

Lift Conveyor and Truck Mount

Parts and Service

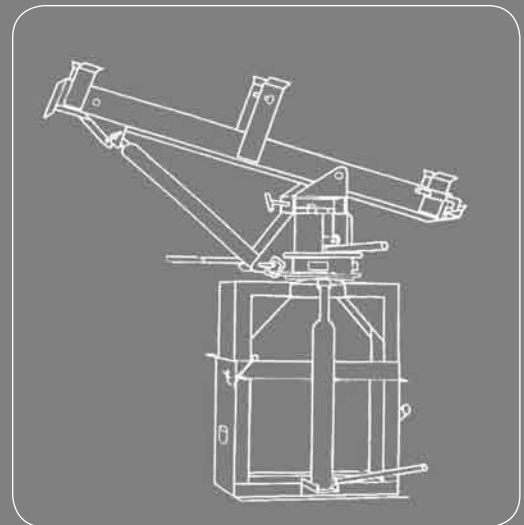
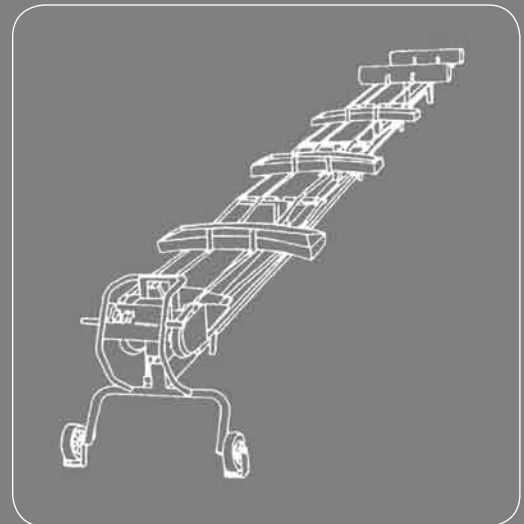
All parts pertaining to our products are readily available for immediate shipping by UPS or FedEx. Your choice of delivery is next day, second day, third day or ground service which takes 1 to 7 days depending on distance.

Our office hours are 8 a.m. to 5 p.m. Pacific Standard time Monday thru Friday.

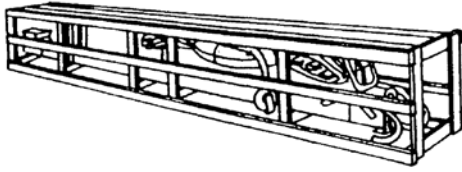
To Order Parts, Call:
1-800-225-0057

Also, if you need help please call us. We want to help so that you can get the very most out of our product.

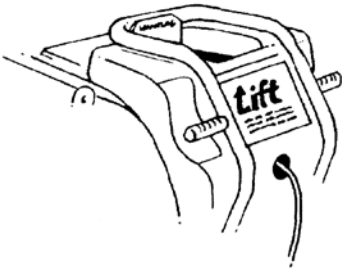
If you have an idea on how to improve our product or service please let us know. Your input is important to us.



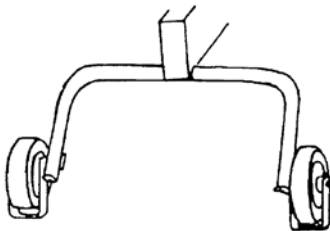
Receiving



Please check carefully upon delivery that all items below are included in the crate. If not, please call us immediately.



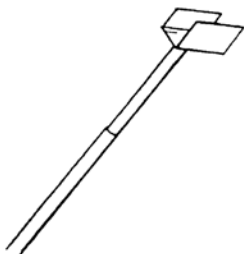
1 | Rear guard rail



2 | Wheel stand

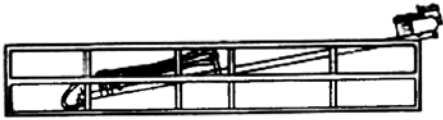


3 | Support belts



4 | 12' support pole (42' conveyor only)

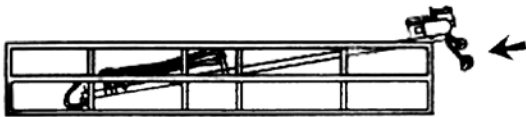
Unpacking



1

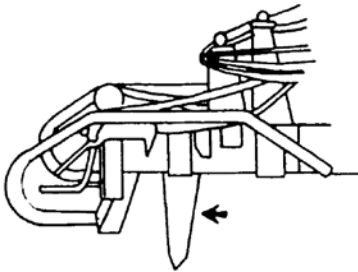
Open up crate top.

Pull back conveyor and rest rear end on crate cross member as shown.



2

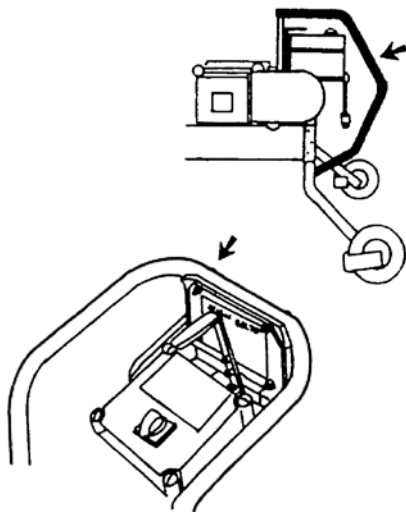
Attach wheel stand and tighten the **two** bolts.



3

Turn and lock gutters stand downward as shown.

Lift the conveyor out of the crate.



4

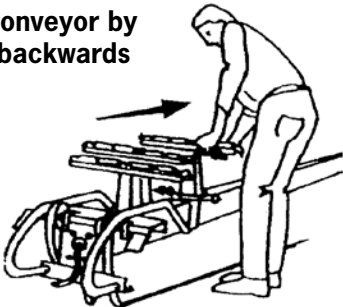
Attach the rear guard rail as shown.

VERY IMPORTANT!

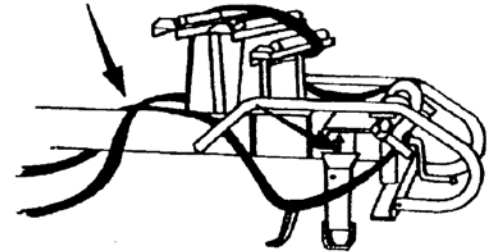
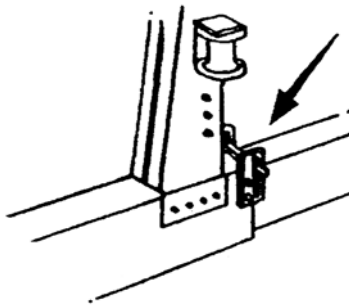
When setting up the conveyor it is **VERY IMPORTANT** that the belts are set up properly for correct operation. Please take the time to read the 'Operating Instructions' carefully **BEFORE** attempting to set up the LIFT Conveyor.

After you have set the Roof Stand in place and unwound and placed the belt on the ground on both sides of the conveyor **KEEP THE CROSS-OVER of the belt where it is.**

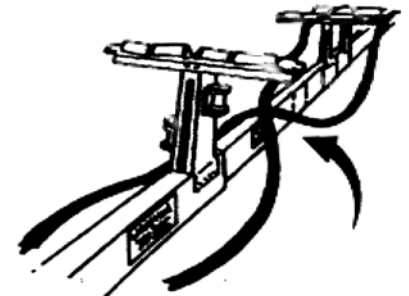
Extend conveyor by pushing backwards



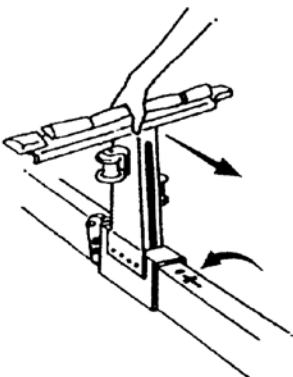
Check that locking device falls into red marked slots



Move belt cross-over to 'X' mark on frame



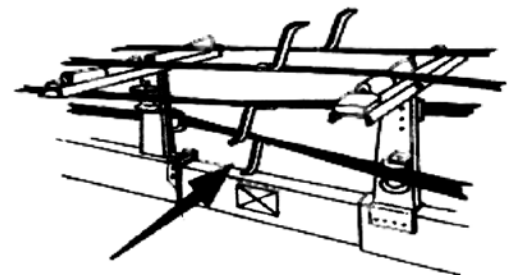
Move and lock sliding tower to red 'T' Mark



Lay out belts on top of rollers and place on drive pulleys



BE SURE TO CHECK... that the belt is on the vertical guide rollers and the cleats are facing the correct way!

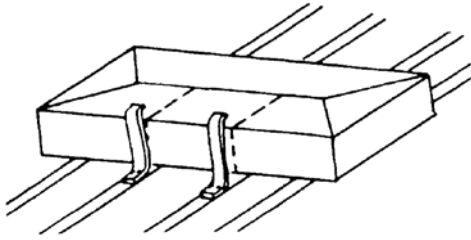


Cleats on the bottom belt return MUST face OUTWARD and DOWN at the cross-point.

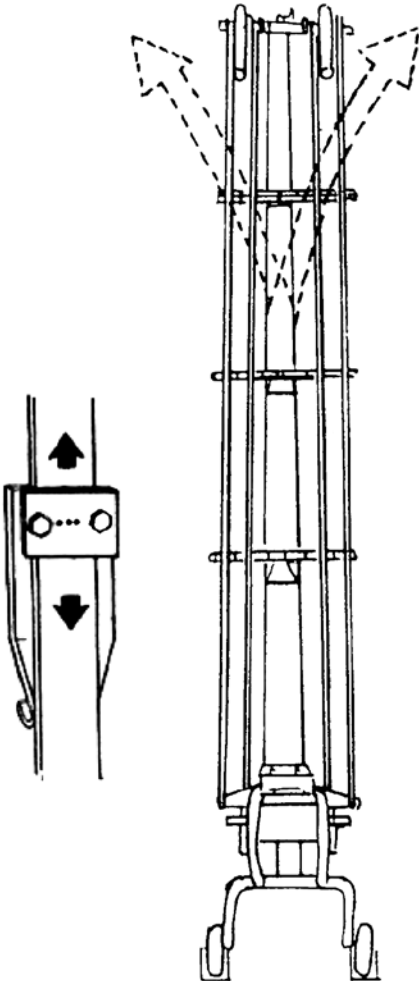
If you have problems setting up the Conveyor, please call us and we'll talk you through.

1-800-225-0057

Support Belts



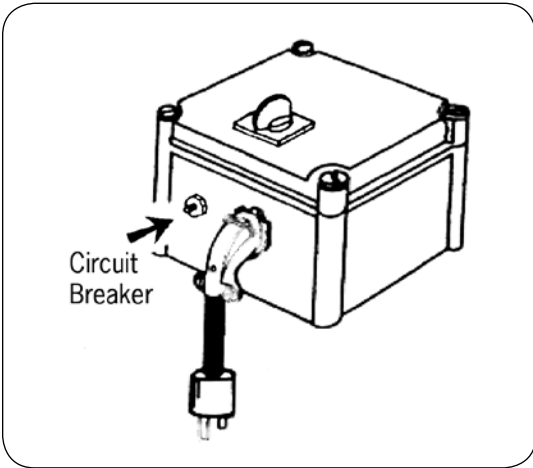
Use support belts on all wide material.



If the conveyor is bent:

Adjust support belts to straighten the conveyor.

Power



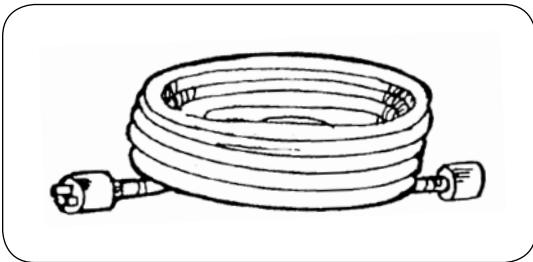
Operate the Lift on Standard 110-120v single phase current.

The Lift has built-in protection against improper voltage. **The circuit breaker automatically trips if:**

1. The power is less than 110v.
2. The conveyor is overloaded.
3. The extension cord is too long or thin.

If the breaker trips:

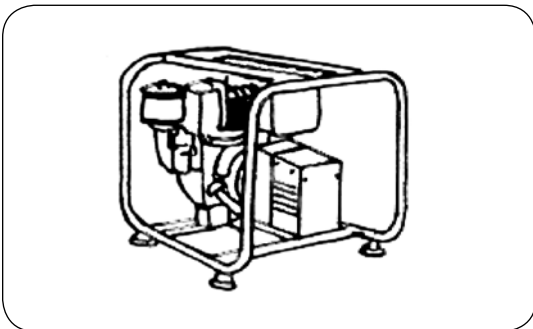
1. Turn the cam switch to the off position.
2. Wait 30 seconds.
3. Reset the circuit breaker.
4. Reverse the conveyor and off-load the excess material if needed.
5. Switch the conveyor to forward and continue loading.



For best performance, use 8 or 10 gauge extension cord.

We recommend a cord no longer than 100 feet.

When no electrical power is available, operate the conveyor from a generator with *minimum* output of 5000 watt.

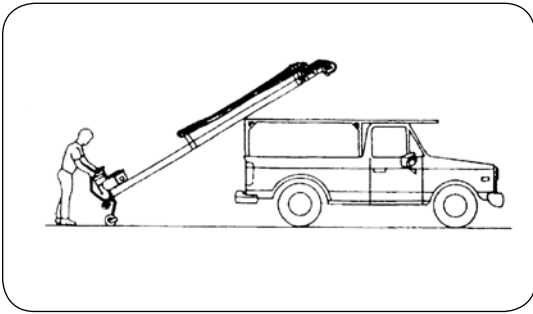


Wire Size For 115 & 230 Volt Single Phase Circuits

Distance - Motor To Fuse or Meter Box - Feet

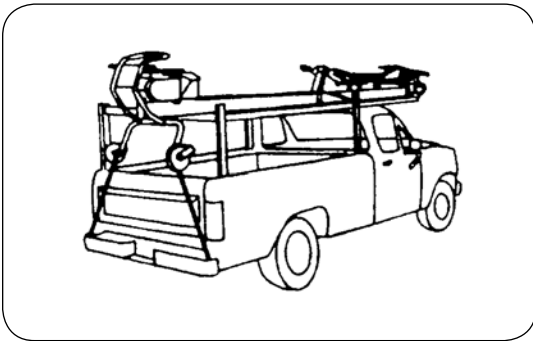
Motor HP	100 Ft.		200 Ft.		300 Ft.		500 Ft.	
	115V.	230V.	115V.	230V.	115V.	230V.	115V.	230V.
1/4	#14	#14	#10	#12	#8	#10	#6	#8
1/3	#12	#14	#10	#12	#6	#10	#4	#8
1/2	#10	#12	#8	#10	#6	#8	#4	#6
3/4	#10	#12	#6	#10	#4	#8	#2	#6
1	#8	#10	#6	#8	#4	#6		#4
1-1/2	#4	#10	#0	#8		#6		#4
2		#8		#6		#4		#2
3		#8		#6		#4		#2
5		#6		#4		#2		#0

Transportation



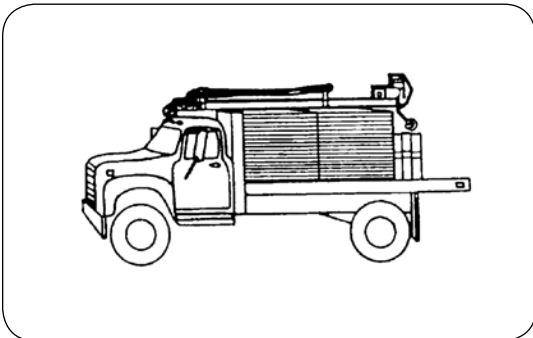
Loading on pickup truck lumber rack

1. Place conveyor behind the truck.
2. Place the conveyor top end on the lumber rack cross member.
3. Go behind the conveyor and push/slide onto rack.



Securing

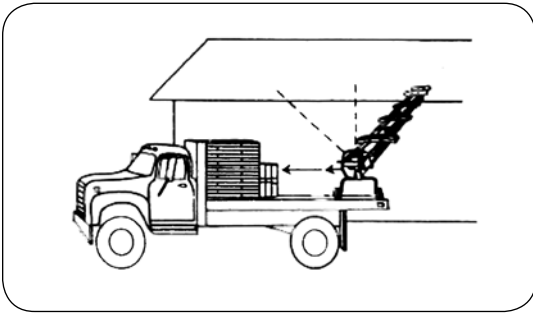
To avoid conveyor movement, tie down the wheel axles to the bumper. Secure the front end of the conveyor to the rack.



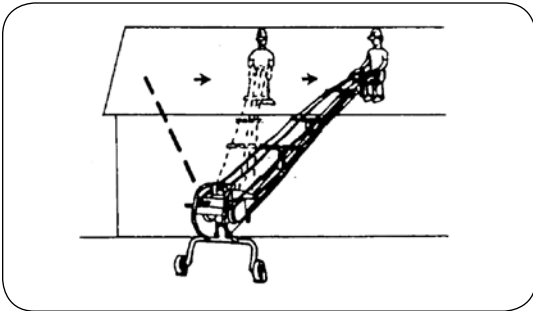
Loading on flat-bed truck

1. Place conveyor on top of the load and secure.
2. Leave three feet free space to operate the lift from the bed.

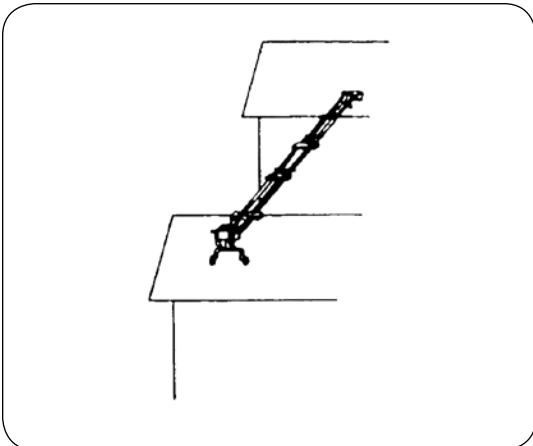
Portability



The Lift Conveyor is “the” access machine. Think portability, avoid walking. When off-loading roofing material from a truckbed, move the lift along the bed to avoid walking.

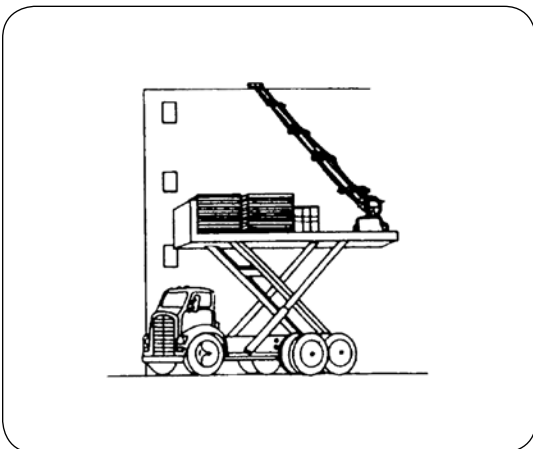


The crew on the roof should move the conveyor top end to cut down on steps.



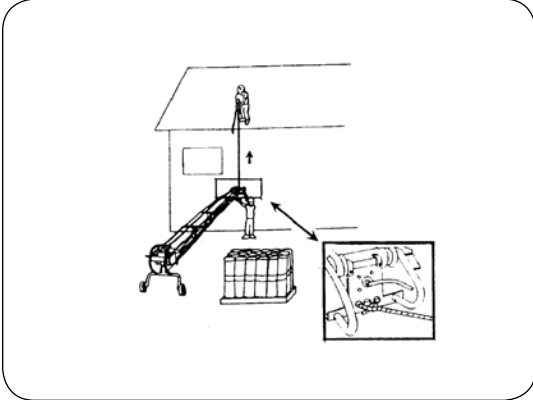
Think Access!

How about running the conveyor from the first story roof up to a hard-to-reach second story?

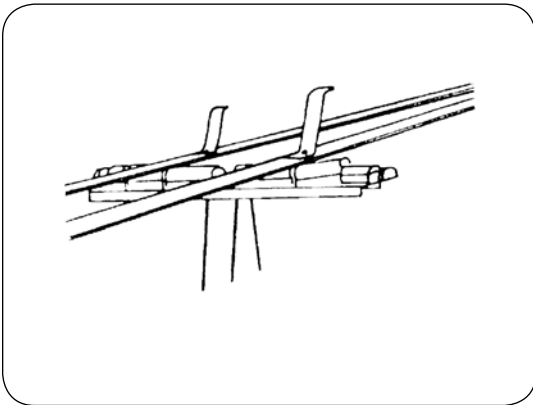


Why not four stories off the back of your lift-bed truck?

Setting Up the Lift

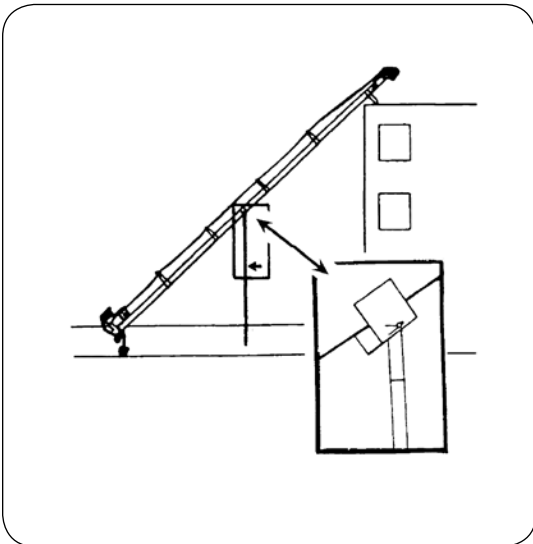


Tie a rope through the holes in the top frame and hoist the conveyor to roof.



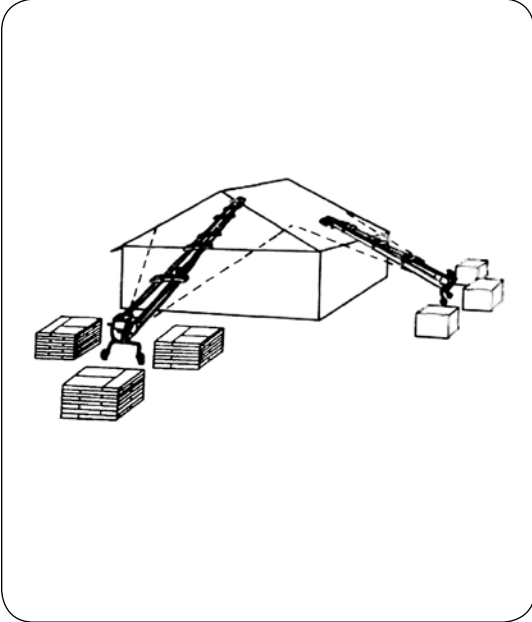
It is important that the drive belts are running with full support of the belt rollers.

If not, the belt will tilt and catch on the cross member.



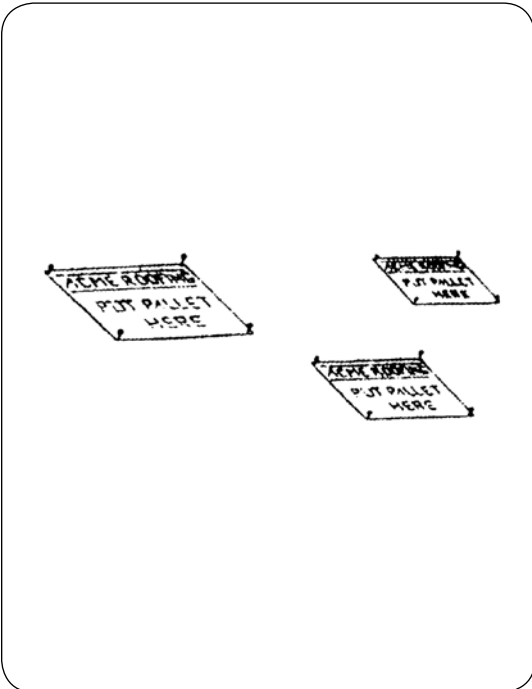
When operating the 42' Lift, always use the support pole.

Ground Drop of Material



Plan the ground drops carefully and save time and labor.

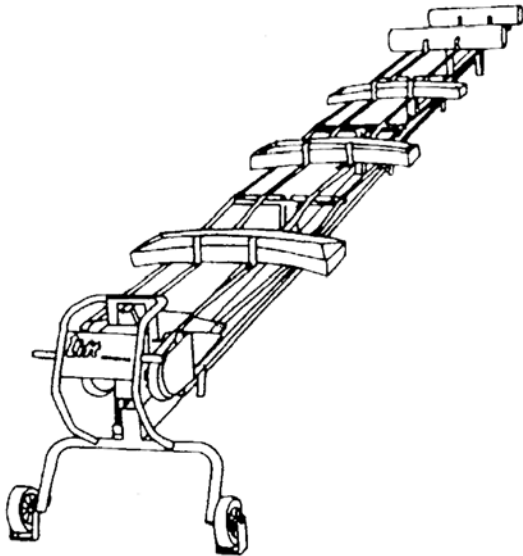
Place the pallets in a triangle with space for the conveyor in the center. This eliminates walking and cuts the loading time dramatically.



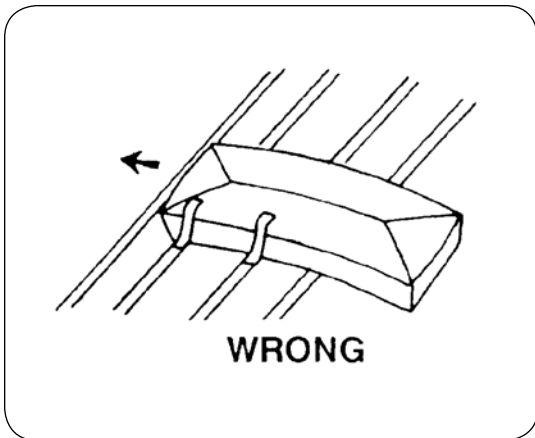
Help your supplier to make a correct delivery. **Try this:**

Print inexpensive cardboard signs with your name and phone number. Instruct driver to place one pallet on each sign. This is also good advertising that might bring additional business from other builders.

Center Load and Level Conveyor

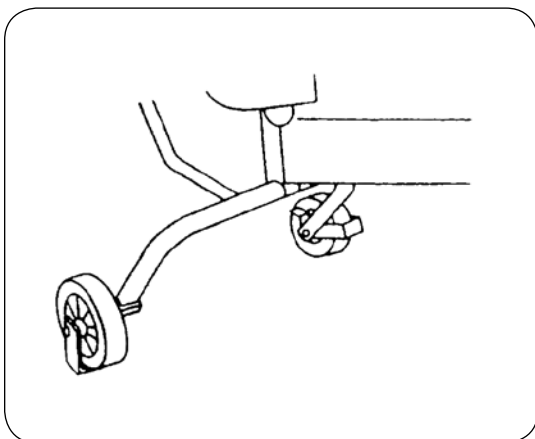


If the conveyor is not level, the material weight will drag the belts sideways and cause the material to fall off.



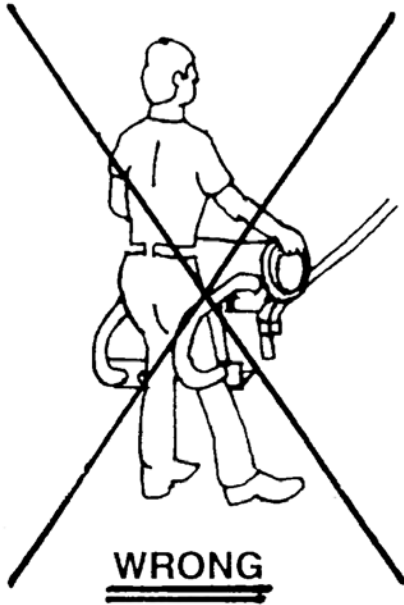
An unbalanced load will have the same effect.

CENTER THE LOAD!

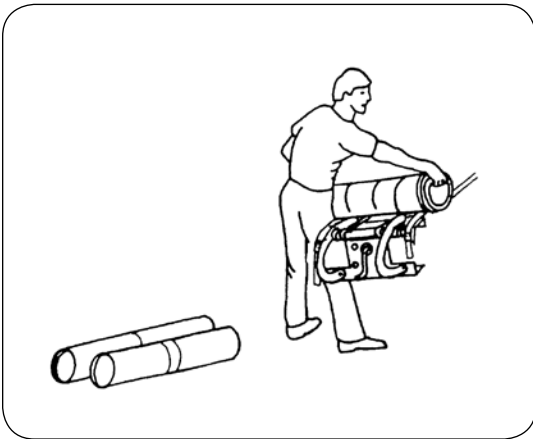


Level conveyor by propping under wheel stand.

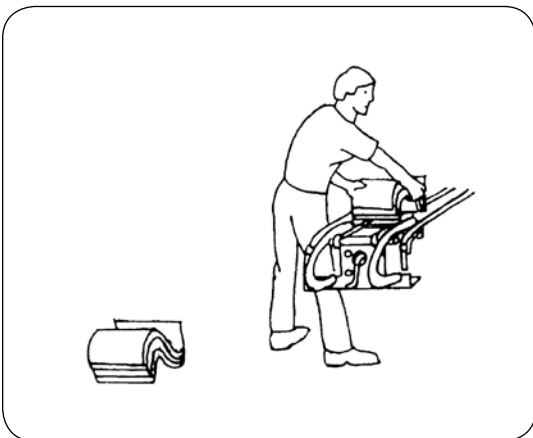
Off-Loading



Do not off load from the front.
The belt cleat can cause
injury or damage to material.

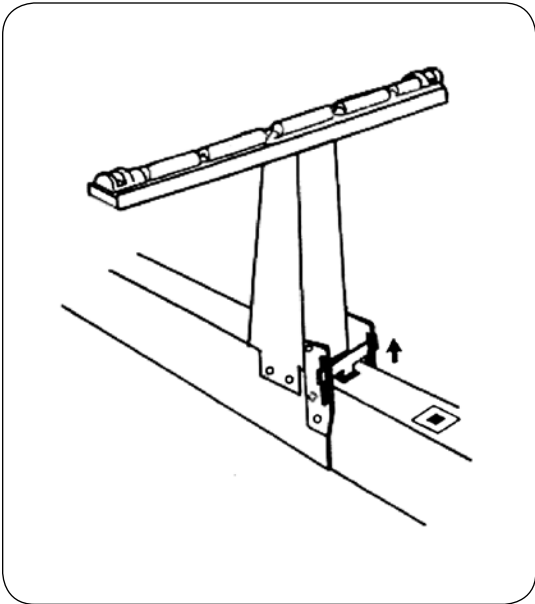


Correct position.



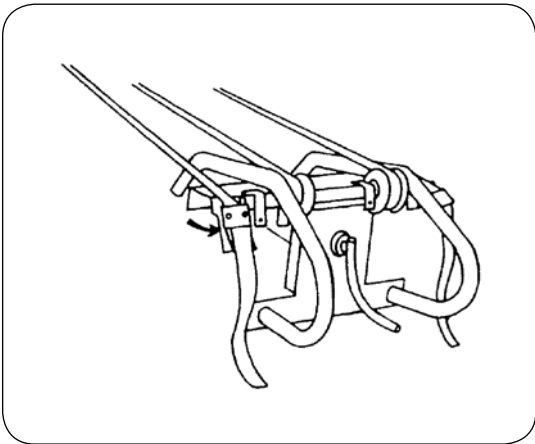
Correct position.

Maintenance Belts



Drive Belts

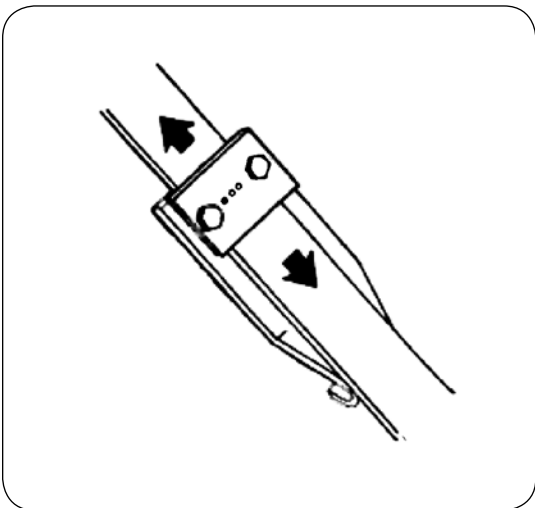
As the belts wear, they will stretch. If the crank extension can not take up the slack, release the locking pad and extend the top tubing until the pad drops into the second notch. (See diagram.) Turning the crank will now tighten the belts.



Support Belts

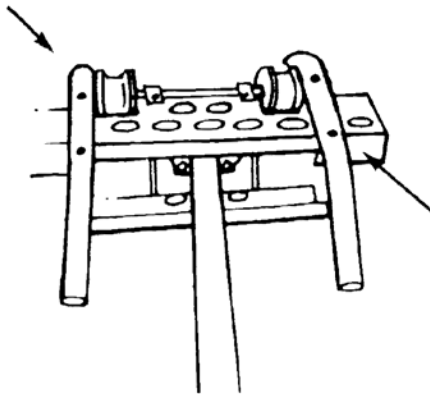
Your Lift Conveyor is equipped with a set of support belts. Use them for loading wide materials such as composition shingles, rolled goods, plywood, wood shakes, insulation, etc.

Proper support belt adjustment is necessary for good conveyor operation. The main tubing will bend if one belt is shorter than the opposite belt. To correct this problem, loosen the hook pad and adjust to equal tension. Move hook approximately 1 inch at a time.



The drive belts will stretch. When this occurs, adjust the support belt to equal tensions.

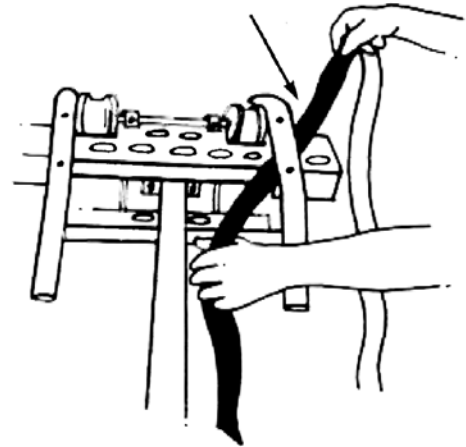
THE SINGLE BELT Installation Instructions for Lift Conveyor



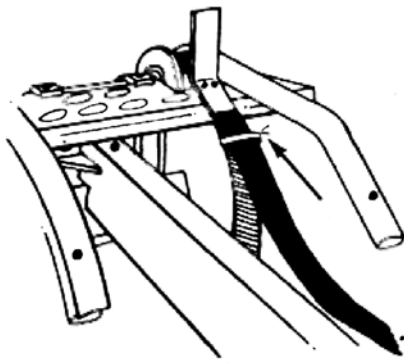
STEP 1

Remove the four 1/4" bolts securing the two guard rails. (From underneath the top plate.)

STEP 2



IMPORTANT!! - Start on the right side. Slip the belt under the guard rail and on to the top roller.

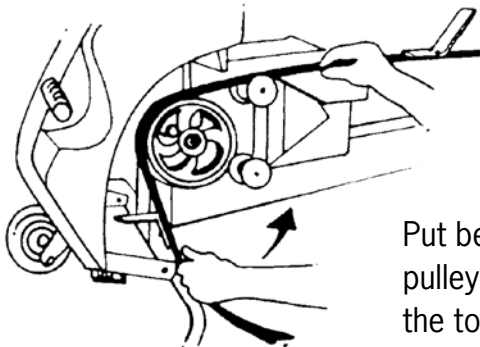
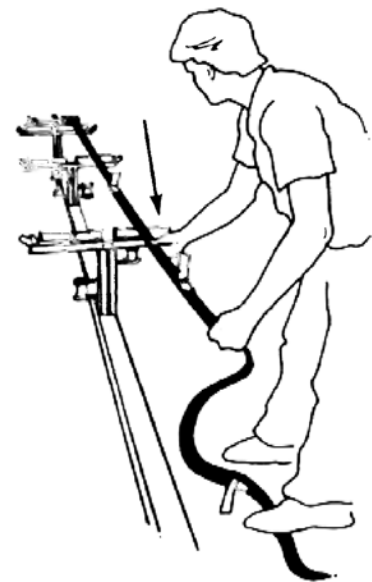


Clamp or tie the two belts together as shown. This is temporary to prevent the belt from moving during installation.

STEP 3

STEP 4

Lay out belt over the rollers on the right side toward the drive pulley. Make sure the belt is NOT twisted.



STEP 5

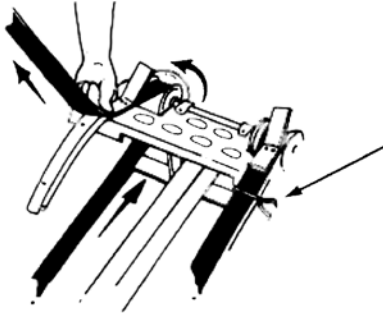
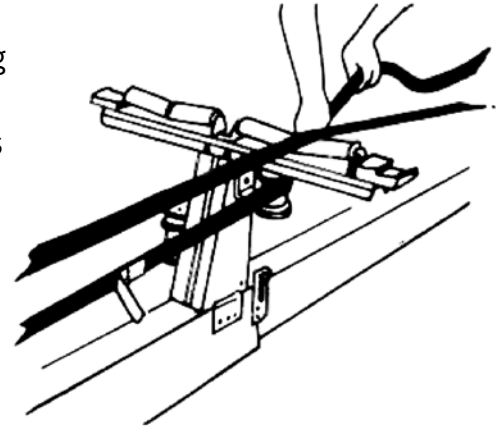
Put belt around the right side drive pulley and continue back toward the top of the conveyor.

See next page for further instructions »

THE SINGLE BELT Installation Instructions for Lift Conveyor (cont.)

STEP 6

Lay belt over the vertical guide roller and **CROSS OVER** to the **LEFT SIDE** continuing toward to the top roller. You will find that the belt needs a **HALF TWIST** at the cross over point. **CLEAT FACING DOWN.**

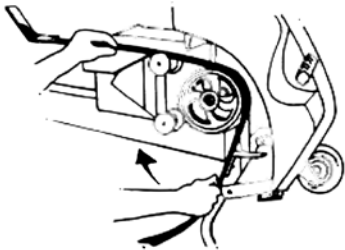
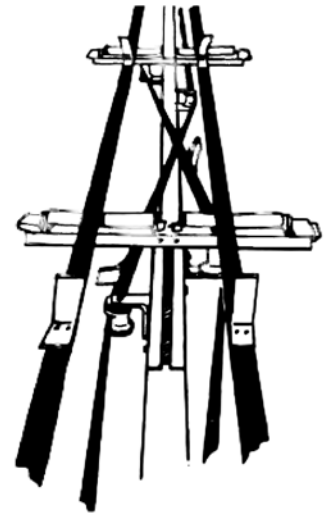


STEP 7

Loop under top plate and slip the belt on to the left side top roller.

STEP 8

Continue laying out the belt over the rollers toward the left side drive pulley.

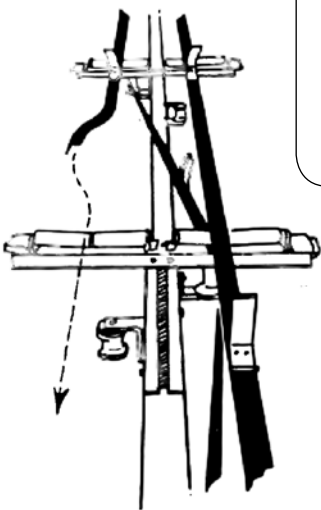
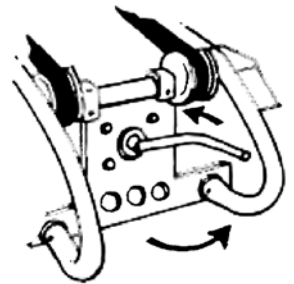


Put the belt on the left side drive pulley.

STEP 9

STEP 10

Before tensioning the belt, release the tie on the belt where you started, then crank counter clockwise to apply tension to the belt.

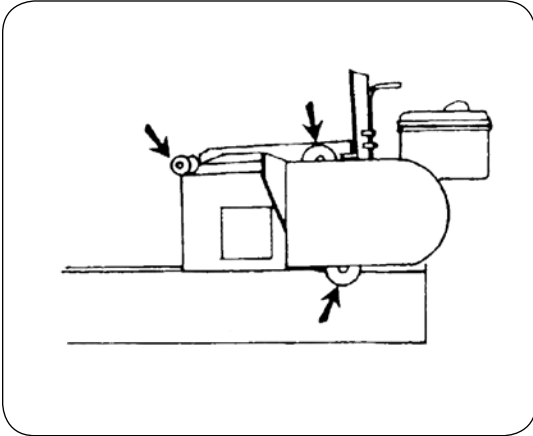


STEP 11

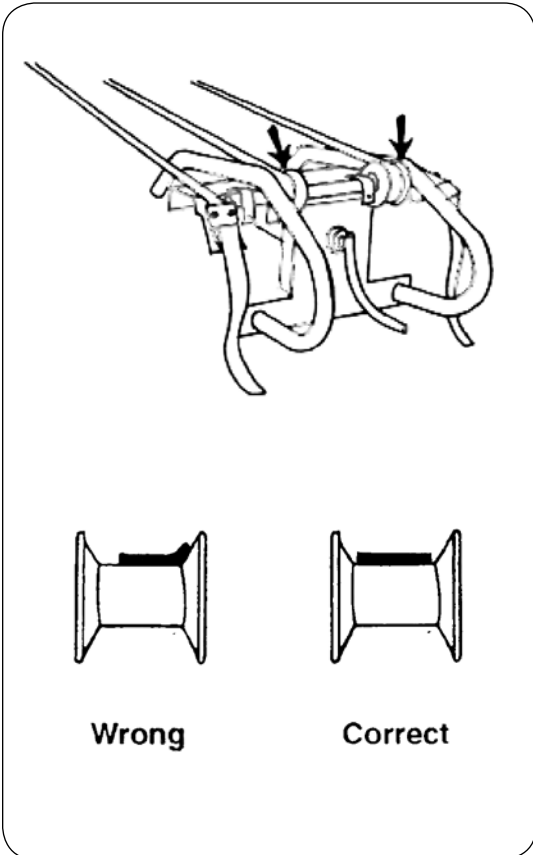
CHECK!! that the belt is on the vertical guide rollers and cleats are facing the correct way - **OUTWARDS AND DOWN AT THE CROSS POINT.**

Briefly start and stop the conveyor a few times, checking that the belt cleats are facing the correct way. Insert and tighten the 1/4" bolts at the top guard rails.

Maintenance Belt Rollers

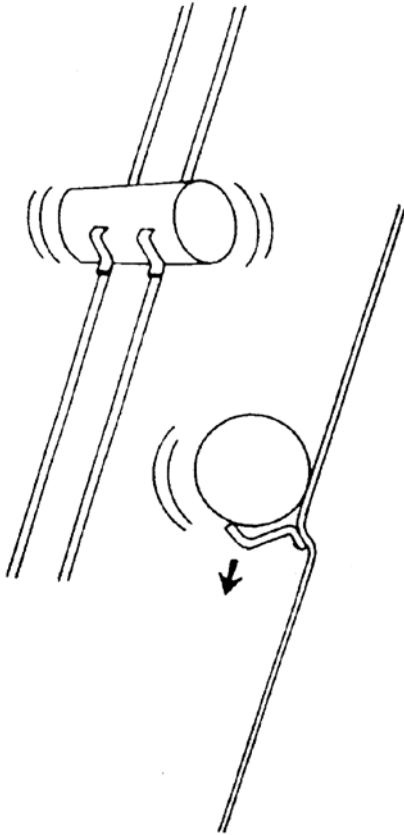


Check that all rollers are moving freely and are not damaged.
A chipped or jammed roller will wear the drive belts.



Also, check that the drive belts are running centered on rollers.

Loading Tips



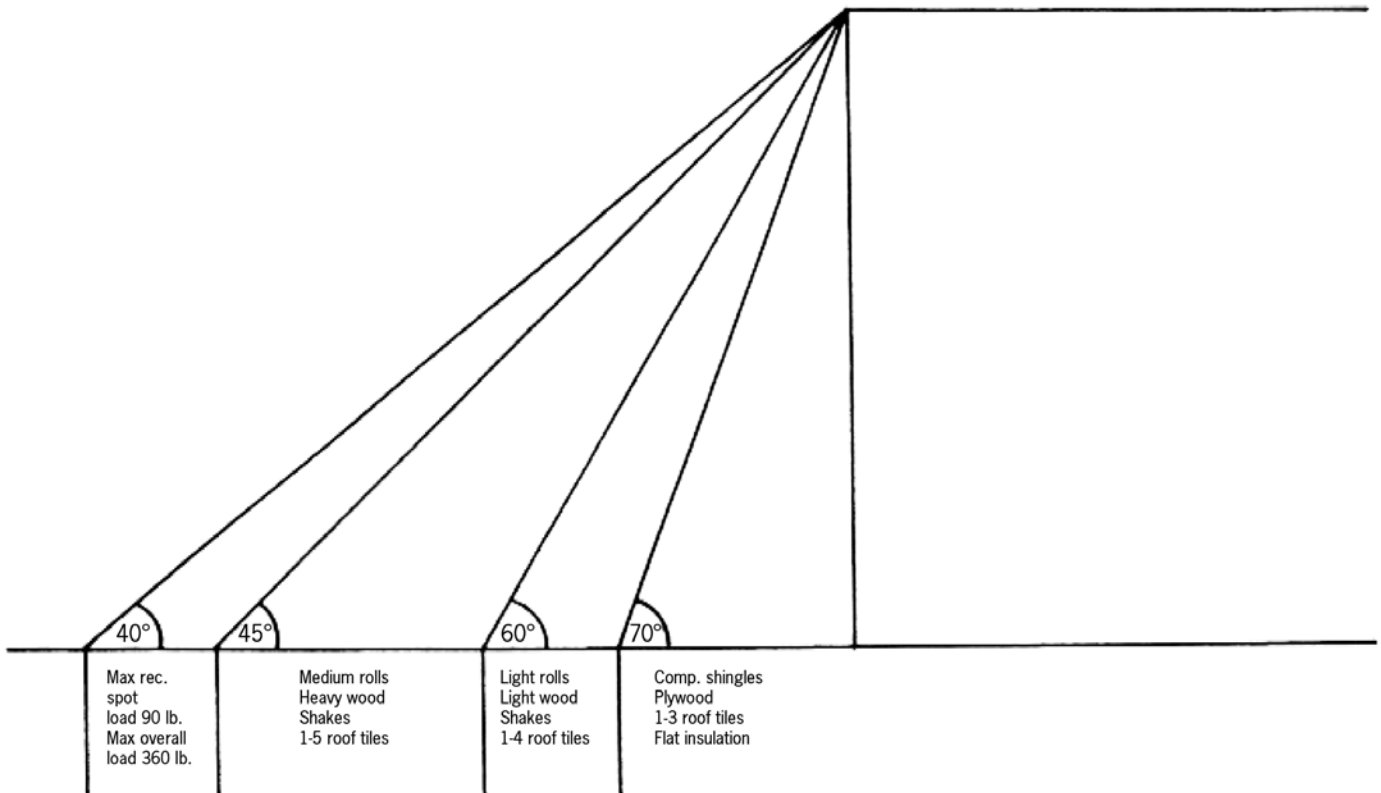
CAUTION

Use common sense.

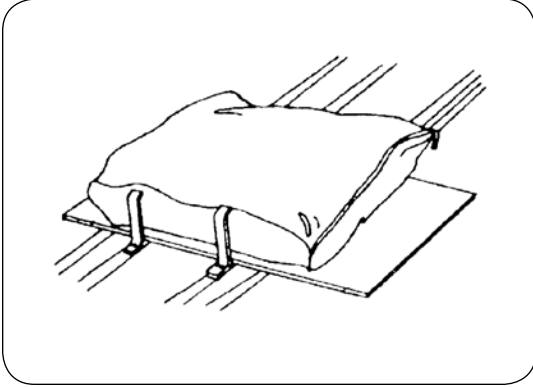
DO NOT ATTEMPT TO LOAD HEAVY MATERIALS TOO STEEP. IT IS DANGEROUS TO THE OPERATOR.

Maximum recommended incline

The below chart reflects our recommendations for safe loading. Various material shapes affect the conveyor differently.

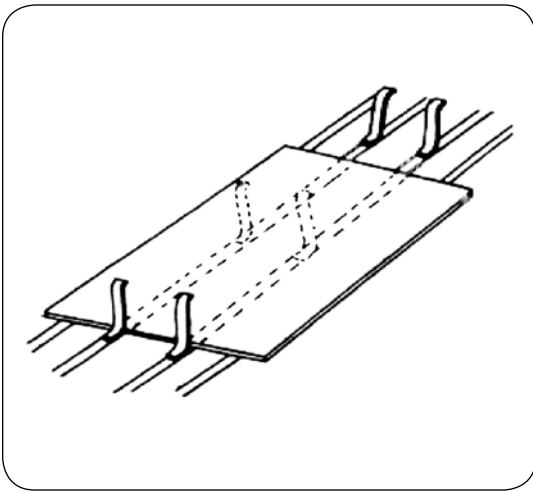


Loading Tips



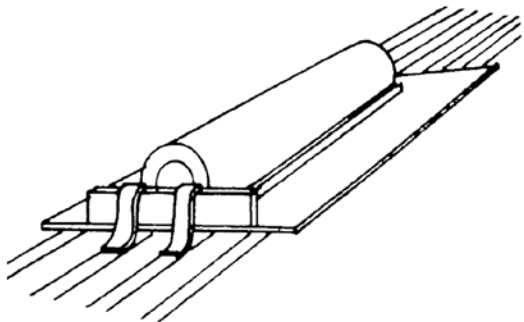
Gravel and rock

To prevent bags from tearing, cut thin plywood sheets 16" x 36" for support.



For plywood or drywall, remove every other cleat.

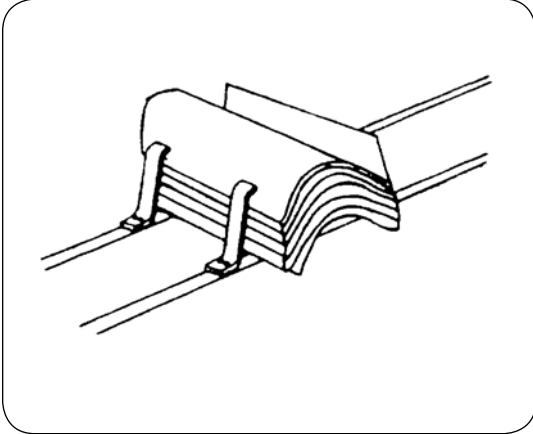
Heavy rolls - 100 to 200 lbs.



CAUTION

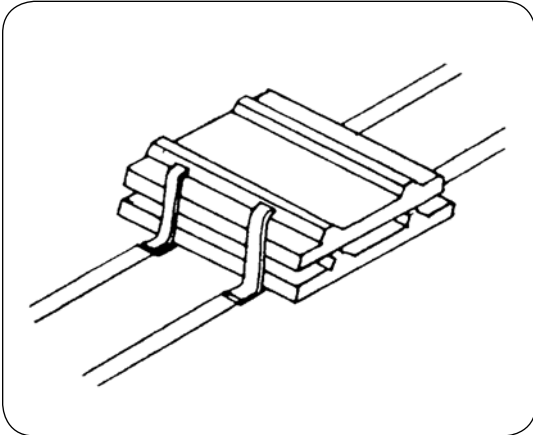
Make a 3' x 6' plywood raft with stop on the end and side supports. Move these heavy rolls lengthwise.

Loading Tips

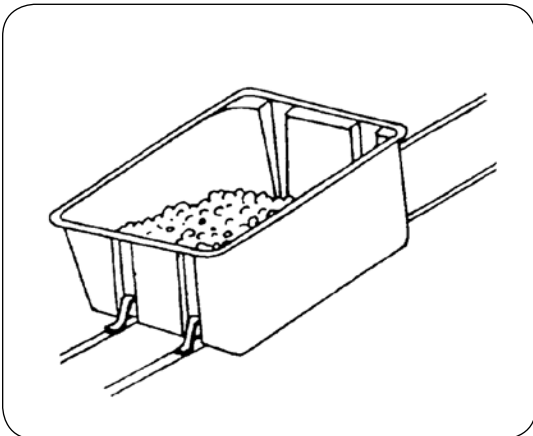


Roofing Tile

When loading tile or slate, support belts are not needed. The lift can handle up to five tiles at each cleat. The amount will vary depending on the tiles weight and shape.



If the tile has a heavy lug, it will ride smoother with lugs up.

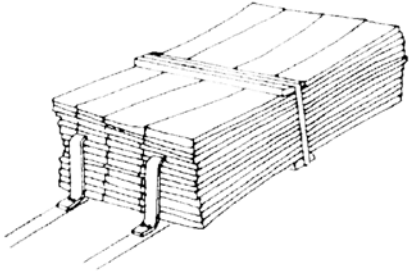


Gravel Bin

The durable plastic gravel bin is available from Lift Conveyor. Use it for bulk loading of rock, gravel, mud or tools.

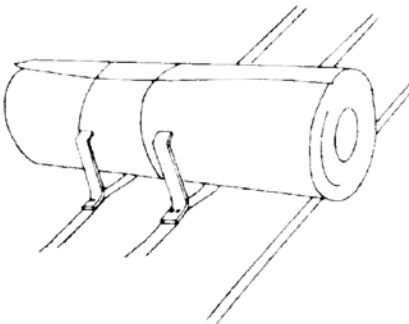
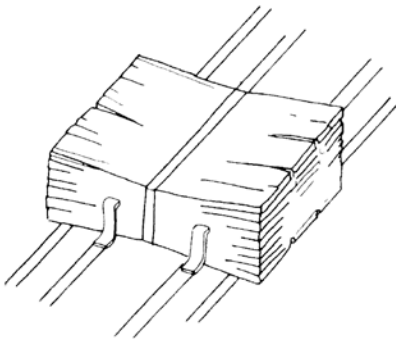
Comes in handy for off-loading loose debris. Bin measures 10" x 18" x 24".

Loading Tips



Wood Shakes and Shingles

Use of support belts is not necessary when loading wood shingles. Place the bundles lengthwise on the belts. Use support belts when loading wood shakes. Place bundle across the belts.



Rolled Goods

Maximum weight: 90 lbs

Maximum incline: 45°

(See instructions on previous page for heavier rolls)

Maintenance

The Lift Conveyor, made from aluminum and nylon, is virtually maintenance free. However, dirt can accumulate on the telescoping tubings and cause them to stick. To correct this problem, fully extend the lift and wash the sliding tubes with detergent and water or use a liquid metal cleaner. Rinse with water.

Tile chips, gravel, or dirt can cause rollers to stick or squeak; hose off the conveyor with water.

Parts

Parts are normally available for immediate delivery. We ship daily by UPS or Federal Express throughout the country.

If you are in a hurry:

Please allow us a few hours for processing and packing a next day order. The next day order should be called in no later than 1:00 p.m. (Pacific Standard Time).

The following explosive view of the conveyor will be helpful when determining what to order.

Troubleshooting on Power Unit

1. Check voltage at power source. should be 110-115 volt.
2. Check extension cord. Should always be 10 or 12 gauge.
3. Check 3-prong plug on conveyor. it could be a loose lead inside plug.
4. Check all connections for loose wires.
5. Bypass circuit breaker by connecting direct to switch.
6. To determine if switch is bad: bypass the switch as follows:
7. Open the connector box on the motor. Tape together lead #T-2, T-3 and T-8. Using a pigtail connect T-4 and T-5 to black, and T-1 to white. If the motor is running the problem is in the switch.
8. To check speed reducer: separate speed reducer from motor. You should be able to spin the input shaft with your finger feeling no resistance or scraping.

Parts listing Lift Conveyor US-03

Single belt conveyor. 35 and 42'

Abbreviations: **PU** = Power unit
S1 = Section # 1
S2 = Section # 2
S3 = Section # 3
GS =Gutter stand
TB =Towers with cross bars
T = Top section
W =Wheel stand/rear guard rail
B = Belts and belt cleats

PART NO.	DESCRIPTION	QTY
PU 1	Gear box 40-1 or 30-1	1
PU 2	Top plate on gear head	1
PU 2A	Bar on top plate	1
PU 3WW	Electric motor 1 hp	1
000255	Starting capacitor	1
PU 5	14/6 Cord w. connectors	1
PU 6	Foundation lower guide rollers	1
PU 7	Drive pulley	2
PU 7A	Key for drive pulley shaft	2
PU 8	Rubber friction sleeve	2
PU 9	Pulley guard	2
PU 12	Load platform right	1
PU 13	Load platform left	1
PU 14	Frame f. motor box	1
PU 15	Motor box	1
PU 16A	Lid for motor box, long	1
PU 17	Load bar	2
PU 18	Support roller	2
000710	Guide roller (upper and lower)	4
PU 20	Axle for upper guide roller and support roller	4
PU 21	Axle for lower guide roller	2
PU 23A	Load stop, long	1
PU 24A	Rubber for load stop, long	
PU 29	Electrical enclosure complete	1
PU 29A	Lid for enclosure	
PU 29B	Screw for lid	
PU 29C	Box only	2
PU 31	Cord, 14/3	1
000520	Circuit breaker 20 amp	1
000500	3-Prong plug	1
000200	Cam switch	1
000400	Cam switch handle assembly	1
000400A	Cam switch legend	1
PU 35	Rubber grommet	1

(continues)

Parts listing Lift Conveyor US-03

Single belt conveyor. 35 and 42'. (cont.)

PART NO.	DESCRIPTION	QTY
S1 53	Tubing section #1	1
S1 54	Anchor bracket for gear box	1
S1 55	Plate, anchor bracket	1
S1 56	Locking pad section #1	1
S1 57	Bracket for locking pad	4
S1 58	Fitting (front inside)	2
S2 61	Tubing section #2	1
S2 62	Fitting rear outside	2
006000	Fitting front inside	2
S2 64	Locking pad section #2	1
S3 67	Tubing section 3	1
S3 68	Fitting rear outside	2
S3 69	Fitting front inside	2
GS 70A	Sleeve for gutter stand	1
GS 70B	Side plate	2
GS 70C	Leg, gutter stand, standard	1
GS 70D	Leg, gutter stand, long – optional	1
GS 70E	Foot on gutter stand	1
GS 70F	Spacer	1
GS 70G	Lock pin	1
GS 70H	Lanyard on lock pin	1
006000	Fitting, inside sleeve	3
GS 71	Toggle clamp assembly	1
GS 71A	Spindle on clamp	1
GS 72	Gutter stand, stripped, old style	
GS 73	Hinge	
GS 74	Hinge bracket	
GS 75	Latch w. Hook	
GS 77	Foot on gutter stand, old style	
GS 78	Collar w. set screw	
GS 79	Bracket for ground support bar	
GS 80	Stud for bracket	
GS 81A	Ground support bar, outer	
GS 81B	Ground support bar, inner	
HDW 000900	Washer	
HDW 005000	Bolt	
TB 82	Tower # 1, stripped	1
TB 83	Tower # 2, stripped	1
TB 85	Tower # 4, stripped	1
TB 86	Cross bar, stripped	4
TB 86A	Cross bar complete w. rollers and guide pad	
000700	Belt roller	16
TB 88	Shaft for belt roller	8

(continues)

Parts listing Lift Conveyor US-03

Single belt conveyor. 35 and 42'. (cont.)

PART NO.	DESCRIPTION	QTY
TB 89	Center bracket	4
TB 90	Guide pad for support belt	8
TB 91	Stabilizer shaft (old style dual belt)	
TB 91A	Bracket for vert guide roller (single belt)	4
TB 91B	Axle for vert guide roller	4
TB 92	Guide roller vertical	4
TB 93	Sleeve for sliding tower	1
TB 93A	Sleeve assembly tower #3	1
T 98	Tubing,section #4	1
T 99	Welded assembly tubing #4	1
T 100	Top frame	1
T 101	Crank handle assembly	1
T 102	Bushing for crank handle	1
T 103	Stop nut	1
T 103A	Half lock nut	2
T 104	Bushing for stop nut	1
T 105	Acme rod	1
T 106	Acme bronze pad	1
T 107	Fitting outside on tubing #4	2
T 108	Top roller shaft	1
000720	Top roller	2
T 110	Bracket for top roller shaft	4
HDW 000900	Distance washer f. top roller shaft	4
T 112	Guard rail	2
T 113	Wear strip on guard rail	2
T 116	Mounting stud for guard rail	1
W 118	Wheel stand, stripped, tubing only	1
W 119	Anchor bracket for wheel stand	1
W 120	Angle support bracket	1
W 120A	Anchor plate for bracket	1
W 121L	Guard rail, left	1
W 121R	Guard rail, right	1
W 122	Bar union	1
W 123	Handle	2
W 124	Plastic grip on handle	2
W 125	Shield, fiber glass. (No guard rails)	1
W 125A	Grommet for cord	1
W 126	Kick stand, right	1
W 127	Kick stand, left	1
W 128	Wheel axle	2
W 129	Distance ring, large	2
W 130	Distance ring, small	2
001100	Wheel with 3/4" bearing	2
001000	Belt material 1 1/2" webbing	

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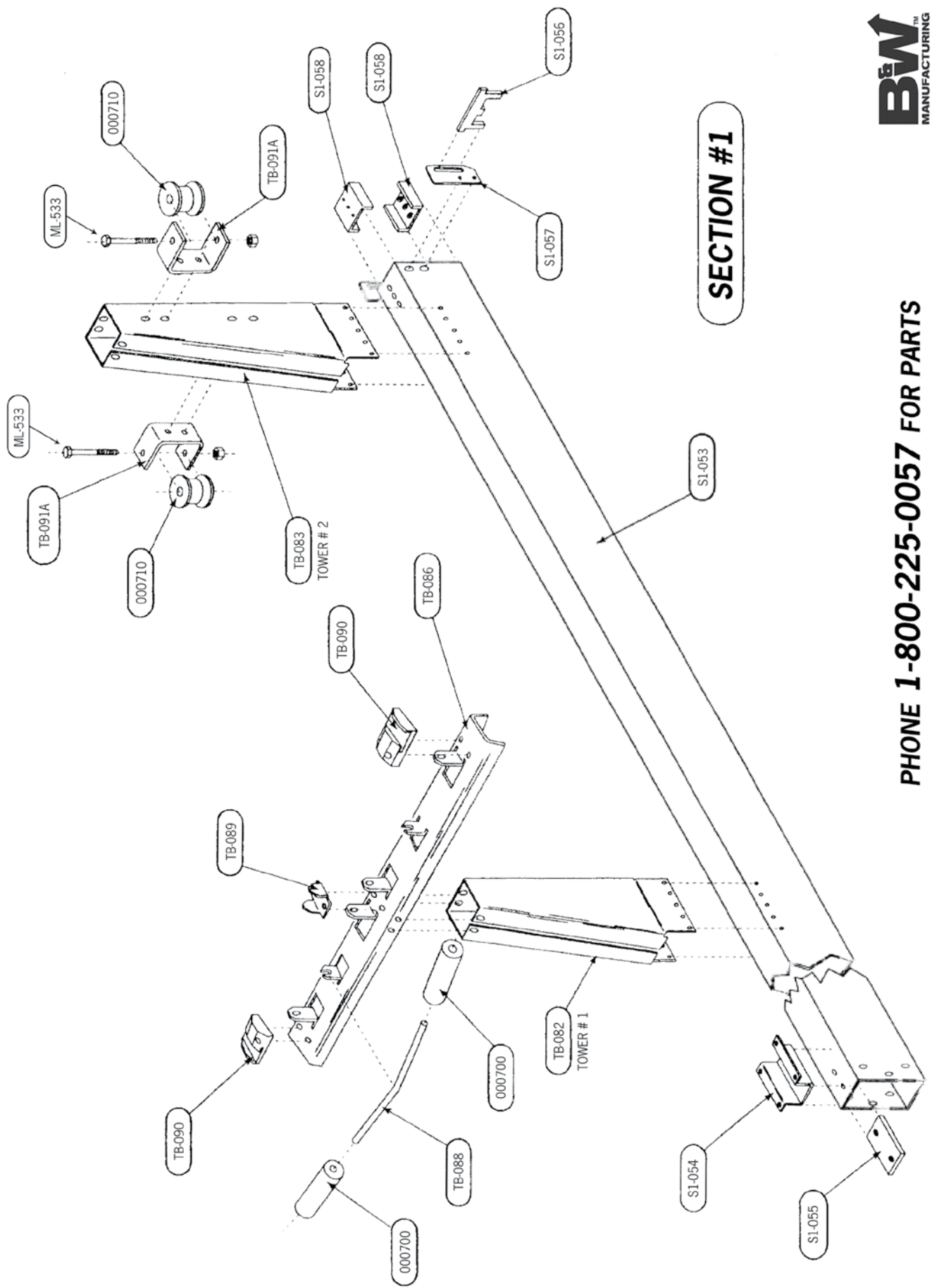
Parts listing Lift Conveyor US-03

Single belt conveyor. 35 and 42'. (cont.)

PART NO.	DESCRIPTION	QTY
B 139	Cleat, 4"	20
000800	Stud plate, blank	20
000810	Stud plate, long	
B 142	Cleat 3"	
B 143	Hook, top end support belt	2
B 143A	Pad for hook on support belt	2
B 144	Hook, bottom end support belt	2
		1
Decal 147	Decal "Belt cross over"	1
Decal 148	Decal "Lift equipment,inc"	1
Decal 149	Decal "Operating instruction 1-17"	1
Decal 154	Decal "Do not walk"	2
Decal 151	Decal "Warning conveyor must be.."	1
Decal 152	Decal "Circuit breaker"	1
Manual – LC	Manual – Lift Conveyor	1
Belt 35'/4'/4'	Belt 35' single drive belt w/4' cleats on 4' spacing	
Belt 35'/4'/6'	Belt 35' single drive belt w/4' cleats on 6' spacing	
Belt 35'/STR/4'	Belt 35' single drive belt stripped w/holes on 4' spacing	
Belt 35'/STR/6'	Belt 35' single drive belt stripped w/holes on 6' spacing	
Belt 42'/4'/4'	Belt 42' single drive belt w/4' cleats on 4' spacing	
Belt 42'/4'/6'	Belt 42' single drive belt w/4' cleats on 6' spacing	
Belt 42'/STR/4'	Belt 42' single drive belt stripped w/holes on 4' spacing	
Belt 42'/STR/6'	Belt 42' single drive belt stripped w/holes on 6' spacing	
LC – 02A 35'	Belt – support belt / 35' lift conveyor	
LC – 02A 42'	Belt – support belt / 42' lift conveyor	
000075	Stud bracket/TB-091/GS-080	
GS – 78A	Shaft collar 1 3/8 ID	
GS – 78D	Rosette Thumb screw knob complete – 3/8" set collar	
GS – 79	Bracket, ground support bar	
GS – 81A	Pipe – ground support bar – outer	
GS – 81B	Pipe – ground support bar – inner	

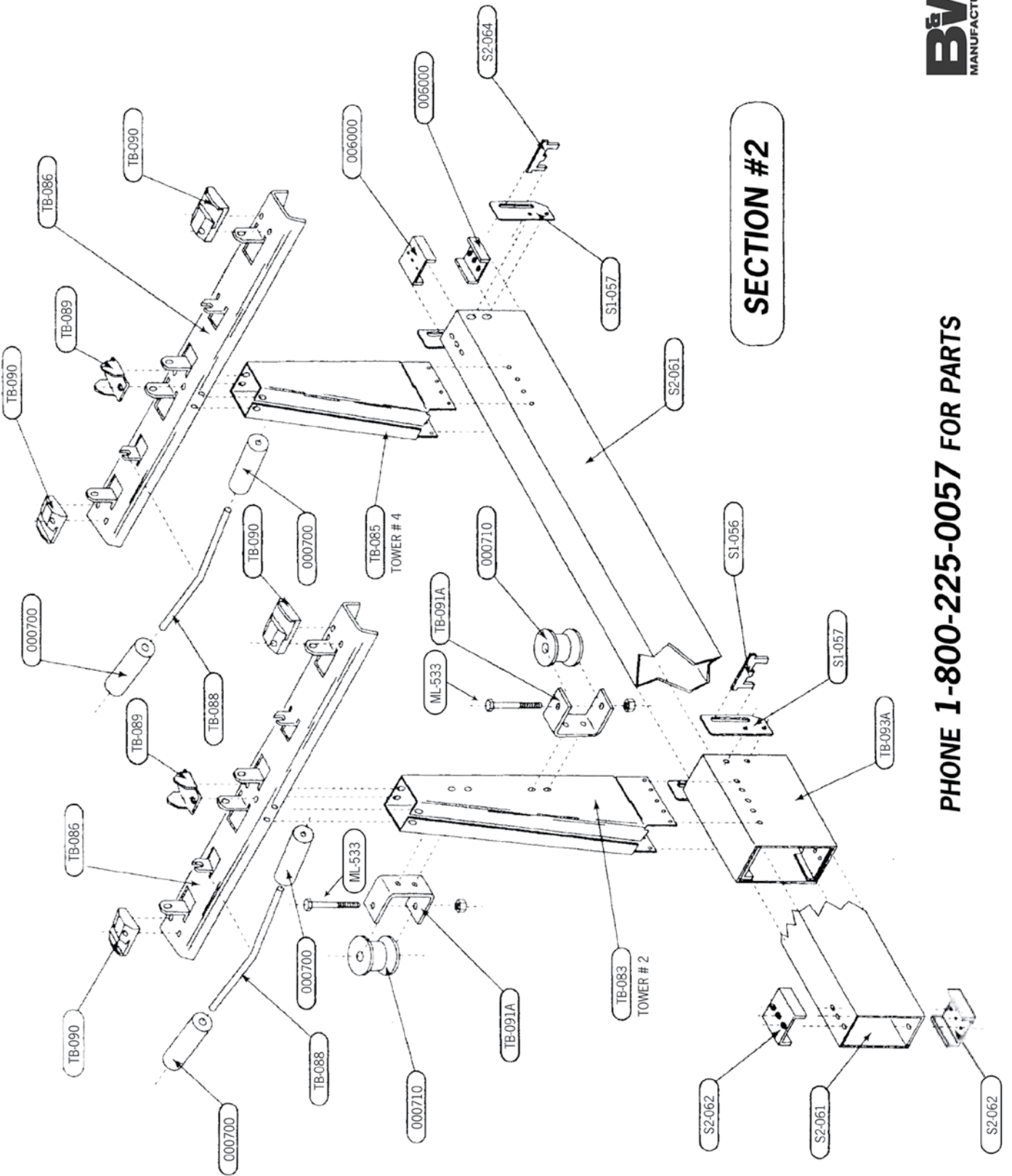
PHONE 1-800-225-0057 FOR PARTS

SECTION #1



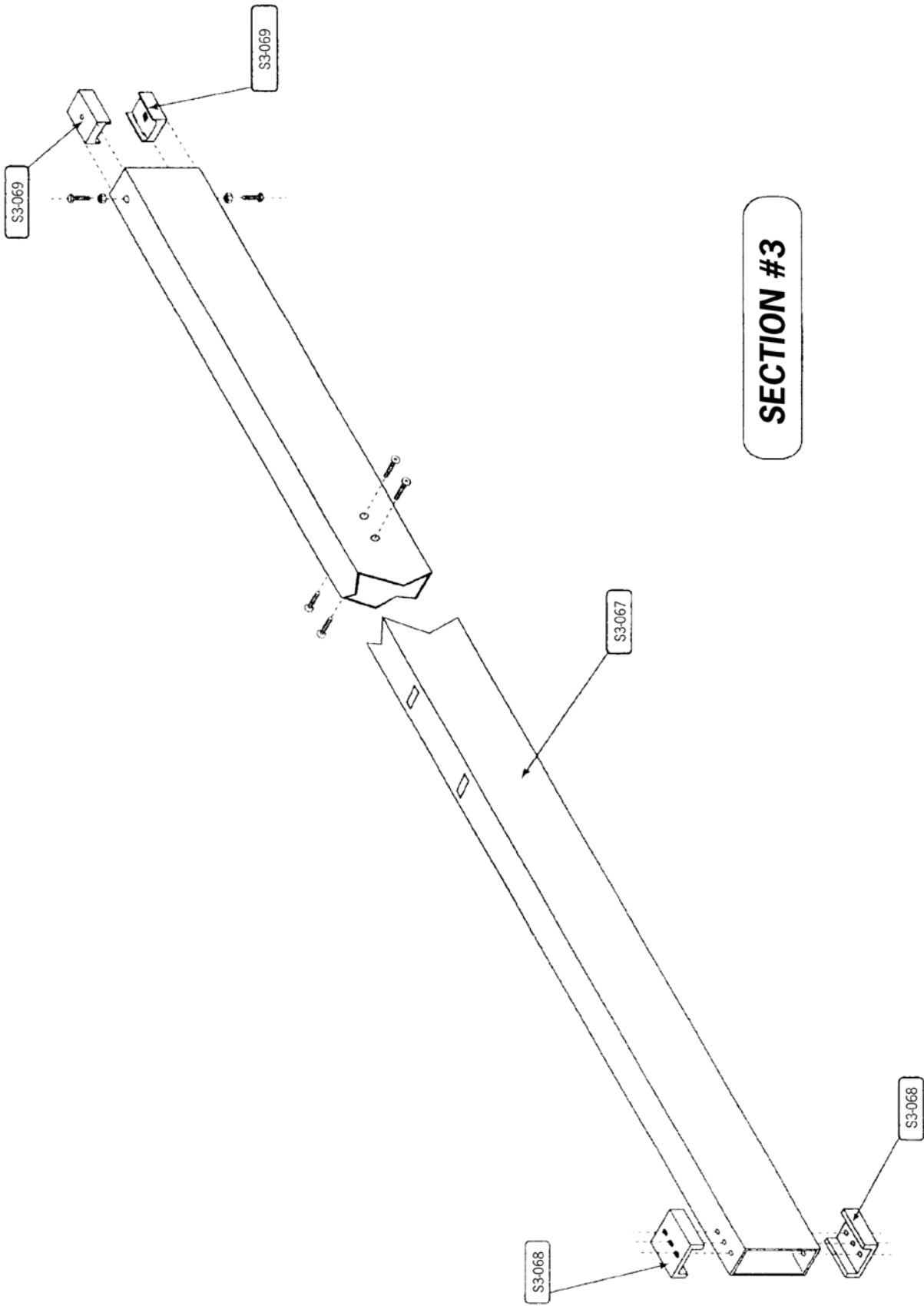
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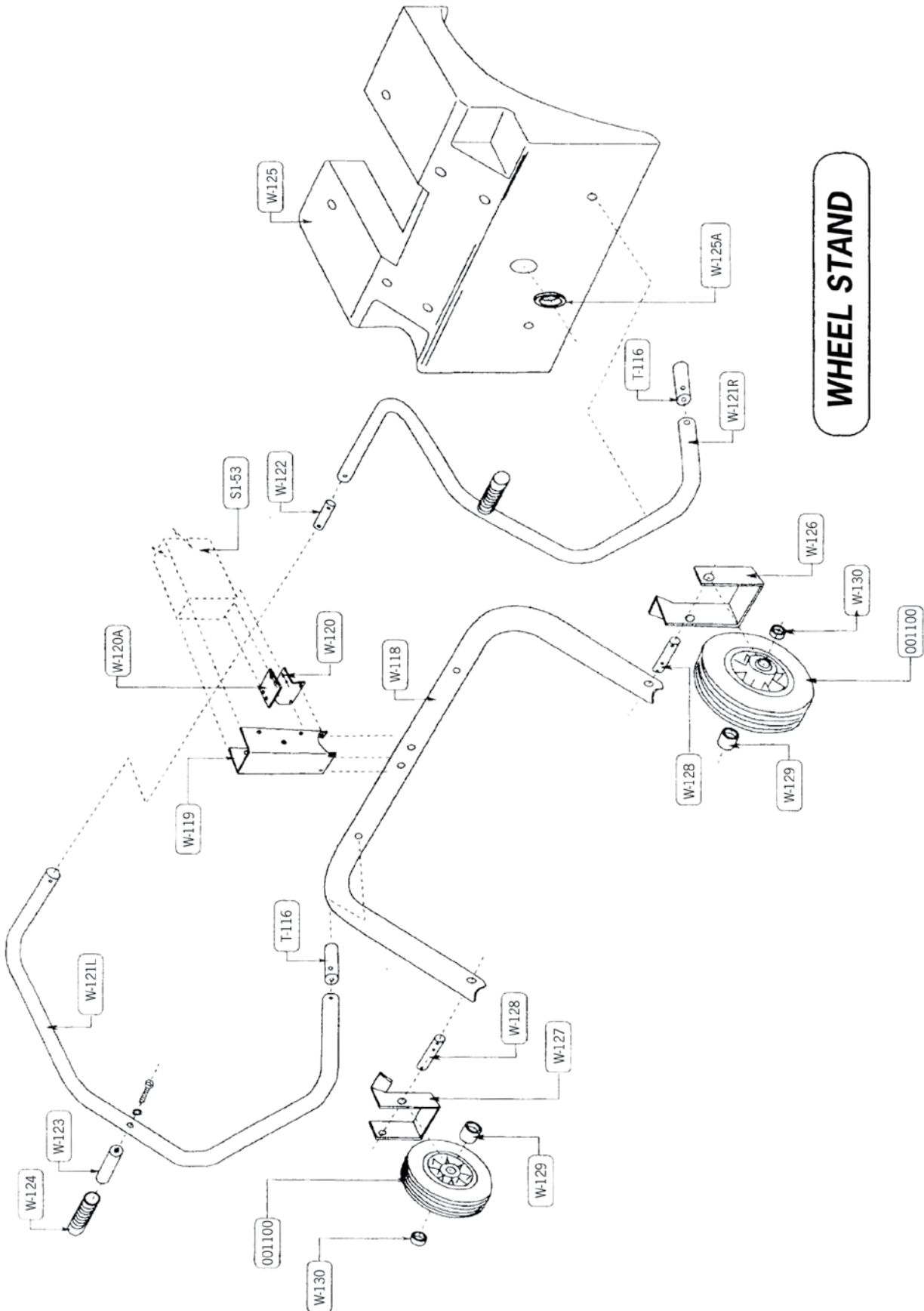
SECTION #2



PHONE 1-800-225-0057 FOR PARTS

SECTION #3

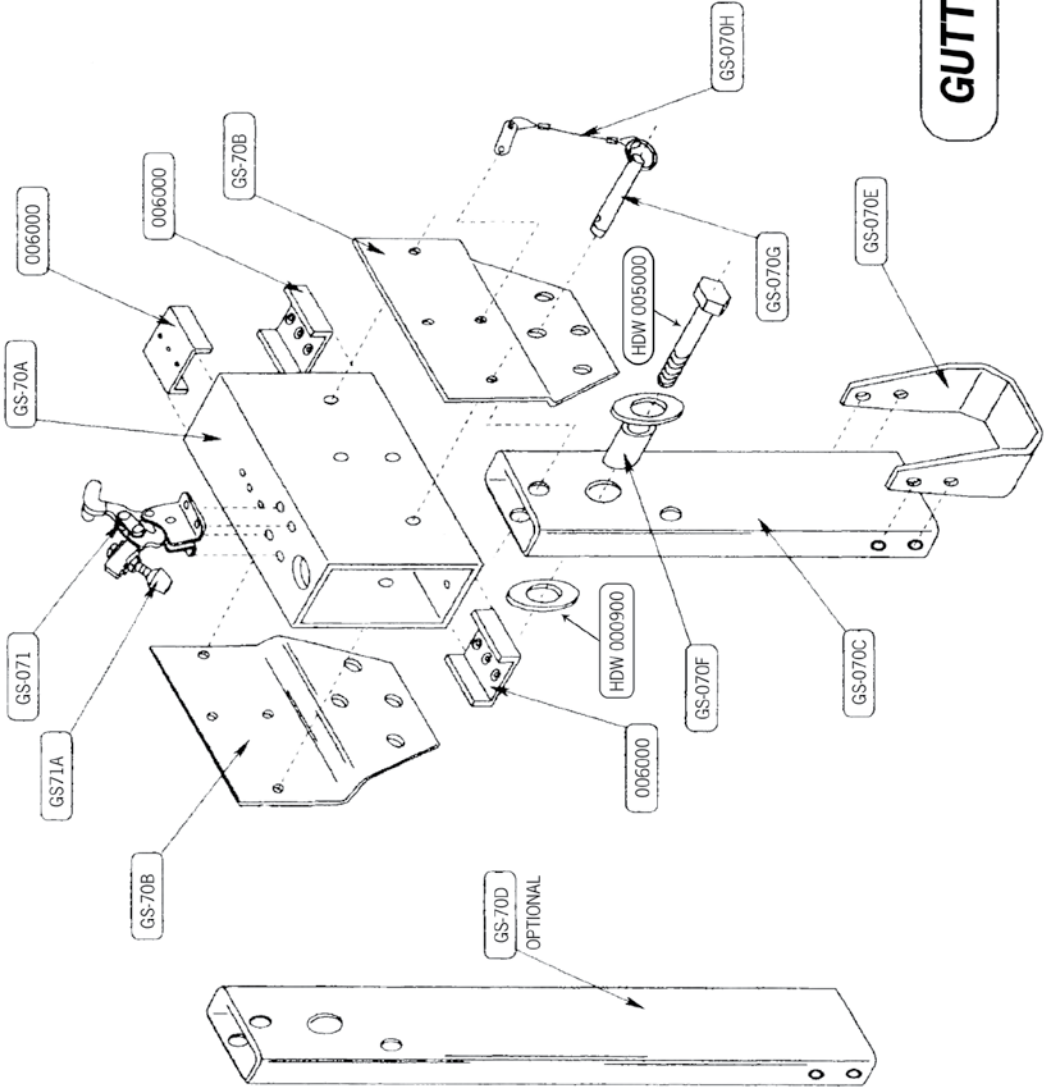




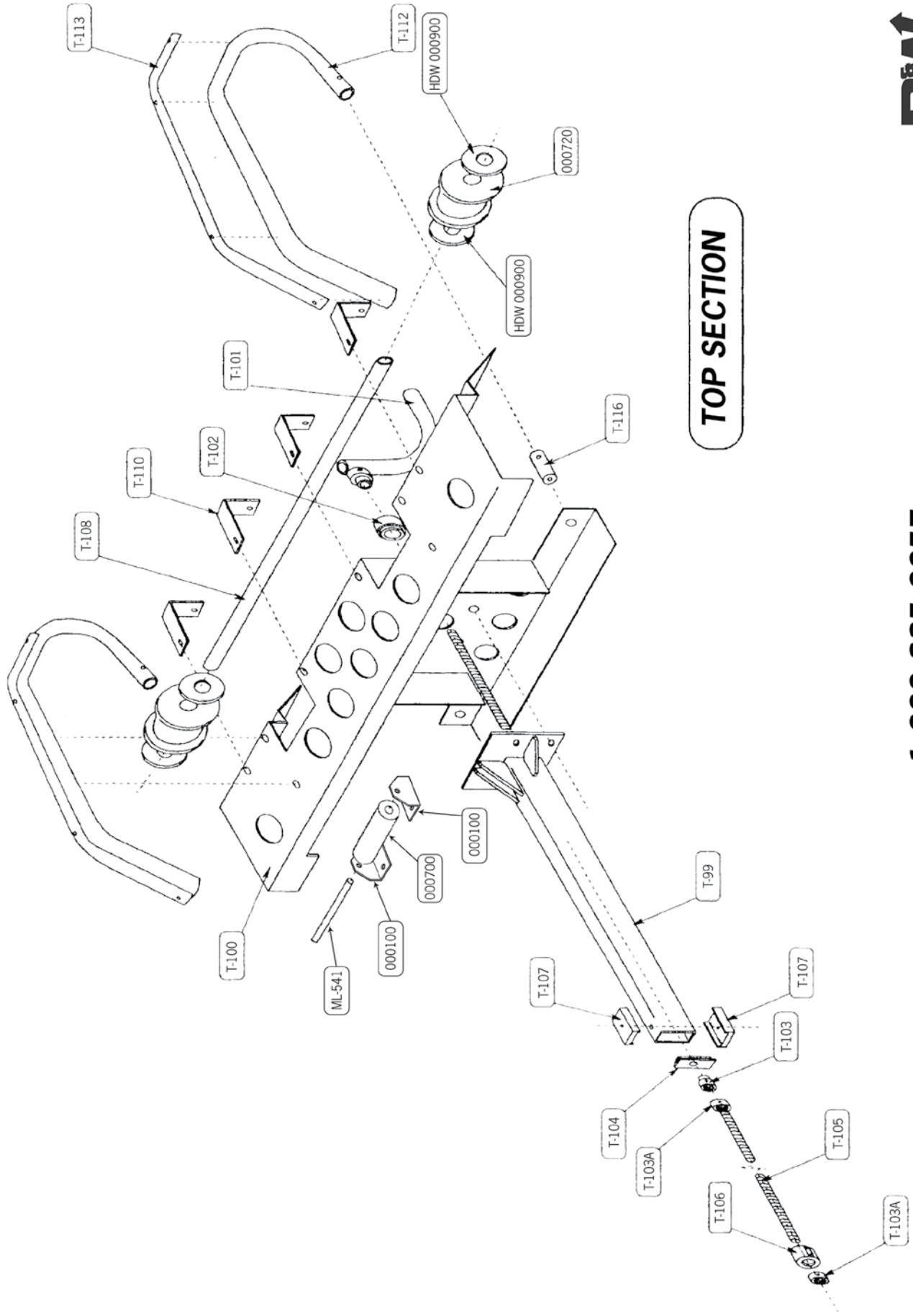
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PHONE 1-800-225-0057 FOR PARTS

GUTTER STAND

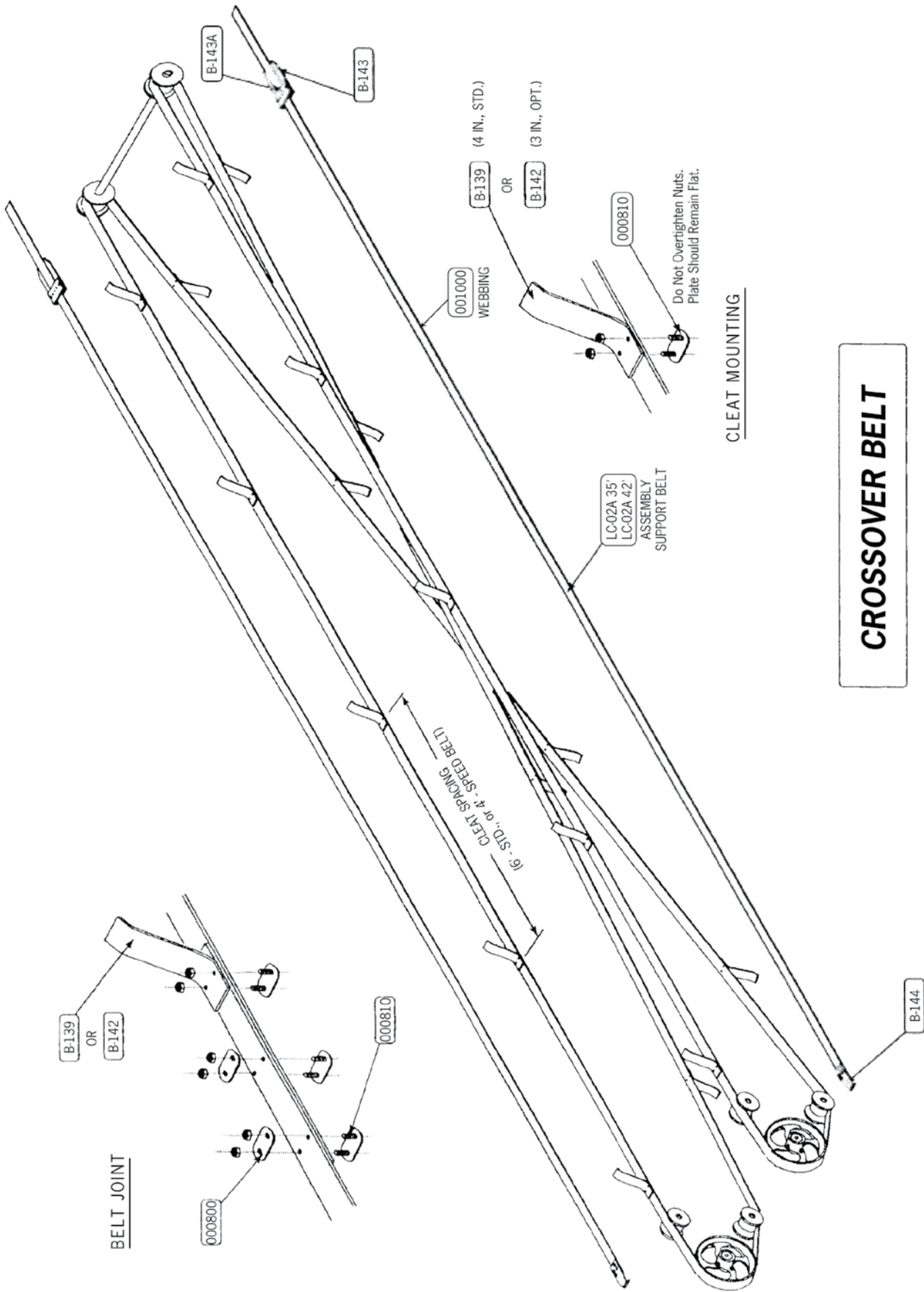


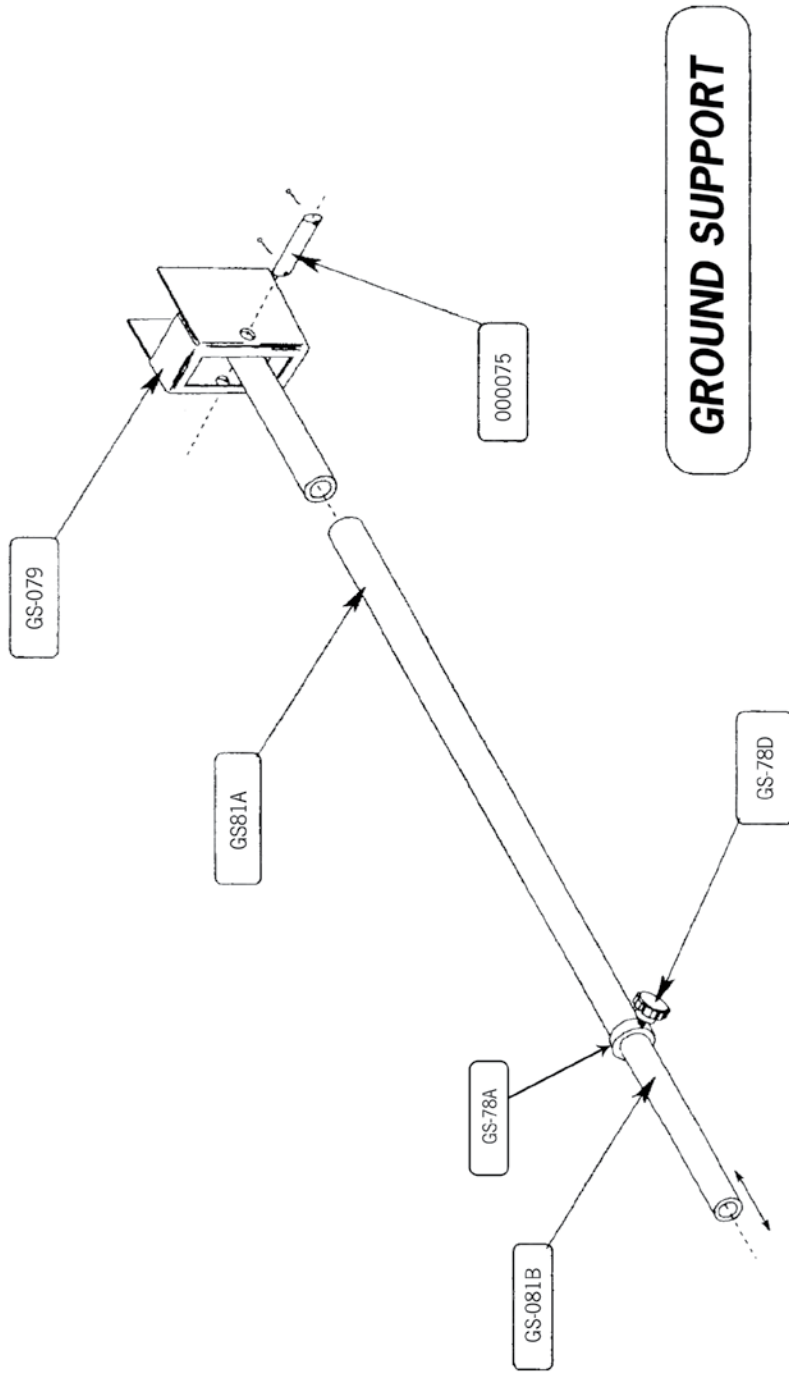
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PHONE 1-800-225-0057 FOR PARTS

CROSSOVER BELT





PHONE 1-800-225-0057 FOR PARTS

