



INSTRUCTIONS FOR PICKER CONVEYORS

MODEL NO.

FTP

SERIAL NO.



**FEATURING FULLY
PROGRAMMABLE
CONTROL SYSTEM**



PPE Conveyors are manufactured and sold direct by Plastic Process Equipment, Inc. We are not associated with any other manufacturer. Always specify genuine PPE conveyors! Do not accept substitutes.

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PLASTIC PROCESS EQUIPMENT, INC.

www.ppe.com • e-mail: sales@ppe.com

**PPE
WEST**

6385 Montessouri Street, Las Vegas, Nevada 89113
702-433-6385 • 800-258-8877 • Fax: 702-433-6388

**PPE
SOUTH**

11218 Challenger Avenue, Odessa, Florida 33556
727-834-8888 • 800-282-6783 • Fax: 727-834-8873

8303 CORPORATE PARK DRIVE, MACEDONIA (Cleveland), OHIO 44056, USA

216-367-7000 • Toll Free: 800-321-0562 • Fax: 216-367-7022 • Order Fax: 800-223-8305

Toll Free: USA, Canada & Mexico
800-362-0706

KNOW YOUR WARNING SIGNS AND SYMBOLS!

This instruction manual and our products may use the following signal words Caution and/or Danger symbols to call attention to the degree or level of possible hazard seriousness. Pay attention to them!

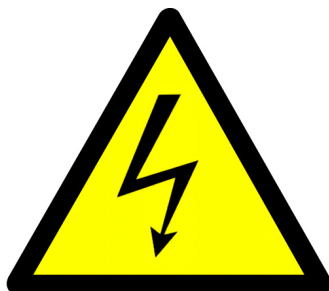
1. **CAUTION:** A warning to indicate a potentially hazardous situation which, if ignored, may result in personal injury or threat of health. Also used to alert against unsafe practices which could cause property damage or accidents. See labels B & BB.
2. **WARNING:** Warns of a potentially hazardous situation which, if not avoided, could result in serious injury. Warning signs are a yellow triangle with a black border and black symbols. See Label A.
3. **DANGER:** Indicates an imminently hazardous situation which, if not avoided, may result in serious injury or death. This signal word is limited to the most extreme situations. Always follow the warnings or instructions that accompany the danger label, such as: High Voltage, Acid, Hot Surface, etc, etc, etc. See Labels C & CC.
4. **SYMBOL/PICTORIAL:** Conveys a message without words. See labels A & B.
5. **SAFETY ALERT SYMBOL** (an exclamation point inside a triangle): Is a general warning and indicates a potential personal injury hazard. Follow instructions and read labels and/or product information before you proceed! See Label A.

Label A



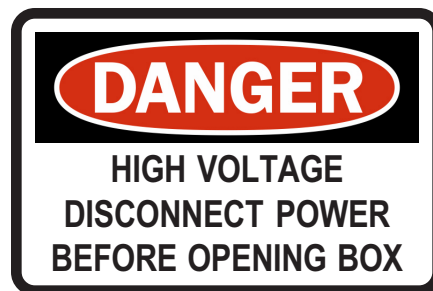
General Warning Sign

Label B



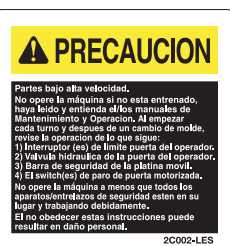
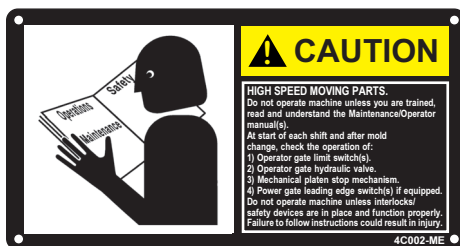
Hazard Warning Sign

Label C

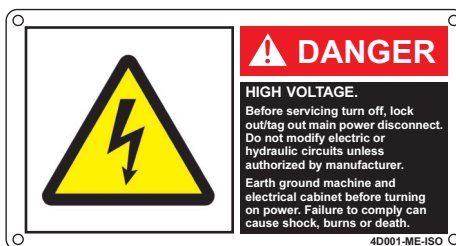


Danger Warning Sign

Label BB



Label CC



Thank you for purchasing a conveyor or separator from Plastic Process Equipment, Inc. These instructions are intended as a guide for your new product. If you have any additional questions, contact PPE at 800-321-0562.

RECEIVING

Thoroughly inspect your new conveyor or separator before unpacking it for set up. Report any damage to the motor freight carrier; they are responsible for damages incurred during transit.

ATTENTION!!

Please read through the entire booklet first.

You must be trained and authorized by your employer in the proper installation operation, maintenance and set-up of your new equipment. ***Safety First Always!***

ELECTRICAL

All conveyors and separators are equipped with a control device and an overload protection fuse. A grounded 120 volt outlet and a three wire grounded extension cord must be used at all times.

The On/Off switches on some models are resettable, should the switch get overloaded for some reason it may be necessary to reset it before the conveyor will run again. See switch cover for reset instructions.

PROGRAMMABLE CONTROL

Fully programmable control system offers variable speed 0-30 feet per minute, indexing ability, photo-eye capable, reversible direction and can interface with an injection molding machine. Includes electronic motor overload protection, short, fault, plus over/under voltage protection. Requires 120/60/1 grounded power supply. Control converts power supply to 230/60/3 for the drive motor. Please refer to the control instructions.



CAUTION DURING USE AND OPERATION OF CONVEYORS OR SEPARATORS

- Do not wear loose clothing or jewelry around the conveyor.
- Do not wear rings, necklaces, or jewelry.
- Long hair **must** be tied and netted.
- Keep all hands, arms, and fingers away from any moving parts except the conveyor belt surface.
- Never stand on the conveyor belt for any reason whatsoever.
- Do not operate any conveyor with the guards removed.
- Do not operate the conveyor with parts missing, removed, or in a disassembled state.
- Pay special attention to the ON-OFF switch location.
- Wear safety glasses if your company or process requires them.
- You must unplug the conveyor before performing any repairs or maintenance.
- If you are unsure about installation, operation, maintenance, or setup call PPE!

TYPES OF CONVEYORS

PPE carries both V-Belt and non V-Belt Conveyors. The easiest way to tell if your conveyor is a V-Belt is by the serial number. If there is a "V" in the serial number your conveyor is a V-Belt. **EXAMPLE:** the serial number PC1812**V**251439 is a conveyor with the V-Belt system (note the V in the serial number).

BELT TRACKING AND TENSION

All conveyors and separators are thoroughly tested in our factory after final assembly. Although the belts are adjusted to track properly with the right amount of tension, some adjustments may be necessary during use. For best results and longevity of the drive components, the belt should be run with the **LEAST** tension needed to transport the load without slipping. If the belt is too loose, it will slip causing wear to the belt's underside. **CAUTION: DO NOT OVERTIGHTEN THE CONVEYOR BELT.** An overtightened belt will cause premature failure of your bearings, shafts and, on some models, the drive unit.

BELT TRACKING: THE V-BELT STYLE

The V-Belt tracking system keeps your belt centered and tracking properly. No adjustment should be necessary if both take up bolts are adjusted the same amount during belt tension adjustment.

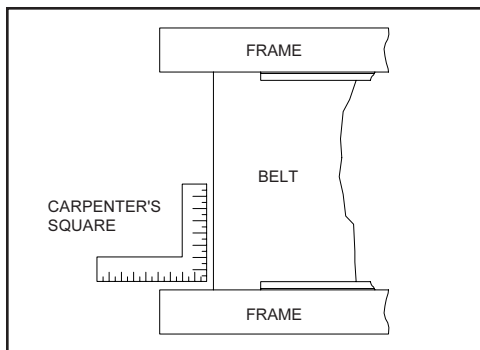


Figure 1

To check the tracking of your belt, place a carpenter's square along the frame and belt of your conveyor. If it is tracking properly, the carpenter's square will fit snugly in the corner (*see Figure 1*). If your conveyor is not tracking properly, adjust the locking nuts on both sides until they are equal. **BE CAREFUL NOT TO OVERTIGHTEN!**

LUBRICATION: CHAIN DRIVE UNITS

(FTP, BIC, FT, FS, VICB, PC 06, PC 12, PC 18, PC 24, PCS, PUC, VIB, ICG, PCS) PPE chain drive units use permanently lubricated drive chains that do not require lubrication. All bearings are permanently lubricated, therefore we do not provide a grease fitting.

CAUTION:

DO NOT ALLOW LUBRICATION TO GET
ON THE UNDERSIDE OF THE BELT.

CAUTION:

BEARINGS SHOULD NOT RUN CONTINUOUS
AT TEMPERATURES OVER 200°F
AND SHOULD NEVER EXCEED 225°F
FOR INTERMITTENT OPERATIONS.

WARRANTY

All PPE Conveyors have a full **two year warranty**. This warranty doesn't include conveyor belts because they are subject to excessive wear damage and abuse by the user. This Warranty should not extend to goods subjected to misuse, abuse, neglect, accident or improper installation or maintenance, or products or goods which have been altered, modified or repaired by anyone other than seller or its authorized and approved representatives.

MODIFICATIONS:

WARNING! Do not modify this machine in any way. Modifications of any kind not only void any warranty, but it can cause serious injury or damage to the equipment and/or personnel.



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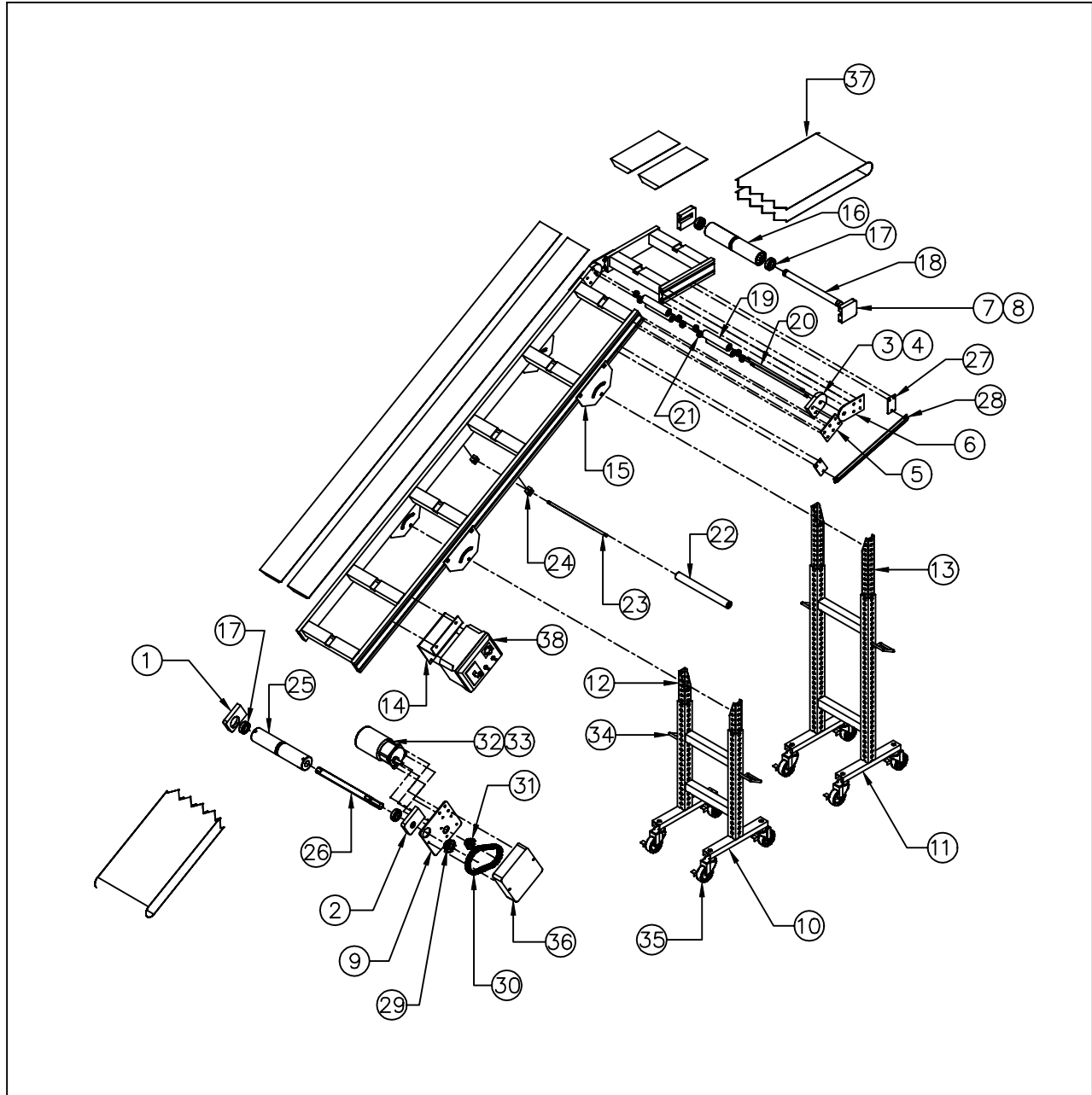
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FTP CONVEYOR PARTS



PLASTIC PROCESS EQUIPMENT, INC.

8303 Corporate Park Drive, Macedonia (CLEVELAND), OHIO 44056
 (216) 367-7000 TOLL FREE: 800-321-0562 FAX (216) 367-7022 ORDER FAX: 800-223-8305 EMAIL: SALES@PPE.COM

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11218 Challenger Ave., Odessa, FL 33556
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 FAX: (727) 834-8873

FTP CONVEYOR PARTS LIST

09/02/22

ITEM	PART NUM	DESCRIPTION	QTY	
1	A-8271	DRIVE SIDE RAIL END (LEFT) FOR FTP	1	
2	A-8273	DRIVE SIDE RAIL END (RIGHT) FOR FTP	1	
3	A-8274L	PIVOT RAIL END (LEFT) FOR FTP	1	
4	A-8274R	PIVOT RAIL END (RIGHT) FOR FTP	1	
5	A-8335	RAIL END PLATE FOR FTP	2	
6	A-8269	PIVOT PLATE FOR FTP	2	
7	A-8270L	IDLER SIDE RAIL END (LEFT) FOR FTP	1	
8	A-8270R	IDLER SIDE RAIL END (RIGHT) FOR FTP	1	
9	A-12955	MOTOR MOUNTING BRACKET FTP (OLD# A-8267)	1	
10	A-8344-12A	SHORT STAND BASE 12" FOR FTP	1	
10	A-8344-12B	TALL STAND BASE 12" FOR FTP	1	
11	A-8344-18A	SHORT STAND BASE 18" FOR FTP	1	
11	A-8344-18B	TALL STAND BASE 18" FOR FTP	1	
12	B-8345-26	UPPER STAND LEGS FTP	2	
13	B-8345-40	UPPER STAND LEGS FTP	2	
14	A-12952	LENZE CONTROLLER BRACKET FOR SOME FTP/PC CONVEYORS	1	
36	A-8366	CHAIN GUARD FOR FTP	1	
15	A-11253	ANGLE TILT PLATE FOR FTP W/ZINC PLATED FINISH	4	
not shown	3287T-NUT	T-NUT FASTENER FOR EXTRUSION	34	
16	B-8369-12	12" IDLER ROLLER FOR FTP	1	
16	B-8369-18	18" IDLER ROLLER FOR FTP	1	
17	99R16	SINGLE ROW BALL BEARING 1X2X1/2	4	
18	B-8331-12	IDLER SHAFT 12"	1	
18	B-8331-18	IDLER SHAFT 18"	1	
19	A-8367-12	TOP TRANSITION ROLLER 6" (LESS BEARINGS) FOR FTP	2	
19	A-8367-18	TOP TRANSITION ROLLER 9" (LESS BEARINGS) FOR FTP	2	
20	B-8333-12	TRANSITION ROLLER SHAFT 12" X 10MM	2	
20	B-8333-18	TRANSITION ROLLER SHAFT 18" X 10MM	2	
21	BRG10X26	BEARING 10MM X 26MM	8	
22	A-8368-12	12" BOTTOM TRANS AND SAG ROLLER 12" (LESS BEARINGS)	2	
22	A-8368-18	18" BOTTOM TRANS AND SAG ROLLER 12" (LESS BEARINGS)	2	
23	B-8334-12	SAG ROLLER SHAFT 12" X 10MM	1	
23	B-8334-18	SAG ROLLER SHAFT 18" X 10MM	1	
24	A-8328	SAG ROLLER MOUNT BLOCKS FOR FTP	2	
25	B-5578-12N	VEE GROOVE ROLLER 12" KNURLED	1	
25	B-5578-18N	VEE GROOVE ROLLER 18" KNURLED	1	
26	B-8276-12	DRIVE ROLLER SHAFT 12"	1	
26	B-8276-18	DRIVE ROLLER SHAFT 18"	1	
27	A-8283	INCLINE SUPPORT MOUNTING BRACKET FOR FTP W/ZINC PLAT	4	
28	A-8284	INCLINE SUPPORT BAR FOR FTP	2	
29	H40B12X1	4012 X 1" HARDENED SPROCKET DRIVEN	1	
30	40CK	40 CHAIN, HALF LINK, MASTER LINK KIT	1	
31	H40B10X3/4	4010 X 3/4" HARDENED SPROCKET DRIVE	1	
32	2263	3/8 HP AC BODINE MOTOR 230V 3 PHASE	1	
32	0984	JUNCTION BOX FOR BODINE MOTOR	1	
33	XC290	3/8 CONNECTOR	3	
34	T092	LOCK PIN	4	
35	CW4	CASTERS WITH LOCK	8	
36	A-8366	CHAIN GUARD FOR FTP	8	
37		BELT 12" WIDE	1	
37		BELT 18" WIDE	1	
38	ESV371NO1SXB	LENZE MULTI-FUNCTION CONTROLLER	1	
not shown	7696K31	IN-LINE FUSE HOLDER (OLD# 7696K41)	1	
not shown	ABC-12	FUSE	1	

PARTS FOR UNITS BUILT PRIOR TO 1/1/19				
OPTIONAL	A-8267	MOTOR PLATE FOR FTP	1	
OPTIONAL	A-8268	CONTROL MOUNT BRACKET FOR FTP	1	
OPTIONAL	A-8366	CHAIN GUARD FOR FTP	1	
OPTIONAL	H40B10X1/2	4010 X 1/2" HARDENED SPROCKET	1	
OPTIONAL	NP864B	CONTROL BOX	1	
OPTIONAL	49400081	CAPACITOR W/MOUNTING BOX 0984	1	
OPTIONAL	455	455 1/15HP BODINE GEARMOTOR	1	

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for internal
use only