

HORIZONTAL CONVEYOR

INSTALLATION AND REPAIR MANUAL



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INCLINE CONVEYOR

INSTALLATION INSTRUCTIONS

Positioning of the conveyor

- Install the conveyor with higher end towards the discharge end of the line. The conveyor will travel from the operator's right to the operator's left.

Installing Electrical Supply

- The units have been supplied for either 110 volt/single phase, 220 volt/single phase, 220 volt/3 phase, 380 volt/3 phase, or 460 volt/3 phase power. The voltage for which the unit has been wired is shown on the specification sheet and marked on the motors. Be sure that the voltage supplied matches the voltage of the equipment. A power cord has not been provided and the equipment must be hard wired to your control panel according to local electrical approved codes.

SET-UP AND OPERATION

Pre-operation Checks

- Apply electrical power to the unit.
- Turn the on/off switch located on the control box to the "on" position.
- The conveyor should now be running from the operators right to their left.
- If the conveyor is running in the opposite direction, and the unit has been supplied for 3 phase electricity, remove the electrical power from the unit. Swap any two legs of the incoming 3-phase power. Re-apply the electrical power to the unit, and the conveyor will run in the opposite direction.

MAINTENANCE

- Apply a general purpose grease once a week to the two 1" flange mount bearings on the head pulley and the two 1" take-up bearings on the tail pulley.
- Check the drive chain for slack and signs of wear monthly. Adjust and/or replace as necessary. Check the conveyor belt and lacing for signs of wear monthly. Repair and/or replace if necessary.

NOTE: The motors and gear box have been lubricated at the factory prior to shipment. However, in transit, occasionally lubrication has been lost. Check carefully for any signs of oil in packing or loss of oil in the first hours of operation. (Do not use equipment if in low oil condition).

TROUBLE SHOOTING

Belt Not Tracking

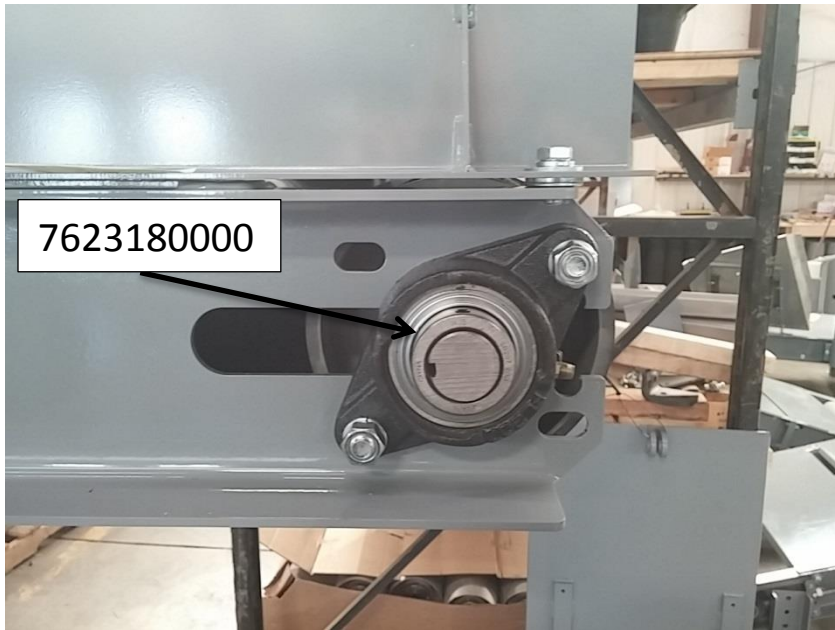
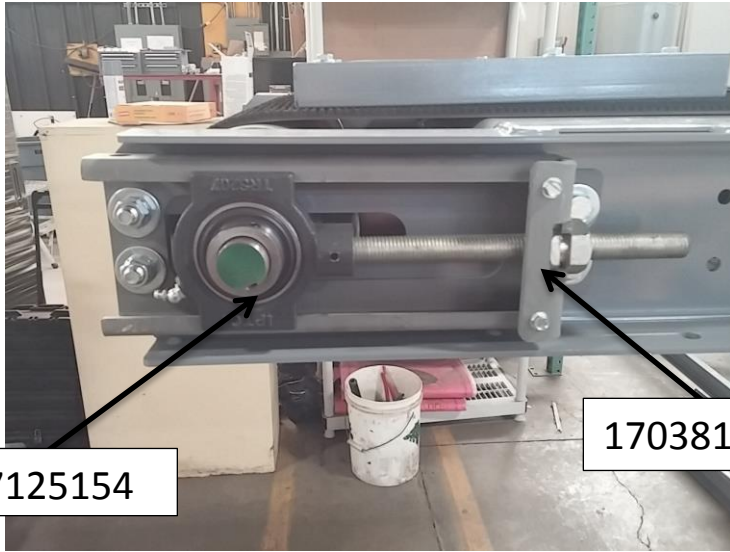
- Adjustments are on the tail end of the conveyor through adjustable bearings. If the belt is tracking to the top side of the conveyor, tighten the bearing on the top side. Check the alignment of the conveyor belt closely when first installed as belt mis-tracking can occur during transportation. The tightness of the belt should be set so that the operator could pull up from the center of the belt 2" to 4" (50 to 100 cm) easily by hand.
- Conveyor is not planed and leveled.

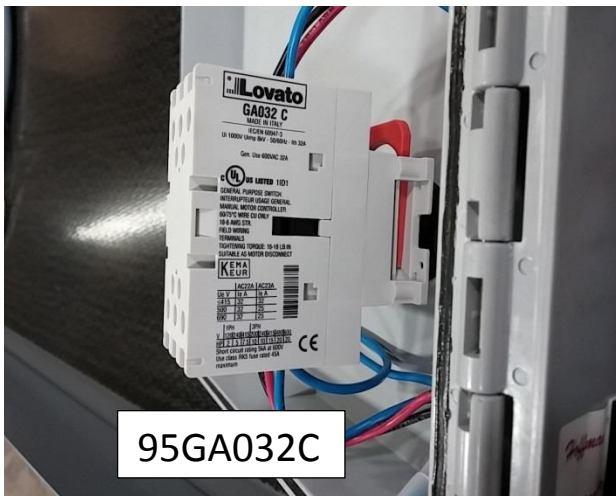
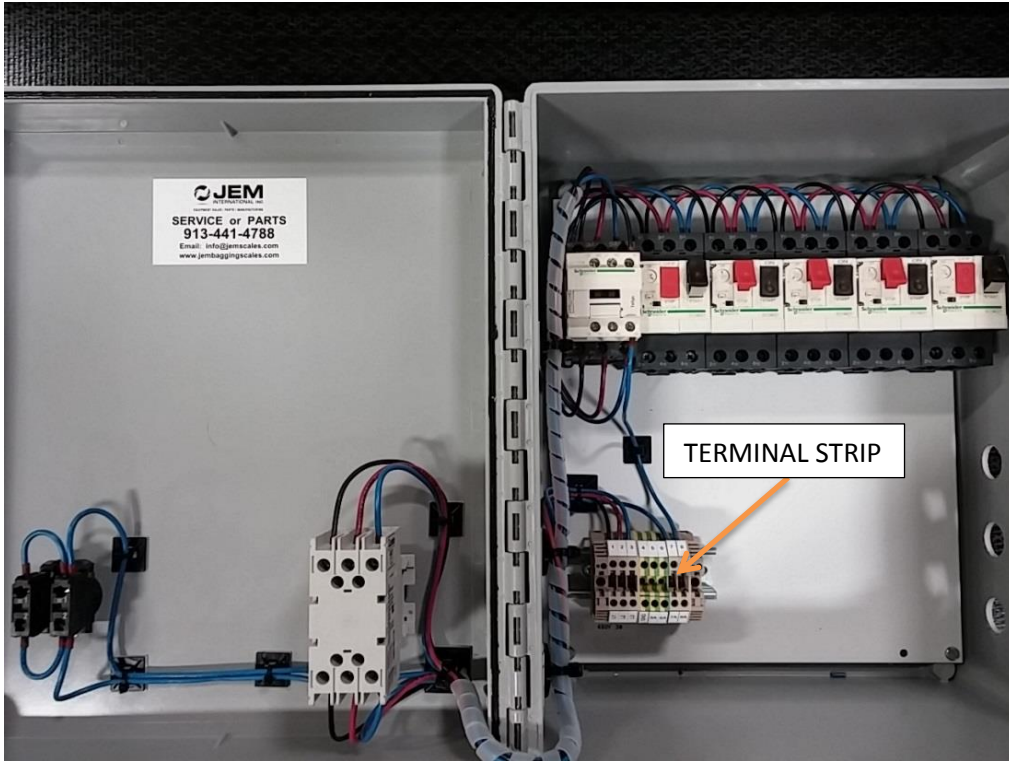
Conveyor running too fast or too slow:

The current gear box and motor combination may not be right for your application. If you need a slower speed, a gear box with a ratio of 40:1 may work better for you than a ratio of 30:1. Or, if your application requires a faster conveyor speed, a lower ratio might work best.

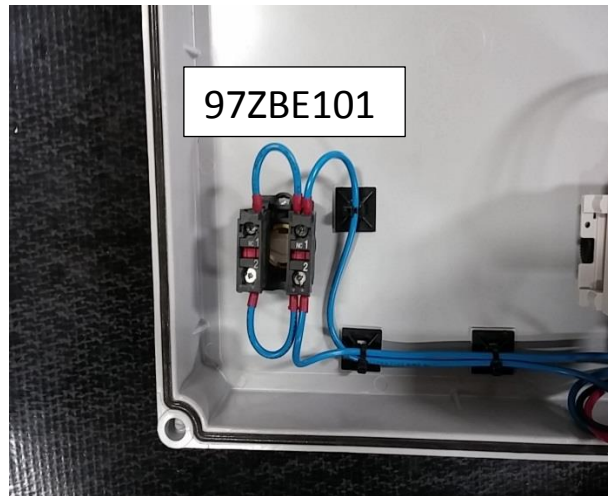
Unit does not function when turned to "on" position

- Check the AC Power Supply. Is the circuit breaker turned on?
- Check for loose wire connections.
- If the unit still fails to function, call JEM International at (913) 441-4788.

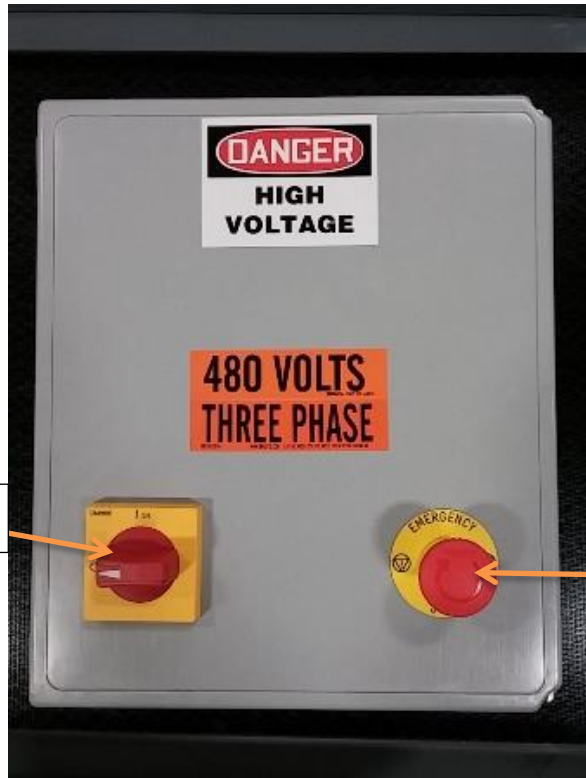




OPPOSITE SIDE: ON/OFF SWITCH--95GAX63

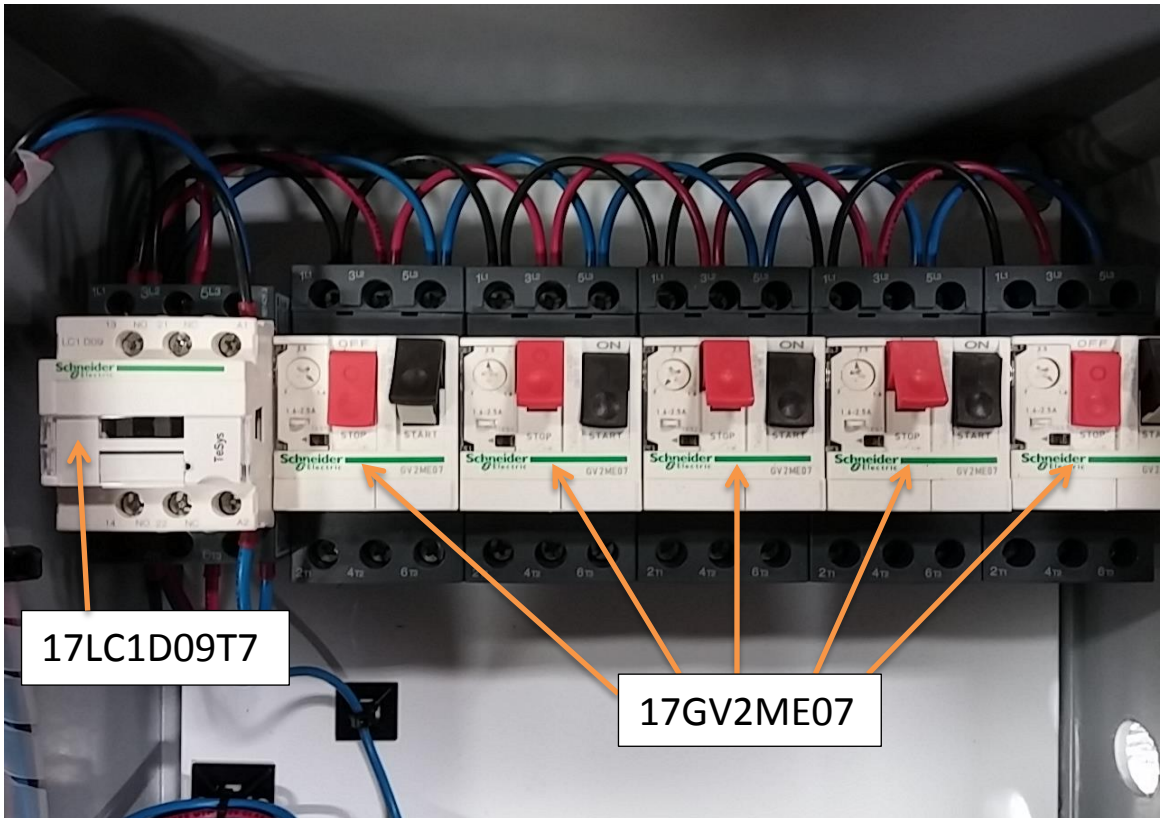


OPPOSITE SIDE: E-STOP—ZB5AS844



95GAX63

ZB5AS844



17LC1D09T7

17GV2ME07

PART #	DESCRIPTION
0012110125	Motor - 1.5 HP 3PH 56C Frame
0012003546	Motor - 1 HP 3PH 56C Frame
3700600008	Gear Box
3800110001	Belting - 24" wide 2 Ply Black Smooth
3800020005	Belt lacing 24" SS
17038110	Take up Frame
17125154	Take up Bearing
7623180000	Bearing - Head Pulley
9500380001	Terminal Strip
97ZBE101	N/O Contact
95GA032C	Door Mounting Switch
17SDS114	Bushing SDS X 1.25"
17LC1D09T7	Contacto 480V Coil
17GV2ME07	Starter MMP 2.5-4 amps
0005000041	Gravity Roller 2-1/2' Length; 11/16" Hex Shaft
ZB5AS844	Emergency Stop Button
95GAX63	On/Off Switch