

SERVICE MANUAL
AND
PARTS CATALOG
FOR YOUR
SUPER 49B



Grain, Seed and Bean Cleaners

SUPER 49B CLEANER PARTS SET UP WITH BRUSH SCREEN CLEANING

BRUSH SCREEN CLEANING SYSTEM

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
39	7	F01003001	3	Brush Adjusters-Control Side / Left Hand Side(Includes Parts Below)
	7	F01106101	1	Brush Idler Plate Left Hand
42	7	F01105400	1	Adjustments Handle with Spring
42	7	F82080060	1	Shoulder Bolt for Brush Adjuster
38	7	F01004902	3	Brush Adjusters - Idler Side / Right Hand Side(Includes Parts Below)
	7	F01106104	1	Brush Adjusting Plate Right Hand
43	7	F01106300	1	Idler Arm Support
43	7	F82080060	1	Shoulder Bolt for Brush Adjuster
39	7	F01003002	3	Brush Adjusters-Control Side / Right Hand Side(Includes Parts Below)
**	7	F01106003	1	Brush Idler Plate Right Hand
42	7	F01105400	1	Adjustments Handle with Spring
42	7	F82080060	1	Shoulder Bolt for Brush Adjuster
38	7	F01004901	3	Brush Adjusters - Idler Side / Left Hand Side (Includes Parts Below)
		F01106001	1	Brush Adjusting Plate Left Hand
43	7	F01106300	1	Idler Arm Support
43	7	F82080060	1	Shoulder Bolt for Brush Adjuster
		F01000200	8	Rope Sheave Assembly Complete See attached picture
		F09500200	2	Brush Carrier Assembly 18" x 46" See attached picture 10
		F01612101	2	Brush Carrier Shafts 1-3/16" x 52"
		F97700063	55	Wirelon Plastic Coated Steel Cable (In Feet)

BOTTOM FAN ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
		F01612410	1	Fan Shaft 1-1/2" X 62-1/2" (Includes Keys) See attached picture 11 & 12
		Not Available	2	6715 Halfmoon Bridgetree Housing with Bearing
		F92400022	2	Bearing <u>Insert Only</u> for Above
		Note: If housing is bad Items below must be substituted		
		F92401080	2	1-1/2" Pillow Block Bearing
		F02707300	2	Bridgetree Mounting Angle for Bearing
201	25	F06302020	1	Bottom Drum Iron 42-5/8" x 80"
203	25	F06302120	1	Discharge Chute 4"
204	25	F06304303	1	Breast Iron 42-5/8" x 26-1/2"

ECCENTRIC SHAFT ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
		F01623500	1	Eccentric Shaft 1-1/2" X 66-1/2" (Includes Keys) See attached pictures 15 & 16
		Not Available	2	6714 Halfmoon Flange Bearing
		F92400022	1	1-1/2" Bearing <u>Insert Only</u> for Below
		F92053126	1	6714 Flange Bearing Conversion Kit
		Not Available	1	7475 1-1/2" Halfmoon Bearing Complete w/Bearing
		F92400026	1	1-1/2" Halfmoon Bearing <u>Insert Only</u> for Above
		F19503600	2	1-1/2" Throw Eccentric Assembly Complete See attached picture 15B

NOTE: A FEW OF THE NEWER MACHINES HAD COUNTERWEIGHTS ADDED TO THE ECCENTRIC SHAFT

F01104600	4	Counterweight Ends
F01804410	2	Counterweight 11"

MAIN SHOE ASSEMBLY

ITEM NO.	PAGE NO.	PART NUMBER	QTY.	DESCRIPTION
		Not Available	1	Bottom Shoe Complete with Rockers (Old Number F030067--)
		F03118601	1	Right Shoe Side
		F03118602	1	Left Shoe Side
		F03120202	1	Pitman Board 3/4" x 7-1/2" x 45-1/8"
		F03101720	2	Wood Sand Spout Track (Cut to Length)
		F03301001	2	Metal Sand Spout Guide
		F08308302	1	Sand Spout Left Hand Machines (Check Measurements)
		F08308301	1	Sand Spout Right Hand Machines (Check Measurements)
		F08302230	1	Second Straw Spout Left Hand Machines (Check Measurements)
		F08302200	1	Second Straw Spout Right Hand Machines (Check Measurements)
		F01200203	4	Rocker adjusting system See attached picture
		F03500200	2	Top Rocker Assembly Complete See attached drawing
		F03500300	1	Bottom Rocker Assembly Complete See attached drawing
		F03016510	2	Front Hanger with Block on Both Sides
		F03102601	2	Shoeside Hanger Support Block
		F03016520	3	Back Shoe Hanger with Block

**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.**

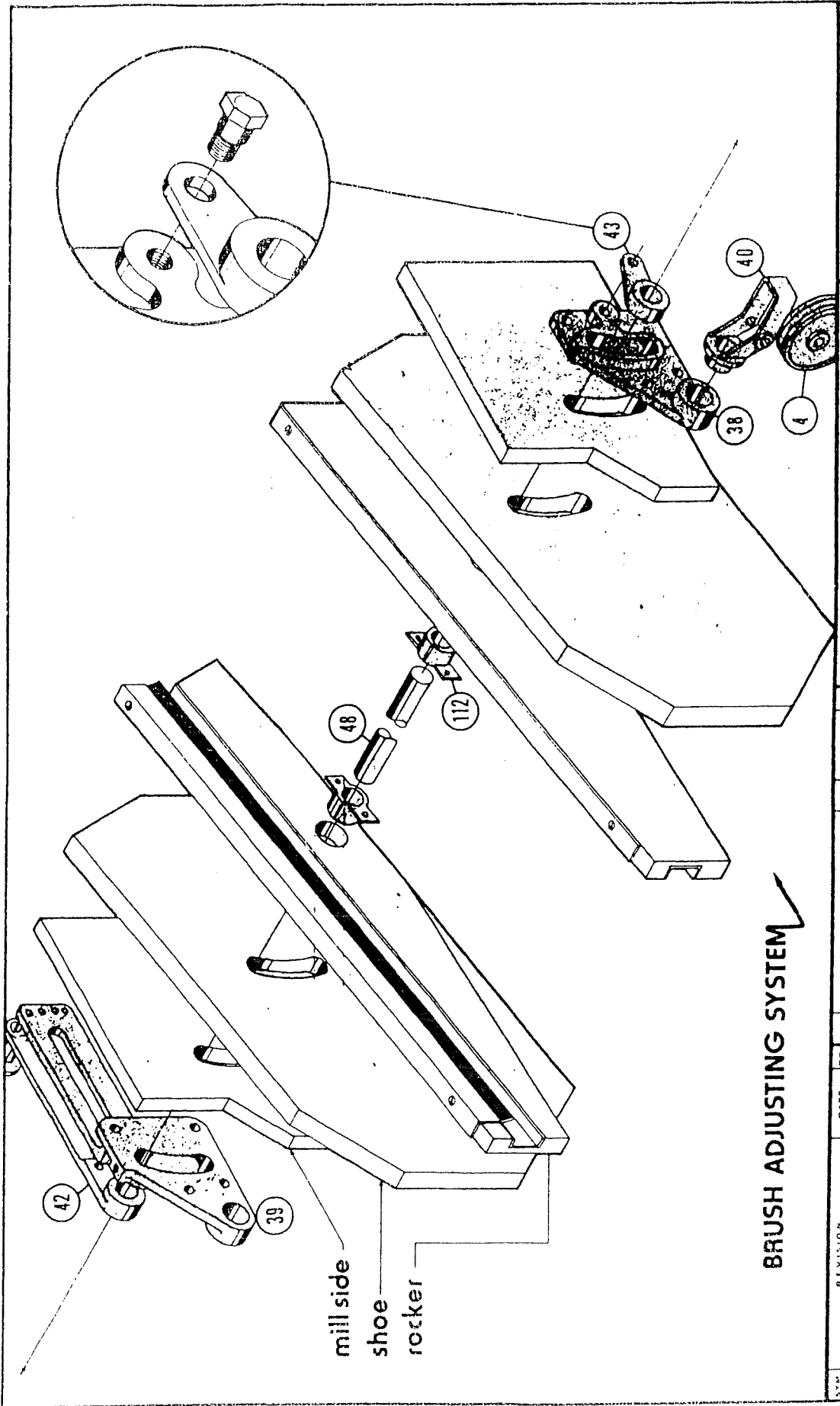
F01002803	1	Single Belt Idler Assembly Complete 5-1/2" See attached drawing
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**The Following Are the Ball Tray Kit Parts That were
Installed on the Super 49 Cleaners in the Past**

**Old Style Ball Trays with 1" Square Turkey Wire That Came Out
With the Screens. Ball Trays were not attached to the Screens.**

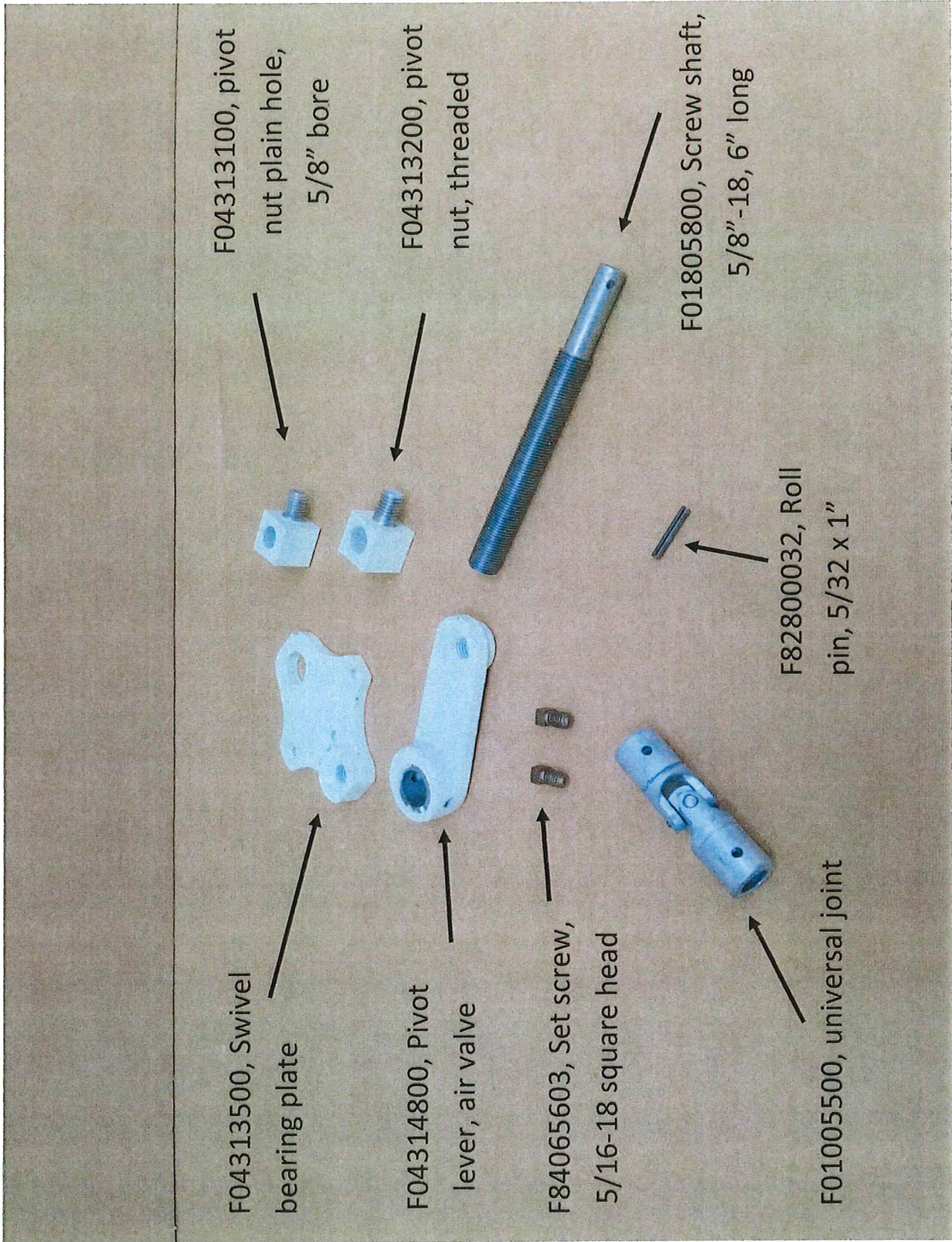
F90005062	3	Ball Tray Weldment for 1 Piece Screens (NEW PUNCHED STYLE)
F80026102	324	White 1-3/8" Balls
		or
F90005063	3	Ball Tray Weldment for 2 Piece Screens (Bottom 26" Section) (NEW PUNCHED STYLE)
F90005069	3	Ball Tray Weldment for 2 Piece Screens (Top 34" Section) (NEW PUNCHED STYLE)
F80026102	324	White 1-3/8" Balls (54 Per Tray)
F11301707	6	Ball Tray Support Rail 24"
F11301708	6	Ball Tray Support Rail 31"

REF. PRINT SUPPLY AND SERVICE



BRUSH ADJUSTING SYSTEM

SYN		REVISION		DATE		DR.		DATE		DWG. BY		SCALE		DATE	
brush adjusting system															
FERRELL - ROSS												MACH. NO.			
SAGINAW, MICH.												DWG. NO.			



F04313100, pivot
nut plain hole,
5/8" bore

F04313200, pivot
nut, threaded

F01805800, Screw shaft,
5/8"-18, 6" long

F82800032, Roll
pin, 5/32 x 1"

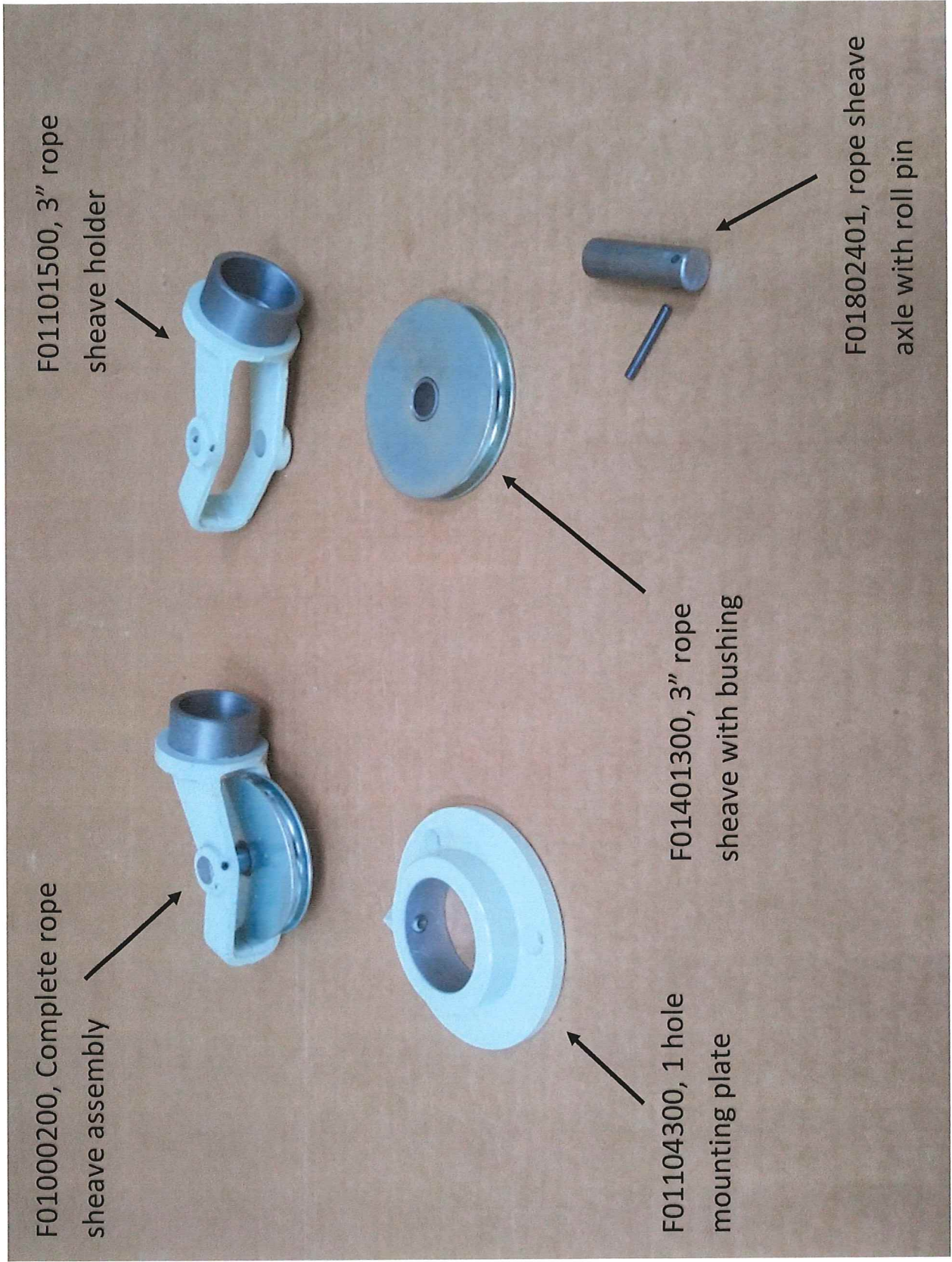
F04313500, Swivel
bearing plate

F04314800, Pivot
lever, air valve

F84065603, Set screw,
5/16-18 square head

F01005500, universal joint

F01013500, Gate valve adjusting assembly, ALL



F01000200, Complete rope sheave assembly

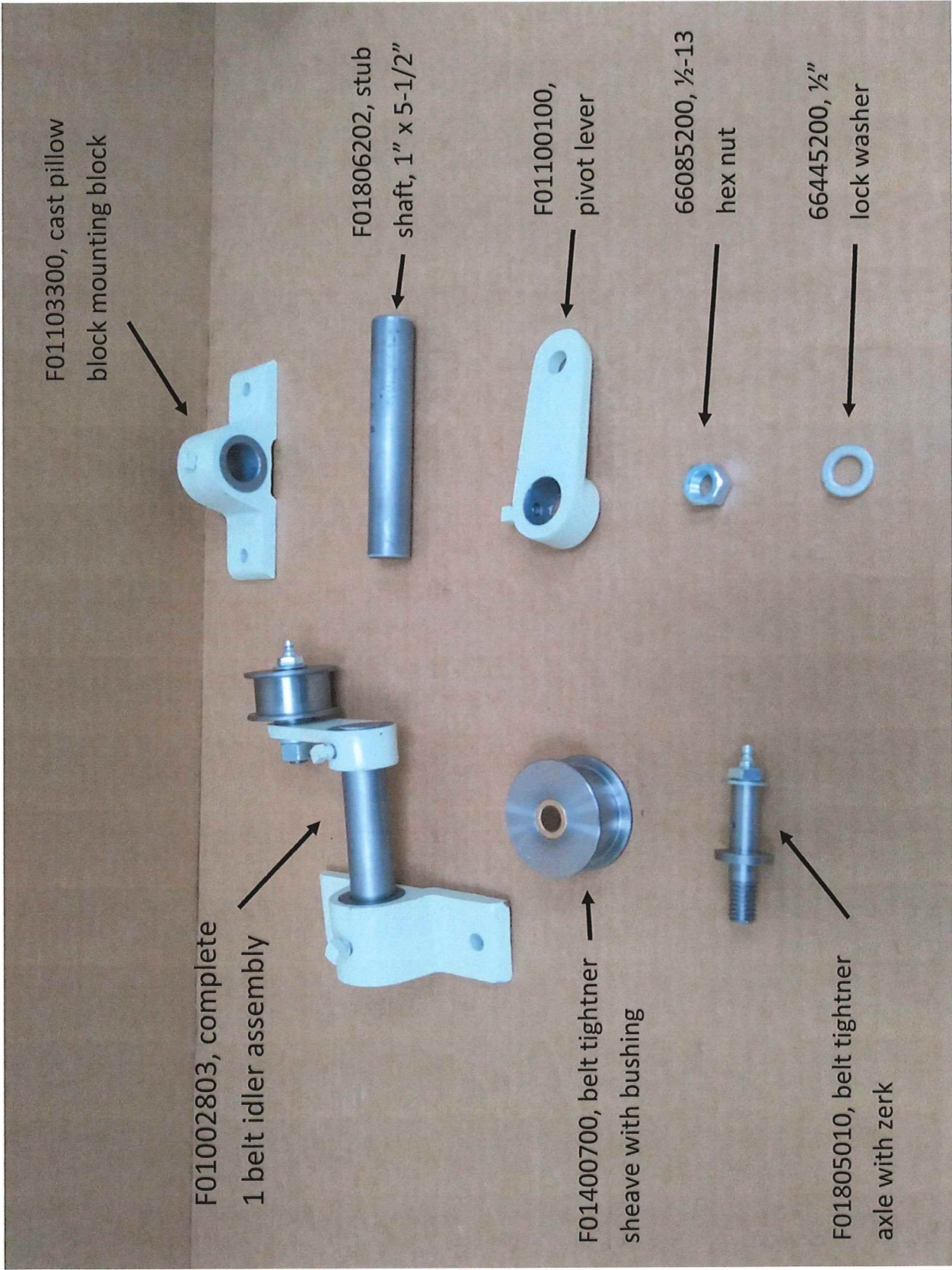
F01101500, 3" rope sheave holder

F01104300, 1 hole mounting plate

F01401300, 3" rope sheave with bushing

F01802401, rope sheave axle with roll pin

3" Rope sheave assembly



F01103300, cast pillow block mounting block

F01806202, stub shaft, 1" x 5-1/2"

F01100100, pivot lever

66085200, 1/2-13 hex nut

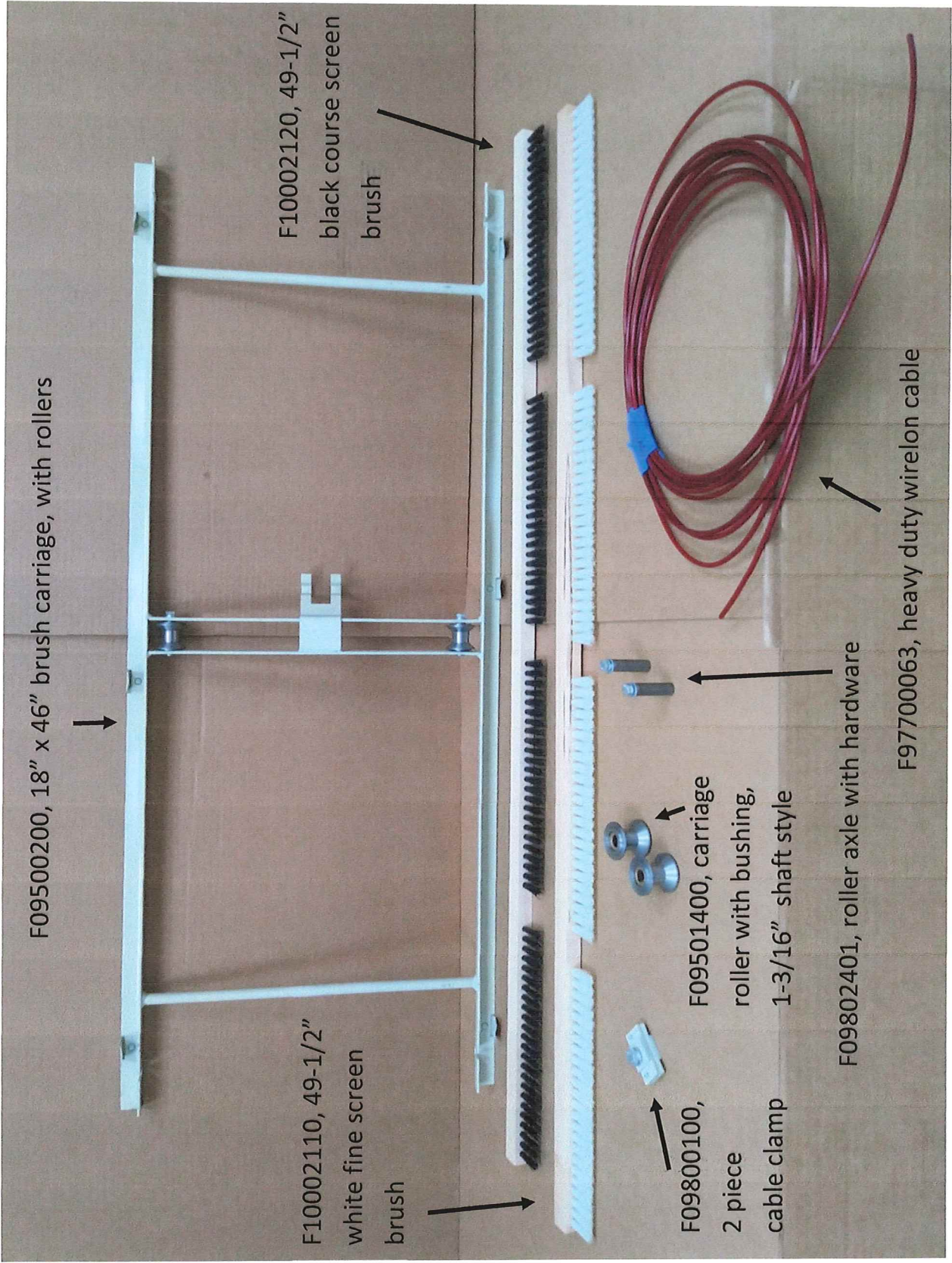
66445200, 1/2" lock washer

F01002803, complete 1 belt idler assembly

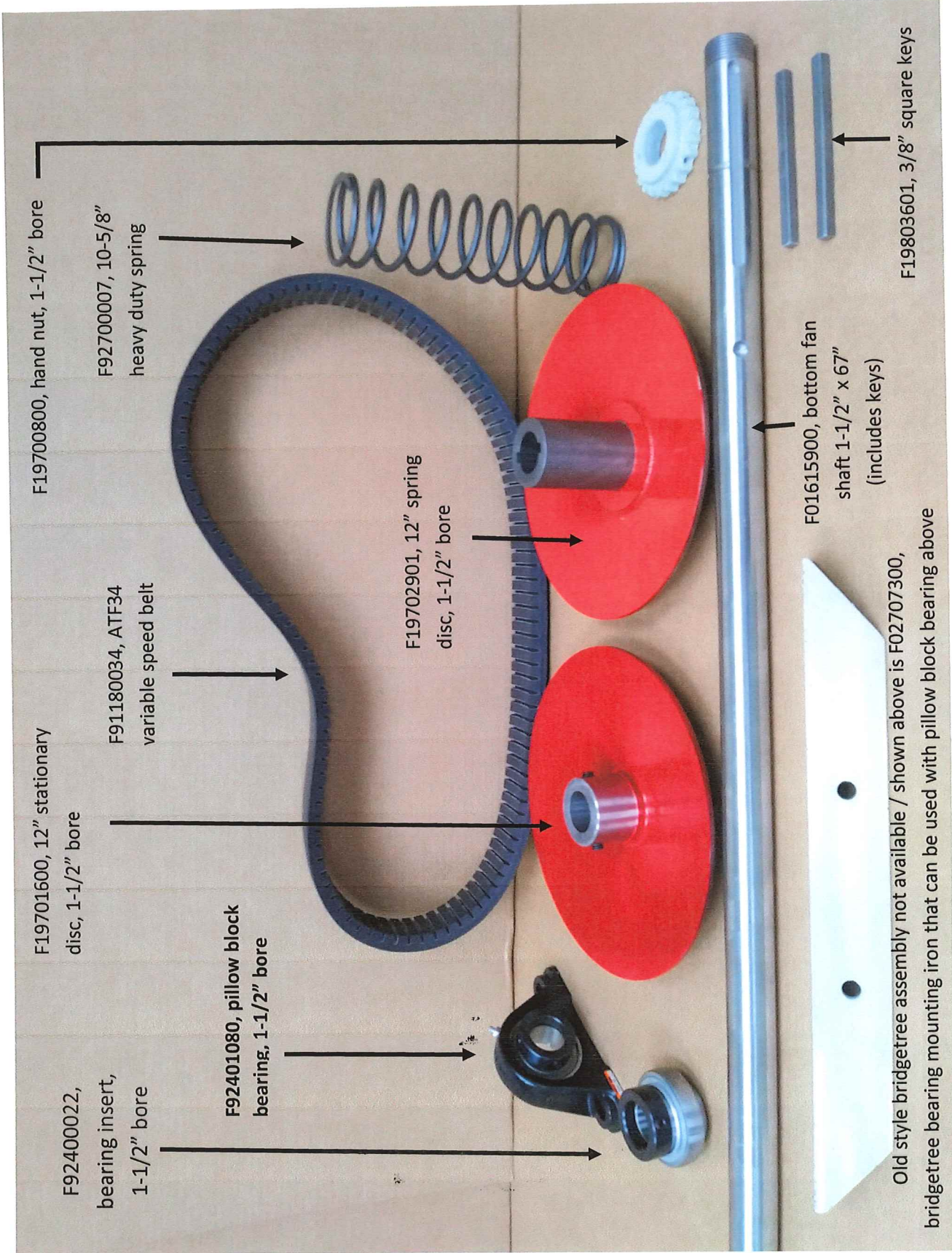
F01400700, belt tightener sheave with bushing

F01805010, belt tightener axle with zerck

Belt tightener assembly



Brush carriage, with accessories, page 10



F19700800, hand nut, 1-1/2" bore

F92700007, 10-5/8" heavy duty spring

F19701600, 12" stationary disc, 1-1/2" bore

F91180034, ATF34 variable speed belt

F19702901, 12" spring disc, 1-1/2" bore

F92400022, bearing insert, 1-1/2" bore

F92401080, pillow block bearing, 1-1/2" bore

F01615900, bottom fan shaft 1-1/2" x 67" (includes keys)

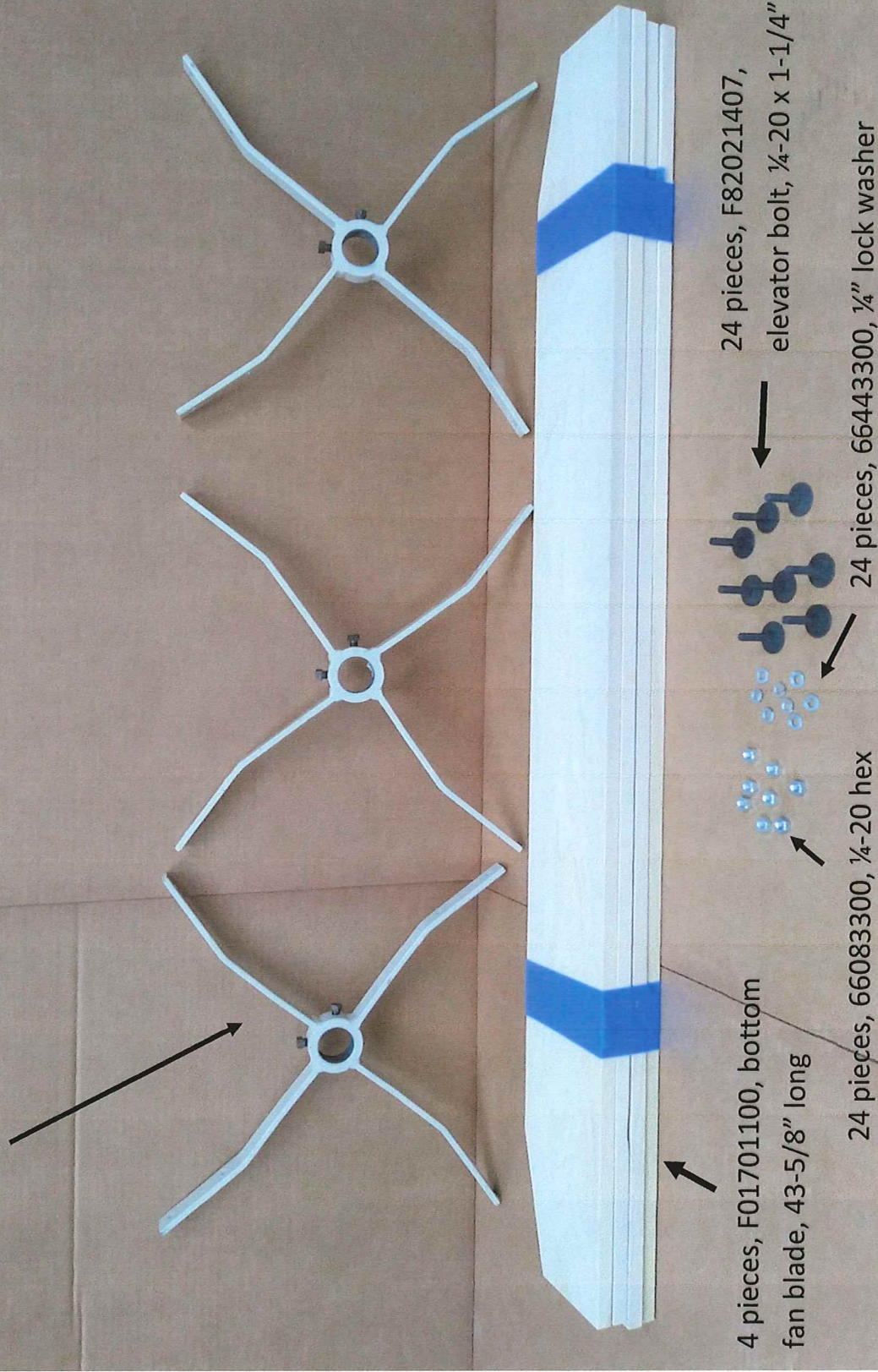
F19803601, 3/8" square keys

Old style bridgetree assembly not available / shown above is F02707300, bridgetree bearing mounting iron that can be used with pillow block bearing above

Bottom fan shaft assembly, page 11

3 pieces, F06001000, bottom fan spider, 1-1/2" bore

F06002681, complete bottom fan assembly



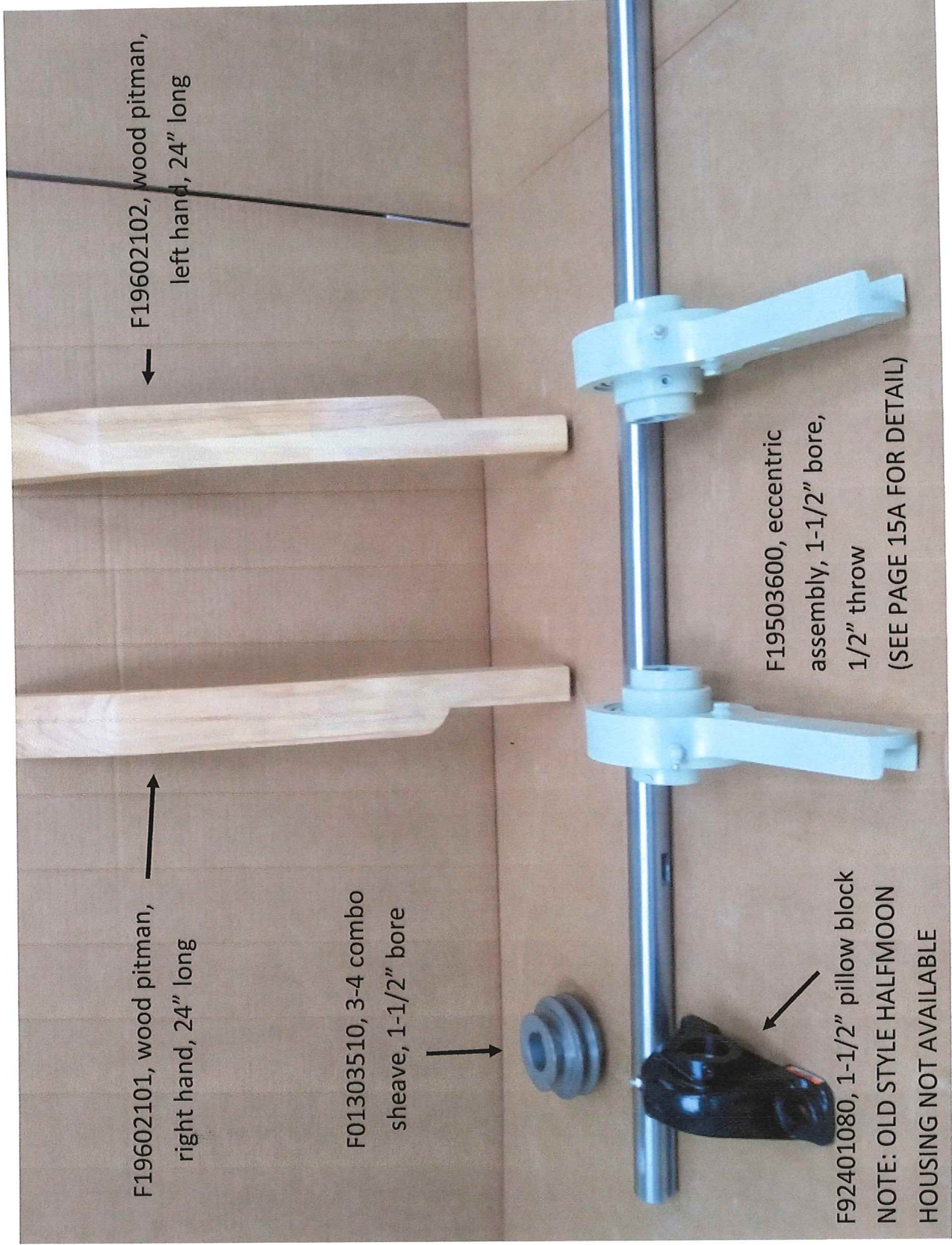
4 pieces, F01701100, bottom fan blade, 43-5/8" long

24 pieces, F82021407, elevator bolt, 1/4-20 x 1-1/4"

24 pieces, 66443300, 1/4" lock washer

24 pieces, 66083300, 1/4-20 hex

bottom fan assembly, 1-1/2" bore, 9 wide, page 12



F19602101, wood pitman,
right hand, 24" long

F19602102, wood pitman,
left hand, 24" long

F01303510, 3-4 combo
sheave, 1-1/2" bore

F19503600, eccentric
assembly, 1-1/2" bore,
1/2" throw
(SEE PAGE 15A FOR DETAIL)

F92401080, 1-1/2" pillow block
NOTE: OLD STYLE HALFMOON
HOUSING NOT AVAILABLE

Eccentric shaft, wood pitmans, page 15

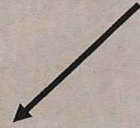
F19503600, Complete eccentric assembly, 1-1/2" bore, 1/2" throw



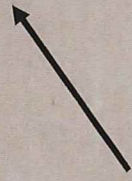
F19703000, Eccentric housing

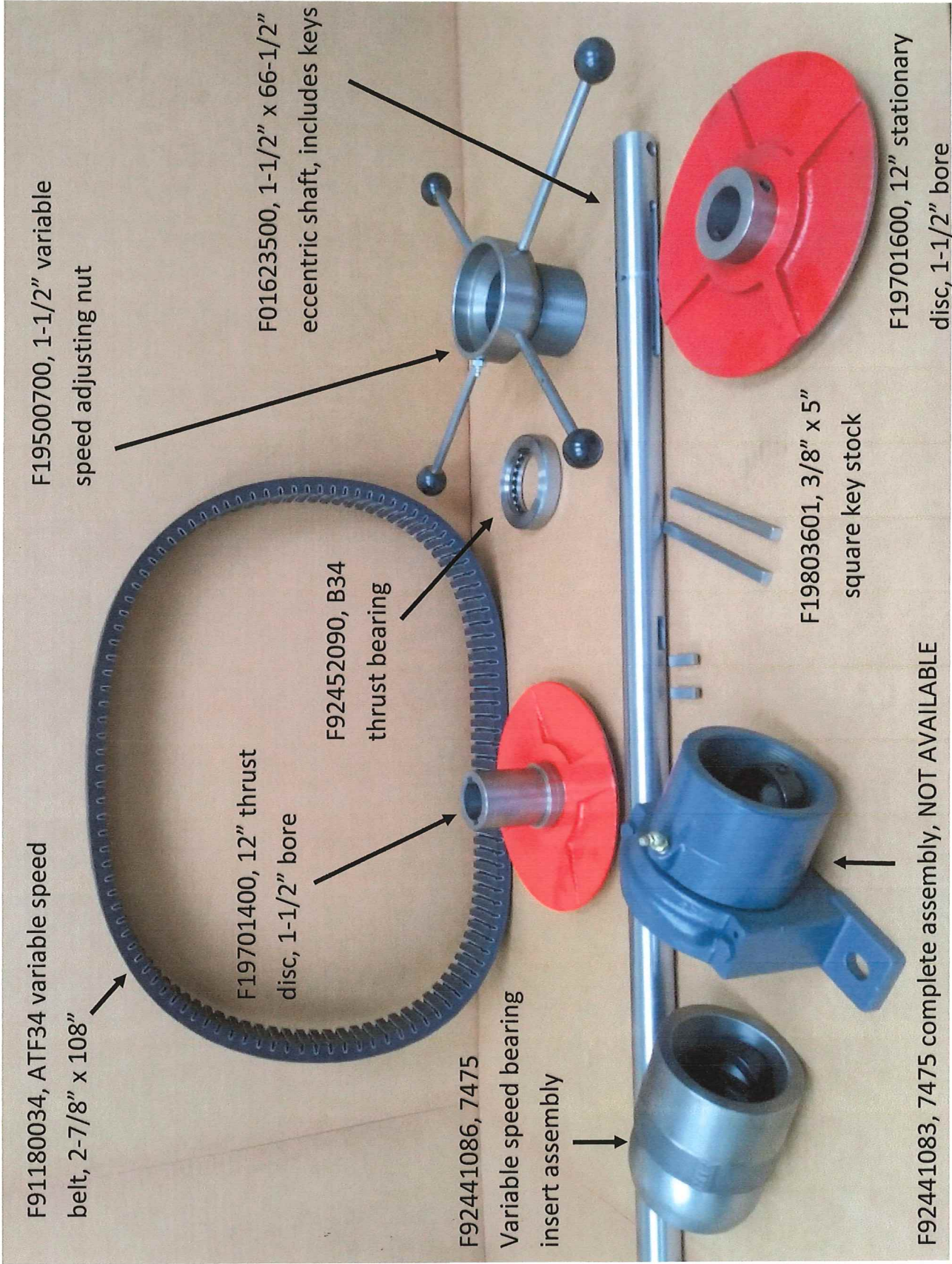


F19804004, Eccentric hub, 1-1/2" bore, 1/2" throw

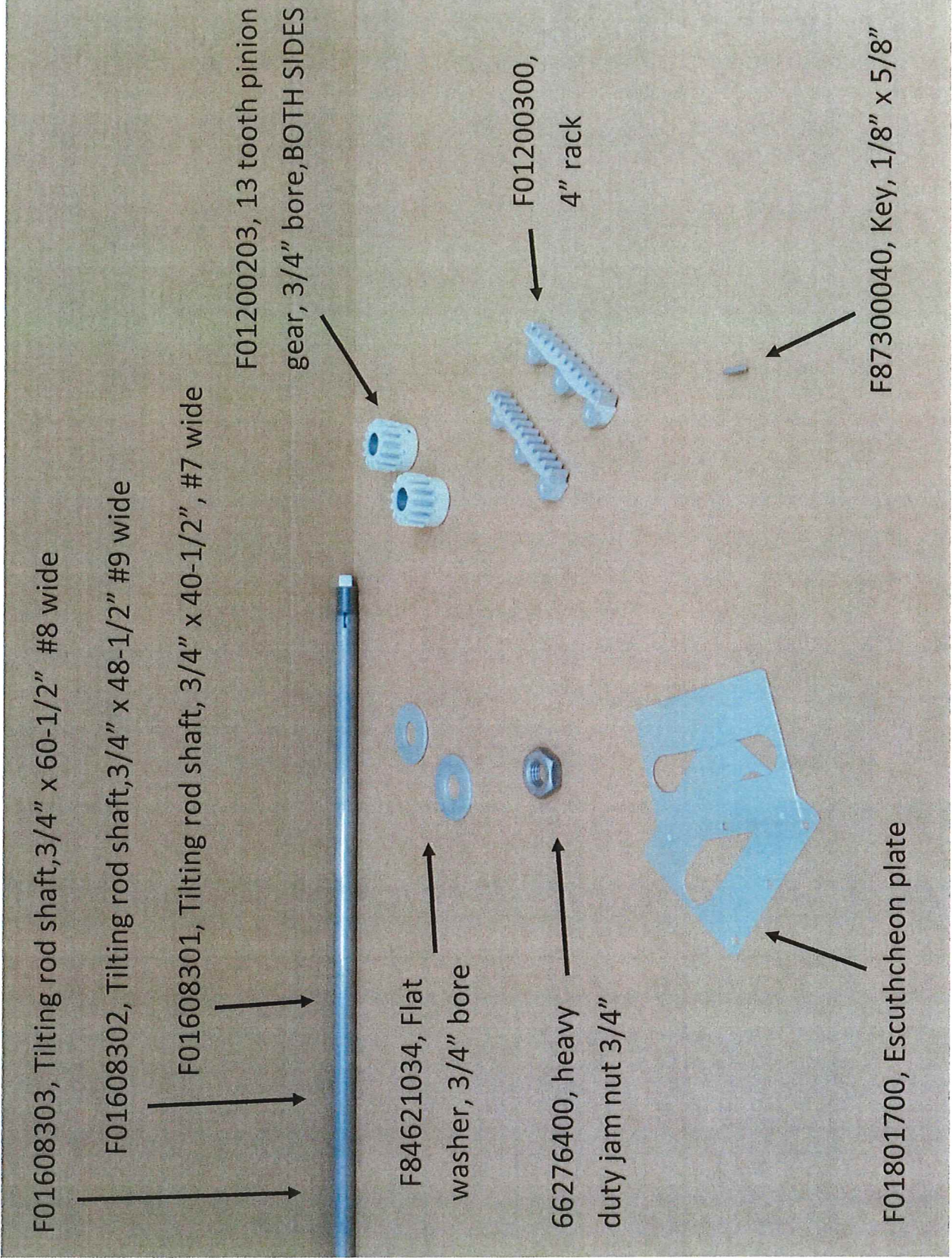


F92400053, Bearing insert





Eccentric shaft assembly, Super 49, page 16



Screen rocker adjusting assembly

Bottom Fan Metal

