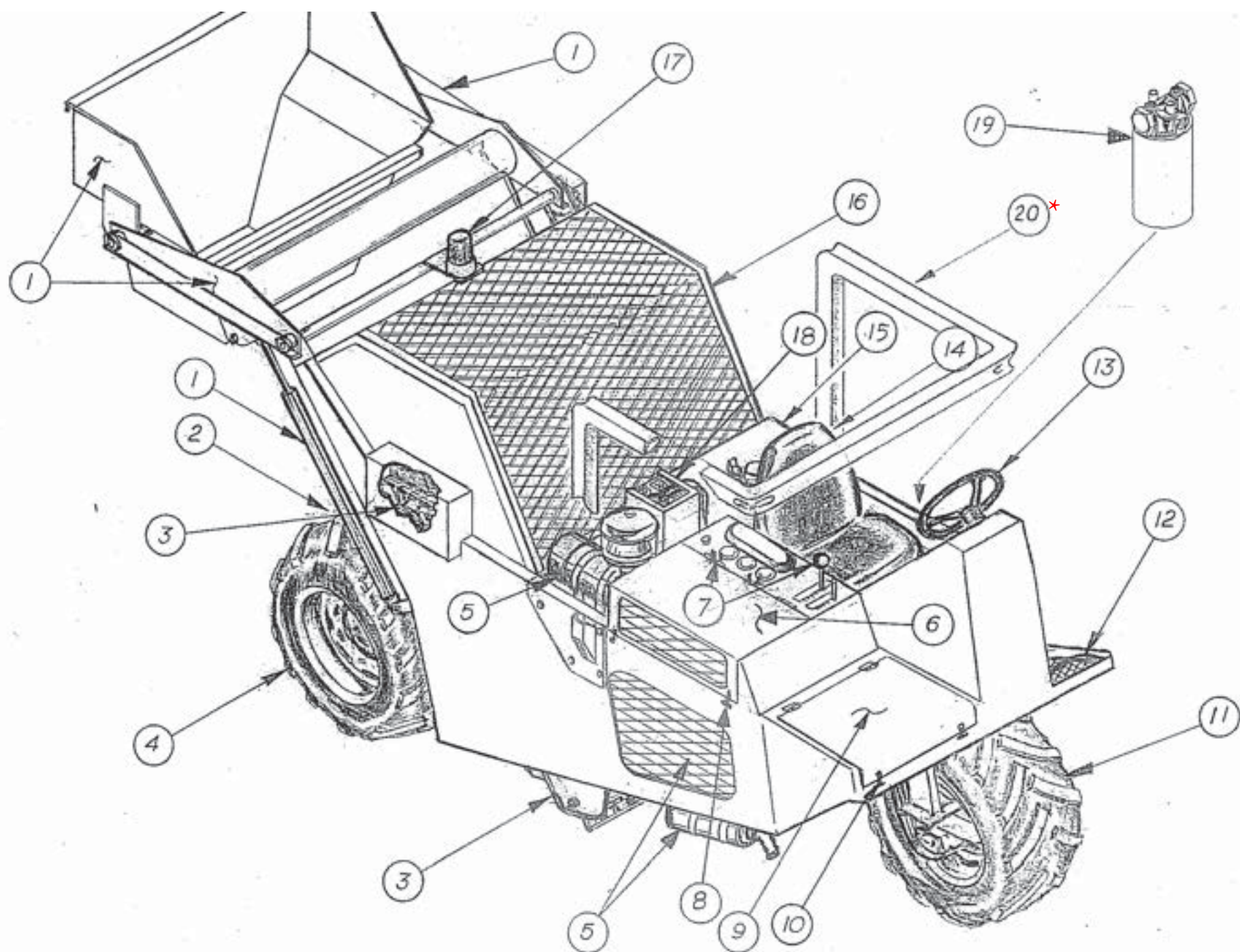




Cherrington Beachcleaner/Sandsifter
Model 3000

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

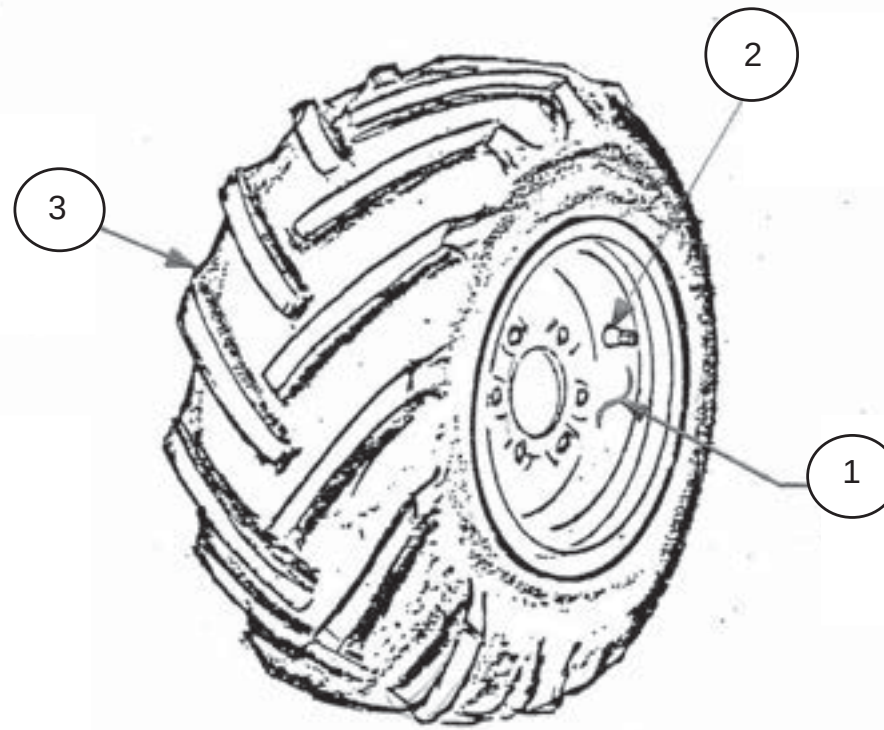
Parts Book



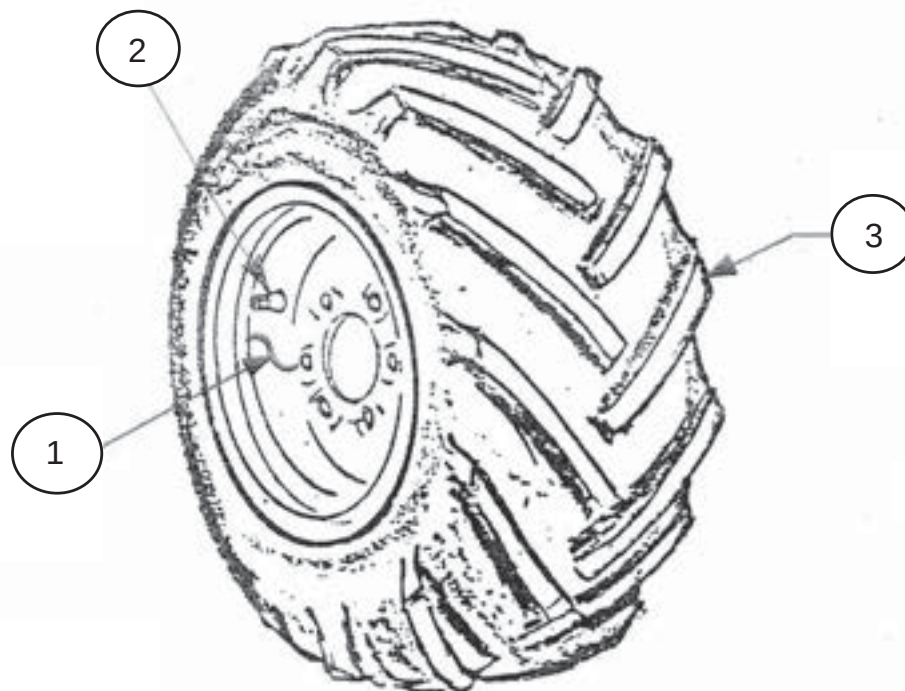
OVERALL VIEW - 3000

REF NO.	PART NO.	DESCRIPTION	QTY
1	PAGE D	HOPPER SYSTEM	
2	005093	TANK, HYD ASSY, 3000	1
	000176P	GAUGE, OIL SIGHT	1
3	PAGE C	SCREEN COMPONENTS	
4	004298P	MOTOR, WHL-HB 18	2/MACH
	002646	WHEEL ASSY-LH (used right side)	1
	002959	WHEEL ASSY-RH (used left side)	2
		<u>Each Wheel Assy Includes:</u>	
	002334P	TIRE, STG (29 X 12.5-15 NHS)	1
	002647	RIM (10 X 15)	1
		<u>See Also: Steering Page E</u>	
5	PAGE B	ENGINE/PUMP COMPONENTS	
6	004636	SHIELD, ENG. COVER	1
7	PAGE F	OPERATOR CONTROLS	
8	003384	LATCH, FLEX-DRAW (Style R)	2
9	002713	GUARD, STEERING COMPARTMENT	1
10	002814	LATCH, FLEX, DRAW (Style F)	2
11	PAGE E	STEERING COMPONENTS	
12	PAGE F	OPERATOR CONTROLS	
13	000110P	STEERING WHEEL	1
	000111P	NUT, STEERING WHEEL	1
	000108P	STEERING COLUMN	1
	002407P	MTR, STEERING (1034)	1
14	002375P	SEAT, K & M UNI CUB	1
15	PAGE G	FUEL SYSTEM	
16	003372	GUARD, CONVEYOR/OSC	1
17	002392P	LIGHT, STROBE	1
18	003086	BRKT, AIR CLNR/BATT BOX	1
	003382	COVER, BATT BOX (Not Shown)	1
	003096	PAD, BATT	1
	003094P	BATTERY (Exide #26-MX-40)	1
	002463P	BATTERY CABLE, 4 GA 08"	1
	003090P	BATTERY CABLE, 1 GA 31"	1
	000097P	BATTERY CABLE, 1 GA 48"	1
19	003686P	FILTER, HYD, O-RING HD FA3	1
	003176P	INDICATOR, HYD FILTER RESTRICTION	1
	002657P	FILTER, HYD, ELEMENT F4E-040	1
20 *	003684	ROLL BAR ASSY, ROPS	1

* 71.300015 OPTIONAL ROPS SUN SHADE CANOPY

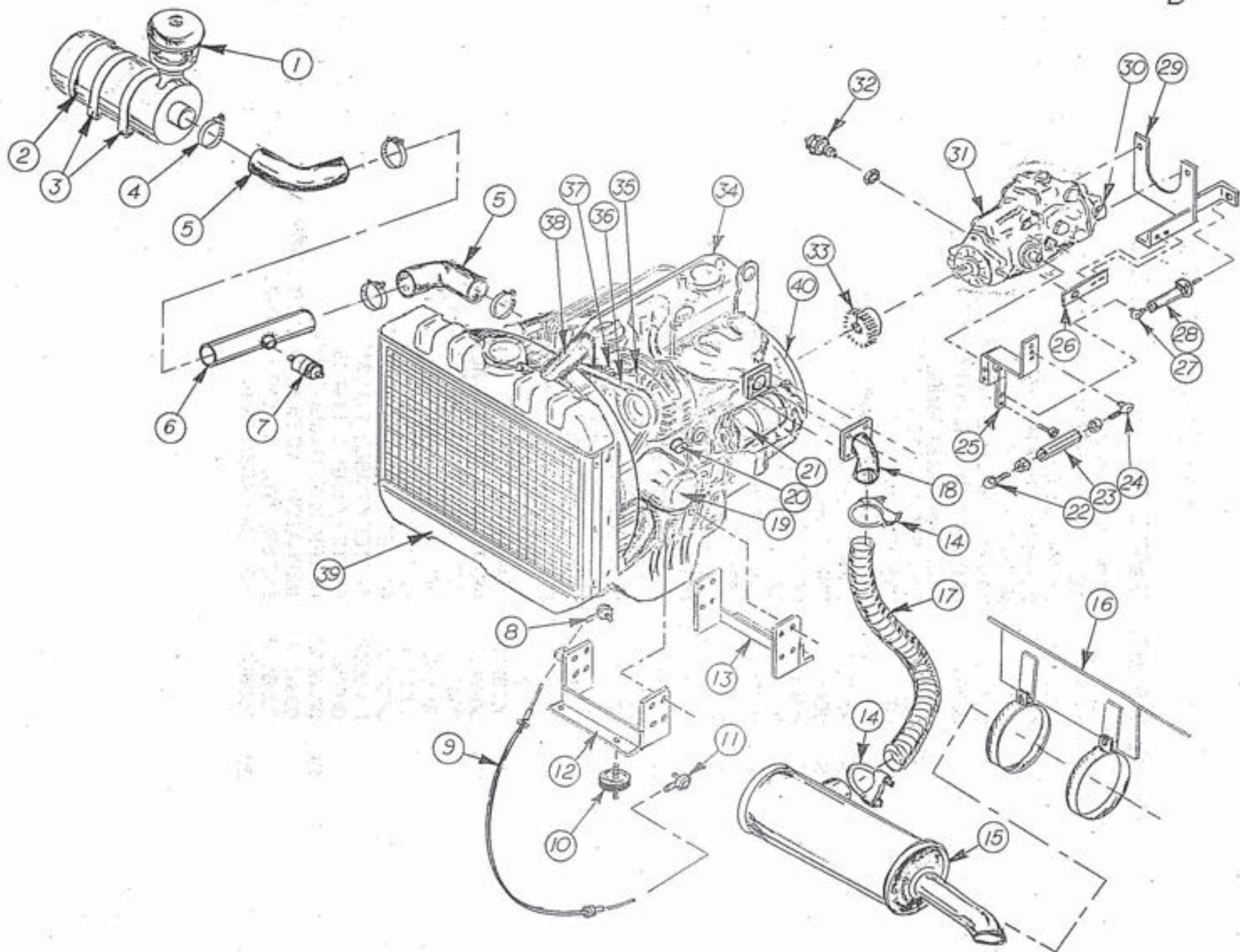


ITEM	PART NUMBER	DESCRIPTION	002646 WHEEL ASSY: RIGHT REAR		REV.
1	71.P750700	RIM: PIONEER #106809			
2	71.P763001	TUBE: INNER 3000	SCALE:	APPROVED BY:	DRAWN BY
3	71.P763000	TIRE: 29 X 12.5 - 15 NHS 8PR	DATE:		REVISED
			CHERRINGTON CORPORATION		
					DRAWING NUMBER



ITEM	PART NUMBER	DESCRIPTION	002959 WHEEL ASSEMBLY: LEFT REAR / FRONT		REV.
1	P750700	RIM: PIONEER #106809			
2	P763001	TUBE: INNER 3000	SCALE:	APPROVED BY:	DRAWN BY
3	P763000	TIRE: 29 X 12.5 - 15 NHS 8 PR	DATE:		REVISED
			CHERRINGTON CORPORATION		
					DRAWING NUMBER

B



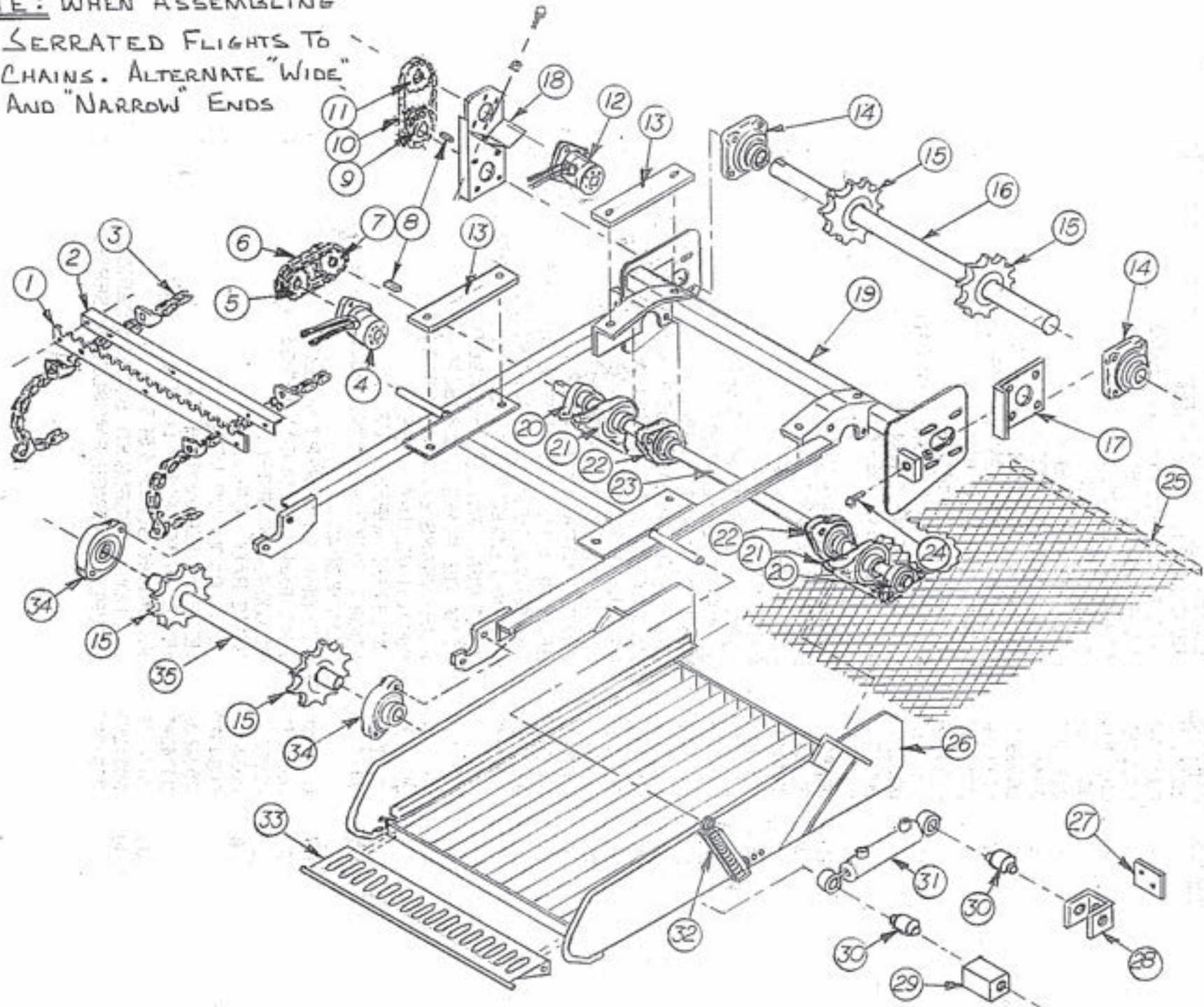
ENGINE/PUMP COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	003130P	PRE-CLEANER, DON #H002042	1
2	002377P	AIR CLEANER ASSY (Includes 002921P)	1
	002921P	FILTER, AIR, ELMT SD	1
3	002849P	MTG. BAND, AIR CLEANER	2
4	002075P	CLAMP, HOSE, SIZE 28	4
5	003345P	HOSE, AIR INTAKE ELBOW	2
6	003344	TUBE, AIR INTAKE WELD	1
7	000354P	INDICATOR, A/C SERVICE, 20"	1
8	003335P	BALL JOINT, 10-32 FEMALE-5/16 MALE	1
9	003334P	CABLE, PUSH-PULL 60"	1
10	002847P	MT, RUBBER, 3/8-16 NC	4
11	002811P	BALL JOINT, 10-32 FEMALE-1/4 MALE	1
12	003226	MOUNT, ENGINE, FRONT	1
13	003223	MOUNT, ENGINE, REAR	1
14	002895P	U-CLAMP, 1-5/8	2
15	002892	MUFFLER W/TAILOUT	1
16	002885	BRACKET, MUFFLER	1
17*	002889	FLEX TUBE, 1-1/2 X 24 UPDATED P/N: 71.P279110	1
18	003359	EXHAUST ADAPTER	1
19	003375P	FILTER, ENG OIL SUPER 5 SERIES	1
20	000095P	SENDER, ENG OIL PRESSURE	1
21	003398P	STARTER, SUPER 5 SERIES	1
22	000201P	BALL JOINT, MALE W/STUD 3/8-24LH	1
23	003326	LINKAGE ROD, TRANSMISSION	1
24	000202P	BALL JOINT, MALE W/STUD 3/8-24RH	1
25	003356	LEVER, TRANS. CONTROL SHAFT	1
26	003352	BRKT, NEUTRAL SAFETY SWITCH	1
27	000688P	BALL JOINT, FEMALE W/STUD 5/16-24RH	1
28	003706P	CENTERING DEVICE, TRANSMISSION	1
	003707P	BUSHING, CD MTG ADAPTER (NOT INCLUDED)	1
29	004537	BRKT, CENTERING DEVICE/NEUTRAL SAFETY	1
30	004302P	PUMP, GEAR, PNB11+2.6DSC36	1
31	004303P	PUMP, TRANS, EA/C#70144-RCM	1
32	000092P	SWITCH, NEUTRAL SAFETY	1
33	003399P	CPLG HUB, SUPER 5 SERIES	1
34	003376P	ENGINE, KUBOTA D1005B (INCLUDES 19,21,33,35, 36,38,39,40)	1
35	003400P	ALTERNATOR, SUPER 5 SERIES	1
36	003401P	BELT, FAN/ALT, SUPER 5 SERIES	1
37	000096P	SENDER, WATER TEMP.	1
38	003402P	HOSE, RADIATOR, UPPER	1
	003403P	HOSE, RADIATOR, LOWER	1
	003463P	HOSE, WATER PUMP, UPPER	1
	003464P	HOSE, WATER PUMP, LOWER	1
39	003404P	RADIATOR, SUPER 5 SERIES	1
40	003405P	F/W HOUSINT/CPLG KIT, SUPER 5 SERIES	1
	003406P	COUPLING FLANGE, F/W, SUPER 5 SERIES	1

*NOT SHOWN 71.P115848 CABLE: PUSH / PULL 48" TRANSMISSION SHIFT

NOTE: WHEN ASSEMBLING

SERRATED FLIGHTS TO
CHAINS. ALTERNATE "WIDE"
AND "NARROW" ENDS



SCREEN SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1	003669	FLIGHT BLADE 34" STEEL	14
2	002593	FLIGHT MTG. ANGLE, 34"	14
3	003266	CHAIN, #620 CONV 14 CLEAT	2
4	003305P	MOTOR, 101-1009	1
5 *	003297	SPROCKET, D5030 X 1" BORE UPDATED P/N: 71.P652300	1
6	003298	CHAIN, #50-2 OSC.	1
7 *	003294	SPROCKET, D50B18 1-7/16 BORE UPDATED P/N: 71.P652181	1
8	002845	KEY, 3/8 X 1.875	2
9 *	004640P	SPROCKET, 50 21T 1-7/16 BORE UPDATED P/N: 71.P652021	1
10	003299	CHAIN, #50 CONVEYOR DRIVE	1
11 *	004639P	SPROCKET, 50 24T 1 BORE UPDATED P/N: 71.P652024	1
12	003303P	MOTOR, 101-1014	1
13	000271M	WEAR STRIP, CONVEYOR	4
14	002386P	BEARING, 4 BOLT FLANGE MSF-23	2
15	000257W	SPROCKET, 620 12T 1-7/16 BORE	2
16	003268	SHAFT, REAR CONVEYOR	1
	003267	SHAFT ASSY, REAR CONVEYOR (Includes 14, 15, 16, & (2) 000328M, KEY, CONV. SHAFT)	1
17	003281	BRKT, BEARING, CONVEYOR ADJ.	1
18	003271	BRKT, CONVEYOR MOTOR	1
19	003591	CONVEYOR SUPPORT, SD	1
20	003283	BEARING 1-7/16 TAK MILLED	2
21	003285	BEARING, NP-32R3C MILLED	2
22	003282P	BEARING, SM SFT-32R3C	2
23	003393	SHAFT ASSY, OSC SUB	1
	003394	SHAFT ASSY, OSC (Includes 20,21,22,&23)	1
24	004306P	BOLT, TAP, 1/2-13 NC X 2-1/2	2
25	003680	SCREEN, 1/2" OPEN	1
	003814	SCREEN, 1" OPEN, SD	1
	003681	SCREEN, 5/8" OPEN	1
	004542	SCREEN, 1/2X13 EXP METAL	1
26	004346	SCREEN FRAME WELD, SD	1
27	002584	SPACER, DIGGER CYL	2
28	003103	BRKT, DIGGER CYL (Rear)	2
29	002585	BRKT, DIGGER CYL (Front)	2
30	002057P	BUSHING, RUBBER	4
31 *	003210	CYL, DIGGER, SD	2
32	003588	CONVEYOR HOLD DOWN ASSY, LH	1
	003587	CONVEYOR HOLD DOWN ASSY, RH (not shown)	1
33 *	002573	DIGGER POINT, SD	1
34	000277P	BEARING, 1-7/16" FLANGE	2
35	002564	SHAFT, FRONT CONVEYOR	1
	002565	SHAFT ASSY, FRONT CONVEYOR (Includes 15, 35, & (2) 000328M KEY, CONVEYOR SHAFT)	1

*OPTIONAL SOLID DIGGER POINT P/N 71.005363

C

*SEAL KIT 71.P259090 USED ON CYLINDER 003210

SCREEN SYSTEM

MOUNTING HARDWARE ITEMS

#13 WEAR STRIP 71.000271M (QTY. 4)

71.P103504 SOCKET HD CAP SCREW 5/16-18 X 1 (QTY. 8)
71.P150500 HEX NUT 5/16-18 GR5 (QTY. 8)
71.P851105 LOCK WASHER 5/16 (QTY. 8)

#33 DIGGER POINT / CUTTING EDGE (QTY. 1)

71.002573 SLOTTED STYLE
71.005363 SOLID STYLE (OPTIONAL)

71.P100605 HEX BOLT 3/8-16 X 1-1/4 GR. 5 (QTY. 8)
71.P851106 LOCK WASHER 3/8 (QTY. 8)
71.P150600 HEX NUT 3/8-16 GR. 5 (QTY. 8)

#1 FLIGHT BLADE 71.003669 (QTY. 14)

#2 FLIGHT ANGLE 71.002593 (QTY. 14)

** QTY. REQUIRED PER FLIGHT ASSEMBLY

71.P100604 HEX BOLT 3/8-16 X 1 GR 5 (QTY. 3)
71.P100605 HEX BOLT 3/8-16 X 1-1/4 GR 5 (QTY. 2)
71.P851106 LOCK WASHER 3/8 (QTY. 5)
71.P155450 TOP LOCK HEX NUT 3/8-16 GR. 5 (QTY. 5)

#12 CONVEYOR MOTOR MOUNTING HARDWARE:

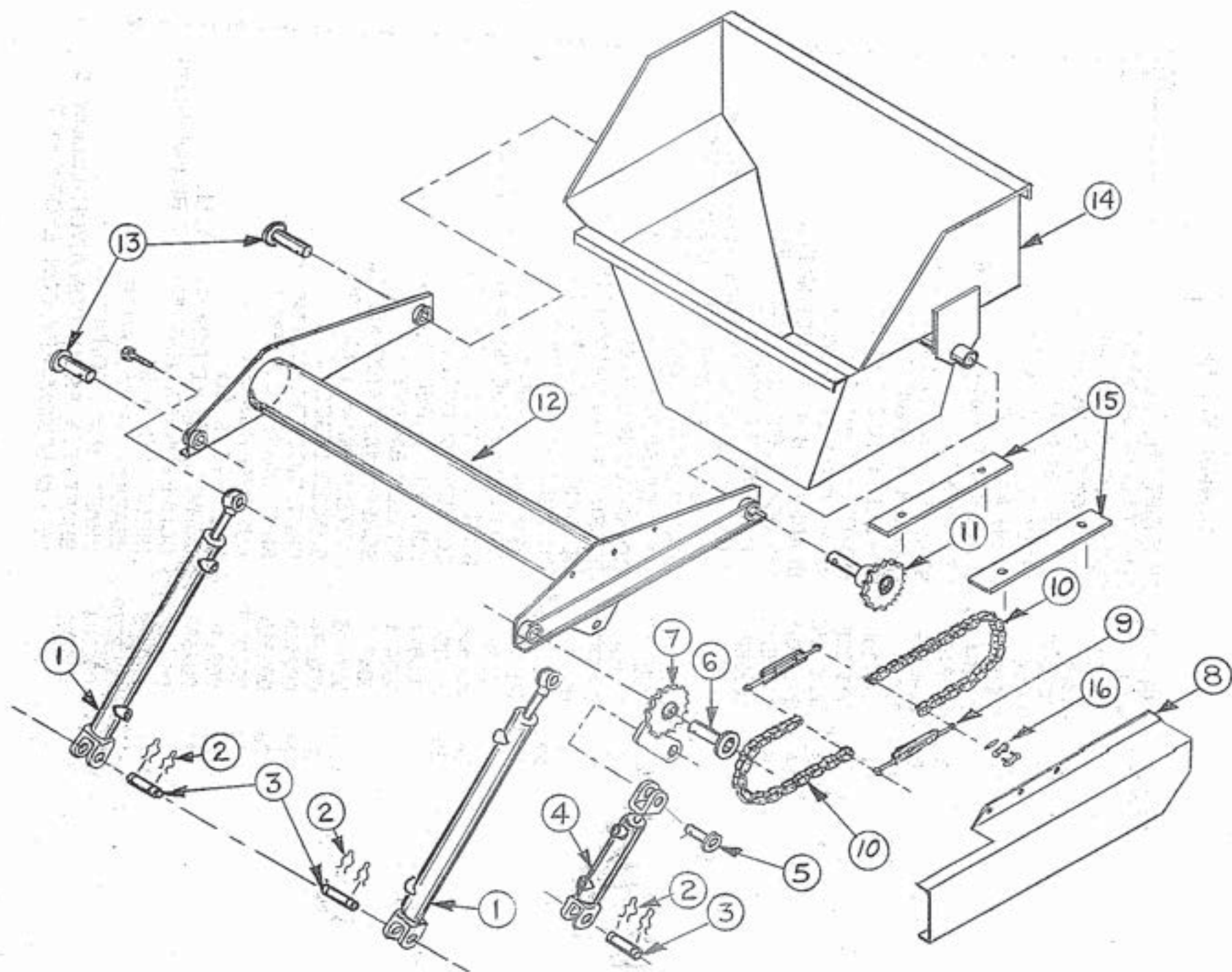
71.P100604 HEX BOLT 3/8-16 X 1 GR 5 (QTY 4)
71.P850106 FLAT WASHER 3/8 (QTY 4)
71.P851106 LOCK WASHER 3/8 (QTY 4)

#28 REAR CYLINDER MOUNT 003103

71.P100605 HEX BOLT 3/8-16 X 1-1/4 GR 5 (QTY 2 PER SIDE)
71.P851106 LOCK WASHER 3/8 (QTY 2 PER SIDE)
71.P155450 LOCK NUT 3/8-16 (QTY 2 PER SIDE)

#29 FRONT CYLINDER MOUNT 002585

71.P100818 HEX BOLT 1/2-13 X 4-1/2 GR 5 (QTY 1 PER SIDE)
71.P851108 LOCK WASHER 1/2 (QTY 1 PER SIDE)
71.P155850 LOCK NUT 1/2-13 (QTY 1 PER SIDE)



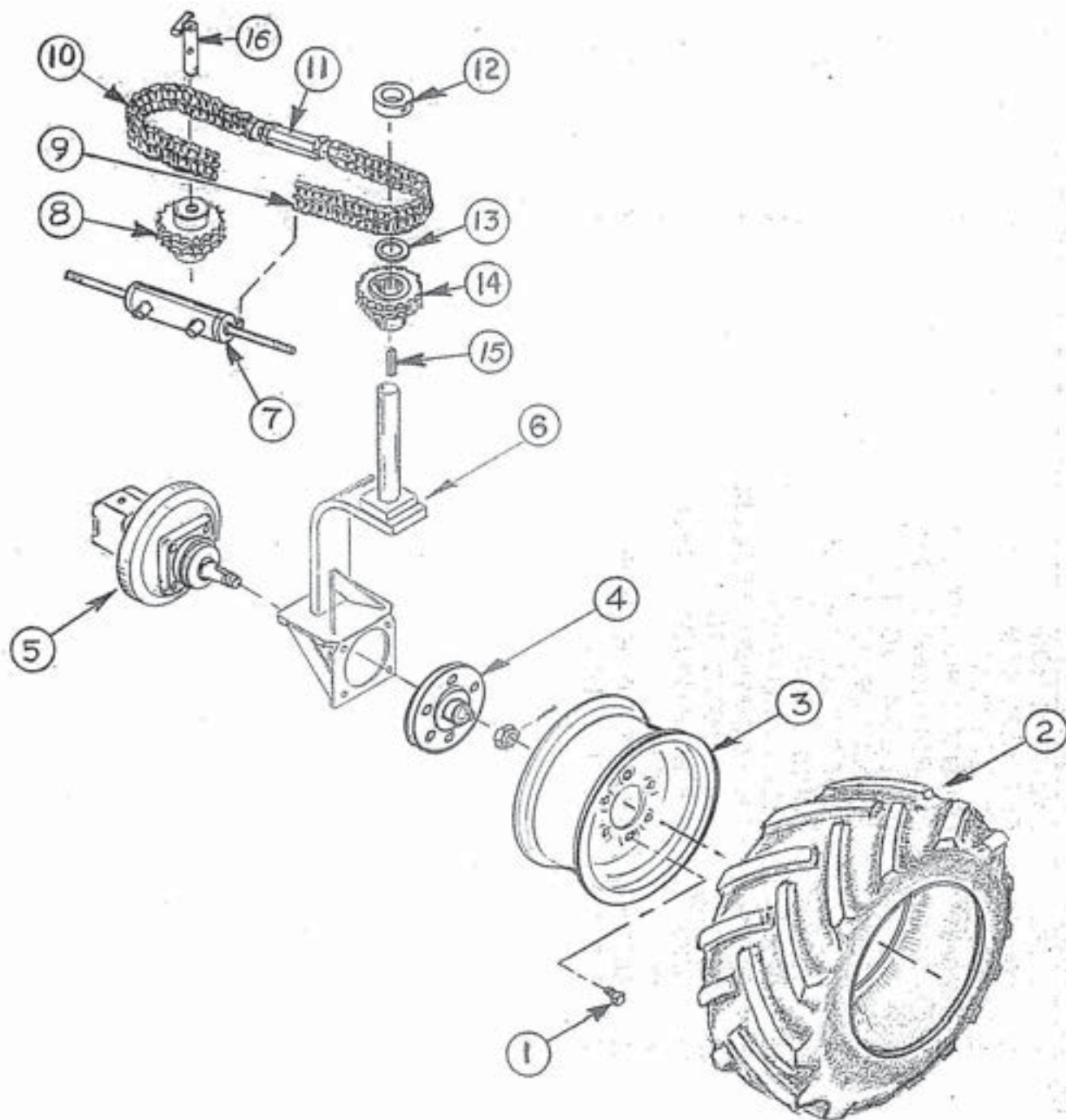
HOPPER SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1	002859	CYLINDER, HOIST	2
2	000349P	CLIP, CLEVIS PIN	6
3	000359P	PIN, CLEVIS 1"	3
4	004880	CYLINDER, HOPPER 3000	1
5	002523	PIN, ROLLOVER CYLINDER	1
6	002511	PIN, BOOM PIVOT-LG	1
7	003023	CRANK, HOPPER SD	1
8	003129	GUARD, ROLLOVER CHAIN	1
9	002659	TURNBUCKLE ASSY	2
10	002658	CHAIN, ROLLOVER	2
11	002516	PIN, BOOM/PIVOT/SPROCKET	1
12	003030	BOOM, WELD, SD	1
13	002512	PIN, BOOM PIVOT, SHORT	2
14	002534	HOPPER	1
15	002676	WEAR STRIP, HOPPER	2
16	002403P	#60 CONN LINK	4

Additional reference numbers:

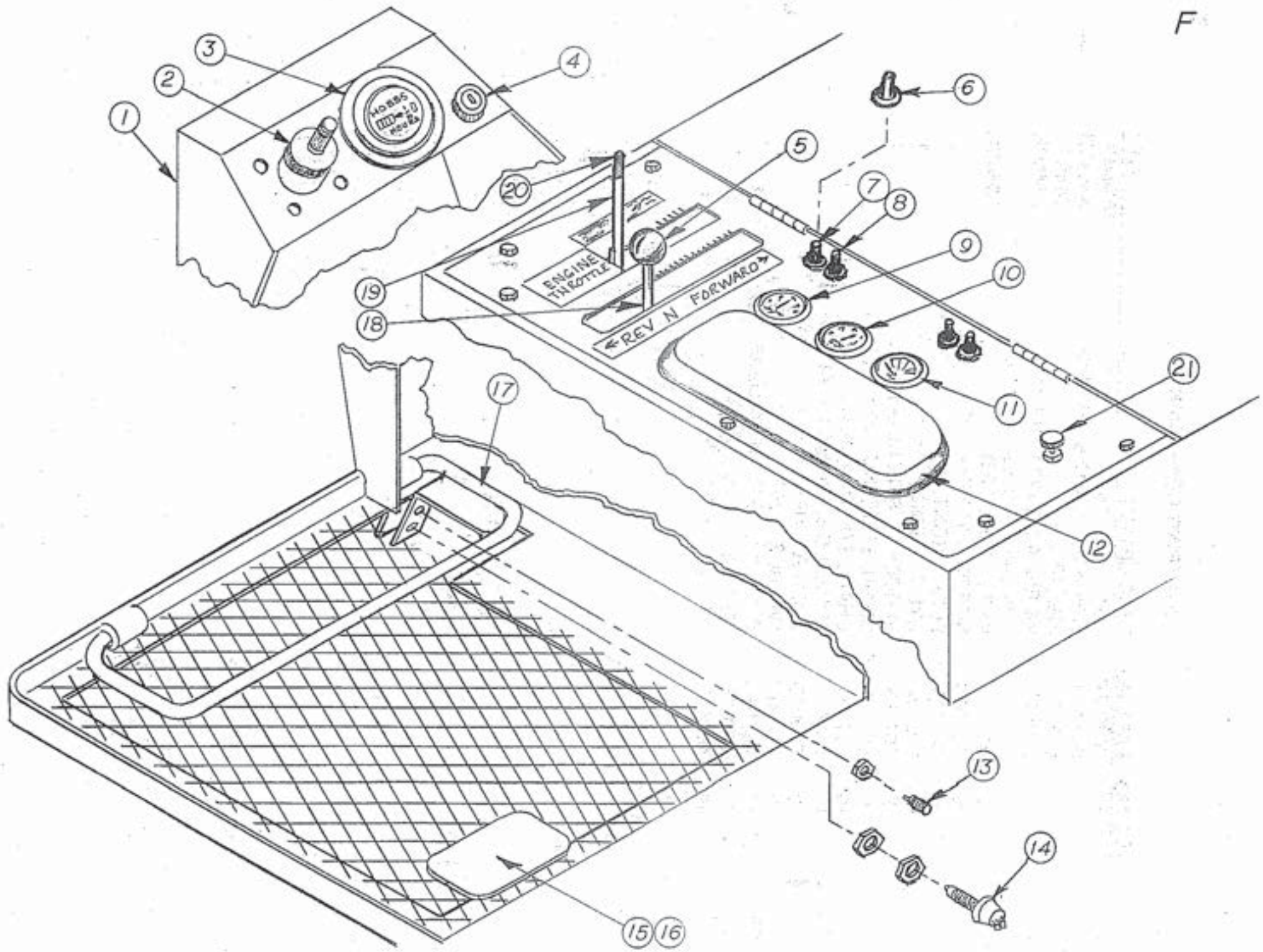
P298100 Hoist Lockout Switch - MOUNTED ON LEFT CYLINDER

P298155 Hopper Switch (on/off) - MOUNTED ON RIGHT SIDE HOPPER BOOM



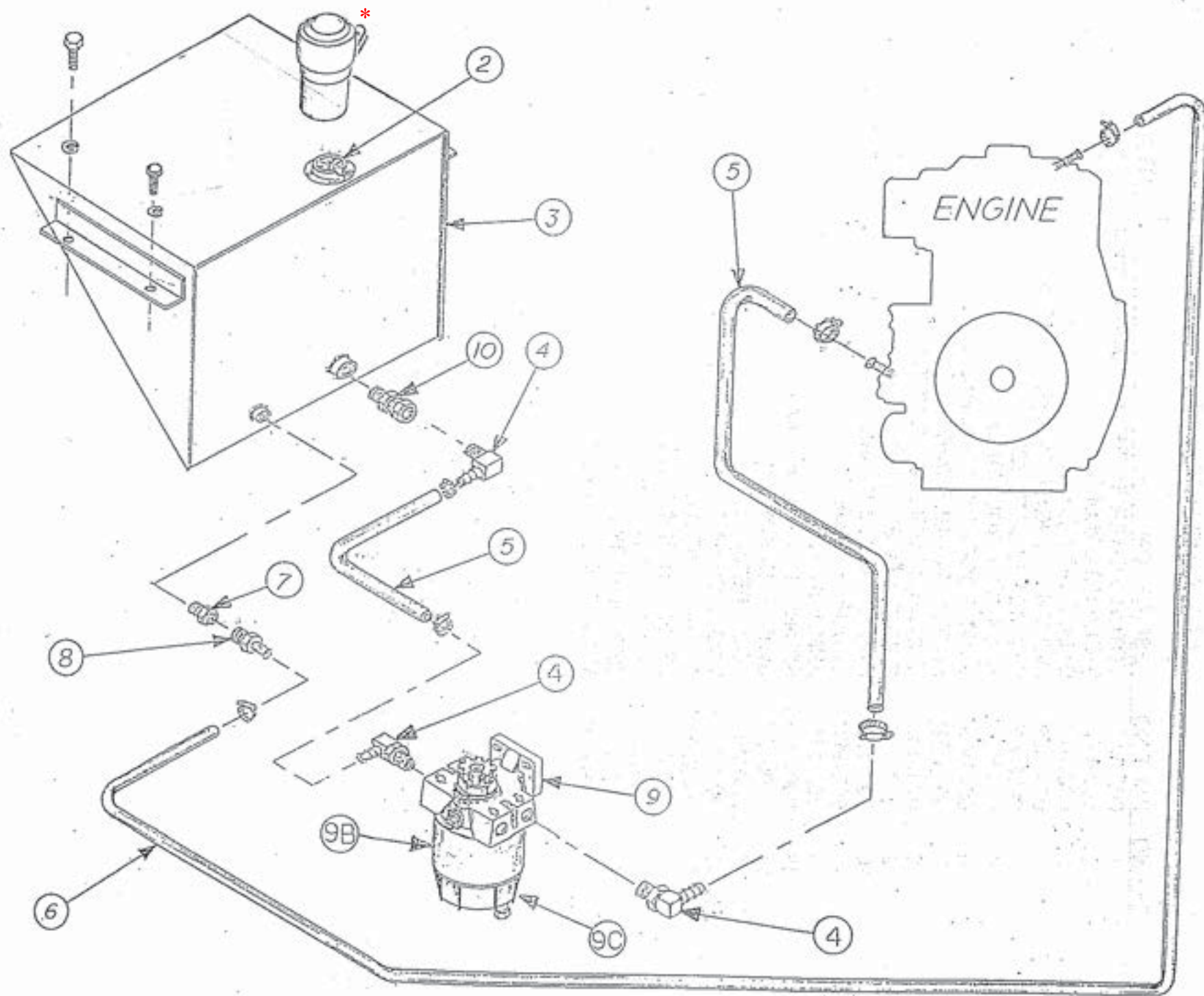
STEERING COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	003958P	NUT, WHL 9/16-18	18/MACH
2	002334P	TIRE, STG(29 X 12.50-15 NHS)	3/MACH
3	002647	RIM (10 X 15)	3/MACH
	002959	WHEEL ASSY (29 X 12.5-15) R (Includes 2 & 3, see overall view)	2/MACH
4	004944	WHEEL HUB, 6 STUD	3/MACH
5	004299P	MOTOR, WHL/BRK-HB18	1
6	004308	FORK, FRONT SD	1
7	003107	CYL, STEERING, (2491)	1
8	002588	SPROCKET, STEERING IDLER	1
9	002831	CHAIN, STEERING, 16SB	1
10	002864	CHAIN, STEERING, 15SB	1
11	002827	TURNBUCKLE ASSY, STEERING	1
12	000013M	COLLAR, FORK 2"	1
13	000006M	WASHER, FORK	1
14	002587P	SPROCKET, STEERING DRIVE	1
15	002845	KEY, 3/8 X 1.875	1
16	003025	PIN, STEERING IDLER	1



OPERATOR CONTROLS

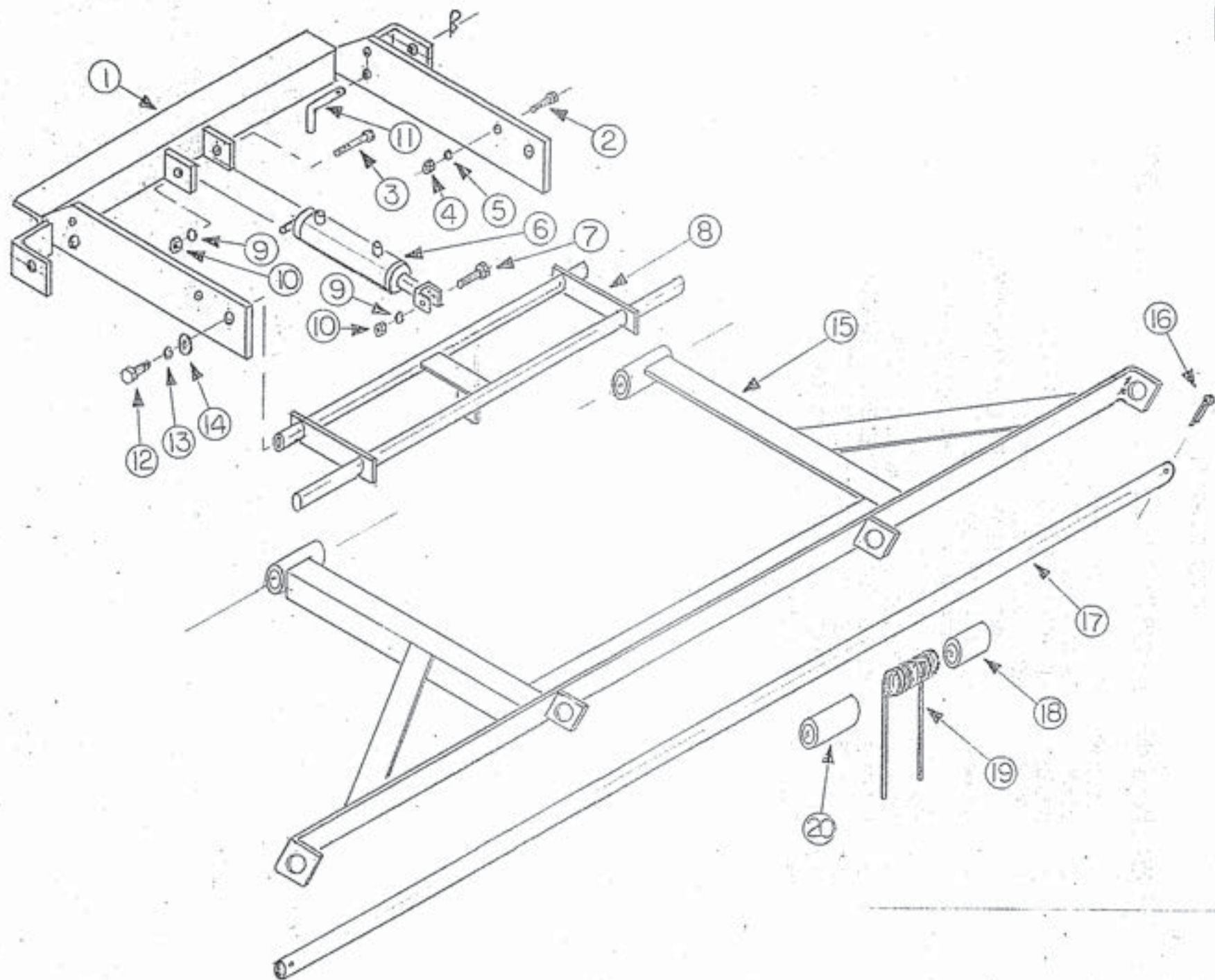
REF NO.	PART NO.	DESCRIPTION	QTY
1	002651	MOTOR, POWER STEERING, 1034 (not shown)	1
2	000108P	STEERING COLUMN	1
3	000104P	GAUGE, HOURMETER	1
4	003397P	SWITCH, IGN, KUBOTA (Includes 003396P)	1
	003396P	KEY, SET, KUBOTA IGN	
5	003466P	KNOB, CONTROL LEVER	1
6	004947P	BOOT, TOGGLE SWITCH, HALF	4
7	003367P	SWITCH, TOGGLE, DPDT	3
8	003368P	SWITCH, TOGGLE, DPDT DETENTED	1
9	000103P	GAUGE, WATER TEMP	1
10	000102P	GAUGE, OIL PRESSURE	1
11	002199P	GAUGE, VOLTMETER	1
12	002401P	ARMREST, RH	1
13	000136M	SPRING BUTTON, DEADMAN	1
14	000093P	SWITCH, DEADMAN	1
15	002640	FOOT, PEDAL, OSC	1
16	002860	VALVE, OPEN CENTER (not shown)	1
17	003236	PEDAL, DEADMAN	1
18	003468	LEVER, TRANSMISSION	1
19	003331	LEVER, THROTTLE	1
20	003465P	CAP, PLASTISOL, .463 X 1.5	1
21	004236P	VALVE NEEDLE NVG	1



FUEL SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
2	002733P	GAUGE, FUEL LEVEL	1
3	005084	TANK, FUEL, ASSY 3000	1
4	000322P	ADAPTER, BRASS 1/4" NPT 5/16 EL	3
5	002089P	HOSE, FUEL LINE, 5/16" ID (SPECIFY LENGTH WHEN ORDERING)	
6	002903P	HOSE, FUEL LINE, 3/16" ID (SPECIFY LENGTH WHEN ORDERING)	
7	F001349P	ADAPTER, PTR 1/4 X 1/8	1
8	002902P	ADAPTER, BRASS 1/8" NPT X 3/16 ST	1
9	003012P	FILTER, FUEL, HD & ELEMENT – RACOR	1
9B	003576P	FILTER, RACOR FUEL ELEMENT	1
9C	003577P	FILTER BOWL W/PLUG, RACOR	1
10	F001210P	ADAPTER, 0107-4-4	1

*NOT SHOWN 71.P610000 FUEL CAP

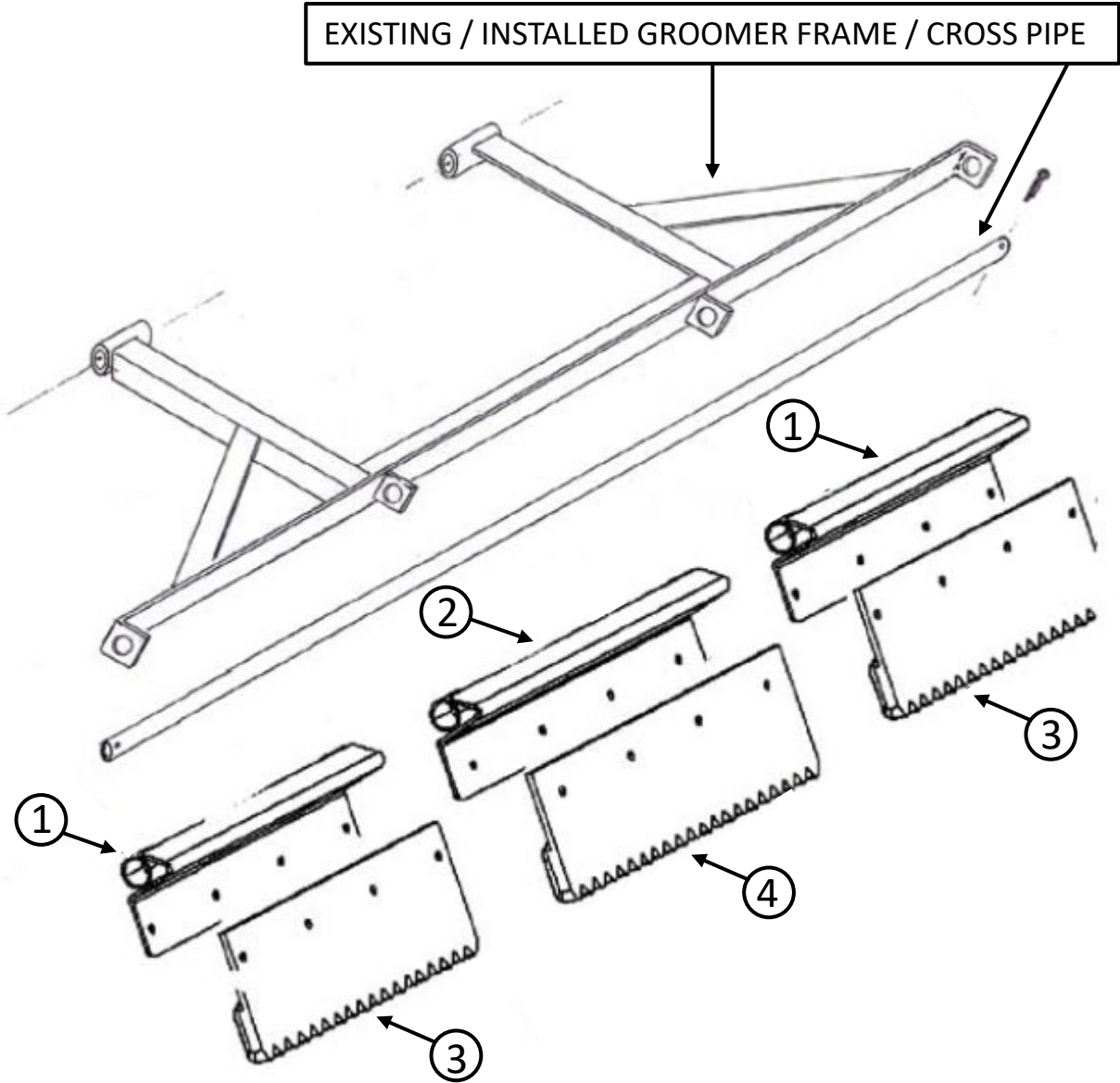


GROOMER ASSY

REF NO.	PART NO.	DESCRIPTION	QTY
1	004318	BRACKET, GROOMER MTG	1
2	000948P	BOLT, 3/8-16 NC X 1-1/2	4
3	000891P	BOLT, 1/2-13 NC X 3-1/2	1
4	000953P	NUT, LOCK, 3/8-16 NC	4
5	000955P	WASHER, LOCK, 3/8	4
6	004638	CYL, 1-1/2 B X 4" STROKE	1
7	000984P	BOLT, 1/2-13 NC X 1-3/4	1
8	004334	LIFT, GROOMER	1
9	000990P	WASHER, LOCK, 1/2	2
10	000988P	NUT, LOCK, 1/2-13 NC	2
11	004305P	PIN, BENT HITCH 3/4 X 3-1/2	2
12	003934P	BOLT, 5/8-11 NC X 1	2
13	000935P	WASHER, LOCK, 5/8	2
14	000936P	WASHER, FLAT, 5/8	2
15	004323	GROOMER WELD	1
16	001689P	PIN, COTTER 3/16 X 2 ZP	2
17	004333	PIPE, SPRING MT	1
18	004177	SPACER, GROOMER, SM	2
19	004206	SPRING, GROOMER	15
20	004176	SPACER, GROOMER, LG	12

Early model 3000 are equipped with steel spring tine groomer / finisher
*Spring tines are no longer available thru Cherrington
Machine must be updated to rubber groomer / finisher pad system

RUBBER GROOMER / FINISHER PAD CONVERSION			
Item	Qty	Part Number	Description
1	2	71.005355	GROOMER BRACKET OUTSIDE
2	1	71.005354	GROOMER BRACKET INSIDE
3	2	71.005353	GROOMER / FINISHER PAD OUTSIDE
4	1	71.005352	GROOMER / FINISHER PAD INSIDE
*NOT SHOWN REQUIRED MOUNTING HARDWARE			
	12	71.P851105	LOCK WASHER: 5/16
	12	71.P850105	FLAT WASHER: 5/16
	12	71.P150500	HEX NUT: 5/16



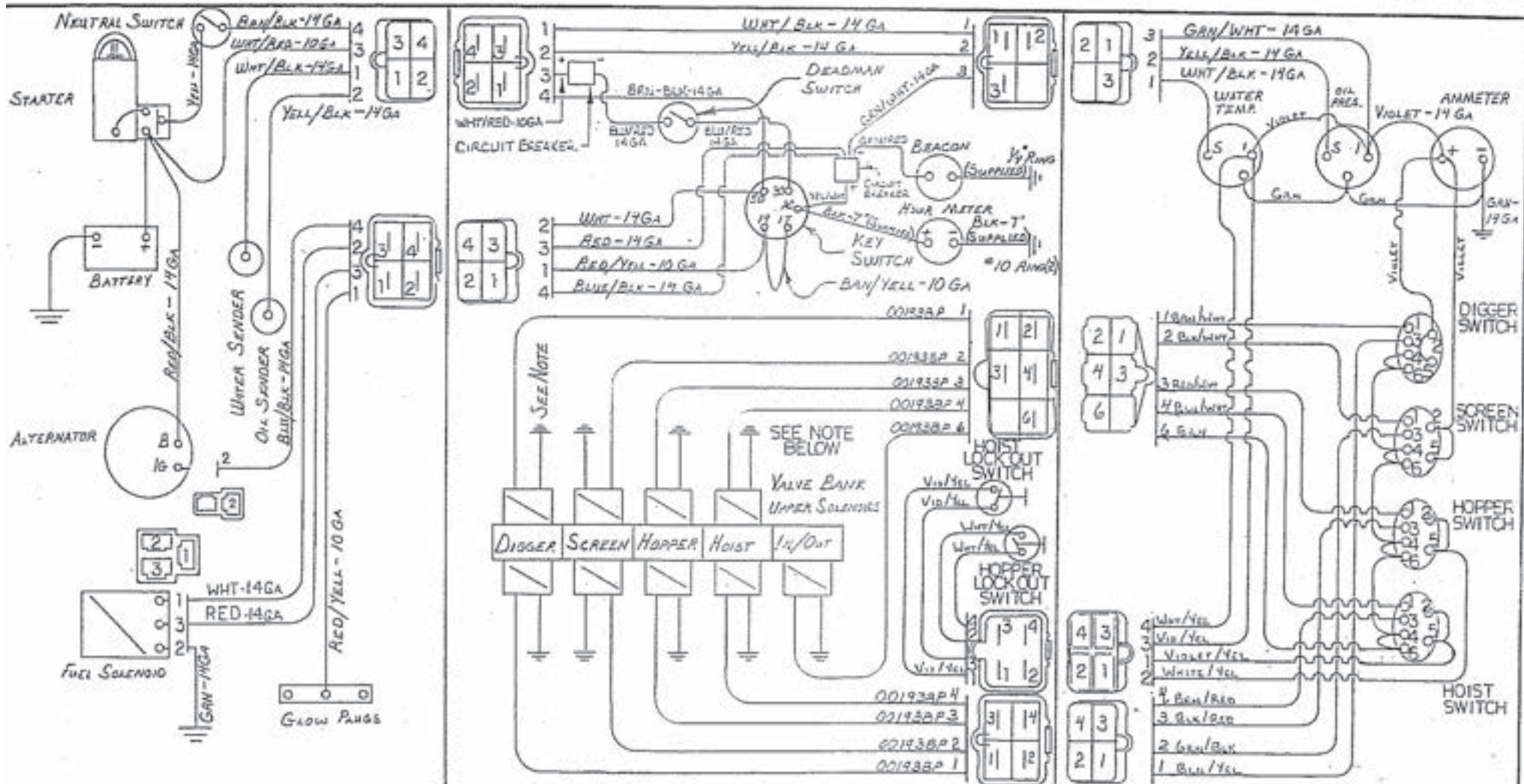
001498
HYDRAULIC DIAGRAMS, 3000
Page 1

REF	DESCRIPTION
A	CD 90° 1-1/4, Zinga #FT1215ZP, H1166P, Zinga #FT1215ZP, 45° Street Ell 1-1/4, Pump Inlet Adapter #002816.
B	3A08-10A12, 0107-12-12, 2107-12-12, H1004P, 2107-12-12
C	2107-6-6, H1131P, 3507-6-6
D	3507-6-6, H1129P, 3107-6-6
E	0507-6-6, 3107-6-6, H1121P, 2107-6-6
F	0507-6-6, 3107-6-6, H1131P, 2107-6-6
G	2107-6-6, H1014P, 0107-6-6
H	2107-12-12, H1123P, 2107-8-12, 0507-10-8
I	0507-8-8, 3107-8-8, H1063P, 0107-8-8, 1/2MMO
J	0507-8-8, 0107-8-8, 3107-8-8, H1027P, 0107-8-8, 1/2MMO
K	2107-8-6, H1125P, 2107-8-6
L	2107-8-6, H1126P, 2107-8-6
M	0107-8-6, H1016P, 2107-8-6
N	0107-8-6, H1145P, 2107-8-6
O	0507-8-6, 3107-6-6, H1103P, 3107-6-6, 2107-4-6
P	0507-8-6, 0107-6-6, 3107-6-6, H1022P, 2107-4-6, Needle Valve (000230P), 1/4FF
Q	0507-8-8, 0107-8-8, 3107-8-8, H1105P, 0507-10-8
R	0507-10-8, H1105P, 2107-12-8
S	0507-8-8, 3107-8-8, H1124P, 2107-12-8
T	2107-8-8, H1138P, 3107-8-8, 3507-10-8
U	2107-8-8, H1138P, 3107-8-8, 3507-10-8
V	0507-6-6, 3107-6-6, H1003P, 2107-6-6
W	0507-8-8, 0107-8-8, 3107-8-8, 1/2MRO, 0107-8-8, H1136P, 3107-8-8, 1/2MRO
X	0507-8-8, 3107-8-8, 1/2MRO, 0107-8-8, H1136P, 3107-8-8, 1/2MRO
Y	0107-8-6, H1013P, 2107-8-6

001498 HYDRAULIC DIAGRAMS

Page 2

Z	3107-8-6, H1104P, 2107-8-6
AA	2507-10-12, H1118P, 2107-12-12
BB	2107-12-12, H1001P, 2107-12-12, F50G 16-3/4
CC	2507-16-16, 1"MRO, 0107-16-16, H1167P, 2107-16-16
DD	1X1/2 PTR, 2107-8-8, H1023P, 2107-8-8, 2107-8-8, 0507-8-8
EE	2507-12-12, 0107-12-12, 3/4MRO, 2107-12-8, H1108P, 2107-8-8, 0507-10-8
FF	2507-12-12, 3/4MMS, 3107-12-8, H1107P, 2507-10-8
GG	3107-12-8, H1146P, 0107-8-8, 1/2MMO
HH	0107-12-8, H1034P, 0107-8-8, 1/2MMO
II	H1130P, 0507-10-8
JJ	0107-8-8, H1112P, 3107-8-8, 0507-10-8
KK	0107-8-8, H1110P, 3107-8-8, 0507-10-8
LL	H1130P, 0507-10-8
MM	2507-4-4, H1114P, 0107-4-4, 1/4MMO
NN	2507-4-4, H1115P, 0107-4-4
OO	0107-4-4, H1116P, 2107-4-4
PP	2507-4-4, 0107-4-4, 2107-4-4, H1113P, 2107-4-4, 0107-4-4
QQ	0507-6-6, H1175P, 0107-6-6, 3/8MMS, 0507-8-6
RR	3/8MRO, 2107-6-4, H1113P, 2107-4-4, 0507-4-4
SS	2107-6-6, H1175P, 2107-6-6, 2507-6-6
TT	0507-6-6, 3107-6-6, H1125P, 3107-6-6, 0107-4-6
UU	1/2X1/4 PTR, 2107-4-4, H1043P, 2107-4-4
VV	1/2X1/4 PTR, 2107-4-4, H1099P, 2107-4-4
WW	2107-4-4, H1173P, 2107-4-4



BEGAN ON _____
 PER ECO/BOMCO# _____
 REPLACED 004949
 ON 900580 PER# 02-010
 REPLACED BY _____
 ON _____ PER# _____

SCREEN
 SWITCH
 DETAIL

GRN/BLK-DETENT

MAINTENANCE
 BLU/WHT

NOTE: GROUNDED VALVE BANK WIRES 5/8" CUT TO 8"
 LENGTH. ATTACH 001835P-5/16" RINGS AND CONNECT TO
 LEFT VALVE BANK ATTACHMENT BOLTS.
 LEAVE WIRES TO PLUGS AT FULL LENGTH (APPROX. 18").
 ATTACH APPROPRIATE TAP.

CHERRINGTON CORPORATION
 FAIRFAX, MINNESOTA 55332

SCALE	REVISIONS	BY	DATE
DATE 6-5-95			
BY J.C.			
APPROVED			
WIRING DIAGRAM, 3000		005180	