

INSTALLATION INSTRUCTIONS

IP ROLLER - K STYLE

c/w ROUND CAPS

BY



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TOOLS REQUIRED FOR ASSEMBLY

1. Robinson screwdriver
2. 7/16" combination wrench
3. 1/2" Combination wrench x 2
4. 9/16" Combination wrench
5. Tape Measure
6. Clamps x 2
7. Hammer
8. 3/8" Power Hand Drill
9. 3/16" Drill Bit
10. 9/64" Drill Bit
11. 1/4" Drill Bit
12. 5/16" drill bit
13. Hacksaw

NOTE: The pipe for all units over 20' in length is shipped in two pieces. A welder will be required to join the long parts together.

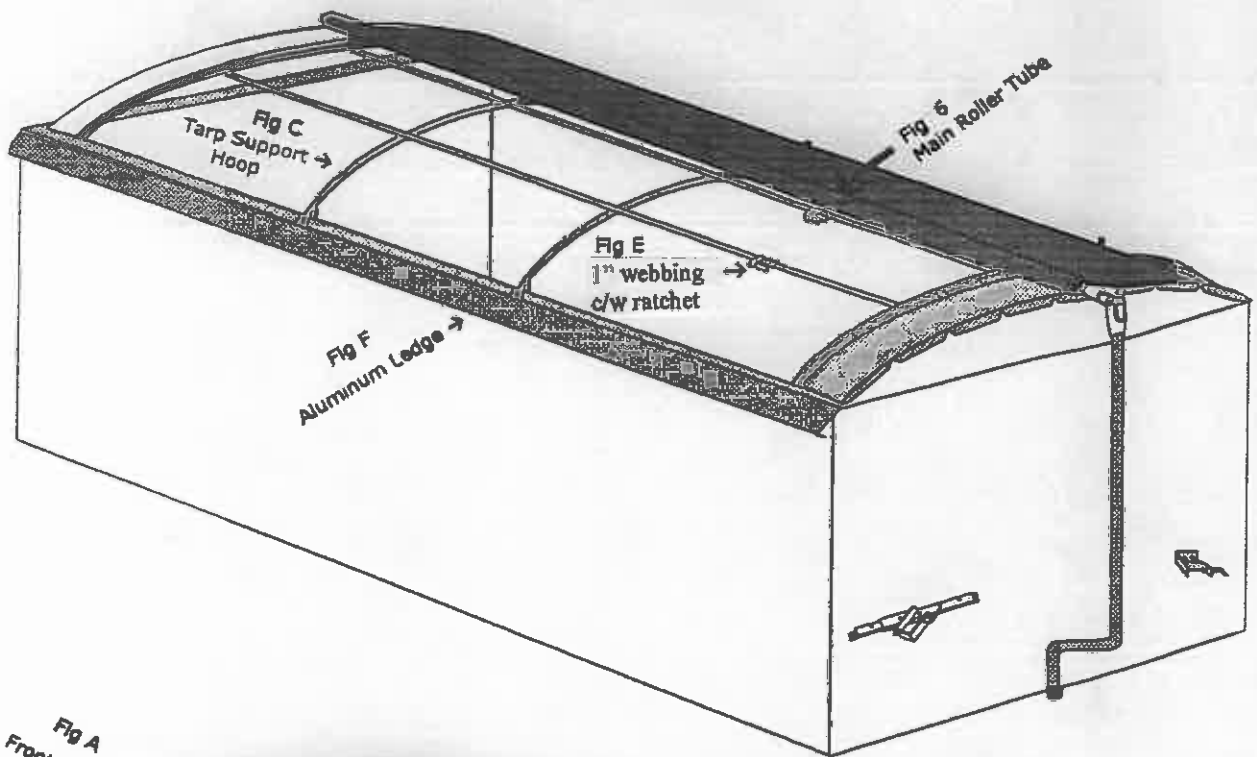
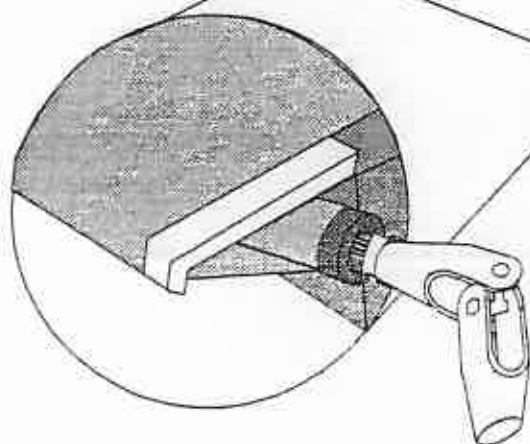
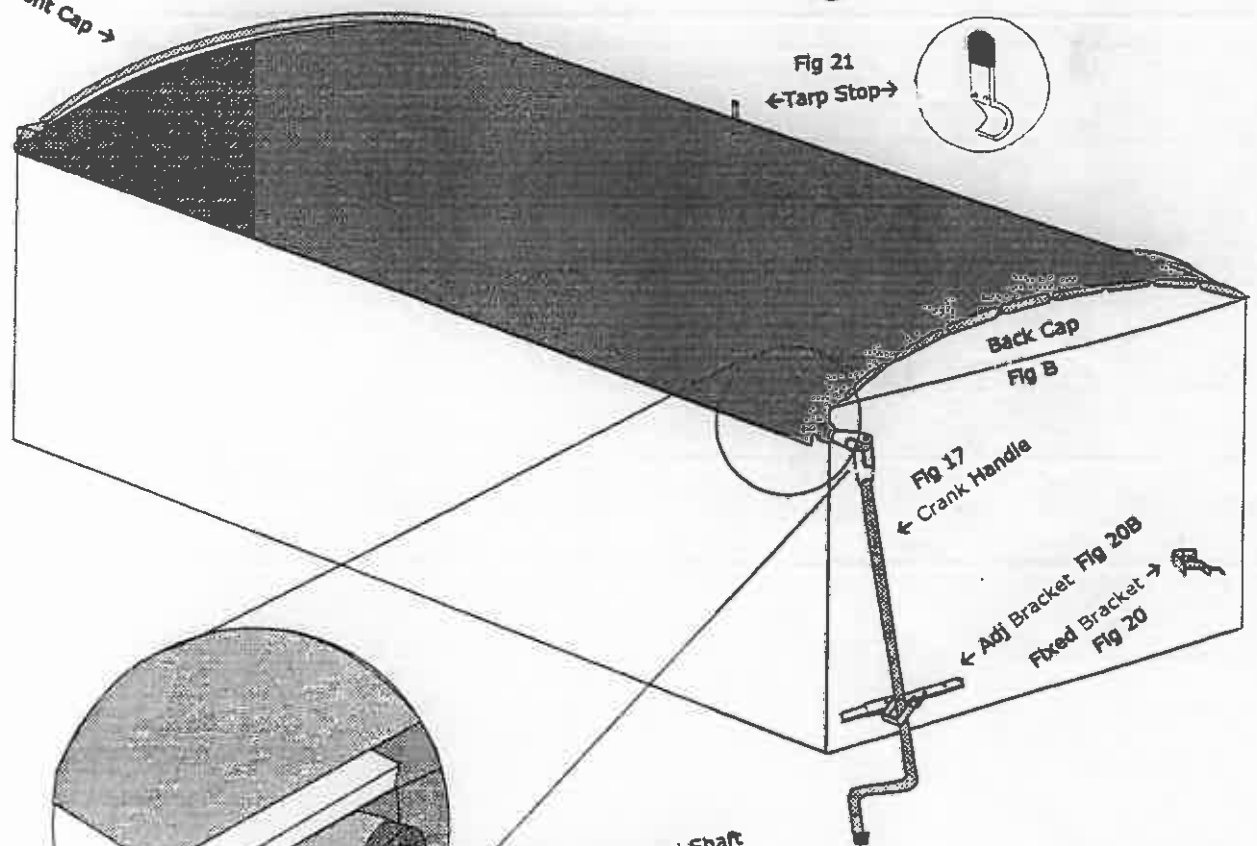
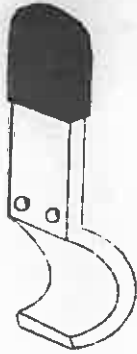


Fig A
Front Cap

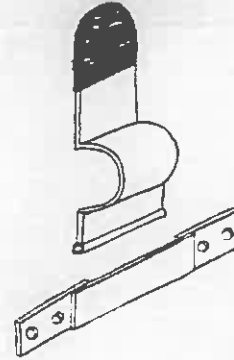


K-Style

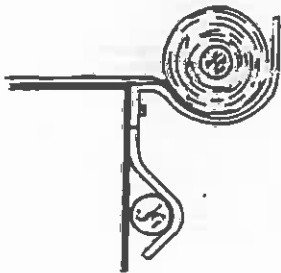
IPRPT21 TARP STOP - STANDARD c/w vinyl grip



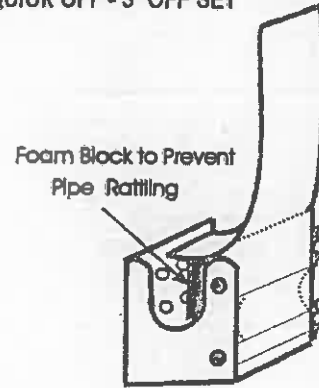
IPRPTQ02 QUICK OFF STANDARD



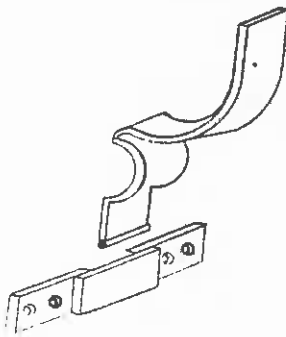
IPRPT02 - Not Quick Off - CRADLE



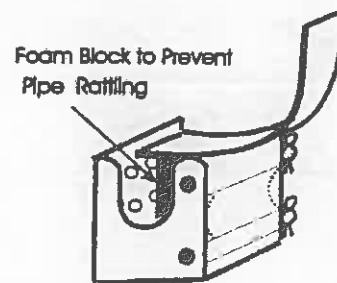
IPQOS3 QUICK OFF - 3" OFF SET



IPQ005 QUICK OFF CUPPED



IPQOS6 QUICK OFF - 6" OFF SET



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USA East 1-800-387-7765

INLAND PLASTICS LTD. - IP ROLLER - K STYLE - PARTS LIST - June 2000

			Under	Over
Part #	Fig. #	Description	17'	17'
IPRPT46R	Fig A	Front Cap - Rounded - 8' or 8 1/2' (aluminum)	1	1
IPRPT49R	Fig B	Back Cap - Rounded - 8' or 8 1/2' (aluminum)	1	1
SGP070-SGP100	Fig 6	Main Roller Tube (2" tube) 16 ga. x 2" galvanized	1	1
SGP40-SGP60	Fig 3	Mounting Tube 1 1/8" galvanized	1	1
GLD11/8	Fig 4	1 1/8" Vinyl Caps for #4 Glides GLDSL 1 1/8" (for ends of Mounting Tube)	2	2
IPRPT08R	Fig C	Tarp Support Hoop only - Rounded - no hockey sticks attached	2	3
IPRPT08AR	Fig D	Tarp Support Pins (hoops supports/hockey sticks) for round hoops	4	6
IPRPT35	Fig 10	Tarp Support Bracket (collar) for round or peaked (wall bracket)	4	6
IPRPTWEB	Fig E	1" Webbing c/w ratchet (comes in 24' or 34' lengths)	2	2
BUSH050	Fig 12a	Main Roller End Plug		
IPRPT13	Fig 12b	Complete Shur Return Kit (shur return + end plug)	1	1
ROPE5/16NYL	Fig 12c	Shur Return Rope (13.5' req'd) 5/16" nylon		
SPG500	Fig 12d	Shur Return Spring only		
LEDSL16/20	Fig F	Aluminum Ledge	1	1 or 2
SPLINESH	Fig 15	Splined Shaft - 21 Tooth	1	1
UNIVJOINT	Fig 16	Splined Heavy Duty Universal Joint	1	1
IPRRT18	Fig 17	Crank Handle c/w U-Joint - Box Style - 2 pc c/w snapper pin	1	1
IPRPT19	Fig 17	Crank Handle c/w U-Joint - Trailer Style - 2 pc c/w snapper adj. pin		
IPRPT17A	Fig 17c	Crank Handle 2 pc - No U-Joint - Box style		
IPRPT17B	Fig 17b	Crank Handle 2 pc - No U-joint - Trailer style		
IPRPT17C	Fig 17a	Lower Part of handle only (for trailer or box style)		
HANDLK	Fig 20	Crank Lock Bracket - Fixed	1	1
PART20B	Fig 20B	Crank Lock Bracket - Adjustable	1	1
IPRPT21	Fig 21	Tarp Stops - Standard - c/w vinyl grips	4	4
CLAU	Fig 23	"U" Clamps - required every 3-4 ft. of roll pipe (10 per unit)	10	10
SCREW1/4x5/8	Fig 24	"U" Clamp Screws - 1 per clamp (must use these screws as standard screws will hinder shur return spring movement).	15	15
PINSN5/1625/8	Fig 25	Snapper Pin 5/16" x 2 5/8" (for adjustable handle bracket)	1	1
PINSN3/821/4	Fig 26	Snapper Pin 3/8" x 2 1/4" (for U-Joint)	1	1
PINHA3/16	Fig 27	Hair Pin Clip (Hitch Pin) 3/16"	6	8
PINRO3/161	Fig 28	Roll Pin 3/16" x 1" (to lock hoops into position)	2	3
BOLTCAP5/151	Fig 29	Bolt c/w Lock Nut (5/16 x 2") for adjustable handle	1	1
BOLTHEX5/161	Fig 30	Self threading bolts (5/16 x 1" hex head) 50 per 16' unit - price each	50	50
	Fig 31	Eye Bolts	2	2
	Fig 32	Back Cap wall bracket	1	1

Parts Exclusive to K-Style

Fig A - Front Cap - Rounded 8' or 8 1/2'

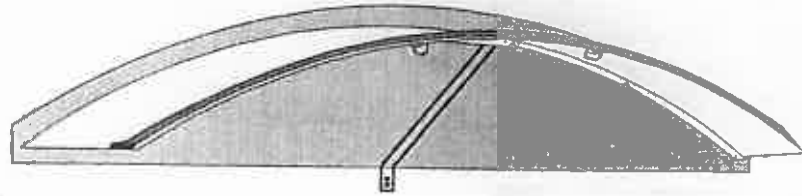


Fig B - Back Cap - Rounded 8' or 8 1/2'

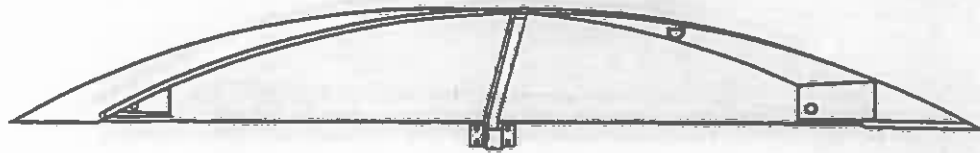


Fig C - Tarp Support Hoop (adjustable 8' - 8 1/2')

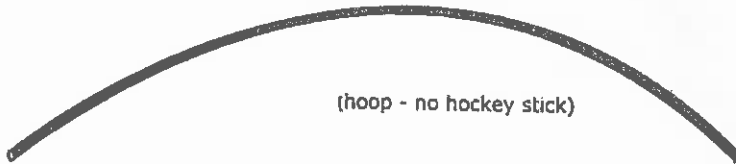


Fig D - Tarp Support Pins

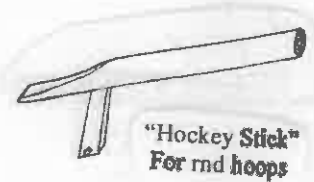


Fig E - 1" Webbing c/w Dee on one end
Fig F - Aluminum Ledge

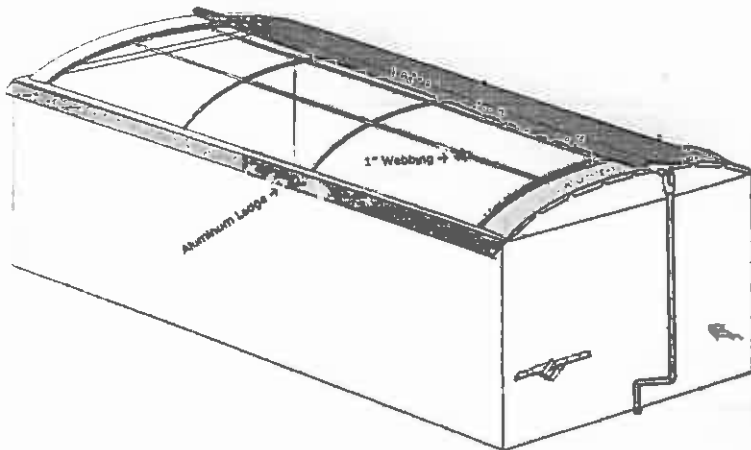
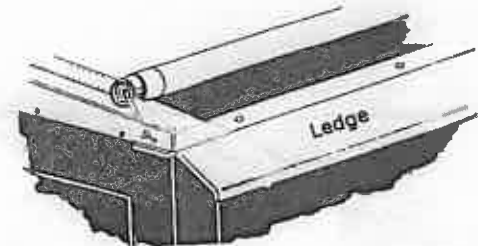
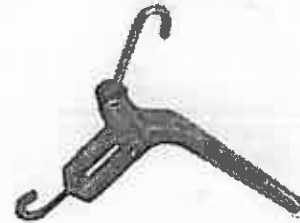


Fig G - Rear Cap Cinch Down



PARTS COMMON TO IP ROLLER AND K-STYLE

Fig 10 - Tarp Support Hoop Bracket (collar) for round or peaked



Figs 12a - 12c - Shur Return

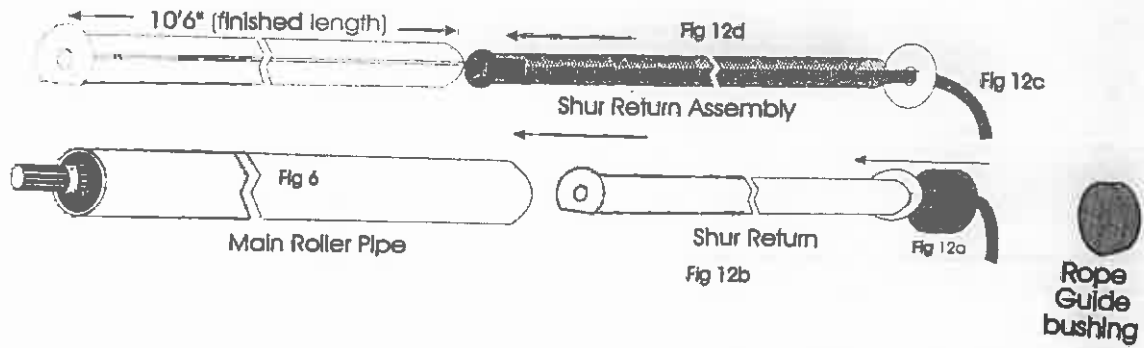


Fig 15 - Splined Shaft - 21 tooth



Fig 16 - Heavy Duty Splined U Joint

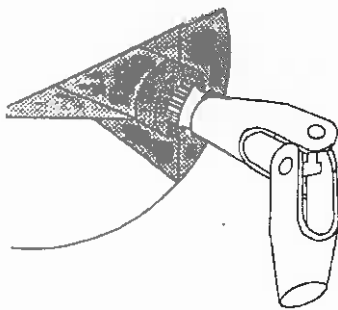


Fig 16 - 17 Crank Handle c/w U Joint

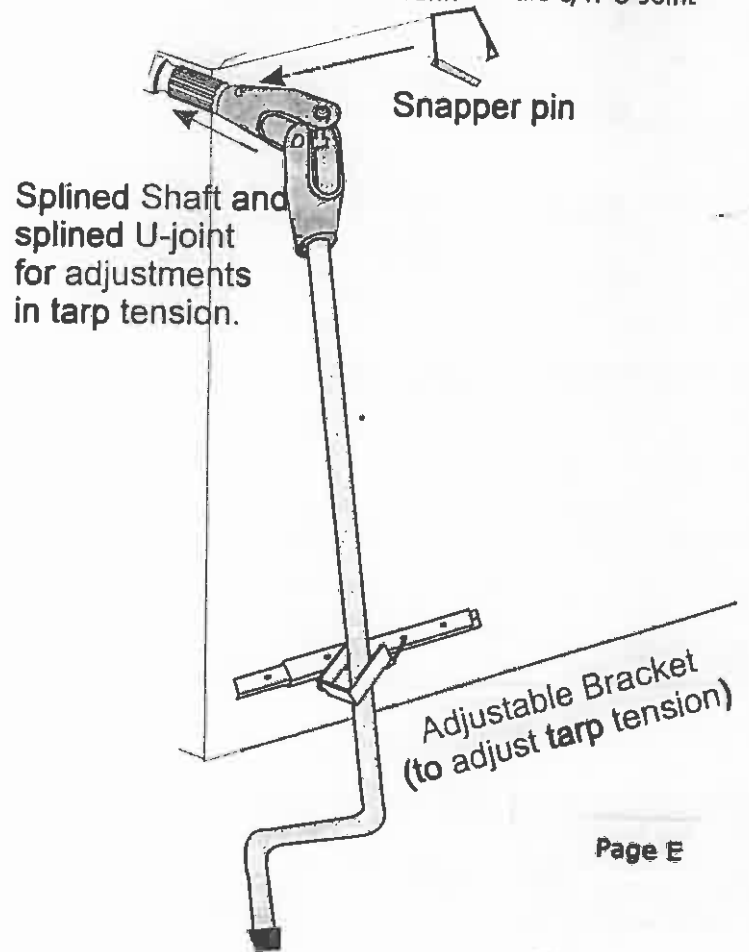


Fig 17c - Crank Handle No U-joint Box Style

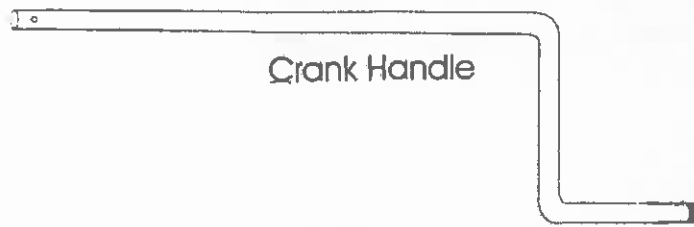


Fig 17b - Crank Handle No U-joint Trailer Style

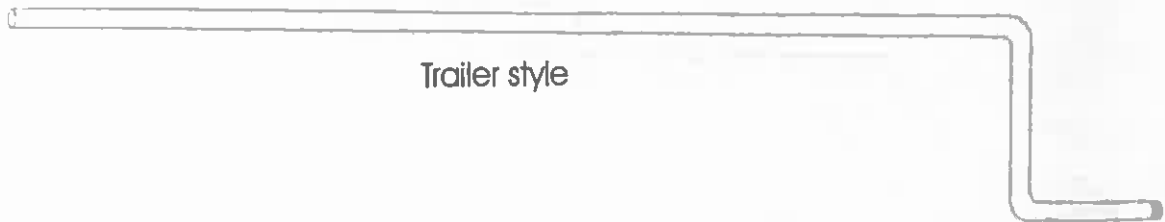


Fig 20B - Adjustable Crank Lock Bracket

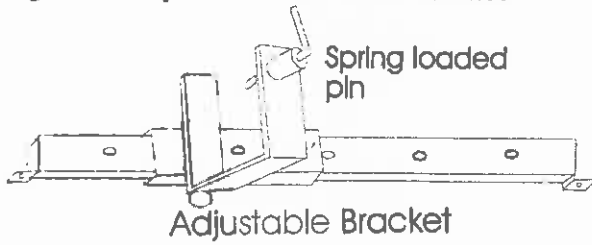


Fig 20 - Fixed Crank Lock Bracket

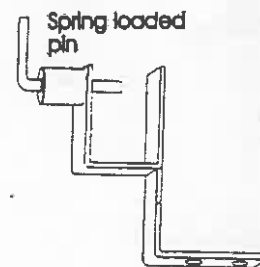


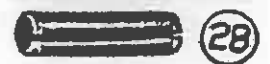
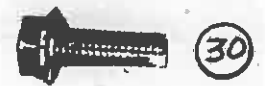
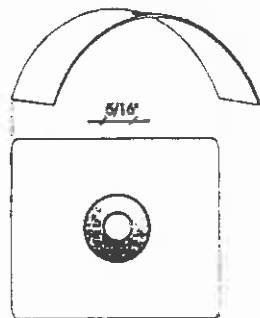
Fig 21 - Tarp Stop c/w Vinyl Grip



Fig 22 - Vinyl Grip only for Tarp Stop



Fig 23 - U Clamps



Roll Pin



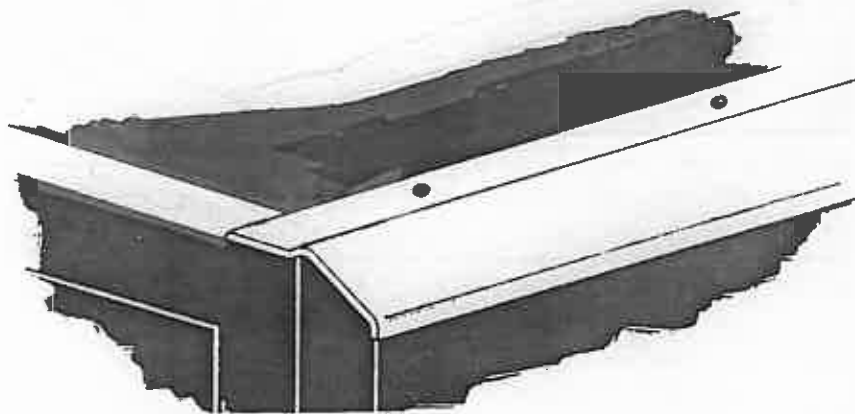
BEFORE INSTALLATION, read these instructions carefully so that your installation can proceed smoothly.

ASSEMBLY INSTRUCTIONS

MOUNTING THE LATCH PLATE

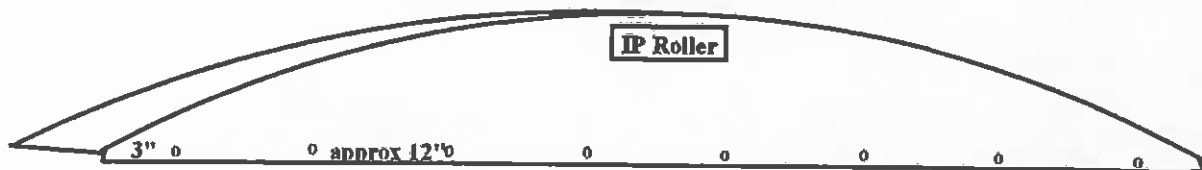
The latch plate can be mounted on either side of the box, depending on which way you would like the tarp to roll.

- 1) Install the latch plate on the top rail of the box so that it will be flush against the wind deflector of the front cap and lapping onto the rail by 2" as shown below. It is important to first determine the location of the front cap.
- 2) If the latch plate protrudes past the rear of the box, it must be cut off flush with the back end of the box.
- 3) With the latch plate clamped in position, drill $\frac{1}{4}$ " holes in the top rail of the box through the pre-punched holes in the latch plate. If the latch plate has to be cut off, then a new hole must be drilled in the latch plate 10" from the back end.
- 4) Install using $\frac{5}{16}$ " x 1" hex head self-tapping screws.



MOUNTING THE FRONT CAP

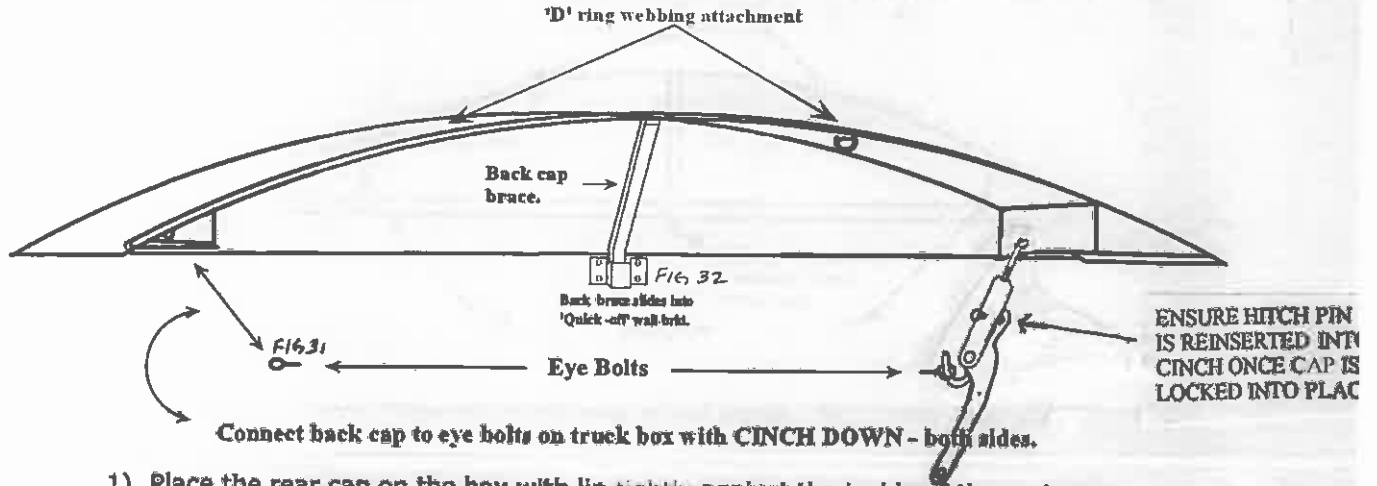
- 1) Choose from the two caps supplied, the one equipped with the wind deflectors is the front.
- 2) Adjust the cap, tight in the groove in the latch plate and tight against the front of the box (as shown above).
- 3) Drill $\frac{1}{4}$ " holes approximately 12" apart starting and ending with holes 3" from the ends of the cap.



(Not to scale)

- 4) Install with 5/16" x 1" self-tapping Hex head screws.
- 5) With round cap, the center inside brace must be bolted to the middle inside of the top rail. Before bolting pull down on brace so that the sides are held down firmly.

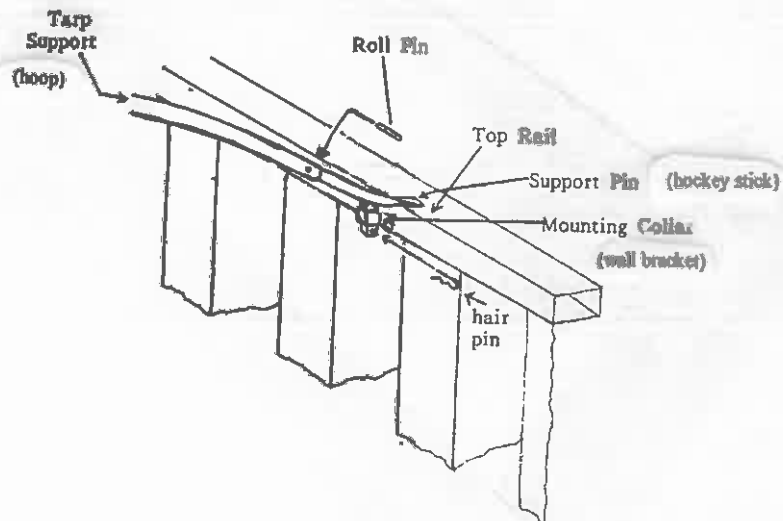
MOUNTING REAR CAP



- 1) Place the rear cap on the box with lip tightly against the inside of the end gate.
- 2) Secure the end cap to the rear of the truck box as shown.
- 3) If "webbing" is installed to support your tarp, then the back central brace must be attached to center inside of the back box rim.

MOUNTING TARP SUPPORTS

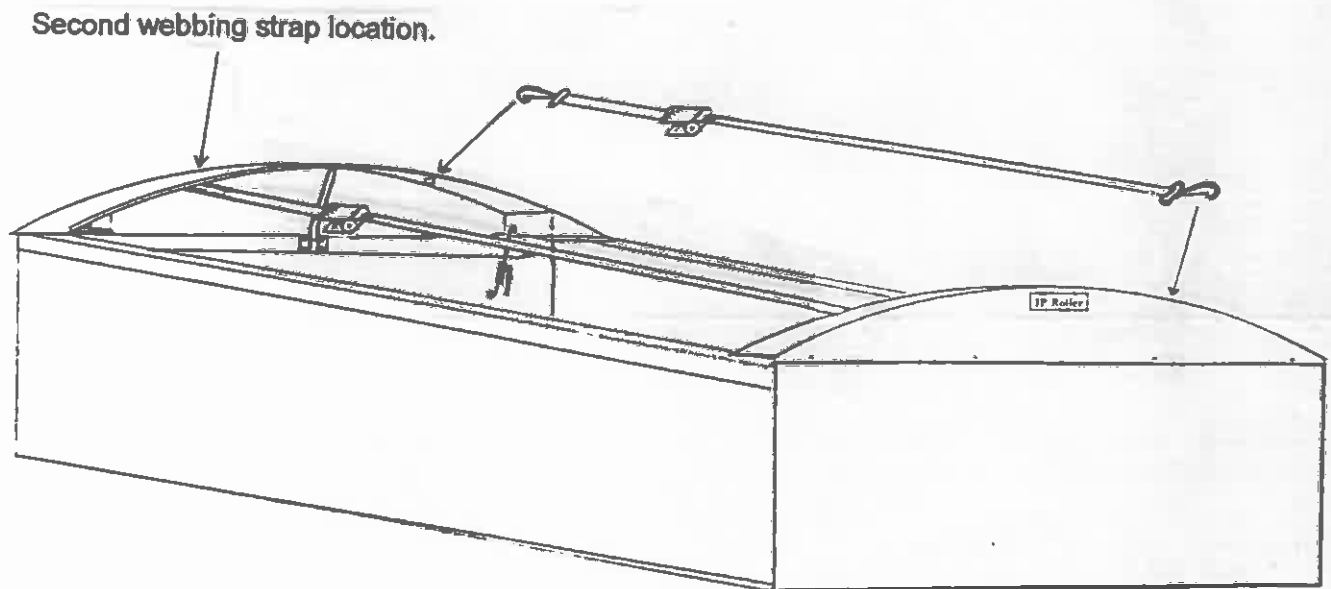
- 1) Divide the box into equal spaces according to the number of tarp supports (hoops) supplied.
- 2) Position tarp support bracket (collar) on the inside of the top rail so that the top of the support pin (hockey stick) is flush with the top of the inside of the box.
- 3) Drill 1/4" holes and mount with 5/16" x 1" Hex head self tapping screws.
- 4) Insert support pin (hockey stick) into the end of the tarp support (hoop) and place into the support bracket. Install hair pin as shown below.
- 5) Align tarp support hoops with the end caps. Drill 3/16" hole through the tarp support and insert roll pin on one end only. This will secure one end leaving the other end floating to eliminate stress on the tarp support hoop.
- 6) Repeat for each tarp support.



WEBBING TIGHTENING SYSTEM

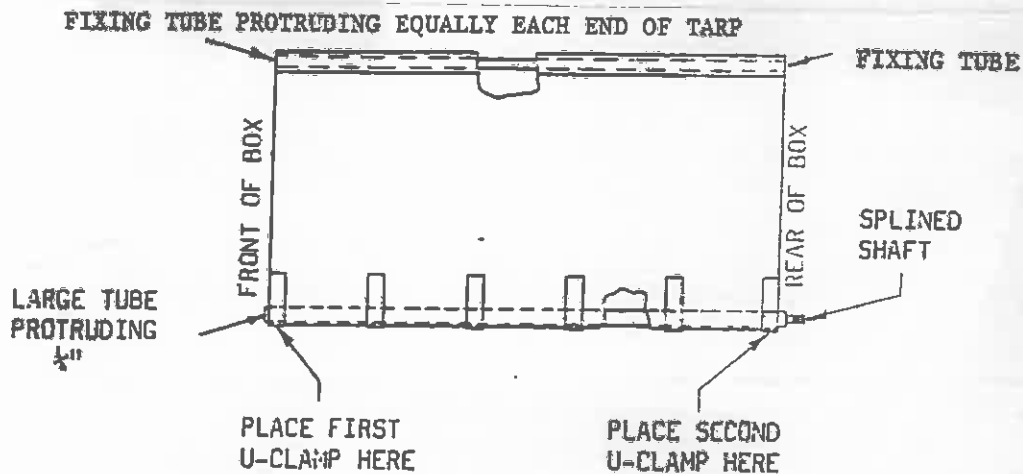
1. Connect snap hooks onto Dee rings on underside of front and back caps.
2. Insert webbing into 1" ratchets.
3. Tighten ratchets.

WARNING: DO NOT OVER TIGHTEN AS DAMAGE MAY OCCUR TO CAPS!

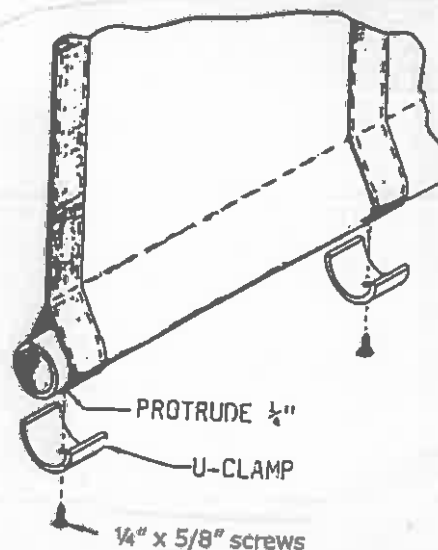


TARP INSTALLATION

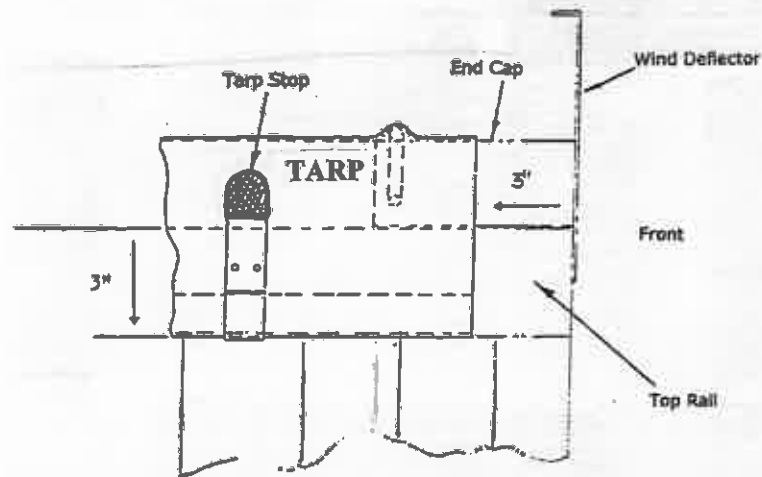
- 1) Unfold the tarp and you will notice the pocket on the side for the roller tube is larger than the other and has 2" wide webbing sewn in approximately every 3-4'.
- 2) The tarp is to be installed with hem seams underneath.
- 3) Install the plastic caps onto each end of the 1 1/8" tube (*mounting tube*) and then insert the tube into the *small* pocket of the tarp so that the ends of the tube protrude equally from the ends of the tarp. This is the side that will be fastened directly to the box.
- 4) Insert the 2" tube into the large pocket of the tarp so that the front end of the roller tube is protruding 1/4" out of the front edge of the tarp. The end of the roller tube with the spline will protrude out of the rear of the tarp as shown below.



- 5) Each one of the 2" wide webbing straps sewn to the tarp are to be secured to the roller tube by means of a U-Clamp as shown below. Drilling 9/64" holes, install the first U-Clamp to the end of the roller tube that is flush with the tarp (front). **STRETCH** the tarp out evenly along the tube and install a second U-Clamp at the rear of the tarp. Now install U-Clamps on all remaining 2" straps keeping all of them in a straight line on the roller tube. It is important to make sure the screws pull the U-Clamps tightly to the tube.



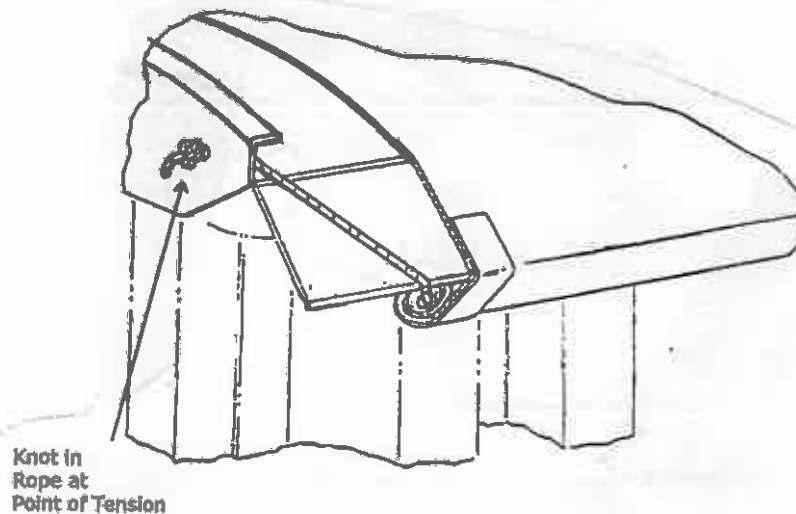
- 6) Place the tarp on top of the box so that the 2" roller tube is on the same side as the latch plate, with the splined end protruding out the rear of the box. Position it so that the front edge of the tarp is 3" back from the wind deflector as shown below.



- 7) Allow the side of the tarp with the small tube to hang down approximately 3" over the side of the box. Holding the first tarp stop in place 6" from the front of the tarp, drill $\frac{1}{4}$ " holes through the tarp stop and fasten with $\frac{5}{16}$ " x 1" self threading screws as shown above. STRETCH the tarp out evenly along the tube. Install the rear tarp stop similar to the front. The remaining tarp stops may now be installed spaced evenly between the front and rear.

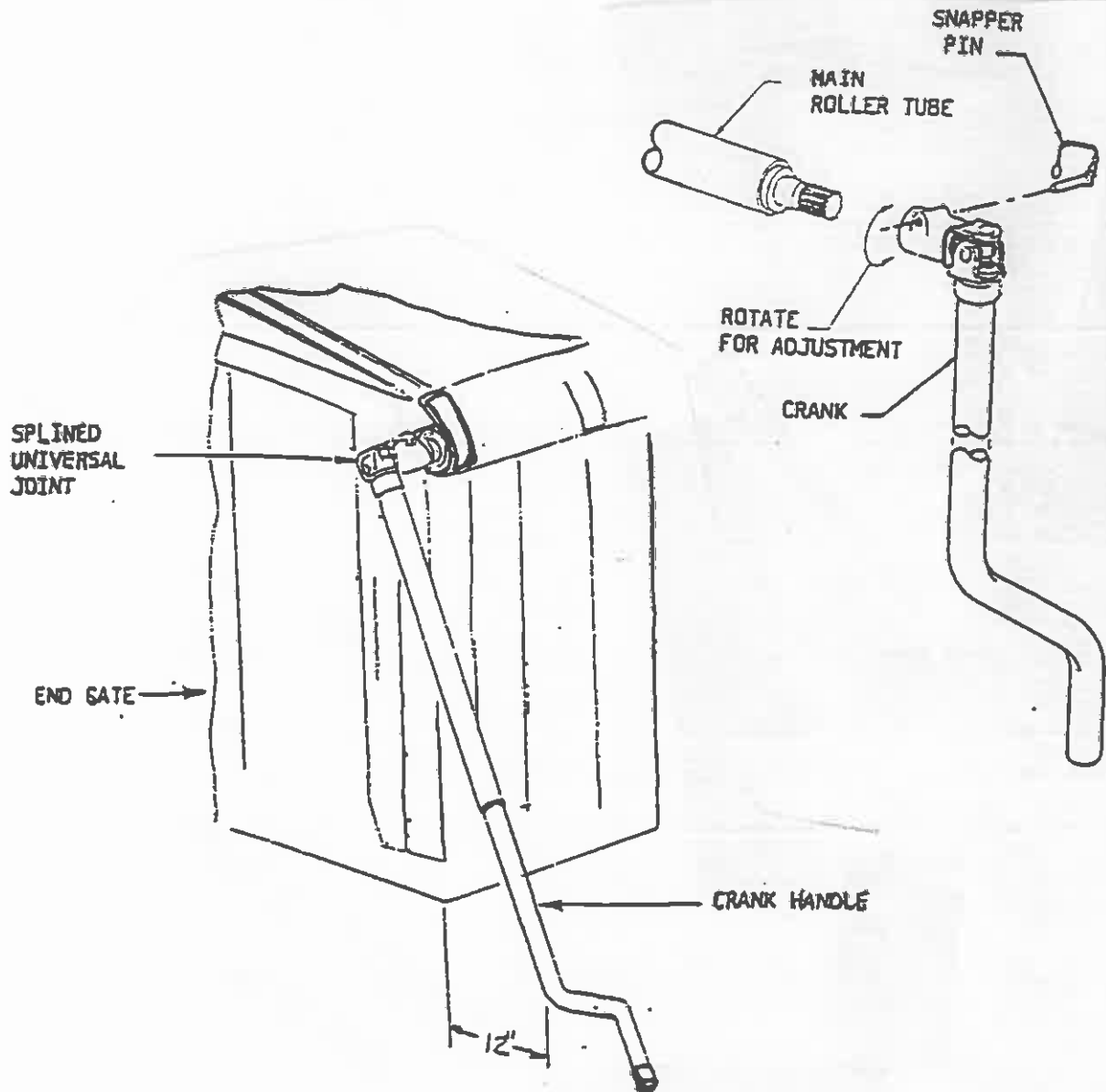
ROLL RETURN INSTALLATION

1. Take the rope protruding out of the roller tube and thread it through the $\frac{5}{16}$ " hole in the front corner of the cap.
2. With the 2" roller tube up under the latch plate, pull the cord through until there is no slack in the cord.
3. Pull 1" further to maintain a slight amount of tension and tie a knot in the cord. Doing this will maintain a slight tension on the roll return under the latch plate as shown below.

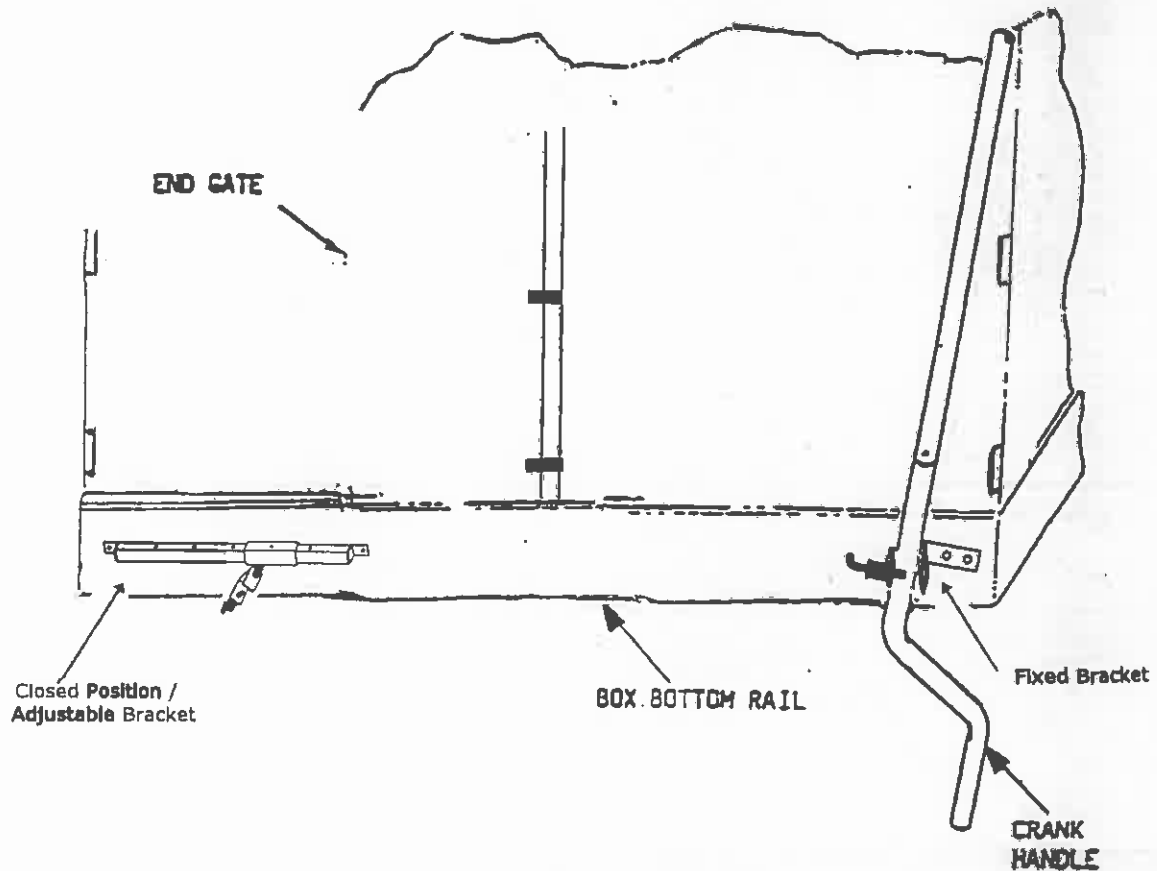


MOUNTING UNIVERSAL JOINT AND CRANK HANDLE

- 1) Assemble the two piece handle temporarily, bolt together at the approximate length required.
- 2) Slide the splined universal joint onto the splined shaft and insert the snapper pin.
- 3) Roll the tarp under the latch plate, bring the crank perpendicular to the ground. Re-adjust on the spline so the crank is about 12" out from the box when the tarp is rolled under the latch plate.
- 4) Re-adjust the length of the two piece crank to the desired length rotating the lower handle around to be parallel with the end of the box. Bolt together in the new position. The tightness of the tarp can be adjusted directly with the position of the crank bracket.



MOUNTING HANDLE LOCKS



- 1) Roll the tarp open.
- 2) Using the handle as a lever to lock the tarp against the tarp stops, mark the position of the handle on the bottom rail of the box.
- 3) Mount the crank lock bracket for the open position as shown above using 9/10" x 1" self tapping screws.
- 4) Mount adjustable crank bracket on the bottom rail of the box as shown (on the closing side of the box).
- 5) Adjust tension of tarp by positioning adjustable portion of crank bracket.

NOTE: To ensure the best performance and service from your roller tarp, it is important that the tarp is tight when in the closed position.

K STYLE - IP ROLLER

IMPORTANT:

To ensure the best performance and service from your roller unit, it is important that the tarp is tight when in the closed position.

A tight tarp seals on the caps and is better in preventing leaking and also prevents the tarp from flapping loosely. A flapping tarp causes wear.

This unit has tightening adjustments in two places:

- 1) The 21 tooth splined U-joint allows infinite adjustment.
- 2) Smaller adjustments can be made using the slider on the crank lock bracket.

The tarp, when new should be checked and tightened after the first few operations as they settle into place and are subject to a small amount of stretching.

Periodic checking is advisable.

Keep your tarp tight for better service.

DATE: _____

IP ROLLER PACK LIST FOR:

UNIT ON ORDER:

PARTS BAG

PRODUCT	QTY	CHECK	OTHER
U CLAMP	10		
U CLAMP SCREW	10		
5/16" SNAPPER PIN	1		
3/8" SNAPPER PIN	1		
HAIR PIN 3/16"	8		
ROLL PIN 3/16"	6		
5/16" X 2" BOLT W/ NUT	1		
5/16" SELF TAP	50		
FIXED BRACKET	2		
WALL BRACKET	6		4 - ON 16' OR UNDER
HOCKEY STICK	6		4 - ON 16' OR UNDER
VINYL CAP 1 1/8"	2		
VINYL CAP 1 1/8"	1"		

BOX

INSTRUCTIONS	1		
CAP PARTS BAG	1		Has it's own parts list.
FRONT CAP	1		
BACK CAP	1		
HOOPS	3		2 - ON 16' OR UNDER
WEBBING STRAPS	2		24' OR 34'
CRANK HANDLE	1		
WINDSTOPPER TARP STOPS	4		3 - ON 16' OF UNDER
TARP	1		

OTHER

LEDGE	1		
MOUNT TUBE	1		
ROLL PIPE	1		

UNIT PACKED BY: