

IMPORTANT!
DO NOT DESTROY

¡IMPORTANTE!
NO DESTRUIR



Assembly and Operating Instructions

with Parts List

RECOMMENDED SPARE PARTS HIGHLIGHTED IN GRAY

Instrucciones de Ensamble/ Operación

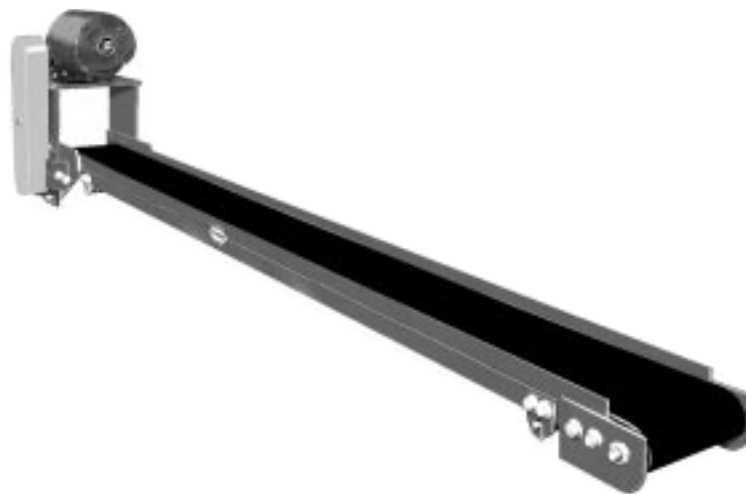
con Lista de Partes

PARTES DE REPUESTO RECOMENDADAS SE RESALTAN EN GRIS

Model PCA

Effective July, 1998
(Supercedes December, 1991)

Bulletin # 430



HYTROL CONVEYOR CO., INC.

Jonesboro, Arkansas
Manteca, California



● Receiving and Uncrating

1. . . Check the number of items received against the bill of lading.
2. . . Examine condition of equipment to determine if any damage occurred during shipment.
3. . . Move all crates to area of installation.
4. . . Remove crating and check for optional equipment that may be fastened to the conveyor. Make sure these parts (or any foreign pieces) are removed.

NOTE: If damage has occurred or freight is missing, see the "Important Notice" attached to the crate.

● Recepción y Desembalaje

1. . . Verifique el número de partes recibidas con el conocimiento del embarque.
2. . . Examine las condiciones del equipo para determinar si algún daño ha ocurrido durante la transportación.
3. . . Mueva todo el equipo hacia el área de instalación.
4. . . Remueva todos los empaques y verifique si hay partes opcionales que deben estar atadas al equipo. Asegúrese de que estas partes (o cualquier otras partes externas) sean removidas.

NOTA: Si algún daño ha ocurrido o falta cargamento, vea las "Notas Importantes" adheridas al embalaje.

● Installation Instructions

The Model PCA is shipped completely assembled. Install supports, if supplied, and adjust to desire height. Move conveyor into place and connect electrical controls to power source.

WARNING!

Electrical controls shall be installed and wired by a qualified electrician. Wiring information for the motor and controls are furnished by the equipment manufacturer.

● Instrucciones de Instalación

El Modelo PCA es enviado completamente ensamblado. Instale los soportes si fueron suministrados, y ajústelos a la medida correcta. Mueva el transportador a su lugar y conecte los controles eléctricos.

ADVERTENCIA!

Los controles eléctricos deben ser conectados e instalados por un electricista calificado. La información sobre la conexión del motor y los controles será proporcionada por el fabricante del equipo.

● Belt Tracking

All conveyors are assembled and run at the factory and the belt is tracked before shipment. In the event the belt does not track properly, follow these steps.

1. . . Make sure conveyor is level across the width and length of unit (not twisted).
2. . . Check to see that the Drive and Tail Pulleys, and all Return Idlers are square with the bed (See drawings on page 4). Dimension "A" thru "D" must be equal on both sides of unit.
3. . . If the belt still doesn't track, loosen drive plate mounting bolts so that drive pulley can be moved with take-up screws. With belt running toward drive end, if belt drifts to right side, move right end of drive pulley out. If belt drifts to left, move left end out. Make only minor adjustment (approx. 1/16") and check to see if problem is corrected. Re-tighten mounting bolts.

CAUTION!

Only trained personnel should track conveyor belt which must be done while conveyor is in operation.

● Alineación de la Banda

Antes de enviarse, el transportador ya ha sido ensamblado y probado en la fabrica, y la banda está alineada. En caso de que no esté propiamente alineada, siga los siguientes pasos.

1. . Asegúrese de que el transportador está nivelado a lo ancho y largo de la unidad (que no este doblado). Asegúrese de que la Polea Motriz, la Polea de Retorno, y los Rodillos de Alineación estén encuadrados con la cama (Vea los dibujos de la pag. 4). La dimensión "A" hasta la "D" debe ser igual en ambos lados de la unidad.
Si la banda sigue desalineada, entonces afloje los tornillos de montaje de la placa motriz, para que la polea motriz pueda moverse con los tornillos tensores. Cuando la banda este corriendo hacia el extremo motriz; si se desliza a la derecha, mueva el extremo derecho de la polea motriz hacia afuera. Si se desliza a la izquierda, mueva el extremo izquierdo hacia afuera. Ajuste lo menor posible (aprox. 1/16") y revise si el problema se corrigio. Apriete los tornillos de montaje.
3. .

PRECAUCION!

Solo el personal entrenado deberá ajustar la banda del transportador ya que se debe hacer cuando el trans-

● Belt Tension

To ensure maximum rated load capacity, maintain enough tension so that pulley will not slip under belt when carrying full load. Use take-up screws at drive pulley to adjust tension. Be sure to move both sides an equal distance. Because of climatic conditions or after lengthy service, it may be necessary to shorten belt and relace to maintain required tension.

● Tensión de la Banda

Para asegurar la carga estimada, mantenga suficiente tensión para que la polea no se deslice bajo la banda cuando transporte la carga estimada. Use los tornillos tensores de la polea motriz para ajustar la tensión. Asegúrese de mover ambos la misma distancia. Por condiciones climáticas o mucho tiempo de uso, será necesario recortar la banda y reenlazarla para mantener la tensión requerida.

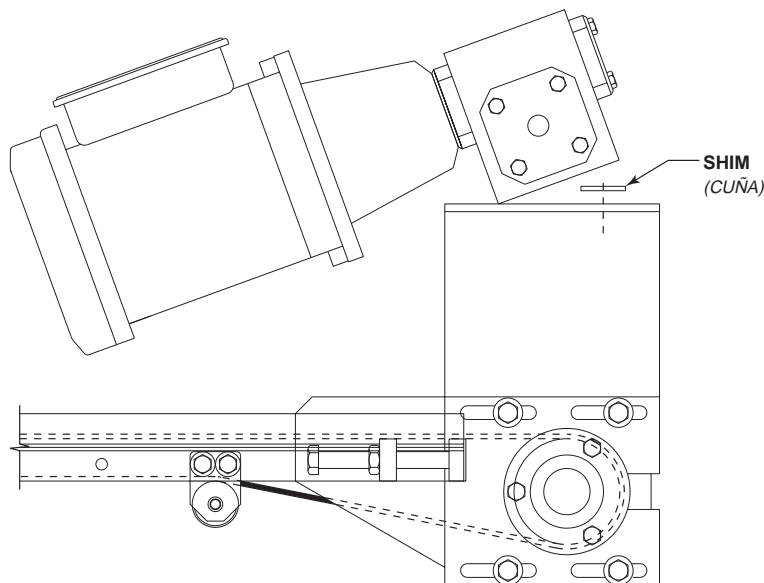
● Drive Chain Adjustment

After conveyor has been in use for a period of time, it may be necessary to make adjustment to the chain tension. Minor adjustments can be made by adding shims under the speed reducer (Figure 4A). If major adjustments are necessary, they may be made by adding or removing links from drive chain.

● Ajuste de la Cadena Motriz

Después de un tiempo de uso, tal vez es necesario ajustar la tensión de la cadena. Ajustes menores pueden hacerse adhiriendo una cuña debajo del reductor (Figura 4A). Si se necesitan ajustes mayores, se harán adhiriendo o removiendo enlaces de cadena.

FIGURE 4A



● Maintenance

To ensure that your conveyor runs with a minimum amount of down time, the following items should be checked regularly and maintenance performed as necessary.

1. . . Chain lubrication and tension
2. . . Belt tension and tracking
3. . . Motor and reducer
4. . . Bearings
5. . . Sprocket alignment
6. . . Loose set screws, sprockets, and bearings

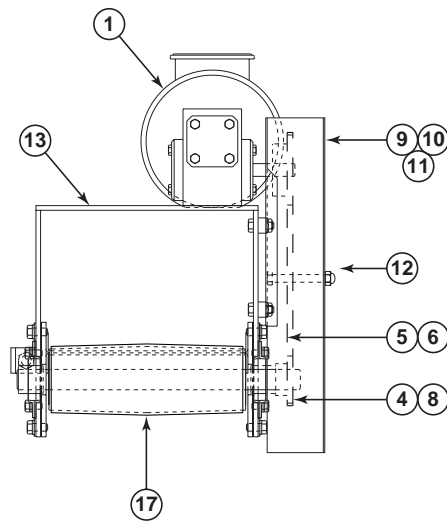
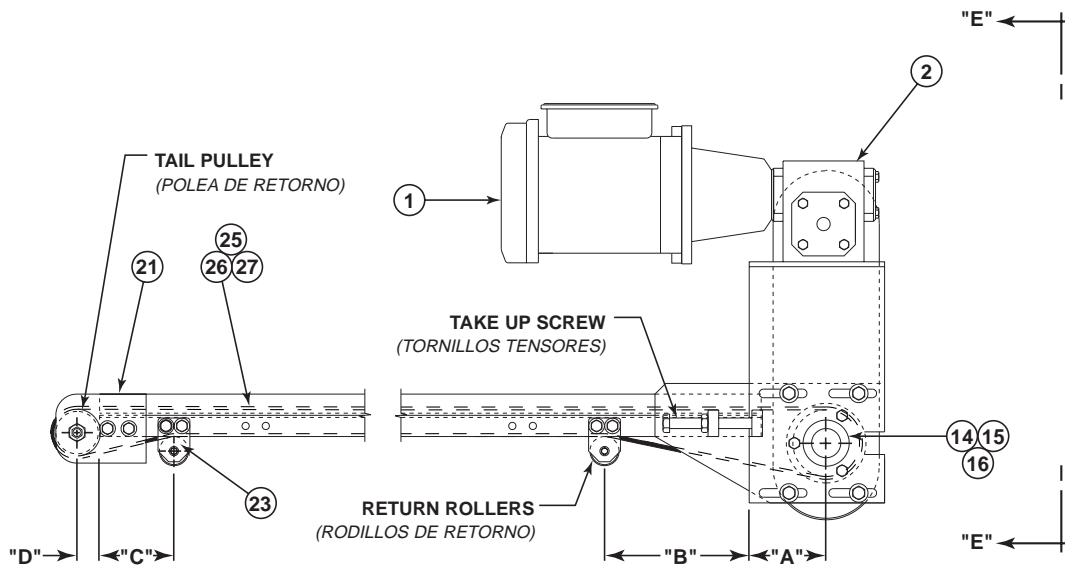
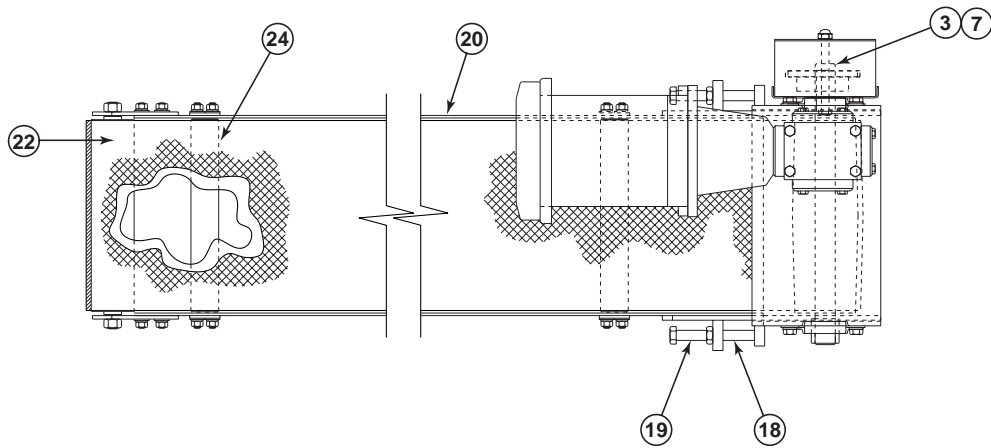
● Mantenimiento

Para asegurar que el transportador trabaja con carga mínima, los siguientes puntos deben revisarse regularmente y realizar el mantenimiento necesario.

- 1. . . Lubricación de la cadena y tensión*
- 2. . . Tensión y alineación de la banda*
- 3. . . Motor y reductor*
- 4. . . Rodamientos*
- 5. . . Alineación de las catarinas*
- 6. . . Tornillos flojos, catarinas y rodamientos*

● Notes

● Model PCA Parts Drawing
Dibujo de Partes del Modelo PCA



VIEW "E-E"

● Model PCA Parts List

Lista de Partes del Modelo PCA



RECOMMENDED SPARE PARTS LIST HIGHLIGHTED IN GRAY

Las Partes de Repuesto Recomendadas se Resaltan en Gris

Ref. No.	Part No.	Description
1	030.7134	Motor—C-Face, 1/2 HP—230/260 VAC—3 Ph.—60 Hz.—TEFC
2	055.0804	Speed Reducer—30:1 Ratio—C-Face
3	026.1325	Sprocket—Reducer, 40B20 x 5/8 in. Bore
4	026.109	Sprocket—Drive Pulley, 40B13 x 1 in. Bore
5	029.100	#40 Riveted Roller Chain
6	029.200	Connector Link—#40 Roller Chain
7	090.202	Shaft Key—3/16 in. Sq. x 1 in. Long
8	090.203	Shaft Key—1/4 in. Sq. x 1 in. Long
9	B-12049	Chain Guard Front Plate
10	B-12051	Chain Guard Back Plate
11	098.150	Spacer—13/32 in. I.D. x 3/4 in. O.D. x 3/8 in. Long
12	041.919	Acorn Nut—3/8-16
13	—	Motor Base Plate Assembly
—	B-04425-004	4-1/2 in. OAW Conveyor
—	B-04425-006	6-1/2 in. OAW Conveyor
—	B-04425-008	8-1/2 in. OAW Conveyor
—	B-04425-010	10-1/2 in. OAW Conveyor
—	B-04425-012	12-1/2 in. OAW Conveyor
—	B-04425-018	18-1/2 in. OAW Conveyor
—	B-04425-024	24-1/2 in. OAW Conveyor
14	010.403	Bearing Cartridge—1 in. Bore
15	010.404	Bearing Stamping Round—1 in. Bore
16	099.250	Shim for HYTROL Tail Pulley
17	—	2-1/2 in. Dia. Drive Pulley Assembly
—	B-04441-004	4-1/2 in. OAW Conveyor
—	B-04441-006	6-1/2 in. OAW Conveyor
—	B-04441-008	8-1/2 in. OAW Conveyor
—	B-04441-010	10-1/2 in. OAW Conveyor
—	B-04441-012	12-1/2 in. OAW Conveyor
—	B-04441-018	18-1/2 in. OAW Conveyor
—	B-04441-024	24-1/2 in. OAW Conveyor
18	040.407	Take-Up Bolt—1/2-13 x 4 in. Long
19	041.01	Hex Jam Nut—1/2-13
20	—	Bed Assembly
—	—	4 ft. Long Bed Assembly
—	B-04450-004	4-1/2 in. OAW Conveyor
—	B-04450-006	6-1/2 in. OAW Conveyor
—	B-04450-008	8-1/2 in. OAW Conveyor
—	B-04450-010	10-1/2 in. OAW Conveyor
—	B-04450-012	12-1/2 in. OAW Conveyor
—	B-04450-018	18-1/2 in. OAW Conveyor
—	B-04450-024	24-1/2 in. OAW Conveyor
—	—	5 ft. Long Bed Assembly
—	B-04451-004	4-1/2 in. OAW Conveyor
—	B-04451-006	6-1/2 in. OAW Conveyor
—	B-04451-008	8-1/2 in. OAW Conveyor
—	B-04451-010	10-1/2 in. OAW Conveyor
—	B-04451-012	12-1/2 in. OAW Conveyor
—	B-04451-018	18-1/2 in. OAW Conveyor
—	B-04451-024	24-1/2 in. OAW Conveyor
—	—	6 ft. Long Bed Assembly
—	B-04427-004	4-1/2 in. OAW Conveyor
—	B-04427-006	6-1/2 in. OAW Conveyor
—	B-04427-008	8-1/2 in. OAW Conveyor
—	B-04427-010	10-1/2 in. OAW Conveyor

Ref. No.	Part No.	Description
—	B-04427-012	12-1/2 in. OAW Conveyor
—	B-04427-018	18-1/2 in. OAW Conveyor
—	B-04427-024	24-1/2 in. OAW Conveyor
—	—	8 ft. Long Bed Assembly
—	B-04452-004	4-1/2 in. OAW Conveyor
—	B-04452-006	6-1/2 in. OAW Conveyor
—	B-04452-008	8-1/2 in. OAW Conveyor
—	B-04452-010	10-1/2 in. OAW Conveyor
—	B-04452-012	12-1/2 in. OAW Conveyor
—	B-04452-018	18-1/2 in. OAW Conveyor
—	B-04452-024	24-1/2 in. OAW Conveyor
—	—	10 ft. Long Bed Assembly
—	B-04453-004	4-1/2 in. OAW Conveyor
—	B-04453-006	6-1/2 in. OAW Conveyor
—	B-04453-008	8-1/2 in. OAW Conveyor
—	B-04453-010	10-1/2 in. OAW Conveyor
—	B-04453-012	12-1/2 in. OAW Conveyor
—	B-04453-018	18-1/2 in. OAW Conveyor
—	B-04453-024	24-1/2 in. OAW Conveyor
21	B-04438	Tail Pulley Support Plate
22	—	2-1/8 in. Dia. Tail Pulley Assembly
—	B-04426-004	4-1/2 in. OAW Conveyor
—	B-04426-006	6-1/2 in. OAW Conveyor
—	B-04426-008	8-1/2 in. OAW Conveyor
—	B-04426-010	10-1/2 in. OAW Conveyor
—	B-04426-012	12-1/2 in. OAW Conveyor
—	B-04426-018	18-1/2 in. OAW Conveyor
—	B-04426-024	24-1/2 in. OAW Conveyor
23	B-04437	Return Idler Bracket
24	—	1-3/8 in. Dia. Return Idler Assembly
—	G-00435-038	4-1/2 in. OAW Conveyor
—	G-00435-054	6-1/2 in. OAW Conveyor
—	G-00435-070	8-1/2 in. OAW Conveyor
—	G-00435-086	10-1/2 in. OAW Conveyor
—	G-00435-102	12-1/2 in. OAW Conveyor
—	G-00435-150	18-1/2 in. OAW Conveyor
—	G-00435-198	24-1/2 in. OAW Conveyor
25	—	Black Polymate 90 FBS Belt
—	063.499	4-1/2 in. OAW Conveyor
—	063.500	6-1/2 in. OAW Conveyor
—	063.501	8-1/2 in. OAW Conveyor
—	063.502	10-1/2 in. OAW Conveyor
—	063.503	12-1/2 in. OAW Conveyor
—	063.506	18-1/2 in. OAW Conveyor
—	063.508	24-1/2 in. OAW Conveyor
26	—	UX-1SP Clipper Unibar Lacing (Specify Length)
27	—	#25 Lacing Pin (Specify Length)



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