



O'CONNELL
DRAINAGE by
LEGACY EQUIPMENT CO.

legacyequipmentco@gmail.com

309-369-2248

www.legacyequipmentco.com



70DL Tile Plow Owner's Manual

70DL 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.**

70DL Tile Plow - Owner's Manual

70DL Tile Plow Parts List

- Upper Arm
- Lower Arm
- Shank
- 3.5" Hinge Pins
- 4" Quick Attach Trailing Boot
- 6" Quick Attach Trailing Boot
- 8" Quick Attach Trailing Boot
- 10" Quick Attach Trailing Boot
- 12" Quick Attach Trailing Boot
- Pin and safety clip
- 8" wide wear plate
- 11" wide wear plate
- 1/2" x 3 1/2" beveled wear plate bolts
- Elevation Cylinders
- Laser/GPS Mount
- Depth Gauge
- Pitch Gauge
- Bullpull Hitch
- Tongue Assembly
- Proportioning valve mounting plate
- Slope Cylinders
- Waling Tandem Assemblies
- 425/65x22.5 tire and rim assemblies
- Elevation Hydraulic Hoses
- Slope Hydraulic Hoses
- Tow Point

70DL Tile Plow - Owner's Manual

70DL Tile Plow 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 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, moving the Bullpull up or down if needed, and shim the Bull Pull Hitch tight in the clevis of the tractor.
 - a. You must use the provided spacer in the top of the Bullpull Hitch. Failure to do so voids warranty on the Bullpull.
- 4) Set the Depth Gauge
 - a. Lower the shank to the ground
 - b. Move the depth gauge so the pointer is aligned with the GROUND when viewing from the tractor.
- 5) Set the Pitch Gauge
 - a. Place a magnetic protractor on the ground, not the degrees from 90 degrees.
 - b. Place a 4" x 4" block under the heel of the shank.
 - c. Lower the shank onto the block until the plow transfers weight onto the hitch of the tractor.
 - d. Place the magnetic protractor onto the back of the shank.
 - e. Extend or retract the slope bylinders until the magnetic protractor reads the same degrees as the walking tandems.
 - f. Move the pitch gauge so it reads 90 degrees from the tractor.
- 6) Attach the proper sized Quick Attach Trailing Boot. 4" boot for 3" or 4" tile, 6" boot for 5" or 6" tile, 8" boot for 8" tile, 10" boot for 10" tile or 12" boot for 12" tile.

70DL Tile Plow - Owner's Manual

70DL Tile Plow - 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) Change the slope so the pitch gauge reads 90 degrees.
- 4) Lower to desired depth and feed tile through and out of the bottom of the Quick Attach Trailing Boot.
- 5) Pull the plow into the beginning of the run until the soil is almost to the back of the shank.
- 6) Connect tile to main or lay it at the discharge point if not using a main.
- 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 raise or lower the plow to maintain the proper grade. GPS or Laser Grade control is preferable.
- 10) 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.
- 11) If a second pull machine is required, connect a log chain, cable, or tow rope to the tow hook on the tongue 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
 - c. 8" Quick Attach Trailing Boot for 8" tile
 - d. 10" Quick Attach Trailing Boot for 10" tile
 - e. 12" Quick Attach Trailing Boot for 12" 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 8 bolts from wear plate and lift plate away.
 - i. Place desired wear plate on the front of the shoe and attach with the 8 bolts.

70DL Tile Plow - Owner's Manual

Notice

- While every effort has been made to ensure the accuracy of this document, Legacy Equipment Co. (LEC) nor its dealers assumes 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 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 or 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.