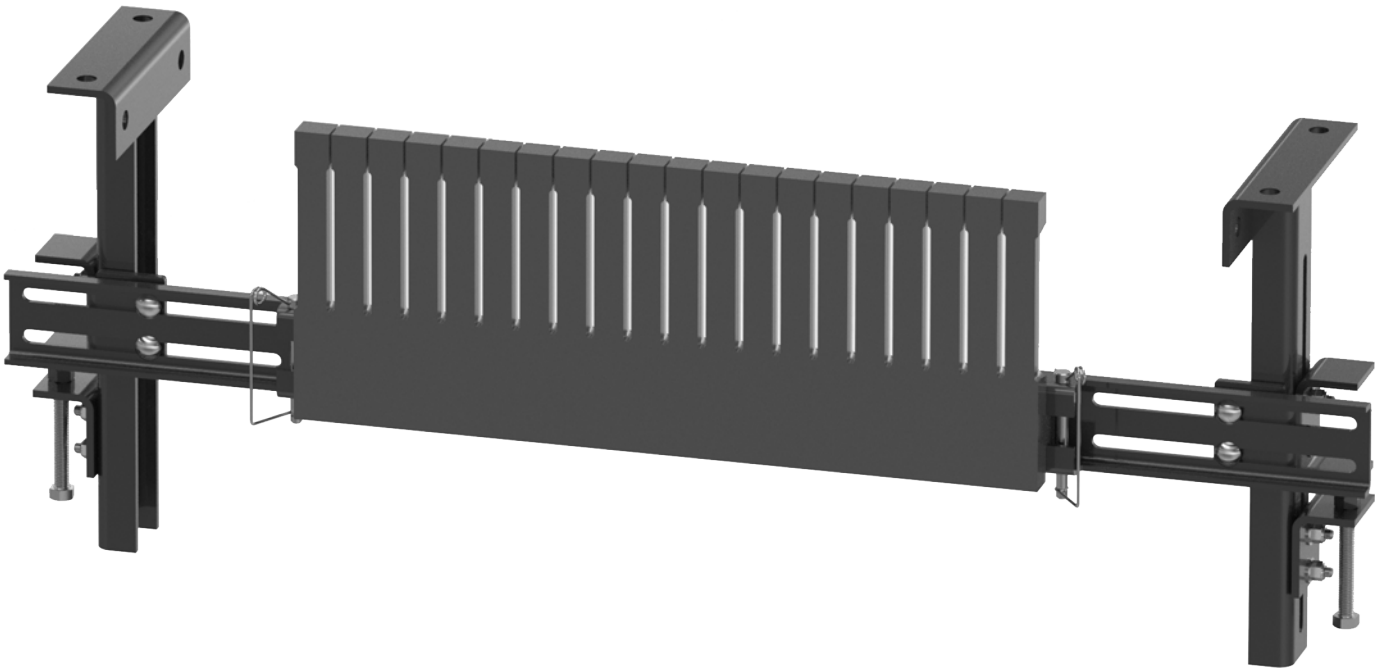
Installation Guide

ARGONICS ENGINEERED POLYURETHANE

CHEVRON CLEANER

Conveyor Belt Cleaning System



PERFORMANCE SOLUTIONS! PROVEN

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

CHEVRON CLEANER

⚠WARNING

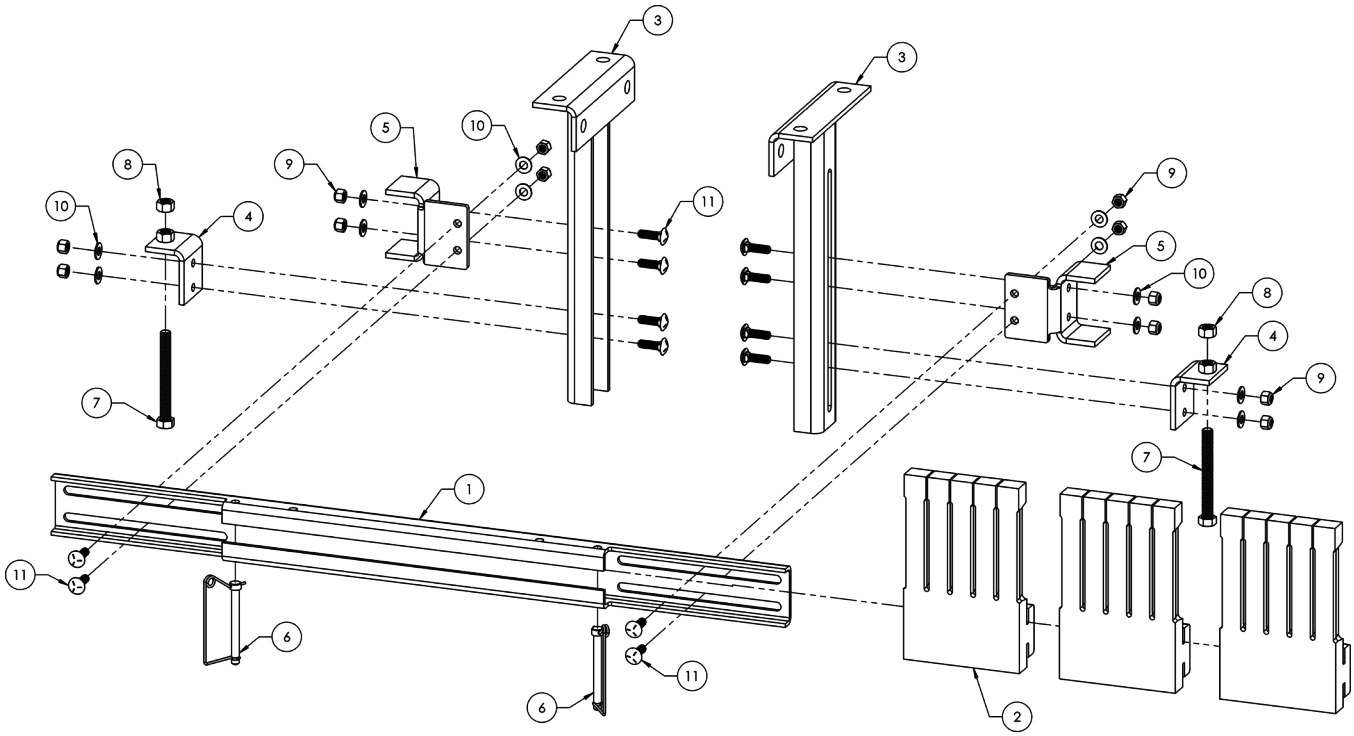
Always obey all applicable safety rules.
Be sure all power to the conveyor has been disconnected and controls are locked out.

Installation Tools Required

- Tape measure
- 9/16" Wrench
- Scribe or Chalk
- 3/4" Socket & Ratchet
- 3/4" Wrench
- Welder or Drill with 3/4" Bit

Bolts, lock washers and nuts for mounting are not supplied

Assembly Breakdown



Number	Part Number	Quantity	Description
1	CP-CBC-M"XX"	1	MAINFRAME, CHEVRON BELT CLEANER
2	CP-CBC-5600-G83	varies	BLADE, CBC, 5-FINGER, 6.0" TALL
3	CP-CBC-816	2	MOUNTING BRACKET
4	CP-CBC-233	2	ADJUSTMENT SCREW BRACKET
5	CP-CBC-234	2	MAINFRAME CARRIAGE BRACKET
6	CP-ESC-3855	2	SAFETY SNAP PIN, 3/8" X 3.5" LONG
7	BOLT-0.5-13X4.5FT-ZINC	2	HEX BOLT, 1/2"-13 X 4.5" LONG
8	NUT-004	2	NUT, 1/2"-13
9	NUT-013	12	NYLON LOCK-NUT, 3/8"-16
10	WASH-0.38-F-SAE-ZINC	12	FLAT WASHER, 3/8"
11	BOLT-CR-0.38X125NC	12	CARRIAGE BOLT, 3/8"-16 X 1.25" LONG

Step 1: Set Up

Determine the correct mounting location for the system. The system can either mounted directly to the structure OR mounted to an auxiliary feature such as a headbox or steel plate welded to the conveyor structure. The Mounting Brackets may be secured using the holes on the top (Figure 1) or sides (Figure 2) of the bracket.

The system should be located so that the tips of the blade fingers touch the belt just behind the center point of the head pulley. See Figure 3.

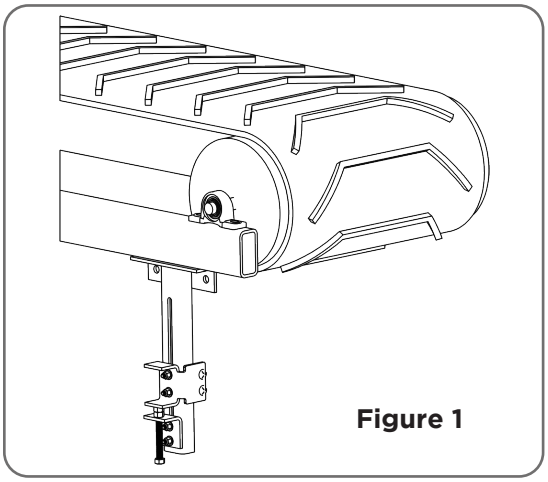


Figure 1

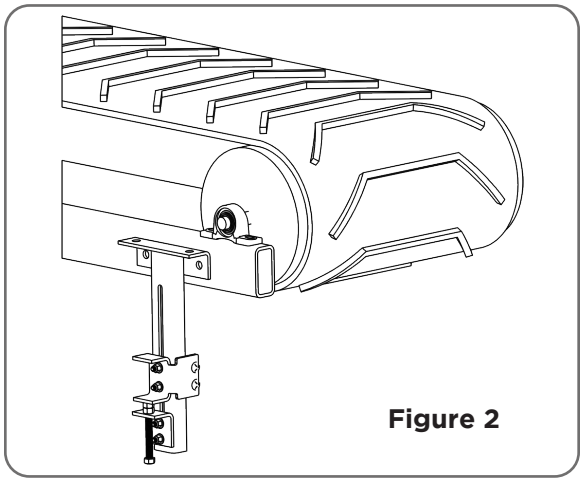


Figure 2

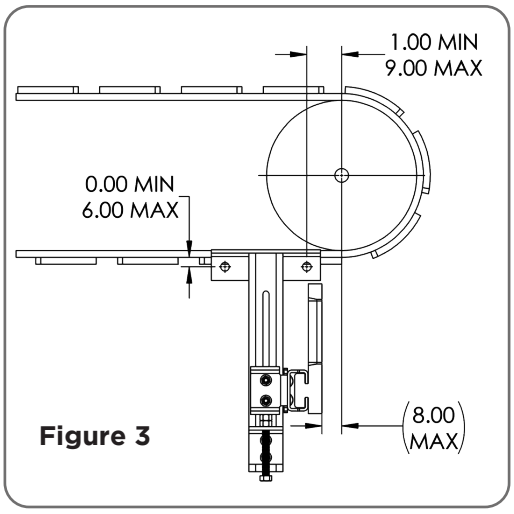


Figure 3

Installation

Step 2:

Once the location of the Mounting Brackets is determined, they can be secured to the conveyor structure.

If bolting use 5/8" hardware (not provided) through the mounting holes in the Mounting Brackets.

Make sure to install the Mounting Bracket Assemblies on the correct sides such that the face of the Mainframe Carriage Bracket is towards the head pulley.

Step 3:

Next attach the Mainframe with the Finger Blades to the Mounting Bracket Assemblies using the carriage bolts through the slots in the Mainframe.

Adjust the mainframe so that the Finger Blades are centered below the belt.

Step 4:

While keeping the hardware on the Mounting Bracket Assemblies loose, slide the mainframe up so that the tips of the finger blades are just below the surface of the belt.

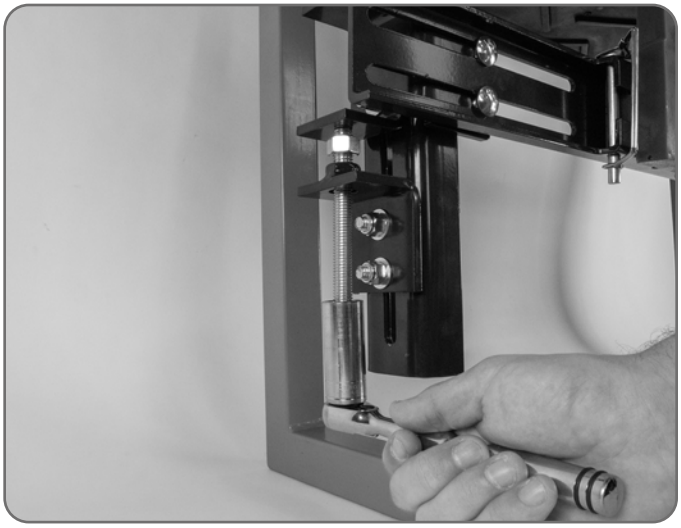
Then slide the Adjustment Screw Brackets up against the Mainframe Carriage Brackets. (This may require partially unscrewing the Adjustment Screw to get it close.)

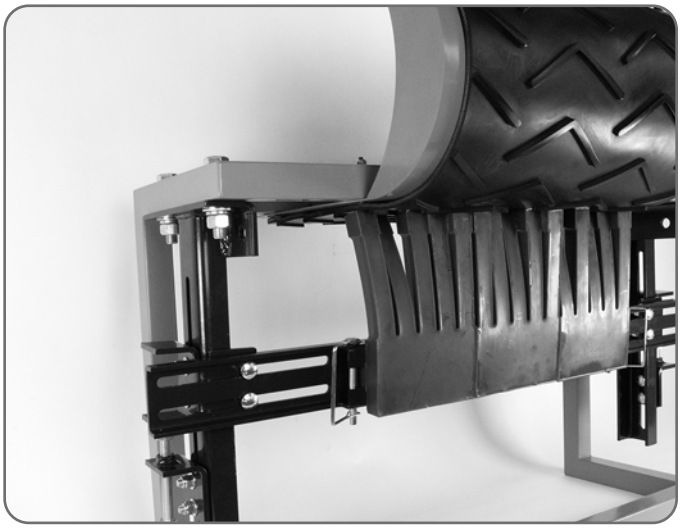
Now lock the Adjustment Screw Brackets in place by tightening the (2) nuts on each of them.

Step 5:

Use the Adjustment Screws to lift and level the Mainframe forcing the tips of the Blade Fingers against the surface of the belt so that there is approximately 1/2" of finger deflection.

The optimal amount of pressure against the belt is dependent on the material being conveyed. (More sticky material may require more contact pressure.)





Step 6:

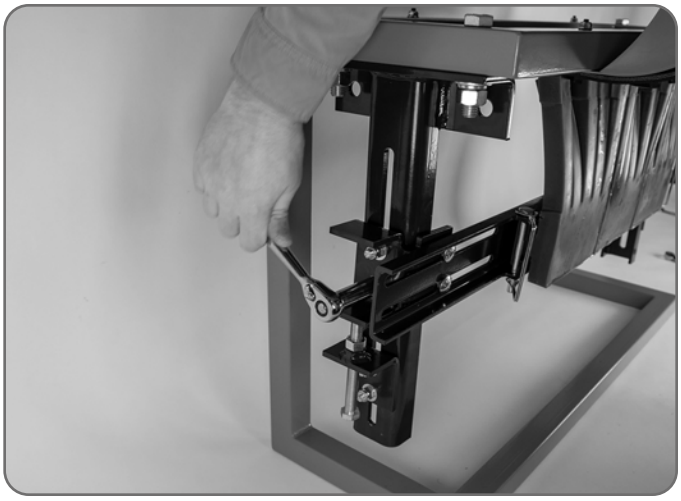
Tighten the nut on the Adjustment Screw down against the bracket to lock it in position.

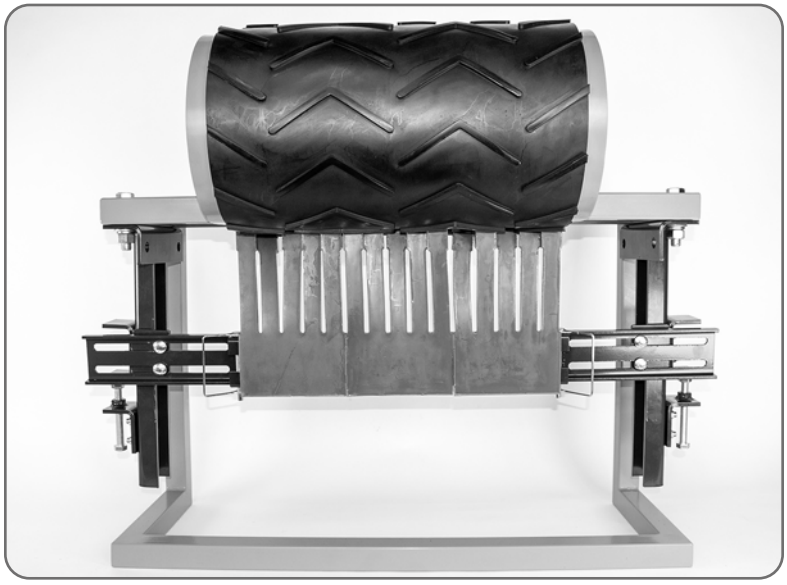
Installation

Step 7:

With the Mainframe leveled and adjusted, fully tighten down all the hardware on the Mainframe Carriage Bracket to fix the system in position.

The installation is now complete!





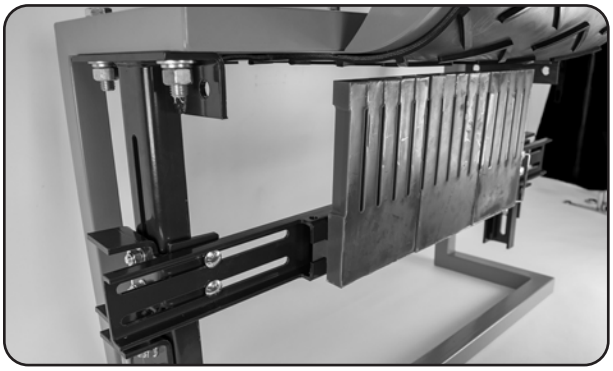
Adjustment

As the Blade Fingers wear it may be necessary to adjust the system up further against the belt. Simply loosen the nuts on the Mainframe Carriage Brackets and use the Adjustment Screw to force the system up until the optimal contact force is achieved, then re-tighten all the hardware.

Blade Replacement

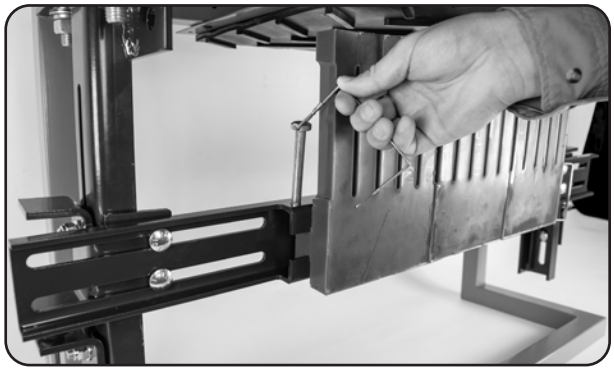
Step 1

Loosen the adjustment screw and hardware on the Mainframe Carriage Brackets to lower the cleaner down away from the belt.



Step 2

Remove either of the Blade Retaining Pins from the Mainframe and slide the worn Blade Finger Sections out the end of the channel in the Mainframe.

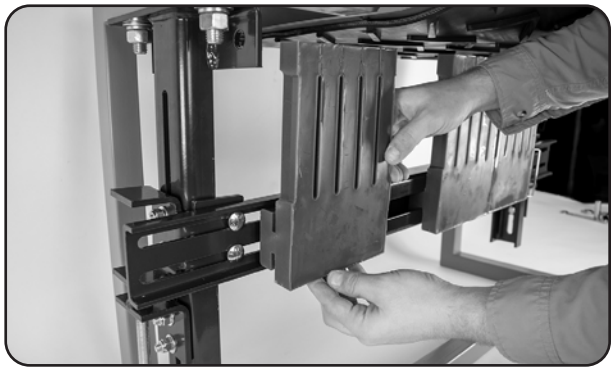


Step 3

Slide the new Blade Finger Sections into the Mainframe and replace the Blade Retaining Pins.

Step 4

Repeat installation steps 4-7 to move the cleaner back into place and adjust the blade tension.



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THE MOST RELIABLE AND COST-EFFECTIVE SKIRTING AVAILABLE

MADE WITH KRYPTANE® POLYURETHANE

Argonics formulates unique proprietary Kryptane polyurethane materials tailored to meet the demands of your wear application, whether it be sliding or impact abrasion, sticking or corrosion.

BENEFITS OF ARGONICS POLYURETHANE SKIRTING:

- 6 - 10 times the wear life over rubber
- 60% lower coefficient of friction compared to rubber, which reduces drag on conveyor motor
- Will not groove your conveyor belt when installed correctly

DUO SEAL™

Engineered from 100% urethane, Duo Seal seamlessly integrates with most manufacturers' clamping systems, including our proprietary Wedge-Loc clamp.

The Duo Seal is designed with a flexible secondary seal that aligns perfectly with the belt, effectively containing dust and material. Its streamlined, compact design minimizes the amount of belt space needed outside the conveyor for installation.

SNAP-LOC™ DUST SEAL

Snap-Loc is the gold standard for dust containment skirting. This straight-forward, no-nonsense design for dust control snaps into standard unistrut railing that can be bolted or welded into place.

Snap-Loc Dust Seal is engineered to create a perfect seal that follows the contours and low spots of the belt between trough rollers. No additional adjustments are needed for the life of the seal, saving you in both cost and hours of maintenance.

LOAD ZONE CONTAINMENT SKIRTING

Designed to do one thing and do it well: contain material at the transfer points on your belt line. The extra-rugged reinforced design with ¼" steel means that our Containment Skirting is extremely effective in reducing spillage, resulting in reduced clean-up labor.

Containment skirting is available with either a flat or 20° beveled edge, and in 60" and 96" lengths. Varying heights and thicknesses available.

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