Installation Instructions

DT1R Tarp Roller Kit without Detent Brackets
DTR1 Tarp Roller Kit with Detent Bracket

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Tarp Roller Kits

KIT #	TARP SIZE (FT)	TARP TYPE	BEARING CENTER
DT1R Tarp Roller Kits			
DT1R	NO TARP	N/A	3"
DT1R6014	6 X 14	BLACK MESH	3"
DT1R7018	7 X 18	BLACK MESH	3"
DT1R7020	7 X 20	BLACK MESH	3"
DT1R7512	7-1/2 X 12	BLACK MESH	3"
DT1R8018	8 X 18	BLACK MESH	3"
DTR1 Tarp Roller Kits			
DTR1	NO TARP	N/A	3-1/4"

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.

Bearing Installation without Detent Brackets (DT1R)

1. If the dump body is not pre-drilled for a tarp with a hole-pattern that matches Figure 1, determine the best 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. Also, verify the location is accessible for winding the tarp up. Once the location has been determined, drill the hole-pattern shown in Figure 1. Make sure that the holes on the driver's side and passenger's side are in line with each other.



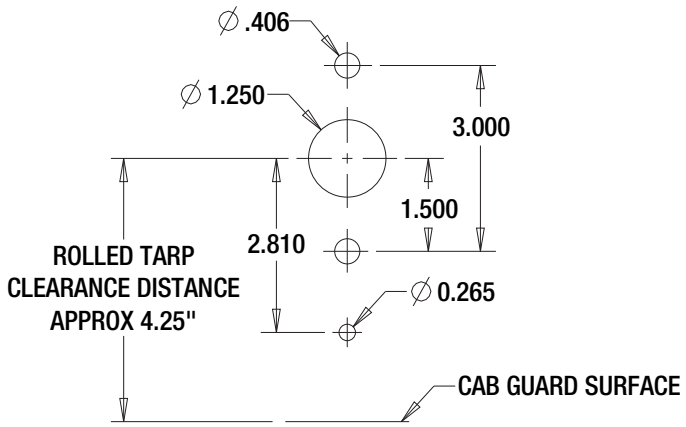


Figure 1: DT1R Mounting Hole Pattern

2. Assemble one of the bearings in the passenger's side of the dump body using the two 3/8-16 x 1-1/4" cap screws and 3/8-16 lock nuts supplied. Do not tighten fasteners at this time, just hand tighten.

3. Assemble the second bearing to the driver's side of the dump body using one 3/8-16 x 1-1/4" cap screw and lock nut in the top mounting hole and one 3/8-16 x 2-1/4" full thread cap screw and 3/8-16 lock nut in the bottom mounting hole. Make sure the screws are facing outward. (See Figure 2.) Do not tighten fasteners at this time, just hand tighten to hold bearing in position.

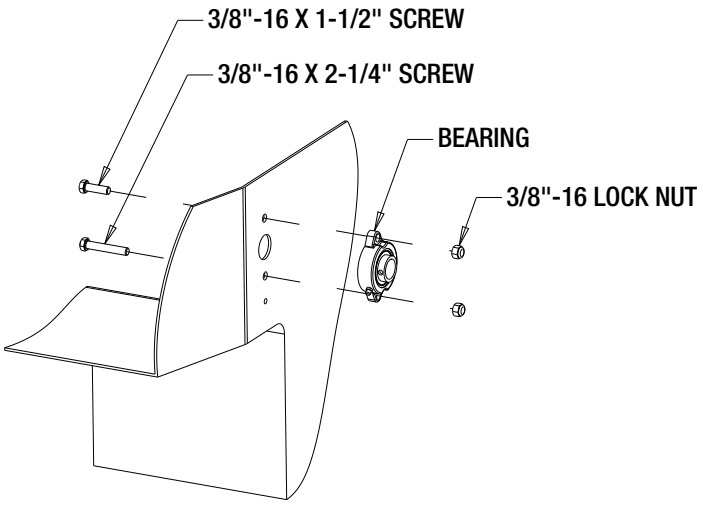


Figure 2

4. Assemble the detent lever to the driver's side of the dump body using a 1/4-20 x 7/8" cap screw, 1/4" SAE washer, spacer, 1/4" nylon washer, and 1/4-20 lock nut as shown in Figure 3.

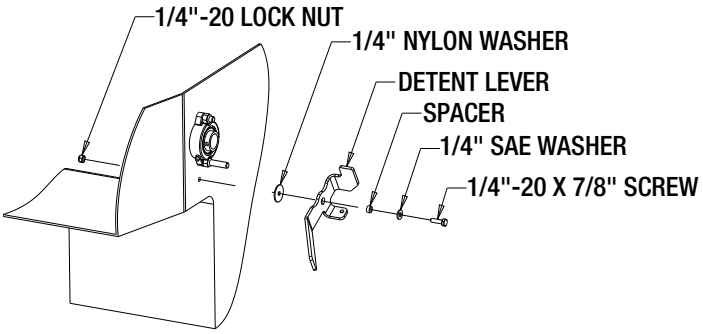


Figure 3

Bearing Installation with Detent Bracket (DTR1)

1. If the dump body is not pre-drilled for a tarp with a hole-pattern that matches Figure 4, determine the best 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. Also, verify the location is accessible for winding the tarp up. Once the location has been determined, drill the hole-pattern shown in Figure 4. Make sure that the holes on the driver's side and passenger's side are in line with each other.

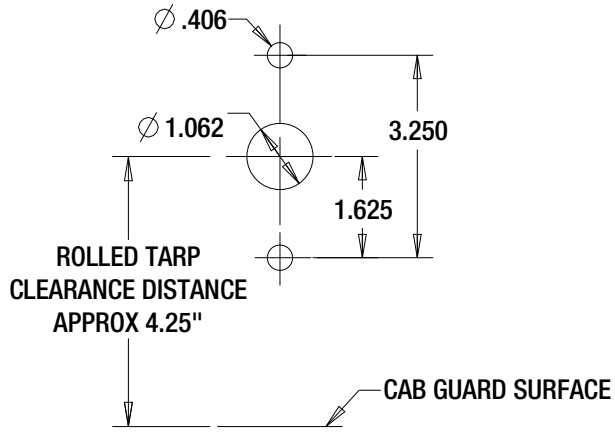


Figure 4: DTR1 Mounting Hole Pattern

2. Assemble one of the bearings in the passenger's side of the dump body using the two 3/8-16 x 1" cap screws, lock washers and nuts supplied. Do not tighten fasteners at this time, just hand tighten.
3. Assemble the detent mount bracket and second bearing to the driver's side of the dump body using one 3/8-16 x 1" cap screw, lock washer, and nut in the top mounting hole and one 3/8-16 x 2-1/4" full thread cap screw, lock washer and nut in the bottom mounting hole. Make sure the screws are facing outward. (See Figure 5.) Do not tighten fasteners at this time, just hand tighten to hold bracket in position.

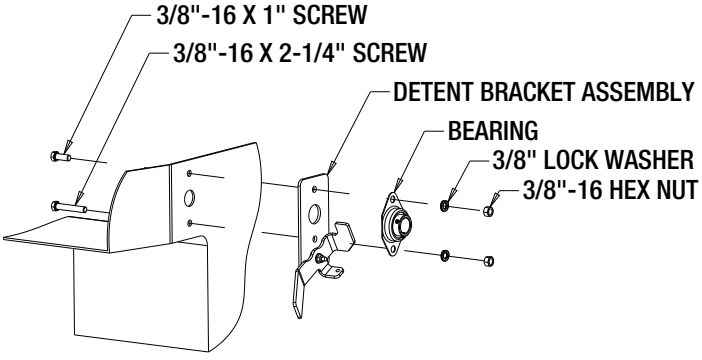


Figure 5

Tarp Roller Installation

4. Assemble shaft of driver's side roll tube assembly into the bearing on the driver's side bearing from the inside of the dump body. Slide the shaft into the bearing until the shaft adaptor is 1/4" from the cab guard and tighten the bearing's two set screws.

5. Locate the inner hex tube and make a pencil mark in the center of the tube's length. Insert the inner hex into the driver's side roll tube assembly until only 1" is exposed.
6. Assemble shaft of passenger's side roll tube assembly into the bearing on the passenger's side bearing from the inside of the dump body. Slide the shaft into the bearing until the shaft adaptor is 1/4" from the cab guard and tighten the bearing's two set screws.
7. Slide the inner hex tube out of the driver's side roll tube assembly into the passenger's side roll tube assembly until the mark made on the inner hex tube is centered between the two roll tube assemblies.
8. While supporting the roll tubes, screw each outer roll tube assembly to the inner hex tube using one 1/4" x 1" self-drilling and taping screw. Screw the tubes together 2" from the end of the outer roll tube.
9. Tighten the four 3/8" cap screws to secure the bearings in place.
10. Assemble the extension spring between the detent lever and the 3/8-16 x 2-1/4" full thread cap screw. Secure the spring in place by assembling the 3/8-16 lock nut on the end of the screw. Tighten the nut until 2-3 threads are exposed. (See Figure 6.)
11. Assemble sprocket onto the 1" shaft of the driver's side roll tube assembly. With the detent lever in the open position, slide the sprocket down the shaft until it is tight against the bearing and tighten the set screw(s). (See Figure 6.)

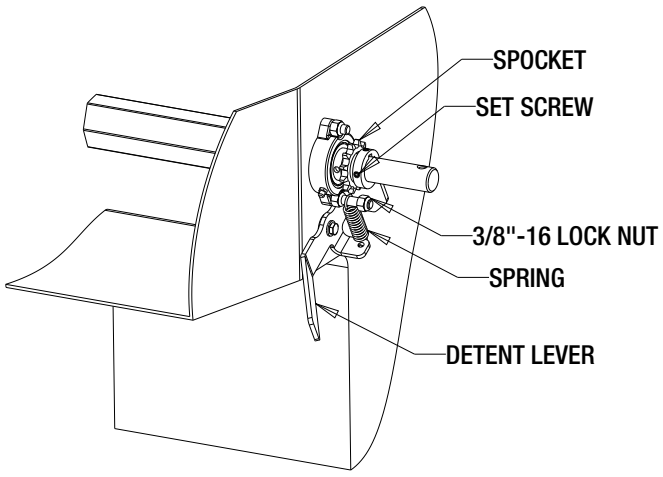


Figure 6

12. Assemble crank handle assembly onto the driver's side roll tube shaft and tighten set screw(s). This shaft may be shortened if there are no obstructions that will prevent free cranking. If shaft is shortened, the cut surface should be painted to prevent premature rust.
13. Assemble the tarp (sold separately for DTR1 Kit) to the roll tube assembly by screwing it in place with five evenly spaced 1/4" x 1" self-drilling tapping screws and fender washers. 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 on each end. 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.
14. Assemble the four S-hooks to the two tarp straps. 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 7, DETAIL B.)
15. Assemble pull rope assembly to the center-most grommet on the rear of the tarp. (See Figure 7, DETAIL C.)
16. 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 recommended distance between the hooks is 15-17". (See Figure 7, DETAIL C.)
17. 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 7, DETAIL A.)

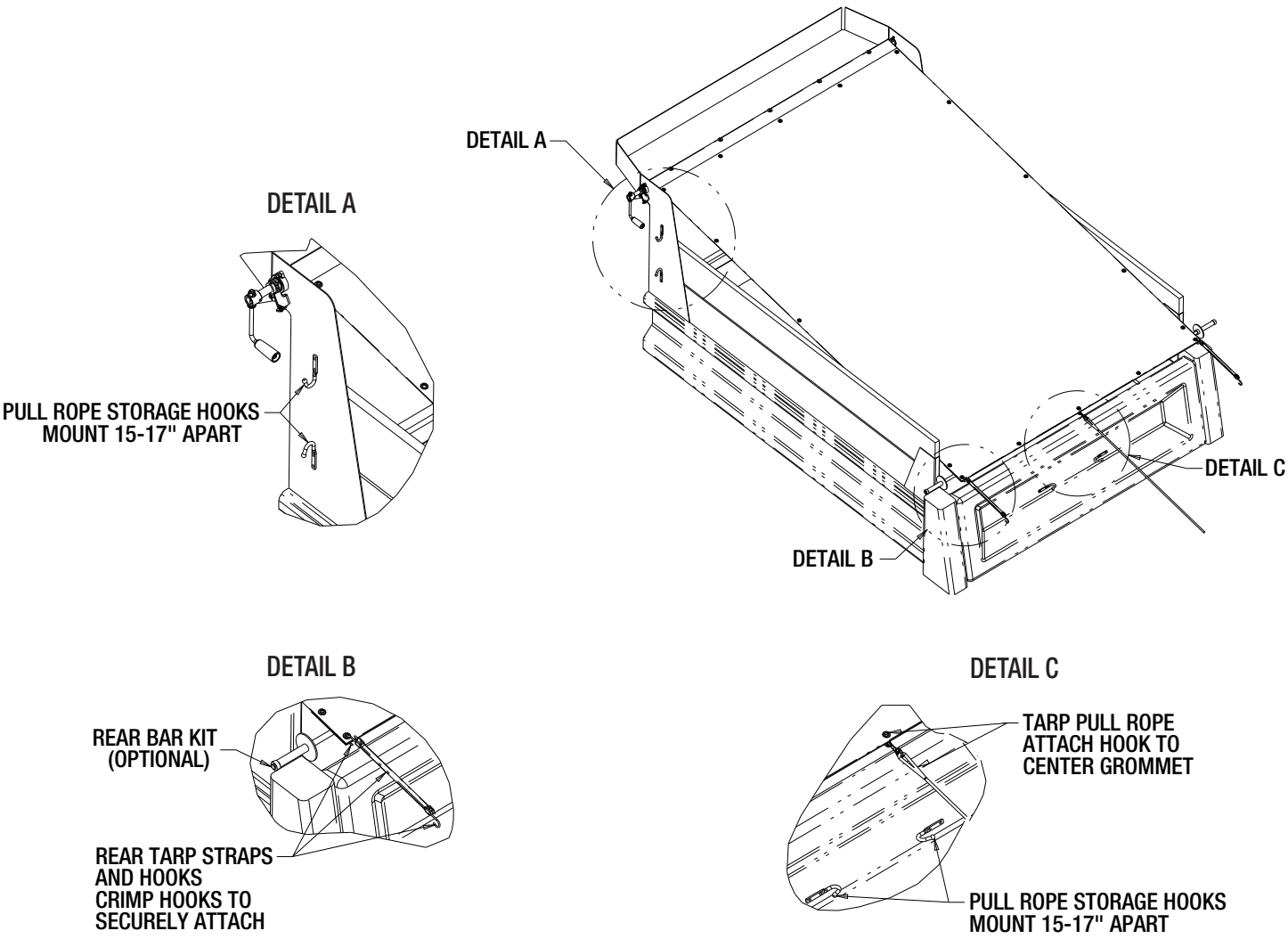


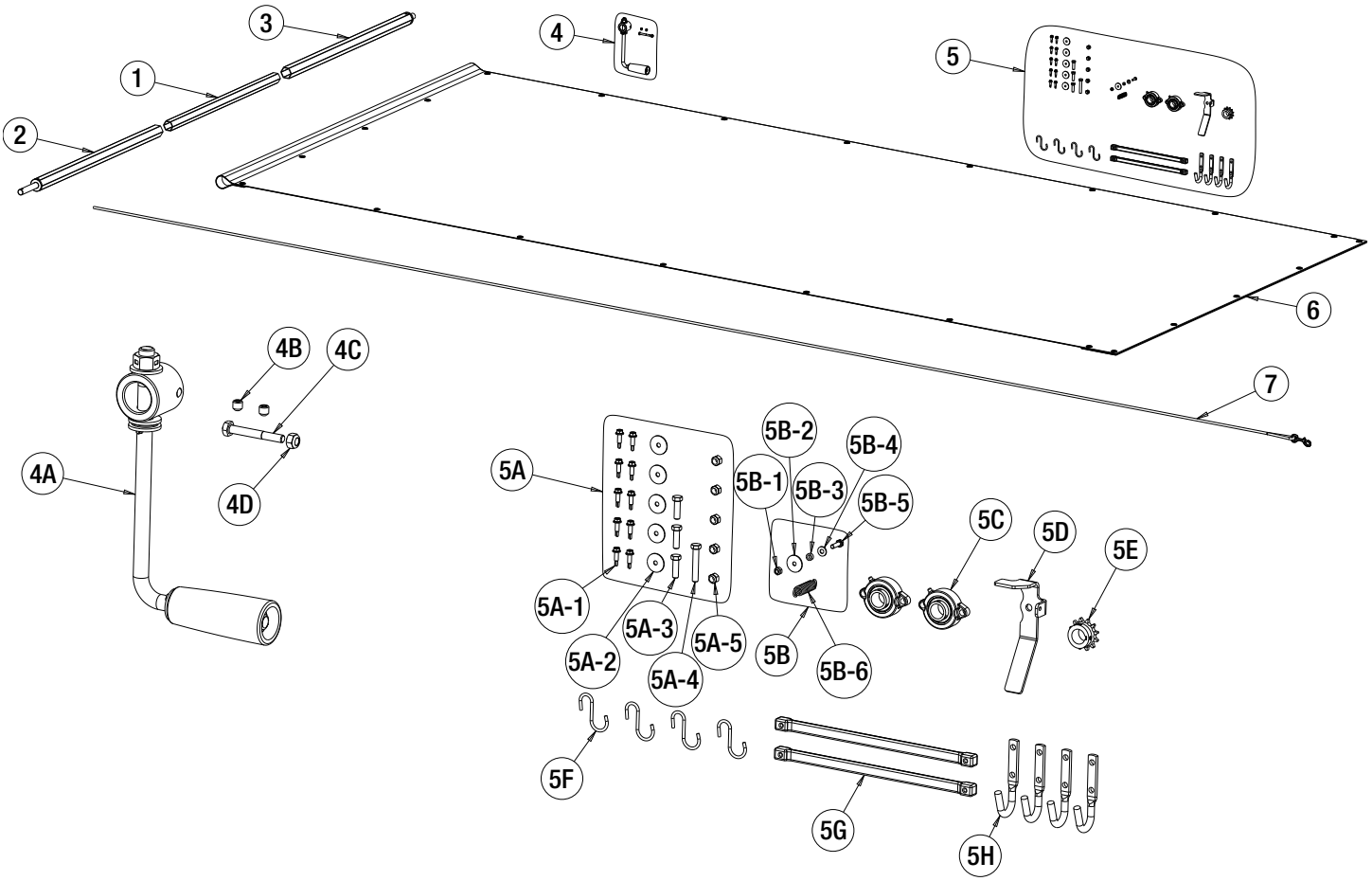
Figure 7

Optional Accessory

DTB102 Optional Retention Bow Kit Installation

1. Assemble outer bars to the center tube using the two 5/16" x 1" roll pins 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, guide washer, PVC roller tube, 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.

DT1R Dump Body Tarp Roller Parts List

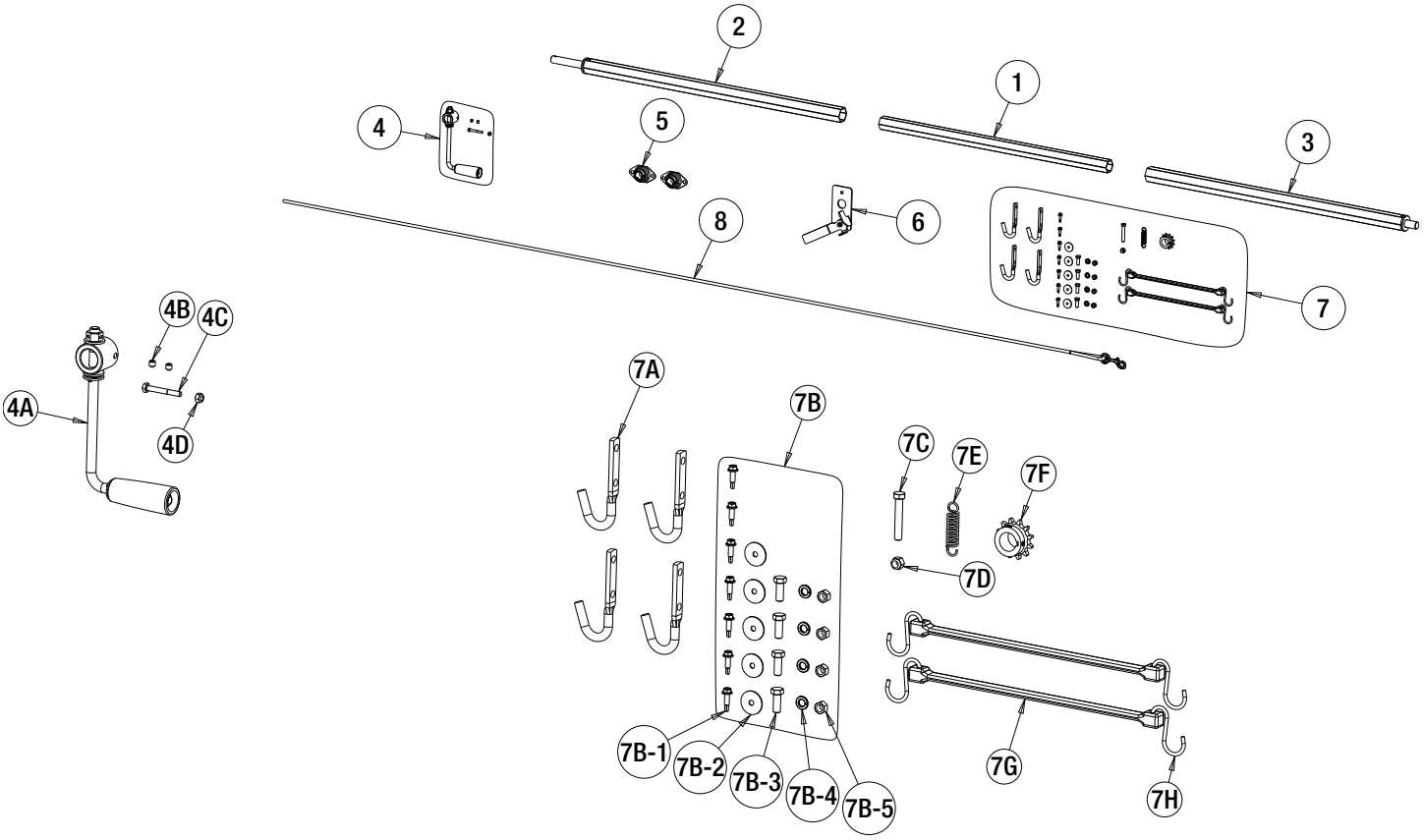


Bill of Materials

ITEM	PART NO.	QTY.	DESCRIPTION
1	3007954	1	Tube, Inner Hex
2	3008238	1	Roll Tube Assembly, Driver's Side
3	3008239	1	Roll Tube Assembly, Passenger's Side
4	3008176A	1	Crank Handle Assembly
4A	3015472	1	Handle Assembly
4B	3006644	1	Set Screw, 5/16"-18 X 5/16"
4C	3000838	1	Cap Screw, 1/4"-20 x 2", Zinc
4D	FNE025020031	1	Hex Nut, Locking, 1/4"-20, Zinc
5	3044407	1	Hardware Kit, DTR, No Brackets
5A	3025533	1	Hardware Kit, Tarp Roller
5A-1	3008222	10	Screw, 1/4" X 1" Self Drilling & Tapping, Zinc
5A-2	3008221	5	Fender Washer, .281" ID x 1-1/4 OD, Zinc
5A-3	FCS038016125	3	Cap Screw, 3/8"-16 x 1-1/4", Zinc
5A-4	FC038016225FT	1	Cap Screw, 3/8"-16 x 2-1/4", Full Thd, Zinc
5A-5	FNE038016044	5	Hex Nut, Locking, 3/8"-16, Zinc
5B	3025534	1	Hardware Kit, Detent Lever
5B-1	FNE025020031	1	Hex Nut, Locking, 1/4"-20, Zinc
5B-2	3009561	1	Nylon Washer, 1/4"
5B-3	4100S	1	Spacer Bushing
5B-4	FWF025063007	1	Flat Washer, 1/4" SAE, Zinc
5B-5	FCS025020088	1	Cap Screw, 1/4"-20 x 7/8", Zinc
5B-6	3009434	1	Extension Spring

ITEM	PART NO.	QTY.	DESCRIPTION
5C	3065095	2	Bearing, 1" Flange
5D	3009433	1	Detent Lever
5E	1411915	1	Sprocket, 12 Tooth
5F	9225	4	S-Hook, Tarp Strap
5G	TS15	2	Tarp Strap, 15" Rubber
5H	B2448C	4	Hook, Rope Storage
6	3009455	1	Tarp, 6ft X 14ft, Black Mesh
	3009456	1	Tarp, 7ft X 18ft, Black Mesh
	3009457	1	Tarp, 7ft X 20ft, Black Mesh
	3011035	1	Tarp, 7.5ft X 12ft, Black Mesh
	3022117	1	Tarp, 8ft X 18ft, Black Mesh
7	3008225	1	Pull Rope Assembly, 20'

DTR1 Dump Body Tarp Roller Parts List

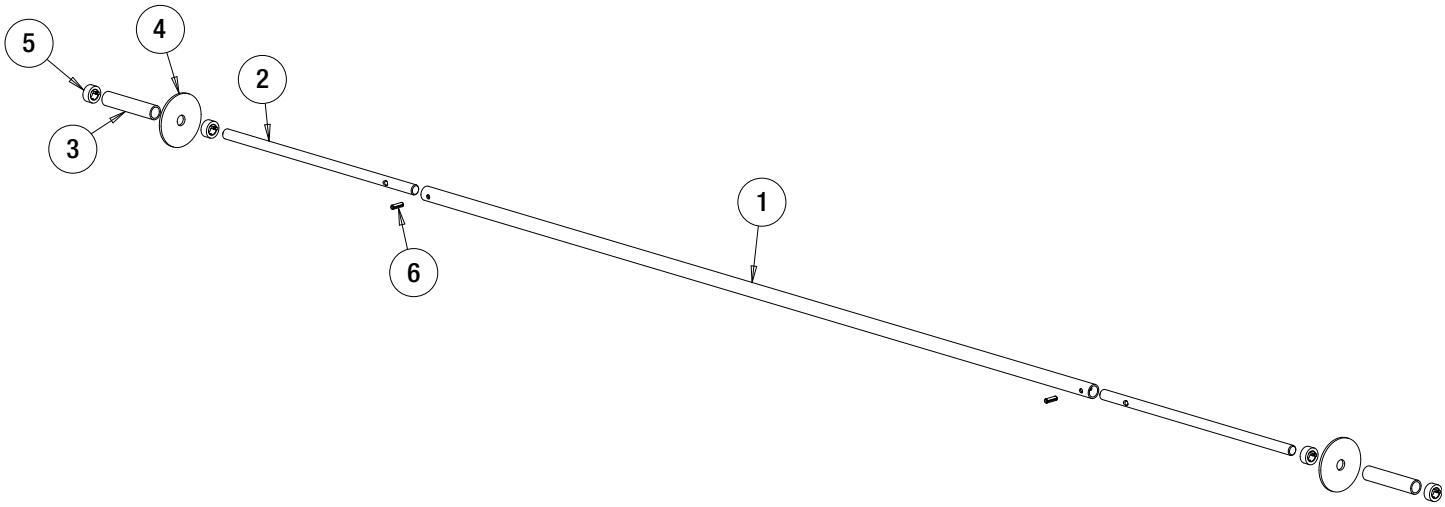


Bill of Materials

ITEM	PART NO.	QTY.	DESCRIPTION
1	3007954	1	Tube, Inner Hex
2	3008238	1	Roll Tube Assembly, Driver's Side
3	3008239	1	Roll Tube Assembly, Passenger's Side
4	3008176A	1	Crank Handle Assembly
4A	3015472	1	Handle Assembly
4B	3006644	1	Set Screw, 5/16"-18 X 5/16"
4C	3000838	1	Cap Screw, 1/4"-20 x 2", Zinc
4D	FNE025020031	1	Hex Nut, Locking, 1/4"-20, Zinc
5	3008175	2	Bearing, 1" Flange, Light Duty
6	3012945	1	Bracket Assembly, Detent
7	3060244	1	Hardware Kit, DTR1 Style Kits
7A	B2448C	4	Hook, Rope Storage
7B	3008223	1	Hardware Kit, Tarp Roller

ITEM	PART NO.	QTY.	DESCRIPTION
7B-1	3008222	7	Screw, 1/4" X 1" Self Drilling & Tapping, Zinc
7B-2	3008221	5	Fender Washer, .281" ID x 1-1/4 OD, Zinc
7B-3	FCS038016100	4	Cap Screw, 3/8"-16 x 1", Zinc
7B-4	FWL038069009	4	Lock Washer, 3/8", Zinc
7B-5	FNH038016028	4	Hex Nut, 3/8-16, Zinc
7C	FCS038016225FT	1	Cap Screw, 3/8-16 x 2-1/4", Full Thd, Zinc
7D	FNE038016044	1	Hex Nut, Locking, 3/8"-16, Zinc
7E	3009434	1	Extension Spring
7F	1411915	1	Sprocket, 12 Tooth
7G	TS15	2	Tarp Strap, 15" Rubber
7H	9225	4	S-Hook, Tarp Strap
8	3008225	1	Pull Rope Assembly, 20'

DTB102 Optional Retention Bow Kit Parts List



Bill of Materials

ITEM	PART NO.	QTY.	DESCRIPTION
1	3008306	1	Center Tube, Rear Bar Kit
2	3008307	2	Outer Bar, Rear Bar Kit
3	3008308	2	PVC Roller Tube, Rear Bar Kit
4	3008309	2	Guide Washer, Rear Bar Kit
5	3013330	4	Lock Collar, 20mm
6	3006487	2	Pin, Spring Roll, 5/16" x 1"

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