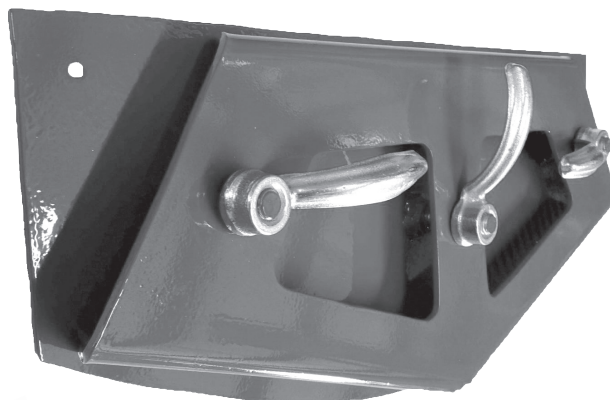


IT'S THE YEAR OF
INNOVATION
AT AMERICAN EAGLE
MANUFACTURING



PATENT PENDING



OMEGA SEAL & CLAMP

INSTRUCTION MANUAL

American Eagle Manufacturing LLC
866 713 8985
252 633 0603
1211 Aviation Drive
New Bern, North Carolina 28562
AmericanEagleManufacturing.com

DISCLAIMER/SAFETY

1.1 Disclaimer American Eagle Manufacturing LLC disclaims any liability for improper use or application of this product not in compliance with instructions and specifications contained herein or for any damages due to contamination of material as a result of users failure to maintain and inspect equipment. Liability shall be limited to the repair or replacement of AEM Equipment shown to be defective by cause of manufacturing.

1.2 Safety Adhere to all safety rules defined by government (OSHA/MSHA) 1910.147, owner/employer and site specific safety rules.

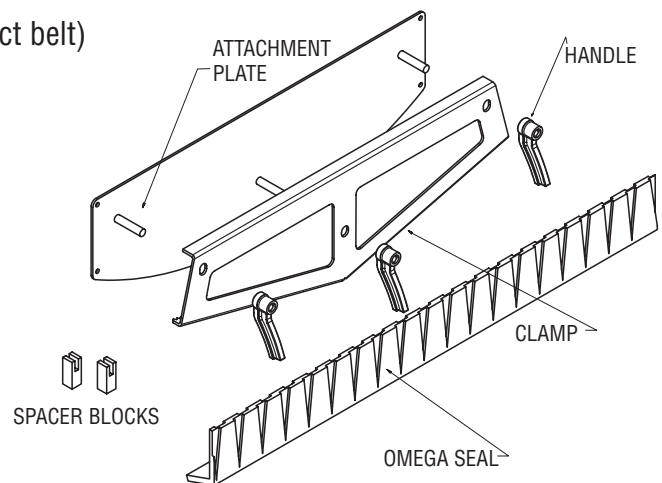
- DANGER -

Lockout/Tagout procedures must be followed before any maintenance, service, repair, or installation of equipment begins on the conveyor. Failure to follow all safety rules can result in injury or death.



TOOLS REQUIRED

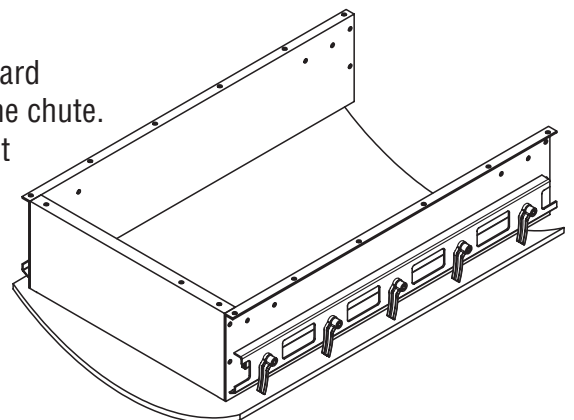
- Cutting Torch
- Welding Equipment
- Grinder
- Fire Extinguisher
- Welding Blanket (to protect belt)
- Tape Measure
- Marker/Chalk
- Silicone Caulk***



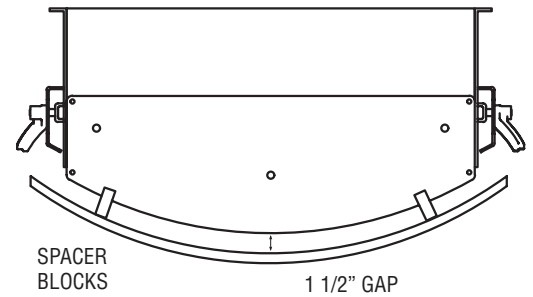
INSTRUCTIONS

SAFETY FIRST! Make available a fire extinguisher and a welding blanket to protect belt.

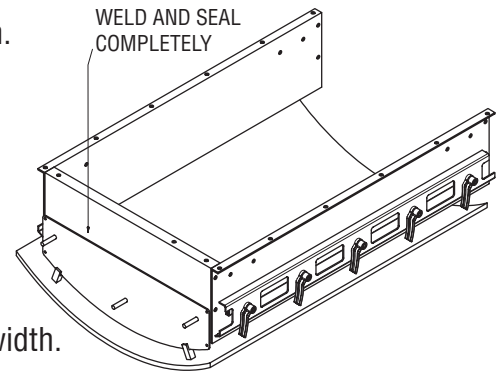
STEP 1: Before beginning, prep the tail area. Take all old skirtboard off the loadzone. Clean any obstructions off the tail of the chute. Before using any type of torch or grinder protect the belt with a heat blanket or an old piece of belt. Wet down both the outside and inside of the chute.



STEP 2: After rear is clean and prepped, take the Attachment Plate with the 2 spacer blocks provided and place on belt up against the rear wall of conveyor. Move the spacer blocks to position height of Attachment Plate so there is a minimum of 1 1/2" clearance and a maximum of 3 1/2" clearance. Make sure the Attachment plate is centered on the chute wall. (This is to ensure clearance for the seal lip to go inside chute.)



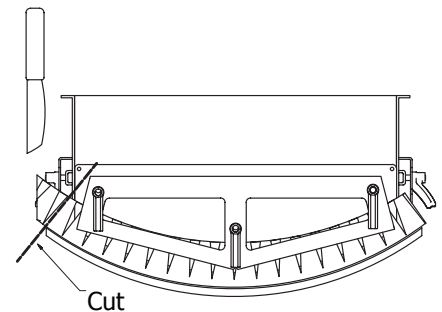
STEP 3: Mark top and sides of the attachment plate to ensure location. Then weld attachment plate to back of chute wall. You can either spot weld on top and both sides or completely weld. Make sure if you spot weld there is no gap anywhere around the plate for dust to escape. If so, use a silicone caulk gun and fill any voids.



NOTE: If plate is wider than the chute you will need to trim both sides of mounting plate evenly to accommodate chute width.

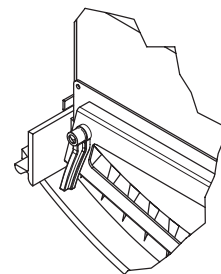
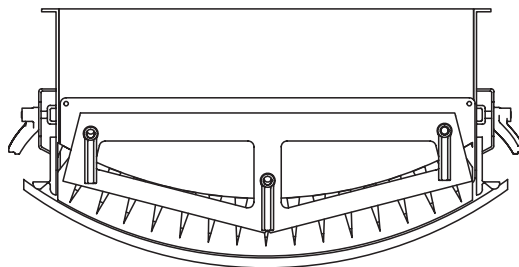
STEP 4: CLEAN AREA AND REMOVE BLANKET

Lay omega seal up to attachment plate and attach Clamp. This is a pre-trim before final trim. **DO NOT TRIM SHORT.** Press seal firmly down to belt with about 2 to 3" past chute wall on one side and clamp down. Then pre-trim the opposite to have 2 to 3" past chute wall.



STEP 5: This is a crucial point on what will be best to integrate the skirtboard with the omega seal. There are two options:

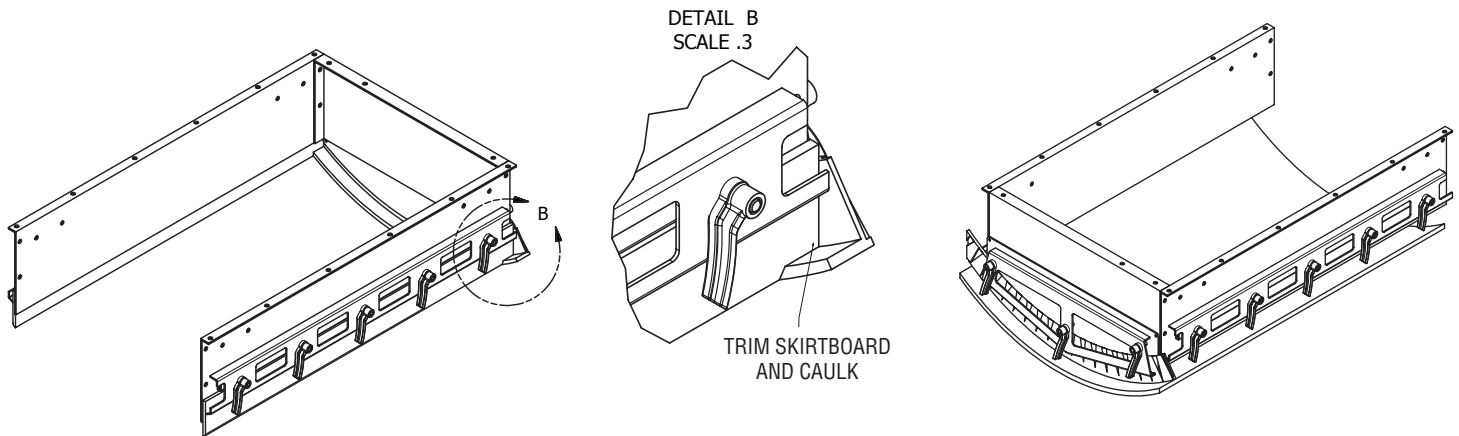
OPTION 1. First install new skirtboard on loadzone and extend the skirtboard 2" past the tail chute on both sides. Then trim the omega seal to fit snug between the skirtboard and the belt. The final step is to silicone caulk the two corners where the skirt board and Omega Seal meet. This forms a clot and completely seals the corners.



DETAIL A
SCALE 1 / 5

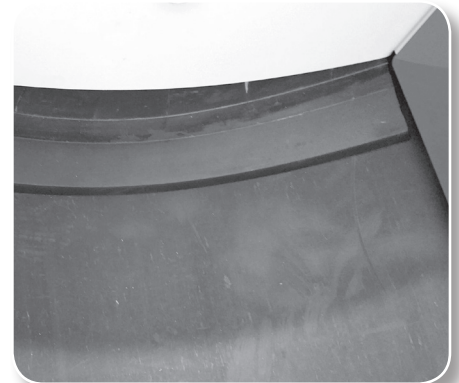
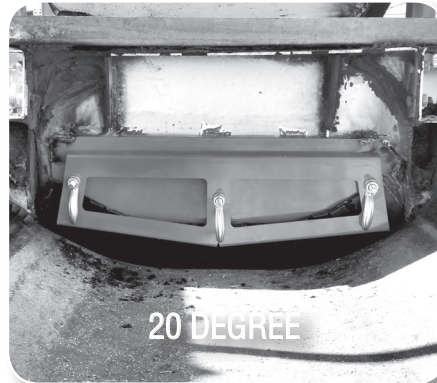
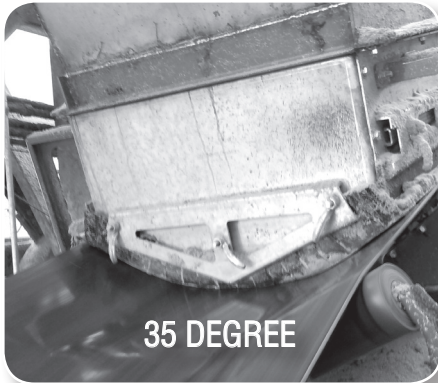
NOTE: We recommend option one when possible

OPTION 2. Leave the Omega seal extended on both sides of the chute and butt the side skirtboard to the Omega seal. You will have to trim the skirtboard on both sides to conform to the tail seal lip. Once this is done take Silicone caulk and seal the corners and the area where skirtboard is laying on Omega seal lip.



NOTE: Option two is recommended when skirtboard is of the type that lays inside the chute.

After installation is complete make sure there are no gaps between the belt and the omega seal. Any voids between the chute wall and the omega seal should be caulked or sealed.



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