INSTALLATION INSTRUCTIONS

FOR

DUAL INLET C-FAN
13" ENTRANCE COLLAR, 692C-001A
&
13" TRANSITION, 692E-001A
### Parts List-Transition

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>692-030P</td>
<td>Transition Bottom (Large Section) 13&quot;</td>
</tr>
<tr>
<td>692-031P</td>
<td>Transition Bottom, Narrow Section, 13&quot;</td>
</tr>
<tr>
<td>692-042P</td>
<td>Transition Side, LH (13&quot;)</td>
</tr>
<tr>
<td>692-041P</td>
<td>Transition Side, RH (13&quot;)</td>
</tr>
<tr>
<td>692-040P</td>
<td>Transition Top (Upper Section) 13&quot;</td>
</tr>
<tr>
<td>692-043P</td>
<td>Transition Top (Lower Section) 13&quot;</td>
</tr>
<tr>
<td>F-1009-01</td>
<td>1/4&quot; Flat Washer</td>
</tr>
<tr>
<td>F-1019-01</td>
<td>1/4&quot; LockWasher</td>
</tr>
<tr>
<td>F-1858</td>
<td>1/4-20 &quot;U&quot;-Nut</td>
</tr>
<tr>
<td>565-022P</td>
<td>Transition Lid</td>
</tr>
<tr>
<td>565-027P</td>
<td>Transition Flange</td>
</tr>
<tr>
<td>H-2252</td>
<td>Handle</td>
</tr>
<tr>
<td>565-030P</td>
<td>Damper Flange</td>
</tr>
<tr>
<td>565-038P</td>
<td>Counterweight</td>
</tr>
<tr>
<td>565-033P</td>
<td>Damper Counter Weight</td>
</tr>
<tr>
<td>F-1007-22</td>
<td>5/16-18 X 3/8&quot; SETSCREW</td>
</tr>
<tr>
<td>692-049W</td>
<td>Damper Door Weldment, 13&quot;</td>
</tr>
<tr>
<td>F-1015-15</td>
<td>5/16-18 x 1&quot; Capscrew</td>
</tr>
<tr>
<td>F-1009-02</td>
<td>5/16&quot; Flat Washer</td>
</tr>
<tr>
<td>F-1011-02</td>
<td>5/16-18 Nut</td>
</tr>
<tr>
<td>F-1019-02</td>
<td>5/16&quot; LockWasher</td>
</tr>
<tr>
<td>F-1015-03</td>
<td>1/4-20 x 3/4&quot; Capscrew</td>
</tr>
<tr>
<td>692-054P</td>
<td>Counterweight Stop</td>
</tr>
<tr>
<td>H-2324</td>
<td>Grip</td>
</tr>
<tr>
<td>692-053P</td>
<td>Mounting Strip</td>
</tr>
</tbody>
</table>

### Parts List For Entrance Collar

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>692-025P</td>
<td>Entrance Collar, Top &amp; Bottom, 13&quot;</td>
</tr>
<tr>
<td>692-038P</td>
<td>Side Plate, Entrance Collar</td>
</tr>
<tr>
<td>F-1823</td>
<td>Carriage Bolt, 1/4 X 3/4&quot;</td>
</tr>
<tr>
<td>F-1011-01</td>
<td>1/4-20 Plain Nut</td>
</tr>
<tr>
<td>F-1009-01</td>
<td>1/4&quot; Flat Washer</td>
</tr>
<tr>
<td>74-013P</td>
<td>Entrance Collar Clamp</td>
</tr>
<tr>
<td>F-1858</td>
<td>1/4-20 &quot;U&quot;-Nut</td>
</tr>
<tr>
<td>F-1015-03</td>
<td>1/4 x 3/4&quot; Capscrew</td>
</tr>
<tr>
<td>692-045P</td>
<td>Entrance Collar Fitting Band</td>
</tr>
<tr>
<td>692-039P</td>
<td>Entrance Collar Support: 12 7/8&quot;</td>
</tr>
<tr>
<td>F-1019-01</td>
<td>1/4&quot; LockWasher</td>
</tr>
<tr>
<td>F-1015-02</td>
<td>1/4-20 x 5/8&quot; Capscrew</td>
</tr>
</tbody>
</table>
INSTALLATION

⚠️ CAUTION
METAL EDGES ARE SHARP AND CAN CAUSE INJURY. USE PROTECTIVE CLOTHING WHEN HANDLING AND WORKING AROUND THIS EQUIPMENT.

The 13" Entrance Collar, 692C-001A and 13" Transition 692E-001A allow the heated air from the fan and burner to enter the chamber beneath the perforated floor (plenum). With balanced temperatures in the plenum, efficient and quality grain drying will occur. This Entrance Collar and Transition are designed to give an optimum temperature gradient in the plenum and eliminate severe hot and cold spots.

ENTRANCE COLLAR

See Installation Instructions on pages 4-7 for recommended fan/burner positioning and layouts for single and multiple fans on following pages.

Cut a hole in the side of the bin offset over the fan/burner position approximately 13" x 94" wide.
See Page 4 for Offset dimensions.
Note: The above drawing is what we suggest as a Foundation for your new Shivvers Dual Inlet Centrifugal Fan and Heater combination. We also suggest the foundation(s) of the Fan/Heater(s) be tied to the Bin Foundation, with all the foundations extending below the Frost Line.

We leave details about the configuration of the foundations up to the discretion of the Customer and/or his Dealer. Every effort needs to be made to minimize Shifting, Eroding, and Cracks.
MECHANICAL INSTALLATION
Shivvers Circulator 1-Fan Layout

8FT (NOTE OFFSET)
3FT
13FT
5FT

CLEANOUT DOOR
HORIZONTAL UNLOADER
MACHINE MOTOR DISCONNECT SWITCH
BIN ENTRANCE
COMPUDRY COMMAND CENTER/MAIN DISCONNECT (WITH AN UNOBSERVED VIEW OF ENTRANCE)
MECHANICAL INSTALLATION
Shivvers Circulator 2-Fan Layout
(twin sweep)

- IMPORTANT DIMENSION
- 8" TYPICAL
- BIN DIA.

- CLEANOUT DOOR (2)
- HORIZONTAL UNLOADER
- MACHINE MOTOR DISCONNECT SWITCH
- BIN ENTRANCE
- COMPUDRY COMMAND CENTER/MAIN DISCONNECT (WITH AN UNOBSTRUCTED VIEW OF ENTRANCE)

Dimensions:
- 8FT (NOTE OFFSET)
- 13FT
- 3FT
- 5FT
- 60°
- 60° -0 +10
- 8"
MECHANICAL INSTALLATION
Shivvers Circulator 3-Fan Layout
(Twin Sweep)

COMPUDRY
COMMAND CENTER/
MAIN DISCONNECT
(WITH AN UNOBSTRUCTED
VIEW OF ENTRANCE)

MACHINE
MOTOR
DISCONNECT
SWITCH

BIN
ENTRANCE

HORIZONTAL
UNLOAD

CLEANOUT
DOOR (3)

8" TYPICAL

BIN DIA.

8FT (NOTE OFFSET)
5FT

3FT

13FT

60° -0 +10
120°

60° -0 +10

-0 +10

3FT

5FT

7FT

13FT

8FT

120°
From the Transition Parts Sack, 692-055A, find the 692-058A, Bin-Ent Hardware Sack. This will contain all the hardware necessary to secure the Entrance Collar to the Bin.

Position the Entrance Collar in the cut opening. Mark the 5/16" holes on the side of the Entrance Collar in the side of the Bin and drill. Use the 5/16 x 1" bin bolts, washers, and nuts to secure the Collar. (Longer 2 1/2" bolts are also provided if necessary).

NOTE: Use the Silicone Sealant (C-6123) provided to seal completely around the Collar before Tightening the bolts.

Loosen the nuts that hold the Clamps from the Top of the Entrance Collar. Slide the Clamps back and remove the Fitting Band. Form the Fitting Band to the outside curvature of the Bin. Place it on the top of the Entrance Collar so that it seals the crack between the Bin and Collar. Cut off any excess length of the Fitting Band. Mark and drill through the Bin wall 5/16" holes to mount the Band. Use the sealant to seal any air gaps. Slide the Clamps on the top of the Entrance Collar up against the Fitting Band and tighten the nuts to secure the Band in place.
ENTRANCE COLLAR

- F-1015-02 1/4-20 x 5/8" Capscrew
- F-1019-01 1/4" LockWasher
- F-1009-01 1/4" Flat Washer

- F-1011-01 1/4-20 Plain Nut
- F-1019-01 1/4" LockWasher
- F-1009-01 1/4" Flat Washer
- F-1823 Carriage Bolt, 1/4 X 3/4"

- 692-025P Entrance Collar, Top & Bottom, 13"
- 692-038P Side Plate, Entrance Collar
- 692-045P Entrance Collar Fitting Band
- 692-045P Entrance Collar Support: 12 7/8"
- 74-013P Entrance Collar Clamp
- 692-025P Carriage Bolt, 1/4 X 3/4"
- F-1858 1/4-20 "U"-Nut
- F-1015-02 1/4-20 x 5/8" Capscrew
- F-1019-01 1/4" LockWasher
- F-1009-01 1/4" Flat Washer
- 692-039P Entrance Collar, Top & Bottom, 13"
1. Place 1/4" U-Nuts from parts sack, 692-056A in each small hole on sides of top transition and bottom transition with flat to outside. Also place 1/4" U-Nuts in each hole at wide end of lid opening with flat to outside.
2. Connect bottom of transition to entrance collar with 1/4 x 3/4" bolts, washers and lockwashers fastened into U-Nuts. Place other end into groove in burner front.
3. Connect Top of transition to entrance collar using hardware shown above from Sack 692-057A.
4. Slide the burner in place, taking care to have it parallel to the Entrance Collar. Lay the bend at the front of the transition bottom piece into the bend on the burner. Connect top of transition to burner using 5/16" bolts, (2) flat washers, lockwashers and plain nuts from Sack 692-057A.
5. Lay damper door into position placing shaft into grooves on each side. The end with the 5/8" Bolt should be on the right side, when facing the bin.
6. The Left and Right Side pieces (692-041P (LH) and 692-042P (RH)) fasten directly to the outside edges of the top and bottom with the U-nuts using 1/4" bolts, lockwashers and flat washers located in Hardware sack 692-056A. For both sides place the riveted right angle flange inward toward the damper door.

7. Mount Transition To Entrance Collar using Mounting Strips and 1/4 x 3/4" Carriage Bolts, Lockwashers, Washers, and Nuts as shown.
8. Screw the Damper Counterweight Rod (565-033P) onto the 5/8-11 threaded bolt on the end of the Damper Door. Check the operation of the Door and Counterweight to ensure that no obstruction will interfere with its range of motion. When the Fan is on, the Door should open (counterweight up). The door should automatically be in the closed position (counterweight down) when the Fan is off. If the door won't close when the fan is off, slide the counterweight (565-038P) with setscrew toward the end of the Damper Counterweight so the door closes every time.

9. Slide the Transition Lid into the flanges on the top piece. Use the 1/4x 3/4" bolt, flat washer and lockwasher from sack 691-058A to secure the lid through the U-Nuts.

10. The Counterweight Stop is to be placed in position when the burner is attached. Connect it as shown sliding it high enough to keep the Counterweight from falling too far.