



Kit 3 Installation Guide

Bin must be empty for installation

Power must be shut off to auger system

*** (Tag out-Lock out procedure must be taken)***

1. Drop weldment from cone (Figure 1)



Figure 1

2. Line up both Endcaps(Item 1) and thread Tension Rods Assembly (Items 9,21,22,23) to hold Endcaps in place. Inside webbing should be resting on the Weldment Flange. (Figure 2 and 3)



Figure 2



Figure 3

3. Using Endcaps as template and mark center of holes in cone. (Figure 4)



Figure 4

4. Remove Endcaps and drill holes, either with 7/8" bit or 1" bit. (Figure 5)



Figure 5

5. Insert 4 Bronze Sleeve Bearing (Item 2) into the two Endcaps. (Figure 6)



Figure 6

6. Cut Foam Tube(Item 24) into 4 lengths, oversize the length to ensure good seal. (Figure 7)



Figure 7

7. Slit the opposite end of the Foam Tube to fit over webbing on the inside of the Endcaps.
8. Make sure foam completely encompasses drilled holes to prevent leaking.

- Slide one Auger Shaft (Item 5) through the holes into the cone with key side toward anchor side. (Figure 8)



Figure 8

- Slide 5 Small Auger Sections (Item 25) facing the same direction onto the auger shaft and slide auger shaft all the way through the other Endcap. (Figure 9)



Figure 9

- Repeat with the remaining Small Auger Sections facing the Small Auger Sections in the opposite direction.
- Insert Auger Bolts (Item 26) through each END Small Auger Section and through the Auger Shaft using Auger Nuts (Item 27) inserted in the Small Auger Section pocket. Tighten in place. (Figure 10)



Figure 10

13. Place Set Collars (Item 31) on either side of the Auger Shaft. (Figure 11)



Figure 11

14. Hand turn augers to ensure the Small Auger Sections move freely and do not contact cone.

15. Tighten Set Collars (Item 31).

16. Replace weldment. (Figure 12)



Figure 12

17. Remove Back Shield (Item 29) off of the front 1st Flow Unit (KIT-1 or KIT-2).
18. Insert .75 Aluminum Shaft (Item 35) into 1.00 Aluminum Shaft (Item 34). (Figure 13)



Figure 13

19. Connect 2-.75 Aluminum Shaft (Item 35) to the back of the front 1st Flow Unit using ¼" Bolt and Locking Nut (Items 26,27) on to the Auger Shafts (Item 5). DO NOT CONNECT THE 1.00 ALUMINUM SHAFT TO THE REAR UNIT. (Figure 14)



Figure 14

20. Slide 2- ½ Shields with Holes (Item 36) over both the .75 Aluminum Shafts (Item 35,34), the first with open face toward the front 1st Flow Unit, and the second with the open face toward the rear, 1st Flow Extension unit. (Figure 15)



Figure 15

21. Connect 2- 1.00 Aluminum Shaft (Item 34) to the back of the rear 1st Flow Unit using ¼" Bolt and Locking Nut (Items 26,27) on to the Auger Shafts (Item 5). (Figure 14)
22. Slide both ½ Shields with Holes (Item 36) into place on the respective 1st Flow units.
23. Replace Back Shield From KIT-1/ KIT-2 (Item 29) on back side of KIT-3 Extension Kit. (Figure 16)



Figure 16

24. Return power to feed line system and check installation.

1st Flow should be running smoothly without any rubbing or “knicking”. If Small Auger Sections are coming into contact with cone, Shut off power adjust the set collars on the Auger Shafts individually ensuring all Sprockets and chain remain on the same plane. (Figure 17)



Figure 17

Notes:

- Chain should be lubricated between every turn of herd.
- Periodically check Tensioner Arm Assembly to ensure chain remains taught.
- If feed leak is discovered double check the Foam Tubes are in place and pressure is applied for a good seal.
- If clutch starts slip over time, remove and spray brake cleaner and replace.

WARNING

- DO NOT OPERATE THIS DEVICE UNLESS GUARDS ARE INSTALLED AND IN GOOD CONDITION.
- DO NOT OPERATE THE DEVICE WITHOUT GUARDS PROPERLY IN PLACE.
- DO NOT REMOVE GUARDS FROM THE DEVICE FOR ANY REASON UNLESS THE DEVICE IS DEACTIVATED.
- MOVING PARTS ON THE DEVICE CAN CAUSE SERIOUS INJURIES.
- NEVER ALLOW CHILDREN NEAR THE DEVICE.
- DO NOT PLACE HANDS, FEET, CLOTHING, JEWELRY OR HAIR IN OR NEAR THE DEVICE.
- HANDS, FEET, CLOTHING, JEWELRY OR HAIR MAY BECOME LODGED IN THE DEVICE.

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