

PARTS CATALOG

FOR YOUR

SUPER 47BD



Grain, Seed and Bean Cleaners

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SUPER 47BD CLEANER PARTS SET UP WITH BRUSH SCREEN CLEANING

PAGE NUMBER	GROUP DRAWING
.....1	Front Air Damper.....
.....2	Back Air Damper.....
.....3	Top Fan Shaft.....
.....4	Top Air Discharge Auger Valve.....
.....5 & 6	Does Not Apply To This Manual
.....7	Brush Adjusting System
.....8	Tilting Rod Assembly.....
.....9	Rope Sheave Assembly
.....10	Brush Carriage Assembly
.....11	Bottom Fan Shaft.....
.....12	Bottom Fan Shaft.....
....13 Thru 14	Does Not Apply To This Manual
.....15A	Eccentric Shaft.....
....16 Thru 23	Does Not Apply To This Manual
.....24	Adjustable Belt Take-Ups.....
.....25	Does Not Apply To This Manual
.....26	Air Trunk Assembly
....27 Thru 29	Does Not Apply To This Manual
.....30A	Rocker Assembly View.....
....31 Thru 32	Does Not Apply To This Manual
.....33	Bottom Shoe Assembly.....

Top Fan Section

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
All	26	Not Available	1	Air Trunk Assembly Complete (Includes Below)
5	3	F01600700	1	1-11/16" x 57-3/4" Top Fan Shaft
10	3	F92401110	2	1-11/16" Pillow Block Bearing
18	3	F05500600	2	6" Wide Hide Static Fan Assembly
215	26	F05502201	1	Right Side Top Fan Housing Assembly (Includes 2 Sides & Metal)
215	26	F05502202	1	Left Side Top Fan Housing Assembly(Includes 2 Sides & Metal)
15	1	F05003900	2	Top Fan Bleeder Inlet Slide Assembly
11	1	F04303132	1	Adjusting Handle & Rod 32" Long for top air
11	1	F04303118	1	Adjusting Handle & Rod 18" long
**	1	F04001600	1	Hand Crank Handle with wood Knob
4	1	F05313000	2	Adjusting handle shaft Bearing
	1	F01013500	2	Valve Control Assy Complete (Includes Parts Listed Below)
1	1	F01005500	1	Universal Joint
9	1	F01805800	1	6" Threaded Screw Shaft with 5/8" Shank
13	1	F04313500	1	Swivel Plate (bolts to wood side)
	1	F04313100	1	Plain Pivot Nut
14	1	F04314800	1	Swivel Arm Pivot Lever
	1	F04313200	1	Threaded Pivot Nut

****Refers to the previous listing number. May give parts within that assembly, right side-left side numbers, or numbers for parts that are specific to RH or LH machines.**

Note: Front of the Machine is Where the Screens are Inserted Into the Machine. Discharge Spouts are Determined by Standing at the Front and Facing the Machine. Right Hand Discharge Spouts Would Discharge Towards Your Right Hand.

TOP AIR DISCHARGE VALVE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
21	ALL	F04500000	1	Complete Valve (9 wide)(Shaft not Included)
20	4	F01618000	1	Top Valve Shaft 1" x 48"
22	4	F04800010	1	Hinged Gate Weldment (9 wide)
**		F04600510	1	Gate Board
**		F92700004	2	Gate Springs
23	4	F04501401	1	#9 Discharge Roll Assembly with Flanges (Around 30" Long)
25	4	40000038	4	1" Bore Flangette Stampings
186	4	F92460200	2	1" Bearing
		F08310401	1	Right Hand Top Air Discharge Spout
		F08310402	1	Left Hand Top Air Discharge Spout
23		F04501700	*1	#7 Discharge Roll Assembly with Flanges (Around 26" long)

BRUSH SCREEN CLEANING SYSTEM

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
38	7	F01004901	3	Brush Adjusters - Idler Side (Left Hand Side)
**	7	F01004902	3	Brush Adjusters - Idler Side (Right Hand Side)
43	7	F01106300	3	Idler Arm Support
43A	7	F82080060	3	Bolt for Brush Adjusters (Both Sides)
39		Not Available	3	Brush Adjusters-Control Side (Left Hand Side)
**	7	F01003002	3	Brush Adjusters - Control Side (Right Hand Side)
42	7	F01105400	3	Adjustments Handle with Spring
42A	7	F82080060	3	Bolt for Brush Adjusters (Both Sides)
41	9	F01104300	12	One Hole Plate with 1-5/8" Bore
51	9	F11807001	2	Straight Jack Plate
51		F01104110	2	Jack Plates-Three Hole Right Hand Side
**	9	F01000200	12	Rope Sheave Assembly Complete (Includes Below)
46	9	F01401300	1	3" Rope Sheave Only with Bushing
50	9	F01802401	1	Rope Sheave Axle with Hardware
40	9	F01101500	1	Rope Sheave Bracket Only
54		F09500600	*3	Brush Carrier Assembly 15" x 27" (Brushes not included)
53	10	F09501400	6	Brush Carrier Roller for 1-3/16" Shaft
56	10	F09802401	6	Carrier Roller Axle with Hardware
	10	F10000020	6	31" Black Course Brushes
	10	F10000010	6	31" White Course Brushes(Used on Wire Screens Only)
48		F01612107	3	Brush Carrier Shafts 1-3/16" x 44-9/16"
55	10	F09800100	3	2 Piece Cable Clamps
		F97700003	50	Wirelon Plastic Coated Steel Cable (In Feet)

**BOTTOM FAN ASSEMBLY
With 1-1/2" Shaft**

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
59	12	F01632400	1	Fan Shaft 1-1/2" X 59" (Includes Keys)
71	12	F19803601	2	3/8" X 5" Keys
		Not Available	2	6715 Halfmoon Bridgetree Housing with Bearing
		F92400022	2	Bearing <u>Insert Only</u> for Above
Note: If housing is bad Items 72 & 62 must be substituted				
72	11	F92401080	2	1-1/2" Pillow Block Bearing
62	11	F02707300	2	Bridgetree Mounting Angle for Bearing
68	11	F19701100	1	9" Diameter 1-1/2" Bore Stationary Disc
69	11	F19700900	1	9" Diameter 1-1/2" Bore Spring End Disc
70	11	F92700007	1	10" Heavy Duty Spring
67	11	F19700800	1	Hand Nut for 1-1/2" Shaft
513	15A	F91180017	1	ATF 17 Variable Air Regulator Belt(1-7/8" x 79")
**	12	F06002682	1	Bottom Fan Assembly Complete(includes 60,63 & Bolts)
60	12	F01701100	4	Wooden Fan Blades
63	12	F06001000	2	Spider Fan Arms

**BOTTOM FAN ASSEMBLY
With 1-3/16" Shaft**

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
59		F01608000	1	Fan Shaft 1-3/16" x 53"
71	12	F19803800	2	1/4" x 4" Keys
		Not Available	2	Halfmoon Bridgetree Housing with Bearing
Note: If housing is bad Items 72 & 62 must be substituted				
72	11	F92401031	2	1-3/16" Pillow Block Bearing
62	11	F02707300	2	Bridgetree Mounting Angle for Bearing (Must Be Modified)
68		F19701700	1	9" Diameter 1-3/16" Bore Stationary Disc
69		F19701300	1	9" Diameter 1-3/16" Bore Spring End Disc
70	11	F92700005	1	8" Heavy Duty Spring
67		F19701900	1	Hand Nut for 1-3/16" Shaft
513	15A	F91180017	1	ATF 17 Variable Air Regulator Belt(1-7/8" x 79")
**	12	F06002677	1	Bottom Fan Assembly Complete(includes 60,63 & Bolts)
60	12	F01701100	4	Wooden Fan Blades
63		F06001600	2	Spider Fan Arms

ECCENTRIC SHAFT ASSEMBLY
1-1/2" Shaft

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
85	15A	F01603800	1	Eccentric Shaft 1-1/2" X 58" (Includes Keys)
89		Not Available	2	6714 Halfmoon Flange Bearing
**		F92400022	1	1-1/2" Bearing Insert Only for Below
89		F92053126	1	6714 Flange Bearing Conversion Kit
89		F92401080	1	1-1/2" Pillow Block Bearing
87	15A	F92441082	1	7475 1-1/2" Halfmoon Bearing Complete w/Bearing
**		F92400026	1	1-1/2" Halfmoon Bearing Insert Only for Above
93	15A	F19701100	1	9" Diameter 1-1/2" Bore Stationary Disc
92	15A	F19701000	1	9" Diameter 1-1/2" Bore Thrust End Disc
94	15A	F19500700	1	1-1/2" Adjusting Nut (Includes Zerk with Plug #24)
88	15A	F92452090	1	B-34 Thrust Bearing
515	15A	F01104600	2	Counterweight Ends
514	15A	F19805200	1	Counterweight 19-13/16"
91	15A	F19503600	2	1-1/2" Throw Eccentric Assembly Complete (Includes Below)
**		F92400053	1	Bearing Insert for Eccentric Assembly
**		F19804004	1	1-1/2" Bore 1/2" Throw Eccentric Hub
**		F19703000	1	Eccentric Housing for Assembly
513	15A	F19601001	1	Pitman Left Side
512	15A	F19600901	1	Pitman Right Side

MAIN SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
131		F0300940-	1	Bottom Shoe Complete with Rockers
138		F03121501	1	Right Shoe Side
***		F03121502	1	Left Shoe Side
		F03109500	1	Pitman Board 3/4" x 7-1/2" x 37"
132	19	F03016510	2	Front Hanger with Block , Both Sides
137	19	F03102601	2	Shoeside Hanger Support Block
133		F03016520	2	Back Shoe Hanger with Block
432	33	F03101720	2	Wood Sand Spout Track (Cut to Length)
433	33	F03301002	2	Metal Sand Spout Guide (Cut to Length)
431	33	F08306302	1	Sand Spout Left Hand Machines (Check Measurements)
431	33	F08306301	1	Sand Spout Right Hand Machines (Check Measurements)
441	33	F08301101	1	Second Straw Spout Left Hand Machines (Check Measurements)
441	33	F08301100	1	Second Straw Spout Right Hand Machines (Check Measurements)
441	33	F08305700	1	Straw Spout-Machines Built after 1974 (Check Measurements)
44	8	F01200203	6	Pinion Gear with 3/4" Bore
45	8	F01200300	6	4" Long Rack
49	8	F01801700	6	Escutcheon Plate
47	8	F01608301	3	Tilting Rod 3/4" X 40-1/2"
52	8	66276400	3	3/4" Hex Nut
192		F03401500	1	Canvas Apron Assembly
145		F03501300	2	Top and Middle Rocker Assembly Complete (Includes Parts Below)
151		F03600801	1	Right Hand Wood Rocker Arm Only (Top and Middle)
***		F03600802	1	Left Hand Wood Rocker Arm Only (Top and Middle)
144	30	F03500800	2	Screen Hook Assembly
153	30	F03800413	2	60" Screenway Liner (Cut to Length)
156	30	F03801100	2	60" Rubber Holding Strip (Cut to Length)
159	30	F91152006	8	Rubber Seal 2-1/2" Wide (In Feet)
***		F03806000	2	Screen Stop
176	30	F03800003	2	Bottom Rocker Brace
141		F03310007	1	Grain Stop Assembly
175	30	F03500600	2	Rocker Pivot Cup (Brush Style)
***		F03505900	2	Rocker Pivot Cup (Ball Tray Cleaning)
		F90005305	1	Rocker Adjusting Girt
		F11302512	1	Adjusting Girt Cover Plate

MAIN SHOE ASSEMBLY CONTINUED

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
145		F03501200	1	Bottom Rocker Assembly Complete (Includes Parts Below)
151		F03600901	1	Right Hand Wood Rocker Arm Only (Bottom)
***		F03600902	1	Left Hand Wood Rocker Arm Only (Bottom)
144	30	F03500800	2	Screen Hook Assembly
153	30	F03800413	2	60" Screenway Liner (Cut to Length)
156	30	F03801100	2	60" Rubber Holding Strip (Cut to Length)
159	30	F91152006	8	Rubber Seal 2-1/2" Wide (In Feet)
***		F03806000	2	Screen Stop
176	30	F03800003	2	Bottom Rocker Brace
141		F03310007	1	Grain Stop Assembly
175	30	F03500600	2	Rocker Pivot Cup (Brush Style)
***		F03505900	2	Rocker Pivot Cup (Ball Tray Cleaning)
		F90005305	1	Rocker Adjusting Girt
		F11302512	1	Adjusting Girt Cover Plate

**Note: Front of the Machine is Where the Screens are Inserted Into the Machine.
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PULLEYS & BELTS

Machines Without Variable Shoe Shake

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
				Motor to Top Fan
172	15A	F91932124		3B12.4 Top Fan Shaft Driven Sheave
***		F44010921	1	SK Bushing 1-11/16"
***		F91932064	1	3B6.4 Top Fan Drive Motor Sheave
172A	15A	44010918	1	SK Bushing for above
				Top Fan to Eccentric Shaft
***		43120115	1	2B5.4 Top Fan Drive Sheave
***		F44010521	1	SDS Bushing 1-11/16"
***		F91922124	1	2B12.4 Eccentricshaft Driven Sheave
***		44010918	1	SK Bushing 1-1/2"
172		F91162136	2	900 RPM Fan to Eccentric Drive Belts B-136
167		F91162051	1	Eccentric Shaft to Brush Jack Drive Belt B51
***		Not Available	1	B4.0 Brush Drive Pulley 1 1/2" See Brush Jack Parts List for Driven Pulley
174		F91162085	1	Hopper Shaft to Valve Belt B85
***		43110155	1	B7.4 Auger Drive Pulley
***		F44010510	1	SDS Bushing 1"
176		F91162128	1	Eccentric Shaft to Hopper Drive Belt B128
***		Not Available	1	B4.0 Hopper Drive Pulley 1 1/2" See Hopper Parts List for Driven Pulley
24	24	F01002803	1	Single Belt Idler Assembly Complete 5-1/2" (Includes Below)
178	24	F01100100	1	Idler Pivot Lever
191	24	F01806202	1	5-1/2" Belt Take Up Shaft
179	24	F01103300	1	1" Cast Iron Pillow Block
180	24	F01400700	1	Idler Sheave with Bushing
185	24	F01805010	1	Belt Tightner Axle with Hardware