

# ERASER DS™

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## Reversing Conveyor Belt Cleaning System



**ARGONICS**  
ENGINEERED POLYURETHANE

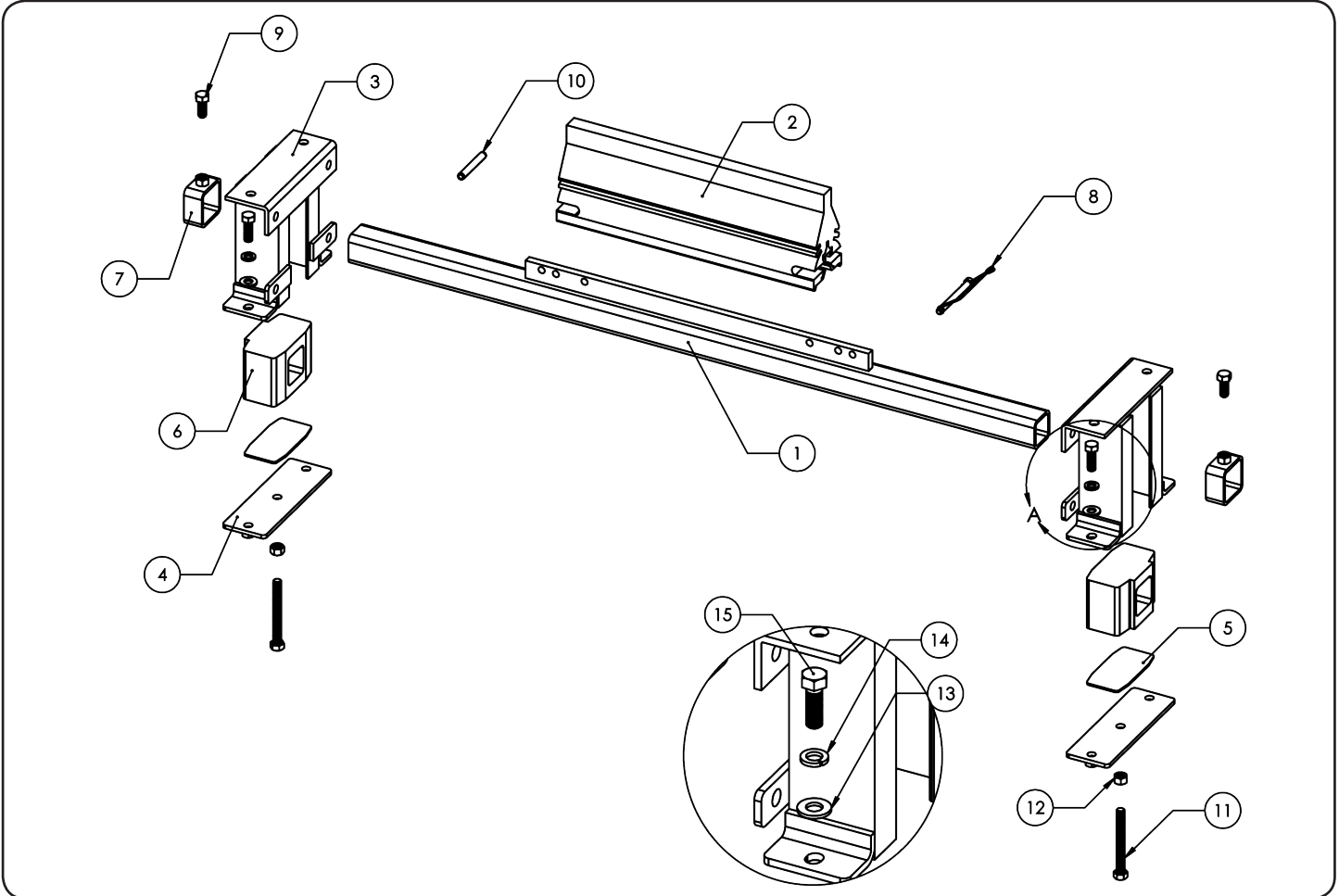
## ⚠️ WARNING

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 or Hole Saw (3½")
- Level
- Scribe or Chalk
- Welder or Drill
- ½" End Wrench
- 1⅛" End Wrench, Socket or Crescent
- Straight Edge

### Assembly Breakdown



Number	Part Number	Quantity	Description
1	CP-DS-"XX"N-P	1	Mainframe
2	CP-XT-"XX"-G83	1	AccuFlo XTC Blade
3	CS-DS-54A-P	2	Mounting Bracket
4	CP-DS-54B-P	2	Bottom Mounting Bracket
5	CP-DS-54C-P	2	Base Plate
6	CP-DS-3550-B93	2	Mainframe Bushing
7	CP-DS-LC25-P	2	Locking Collar
8	CP-ESC-3835	1	Safety Snap Pin 3/8" x 3-1/2"
9	CP-AR-5125S	2	Set Screw 1/2"-13UNC x 1-1/4" Long SS
10	CP-AR-305	1	Spring Pin 7/16" x 3" Long
11	BOLT-0.5-13X4.5FT-ZINC	2	Hex Bolt 1-2"-13UNC x 4-1/2" Long Zinc
12	NUT-004	2	Hex Nut 1/2"-13UNC, Grade 8
13	WASH-0.50-F-ZINC	4	1/2" Flat Washer Zinc
14	WASH-0.50-L-ZINC	4	1/2" Locking Washer Zinc
15	BOLT-0.5X1.5-NC-ZINC	2	Hex Bolt 1-2"-13UNC x 1-1/2" Long Zinc

# INSTALLATION

## Step One: Layout

Place a straight edge or level perpendicular to the belt by using a square across the width of the belt. Where the belt leaves the head pulley (L1), make a mark on each side of the mounting structure wall. Repeat this process within the 16" maximum mounting area shown in below. This will be your L2 mark. Now measure perpendicular to the belt  $1\frac{1}{4}$ " (B) down from your marks and scribe a line between these two points. **This line should be parallel to the belt and  $1\frac{1}{4} \pm \frac{1}{4}$ " down.** Make sure that both sides of the mounting structure wall are marked exactly the same.

The DS system can be mounted anywhere along this line, although closer to the head pulley is preferred. The ideal location is to have the edge of the mounting frame directly below and perpendicular to the pulley shafts center as shown in Figure 2. If no structure is available at this location, a mounting plate will need to be added.

## Step Two: Mounting

The mounting frames are designed to be welded or bolted into position. Using a mounting frame as a template, line up the upper right hand corner of the frame with the bisected lines on the mounting structure wall from Step 1 above.

1. Trace the inside perimeter and the entire outside perimeter of the mounting frame onto the mounting structure wall. Also, transfer the bolt hole pattern if you intend to bolt the system into place rather than weld. Repeat this process for the other side of the mounting structure. **NOTE: Both sides must be equal and perpendicular to the belt.**
2. Cut the center of the frame approximately  $\frac{1}{2}$ " larger than the trace which was scribed on each side of the mounting structure. **NOTE: For Bolt-In Only - Using the traces that you scribed for the mounting holes, drill four  $\frac{5}{8}$ " diameter holes to accept  $\frac{1}{2}$ " diameter grade 8 bolts.** Place the mounting frame onto the outside of the mounting structure wall. Use the scribed perimeter lines to line up the frame and then weld or bolt it into place. If welding, eight stitch welds is sufficient on the corners of the mounting frame. Some powder coat should be ground away for better weld.

If sufficient framework or chute walls are not available for mounting, a mounting plate will need to be bolted or welded into place. Follow the above directions for mounting frames.

## Step Three: Tensioning

*Make sure the blade is off of the mainframe and the mainframe bushings are on.*

1. Slide mainframe/mainframe bushings up into the mounting brackets from underneath the conveyor.
2. Install both base plates into the mounting brackets and then secure the bottom mounting brackets using the necessary hardware.
3. Secure blade onto mainframe using the supplied snap pin.
4. Center blade onto belt.
5. Slide locking collars onto the mainframe from each end (they will be resting against the mainframe bushings) and tighten set screws.
6. Set appropriate tension on belt by adjusting the bolts on the mounting brackets.

Figure 1

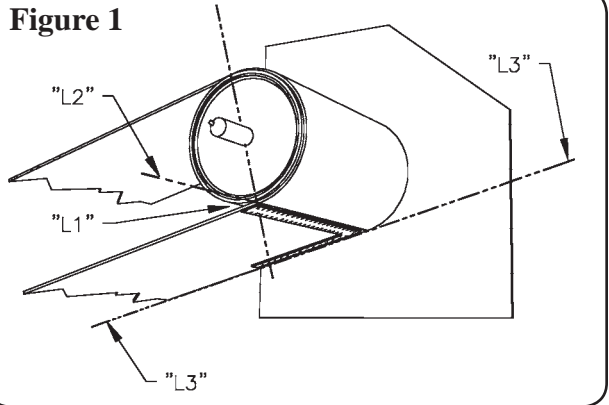
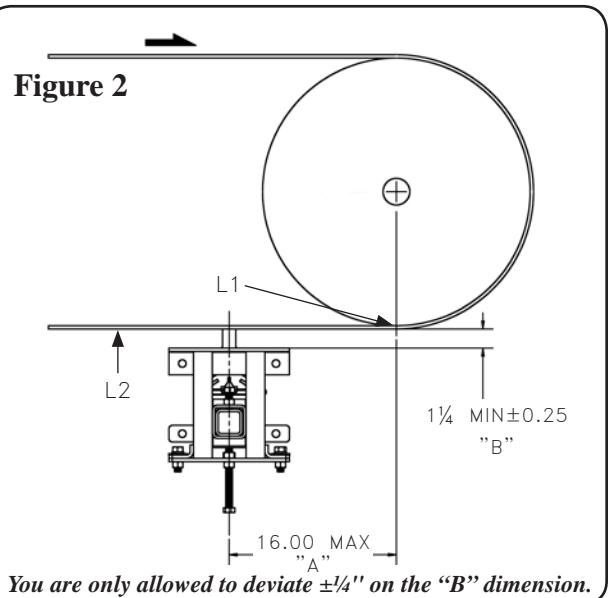


Figure 2



Installation is now complete.

# Other Quality Products From Argonics

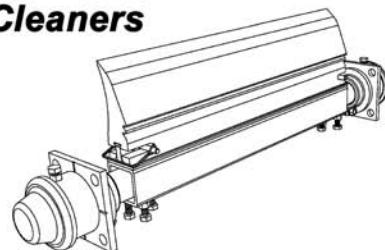
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## **⚠ WARNING ⚠**

Conveyor belt manufacturers do not recommend metal edged blades for cleaning any conveyor belt surfaces. Argonics concurs with this statement. However, due to demand and as a service to our customers, we do provide metal edged blades. Argonics offers no warranty or guarantee, nor accepts any liability with the use of a metal tipped blade on your belt.

**Use at your own risk as severe belt damage can occur.**