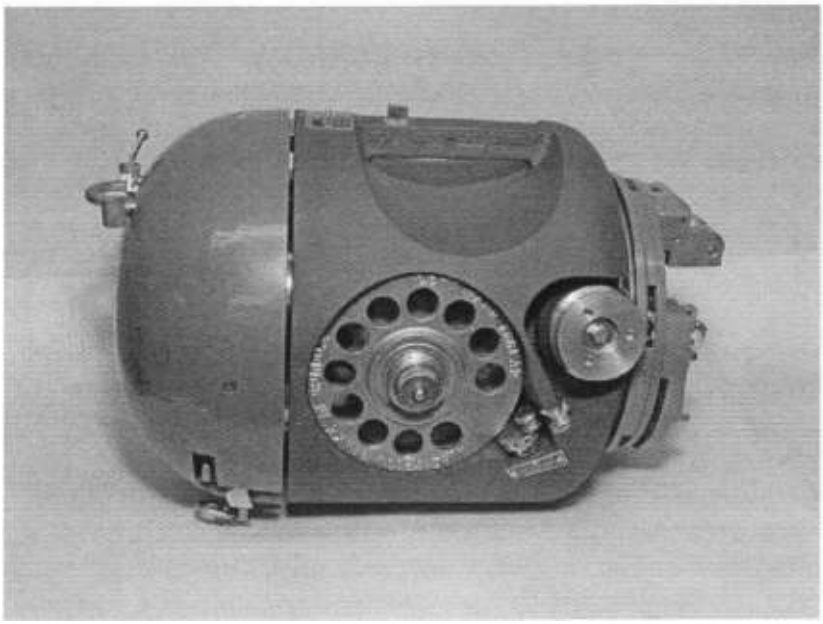
DCD Design & Manufacturing Ltd.

CABLE INSTALLATION TOOLS | ENGINEERING SOLUTIONS | DIRECTIONAL DRILLING ACCESSORIES

Model “K” (400)
Part #: 61500-000
Pull Type Cable Lasher
Operating Instructions



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Form: FGA-004
Rev. 02 Date: 02/16/04

Specifications:

Lasher Weight: 40 lbs
Shipping Weight: approximately 75 lbs (shipped in storage chest)
Dimensions: 19” long x 12” wide x 12” high
Capacity:
• Single cable – 3 ½” OD maximum
• Multiple cables – not to exceed 4 5/8” OD as a bundle
Capabilities: The Model “K” (400) lasher single or double lashes, without strand traction. It is compatible with all sizes and types of standard lashing wire. A straight hub is standard on the Model “K” (400). Double lashing provides a support every 6 3/4”, while single lashing provides a support every 13”.

General In formation:

This is the DCD Design Model “K” (400) pull type cable lasher (part #: 61500-000) – the lasher that single or double lashes one or more cables. It weighs just three pounds more than lashers with less capacity and features adjustable wire tension rollers for an even lash. The Model “K” (400) operates without strand traction: a plus when overlashing. An on-the-front ratchet strand roller prevents the Model “K” (400) from accidentally backing up on the strand when the pulling tension is released.

This lasher is a piece of precision equipment. Treat it as such. Keep the lasher, operating manual and accessories in the protective storage chest after use. This measure will prolong the useful life of your lasher.

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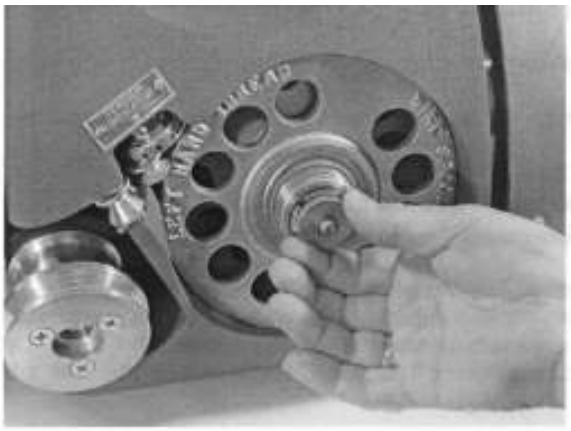
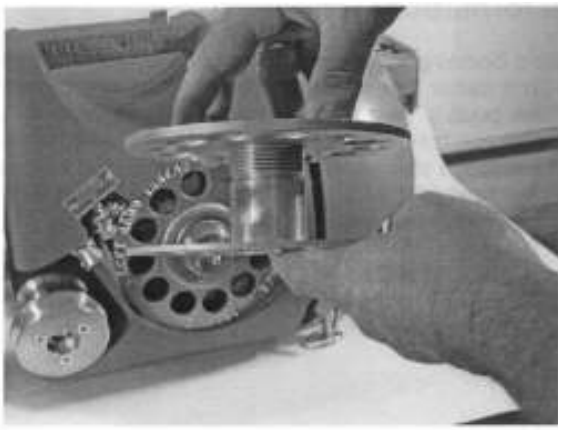
1. Loading the Wire Spools on the Lasher

The Model “K” (400) is shipped with a standard straight hub for standard size coils of lashing wire. To load, proceed as follows:

a. Remove wire spool from the machine by turning the knurled knob in the center of the wire spool spindle to the left.



b. Remove the wire spool flange by turning clockwise.



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c. Remove two coil ties from the wire coil. Place the coil on the hub so free end pays out counterclockwise. Replace flange loosely on the hub. Remove the remaining coil ties from the wire coil. Tighten flange by hand as tight as possible so that coil won't turn on hub.

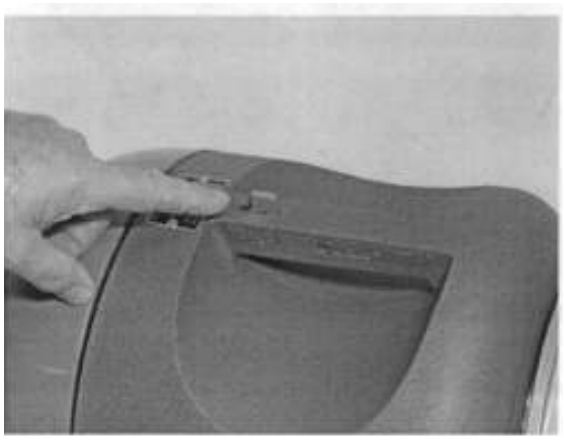
d. Tighten knurled knob by turning to the right.. Make sure wire spool is all the way down on the spindle before tightening.

Note: Use two coils of wire on the machine **at all times to help balance the machine during use.

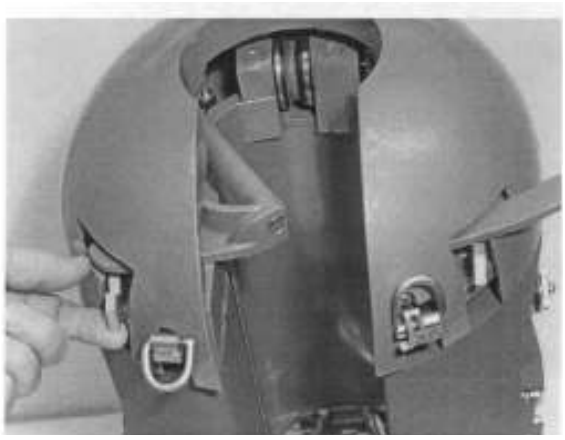
You are now ready to move to the next section.

2. Putting the Model "K" (400) Lasher on the Strand

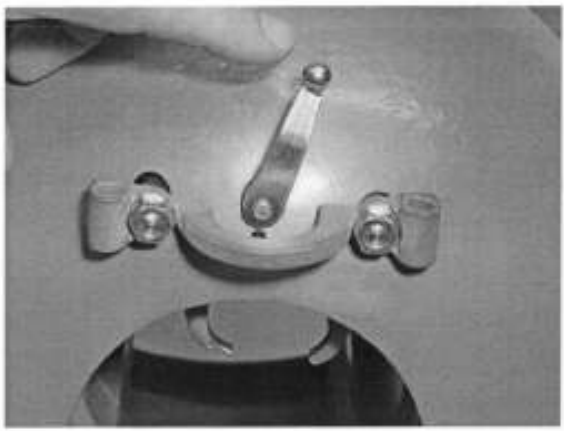
a. The silver trigger should protrude through the handle. (This indicates that the rotating drum is in the locked position.)



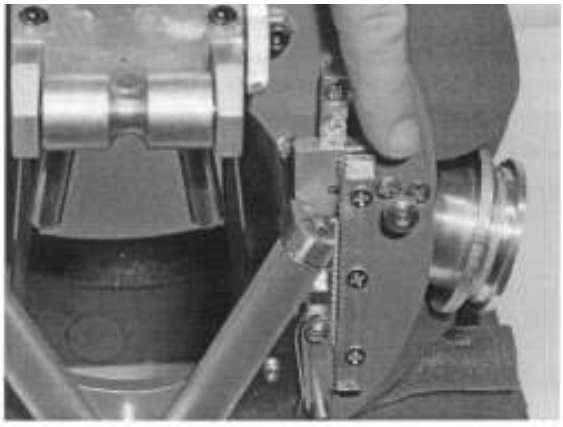
b. Open cable-raising rollers / front gate at the front of the lasher by pulling forward on the two levers near the pulling ring apparatus.



c. Open strand lock by moving lever, located at the upper front center of the machine, to the left.



d. Open rear cable placing gate by pressing the button on the right side of the rear gate. (The gate will lock open automatically when it swings open.)



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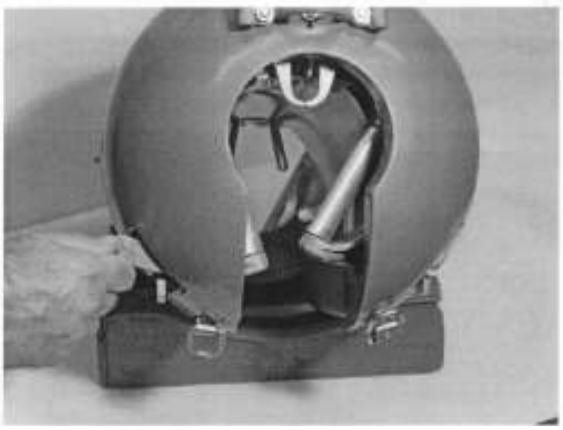
e. Place lasher on strand and close strand lock by moving lever, located at the upper front center of the machine, to the right.

f. Place cable inside machine and close front cable placing rollers by pushing in on each until it snaps into place supporting the cable.



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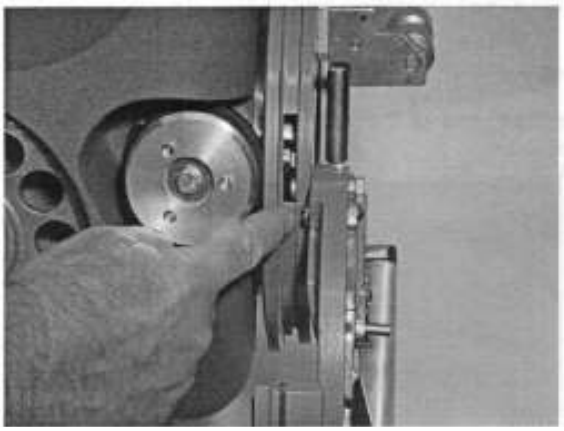
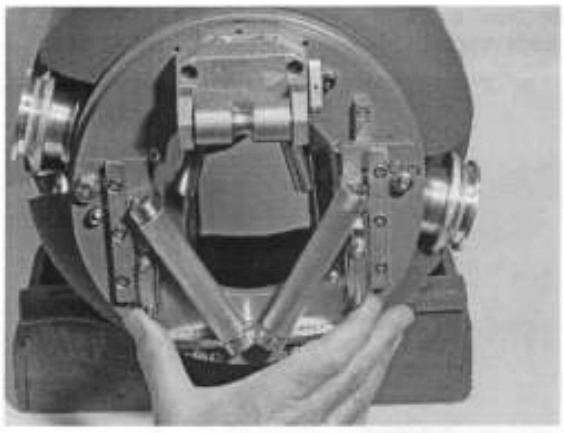
g. Close rear gate around cables by releasing the hold open lock. (Reach in front of the open gate at left of machine and push plunger to the rear. The gate will release. When closed, the gate locks automatically.)



h. Attach pulling harness and tow rope.

Cables must be held approximately in the center of the opening. Center them by raising or lowering the rear cable-placing roller. To raise, force pins upward. To lower, squeeze pins on either side of the rollers. The roller will drop.



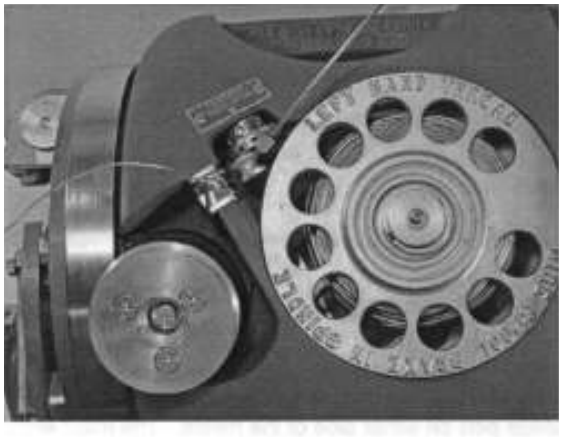
You are now ready to thread the lashing wire you previously loaded in step one.

3. Threading the Lashing Wire

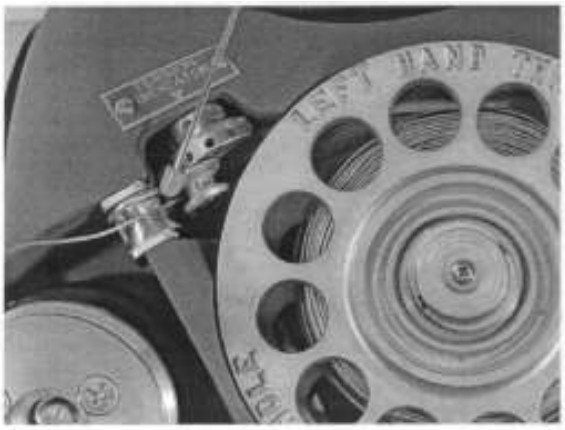
You have loaded the lashing wire and placed the lasher on the strand. Now you are ready to thread the lashing wire as your last step to lashing.

Single lashing

a. Take “free” end of the lashing wire in hand where it comes off the spool.



b. Thread “free” end under wire tension adjustment roller and then **over** wire guide roller.



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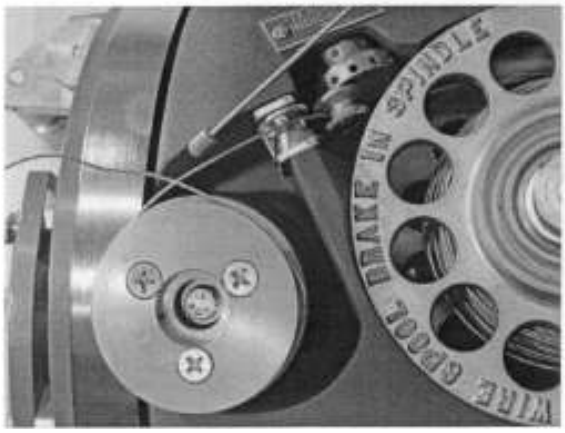
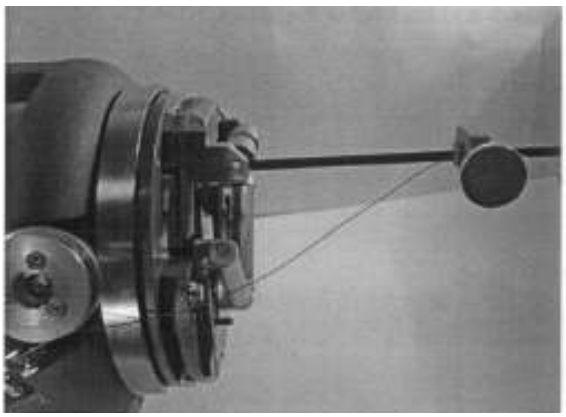
c. Form a loop and pass the “free” end behind the loop. Secure the “free” end to the strand with a temporary lashing wire clamp (part #: 62540-000) 6 1/2” behind the lasher.

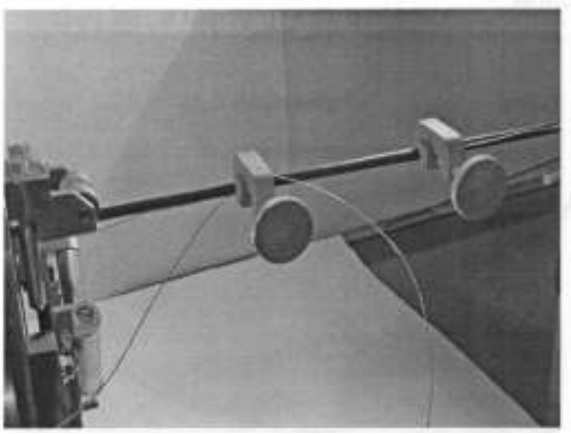


Double lashing

a. Face the same direction the lasher is to travel. From the left hand wire spool, pull out the length of wire needed for termination. Bring this wire straight over to the strand and clamp at least 12” – 18” behind lasher.

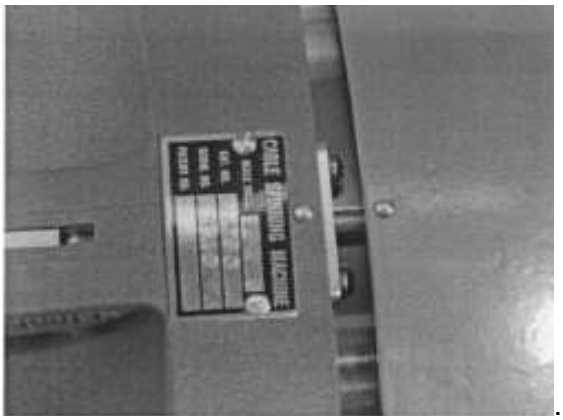


b. From the right hand spool, pull out about the same length of wire. Pass it **under** the cable and attach 6 ½" behind the front lashing wire clamp



4. Adjusting the Tension on Lashing Wire

a. When double lashing, tension must be equal on **both** wires. Be sure tension settings are the same on each side. Before adjusting tension, "lock" the rotating drum by lining up the beads on the drum and the front of the machine.



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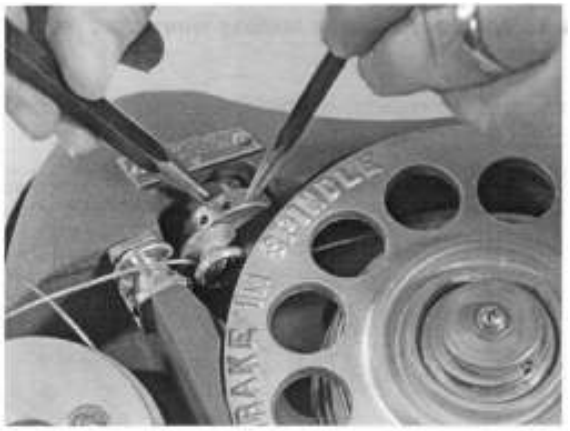
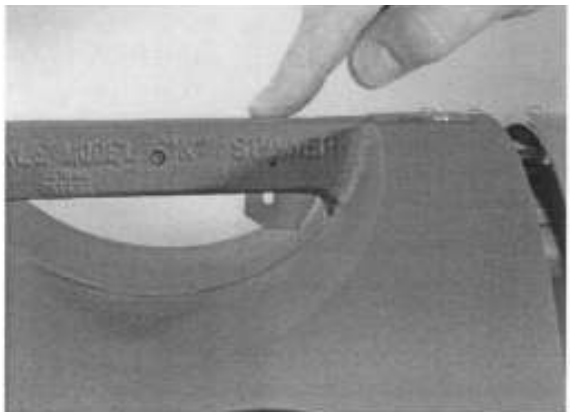
b. Release the tension adjustment lock nut by inserting the large adjustment pin in the lock nut and turning counterclockwise. When lock nut is loosened, the tension adjustment roller will move. Using the small adjustment pin to move the roller, move “down” for more tension, and “up” for less tension. Be sure the tension settings are the same for both payout reels. (Settings may be on the numbers or between the numbers.) The smaller the lashing wire - use more tension. The larger the lashing wire - use less tension.



c. Unlock rotating drum by pushing trigger through red handle. The anti-backup ratchet is engaged automatically when machine is pulled forward or standing idle on strand. This keeps the lasher from backing up when pulling tension is released. You are now ready to lash.



5. Troubleshooting

If lashing wire won't pay out: This indicates the wire isn't threaded properly. Refer to "Threading the Lashing Wire" in section 3.

If wire jumps off payout wheel: This too indicates the lashing wire is improperly threaded. Refer to "Threading the Lashing Wire" in section 3.

If lasher draws back and loosens lashing wire: Just pull lasher forward. The wire will tighten.

If you need any parts or repairs: contact

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