



7000ELD / 7000GL

Installation Instructions

STEP #1

Required Parts:

7000ELD & 7000GL

QTY	Description
1	Extruded Rollerbar Assy. (2365)
1	Wind Deflector (two-piece) (1647)

7000ELD ONLY

QTY	Description
1	Bearing Plate (3270)
1	Motor (61L)
1	Roll Wire (89)
1	Rotary Switch Kit (85N)
1	Bearing Plate w/ 3/4" Bearing (3678)
1	Solenoid Switch Kit (<i>Optional</i>) (1495)

7000GL ONLY

QTY	Description
1	3/4" Extension Shaft w/ Sprocket (2403)
1	GL Control Box (780/1609)
1	Chain Guard, Upper (790)
1	Chain Guard, Lower (791)
2	Bearing Plate w/ 3/4" Bearing (3678)
3	Chain Guard Bracket (1412)

Before beginning installation:

- 1) Check parts bags for correct contents. Contact your dealer if parts are missing. **THE LAST PAGE CONTAINS THE REFERENCE GUIDE FOR THE HARDWARE YOU WILL NEED TO INSTALL YOUR SYSTEM.**
- 2) Read through instructions for entire system to get a general idea of how each component is mounted and how the components fit together.

7000ELD ONLY

Choosing the Mounting Location

In general, the rollerbar should be mounted on top of the cab shield and as far forward as possible so that the pivot arms will be less likely to be damaged by loaders. If head assembly is mounted too far forward, however, the pivot arms may interfere with the truck doors.

Exceptions: Trucks with vertical stacks. Vertical stacks may be in the way of the pivot arms if the rollerbar were to be mounted forward of the stack(s). Simply shortening or re-aligning the stack(s) may solve the problem. If the stack(s) still get in the way, it may be necessary to mount the rollerbar to the rear of the stack(s). If there is not room to mount the rollerbar on the cab shield behind the stacks, it will need to be mounted on top of the side board pockets to the front of the body.

Installing the Bearing Plates (Optional)

- 1) Once the mounting location has been determined, you may either install the included bearing plates using the 3/8" x 1-1/2" bolts, flat washer, and lock nuts, or use the bearing plates as templates to drill the necessary mounting holes into the cab shield sides or other suitable location.
- 2) If you chose to use the bearing plates as templates and mount directly to the cab shield, remove the 3/4" bearing from both bearing plates and bolt them in place on the cab shield. **Note:** The bearing plates or cab shield holes should be exactly opposite of each other to avoid the tarp bunching to one side during use.
- 3) Be sure there is enough clearance between the rollerbar and the cab shield to roll-up the entire tarp.

Installing the Wind Deflector (Optional)

Install the wind deflector halves to the cab shield using the 3/8 x 1-1/2" bolts, flat washers & lock nuts. Mount the wind deflector forward of the rollerbar allowing enough space between the wind deflector and the rollerbar for the tarp when it is fully rolled up. One or both halves may need cutting to fit the width of the cab shield. It may also be necessary to cut notches in the wind deflector for the cab shield support braces.

Mounting the Direct Drive Motor and Rollerbar

- 1) Mount the DD motor to the bearing plate or cab shield.
- 2) Measure from the inside of one bearing plate to the inside of the other. Cut the end of roller bar, without the pre-drilled hole, one inch shorter than this length.

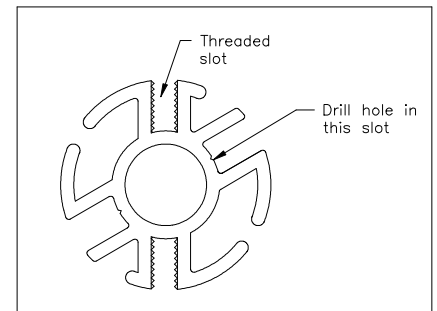


FIGURE 1

- 3) Drill a 3/8" hole, 1/2" from each the end of the rollerbar you just cut. Start the hole in one of the smooth-sided slots, **not** a threaded slot (see Figure 1 on previous page). Slide one end of the rollerbar over the DD motor output shaft and secure with a 5/16" carriage bolt, washer, and lock nut.
- 4) Slide the extension shaft through the bearing plate and into the roller bar. Line up the holes in the roller bar with the hole in the extension shaft and secure with the 5/16 carriage bolt, washer, and lock nut.

Wiring the Motor

Follow the instructions supplied with your electrical switch kit.

7000GL ONLY

Mounting the GL Control Box

- 1) Determine suitable position for mounting GL control box to front driver's side of body. Keep in mind that the top sprocket and bottom sprocket must align vertically without any obstacles to obstruct movement of the chain or crank handle.
- 2) Mount control box to side wall of body using 3/8" x 1 1/2" bolts, lock nuts, and flat washers.

Mounting the Rollerbar, Sprocket Shaft and Chain

- 5) Measure from the inside of one bearing plate to the inside of the other. Cut end of roller bar, without pre-drilled hole, one inch shorter than this length.
- 6) Drill a 5/16" hole, 1/2" from the end of the rollerbar that you just cut. Start the hole in one of the smooth-sided slots, **not** a threaded slot (see Figure 1).
- 7) Slide the extension shaft through the curb-side bearing plate and into the roller bar. Line up the holes in the roller bar with the hole in the extension shaft and secure with the 5/16" carriage bolt, flat washer, and lock nut.
- 8) Install a 3/4" shaft collar onto the extension shaft on the outside of the 3/4" bearing to prevent lateral movement of the roller bar.
- 9) Slide the 3/4" shaft collar on the extension shaft with the sprocket and then slide the extension shaft through the bearing plate and into the roller bar. Align the sprocket by sliding the shaft into or out of the rollerbar such that when the chain is installed, it is going straight up from the control box to rollerbar sprocket. Tighten shaft collar set screw.
- 10) Using the hole you drilled in step 2 as a guide, drill a 5/16" hole through the sprocket shaft. Secure the shaft to the rollerbar using a 5/16" x 2 1/2" carriage bolt, flat washer, and lock nut.
- 11) Assemble chain around top and bottom sprocket, removing unnecessary links as needed to adjust chain length. Once desired length and tension are achieved, fasten chain together using included master chain link.

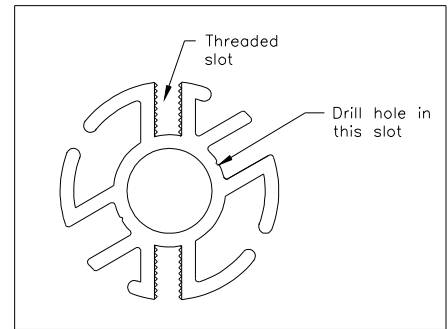


FIGURE 1

Installing the Chain Guard

- 1) Entire chain guard assembly can be welded together and to truck. If welding skip the rest of this section. If bolting, proceed to step 2.
- 2) Mount chain guard by overlapping upper chain guard over lower chain guard and attaching them together using 3/8" x 1/2" bolts, lock nuts, and six 1/4" self drilling screws
- 3) Lower chain guard attaches to control box with 1/4" by 1/2" bolts and lock washers.
- 4) Secure chain guard to truck body with chain guard brackets using the 1/4" self-drilling screws (2 per bracket).

7000ELD

Pivot Arm Installation Instructions

STEP #3

Contents of Kit:

2	Upper Pivot Arms	1	Rear Cross Piece (RCP)
2	Pivot Arm Rests	2	Lower Pivot Arms

Installing the Pivot Arms

- 1) Assemble the lower arm unit using the included pivot mount washers, torsion springs, bearings, and cotter pins as shown previously in figure 2.
- 2) Slide one of the upper pivot arms into a lower arm. Adjust the arm length until the corner rests on the desired landing point at the back of the box and at the head assembly (See figure 4). If the upper arm is too long, cut both upper arms to allow at least 2 feet of upper pivot arm sticking into the lower pivot arm.
- 3) Slide the other upper pivot arm into the lower pivot arm (make sure that both arms end up the same length).
- 4) Drill one 1/4" hole through each lower arm where the upper and lower arms overlap. Secure the upper and lower arms using the cotter pins included in the hardware kit.

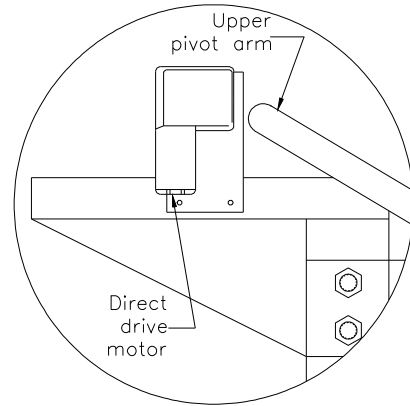


FIGURE 4

- 5) Measure the distance between the upper arms as in Figure 5. Cut one end of the rear cross piece 4" shorter than the distance measured as Dimension "A" in Figure 5.
- 6) Slide the ends of the rear cross piece (RCP) into the upper pivot arm ends.
- 7) Drill a 1/4" hole through each end of the rear cross piece and upper arm bends to allow the RCP to be secured after tarp installation.

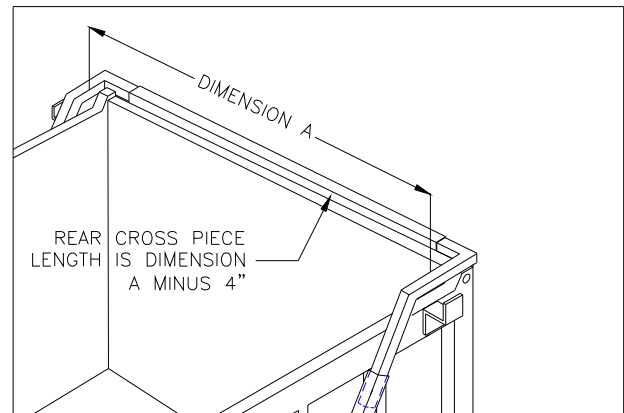


FIGURE 5

Installing the Tarp

- 1) In order to ensure your system is aligned as desired and to determine the mounting position of the pivot arm rests, it is recommended to install the tarp at this time.
- 2) Thread the tarp spline into the aluminum rollerbar. (Make sure to remove excess spline or it may hinder the system's operation).
- 3) Thread the tarp pocket (sewn into the tarp) onto the RCP.
- 4) Center the tarp on both aluminum roller bar and rear cross piece.
- 5) Cotter pin the Rear Cross Piece back on to the 90° bend in the upper arm.
- 6) Check all mechanism bolts and screws for security.

Installing the Pivot Arm Rests

- 1) Unwind the tarp so that the system is in the "covered" configuration.
- 2) Position the pivot arm rests so that upper arms rest evenly and do not make contact with the tailgate or any other part of the dump body.
- 3) Weld or bolt pivot arm rests into place.

7000 ELD Hardware Kit

Description	QTY	Part#
<u>Bearing Plate Mounting hardware</u>		
3/8" x 1-1/2" Bolt	4	2464
3/8" Lock nut	4	2874
3/8" Flat washer	4	2875
<u>Wind deflector hardware</u>		
3/8" x 1-1/2" Bolt	4	2464
3/8" Lock nut	4	2874
3/8" Flat washer	8	2875
<u>Rear Cross Piece to Arms hardware</u>		
1/4" x 3" Cotter pins	2	2475
<u>Upper Arm to Lower Arm hardware</u>		
1/4" x 3" Cotter pins	2	2475
<u>Pivot Mount hardware</u>		
1" Oil impregnated bearing	2	1665
1/4" x 3" Cotter pins	2	2475
1" Flat washer (2-1/2" OD)	4	182
<u>Rollerbar hardware</u>		
5/16" Lock nuts	2	2868
5/16" x 2-1/2" Carriage bolt	2	373
5/16" Flat washer	2	2867
<u>Switch Kit hardware</u>		
#10 Sheet metal screws	2	2476
1/4" Washer	2	2457
<u>Motor and Cover hardware</u>		
5/16" x 3/4" Bolt	3	2418
"U" Nuts	5	3708
#8 Sheet metal screw	5	3709

Any Questions?????.....Call us @ 1-800-327-8287