



O'CONNELL
DRAINAGE by
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55-HD Tile Plow Owner's Manual

55HD Tile Plow - Owner's Manual

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, 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.

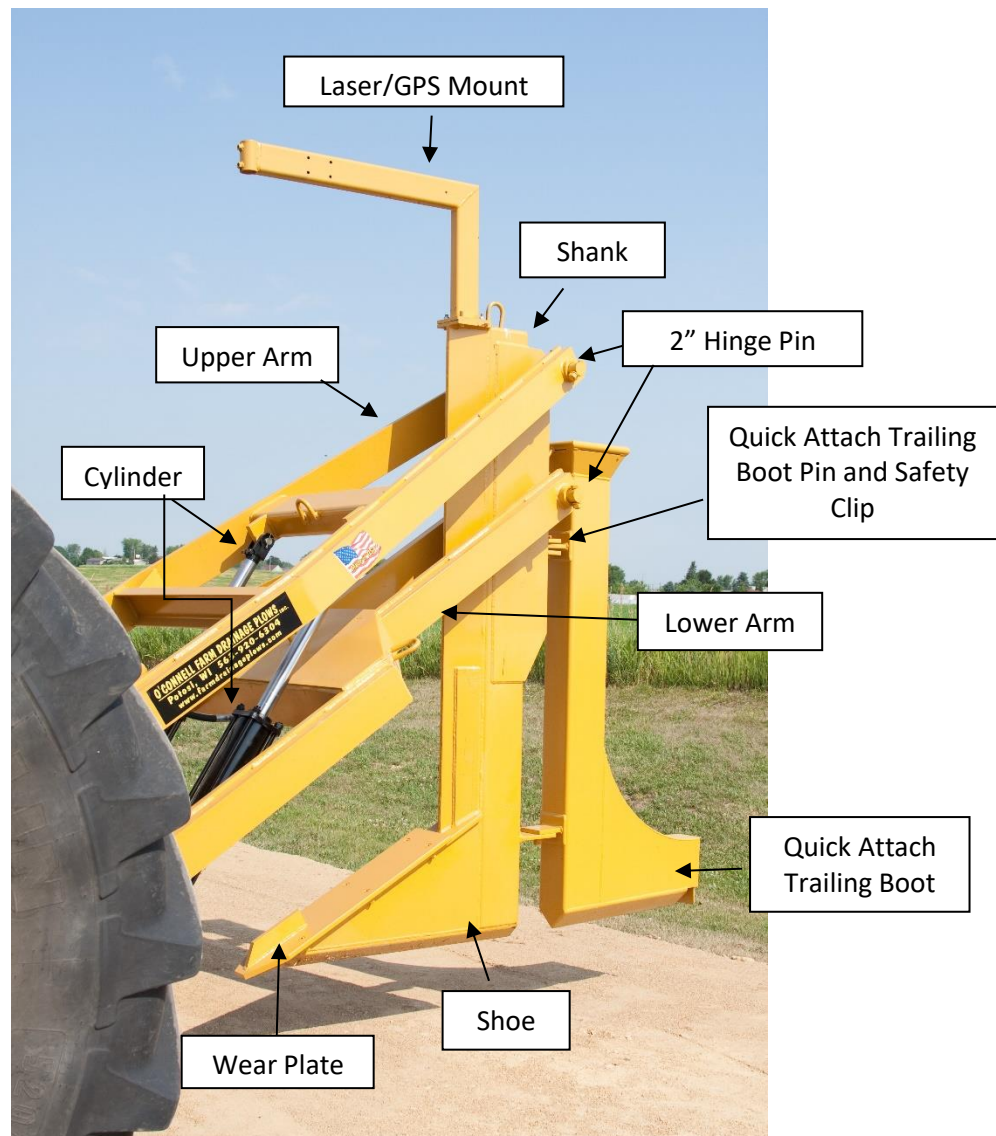


**KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.**

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55HD Tile Plow Parts List

- 1) 1- Upper Arm
- 2) 1- Lower Arm
- 3) 1- Shank
- 4) 4- 2" Hinge Pins
- 5) 1- 4" Quick Attach Trailing Boot
- 6) 1- Quick Attach Trailing Boot Pin and safety clip
- 7) 1- 7" wide wear plate
- 8) 6- 1/2"x2 1/2" beveled wear plate bolts
- 9) 2- 24" Stroke, 4" Bore, 2" Rod Cylinders
- 10) 1- Laser/GPS Mount
- 11) 1- Depth Gauge (optional)
- 12) 1- Bullpull Hitch
- 13) 1- Hitch Pin Bushing
- 14) 1- Tongue Assembly
- 15) 1- Proportioning valve mounting plate
- 16) 1- Grade Bolt
- 17) 2- Grade Bolt Nuts
- 18) 2- Walking Tandem Assemblies
- 19) 4- 425/65x22.5 Tire and rim assemblies (on pull type only)
- 20) 3- Dolly to plow pins and safety clips



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55-HD Pull Type Setup Instructions

- 1) Check the machine to make sure the walking tandems are facing away from the plow assembly. If not:
 - a. Place a jack under the main frame assembly close to one side and jack the machine up until the wheels are off the ground.
 - b. Place a jack stand or something to secure the machine while in the air.
 - c. Attach a chain to the hook point on the Walking Tandem and a skid steer, forklift or loader.
 - d. Remove the bolt from the Walking Tandem Collar Assembly.
 - e. Remove the Walking Tandem Collar.
 - f. Slide the Walking Tandem off the axle and turn around.
 - g. Slide back onto the axle, place the Walking Tandem Collar on the axle.
 - h. Place bolt through hole and tighten nut.
 - i. Remove chain and lower machine.
 - j. Repeat on other side if needed.
- 2) Check the air pressure in the tires, it should be 70 psi.
- 3) Set the tongue parallel to the ground, using the Bullpull Bushing and shim the Bull Pull Hitch tight in the clevis of the tractor.
- 4) Adjust the base of the shoe to be horizontal with the lay of the land while the machine is operating in the soil using the grade bolt connecting the dolly to the plow assembly.
- 5) Initially, set the tip of the shoe to approximately 1-2 inches higher than the heel of the shoe. This will make the adjustment minimal when in the field.
- 6) Attach the proper sized Quick Attach Trailing Boot. 4" boot for 3" or 4" tile.
- 7) Conduct a minimum of 2 pre-rips with the machine to fine tune the grade bolt.
- 8) Once the 55HD tile plow is set properly, no other adjustments should need to be made for the pitch of the boot unless a different pulling tractor is used, then minor adjustments may be required.

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55-HD Pull Type 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) Connect tile to main or lay it at the discharge point if not using a main.
- 5) Have someone hold the tile for the first 15-20 feet of the tile run and then the ground will hold the tile.
- 6) Start driving forward, optimal tiling speed is 0.8-1.25 miles per hour.
- 7) Use the hydraulics on the plow to raise or lower the plow to maintain the proper grade.
- 8) If conducting a pre-rip, start plow higher than tile discharges, do not go any closer than 6 inches where you want to lay your tile.
- 9) 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.
- 10) 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
 - c. 8" Quick Attach Trailing Boot for 8" tile
- 11) 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.

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Notice

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- LEC and its dealers 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, 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.