



Cherrington

Model 4000

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

Parts Manual

(5/2003)

403A106 - 403A125

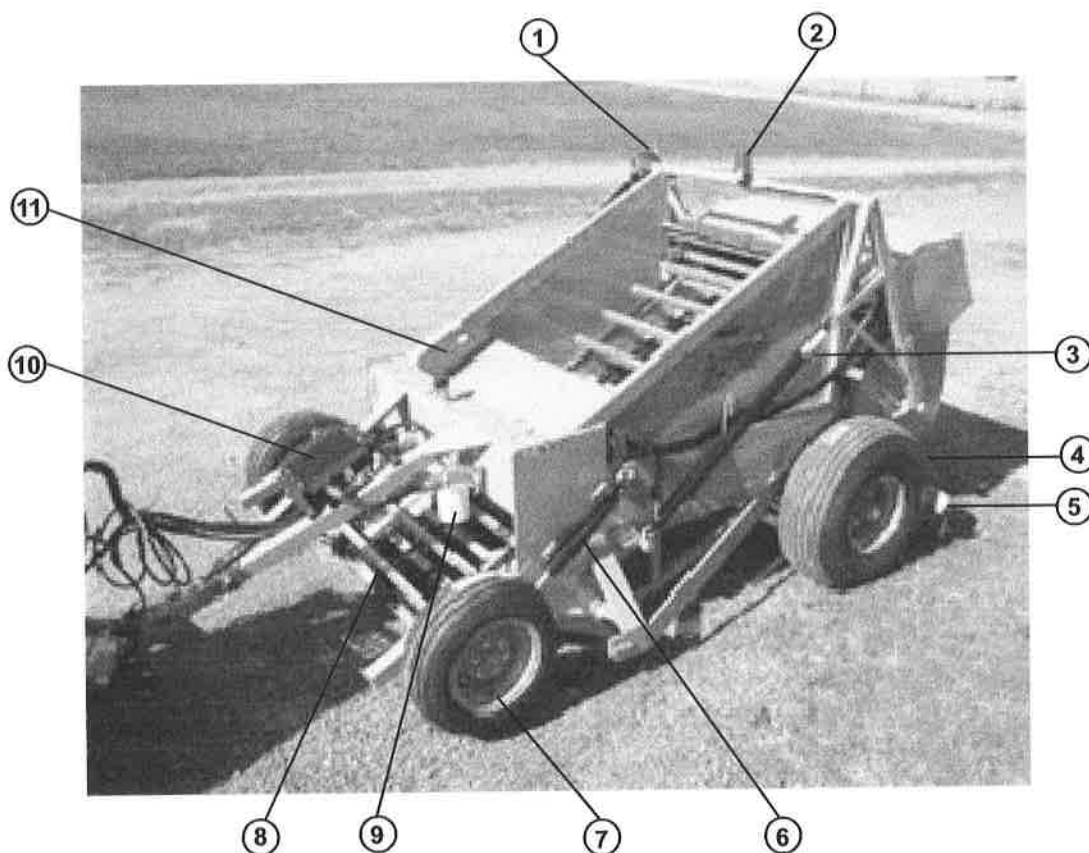
By **Harley**
Enterprises

TABLE OF CONTENTS

Table of Contents	1
Overall Machine Legend	2
Control Box	3
Wheel Assembly Legend	4
Screen System	5
Oscillator Mechanism	6
Flight System	7
Conveyor Support Assembly	8
Conveyor Shaft Assemblies	9
Hopper and Rollover Components	10-11
Conveyor Drive Mechanism	12
Groomer Assembly	13
Electrical Diagram	14-15
Hydraulic Diagram	16

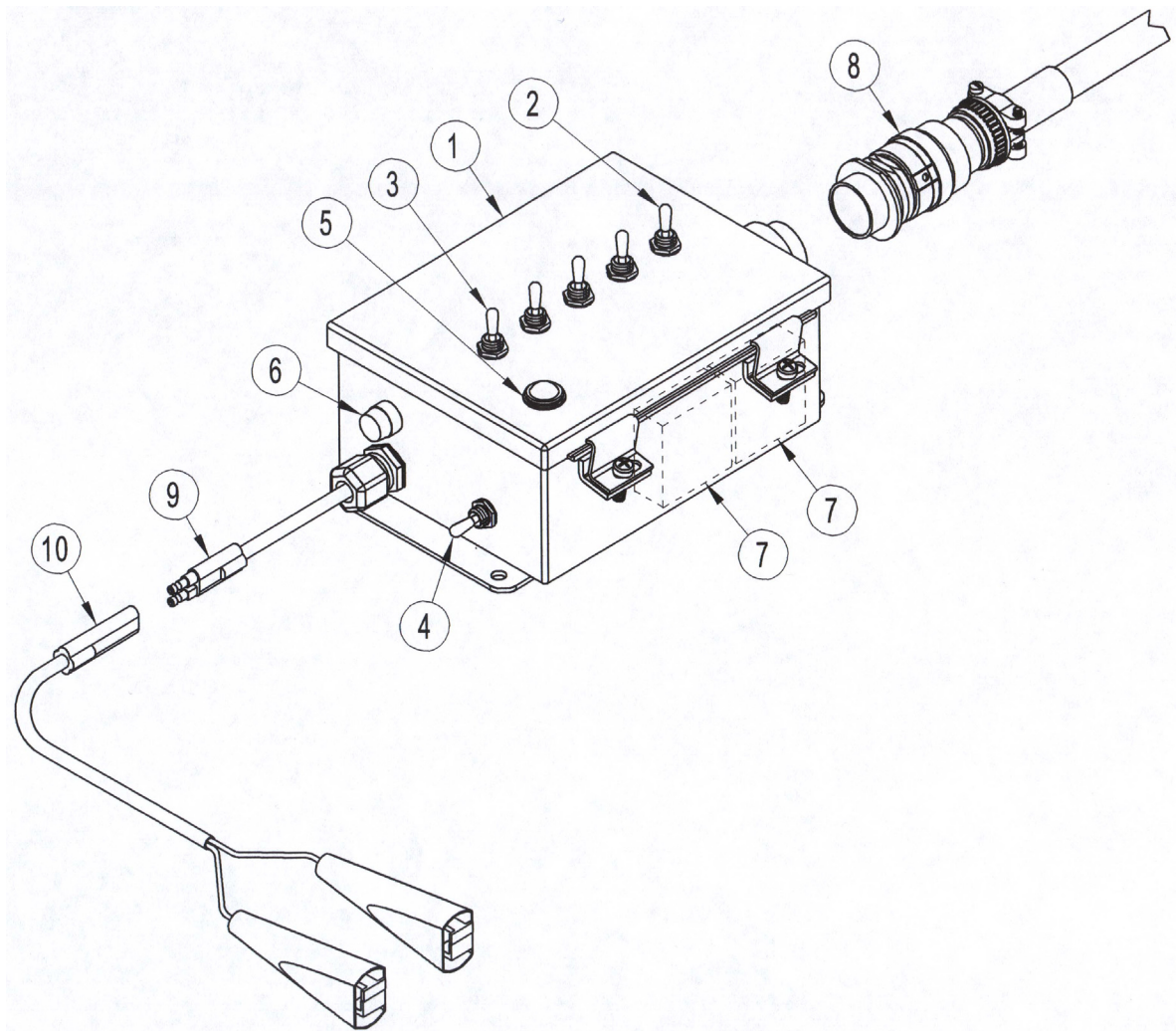
OVERALL MACHINE LEGEND

REF NO.	PART NO.	DESCRIPTION	QTY
1	PAGE 10/11	ROLLOVER MECHANISM	
2	P312600	STROBE LIGHT	1
3	P259315	CYLINDER, HOIST, 2b x 42s w/CAV	2
	P259316	SEAL KIT: RKT2-0087	
4	PAGE 4	REAR WHEEL ASSEMBLY	2
5	PAGE 13	GROOMER ASSEMBLY	1
6	P259410	CYLINDER, GAUGE, PRINCE 9212, 3b x 12s	2
	P259411	SEAL KIT: RKT3-0096	
7	PAGE 4	GAUGE WHEEL ASSEMBLY	2
8	PAGE 7	FLIGHT SYSTEM	
9	P371730	FILTER, HYDRAULIC, O-RING HD W/ELEMENT HOUSING	1
	P371810	FILTER, HYD-REPLACEMENT ELEMENT FILTER ONLY	1
10	P117300	HYDRAULIC OIL COOLER	1
11	P999000	BOX: OWNERS MANUAL	1



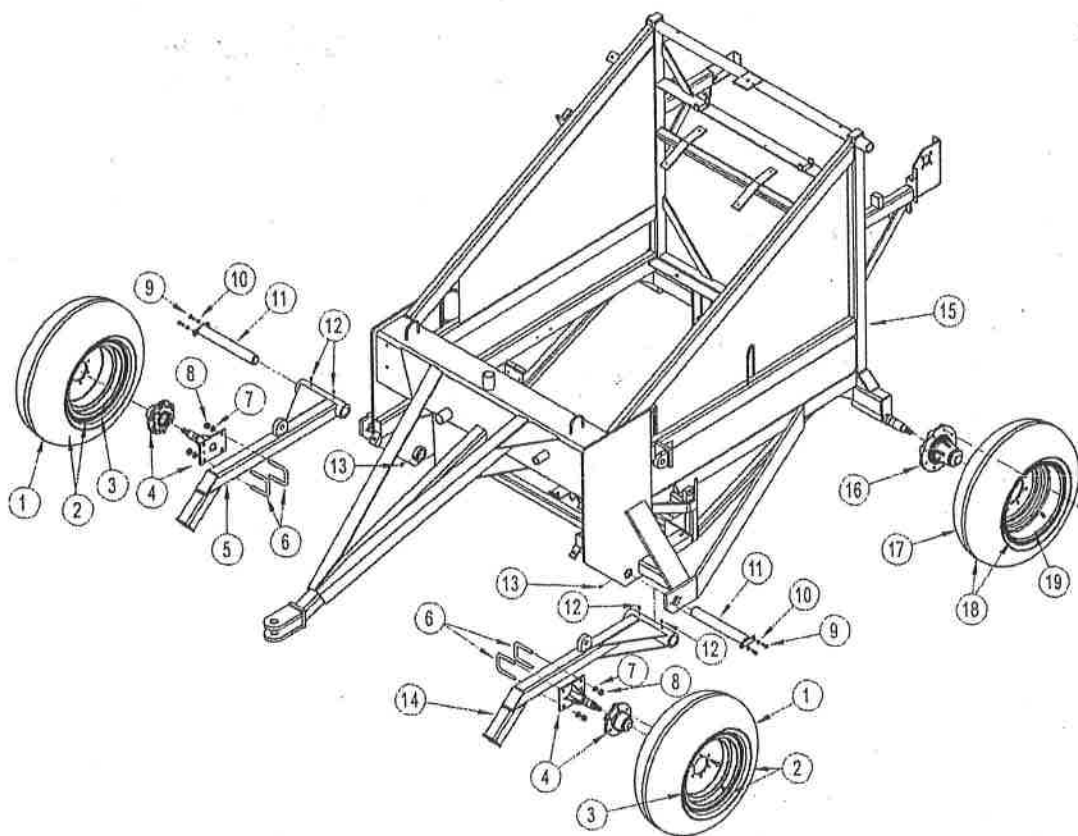
CONTROL BOX

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	



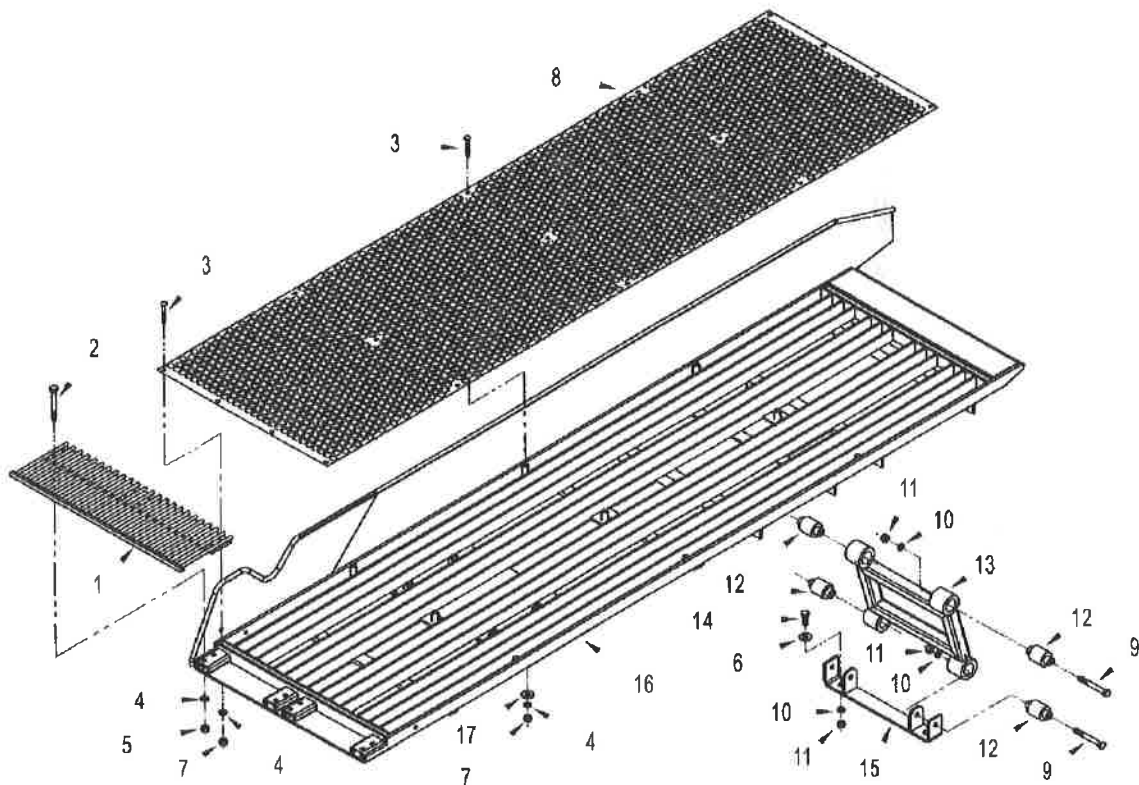
WHEEL ASSEMBLY LEGEND

REF NO.	PART NO.	DESCRIPTION	QTY
1	P763700	TIRE: 27 X 9.5-8	2
2	005103	GAUGE WHEEL ASSEMBLY (INCLUDES 1 & 3)	2
3	P750600	RIM: 15 X 8	2
4	005201	AXLE ASSEMBLY: GAUGE WHEEL	2
5	005199	KNEE MOUNT, RIGHT	1
6	P128420	U-BOLT: 5/8 X 3 X 4-1/4	4
7	P851110	WASHER: LOCK, 5/8	4
8	P157500	NUT: 5/8-11 NC TOP LOCK	4
9	P100604	BOLT: 3/8-16 NC X 1	4
10	P851106	WASHER: LOCK, 3/8	4
11	005219	KNEE PIVOT PIN	2
12	P620200	ZERK: 1/4-28 STRAIGHT	4
13	P108554	SET SCREW: 7/16-14 X 1/2	2
14	005200	KNEE MOUNT, LEFT	1
15	005198	MAIN FRAME: 4000	1
16	005101	HUB ASSEMBLY: 8 BOLT	2
17	P763400	TIRE: 14L X 16.1	2
18	005102	WHEEL ASSEMBLY, REAR (INCLUDES 17 & 19)	2
19	P750800	RIM, 16.1 X 11 3/8+OS	2



SCREEN SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1 *	000304W	DIGGER POINT WELD, STANDARD	2
2	P100609	BOLT: 3/8-16 NC X 2-1/4"	16
3	P114610	PLOW BOLT: 3/8-16 X 2-1/2"	34
4	P851106	WASHER: LOCK 3/8"	50
5	P155450	NUT: 3/8" TOP-LOCK	16
6	P850108	WASHER: FLAT ZINC 1/2"	4
7	P150601	HEX NUT: 3/8" GR.8 PLATED	34
8A	004378	SCREEN: 3/4" PERF DW BOLT-IN	2
8B	004397	SCREEN: 3/8" PERF DW BOLT-IN	2
9	P100816	BOLT: 1/2-13 NC X 4"	8
10	P851108	WASHER: LOCK 1/2"	12
11	P155850	NUT: 1/2" TOP-LOCK	12
12	P126820	BUSHING: RUBBER	8
13	002051	RISER, REAR SCREEN	2
14	P100805	HEX BOLT: 1/2" X 1-1/4"	4
15	005202	BRKT: LOWER SCREEN RISER	2
16A	004374	SCREEN FRAME, RIGHT	1
16B	004375	SCREEN FRAME, LEFT	1
17	P850106	WASHER: FLAT ZINC 3/8"	26



(05/2003)

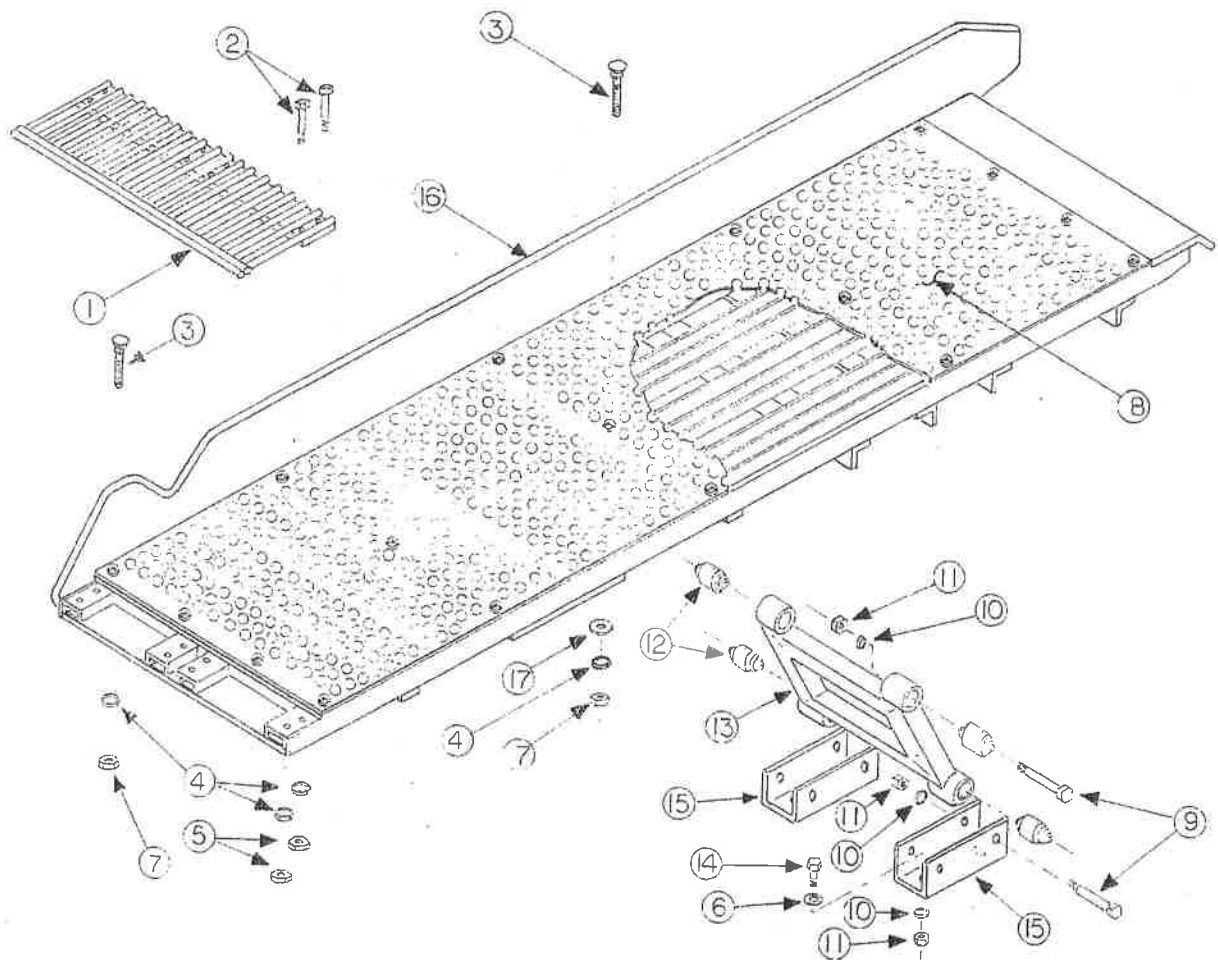
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CHERRINGTON

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

SCREEN SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1 *	000304W	DIGGER POINT WELD, STANDARD	2
2	P100609	BOLT: 3/8-16 NC X 2-1/4"	16
3	P114610	PLOW BOLT: 3/8-16 X 2-1/2"	34
4	P851106	WASHER: LOCK 3/8"	50
5	P155450	NUT: 3/8" TOP-LOCK	16
6	P850108	WASHER: FLAT ZINC 1/2"	8
7	P150601	HEX NUT: 3/8" GR.8 PLATED	34
8A	004378	SCREEN: 3/4" PERF DW BOLT-IN	2
8B	004397	SCREEN: 3/8" PERF DW BOLT-IN	2
9	P100816	BOLT: 1/2-13 NC X 4"	8
10	P851108	WASHER: LOCK 1/2"	16
11	P155850	NUT: 1/2" TOP-LOCK	16
12	P126820	BUSHING: RUBBER	8
13	002051	RISER, REAR SCREEN	2
14	P100805	HEX BOLT: 1/2" X 1-1/4"	8
15	002134	CLEVIS, REAR SCREEN	4
16A	004374	SCREEN FRAME, RIGHT	1
16B	004375	SCREEN FRAME, LEFT	1
17	P850106	WASHER: FLAT ZINC 3/8"	26



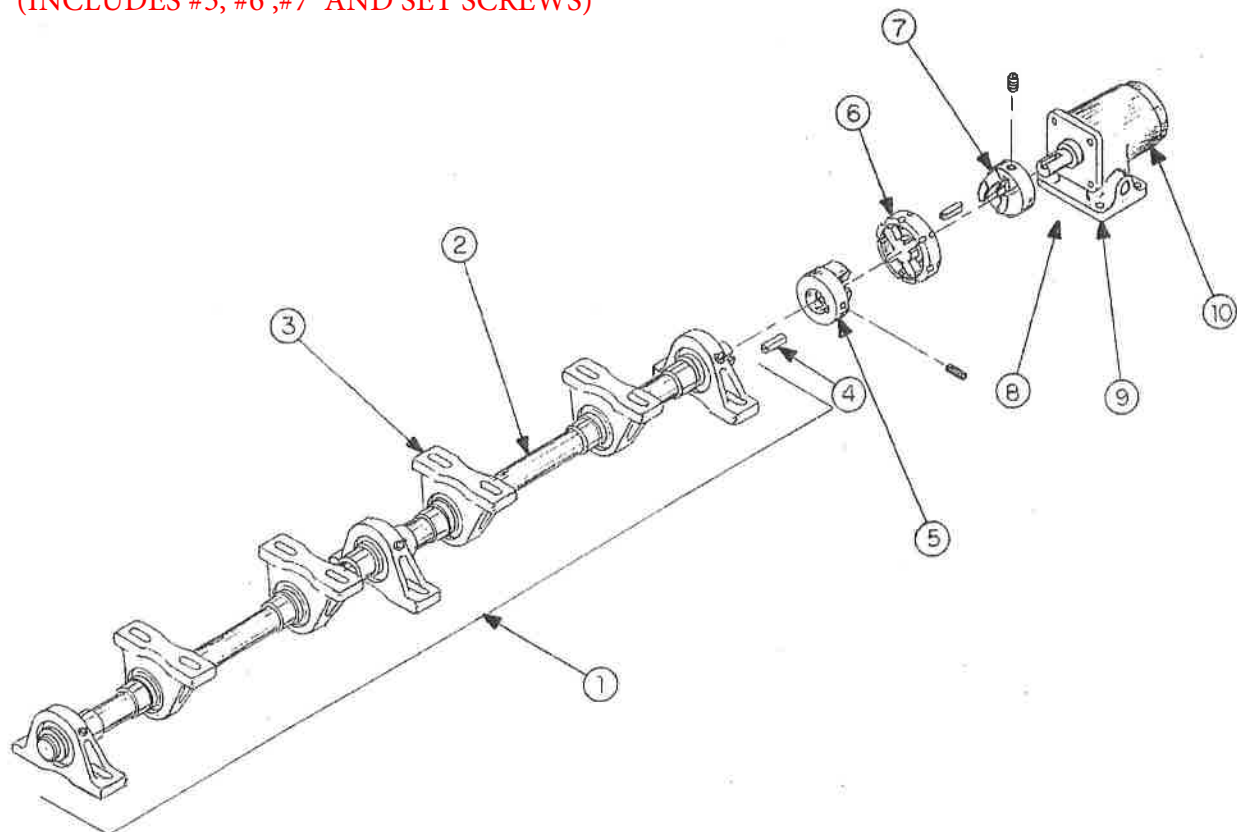
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*OPTIONAL SOLID DIGGER POINT P/N 71.000330W QTY 2 REQD

OSCILLATOR MECHANISM

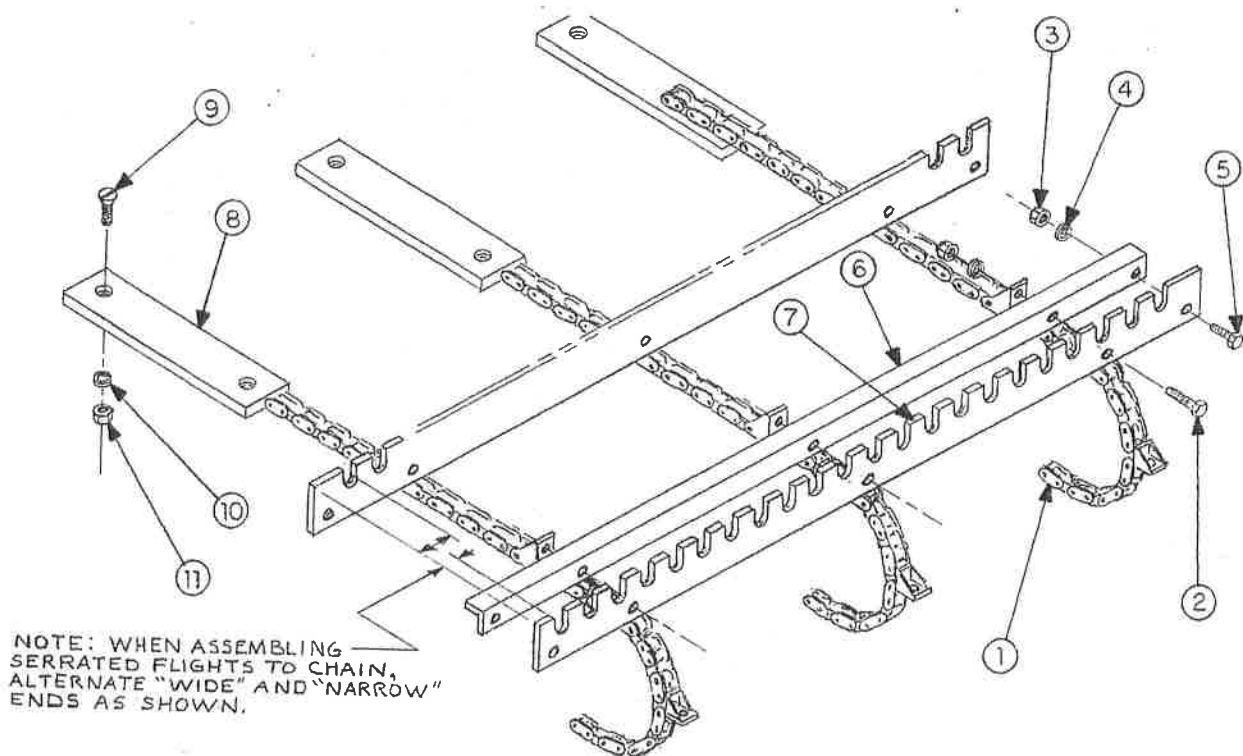
REF NO.	PART NO.	DESCRIPTION	QTY
1	002065A	SHAFT ASSEMBLY, OSCILLATOR (INCLUDES 2 & 3)	1
2	002065SA	SHAFT ASSEMBLY, OSCILLATOR SUB	1
3	000691M	BEARING, OSC, 2" SEALMASTER	7
4	000067M	KEY, OSCILLATOR COUPLING	1
5*	P272960	COUPLING HALF: 1-1/2" BORE FLEX* (INCLUDES:)	1
	P108554	SET SCREW: 7/16-14 X 1/2"	1
6*	P272990	COUPLING INSERT: 90 DURO SPIDER*	1
7*	P272930	COUPLING HALF: 1" BORE FLEX* (INCLUDES:)	1
	P108557	SET SCREW: 7/16-14 X 3/4"	1
8	003457	MOTOR ASSEMBLY, OSCILLATOR (1017) (INCLUDES: 9 & 10)	1
9	P356000	BASE BLOCK: C/L 123-1008	1
10	P351100	MOTOR: C/L #101-1017 (INCLUDES:)	1
	P307300	KEY: WOODRUFF 1/4 X 1 NO. 15	1

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



FLIGHT SYSTEM

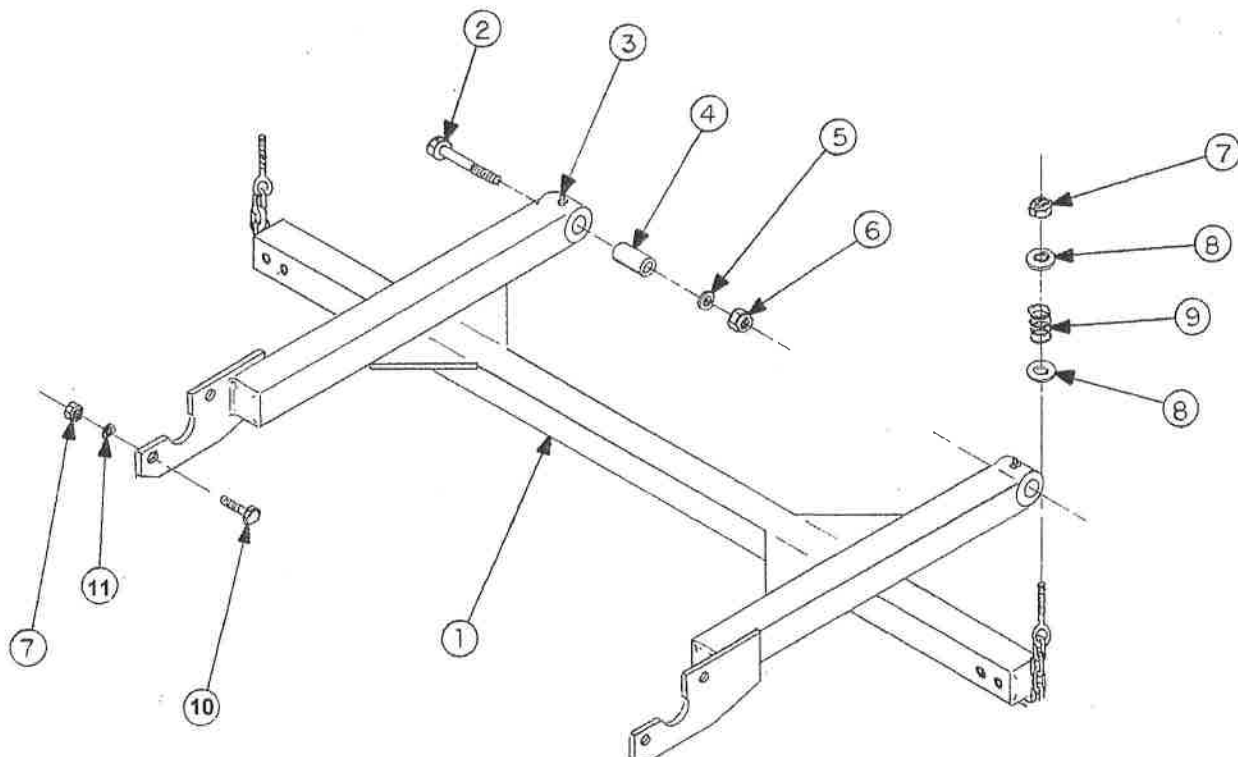
REF NO.	PART NO.	DESCRIPTION	QTY
1	P632800	CHAIN: #620 CONVEYOR 26CLT * SEE NOTE BELOW (REPAIR PARTS:)	3
	P630403	OFFSET LINK: #620	
	004584	CHAIN LINK, ATTACHMENT ASSEMBLY 5000 (INCLUDES:)	
	P630400	CONNECTING LINK: #620 ATTACH	1
	P630401	CONNECTING LINK: #620	2
2	P100605	BOLT: 3/8-16 NC X 1-1/4"	78
3	P100604	BOLT: 3/8-16 NC X 1"	52
4	P851106	WASHER: LOCK 3/8"	130
5	P155450	NUT: 3/8" TOP-LOCK	130
6	000053M	FLIGHT MOUNTING ANGLE	26
7	000052M	FLIGHT BLADE: 2-1/4"	26
8	000271M	WEAR STRIP: CONVEYOR	6
9	P103810	BOLT: FLAT HEAD 5/16" X 1"	12
10	P851105	WASHER: LOCK 5/16"	12
11	P150500	HEX NUT: 5/16" PLATED	12



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

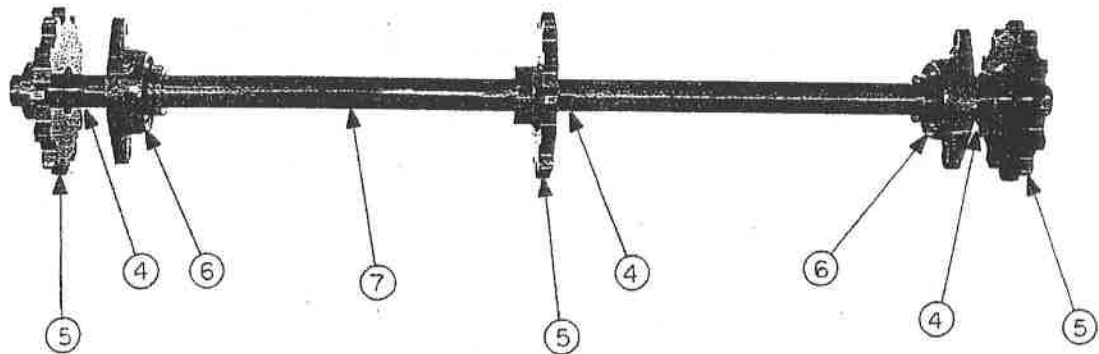
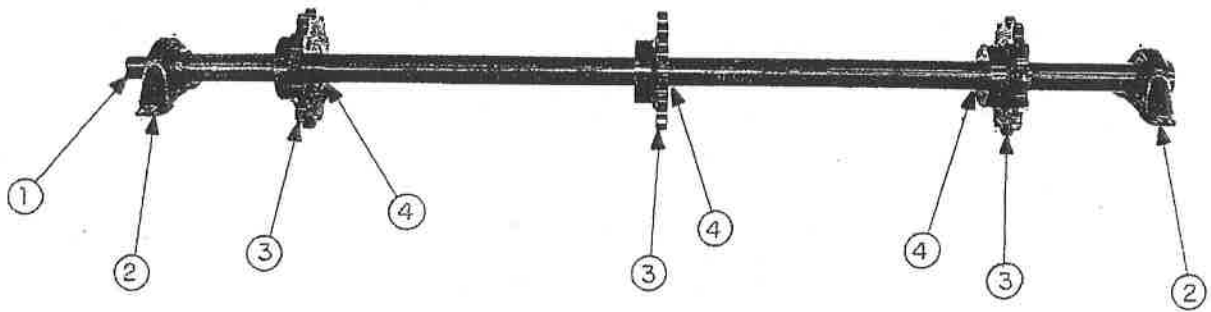
CONVEYOR SUPPORT ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	003046	CONVEYOR SUPPORT	1
2	P101016	BOLT: 5/8-11 NC X 4" GRD 8	2
3	P620500	GREASE FITTING: 1/8" STRAIGHT	2
4	000026M	SPACER, STABILIZER (2-1/16")	2
5	P851110	WASHER: LOCK 5/8"	2
6	P157500	NUT: 5/8-11 TOP-LOCK	2
7	P155850	NUT: 1/2" TOP-LOCK	6
8	P850108	WASHER: FLAT ZINC 1/2"	4
9	002122	SPRING, FRONT CONVEYOR SUPPORT	2
10	P100807	HEX BOLT: 1/2" X 1-3/4"	4
11	P851108	WASHER: LOCK 1/2"	4



CONVEYOR SHAFT ASSEMBLY: FRONT & REAR

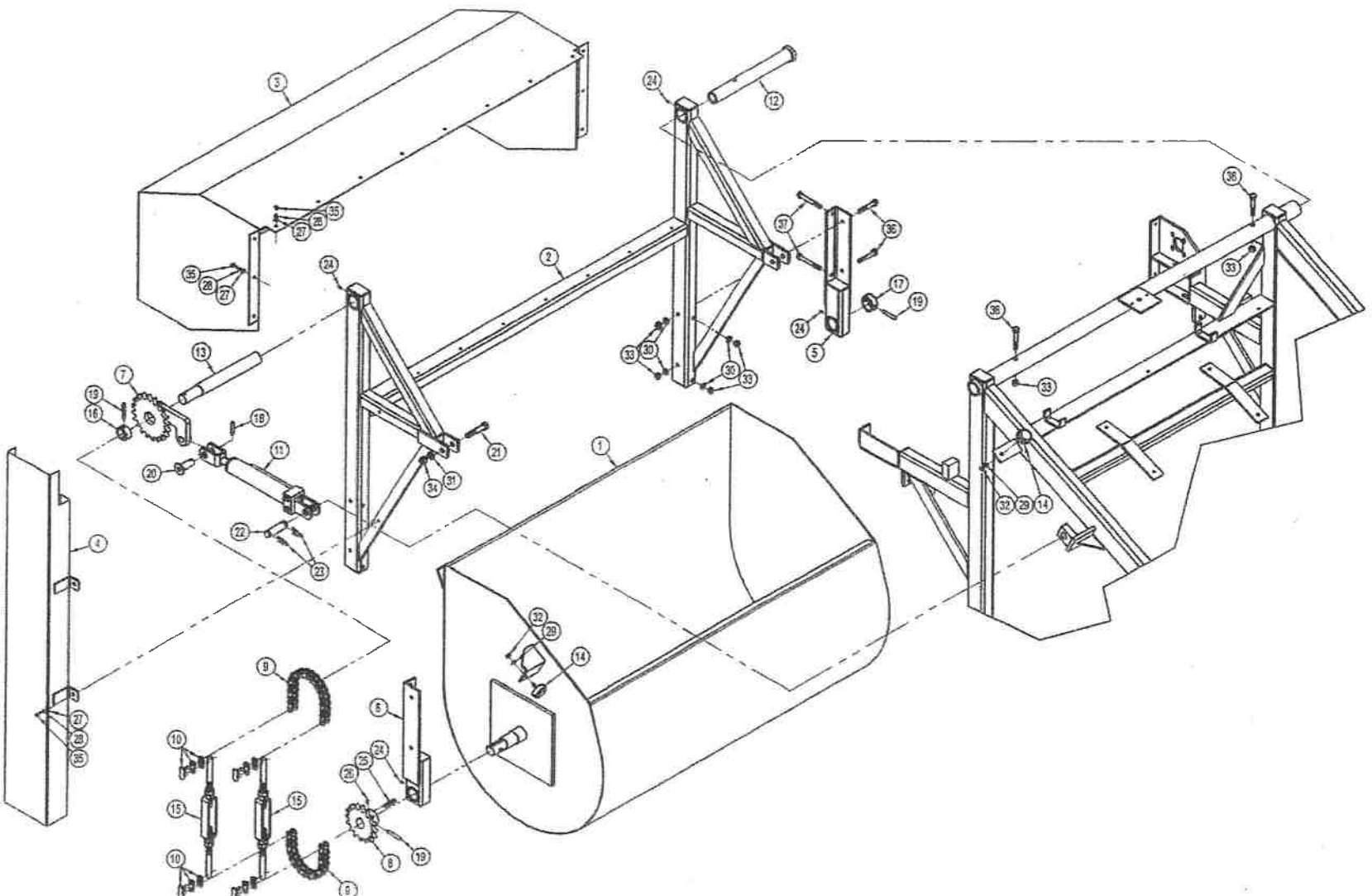
REF NO.	PART NO.	DESCRIPTION	QTY
1	000454M	SHAFT, REAR CONVEYOR (1-3/4")	1
2	P015100	BEARING: FAF 1-7/16" PB	2
3	000324W	SPROCKET, 620 12T 1-3/4" B	3
4	000328M	KEY, CONVEYOR SHAFT	3
	000454A	SHAFT, ASSEMBLY, REAR CONVEYOR (INCLUDES: 1 THRU 4)	1
5	000257W	SPROCKET, 620 12T 1-7/16" B	3
6	P015110	BEARING: FAF TCJT 1-7/16"	2
7	000272M	SHAFT, FRONT CONVEYOR	1
	000272A	SHAFT ASSEMBLY, FRONT CONVEYOR (INCLUDES: 4 THRU 7)	1



HOPPER AND ROLLOVER COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	003677	HOPPER WELDMENT, BC	1
2	003022	BOOM WELDMENT	1
3	000124W	HOOD WELDMENT	1
4	002279	GUARD, R/O CHAIN	1
5	003018	BOOM ARM WELDMENT, LH DETACHABLE	1
6	003019	BOOM ARM WELDMENT, RH DETACHABLE	1
7	003032	CRANK, HOPPER	1
8	000267W	SPROCKET, HOPPER-DRIVEN 16T	1
9	005095	CHAIN, HOPPER ROLLOVER (INCLUDES ITEM 10)	2
10	000284P	CHAIN LINK, #80 CONNECTOR	4
11	P259330	CYLINDER, 2B X 8S W/CAV	1
	P294250	VALVE, PILOT CHECK CARTRIDGE	
	P259306	SEAL KIT, RKT2-0096	
12	000243W	BOOM SWIVEL WELDMENT, LH	1
13	000292M	BOOM SWIVEL, RH	1
14	000358M	STOP, RUBBER	2
15	000268A	TURN BUCKLE ASSEMBLY	2
16	00274M	COLLAR, RETAINING, HOPPER CRANK	1
17	000365M	COLLAR, RETAINING, HOPPER	1
18	P122608	3/8" X 2" ROLL PIN	1
19	P122610	3/8" X 2-1/2" ROLL PIN	3
20	000550W	PIN, ROLLOVER CYLINDER	1
21	000366M	PIN, CLEVIS (5/8 BOLT)	2
22	P120850	PIN, CLEVIS 1"	1
23	P118010	CLIP, CLEVIS PIN	2
24	P620505	ZERK, 1/8" NPT, 5003, 1-1/4" OAL	4
25	000069M	KEY, HOPPER SPROCKET	1
26	P108604	SET SCREW, 3/8-16 NC X 1/4"	1
27	P850104	WASHER, FLAT, 1/4"	20
28	P851104	WASHER, LOCK, 1/4"	20
29	P851106	WASHER, LOCK, 3/8"	2
30	P851108	WASHER, LOCK, 1/2"	8
31	P851110	WASHER, LOCK, 5/8"	2
32	P155450	NUT, TOP LOCK, 3/8"	2
33	P155850	NUT, TOP LOCK, 1/2"	10
34	P157500	NUT, TOP LOCK, 5/8"	2
35	P100403	BOLT, HEX, 1/4-20 NC X 3/4"	20
36	P100812	BOLT, HEX, 1/2-13 NC X 3"	6
37	P100816	BOLT, HEX, 1/2-13 NC X 4"	4

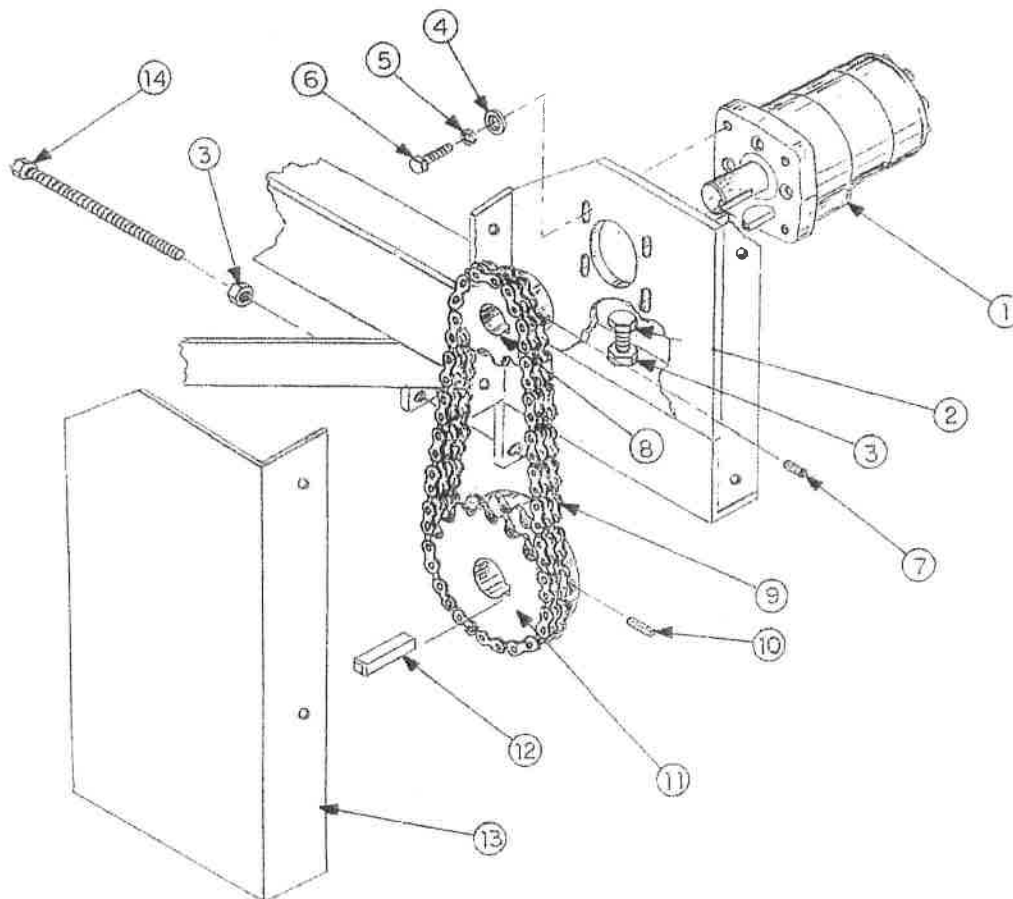
HOPPER AND ROLLOVER COMPONENTS



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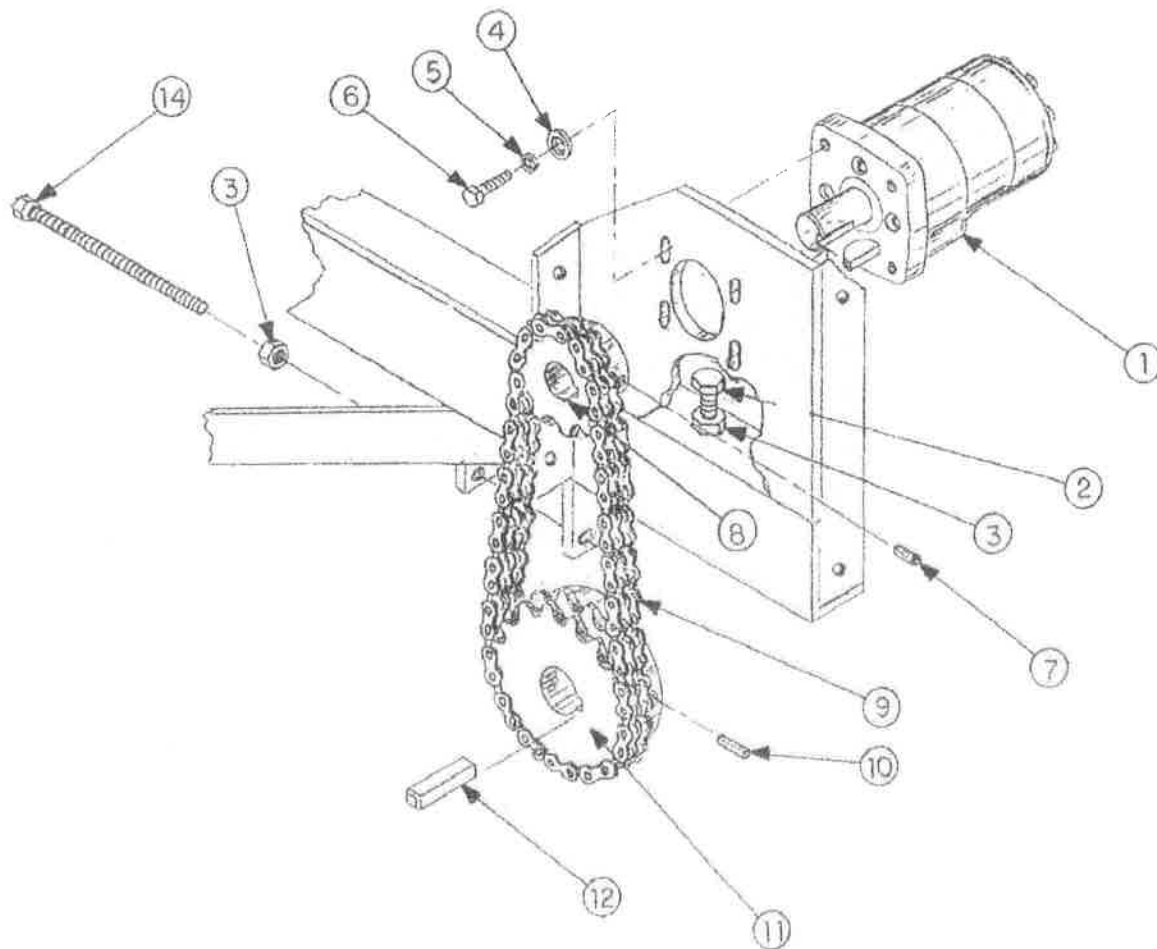
CONVEYOR DRIVE MECHANISM

REF NO.	PART NO.	DESCRIPTION	QTY
1	P352400	MOTOR, C/L 101-1751 7.3 CID (INCLUDES:)	1
	P307300	KEY: WOODRUFF 1/4" X 1 NO. 15	1
2	P100808	HEX BOLT: 1/2" X 2"	1
3	P150800	HEX NUT 1/2" PLATED	3
4	P850106	WASHER: FLAT ZINC 3/8"	4
5	P851106	WASHER: LOCK 3/8"	4
6	P100604	BOLT: 3/8-16 NC X 1"	4
7	P108606	SET SCREW: 3/8" NC X 3/8"	1
8	P652101	SPROCKET: D50B13HT 1" BORE	1
9	002175	CHAIN, #50 DOUBLE (INCLUDES:)	1
	P630203	CONNECTING LINK : #50-2	1
10	P108612	SET SCREW: 3/8-16 NC X 3/4"	1
11	P652230	SPROCKET: D50B23HT 1-7/16" BORE	1
12	000534M	KEY, CONVEYOR SPROCKET – DRIVEN	1
13	005187	GUARD, CONVEYOR MOTOR CHAIN	1
14	000374W	BOLT, REAR SHAFT ADJUSTMENT	2



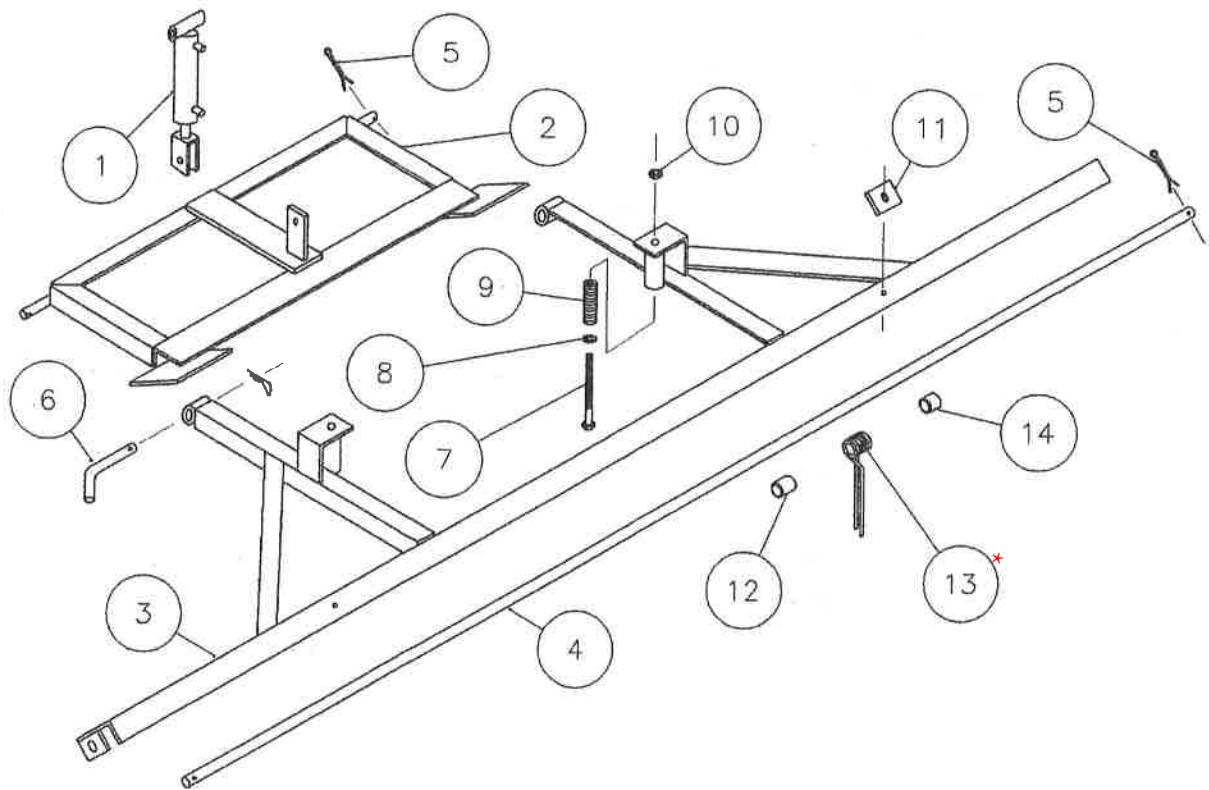
CONVEYOR DRIVE MECHANISM

REF NO.	PART NO.	DESCRIPTION	QTY
1	P352400	MOTOR, C/L 101-1751 7.3 CID (INCLUDES:)	1
	P307300	KEY: WOODRUFF 1/4" X 1 NO. 15	1
2	P100808	HEX BOLT: 1/2" X 2"	1
3	P150800	HEX NUT 1/2" PLATED	3
4	P850106	WASHER: FLAT ZINC 3/8"	4
5	P851106	WASHER: LOCK 3/8"	4
6	P100604	BOLT: 3/8-16 NC X 1"	4
7	P108606	SET SCREW: 3/8" NC X 3/8"	1
8	P652101	SPROCKET: D50B13HT 1" BORE	1
9	002175	CHAIN, #50 DOUBLE (INCLUDES:)	1
	P630203	CONNECTING LINK : #50-2	1
10	P108612	SET SCREW: 3/8-16 NC X 3/4"	1
11	P652230	SPROCKET: D50B23HT 1-7/16" BORE	1
12	000534M	KEY, CONVEYOR SPROCKET – DRIVEN	1
14	000374W	BOLT, REAR SHAFT ADJUSTMENT	2



GROOMER ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	P259150	CYLINDER, GROOMER	1
	P259151	SEAL KIT: RKT 1.5-0047	1
2	004864	LIFT BRACKET, GROOMER	1
3	004862	GROOMER BAR	1
4	004229	PIPE, SPRING MOUNT	1
5	P116308	COTTER PIN: 3/16" X 2"	4
6	P121200	BENT HITCH PIN: 3/4" X 3-1/2"	2
7	P100822	BOLT: 1/2-13 X 5-1/2"	2
8	P850108	WASHER: FLAT ZINC 1/2"	2
9	P605700	SPRING: DIE 5"	2
10	P155850	NUT: 1/2" TOP-LOCK	2
11	004883	WEAR PAD, GROOMER	2
12	004262	SPACER, GROOMER 1"	33
13*	004243	SPRING SEE NOTE BELOW	36
14	004263	SPACER, GROOMER 3/4"	2



*NOTE: 004243 IS UNAVAILABLE / OBSOLETE
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:

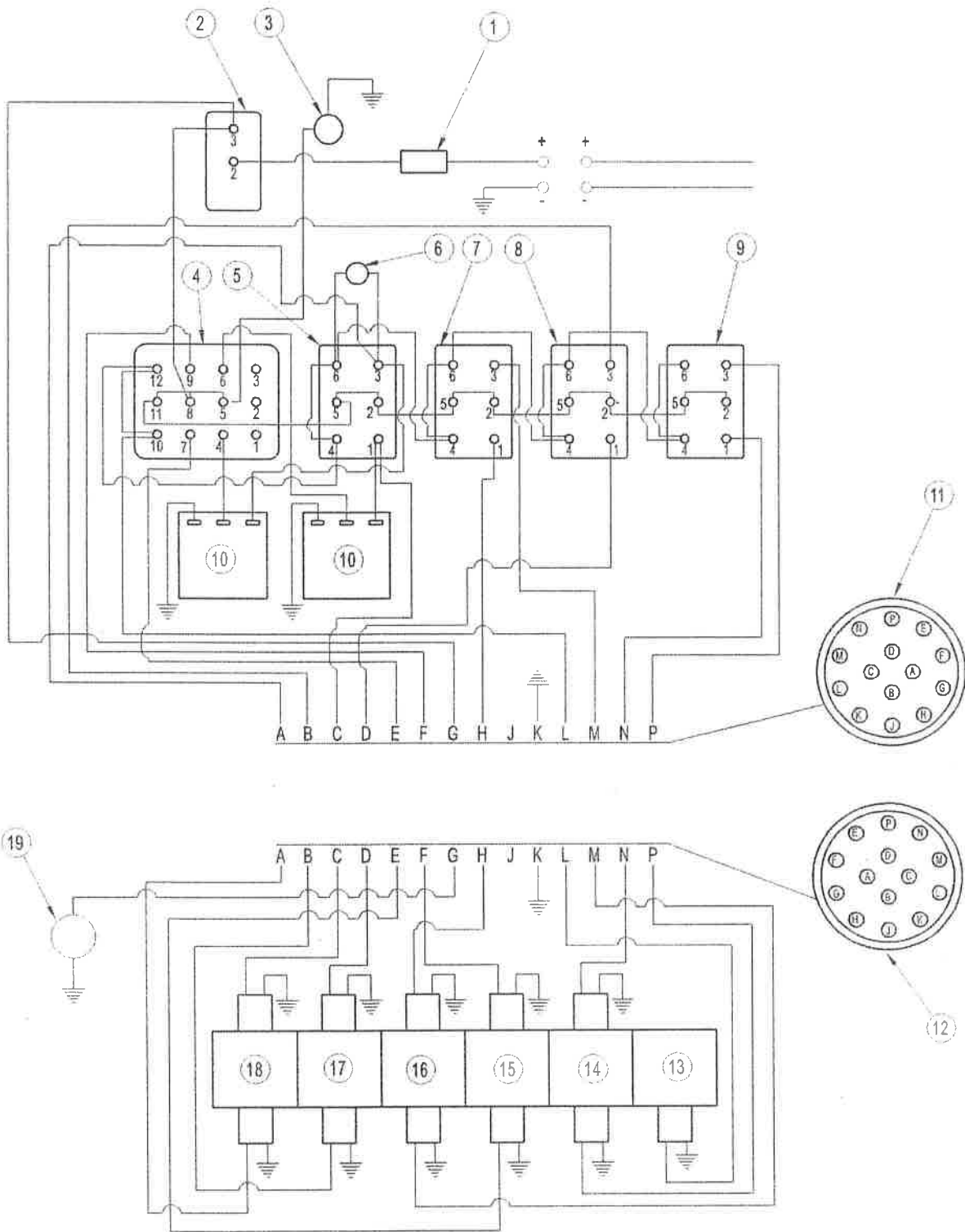
ABOVE LISTED ITEMS CONVERT AN EXISTING STEEL SPRING TINE GROOMER TO MODERN RUBBER COMBS
GROOMER WILL BE UPDATED WITH 3 INDIVIDUAL RETROFITABLE SECTIONS:

LEFT

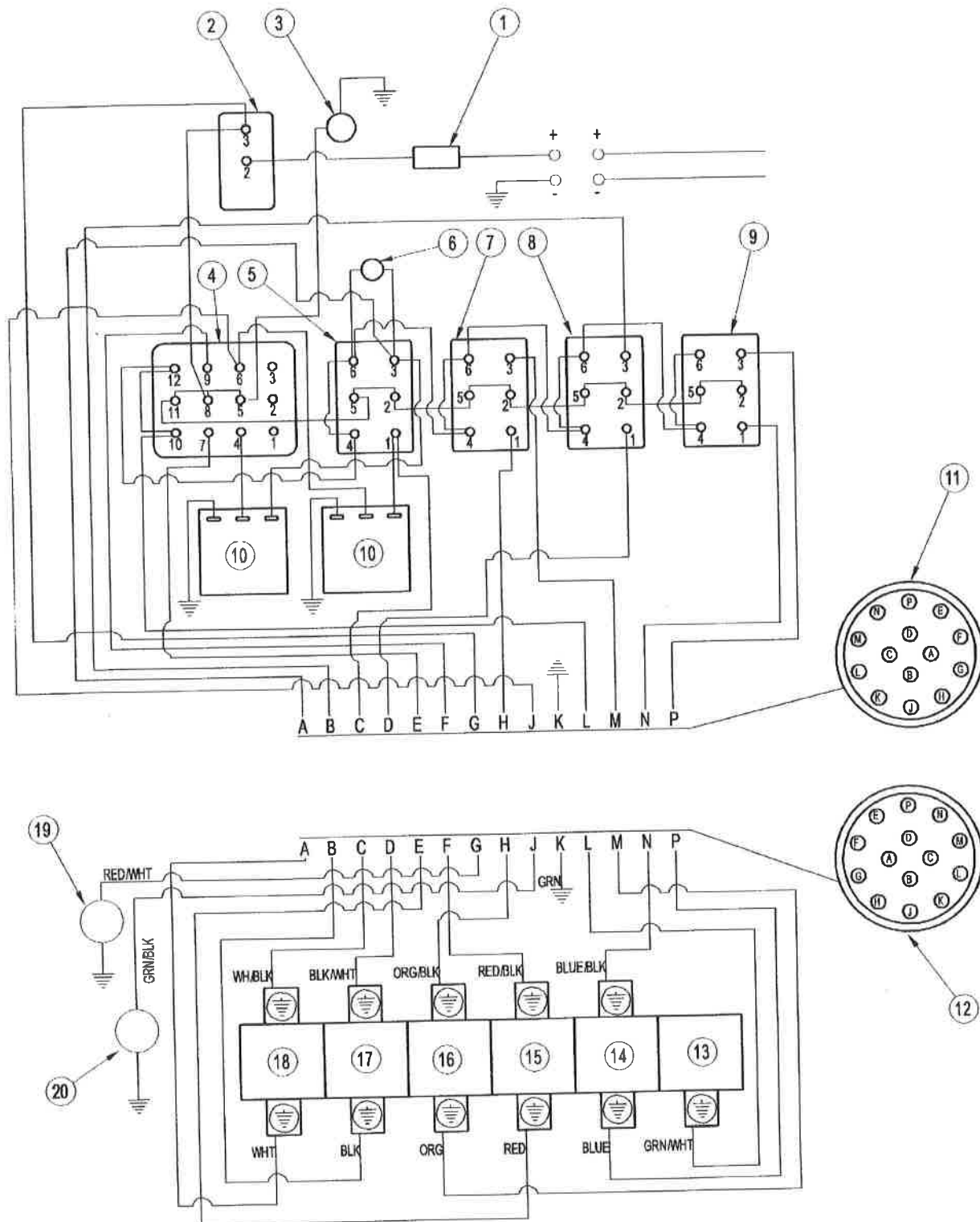
CENTER

RIGHT

ELECTRICAL DIAGRAM



ELECTRICAL DIAGRAM



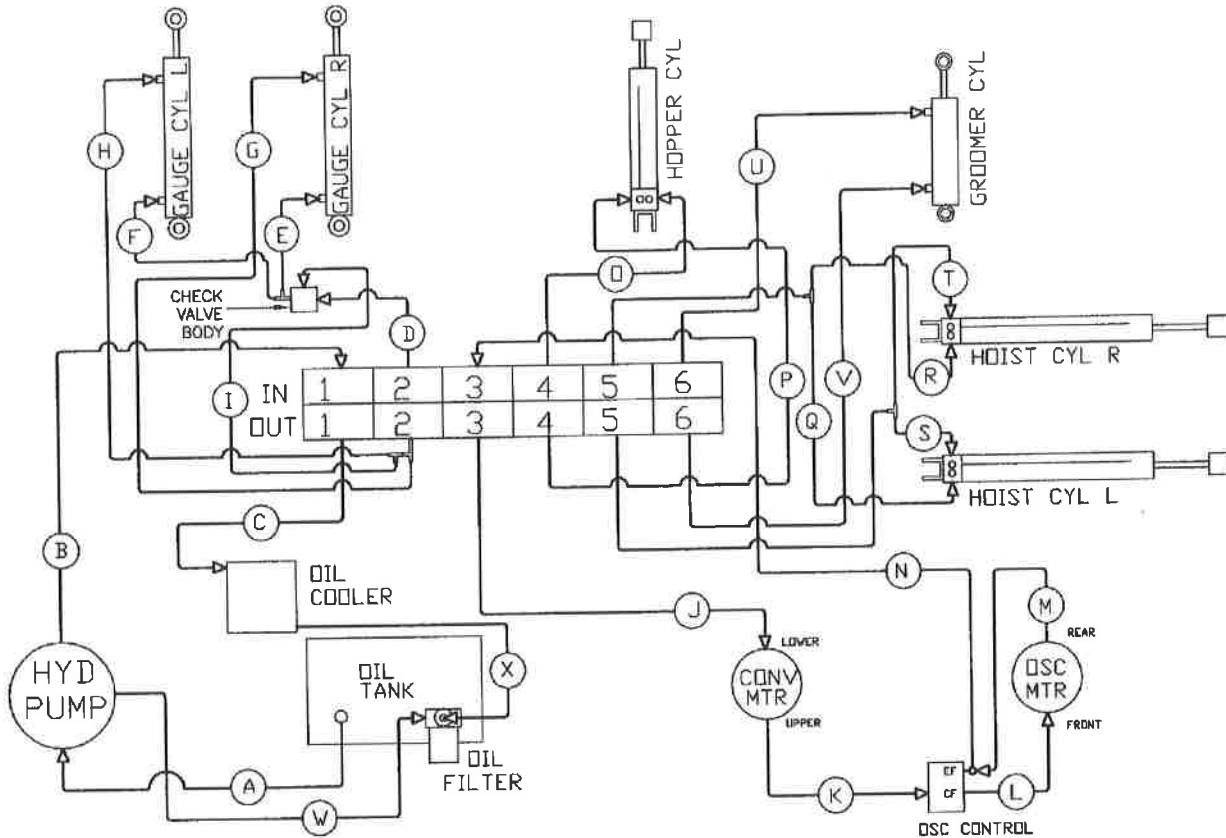
ELECTRICAL DIAGRAM

COMPONENT	DESCRIPTION
1	FUSE, 25 AMP
2	MASTER SWITCH
3	POWER INDICATOR LIGHT
4	CONVEYOR SWITCH
5	GROOMER SWITCH
6	DIODE
7	HOPPER SWITCH
8	HOIST SWITCH
9	GAUGE WHEEL SWITCH
10	TIMER RELAY
11	CONNECTOR SOCKET
12	CABLE PLUG
13	IN/OUT VALVE
14	GAUGE WHEEL VALVE
15	CONVEYOR VALVE
16	HOPPER VALVE
17	HOIST VALVE
18	GROOMER VALVE
19	BEACON
20	OIL COOLER FAN

WIRE/CONNECTOR COLOR CODING

A	WHITE
B	BLACK
C	WHITE-BLACK STRIPE
D	BLACK-WHITE STRIPE
E	RED
F	RED-BLACK STRIPE
G	RED-WHITE STRIPE
H	ORANGE-BLACK STRIPE
J	GREEN-BLACK STRIPE
K	GREEN
L	GREEN-WHITE STRIPE
M	ORANGE
N	BLUE-BLACK STRIPE
P	BLUE

HYDRAULIC LEGEND



- A. 20MJ-20MP, HOSE P289086, 20MJ-20MB
- B. 8MJ-12MB, HOSE P284168, 8MJ-10MB
- C. 8MJ-10MB, HOSE P284094, 10MJ-16MB 90
- D. 6MJ-8MB, HOSE P283032, 6MJ-6MB
- E. 6MJ-6MB-6MJ, HOSE P283042, 6MJ-8MB 90
- F. HOSE P283039, 6MJ-8MB 90
- G. 6MJ-8MB, 6MJ-6FJX-6MJ, HOSE P283057, 6MJ-8MB 90
- H. 6MJ-6FJX-6MJ, HOSE P283054, 6MJ-8MB 90
- I. HOSE P282023, 4MJ-6MB 90
- J. 8MJ-8MB, HOSE P284121, 8MJ-10MB 45
- K. 8MJ-10MB 45, HOSE P284204, 8MJ-12MB 90
- L. 8MJ-12MB, HOSE P284035, 8MJ-10MB 90
- M. 8MJ-10MB 90, HOSE P284030, 8MJ-8FJX-8MJ, 8MJ-12MB
- N. HOSE P284075, 8MJ-8MB
- O. 6MJ-8MB R.035, HOSE P283101, 6MJ-6MB 90
- P. 6MJ-8MB, HOSE P283103, 6MJ-6MB 90
- Q. 6MJ-8MB R.115, 6MJ-6FJX-6MJ, HOSE P283952, 6MJ-6MB 45
- R. HOSE P283049, 6MJ-6MB 45
- S. 6MJ-8MB 45, 6MJ-6FJX-6MJ, HOSE P283449, 6MJ-6MB 45
- T. HOSE P283452, 6MJ-6MB 45
- U. 4MJ-8MB, HOSE P282137, 4MJ-4MP 90
- V. 6MJ-8MB R.035, HOSE P282132, 4MJ-4MP 90
- W. 4MJ-6MB90, HOSE P282119, 4MJ-2MP
- X. 10MJ-16MB, HOSE P284022, 12MJ-20MB, FILTER, 20MB-20FP

PTO PUMP

PLANETARY GEARBOX DRIVE / HYDRAULIC GEAR PUMP

- 1) 71.P556600 COMPLETE PUMP ASSEMBLY (PLANETARY GEARBOX / HYDRAULIC GEAR PUMP FULLY ASSEMBLED)
- 2) 71.P556610 HYDRAULIC GEAR PUMP (GEAR PUMP SECTION ONLY)
- 3) 71.P556611 HYDRAULIC GEAR PUMP SEAL KIT
- 4) 71.V16253-34 PTO / PLANETARY GEARBOX INPUT SHAFT SEAL
- 5) 71.V160.15 O RING

