# Installation Guide

ARGONICS ENGINEERED POLYURETHANE

# ERASER PQ™

## Conveyor Belt Cleaning System


PERFORMANCE SOLUTIONS! PROVEN

LIB-CP-PQ-03-01 Rev. 1

## ⚠WARNING

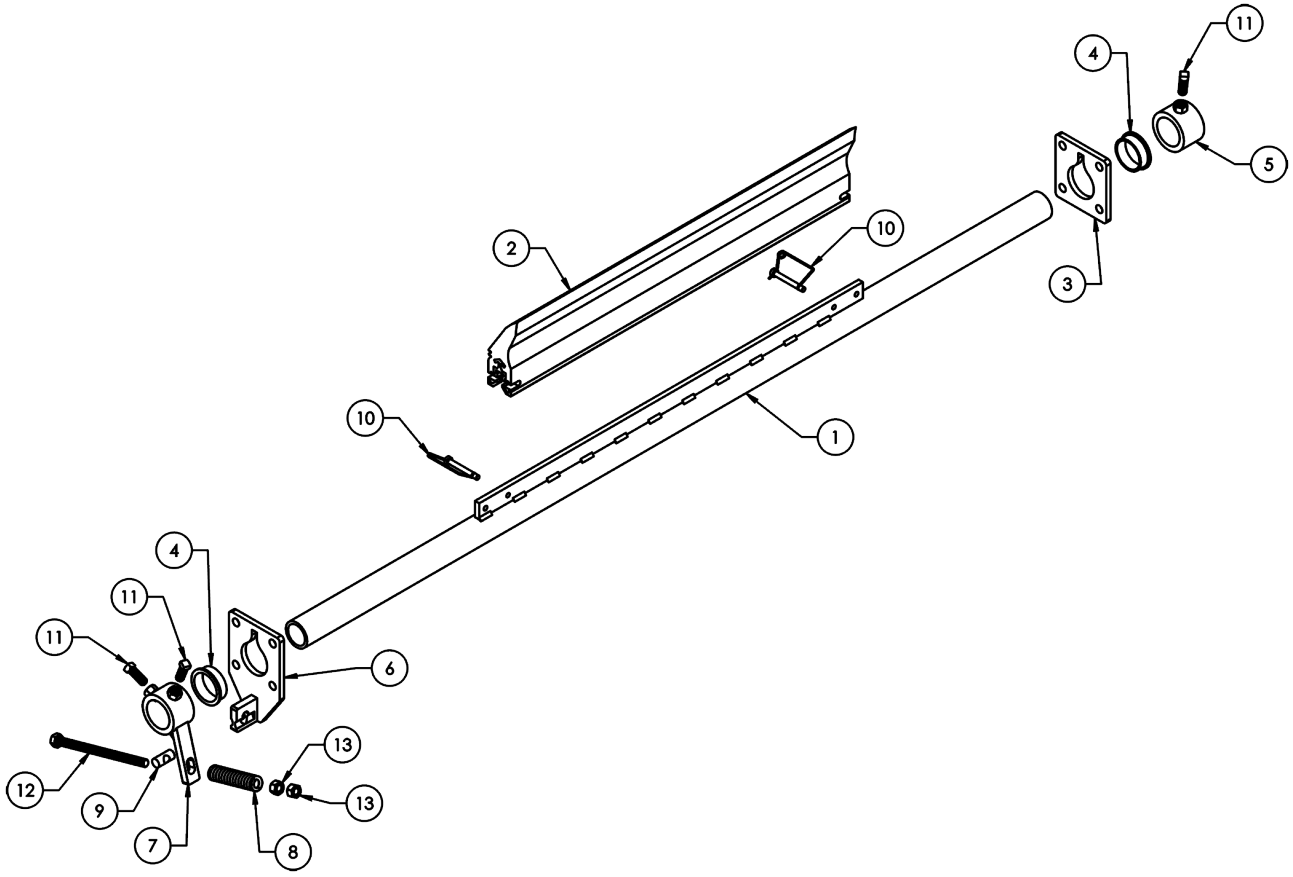
**Always obey all applicable safety rules.**
**Be sure all power to the conveyor has been disconnected and controls are locked out.**

## Installation Tools Required

- Tape measure
- Cutting Torch
- Level
- Scribe or Chalk
- Welder or Drill
- ½" End Wrench
- 2 size ¾" Wrenches or Crescent Wrenches

**Bolts, lock washers and nuts for mounting are not supplied**

## Assembly Breakdown




| Number | Part Number | Quantity Systems 18"-36" | Quantity Systems 42"-60" | Description |
|---|---|---|---|---|
| 1 | CP-EC-M"XXX"A | 1 | 1 | Mainframe |
| 2 | CP-MR-"XX" | 1 | 1 | Blade |
| 3 | CP-EC-P4548A | 1 | -- | Mounting Plate - Single Tensioner |
| 4 | CP-EC-P2520 | 2 | 2 | Flange Bearing |
| 5 | CP-EC-P1820A | 1 | -- | Locking Collar |
| 6 | CP-EC-P4573A | 1 | 2 | Mounting Plate |
| 7 | CP-EC-P2040A | 1 | 2 | Tension Arm |
| 8 | CP-EC-P1040 | 1 | 2 | Die Spring |
| 9 | CP-EC-P6314A | 1 | 2 | Bolt Pivot |
| 10 | CP-AR-275 | 2 | 2 | Safety Snap Pin 5/16" X 2-1/2" |
| 11 | CP-AR-5125S | 3 | 4 | Set Screw 1/2"-13UNC X 1-1/4" Long SS |
| 12 | BOLT-0.5-13X8.0FT-ZINC | 1 | 2 | Hex Tap Bolt 1/2"-13UNC 8" Long Zinc |
| 13 | NUT-004 | 2 | 4 | Hex Nut 1/2"-13UNC |

**Note:**
This Eraser PQ Primary Belt Cleaning System is designed to be used on conveyor pulleys of 8″ in diameter and larger. Using this system on a pulley smaller than the recommended size stated above will not provide proper cleaning of your conveyor system.

## Step One: Calculations

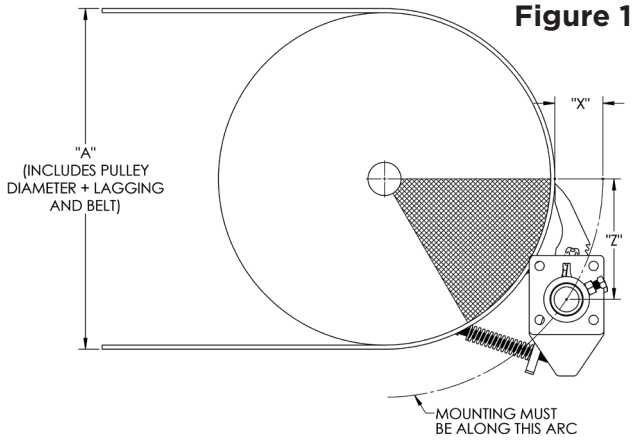
***NOTE: Shaded areas in Figures 1 and 1a represent acceptable mounting location***

**Dimension Table**

| Outside Diameter* | X | Z |
|---|---|---|
| 8″ - 9″ | 4″ | 7 1/4″ |
| 10″ - 11″ | 3 3/4″ | 7 1/4″ |
| 12″ - 13″ | 3 1/2″ | 7 1/4″ |
| 14″ & Larger | 3 1/4″ | 7 1/4″ |

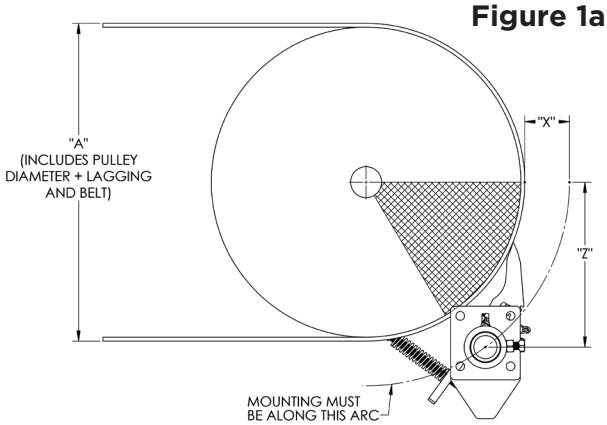
* Includes lagging and belt thickness

**Figure 1**




***NOTE: Z dimension shown at 7 1/4″.***

**Figure 1a**

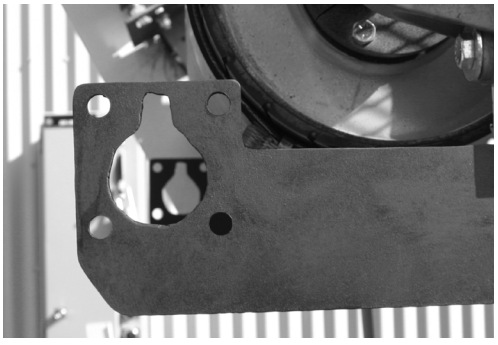



***NOTE: Z dimension shown at 12″.***

## Step Two: Layout & Mounting

A. Using the center point found above and with the mounting plate as a template, trace bolt holes and mainframe hole onto mounting structure. Using a cutting torch, cut holes in plate.

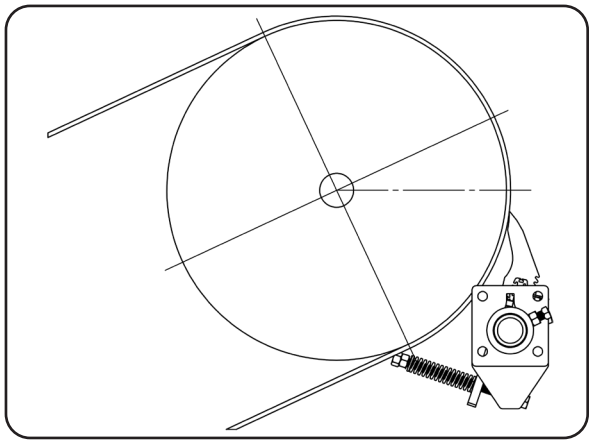
B. Bolt both mounting plates to the structure. When mounting a single tensioner system, place the tensioner side where it will be the most accessible.



**Step 2-A**

**Mounting Continued on Next Page**

***Inclined belt mounting position***



***ATTENTION: Tip of blade is below horizontal axis.***

# Installation

### Step Three: Mounting, cont.

C. Slide the mainframe through the mounting plates and structure so that it is centered on the belt. Install the blade onto the mainframe using the supplied pins and center the blade on the belt.

D. Place the red bushings into the mounting plates with the flange on the outside of the plate.

**Step 2-C**

E. If you are using a single-tensioning system, secure the locking collar on the non-tensioning side, making sure to place it up against the bushing.

F. Slide tensioner arm onto the mainframe, with arm facing down and to the right, placing it up against the bushing.

G. Put the adjustment bolt through the bolt pivot, passing it through the oval hole in the mounting plate and through the tensioning arm. The bolt pivot should seat into the radius on the mounting plate.

**Step 2-D**

**Step 2-F**

### Step Four: Tensioning

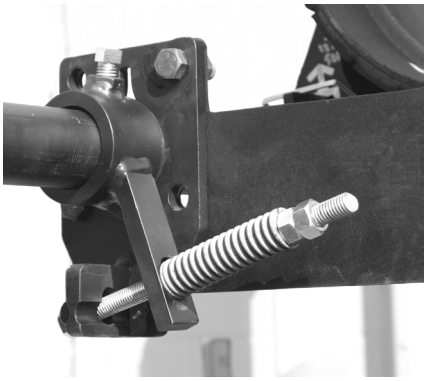
A. Slide the spring onto the adjustment bolt and then add the adjustment nut. Thread the nut on until the back of it is flush with the end of the bolt.

B. While making sure the blade is contacting the belt, rotate the tensioning arm, forcing the spring up against the nut. Secure it by tightening the two set screws.

C. Thread the adjustment nut onto the bolt so that there is 1½" of thread showing between the nut and the end of the bolt.

D. Fasten the jam nut firmly against the adjustment nut.

E. Adjust the nut as needed throughout the life of the blade.



**Step 4-D**

**Installation is now complete.**

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