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## EA- EXTRUDED ALUMINUM CONVEYOR OPERATION & MAINTENANCE MANUAL

It is the responsibility of the purchaser of this conveyor to train operating personnel in the proper manner of operation. It is furthermore understood that EMI Corporation assumes no responsibility for injury, disability, or death resulting from improper operation of, removal of, or bypassing of any electrical or mechanical safety devices incorporated in the design and manufacturing of this conveyor.

**EMI Conveyors are built in accordance with ANSI/ASME B20.1-1984. When used in conjunction with other equipment, user must comply with 5.9.1.1 of this standard, which is written as:**

Interfacing of equipment: When two or more pieces of equipment are interfaced, special attention shall be given to the interfaced area to insure the presence of adequate guarding and safety devices.

You as the user, therefore, are required to comply with these standards concerning the interfacing of this equipment.

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### Sales & Customer Service

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## Extruded Aluminum Frame Belt Conveyor Specifications

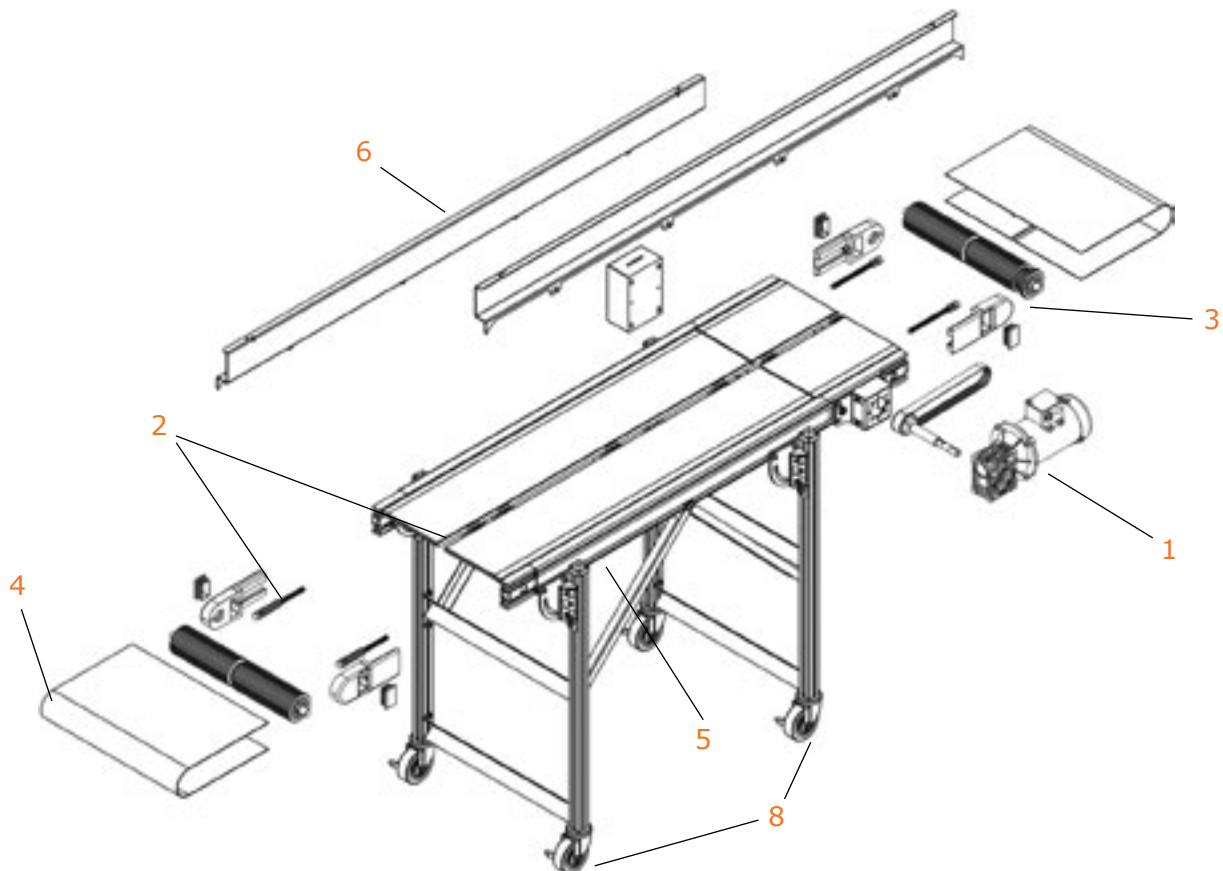
**Drive Package:** Includes a 1/3 hp 90V DC TEFC motor with a 6-20 FPM variable speed controller (12-40 FPM or 21-70 FPM are available at no charge). The gear reducer is sealed and permanently lubricated requiring no service. Power transmission is by timing belt that is enclosed within the conveyor frame. 15' of SJ cord with a standard three-prong plug is pre-wired to the starter. Control wiring is contained in liquid-tight conduit and connectors. EA conveyors 3'-33' long have 100 lb. maximum load.

**Belt Tensioning and Guidance:** Automatic spring-loaded belt tensioning is standard on all EA conveyor models. This keeps the belt properly tensioned and tracking straight and facilitates ease of belt changes. V-guided True Track Belt Guidance System comes standard on 3'-33' long conveyors.

**Pulleys and Bearings:** Our exclusive EA-model pulleys are 3½" diameter with 1" diameter shafts and incorporate built-in belt traction teeth. The self-aligning bearings are permanently lubricated and maintenance free.

**Belting:** The easy to clean belting is made of FDA approved polyurethane and has temperature resistance up to 175°F. Staple-type belt lacing is standard. Endless belting is available at no charge. Inclined conveyors have bonded flexible cleats that have no bolts or rivets that may tear out.

- 5 **Frame:** The frame is clear anodized extruded aluminum with side channels that accept standard 3/8" hex head bolts/nuts. This makes it easy to add peripheral equipment onto the conveyor by sliding hex head bolts into the slots then fastening with standard nuts. When requested, we can insert nuts or bolts into the channels when building the conveyor.
- 6 **Rails:** 4" high rails are made of 1/8" anodized aluminum and overlap the belt 1¼" per side to ensure small molded parts do not get pinched, damaged, or lost between the rail and the belt. When conveying larger molded parts, non-overlapping rails are available that increase the usable belt width by 2½".
- 7 **Shipment:** Conveyors 3'-20' are usually shipped fully assembled, pre-wired, tested, and ready to run (except the legs must be attached by the customer). For your convenience, arrangements can be made for longer conveyors to be shipped assembled.
- 8 **Leg Sets:** Easy adjusting extruded aluminum leg sets with 4" and locking swivel castors are included as standard on all EA conveyors. Belt height must be specified.



## Section I. Conveyor Warranty Information & Warnings

**Three Year Conveyor Warranty** EMI conveyors are guaranteed for three years to be free from defects of material or workmanship and to perform as promised when maintained in accordance with EMI manuals and operated under the conditions for which they were designed. Belting is guaranteed for 90 days under the same conditions. Damage due to improper electrical or mechanical applications void this warranty. Upon written notice of defect within three years of sale, EMI will approve pre-paid shipping of the equipment to our factory for inspection, repair or replacement. Repaired or replaced items are returned to the customer at no charge. Returned equipment must be suitably crated by the customer to prevent damage.



### **IMPORTANT**

Whenever you are calling EMI about your conveyor, PLEASE have the Serial Number available. All our records are filed under that Serial Number. This will help us serve you as quickly and efficiently as possible.

**Before you unload your new conveyor,  
please read these words about safety . . .**



### **DANGER**

Operator and maintenance personnel shall read and understand all these precautions, warnings and dangers completely before operating, setting up, running, or performing maintenance on the equipment. Fatal injury may result if the previous instructions are not completely followed!



### **WARNING**

NEVER place any part of your body under a suspended load or move a suspended load over any part of another person's body. Be certain that you have a safe spot for depositing the load before lifting. A falling load, for whatever reason, can result if this instruction is not followed.



### **WARNING**

**The installer must comply with all applicable codes, ordinances, specifications, and/or other governing data related to installation. Failure to follow this instruction may result in personal injury and/or machinery damage.**

## Section I. Warnings

### **WARNING**

The proper clothing for the job is to be worn at all times. A number of types of protective equipment are available which can help you to avoid injury.

- Always wear approved eye or face protection and keep them clean (glasses, shields, etc).
- Wearing safety toe shoes with skid-proof soles will help to prevent injuries from falling objects or slipping and falling.
- Wear a safety hat.
- Keep your protective equipment in good condition, and be sure it meets or exceeds any required or recommended standards.

Failure to heed this warning may result in injury to your personnel and/or damage to your equipment.

### **WARNING**

Accidents can occur that result in serious personal injury to yourself or others due to clothing and other articles becoming entangled in moving conveyor elements. The following suggestions, if followed will help you to avoid such accidents:

- Loose hanging clothing and jewelry must not be worn around moving conveyors.
- Wear short sleeved shirt or roll your sleeves up past your elbow.
- Keep your shirt tucked in.
- If you have long hair, restrain it with a cap or net, or elastic band.
- Wear gloves only when essential, such as for handling rough, sharp, or hot parts. NEVER wear gloves when they can become entangled in the equipment!

### **WARNING**

Do not climb on the equipment. The use of a ladder or platform is recommended. Climbing on the equipment could cause an equipment malfunction and may result in injury if the person is bumped by the equipment, or slips. Failure to heed this warning may result in injury to your personnel and/or damage to your equipment.

### **CAUTION**

Do not remove any blocking or fasteners from the machine until it is set in its permanent location. Failure to follow this instruction may result in equipment damage. *(Refer to Page 7, Unloading Instructions).*

### **CAUTION**

If for any reason, the electrical work can not be completed and the machine must be left unattended, always lock the main disconnect switch in the "OFF" position. NEVER bypass or route around safety limit switches. Failure to heed this warning may result in personal and/or equipment damage. *(Refer to Pages 13, Assembly & Installation Instructions).*

### **CAUTION**

Do not leave foreign articles laying on the conveyor. They could cause injury by distracting or hitting the operator. They could cause the equipment to malfunction by shorting an electrical circuit or jamming the equipment. *(Refer to Page 16, Assembly & Installation Instructions).*

## Section I. Warnings

### WARNING

NEVER over-tighten the belt. Too much tension will damage conveyor components. *(Refer to Pages 16, Assembly & Installation Instructions).*

### WARNING

DO NOT install end flapper on conveyors equipped with reversing. The end flapper keeps product from rolling or falling out the infeed end of the conveyor. *(Refer to Page 37, #8, Assembly & Installation Instructions).*

### CAUTION

Before working on any electrical circuits, panels, or motors, turn the equipment main disconnect device or Manual Starter “OFF”, lock it when applicable, or remove power cord from receptacle. *(Refer to Page 42, Electrics).*

### WARNING

Refer to the serial plate on the conveyor for suitable power sources. *(Refer to Page 42, Electrics)* Make sure the power switch is in the “off” position before connecting the power. For conveyors that require 110 volt single-phase, a power cord and three-prong plug are provided. For 220 volt single-phase, customer must supply a plug. On all three-phase applications, customer must supply cord and plug, or hard-wire into the power switch. Check to make sure all power connections meet National and Local electrical codes. *(Refer to Page 42, Electrics).*

### CAUTION

When working on any component, always be sure it is safely positioned; for example, on a sturdy workbench. NEVER work on a component while it is hanging from a crane or other lifting mechanism. Fatal injury may occur if the previously mentioned instructions are not completely followed. *(Refer to Page 44, Preventative Maintenance).*

### WARNING

NOTE: Before applying any solution to the belt, check to be sure that it does not affect the material of the belt by trying it on a small area first. *(Refer to Page 44, Preventative Maintenance).*

### WARNING

When the equipment is installed, be sure that the motors rotate in the proper indicated direction. Failure to follow this caution could result in personal injury or equipment damage. *(Refer to Page 47, Preventative Maintenance, Motor)*

***Failure to follow this instruction may result in death or serious personal shock injury!***

## Section I. Warnings

### CAUTION

If motor does not readily seat itself, check to determine if key has moved axially along motor shaft, causing interference. Staking of the keyway adjacent to the motor key will facilitate this procedure. (*Refer to Page 48, Preventative Maintenance, Reducer Lubrication*).

### WARNING

Always keep your working area clean. Dirty work areas with such hazards as oil or water on the floor may cause someone to fall to the floor, into the equipment, or onto another object resulting in serious personal injury. If spillage or leakage occurs, immediate attention is recommended. Failure to heed these warnings may result in injury to your personnel and/or damage to your equipment.

### WARNING

Regularly inspect slings, chains, hoist & other lifting devices. For frequency of inspection refer to the Williams-Steiger occupational safety and health act 1910.197 and any instructions applicable to the equipment. Any unsafe equipment should be repaired properly or discarded immediately. Use of unsafe lifting equipment can result in serious injury to you and others. Failure to heed this warning may result in injury to your personnel and/or damage to your equipment.

Cranes, hoists, slings, eyebolts and other lifting equipment have safety rated capacities that should never be exceeded. Be sure the equipment is adequate for the load and application. Refer to standards and instruction applicable to any lifting equipment you use. (For example, USAS Standard B18.15, published by the American Society of Mechanical Engineers, United Engineering Center, New York, containing information concerning safe lifting loads for different size eyebolts, for various angles of lift and application instructions for safe use of eyebolts). Overloaded or unsafe lifting equipment can result in serious injury to you or others. Failure to heed this warning may result in injury to your personnel and/or damage to your equipment.

## Definitions

**INSTALLER:** an individual who is authorized by the employer to prepare and install plastics machinery and related equipment.

**OPERATOR:** an individual who is trained and authorized by the employer to use the plastics machinery or related equipment to perform production work.

**MAINTENANCE PERSONNEL:** an individual who is trained and authorized by the employer to perform preventative maintenance and other technical services of required skill level.

**SET-UP PERSONNEL:** an individual who is trained and authorized by the employer to prepare the plastics machinery or related equipment for production work.



## Section II. Unloading Instructions

### Removing Conveyor From Skid or Crate

**CAUTION** Do not remove any blocking or fasteners from the machine until it is set in its permanent location. Failure to follow this instruction may result in equipment damage.



With the crate still on the skid, unload onto a level area. Carefully remove all crating material, paying particular attention to any bracing that might be supporting the conveyor. Set any unattached parts such as legs, hoppers, etc. off to the side. Check the conveyor for any damage that may have occurred during shipment. Lift the conveyor out of the crate or off the skid and bolt the legs in place, if legs are shipped unattached. Make sure all leg braces are installed as they help strengthen the legs. All legs should be installed as perpendicular to the floor as possible.

Once all legs, hoppers, etc. have been securely installed on the conveyor, check the conveyor for stability. The conveyor is now ready to be positioned in your desired location.

**(NOTE:** On longer conveyors, it is better and easier to assemble the conveyor at the location where the conveyor will be running. This will help in positioning the conveyor after it is assembled.)

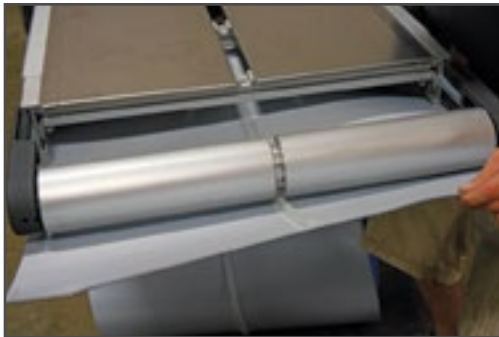
## Section III. Assembly & Installation Instructions

### Laced Belt Installation for Extruded Aluminum Conveyors

It is necessary to ship longer conveyors disassembled due to the length. In this case, the conveyor frames will need to be assembled and the belt will need to be installed and tracked. After the frames are assembled and the legs (if so equipped) are assembled on the conveyor, the belt is ready to be installed.



(Fig. A1)



(Fig. A2)



(Fig. A3)



(Fig. A4)

1. To install the belt, first remove the take-up slot adjustment cover to expose the take-up adjusting screws on both sides. Set the tail or idler pulley all the way into the frame. Do not change the factory setting of the drive pulley. (Fig. A1)
2. The belt is shipped rolled up and should be placed on a clean surface at the drive end of the conveyor. Remove the lacing pin from the belt lacing. Start feeding the belt through on the underneath side of the conveyor, making sure the topside of the belt is down. (Fig. A2)
3. For flat and cleated belt EA conveyors, make sure the belt is on top of the bottom belt return supports or rollers, and top of the slide tray. (Fig. A3 & A4)

### Section III. Assembly & Installation Instructions

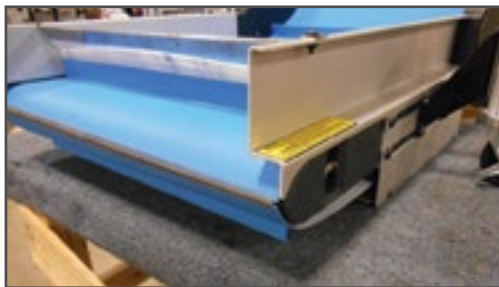
## Laced Belt Installation for Extruded Aluminum Conveyors



(Fig. A5)



(Fig. A6)



(Fig. A7)

4. For adjustable angle EA conveyors, make sure the belt is under the transition rollers on both the top and bottom of the conveyor. (Fig. A5 and Fig. A6)
5. Start at the tail pulley end and feed the belt along the slide bed making sure the belt is under the side rails. Wrap around the drive pulley and feed the belt back on top of the bottom slide trays.
6. When the leading end of the belt gets back to the tail pulley or idler pulley, the lacing pin is ready to be installed. (Fig. A7)

## Section III. Assembly &amp; Installation Instructions

**Laced Belt Installation for Extruded Aluminum Conveyors**

(Fig. A8)

7. Make sure the center V-guide is aligned. (Fig. A8)

8. Install the lacing pin. (Fig. A9)



(Fig. A9)

9. Bend the lacing pin at each end to keep it from working out. The bent portion of the pin should fit in the notched portion of the belt. (Fig. A10)



(Fig. A10)

## Section III. Assembly & Installation Instructions

### Continuous Belt Installation for Extruded Aluminum Conveyors

For the initial re-assembly or worn belt replacement, the conveyor must be set with the drive side down to allow belt removal and installation.



(Fig. B1)

1. Support conveyor and remove all leg sets, leg plates, and rails from the conveyor opposite the drive section. (Fig. B1)
2. Tighten the take-up bolts in the tail section of the conveyor moving the take-ups as far in as possible. (Fig. B2)
3. Remove / install belt over open side of the conveyor. (Fig. B3)



(Fig. B2)



(Fig. B3)

## Section III. Assembly &amp; Installation Instructions

**Continuous Belt Installation for Extruded Aluminum Conveyors**

(Fig. B4)

4. Insure that the center v-guide of the belt is seated into the groove on the drive and idler. (Fig. B4)
5. Reset belt tension as required. Refer to the belt setting method on page 13.
6. Re-install all rails, leg plates, and legs as required.

## Section III. Assembly & Installation Instructions

### Tensioning Belt for Extruded Aluminum Conveyors

#### **⚠ CAUTION**

Failure to connect the proper voltages to the equipment may result in personal injury and/or equipment damage! (Voltage information may be found on the conveyor Serial Plate).

#### **⚠ CAUTION**

If for any reason, the electrical work can not be completed and the machine must be left unattended, always leave the main disconnect service locked. NEVER bypass or route around safety limit switches. Failure to heed this warning may result in personal and/or equipment damage.

#### **⚠ CAUTION**

Turn off all electrical power to the circuit before making any electrical connections. Failure to follow this instruction may result in fatal injury! Unplug the conveyor, or turn off the main circuit.

**ON THE DRIVE END OF THE CONVEYOR NO ADJUSTMENT SHOULD BE MADE ON THE MOTOR / GEARBOX SIDE. ONLY SLIGHT ADJUSTMENTS SHOULD BE MADE TO THE OPPOSITE SIDE. ON SOME MODEL TYPES THE DRIVE END ADJUSTMENT ALSO EFFECTS THE INTERNAL DRIVE BELT TENSION.**



(Fig. C1)



(Fig. C2)

1. Proceed to step 6 if belt travel direction is already set.

Before turning the conveyor on, remove the end rail flapper (Fig. C1) or support it to prevent contact with the belt (Fig. C2). This will prevent damage if the conveyor does not run in the proper direction.

2. Now, quickly turn the switch on and then off, paying close attention to belt direction. If the conveyor is running in the proper direction, replace the end rail flapper.

## Section III. Assembly & Installation Instructions

### Tensioning Belt for Extruded Aluminum Conveyors



(Fig. C3)



(Fig. C4)

3. If, however, the conveyor runs in the opposite (wrong) direction, remove the motor box cover and follow steps 4 and 5 below for reversing the motor.
4. After power is connected to the conveyor, check the belt direction and/or direction of motor rotation. On single-phase conveyors, the direction of motor rotation is set at the factory. For three-phase motors, the direction of motor rotation is determined by the power source supply.
5. Once the motor is reversed and the conveyor has been checked for proper direction, replace the end flapper.
6. After the lacing pin is installed in the belt, make sure the belt is centered on pulleys. Start tensioning the belt at the take-up or tail end of the conveyor. (Fig. C3)
7. The EA conveyors are designed with a self tensioning system as well as a manual override. Adjust the take-up bolt out until the head of the bolt is in the middle of the window. (Fig. C4)



### Section III. Assembly & Installation Instructions

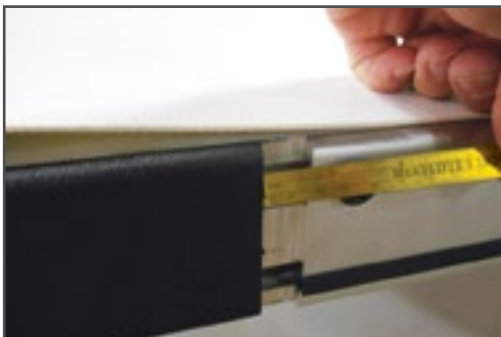
## Tensioning Belt for Extruded Aluminum Conveyors



(Fig. C5)



(Fig. C6)



(Fig. C7)

8. Operate the conveyor and check for belt slippage. If slippage occurs the manual setting will be required. This can be accomplished by adjusting the bolt further out until the head of the bolt contacts the opposite side of the window and starts to extend the take-up bracket. **USE CAUTION NOT TO OVERTIGHTEN THE BELT AS CONVEYOR DAMAGE WILL OCCUR.** (Fig. C5)
9. Adjust the belt to accommodate the designed weight capacity as found on page 17. Use the 'auto' setting initially, and if required override to the manual setting. A general guideline to follow is with the belt tension properly adjusted the motion of the belt can be stopped by pinching the belt at the tail pulley while the drive pulley should continue to rotate inside the belt. **NOTE: USE CAUTION WHEN GRASPING BELT AND PULLEY BY HAND.** (Fig. C6)
10. After the belt is adjusted to the proper tension, measure to make sure the pulley is square in the frame before start-up. This can be accomplished by measuring the distance between the machined surfaces on the frame end and take-up bracket. (Fig. C7)

## Section III. Assembly & Installation Instructions

### Belt Tracking

Proper belt tracking is very important to the life of the belt. Even conveyors with V-guide have to be monitored for proper belt tracking. If a belt is left to run improperly tracked, the belt can rub against the frame causing damage to the edges of the belt, or cleats can rub against the side rails causing them to break or tear loose from the belt. Also, the V-guide on the back of the belt can be worn or torn from the belt due to improper tracking.

#### CAUTION

Do not leave foreign articles laying on the conveyor. They could cause injury by distracting or hitting the operator. They could cause the equipment to malfunction by shorting an electrical circuit or jamming the equipment.

#### WARNING

NEVER over-tighten the belt. Too much tension will damage conveyor components.

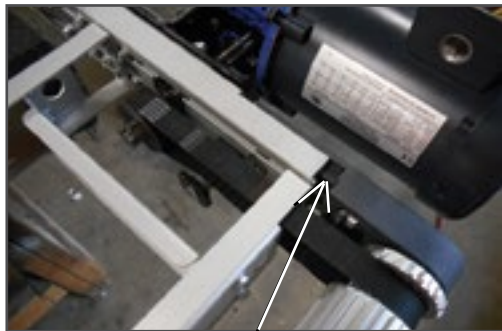


(Fig. D1)

1. Before turning the conveyor on, make sure it is cleared of anyone or anything that might be on the conveyor. Determine the adjustment points on your conveyor. Tracking on the drive end can be accomplished by either tightening or loosening the adjustment opposite the motor. (Fig. D1)

**This adjustment should be completed in moderation to avoid changes to internal drive belt.**

**NEVER use the motor side at the drive end for belt tracking. (Fig. D2)**



(Fig. D2) *Do Not Adjust.*

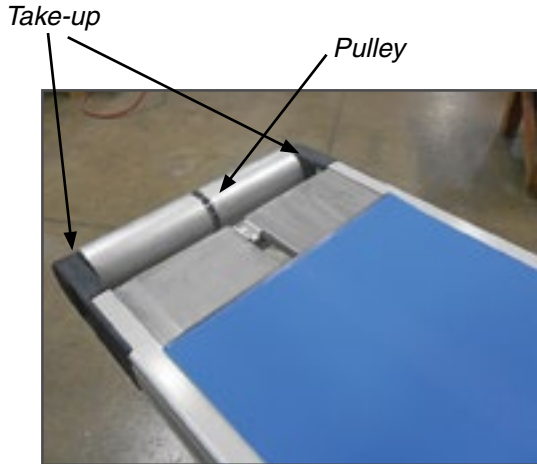
2. On the tail pulley end (pulley opposite drive end), the belt can be tracked from either side of the conveyor. Belt tension should determine if you track the belt by loosening or tightening the adjusting bolt at this end of the conveyor. Too much belt tension can damage conveyor components. If the belt is running off toward the motor on the drive end, loosen the adjusting bolt to let the belt track back over. If the belt is running toward the opposite side of the motor on the drive end, tighten the adjusting bolt to force the belt back over. (Fig. D3)



(Fig. D3)

Section III. Assembly & Installation Instructions

**Belt Tracking**



(Fig. D4)

3. ANY adjustment should be done GRADUALLY. If the belt is running off to one side at the tail end of the conveyor, you can either tighten the side that it is running toward to force the belt back over, or loosen the opposite side to let the belt track back over. Again, belt tension will determine which side to adjust. (Fig. D4)
4. The belt is properly tensioned when it will pull the load on the belt without slipping on the drive pulley.

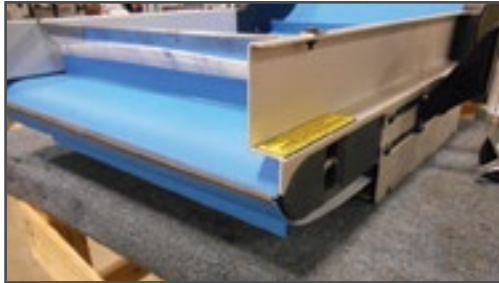
Weight limits are based on model type:

- EAF = 100lb max load
- EAC = 100lb max load
- EAR = 100lb max load
- EAK = 50lb max load
- EAZ = 50lb max load

<p><b>If Belt Tracks to the Left:</b></p> <p><i>Tighten the left side or Loosen the right side</i></p>	<p><i>Make adjustments to the tail end of the conveyor</i></p>
<p><b>If Belt Tracks to the Right:</b></p> <p><i>Tighten the right side or Loosen the left side</i></p>	

5. After any adjustments are made for tracking the belt, let the conveyor make 5 to 10 complete revolutions and check the belt again. Slight movement of the belt position is acceptable if there is no continued drift in one direction.
6. Belt tracking should be closely monitored for the first day of conveyor operation. Watch for any wear on the belt, such as lacing wearing from rubbing the side rails, or the V-guide trying to crawl up on the pulley. Also, check to make sure that the product you are conveying is compatible, such as; sticking to the belt, getting caught under the rails or between cleats and rails, or under the belt. Product getting caught in the conveyor will damage the belt and conveyor components.

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - Tail Pulley (laced belt)**

(Fig. E1)

1. Run conveyor until lacing is at tail pulley. (Fig. E1)

2. Tighten take-up bolts pulling take ups into the frame. (Fig. E2)

3. Remove lacing pin and allow belt to move away from pulley. (Fig. E3)



(Fig. E2)

4. Loosen the set screw in the end of each take-up. (Fig. E4)



(Fig. E3)



(Fig. E4)

### Section III. Assembly & Installation Instructions

## Pulley Removal and Installation - Tail Pulley (laced belt)



(Fig. E5)



(Fig. E6)



(Fig. E7)

5. Loosen the take up bolts until the take up can be slid from the main frame. (Use caution as the take-ups are loaded with spring pressure from the adjustment springs.) (Fig. E5 & E6)
6. Remove the bolts, washers, and springs from the take-ups. (Fig. E7)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - Tail Pulley (laced belt)**

(Fig. E8)

7. Slide take-ups off pulley shaft. (Fig. E8)
8. Remove pulley spacers. (Fig. E9)
9. Pulley, bearings, or shaft may be replaced at this time.
10. Re-install in reverse order. Use serviceable threadlock on take-up set screws during re-assembly.



(Fig. E9)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - Internal Motor Drive Pulley**

(Fig. F1)

1. Run conveyor until the lacing is at the drive pulley. (Fig. F1)

2. Tighten tail pulley take-up bolts to put slack in the conveyor belt. (Fig. F2)

3. Remove lacing pin and allow belt to move away from pulley and off the top slide trays. (Fig. F3)



(Fig. F2)

4. Remove the (2) screws and slide tray retainers. (Fig. F4)



(Fig. F3)



(Fig. F4)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - Internal Motor Drive Pulley**

(Fig. F5)

5. Remove slide tray over the motor exposing the internal drive belt. (Fig. F5)

6. Tighten the take-up bolts pulling the pulley in and putting slack in the internal drive belt. (Fig. F6)



(Fig. F6)

7. Slide internal drive belt off of 19 tooth drive pulley. (Fig. F7). If frame to pulley clearance prohibits belt removal you will need to remove the bolts at the motor end of the frame cross member and loosen bolts at the opposite end allowing the cross member to shift and provide clearance for belt removal.

8. Loosen the set screw in the end of each take-up. (Fig. F8)



(Fig. F7)



22 (Fig. F8)



## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - Internal Motor Drive Pulley**

(Fig. F9)



(Fig. F10)



(Fig. F11)

9. Loosen take-up bolts allowing the take-ups to slide off the frame. (Fig. F9)
10. Slide take-ups off the pulley shaft. (Fig. F10)
11. Remove pulley spacers. (Fig. F11)
12. Pulley, Bearings, drive belt, or shaft may be replaced at this time.
13. Re-install in reverse order. Use serviceable threadlock on take-up set screws during re-assembly. Set internal drive belt tension to  $\frac{1}{4}$ " deflection.

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Gearbox Drive Pulley**

(Fig. G1)

1. Run conveyor until the lacing is at the drive pulley. (Fig. G1)
2. Tighten tail pulley take-up bolts to put slack in the conveyor belt. (Fig. G2)
3. Remove lacing pin and allow belt to move away from pulley and off the top slide trays. (Fig. G3)
4. Remove the (2) screws and slide tray retainers. (Fig. G4)



(Fig. G2)



(Fig. G3)



(Fig. G4)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Gearbox Drive Pulley**

(Fig. G5)

5. Remove slide tray over the input shaft exposing the internal drive belt. (Fig. G5)

6. Tighten the take-up bolts pulling the pulley in and putting slack in the internal drive belt. (Fig. G6)

7. Slide internal drive belt off of 19 tooth drive sprocket. (Fig. G7)



(Fig. G6)



(Fig. G7)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Gearbox Drive Pulley**

(Fig. G8)



(Fig. G9)



(Fig. G10)



26 (Fig. G11)

8. Loosen the set screw in the end of each take-up. (Fig. G8)
9. Loosen take-up bolts allowing the take-ups to slide off the frame. (Fig. G9)
10. Slide take-ups off the pulley shaft. (Fig. G10)
11. Remove pulley spacers. (Fig. G11)
12. Pulley, Bearings, drive belt, or shaft may be replaced at this time.
13. Re-install in reverse order. Use serviceable threadlock on take-up set screws during re-assembly. Set internal drive belt tension to  $\frac{1}{4}$ " deflection.

## Section III. Assembly & Installation Instructions

### Pulley Removal and Installation - External Direct Drive Pulley



(Fig. H1)



(Fig. H2)



(Fig. H3)



(Fig. H4)

1. Run conveyor until lacing is at the drive pulley. (Fig. H1)
2. Tighten tail pulley take-ups to put slack in the conveyor belt. (Fig. H2)
3. Remove the lacing pin and allow belt to move away from pulley. (Fig. H3)
4. Loosen / remove bolt in the end of the pulley shaft. (Fig. H4)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Direct Drive Pulley**

(Fig. H5)



(Fig. H6)



(Fig. H7)



(Fig. H8)

5. Remove bolt from reaction rod and G/B lower bracket. Use caution as the gearbox / motor can swing down. (Fig. H5)
6. Remove gearbox / motor from the end of pulley drive shaft. Use caution not to lose drive key when removing G/B. (Fig. H6)
7. Loosen the take-ups allowing them to slide off the frame. (Fig. H7)
8. Slide take-ups off the pulley shaft. Bearings may be replaced at this time. (Fig. H8)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Direct Drive Pulley**

(Fig. H9)

9. Remove setscrews from pulley end cap (2 each side) (Fig. H9)

10. Slide shaft out of pulley. Use caution not to lose drive keys. (Fig. H10)



(Fig. H10)

11. Remove tapered screws from drive end cap / pulley. (4 each side) These parts are threadlocked at the factory and may require heat to dis-assemble. (Fig. H11)

12. Pulley, shaft, or end cap's may be replaced at this time. (Fig. H12)

13. Re-install in reverse order. Heavy duty threadlock (red) must be used on the (4) tapered screws in each end cap. Serviceable threadlock must be used on small set screws (2) in each end cap.



(Fig. H11)



(Fig. H12)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Chain Drive Pulley**

(Fig. J1)

1. Run conveyor until lacing is at the drive pulley. (Fig. J1)
2. Tighten tail pulley take-ups to put slack in the conveyor belt. (Fig. J2)
3. Remove the lacing pin and allow belt to move away from pulley. (Fig. J3)
4. Remove chain guard from side of machine. (Fig. J4)



(Fig. J2)



(Fig. J3)



(Fig. J4)



### Section III. Assembly & Installation Instructions

## Pulley Removal and Installation - External Chain Drive Pulley



(Fig. J5)



(Fig. J6)



(Fig. J7)



(Fig. J8)

5. Remove chain connector link and remove chain. (Fig. J5)
6. Loosen set screws and remove sprocket from shaft. (Fig. J6)
7. Loosen bolts and remove motor bracket from side of conveyor. (Fig. J7)
8. Loosen the take-ups allowing them to slide off the frame. (Fig. J8)

## Section III. Assembly &amp; Installation Instructions

**Pulley Removal and Installation - External Chain Drive Pulley**

(Fig. J9)

9. Slide take-ups off the pulley shaft. Bearings may be replaced at this time. (Fig. J9)

10. Remove setscrews from pulley end cap (2 each side). (Fig. J10)

11. Slide shaft out of pulley. Use caution not to lose drive keys. (Fig. J11)



(Fig. J10)

12. Remove tapered screws from drive end cap / pulley. (4 each side) These parts are threadlocked at the factory and may require heat to dis-assemble. (Fig. J12)

13. Pulley, shaft, or end cap's may be replaced at this time.

14. Re-install in reverse order. Heavy duty threadlock (red) must be used on the (4) tapered screws in each end cap. Serviceable threadlock must be used on small set screws (2) in each end cap. Serviceable threadlock must be used on the set screws retaining the drive sprockets.



(Fig. J11)



(Fig. J12)

## Section III. Assembly & Installation Instructions

### Extruded Aluminum Conveyor Angle Adjustment (EAF & EAC)



(Fig. K1)



(Fig. K2)



(Fig. K3)



(Fig. K4)

To achieve the many angles of incline on EAF and EAC Conveyors:

1. Loosen leg bracket stop on each side. (Fig. K1)
2. Loosen leg knee brace on each side. (Fig. K2 & K3)
3. Loosen (3) bolts in the leg bracket on each side. (Fig. K4)
4. Raise / lower conveyor to desired height.\*
5. Tighten leg bracket bolts.
6. Tighten leg knee brace.
7. Set stop against the bottom of the leg bracket and tighten bolt.

NOTE: Legs should be kept at a 90 degree vertical position for the best support.

\*All adjustments must be made while supporting conveyor with overhead hoist or equivalent. Failure to do so could cause damage to the conveyor or bodily harm.

## Section III. Assembly &amp; Installation Instructions

**Extruded Aluminum Conveyor Angle Adjustment (EAK, EAR, EAZ)**

(Fig. L1)

To achieve the many angles of incline on EAK, EAR, and EAZ Conveyors:

1. Loosen leg bracket stop on each side. (Fig. L1)
2. Loosen leg knee brace on each side. (Fig. L2 & L3)



(Fig. L2)



(Fig. L3)

## Section III. Assembly &amp; Installation Instructions

**Extruded Aluminum Conveyor Angle Adjustment (EAK, EAR, EAZ)**

(Fig. L4)



(Fig. L5)



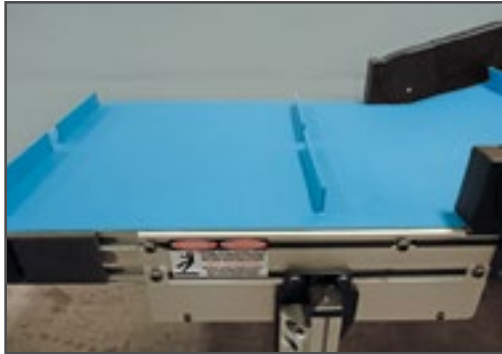
(Fig. L6)

3. Loosen (3) bolts in leg bracket on each side. (Fig. L4)
4. Loosen slot bolt in transition guards. (Fig. L5)
5. Loosen (3) bolts in transition angle brackets on each side. (Fig. L6)
6. Set desired angle and belt height.\*
7. Tighten bolts in transition angle brackets.
8. Tighten bolts in leg bracket.
9. Tighten leg knee brace.
10. Set stop against the bottom of the leg bracket and tighten bolt.

NOTE: Legs should be kept at a 90 degree vertical position for best support.

\*All adjustments must be made while supporting conveyor with overhead hoist or equivalent. Failure to do so could cause damage to the conveyor or bodily harm.

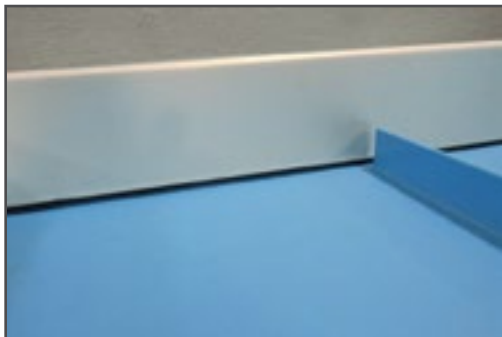
## Section III. Assembly &amp; Installation Instructions

**Rail Installation**

(Fig. M1)



(Fig. M2)

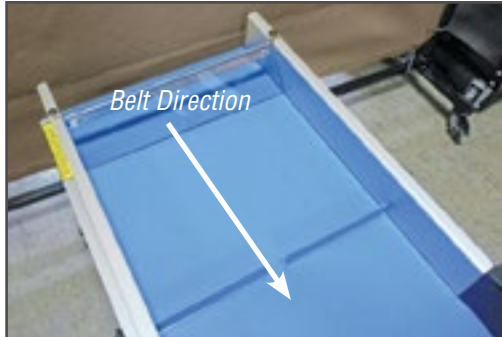


(Fig. M3)

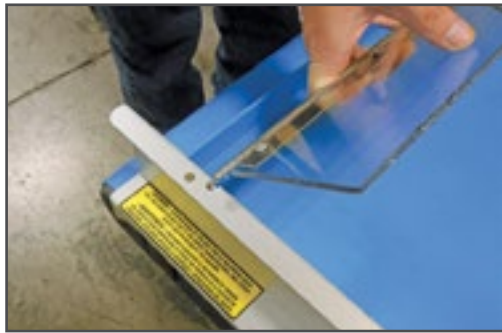
1. Most conveyors come with a set of side rails installed. If, for some reason, the side rails are shipped unattached, you will need to install them. Belt installation is made easier by installing the side rails AFTER the belt is installed. (Fig. M1)
2. Slide each rail section down over the 3/4" long fastener already in the top extrusion of the frame. (Fig. M2)
3. A gap of 1/16" to 1/8" should be set between the rail and belt. This gap may require adjustment based on the product being transported on the conveyor. (Fig. M3)
4. After side rails are bolted in place, the end flapper is ready to be installed.

## Section III. Assembly & Installation Instructions

### Rail Installation



(Fig. M4)



(Fig. M5)



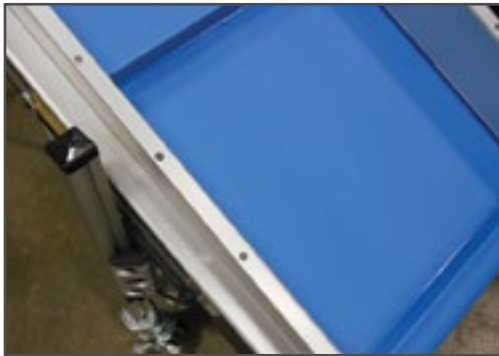
(Fig. M6)

5. When installing the end flapper, make sure it is installed at the infeed end of the conveyor. (Fig. M4)
6. The end flapper is equipped with a 1/4" rod extended out past the end of the flapper. Locate the 1/4" slots in the side rails at the infeed end of the conveyor and snap the end flapper into place. It may be necessary to spring the rails apart to snap the flapper into place. (Fig. M5)
7. Install retaining clips over the end flapper using 1/4" bolts and nuts supplied. (Fig. M6)
8. Some conveyors are able to run in either direction and require a slightly different flapper. These flappers are approximately 1/2" shorter in height which allows the friction of the belt to raise the flapper in the side rail slots and move the flapper the other direction. This dimension is set at the factory and should require no further adjustment.

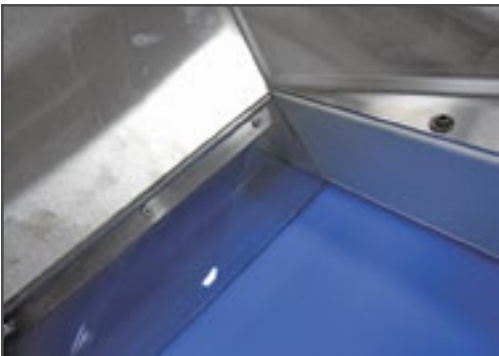
## Section III. Assembly &amp; Installation Instructions

**Hopper Installation**

(Fig. N1)



(Fig. N2)



(Fig. N3)

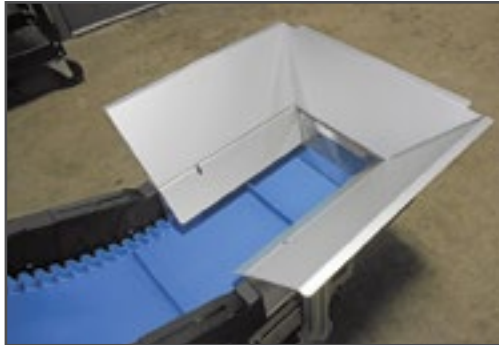
1. If the conveyor is equipped with a standard hopper and is shipped with hopper not installed, the hopper will need to be bolted on. (Fig. N1)
2. Mounting holes for the hopper are pre-drilled in the rails at the factory. Simply line the holes in the hopper up with holes in the rails and bolt them into place by using 1/4" bolts supplied. (Fig. N2)
3. If the rails are not pre-drilled and the hopper needs to be installed, line the back bottom edge of the hopper up with the 1/4" rod on the end flapper and mark holes on the rails. Remove the hopper and drill holes for 1/4" bolts. Install the hopper after all holes have been drilled.

**⚠ CAUTION**

NOTE: Back bottom edge of the hopper should line up with the 1/4" rod on the end flapper. (Fig. N3) This will keep the gap between the hopper and end flapper to a minimum.



## Section III. Assembly &amp; Installation Instructions

**Extension Rail Installation**

(Fig. O1)

1. To install the extension rails, the conveyor must have the standard rail package installed. The extension rail package will consist of two side rails and a single end rail and will bolt to the top lip of the standard rail. Extension rails are designed to provide a larger area for product and are installed on the infeed of the conveyor. (Fig. O1)

2. Mount the two side extensions with the bolts provided.(Fig. O2)



(Fig. O2)

3. Bolt the remaining end rail in place with the bolts that are provided. The end rail should align over the flapper holding it in place. (Fig. O3)



(Fig. O3)

## Section III. Assembly &amp; Installation Instructions

**Discharge Chute Installation**

(Fig. P1)

1. A standard discharge chute consists of a two piece mounting bracket on each side and a chute. The mounting brackets are mounted at the discharge end of the conveyor, one on each side.
2. A two piece bracket should be mounted on each side of the conveyor. (Fig. P1) The discharge chute will then be slid on over the lower brackets. (Fig. P2) The chute bracket bolts and two mounting bracket bolts can then be tightened to hold chute in desired location.



(Fig. P2)



## Section IV. Electrics

**! CAUTION**

Before working on any electrical circuits, panels, or motors, turn the equipment main disconnect device or Manual Starter "OFF", lock it when applicable, or remove power cord from receptacle.

**! CAUTION**

Failure to follow this instruction may result in death or serious personal shock injury!

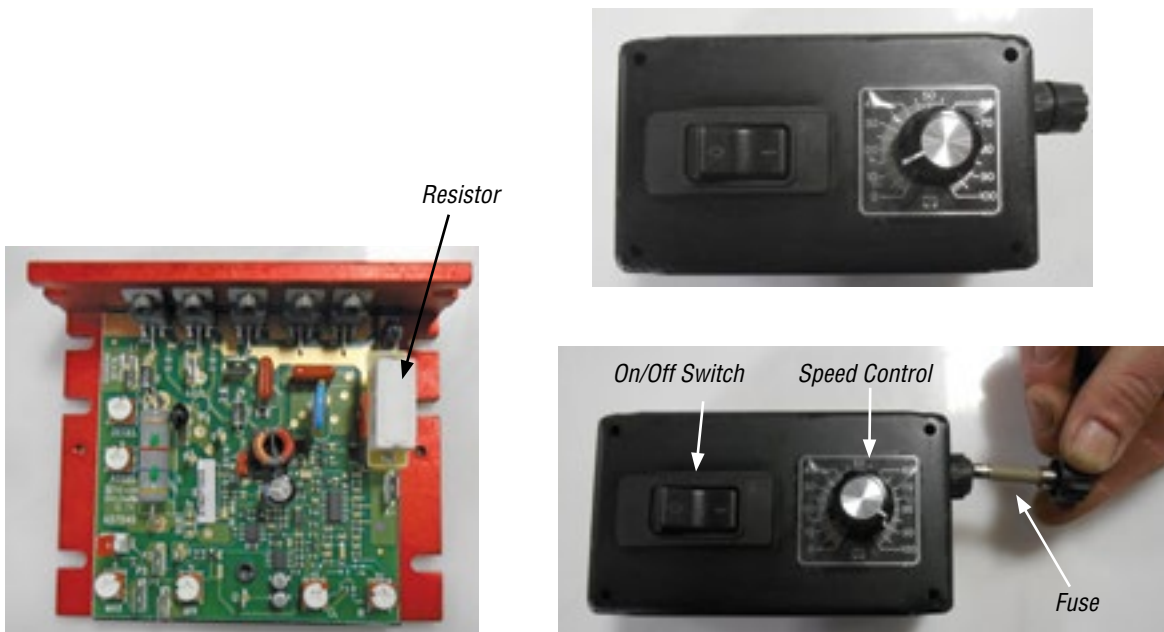


(Fig. Q1)

**! CAUTION**

Refer to the serial plate on the conveyor for suitable power sources. (Fig. Q1) Make sure the power switch is in the "off" position before connecting the power. For conveyors that require 110 volt single-phase, a power cord and three-prong plug are provided. For 220 volt single-phase, customer must supply a plug. On all three-phase applications, customer must supply cord and plug, or hard-wire into the power switch. Check to make sure all power connections meet National and Local electrical codes.

## Early Style - External Mounted Control with Internal Board



Section IV. Electrics

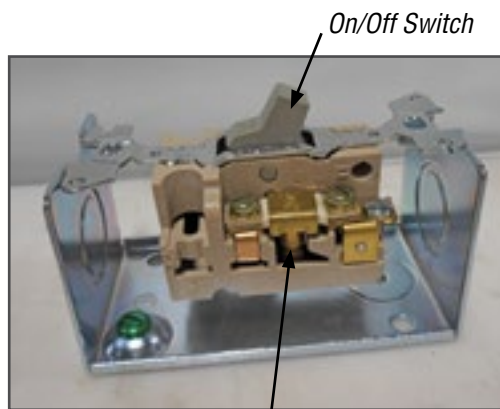
Later Style - External Mounted Control with External Board



Speed Control On/Off Switch



Fuse Resistor




On/Off Switch Heater


## Section V. Preventative Maintenance

### Conveyor Belt Wear and Cleaning

#### **IMPORTANT: Preventative Maintenance Performed Regularly Will Ensure Continued Operation of Your Conveyor**

 **CAUTION** When working on any component, always be sure it is safely positioned; for example, on a sturdy workbench. NEVER work on a component while it is hanging from a crane or other lifting mechanism. Fatal injury may occur if the previously mentioned instructions are not completely followed.

Observe the condition of the belt, look for excessive wear on the top and sides of the belt. Make sure there are no parts (particularly non-moving parts) that are causing the belt to wear. Check the condition of the lacing and remove any broken staples. Excessive staple breaks often indicate too much belt tension. Use caution when removing broken staples, as they may be sharp.

 **CAUTION** To clean belt surfaces, use a mild cleaning solution. We recommend our BC-16 Belt Cleaner.

NOTE: Before applying any solution to the belt, check to be sure that it does not affect the material of the belt by trying it on a small area first.

The running conditions of the conveyor will determine how often you should remove the belt to clean the slide beds, and the back of the belt. If oil, water, or other foreign matter gets between the belt and the slide bed, it should be cleaned off immediately. Any kind of liquid under the belt will create suction and will cause more stress to be put on the drive components, such as the motor and reducer. This will diminish the life of the components.

While cleaning and inspecting the belt, it is also a good time to check for cleat damage, (if equipped with cleats).

## Section V. Preventative Maintenance

### Conveyor Belt Wear and Cleaning



(Fig. R1)

If the belt has been removed for cleaning, (Fig. R1), inspect the V-guide for excessive wear, and to insure that it is not coming loose from the belt. If the V-guide is showing excessive wear, it is a good indication that the belt is not tracked properly. If the V-guide is coming off the belt, (Fig. R2), a new belt is recommended. If cleats are breaking or tearing loose, check to make sure they are not rubbing on the side rails or catching on any part of the conveyor.



(Fig. R2)

If cleats are rubbing on the side rails, there are three different ways to remedy the problem.

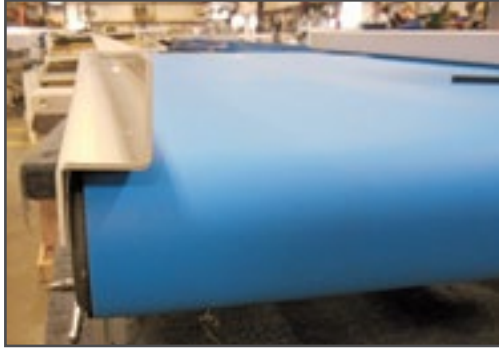
- Make sure the belt is properly tracked.
- If belt is properly tracked and cleats are still rubbing the side rails, the rails can be adjusted out away from the cleats.
- When belts are replaced in the field on a EA Model conveyor, the cleats may have to be trimmed back if factory settings for the rails have been changed. (Fig. R3)



(Fig. R3)

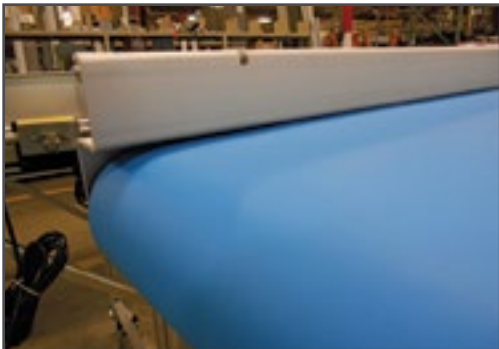
## Section V. Preventative Maintenance

### Conveyor Belt



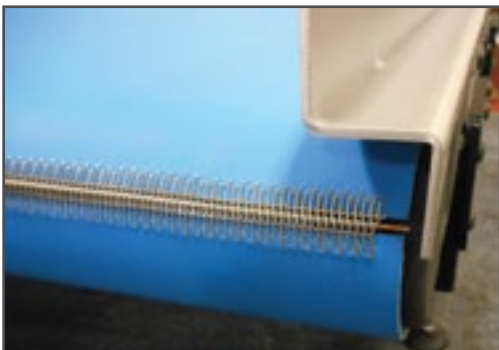
(Fig. S1)

1. Maintain space between the bottom of the side rails and the top of the belt. If the side rails get bent down onto the belt, they will cause undue stress on the drive components. (Fig. S1)
2. Be sure the belt slides under the side rails freely (Fig. S2). Rails can get bent down onto the belt from people stepping on them, or sitting something heavy on them. If a side rail should happen to get bent down against the belt, you should be able to bend the rail back up off of the belt.



(Fig. S2)

3. Check the outside portion of the lacing on both edges of the belt for wear. If the side rail is bent down, the lacing will start to show wear. (Fig. S3)



(Fig. S3)



## Section V. Preventative Maintenance

### External Drive Motor

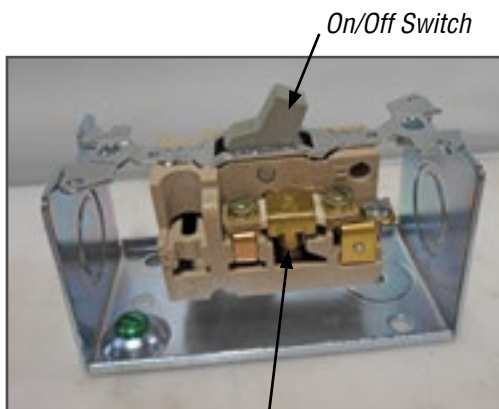


#### CAUTION

When the equipment is installed, be sure that the motors rotate in the proper indicated direction. Failure to follow this caution could result in personal injury or equipment damage.



(Fig. T1)



(Fig. T2)

Heater

1. The standard motor is TEFC (Totally Enclosed Fan Cooled). The TEFC motor must have all dust and dirt blown out of the fan periodically to prevent poor air circulation. (Fig. T1)
2. Good air circulation around all motors is required to prevent overheating. The motor uses Class B insulation. Temperature will not affect the life of the motor as long as the electrical current to the motor does not exceed the nameplate rating. This is a standard industrial-use motor. The motor is protected with a current-sensitive heater in the motor starter that shuts the conveyor off if the motor becomes too hot. If the heater in the switch should trip, push the switch to the "off" position to reset, and turn the switch back on. This only pertains to an FG-5 or FG-6 switch. (Fig. T2)

## Section V. Preventative Maintenance

### Motor Installation for Flanged Models

#### CAUTION

If motor does not readily seat itself, check to determine if key has moved axially along motor shaft, causing interference. Staking of the keyway adjacent to the motor key will facilitate this procedure.



(Fig. U1)

1. Assemble the key to the motor shaft and coat the shaft with anti-seize compound. Insert the motor shaft into the reducer input shaft. (Fig. U1)
2. Rotate the motor to proper position and firmly secure to flange with four hex-head cap screws. (Fig. U2)



(Fig. U2)

## Section V. Preventative Maintenance

### Internal Drive Motor Replacement



(Fig. V1)

1. Run conveyor until the lacing is at the drive pulley. (Fig. V1)

2. Tighten tail pulley take-up bolts to put slack in the conveyor belt. (Fig. V2)

3. Remove lacing pin and allow belt to move away from pulley and off the top slide trays. (Fig. V3)

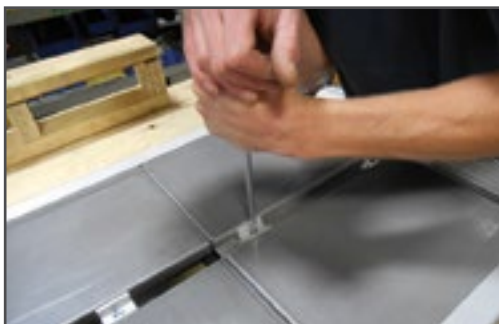


(Fig. V2)

4. Remove the (2) screws and slide tray retainers. (Fig. V4)



(Fig. V3)



(Fig. V4)

## Section V. Preventative Maintenance

### Internal Drive Motor Replacement



(Fig. V5)



(Fig. V6)



(Fig. V7)



(Fig. V8)



(Fig. V9)

5. Remove slide tray over the motor exposing the internal drive belt. (Fig. V5)
6. Disconnect (2) electrical connectors. (Fig. V6)
7. Remove bolts at motor end of frame cross member and loosen bolts at opposite end allowing cross member to shift providing clearance for motor removal. (Fig. V7)
8. Remove (4) screws holding motor to gearbox. (Fig. V8)
9. Motor will slide out of gearbox at this time. (Fig. V9)
10. Re-install in reverse order. Confirm internal drive belt tension to  $\frac{1}{4}$ " deflection.



## Section VI. Troubleshooting

**PROBLEM: Drive pulley turning, but belt is not**

## SOLUTION:

- Part caught in belt - (remove parts)
- Lagging on pulley, if equipped, worn out – (replace lagging)
- Belt too loose – (tighten belt)
- Side rails bent down on belt – (straighten side rails)
- Cleats, if equipped, rubbing on side rails – (adjust side rails out)
- Water or oil between belt and slide bed creating a suction - (clean slide bed and back of belt)

**PROBLEM: Motor running but drive pulley not turning**

## SOLUTION:

- Key in shaft of motor missing – (replace key)
- Internal gears in reducer broken – (rebuild or replace reducer)
- Shaft on drive pulley broken – (replace drive pulley)

**PROBLEM: Idler roller not turning when belt is running**

## SOLUTION: (Bushing Style)

- Dirt in idler roller – (remove shaft, clean and lubricate)
- Idler roller or shaft bent – (replace shaft or roller)
- Bushings in idler roller bad - (replace bushings)

## SOLUTION: (Ball Bearing Style)

- Bearing worn out (replace idler roller)
- Idler roller bent – (replace idler roller)

## Section VI. Troubleshooting

**PROBLEM: Motor won't run**

## SOLUTION:

- Switch off – (turn switch on)
- Thermal overload tripped – (reset and turn on)
- Supply power disconnected – (reconnect power)
- Bad motor – (replace motor)
- Bad wiring – (check wires and connections)

**PROBLEM: Conveyor runs for awhile and then stops  
(Thermal Protection tripping due to overload)**

## SOLUTION:

- Heater in switch too small for motor – (check heater and replace if the wrong size)
- Motor pulling too much current – (remove overload, such as excessive belt drag or tension. Remove anything that might be caught in the belt)
- Motor going bad – (replace motor)

**PROBLEM: Conveyor belt running off to the side**

## SOLUTION:

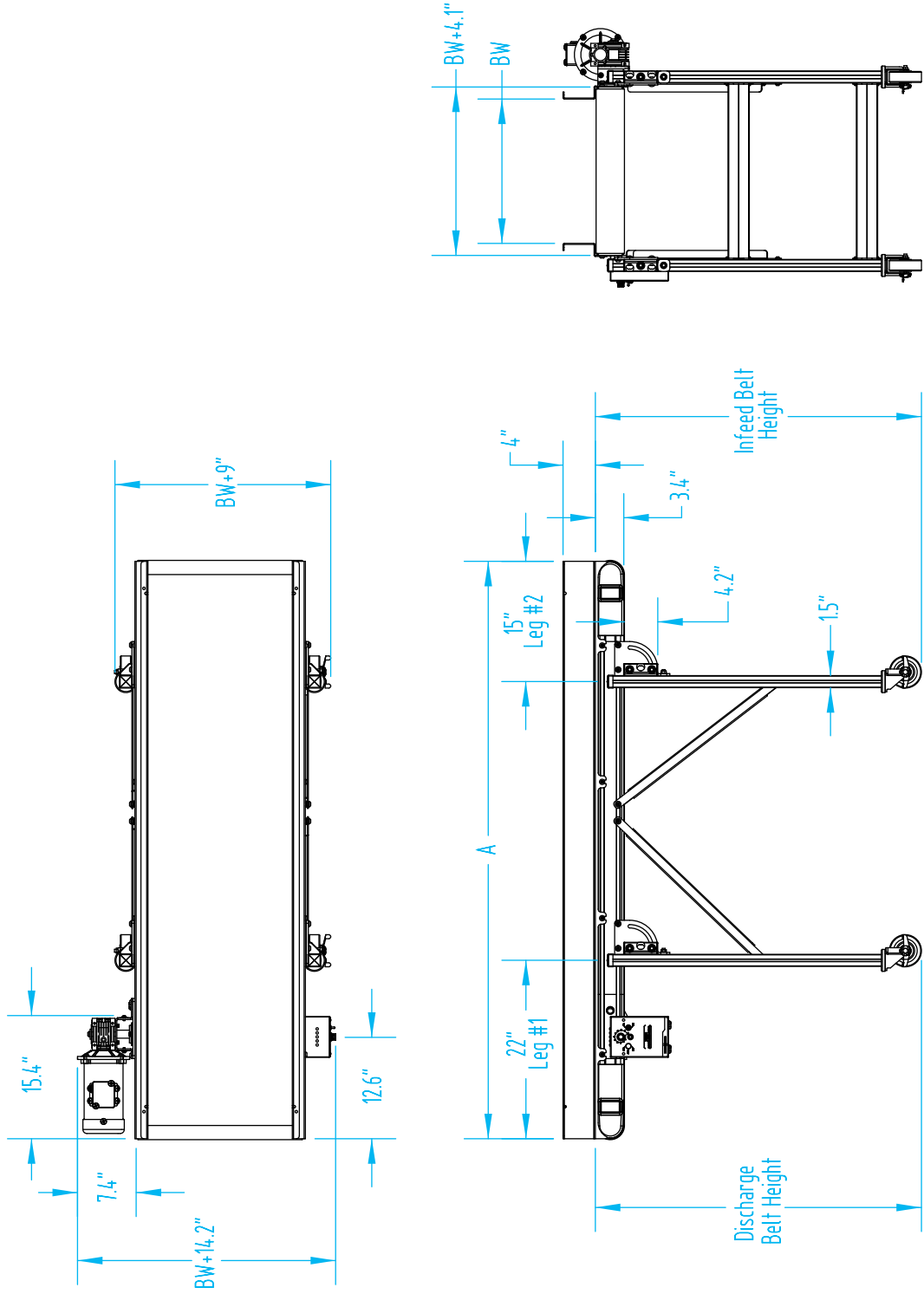
- Belt needs tracked – (re-track belt). See 'Belt Tracking' on page 16.
- V-guide, if equipped, wearing or coming off – (replace belt)
- Not enough belt tension – (increase tension slightly and re-track belt) See 'Belt Tensioning' on page 13

**EAF Conveyor - Assembled View**

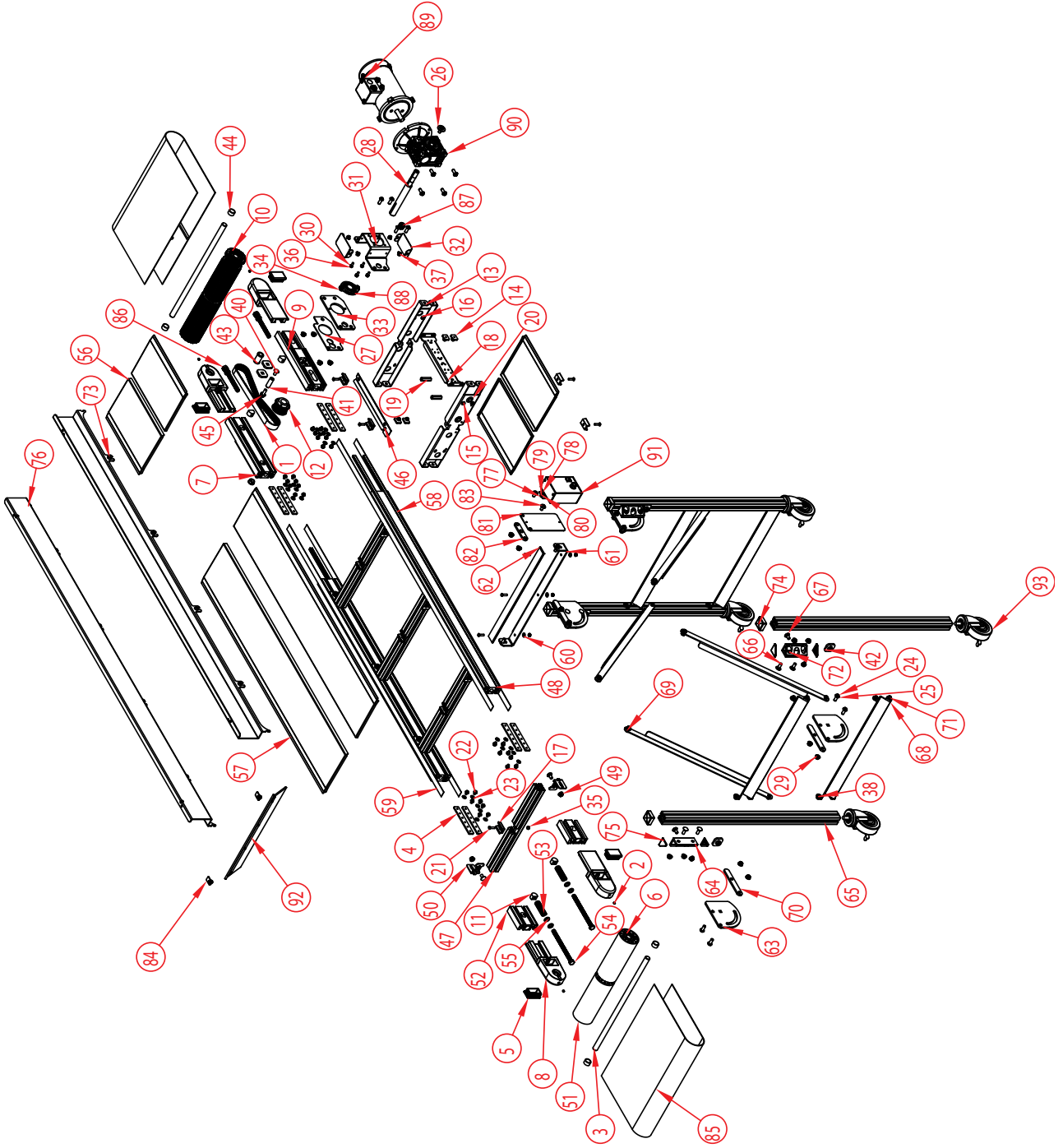




### EAF Conveyor - Dimensional Drawing



### EAF Conveyor - Exploded View

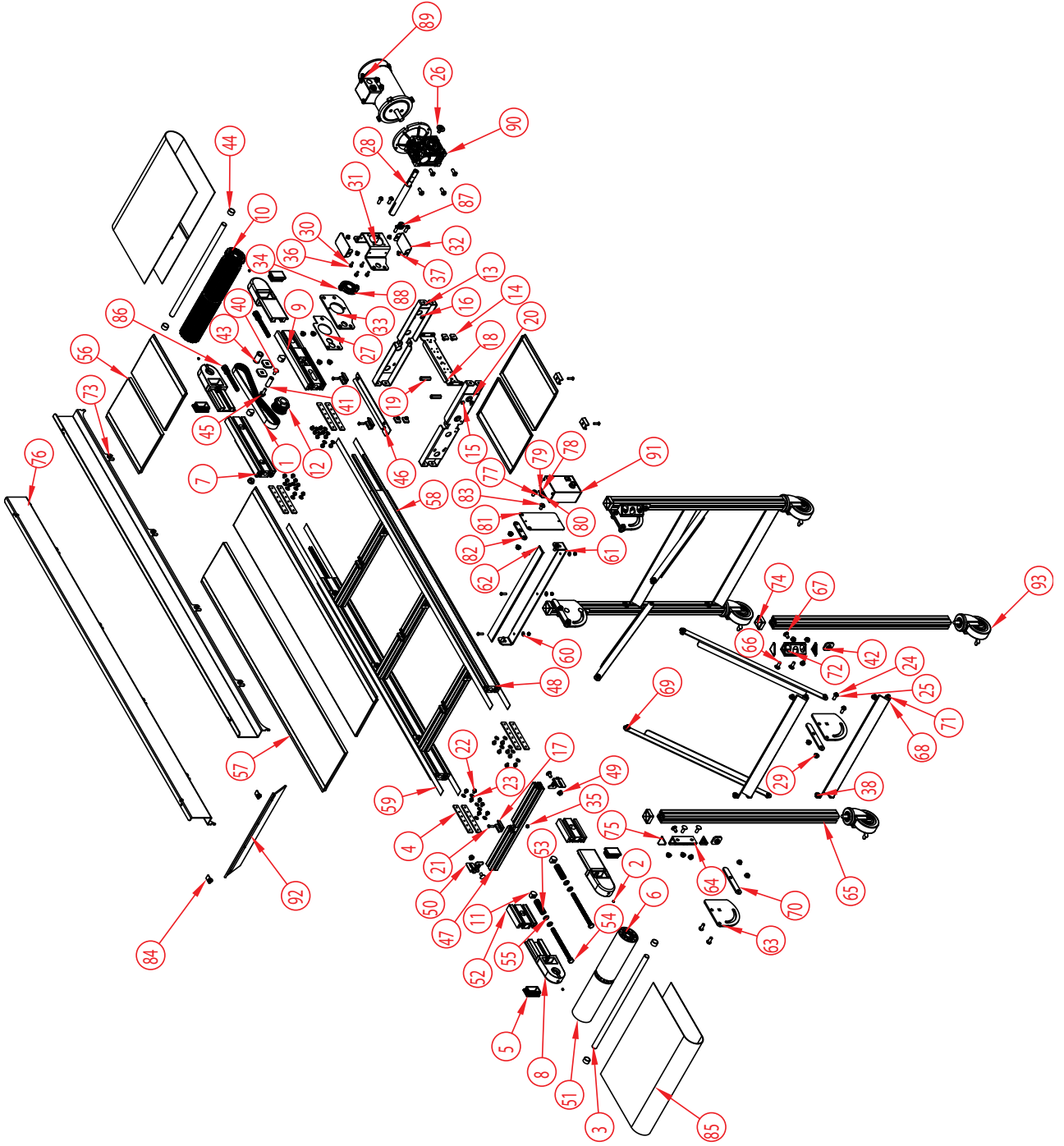


Section VIII. Parts Lists and 3-D Drawings

**EAF Conveyor - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	25	CP-3345	LOCK WASHER .375 SPLIT RING
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	26	CP-3393	3/8" FLAT WASHER
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER
4	2X-27-4	FRAME CONNECTION PLATE	28	2X-21-7	SINGLE OUTPUT SHAFT FOR EA CONVEYOR
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
6	CP-4592	20MM BALL BEARING SELF ALIGNING	30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	32	2X-14-7-3	COVER FOR MOUNTING BRACKET
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	33	2X-14-7-2	MOUNTING BRACKET FOR BEARING
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	36	CP-7337	HEX HEAD SCREW M6 x 16
13	2X-41-2-W (CF)	FRAME BASE FOR DRIVE HEAD	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
14	2X-27-5-100	INSIDE FRAME NUT	38	CP-3343	LOCK WASHER .250 SPLIT RING
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.5" ZINC PLATED	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
16	CP-3068	HEX FLANGE NUT 0.25-20	40	CP-457	CARRIAGE BOLT .375-16 x .750
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
18	2X-29-1	INSIDE CONTROL SUPPORT	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	43	2X-15-1	DELTRIN IDLER ROLLER
20	CP-2376	RUBBER GROMMET	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1" ZINC PLATED
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED	46	2X-45-11	SLIDE BED WATER GUARD
23	CP-654	FLAT WASHER .250 SAE	47	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW	48	2X-44-1-L (CF)	FRAME SIDE FOR EA CONVEYOR

### EAF Conveyor - Exploded View - Continued



Section VIII. Parts Lists and 3-D Drawings

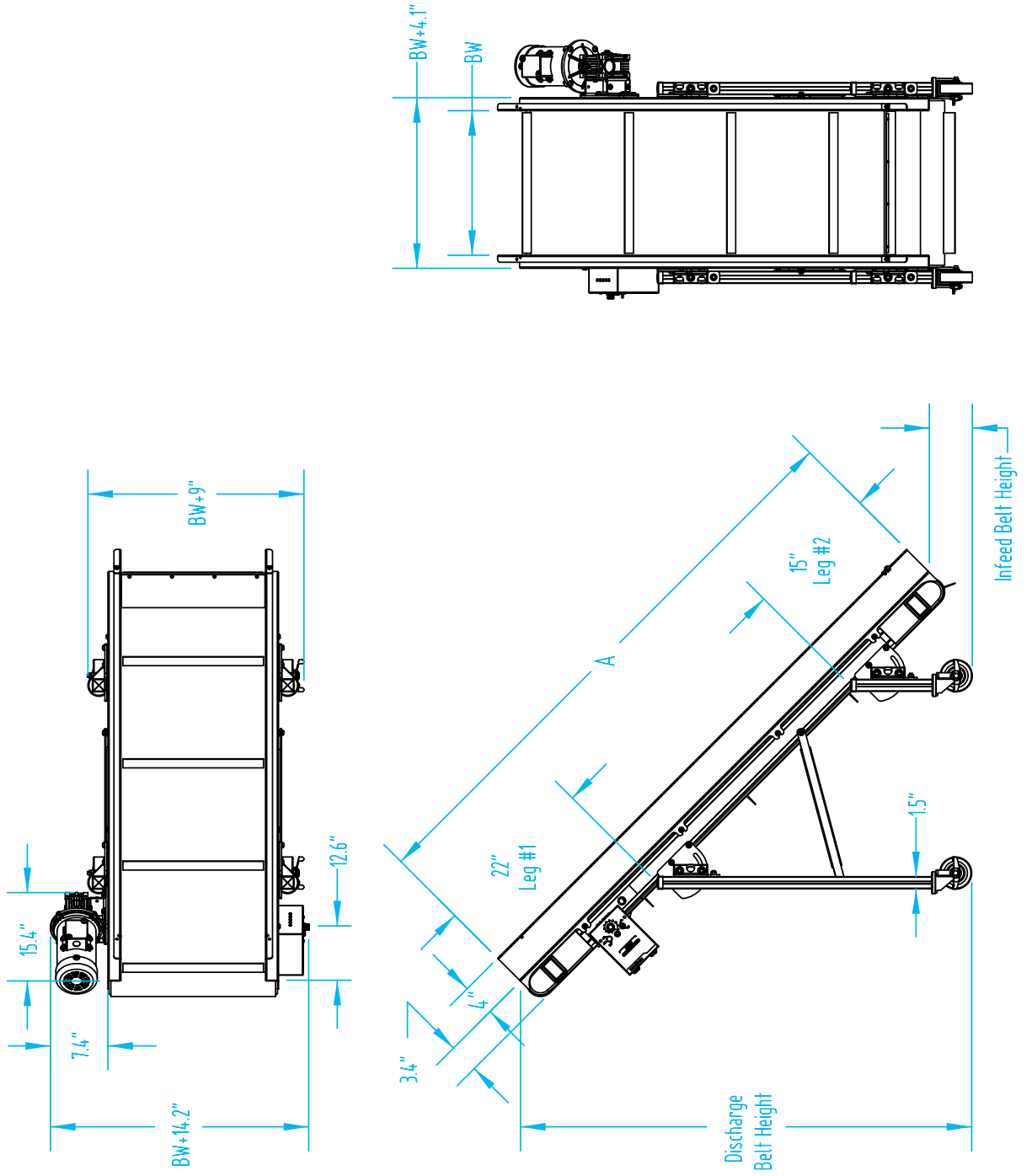
**EAF Conveyor - Parts List - Continued**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
49	14	SERRATED FLANGE NUT 0.375-16 ZINC PLATED	72	CP-3342	FLAT WASHER .375
50	8	GUSSET FOR FRAME CROSS BRACE	73	CP-4533	3/8-16 X 3/4" BLACK OXIDE TORX BUTTON CAP SCREW
51	1	2X-24-1-W (CF)	74	CP-4537	1.5" SQUARE DIP MOLDED END CAP BLACK
52	2	2X-35-1-413	75	2X-39-1	CAP FOR 1.5" GUSSET PROFILE
53	2	CP-7234	76	2X-33-1-1-L (CF)	4"-90 DEGREE ALUMINUM RAIL FOR EAF
54	2	CP-4509	77	CP-271	SLOTTED ROUND HEAD SCREW #10-32 x .500 PAN
55	4	2X-42-1-S	78	CP-516	HEX NYLON LOCKING NUT # 10-32
56	4	2X-45-1-W-1300 (CF)	79	CP-656	FLAT WASHER .187
57	2	2X-45-1-W-L (CF)	80	CP-710	#10 SPLIT LOCK WASHER
58	4	2X-67-1-L (CF)	81	2X-27-36-1	SST MOUNTING PLATE
59	4	2X-67-2-L (CF)	82	2X-27-36-2	SST SPACER PLATE
60	3	CP-3340	83	CP-3293	HEX SOCKET BUTTON HEAD SCREW .375-16 x .750
61	1	2X-29-11-W (CF)	84	2E-01-10	FLAPPER CLIP
62	1	3E-31-398-L (CF)	85	BELT	BELT
63	4	2X-14-6-1	86	2X-232-1	WELDMENT FOR TAKE-UP BOLT
64	4	2X-14-5-3	87	EL-7245	CORD GRIP
65	4	2X-36-1-L (CF)	88	CP-674	MANKO BEARING
66	8	CP-4532	89	EL-128B	MOTOR
67	8	CP-4540	90	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
68	4	2X-41-3-W (CF)	91	EL-2566	KBWM 120 CONTROLLER
69	4	2X-41-4-L (CF)	92	2S-249-7-W (CF)	4" LEXAN FLAPPER
70	4	2X-14-6-2	93	CP-1239	SWIVEL CASTER, 4" 1 3/8"
71	22	CP-3297			

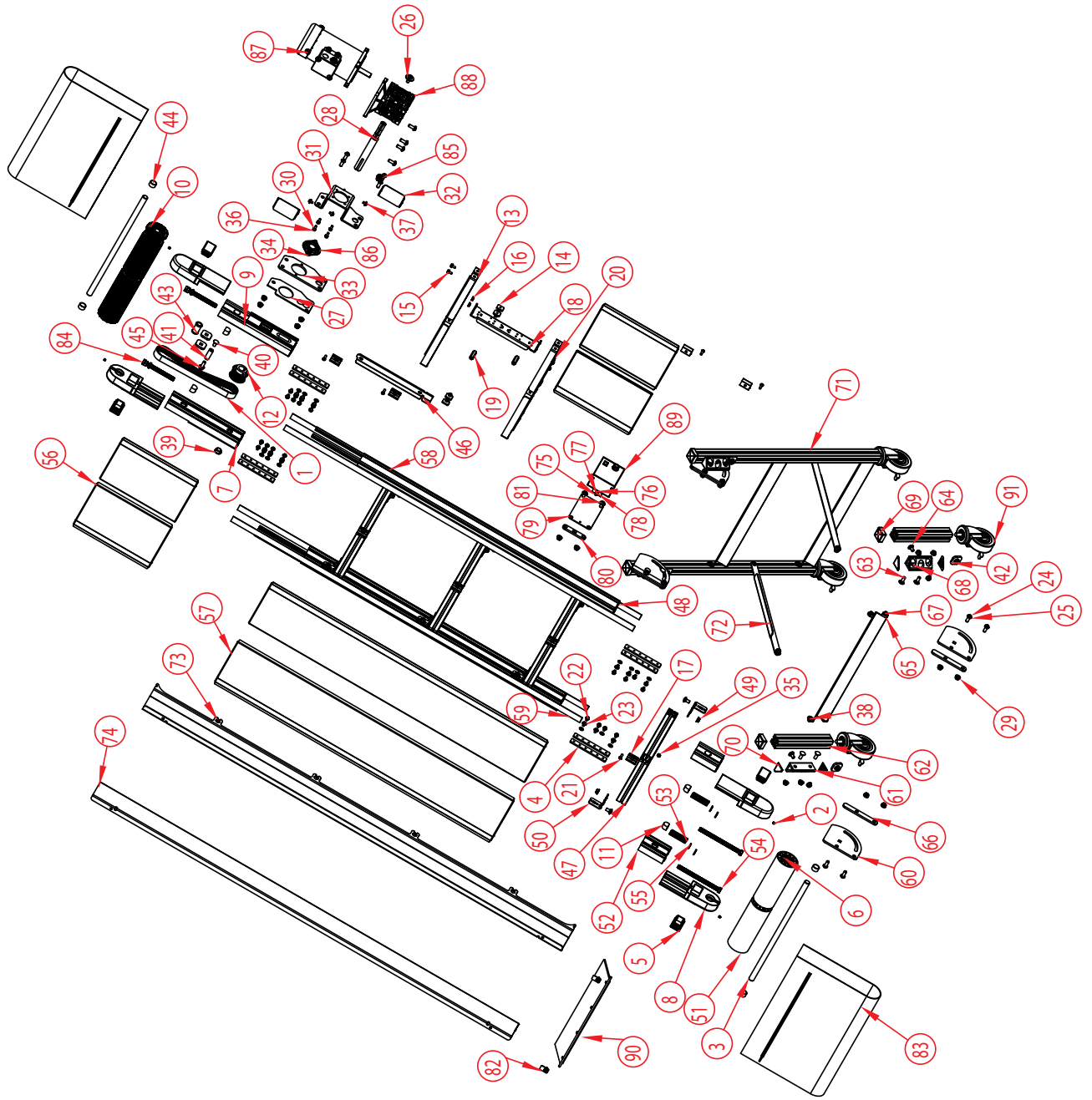
**EAC Conveyor - Assembled View**



### EAC Conveyor - Dimensional Drawing



### EAC Conveyor - Exploded View



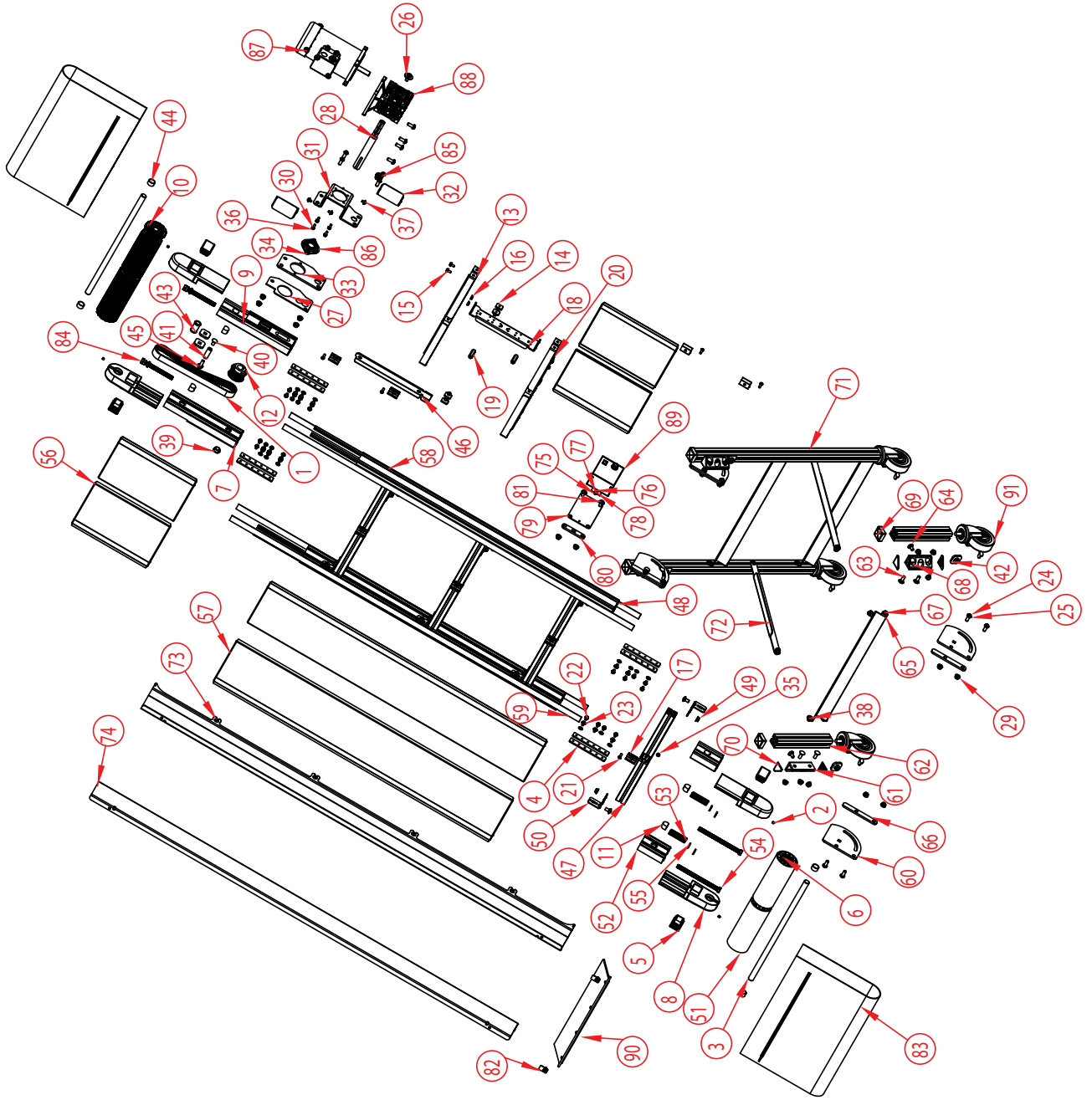


Section VIII. Parts Lists and 3-D Drawings

**EAC Conveyor - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	25	CP-3345	LOCK WASHER .375 SPLIT RING
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	26	CP-3393	3/8" FLAT WASHER
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER
4	2X-27-4	FRAME CONNECTION PLATE	28	2X-21-7	SINGLE OUTPUT SHAFT FOR EA CONVEYOR
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
6	CP-4592	20MM BALL BEARING SELF ALIGNING	30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	32	2X-14-7-3	COVER FOR MOUNTING BRACKET
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	33	2X-14-7-2	MOUNTING BRACKET FOR BEARING
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	36	CP-7337	HEX HEAD SCREW M6 x 16
13	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
14	2X-27-5-100	INSIDE FRAME NUT	38	CP-3343	LOCK WASHER .250 SPLIT RING
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.500" ZINC PLATED	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
16	CP-3068	HEX FLANGE NUT 0.25-20	40	CP-457	CARRIAGE BOLT .375-16 x .750
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
18	2X-29-1	INSIDE CONTROL SUPPORT	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	43	2X-15-1	DELTRIN IDLER ROLLER
20	CP-2376	RUBBER GROMMET	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1.000" ZINC PLATED
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED	46	2X-45-11	SLIDE BED WATER GUARD
23	CP-654	FLAT WASHER .250 SAE	47	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW			

### EAC Conveyor - Exploded View - Continued



Section VIII. Parts Lists and 3-D Drawings

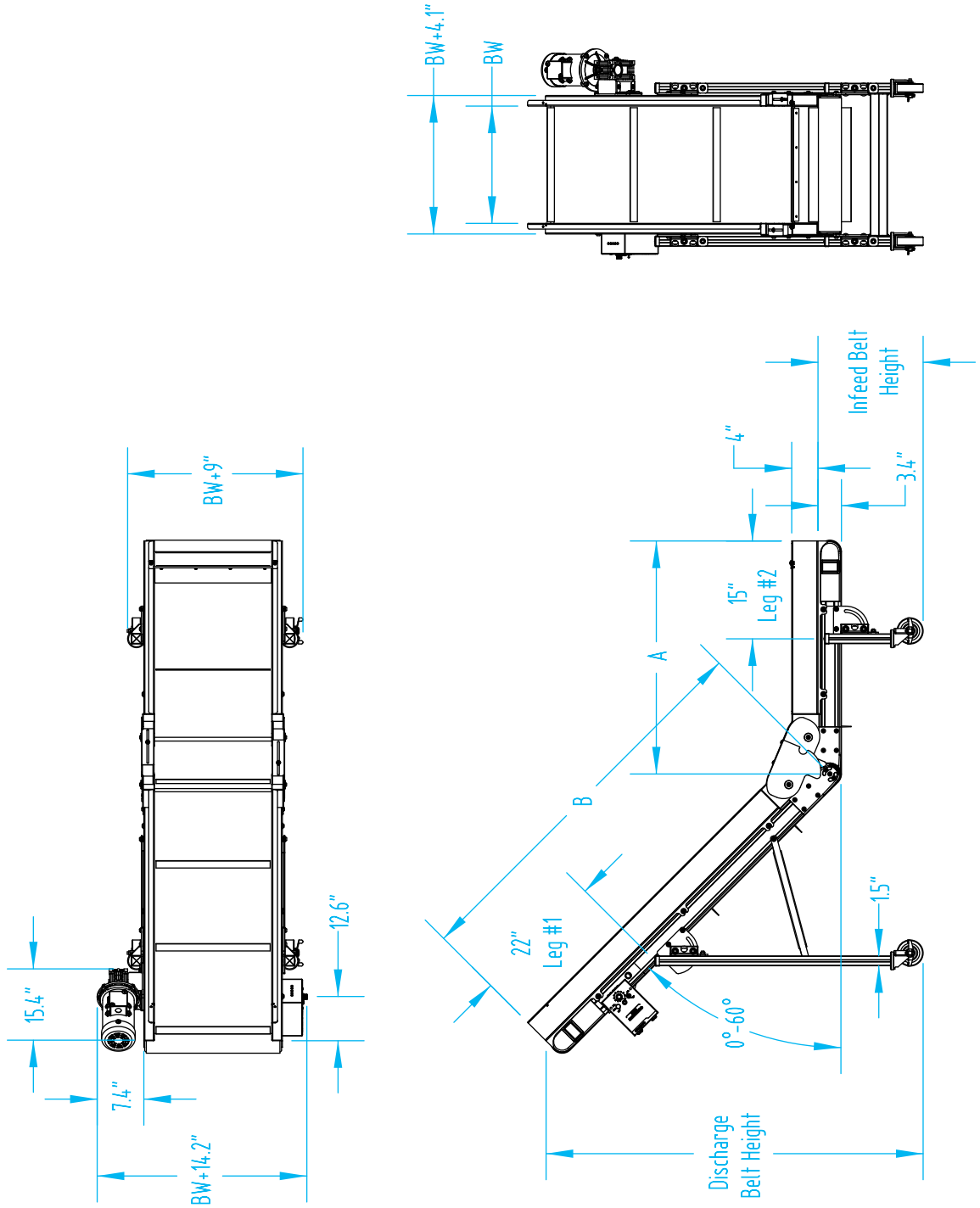
**EAC Conveyor - Parts List - Continued**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
48	2	2X-44-1-L (CF)	70	2X-39-1	CAP FOR 1.5" GUSSET PROFILE
49	14	CP-2869	71	2X-36-1-L (CF)	LEG FOR EA CONVEYOR
50	8	2X-09-1	72	2X-41-4-L (CF)	KNEE BRACE FOR LEGS
51	1	2X-24-1-W (CF)	73	CP-4533	3/8-16 X 3/4" BLACK OXIDE TORX BUTTON CAP SCREW
52	2	2X-35-1-413	74	2X-33-1-1-L (CF)	4"-90 DEGREE ALUMINUM RAIL FOR EA CONVEYOR
53	2	CP-7234	75	CP-271	SLOTTED ROUND HEAD SCREW #10-32 x .500 PAN
54	2	CP-4509	76	CP-516	HEX NYLON LOCKING NUT # 10-32
55	4	2X-42-1-S	77	CP-656	FLAT WASHER .187
56	4	2X-45-1-W-1300 (CF)	78	CP-710	#10 SPLIT LOCK WASHER
57	2	2X-45-1-W-L (CF)	79	2X-27-36-1	SST MOUNTING PLATE
58	4	2X-67-1-L (CF)	80	2X-27-36-2	SST SPACER PLATE
59	4	2X-67-2-L (CF)	81	CP-3293	HEX SOCKET BUTTON HEAD SCREW .375-16 x .750
60	4	2X-14-6-1	82	2E-01-10	FLAPPER CLIP
61	4	2X-14-5-3	83	CLEATED BELT	CLEATED BELT
62	2	2X-36-1-L (CF)	84	2X-232-1	WELDMENT FOR TAKE-UP BOLT
63	8	CP-4532	85	EL-7245	CORD GRIP
64	8	CP-4540	86	CP-674	MANKO BEARING
65	3	2X-41-3-W (CF)	87	EL-128B	MOTOR
66	4	2X-14-6-2	88	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
67	16	CP-3297	89	EL-2566	KBWM 120 CONTROLLER
68	6	CP-3342	90	2S-249-7-W (CF)	4" LEXAN FLAPPER
69	4	CP-4537	91	CP-1239	SWIVEL CASTER, 4" 1 3/8"

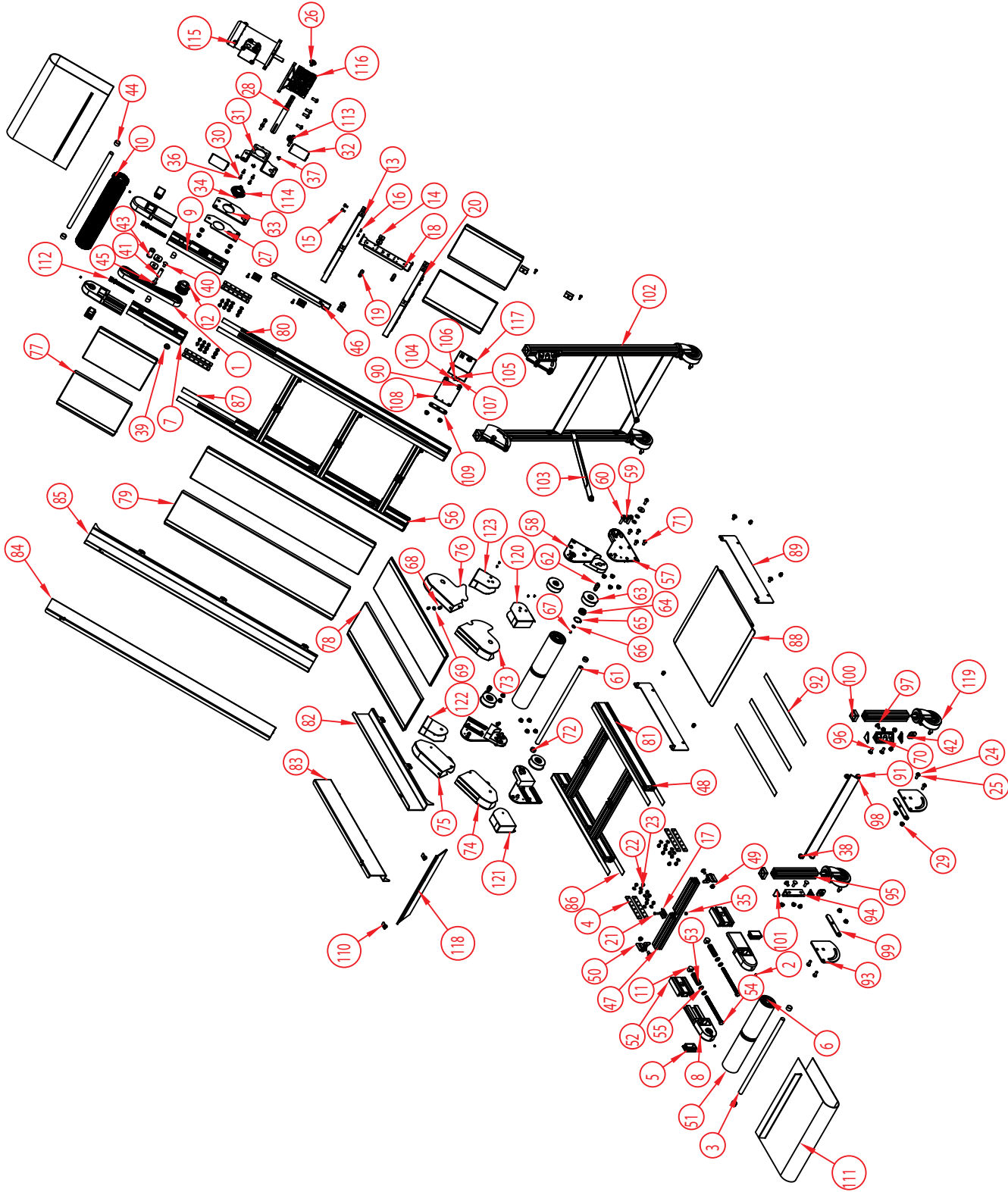
**EAK Conveyor - Assembled View**



**EAK Conveyor - Dimensional Drawing**



### EAK Conveyor - Exploded View

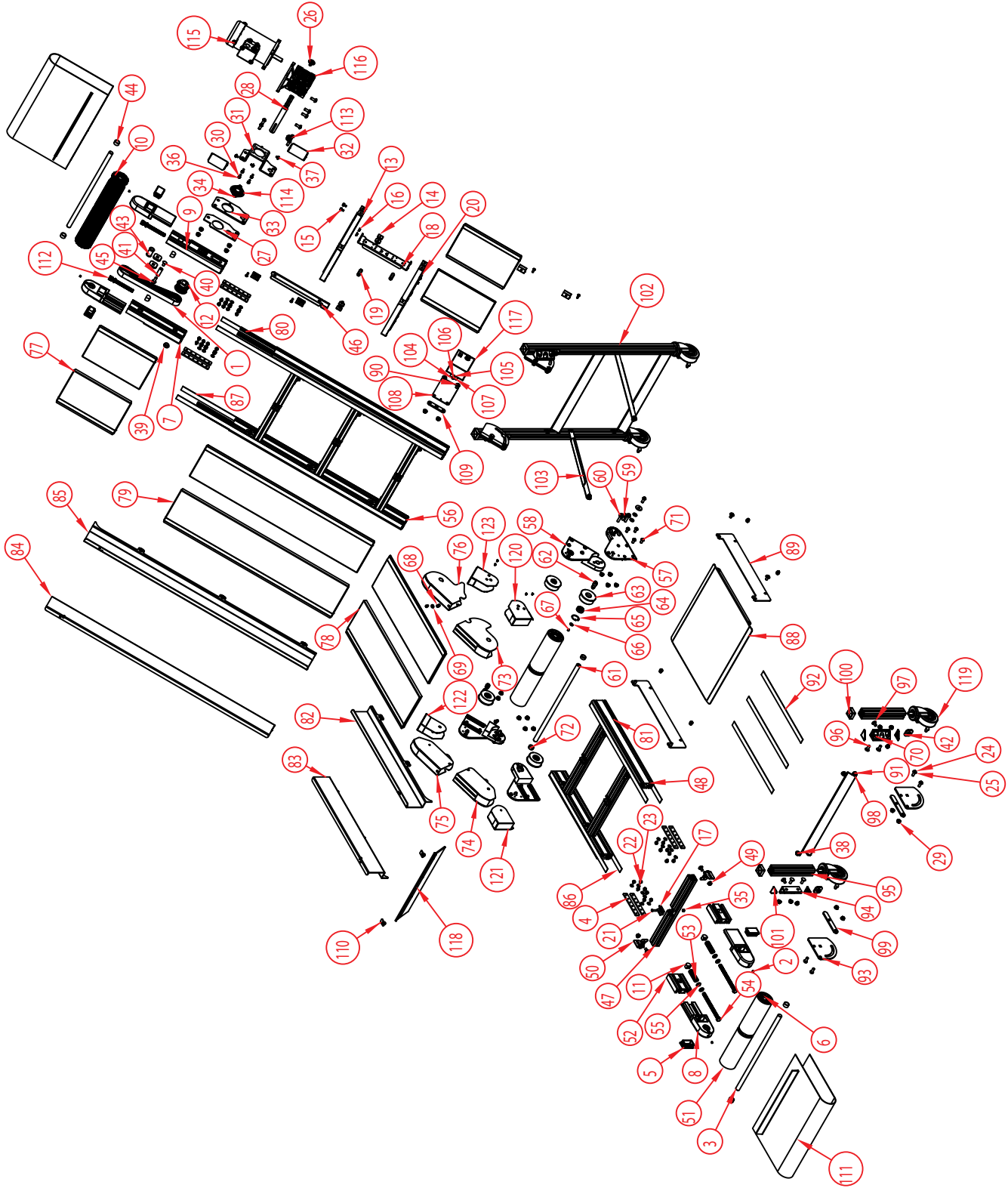


Section VIII. Parts Lists and 3-D Drawings

**EAK Conveyor - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	32	2X-14-7-3	COVER FOR MOUNTING BRACKET
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	33	2X-14-7-2	MOUNTING BRACKET FOR BEARING
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
4	2X-27-4	FRAME CONNECTION PLATE	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	36	CP-7337	HEX HEAD SCREW M6 x 16
6	CP-4592	20MM BALL BEARING SELF ALIGNING	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	38	CP-3343	LOCK WASHER .250 SPLIT RING
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	40	CP-457	CARRIAGE BOLT .375-16 x .750
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	43	2X-15-1	DELTRIN IDLER ROLLER
13	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
14	2X-27-5-100	INSIDE FRAME NUT	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1.000" ZINC PLATED
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.5" ZINC PLATED	46	2X-45-11	SLIDE BED WATER GUARD
16	CP-3068	HEX FLANGE NUT 0.25-20	47	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	48	2X-44-1-L (CF)	INFEED FRAME SIDE FOR EA CONVEYOR
18	2X-29-1	INSIDE CONTROL SUPPORT	49	CP-2869	SERRATED FLANGE NUT 0.375-16 ZINC PLATED
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	50	2X-09-1	GUSSET FOR FRAME CROSS BASE
20	CP-2376	RUBBER GROMMET	51	2X-24-1-W (CF)	TAIL PULLEY FOR EA CONVEYOR
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	52	2X-35-1-413	TAKE-UP GUIDE FOR TAIL
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED	53	CP-7234	SPRING, 3/4" O.D. X 6-7/8" LONG
23	CP-654	FLAT WASHER .250 SAE	54	CP-4509	1/2-13 x 7" HX HD SCREW
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW	55	2X-42-1-S	TAKE-UP WASHER SST
25	CP-3345	LOCK WASHER .375 SPLIT RING	56	2X-44-1-L (CF)	DISCHARGE FRAME SIDE FOR EA CONVEYOR
26	CP-3393	3/8" FLAT WASHER	57	2X-27-2	ALUM OUTSIDE TRANSITION
27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER	58	2X-27-1	ALUM INSIDE TRANSITION PLATE
28	2X-21-7	SINGLE OUTPUT SHAFT FOR EA CONVEYOR	59	CP-4582	HEX SERRATED FLANGE SCREW 0.375-16x1.000" BLACK ZINC PLATED
29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE	60	CP-4583	HEX SERRATED FLANGE SCREW 0.375-16x1.500" BLACK ZINC PLATED
30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER	61	2X-21-2-W (CF)	TRANSITION SHAFT FOR ALUM
31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER	62	2X-21-4	SHAFT FOR TRANSITION ROLLER

### EAK Conveyor - Exploded View - Continued





Section VIII. Parts Lists and 3-D Drawings

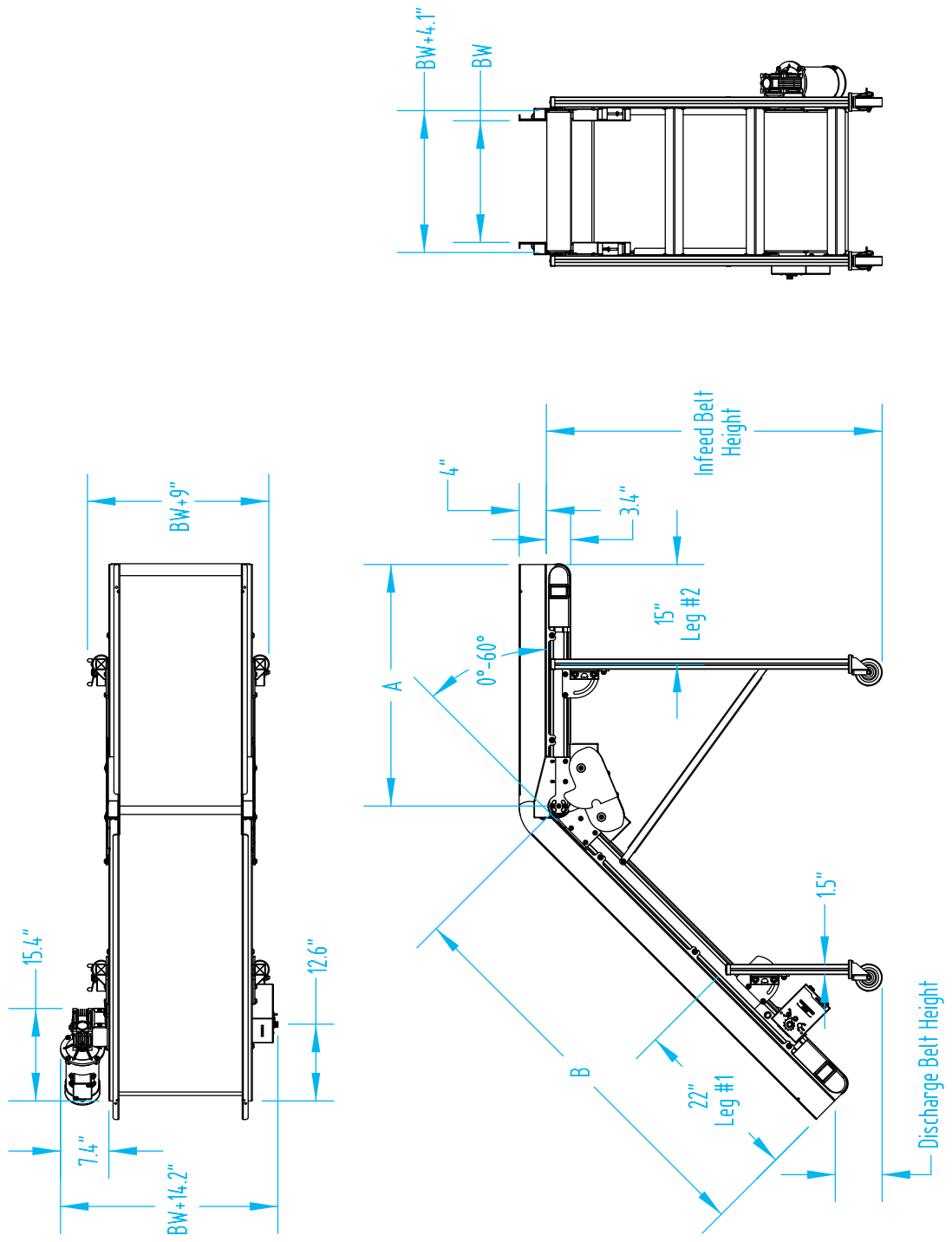
**EAK Conveyor - Parts List - Continued**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
63	4	2X-15-3-294			
		ROLLER WHEEL			
64	4	CP-7037	94	2X-14-5-3	LEG MOUNTING BRACKET
65	4	CP-7310	95	2X-36-1-L (CF)	INFEED LEG FOR EA CONVEYOR
66	4	CP-7035	96	CP-4532	CARRIAGE BOLT .375-16 x 1.000 BLACK OXIDE
67	12	CP-4607	97	CP-4540	CARRIAGE BOLT .375-16 x 0.75 BLACK OXIDE
68	2	CP-2132	98	2X-41-3-W (CF)	ALUMINUM LEG CROSS BRACE
69	2	CP-3340	99	2X-14-6-2	LEG MOUNTING BRACKET SPACER
70	28	CP-3342	100	CP-4537	1.5" SQUARE DIP MOLDED END CAP BLACK
71	28	CP-4533	101	2X-39-1	CAP FOR 1.5" GUSSET PROFILE
72	2	CR-31-27-10	102	2X-36-1-L (CF)	DISCHARGE LEG FOR EA CONVEYOR
73	1	2X-08-1-5-1-L	103	2X-41-4-L (CF)	KNEE BRACE FOR LEGS
74	1	2X-08-1-5-1-R	104	CP-271	SLOTTED ROUND HEAD SCREW #10-32 x .500 PAN
75	1	2X-08-1-5-2-L	105	CP-516	HEX NYLON LOCKING NUT # 10-32
76	1	2X-08-1-5-2-R	106	CP-656	FLAT WASHER .187
77	4	2X-45-1-W-1300 (CF)	107	CP-710	#10 SPLIT LOCK WASHER
78	2	2X-45-1-W-L (CF)	108	2X-27-36-1	SST MOUNTING PLATE
79	2	2X-45-1-W-L (CF)	109	2X-27-36-2	SST SPACER PLATE
80	4	2X-67-1-L (CF)	110	2E-01-10	FLAPPER CLIP
81	4	2X-67-1-L (CF)	111	CLEATED BELT	CLEATED BELT
82	1	2X-33-2-L-L (CF)	112	2X-232-1	WELDMENT FOR TAKE-UP BOLT
83	1	2X-33-2-L-R (CF)	113	EL-7245	CORD GRIP
84	1	2X-33-2-L-L (CF)	114	CP-674	MANKO BEARING
85	1	2X-33-2-L-R (CF)	115	EL-128B	MOTOR
86	4	2X-67-2-L (CF)	116	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
87	4	2X-67-2-L (CF)	117	EL-2566	KBWM 120 CONTROLLER
88	1	2X-45-4-W-L (CF)	118	2S-249-7-W (CF)	4" LEXAN FLAPPER
89	2	2X-44-4-L (CF)	119	CP-1239	SWIVEL CASTER, 4" 1 3/8"
90	6	CP-3293	120	2X-208-1-1-L	TRANSITION GUARD PANEL
91	20	CP-3297	121	2X-208-1-1-R	TRANSITION GUARD PANEL
92	3	2X-67-2-L (CF)	122	2X-208-1-4-L	TRANSITION GUARD PANEL
93	4	2X-14-6-1	123	2X-208-1-4-R	TRANSITION GUARD PANEL

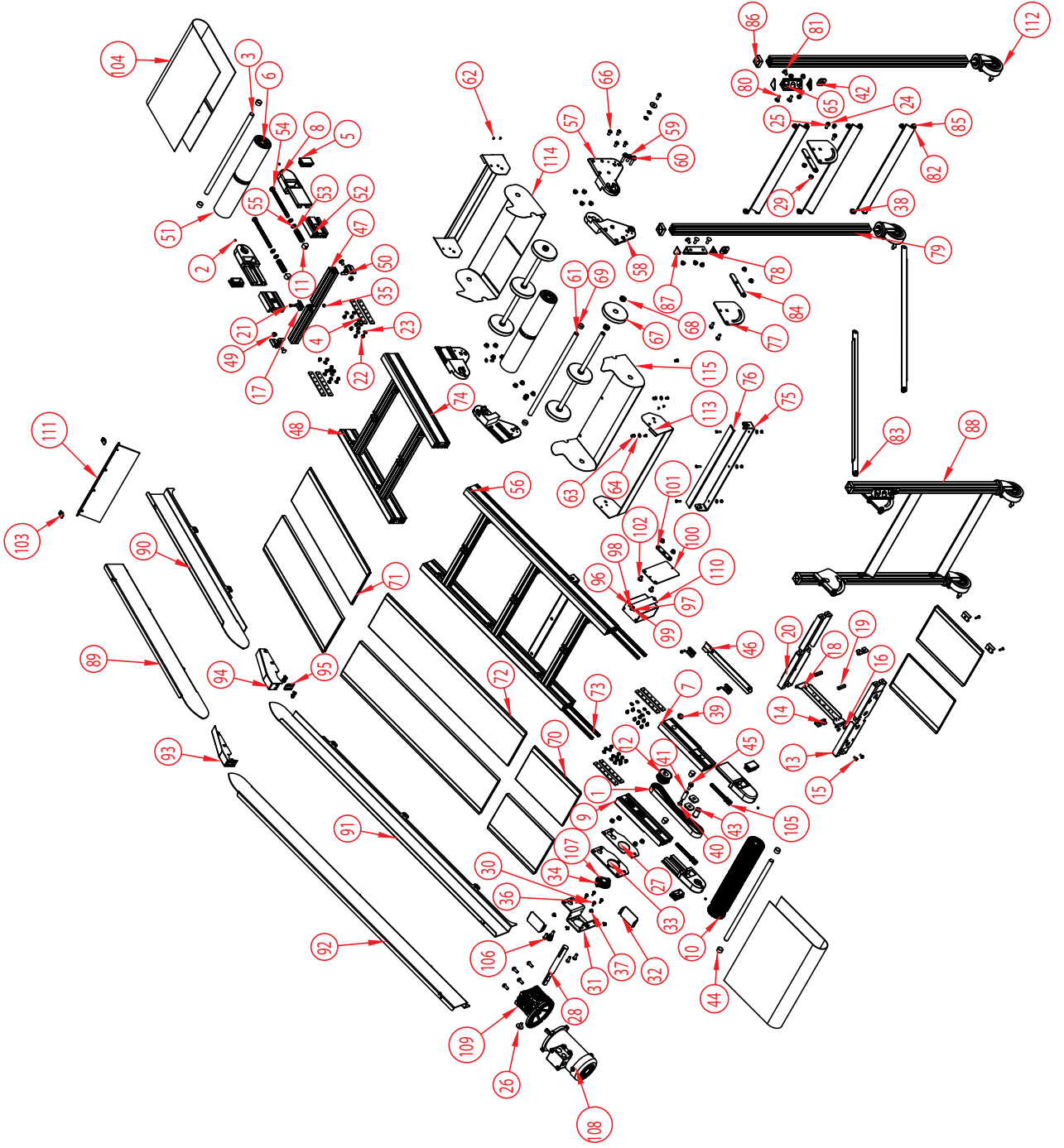
**EAR Conveyor - Assembled View**



### EAR Conveyor - Dimensional Drawing



### EAR Conveyor - Exploded View

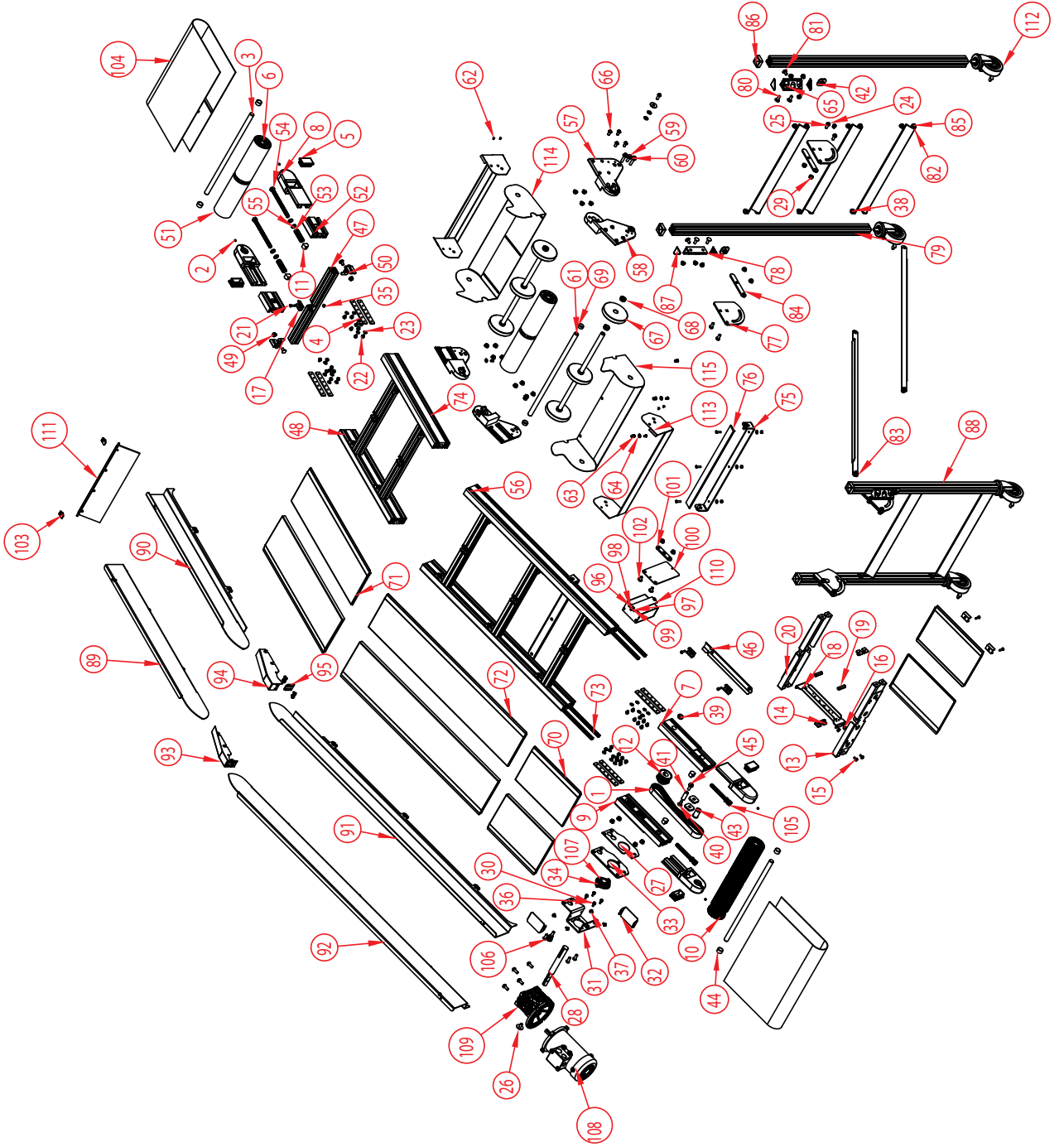


Section VIII. Parts Lists and 3-D Drawings

**EAR Conveyor - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	32	2X-14-7-3	COVER FOR MOUNTING BRACKET
4	2X-27-4	FRAME CONNECTION PLATE	33	2X-14-7-2	MOUNTING BRACKET FOR BEARING
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
6	CP-4592	20MM BALL BEARING SELF ALIGNING	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	36	CP-7337	HEX HEAD SCREW M6 x 16
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	38	CP-3343	LOCK WASHER .250 SPLIT RING
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	40	CP-457	CARRIAGE BOLT .375-16 x .750
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
13	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
14	2X-27-5-100	INSIDE FRAME NUT	43	2X-15-1	DELRIN IDLER ROLLER
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.500" ZINC PLATED	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
16	CP-3068	HEX FLANGE NUT 0.25-20	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1" ZINC PLATED
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	46	2X-45-11	SLIDE BED WATER GUARD
18	2X-29-1	INSIDE CONTROL SUPPORT	47	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	48	2X-44-1-L (CF)	INFEED FRAME SIDE FOR EA CONVEYOR
20	CP-2376	RUBBER GROMMET	49	CP-2869	SERRATED FLANGE NUT 0.375-16 ZINC PLATED
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	50	2X-09-1	GUSSET FOR FRAME CROSS BRACE
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED	51	2X-24-1-W (CF)	TAIL PULLEY FOR EA CONVEYOR
23	CP-654	FLAT WASHER .250 SAE	52	2X-35-1-413	TAKE-UP GUIDE FOR TAIL
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW	53	CP-7234	SPRING, 3/4" O.D. X 6-7/8" LONG
25	CP-3345	LOCK WASHER .375 SPLIT RING	54	CP-4509	1/2-13 x 7" HX HD SCREW
26	CP-3393	3/8" FLAT WASHER,	55	2X-42-1-S	TAKE-UP WASHER SST
27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER	56	2X-44-1-L (CF)	DISCHARGE FRAME SIDE FOR EA CONVEYOR
28	2X-21-7	SINGLE OUTPUT SHAFT FOR	57	2X-27-2	ALUMINUM OUTSIDE TRANSITION
29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE	58	2X-27-1	ALUMINUM INSIDE TRANSITION PLATE

### EAR Conveyor - Exploded View - Continued



Section VIII. Parts Lists and 3-D Drawings

**EAR Conveyor - Parts List - Continued**

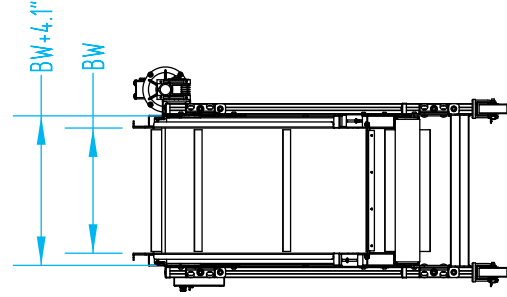
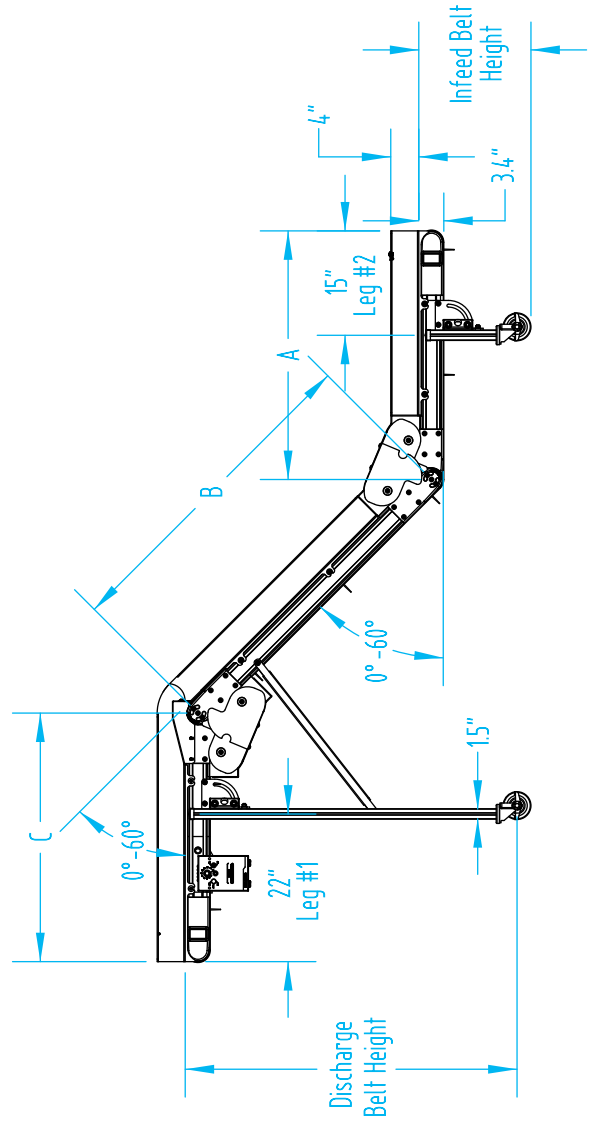
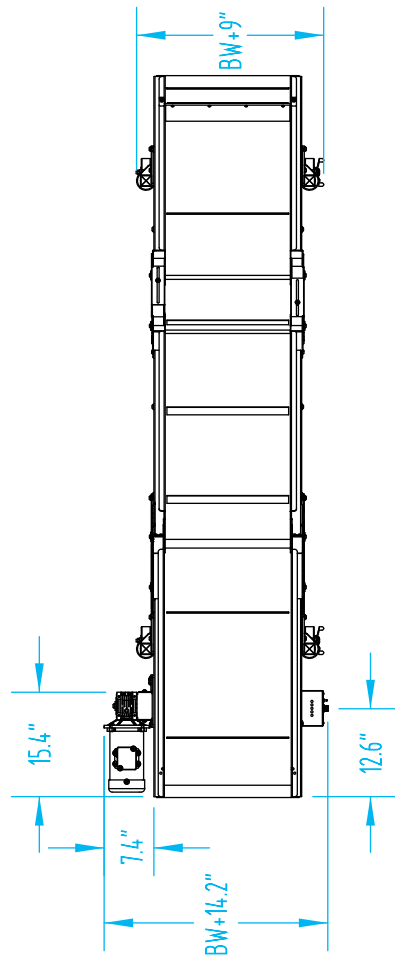
QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	
59	2	CP-4582	88	2	2X-36-1-L (CF)	DISCHARGE LEG FOR EA CONVEYOR
60	4	CP-4583	89	1	2X-33-5-L-L (CF)	4"-90 DEGREE ALUMINUM RAIL FOR INFEED
61	3	2X-21-2-W (CF)	90	1	2X-33-5-L-R (CF)	4"-90 DEGREE ALUMINUM RAIL FOR INFEED
62	8	CP-4607	91	1	2X-33-4-L-R (CF)	4"-90 DEGREE ALUM RAIL FOR DISCHARGE
63	7	CP-2132	92	1	2X-33-4-L-L (CF)	4"-90 DEGREE ALUM RAIL FOR DISCHARGE
64	13	CP-3340	93	1	2X-08-2-4-1-R	WELD NOSE-OVER GUARD TOP COVER
65	24	CP-3342	94	1	2X-08-2-4-1-L	WELD NOSE-OVER GUARD TOP COVER
66	28	CP-4533	95	2	2X-08-2-4-2	NOSE-OVER GUARD COVER
67	6	2X-15-2-482	96	2	CP-271	SLOTTED ROUND HEAD SCREW #10-32 x .500 PAN
68	12	CP-7072	97	2	CP-516	HEX NYLON LOCKING NUT # 10-32
69	2	CR-31-27-10	98	4	CP-656	FLAT WASHER .187
70	4	2X-45-1-W-1300 (CF)	99	2	CP-710	#10 SPLIT LOCK WASHER
71	2	2X-45-1-W-L (CF)	100	1	2X-27-36-1	SST MOUNTING PLATE
72	2	2X-45-1-W-L (CF)	101	1	2X-27-36-2	SST SPACER PLATE
73	4	2X-67-1-L (CF)	102	2	CP-3293	HEX SOCKET BUTTON HEAD SCREW .375-16 x .750
74	4	2X-67-1-L (CF)	103	2	2E-01-10	FLAPPER CLIP
75	2	2X-29-11-W (CF)	104	1	BELT	BELT
76	2	3E-31-398-W (CF)	105	2	2X-232-1	WELDMENT FOR TAKE-UP BOLT
77	4	2X-14-6-1	106	1	EL-7245	CORD GRIP
78	4	2X-14-5-3	107	1	CP-674	MANKO BEARING
79	2	2X-36-1-4400	108	1	EL-128B	MOTOR
80	8	CP-4532	109	1	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
81	8	CP-4540	110	1	EL-2566	KBWM 120 CONTROLLER
82	5	2X-41-3-W (CF)	111	1	2S-249-7-W (CF)	4" LEXAN FLAPPER
83	2	2X-41-4-L (CF)	112	4	CP-1239	SWIVEL CASTER, 4" 1 3/8"
84	4	2X-14-6-2	113	2	2X-208-3-1-W (CF)	TRANSITION GUARD PANEL
85	24	CP-3297	114	1	2X-208-3-2-W (CF)	TRANSITION GUARD PANEL
86	4	CP-4537	115	1	2X-208-3-3-W (CF)	TRANSITION GUARD PANEL
87	8	2X-39-1				

**EAZ Conveyor - Assembled View**

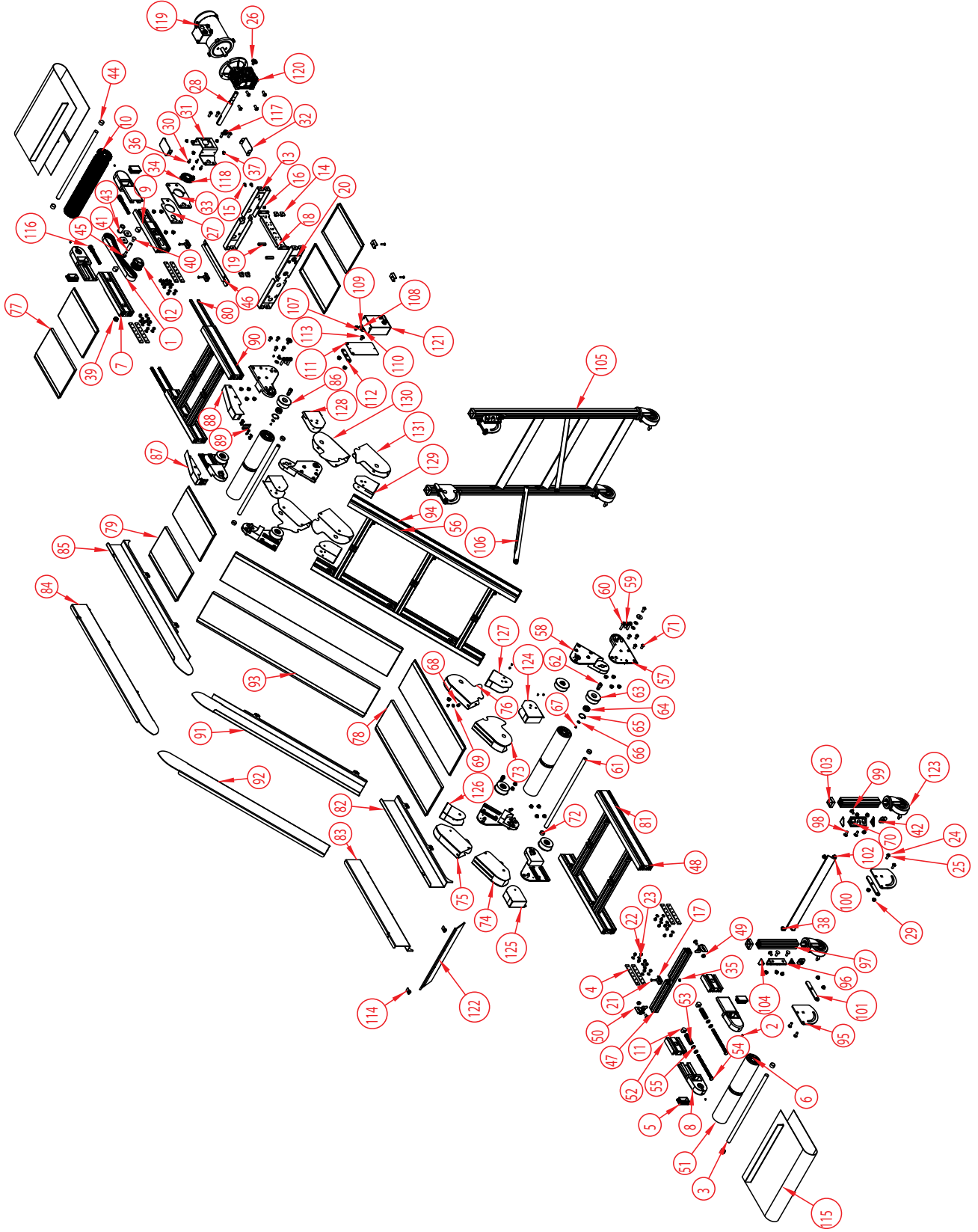




**EAZ Conveyor - Dimensional Drawing**



### EAZ Conveyor - Exploded View

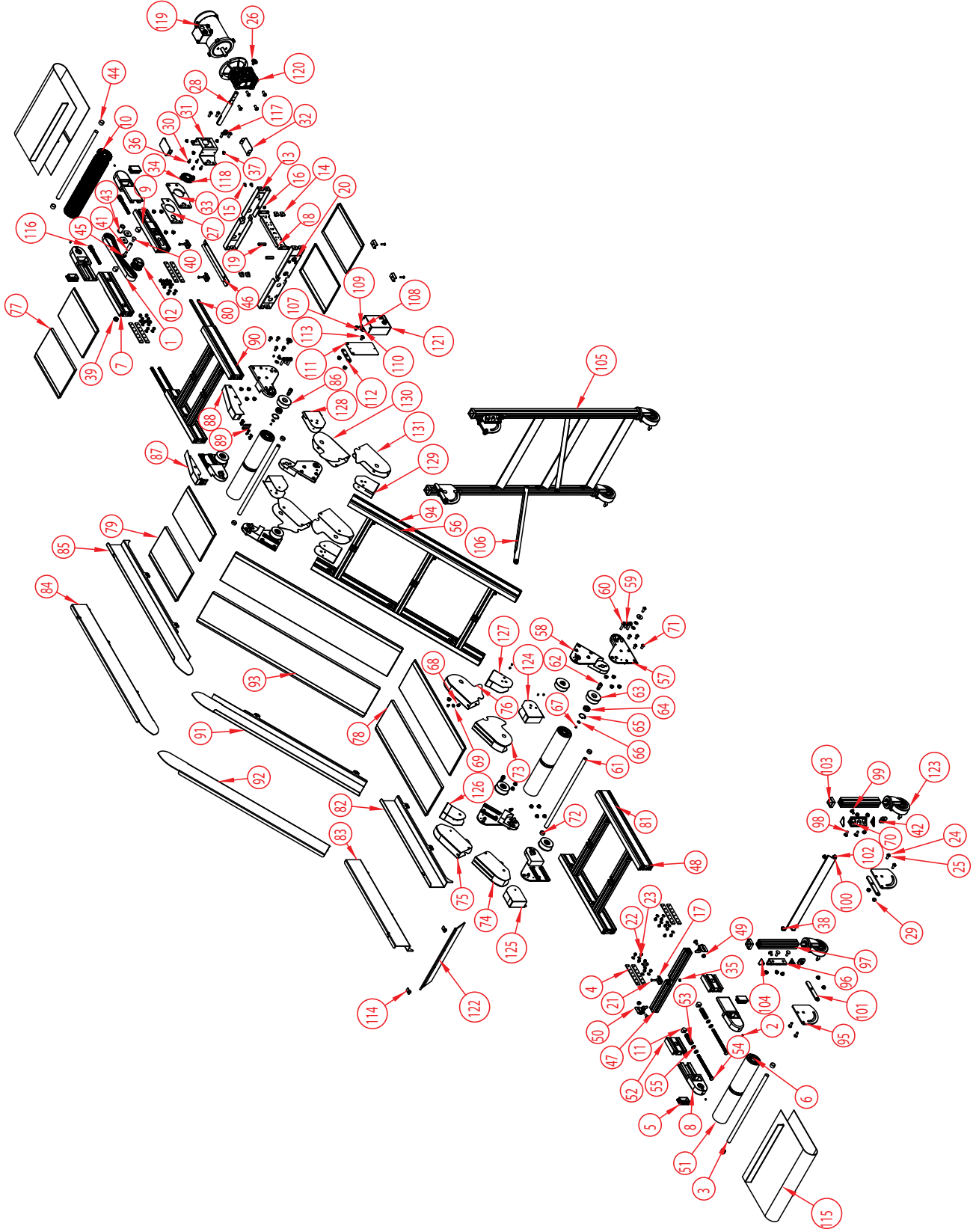


Section VIII. Parts Lists and 3-D Drawings

**EAZ Conveyor - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	36	CP-7337	HEX HEAD SCREW M6 x 16
4	2X-27-4	FRAME CONNECTION PLATE	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	38	CP-3343	LOCK WASHER .250 SPLIT RING
6	CP-4592	20MM BALL BEARING SELF ALIGNING	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	40	CP-457	CARRIAGE BOLT .375-16 x .750
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	43	2X-15-1	DELTRIN IDLER ROLLER
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1.000" ZINC PLATED
13	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	46	2X-45-11	SLIDE BED WATER GUARD
14	2X-27-5-100	INSIDE FRAME NUT	47	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.5"ZINC PLATED	48	2X-44-1-L (CF)	INFEED FRAME SIDE FOR EA CONVEYOR
16	CP-3068	HEX FLANGE NUT 0.25-20	49	CP-2889	SERRATED FLANGE NUT 0.375-16 ZINC PLATED
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	50	2X-09-1	GUSSET FOR FRAME CROSS BRACE
18	2X-29-1	INSIDE CONTROL SUPPORT	51	2X-24-1-W (CF)	TAIL PULLEY FOR EA CONVEYOR
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	52	2X-35-1-413	TAKE-UP GUIDE FOR TAIL
20	CP-2376	RUBBER GROMMET	53	CP-7234	SPRING, 3/4" O.D. X 6-7/8" LONG
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	54	CP-4509	1/2-13 x 7" HX HD SCREW
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250- 20x0.375" ZINC PLATED	55	2X-42-1-S	TAKE-UP WASHER SST
23	CP-654	FLAT WASHER .250 SAE	56	2X-44-1-L (CF)	MIDDLE FRAME SIDE FOR EA CONVEYOR
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW	57	2X-27-2	ALUMINUM OUTSIDE TRANSITION
25	CP-3345	LOCK WASHER .375 SPLIT RING	58	2X-27-1	ALUMINUM INSIDE TRANSITION PLATE
26	CP-3393	3/8" FLAT WASHER,	59	CP-4582	HEX SERRATED FLANGE SCREW 0.375-16x1" BLACK ZINC PLATED
27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER	60	CP-4583	HEX SERRATED FLANGE SCREW 0.375-16x1.5" BLACK ZINC PLATED
28	2X-21-7	SINGLE OUTPUT SHAFT FOR	61	2X-21-2-W (CF)	TRANSITION SHAFT FOR EA CONVEYOR
29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE	62	2X-21-4	SHAFT FOR TRANSITION ROLLER
30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER	63	2X-15-3-294	ROLLER WHEEL
31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER	64	CP-7037	LSE-11 ROLLER BEARING
32	2X-14-7-3	COVER FOR MOUNTING BRACKET	65	CP-7310	SNAP RING 35MM DIAMETER (SEEGER) ATS-25
33	2X-14-7-2	MOUNTING BRACKET FOR BEARING	66	CP-7035	SNAP RING, 15mm EXTERNAL RING

### EAZ Conveyor - Exploded View - Continued

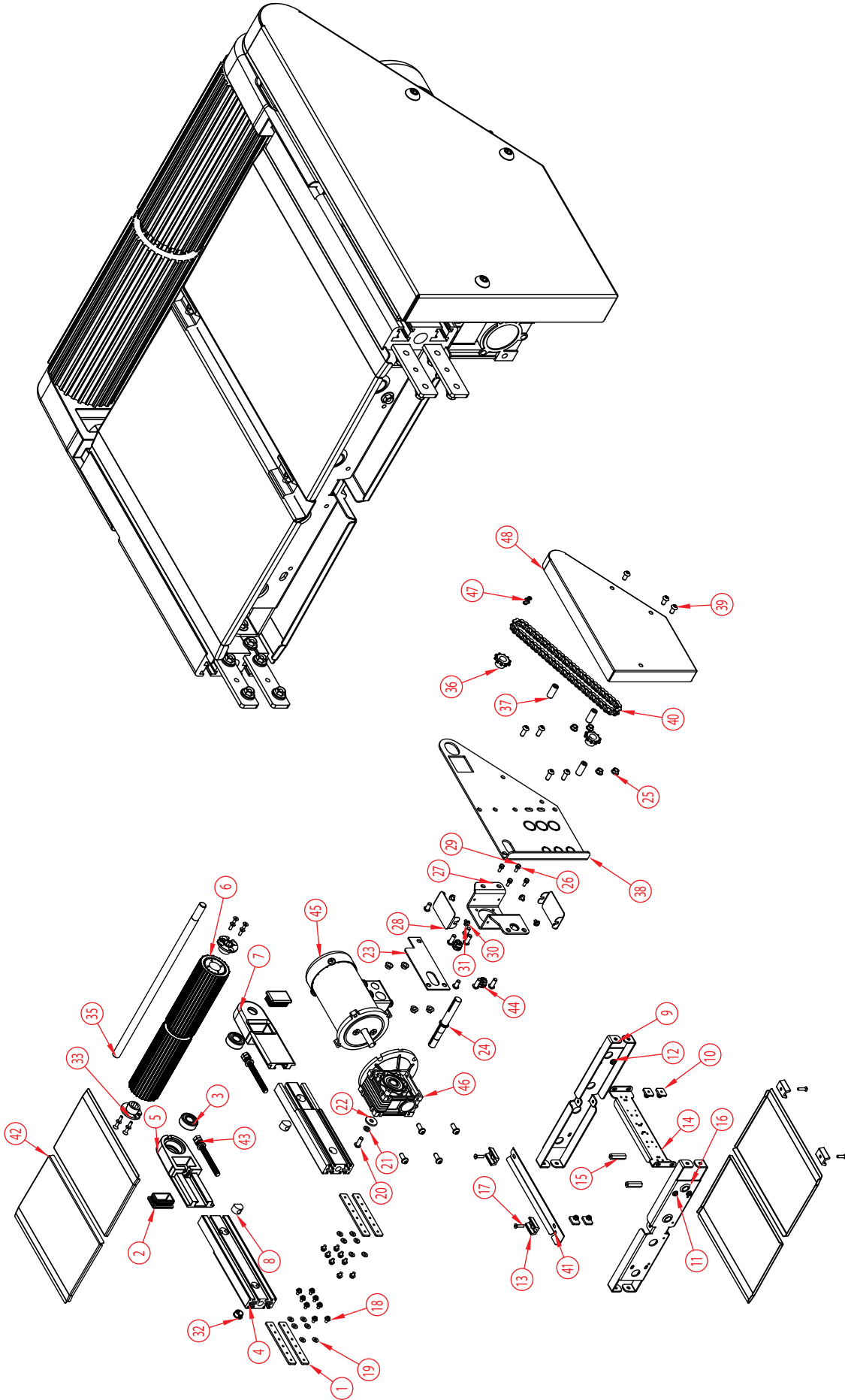


Section VIII. Parts Lists and 3-D Drawings

**EAZ Conveyor - Parts List - Continued**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
67	CP-4607	SLOTTED FLAT HEAD SCREW #8-32 x .3125	100	2X-41-3-W (CF)	ALUMINUM LEG CROSS BRACE
68	CP-2132	1/4 - 20 AVIBANK NUTSERT	101	2X-14-6-2	LEG MOUNTING BRACKET SPACER
69	CP-3340	FLAT WASHER .250	102	CP-3297	SERRATED FLANGE NUT 0.25-20 BLACK OXIDE
70	CP-3342	FLAT WASHER .375	103	CP-4537	1.5" SQUARE DIP MOLDED END CAP BLACK
71	CP-4533	3/8-16 X 3/4" BLACK OXIDE TORX BUTTON CAP SCREW	104	2X-39-1	CAP FOR 1.5" GUSSET PROFILE
72	CR-31-27-10	TRANSITION 25mm O.D. DRIVE SHAFT SPACER	105	2X-36-1-L (CF)	DISCHARGE LEG FOR EA CONVEYOR
73	2X-08-1-5-1-L	TRANSITION GUARD PANEL	106	2X-41-4-28	KNEE BRACE FOR LEGS
74	2X-08-1-5-1-R	TRANSITION GUARD PANEL	107	CP-271	SLOTTED ROUND HEAD SCREW #10-32 x .500 PAN
75	2X-08-1-5-2-L	TRANSITION GUARD PANEL	108	CP-516	HEX NYLON LOCKING NUT # 10-32
76	2X-08-1-5-2-R	TRANSITION GUARD PANEL	109	CP-656	FLAT WASHER .187
77	2X-45-1-W-1300 (CF)	DRIVE HEAD SLIDE BED FOR STANDARD FRAME	110	CP-710	#10 SPLIT LOCK WASHER
78	2X-45-1-W-L (CF)	INFEED SLIDE BED FOR STANDARD FRAME	111	2X-27-36-1	SST MOUNTING PLATE
79	2X-45-1-W-L (CF)	DISCHARGE SLIDE BED FOR STANDARD FRAME	112	2X-27-36-2	SST SPACER PLATE
80	2X-67-1-L (CF)	DISCHARGE 10MM T-SLOT BLACK TRIM	113	CP-3293	HEX SOCKET BUTTON HEAD SCREW .375-16 x .750
81	2X-67-1-L (CF)	INFEED 10MM T-SLOT BLACK TRIM	114	2E-01-10	FLAPPER CLIP
82	2X-33-2-L-L (CF)	INFEED 4"-90 DEGREE ALUM RAIL FOR EA CONVEYOR	115	CLEATED BELT	CLEATED BELT
83	2X-33-2-L-R (CF)	INFEED 4"-90 DEGREE ALUM RAIL FOR EA CONVEYOR	116	2X-232-1	WELDMENT FOR TAKE-UP BOLT
84	2X-33-4-L-R (CF)	DISCHARGE 4"-90 DEGREE ALUMINUM RAIL FOR EAZ	117	EL-7245	CORD GRIP
85	2X-33-4-L-L (CF)	DISCHARGE 4"-90 DEGREE ALUMINUM RAIL FOR EAZ	118	CP-674	MANKO BEARING
86	2X-15-3-281	ROLLER WHEEL	119	EL-128B	MOTOR
87	2X-08-2-4-1-R	WELD NOSE-OVER GUARD TOP COVER	120	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
88	2X-08-2-4-1-L	WELD NOSE-OVER GUARD TOP COVER	121	EL-2566	KBWM 120 CONTROLLER
89	2X-08-2-4-2	NOSE-OVER GUARD COVER	122	2S-249-7-W (CF)	4" LEXAN FLAPPER
90	2X-44-1-L (CF)	DISCHARGE FRAME SIDE FOR EA CONVEYOR	123	CP-1239	SWIVEL CASTER, 4" 1 3/8"
91	2X-33-3-L-L (CF)	MIDDLE 4"-90 DEGREE ALUMINUM RAIL FOR INFEED	124	2X-208-1-1-L	TRANSITION GUARD PANEL
92	2X-33-3-L-R (CF)	MIDDLE 4"-90 DEGREE ALUMINUM RAIL FOR INFEED	125	2X-208-1-1-R	TRANSITION GUARD PANEL
93	2X-45-1-W-L (CF)	MIDDLE SLIDE BED FOR STANDARD FRAME	126	2X-208-1-4-L	TRANSITION GUARD PANEL
94	2X-67-1-L (CF)	MIDDLE 10MM T-SLOT BLACK TRIM	127	2X-208-1-4-R	TRANSITION GUARD PANEL
95	2X-14-6-1	LEG MOUNTING BRACKET	128	2X-208-2-1-L	TOP TRANSITION GUARD PANEL
96	2X-14-5-3	LEG MOUNTING BRACKET	129	2X-208-2-1-R	TOP TRANSITION GUARD PANEL
97	2X-36-1-L (CF)	INFEED LEG FOR EA CONVEYOR	130	2X-208-2-2-L	TOP TRANSITION GUARD PANEL
98	CP-4532	CARRIAGE BOLT .375-16 x 1.000 BLACK OXIDE	131	2X-208-2-3-R	TOP TRANSITION GUARD PANEL
99	CP-4540	CARRIAGE BOLT .375-16 x 0.75 BLACK OXIDE			

### EA Chain Drive - Assembled and Exploded View

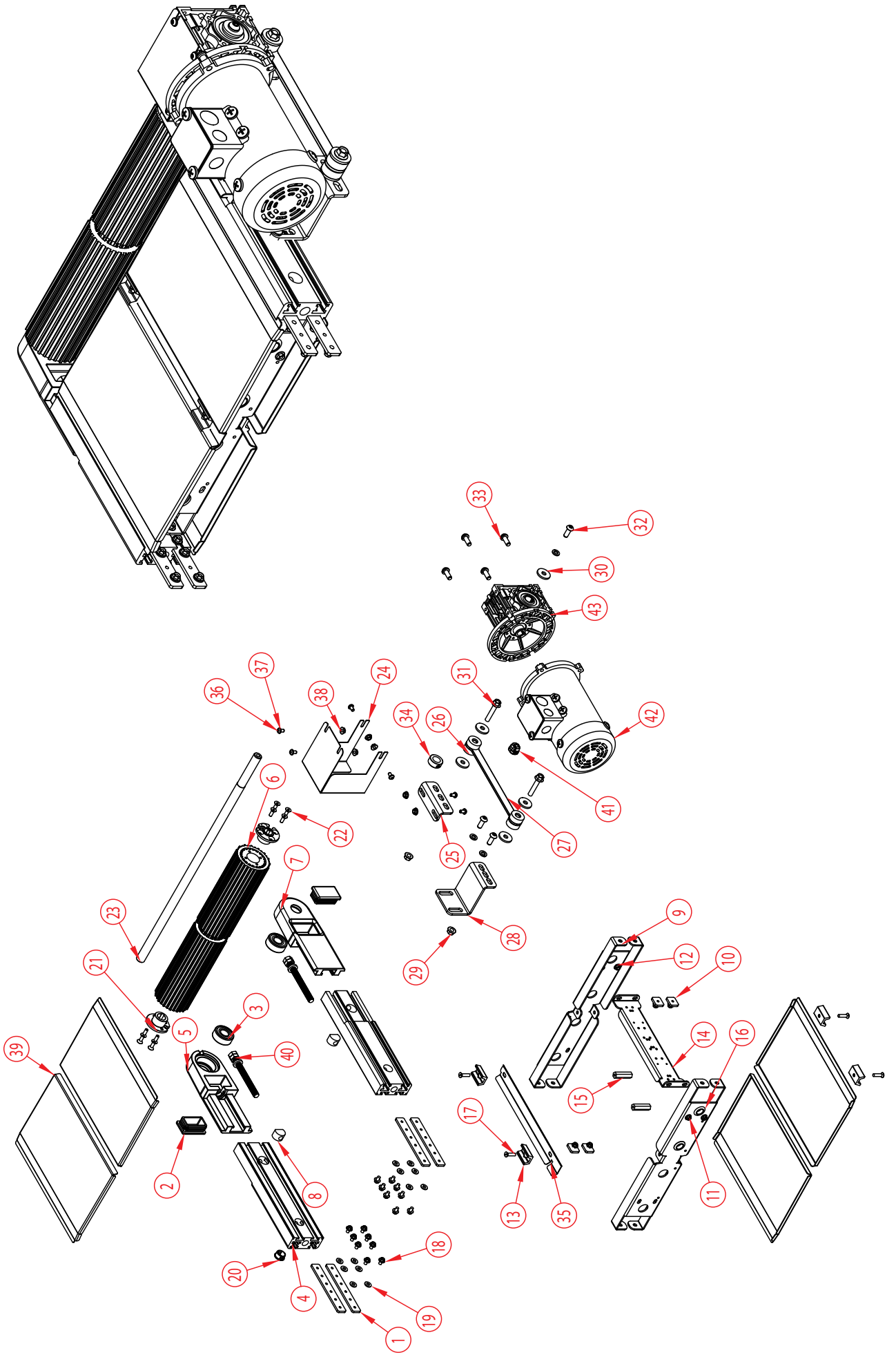


Section VIII. Parts Lists and 3-D Drawings

EA Chain Drive - Parts List

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	4	2X-27-4	25	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
2	2	CP-3532	26	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER
3	2	CP-4592	27	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER
4	2	2X-44-2-2	28	2X-14-7-3	COVER FOR MOUNTING BRACKET
5	1	2X-14-1-2	29	CP-7337	HEX HEAD SCREW M6 x 16
6	1	2X-10-3-W (CF)	30	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
7	1	2X-14-1-3	31	CP-3343	LOCK WASHER .250 SPLIT RING
8	2	2X-55-1	32	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
9	2	2X-41-2-W (CF)	33	2X-14-8	END CAP FOR DIRECT DRIVE PULLEY
10	4	2X-27-5-100	34	CP-322	HEX SOCKET FLAT HEAD SCREW .250-20 x .750
11	4	CP-3067	35	2X-21-8-W (CF)	DRIVE PULLEY SHAFT
12	4	CP-3068	36	CP-2662	SPROCKET 40B10 x .750
13	4	2X-19-1	37	3E-41-1062-150	CROSS BRACE
14	1	2X-29-1	38	2X-14-9-1-R	UNDERNEATH MOTOR BRACKET
15	2	2X-55-3	39	CP-4533	3/8-16 X 3/4" BLACK OXIDE TORX BUTTON CAP SCREW
16	2	CP-2376	40	3E-40-74-3000	#40 ROLLER DRIVE CHAIN
17	4	CP-259	41	2X-45-11	SLIDE BED WATER GUARD
18	20	CP-4564	42	2X-45-1-W-1300 (CF)	SLIDE BED FOR STANDARD FRAME
19	16	CP-654	43	2X-232-1	WELDMENT FOR TAKE-UP BOLT
20	13	CP-4534	44	EL-7245	CORD GRIP
21	5	CP-3345	45	EL-128B	MOTOR
22	1	CP-3393	46	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
23	1	2X-14-9-2	47	CP-1297	#40 CONNECTOR LINK
24	1	2X-21-9	48	2X-208-4-X (CF)	CHAIN GUARD WELDMENT

### EA Direct Drive - Assembled and Exploded View



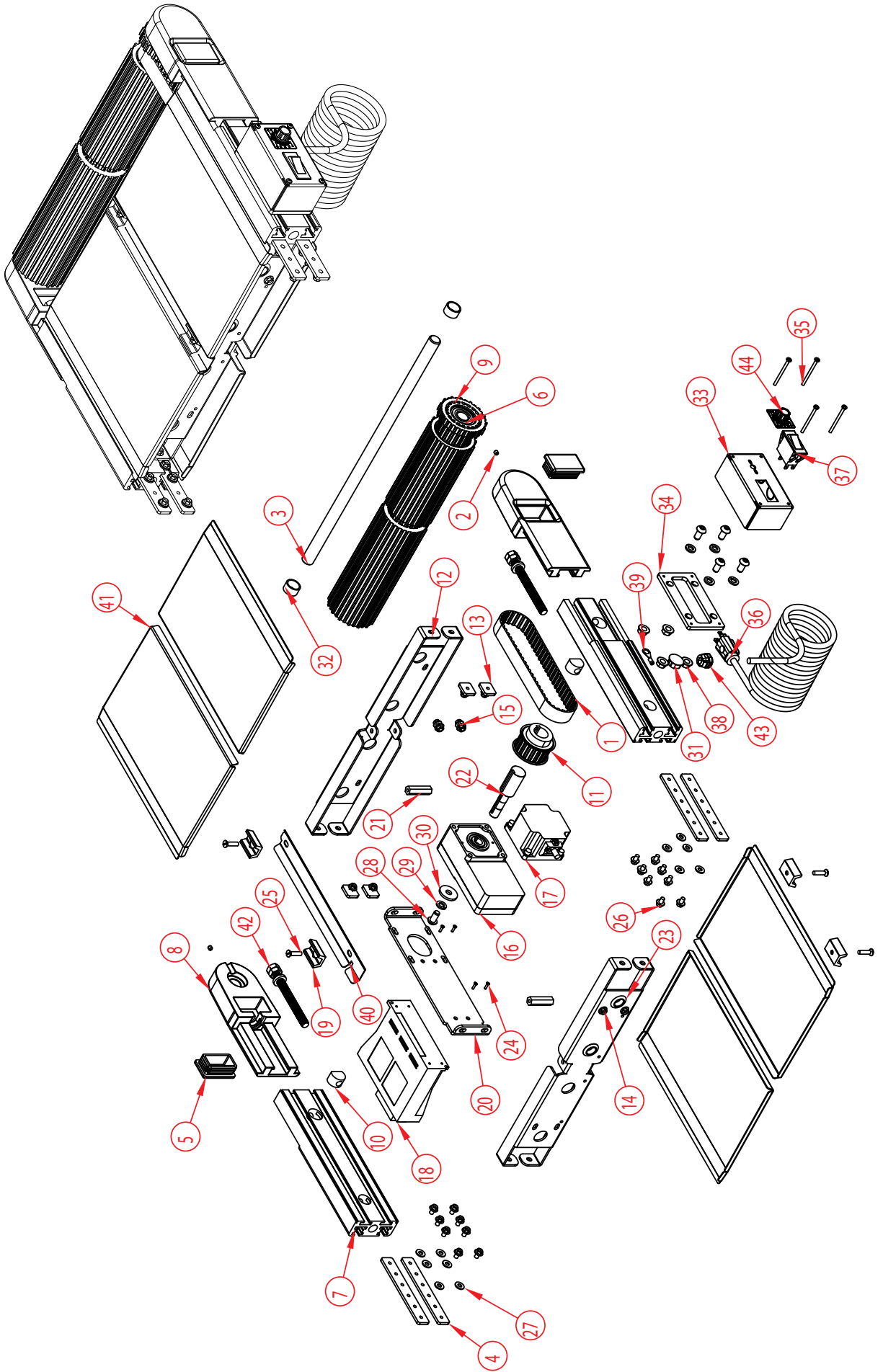


Section VIII. Parts Lists and 3-D Drawings

**EA Direct Drive - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	
1	4	2X-27-4	23	1	2X-21-14-W (CF)	DRIVE PULLEY SHAFT
2	2	CP-3532	24	1	CZ-08-58	DIRECT DRIVE SHAFT GUARD
3	2	CP-4592	25	1	2M-14-28-1	REACTION ROD BRACKET
4	2	2X-44-2-2	26	2	CP-3178	UNIVERSAL MOUNT (NARROW) #60166-4
5	1	2X-14-1-2	27	1	2M-38-1-950	REACTION ROD
6	1	2X-10-3-W (CF)	28	1	CZ-14-174	REACTION ROD BRACKET
7	1	2X-14-1-3	29	4	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
8	2	2X-55-1	30	5	CP-3393	3/8" FLAT WASHER
9	2	2X-41-2-W (CF)	31	2	CP-3049	HEX SERRATED FLANGE SCREW 0.375-16x2" ZINC PLATED
10	4	2X-27-5-100	32	7	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW
11	4	CP-3067	33	7	CP-3345	LOCK WASHER .375 SPLIT RING
12	4	CP-3068	34	1	CP-1210	LOCKING COLLAR .750IDx1.250ODx.563TH
13	4	2X-19-1	35	1	2X-45-11	SLIDE BED WATER GUARD
14	1	2X-29-1	36	6	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
15	2	2X-55-3	37	6	CP-3343	LOCK WASHER .250 SPLIT RING
16	2	CP-2376	38	6	CP-3297	SERRATED FLANGE NUT 0.25-20 BLACK OXIDE
17	4	CP-259	39	4	2X-45-1-W-1300 (CF)	SLIDE BED FOR STANDARD FRAME
18	20	CP-4564	40	2	2X-232-1	WELDMENT FOR TAKE-UP BOLT
19	12	CP-654	41	2	EL-7245	CORD GRIP
20	1	CP-1240	42	1	EL-128B	MOTOR
21	2	2X-14-8	43	1	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C
22	8	CP-322				

### EA Internal Timing Belt Drive - Assembled and Exploded View

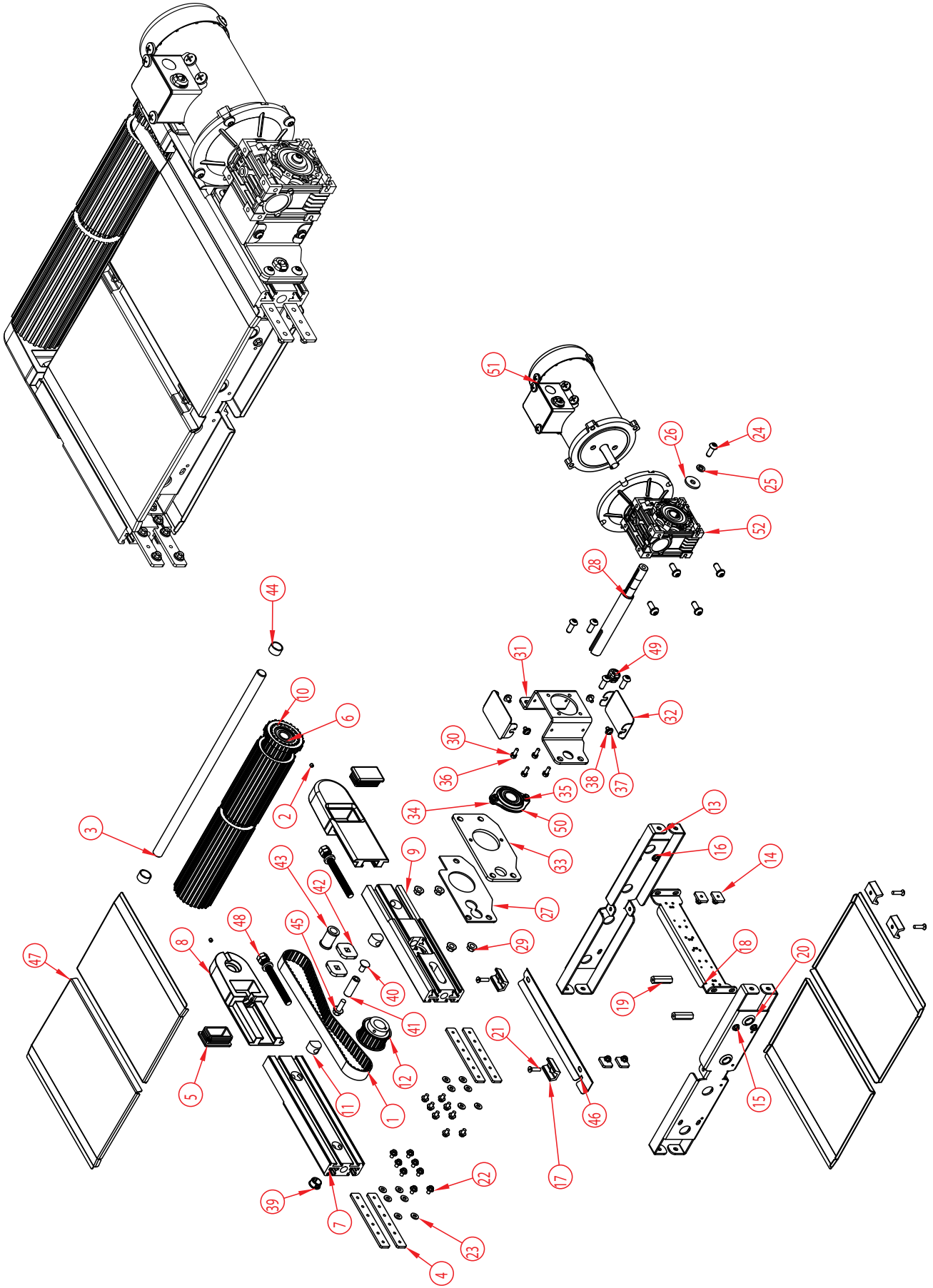


Section VIII. Parts Lists and 3-D Drawings

**EA Internal Timing Belt Drive - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4516	TIMING BELT 3/8" PITCH 1" WIDE 21"	23	CP-2376	RUBBER GROMMET
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	24	CP-7790	M3 x 12 SST HEX SOCKET FH
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	25	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000
4	2X-27-4	FRAME CONNECTION PLATE	26	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	27	CP-654	FLAT WASHER .250 SAE
6	CP-4592	20MM BALL BEARING SELF ALIGNING	28	CP-4533	3/8-16 X 3/4" BLACK OXIDE TORX BUTTON CAP SCREW
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	29	CP-3345	LOCK WASHER .375 SPLIT RING
8	2X-14-1-1	TAKE-UP BRACKET FOR EXTRUDED	30	CP-3393	3/8" FLAT WASHER
9	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	31	CP-4428	HEYCO BLACK CAP
10	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	32	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
11	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	33	2X-12-4	ENCLOSURE FOR ON/OFF SWITCH
12	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	34	2X-14-3	MOUNTING BRACKET FOR ON/OFF
13	2X-27-5-100	INSIDE FRAME NUT	35	CP-4588	#8-32 x 2-1/4" PAN HEAD SCREW
14	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.5" ZINC PLATED	36	2E-263-1	15' POWER CORD
15	CP-3068	HEX FLANGE NUT 0.25-20	37	EL-3445	ETA CIRCUIT PROTECTION AND SWITCH
16	CP-4541	50:1 RIGHT ANGLE ORIENTAL REDUCER	38	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
17	EL-3443	ORIENTAL MOTOR #BLEM46-GFS	39	EL-308	RING TERMINAL 14-16 AWG, 3/8 (STUD)
18	EL-3444	ORIENTAL DRIVER #BLED6A	40	2X-45-11	SLIDE BED WATER GUARD
19	2X-19-1	SLIDE BED RETAINER OR CLAMP	41	2X-45-1-W-1300 (CF)	SLIDE BED FOR STANDARD FRAME
20	2X-29-1-2	INSIDE MOTOR SUPPORT	42	2X-232-1	WELDMENT FOR TAKE-UP BOLT
21	2X-55-3	SLIDE TRAY HOLD DOWN NUT	43	EL-7245	CORD GRIP
22	2X-21-5	SINGLE OUTPUT SHAFT FOR EA CONVEYOR	44	EL-2199	KNOB/DIAL KIT K.B. PART # 9815

### EA External Timing Belt Drive - Assembled and Exploded View

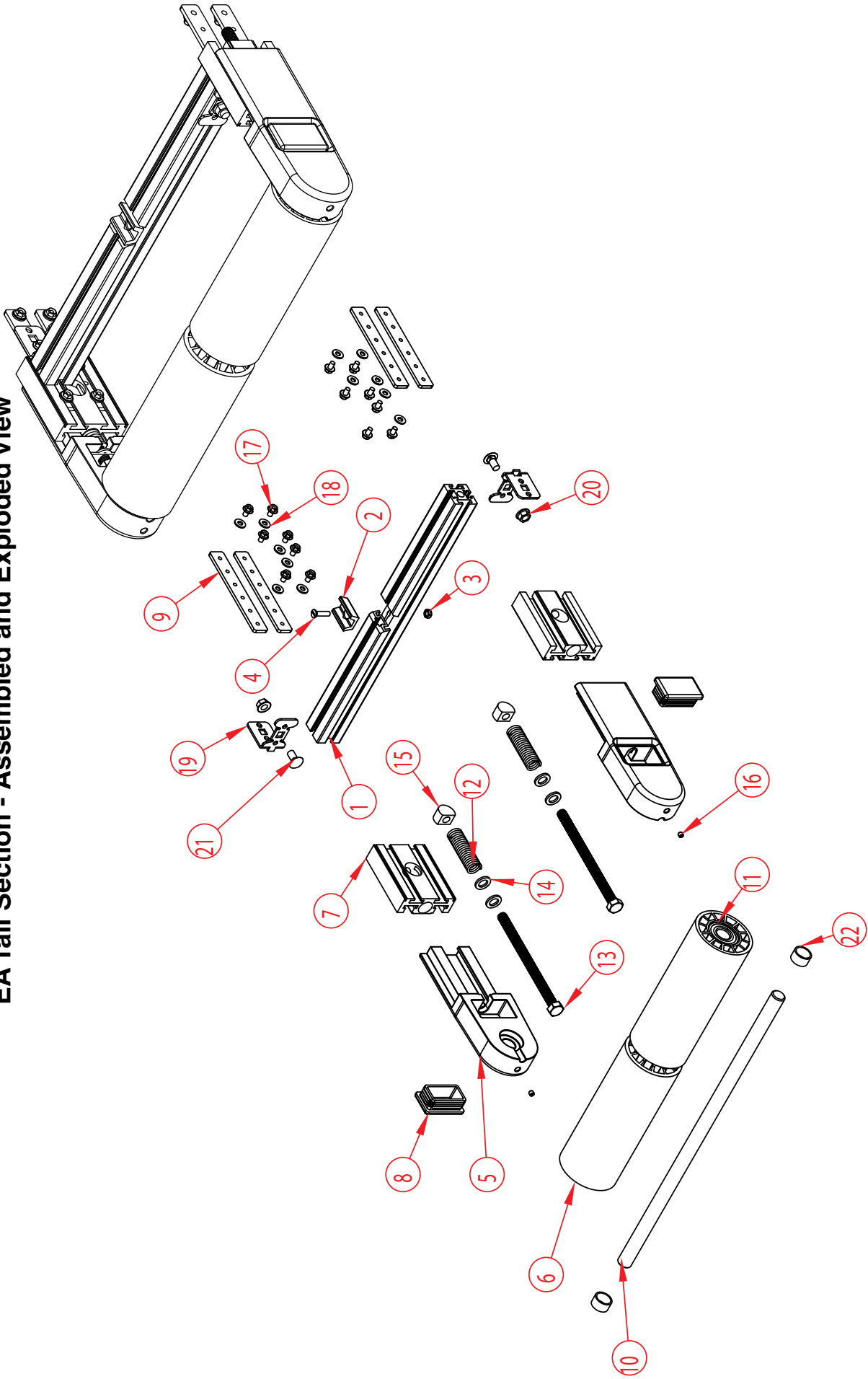


Section VIII. Parts Lists and 3-D Drawings

**EA External Timing Belt Drive - Parts List**

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
1	CP-4511	TIMING BELT 3/8" PITCH 1" WIDE 30" LONG	27	2X-14-2-1-3	OUTSIDE MOTOR BRACKET SPACER
2	CP-350	SOCKET HEAD SET SCREW .250-20 x .250	28	2X-21-7	SINGLE OUTPUT SHAFT FOR EA CONVEYOR
3	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR	29	CP-3299	SERRATED FLANGE NUT 0.375-16 BLACK OXIDE
4	2X-27-4	FRAME CONNECTION PLATE	30	CP-7031	WASHER, M6, EXTERNAL TOOTH LOCK WASHER
5	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE	31	2X-14-7-1	MOUNTING BRACKET FOR 040 REDUCER
6	CP-4592	20MM BALL BEARING SELF ALIGNING	32	2X-14-7-3	COVER FOR MOUNTING BRACKET
7	2X-44-2-2	FRAME SIDE FOR DRIVE HEAD	33	2X-14-7-2	MOUNTING BRACKET FOR BEARING
8	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR	34	CP-282	SLOTTED FLAT HEAD SCREW .250-20 x .750
9	2X-44-2-1	FRAME SIDE FOR DRIVE HEAD	35	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
10	2X-10-1-W (CF)	DRIVE PULLEY FOR EA CONVEYOR	36	CP-7337	HEX HEAD SCREW M6 x 16
11	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR	37	CP-4536	1/4-20 X 1/2" BLACK OXIDE TORX BUTTON CAP SCREW
12	2X-10-2	19 TOOTH L SERIES TIMING PULLEY	38	CP-3343	LOCK WASHER .250 SPLIT RING
13	2X-41-2-W (CF)	FRAME BRACE FOR DRIVE HEAD	39	CP-1240	7/8" GROOVE DIAMETER RUBBER GROMMET
14	2X-27-5-100	INSIDE FRAME NUT	40	CP-457	CARRIAGE BOLT .375-16 x .750
15	CP-3067	HEX SERRATED FLANGE SCREW 0.250-20x0.5" ZINC PLATED	41	4S-41-37-175	5/8" DIAMETER SST CROSS BRACE
16	CP-3068	HEX FLANGE NUT 0.25-20	42	2X-14-6-3	LEG MOUNTING BRACKET STOP
17	2X-19-1	SLIDE BED RETAINER OR CLAMP	43	2X-15-1	DELTRIN IDLER ROLLER
18	2X-29-1	INSIDE CONTROL SUPPORT	44	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER
19	2X-55-3	SLIDE TRAY HOLD DOWN NUT	45	CP-2939	HEX SERRATED FLANGE SCREW 0.375-16x1" ZINC PLATED
20	CP-2376	RUBBER GROMMET	46	2X-45-11	SLIDE BED WATER GUARD
21	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000	47	2X-45-1-W-1300 (CF)	SLIDE BED FOR STANDARD FRAME
22	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED	48	2X-232-1	WELDMENT FOR TAKE-UP BOLT
23	CP-654	FLAT WASHER .250 SAE	49	EL-7245	CORD GRIP
24	CP-4534	3/8-16 X 1" BLACK OXIDE TORX BUTTON CAP SCREW	50	CP-674	MANKO BEARING
25	CP-3345	LOCK WASHER .375 SPLIT RING	51	EL-128B	MOTOR
26	CP-3393	3/8" FLAT WASHER	52	CP-7560	MOTOVARIO GEARBOX NMRV-040-60-56C

### EA Tail Section - Assembled and Exploded View



Section VIII. Parts Lists and 3-D Drawings

**EA Tail Section - Parts List**

QTY.	PART NO.	DESCRIPTION
1	2X-41-1-W (CF)	FRAME RUNG FOR EA CONVEYOR
2	2X-19-1	SLIDE BED RETAINER OR CLAMP
3	CP-600	1/4-20 PLATED ELASTIC LOCK NUT
4	CP-259	SLOTTED FLAT HEAD SCREW .250-20 x 1.000
5	2X-14-1-1	TAKE-UP BRACKET FOR EA CONVEYOR
6	2X-24-1-W (CF)	TAIL PULLEY FOR EA CONVEYOR
7	2X-35-1-413	TAKE-UP GUIDE FOR TAIL
8	CP-3532	PLASTIC CAP 1.500x2.500 RECTANGLE
9	2X-27-4	FRAME CONNECTION PLATE
10	2X-21-1-W (CF)	TAIL SHAFT FOR EA CONVEYOR
11	CP-4592	20MM BALL BEARING SELF ALIGNING
12	CP-7234	SPRING, 3/4" O.D. X 6-7/8" LONG
13	CP-4509	1/2-13 x 7" HX HD SCREW
14	2X-42-1-S	TAKE-UP WASHER SST
15	2X-55-1	TAKE-UP NUT FOR EA CONVEYOR
16	CP-350	SOCKET HEAD SET SCREW .250-20 x .250
17	CP-4564	HEX SERRATED FLANGE SCREW 0.250-20x0.375" ZINC PLATED
18	CP-654	FLAT WASHER .250 SAE
19	2X-09-1	GUSSET FOR FRAME CROSS BRACE
20	CP-2869	SERRATED FLANGE NUT 0.375-16 ZINC PLATED
21	CP-457	CARRIAGE BOLT .375-16 x .750
22	CR-31-27-14	25mm O.D. DRIVE SHAFT SPACER

## Notes

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# IMPORTANT INFORMATION

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