



Cherrington Beachcleaner/Sandsifter
Model 4000PT

Cherrington Parts & Service Toll free 1-800-966-1588

Parts Book

KEY TO OPERATING DECALS



CONVEYOR FORWARD.
ALLOWS CONVEYOR TO OPERATE.



CONVEYOR REVERSE.
ALLOWS REVERSING FOR CONVEYOR
CLEAN OUT



GROOMER UP.
RAISES THE GROOMER.



GROOMER DOWN.
USED TO LOWER THE GROOMER.



HOPPER DUMP.
DUMPS HOPPER.



HOPPER CLOSE.
CLOSES HOPPER.



HOIST RAISE.
RAISES HOPPER.



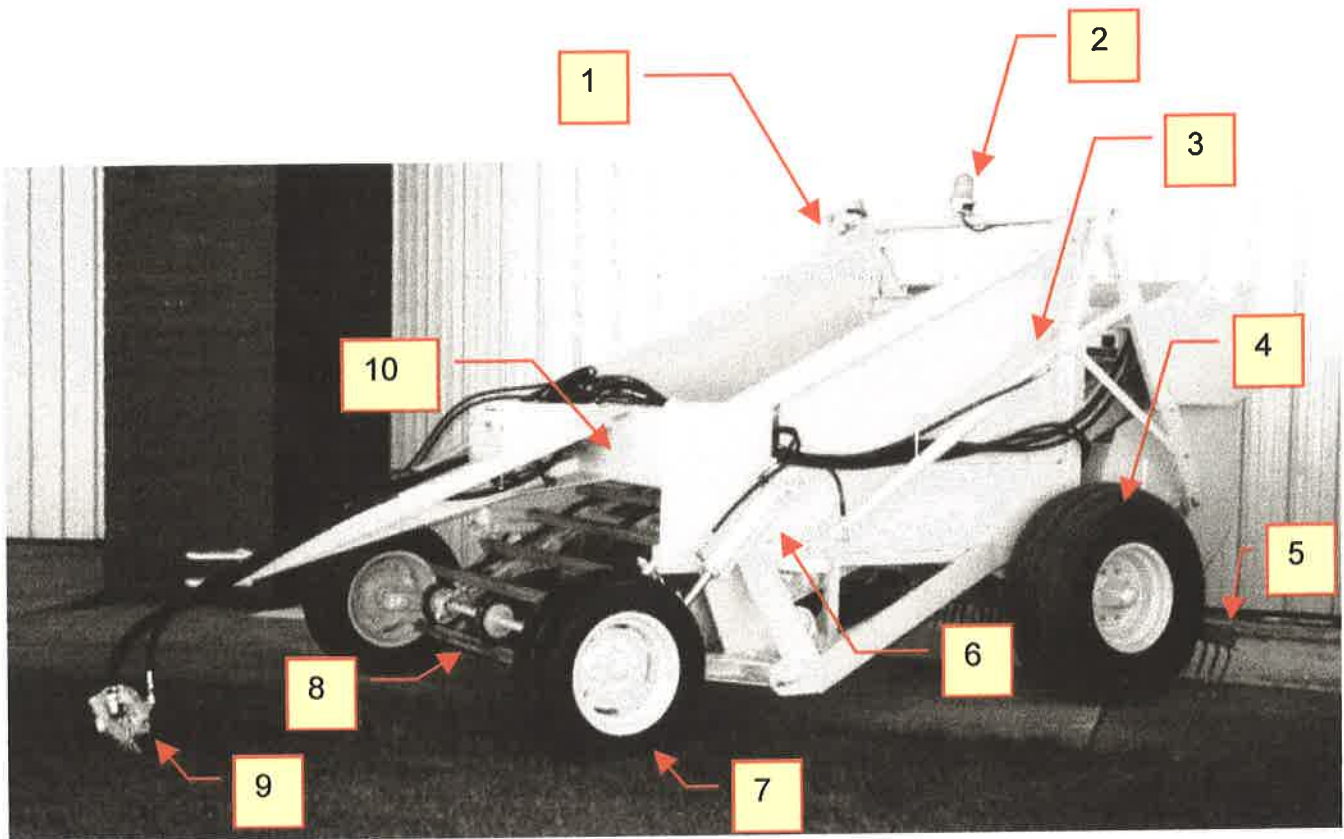
HOIST LOWER.
LOWERS HOPPER.



DIGGER RAISE.
LOWERS GAUGE WHEELS TO
DECREASE DIGGER DEPTH.



DIGGER LOWER.
RAISES GAUGE WHEELS TO INCREASE
DIGGER DEPTH.



OVERALL MACHINE LEGEND

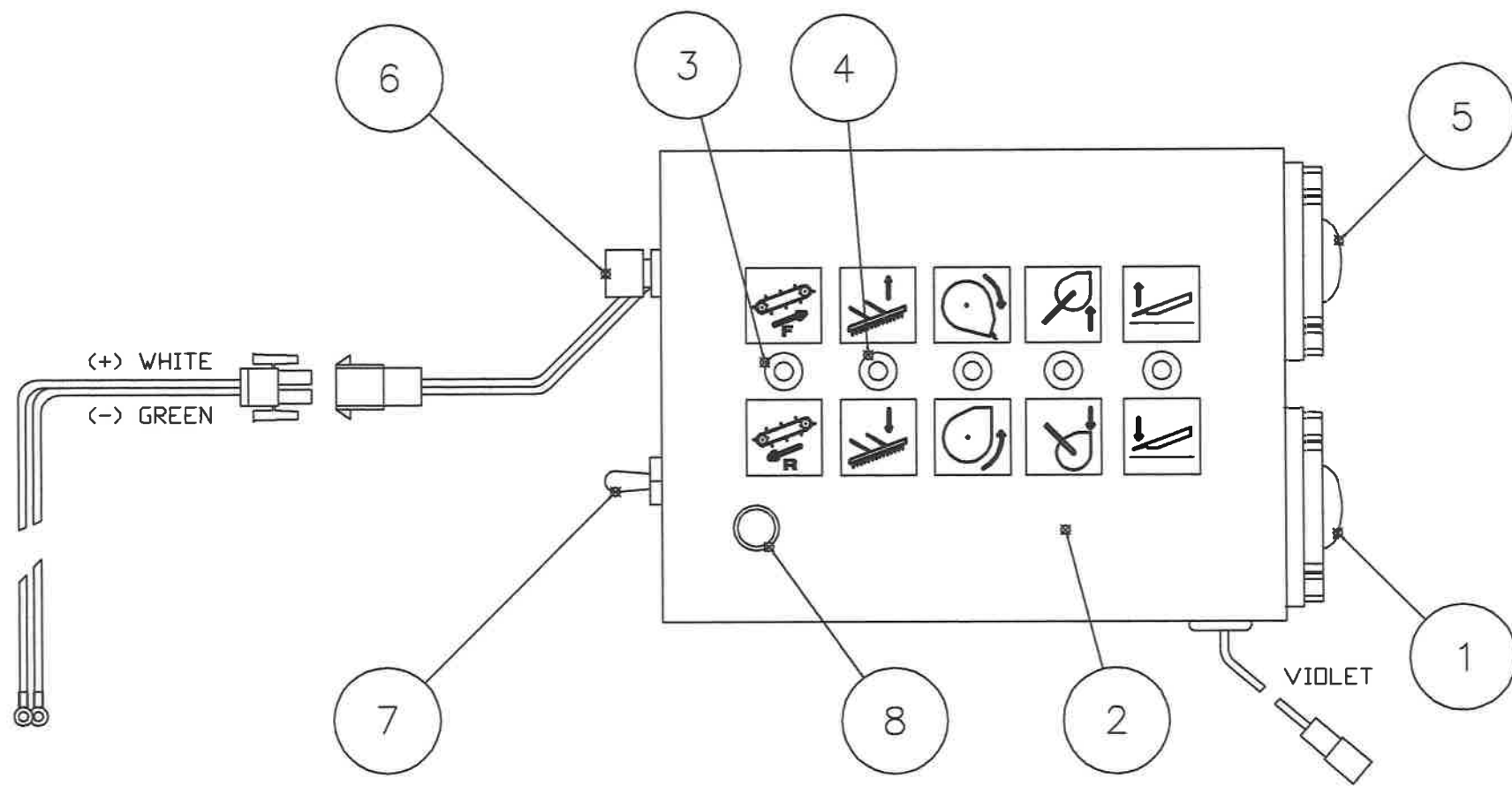
REF NO.	PART NO.	DESCRIPTION	QTY
1	PAGE K	ROLLOVER MECHANISM	
2	002392P	STROBE LIGHT	1
3	004972	CYLINDER, HOIST, 2b x 42s w/CAV	2
4	PAGE D	REAR WHEEL ASSY	2
5	PAGE L	GROOMER ASSY	1
6	005099	CYLINDER, GAUGE, PRINCE 9212, 3b x 12s	2
7	PAGE C	GAUGE WHEEL ASSY	2
8	PAGE G	FLIGHT SYSTEM	
9	005100	PUMP, HC-PTO-2A W/O-RING	1
10	003531P	FILTER, HYD, O-RING HD W/ELEMENT	1
	000183P	FILTER, HYD-REPLACEMENT ELEMENT	1

#10 UPDATED P/N:

71.P371730 COMPLETE FILTER HOUSING WITH FILTER

71.P371810 FILTER ELEMENT ONLY

*NOTE: COMPLETE CONTROL BOX AND WIRE HARNESS (CONTROL BOX TO VALVE) ARE NO LONGER AVAILABLE
MUST UPDATE TO NEWER VERSION FOR REPLACEMENT - SEE PARTS LIST



B

CONTROL SWITCHES

REF NO.	PART NO.	DESCRIPTION	QTY
1	004699P	SOCKET, TRAILER 6 POLE (BLK)	1
2	005105	BOX, CONTROL SWITCH	1
3	003368P	SWITCH, TOGGLE DPDT DETENTED	1
4	003367P	SWITCH, TOGGLE DPDT	4
	004947P	BOOT, TOGGLE SWITCH	6
5	004699P	SOCKET, TRAILER 6 POLE (RED)	1
6	005115P	FUSE HOLDER, PANEL MT PUSH IN	1
	000404P	FUSE, BUSS AGC 15	1
7	004692P	SWITCH, MASTER, SPDT DETENTED	1
8	004987P	LIGHT, INDICATOR, GREEN	1

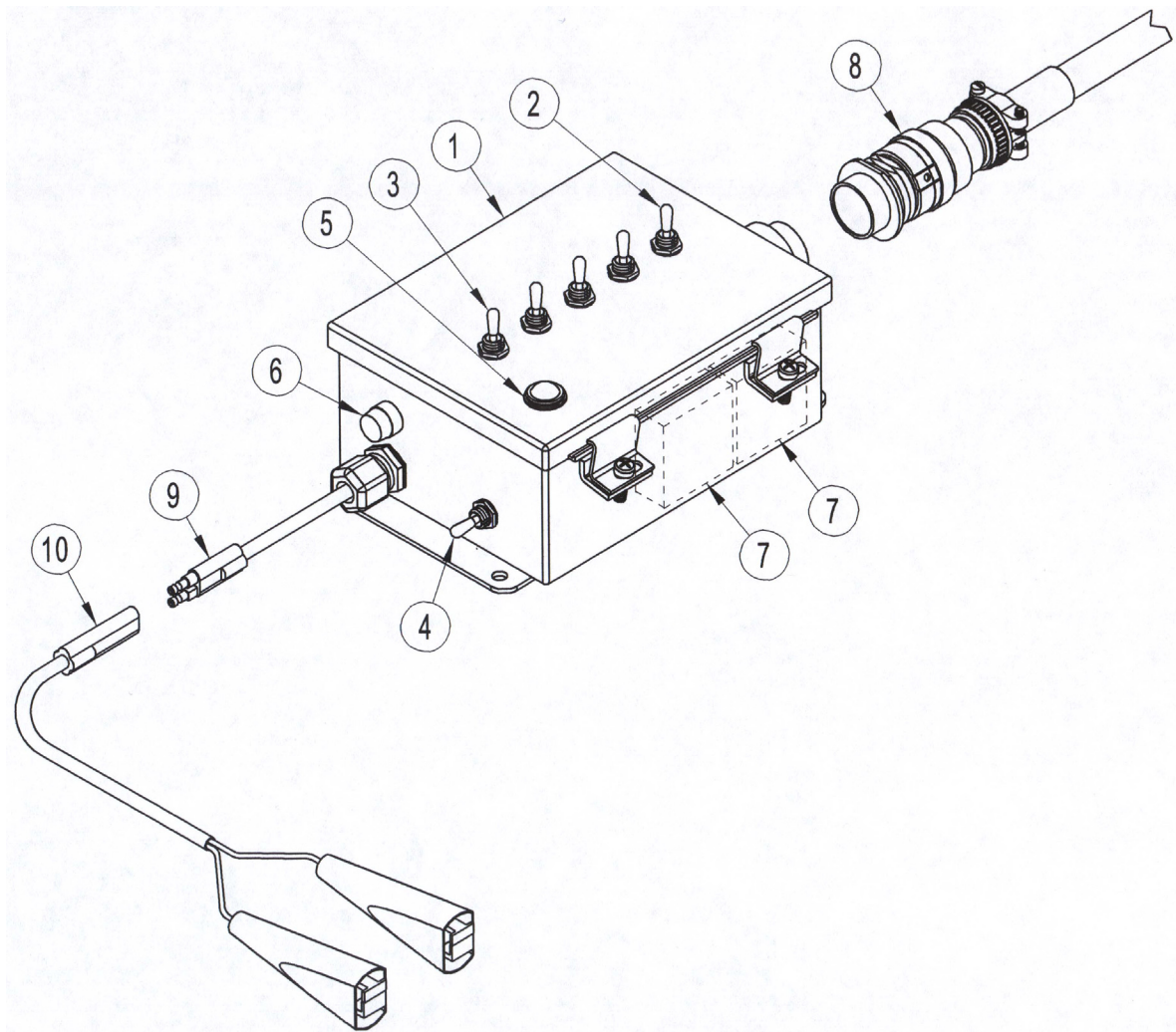
COMPLETE CONTROL BOX AND WIRE HARNESS ARE NO LONGER AVAILABLE - UPDATE REQUIRED
USE UPDATED REPLACEMENT:

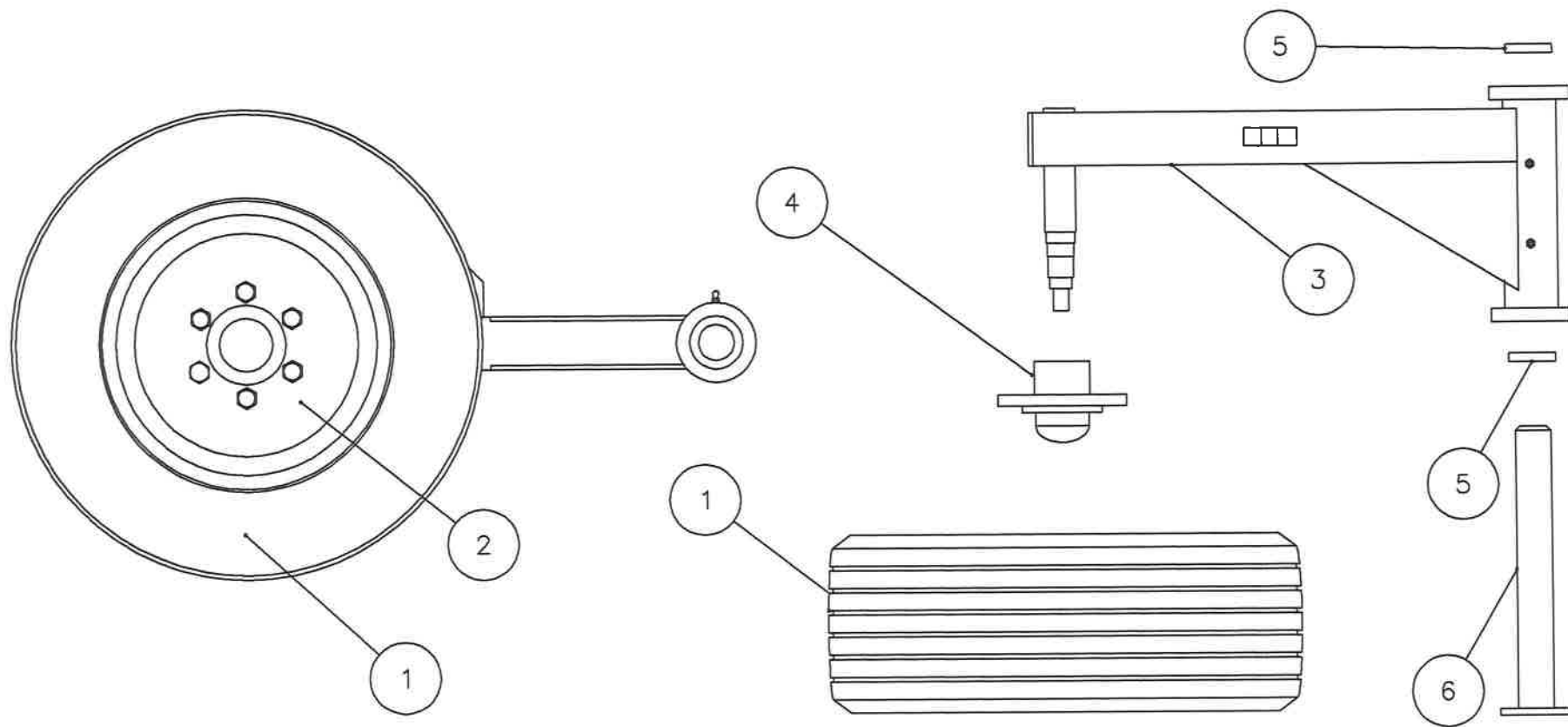
71.5224 CONTROL BOX COMPLETE

71.5225 WIRE HARNESS (CONTROL BOX TO VALVE)

CONTROL BOX

REF NO.	PART NO.	DESCRIPTION	QTY
1	005220	CONTROL BOX HOUSING ONLY	1
2	P298175	SWITCH, 2 POLE, 2 THROW	4
3	P298195	SWITCH, 4 POLE, 2 THROW	1
4	P295001	SWITCH, 1 POLE, 1 THROW	1
5	P312300	INDICATOR LIGHT, GREEN	1
6	P295083	FUSE HOLDER	1
7	P32010	TIMER RELAY	2
8	71.5225	CABLE ASSEMBLY	1
9	P295024	CABLE, 2 CONDUCTOR	1
10	005226	POWER CORD	1
*	71.5224	COMPLETE CONTROL BOX ASSEMBLY	

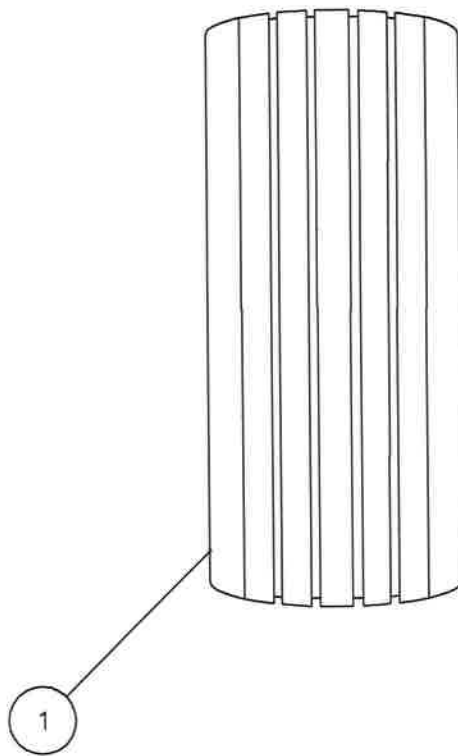
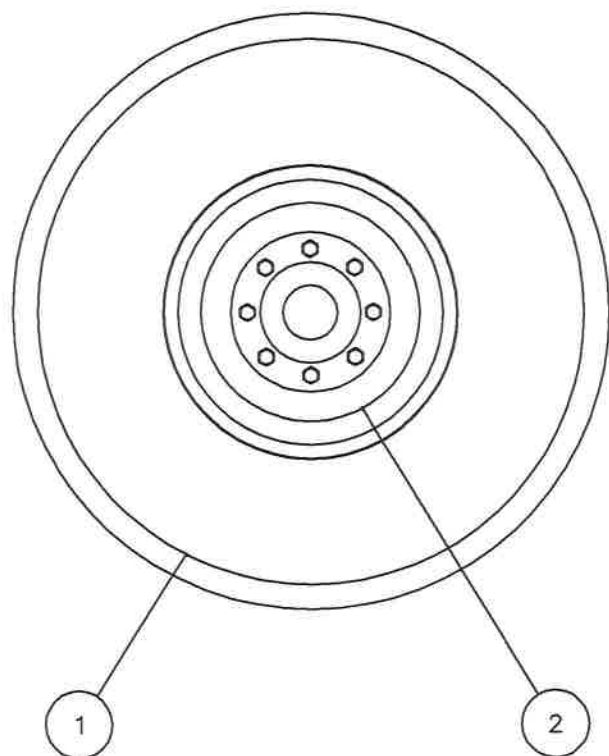




C

GAUGE WHEEL ASSEMBLY

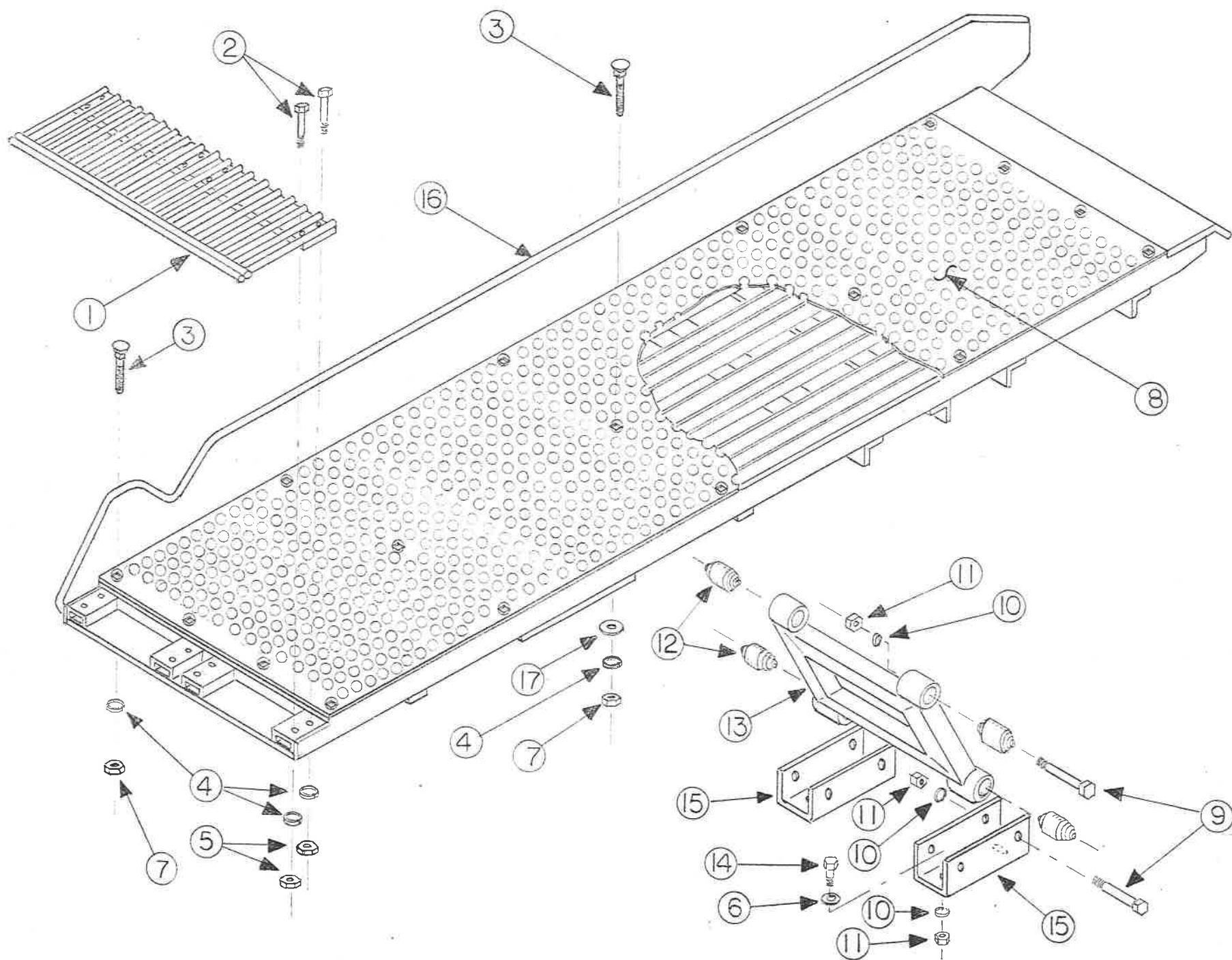
REF NO.	PART NO.	DESCRIPTION	QTY
1		TIRE, 27 X 9.50 NHS TERRA RIB	2
2	005111P	RIM, PIONEER # 106589 15 X 8, 6-HOLE	2
3	004907	KNEE WLD, LEFT (SHOWN)	1
	004908	KNEE WLD, RIGHT	1
4	004926P	HUB ASSEMBLY, 6 BOLT	2
5		NATL. SEAL #471424	4
6	004902	PIN WLD, KNEE PIVOT	2



D

REAR WHEEL ASSEMBLY

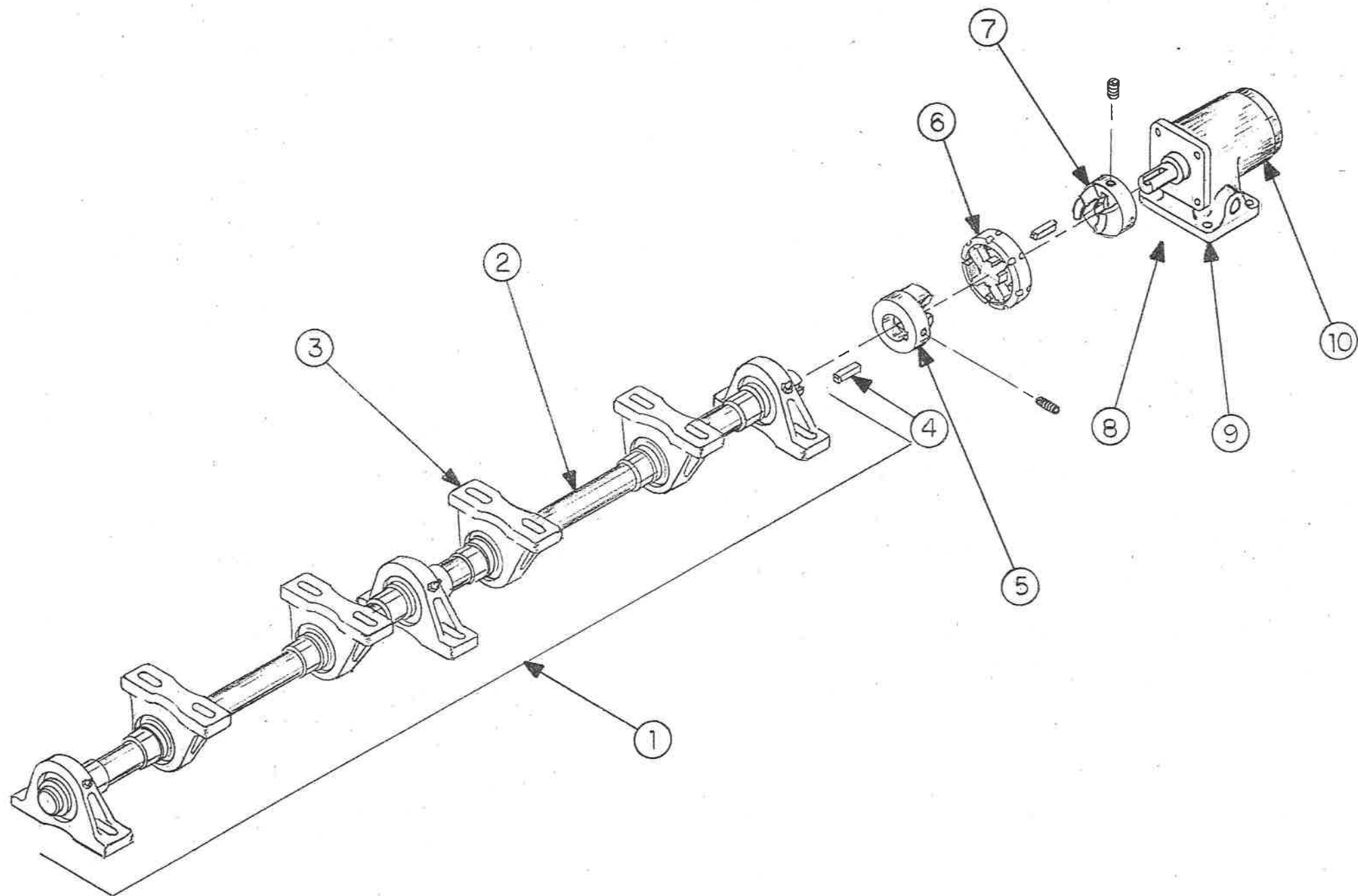
REF NO.	PART NO.	DESCRIPTION	QTY
1		TIRE, GOODYEAR 14L-16.1 SL 6 PLY #160667216	2
2	002148	RIM, PIONEER #106987 W11C X 16.1 8 HOLE	2
3	004927P	HUB ASSEMBLY, 8 BOLT	2



SCREEN SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1*	000304W	DIGGER POINT WLD, STD	2
2	000950P	BOLT, 3/8-16 NC X 2-1/4	16
3	001000P	BOLT, PLOW, 3/8-16 X 2-1/2	34
4	000955P	WASHER, LOCK, 3/8	50
5	000953P	NUT, LOCK, 3/8	16
6	000991P	WASHER, FLAT, 1/2 ZP	8
7	000960P	NUT, HEX, 3/8-16 GRADE-8 ZP	34
8A	004378	SCREEN, 3/4 PERF DW BOLT-IN	2
8B	004397	SCREEN, 3/8 PERF DW BOLT-IN	2
9	000987P	BOLT, 1/2-13 NC X 4	8
10	000990P	WASHER, LOCK, 1/2	16
11	000988P	NUT, LOCK, 1/2-13 NC	16
12	002057P	BUSHING, RUBBER	8
13	002051	RISER, REAR SCREEN	2
14	000982P	BOLT, 1/2-13 NC X 1-1/4	8
15	002134	CLEVIS, REAR SCREEN	4
16A	004374	SCREEN FRAME, RIGHT	1
16B	004375	SCREEN FRAME, LEFT	1
17	000956P	WASHER, FLAT 3/8	26

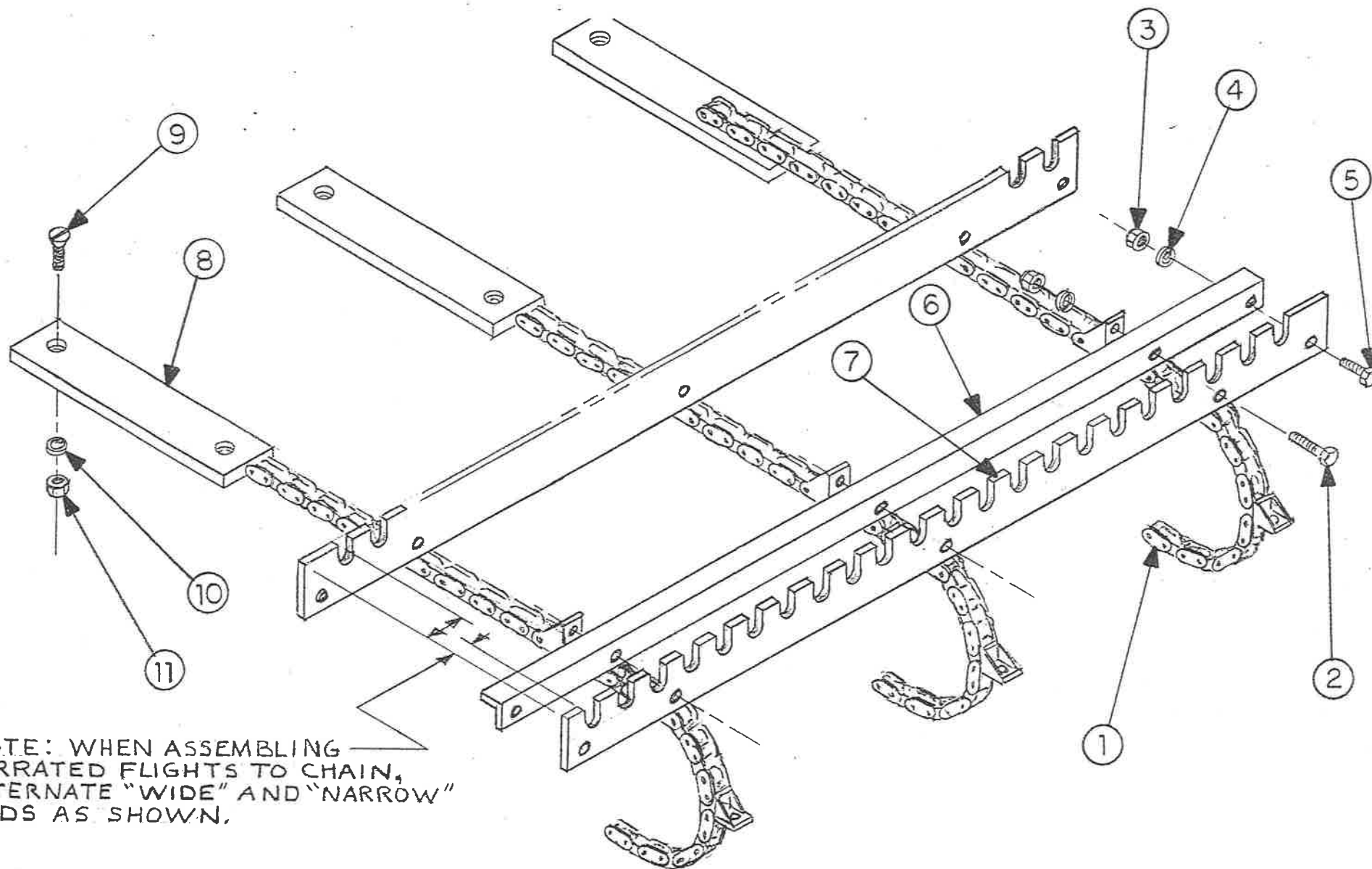
*OPTIONAL SOLID DIGGER POINT P/N 71.000330W QTY 2 REQD



OSCILLATOR MECHANISM

REF NO.	PART NO.	DESCRIPTION	QTY
1	002065A	SHAFT ASSEMBLY, OSCILLATOR INCLUDES 2 & 3	1
2	002065SA	SHAFT ASSY, OSC SUB	1
3	000691M	BEARING, OSC, 2" SEALMASTER	7
4	000067M	KEY, OSCILLATOR COUPLING	1
5*	000145M	COUPLING HALF, FLEX, 1-1/2" BORE *	1
		INCLUDES:	
	000966P	SET SCREW, 7/16-14 NC X 1/2"	1
6*	000142P	COUPLING INSERT, FLEX RUBBER *	1
7*	000140M	COUPLING HALF, FLEX, 1" BORE *	1
		INCLUDES:	
	000968P	SET SCREW, 7/16-14 NC X 3/4	1
8	003457	MOTOR ASSY, OSC (1017) INCLUDES: 9 & 10	1
9	000255P	BASE BLOCK, C/L #123-1008	1
10	003471P	MOTOR, C/L #101-1017 INCLUDES:	1
	000057P	KEY, WOODRUFF 1/4 X 1 NO. 15	1

* 71.P272900 COMPLETE COUPLER ASSEMBLY (INCLUDES #5, #6, #7 AND SET SCREWS)

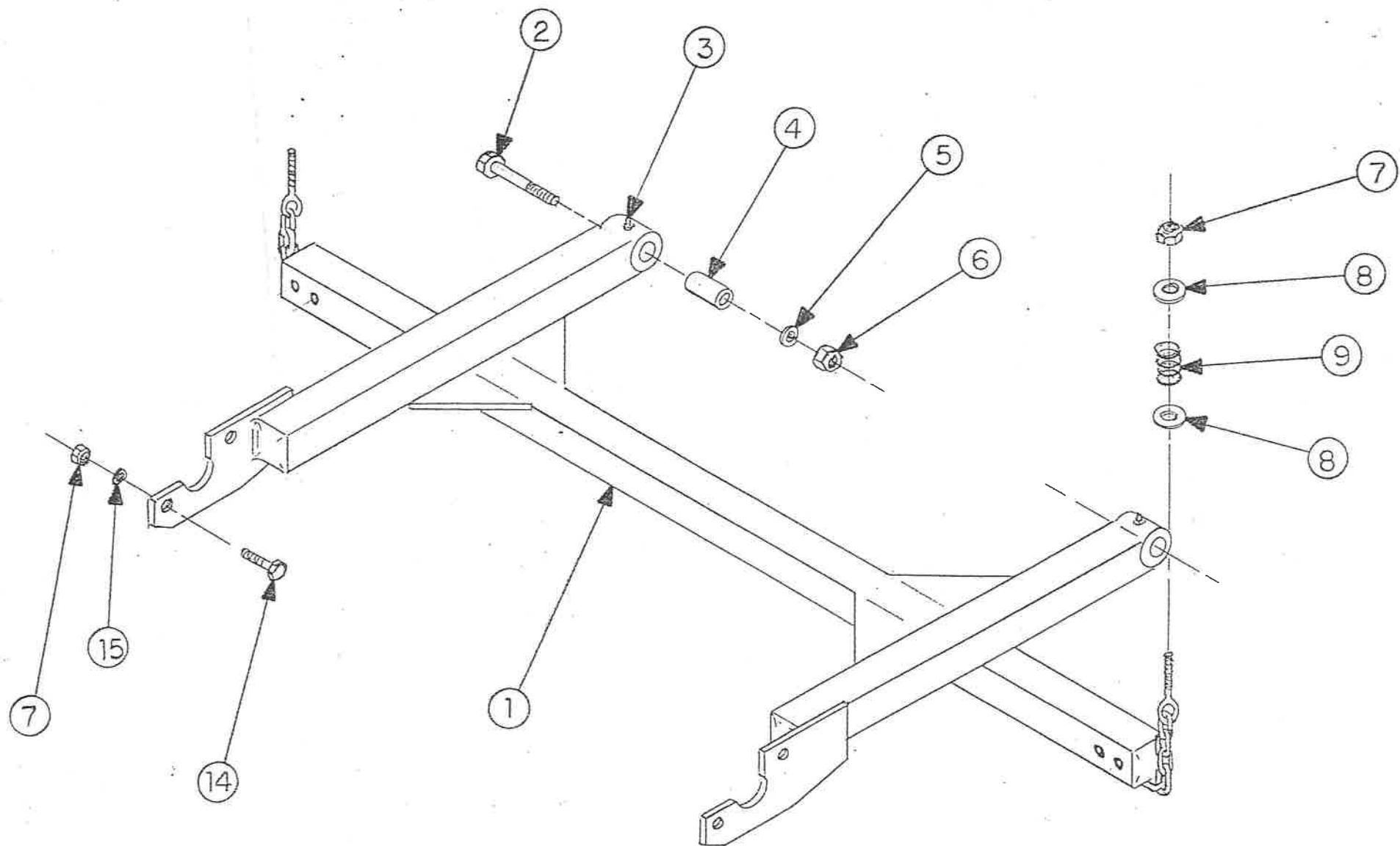


NOTE: WHEN ASSEMBLING
SERRATED FLIGHTS TO CHAIN,
ALTERNATE "WIDE" AND "NARROW"
ENDS AS SHOWN.

FLIGHT SYSTEM

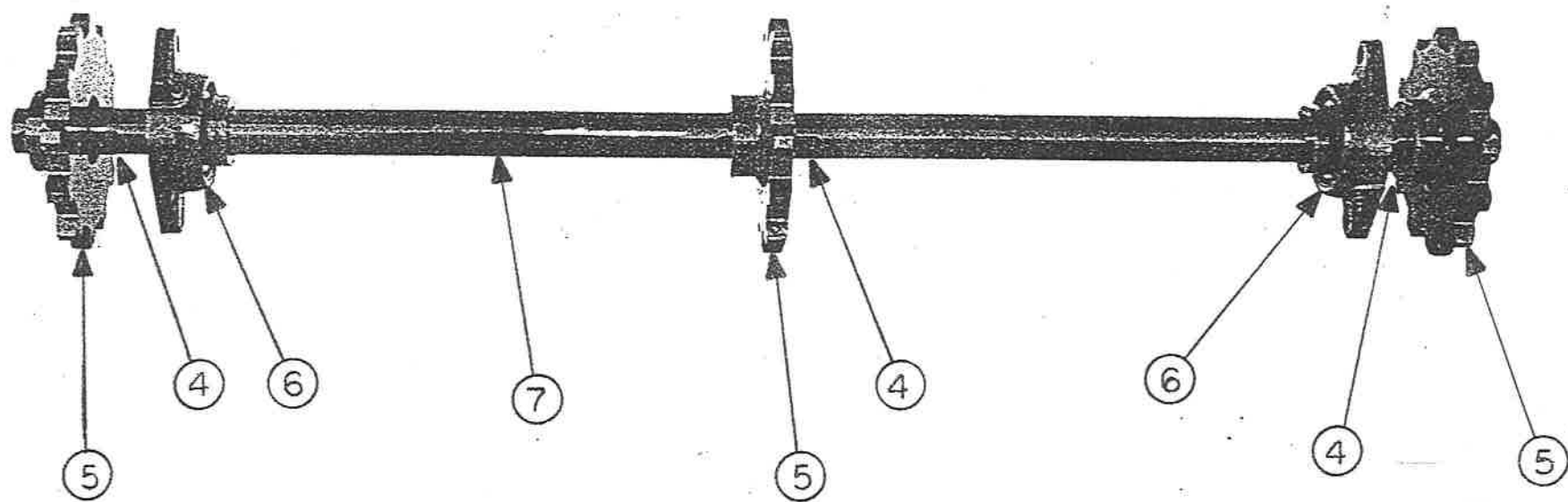
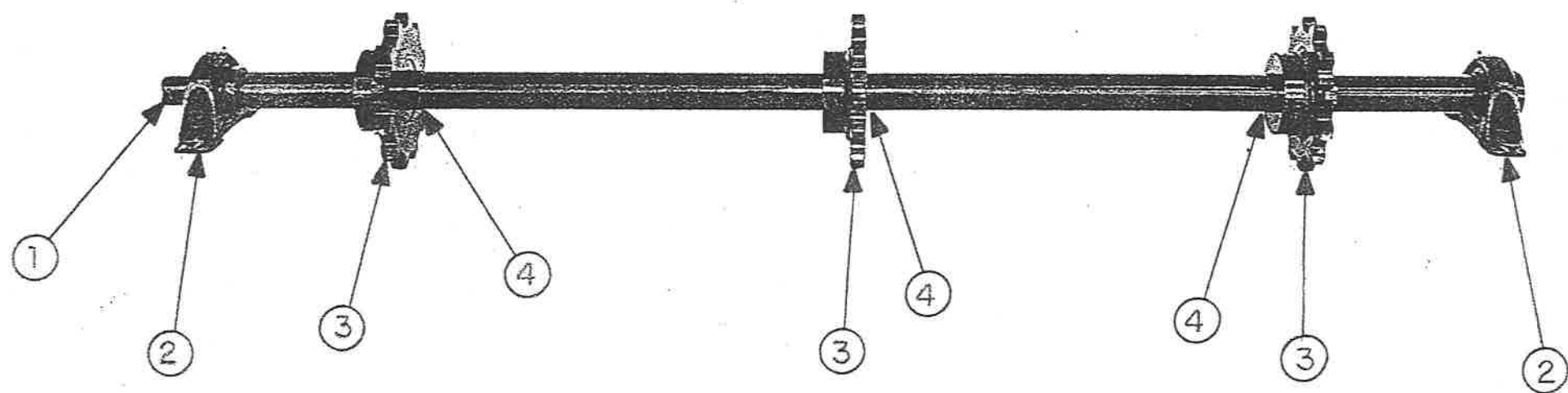
REF NO.	PART NO.	DESCRIPTION	QTY
1	000285M	CHAIN, #620 CONVEYOR * SEE NOTE BELOW	3
		REPAIR PARTS:	
	000283P	CHAIN LINK, #620 OFFSET	
	004584	CHAIN LINK, ATTACHMENT ASSY 5000	
		INCLUDES:	
	002230	CHAIN LINK, #620 HC 11 ATTACHMENT	1
	000282P	CHAIN LINK, #620 CONNECTOR	2
2	000947P	BOLT, 3/8-16 NC X 1-1/4	78
3	000946P	BOLT, 3/8-16 NC X 1	52
4	000955P	WASHER, LOCK, 3/8	130
5	000953P	NUT, LOCK, 3/8-16 NC	130
6	000053M	FLIGHT MOUNTING ANGLE	26
7	000052M	FLIGHT BLADE, SERR 2-1/4"	26
8	000271M	WEAR STRIP, CONVEYOR	6
9	000924P	BOLT, 5/16 X 1 FLAT HEAD	12
10	000928P	WASHER, LOCK, 5/16	12
11	000927P	NUT, HEX, 5/16-18 NC	12

*UPDATED CONVEYOR CHAIN #620 - 26 CLEAT P/N: 71.P632820



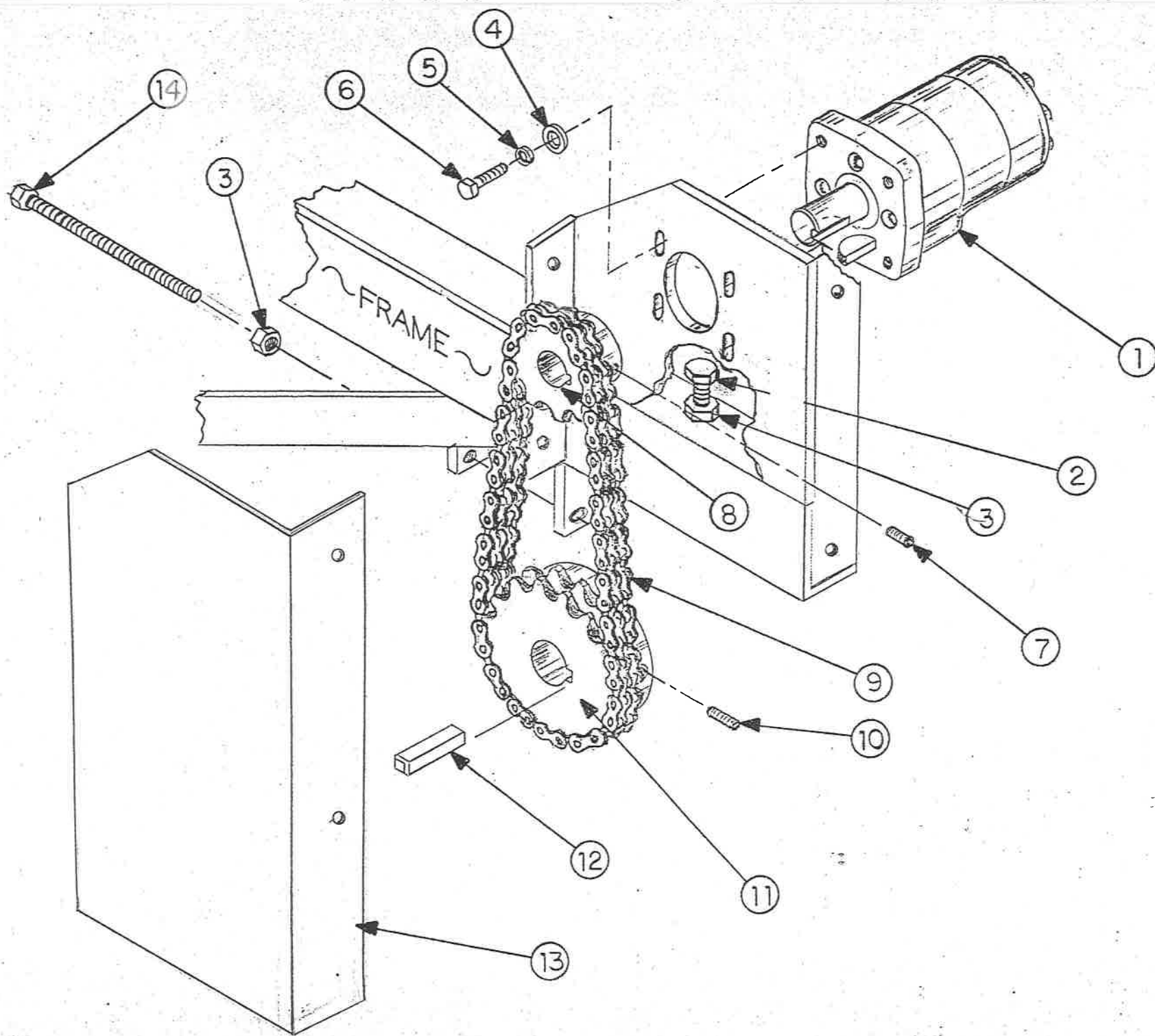
CONVEYOR SUPPORT ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	003046	CONVEYOR SUPPORT	1
2	000997P	BOLT, 5/8-11 NC X 4 GRADE 8	2
3	000876P	ZERK, 1/8 NPT SPIN DRIVE	2
4	000026M	SPACER, STABILIZER (2-1/16")	2
5	000935P	WASHER, LOCK, 5/8"	2
6	000932P	NUT, LOCK, 5/8-11 NC	2
7	000988P	NUT, LOCK, 1/2-13 NC	6
8	000991P	WASHER, FLAT, 1/2"	4
9	002122	SPRING, FRONT CONVEYOR SUPPORT	2
14	000984P	BOLT, 1/2-13 NC X 1-3/4	4
15	000990P	WASHER, LOCK, 1/2"	4



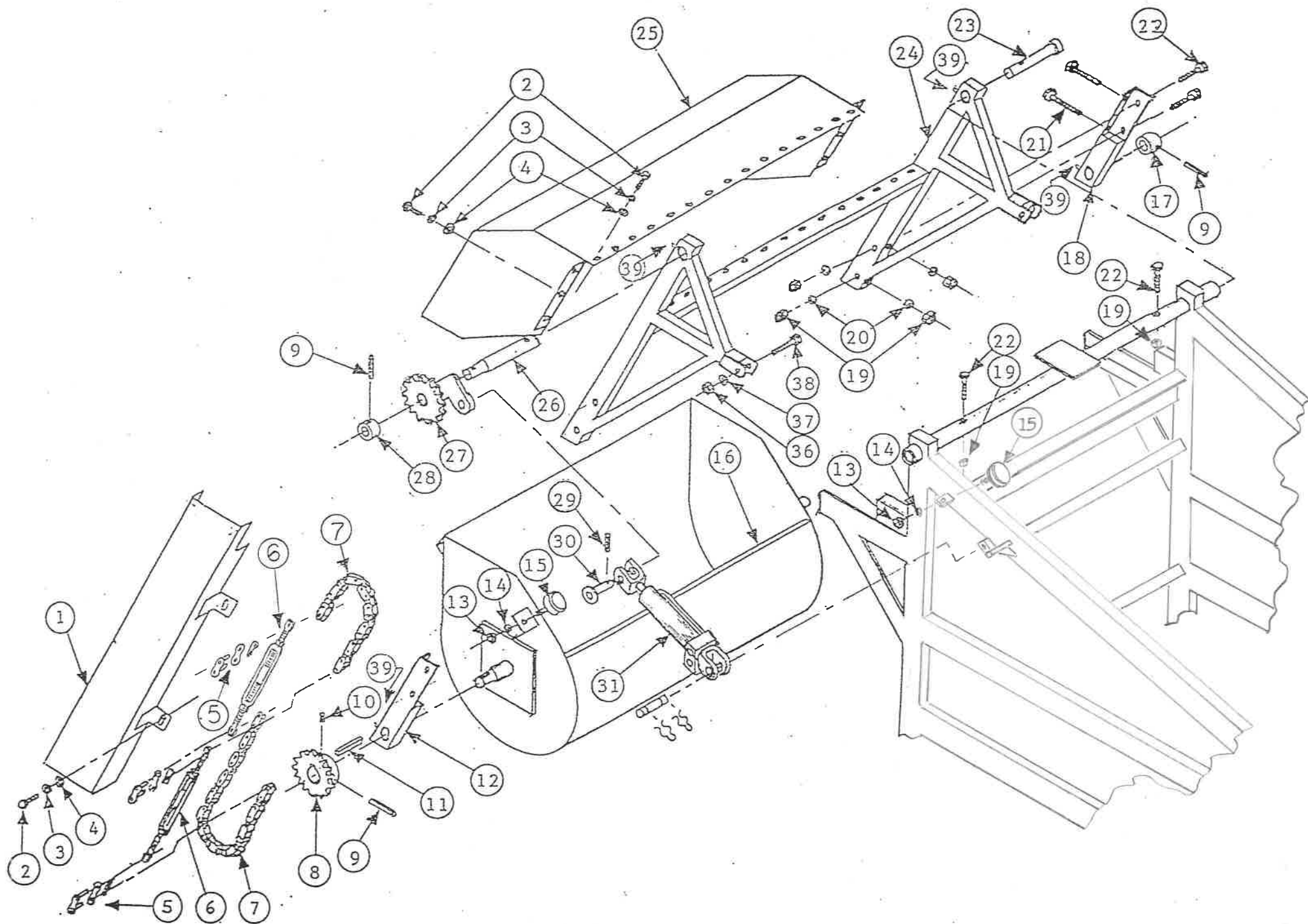
CONVEYOR SHAFT ASSEMBLIES, FRONT & REAR

REF NO.	PART NO.	DESCRIPTION	QTY
1	000454M	SHAFT, REAR CONVEYOR (1-3/4")	1
2	000279P	BEARING, FAFNIR 1-7/16" TAK PB	2
3	000324W	SPROCKET, 620 12T 1-3/4 B	3
4	000328M	KEY, CONVEYOR SHAFT	3
	000454A	SHAFT, ASSY, REAR CONVEYOR INCLUDES: 1 THRU 4	1
5	000257W	SPROCKET, 620 12T 1-7/16 B	3
6	000277P	BEARING 1-7/16" FLANGE	2
7	000272M	SHAFT, FRONT CONVEYOR	1
	000272A	SHAFT ASSY, FRONT CONVEYOR INCLUDES: 4 THRU 7	1



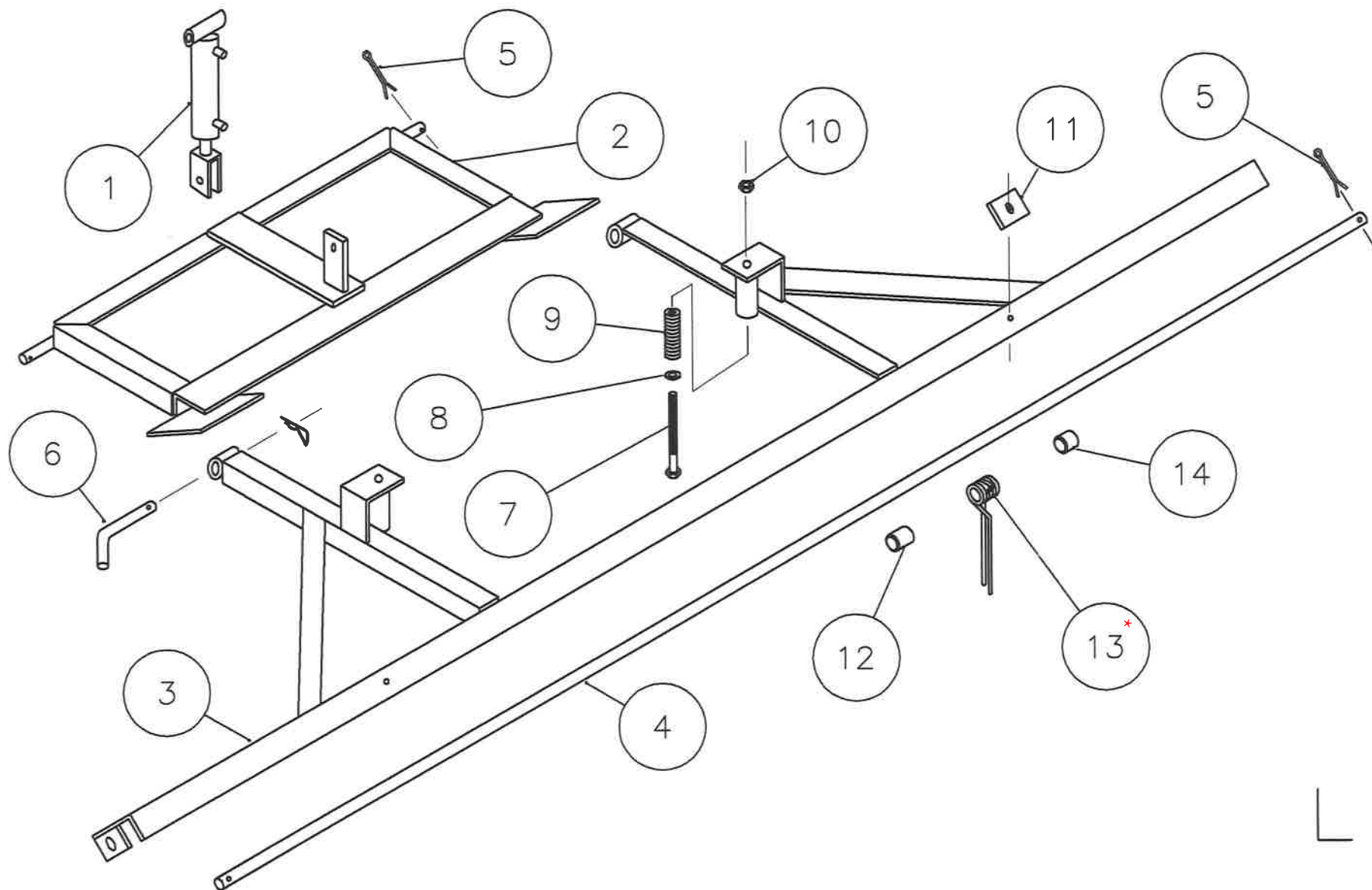
CONVEYOR DRIVE MECHANISM

REF NO.	PART NO.	DESCRIPTION	QTY
1	005191P	MOTOR, CONVEYOR (1751)	1
		INCLUDES:	
	000057P	KEY, WOODRUFF 1/4 X 1 NO. 15	1
2	000985P	BOLT, 1/2"-13 NC X 2	1
3	000989P	NUT, 1/2"-13 NC	3
4	000956P	WASHER, FLAT, 3/8"	4
5	000955P	WASHER, LOCK, 3/8"	4
6	000946P	BOLT, 3/8-16 NC X 1	4
7	000964P	SET SCREW, 3/8 NC X 3/8	1
8	000511M	SPROCKET, D50 13 T 1 B	1
9	002175	CHAIN, #50 DOUBLE	1
		INCLUDES:	
	000764P	CHAIN LINK, #50-2 CONNECTOR	1
10	000965P	SET SCREW 3/8-16 NC X 3/4	1
11	000512M	SPROCKET, D50 23 T 1-7/16 B	1
12	000534M	KEY, CONVEYOR SPROCKET - DRIVEN	1
13	005187	GUARD, CONVEYOR MOTOR CHAIN	1
14	000374W	BOLT, REAR SHAFT ADJ.	2



HOPPER AND ROLLOVER COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	002279	GUARD, R/O CHAIN	1
2	000900P	BOLT, 1/4-20 NC X 3/4	27
3	000909P	WASHER, LOCK, 1/4	27
4	000910P	WASHER, FLAT, 1/4	27
5	000284P	CHAIN LINK, #80 CONNECTOR	4
6	000268A	TURNBUCKLE ASSY	2
7	005095	CHAIN, #80, ROLLOVER HOPPER INCLUDES: 5	2
8	000267W	SPROCKET, HOPPER-DRIVEN 16T	1
9	000971P	PIN, SPRING, 3/8 X 2-1/2	3
10	000792P	SET SCREW, 3/8-16 NC X 1/4	1
11	000069M	KEY, HOPPER SPROCKET	1
12	003019	BOOM ARM WLD, RH DETACHABLE	1
13	000953P	NUT, LOCK, 3/8	2
14	000955P	WASHER, LOCK, 3/8	2
15	000358M	STOP, RUBBER	2
16	003677	HOPPER WLD, BC	1
17	000365M	COLLAR, RETAINING, HOPPER	1
18	003018	BOOM ARM WLD, LH DETACHABLE	1
19	000988P	NUT, LOCK, 1/2-13 NC	10
20	000990P	WASHER, LOCK, 1/2	8
21	000987P	BOLT, 1/2-13 NC X 4	4
22	000986P	BOLT, 1/2-13 NC X 3	6
23	000243W	BOOM SWIVEL WLD, L.H.	1
24	003022	BOOM WELDMENT	1
25	000124W	HOOD WLD	1
26	000292M	BOOM SWIVEL - R.H.	1
27	003032	CRANK, HOPPER	1
28	000274M	COLLAR, RETAINING, HOPPER CRANK	1
29	000972P	PIN, SPRING 3/8 X 2	2
30	000550W	PIN, ROLLOVER CYLINDER	1
31	004974	CYLINDER, 2B X 8S w/Cav	1
	004975P	VALVE, PILOT CHECK CARTRIDGE	1
	000397P	SEAL KIT, HOPPER CYLINDER	1
32	000359P	PIN, CLEVIS (1")	1
33	000349P	CLIP, CLEVIS PIN	2
34	000240W	ADJ. BASE, HOPPER CYLINDER	1
35	000939P	NUT, HEX, 3/4-10 NC	2
36	000932P	NUT, LOCK, 5/8-11 NC	2
37	000935P	WASHER, LOCK, 5/8	2
38	000366M	PIN, CLEVIS (5/8" BOLT)	2
39	000401P	ZERK, 1/8 NPT, 5003, 1-1/4 OAL	4



GROOMER ASSY

REF NO.	PART NO.	DESCRIPTION	QTY
1	004638	CYLINDER, GROOMER	1
2	004864	LIFT BRKT, GROOMER	1
3	004862	GROOMER BAR	1
4	004229	PIPE, SPRING MOUNT	1
5	001689P	PIN, COTTER 3/16 X 2 ZP	4
6	004305P	PIN, BENT HITCH 3/4 X 3-1/2	2
7	002171P	BOLT, 1/2-13 X 5-1/2	2
8	000991P	WASHER, FLAT 1/2	2
9	004660P	SPRING, DIE 5"	2
10	000988P	NUT, LOCK, 1/2-13 NC	2
11	004883	WEAR PAD, GROOMER	2
12	004262	SPACER, GROOMER 1"	33
13*	004243	SPRING	36
14	004263	SPACER, GROOMER 3/4"	2

*NOTE 004243 STEEL SPRING TINE IS UNAVAILABLE / OBSOLETE
GROOMER WILL REQUIRE UPDATING TO RUBBER GROOMER FLAPS / COMBS AND BRACKETS

RUBBER GROOMER COMB CONVERSION ITEMS MDL 4000 / 5000

REQUIRED ITEMS TO CONVERT FROM STEEL SPRING TINES TO RUBBER GROOMER COMB / PADS

<u>Item</u>	<u>Component</u>	<u>Description</u>	<u>Qty</u>
005337		GROOMER PAD: 4000/5000 CENTER	1
005339		BRKT: GROOMER COMB, CENTER	1
005340		BRKT: GROOMER COMB, OUTSIDE	2
500131		GROOMER PAD: 4000/5000 RIGHT	1
500132		GROOMER PAD: 4000/5000 LEFT	1
P100504		BOLT: HEX, 5/16" NC X 1" GR5 ZN	18
P155350		NUT: HEX, 5/16 TOP-LOCK	18
P850105		WASHER: FLAT GALV-5/16"	18
P851105		WASHER: LOCK 5/16" GALV	18

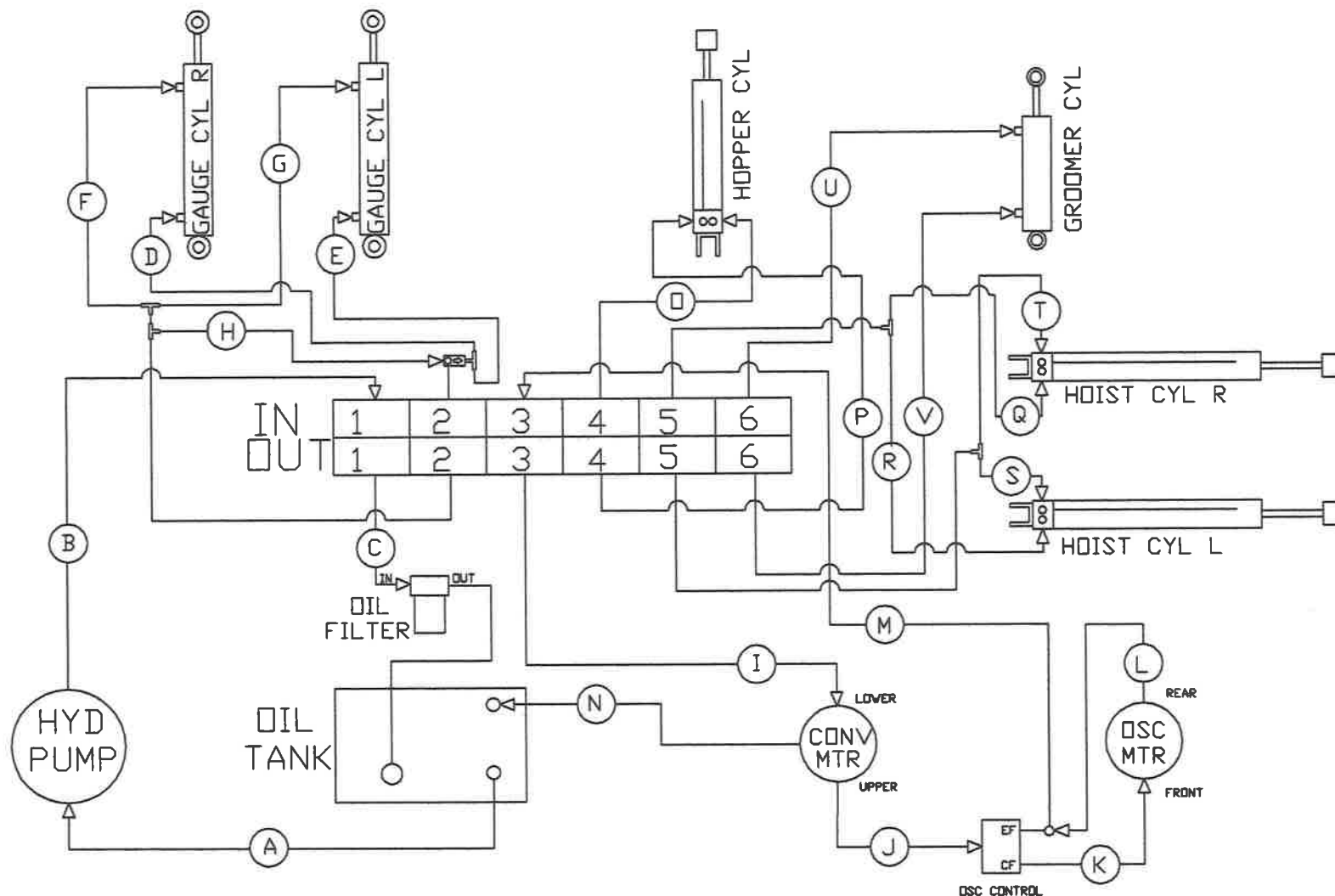
NOTE:

ABOVE LISTED ITEMS CONVERT AN EXISTING STEEL SPRING TINE GROOMER TO MODERN RUBBER COMBS
GROOMER WILL BE UPDATED WITH 3 INDIVIDUAL RETROFITABLE SECTIONS:

LEFT

CENTER

RIGHT



EXCEPT AS NOTED:

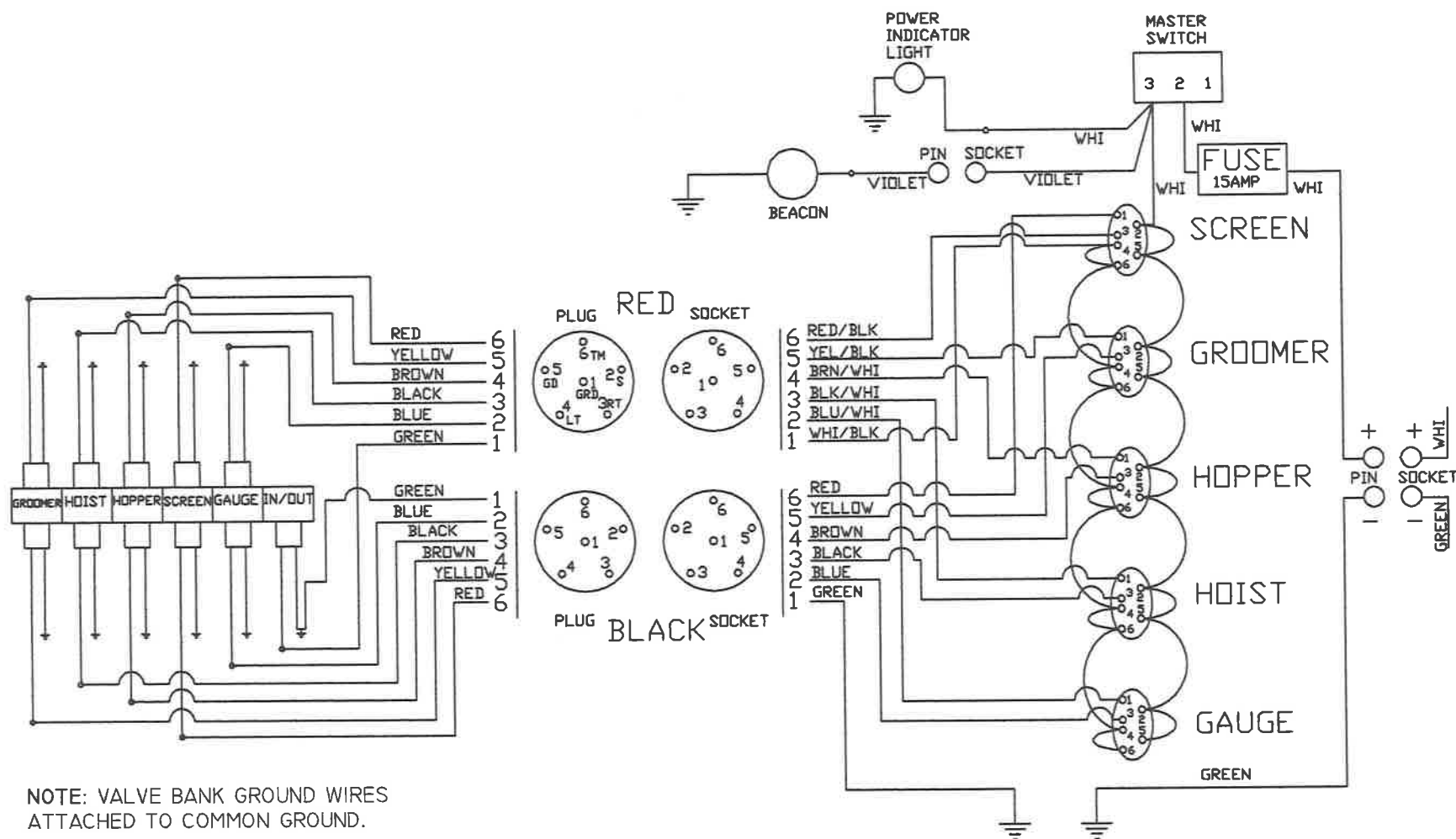
PLASMA CUTTING

16-14 GA (+) .0 (-) .06
 12-7 GA (+) .0 (-) .125
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .06
 WELDMENTS (+/-) .06
 HOLE DIA (+) .008 (-) .005
 ALL OTHER (+/-) .015
 ANGLES (+/-) 2°
 FORMING MATL THICKNESS
 BREAK ALL CORNERS .005 MIN

FILE NAME	004712	MATL:			
BEGAN ON	400101	HYD DIAGRAM-4000PT			
PER ECO#	00-001	CHERRINGTON CORP			
REPLACED		FAIRFAX, MN 55332			
ON	PER#	SIZE	DWG NO		REV
REPLACED BY		CH_A	004712		
ON	PER#	SCALE 1:1	DRAWN 08.03.2001	DLD	SHEET 1 OF 1

004712 (RB)
HYD. DIAGRAM, 4000PT

- A. PTR 1-1/4 X 3/4, ZINGA FT-0710ZP, HOSE H1183P, ZINGA FT-0710ZP, PTR 1 X 3/4, AOEG 18-1
- B. AOEG 12-3/4, 0107-12-8, HOSE H1184P, 2107-8-8, 0507-10-8
- C. 2507-10-8, HOSE H1026P, 3107-12-8, 2507-12-12, F50G5 20-12, FILTER, F50G 20-1 1/4
- D. F50G 8-3/8, FF 3/8 X 3/8, CHECK VALVE PC-37, MMO 3/8, 2107-6-6, HOSE H4751P, 2507-8-6
- E. 2107-6-6, HOSE H1187P, 2507-8-6
- F. AOEG 8-3/8, MRO 3/8, MRO 3/8, 0107-6-6, 2107-6-6, HOSE H4756P, 2507-8-6
- G. 3107-6-6, HOSE H4750P, 2507-8-6
- H. 2107-6-4, HOSE H1089P, 0107-4-4
- I. 0507-8-8, 2107-8-8, HOSE H1185P, 3507-10-8
- J. 3507-10-8, HOSE H1186P, 3107-12-8, 2507-12-12
- K. 0507-12-8, 2107-8-8, HOSE H4753P, 2507-10-8
- L. 2507-10-8, HOSE H4754P, 3107-8-8, MRO 1/2, 0507-12-8
- M. 3107-8-8, HOSE H4752P, 2107-8-8, 0507-8-8
- O. AOEG 8-3/8, FF 3/8 X 1/4, NEEDLE VALVE KLN-250, 0107-4-6, HOSE H1188P, 2507-6-6
- P. 0507-8-6, 2107-6-6, HOSE H1189P, 2507-6-6
- Q. AOEG 8-3/8, FF 3/8 X 1/4, NEEDLE VALVE KLF-250 (>), MMS 1/4, 2107-4-6, HOSE H4755P, 2507-6-6
- R. 2107-4-6, HOSE H4757P, 2507-6-6
- S. 0507-8-6, 2107-6-6, MMS 3/8, 2107-6-6, HOSE H1154P, 2507-6-6
- T. 2107-6-6, HOSE H1153P, 2507-6-6
- U. AOEG 8-3/8, 0107-6-4, HOSE H1144P, 2107-4-4
- V. 0507-8-6, 2107-6-6, FF 3/8 X 1/4, NEEDLE VALVE KLN-250, 0107-4-4, HOSE H1144P, 2107-4-4



EXCEPT AS NOTED:

PLASMA CUTTING

16-14 GA (+) .0 (-) .06

12-7 GA (+) .0 (-) .125

SAWING (+) .0 (-) .06

SHEARING (+) .0 (-) .06

WELDMENTS (+/-) .06

HOLE DIA (+) .008 (-) .005

ALL OTHER (+/-) .015

ANGLES (+/-) 2°

FORMING MATL THICKNESS

BREAK ALL CORNERS .005 MIN

FILE NAME	005108	MATL:	
BEGAN ON	400101	WIRING DIAGRAM	
PER ECO#	00-001	CHERRINGTON CORP	
REPLACED		FAIRFAX, MN 55332	
ON	PER#	SIZE	DWG NO
REPLACED BY		CH_A	005108
ON	PER#	SCALE 1:1.5	DRAWN 09.04.2001 DLD
		SHEET	1 OF 1