

SUPER X2958D

REMOVABLE 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 & 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	F01601400	1	1-15/16" X 79" Top Fanshaft
10	3	F92401150	2	1-15/16" Bore Pillow Block Bearing
11		F04303122	1	Adjusting Handle & Crank (22" Long for back air)
12	1	F04303128	1	Adjusting Handle & Crank (28" Long for top air)
4	1	F05313000	2	Adjusting handle shaft Bearing
	1	F04001600	1	Hand Crank Handle with wood Knob
16	2	F05006720	1	Back Air Damper with End Castings
17	1	F05003703	1	Front Air Damper with End Castings
	1	F01013500	2	Valve Control Assy Complete (Includes 1 Each 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
18	3	F05502400	2	High Static Fan Wheel Assembly with 8" Wide Blade
215	26	F05501202	1	Right Side Top Fan Housing Assembly (Includes 2 Sides & Metal)
215	26	F05501205	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 (Includes Below)
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 Assemblby with Flanges (Wood is 34-3/8" Long)
25	4	F92460200	2	1" Bearing Insert
186	4	40000038	4	Flangette Stampings For Above
20	4	F01617800	1	Top Valve Shaft 1" X 70" (ALL OLDER MACHINES) Or
20	4	F01630402	1	Top Valve Shaft 1" x 50" (NEWER MACHINES MID 80'S ON)
20	4	F01630401	2	Shaft Extension 1" x 12"
20	4	F01630403	2	Shaft Coupler

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
29	5	F01800880	1	Adjusting Plate (Mounts to Wood Side)
32	5	F07000720	1	Wood Damper Assembly with End Castings
31	6	F07000350	1	Complete Auger Assembly for Left Hand Discharge(Parts Below)
28	6	F12900317	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	F07000320	1	Complete Auger Assembly for Right Hand Discharge(Parts Below)
28	6	F12900217	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)

**Note: Front of the Machine is Where the Screens are Inserted Into the Machine.
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Right Hand Discharge Spouts Would Discharge Towards Your Right Hand.

BOTTOM FAN ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
59	12	F01615901	1	Fan Shaft 1-1/2" X 79" (Includes Keys)
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	F06002778	1	Bottom Fan Assembly Complete(includes 60,63 & Bolts)
60	12	F01701101	4	Wooden Fan Blades
63	12	F06001000	4	Spider Fan Arms
All	25	F06002002	1	Bottom Fan Drum Assembly Complete (Includes Below)
201	25	F06302705	1	Bottom Drum Iron 57-5/8" x 88"
202	25	F06302707	1	Drum Iron 57-5/8" x 26-3/4"
203	25	F06302106	1	Discharge Chute 4"
204	25	F06302708	1	Breast Iron 57-5/8" x 24-1/2"
205	25	F06302706	1	Drum Iron 57-5/8" 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" (Includes Keys)
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 Pillow Block Bearing Complete w/Bearing
**	14	F92400026	1	1-1/2" Bearing <u>Insert Only</u> 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 (Includes Zerk with Plug #24)
		F19806200	1	Zerk with Plug for Adjusting Nut(Shown in Insert Picture)

BOTTOM COUNTERSHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
73	14	F01616710	1	Countershaft 1-1/2" X 82-3/4" (Includes Keys)
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 Pillow Block Bearing Complete w/Bearing
**	14	F92400026	1	1-1/2" Bearing <u>Insert Only</u> 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 (Includes Zerk with Plug #24)
		F19806200	1	Zerk with Plug for Adjusting Nut(Shown in Insert Picture)

ECCENTRIC SHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
85	16A	F01616902	1	Eccentric Shaft 1-1/2" X 82-1/2" (Includes Keys)
		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
**		F92400022	1	1-1/2" Bearing <u>Insert Only</u> for Above
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
90	17	F19503501	4	Steel Pitman Complete (Includes Below)
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	F19804702	2	Angle Iron Pitman Fasteners
91	15	F19503600	4	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
		F91180112	1	ATF 112 Variable Shoe Regulator Belt (2-3/4" x 68")
177	15	F01307500	1	19" Flywheel 1-1/2" Bore

TOP SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
100	18	F03013304	1	Top Shoe Assembly <u>Complete</u> with Rockers
101	18	F03014000	1	Grain Deflector Door complete w/Door Ends & Metal Deflector
188	18	F03322802	2	Grain Door Ends
102	18	F03016400	2	Shoe Front Hanger with Top Block (customer to cut to length)
103	18	F03016400	2	Shoe Back Hanger with Top Block (customer to cut to length)
105	18	F03102600	2	Shoe Front Hanger Support Block
104	18	F03101902	2	Wood Cross Hanger Girt 65"
92	18	F03401700	1	Canvas Apron Assembly
106	18	F03124501	1	Right Shoe Side Wood Only
**		F03124502	1	Left Shoe Side Wood Only
107	18	F03123901	1	Wooden Pitman Board
**	18	F03323103	1	Pitman Board Metal Cover
108	20	F03318502	1	Bridge Plate 55-3/16" x 4-3/4"
109	18	F03300703	1	Shoe Bottom Metal 56-1/2" x 46-1/2"
**	18	F03320702	1	Shoe Bottom Metal 56-1/2" x 22"
110	18	F08002406	1	Top Air Discharge Valve Spout (Right Hand Discharge)
**	18	F08002409	1	Top Air Discharge Valve Spout (Left Hand Discharge)
111	18	F03321202	1	Front Grain Deflector Spout with 6" Rubber
130	18	F08302401	1	Right Side Divided Sand Spout
**	18	F08302402	1	Left Side Divided Sand Spout
127		F03803601	1	Grain Stop Apron
44	8	F01200203	4	Pinion Gear with 3/4" Bore
45	8	F01200300	4	4" Long Rack
47	8	F01608303	2	Tilting Rod 3/4" X 60-1/2"
49	8	F01801700	4	Escutcheon Plate
52	8	66276400	2	3/4" Hex Nut

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TOP SHOE ASSEMBLY CONTINUED

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
115	18	F03502110	1	Top Rocker Assembly Complete (Includes Below)
145	30	F03601400	1	Right Hand Top Wooden Rocker Arm Only 77" Long
**		F03601402	1	Left Hand Top Wooden Rocker Arm Only 77" Long
153	30	F03800418	2	77" Metal Screenway Liner
156	30	F03801101	2	77" Metal Rubber Holding Strip
159	30	F03900110	2	77" Rubber Seal 2-1/2" Wide
124	18	F03806000	2	Screen Stop
144	30	F03500800	2	Screen Hook Assembly
177	30	F03505800	1	Rocker Top Pipe Girt #8
176	30	F03800002	2	Rocker Bottom Cross Brace #8
**	18	F03803301	1	Removeable Blank
175	30	F03500600	2	Rocker Cups
116	18	F03502210	1	Bottom Rocker Assembly Complete (Includes Below)
145	30	F03601401	1	Right Hand Bottom Wooden Rocker Arm Only 60" Long
**		F03601403	1	Left Hand Bottom Wooden Rocker Arm Only 60" Long
153	30	F03800413	2	60" Metal Screenway Liner
156	30	F03801100	2	60" Metal Rubber Holding Strip
159	30	F03900100	2	60" Rubber Seal 2-1/2" Wide
124	18	F03806000	2	Screen Stop
127	18	F03803601	1	Grain Stop Apron Assembly
144	30	F03500800	2	Screen Hook Assembly
177	30	F03505800	1	Rocker Top Pipe Girt #8
176	30	F03800002	2	Rocker Bottom Cross Brace #8
112	18	F03500600	2	Rocker Cups
		F90005061	4	Ball Tray Weldment for 1 Piece Screens
			or	
		F90005057	4	Ball Tray Weldment for 2 Piece Screens (For Bottom 26" Section
		F90005068	4	Ball Tray Weldment for 2 Piece Screens (For Top 34" Section)
		F80026101	576	Black 1-3/8" Balls (72 Per Tray)
		F11301707	2	Ball Tray Support Rail 24"
		F11301708	4	Ball Tray Support Rail 31"
		F11301709	2	Ball Tray Support Rail 41"

BOTTOM SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
424	33	F03026277	1	Bottom Shoe Complete with Rockers (Right Hand Discharge)
**		F03026278	1	Bottom Shoe Complete with Rockers (Left Hand Discharge)
425	33	F03141601	1	Right Shoe Side
**		F03141602	1	Left Shoe Side
422	33	F03123901	1	Wooden Pitman Board
423	33	F03323103	1	Pitman Board Metal Cover
		F11303842	2	Pitman Support Angle
440	33	F03320412	1	Bottom Shoe Metal 56-1/2" x 42-3/4"
**	33	F03320411	1	Bottom Shoe Metal 56-1/2" x 36"
134	19	--ASK--	1	Front Grain Deflector Door (Need Three Part Numbers for Assembly)
132	19	F03025301	2	Shoe Front Hanger with Block (Customer to Cut To Length)
137	19	F03102601	2	Shoe Front Hanger Support Block
133	19	F03025302	3	Shoe Back Hanger with Block (Customer To Cut To Length)
136	19	F03101902	1	Cross Girt Wood Hanger 65"
433	33	F03101720	2	Wood Sand Spout Track
432	33	F03301002	2	Metal Sand Spout Guide
431	33	F08002601	1	Sand Spout (Left Hand Discharge)
**		F08002604	1	Sand Spout (Right Hand Discharge)
441	33	F08308801	1	Straw Spout (Left Hand Discharge)
**		F08308810	1	Straw Spout (Right Hand Discharge)
		F03026100	1	Two Way Back Valve Assembly(Includes Outside Arm)
437	33	F03506000	1	Top Rocker Assembly Complete (Includes Below)
438	33	F03602605	1	Right Hand Top Wooden Rocker Arm Only
**		F03602601	1	Left Hand Top Wooden Rocker Arm Only
153	33	F03800407	2	Metal Screenway Liner
156	33	F03801105	2	Metal Rubber Holding Strip
159	33	F91152006	12	77" Rubber Seal 2-1/2" Wide (In Feet)
155		F03806000	2	Screen Stop
144	33	F03500800	2	Screen Hook Assembly
141	33	F03310009	1	Grain Stop Assembly with Rubber
175	33	F03500600	2	Rocker Cup
		F10511810	1	54" x 5" Screen Blank
		F10511400	1	Two way Splitter
158		F10516500	1	54" x 7" Screen Blank (Used When Splitter Is Not)

429 33 F03506200 1 Top Rocker Telescoping Apron Assembly

BOTTOM SHOE ASSEMBLY CONTINUED

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
146		F03506100	1	Bottom Rocker Assembly Complete (Parts Listed Below)
145	33	F03602604	1	Right Hand Bottom Wooden Rocker Arm Only
**		F03602603	1	Left Hand Bottom Wooden Rocker Arm Only
153	33	F03800408	2	Metal Screenway Liner
156	33	F03801106	2	Metal Rubber Holding Strip
159	33	F91152006	13	Rubber Seal 2-1/2" wide (In Feet)
155		F11302685	1	Screen Stop Right Hand
155		F11302686	1	Screen Stop Left Hand
175	33	F03500600	2	Rocker Cup
		F03807500	1	54" x 13" Screen Blank
144	33	F03500800	2	Screen Hook Assembly
430	33	F03502779	1	Bottom Rocker Telescoping Apron Assembly
		F90005061	4	Ball Tray Weldment for 1 Piece Screens
			or	
		F90005057	4	Ball Tray Weldment for 2 Piece Screens (For Bottom 26" Section)
		F90005068	4	Ball Tray Weldment for 2 Piece Screens (For Top 34" Section)
		F80026101	576	Black 1-3/8" Balls (72 Per Tray)
		F11301707	4	Ball Tray Support Rail 24"
		F11301715	2	Ball Tray Support Rail 39"
		F11301713	2	Ball Tray Support Rail 44"
		F03506200	1	Center Blank Support Assembly
		F03602606	1	Wood Arm Right Hand
		F03602602	1	Wood Arm Left Hand
		F03800413	2	Metal Screenway Liner
		F03801100	2	Metal Rubber Holding Strip
		F91152006	13	Rubber Seal 2-1/2" wide (In Feet)
		F11302685	1	Screen Stop Right Hand
144	33	F03500800	2	Screen Hook Assembly
		F03806000	2	Screen Stop
		F10515100	1	54" x 60" Blank Assembly
44	8	F01200203	4	Pinion Gear with 3/4" Bore
45	8	F01200300	4	4" Long Rack
49	8	F01801700	4	Escutcheon Plate

47	8	F01608303	2	Tilting Rod 3/4" X 60-1/2"
52	8	66276400	2	3/4" Hex Nut

MISCELLANEOUS PARTS

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
182	18	F08004000	2	Hinged Side Spout Diverter
183	23	F08502201	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" (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" 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
		F91932050	1	3B5.0 Top Fan Shaft Drive Sheave
		44010725	1	SD Bushing for above
		F91932136	1	3B13.6 SK Top Countershaft Sheave
		44010918	1	SK Bushing for Above Sheave
		F91162105	3	B-105 Belt (From Top Countershaft to Top Fan Shaft)
		F91932136	2	3B6.4 SD Sheave (From Top Countershaft to Bot Countershaft)
		44010718	2	SD Bushing for Above Sheave
167		F91162105	1	B-105 Belt (From Countershaft to Hopper)
		F01303510	1	3-4 Combination Pulley 1-1/2" Bore
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		45002084	1	B-81 Belt (From Countershaft to Top Valve Shaft Discharge)

PULLEYS & BELTS CONTINUED

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
		F91912050	1	1B5.0 Countershaft Drive Sheave
		44010518	1	SDS Bushing for above
		F91912136	1	1B13.6 SDS Back Discharge Auger Sheave
		44010513	1	SDS Bushing for above
		F91162105	1	B-105 Belt (From Countershaft to Discharge Auger Discharge)