

Installation Instructions

DTG

Tarp Roller Kit W/ Ground Control (tarp sold separately)

- 1.** Determine the location of the tarp roller. The tarp roller should be mounted above the cab on the dump body's cab guard. To prevent damage from loads being dumped into the body, the tarp roller should be mounted outside of the dump body's load area.
- 2.** Clamp the bearing bracket assemblies (item 4) to the dump body in the locations determined in step 1. Make sure the brackets are aligned vertically as well as from front to back by measuring from a common point on each side of the body. Verify the bearing bracket assemblies are mounted high enough to accommodate the tarp when rolled onto the roll bar assembly.
- 3.** Mark the bearing bracket mounting hole's locations onto each side of the dump body. Remove the brackets and drill 13/32" holes in the four marked locations.
- 4.** Assemble the bearing brackets to the dump body using the four 3/8-16 x 1 cap screws, lock washers and nuts supplied. Do not tighten fasteners at this time, just hand tighten to hold brackets in position.
- 5.** Locate the inner hex tube (item 1) and make a pencil mark in the center of the tube's length. Insert the inner hex tube half way into the driver's side roll tube assembly (item 2). Insert the passenger's side roll tube assembly (item 3) onto the opposite end of the inner hex tube. Measure the distance between the inside of the mounted bearing brackets (for measurements less than 81.75": The driver's and passenger's side roll tube assemblies (items 2 & 3) will need to be shortened by an equal amount to obtain the proper width). Separate the roll tubes, so the length of the complete roll tube assembly from adaptor to adaptor is 1/4" less than the distance between mount brackets. Locate the pencil mark, and verify that the inner hex tube is centered inside the outer roll tube assemblies. Screw each roll tube assembly to the inner hex tube using one 1/4" x 1" self drilling and tapping screw (item 10A) 2" from the end of the outer tube.

- 6.** Slide the complete roll tube assembly into the 5" loop in the end of the tarp. Verify that the webbing in the seams of the tarp will be on the bottom when installed. Note: The roll tube end of the tarp only has one row of webbing reinforcement.

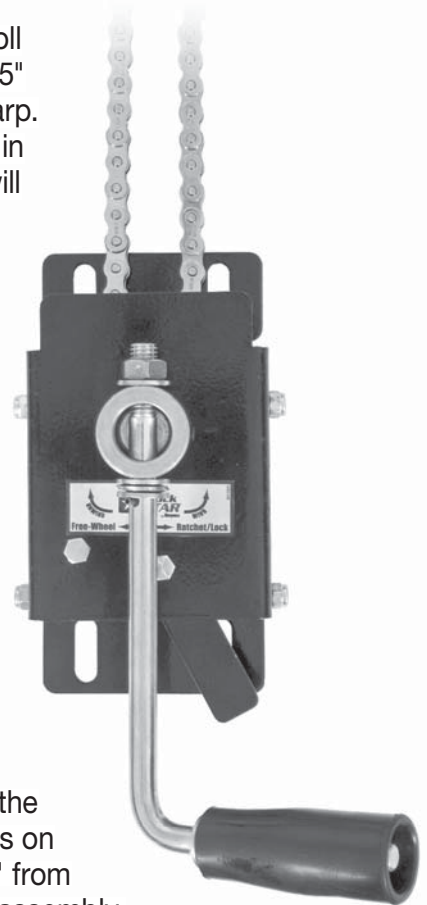
- 7.** Center the roll tube assembly in the tarp. Holding the roll tube assembly tightly in the end of the pocket, screw in place with five evenly spaced 1/4" x 1" self-drilling tapping screws (item 10A) and fender washers (item 10B). Make sure the screws are centered in the hex tube and the screws on each end are at least 2" from the end of the roll tube assembly. Be careful not to screw into the shaft adaptors (item 2B) on each end.

- 8.** Remove one of the bearing bracket assemblies and slide the tarp roll assembly in to the remaining bearing. Slide removed bearing bracket over shaft and reassemble to the dump body. Tighten 3/8" bracket mounting bolts at this time.

- 9.** Center the tarp roll assembly between the mounting brackets and tighten set screws in each bearing race.

- 10.** Assemble sprocket and key (item 7 & 5E) onto the 1" shaft of the driver's side roll tube assembly (item 2). Do not tighten set screws in sprocket at this time.

- 11.** Prepare a mounting surface for the Ground Control Assembly (item 5). Fabricate a mounting plate that creates a flat surface on the side of the dump body. (Mounting plate is not included due to the variety of bodies and mounting space limitations.) The mounting surface must be parallel with the face of the



sprocket on the tarp roller assembly.

12. Clamp the Ground Control Assembly to the mounting plate (from step 11) in the approximate final operating location and determine the length of the roller chain (item 6). The roller chain can be shortened by either, grinding and punching the ends of the pins, or by using a chain breaker.

13. Assemble the roller chain with master link from the sprocket on the roll tube assembly (item 7) and to the sprocket in the ground control assembly (item 5) and clamp the Ground Control Assembly to the mounting plate on the side of the body. Adjust the position of the sprocket (item 7) on the roll tube assembly until the chain is parallel to the side of the dump body and tighten the set screws.

14. Adjust the Ground Control Assembly making the roller chain tight and mark the position of the four slots on the mounting surface. Drill four 13/32 holes in the center of the slots marked. Paint the mounting surface as required.

15. Bolt the Ground Control Assembly to the mounting plate using the 3/8-16 x 1" bolts, lock washers and nuts supplied or use other suitable 3/8" fasteners. Make sure the chain is tight by pushing the chain in the center towards itself. The chain should deflect less than 1".

16. Replace the cup point set screws in the crank handle assembly (item 8) with the dog point set screws supplied (item 10F). Assemble crank handle assembly onto the ground control assembly. Align the set screws with the hole in the ground control shaft (item 5C) and tighten set screws. Removable Loc-tite may be used to prevent the set screws from loosening.

17. Assemble the four S-hooks (item 13) to the two tarp straps (item 12). The small end of the s-hook is assembled into the hole in the strap and should be bent around the strap to permanently attach the hook to the strap. The two strap assemblies should be attached to the rear corner holes in the tarp. The large hooks should be bent around the tarp grommets to permanently attach straps to tarp. (See figure 1.)

18. Assemble pull rope assembly to the center grommet on the rear of the tarp. (See figure 3.)

19. Assemble two rope storage hooks to the dump body tailgate to wrap the pull rope for storage when tarp is covering the body. The hooks should

be mounted horizontally and may be bolted (bolts not included) or welded to the dump body. The recommend distance between the hooks is 15-17". (See figure 3.)

20. Assemble two rope storage hooks to the side dump body near the crank handle assembly to wrap the pull rope for storage when tarp is retracted. The hooks should be mounted vertically and may be bolted (bolts not included) or welded to the dump body. (See figure 2.)

DTB102 Optional Retention Bow Kit Installation

Optional Accessory

For tarps narrower than 6 feet the center tube (item 15A) will need to be shortened and re-drilled.

- 1.** Assemble outer bars (item 15B) to the center tube (item 15A) using the two 5/16" x 1" roll pins (item 15F) supplied.
- 2.** Slide rear bar assembly into the pocket in the rear of the dump body tarp. Center the bar in the tarp. The same amount of bar should be exposed on each side of the tarp.
- 3.** Assemble a lock collar (item 15E), guide washer (item 15D), PVC roller tube (item 15C), and second lock collar, in that order, onto each end of the rear bar assembly.
- 4.** Measure the inside width of the top of dump body or bed extension boards where the guide washers will slide in between. Adjust and tighten the lock collars so that the guide washers are held 1/2" narrower than the body measurement. Make sure that the PVC roller tubes can spin freely on the rear bar.
- 5.** After the rear bar is adjusted to fit the body, the excess bar may be cut off to limit the amount of bar protruding outside the body. If the rear bars are cut, the cut ends should be painted to prevent premature rusting.

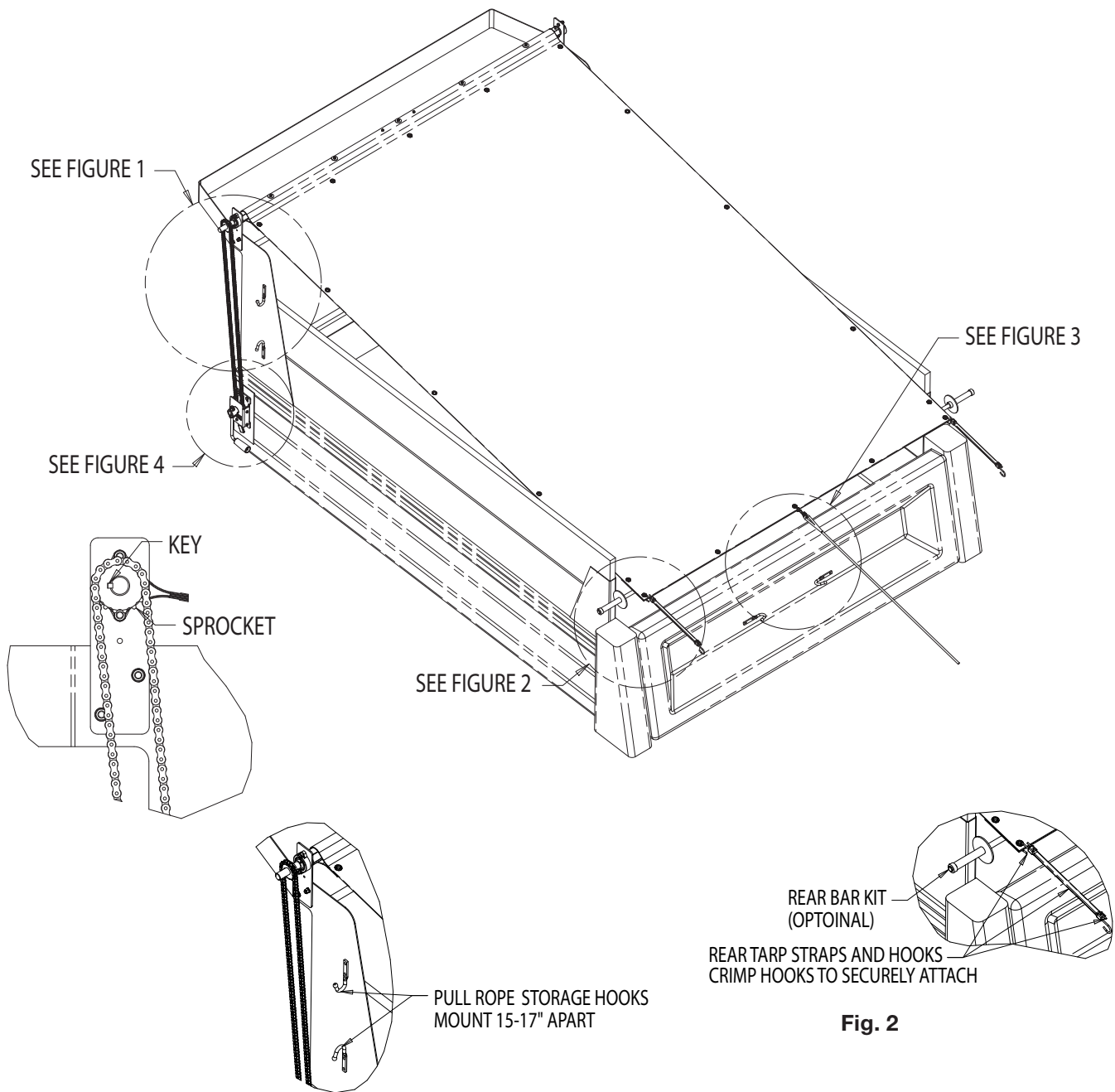


Fig. 1

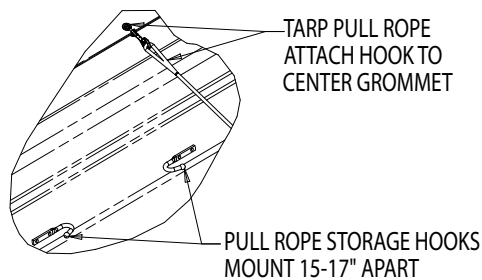


Fig. 3

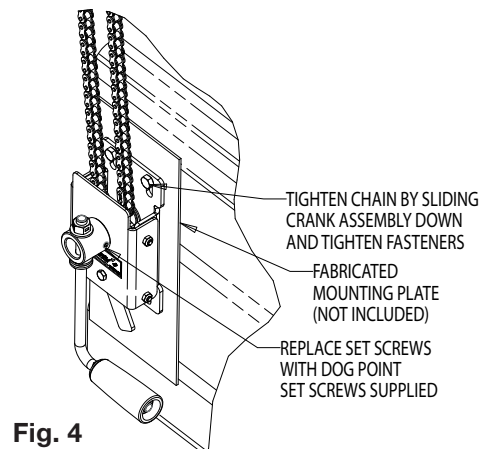
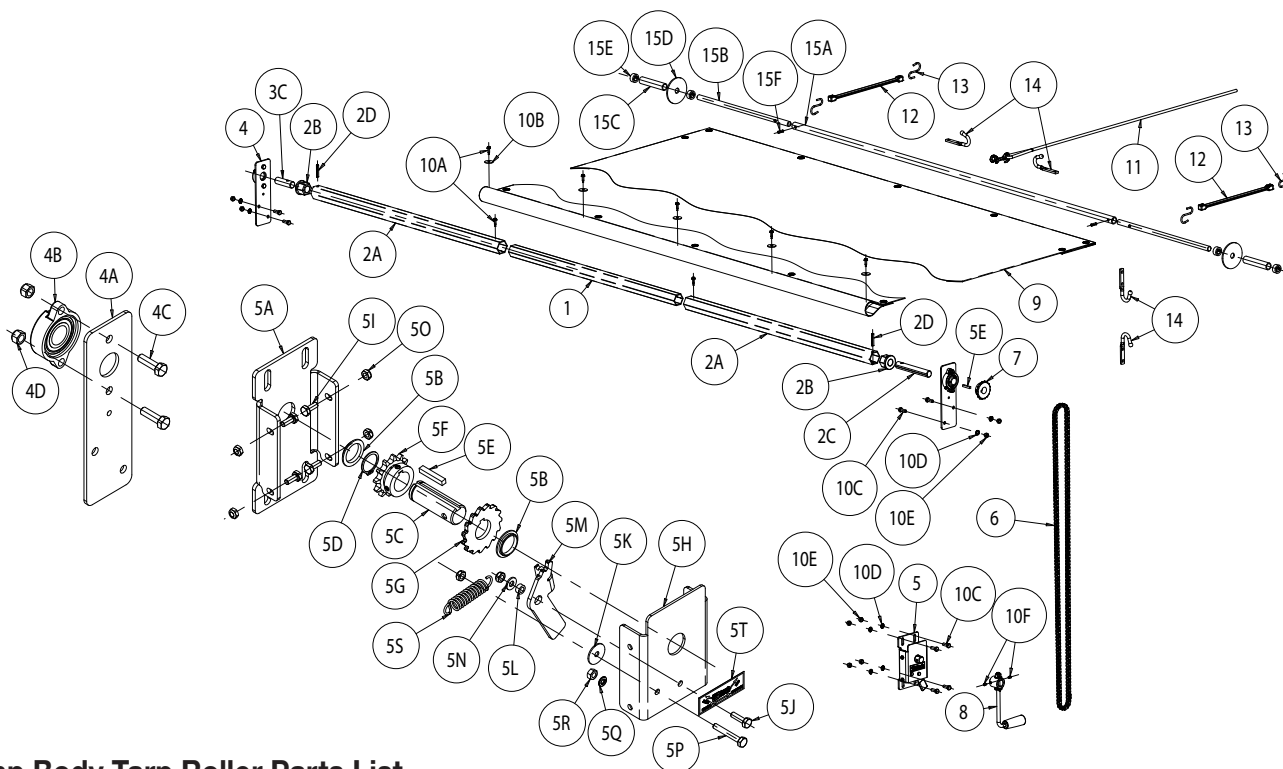


Fig. 4



Dump Body Tarp Roller Parts List

ITEM	PART NO.	QTY	DESCRIPTION
1	3007954	1	Tube, Inner Hex
2	3013304	1	Roll Tube Assy., Driver's Side
2A	3007955	2	Tube, Outer Hex
2B	3008010	2	Adaptor, Shaft
2C	3013303	1	Shaft, Crank End, W/ Keyway
2D		2	Pin, Spring Roll, 5/16" x 1-7/8"
3	3008239	1	Roll Tube Assy., Passenger's Side
3C	3008181	1	Shaft, Idle End
4	3008237	2	Bearing Bracket Assy.
4A	3009425	2	Bracket, Tarp Roll Mount
4B	1411000	2	Bearing, 1" Self-Aligning
4C		4	Cap Screw, 3/8-16 x 1 1/4", Zinc
4D		4	Hex Nut, Locking, 3/8-16, Zinc
5	3013298	1	Ground Control Assembly, DTG, Tarp Roller
5A	3013301	1	Bracket, Mounting, Ground Control
5B	3013290	2	Bearing, 1" Flanged Shaft
5C	3013293	1	Shaft, Ground Control
5D	3013302	1	Ring, Ext. Retaining, 1"
5E	1412000	2	Key, 1/4" Square
5F	1411915	1	Sprocket, 12 Tooth
5G	3013294	1	Cam, Ratchet, Ground Control
5H	3013289	1	Channel, Cover, Ground Control
5I		4	Cap Screw, 1/4-20 x 5/8", Zinc
5J		1	Cap Screw, 1/4" x 7/8", Zinc
5K	3009561	1	Washer, Nylon
5L	4100S	1	Spacer Busher
5M	3013297	1	Handle, Ratchet Lock
5N		1	Flat Washer, 1/4", Zinc
5O		6	Nut, Jam Lock, 1/4", Zinc
5P		1	Screw, 1/4-20 x 1-3/4", Full Thread, Zinc
5Q		1	Washer, Lock, 1/4", Zinc
5R		1	Nut, Hex, 1/4-20, Zinc
5S	3009434	1	Extension Spring
5T	3013591	1	Decal, Ground Control
6	3013229	1	Chain, #40 Roller, W/ Master Link
7	1410702	1	Sprocket, 16 Tooth
8	3008176A	1	Crank Handle Assy.

ITEM	PART NO.	QTY	DESCRIPTION
9	1	1	Replacement tarps*
10	3013305	1	Hardware Bag, Ground Control Tarp Roller Kit
10A		7	Screw, 1/4" x 1" Self-Drilling & Tapping Zn
10B		5	Fender Washer, 1/4" ID x 1 1/4" OD, Zinc
10C		8	Cap Screw, 3/8-16 x 1", Zinc
10D		8	Lock Washer, 3/8", Zinc
10E		8	Hex Nut, 3/8-16, Zinc
10F		2	Set Screw, 5/16-18 x 1/2", Dog Point
11	3008225	1	Pull Rope Assy., 20'
12	TS15	2	Tarp Strap, 15" Rubber
13	9225	4	S-Hook, Tarp Strap
14	B2448B	4	Hook, Rope Storage
15	DTB102	-	Rear Bar Kit (Optional Accessory)
15A	3008306	1	Center Tube, Rear Bar Kit
15B	3008307	2	Outer Bar, Rear Bar Kit
15C	3008308	2	PVC Roller Tube, Rear Bar Kit
15D	3008309	2	Guide Washer, Rear Bar Kit
15E	3013330	4	Lock Collar, 20 mm
15F		2	Pin, Spring Roll, 5/16" x 1"

* Contact Your Local Distributor or Buyersproducts.com for replacement tarp part numbers

WARRANTY

Buyers Products Co. warrants all truck/trailer hardware manufactured or distributed by it, to be free from defects in material and workmanship for a period of one year from date of shipment. Parts must be properly installed and used under normal conditions. Any product which has been altered, including modification, misuse, accident or lack of maintenance will not be considered under warranty. Normal wear is excluded. The sole responsibility of Buyers Products Co. under this warranty is limited to repairing or replacing any part or parts which are returned, prepaid, and are found to be defective by Buyers Products Co. Authorization from Buyers Products Co. must be obtained before returning any part. No charges for transportation or labor performed on Buyers' products will be allowed under this warranty.