



Instruction and Maintenance Manual
Floor to Floor Tire Conveyor
with Portable Stand
Model: F2F-12



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Warnings and Cautions

WARNING

Failure to follow these instructions when operating conveyor may result in personal injury or property damage!

CAUTION

This portable conveyor stands 11' 2" high. Always watch for overhead obstacles when moving this conveyor, including lighting, electrical, fire extinguishing equipment, water lines, air lines, gas lines, overhead doors, catwalks, roof trusses, etc.

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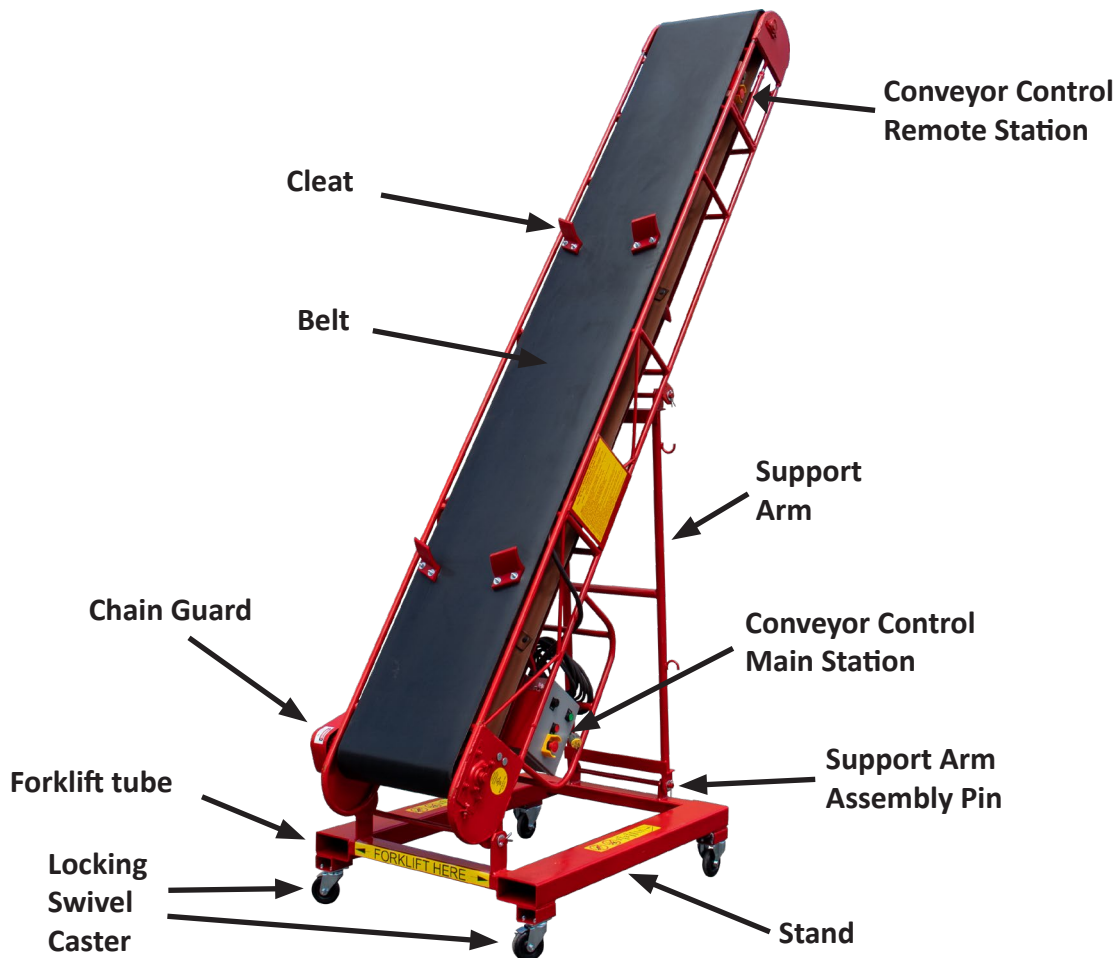
Product Description

The E-ZLIFT Floor to Floor Tire Conveyor with Portable Stand is a mobile conveyor for transferring passenger car tires between two levels. The conveyor enables safe and efficient tire handling for warehousing and retail applications. The self-contained unit is designed for easy assembly with the use of a forklift and minimal personnel.

Product Specifications

Weight:	465 lbs.
Height:	11' 2"
Width (stand):	36"
Width (overall):	36"
Length (stand):	48"
Length (overall):	90"
Power:	115VAC

Conveyor Component Identification



Handling and Assembly

The conveyor unit has two configurations: shipping and assembled. The conveyor stand is designed to aid in handling and portability in both configurations. The stand has dedicated forklift tubes for use in shipping configuration. Fork tubes should only be during during assembly and for caster replacement. **Tools: Metal Snips, Rubber Mallet, Needle Nose Pliers, 1/2" Wrench**



Handling Procedure:

1. Unlock the two swivel casters and slide the conveyor to the trailer opening.
2. Forklift the conveyor to a suitable assembly location with no overhead restrictions under 15 ft. Do not attempt to assemble the conveyor near overhead power lines!

Note: Assembled conveyor height is 11' 2".



Assembly Procedure:

1. Cut the metal band and remove the protective plastic wrap. Take care not to cut the conveyor belt or electrical wire.
2. Position the supplied double-eye lifting sling on a fork as shown. Important: The opposing fork must be positioned towards the base of the conveyor as shown.

Handling and Assembly

Warning:

The conveyor unit is heavy equipment! Three personnel are required to safely assemble the conveyor. Do not attempt to assemble the conveyor in upright position with less than three personnel!

Required Personnel: 1) Forklift Operator 2) Spotter 3) Assembler



Assembly Procedure (cont'd):

The spotter shall ensure the conveyor is properly secured at all times!

3. Raise the strapped conveyor while allowing the support arm to pivot and remain on the ground. Caution: The conveyor stand will reposition itself while the conveyor is raised.

When the conveyor is settled, verify the lifting sling remains secured to the fork.

Do not proceed to the next step without verifying the above condition!

4. Remove the bottom support arm pin (consisting of an 18" long pin, washer, and cotter pin).

5. Adjust the fork height to line up the support arm pin ears with the ears located on the stand.

6. Replace the support arm pin through all four ears. Replace the washer and cotter pin.

The conveyor is now secured. Lower the fork and remove the lifting sling from the conveyor.

Handling and Assembly



Assembly Procedure (cont'd):

7. For shipping, the roller chain guard is stored inside the conveyor frame, between the belt. Remove the chain guard and install using the three bolt studs on the conveyor frame. The hardware consists of 5/16" lock washers and nuts. Use a 1/2" wrench to secure the chain guard.
8. The conveyor support arm features cord wrap hooks for the power cord. Keep the power cord wrapped when the conveyor is not in use.
9. Keep the swivel casters locked at all times when the conveyor unit should be stationary.

Operation

Conveyor Controls

The conveyor has operating controls at the bottom and top of the unit.

- The Main Station at the bottom has 4 buttons: Forward, Reverse, Stop, and Emergency Stop.
- The Remote Station at the top has 3 buttons: Forward, Reverse, and Emergency Stop.
- Emergency Stops operate in a Push/Pull configuration. Both buttons must be *pulled* out for belt operation.
- If the belt does not operate and both E-Stops are pulled, check the thermal reset on the motor.



Main Station

Emergency Stops
(E-Stops)

A black double-headed arrow pointing left and right, indicating the relationship between the Main Station and Remote Station emergency stop buttons.

Remote Station



Thermal Reset
Button

Tire Handling

The belt cleats are designed to work as a set of 2 to carry tires from the tire underside.

- Load only 1 tire for each cleat set.
- Ensure the loaded tire is flush with the face of the belt.
- Do not “ring” tires onto cleats. Doing so may cause the tire to fall off.



Maintenance

Belt Alignment & Tensioning

Belt alignment is needed when the belt rubs against the frame at either end of the conveyor.

Alignment is done at both ends of the conveyor, though most adjustment occurs at the take-up end.

Hint: Align the belt in the forward direction first and use 1/2 turn increments of bolt adjustment.



Drive end

1. Loosen the 4 locking nuts on the right side of the drive end (only the right side has adjustment).
2. Tighten the adjustment bolt to move the belt left, or vice versa.

Take-up end

1. Loosen the jam nuts on the left and right take-ups.
2. Ensure about 2-1/2" of thread is showing on each take-up for proper belt tension.
3. Tighten a take-up to move the belt away from that side, and vice versa.