

# SUPER X5868D WITH BALL TRAYS

PAGE NUMBER	DESCRIPTION
.....1	Front Air Damper.....
.....2	Back Air Damper.....
.....3	Top Fan Shaft.....
.....4	Top Air Discharge Valve.....
.....5	Damper Assembly.....
.....6	Back Settling Chamber Auger.....
.....7	Does Not Apply to This Manual
.....8	Tilting Rod Assembly.....
.....9	Does Not Apply to This Manual
.....10	Does Not Apply to This Manual
.....11 & 12	Bottom Fan Shaft.....
.....13 & 14	Counter Shaft.....
.....15	Eccentric Shaft.....
.....16A	Eccentric Shaft.....
.....17	Pitman Assembly.....
.....18	Top Shoe Assembly.....
.....19	Bottom Shoe Assembly.....
.....20	Bridge Plate.....
.....21	Screen Hooks.....
.....22	Telescoping Aprons.....
.....23	Catchall Spouts.....
.....24	Adjustable Belt Take-Ups.....
.....25	Bottom Fan Metal .....
.....26	Air Trunk Assembly .....
.....27 thru 29	Does Not Apply to This Manual
.....30	Rocker Assembly View .....
.....31 & 32	Does Not Apply to This Manual
.....33	Bottom Shoe Assembly .....

## Top Fan Section

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
5	3	F01602600	1	1-15/16" X 85-3/4" Top Fanshaft
10	3	F92401150	2	1-15/16" Bore Pillow Block Bearing
11		F04303118	1	Adjusting Handle & Crank <b>(18" Long for back air)</b>
12	1	F04303132	1	Adjusting Handle & Crank <b>(32" Long for top air)</b>
	1	F04001600	1	Hand Crank Handle with wood Knob
16	2	F05006720	1	Back Air Damper with End Castings
17	1	F05003705	1	Front Air Damper with End Castings
	1	F01013500	2	Valve Control Assy Complete ( <b>Includes 1 Each Below</b> )
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
18	3	F05502500	2	High Static Fan Wheel Assembly with 10" Wide Blade
215	26	F05501203	1	Right Side Top Fan Housing Assembly ( Includes 2 Sides & Metal)
215	26	F05501206	1	Left Side Top Fan Housing Assembly( Includes 2 Sides & Metal)
15	1	F05003900	2	Top Fan Bleeder Inlet Slide Assembly

**\*\*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 ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
21	All 4	F04500001	1	Complete Valve Assembly ( <b>Includes Below</b> )
22	4	F04800002	1	Hinged Gate Weldment 34-3/8"
**		F04600502	1	Gate Board 43-1/8"
**		F92700004	2	Gate Springs
23	4	F04501402	1	#8 Discharge Roll Assembly with Flanges (Wood is 34-3/8" Long)
20	4	F01630402	1	Top Valve Shaft 1" x 50"
20	4	F01630401	2	Shaft Extension 1" x 12"
20	4	F01630403	2	Shaft Coupler
		F92460200	1	1" Bearing Insert
		40000038	2	Flangette Stampings For Above

## BOTTOM/BACK SETTLING CHAMBER & AUGER

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
26	5	F01000900	1	Adjusting Lever with Spring Loaded Knob About 6" Long
32	5	F07000720	1	Wood Damper Assembly with End Castings
31	6	F07000352	1	Complete Auger Assembly for Left Hand Discharge( <b>Parts Below</b> )
28	6	F12900332	1	Shaft with Flighting 76-1/2" for Left Hand Discharge Machine
30	6	F98600005	4	Cleanout Door Latch
37	6	F92460301	2	1-3/16" Flangette Bearing
36	6	40000005	4	Bearing Flangette Stamping (For Above Bearing)
31	6	F07000322	1	Complete Auger Assembly for Right Hand Discharge( <b>Parts Below</b> )
28	6	F12900232	1	Shaft with Flighting 76-1/2" for Right Hand Discharge Machine
30	6	F98600005	4	Cleanout Door Latch
37	6	F92460301	2	1-3/16" Bearing Insert
36	6	40000005	4	Bearing Flangette Stamping (For Above Bearing)

## BOTTOM FAN ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
59	12	F01611220	1	Fan Shaft 1-1/2" X 85-1/2" <b>(Includes Keys)</b>
71	12	F19803601	2	3/8" X 5" Keys
72	11	F92401080	2	1-1/2" Pillow Block Bearing
62	11	F02707300	2	Bridgetree Mounting Angle for Bearing
68	11	F19701600	1	12" Diameter 1-1/2" Bore Stationary Disc with Set Screws
69	11	F19702901	1	12" 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
		F91180150	1	ATF 150 Variable Air Regulator Belt( 2-3/4" x 71")
61	12	F97700052	2	Tapered Fan Entry Cones
**	12	F06002780	1	Bottom Fan Assembly Complete( <b>includes 60,63 &amp; Bolts</b> )
60	12	F01701102	4	Wooden Fan Blades 59-5/8" Long
63	12	F06001000	4	Spider Fan Arms
<b>All</b>	25	F06002100	1	Bottom Fan Drum Assembly Complete ( <b>Includes Below</b> )
201	25	F06303610	1	Bottom Drum Iron 61-5/8" x 88"
202	25	F06303656	1	Drum Iron 71-5/8" x 26-3/4"
203	25	F06302170	1	Discharge Chute 4"
204	25	F06303640	1	Breast Iron 61-5/8" x 24-1/2"
205	25	F06303620	1	Drum Iron 61-5/8" x 22-3/8"

## TOP COUNTERSHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
73	14	F01615600	1	Countershaft 1-1/2" X 85-1/2" ( <b>Includes Keys</b> )
84	14	F19803601	2	3/8" X 5" Keys
83	14	F19803700	1	3/8" X 4-1/2" Keys
76	16A	F92401080	1	1-1/2" Pillow Block Bearing
74	14	F92441083	1	7475 Threaded Pillow Block Bearing Complete w/Bearing
**	14	F92400026	1	1-1/2" Bearing <b><u>Insert Only</u></b> for 7475 Bearing
79	14	F19701600	1	12" Diameter 1-1/2" Bore Stationary Disc with Set Screws
78	14	F19701400	1	12" Diameter 1-1/2" Bore Thrust End Disc
75	14	F92452090	1	B-34 Thrust Bearing
77	14	F19500700	1	1-1/2" Adjusting Nut ( <b>Includes Zerk with Plug #24</b> )
		F19806200	1	Zerk with Plug for Adjusting Nut( <b>Shown in Insert Picture</b> )

## BOTTOM COUNTERSHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
73	14	F01615600	1	Countershaft 1-1/2" X 85-1/2" ( <b>Includes Keys</b> )
84	14	F19803601	2	3/8" X 5" Keys
83	14	F19803700	1	3/8" X 4-1/2" Keys
76	16A	F92401080	1	1-1/2" Pillow Block Bearing
74	14	F92441083	1	7475 Threaded Pillow Block Bearing Complete w/Bearing
**	14	F92400026	1	1-1/2" Bearing <b><u>Insert Only</u></b> for 7475 Bearing
79	14	F19701600	1	12" Diameter 1-1/2" Bore Stationary Disc with Set Screws
78	14	F19701400	1	12" Diameter 1-1/2" Bore Thrust End Disc
75	14	F92452090	1	B-34 Thrust Bearing
77	14	F19500700	1	1-1/2" Adjusting Nut ( <b>Includes Zerk with Plug #24</b> )
		F19806200	1	Zerk with Plug for Adjusting Nut( <b>Shown in Insert Picture</b> )

## ECCENTRIC SHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
85	16A	F01630500	1	Eccentric Shaft 1-1/2" X 83-1/4" <b>(Keys Below)</b>
		F19803601	3	3/8' x 5" Square Keys
		F87300052	4	3/8" x 1-1/4" Woodruff Keys
76	16A	F92401080	1	1-1/2" Pillow Block Bearing
79	16A	F19701600	1	12" Diameter 1-1/2" Bore Stationary Disc with Set Screws
80	16A	F19702902	1	12" Diameter 1-1/2" Bore Spring Disc
97	16A	F92700007	1	10" Heavy Duty Spring
81	16A	F19700800	1	Hand Nut for 1-1/2" Shaft
	17	F19503511	4	Steel Pitman Complete <b>(Includes Below)</b>
90		F19804717	1	Steel Pitman Arm with Needle Bearing
95	17	F92431040	1	Needle Bearing for Pitman
98	17	F92431000	1	Inner Race for Pitman
99	17	F19804704	1	Pitman Bushing
97	17	60265242	1	Pitman Stud Bolt
**	17	70010002	1	Nylon Nut for Stud Bolt
96	17	F19807805	2	Angle Iron Pitman Fasteners
91	15	F19503600	4	1-1/2" Throw Eccentric Assembly Complete <b>(Includes Below)</b>
**		F92400053	1	Bearing Insert for Eccentric Assembly
**		F19804004	1	1-1/2" Bore 1/2" Throw Eccentric Hub
**		F19703000	1	Eccentric Housing for Assembly
		F91180150	1	ATF 150 Variable Shoe Regulator Belt (2-3/4" x 71")
177	15	F01307400	1	21" Flywheel 1-1/2" Bore

## TOP SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
100	18	F03025902	1	<b>Top Shoe Assembly Right Hand <u>Complete</u> with Rockers</b>
110	18	F08002410	1	Top Air Discharge Valve Spout ( <b>Right Hand Discharge</b> )
100	18	F03025903	1	<b>Top Shoe Assembly Left Hand <u>Complete</u> with Rockers</b>
**	18	F08002411	1	Top Air Discharge Valve Spout ( <b>Left Hand Discharge</b> )
106	18	F03142000	2	Shoe Side Wood Only
109	18	F03334300	2	Shoe Bottom Metal 56-1/2" x 38-1/2"
107	18	F03142101	1	Wooden Pitman Board
**	18	F03333000	1	Pitman Board Metal Cover
111	18	F03321202	1	Front Grain Deflector Spout with 6" Rubber
92	18	F03401700	1	Canvas Apron Assembly
108	20	F03318502	1	Bridge Plate 55-3/16" x 4-3/4"
130	18	F08317201	1	Right Side Divided Sand Spout
**	18	F08317202	1	Left Side Divided Sand Spout
		F03333201	2	Back Shoe Side Hanger Plate Weldment
		F03333202	2	Front Shoe Side Hanger Plate Weldment
**		F18602802	4	12" Heavy Duty Shoe Hanger with Needle Bearings
		F92431040		Needle Bearing For Above
		F92431000	8	Inner Race For Above Hanger
		F03705600	2	Millside Hanger Assembly , 4 Bolt Pattern with Sliding Stub Shaft
		F03333210	2	Millside Hanger Weldment , 2 Bolt Pattern with Welded Stub Shaft

### Rocker Adjustment Assembly

44	8	F01200203	4	Pinion Gear with 3/4" Bore
45	8	F01200400	4	6" Long Rack X5868
47	8	F01608303	2	Tilting Rod 3/4" X 60-1/2"
49	8	F01818500	4	Escutcheon Plate X5868
52	8	66276400	2	3/4" Hex Nut
		F90005057	4	Ball Tray Weldment ( <b>For 26" Section</b> )
		F90005068	2	Ball Tray Weldment ( <b>For Top 34" Section</b> )
		F80026102	432	White 1-3/8" Balls ( 72 Per Tray)

**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 SHOE ASSEMBLY CONTINUED**

<b>ITEM NO.</b>	<b>PAGE NO.</b>	<b>PART NUMBER</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
115	18	F03505701	1	Top Rocker Assembly Complete <b>(Includes Below)</b>
145	30	F03602801	1	Right Hand Top Wooden Rocker Arm Only
**		F03602805	1	Left Hand Top Wooden Rocker Arm Only
153	30	F03305816	2	101.5" Metal Screenway Liner
156	30	F03801100	4	60" Metal Rubber Holding Strip (Customer to cut)
159	30	F91152006	16.5	Rubber Seal 2-1/2" Wide (In Feet)
		F03601610	1	Back Board
		F03803400	2	Back Board Metal Supports
144	30	F03500800	2	Screen Hook Assembly
177	30	F03505800	1	Rocker Top Pipe Girt #8
176	30	F03800002	3	Rocker Bottom Cross Brace #8
**	18	F10511820	1	Removeable Blank 54" x 11"
175	30	F03500600	2	Rocker Cup Weldment (Pivot point of Rocker)
		F11301702	2	Ball Tray Support Rail 49.5"
		F11301704	2	Ball Tray Support Rail 42.5"
115	18	F03505702	1	Bottom Rocker Assembly Complete <b>(Includes Below)</b>
145	30	F03602802	1	Right Hand Bottom Wooden Rocker Arm Only
**		F03602806	1	Left Hand Bottom Wooden Rocker Arm Only
153	30	F03800403	2	86" Metal Screenway Liner
		F03806000	2	Screen Stop
156	30	F03801100	4	60" Metal Rubber Holding Strip (Customer to cut)
159	30	F91152006	15	Rubber Seal 2-1/2" Wide (In Feet)
144	30	F03500800	2	Screen Hook Assembly
177	30	F03505800	1	Rocker Top Pipe Girt #8
176	30	F03800002	3	Rocker Bottom Cross Brace #8
141	30	F03310009	1	Grain Stop Assembly with 2.5" Rubber
175	30	F03500600	2	Rocker Cup Weldment (Pivot point of Rocker)
		F90005300	1	Rocker Adjustment Metal Girt
		F11301715	2	Ball Tray Support Rail 39"
		F11301704	2	Ball Tray Support Rail 42.5"



## BOTTOM SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
424	33	F03026075	1	Bottom Shoe Complete with Rockers ( <b>Right Hand Discharge</b> )
**		F08002604	1	Sand Spout ( <b>Right Hand Discharge</b> )
**		F08308810	1	Straw Spout ( <b>Right Hand Discharge</b> )
**		F03026076	1	Bottom Shoe Complete with Rockers ( <b>Left Hand Discharge</b> )
431	33	F08002601	1	Sand Spout ( <b>Left Hand Discharge</b> )
441	33	F08308801	1	Straw Spout ( <b>Left Hand Discharge</b> )
425	33	F031412002	1	Right Shoe Side
**		F03142003	1	Left Shoe Side
422	33	F03120207	1	Wooden Pitman Board
440	33	F03334400	1	Bottom Shoe Metal 56-1/2" x 42-3/4"
433	33	F03101720	2	Wood Sand Spout Track
432	33	F03301002	2	Metal Sand Spout Guide
		F03026100	1	Two Way Back Valve Assembly( <b>Includes Outside Arm</b> )
		F03333203	4	Shoe Side Hanger Plate Weldment
**		F18602802	4	12" Heavy Duty Shoe Hanger with Needle Bearings
		F92431040		Needle Bearing For Above
		F92431000	8	Inner Race For Above Hanger
		F03705600	2	Millside Hanger Assembly , 4 Bolt Pattern with Sliding Stub Shaft
		F03333210	2	Millside Hanger Weldment , 2 Bolt Pattern with Welded Stub Shaft

### Rocker Adjustment Assembly

44	8	F01200203	4	Pinion Gear with 3/4" Bore
45	8	F01200400	4	6" Long Rack
49	8	F01818500	4	Escutcheon Plate
47	8	F01608303	4	Tilting Rod 3/4" X 60-1/2"
52	8	66276400	4	3/4" Hex Nut
		F90005057	4	Ball Tray Weldment ( <b>For 26" Section</b> )
		F90005068	2	Ball Tray Weldment ( <b>For Top 34" Section</b> )
		F80026102	432	White 1-3/8" Balls ( 72 Per Tray)

**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.**

**BOTTOM SHOE ASSEMBLY CONTINUED**

<b>ITEM NO.</b>	<b>PAGE NO.</b>	<b>PART NUMBER</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
437	33	F03505703	1	Top Rocker Assembly Complete <b>(Includes Below)</b>
438	33	F03602803	1	Right Hand Top Wooden Rocker Arm Only
**		F03602807	1	Left Hand Top Wooden Rocker Arm Only
153	30	F03800403	2	86" Metal Screenway Liner (Screen Row)
		F03800401	2	77" Metal Screenway Liner (Blank Row)
156	30	F03801100	4	Metal Rubber Holding Strip (Customer to Cut)
159	30	F91152006	15	Rubber Seal 2-1/2" Wide, In Feet (Top of Rocker Arm)
		F91152004	13	Rubber Seal 1-1/2" Wide, In Feet (Blank Row)
155		F03806000	2	Screen Stop
144	30	F03500800	4	Screen Hook Assembly
175	30	F03500600	2	Rocker Cup - Brush Screen Cleaning
		F11301718	2	Ball Tray Support Rail 52.5"
		F11301705	2	Ball Tray Support Rail 35.5"
429	33	F03506301	2	Top Rocker Telescoping Apron, Top Half
		F03806302	1	Top Rocker Telescoping Apron, Screenway Bottom Half
		F03806303	1	Top Rocker Telescoping Apron, Blank Bottom Half
		F10511400	1	Two way Splitter
		F10516500	1	54" x 7" Screen Blank <b>(Used When Splitter Is Not)</b>
435	33	F03505704	1	Bottom Rocker Assembly Complete <b>(Parts Listed Below)</b>
436	33	F03602804	1	Right Hand Bottom Wooden Rocker Arm Only
436	33	F03602808	1	Left Hand Bottom Wooden Rocker Arm Only
153	30	F03805816	2	Metal Screenway Liner 101.5"
156	30	F03801100	4	Metal Rubber Holding Strip (Cut to Length)
144	30	F03500800	2	Screen Hook Assembly
		F03800002	4	Rocker Bottom Cross Brace #8
159	30	F91152006	17	Rubber Seal 2-1/2" wide (In Feet)
155		F11302685	1	Screen Stop Right Hand
155		F11302686	1	Screen Stop Left Hand
175	30	F03500600	2	Rocker Cup - Brush Screen Cleaning
		F11301700	2	Ball Tray Support Rail 59.5"
		F11301706	2	Ball Tray Support Rail 34.5"
		F10511530	1	54" x 13" Screen Blank w/Deflector

430	33	F03506301	2	Top Rocker Telescoping Apron, Top Half
430	33	F03806304	1	Bottom Rocker Telescoping Apron, Bottom Half

### MISCELLANEOUS PARTS

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
182	18	F08007000	2	Hinged Side Spout Diverter
182	18	F08007100	2	Side Spout Diverter Extension
183	23	F08502202	1	Inside Center Discharge Catchall Spout with 8" Lip
184	23	F08502301	1	Outside Center Discharge Catchall Spout with 12" Lip
181	23	F01800100	2	Right Side 3 Position Catchall Holder
**	23	F01800200	2	Left Side 3 Position Catchall Holder
193	All 24	F01002803	1	Belt Idler Assembly Complete 5-1/2" <b>(Includes Below)</b>
178	24	F01100100	1	Idler Pivot Lever
191	24	F01806202	1	5-1/2" Belt Take Up Shaft
179	24	F01103300	1	1" CI Pillow Blocks
180	24	F01400700	1	Idler Sheave with Bushing
185	24	F01805010	1	Belt Tightner Axle with Hardware

### PULLEYS & BELTS

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
		F91922058	1	2B5.0 Top Fan Shaft Drive Sheave
		44010525	1	SDS Bushing for above
		43120280	1	2B13.6 SK Top Countershaft Sheave
		44010918	1	SK Bushing for Above Sheave
		F91162128	2	B-128 Belt (From Top Countershaft to Top Fan Shaft )
		43120079	2	2B7.4 SK Sheave ( From Top Countershaft to Bot Countershaft)
		44010918	2	SK Bushing for Above Sheave
167		F91162144	2	B-144 Belt (From Countershaft to Bottom Countershaft)
169		F91912184	1	1B18.4 SK Top Valve Shaft Sheave
**		44010910	1	SK Bushing for Valve Shaft Sheave
175		43110079	1	1B3.6 Countershaft Drive Sheave
**		44010725	1	SH Bushing for above
168		F91162112	1	B-112 Belt (From Countershaft to Top Valve Shaft Discharge)

## **PULLEYS & BELTS CONTINUED**

<b>ITEM NO.</b>	<b>PAGE NO.</b>	<b>PART NUMBER</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
		F91912044	1	1B4.4 Countershaft Drive Sheave
		44010318	1	SH Bushing for above
		F91912124	1	1B12.4 SDS Back Discharge Auger Sheave
		44010513	1	SDS Bushing for above
		F91162136	1	B-136 Belt (From Countershaft to Discharge Auger Discharge)