

# **INSTRUCTIONS FOR INSTALLING HERD OPTIONAL HYDRAULIC KIT 1000 FOR REMOTE CONTROL ON HERD BROADCASTER MODELS 1200C & 750**

## **PREPARING BROADCASTER (1200C OR 750) FOR INSTALLATION OF 1000 KIT**

1. See Fig. 1: To remove control handle:
  - A. Remove tension spring on handle by loosening eyebolt on spring.
  - B. Remove bolt that runs through opening plate linkage and handle linkage.
  - C. Remove 5/16" bolt that bolts handle to broadcaster.  
Rock handle down and out to remove.
2. Remove sheet metal screw that holds fan guard to 2" tubing.  
Rock down shield.
3. Remove seed gauge by removing seed gauge bolt. Grasp seed opening linkage and pull out linkage and plate.
4. Remove 1/4" X 3/8" hexhead capscrew from bottom of base plate and replace on top side. It is not used to 'stop' opening plate on hydraulic controls.



Figure 1

## **TO INSTALL HYDRAULIC 1000 KIT**

1. See Fig. 2: Using 5/8" bolt furnished, bolt frame through handle opening on 2 X 2 angle, or 5/8" drilled hole on Model 750 or 1200C broadcaster, as shown in photo.
2. Place "L" bracket over one end of push-pull cable by removing 3/4" nut and washer on push-pull cable: Also unscrew clevis with opening plate attached, if it has been installed at factory. Slide "L" bracket over cable and replace washer and nut. "L" bracket is #6 on parts breakdown.
3. Place in approximate center position of threads but do not tighten.
4. Install opening plate and clevis on end of push-pull cable; run in until five-eighths (5/8) of an inch threads show at back of clevis.
5. Slide opening plate in guides with spacer on clevis on top side, in groove of base plate. Bolt "L" plate above base plate, using four 1/4" X 3/4" hexhead capscrews and tighten evenly. (If this is not done, opening plate will bind and catch on fan guard.)
6. Tighten 3/4" nut on cable, raise shield and reinstall sheet metal screw.
7. Remove clevis and 3/4" nut and washer from other end of cable. Install through "L" bracket on main frame as shown in photo, and replace washer and nut, with "L" bracket centered in threads on cable.
8. Hook long hook of spring into clevis. Fasten other coil end of spring onto "L" bracket. This spring holds tension in push-pull cable, for more accurate setting for small seeds. After installing spring, check opening that is barely closed. If not, adjust.
9. Using measuring tape or yardstick, measure 28-1/4" from center to center, or install cylinder with 8" stroke and extend cylinder shaft full 8". This will be your 'closed' position on unit. Reinstall clevis and adjust clevis so that opening is just closed. (Care should be taken at this point that everything works freely. It is best to 'rock' the rocker-arm by hand, rather than using the cylinder, to be sure everything operates easily.)
10. Do not over-pull or over-push cable!
11. Secure base plate to base of hopper by tightening four (4) 1/2" X 3" capscrews, two on each side. Set base plate on No. 3-1/2.



Figure 2

**TO INSTALL GAUGE SETTING DECAL 100:**

1. Replace cylinder and rock cylinder shaft fully open and mark opening point on hopper.
2. Retract cylinder shaft and mark point on hopper.
3. Measure the distance between points and mark the center at top edge of hopper.
4. Place decal on hopper using center mark, which is 1" on decal. Top of decal should be approximately 1/2" from top of hopper.

**TO OPERATE:**

1. Set depth-block on cylinder shaft for opening. (4" of shaft movement equals 1" of opening movement and will show equal amount on gauge setting chart. 2" of shaft movement equals 1/2" of opening movement or 1" of shaft movement equals 1/4" of opening movement.)
2. You are now ready to operate your broadcast spreader remotely from the tractor seat.



**PARTS IN HYDRAULIC KIT 1000**

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>NO. REQ.</u>
1.	100	Opening chart decal. . . . .	1
2.	1002	Opening control arm assembly with 14 Ga. Pointer and opening bracket attached. . . . .	1
3.	1003	1" pin that 'pins' opening control arm to main frame. . . . .	1
4.	1004	3" hairpin cotter for 1" pin #1003. . . . .	1
5.	1006	5/8" X 3" hexhead cap screw w/nut & washer. . . . .	1
6.	1007	"L" bracket used to fasten cable #1148 to base plate of broadcaster. . . . .	1
7.	1008	1/4" X 3/4" hexhead cap screw. . . . .	4
8.	1009	Main frame assembly. . . . .	1
9.	1010	Opening plate with clevis, 5/16" X 3/4" spring pin and 5/16" drilled nut-spacer. . . . .	1
10.	1024	Opening plate only of #1010. . . . .	1
11.	1025	Clevis, spring pin & spacer only of #1010. . . . .	1
12.	1112	Clevis for upper gauge-end of cable, complete with 1-14" hairpin cotter #1115 & clevis pin. . . . .	1
13.	1115	1-1/4" hairpin cotter - used in pivot terminal clevis pin. . . . .	1
14.	1124	Pull-spring - runs from "L" bracket to clevis. . . . .	1
15.	1148	48" push-pull cable, including 4 nuts & 4 washers (*). . . . .	1

(\*-Warranted against defects only)

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