



O'CONNELL
DRAINAGE by
LEGACY EQUIPMENT CO.



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CAUTION

Before using any Legacy Equipment Co. product, contact the National Diggers Hotline 811 (in the United States of America) or your local equivalent. A determination must be made as to where any underground gas lines, electrical lines, fiber optic or normal phone lines, or any other underground object or condition may be in the area you will be using the tile plow.

Legacy Equipment Co. is not liable for any damage or injury which may result from contact with any above ground or underground object.

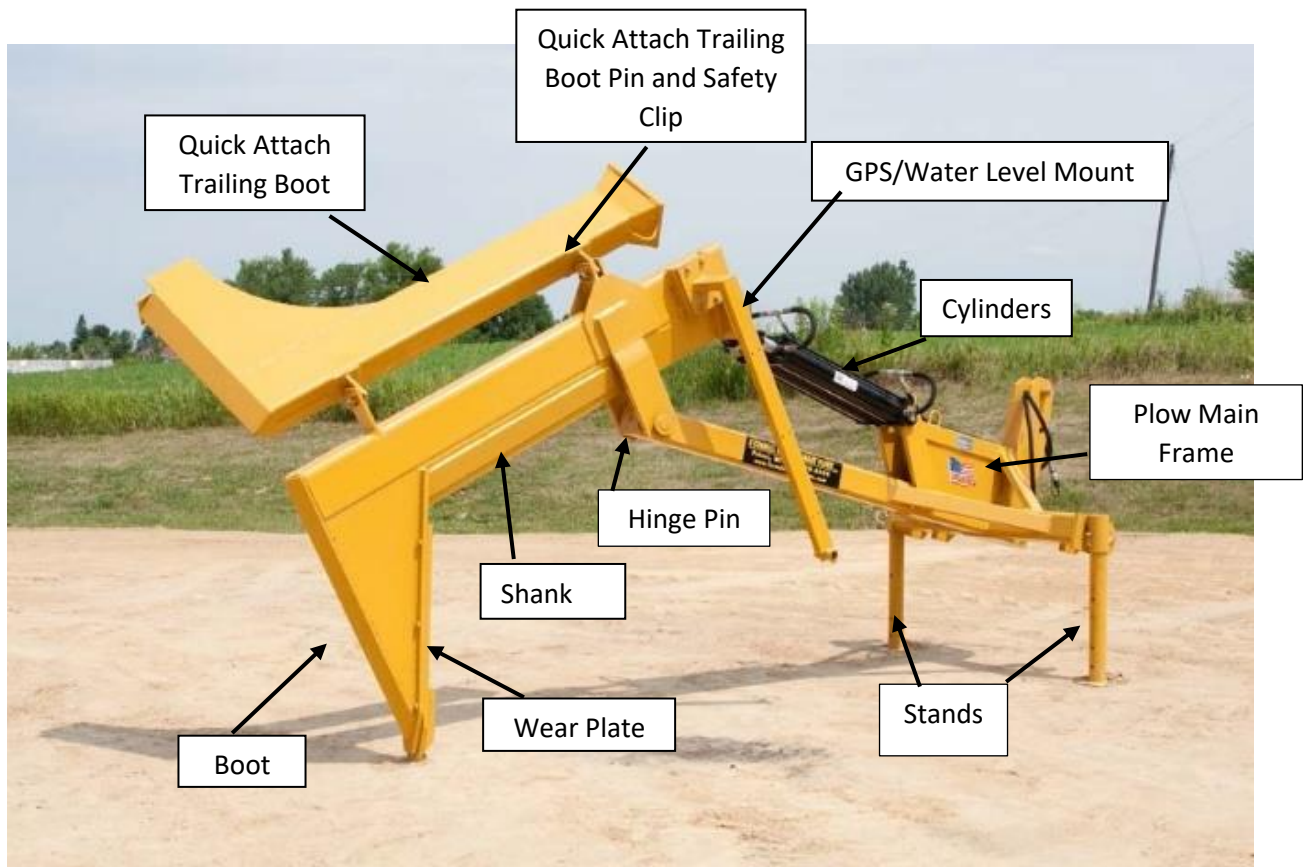


**KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.**




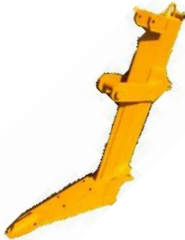


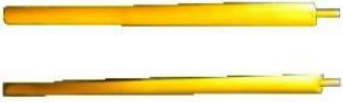




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Parts List

- 1) 1—Plow Main Frame Assembly.
- 2) 1—4” Trailing Boot
- 3) 1—Shank/Shoe Assembly with 7” wide wear plate attached.
- 4) 1—Large Hinge Pin to attach Shank to main frame.
- 5) 1—GPS/Water Level Mount
- 6) 1—Water Level
- 7) 2—Depth Control Rods with chain attached
- 8) 2—Hydraulic Cylinders
- 9) 1—Pin to connect trailing boot to shank.
- 10) 2—Stands for three-point hitch



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 <p>1 – Plow Main Frame Assembly</p>	 <p>1 – Large hinge pin to attach shank to main frame</p>
 <p>1 – 4” Trailing Boot</p>	 <p>1 – Shank Assembly with 7” wide wear plate attached</p>
 <p>1 – GPS/Water Level Mount</p>	 <p>1 – Water Level</p>
 <p>2 – Depth Control Rods with Chains Attached</p>	 <p>2 – Hydraulic Cylinders</p>
 <p>1 – Pin to connect trailing boot to shank</p>	 <p>1 – Linch Pin</p>
 <p>2 – Stands for 3-pt Hitch</p>	

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Water Level Parts List	
<p>1 – 12” Galvanized Pipe</p> 	<p>1 – Galvanized Tee</p> 
<p>2 – 24” Galvanized Pipes</p> 	<p>1 – Galvanized Plug</p> 
<p>1 – 12” Clear Tubing</p> 	<p>3 – 90* Elbows</p> 
<p>2 – Plastic Male Hose Fittings</p> 	

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Assembly Instructions

- 1) Attach the main frame of plow to 3 pt. hitch of tractor. **Do not use quick hitch.**
- 2) Attach shank to main frame with included large hinge pin.
- 3) Attach hydraulic cylinders to main frame and shank.
- 4) Attach hydraulic hoses to cylinders—cylinders hook together to work off one tractor hook up.
- 5) Attach laser/GPS mount to plow—the front of the mount should be perpendicular to the front of the shank/shoe.
- 6) Assemble the plow level.
 - a. Attach 90 degree elbow on each end of 12 inch pipe
 - b. Attach 24 inch galvanized pipes to the two 90 degree elbows.
 - c. Attach 90 degree elbow to one 24 inch galvanized pipe.
 - d. Attach middle of tee to other 24 inch galvanized pipe.
 - e. Attach male hose fitting to 90 degree elbow and tee.
 - f. Cut clear pipe to fit and attach to male hose fittings.
 - g. Fill water level with antifreeze or windshield washer fluid 1/2 way.
 - h. Attach plug to top of tee.
- 7) Attach level to machine on to laser/GPS mount using included U clamps.
- 8) Attach trailing boot to plow
 - a. Set shank as vertical as possible
 - b. Attach chain to hook point on the boot and a skid steer, forklift, or loader.
 - c. Lift Quick Attach Trailing Boot and place bottom pin of boot into bottom hole of attaching mount on shank.
 - d. Tilt boot forward so upper mount fits between upper mounts on shank and install Quick Attach Trailing Boot Pin and Safety Clip.
- 9) Attach longer depth control pipe, with attached chain, to tube on the shank. Hang chain out the same side as the GPS/Water Level Mount.
- 10) Attach the shorter depth control pipe to the GPS/Water Level Mount so the pipe does not hit the cylinders when lowering machine into tile hole.
- 11) Mark the depth chains at the desired levels by measuring from the ground up, when the plow is level, and attaching colored zip ties. The rear chain measures the depth of the heel and the forward chain measures the depth of the tip of the shoe.
- 12) The machine is now ready to use.

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Operating Instructions

1. Dig a Start Hole at the discharge point of the tile line.
2. Back up to and lower shank into start hole.
3. Lower to desired depth and feed tile through and out of the bottom of the Quick Attach Trailing Boot.
4. Level Shoe on the bottom of the hole.
5. Connect tile to main or lay it at the discharge point if not using a main.
6. Make sure the 3-pt hitch is in a float position with the lower arms horizontal, as you will use the hydraulics on the plow to tilt the plow to maintain the proper grade while raising and lowering.
7. Have someone hold the tile for the first 15-20 feet of the tile run and then the ground will hold the tile.
8. Start driving forward, optimal tiling speed is 0.8-1.25 miles per hour.
9. Use the hydraulics on the plow to tilt the shoe to raise or lower the plow to maintain the proper grade.
10. If conducting a pre-rip, start plow higher than tile discharges, do not go any closer than 12 inches where you want to lay your tile.
11. If a second pull machine is required, connect a log chain, cable, or tow rope to the second pull point on the main frame of the tile plow.
12. The proper size Quick Attach Trailing Boot should be used for laying tile.
 - a. 4" Quick Attach Trailing Boot for 3" and 4" tile
 - b. 6" Quick Attach Trailing Boot for 5" and 6" tile
13. To change the Quick Attach Trailing Boot
 - a. Attach a chain to a skid steer or loader and to the loop at the top of the boot.
 - b. Pull the upper pin connecting the Quick Attach Trailing Boot to the plow.
 - c. Lift the Quick Attach Trailing Boot away.
 - d. Attach the chain to the desired Quick Attach Trailing Boot and lift into place.
 - e. Slide lower pin into hole.
 - f. Lift bottom of Quick Attach Trailing Boot to line up hole for upper pin.
 - g. Slide in upper pin and attach safety clip.
 - h. Remove 6 bolts from wear plate and lift plate away.
 - i. Place desired wear plate on the front of the shoe and attach with the 6 bolts.
14. If you have any questions please call your local dealer or Legacy Equipment Co. at 309-369-2248.

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Notice

- While every effort has been made to ensure the accuracy of this document, Legacy Equipment Co (LEC). nor its dealers assume any responsibility for omissions or errors. Nor is any liability assumed for damages resulting from the use of information contained in this manual.
- LEC. and its dealers it shall not be responsible or liable for incidental or consequential damages; or loss of anticipated benefits or profits; or work stoppage; or loss or impairment of data arising out of the use, or inability to use any software or computer or any other components (lasers, etc.) connected to precision tile placement.
- LEC. warrants each product that it manufactures to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the product or components, not to exceed 12 consecutive months from the date of the delivery to the original purchaser. This warranty coverage applies only to the original owner and is not transferable. Under no circumstances will it cover any merchandise or components thereof, which in the opinion of the company has been subject to misuse, unauthorized modification, alterations, improper installation, maintenance, and accident or if repairs have been made with parts other than those obtained through LEC or its dealers.
- Our obligation under this warranty shall be limited to repairing at our facility or our dealerships or replacing, free of charge to the original purchaser, any part that, that in our judgment, shall show evidence of such defect, provided further that such be returned within 30 days from the date of failure to LEC routed through the dealer from whom the purchase was made, transportation charges prepaid. Proof of purchase must also accompany the returning defective part.
- This warranty shall not be interpreted to render LEC or its dealer liable for injury or damages of any kind or nature to person or property. This warranty does not extend to the loss of revenue, extra labor cost associated with downtime, substitute machinery, rental, or for any other reason.
- Except as set forth above, LEC. or its dealer shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. LEC and its dealers make no other warranty, express or implied, and specifically LEC disclaims any implied warrant or merchantability or fitness for a particular purpose. Some states or provinces do not permit limitations or exclusions of implied warranties or incidental or consequential damages, so the limitations or exclusions in this warranty may not apply.
- This warranty is subject to any existing conditions of supply, which may directly affect our ability to obtain materials or manufacturers' replacement parts.
- No one is authorized to alter, modify, or enlarge this warranty nor the exclusion, limitations, and reservations.
- Tractor manufacturers may deem tile plows as unauthorized modification, or as non-tractor manufactured parts or equipment thus voiding their Limited Warranty and Limitation of Liability Agreement for Agricultural Equipment. LEC. does not assume any tractor/dozer repair costs incurred as a result of damage during the usage of LEC tile plow or as a result of any uncovered manufacturers warranties either stated or implied. Further questions regarding your warranty should be directed to your specific tractor company.

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O'Connell Drainage by Legacy Equipment Co.



legacyequipmentco@gmail.com
309-369-2248
www.oconnelldrainsage.com

Notes: _____

O'Connell Drainage by Legacy Equipment Co.



Warranty Card

Model: _____ Purchase Date: _____

Serial #: _____ Dealer: _____

Name: _____

Address: _____

Phone #: _____

Mail to Legacy Equipment Co. within 60 days of purchase date to register your machine.

Legacy Equipment Co
29689 Lakeland Rd
Deer Creek, IL 61733