



The Fletcher-Terry Company

Quality. Service. Dependability. Value.

Since 1868

ASSEMBLY INSTRUCTIONS

Fletcher F-3000 / F-3100 Accessory Laser Kit



Shown Assembled on F-3000 Machine

MyBinding.com
5500 NE Moore Court
Hillsboro, OR 97124
Toll Free: 1-800-944-4573
Local: 503-640-5920

FORM #091010

Product Warranty

The Fletcher-Terry Company warrants the product purchased to be free from defects in parts and workmanship for (1) one year from the date of purchase. The Fletcher-Terry Company warrants that it will repair or replace any such defective parts, providing the product has been under normal use and service and the defective part is returned to The Fletcher-Terry Company at the purchaser's expense. The Fletcher-Terry Company must authorize the return in writing. Proof of purchase must be submitted to validate warranty coverage. The warranty is in lieu of all other agreements and warranties expressed or implied. THE FLETCHER-TERRY COMPANY DOES HEREBY EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The Fletcher-Terry Company does not authorize any company employee or representative to assume for it any other liability than that set forth in this Product Warranty. The Fletcher-Terry Company shall not be liable for any damages or losses, whether incidental or consequential or direct or indirect, arising out of the use or abuse of this product. This Warranty is valid only when product is used with Fletcher consumables and/or replacement parts. In any event, THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS OR ANY OTHER WARRANTY IS LIMITED TO RETURN OF THE PURCHASE PRICE PAID FOR THIS PRODUCT.



SAFETY WARNING



Do not look directly at the laser light source, serious eye damage may occur.

Fletcher F-3000 / F-3100 Accessory Laser Kit

Please read all of the instruction steps below before proceeding with the setup of your accessory laser.

Included Items

Unpack the laser kit and inventory the included components (Figure a):

- A. Laser unit/mounting bracket and wire assembly
- B. Battery pack
- C. Self-adhesive wire clips and cable "zip" ties (6 ea.)
- D. 3mm hex wrench

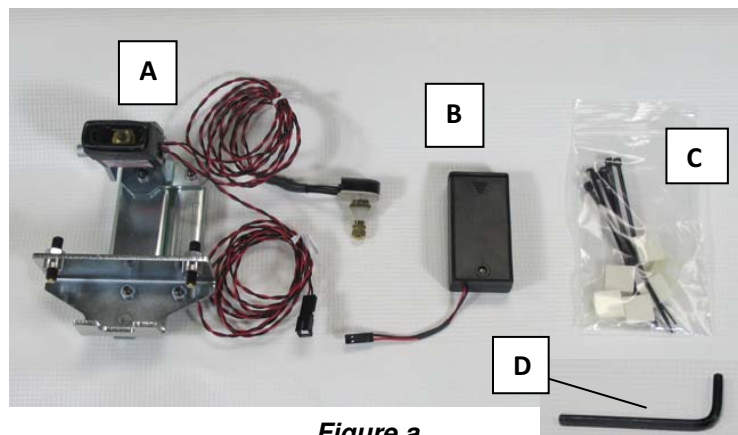


Figure a

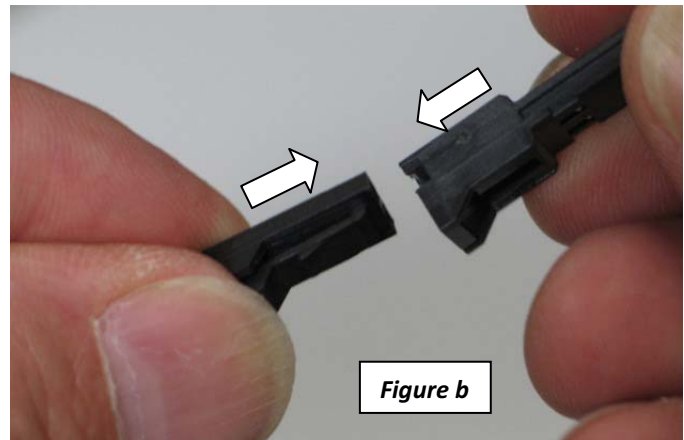
Installation and Calibration Instructions

Insert Batteries and Test Laser

Prior to mounting the laser unit to the machine, open the battery access cover on the battery pack by removing the small Philips head screw and sliding the cover plate off. Insert two (2) fresh AA type batteries (not included), oriented as shown on the interior of the battery compartment. Replace the battery pack cover and re-insert the Philips screw.

Connect the battery pack and wire plug/socket together, as shown. The plug/socket are indexed, and will only connect properly in one direction (Figure b). *Do not try to force the wire connection.*

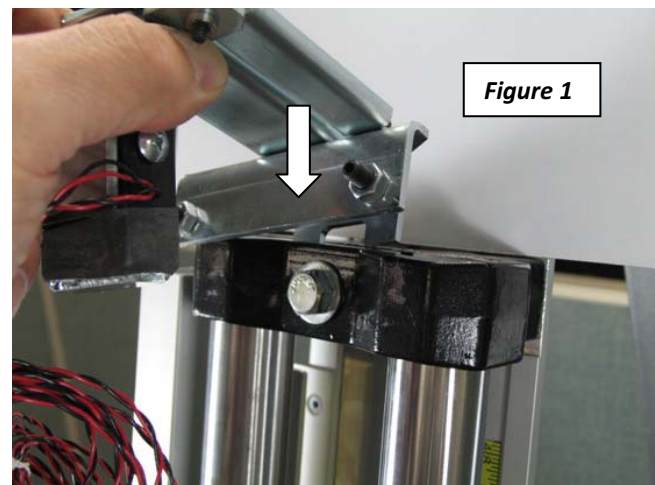
Switch on the laser unit now to test its function. If the red laser beam is not on or visible, check both the battery orientation and wire connection, and inspect all wires for possible damage. **Do NOT look directly at the laser beam.**



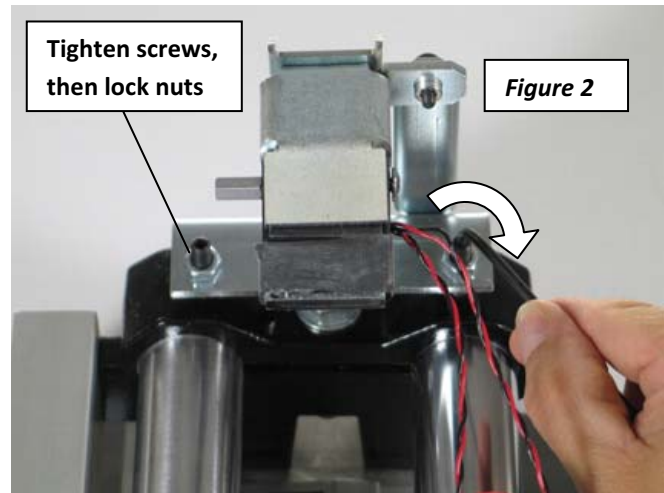
If the laser functions normally, turn off the power switch, disconnect the battery pack plug, and proceed to the installation instructions.

Laser Unit Installation

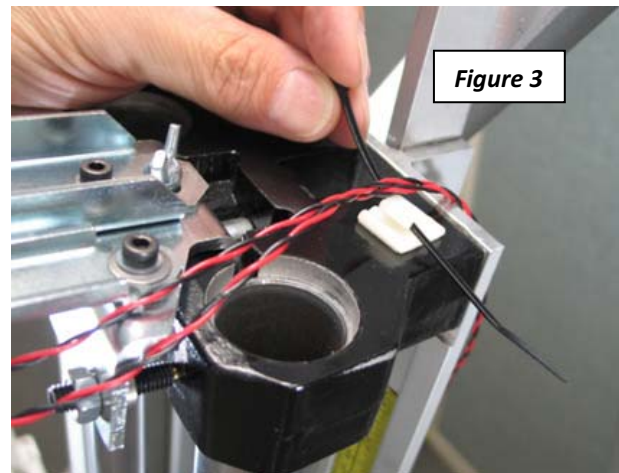
1. Using a step ladder or stool, attach the laser unit mounting bracket to the top of the F-3000/3100 vertical tube clamp, as shown (Figure 1).



2. Visually align the body of the laser to the approximate center of the tubes, and tighten the two laser bracket clamping screws with a 3mm hex key (Figure 2). Tighten the two locking nuts to secure each hex screw in position afterward.

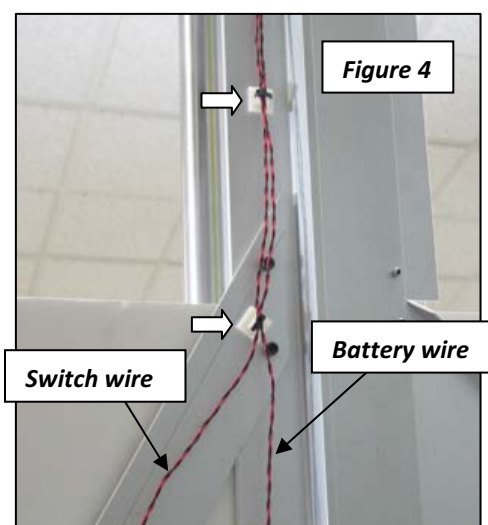


3. Route the laser wires above the bracket assembly and behind the frame of the machine, taking care to avoid pinch points on the laser alignment assembly. Attach a self-adhesive wire clip and wire tie to the top surface of the tube clamp (Figure 3).



4. Run the switch and battery power wires downward to the junction of the diagonal brace, and attach another wire clip and tie nearby (Figure 4).

Note: Precise placement of the battery pack and switch wires is not critical, but it is important to avoid any excessive wire slack that may interfere with normal operation of the machine or insertion and removal of cutting substrates.



5. Peel off the protective film from the rear self-adhesive surface of the battery pack and adhere the unit to the lower-rear portion of the machine. Try to choose a location and orientation that will make future battery replacement most convenient (Figure 5).
6. Remove the protective film from the rear of the switch body, and adhere it to the rear of the machine's diagonal brace (suggested location, Figure 6).
7. Mount additional wire clips and ties to the rear of the diagonal brace and vertical beam of the cutter. Pull upward to eliminate any excess wire slack, and loop the excess wire through one of the cable ties. Tighten all of the wire ties and carefully cut the excess portions of each tie off with wire cutters. Reconnect the battery pack wire plug/socket.

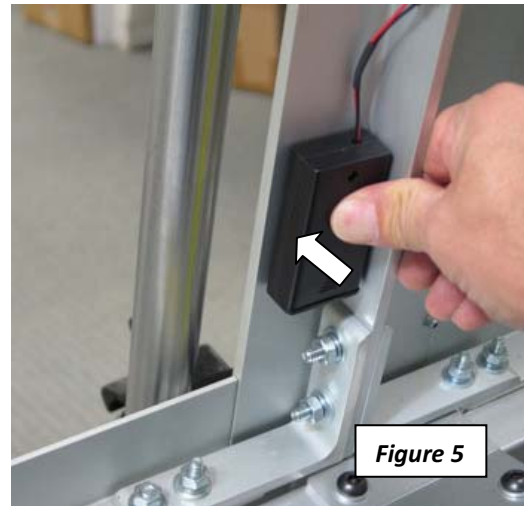


Figure 5

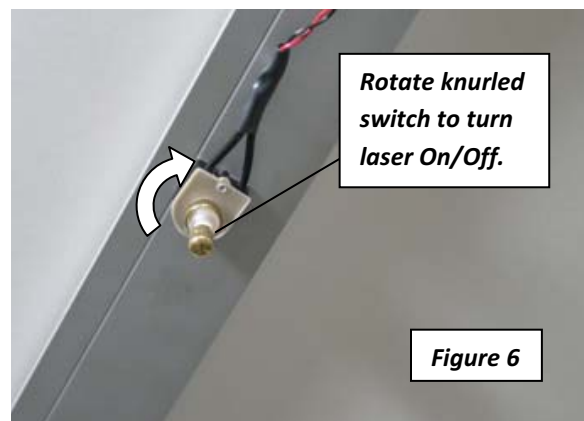


Figure 6

Laser Alignment Procedure

Remove the protective rubber sleeve from the laser unit to access the alignment controls. The laser unit may be adjusted to precisely align with the actual cut line of the machine by means of three control mechanisms on the laser unit and bracket: (Figure 7)

- A) Primary left-right alignment, top of mounting bracket assembly (wing-nut)
- B) Parallel/skew adjustment, bottom-rear of laser unit (yellow lever)
- C) Secondary (fine-adjustment) left-right alignment knob, left side of laser

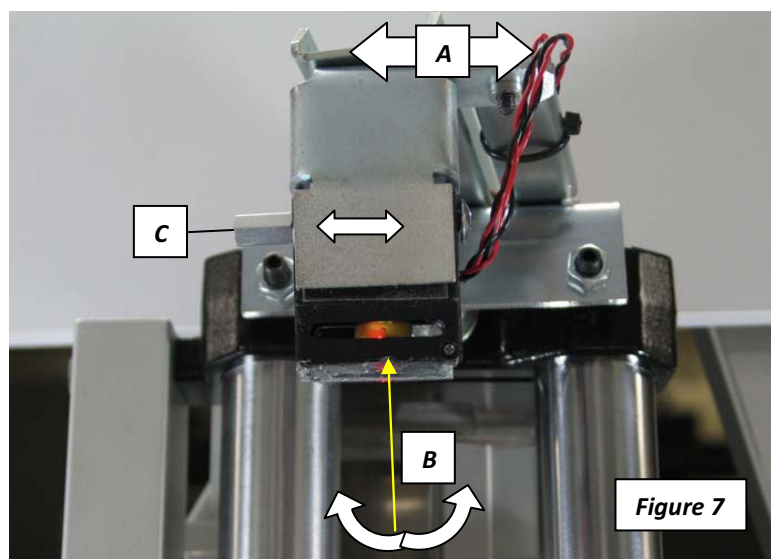
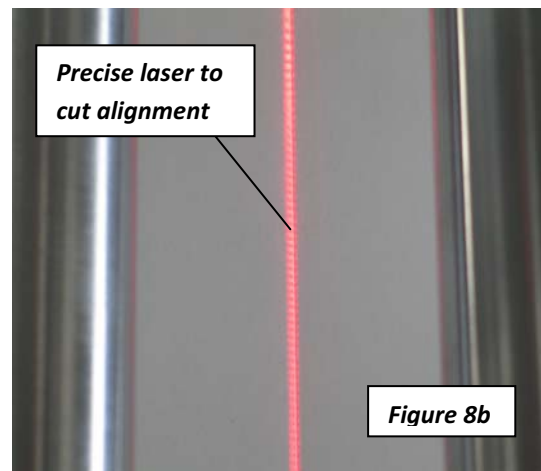
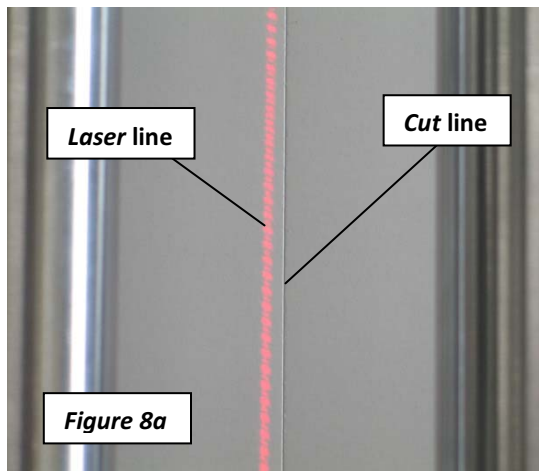


Figure 7

Follow this procedure to align the laser's *sight* line to the machine's actual *cut* line.

1. Insert and clamp a sample sheet of board/substrate onto the machine. Using the razor blade position on the blade turret (F-3000) or foam/gatorboard blade pillar post (F-3100), make a partial score cut through the board's surface. Hold tension on the retraction thumb lever to prevent cutting completely through the board.
2. Switch on the laser unit, and visually assess the current laser-line to cut-line position. If there is a significant left to right misalignment, loosen the wing nut [A] on the top of the laser bracket and move the laser left or right to align as closely as possible to the score cut line. Retighten the wing nut securely.
3. If the laser and cut lines are not *parallel* (Figure 8a), adjust the yellow skew-control lever [B] located below and behind the laser body until the lines are precisely parallel.
4. If there is now a small degree of left-to-right error, rotate the fine-adjustment knob [C] on the left side of the laser body until precise alignment is achieved (Figure 8b).
5. Carefully replace the protective rubber band over the laser to help prevent accidental alignment changes.

Note: The accessory laser is not primarily intended for use with the rotary-cutting pillar post tools used on the F-3100 machine, although the laser line may be adjusted for the cutting position used either with these tools OR the standard blade tools.



**Contact Fletcher-Terry customer support
for assistance at 800.843.3826 or by email
at customerservice@fletcher-terry.com.**

F-3000 / 3100 Laser Kit Parts List

Item No.	Description	Quantity
1	F-3000/3100 Laser Mounting Bracket	1
2	Laser Squaring Arm	1
3	Laser Support Arm	1
4	Laser Mounting/Pivoting Bracket	1
5	1/4" Belleville washer	4
6	M4 Flat washer	5
7	M4 x 12mm Socket Head Cap Screw	4
8	M4 Wing Nut	4
9	Set Screw (M4 Brass-tip)	2
10	M6 Hex Nut	2
11	Spacer, F-3000/3100 Laser	4
12	Laser	1

