

# **SUPER 49D**

## **SET UP WITH BI**

### **PAGE NUMBER**

|               |
|---------------|
| .....1        |
| .....2        |
| .....3        |
| .....4        |
| .....5 & 6    |
| .....7        |
| .....8        |
| .....9        |
| .....10       |
| .....11       |
| .....12       |
| ...13 Thru 14 |
| .....15A      |
| ...16 Thru 23 |
| .....24       |
| .....25A      |
| .....26       |
| ...27 Thru 29 |
| .....30       |
| ...31 Thru 32 |
| .....33       |

| ITEM NO. | PAGE NO. | PART NUMBER   | QTY. |
|----------|----------|---------------|------|
| All      | 26       | Not Available | 1    |
| 5        | 3        | F01600700     | 1    |
| 10       | 3        | F92401150     | 2    |
| 18       | 3        | F05502300     | 2    |
| 215      | 26       | F05501201     | 1    |
| 215      | 26       | F05501204     | 1    |
| 15       | 1        | F05003900     | 2    |
| 12       | 1        | F04303132     | 1    |
| 12       | 1        | F04303118     | 1    |
| **       | 1        | F04001600     | 1    |
| 4        | 1        | F05313000     | 2    |
|          | 1        | F01013500     | 2    |
| 1        | 1        | F01005500     | 1    |
| 9        | 1        | F01805800     | 1    |
| 13       | 1        | F04313500     | 1    |
|          | 1        | F04313100     | 1    |
| 14       | 1        | F04314800     | 1    |
|          | 1        | F04313200     | 1    |

**\*\*Refers to the previous listing number right side-left side numbers, or number machines.**

**Note: Front of the Machine is Where Discharge Spouts are Determined by Right Hand Discharge Spouts Would**

## TOP AIR DISC

| ITEM NO. | PAGE NO. | PART NUMBER | QTY. |
|----------|----------|-------------|------|
| 21       | ALL      | F04500000   | 1    |
| 20       | 4        | F01618000   | 1    |
| 22       | 4        | F04800010   | 1    |
| **       |          | F04600510   | 1    |
| **       |          | F92700004   | 2    |
| 23       | 4        | F04501401   | 1    |
| 25       | 4        | 40000038    | 4    |
| 186      | 4        | F92460200   | 2    |

**NOTE: ASSEMBLY DOES I**

## BRUSH SCREEN

| ITEM NO. | PAGE NO. | PART NUMBER | QTY. |
|----------|----------|-------------|------|
| 39       | 7        | F01003001   | 2    |
|          | 7        | F01106101   | 1    |
| 42       | 7        | F01105400   | 1    |
| 42       | 7        | F82080060   | 1    |
| 38       | 7        | F01004902   | 2    |
|          | 7        | F01106104   | 1    |
| 43       | 7        | F01106300   | 1    |
| 43       | 7        | F82080060   | 1    |
| 39       | 7        | F01003002   | 2    |
| **       | 7        | F01106003   | 1    |
| 42       | 7        | F01105400   | 1    |
| 42       | 7        | F82080060   | 1    |
| 38       | 7        | F01004901   | 2    |
|          |          | F01106001   | 1    |
| 43       | 7        | F01106300   | 1    |
| 43       | 7        | F82080060   | 1    |
| 41       | 9        | F01104300   | 4    |
| 51       | 9        | F11807001   | 2    |
| **       | 9        | F01000200   | 8    |
| 46       | 9        | F01401300   | 1    |
| 50       | 9        | F01802401   | 1    |
| 40       | 9        | F01101500   | 1    |
| 54       |          | F09500200   | 2    |
| 53       | 10       | F09501400   | 4    |
| 56       | 10       | F09802401   | 4    |
|          | 10       | F10002120   | 4    |
|          | 10       | F10002110   | 4    |
| 48       |          | F01612101   | 2    |
| 55       | 10       | F09800100   | 2    |
|          |          | F97700003   | 35   |

## BOTTOM FAN

| ITEM NO. | PAGE NO. | PART NUMBER                   | QTY. |
|----------|----------|-------------------------------|------|
| 59       | 12       | F01615900                     | 1    |
| 71       | 12       | F19803601                     | 2    |
|          |          | <b>Not Available</b>          | 2    |
|          |          | F92400022                     | 2    |
|          |          | <b>Note: If housing is b:</b> |      |
| 72       | 11       | F92401080                     | 2    |
| 62       | 11       | F02707300                     | 2    |
| 68       | 11       | F19701600                     | 1    |
| 69       | 11       | F19702901                     | 1    |
| 70       | 11       | F92700007                     | 1    |
| 67       | 11       | F19700800                     | 1    |
| 513      | 15A      | F91180034                     | 1    |
| **       | 12       | F06002681                     | 1    |
| 60       | 12       | F01701100                     | 4    |
| 63       | 12       | F06001000                     | 3    |

**ECCENTRIC  
(WITH COI**

| <b>ITEM<br/>NO.</b> | <b>PAGE<br/>NO.</b> | <b>PART<br/>NUMBER</b> | <b>QTY.</b> |
|---------------------|---------------------|------------------------|-------------|
| 85                  | 15A                 | F01623500              | 1           |
| 89                  |                     | <b>Not Available</b>   | 2           |
| **                  |                     | F92400022              | 1           |
| 89                  |                     | F92053126              | 1           |
| 89                  |                     | F92401080              | 1           |
| 87                  | 15A                 | F92441082              | 1           |
| **                  |                     | F92400026              | 1           |
| 93                  | 15A                 | F19701600              | 1           |
| 92                  | 15A                 | F19701400              | 1           |
| 94                  | 15A                 | F19500700              | 1           |
| 88                  | 15A                 | F92452090              | 1           |
| 515                 | 15A                 | F01104600              | 4           |
| 514                 | 15A                 | F01804410              | 2           |
| 91                  | 15A                 | F19503600              | 2           |
| **                  |                     | F92400053              | 1           |
| **                  |                     | F19804004              | 1           |
| **                  |                     | F19703000              | 1           |
| 512                 | 15A                 | F19602102              | 1           |
| 513                 | 15A                 | F19602101              | 1           |

## MAIN SHO.

| ITEM NO. | PAGE NO. | PART NUMBER | QTY. |
|----------|----------|-------------|------|
| 424      | 33       | F03006105   | 1    |
| 138      | 30       | F03116801   | 1    |
| ***      |          | F03116802   | 1    |
|          |          | F03116701   | 1    |
| 132      |          | F03016510   | 2    |
| 137      |          | F03102601   | 2    |
| 133      |          | F03016520   | 3    |
| 432      | 33       | F03101720   | 2    |
| 433      | 33       | F03301001   | 2    |
| 431      | 33       | F08308302   | 1    |
| 431      | 33       | F08308301   | 1    |
| 441      | 33       | F08302230   | 1    |
| 441      | 33       | F08302200   | 1    |
| 44       | 30       | F01200203   | 4    |
| 45       | 30       | F01200300   | 4    |
| 49       | 30       | F01801700   | 4    |
| 47       | 30       | F01608320   | 2    |
| 52       | 30       | 66276400    | 2    |
| 192      |          | F03401600   | 1    |
| 145      | 33       | F03500200   | 1    |
| 151      | 30       | F03600200   | 1    |
| **       | 30       | F03600300   | 1    |
| 153      | 30       | F03800413   | 2    |
| 156      | 30       | F03801100   | 2    |
| 159      | 30       | F91152006   | 10.2 |
|          |          | F03801000   | 2    |
| 144      | 30       | F03500800   | 2    |
|          | 30       | F03800001   | 2    |
| 177      | 30       | F03505805   | 1    |
| 141      | 30       | F03310008   | 1    |
|          |          | F90005304   | 1    |
| 175      | 30       | F03500600   | 2    |

## MAIN SHOE ASSE

| ITEM NO. | PAGE NO. | PART NUMBER | QTY. |
|----------|----------|-------------|------|
| 145      | 33       | F03500300   | 1    |
| 151      | 30       | F03600400   | 1    |
| **       | 30       | F03600500   | 1    |
| 153      | 30       | F03800413   | 2    |
| 156      | 30       | F03801100   | 2    |
| 159      | 30       | F91152006   | 10   |
|          |          | F03806000   | 2    |
| 144      | 30       | F03500800   | 2    |
|          | 30       | F03800001   | 2    |
| 177      | 30       | F03505805   | 1    |
| 141      | 30       | F03310008   | 1    |
|          |          | F90005304   | 1    |
| 175      | 30       | F03500600   | 2    |
|          |          | F03500400   | 1    |

**Note: Front of the Machine is Where  
Discharge Spouts are Determined by  
Right Hand Discharge Spouts Would**

|     |    |           |   |
|-----|----|-----------|---|
| 24  | 24 | F01002803 | 1 |
| 178 | 24 | F01100100 | 1 |
| 191 | 24 | F01806202 | 1 |
| 179 | 24 | F01103300 | 1 |
| 180 | 24 | F01400700 | 1 |
| 185 | 24 | F01805010 | 1 |

**PULLEYS &  
Machines Without Va**

| <b>ITEM</b> | <b>PAGE</b> | <b>PART</b>   |             |
|-------------|-------------|---------------|-------------|
| <b>NO.</b>  | <b>NO.</b>  | <b>NUMBER</b> | <b>QTY.</b> |

|  |  |           |   |
|--|--|-----------|---|
|  |  | F91932124 |   |
|  |  | 44010925  | 1 |
|  |  | F91932064 | 1 |
|  |  | 44010916  | 1 |

|  |  |           |   |
|--|--|-----------|---|
|  |  | 43120115  | 1 |
|  |  | 44010525  | 1 |
|  |  | F91922124 | 1 |
|  |  | 44010918  | 1 |

|  |  |               |   |
|--|--|---------------|---|
|  |  | Not Available | 1 |
|--|--|---------------|---|

|  |  |           |   |
|--|--|-----------|---|
|  |  | 43110155  | 1 |
|  |  | F44010510 | 1 |

|     |  |               |   |
|-----|--|---------------|---|
| *** |  | Not Available | 1 |
|-----|--|---------------|---|

# CLEANER PARTS

## RUSH SCREEN CLEANING

### GROUP DRAWING

- Front Air Damper.....
- Back Air Damper.....
- Top Fan Shaft.....
- Top Air Discharge Auger Valve.....
- Does Not Apply To This Manual .....
- Brush Adjusting System .....
- Does Not Apply To This Manual .....
- Rope Sheave Assembly .....
- Brush Carriage Assembly .....
- Bottom Fan Shaft.....
- Bottom Fan Shaft.....
- Does Not Apply To This Manual .....
- Eccentric Shaft.....
- Does Not Apply To This Manual .....
- Adjustable Belt Take-Ups.....
- Bottom Fan Housing
- Air Trunk Assembly .....
- Does Not Apply To This Manual .....
- Rocker Assembly View.....
- Does Not Apply To This Manual .....
- Bottom Shoe Assembly.....

## **Top Fan Section**

### **DESCRIPTION**

Air Trunk Assembly Complete (**Includes Below**)

Fan Shaft 1-15/16" X 64-1/4"

1-15/16" Pillow Block Bearing

6" Wide Hide Static Fan Assembly

Right Side Top Fan Housing Assembly ( Includes 2 Sides & Metal)

Left Side Top Fan Housing Assembly( Includes 2 Sides & Metal)

Top Fan Bleeder Inlet Slide Assembly

Adjusting Handle & Rod 32" Long (Includes Handle With Knob)

Adjusting Handle & Rod 18" Long (Includes Handle With Knob)

Hand Crank Handle with wood Knob

Adjusting handle shaft Bearing

Valve Control Assy Complete ( **Includes Parts Listed Below**)

Universal Joint

6" Threaded Screw Shaft with 5/8" Shank

Swivel Plate (bolts to wood side)

Plain Pivot Nut

Swivel Arm Pivot Lever

Threaded Pivot Nut

**ber. May give parts within that assembly,  
umbers for parts that are specific to RH or LH**

**e the Screens are Insertsed Into the Machine.  
y Standing at the Front and Facing the Machine.  
d Discharge Towards Your Right Hand.**

# **LARGE VALVE ASSEMBLY**

## **DESCRIPTION**

Complete Valve (9 wide)(**Shaft not Included**)

Top Valve Shaft 1" x 48"

Hinged Gate Weldment (9 wide)

Gate Board

Gate Springs

#9 Discharge Roll Assembly with Flanges ( **Around 30" Long**)

Measure Roll Length

1" Bore Flangette Stampings

1" Bearing

**NOT INCLUDE DRIVE SHEAVES OR SHAFT**

## [ **CLEANING SYSTEM**

### **DESCRIPTION**

Brush Adjusters-Control Side /**Left Hand Side(Includes Parts Below)**

Brush Idler Plate Left Hand

Adjustments Handle with Spring

Shoulder Bolt for Brush Adjuster

Brush Adjusters - Idler Side /**Right Hand Side(Includes Parts Below)**

Brush Adjusting Plate Right Hand

Idler Arm Support

Shoulder Bolt for Brush Adjuster

Brush Adjusters-Control Side /**Right Hand Side(Includes Parts Below)**

Brush Idler Plate Right Hand

Adjustments Handle with Spring

Shoulder Bolt for Brush Adjuster

Brush Adjusters - Idler Side /**Left Hand Side (Includes Parts Below)**

Brush Adjusting Plate Left Hand

Idler Arm Support

Shoulder Bolt for Brush Adjuster

One Hole Plate with 1-5/8" Bore

Straight Jack Plate

Rope Sheave Assembly Complete (**Includes Below**)

3" Rope Sheave Only with Bushing

Rope Sheave Axle with Hardware

Rope Sheave Bracket Only

Brush Carrier Assembly 18" x 46"

**NOTE: INCLUDES ROLLERS & AXLES BUT NOT BRUSHES**

Brush Carrier Roller for 1-3/16" Shaft

Carrier Roller Axle with Hardware

49-1/2" Black Course Brushes

49-1/2" White Course Brushes(Used on Wire Screens Only)

Brush Carrier Shafts 1-3/16" x 52"

2 Piece Cable Clamps

Wirelon Plastic Coated Steel Cable (**In Feet**)

# ASSEMBLY

## DESCRIPTION

Fan Shaft 1-1/2" X 67" (**Includes Keys**)

3/8" X 5" Keys

6715 Halfmoon Bridgetree Housing with Bearing

Bearing **Insert Only** for Above

**ad Items 72 & 62 must be substituted**

1-1/2" Pillow Block Bearing

Bridgetree Mounting Angle for Bearing

12" Diameter 1-1/2" Bore Stationary Disc

12" Diameter 1-1/2" Bore Spring End Disc

10-5/8" Heavy Duty Spring

Hand Nut for 1-1/2" Shaft

ATF 34 Variable Air Regulator Belt( 2-7/8" x 108")

Bottom Fan Assembly Complete( **includes 60,63 & Bolts**)

Wooden Fan Blades 43-5/8" Long

Spider Fan Arms

# C SHAFT ASSEMBLY (UNDER WEIGHTS)

## DESCRIPTION

Eccentric Shaft 1-1/2" X 66-1/2" (**Includes Keys**)  
6714 Halfmoon Flange Bearing  
1-1/2" Bearing **Insert Only** for Below  
6714 Flange Bearing Conversion Kit  
1-1/2" Pillow Block Bearing  
7475 1-1/2" Halfmoon Bearing Complete w/Bearing  
1-1/2" Halfmoon Bearing **Insert Only** for Above  
12" Diameter 1-1/2" Bore Stationary Disc  
12" Diameter 1-1/2" Bore Thrust End Disc  
1-1/2" Adjusting Nut (**Includes Zerk with Plug #24**)  
B-34 Thrust Bearing  
Counterweight Ends  
Counterweight 11"  
1-1/2" Throw Eccentric Assembly Complete (**Includes Below**)  
Bearing Insert for Eccentric Assembly  
1-1/2" Bore 1/2" Throw Eccentric Hub  
Eccentric Housing for Assembly

Pitman Left Side 24" Long  
Pitman Right Side 24" Long

# E ASSEMBLY

## DESCRIPTION

Bottom Shoe Complete with Rockers **Right Hand**  
Right Shoe Side  
Left Shoe Side  
Pitman Board 3/4" x 7-1/2" x 45-1/8"  
Front Hanger with Block on Both Sides  
Shoeside Hanger Support Block  
Back Shoe Hanger with Block  
Wood Sand Spout Track (Cut to Length)  
Metal Sand Spout Guide  
Sand Spout Left Hand Machines (Check Measurements)  
Sand Spout Right Hand Machines (Check Measurements)  
Straw Spout Left Hand Machines (Check Measurements)  
Straw Spout Right Hand Machines (Check Measurements)

Pinion Gear with 3/4" Bore  
4" Long Rack  
Escutcheon Plate  
Tilting Rod 3/4" X 48-1/2"  
3/4" Hex Nut  
Canvas Apron Assembly

Top Rocker Assembly Complete (Parts for Rocker Below)  
Right Hand Wooden Rocker Arm Only  
Left Hand Wooden Rocker Arm Only  
60" Metal Screenway Liner  
60" Metal Rubber Holding Strip  
Rubber Seal 2-1/2" Wide  
Screen Stop  
Screen Hook Assembly  
Bottom Rocker Brace  
Top Pipe Girt Support  
Grain Stop Assembly with Rubber  
Rocker Adjusting Girt  
Rocker Pivot Cup

## SEMBLY CONTINUED

### DESCRIPTION

Bottom Rocker Assembly Complete (Parts for Rocker Below)  
Right Hand Wooden Rocker Arm Only  
Left Hand Wooden Rocker Arm Only  
60" Metal Screenway Liner  
60" Metal Rubber Holding Strip  
Rubber Seal 2-1/2" Wide  
Screen Stop (New Style)  
Screen Hook Assembly  
Bottom Rocker Brace  
Top Pipe Girt Support  
Grain Stop Assembly with Rubber  
Rocker Adjusting Girt  
Rocker Pivot Cup  
Apron Assembly

**e the Screens are Inserted Into the Machine.  
y Standing at the Front and Facing the Machine.  
d Discharge Towards Your Right Hand.**

Single Belt Idler Assembly Complete 5-1/2" (Includes Below)  
Idler Pivot Lever  
5-1/2" Belt Take Up Shaft  
1" Cast Iron Pillow Block  
Idler Sheave with Bushing  
Belt Tightner Axle with Hardware

## **BELTS**

### **Variable Shoe Shake**

#### **DESCRIPTION**

##### **Motor to Top Fan**

3B12.4 Top Fan Shaft Driven Sheave

SK Bushing 1-15/16"

3B6.4 Top Fan Drive Motor Sheave

SK Bushing for above

##### **Top Fan to Eccentric Shaft**

2B5.4 Top Fan Drive Sheave

SDS Bushing 1-15/16"

2B12.4 Eccentric Shaft Driven Sheave

SK Bushing 1-1/2"

B4.0 Brush Drive Pulley 1 1/2"

B7.4 Auger Drive Pulley

SDS Bushing 1"

B4.0 Hopper Drive Pulley 1 1/2"

See Hopper Parts List for Driven Pulley