FIXED LUG MOUNT

RGS-SCP-GSS-SC MODELS

[INSTALLATION INSTRUCTIONS]

THE TOOLS & RESOURCES REQUIRED ARE:

1. TAPE MEASURE
2. SQUARE
3. CUTTING TORCH
4. LEVEL
5. ADJUSTABLE WRENCH
6. WELDING EQUIPMENT
7. CHALK
8. 4 – ½" MOUNTING BOLTS

SHUT DOWN AND LOCKOUT CONVEYOR BEFORE PERFORMING ANY MAINTENANCE

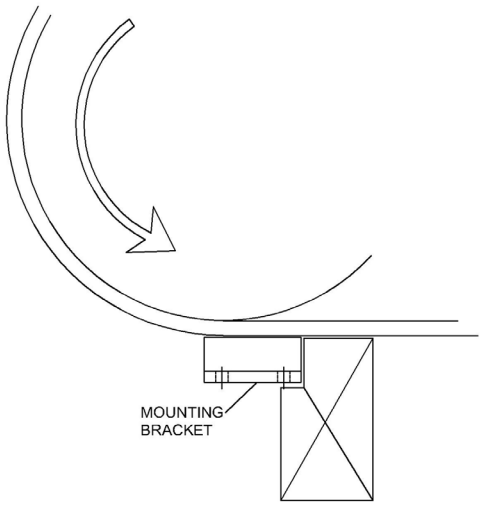

FIG 1

STEP 1

Locate approximate mounting location and ensure blade will contact the belt approximately 3"-4" from the point where the belt leaves the pulley. Measure the cleaner on-site or refer to assembly drawing and prepare cutouts on both sides of chute. The size of these cutouts may be limited due to construction of conveyor frame and/or chute. It is preferred that the opening be large enough to slide the blade-frame assembly through the cut out and still allow for adjustment during final setup. If mounting brackets are required, they are to be designed and fabricated by the installer based on application requirements. The bracket location should be marked on both sides of conveyor structure (chute, ect). The bracket MUST be parallel to the conveyor belt line. (Fig 1). Tack weld or loosely bolt bracket in place.

STEP 2
Attach the spindle to the prepared bracket (supplied by installer – if required, Step 1) on one side of the conveyor. Bolt spindle to bracket one side only using minimum size ½" bolts (supplied by installer). (Fig 2)

STEP 3
Attach one of the lug mounts to one of the spindles to make an assembly.

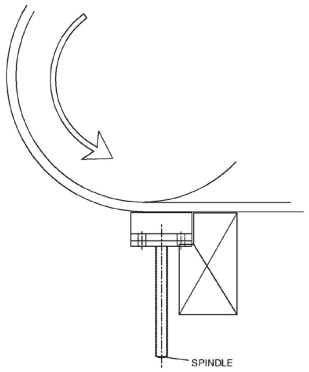

FIG 2

STEP 4
Insert the Blade and Frame assembly into the Lug Mount/Spindle assembly mounted to the conveyor structure. Attach the second Lug Mount to the second Spindle to make a second assembly. Then, slide the second assembly onto the opposite end of the Frame and lift the Cleaner (which now includes the second Lug Mount/Spindle assembly) and bolt second lug-spindle assembly to the installer supplied bracket with minimum size ½" bolts (supplied by installer).

STEP 5
If using an RGS, SCP, GSS, or SC style cleaner, rotate the frame so that the blade is in a perpendicular position to the belt. Tighten the setscrews on the Lug Mount to prevent the frame from rotating any further. Complete welding or tightening of bolts on installer supplied brackets.

STEP 6
Adjust the upper and lower jam nuts on each spindle until the blade touches the belt. Now ensure the upper jam nut is loose and adjust the lower Jam Nut upward until the blade make full contact with the belt surface and you see no gaps between the blade and belt.

STEP 7
Check the location of the blade in relation to the width of the belt. Your blade should be centrally located along the width. If it is not, loosen the setscrews on the Lug Mount and slide Frame sideways as needed.

STEP 8

To apply tension to the blade, loosen the upper jam nut to allow the lug to move freely up and down. Now rotate the lower jam nut to move the lug and blade assembly up against the belt. Ensure the blade makes full contact with the belt surface and you see no gaps between the blade and belt. If you run out of adjustment on the spindle, then you may need to relocate or redesign your mounting bracket and restart from step one.

RECOMMENDED BLADE POSITION

CHECKLIST

1) Spindles are installed at 90° to the belt surface.
2) The Scraper Unit is parallel to the belt.
3) The Tip of the blade is approximately 3”-4” from the point where the belt leaves the pulley.
4) In Installations where there is no snub drum, the first return roller should be installed approximately 40” from the center of the head drum. This will ensure that the belt is sufficiently supported.

START-UP OF THE BELT

1) Unlock the conveyor.
2) Perform a test run of the belt (with and without material).
    a. Check the belt tracking.
    b. Installation is complete.

Note: If cleaning efficiency is not being achieved adjust spindle jam nuts to raise the frame assembly until correct cleaning efficiency is achieved.

If there are any questions or comments, please contact Arch at 1.800.553.4567.

THANK YOU FOR USING ARCH PRODUCTS!