

Assembly/Operating Instructions with Parts List



Bulletin No. 594
**MODEL
PC**
July 2007
(Supersedes December 2000)

RECOMMENDED SPARE PARTS LIST HIGHLIGHTED IN GRAY

MODEL "PC" PARTS CONVEYOR PORTABLE OR PERMANENT

Usually the Model "PC" HYTROL Parts Conveyor is shipped completely assembled. The only procedure then is simply to move conveyor in place and connect the electrical controls to the power source. Because longer than listed sizes are available, the Model "PC" may be shipped knocked down. In this case, follow these instructions:

1. Remove all crating and strapping from crates. Check to see whether any loose foreign pieces, which could have dropped into conveyor during shipment, are removed.
2. Lay bed sections on floor, upside down and in sequence, according to number with all arrows pointing in the same direction.
3. Bolt bed sections together with splice plates and joint support angles.
 - a. When supplied with permanent floor supports, bolt one floor support to each end of conveyor bed.
 - b. When supplied with portable base, bolt portable base to angle brackets on bed sections.
4. Turn bed section assembly right side up.
5. Assemble belt around drive and tail pulleys, over slider pan, with arrows on bottom side of belt pointing in the same direction as arrows on top of bed sections. Pull belt until belt lacings are together and insert lacing pin.

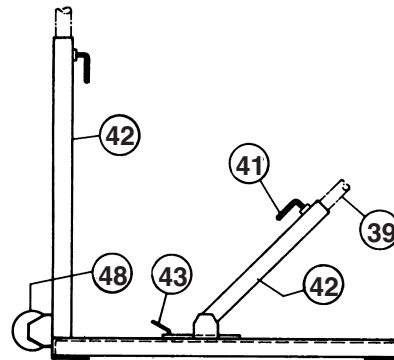
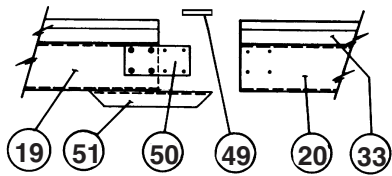
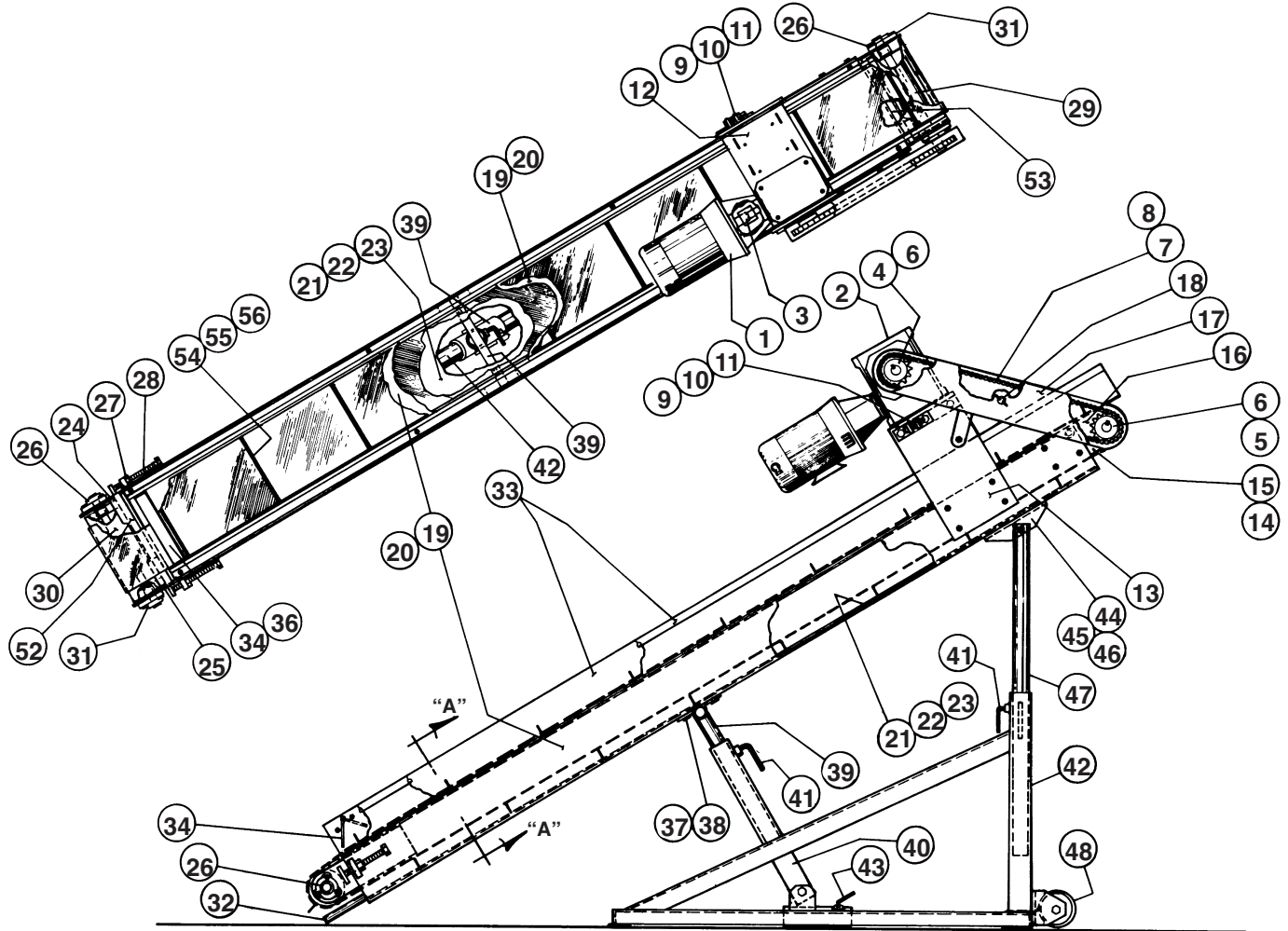
BELT TENSION—To insure maximum rated load capacity on conveyor belt, maintain enough tension so that drive pulley will not slip under belt when carrying full load. Screw take-ups on tail pulley will tighten belt. Because of climatic conditions or after lengthy service, it may be necessary to shorten belt and re-lace to maintain this tension. Alligator belt lacing is easily installed by following instructions provided with lacing.

TRACKING THE BELT—In the event the belt does not track, follow these instructions: Center belt on drive pulley. When belt is running toward drive end, if belt runs to the right side of tail pulley, move take-up out on right side. If belt runs to the left side of tail pulley, move take-up out on left side.

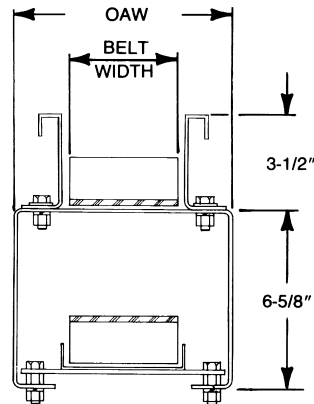
DRIVE ROLLER CHAIN—Can be adjusted by loosening speed reducer bolts and moving back with 3/8 in. take-up screw on base plate. Tighten speed reducer bolts before running. Remove a link out of chain if limit of adjustment is reached.

LUBRICATION—Drive and tail pulleys have sealed bearings greased for life. Keep roller chain oiled. Speed reducer is filled with SAE 90 (use lighter in freezing temperature) gear lubricant and sealed at the factory. If reducer runs too hot, check oil level.

● Model PC Parts Drawing



● Model PC Parts List



SECTION "A-A"

Belt Width	4"	6"	8"	10"	12"	16"	18"	24"
OAW	8"	10"	12"	14"	16"	20"	22"	28"

RECOMMENDED SPARE PARTS LIST HIGHLIGHTED IN GRAY

Las Partes de Repuesto Recomendadas se Resaltan en Gris

Ref. No.	Part No.	Description
1	—	Motor—C-Face
—	030.7134	1/2 HP—230/460VAC—3 Ph.—60 Hz.—TEFC
—	030.7324	1 HP—230/460VAC—3 Ph.—60 Hz.—TEFC
2	—	Speed Reducer
—	R-00153-30R	4AC—RH—30:1 Ratio
—	R-00164-30R	5AC—RH—30:1 Ratio
3	052.145	Coupling Kit—Motor to Reducer (1/2-1 HP)
4	—	Sprocket - Reducer
—	028.115	50B15 x 1 in. Bore (4 AC)
—	028.117	50B15 x 1-1/4 in. Bore (5AC)
5	028.115	Sprocket - Drive Pulley - 50B15x1 in. Bore
6	090.203	Shaft Key 1/4 in. Sq. x 1 in. Long
7	029.101	#50 Riveted Roller Chain
8	029.201	Connector Link—#50 Roller Chain
9	B-06789	Drive Take-Up Bracket
10	040.307	Take-Up Bolt—3/8-16 x 2-1/4 in. Long
11	041.300	Hex Jam Nut—Heavy—3/8-16
12	B-06629	Motor Base Assembly (Specify OAW)
13	B-07962	Drive Support Side Plate
14	B-21423-L	Drive Plate Assembly—LH
15	B-21423-R	Drive Plate Assembly—RH
16	B-07961	Chain Guard Back Plate Assembly
17	B-16265	Chain Guard Front Plate Assembly
18	041.919	Acorn Nut—3/8-16
19	—	Bed Section Assembly
—	B-02400	4 ft. Long for 5 ft. Model (Specify OAW)
—	B-02165	5 ft. Long for 6 ft. Model (Specify OAW)
—	B-02166	6 ft. Long for 7 ft. Model (Specify OAW)
—	B-02167	8 ft. Long for 9 ft. Model (Specify OAW)
—	B-02168	10 ft. Long for 11 ft. Model (Specify OAW)
20	—	Drive Bed Section
—	B-02045	6 ft. Long for 13 ft. Model (Specify OAW)
21	—	Slider Pan Assembly
—	B-02401	4 ft. Long for 5 ft. Model (Specify Belt Width)
—	B-02175	5 ft. Long for 6 ft. Model (Specify Belt Width)
—	B-02176	6 ft. Long for 7 ft. Model (Specify Belt Width)
—	B-02177	8 ft. Long for 9 ft. Model (Specify Belt Width)
—	B-02178	10 ft. Long for 11 ft. Model (Specify Belt Width)
22	—	Drive End Slider Pan
—	B-08924	6 ft. Long for 13 ft. Model (Specify Belt Width)

Ref. No.	Part No.	Description
23	—	Tail End Slider Pan
—	B-08922	6 ft. Long for 13 ft. Model (Specify Belt Width)
24	B-00291-L	Take-Up Plate Assembly—LH
25	B-00291-R	Take-Up Plate Assembly—RH
26	010.102	3-Bolt Flange Bearing—1 in. Bore
27	040.409	Take-Up Bolt—1/2-13 x 6 in. Long
28	041.201	Hex Jam Nut—1/2-13
29	B-21417	4 in. Dia. Drive Pulley (Fully Lagged)(Spec. OAW)
30	B-22221	4 in. Dia. Pulley (Specify OAW)
31	B-07987	Bearing Spacer
32	B-02170	Take-Up Support Rod
33	—	Guard Rails
—	B-02059-003	53 in. Long for 5 ft. Model
—	B-09350-003	60 in. Long for 11 ft. Model
—	B-05555-003	65 in. Long for 6 ft. & 11 ft. Model
—	B-09351-003	72 in. Long for 13 ft. Model
—	B-09352-003	77 in. Long for 7 ft. & 13 ft. Model
—	B-02180-003	101 in. Long for 9 ft. Model
34	B-02292	Flapper Gate Assembly (Specify Belt Width)
35	099.255	Rubber Bumper
37	B-02090	Pivot Rod for Tail Support "T" (Specify OAW)
38	—	Tail Pivot Rod Bracket
—	B-16512	8 in. & 10 in. OAW
—	B-02093	12 in. thru 28 in. OAW
39	—	Tail Support "T"
—	B-02403	5 ft. Model (8 in. thru 20 in. OAW) (Specify)
—	B-02404	5 ft. Model (22 in. thru 28 in. OAW) (Specify)
—	B-02091	6 ft. Model (8 in. thru 20 in. OAW) (Specify)
—	B-02193	6 ft. Model (22 in. thru 28 in. OAW) (Specify)
—	B-02092	7 ft. thru 13 ft. Model (8 in. thru 20 in. OAW) (Specify)
—	B-02194	7 ft. thru 13 ft. Model (22 in. thru 28 in. OAW) (Specify)
40	—	Tail Support Adjustment Tube
—	B-02082-005	5 ft. Model
—	B-02082-006	6 ft. Model
—	B-02082-007	7 ft. Model
—	B-02082-009	9 ft. Model
—	B-02082-013	11 ft. & 13 ft. Model
41	B-00804	Locking Handle

● Model PC Parts List



Ref. No.	Part No.	Description
42	—	Base Assembly—5 ft. Model
—	B-02405-012	8 in. & 10 in OAW
—	B-02405	12 in. thru 20 in. OAW (Specify)
—	B-02406	22 in. thru 28 in. OAW (Specify)
—	—	Base Assembly—6 ft. Model
—	B-02181-012	8 in. & 10 in OAW
—	B-02181	12 in. thru 20 in. OAW (Specify)
—	B-02182	22 in. thru 28 in. OAW (Specify)
—	—	Base Assembly—7 ft. Model
—	B-02183-012	8 in. & 10 in OAW
—	B-02183	12 in. thru 20 in. OAW (Specify)
—	B-02184	22 in. thru 28 in. OAW (Specify)
—	—	Base Assembly—9 ft. Model
—	B-02185-012	8 in. & 10 in OAW
—	B-02185	12 in. thru 20 in. OAW (Specify)
—	B-02186	22 in. thru 28 in. OAW (Specify)
—	—	Base Assembly—11 ft. & 13 ft. Models
—	B-02187-012	8 in. & 10 in OAW
—	B-02187	12 in. thru 20 in. OAW (Specify)
—	B-02188	22 in. thru 28 in. OAW (Specify)
43	B-02915	Locking Handle for Tail Support Bracket
44	B-02197	Pivot Plate—Drive End
45	—	Pivot Rod—Upper Legs
—	B-02195-012	8 in. & 10 in OAW
—	B-02195	12 in. thru 28 in. OAW (Specify)
46	B-00805-032	Spacer—8 in. OAW Units Only
47	—	Upper Leg
—	B-02089-005	5 ft. Model
—	B-02089-006	6 ft. Model
—	B-02089-007	7 ft. Model

Ref. No.	Part No.	Description
—	B-02089-009	9 ft. Model
—	B-02089-013	11 ft. & 13 ft. Models
48	014.108	4 in. Dia. Steel Wheel with Axle Kit
49	B-20465	Attachment Strap Kit
50	B-01944	Splice Plate (13 ft. Model)
51	B-00350	Joint Support Angle (13 ft. Model)
52	B-09859	Nip Point Guard (Specify OAW)
53	B-18909	Nip Point Guard (Specify OAW)
54	—	Belt with 1-1/2 in. High Cleats on 12 in. Centers
—	069.550	4 in. Wide Belt—8 in. OAW
—	069.551	6 in. Wide Belt—10 in. OAW
—	069.552	8 in. Wide Belt—12 in. OAW
—	069.553	10 in. Wide Belt—14 in. OAW
—	069.554	12 in. Wide Belt—16 in. OAW
—	069.555	16 in. Wide Belt—20 in. OAW
—	069.556	18 in. Wide Belt—22 in. OAW
—	069.557	24 in. Wide Belt—28 in. OAW
55	—	U4 Clipper Unibar Lacing (Specify Length)
56	—	#13 Lacing Pin (Specify Length)

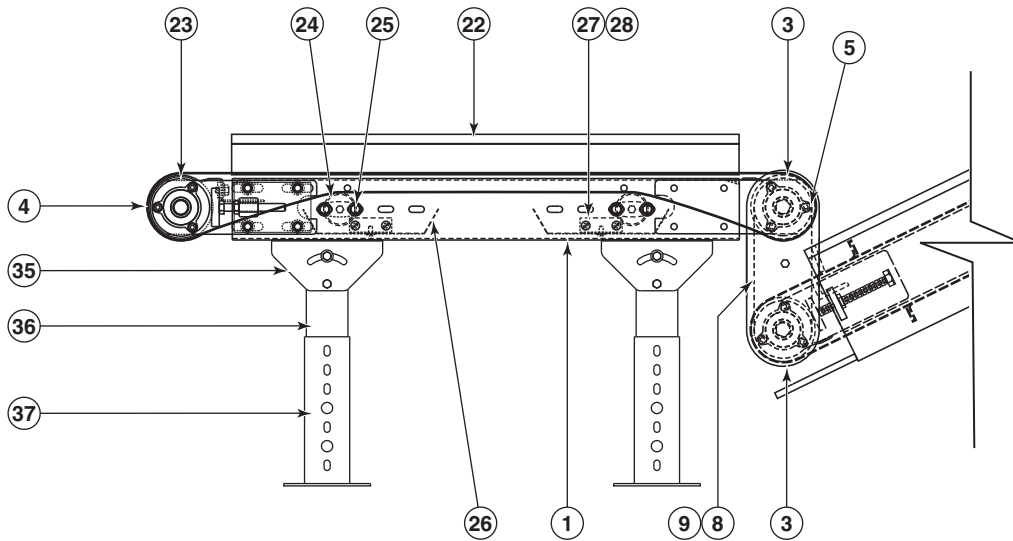
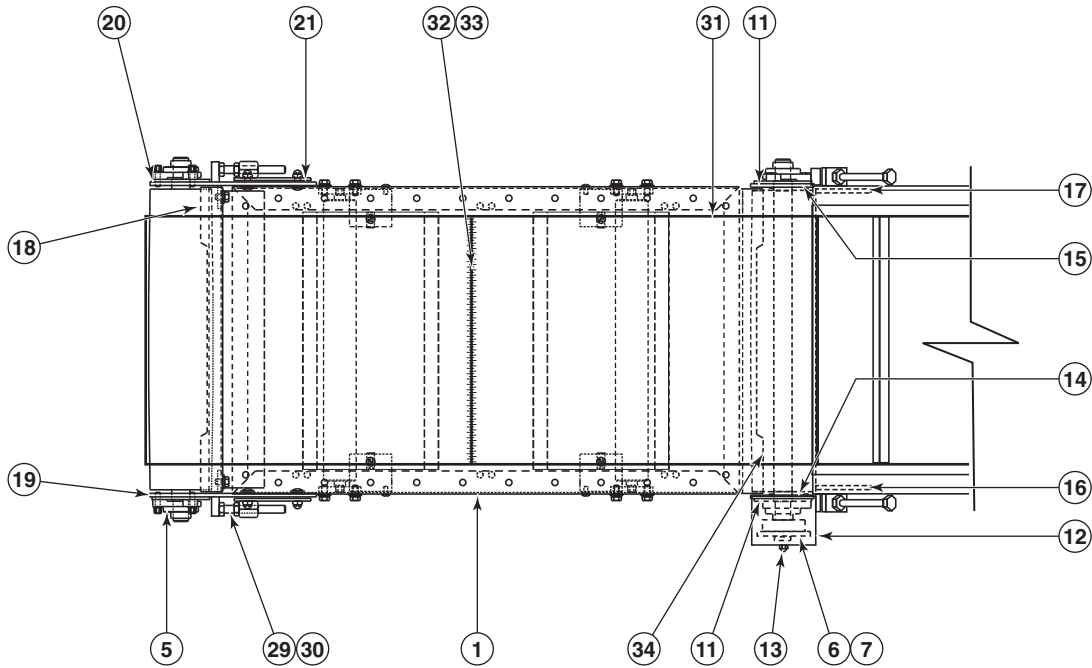
RECOMMENDED SPARE PARTS LIST HIGHLIGHTED IN GRAY

Las Partes de Repuesto Recomendadas se Resaltan en Gris

● Model PC Powered Feeder Parts Drawing



(Dibujo de Partes del Alimentador Motorizado del Modelo PC)



● Model PC Powered Feeder Parts List



RECOMMENDED SPARE PARTS LIST HIGHLIGHTED IN GRAY

Las Partes de Repuesto Recomendadas se Resaltan en Gris

Ref. No.	Part No.	Description
1	—	Bed Assembly
—	B-24782	18 in. Long (8 in. thru 16 in. OAW) (Specify)
—	B-24780	33 in. Long (20 in. thru 28 in. OAW) (Specify)
3	—	Feeder Drive Pulley/Conveyor Tail
—	B-22222	4 in. Dia. (Specify OAW)
4	—	Feeder Tail Pulley
—	B-22221	4 in. Dia. (Specify OAW)
5	010.102	Bearing—3-Bolt Flange, 1 in. Bore
6	028.133	Sprocket—50B14 x 1 in. Bore
7	090.203	Shaft Key—1/4 in. Sq. x 1 in. Long
8	029.101	#50 Riveted Roller Chain
9	029.201	Connector Link—#50 Roller Chain
11	B-08211	Pivot Bracket
12	B-11516	Chain Guard
13	041.919	Acorn Nut—3/8-16
14	B-09759-R	Feeder Drive Plate—RH
15	B-09759-L	Feeder Drive Plate—LH
16	B-00291-R	Conveyor Take-Up Plate—RH
17	B-00291-L	Conveyor Take-Up Plate—LH
18	B-09859	Nip Point Guard (Specify OAW)
19	B-19616-R	Feeder Take-Up Plate—RH
20	B-19616-L	Feeder Take-Up Plate—LH
21	B-19619	Attachment Plate Assembly
22	—	PC Type A Guard Rail
—	B-25647-A18R	3-1/2 in. Tall 18 in. Lg. RH
—	B-25647-A18L	3-1/2 in. Tall 18 in. Lg. LH
—	B-25647-A33R	3-1/2 in. Tall 33 in. Lg. RH
—	B-25647-A33L	3-1/2 in. Tall 33 in. Lg. LH
23	B-07987	Bearing Spacer
24	B-06742	2-1/8 in. Dia. Snub Roller (Specify OAW)

Ref. No.	Part No.	Description
25	093.215	Return Roller Bracket
26	B-14443	Snub Roller Guard (Specify OAW)
27	B-14445	Snub Roller Guard Mounting Bracket
28	049.310	U-Type Speed Nut—1/4-20
29	040.407	Take-Up Bolt—1/2-13 x 4 in. Long
30	041.201	Hex Jam Nut—1/2-13
31	—	Belt—Black Trackmate 140 BOS (Spec. Width)
32	—	#2 Unibar Lacing (Specify Length)
33	—	#13 Lacing Pin (Specify Length)
34	B-18909	Nip Point Guard (Specify OAW)
35	—	MS Type Pivot Plate—1-1/2 in. Flange
—	B-00913	3-11/16 in. High
—	B-02112	1-9/16 in. High
36	—	Floor Support Frame
—	B-00914	6 in. High (Specify OAW)
—	B-12777	7 in. High (Specify OAW)
—	B-12778	8 in. High (Specify OAW)
—	B-00915	9 in. High (Specify OAW)
—	B-00916	11-1/2 in. High (Specify OAW)
—	B-00917	14-1/2 in. High (Specify OAW)
—	B-02098	18-1/2 in. High (Specify OAW)
—	B-00919	22-1/2 in. High (Specify OAW)
—	B-00921	32-1/2 in. High (Specify OAW)
—	B-00923	44-1/2 in. High (Specify OAW)
—	B-00925	56-1/2 in. High (Specify OAW)
—	B-02107	68-1/2 in. High (Specify OAW)
—	B-02109	78-1/2 in. High (Specify OAW)
—	B-02111	90-1/2 in. High (Specify OAW)
37	B-00911	Adjustable Foot Assembly (Specify Length)

Instrucciones de Ensamblaje/Operacion y Lista de Partes

PARTES DE REPUESTO RECOMENDADAS SE
RESALTAN EN GRIS



Bulletin No. 594
**MODELO
PC**
July 2007
(Supercedes December 2000)

TRANSPORTADOR PORTATIL O PERMANENTE MODELO "PC" PARA PARTES

Usualmente el transportador de partes Modelo"PC" de HYTROL es embarcado completamente ensamblado. El único procedimiento necesario es simplemente colocar el transportador en la ubicación deseada y conectar los controles eléctricos a la fuente de energía. El transportador esta disponible en largos adicionales a los incluidos en la lista, por lo que por esta razón es posible que sea embarcado desensamblado. En esta caso por favor siga las instrucciones siguientes:

1. Remueva todo el enguacalado y encintado. Verifique si hay partes sueltas, que pudieron haber caído en el transportador durante el transporte, y remuévalas.
2. Coloque las secciones de cama sobre el piso, boca abajo y en secuencia, de acuerdo a los números y con todas las flechas señalando la misma dirección.
3. Atornille todas las secciones de camas juntas con las placas de empalme y los ángulos de soporte.
 - a. Cuando se provean soportes a piso permanentes, atornille un soporte de piso a cada extremo de la cama del transportador.
 - b. Cuando se provean con base portátil, atornille la base a las abrazaderas en ángulo en las secciones de cama.
4. Voltee las secciones de cama al derecho.
5. Ensamble la banda alrededor de las poleas motrices y de retorno, la bandeja deslizante, colocando la banda de manera que las flechas queden en la superficie inferior señalando la misma dirección que las flechas sobre las secciones de cama. Hale la banda hasta que los enlaces de la banda se junten e inserte el alfiler.

TENSION DE LA BANDA—Para asegurar la máxima capacidad de carga sobre la banda del transportador, mantenga suficiente tensión de manera que la polea motriz no se deslice bajo la banda cuando mueva la carga de capacidad máxima. Los tornillos tensionadores en la polea de retorno tensionaran la banda. Las condiciones climáticas o el servicio prolongado, puede originar la necesidad de acortar la banda y reenlazarla para mantener esta tensión. El enlace de banda "alligator" es fácilmente instalado al seguir las instrucciones proveídas con el enlace.

ALINEANDO LA BANDA —En el caso que la banda no este alineada, siga las siguientes instrucciones: Centre la banda sobre la polea motriz. Cuando la banda este corriendo hacia el extremo de la unidad motriz, si la banda corre hacia el lado derecho de la polea de retorno, mueva el tensionador en el lado derecho. Si la banda corre hacia el lado izquierdo de la polea de retorno, mueva el tensionador en el lado izquierdo.

CADENA MOTRIZ—Puede ser ajustada al aflojar los tornillos del reductor de velocidad y moverlo hacia atrás en 3/8 de pulgada con el tornillo tensor en la base. Apriete los tornillos del reductor de velocidad antes de arrancar el transportador. Remueva un paso de la cadena si se llega a la máxima capacidad de ajuste.

LUBRICACION—Las poleas motrices y de retorno tienen rodamientos sellados y lubricados de por vida. Mantenga la cadena del rodillo lubricada. El reductor de velocidad contiene el lubricante de engranaje SAE 90 (use mas ligero en temperaturas de congelamiento) y sellado de fabrica. Si el redactor se recalienta, revise el nivel de aceite.