READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING INSTALLATION

WF25, WF40, WF60,

WF80, WF100

ASSEMBLY INSTRUCTIONS

Before attempting assembly, refer to the Parts Diagram on the reverse side.

 Begin by locating Ref. No. 1, trough base. Insert Ref. No. 2, feed axle into the recess at the center of the trough. Drill four (4) holes through the fiberglass trough base, using the feed axle as a guide and a 1/4-in. drill bit. (NOTE: Masonry type drill bits are preferred for fiberglass because high speed steel bits rapidly become dull).

Remove the axle and clean out any residue. Fasten the plate of the feed axle to the trough with the four (4) flat-head bolts, nuts, and washers provided, Ref. Nos. 23, 21, & 22. Check that the axle is perpendicular to the trough.

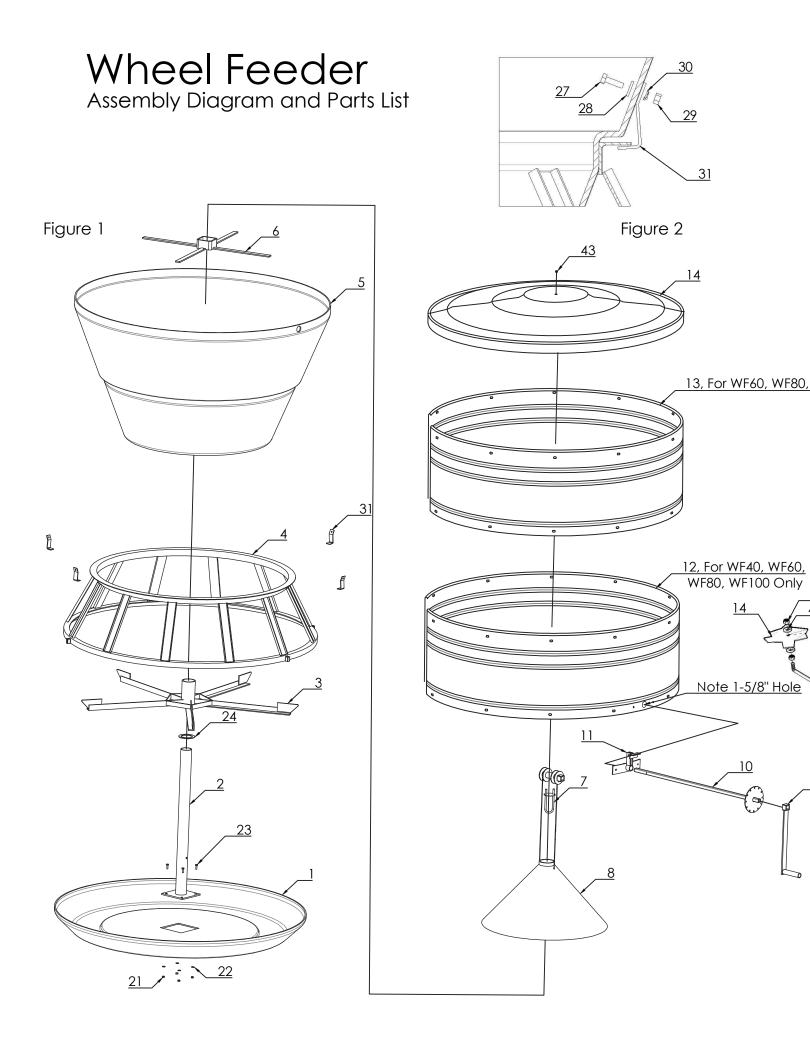
- 2. Next place the feed wheel washer, Ref. No. 24 and the feed wheel, Ref. No. 3, on the feed axle. The feed wheel should turn freely on the feed axle. If it does not, check for excess galvanizing residues and remove if necessary.
- 3. Put the trough divider cage, Ref. No. 4, on the trough and force it over the trough lip as far as possible. Now drill one 5/16-in. hole through the trough, using the trough divider cage as a guide. Insert one of the cage bolts, Ref. No. 25, in the hole with the head to the OUTSIDE of the feed trough. Install a flanged cage nut, Ref. No. 26 and hand tighten. Repeat this procedure for the remaining holes, checking each time that the cage is down as far as possible. Now tighten the bolts by holding the nuts and turning the heads. **DO NOT OVERTIGHTEN THE BOLTS ON THE FIBERGLASS;** tighten only until snug. Overtightening can damage the fiberglass.
- 4. After the cage is installed, drop the hopper bottom, Ref. No. 5, into place. The step in the hopper sidewall should rest on the upper hoop of the cage.
- 5. Now install the feed sweep, Ref. No. 16, over the axle and the feed wheel. Slide the sweep down the axle until it just clears the hopper and tighten the set screws, Ref. No. 32. Rotate the wheel to be certain the sweep does not rub. For proper operation, all four arms of the sweep should clear the hopper no more than about 1/8-in. Adjust as necessary.
- After installing the feed sweep, place a 5/16 x 3-in. bolt with a 5/16-in. washer, Ref. Nos. 33 & 35, into the pre-punched hole in Axle, Ref. No. 2. Secure bolt using another 5/16-in. washer with a 5/16-in. hex nut, Ref. Nos. 35 & 34 (See Figure 3). Tighten nut.

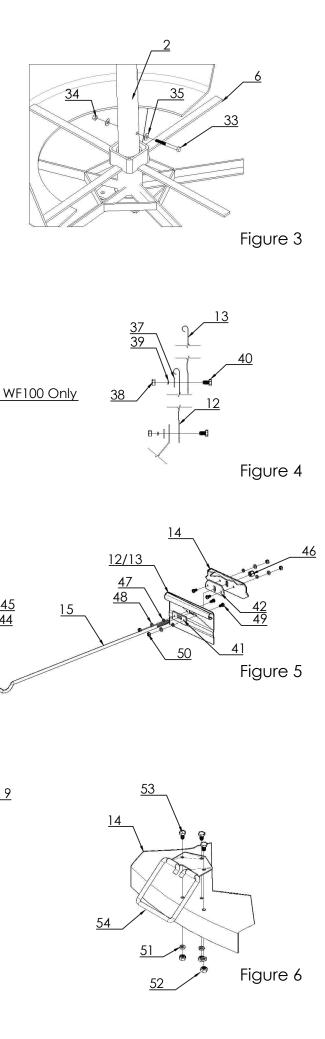
Note: The bolt in the axle will allow the feeder to operate with minimal clearance between the Feeder Cone Assembly, Ref. No. 8 and the Feed Sweep, Ref. No. 16, and acts as a lower safety stop during adjustment of the Feeder Cone Assembly.

- 7. Now slip the axle cover assembly, Ref. No. 7, inside the axle tube as far as possible. Slide the cone assembly, Ref. No. 8, over the axle until the spool settles between the fingers on the cover assembly. Swivel the spool until it is aligned with the adjustor hole in the hopper with the flats toward the adjustor plate. The cone assembly cables have been factory adjusted for equal tension. If they are not of equal tension, remove the cone assembly and adjust the eye-bolts beneath the cone.
- Fasten the hopper bottom, Ref. No. 5, to the cage, Ref. No. 4 (See Figure 2) using the four tie-downs, Ref. No. 31. Locate each tie-down directly above a cage upright. The leg of each tie-down should grip the upper lip of the cage. Space the tie-downs from one another around the hopper at 90 degrees by skipping two uprights between each tie-down. Use (4) 1/4-in bolts, Ref. No. 27, with rubber backed washers, Ref. No. 28, with the rubber against the fiberglass, under the bolt heads inside the hopper. Use a lock-washer, Ref. No. 30, and a nut, Ref. No. 29 on the outside.
- 9. Bolt together shell with cone adjust holes, Ref. No. 12, using 2 bolts, flat washers, lock washers, and nuts, Ref. No. 40, 37, 39, & 38. Be sure to leave the bolts as loose as possible.
- 10. Lift the shell onto the hopper bottom. The 1-3/8-in hole or notch in the side of the hopper top should align with the one in the hopper bottom. Gradually work the edge of the hopper top over the hopper bottom until the entire lip is started. Again, check to see that the holes are aligned and push the top down until the first corrugation is just above the hopper bottom. If everything is done properly, you should now be able to slide the long end of the cone adjust bracket, Ref. No. 11, into the aligned holes. Turn the bracket so the small holes line up with the holes in the sheet metal.



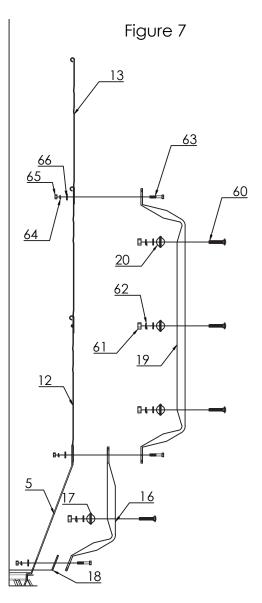
PO BOX 2000 • HOUGHTON, IOWA 52631 • USA PHONE 319-469-4141 FAX 319-469-4402 WEB: www.hawkeyesteel.com E-MAIL: sales@hawkeyesteel.com ISHWF REV. 1.1 PRINTED IN U.S.A.





	Item Number	Description	WEDE	WE 40	WEGO	WE00	Q
	Individual Parts	· · · · · · · · · · · · · · · · · · ·	WFZ5	WF40	WFOU	WF80	WFIL
1		Trough, Fiberglass	1	1	1	1	
2			1	1	1	1	
3		Feed Wheel	1	1	1	1	
4		Trough Divider Cage	1	1	1	1	
5		Hopper Bottom, Fiberglass	1	1	1	1	
6		Feed Sweep	1	1	1	1	
7		Axle Cover Assembly	1	1	1	1	
8		Cone Assembly	1	1	1	1	
9		Cone Adjust Handle	1	1	1	1	
10		Cone Adjust Rod	1	1	1	1	
11		Cone Adjust Bracket	1	1	1	1	
12		Shell - With Cone Adjust Holes	0	1	1	1	
13		Shell - W/O Cone Adjust Holes	0	0	1	2	
14		•	1	1	1	1	
		Wheel Feeder Cover	2				
15		Cover Rods		2	2		
16		Step Side Rail	0	0	2		
17		Step Rung, 14-1/2" C2C	0	0	1	1	
18		Reinforcement Plate	0	0	1	1	
19		Ladder Side Rail	0	0	0	2	
20		Ladder Rung, 16" C2C	0	0	0	3	
		Wheel Feeder Base Hardware Bag	1	1	1	1	
21		Nut, 1/4" Hex SS	4	4	4		
22		Washer, 1/4" Flat SS	4	4	4	4	
23	RFB-1351	Bolt, 1/4" x 7/8" HHCS	4	4	4		
24	RFW-9700	Feeder Wheel Washer, 2-1/2" Flat	1	1	1	1	
25	RFB-2050	Bolt, 5/16" x 7/8" HHCS	12	12	12	12	
26	RFN-2300	Nut, 5/16" Hex Flange	12	12	12	12	
27	RFB-1400	Bolt, 1/4" x 1" HHCS	6	6	6	6	
28	RFW-3150	Washer, Neoprene Backed 3/8"	6	6	6	6	
29	RFN-1100	Nut, 1/4" Hex	6	6	6	6	
30		Washer, 1/4" Lock	6	6	6		
31		Hopper Tiedown Brackets	4	4	4		
32		Bolt, 1/4"-28 x 1/2" HHCS	2	2	2		
33		Bolt, 5/16" x 3" Hex	1	1	1	1	
34		Nut, 5/16" Hex	1	1	1	1	
35		Washer, 5/16" Flat	2	2	2	2	
36		Nut, 1/4" Hex Flange	2	2		2	
		Wheel Feeder Shell Hardware Bag	0		2	3	
37		Washer, 5/16" ID x 3/4" OD, Zn	0	34	68	102	1:
38		Nut, 1/4-20 Hex Nut, Zn	0	17	34	51	(
39		Washer, 1/4" Lock, Zn	Ũ	17	34		(
40		Bolt, 1/4"-20 x 1" Hex, GR5, Zn	0	17	34		
	WFC-HDWE	Wheel Feeder Cover Hardware Bag	1		1	1	
41				1			
	F60B39			<u>1</u> 2		2	
		Shell Reinforcing Plate	2	2	2	2	
42	M60A32	Shell Reinforcing Plate Cover Rod Reinforcing Plate	2 2	2 2	2 2	2	
42 43	M60A32 85F30	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug	2 2 1	2 2 1	2 2 1	2 1	
42 43 44	M60A32 85F30 0F128	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn	2 2 1 4	2 2 1 4	2 2 1 4	2 1 4	
42 43 44 45	M60A32 85F30 0F128 0F167	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn	2 2 1 4 4	2 2 1 4 4	2 2 1 4 4	2 1 4 4	
42 43 44 45 46	M60A32 85F30 0F128 0F167 0F458	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn	2 2 1 4 4 2	2 2 1 4 4 2	2 2 1 4 4 2	2 1 4 2	
42 43 44 45 46 47	M60A32 85F30 0F128 0F167 0F458 0F118	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn	2 2 1 4 2 8	2 2 1 4 2 8	2 2 1 4 2 8	2 1 4 2 8	
42 43 44 45 46 47 48	M60A32 85F30 0F128 0F167 0F458 0F118 0F112	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn	2 2 1 4 2 8 8	2 2 1 4 2 8 8	2 2 1 4 2 8 8	2 1 4 2 8 8	
42 43 44 45 46 47 48 49	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn	2 2 1 4 2 8 8 8 8	2 2 1 4 2 8 8 8 8	2 2 1 4 2 8 8 8 8 8	2 1 4 2 8 8 8	
42 43 44 45 46 47 48 49 50	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn	2 2 1 4 4 2 8 8 8 8 8 8	2 2 1 4 4 2 8 8 8 8 8 8	2 2 1 4 2 8 8 8 8 8 8 8	2 1 4 2 8 8 8 8 8	
42 43 44 45 46 47 48 49 50 51	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn	2 2 1 4 4 2 8 8 8 8 8 8 3	2 2 1 4 2 8 8 8 8 8 8 3	2 2 1 4 2 8 8 8 8 8 8 3	2 1 4 2 8 8 8 8 8 8 3	
42 43 44 45 46 47 48 49 50 51 52	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn	2 2 1 4 4 2 8 8 8 8 8 8 3 3 3	2 2 1 4 2 8 8 8 8 8 3 3 3	2 2 1 4 2 8 8 8 8 8 3 3 3	2 1 4 2 8 8 8 8 8 8 3 3 3	
42 43 44 45 46 47 48 49 50 51 52 53	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Clock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn	2 2 1 4 2 8 8 8 8 8 8 8 3 3 3 3 3	2 2 1 4 4 2 8 8 8 8 3 3 3 3 3	2 2 1 4 4 2 8 8 8 8 3 3 3 3 3	2 1 4 2 8 8 8 8 8 8 3 3 3 3 3 3	
42 43 44 45 46 47 48 49 50 51 52 53 54	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143 F60C85	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle	2 2 1 4 2 8 8 8 8 8 8 3 3 3 3 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1	2 2 1 4 2 8 8 8 8 8 3 3 3 3 1	2 1 4 2 8 8 8 8 8 3 3 3 3 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F13 0F55 0F143 F60C85 F60C84	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 1 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1 1	2 1 4 2 8 8 8 8 8 3 3 3 3 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F13 0F55 0F143 F60C85 F60C84	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle	2 2 1 4 2 8 8 8 8 8 8 3 3 3 3 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1	2 2 1 4 2 8 8 8 8 8 3 3 3 3 1	2 1 4 2 8 8 8 8 8 3 3 3 3 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F214 0F53 0F13 0F53 0F143 F60C85 F60C84 0F22	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 1 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1 1	2 2 1 4 2 8 8 8 8 3 3 3 3 1 1	2 1 4 2 8 8 8 8 8 3 3 3 3 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	M60A32 85F30 0F128 0F128 0F167 0F458 0F118 0F112 0F214 0F214 0F53 0F113 0F55 0F143 0F55 0F143 0F55 0F143 0F55 0F140 0F22 0F120	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn	2 2 1 4 4 2 8 8 8 8 8 8 3 3 3 3 1 1 1	2 2 1 4 4 2 8 8 8 8 3 3 3 3 1 1 1	2 2 1 4 4 2 8 8 8 8 3 3 3 3 1 1 1	2 1 4 2 8 8 8 8 3 3 3 3 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F143 0F55 0F143 F60C85 F60C84 0F22 0F120 0F120 0F114	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 3 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 1 1 1	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 1 1 1 1	2 1 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F13 0F55 0F143 F60C84 0F22 0F120 0F120 0F14	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 × 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Lock, Zn Nut, 5/16"-18 Hex, Zn	2 2 1 4 2 8 8 8 8 8 3 3 3 3 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 3 3 3 3 3 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 3 3 1 1 1 1	2 1 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	M60A32 85F30 0F128 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143 F60C84 0F22 0F120 0F120 0F120 0F14 0F59 0F14	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 × 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Lock, Zn Nut, 5/16"-18 Hex, Zn Installation Guide	2 2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 3 1 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 3 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	M60A32 85F30 0F128 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143 F60C85 F60C85 F60C85 F60C85 0F120 0F120 0F120 0F120 0F14 0F59 ISHWF Step and Ladder	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Bolt, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Lock, Zn Nut, 5/16"-18 Hex, Zn Installation Guide Hardware in separate bag within WFC-	2 2 1 4 2 8 8 8 8 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 3 3 3 1 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143 F60C85 F60C85 F60C85 F60C85 0F120 0F120 0F120 0F114 0F59 ISHWF Step and Ladder 907-9050	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Lock, Zn Nut, 5/16"-18 Hex, Zn Installation Guide Hardware in separate bag within WFC- Bolt, 5/16"-18 x 1-3/4" Carriage, Zn	2 2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	M60A32 85F30 0F128 0F167 0F458 0F117 0F214 0F53 0F113 0F55 0F143 F60C85 F60C84 0F120 0F144 0F59 <u>0F140</u> 0F140 0F59 <u>Step and Ladder</u> 907-9050 0F59	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 1/4"-20 Hex, Zn Bolt, 1/4"-20 x 1/2" Hex, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Lock, Zn Nut, 5/16"-18 k 1.3/4" Carriage, Zn Nut, 5/16"-18 k 1.3/4" Carriage, Zn Nut, 5/16"-18 Hex, Zn	2 2 1 4 2 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	M60A32 85F30 0F128 0F167 0F458 0F117 0F514 0F53 0F113 0F55 0F143 F60C85 F60C84 0F22 0F120 0F120 0F114 0F59 <u>ISHWF</u> 907-9050 0F59 0F14	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Washer, 1/4"-20 Hex, Zn Bolt, 1/4"-20 + X, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Flat, Zn Nut, 5/16"-18 k, Zn Installation Guide Hardware in separate bag within WFC Bolt, 5/16"-18 x 1-3/4" Carriage, Zn Nut, 5/16"-18 Hex, Zn	2 2 1 4 4 2 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	M60A32 85F30 0F128 0F167 0F458 0F117 0F214 0F53 0F113 0F55 0F143 F60C85 F60C84 0F22 0F120 0F120 0F114 0F59 <u>ISHWF</u> 907-9050 0F59 0F59	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Washer, 1/4"-20 Hex, Zn Bolt, 1/4"-20 + X, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Flat, Zn Nut, 5/16"-18 hex, Zn Installation Guide Hardware in separate bag within WFC Bolt, 5/16"-18 k 1-3/4" Carriage, Zn Nut, 5/16"-18 Hex, Zn Washer, 5/16" Lock, Zn Bolt, 1/4"-20 x 1-1/2" Hex, Zn	2 2 1 4 4 2 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 3 3 3 3 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1	
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	M60A32 85F30 0F128 0F167 0F458 0F118 0F112 0F214 0F53 0F113 0F55 0F143 F60C85 F60C84 0F22 0F120 0F114 0F59 <u>ISHWF</u> 907-9050 0F59 0F59 0F114	Shell Reinforcing Plate Cover Rod Reinforcing Plate D3161 Hole Plug Washer, 3/8" Flat, Zn Nut, 3/8"-16 Hex, Zn Nut, 3/8"-16 Nylock Hex, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Flat, Zn Washer, 3/16" Lock, Zn Screw, 10-24 x 1/2" Slotted Round, Zn Nut, 10-14 Hex, Zn Washer, 1/4" Lock, Zn Nut, 10-14 Hex, Zn Washer, 1/4"-20 Hex, Zn Bolt, 1/4"-20 + X, Zn Handle Cover Latch Bolt, 5/16"-18 x 1" Phillips Truss, Zn Washer, 5/16" Flat, Zn Washer, 5/16" Flat, Zn Nut, 5/16"-18 k, Zn Installation Guide Hardware in separate bag within WFC Bolt, 5/16"-18 x 1-3/4" Carriage, Zn Nut, 5/16"-18 Hex, Zn	2 2 1 4 4 2 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	2 2 1 4 4 2 8 8 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1	2 1 4 2 8 8 8 8 8 8 3 3 3 1 1 1 1 1 1 1 1 1 1 1	

- 11. Using a 1/4-in. drill bit and the bracket as a guide, drill two holes through the fiberglass. Insert 1/4-in bolts, Ref. No. 27 and insert them into the bracket and through the fiberglass. Install flanged nuts, Ref. No. 36, and hand tighten.
- 12. Now go to the seam opposite the bracket. Adjust the hopper top until it is level with the opposite side. The distance from the top of the hopper bottom to the top of the hopper top is approximately 16 1/4-in. Drill a 1/4-in. hole through the fiberglass and install bolts, flat washers, lock washers, and nuts, Ref. No. 40, 37, 39, & 38. Continue to work diagonally around the hopper until all the bolts are installed. Tighten all fasteners until snug. **DO NOT OVERTIGHTEN THE BOLTS ON THE FIBERGLASS.** (See Figure 4)
- 13. The cone adjust rod, Ref. No. 10, should be installed next. Slide the rod through the cone adjust bracket until it contacts the spool. Slide the rod through the spool as far as possible (until the adjustor plate contacts the adjust bracket). Rotate the adjustor plate as needed to position the latch. Using the cone adjust handle, Ref. No. 9, rotate the cone assembly up and down and check that it operates easily. Adjust as necessary.
- 14. For WF60 or greater, bolt shell- w/o cone adjust holes to shell already installed. Use bolts, flat washers, lock washers, and nuts, Ref. No. 40, 37, 39, & 38. (See Figure 4)
- 15. Bolt reinforcement plates, Ref. Nos. 41 & 42 to inside of both cover and upper most shell. Place cover on feeder. Align cover rod holes with holes on upper shell. Insert cover rods, Ref. No 15, from outside and secure to cover using 3/8" nylon-insert locknut, Ref. No 46. Place 3/8" nut and washer, Ref. Nos. 44 & 45 on offset end of cover rods (these will be on the inside of cover). Place offset end of cover rods through holes on top of cover secure using 3/8" nut and washer, Ref. Nos. 44 & 45. (See Figure 5)
- 16. Place hole plug, Ref. No. 43 in center of Cover. Bolt handle, Ref. No. 54 to cover using bolt, lock washer, nuts, Ref. No. 53, 51 & 52. (See Figure 6)



OPERATION INSTRUCTIONS

Always position the feeder on a flat surface. The feeder works well on sloped floors, but the center axle **must be supported by a firm, flat surface** to prevent warpage of the trough and binding of the feed wheel.

To start small pigs on the feeder, adjust cone to a height of 3/4-in. to 1-in. above the feed sweep. As the pigs grow and learn to move the wheel, reduce cone height stepwise. NOT RECOMMENDED FOR PIGS LESS THAN 50 LBS. OR FOR GESTATING SOWS.

Your Wheel Feeder has been designed for maximum strength and durability. The Wheel Feeder is designed for quick and simple repair, if needed. Replacement parts can be ordered through your nearest Pride of the Farm dealer.

CAUTION: DO NOT IMPACT FIBERGLASS. Do not drop the feeder or allow the fiberglass parts to impact hard objects. Move the feeder with care. Fiberglass is very durable and strong, but it can shatter if hit too hard. Repair with standard fiberglass repair kits. NOTE: The strength of fiberglass is not reduced by cold.

CAUTION: ALWAYS USE THE INSPECTION STEP OR LADDER. BEWARE OF ICE ON STEP OR LADDER DURING WINTER. DO NOT INSPECT THE FEEDER FROM ANY UNATTACHED LADDER WHICH COULD FALL AND CAUSE INJURY.

MODEL NUMBER

The MODEL NUMBER are: WF25, WF40, WF60, WF80, WF100 Wheel Feeder

WHEN ORDERING PARTS

(1) Show MODEL NUMBER and NAME: Example - WF40 Wheel Feeder

(2) Show PART NUMBER and FULL DESCRIPTION of part: Example - F60G95 Shell - W/O Cone Adjust Hole

HOW TO ORDER PARTS

Repair parts may be ordered from your dealer.