

# FieldLiner 3™

## Product Manual



Jasper St. Unit F, Aurora, CO 80011 T 800.624.6706 F 303.364.7796 • Newstripe.com

FieldLiner 3™ Manual / 4867.0822

# FieldLiner 3™

**ALWAYS wear safety goggles or protective eye-wear when operating the unit!**

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**Thank you!** And Congratulations on your purchase of the **FieldLiner 3™** paint marking machine.

With proper care, service and clean up, the **Newstripe FieldLiner 3™** is designed to give you years of trouble free, accurate line marking. It is important to familiarize yourself with the machine before start-up. Please take the time to **THOROUGHLY READ THIS MANUAL**. This will guarantee a good start using your **FieldLiner 3™** and a longer, trouble-free machine life.

Please check the serial number on your unit. This Manual is for units with serial number 1017649 and above only.



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**Note: This machine is for athletic field use only, with water base paints.**



### PRECAUTIONARY WARNING!



- Please read and understand all operation instructions as detailed in this manual. Failure to follow specified instructions may result in equipment damage or serious injury to personnel up to and including death!
- **ALWAYS STRAIN THE PAINT.** Field marking paint often has oversized material, lumps, and debris. If not strained, these contaminants will be drawn into the hoses and gun, and may restrict paint flow.
- **THIN THE PAINT,** as per manufacturer's recommendations prior to use. Almost all field-marking paints **MUST BE THINNED** before use with the FieldLiner 3™. These paints are typically thinned at a minimum ratio of 1:1. Follow suggested paint thinning guidelines per the paint manufacturer's instructions.
- **NEVER** perform maintenance on the machine while the system is pressurized.
- **NEVER** use any kind of tool to tighten the pump.
- **NEVER** use tools or excessive force to close pump lid.
- **NEVER** pressurize the unit above 35 psi.
- Please note that modifying, changing or servicing any portion of the machine, system or components outside of the procedures and parts outlined in the owner's manual will **VOID** the warranty.
- Always consult your Facility Safety and/or Personnel Department for specified safety protocols prior to operating this equipment.



# FieldLiner 3™

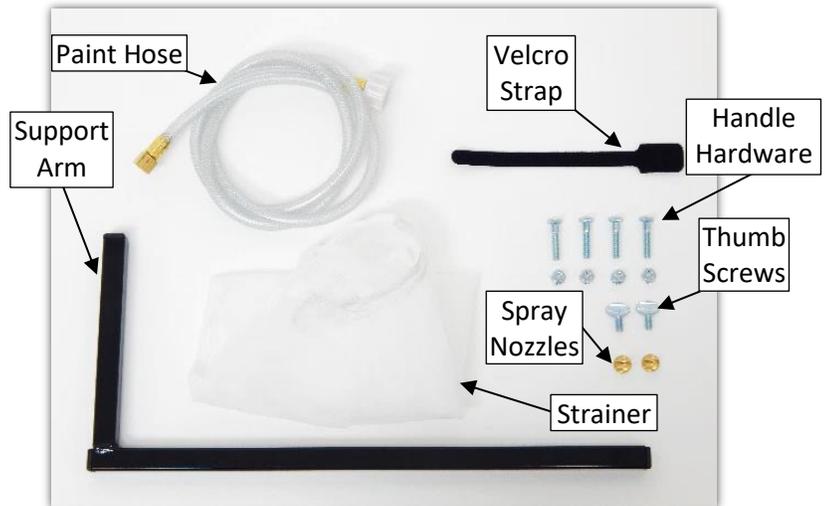
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## Your FieldLiner 3™ box should include:

- Chassis Assembly
- Handle Assembly
- Paint Tank Assembly
- Paint Spray Hose
- Spray Gun
- Spray Gun Mount with Star Knobs
- Support Arm

## Parts bag containing:

- Support Arm Thumb Screws
- Assorted Spray Nozzles
- Handle Mounting Hardware
- Cloth Mesh Strainer
- Owner's Manual



## Required Items and Tools

- Two 7/16" Combination Wrenches and Two Adjustable (Crescent) Wrenches.

## ASSEMBLY

1. Remove all parts from the packaging boxes.
2. Loosen the wing knobs on the handle assembly and then rotate the handles to partially unfold them.
3. Position the handle assembly at the back of the chassis with the cable to the right and the top of the handle resting on the floor.
4. Align the holes in the handles with the holes in the chassis riser (2 positions available). Insert the four 1/4" bolts through the holes and then tighten the four 1/4" lock nuts onto them (Pic 1).
5. Rotate the top section of the handle upward to the unfolded position and then tighten the wing knobs (Pic 2).
6. Insert the support arm into the receiver tube on the right-hand side of the chassis and then just through the left side. Secure the support arm with the two 1/4" thumb screws through the threaded holes above it.
7. Slide the gun mount with the gun, onto the support arm upright. Secure the gun mount with the large star knob (Pic 3).



Pic 1



Pic 2



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8. Loosen the star knob on the right side of the chassis riser. Set the tank assembly into the riser with the outlet fitting in the bottom to the rear (fitting fits in the slot of the chassis base). Secure the tank by tightening the star knob on the right side of the chassis riser (Pic 4).
9. Feed the small end of the spray hose through the grommet in the chassis riser and then connect it to the outlet fitting in the bottom of the tank at the back of the machine and lightly tighten with a wrench (Pic 5).
10. Coil the hose assembly, leaving enough hose to connect to the spray gun and then secure the hose to the inside of the handle with the provided Velcro strap. Connect the hose to the spray gun by hand (Pic 5).



Pic 3



Pic 4



Pic 5



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## OPERATION

1. Open the paint tank by turning the pump/lid handle counter-clockwise until it is loose, and then remove the pump from the tank.
2. Replace the pump/lid assembly into the tank. Turn the pump handle clockwise until snug. **DO NOT OVER TIGHTEN.** Never use any kind of tool to tighten the pump lid.
3. Operate the hand pump up and down until the desired pressure is reached. The pressure used is dependent on many factors, including type of paint, viscosity, ambient temperature, etc. A little experimenting will be necessary, but the normal pressure range is 20 - 30 psi. **NEVER PRESSURIZE ABOVE 35 PSI.**
4. Check for any leaks. The pump/lid should seal with normal hand pressure. Never use pry bars, other tools, or excessive force to close. If necessary, clean the gasket and gasket seating area and lubricate or replace the gasket.
5. Position the spray nozzle where the painted line is to begin. Pull the control lever. An even flow of paint should spray from the nozzle. It might be necessary to thin the paint or increase the pressure to get the proper pattern.
6. The spray pattern can be adjusted from 2" to 6" by moving the spray gun up or down on the support arm
7. When low on paint the unit will begin to "sputter" and paint will come out unevenly. To refill, turn the knob counter-clockwise 1/4 turn on the pressure relief valve to release the tank pressure. Turn the pump/lid handle counter-clockwise and remove it from the tank. Refill the tank with properly thinned, strained paint and re-pressurize
9. To use the spray gun as a hand sprayer, remove the gun from the gun mount and un-strap the hose from the handle. Depress the lever on the gun to spray. After use, coil the hose and secure it to the handle with the Velcro strap and then return the gun to the gun mount.



## OPERATIONAL NOTES!



- If this is your first time, use water to practice.
- **NEVER** Pressurize above 35 psi.
- Never use any kind of tool to tighten the pump lid.
- Lubricate the lid gasket with petroleum jelly.
- Never try to open the tank when it is pressurized.
- **ALWAYS** strain the paint.



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## CLEANING PROCEDURES

### CLEAN AFTER EVERY USE!

1. When your painting job is complete, empty the tank of unused paint. To do this, relieve the tank pressure by turning the knob 1/4 turn counter-clockwise on the pressure relief valve.
2. Disconnect the paint hose at the spray gun and place the open end in a container you wish to save the paint in. Pressurize the tank to 2-3 psi and the paint will be pumped from tank into the container. After the paint has been drained, reconnect the hose to the spray gun.
3. Pour 1-2 gallons of water into the tank and swab the inside with a rag. Re-pressurize the tank and force the liquid through the system by pulling the control lever. Repeat the above procedure until no residue of paint is shown in the liquid. Operate the spray nozzle until the gun is cleared of all paint.
4. Remove the nozzle cap and nozzle from the spray gun and clean them thoroughly.
5. Clean and rinse the exterior of the machine. Pressure washing is not recommended. Use soapy water (dishwashing detergent or Simple Green) once each week.

## MAINTENANCE

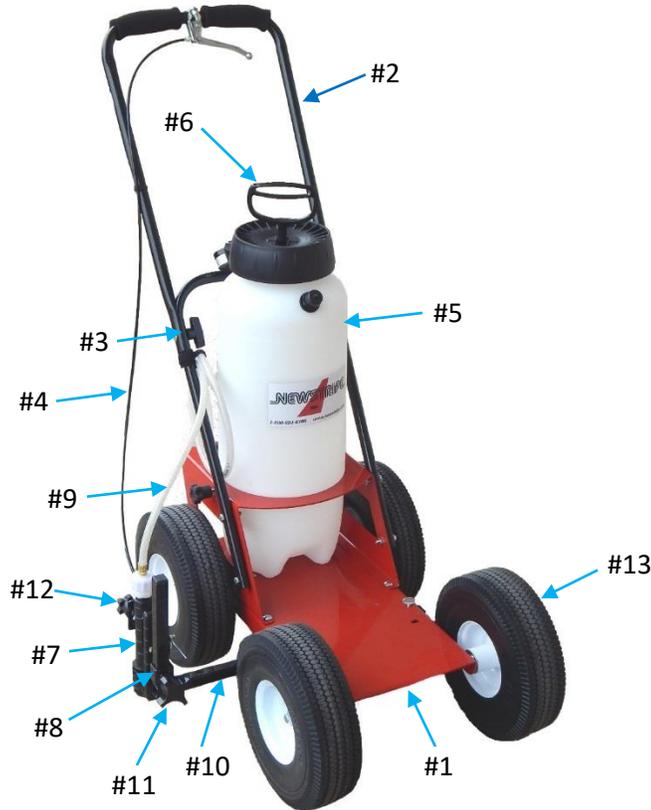
ITEM	CHECK	MAINTENANCE ACTION
Paint Tank and Lid Gasket	After every use	Clean the paint tank and lubricate the lid gasket
Hoses and Nozzle	After every use	Clean and replace as needed. Run soapy water through the system for additional cleaning
Handles	Monthly	Check handles for tightness to frame

**\*\*For additional instructions please contact Newstripe, Inc. at 800-624-6706**



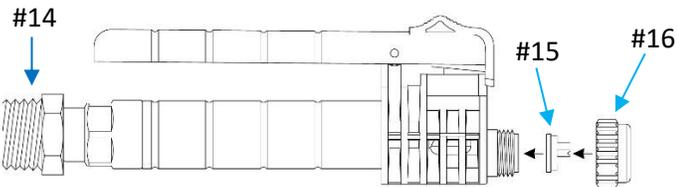
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Item	Description	Part #	Item	Description	Part #
#1	Chassis	N/A	#8	Gun Mount Assembly	10004897
#2	Handle Assembly (Includes #3 & 4)	10004909	#9	Paint Hose Assembly	10004901
#3	Wing Knob (2)	10004899	#10	Support Arm	10004894
#4	Control Cable	10002532	#11	5/16" Star Knob	10000007
#5	Paint Tank Assembly (Includes #6)	10004910	#12	1/4" Star Knob	10004843
#6	Hand Pump Assembly	10004846	#13	Wheel & Tire Assembly	10004705
#7	Spray Gun Assembly	10004839			

## SPRAY GUN ASSEMBLY



### SELECT NOZZLE FOR APPLICATION

Item	Description	Part Number
5002	2" Line	10001891
8005	4" -5" Line (Heavy Turf)	10003493
8004	4" -5" Line (Turf)	10001893
9505	5" -6" Line	10001894

Item	Description	Part #
#14	Adaptor Fitting	10004836
#15	Nozzle (Sold in 4 packs)	Select Nozzle
#16	Nozzle Cap (Sold in 4 packs)	10001890



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## TROUBLESHOOTING GUIDE

PROBLEM	REMEDY
Paint leaving the nozzle in a stream instead of a spray	<ol style="list-style-type: none"><li>1. Check the thickness of paint. Thin the paint if needed.</li><li>2. Check if the paint tank pressure is low. Re-pressurize if needed.</li></ol>
The spray is inconsistent/does not spray	<ol style="list-style-type: none"><li>1. Check the nozzle for an obstruction. Remove the nozzle to clean it, or replace it if necessary.</li><li>2. Check for an obstruction in the tank outlet. Remove the paint and clean the tank. Run 2-3 quarts of recommended solvent or water through the system. Strain the paint back into the tank.</li><li>3. The control cable may be out of adjustment. Adjust the cable so that the gun lever is properly depressed.</li><li>4. Check the strainer (inside the gun body) for an obstruction. Clean if needed.</li></ol>
The spray pattern is too narrow or too wide	<ol style="list-style-type: none"><li>1. Move the gun up to make the spray pattern wider.</li><li>2. Move the gun down to make the spray pattern narrower</li><li>3. Select a different nozzle if the above steps do not achieve the desired results.</li></ol>
The paint is too thick	Thin the paint by water at a rate of 1/4 cup per gallon (2 ounces) at a time. Cold temperatures (50-65 degrees) will require more thinning of the paint.
The pump is hard to operate	Lubricate the pump leather through hole in the pump nut where the pump rod goes through, with a few drops of oil.
Air leaks from the pump lid	<ol style="list-style-type: none"><li>1. Tighten the lid. Turn the pump D-handle clockwise until snug. <b>DO NOT OVER TIGHTEN.</b></li><li>2. Check the pump gasket for build-up, clean and lubricate the gasket or replace it if necessary.</li><li>3. The pump gasket is worn, hardened, or cracked. Replace the gasket.</li></ol>
The pump will not pressurize the tank	Check the pump gasket, pump valve, and pump leather. Disassemble the pump and inspect all of the parts. Clean and lubricate, or replace if worn.
The paint drips from the nozzle after releasing the control lever	<ol style="list-style-type: none"><li>1. Check the control cable adjustment. Adjust the cable at the spray gun mount if needed.</li><li>2. Check the spray gun to make sure it is closing properly. Clean or replace the gun if necessary.</li></ol>

Please call us! If you have any questions during setup, painting or cleaning 1-800-624-6706



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### THE NEWSTRIPE WARRANTY – 12 MONTH

NEWSTRIPE, INC., WARRANTS TO THE ORIGINAL PURCHASER, FOR 12 (TWELVE) MONTHS AFTER DATE OF PURCHASE, THAT THE EQUIPMENT\* HEREBY SOLD SHALL BE FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP. THIS WARRANTY DOES NOT EXTEND TO ANY DAMAGE OR MALFUNCTION RESULTING FROM MISUSE, NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, OR NORMAL WEAR AND TEAR.

Damage incurred in shipment from Newstripe, Inc. to the customer is the total responsibility of the carrier. The CUSTOMER MUST NOTE DAMAGES on the Bill of Lading of Trucking Company or Railroad; and Newstripe, Inc. will furnish to the customer the cost or parts and labor. The customer can then bill the common carrier for the damages by placing his signature on the documents.

The Newstripe, Inc. obligation under this warranty and any implied warranties is limited to replacement or repair of defective parts of its manufacture without charge for 12 (Twelve) months from date of purchase. For service under this warranty, buyer shall ship the defective part or parts of the equipment, transportation prepaid, to Newstripe, Inc. together with a written description of any claimed defect and proof of purchase date of the materials being returned. **Prior to retuning any part or machine, the CUSTOMER must obtain a Return Materials Authorization number. Call 1-800-624-6706.**

**\*Gasoline engines, compressors, pumps (including airless) and Transaxles are furnished with their respective manufacturer's warranties only. Such components are not covered by any warranty of Newstripe, Inc. Where Newstripe elects to extend manufacturers' warranties, the warranty shall be pro-rated as to cover 100% of the cost to replace or repair materials and parts for the first 12 months of ownership and 60% for the remaining 6 month period.**

The responsibilities described above are the only responsibilities of Newstripe, Inc. under this written warranty or any implied warranty, and may be exercised only within 12 (Twelve) months from the date of purchase. In no event shall Newstripe, Inc. be liable for incidental or consequential damages and no person had any authority to bind it to any representation or warranty, not be responsible for work done, materials furnished or repairs made by others without its' specific written authorization.

THIS WARRANTY SHALL BE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND THERE IS NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND WITH RESPECT TO THE GOODS SOLD HEREBY EXCEPT AS SET FORTH HEREIN. IT IS EXPRESSLY AGREED THAT THIS WARRANTY SHALL BE LIMITED TO THE ADJUSTMENT, REPAIR OR REPLACEMENT OF PARTS AND THE LABOR AND SERVICES REQUIRED THEREBY. IN NO EVENT, INCLUDING ANY CLAIM FOR NEGLIGENCE, SHALL NEWSTRIPE, INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Sincerely,  
**Newstripe, Inc**



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