

## ASSEMBLY INSTRUCTIONS

	<b>AG 100</b>			<b>AG 50</b>
9	5/16" x 3/4" bolts and matching nuts		9	1/4" x 3/4" bolts and matching nuts
3	1/4" x 1/2 bolts		3	1/4" x 1/2" bolts
8	Cotter Pins		8	Cotter Pins
1	Hair Pin		1	Hair Pin
1	Plunger		1	Plunger
1	Body		1	Body
1	Even Flow Hood		1	Even Flow Hood
1	Centering Ring		1	Centering Ring
3	Centering Ring Brackets(shorter, twisted, & bent)		3	Centering Ring Brackets(short, twisted, & bent)
3	Brackets (longer, twisted, & not bent)		3	Twisted Brackets (longer, twisted, & not bent)
3	Hook Brackets		3	Hook Brackets
8	4" x 18" Legs (grain chutes)		8	3" X 18" Legs (grain chutes)
	<b>AG 100 XL</b> includes all above listed parts <b>PLUS:</b>			<b>AG 50L</b> includes all above listed parts <b>BUT</b>
3	Brackets (bent and not twisted) instead of long twisted brackets		8	3" x 28" Legs instead of 18" Legs
3	5/16 X 3/4" bolts and nuts			
8	8" x 30" 14 gauge legs instead of 18" Legs			

***We suggest reading the following instructions before assembling your grain spreader.***

***Manufacturers note: "Assemble grain spreader on the ground or floor inside the grain bin."***

### **Assembly of the 'Body', 'Plunger' and 'Even Flow Ring'**

1. Match bolts and nuts according to size (there are 9 that have a match and three smaller without nuts).
2. Insert 'plunger' through the bottom of the 'Body' (square hole) and secure it with the hair pin.
3. Attach the 'even flow hood' to the top of the 'Body' by matching the brackets.
  - a. AG 100 and 100XL – use 3 of the 9 matching bolts and nuts (5/16" x 3/4")
  - b. AG 50 and 50L – use 3 of the 9 matching bolts and nuts (1/4" x 3/4")

**Manufacturers note:** "Attach even flow ring smooth side "UP" for large volume augers"  
"Attach even flow ring smooth side "DOWN" for small volume augers"

### **Attaching the 'Twisted Brackets' and 'Hook Brackets' (for grain bin installation)**

4. Attach the twisted end of the 'twisted brackets' to the outer hole of the 'body' brackets.
  - a. AG 100 and 100 XL – use 3 of the remaining 6 matching bolts and nuts (5/16" x 3/4")
  - b. AG 50 and 50L – use 3 of the remaining 6 matching bolts and nuts (1/4" x 3/4")
5. Attach the 'hook brackets' to the 'twisted brackets' with hooks facing outward for grain bin installation.
  - a. AG 100 and 100XL – use the 3 remaining matching bolts and nuts (5/16" x 3/4")
  - b. AG 50 and 50L – use the 3 remaining matching bolts and nuts (1/4" x 3/4")

### **Attaching the 'Centering Ring' and 'Centering Ring Brackets'**

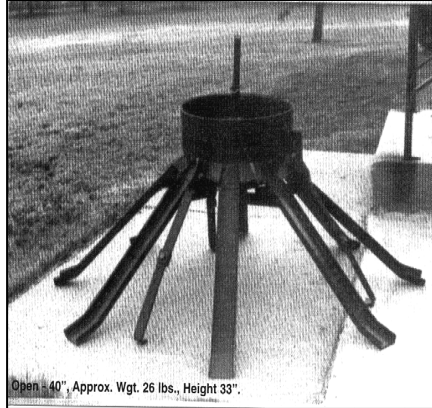
6. Attach the twist end of the 'Centering Ring Brackets' on the outside of the 'Even Flow Ring'.

**Manufacturers note:** "Bent end should be facing out to lay flat on the centering ring."

- a. AG 100 and 100XL – thread the 3 - 1/4" X 1/2" bolts into holes in centering ring
- b. AG 50 and 50L – thread the 3 - 1/4" x 1/2" bolts into holds in the centering ring
- c. AG 100XL – use the 3 - 0 5/16" X 3/4" bolts and nuts to attach the non-twisted centering ring bracket to the even flow ring.

## Attaching the 'Legs' (Grain Chutes)

7. Attach each the 8 legs on the hinges around the 'Body' using the 8 cotter pins.
  - a. 50, 50L, 100, 100XL – the process is the same using various size cotter pins included in the hardware packet.



## **INSTALLATION INTO THE BIN**

1. String a piece of ROPE through the hole of the 'Plunger'
2. Secure the ROPE to lift total spreader to the top of the bin directly below the fill hole (approximate weight = AG50 = 40#, AG 50L = 50#, AG 100 = 70#, AG100XL = 80#)
3. Attach the 'Hook Brackets' to the fill hole opening of the grain bin.
4. Set the 'Legs' by pressing down on the 'Plunger' to meet your needs (optimum is to throw the grain half way out to the bin wall) and secure the setting with the 'Hair Pin'.

**Manufacturer's note:** "It is helpful to observe filling from the top of the grain bin during first use or when changing grain types or moisture content of grain changes, as plunger setting may need to be adjusted."

## **BEST PRACTICES FOR BENEFICIAL, EFFECTIVE USE:**

- ✓ Optimal setting of the 'Legs' will allow the grain to land in the middle between the outer grain bin wall and the center hole of the grain bin. Adjust accordingly.
- ✓ Auger speed should be monitored to ensure the 'Even Flow Hood' is full at all times.
- ✓ It is essential for the grain to fill straight down (angle minimized the benefits) and into the center of spreader body.
- ✓ Poly spouts are strongly encouraged for proper auger placement. (centering).
- ✓ Most grain bin caps will cover the installed spreader and although the spreader is easy to move from bin to bin, most grain producers find it beneficial to have a spreader in each bin.

Thank you for choosing the Agnew Grain Spreader. For assembly questions or a dealer near you contact:

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