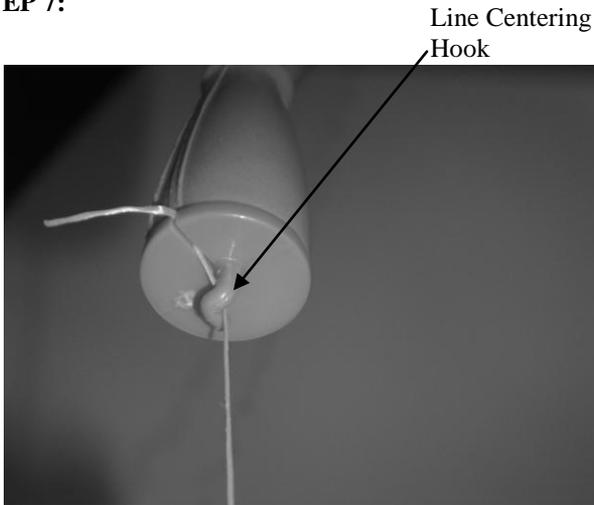
- 5) Holding the line, spin the Dart shaft between finger tips (2) times around so the line wraps around the shaft (2) times in the provided line slot.

STEP 6:



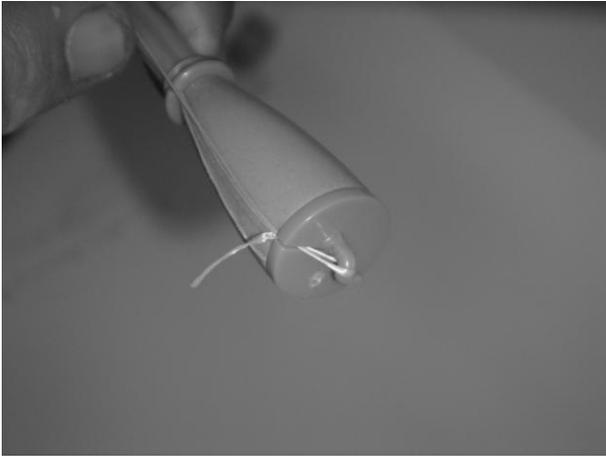
- 6) Pull the line back over the foam tail piece through the same notch.

STEP 7:



- 7) Pull the line through the notch in the plastic end cap and through the line centering hook at the top of the plastic end cap as shown above.

STEP 8:



- 8) Before you insert the Dart into the *LaserLine* barrel, you will need to pull the line back through the notch at the top of the Darts foam tail piece and down through the notch at the base of the Darts foam tail piece. This will secure the line and keep it from dragging in the barrel when launching the pull line Dart.

Loading the Dart

Insert the Dart (tail end first) into the barrel of the *LaserLine* until the Dart comes to a stop. (Do not try to force it and be sure to keep the line snug while loading the Dart) Before cocking the *LaserLine*, be sure the trigger safety is in the ON position (safety button protruding from right side of the gun) See *Figure C* below.

*Safety Button In ON
Position*

*Insert Dart here
(Tail end first)*



Fig. C

Once the Dart has been loaded into the barrel and you are ready to install your pull line (be sure safety is in the *ON* position) Pull back on the cocking knob until it locks into place, you are now ready to launch your Dart and install your pull line.

See *Figure D* below.



Fig. D

Cocking knob

Be sure you keep the trigger safety in the *ON* position until you are ready to launch the Pull Line Dart. Before launching the Dart, be sure the area is clear. It is recommended that everyone in the work area wear safety glasses. **Failure to wear eye protection within the work area - could result in injury.** Proper hearing protection is also recommended. Turn on the laser sight by pressing the button on the back of the laser, then sight in your proposed path. Release the trigger Safety and pull the trigger. Your pull line is now installed and you are ready to pull your cable. It is recommended to turn the safety back on after each Dart launch.

Velocity Control

The *LaserLine* is equipped with a velocity adjustment knob that will allow you to slightly increase or decrease the darts velocity. Located below the cocking knob is a knurled adjustment knob. Turning the adjustment knob clockwise will increase the dart velocity. Turning the adjustment knob counter-clockwise will decrease the dart velocity.

See Figure E below.

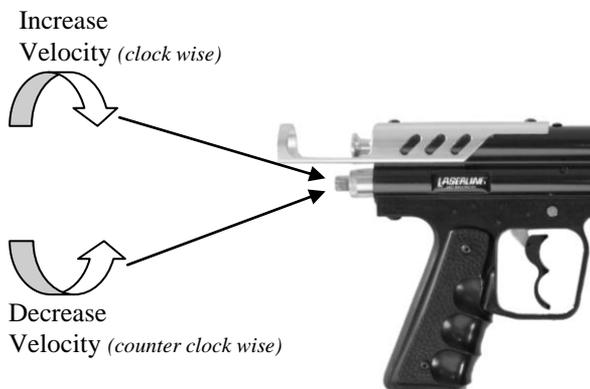


Fig. E

NOTE: When loading the CO₂, make sure the velocity adjustment knob is not set to the maximum velocity setting.

Before loading the CO₂, turn the velocity knob all the way to the right until it stops, then back it off approximately 2 full turns. This will prevent the CO₂ from leaking and also allow the valve to seat and seal correctly. Once the CO₂ cartridge is installed, you can turn the velocity adjustment to the preferred velocity position.

WARNING

Before removing CO₂ Cartridge from adapter, be sure to expel all remaining CO₂ or damage to the O-Ring may result.

(To expel CO₂, dry fire until remaining CO₂ is expelled)

Troubleshooting

CO2 Leak Related Problems:

1. If you can hear CO2 leaking once the CO2 has been installed, you may need to pull slightly back on the cocking knob or remove the CO2 then turn the velocity control knob to the low velocity position and then repeat the CO2 loading process.
2. Check to make sure the O-Ring did not fall out from the CO2 adapters Piercing pin.

Dart doesn't fly properly:

- 1) Dart may be bent or damaged. (*Replace Dart*)
- 2) If the Darts foam tip or foam tail piece becomes loose, re glue with Cyanoacrylate. (*super glue*)
- 3) CO2 may be low.
- 4) Pull Line **MUST** be attached to the Dart for proper flight stabilization.
- 5) Pull line may be low and catching due to collapsed spool.

For any other issues please contact manufacture, servicing may be required.



Limited warranty

West Industries, Inc., warrants the replacement of any original part due to defect in materials and /of workmanship of this device. This warranty will be in effect for twelve (12) months for parts and twelve (12) months for labor following the original date of purchase for the original purchaser. Such warranty service will be provided with proof of purchase within the above guidelines. All other repairs or services will be duly charged for and returned via UPS C.O.D.

West Industries, Inc. will replace without charge any original part that is determined by West Industries, inc. to be defective under the terms of this warranty. However, shipping charges are not covered hereunder. Failure due to an accident, abuse, neglect, modification, normal wear, operator error, and maintenance by anyone other than West Industries, Inc. or qualified service center, will result in voiding the warranty. Any use of the parts inconsistent with the intended use is also not covered by this warranty.

For Warranty, parts or service contact:

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Woodbury, MN 55125
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(Fax) 651-458-0521
E-mail: info@thelaserline.com
Website: www.thelaserline.com

Repair shipping address:

West Industries Inc. (Service)
8114 Ingberg Trail
Cottage Grove, MN 55016