

INSTRUCTIONS AND REPAIR PARTS LIST

5C, 10C, M5R, M10R ROTARY FEEDERS

MODEL	DESCRIPTION
5CLC	Cast Iron Trough, Galvanized Steel Shells, Stainless Steel Trough Cone, 5 Bushel capacity (2 shells), no cover
5CSS2LC	Cast Iron Trough, Stainless Steel Shells and Trough Cone, 5 Bushel capacity (2 shells), no cover
10CLC	Cast Iron Trough, Galvanized Steel Shells, Stainless Steel Trough Cone, 10 Bushel capacity (3 shells), no cover
10CSS2LC	Cast Iron Trough, Stainless Steel Bottom and Center Shells and Trough Cone, Galvanized Top Shell, 10 Bushel capacity (3 shells), no cover
M5R	Galvanized Steel Trough, Trough Cone and Shells, 5 Bushel capacity (2 shells), includes cover
M10R	Galvanized Steel Trough, Trough Cone and Shells, 10 Bushel capacity (3 shells), includes cover

READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING INSTALLATION

REPAIR PARTS LIST FOR 5CLC, 5CSS2LC, AND M5R				Ref. No.	Part No.	Description	Quantity
See Exhibit A on page 5 for location of parts.				13	OF34*	3/8-16 x 1 Square Head Set Screw	2
Ref. No.	Part No.	Description	Quantity	14	FC20*	1-1/4 x 2 OD Galvanized Washer	1
1	F248	Cover (optional on 5CLC and 5SS2LC)	1	15	RF13*	1" Pipe Plug Casting	1
2-1	FC236SS	Top Shell, SS (5CSS2LC), 19" Dia.	1	16	F269*	1/2" Dia. Steel Ball Bearing	1
2-2	FC236	Top Shell, Galvanized (5CLC), 19" Dia.	1	17	RF60*	Adjustment Handle with Latch	1
2-3	M5R4	Top Shell, Galvanized (M5R), 19" Dia.	1	18	85F30*	Hole Plug, Zinc	1
3-1	FC235SS	Lower Shell, SS, 19" Dia.	1	19	OF168*	1/4-20 x 1 Hex Head Machine Screw, Zinc	8
		includes F254 Drum Cone (5CSS2LC)	1	20	OF12*	1/4-20 x 3/4 Hex Head Cap Screw, Zinc	32
3-2	FC235	Lower Shell, Galvanized, 19" Dia.	1	21	OF55*	1/4-20 Hex Nut, Zinc	46
		includes F254 Drum Cone (5CLC)	1	22	OF113*	1/4 Split Lockwasher, Zinc	46
3-3	M5R6	Lower Shell, Galvanized, 19" Dia.	1	23	OF120*	5/16 ID x 3/4 OD Flat Washer, Zinc 1/4"	32
		includes F254 Drum Cone (M5R)	1	24	OF131*	1/4-20 x 1-1/4 Slotted Indented Hex Machine Screw, Zinc	6
4	F254	Drum Cone	1		HS10	Hardware Bag, includes items with *	1
5	F87	Lug	2	25	OF214	10-24 x 1/2 Slotted Round Head Machine Screw, Zinc	1
6	RF53	3 Arm Spider Hub Casting	1		OF53	10-24 Hex Machine Screw Nut, Zinc	1
7	RF6	Steel Bracer Arm, Top	3	26	D5BB	Divider Ring, Optional	1
8	FC16	Feeder Trough Pipe, includes OF82 Pin and RF13 Plug	1	27	D5A	Divider Ring, Optional	1
9	OF82	1/4 x 2 Carbon Steel Spring Pin, Plain for FC16	1	28	OF170	5/16-18 x 3/4 Slotted Indented Hex Machine Screw, Zinc	1
10	RF57SS	Lower Spider Assembly	1	29	OF59	5/16-18 Hex Nut, Zinc	1
11	RF65	Cone Casting	1	30	F66	Trough Casting (5CLC, 5CSS2LC)	1
12-1	F572SS	Stainless Steel Trough Cone. Used with RF65 Cone Casting and used in production units.	1	31	M5R1	Steel Trough and Trough Cone (M5R)	1
				32	CR175	Hold Down Clamp - Slotted Floor Optional	1
12-2	F472SS	Stainless Steel Trough Cone was used with RF12 Cone Casting. Neither F472SS nor RF12 is available however, order F612SS Steel Reinforce Cone to be used along with F572SS to accommodate RF12. Place F612SS under F572SS.	1		F612SS	Steel Reinforce Cone (Not used with RF65, used with RF12 cone casting.)	1
					ISH5C10C	Instruction Sheet	1

WHEN ORDERING PARTS

- (1) Show MODEL NUMBER and NAME: Example - 5CSS2LC Rotary Feeder.
- (2) Show PART NUMBER and FULL DESCRIPTION of part: Example - FC236SS Top Shell.

HOW TO ORDER PARTS

Repair parts may be ordered from your dealer.

USE OF FEEDER

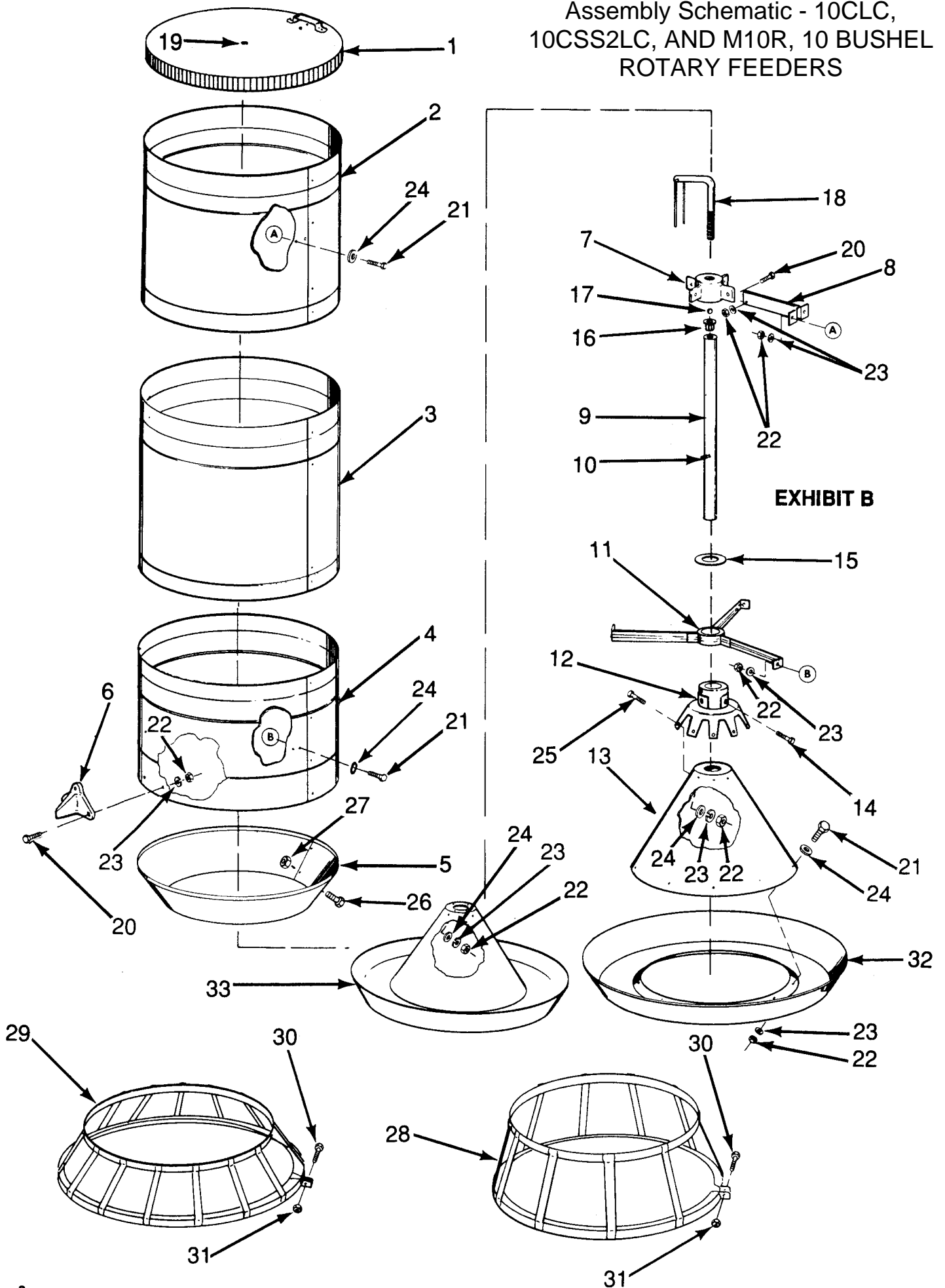
With newly weaned pigs, the adjustment of the feeder should allow free flowing feed with minimal effort. This will permit pigs to quickly become accustomed to the rotation of the feeder.

After 1-2 days, reduce the feed flow until you see very little feed buildup in the trough. The feed adjustment is sensitive. ONE QUARTER TURN INCREMENTS will make significant differences in feed flow. Pigs crowded around the feeder with no feed visible in the trough indicate you have overly reduced feed flow.



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Assembly Schematic - 10CLC,
10CSS2LC, AND M10R, 10 BUSHEL
ROTARY FEEDERS



Assembly Instructions - 10CLC, 10CSS2LC, AND M10R, 10 BUSHEL ROTARY FEEDERS

- STEP 1: Remove all parts from carton. Empty contents of hardware bag and position for convenient assembly.
- STEP 2: Position the RF-65 cone hub casting (Ref. No. 12) on top of trough cone (Ref. No. 13) or on top of M10R1 Steel Trough and Trough Cone (Ref. No. 33). Loosely assemble the (6) 1/4 x 1 1/4 hex screws through the casting and cone with a flat washer, lockwasher and hex nut on the inside (Ref. Nos. 22, 23, 24 and 25).
- Check inside of the cone to be sure casting is sitting flat on the top of the cone. Put into position and tighten the (6) nuts securely.
- For model with steel trough (M10R) proceed to step No. 4.
- STEP 3: Attach trough cone (Ref. No. 13) to trough (Ref. No. 32). Use 1/4 x 3/4 screws with flat washers under the heads, and lockwashers and nuts underneath (Ref. Nos. 21, 22, 23 and 24).
- STEP 4: Attach lugs (Ref. No. 6) to lower shell section using 1/4 x 3/4 screws, lockwashers and nuts (Ref. Nos. 21, 22 and 23). Tighten.
- STEP 5: Insert lower spider assembly (Ref. No. 11) into lower shell assembly and align (3) bolt holes. Do not insert spider bolts until next shell is placed in position.
- STEP 6: Position lower shell section over trough and cone and align large flat washer (Ref. No. 15) atop center hole of lower spider assembly.
- STEP 7: Insert pipe (Ref. No. 9) thru washer and spider into cone hub casting (Ref. No. 12). Insert cast iron plug at top (Ref. No. 16). The end of the pipe nearest the pin (Ref. No. 10) goes in the cone casting. Insert (2) 3/8 x 1 square head screws (Ref. No. 14) into cone casting and tighten to hold pipe.
- STEP 8: Place 1/2" steel ball (Ref. No. 17) with small amount of grease, into pipe plug hole (Ref. No. 16).
- STEP 9: Bolt ends of top shell section (green stripe) and center shell section (red stripe - used in 10 bu. feeder only) with 1/4 x 3/4 hex screws using a 1/4 flat washer under each bolt head and lockwasher under each nut (Ref. Nos. 21, 22, 23 and 24). Leave out bottom bolt in top shell and both top and bottom bolts in center shell until shells are positioned on top of each other.
- STEP 10: Position center shell over lower shell and align holes. Secure by bolting thru both shells and lower spider, using flat steel washer under each 1/4 x 3/4 bolt head and lockwasher under each nut (Ref. Nos. 21, 22, 23 and 24).
- STEP 11: Attach galvanized arms (Ref. No. 8) to top brace arm casting using 1/4 x 1 machine screws, lockwasher and nut (Ref. Nos. 20, 23 and 22). Tighten. Position in top shell and bolt with (6) 1/4 x 3/4 screws, washers, lockwashers and nuts (Ref. Nos. 21, 22, 23 and 24). NOTE: Vice grips help spring arms together and align with holes
- STEP 12: Fit top shell over center shell with top brace arm casting fitting down over the pipe. Bolt the top shell to the one below it using 1/4 x 3/4 screws, lockwashers and nuts (Ref. Nos. 21, 22, 23 and 24). Tighten all bolts securely.
- STEP 13: Turn adjusting handle (Ref. No. 18) into the top brace arm casting (Ref. No. 7). Adjust until lower shell has sufficient clearance from trough and cone for proper feed flow and easy rotation. Then turn locking handle down over a top brace arm. For model with cover, assembly cover hole snap plug into center hole of cover (Ref. No. 19).

Extra hardware will remain from the M10R feeder.

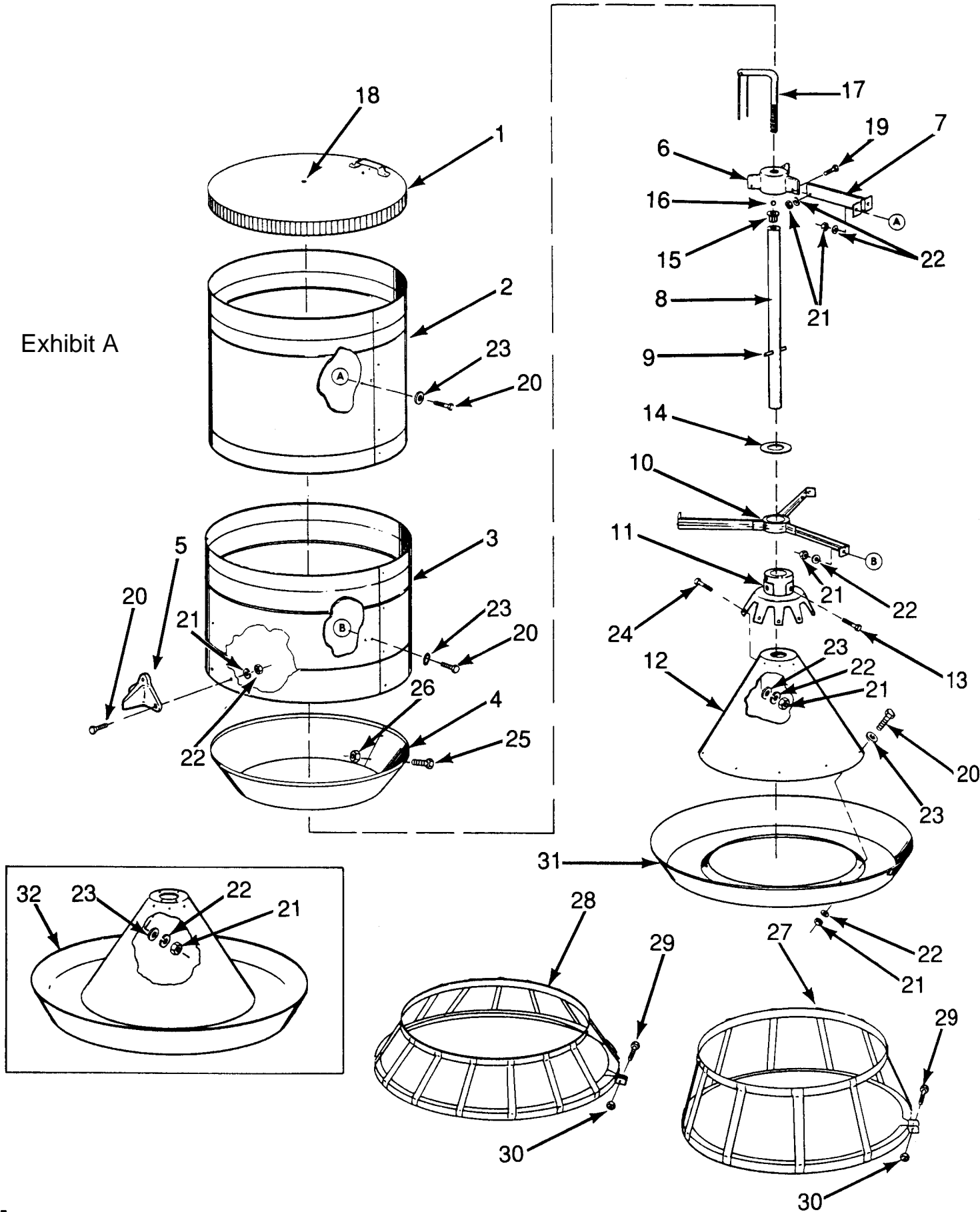
REPAIR PARTS LIST FOR 10CLC, 10CSS2LC, AND M10R

See Exhibit B on page 2 for location of parts.

Ref. No.	Part No.	Description	Quantity
1	F249	Cover (optional on 10CLC and 10CSS2LC)	1
2-1	FC476	Top Shell, Galvanized (10CLC and 10CSS2LC), 26.5" Dia.	1
2-2	M10R4	Top Shell, Galvanized (M10R), 26.5" Dia.	1
3-1	F282SS	Center Shell, SS (10CSS2LC), 26.5" Dia.	1
3-2	F282	Center Shell, Galvanized (10CLC), 26.5" Dia.	1
3-3	M10R5	Center Shell, Galvanized (M10R), 26.5" Dia.	1
4-1	FC501SS	Lower Shell, SS includes F255 Drum Cone (10CSS2LC), 26.5" Dia.	1
4-2	FC501	Lower Shell, Galvanized includes F255 Drum Cone (10CLC), 26.5" Dia.	1
4-3	M10R7	Lower Shell, Galvanized includes F255 Drum Cone (M10R), 26.5" Dia.	1
5	F255	Drum Cone	1
6	F87	Lug	2
7	RF11	4 Arm Spider Hub Casting	1
8	RF4	Steel Bracer Arm, Top	4
9	FC14	Feed Trough Pipe (includes OF82 Pin and RF13 Plug)	1
10	OF82	1/2 x 2 Carbon Steel Spring Pin, Plain, for FC14	1
11	RF17SS	Lower Spider Assembly	1
12	RF65	Cone Casting	1
13-1	F570SS	Stainless Steel Trough Cone. Used with RF65 cone Casting and used in production units.	1
13-2	F470SS	Stainless Steel Trough Cone. Used with RF12 Cone Casting. Neither F470SS nor RF12 is available. However, order F612SS Steel Reinforce Cone to be used along with F570SS to accommodate RF12. Place F612SS under F572SS.	1
14	OF34*	3/8-16 x 1 Square Head Set Screw	2
15	FC20*	1 1/4 x 2 OD Galvanized Washer	1
16	RF13*	1" Pipe Plug Casting	1
17	F269*	1/2" Dia. Steel Ball Bearing	1
18	RF60*	Adjustment Handle with Latch	1
19	85F30*	Hole Plug, Zinc	1
20	OF168*	1/4-20 x 1 Hex Head Machine Screw, Zinc	8
21	OF12*	1/4-20 x 3/4 Hex Head Cap Screw, Zinc	32
22	OF55*	1/4-20 Hex Nut, Zinc	46
23	OF113*	1/4 Split Lockwasher, Zinc	46
24	OF120*	5/16 ID x 3/4 OD Flat Washer, Zinc - 1/4"	32
25	OF131*	1/4-20 x 1 1/4 Slotted Indented Hex Machine Screw, Zinc	6
26	OF214	10-24 x 1/2 Slotted Round Head Machine Screw, Zinc	1
27	OF53	10-24 Machine Screw Nut, Zinc	1
	HS10	Hardware Bag, includes items with *	1
28	D10BB	Divider Ring, Optional	1
29	D10A	Divider Ring, Optional	1
30	OF170	5/16-18 x 1 3/4 Slotted Indented Hex Machine Screw, Zinc	1
31	OF59	5/16-18 Hex Nut, Zinc	1
32	F64	Trough Casting (10CLC, 10CSS2LC)	1
33	M10R1	Steel Trough and Trough Cone (M10R)	1
	CR175	Hold Down Clamp-Slotted Floor Optional	3
	F612SS	Steel Reinforce Cone (not used with RF65)	1
	ISH5C10C	Instruction Sheet	1

Assembly Schematic - 5CLC, 5CSS2LC, AND M5R, 5 BUSHEL ROTARY FEEDERS

Exhibit A



Assembly Instructions - 5CLC, 5SS2LC and M5R, 5 BUSHEL ROTARY FEEDERS

- STEP 1: Remove all parts from carton. Empty contents of hardware bag and position by size for convenient assembly.
- STEP 2: Position the RF-65 cone hub casting (Ref. No. 11) on top of trough cone (Ref. No. 12) or on top of M5R1 steel trough cone (Ref. No. 32). Loosely assembly the (6) 1/4 x 1 1/4 hex screws through the casting and cone with a flat washer, lockwasher and hex nut on the inside (Ref. Nos. 21, 22, 23 and 24).
- Check inside of the cone to be sure casting is sitting flat on the top of the cone. Put into position and tighten the (6) nuts securely.
- For model with steel trough (M5R) proceed to step No. 4.
- STEP 3: Attach trough cone (Ref. No. 12) to trough (Ref. No. 31). Use 1/4 x 3/4 screws with flat washers under the heads, and lockwashers and nuts underneath (Ref. Nos. 20, 21, 22 and 23).
- STEP 4: Attach lugs (Ref. No. 5) to lower shell section using 1/4 x 3/4 screws, lockwashers and nuts (Ref. Nos. 20, 21 and 22). Tighten.
- STEP 5: Insert lower spider assembly (Ref. No. 10) into lower shell assembly and align (3) bolt holes. Bolt with (3) 1/4 x 3/4 screws, with flat washer under head and lockwasher under nut (Ref. Nos. 20, 21, 22 and 23).
- STEP 6: Position lower shell section over trough and cone and align large flat washer (Ref. No. 14) at top center hole of lower spider assembly.
- STEP 7: Insert cast iron plug (Ref. No. 15) in top of pipe. Insert pipe (Ref. No. 9) thru washer and spider into cone hub casting (Ref. No. 11) keeping cast iron plug at top (Ref. No. 15). The end of the pipe nearest the pin (Ref. No. 9) goes in the cone casting. Insert (2) 3/8 x 1 square head screws (Ref. No. 13) into cone casting and tighten to hold pipe.
- STEP 8: Place 1/2 steel ball (Ref. No. 16) with small amount of grease, into pipe plug hole (Ref. No. 15).
- STEP 9: Bolt ends of top shell section (green stripe) and center shell section (red stripe - used in 10 bu. feeder only) with 1/4 x 3/4 hex screws using a 1/4 flat washer under each bolt head and lockwasher under each nut (Ref. Nos. 20, 21, 22 and 23). Leave out bottom bolt in top shell until positioned on lower shell.
- STEP 10: Attach galvanized arms (Ref. No. 7) to top brace arm casting using 1/4 x 1 machine screws, lockwasher and nut (Ref. Nos. 19, 22 and 21). Tighten. Position in top shell and bolt with (6) 1/4 x 3/4 screws, washers, lockwashers and nuts (Ref. Nos. 20, 21, 22 and 23). NOTE: Vice grips help spring arms together and align with holes.
- STEP 11: Fit top shell over lower shell (5 bu. feeder) with top brace arm casting fitting down over the pipe. Bolt the top shell to the one below it using 1/4 x 3/4 screws, lockwashers and nuts (Ref. Nos. 20, 21, 22 and 23). Tighten all bolts securely.
- STEP 12: Turn adjusting handle (Ref. No. 17) into top brace arm casting (Ref. No. 6). Adjust until lower shell has sufficient clearance from trough and cone for proper feed flow and easy rotation. Then turn locking handle down over a top brace arm. For model with cover (M5R), assemble cover hole snap plug into center hole of cover (Ref. No. 18).

Extra hardware will remain.