

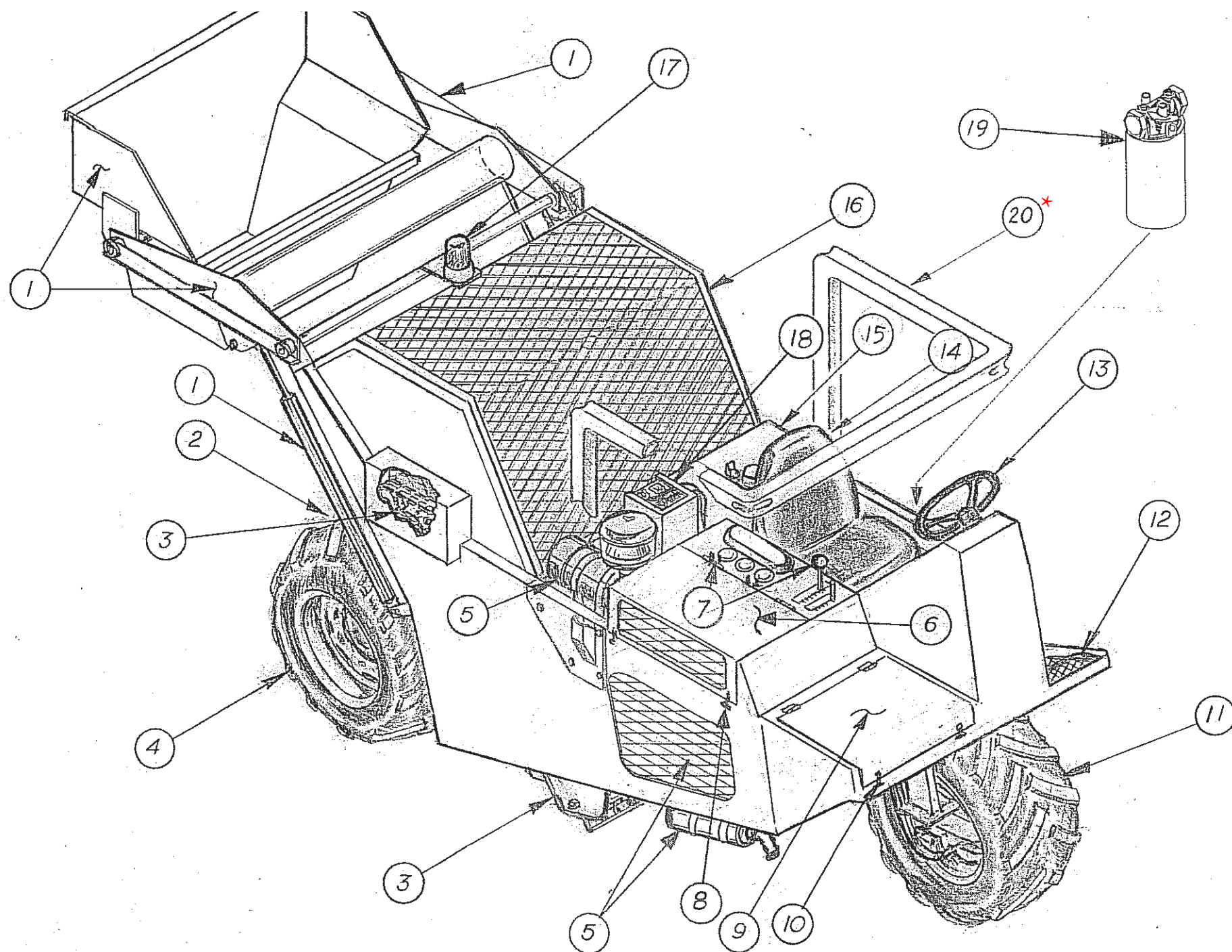
Cherrington

Sand Dollar

Compact Beachcleaner

PARTS LIST

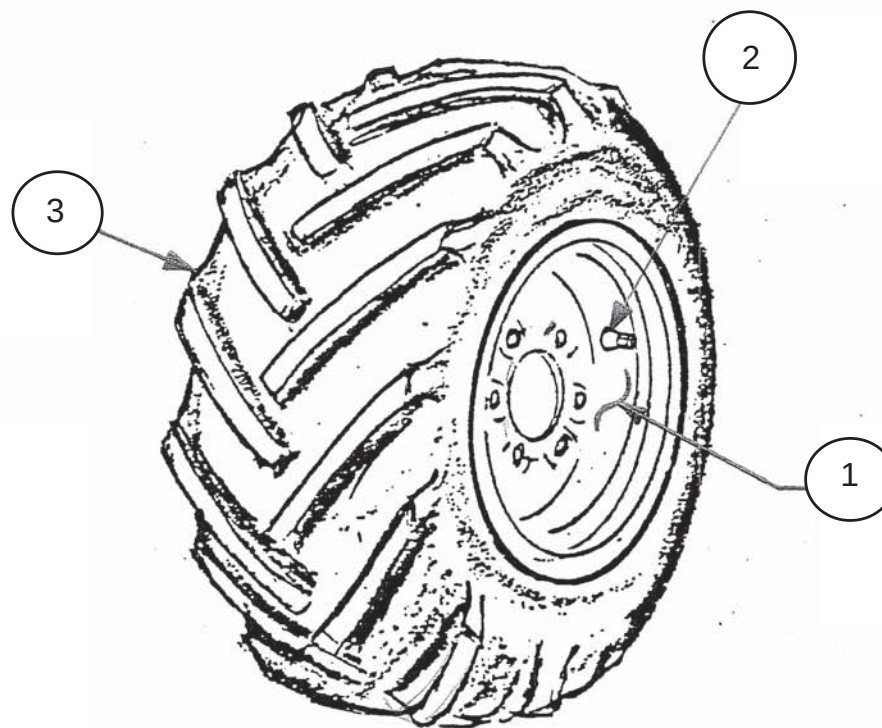
CHERRINGTON CORPORATION
P.O. BOX A
FAIRFAX, MN 55332
PHONE 507-426-7261
FAX 507-426-7263



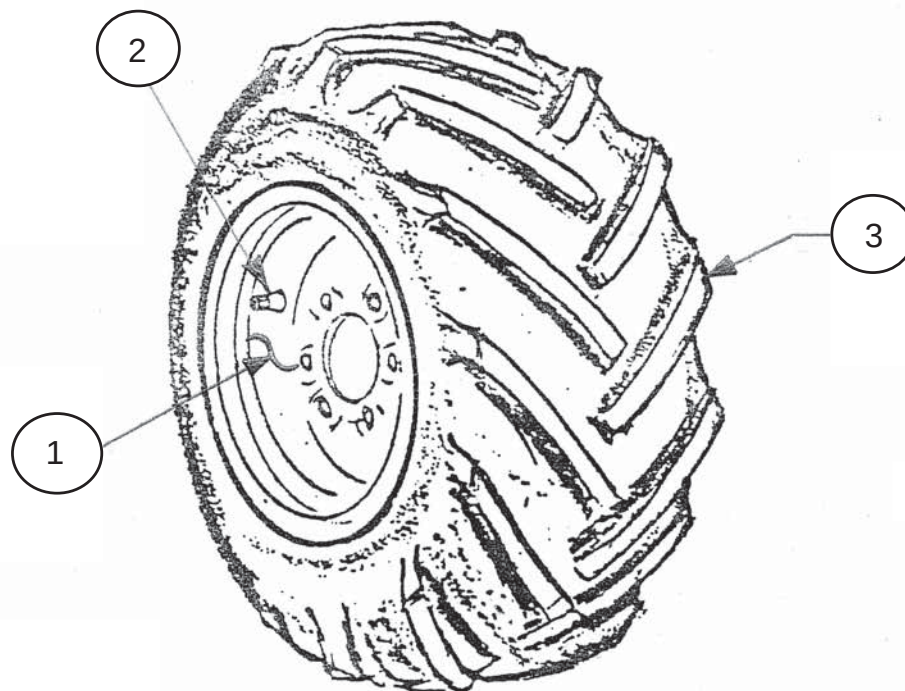
Overall View

3000

Ref No.	Part/Pg No.	Description	Qty
1	Page D	Hopper System	
2	003800	Tank, Oil, 10 Gal	1
3	Page C	Screen Components	
4	004300	Motor, Whl-HB18	2/Mach
	002646	Wheel Assy-Right Side	1
	002959	Wheel Assy- Left Side	1
		Each Wheel Assy Includes:	
	002334P	Tire, STG (29 x 12.5-15 NHS)	1
	002647	Rim (10x 15)	1
		See Also Steering Page E	
5	Page B	Engine/Pump Components	
6	003362	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 Componets	
12	Page F	Operator Controls	
13	000110P	Steering Wheel	1
	000111P	Nut, Steering Wheel	1
	002124	Steering Column	1
	002651	Mtr, Steering (1034)	1
14	002375P	Seat, K & M	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

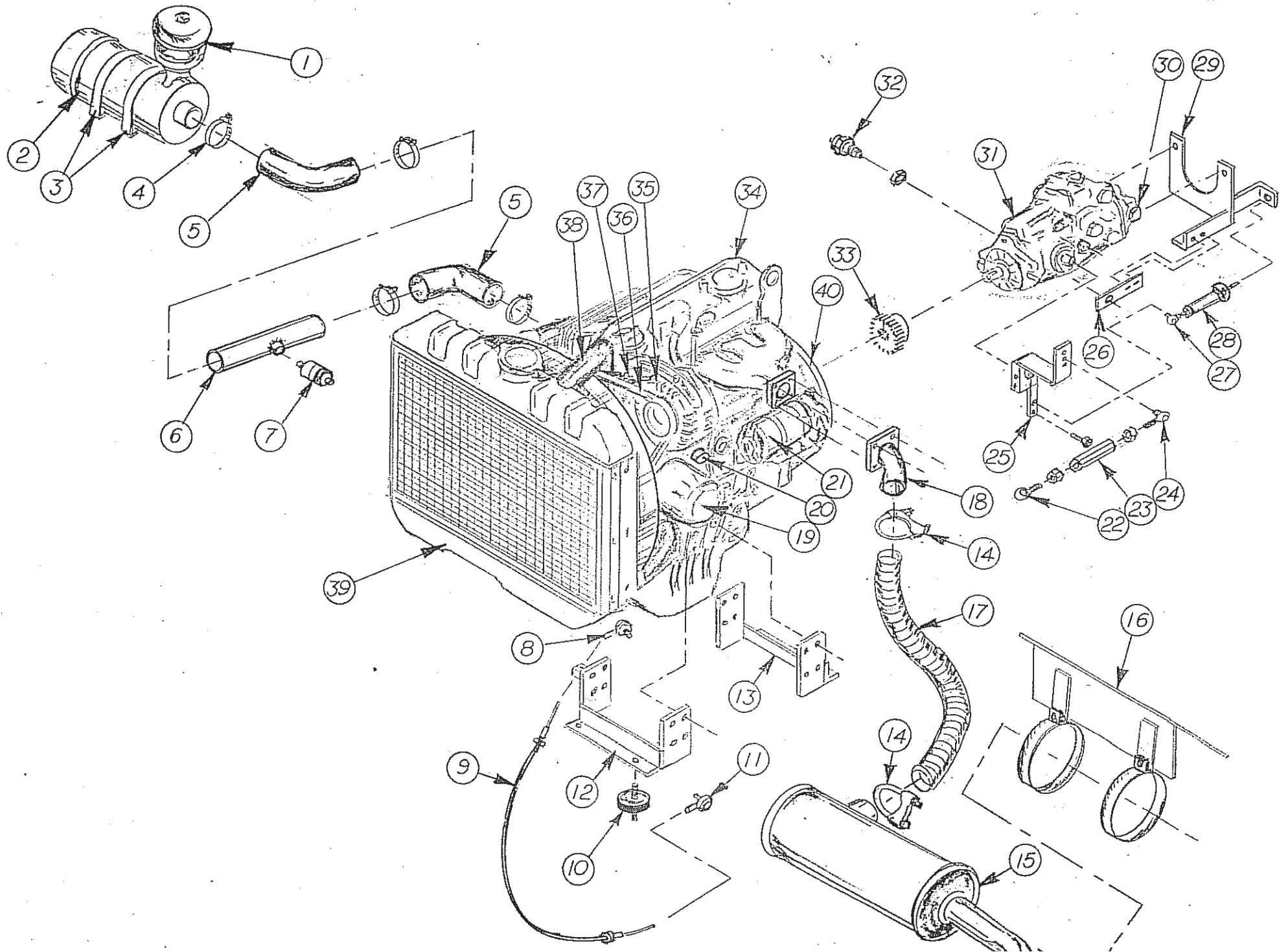


ITEM	PART NUMBER	DESCRIPTION	002646 WHEEL ASSY: RIGHT REAR		REV.
1	71.P750700	RIM: PIONEER #106809			
2	71.P763001	TUBE: INNER 3000	SCALE: _____	APPROVED BY: _____	DRAWN BY _____
3	71.P763000	TIRE: 29 X 12.5 - 15 NHS 8PR	DATE: _____		REVISED _____
			CHERRINGTON CORPORATION		
			DRAWING NUMBER _____		



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

B



PARTS LIST

ENGINE/PUMP COMPONENTS

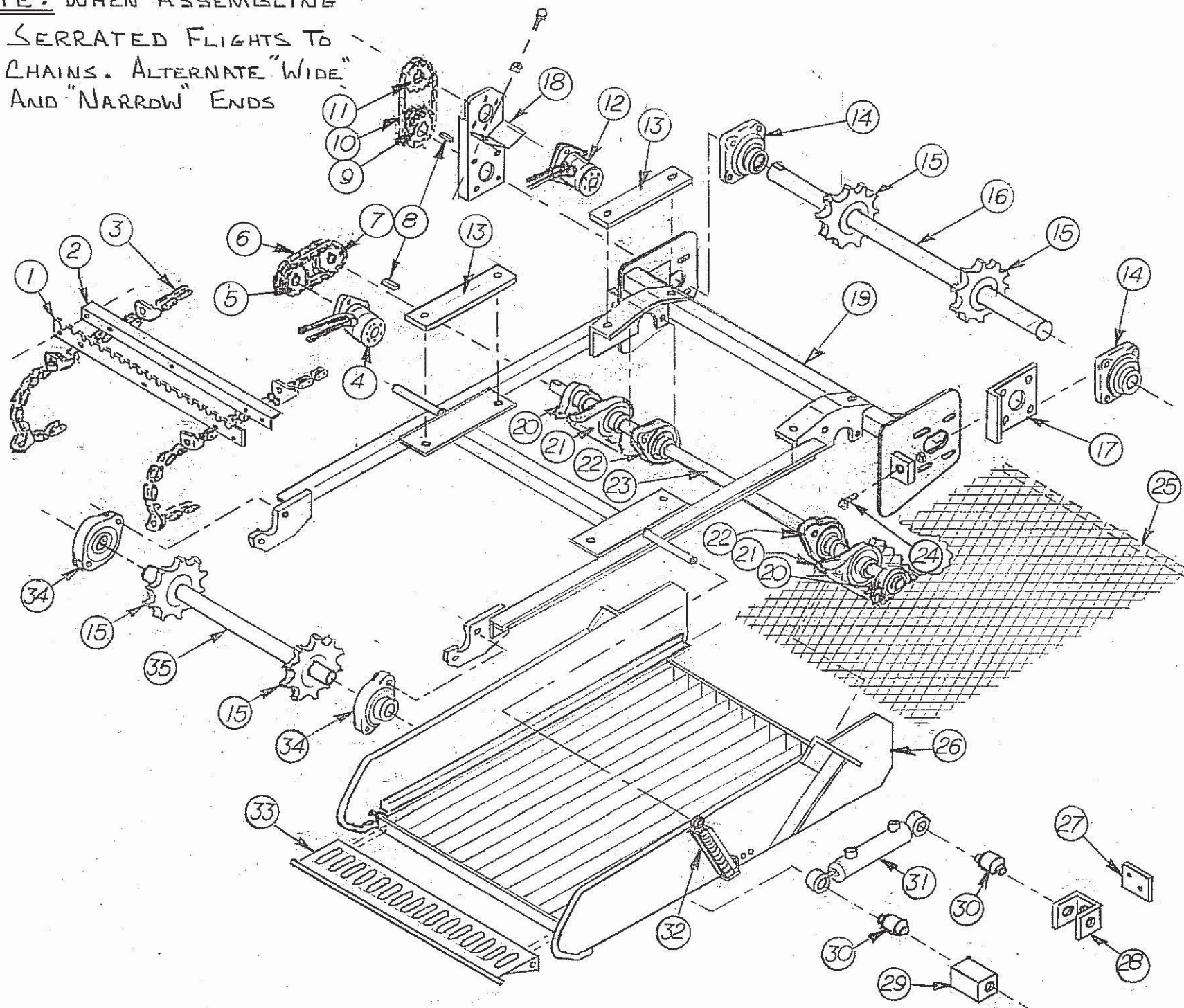
Ref No.	Part No.	Description	Qty.
1	003130P	Pre-Cleaner, SD	1
2	002377P	Air Cleaner Assy (Includes 002921P)	1
3	002849P	Mtg. Band, Air Cleaner	2
4	002075P	Clamp, Hose, Size 28	4
5	003345P	Hose, Air Intake Elbow	2
6	003344	Tube, Air Intake Wld	1
7	000354P	Indicator, A/C Service, 20"	1
8	003335P	Ball Joint, 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	Mt, Engine, Front	1
13	003223	Mt, Engine, Rear	1
14	002895P	U-Clamp, 1-5/8	2
15	002892	Muffler W/Tailspout	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 3/8-24 LH	1
23	003326	Linkage Rod, Transmission	1
24	000202P	Ball Joint, Male w/Stud 3/8-24 RH	1
25	003356	Lever, Trans. Control Shaft	1
26	003352	Brkt, Neutral Safety Adj	1
27	000688P	Ball Joint, Female w/Stud 5/16-24 RH	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 Housing/ 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

C



Parts List

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	003306	Motor, 101-1009 Painted	1
5*	003297	Sprocket, D5030X 1" Bore	1 UPDATED P/N: 71.P652300
6	003298	Chain, #50-2 Osc.	1
7*	003294	Sprocket, D50B18 1-7/16 Bore	1 UPDATED P/N: 71.P652181
8	002845	Key, 3/8 x 1.875	2
9*	002671	Sprocket, Conveyor Driven, 21-24	1 UPDATED P/N: 71.P652021
10	003299	Chain, #50 Conveyor Drive	1
11*	002670	Sprocket, Conveyor Drive, 24-21	1 UPDATED P/N: 71.P652024
12	003304	Motor, 101-1014 Painted	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)	1
17	003281	Brkt, Bearing, Conveyor Adj	1
18	003271	Brkt, Conveyor Mtr	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
26	004346	Screen Frame Wld, 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 **	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 15,34,35, (2) 000328M Key)	1

*OPTIONAL SOLID DIGGER POINT P/N 71.005363 Page 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:

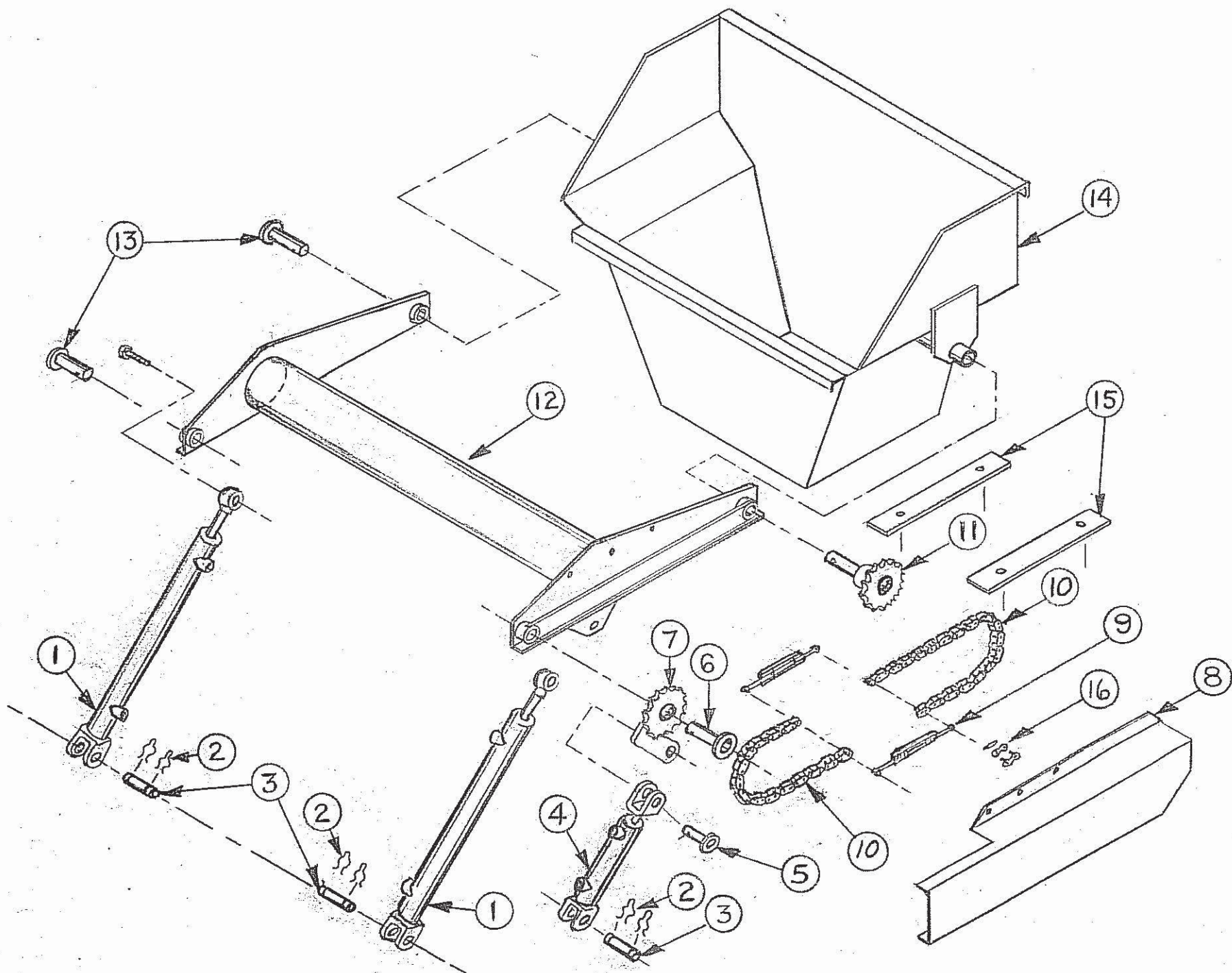
71.P100604 HEX BOLT 3/8-16 X 1 GR 5 (QTY 4)
71.P850106 FLAT WASHER 3/8 (QTY 4)
71.P851106 LOCK WASHER 3/8 (QTY 4)

#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 (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)



PARTS LIST

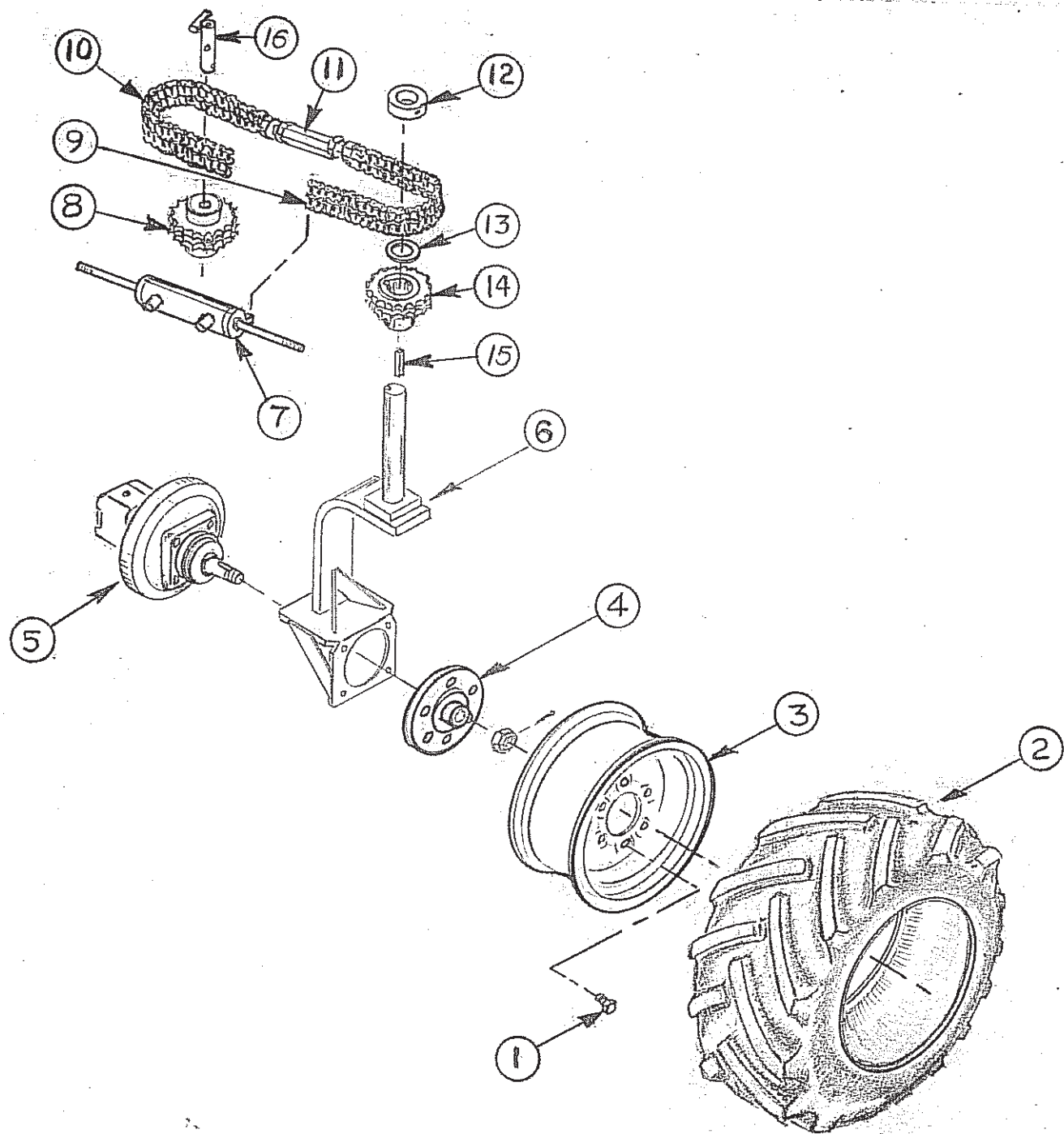
HOPPER SYSTEM

Ref. No.	Part No.	Description	Qty.
1	002859	Cylinder, Hoist	2
2	000349P	Clip, Clevis Pin	6
3	000359P	Pin, Clevis (1")	3
4	002655	Cylinder, Hopper	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, Wld (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

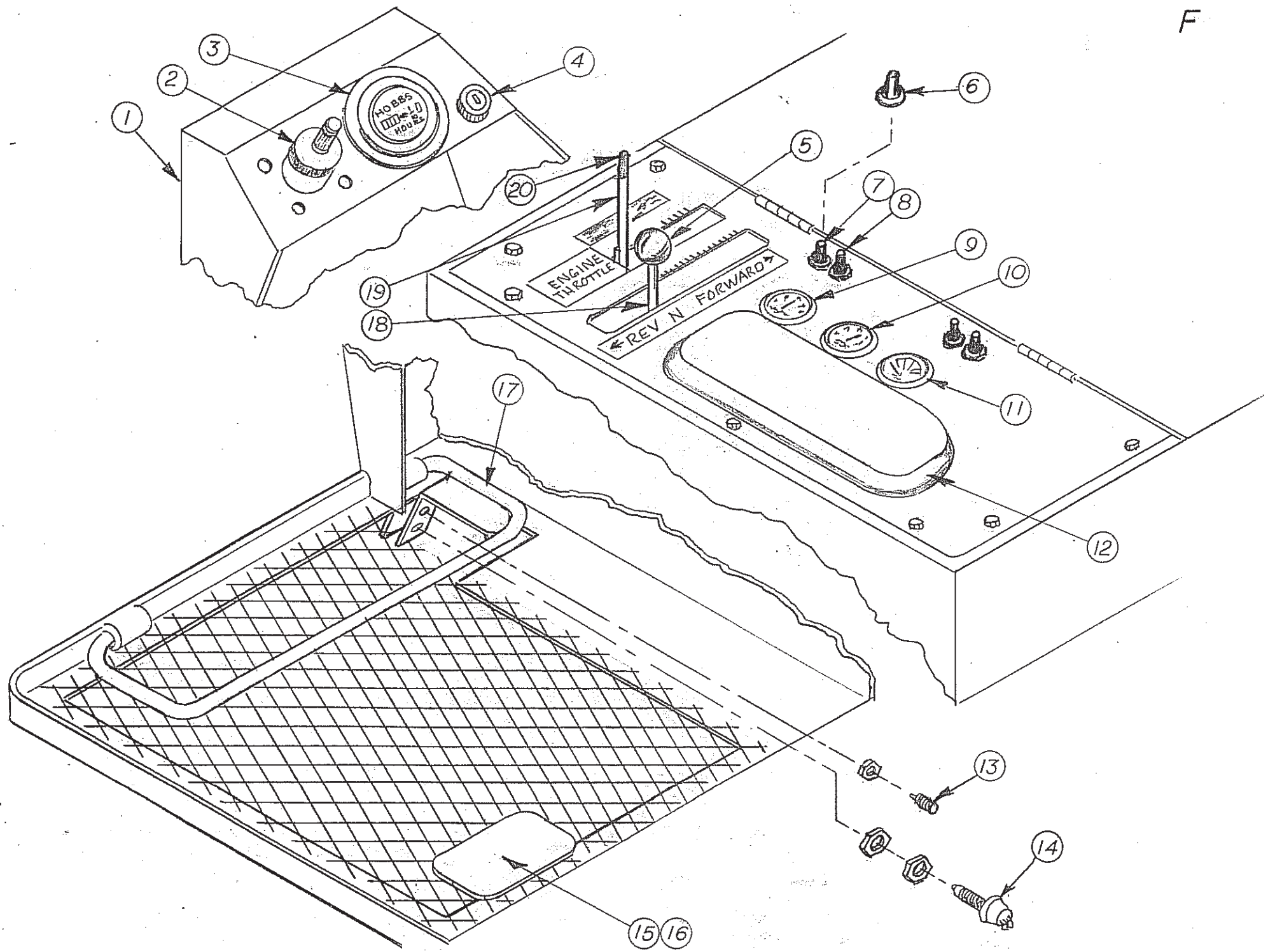
P298155 Hopper Switch (on/off) - MOUNTED ON RIGHT SIDE HOPPER BOOM



Parts List

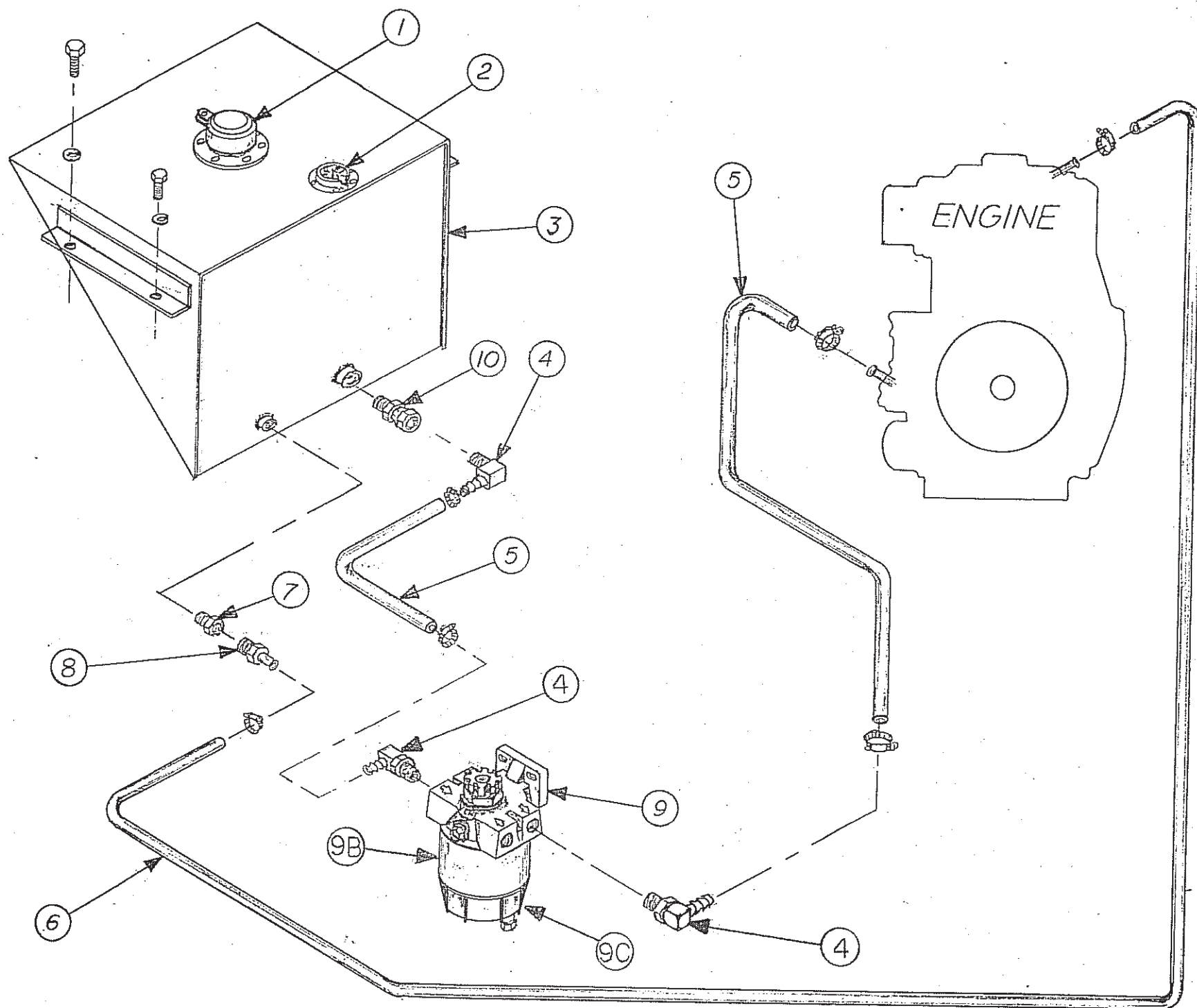
Steering Components

<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty</u>
1	002402P	Bolt, Whl 9/16-18 x 1-3/16	18/mach
2	002334P	Tire, STG (29x 12.50-15 NHS)	3/mach
3	002647	Rim (10x 15)	3/mach
	002959	Wheel Assy (29x12.5-15) R Includes 2&3, See Overall View	2/mach
4	002505	Wheel Hub	3/mach
5	004301	Mtr, Whl/Brk-HB18	1/mach
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



PARTS LIST
OPERATOR CONTROLS

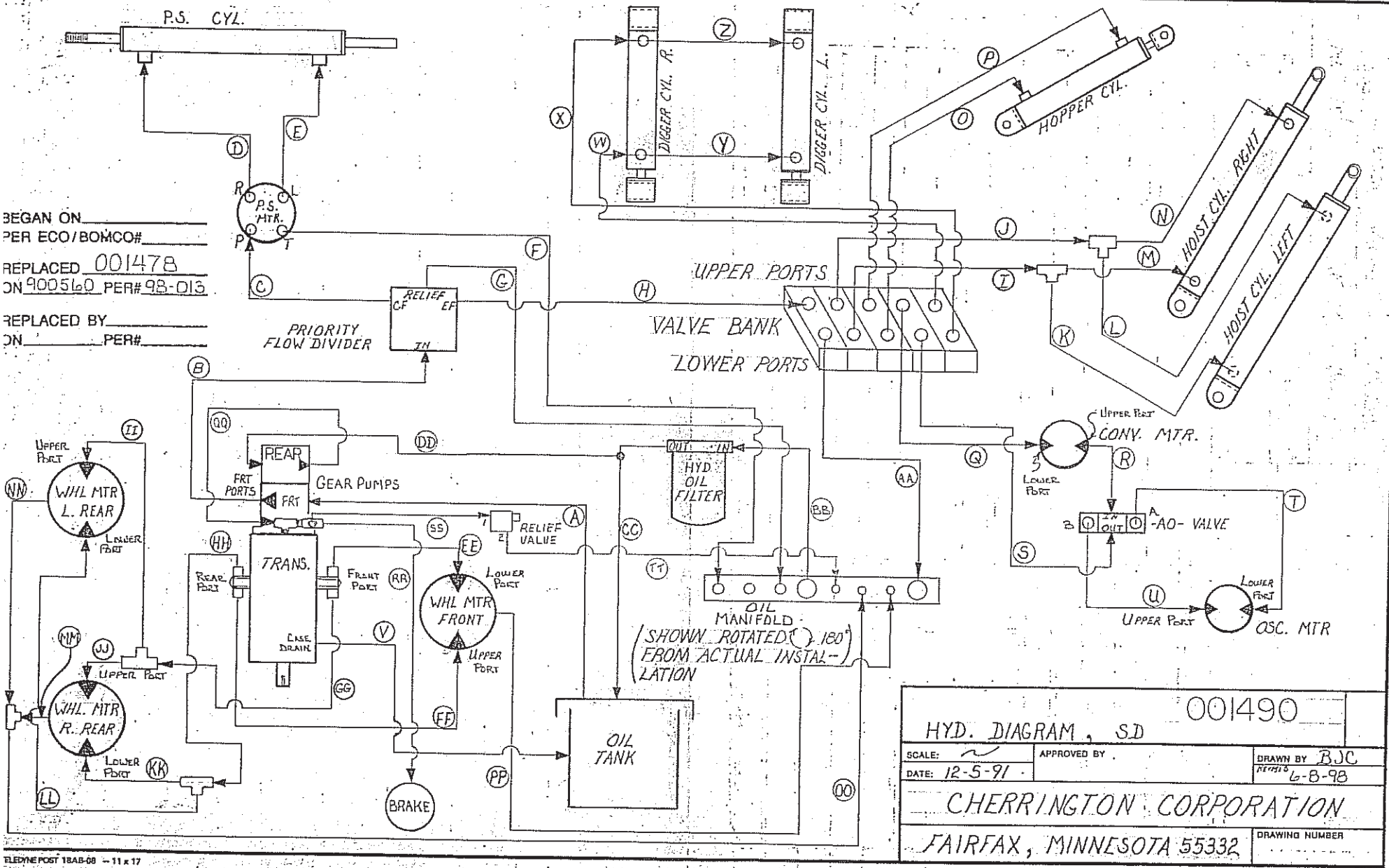
<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1	002651	Motor, Power Steering (1034) Not Shown	1
2	002124	Steering Column	1
3	000104P	Gauge, Hourmeter	1
4	003397P	Switch, Ign, Kubota (Includes 003396P)	1
	003396P	Key Set, Kubota Ing	
5	003466P	Knob, Control Lever	1
6	003380P	Boot, Toggle Switch	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



PARTS LIST

FUEL SYSTEM

Ref No.	Parts No.	Description	Qty.
1	000174P	Filler/Breather Kit	1
2	002733P	Gauge, Fuel Level	1
3	002906	Tank, Fuel, SD	1
	002917	Tank, Fuel, Assy	
		Includes #1-#3	
4	000322P	Adapter, Brass 1/4" NPT 5/16 EL	3
5	002089P	Hose, Fuel Line, 5/16" I.D.	
		Specify Length When Ordering	
6	002903P	Hose, Fuel Line, 3/16" I.D.	
		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



BEGAN ON _____
PER ECO/BOMCO# _____
REPLACED 001478
ON 900560 PER# 98-013
REPLACED BY _____
ON _____ PER# _____

06-11-98

001490
HYDRAULIC DIAGRAM, SD

REF NO.	DESCRIPTION
A	CD 90 DEGREE 1-1/4, ZINGA #FT1215ZP, H1166P ZINGA #FT1215ZP, 45 DEGREE STREET ELL 1-1/4, PUMP INLET ADAPTER #002862.
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, 1/2 MMO
J	0507-8-8, 0107-8-8, 3107-8-8, H1027P, 0107-8-8, 1/2 MMO
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), 1/4 FF
Q	0507-8-8, 0107-8-8, 3107-8-8, H1105P, 0507-10-8

001490

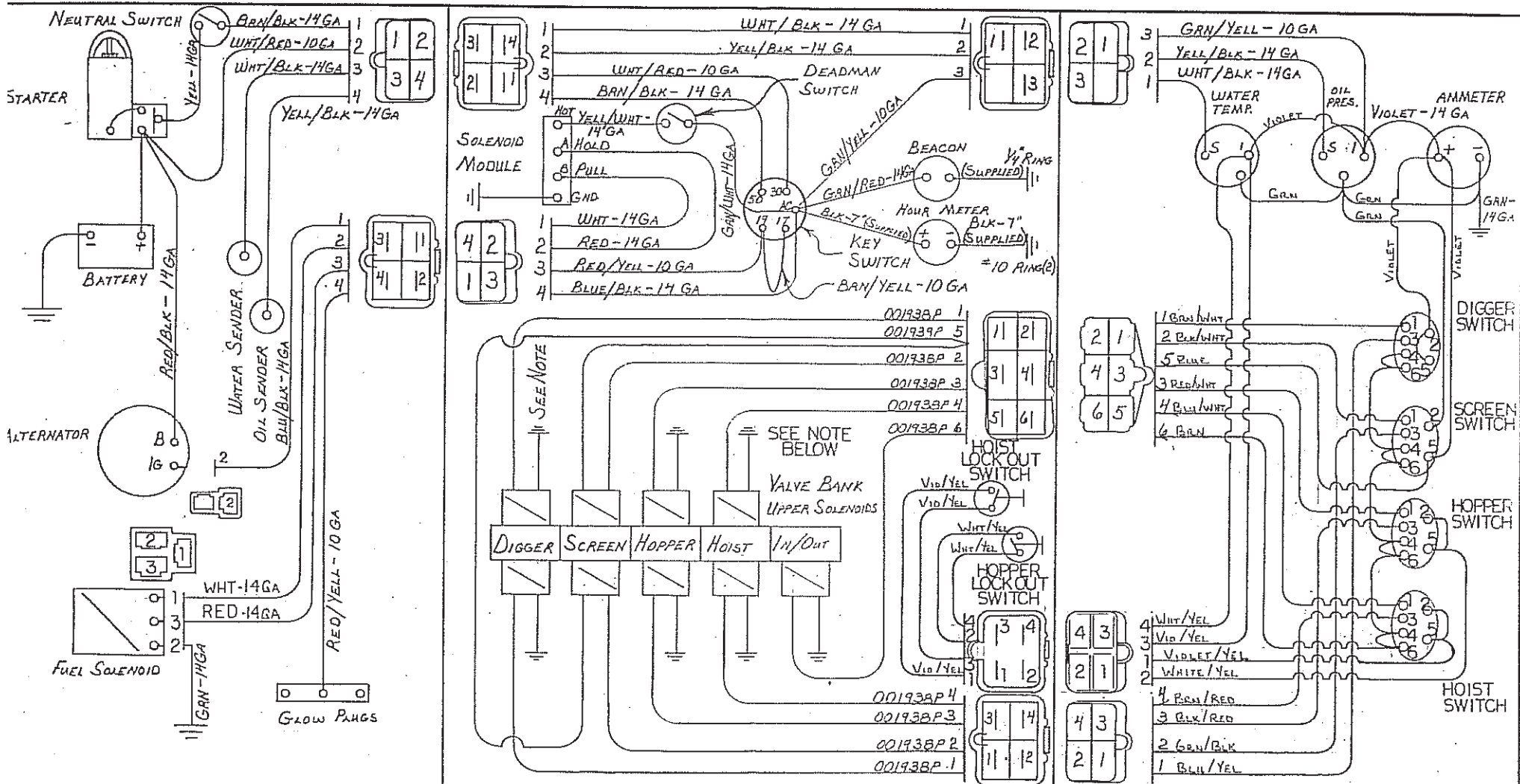
HYDRAULIC DIAGRAMS, SD

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, H1136P, 3107-8-8, ½ MRO
X	0507-8-8, 3107-8-8, H1136P, 3107-8-8, ½ MRO
Y	0107-8-6, H1013P, 2107-8-6
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 ¾
CC	2507-16-16, 1" MRO, 0107-16-16, H1167P, 2107-16-16
DD	1 x ½ PTR, 2107-8-8, H1023P, 2107-8-8, 2107-8-8, 0507-8-8
EE	2507-12-12, 0107-12-12, ¾ MRO, 2107-12-8, H1108P, 2107-8-8, 0507-10-8
FF	2507-12-12, ¾ MMS, 3107-12-8, H1107P, 2507-10-8
GG	3107-12-8, H1146P, 0107-8-8, ½" MMO
HH	0107-12-8, H1034P, 0107-8-8, ½" MMO
II	H1130P, 0507-10-8

001490

HYDRAULIC DIAGRAMS, SD

JJ	0107-8-8, H1112P, 3107-8-8, 0507-10-8
KK	0107-8-8, H1110P, 3107-8-8, 0507-10-8
LL	H1130P, 3107-8-8, 0507-10-8
MM	2507-4-4, 2107-4-4, H1114P, 0107-4-4, ¼ MMO
NN	2507-4-4, 3107-4-4, 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, 3/8 MMS, 0507-8-6
RR	3/8 MRO, 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, 0107-6-6



EGAN ON _____
 ER ECO/BOMCO# _____
 REPLACED 003347
 N 900540 PER# 95-002
 REPLACED BY _____
 N _____ PER# _____

SCREEN
 SWITCH
 DETAIL

GRN/BLK-DETENT



NOTE: GROUNDED VALVE BANK WIRES S/B CUT TO 8" LENGTH. ATTACH 001835P-5 1/16" RINGS AND CONNECT TO LEFT VALVE BANK ATTACHMENT BOLTS. LEAVE WIRES TO PLUGS AT FULL LENGTH (APPROX. 18"). ATTACH APPROPRIATE TEAM.

CHERRINGTON CORPORATION
 FAIRFAX, MINNESOTA 55332

SCALE	REVISIONS	BY	DATE
DATE 6-5-95			
DRN: B.J.L.	CAD:		
APVD:			
TITLE	NO.		
WIRING DIAGRAM, KUBOTA	003674		

NOTICE OF ELECTRICAL SAFETY SWITCHES

There are four electrical safety switches installed on the Cherrington SandDollar. The first two are for the protection of the operator and/or bystanders. These switches are the deadman switch and the neutral safety switch.

The remaining two switches protect the hopper and/or hoist components from damage caused by misuse. Under NO circumstances are these switches to be modified or bypassed except to safely move the machine to a safe work area to be properly serviced. In all cases of switch failure, the operator may temporarily bypass the failed switch by connecting those two wires directly.

We encourage you to look over the machine and electrical diagram so that you know where the switches are and how they operate.

Cherrington Corporation assumes NO responsibility for damages caused by modified or misused switches.