

Cherrington Beachcleaner

OWNER'S MANUAL

PARTS LIST

PRICE LIST

**CHERRINGTON CORPORATION
HIGHWAY 19 WEST
FAIRFAX, MN 55332
PHONE 507-426-7261**

PARTS BOOK INDEX

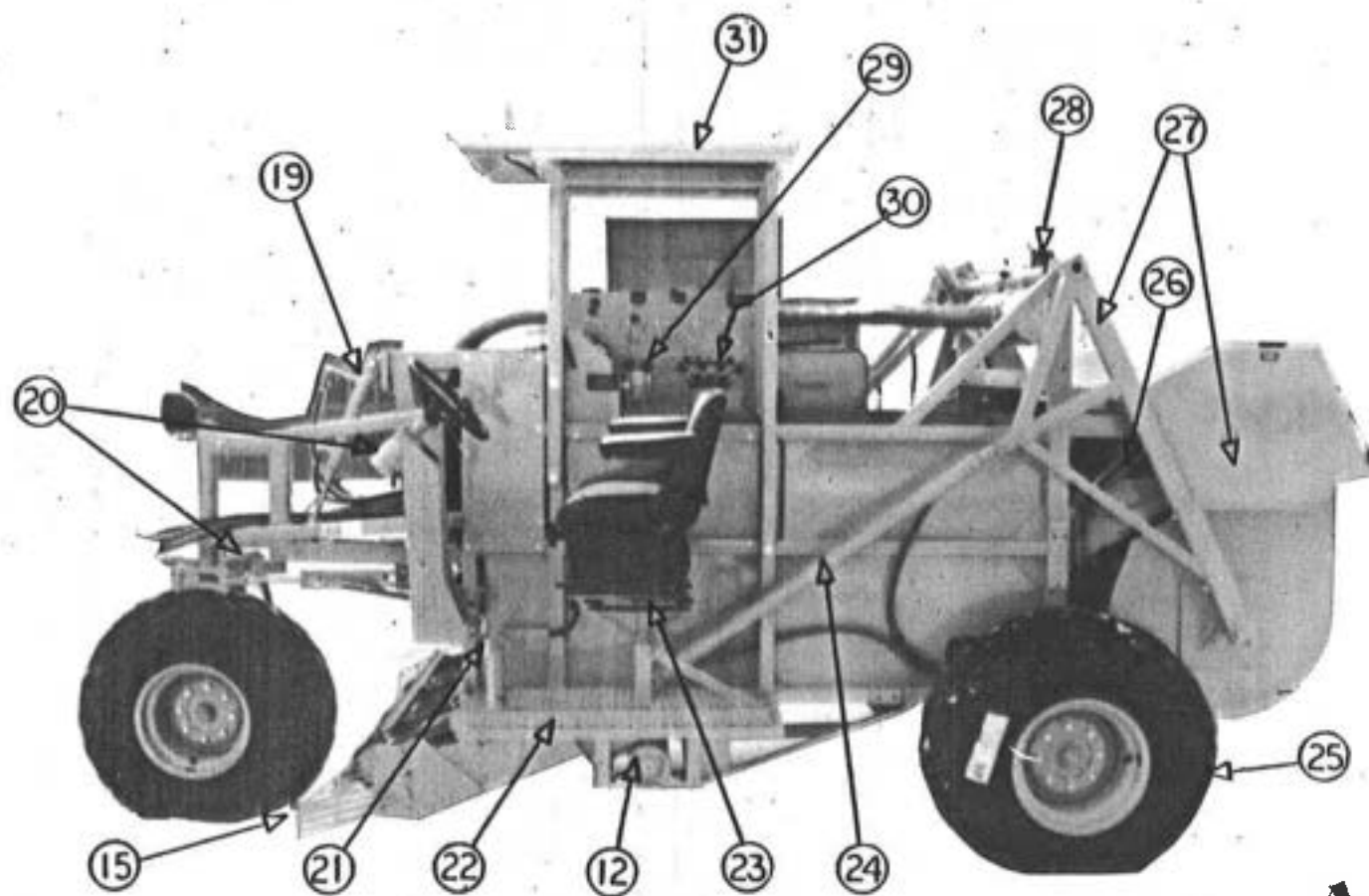
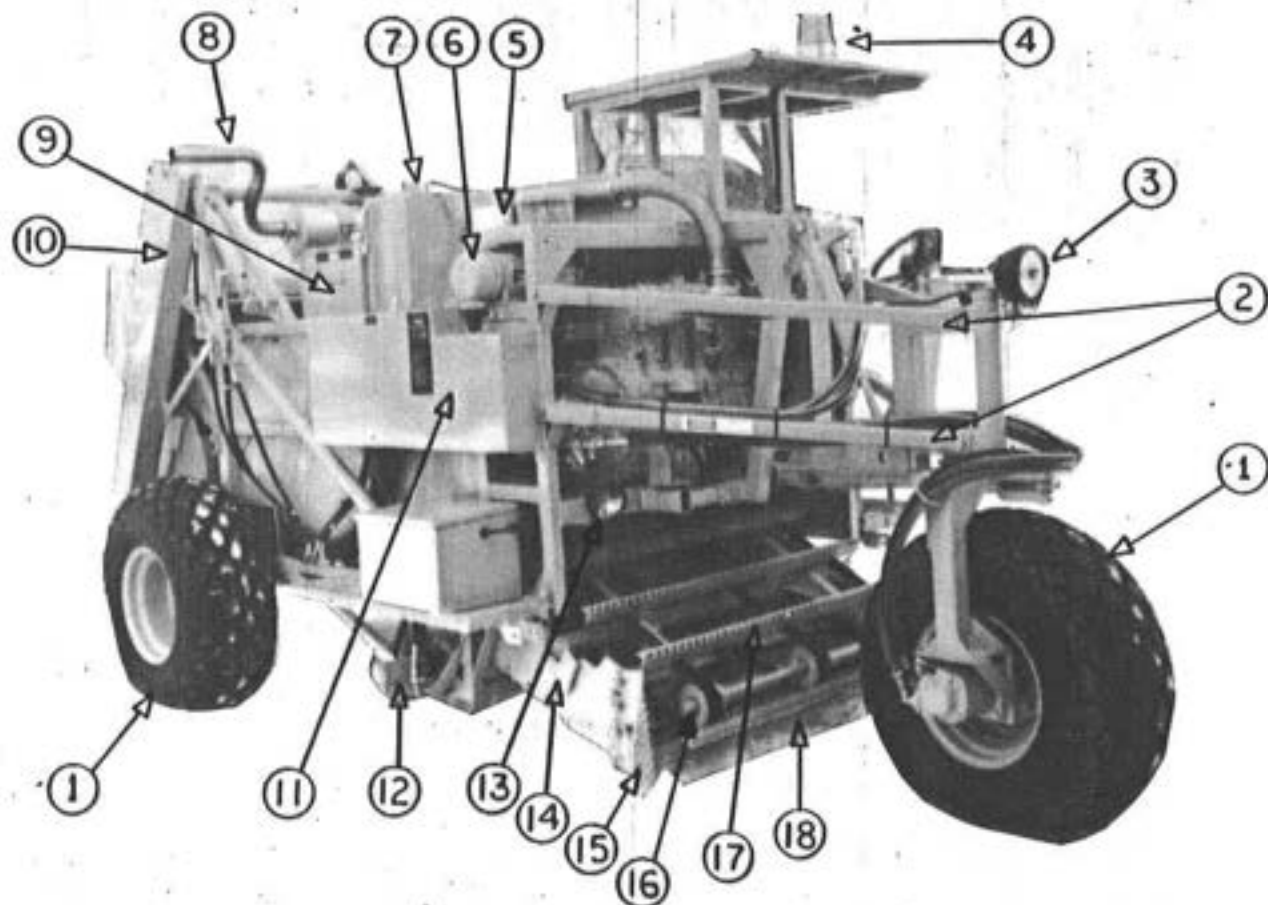
Section

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BEACHCLEANER OVERALL LEGEND

	SECTION	PART NUMBER	DESCRIPTION
1	C	*	Wheel Assembly, (Front & Right)
2	A	000587W	Front Stabilizer (Qty. 4)
		000483M	Stabilizer Spacer-3-1/4" (Qty. 2)
		000400P	Grease Zerk (Qty. 4)
3	A	000443P	Light, Head
4	A	000517P	Light, Revolving
5	A	000180P	Filter, Hydraulic (Return)
		000177P	Filter, Hydraulic-Indicator-Pressure
		000183P	Filter, Hydraulic-Replacement Element
	A	000160P	Filter, Hydraulic (Suction)
		000175P	Filter, Hydraulic-Indicator-Vacuum
		000183P	Filter, Hydraulic-Replacement Element
6	B	*	Air Cleaner
7	H	*	Oil Tank
8	B	*	Exhaust System
9	B	*	Fuel System
10	G	*	Rollover Mechanism
11	-	000158W	Manifold, Oil
	-	000226P	Valve, Priority Flow Divider
12	D	*	Oscillator Mechanism
13	A	000090P	Light, Working (Qty. 3)
14	E	*	Front Conveyor Support Assembly
15	A	002067A	Break-Away Sweep Set
16	E	*	Front Conveyor Shaft
17	E	*	Flight System
18	D	*	Screen/Digger Point System
19	A	000029P	Cylinder, Digger
		000312P	Stroke Control Set
		000396P	Seal Kit
		000646W	Mount, Digger Cylinder
20	F	*	Power Steering Components
21	-	000093P	Switch, Deadman
		000136M	Spring Button, Deadman
22	A	000170W	Platform, Flip
23	A	000597W	Seat, Adjustable
		000753W	Seat Weldment
24	A	000235P	Cylinder, Boom Hoist (Qty. 2)
		*000394P	Seal Kit UPDATED P/N: 71.P259101
26	C	*	Wheel Assembly (Left)
26	E	*	Conveyor Drive Mechanism
27	G	*	Hopper System
28	A	000518P	Alarm, Back-Up, Adj.
29	B	*	Throttle & Transmission Linkage
30	K	*	Valves and Gauges
31	A	000774A	Canopy R.O.P.S./F.O.P.S.
32	J	*	Emergency Tow Jack

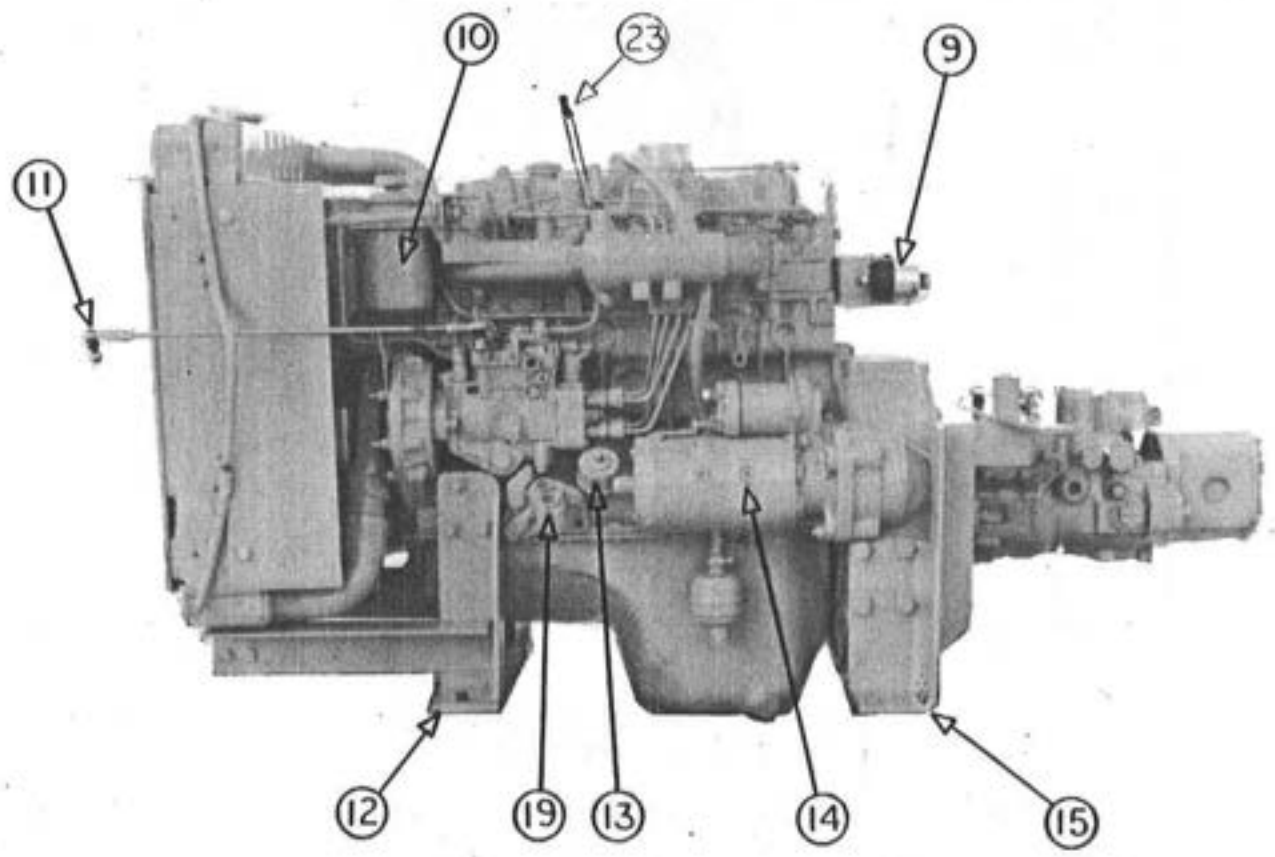
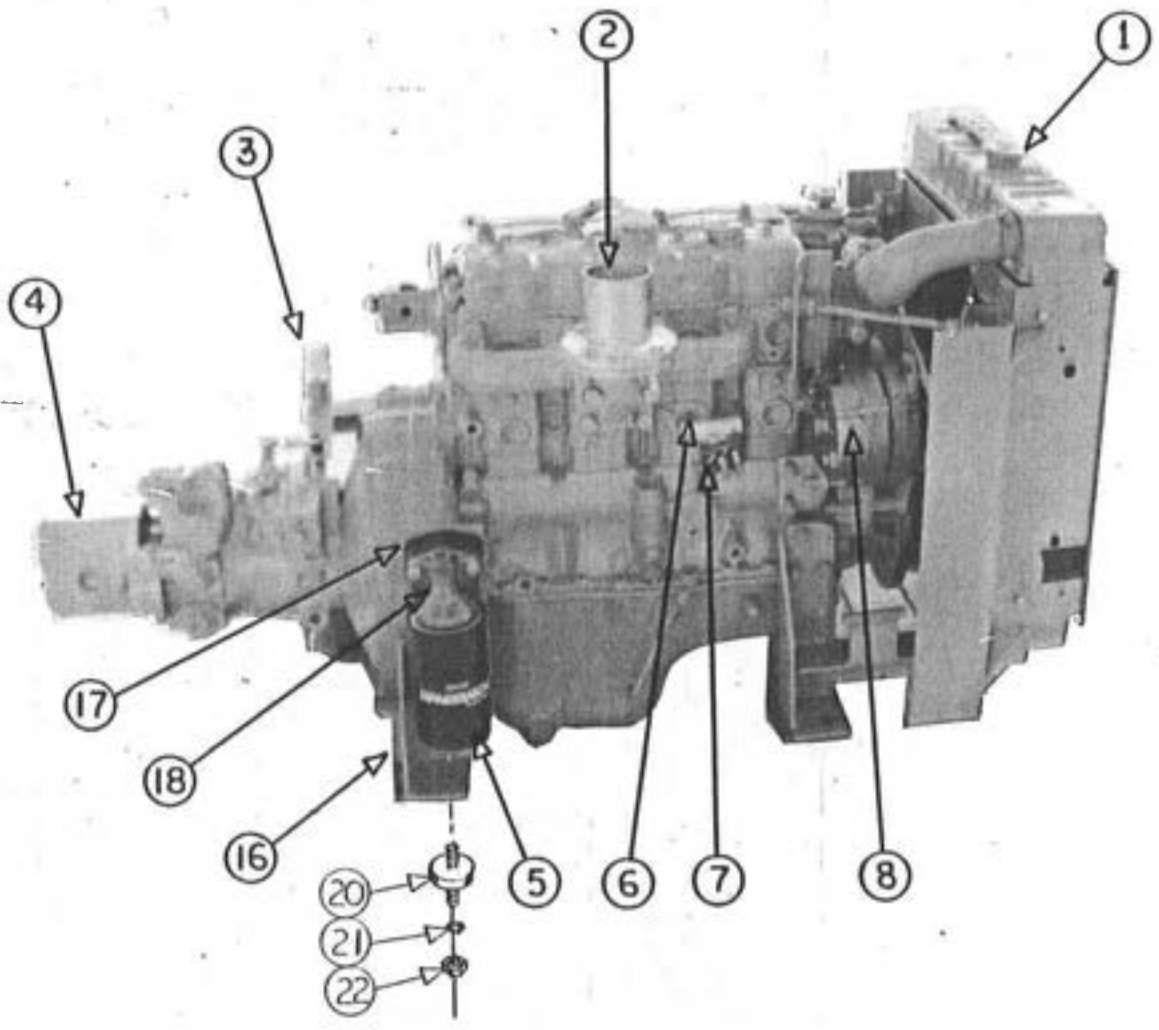
* See Parts Explosion



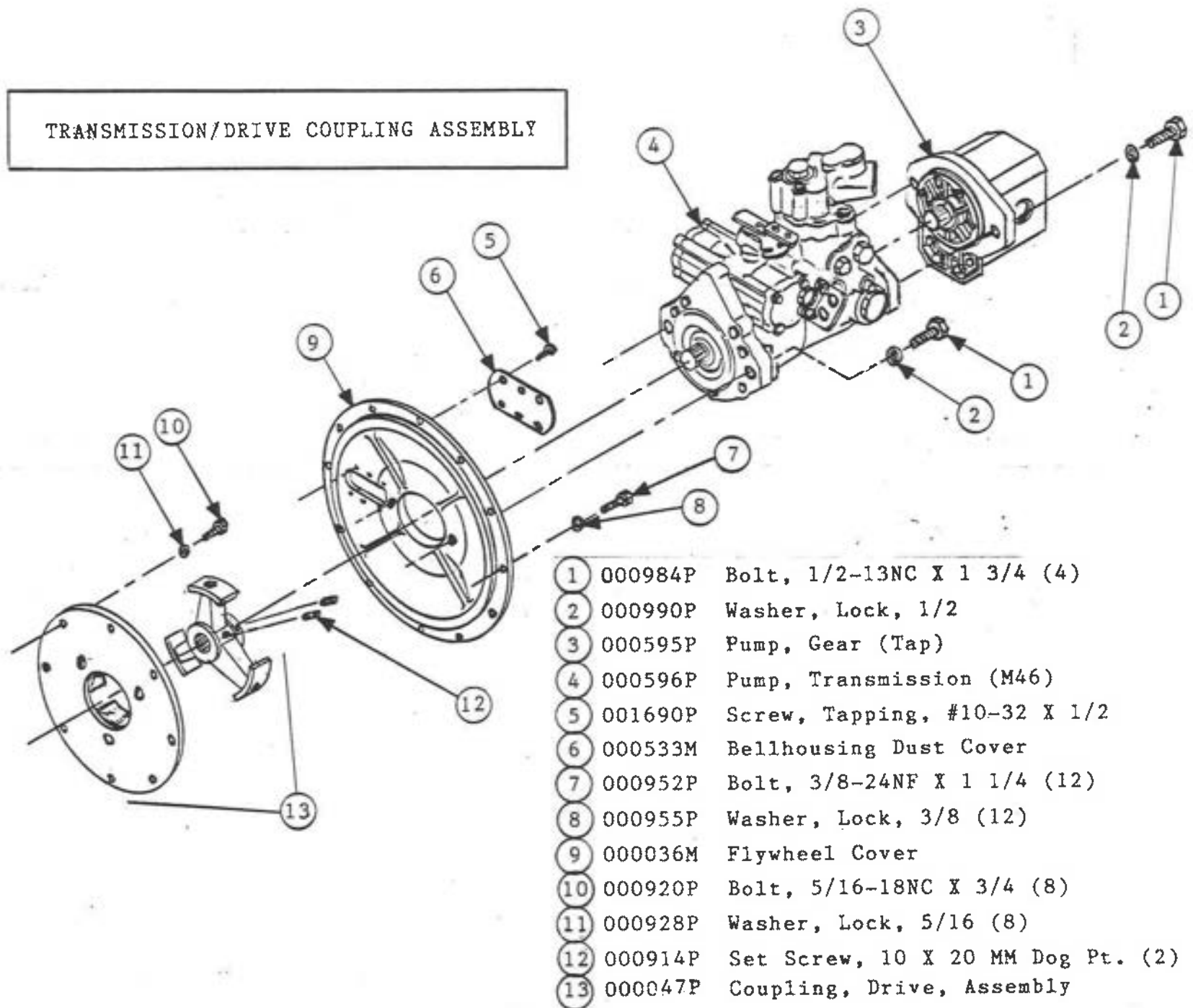
ENGINE/TRANSMISSION

	000563P	Engine, Diesel (Perkins 4.154)
(1)	*	Radiator & Components
(2)	*	Exhaust System
(3)	*	Transmission Linkage
(4)	*	Transmission/Drive Coupling Assembly
(5)	002023P	Filter, Engine Oil
(6)	000100P	Resistor, Ballast
(7)	000022P	Relay, Key Shut-Off
(8)	000509P	Alternator - 66 AMP.
(9)	000395P	Relay, Glow Plug
(10)	000727P	Filter, Fuel
(11)	*	Throttle Linkage
(12)	*	Engine Mounting Bracket
(13)	000102P 000095P	Gauge-Engine Oil Pressure Sending Unit
(14)	002106	Engine Starter Motor (4.154)
(15)	000631W	Engine Mounting Brkt.-Lt. R.
(16)	000630W 002022M	Engine Mounting Brkt.-Rt. R. Engine Oil Filter Bracket
(17)	002028P 002037P	Remote Filter Head Adapter Gasket, Remote Filter
(18)	002029P	Remote Filter Head
(19)	002027M 001410A	Remote Filter Engine Adapter Engine Oil Hose Kit
(20)	000037P	Mount, Engine (1/2" Rubber) (4)
(21)	000955P	Washer, Lock, 3/8" (8)
(22)	000953P	Nut, Lock, 3/8-16NC (8)
(23)	000099P	Battery Ground Cable - 12"

* See Parts Explosion



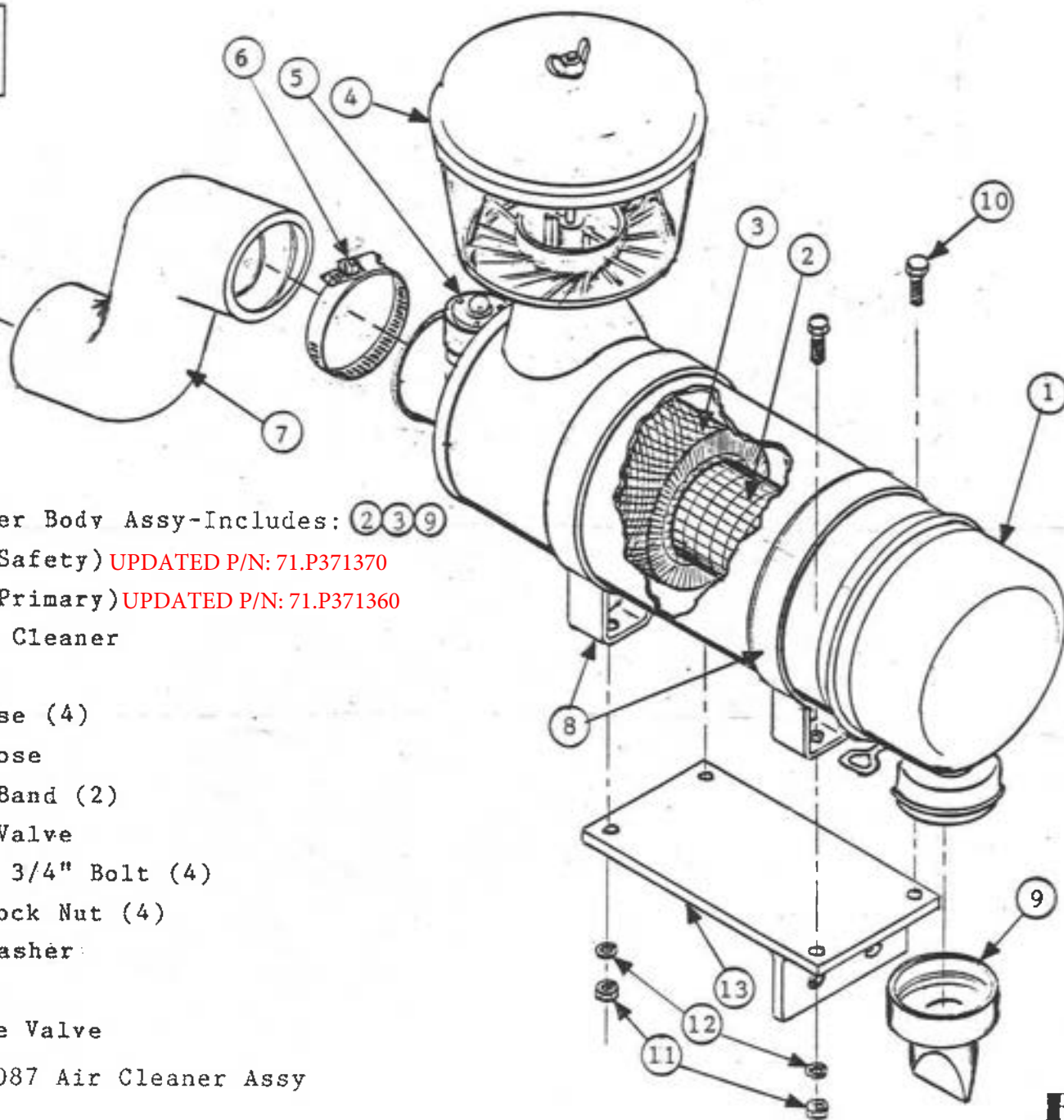
TRANSMISSION/DRIVE COUPLING ASSEMBLY

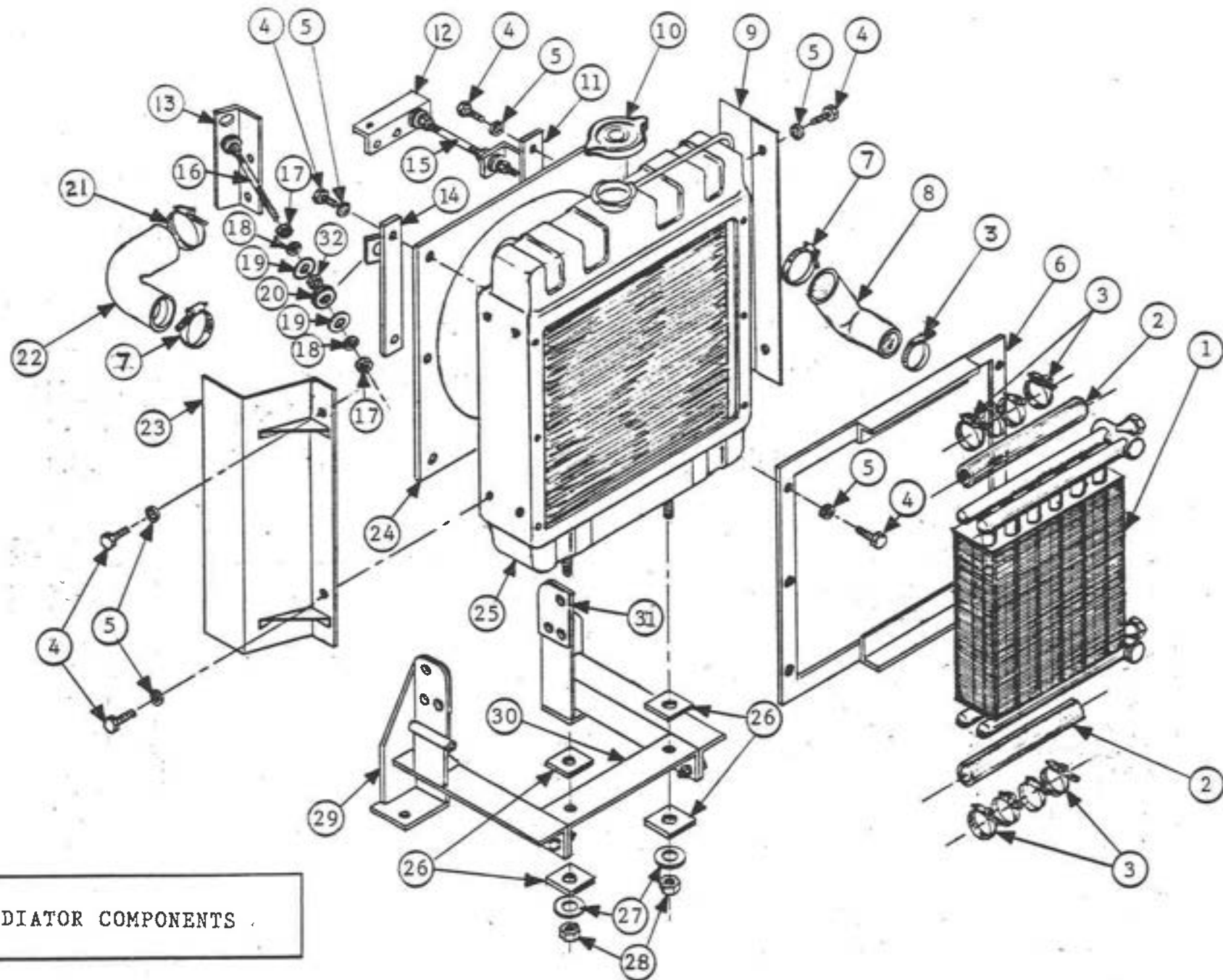


AIR CLEANER

- * 1 002251 Air Cleaner Body Assy-Includes: 2 3 9
- 2 000343P Element (Safety) UPDATED P/N: 71.P371370
- 3 000344P Element (Primary) UPDATED P/N: 71.P371360
- * 4 002252 Cap - Pre Cleaner
- * 5 000354P Indicator
- 6 000367P Clamp, Hose (4)
- 7 000580M Adapter Hose
- * 3 002250 Mounting Band (2)
- 9 000369P Vacuator Valve
- 10 000900P $\frac{1}{4}$ "-20NC X 3/4" Bolt (4)
- 11 000907P $\frac{1}{4}$ "-20NC Lock Nut (4)
- 12 000909P $\frac{1}{4}$ " Lock Washer
- 13 000582W-RA Bracket
- 14 002077 Air Intake Valve

* Parts are included in 002087 Air Cleaner Assy





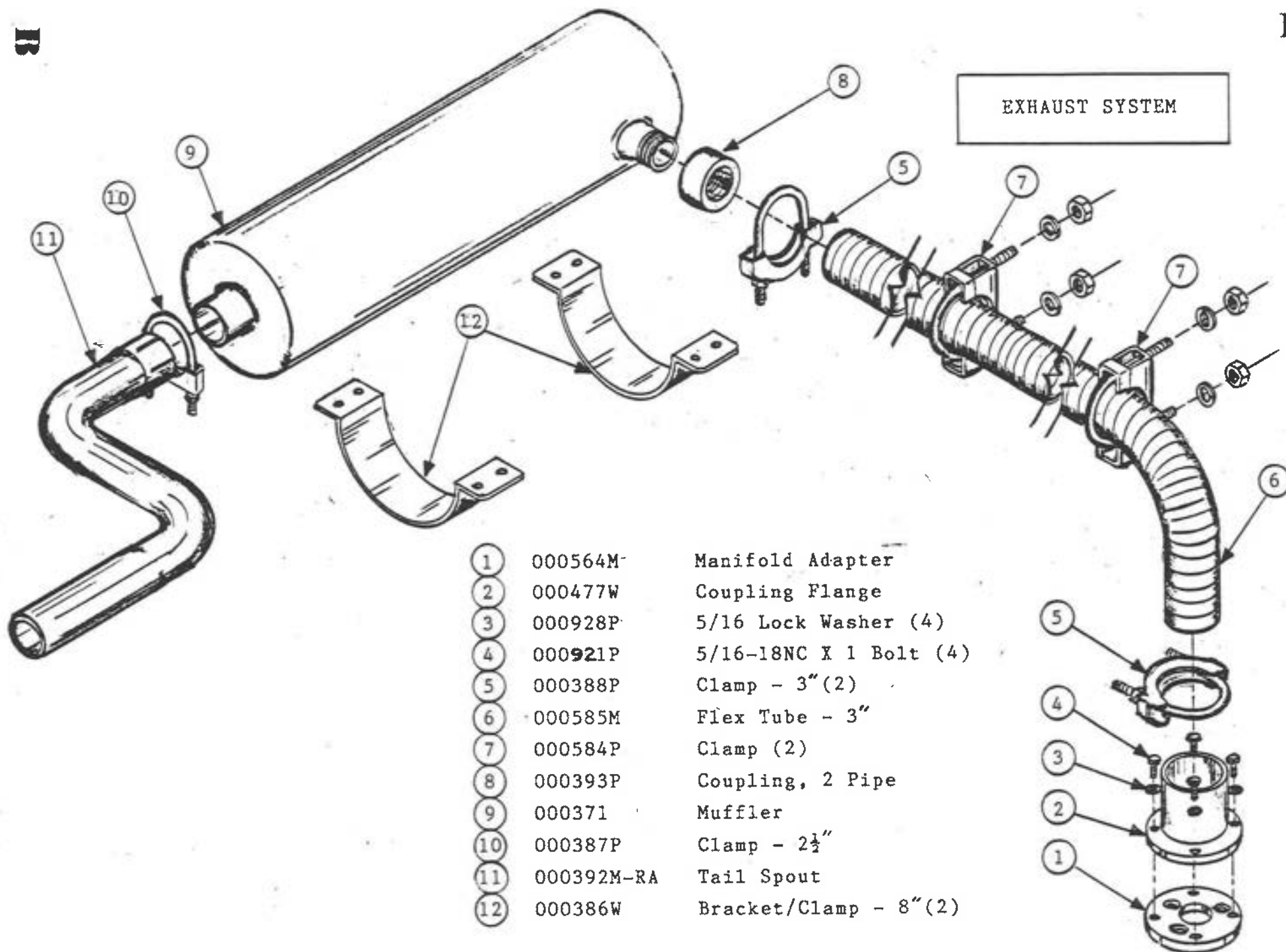
RADIATOR COMPONENTS

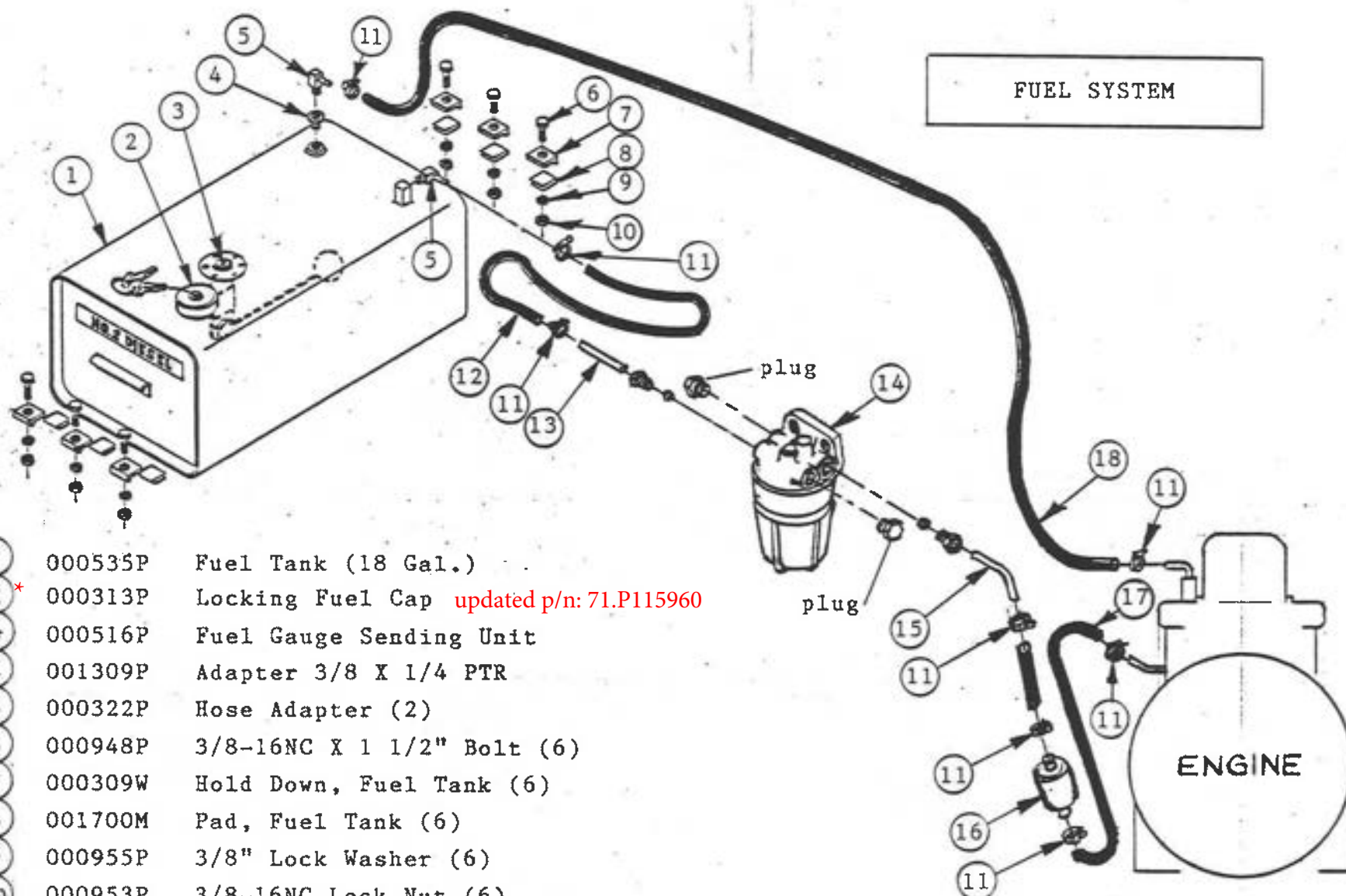
RADIATOR COMPONENTS

1	000650P	Cooler, Hydraulic Oil	17	000974P	Nut, Hex, 7/16-20NF (8)
2	000748M	Oil Cooler Shock Mt. (2)	18	000976P	Washer, Lock 7/16 (8)
3	002074P	Clamp, Hose, 1024 (9)	19	000973P	Washer, Flat, 7/16 (8)
4	000920P	Bolt, 5/16-18NC X 3/4 (16)	20	000211P	Grommet (4)
5	000928P	Washer, Lock, 5/16 (16)	21	002228P	Clamp, Hose, 1032
6	000583W	Bracket - Oil Cooler	22*	002069P	Radiator Hose, Upper
7	002075P	Clamp, Hose, 1028 (2)	23	000588P	Fan Guard - Right
8*	002070P	Radiator Hose, Lower	24	002165	Radiator Shroud
9	000589P	Fan Guard - Left	25	002080P	Radiator
10	002081P	Radiator Cap	26	000639M	Shock Mt. - Lower (4)
11	000637W	Radiator Stay Bracket-LH Rad.	27	000991P	Washer, Flat, 1/2 (2)
12	000635M	Radiator Stay Brkt.-LH Eng.	28	000988P	Nut, Lock, 1/2-13NC (2)
13	000636W	Radiator Stay Brkt.-RH Eng.	29	002032W	Eng. Mtg. Brkt.-R. Front
14	000638W	Radiator Stay Brkt.-RH Rad.	30	002033W	Radiator Mtg. Brkt.-Lower
15	000634M	Radiator Stay Rod-LH	31	002031W	Eng. Mtg. Brkt.- L. Front
16	000148M	Radiator Stay Rod-RH	32	000146M	Stay Bushing (4)

*8 002070P lower radiator hose replaced by updated p/n: 71.P269015

*22 002069P upper radiator hose replaced by updated p/n: 71.P269070



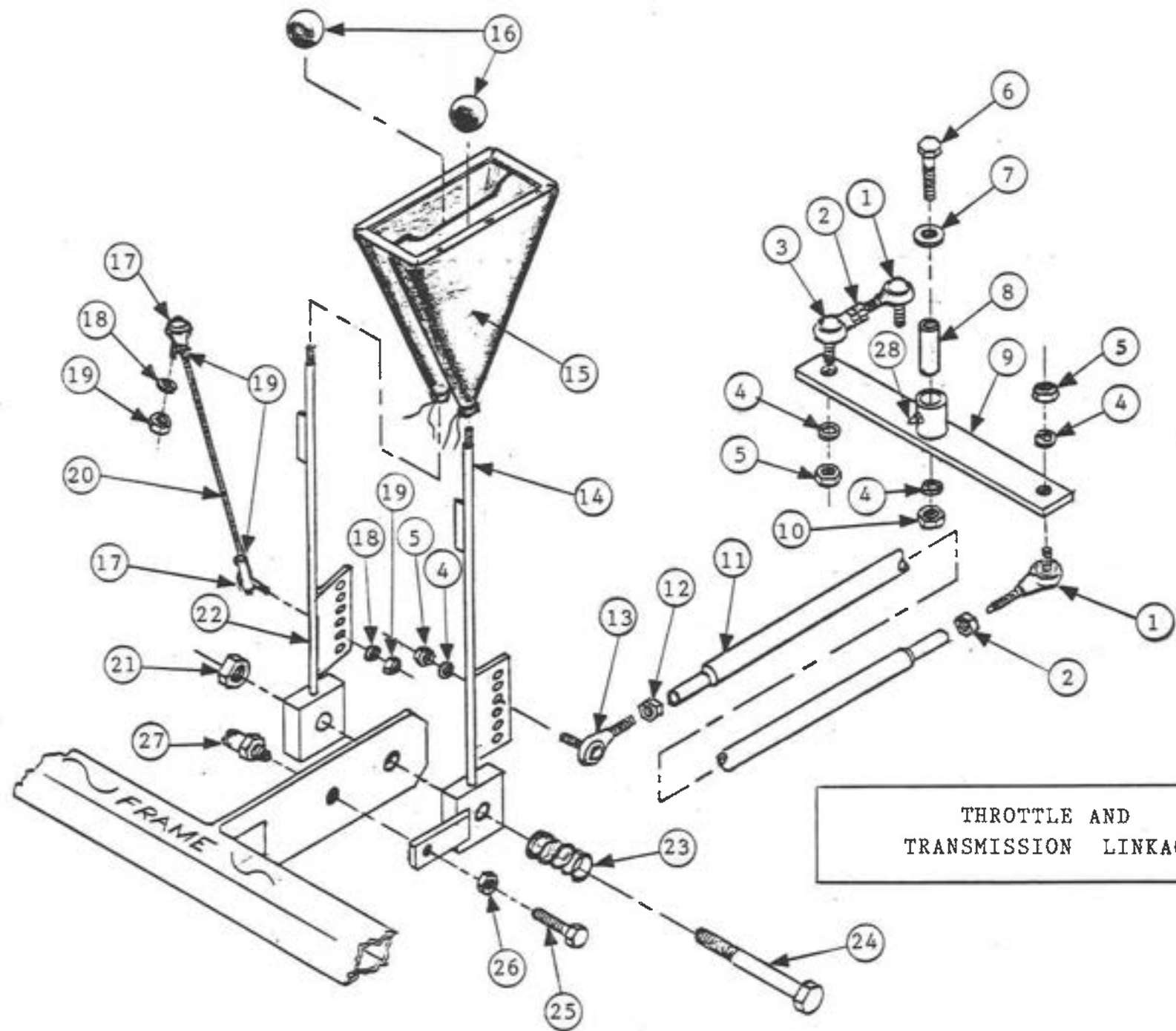


FUEL SYSTEM

ENGINE

- | | | |
|----|---------|--|
| 1 | 000535P | Fuel Tank (18 Gal.) |
| 2* | 000313P | Locking Fuel Cap updated p/n: 71.P115960 |
| 3 | 000516P | Fuel Gauge Sending Unit |
| 4 | 001309P | Adapter 3/8 X 1/4 PTR |
| 5 | 000322P | Hose Adapter (2) |
| 6 | 000948P | 3/8-16NC X 1 1/2" Bolt (6) |
| 7 | 000309W | Hold Down, Fuel Tank (6) |
| 8 | 001700M | Pad, Fuel Tank (6) |
| 9 | 000955P | 3/8" Lock Washer (6) |
| 10 | 000953P | 3/8-16NC Lock Nut (6) |
| 11 | 002071P | Hose Clamp (7) |
| 12 | 002091 | Fuel Line (Tank) |
| 13 | 002094 | Tubing, Fuel Line, Inlet |
| 14 | 000133P | Water Separator |

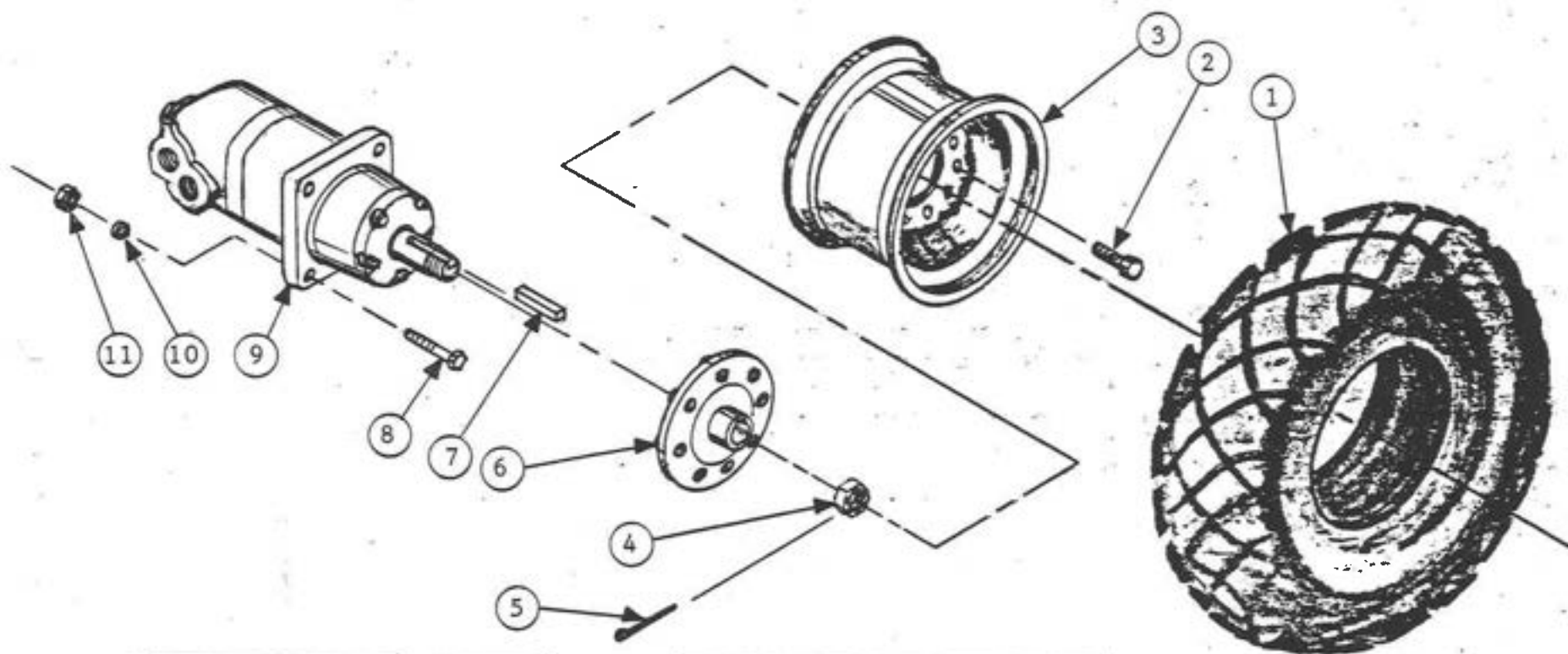
- | | | |
|----|---------|---------------------------|
| 15 | 002095 | Tubing, Fuel Line, Outlet |
| 16 | 001704P | Filter, Fuel; In Line |
| 17 | 002092 | Fuel Line (Eng.) |
| 18 | 002090 | Fuel Line (Return) |



THROTTLE AND
TRANSMISSION LINKAGE

THROTTLE AND TRANSMISSION LINKAGE

1	000202P	Ball Joint - R.H. Trans. Linkage	15	002005A	Control Boot Assembly
2	000959P	Nut, 3/8-24NF	16	000410P	Knob - Control Lever (2)
3	001701P	Ball Joint - R.H. Trans. Female End	17	000688P	Throttle Ball Joint (2)
4	000955P	Washer, Lock, 3/8 (4)	18	000928P	Washer, Lock, 5/16 (2)
5	000957P	Nut, lock, 3/8-24NF (3)	19	000793P	Nut, Hex, 5/16-24NF (4)
6	000799P	Bolt, 3/8-16NC X 3	20	001777A-1	Throttle Linkage Rod
7	001688P	Washer, Fender, 3/8	21	000932P	Nut, Lock 5/8-11NC
8	000734M	Spacer, Trans. Pivot	22	001776W	Throttle Lever
9	000733W	Pivot - Transmission Linkage	23	000137P	Control Lever Tension Spring
10	000953P	Nut, Lock, 3/8-16NC	24	000998P	Bolt, 5/8-11NC X 4½
11	000593W	Linkage Rod, Transmission	25	001687P	Bolt, 5/16-18NC X 1½ to HD.
12	000958P	Nut - Left Hand 3/8-24NF	26	000927P	Nut, Hex, 5/16-18NC
13	000201P	Ball Joint - L.H., Trans. Linkage	27	000092P	Neutral Safety Switch
14	000591W	Transmission Lever	28	000779P	Grease Zerk, 1/4-28NF



FRONT WHEEL ASSEMBLY

AND

RIGHT WHEEL ASSEMBLY

①	000043P	Tire	⑦	000497M	Key-Wheel Motor
②	000943P	Wheel Bolt (8)	⑧	000985P	Bolt, 1/2-13NC X 2 (4)
③	002148	Rim	⑨	002118	*Motor, Wheel-6000 Series
④	000020M	Nut, Slotted-Wheel Motor	⑩	000990P	Lock Washer, 1/2 (4)
⑤	000970P	Cotter Pin, 1/8 X 2	⑪	000988P	Lock Nut, 1/2-13NC (4)
⑥	000460W	Wheel Hub			
				*000082P	Seal Kit, Rear UPDATED P/N: 71.P354601
				000081P	Seal Kit, Shaft UPDATED P/N: P354602
					71.P354603 SHAFT SEAL GUARD

LEFT WHEEL ASSEMBLY

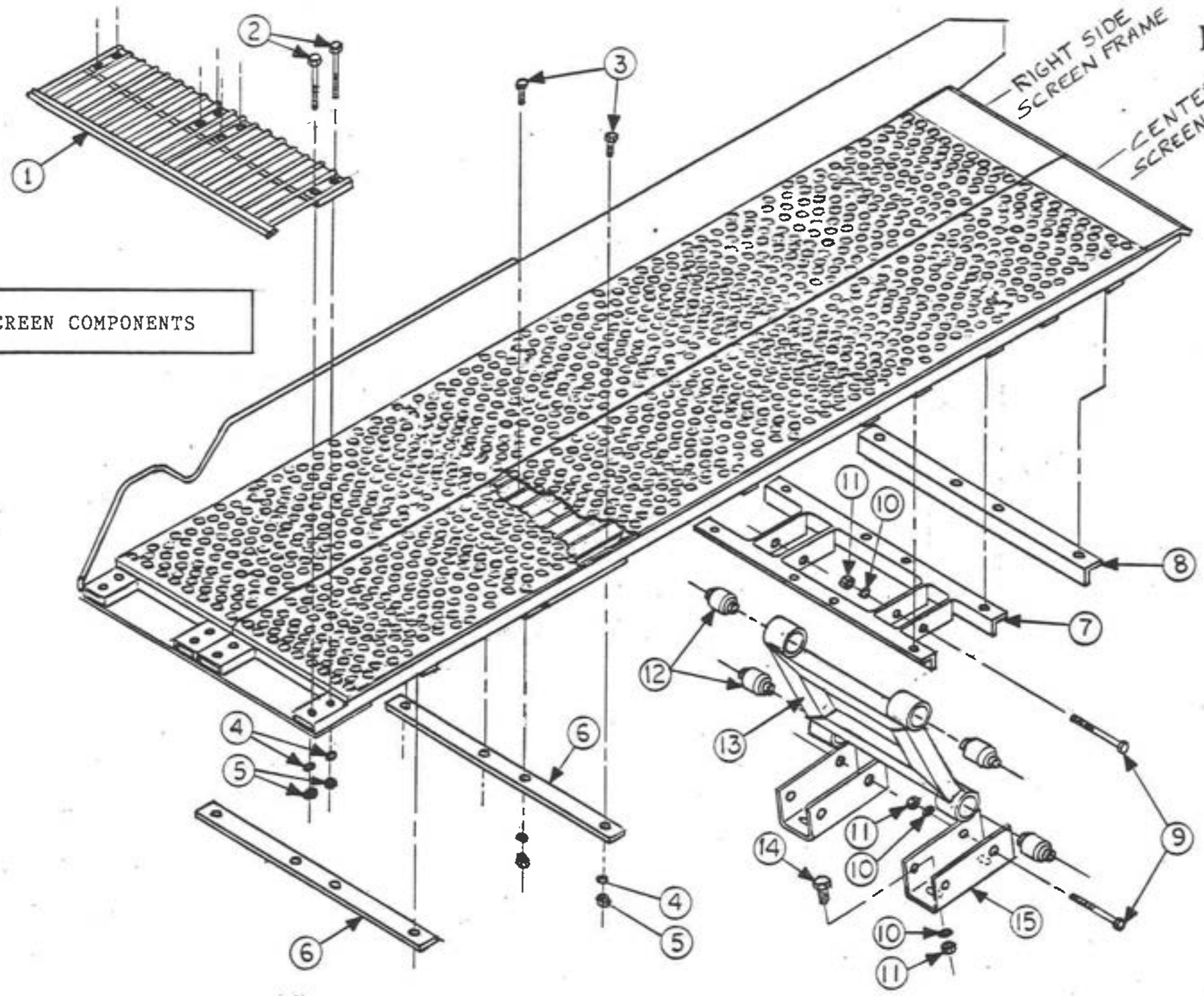
1	000508W	Wheel Extension - Horizontal Brace
2	000506W	Wheel Extension
3	000991P	1/2" Flat Washer (12)
4	000990P	1/2" Lock Washer (24)
5	000982P	1/2"-13 NC X 1 1/2" (12)
6	000507W	Wheel Extension - Vertical Brace
7	000934P	5/8"-11 NC Jam Nut (2)
8	000301W	Bolt, Wheel Motor Adjustment (2)
9	002118	*Motor, Wheel (6000 Series)
10	000497M	Key - Wheel Motor
11	000988P	1/2"-13 NC Lock Nut (12)
12	000985P	1/2"-13 NC X 2" Bolt (8)
13	000992P	1/2"-13 NC X 2" Plow Bolt (4)
14	000463M	Plate, Sliding, Adj. Wheel Motor Mount
15	000460W	Wheel Hub (8 Hole)
16	000943P	Wheel Stud Bolt (8)
17	000020M	Nut, Wheel - 6000 Series
18	000970P	1/8" X 2" Cotter Pin
19	002148	Rim
20	000043P	Tire
	*000082P	Seal Kit, Rear UPDATED P/N: 71.P354601
	000081P	Seal Kit, Shaft UPDATED P/N: 71.P354602
	71.P354603	SHAFT SEAL GUARD

D

D

SCREEN COMPONENTS

RIGHT SIDE
SCREEN FRAME
CENTER
SCREEN FRAME

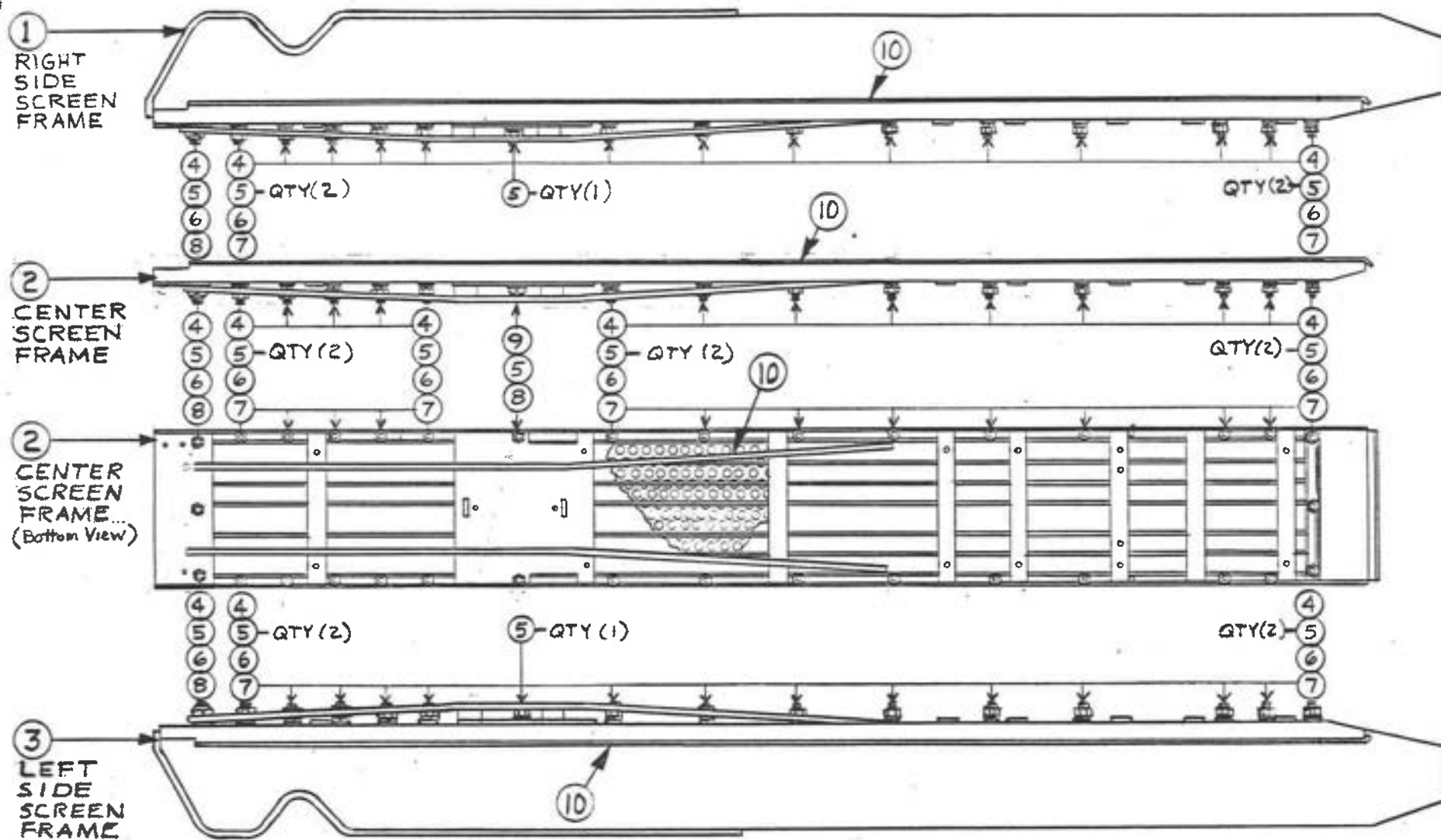


SCREEN COMPONENTS

(Typical For Left/Center and Right/Center Screen Frames)

- | | | |
|----|---------|----------------------------------|
| ①* | 000304W | Digger Point |
| ② | 000950P | Bolt, 3/8-16NC X 2-1/4 (8) |
| ③ | 000947P | Bolt, 3/8-16NC X 1-1/4 (20) |
| ④ | 000955P | Washer, Lock, 3/8 (28) |
| ⑤ | 000953P | Nut, Lock, 3/8-16NC (28) |
| ⑥ | 000063M | Screen Tie, Flat (2) |
| ⑦ | 002050 | Bracket, Rear Screen, Screen |
| ⑧ | 000064M | Screen Tie, Angle |
| ⑨ | 000987P | Bolt, 1/2-13NC X 4 (4) |
| ⑩ | 000990P | Washer, Lock, 1/2 (8) |
| ⑪ | 000988P | Nut, Lock, 1/2-13NC (8) |
| ⑫ | 002057P | Bushing, Rubber (4) |
| ⑬ | 002051 | Bracket, Rear Screen, Spacer |
| ⑭ | 000982P | Bolt, 1/2-13NC X 1-1/4 (4) |
| ⑮ | 002134 | Bracket, Clevis, Rear Screen (2) |

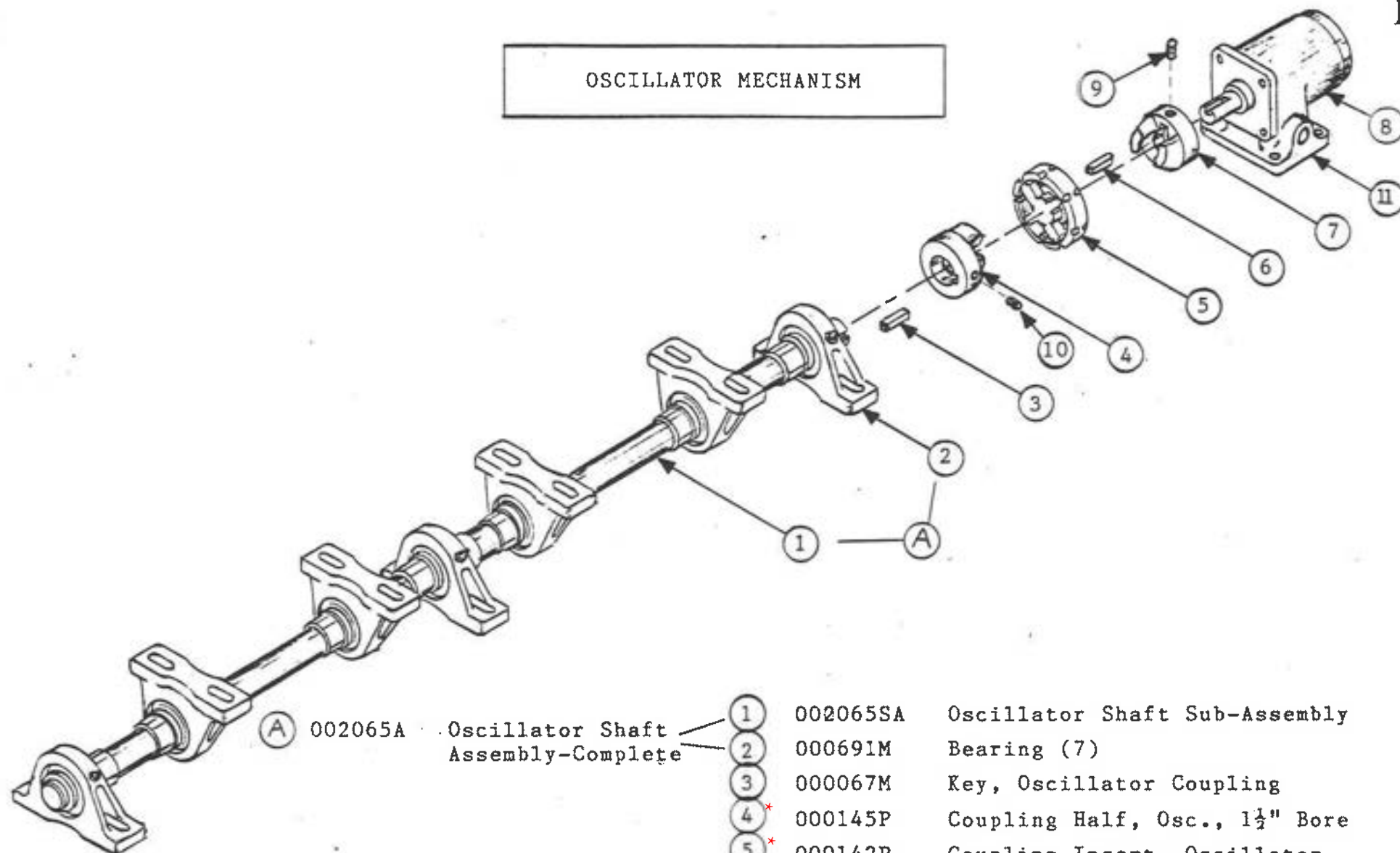
*OPTIONAL SOLID DIGGER POINT P/N 71.000330W QTY 2 REQD



SCREEN INSTALLATION

			Hardware Qty's		
			1	2	3
1	000603W	Screen Frame, Right			
2	000662W	Screen Frame, Center (2)			
3	000602W	Screen Frame, Left			
4	000913P	Bolt, Plow, 3/8-16NC X 2-3/4	34	32	34
5	000961P	Washer, Flat, 3/8	63	63	63
6	000955P	Washer, Lock, 3/8	34	32	34
7	000960P	Nut, Hex, 3/8-16NC	31	29	31
8	000953P	Nut, Lock, 3/8-16NC	3	5	3
9	000892M	Bolt, Plow, 3/8-16NC X 2-3/8	—	2	—
10	000055M	Screen - 7 ga. (3/4" Holes)			

OSCILLATOR MECHANISM

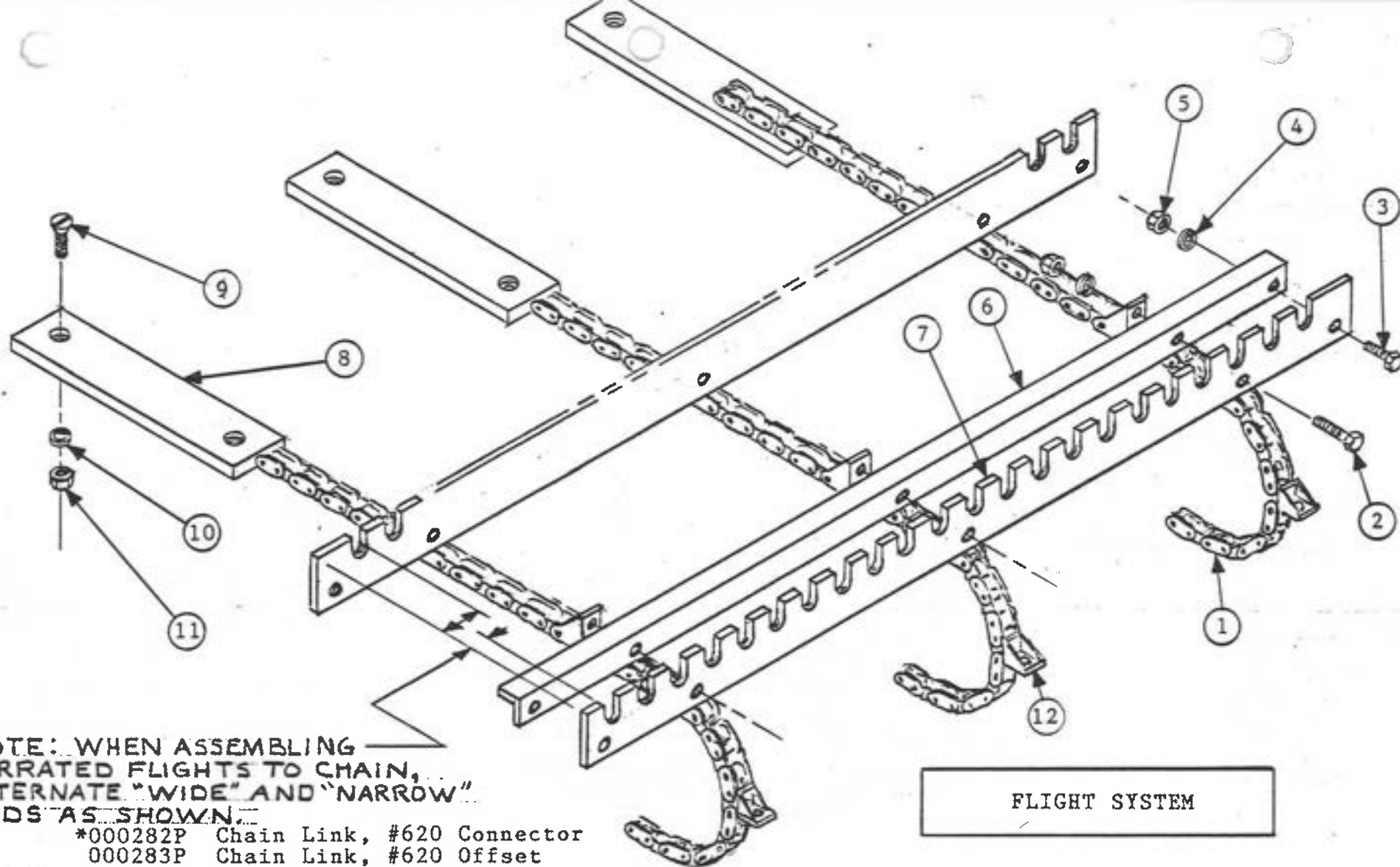


(A) 002065A

Oscillator Shaft
Assembly-Complete

(1)	002065SA	Oscillator Shaft Sub-Assembly
(2)	000691M	Bearing (7)
(3)	000067M	Key, Oscillator Coupling
(4)*	000145P	Coupling Half, Osc., 1½" Bore
(5)*	000142P	Coupling Insert, Oscillator
(6)	000057P	Key, Oscillator Motor
(7)*	000140P	Coupling Half, Osc., 1" Bore
(8)	000246P-B	Motor, Oscillator
(9)	000968P	Set Screw, 7/16-16NC X 3/4"
(10)	000966P	Set Screw, 7/16-14NC X ½"
(11)	000255P	Base Block - "H" Motor

* 71.P272900 COMPLETE COUPLER ASSEMBLY (INCLUDES #4, #5, #7 AND SET SCREWS)



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

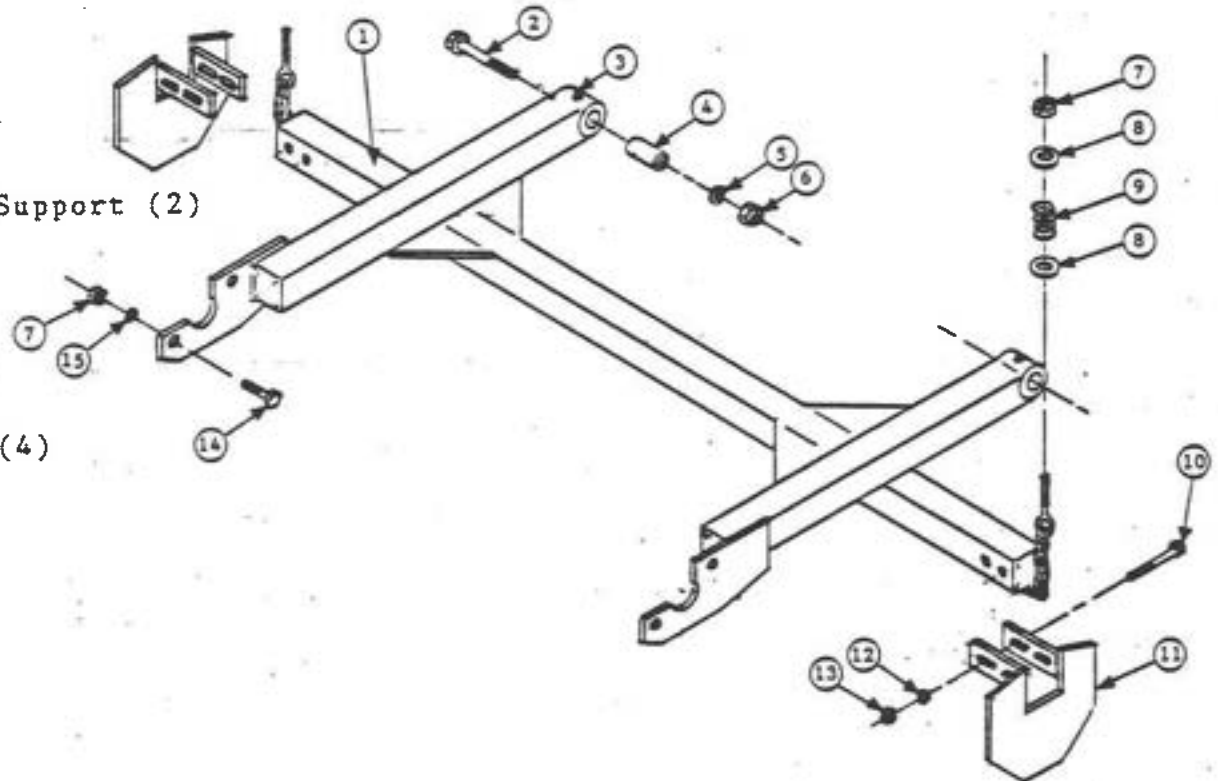
*000282P Chain Link, #620 Connector
000283P Chain Link, #620 Offset

①	*000285M	Chain, #620 Conveyor (3)*SEE NOTE BELOW	⑦	000052M	Flight Blade (26)
②	000947P	Bolt, 3/8-16NC X 1 1/4 (78)	⑧	000271M	Wear Strip, Conveyor (6)
③	000946P	Bolt, 3/8-16NC X 1 (52)	⑨	000924P	Bolt, 5/16 X 1 Flat Hd. (12)
④	000955P	Washer, Lock, 3/8 (130)	⑩	000928P	Washer, Lock, 5/16 (12)
⑤	000953P	Nut, Lock, 3/8-16NC (130)	⑪	000926P	Nut, Lock, 5/16-18NC (12)
⑥	000053M	Flight Mounting Angle (26)	⑫	000291P	Chain Link Attachment

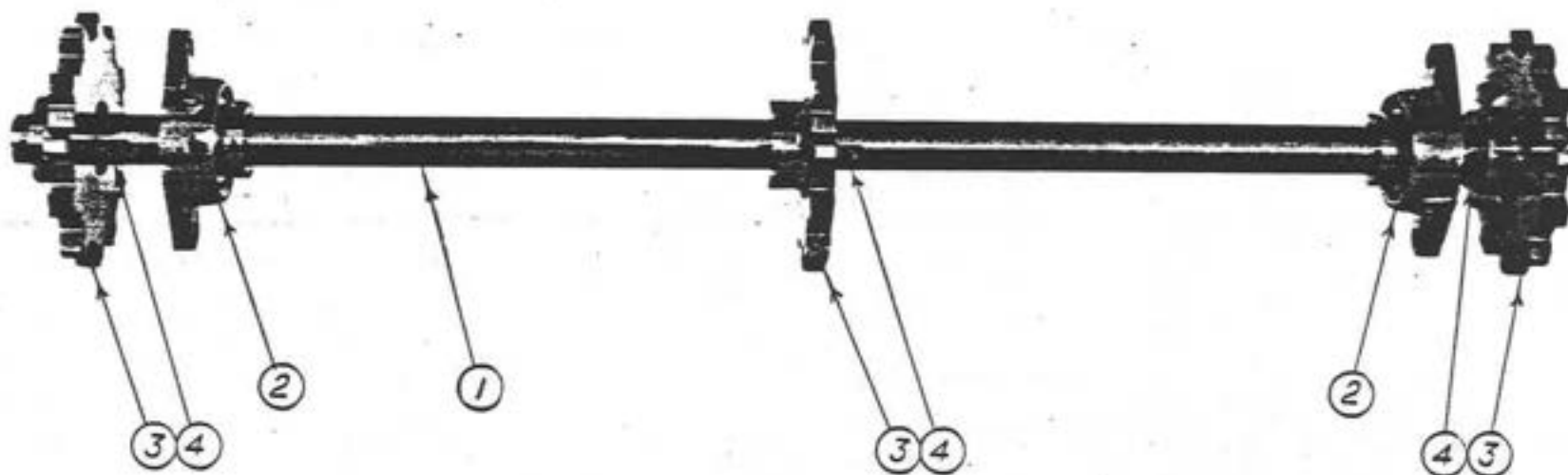
* UPDATED CONVEYOR CHAIN #620 - 26 CLEATS P/N: 71.P632820

FRONT CONVEYOR SUPPORT ASSEMBLY

- 1 000493W Front Conveyor Support
- 2 000997P Bolt, 5/8-11NC X 4 Grd. 8 (2)
- 3 000400P Grease Fitting (2)
- 4 000026M Spacer, Stabilizer (2-1/16") (2)
- 5 000935P Lock Washer, 5/8" (2)
- 6 000932P Lock Nut, 5/8-11NC (2)
- 7 000988P Lock Nut, 1/2-13NC (6)
- 8 000991P Flat Washer, 1/2" (4)
- 9 000676P Spring, Front Conveyor Support (2)
- 10 000799P Bolt, 3/8-16NC X 3 (4)
- 11 000704W Spill Plate (2)
- 12 000955P Lock Washer, 3/8" (4)
- 13 000953P Lock Nut, 3/8-16NC (4)
- 14 000984P Bolt, 1/2-13NC X 1-3/4 (4)
- 15 000990P Lock Washer, 1/2" (4)



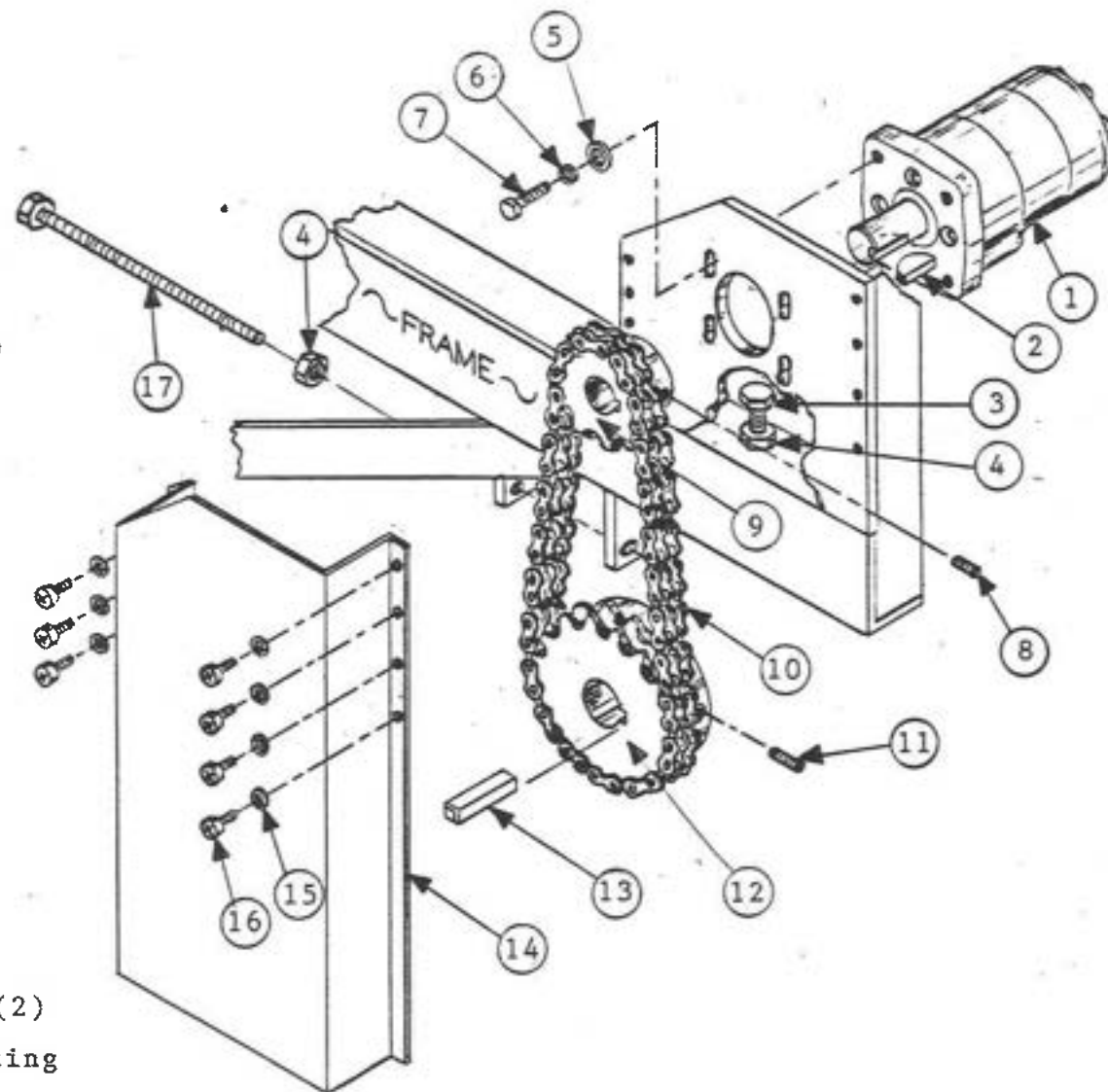
FRONT CONVEYOR SHAFT ASSEMBLY



①	000272A	Front Conveyor Shaft Assembly - Complete
②	000272M	Front Conveyor Shaft
③	000277P	Front Conveyor Shaft Bearing
④	000257W	Front Conveyor Sprocket
	000328M	Key - Conveyor Shaft

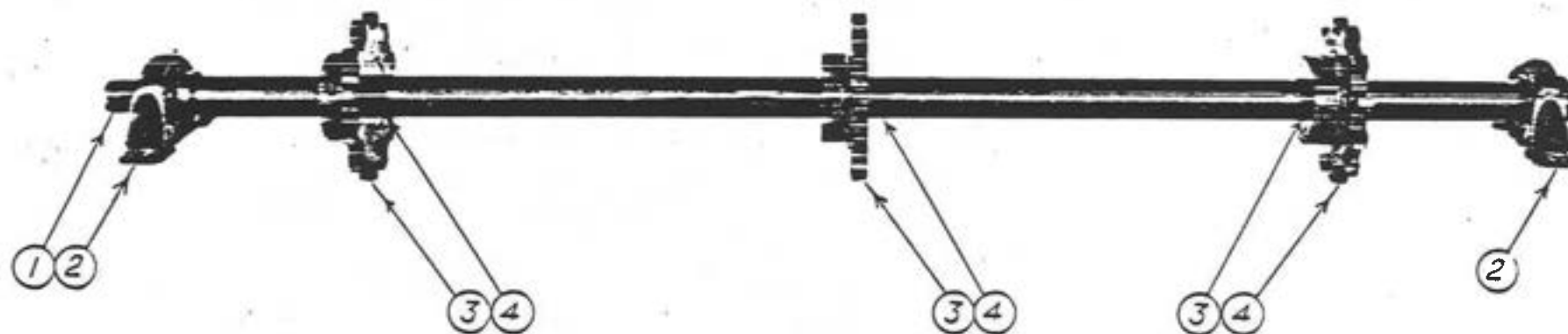


CONVEYOR DRIVE
MECHANISM



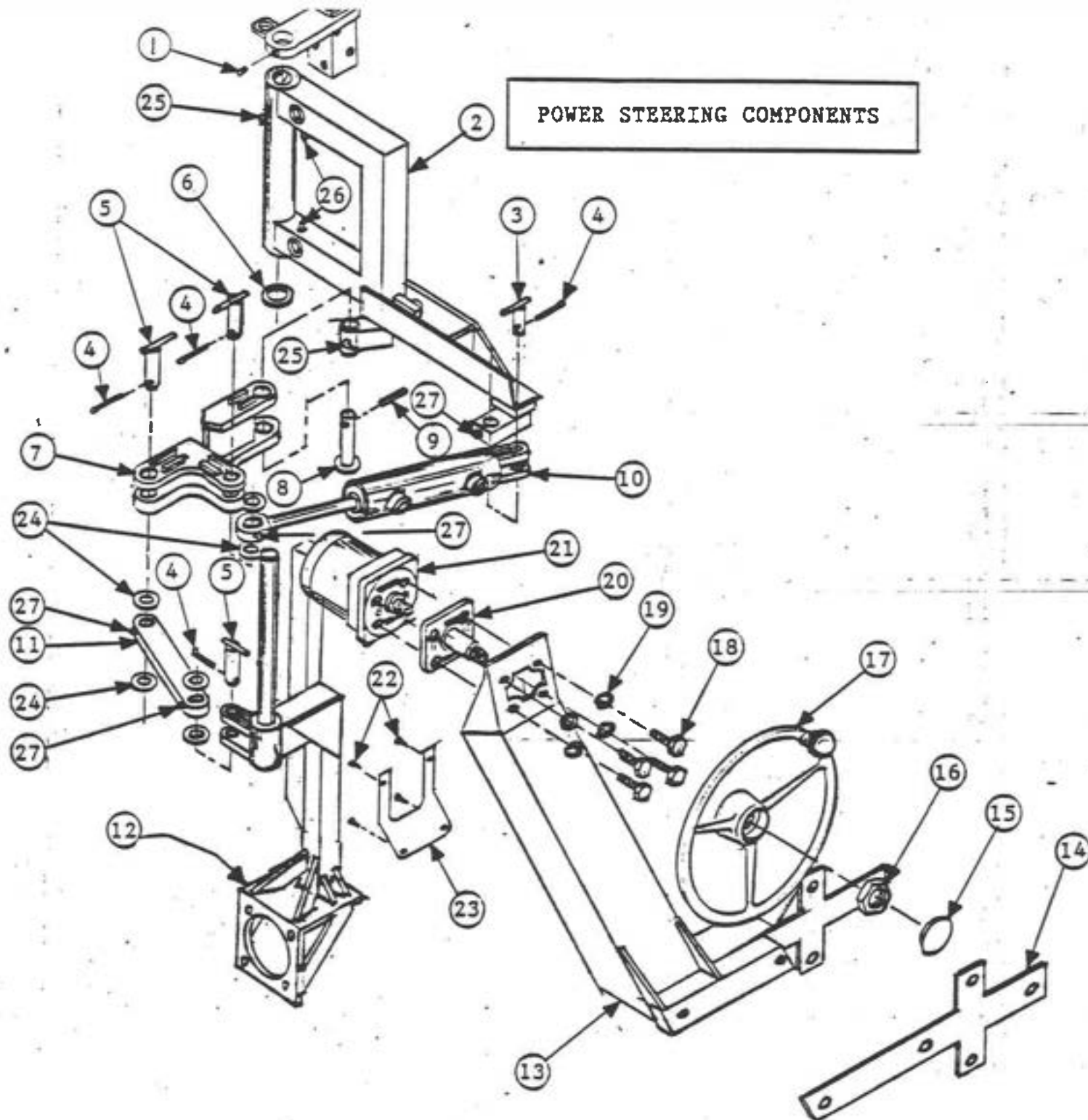
- 1 000510P Conveyor Motor
- 2 000057P Key - Conveyor Motor
- 3 000985P Motor Adj. Bolt $\frac{1}{2}$ "-13NC X 2"
- 4 000989P Nut - $\frac{1}{2}$ " - 13NC (3)
- 5 000956P $\frac{3}{8}$ " Flat Washer (4)
- 6 000955P $\frac{3}{8}$ " Lock Washer (4)
- 7 000946P $\frac{3}{8}$ "-16NC X 1" Bolt (4)
- 8 000964P Set Screw $\frac{3}{8}$ "-16NC X $\frac{3}{8}$ "
- 9 000511M Conveyor Drive Sprocket
- 10 *000504M #50 Double Drive Chain
- 11 000965P Set Screw $\frac{3}{8}$ "-16NC X $\frac{3}{4}$ "
- 12 000512M Conveyor Sprocket - Driven
- 13 000534M Key - Conv. Sprocket Driven
- 14 000716W Conv. Motor Chain Guard
- 15 000917P $\frac{3}{16}$ " Lock Washer (7)
- 16 001690P Screw, Tapping #10-32 X $\frac{1}{2}$ "
- 17 000374W Rear Conv. Shaft Adj. Bolt (2)
- *000964P Chain Link, #50 Db1. Connecting
- 000763P Chain Link, #50 Db1. Offset

REAR CONVEYOR SHAFT ASSEMBLY



000454A	Rear Conveyor Shaft Assembly - Complete
① 000454M	Rear Conveyor Shaft (1 3/4")
② 000279P	Bearing, Rear Conveyor (2)
③ 000324W	Rear Conveyor Sprocket (3)
④ 000328M	Key - Conveyor Shaft (3)

POWER STEERING COMPONENTS

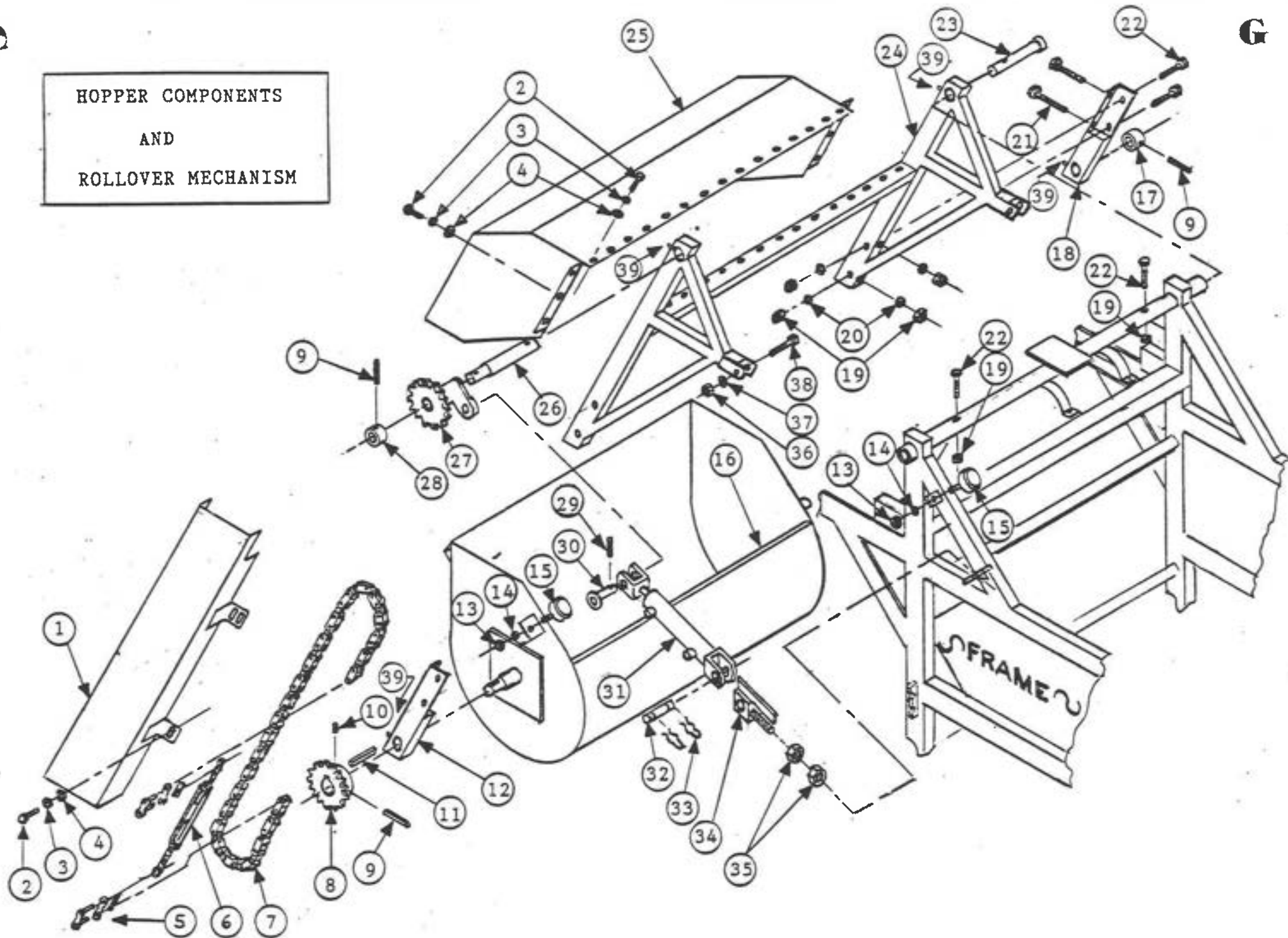


POWER STEERING COMPONENTS

①	000960P	Set Screw, 7/16-14NC X ½	⑭	000684W	Steering Post Retainer
②	000555W	Spindle Column	⑮	000058P	Steering Wheel Cap
③	000561W	P.S. Cylinder Base Pin	⑯	000111P	Steering Wheel Nut
④	001689P	Cotter Pin-3/16 X 2	⑰	000110P	Steering Wheel
⑤	000556W	P.S. Clevis Pin	⑱	000946P	3/8-16NC X 1 Bolt (4)
⑥	000006M	Front Fork Washer (2")	⑲	000955P	3/8 Lockwasher
⑦	000551W	P.S. Radius Arm	⑳	000108P	Steering Column
⑧	000126W	Pin-P.S. Radius Arm	㉑	000125P	Power Steering Motor
⑨	000972P	Pin-Spring 3/8 X 2	㉒	001690P	#10-32 X 1/2 Tapping Screw
⑩	000562A	P.S. Cylinder Assy.	㉓	000706M	Steering Post Shield
	*000562P	Seal Kit, P.S. Cyl.	㉔	002163P	Shim Washer (6)
⑪	000554M	P.S. Linkage Bar	㉕	000780P	Grease Zerk, 90°
⑫	002206	Front Fork	㉖	000402P	Grease Zerk, 1-3/4 OAL
⑬	000601W	Steering Post	㉗	000779P	Grease Zerk, 1/4-28NF

*000562P SEAL KIT UPDATED P/N: 71.P259901

HOPPER COMPONENTS
AND
ROLLOVER MECHANISM

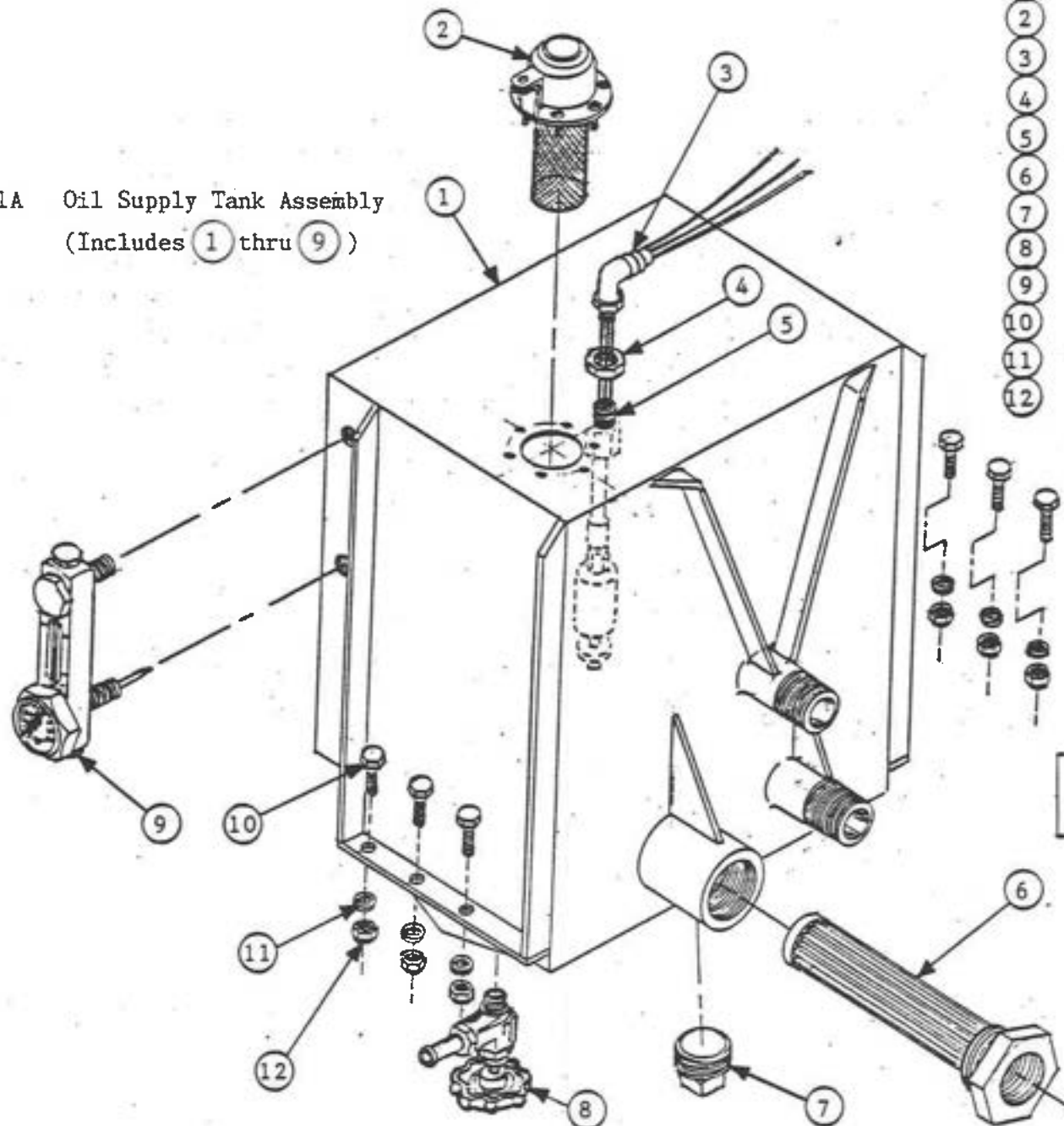


HOPPER COMPONENTS AND ROLLOVER MECHANISM
--

1	000423W	Roll-Over Chain Guard	20	000990P	Washer, Lock, $\frac{1}{2}$ (8)
2	000900P	Bolt, $\frac{1}{2}$ -20NC X 3/4 (28)	21	000987P	Bolt, $\frac{1}{2}$ -13NC X 4 (4)
3	000909P	Washer, Lock, $\frac{1}{2}$ (28)	22	000986P	Bolt, $\frac{1}{2}$ -13NC X 3 (6)
4	000910P	Washer, Flat, $\frac{1}{2}$ (28)	23	000243W	Boom Swivel - L.H.
5	000284P	Chain Link, #80 Connector (2)	24	000431W	Boom Weldment
6	000268A	Turnbuckle, Rollover Hopper	25	000124W	Hopper Hood
7	000266M	Chain, #80, Rollover Hopper	26	000292M	Boom Swivel - R.H.
8	000267W	Sprocket, Hopper - Driven 16T	27	000256W	Hopper Crank
9	000971P	Pin, Spring, 3/8 X 2 $\frac{1}{2}$ (3)	28	000274M	Collar, Retaining, Hopper Crank
10	000792P	Set Screw, 3/8-16NC X $\frac{1}{2}$	29	000972P	Pin, Spring 3/8 X 2
11	000069M	Key, Hopper Sprocket	30	000550W	Pin, Rollover Cylinder
12	000432W	Boom Arm, Right	31	*000237P	Cylinder - Hopper
13	000953P	Nut, Lock, 3/8-16NC (2)	32	000359P	Pin, Clevis
14	000955P	Washer, Lock, 3/8 (2)	33	000349P	Clip, Clevis Pin (2)
15	000358M	Stop, Rubber (2)	34	000240W	Adj. Base, Hopper Cylinder
16	000238W	Hopper (Roll-Over)	35	000939P	Nut, Hex, 3/4-10NC (2)
17	000365M	Collar, Retaining, Hopper	36	000932P	Nut, Lock, 5/8-11NC (2)
18	000232W	Boom Arm, Left	37	000935P	Washer, Lock, 5/8 (2)
19	000988P	Nut, Lock, $\frac{1}{2}$ -13NC (10)	38	000366M	Pin, Clevis (5/8" Bolt) (2)
			39	000401P	Grease Zerk (1-1/4" OAL) (4)
				*000397P	Seal Kit, Hopper Cyl.

*000397 SEAL KIT UPDATED P/N: 71.P259090

001721A Oil Supply Tank Assembly
(Includes 1 thru 9)



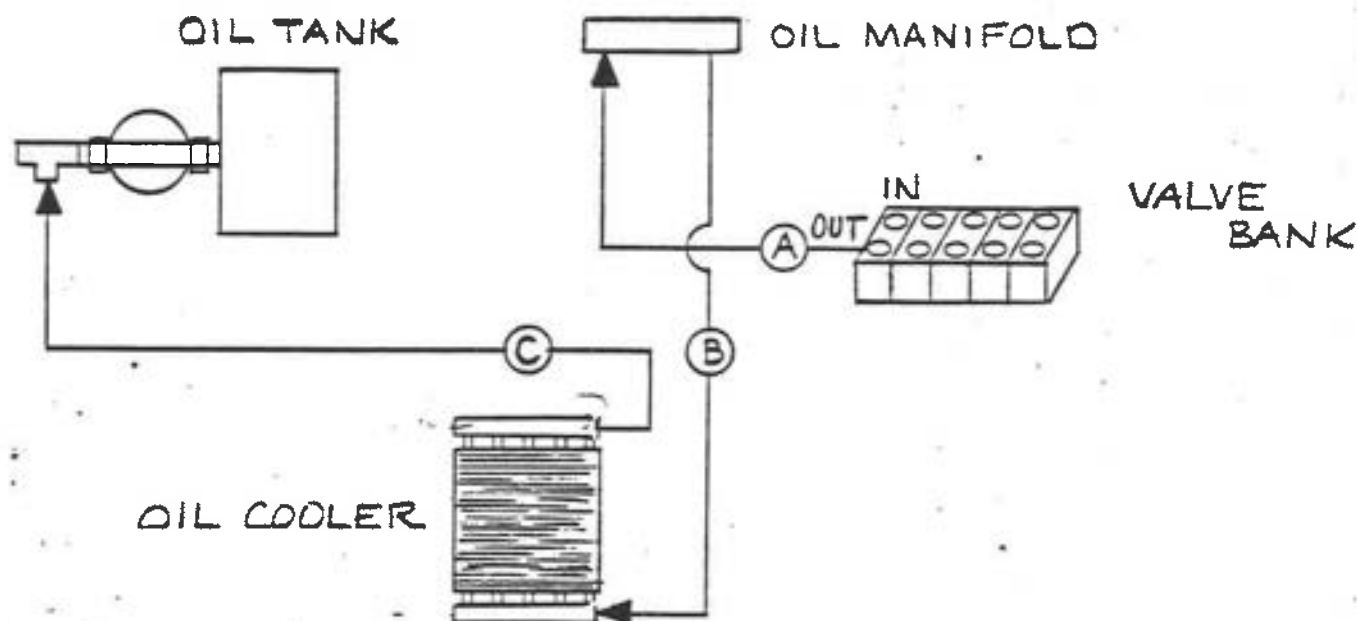
1	001721W	Oil Supply Tank
2	000174P	Filter/Breather
3	000683P	Plastic Elbow
4	000788P	Nut, Jam 3/4-16NF
5	001784A	Sending Unit Assembly
6	000184P	Strainer
7	000059P	Magnetic Drain Plug
8	000109P	Valve-Oil Tank Drain
9	000176P	Gauge-Oil Sight
10	000947P	Bolt, 3/8-16NC X 1 1/2 (6)
11	000955P	Lock Washer - 3/8 (6)
12	000953P	Lock Nut 3/8-16NC (6)

OIL TANK

Cherrington

HYDRAULIC SYSTEM

Please call your Cherrington Beachcleaner
dealer or the factory for assistance.



VALVE BANK TO TANK RETURN LINE

- (A) 3A08-10A12, H1066P, 2107-12-12, 0107-12-12
 (B) 2107-16-16, H1068P, 0107-12-16, 2107-12-12
 (C) 2107-12-12, 0107-12-16, H1069P, 0107-16-16, 1" MRO,
 1 1/4 x 1 PTR, FILTER

REPLACED 001432 ON 112265 PER 083

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .05
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH

- DIAGRAM #22 -
 HYD. DIAGRAM

001432

REV.
 A

SCALE: _____
 DATE: 5-21-90

APPROVED BY:

DRAWN BY

BC

REVISED

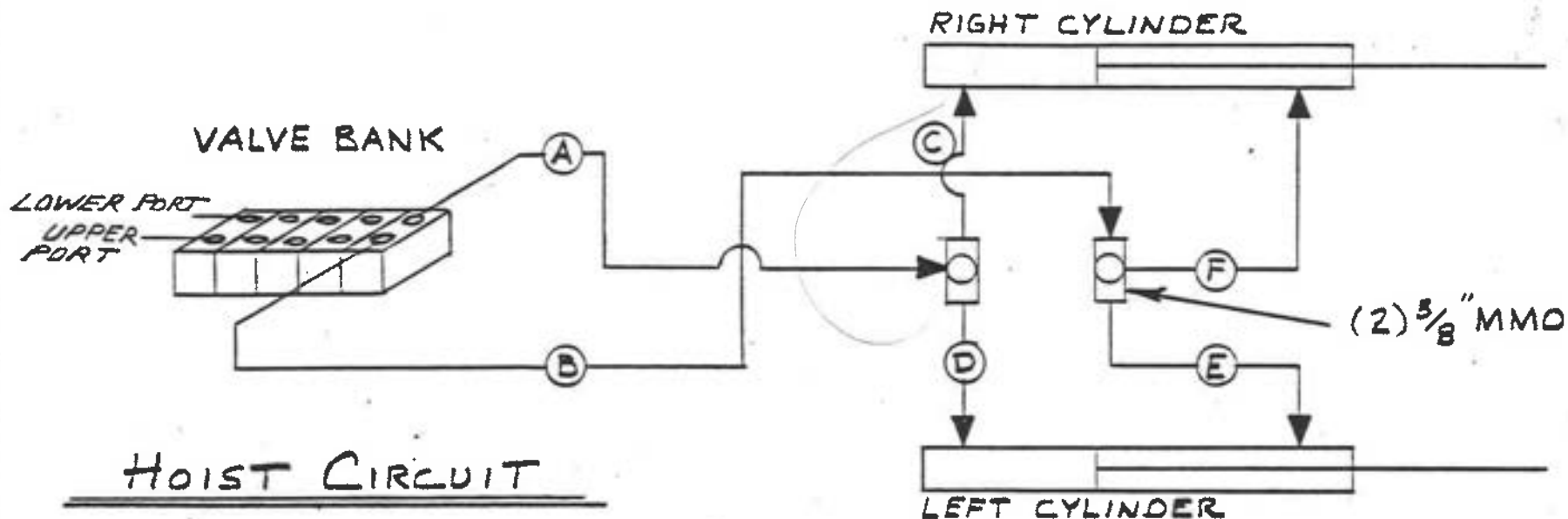
7-1-91 BJC

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER

1 OF 9



- (A) 8- $\frac{3}{8}$ F50G, $\frac{3}{8}$ x $\frac{1}{4}$ FF, *KLF250-S (HUSCO→), 0107-4-6, H1056P, 3107-6-6
- (B) 0507-8-6, H1057P, 3107-6-6
- (C) 0107-6-6, H1014P, 2107-8-6
- (D) 0107-6-6, H1072P, 2107-8-6
- (E) 0107-6-6, H1018P, 2107-8-6
- (F) 3107-6-6, H1017P, 2107-8-6

*000206P ONE WAY NEEDLE VALVE

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .06
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH _____

-DIAGRAM #23-

001432

HYD. DIAGRAM

SCALE:

APPROVED BY:

DRAWN BY

BC

DATE

5-21-90

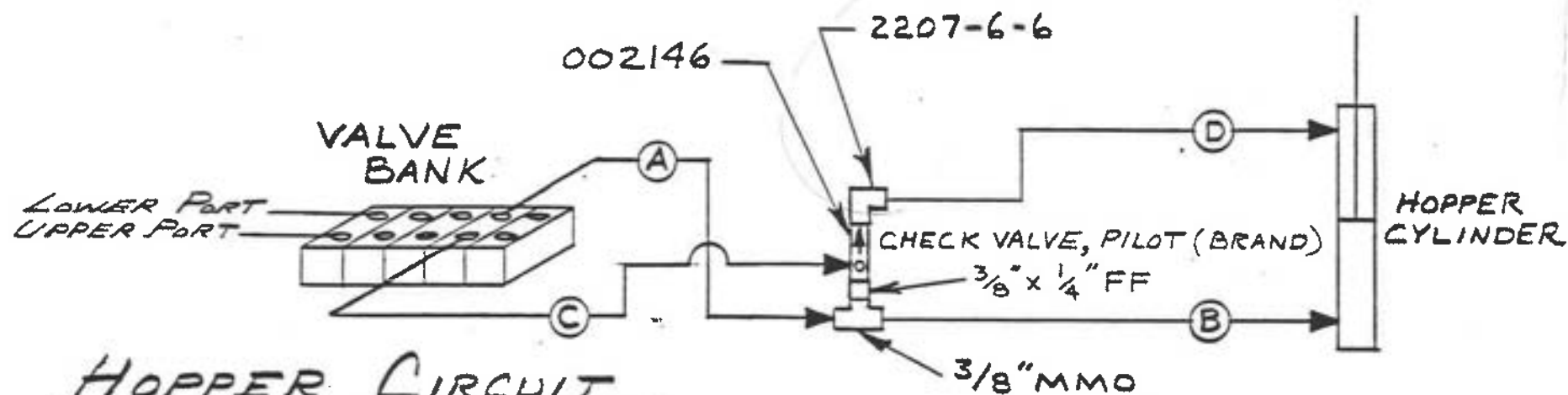
REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER

2 OF 9



- (A) 8- $\frac{3}{8}$ F50G, $\frac{3}{8} \times \frac{1}{4}$ FF, *KLN250-S, 0107-4-6, H1059P, 0107-6-6
- (B) H1051P, 2107-8-6
- (C) 0507-8-6, H1058P, 0107-6-6
- (D) H1050P, 2107-8-6

* 000230P $\frac{1}{4}$ " NEEDLE VALVE

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .06
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH _____

- DIAGRAM #24 -

001432

HYD. DIAGRAM

SCALE

APPROVED BY:

DRAWN BY

DATE

5-21-90

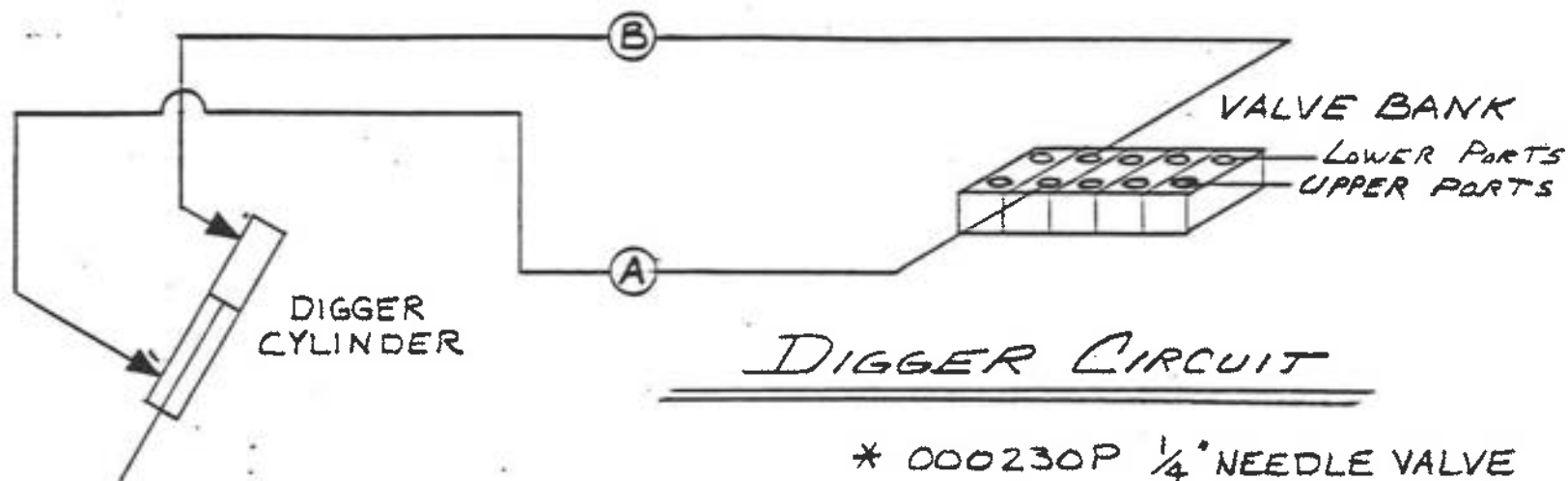
REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER

3 OF 9



- Ⓐ 0507-8-6, H1060P, 2107-8-6
- Ⓑ 0507-8-6, H1061P, 2107-4-6, *KLN250-S, 1/2 x 1/4 FF

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .05
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH _____

- DIAGRAM # 25 -

001432

HYD DIAGRAM

SCALE 
 DATE 5-21-90

APPROVED BY:

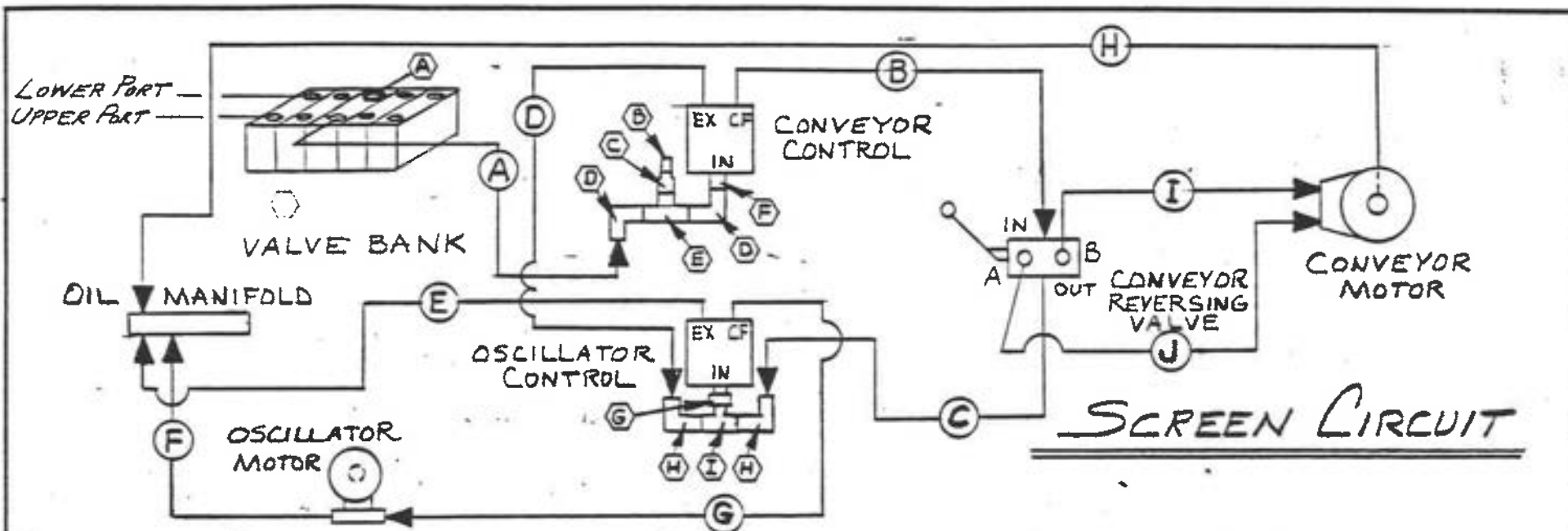
DRAWN BY BC

REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER 4 OF 9



- | | |
|--|----------------|
| (A) 0507-8-8, H1025P | (E) 1/2" MRO |
| (B) 0507-12-12, 2107-12-8, H1025P, 2107-12-8 | (F) 0507-12-8 |
| (C) 2107-12-8, H1025P | (G) 0507-12-12 |
| (D) 0507-12-12, 2107-12-8, H1025P | (H) 2107-12-8 |
| (E) 0507-12-12, 2107-12-8, 2107-8-8, H1062P, 2107-8-8 | (I) 3/4" MMS |
| (F) 2507-10-8, H1063P, 2107-8-8, 0107-8-8 | |
| (G) 0507-12-12, 2107-12-8, 2107-8-8, H1052P, 3107-8-8, 2507-10-8 | |
| (H) 2507-4-4, 3107-4-4, H1029P, 2107-4-4 | |
| (I) 2107-8-8, H1031P, 3507-10-8 | |
| (J) 0107-8-8, 2107-8-8, H1030P, 3507-10-8 | |

- | |
|---------------------|
| (A) 8P50N |
| (B) PD-343 |
| (C) 1/2" x 1/4" PTR |
| (D) 2107-8-8 |

- DIAGRAM #26A -

001432

HYD. DIAGRAM

SCALE: 2

APPROVED BY:

DRAWN BY BC

DATE: 5-21-90

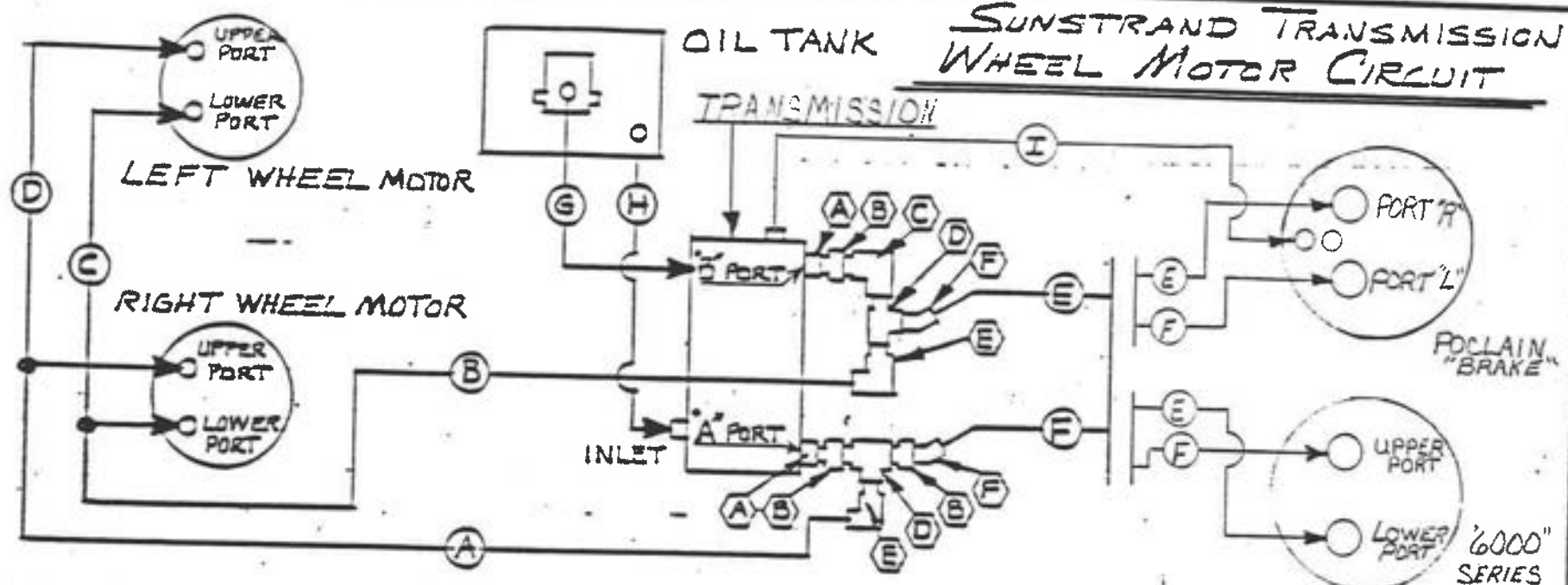
REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER

5 OF 9



- DIAGRAM # 27I -
HYD. DIAGRAM

001432

SCALE

DATE: 5-18-90

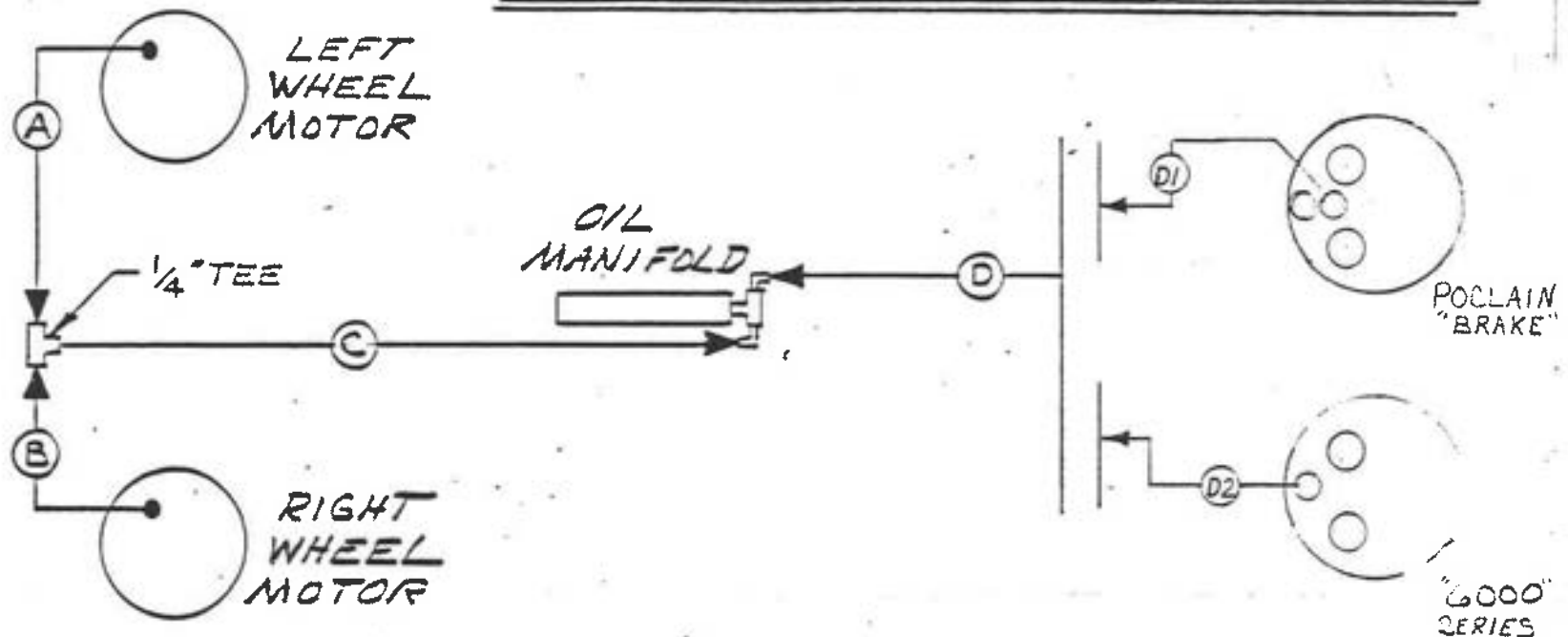
DRAWN BY R.C.

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER
6 of 9

WHEEL MOTOR CASE DRAINS



- A 3507-4-4, H1100P, 0107-4-4
- B 0507-4-4, H1099P, 0107-4-4
- C 2107-4-4, H1083P, 2107-6-4, 3/8" MMO, 1/2 x 3/8 EF
- D D1 OR D2 H1043P, 3107-4-4, 3/8 x 1/4 PTR
- D1 3/8 x 3/8 F4GH-S, 0107-6-4, 3107-4-4
- D2 3507-4-4

EXCEPT AS NOTED
 SAWING (+) .0 (-) .08
 SHEARING (+) .0 (-) .08
 WELDMENTS (+) .08 (-) .08
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH

DIAGRAM # 28J -
 HYD. DIAGRAM

001432

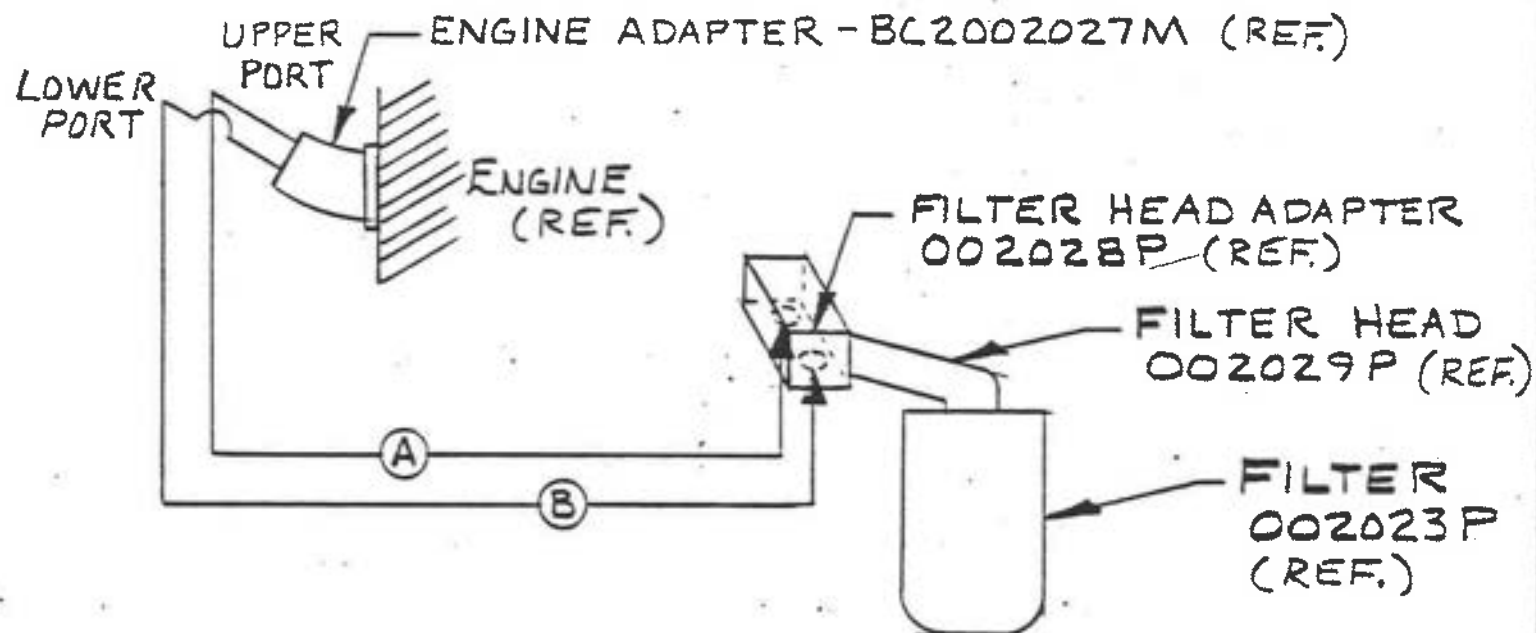
DATE 3-18-90

DRAWN BY B.C.

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER
 7 OF 9



① 2107-8-8, 2107-8-8, H1085P, 3107-8-8

② 0107-8-8, 2107-8-8, 2107-8-8, H1084P, 3107-12-8, 0107-12-12

BEGAN ON MACH. 112222 / EXCLUDE 112223 PER ECO#88-0321B

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .06
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH _____

- ENG. OIL -
 HYD. DIAGRAM

00/432

SCALE _____
 DATE 5-21-90

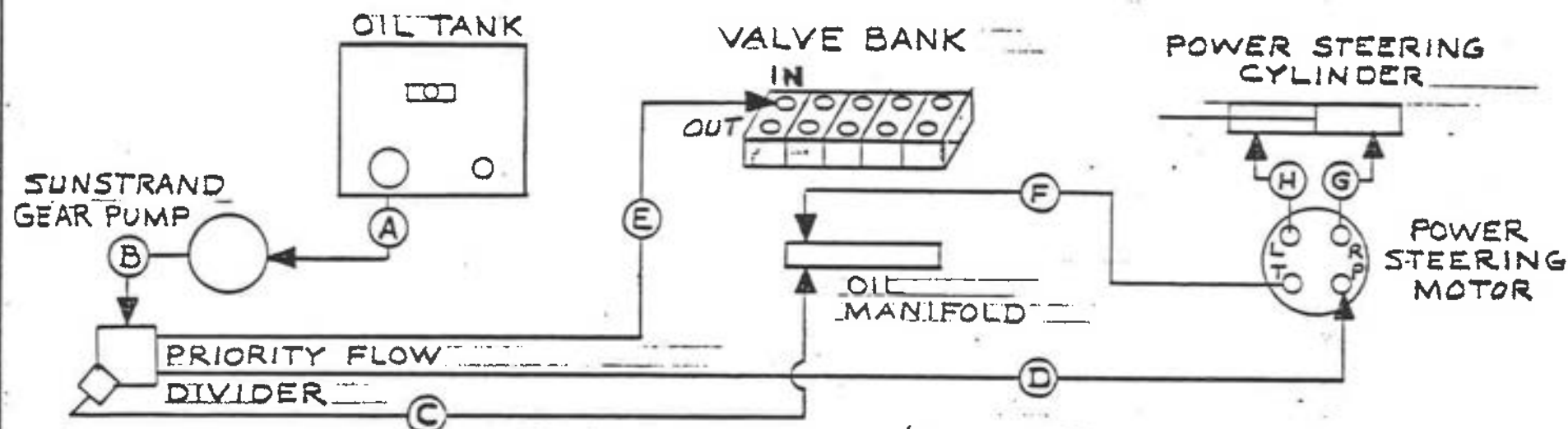
APPROVED BY:

DRAWN BY BC
 REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER
 8 OF 9



SUNSTRAND PUMP/POWER STEERING CIRCUIT

- (A) 90° 1/4" ST. ELBOW, ZINGA FT-1215-ZP, H1070P, ZINGA FT-1215-ZP, 20-1/4" F50 G
- (B) 16-3/4 F50 G, 2107-12-12, 3107-12-12, H1067P
- (C) 3107-6-6, H1014P, 3107-6-6
- (D) 2107-6-6, 2107-6-6, H1078P, 3107-6-6, 0507-8-6
- (E) 2107-12-12, H1004P, 3A08-10A12
- (F) 0507-8-6, 0107-6-6, 3107-6-6, H1079P, 2107-6-6
- (G) 0507-8-6, 3107-6-6, H1080P, 2107-8-6
- (H) 0507-8-6, 0107-6-6, 3107-6-6, H1081P, 2107-8-6

EXCEPT AS NOTED
 SAWING (+) .0 (-) .06
 SHEARING (+) .0 (-) .03
 WELDMENTS (+) .06 (-) .06
 HOLE DIAS. (+) .008 (-) .005
 ALL OTHER (+) .015 (-) .015
 ANGLES (+) 2° (-) 2°
 BREAK ALL CORNERS .005 MIN
 FINISH

— DIAGRAM #21A—

HYD. DIAGRAM

001432

SCALE: —

APPROVED BY:

DRAWN BY

BC

DATE

5-21-90

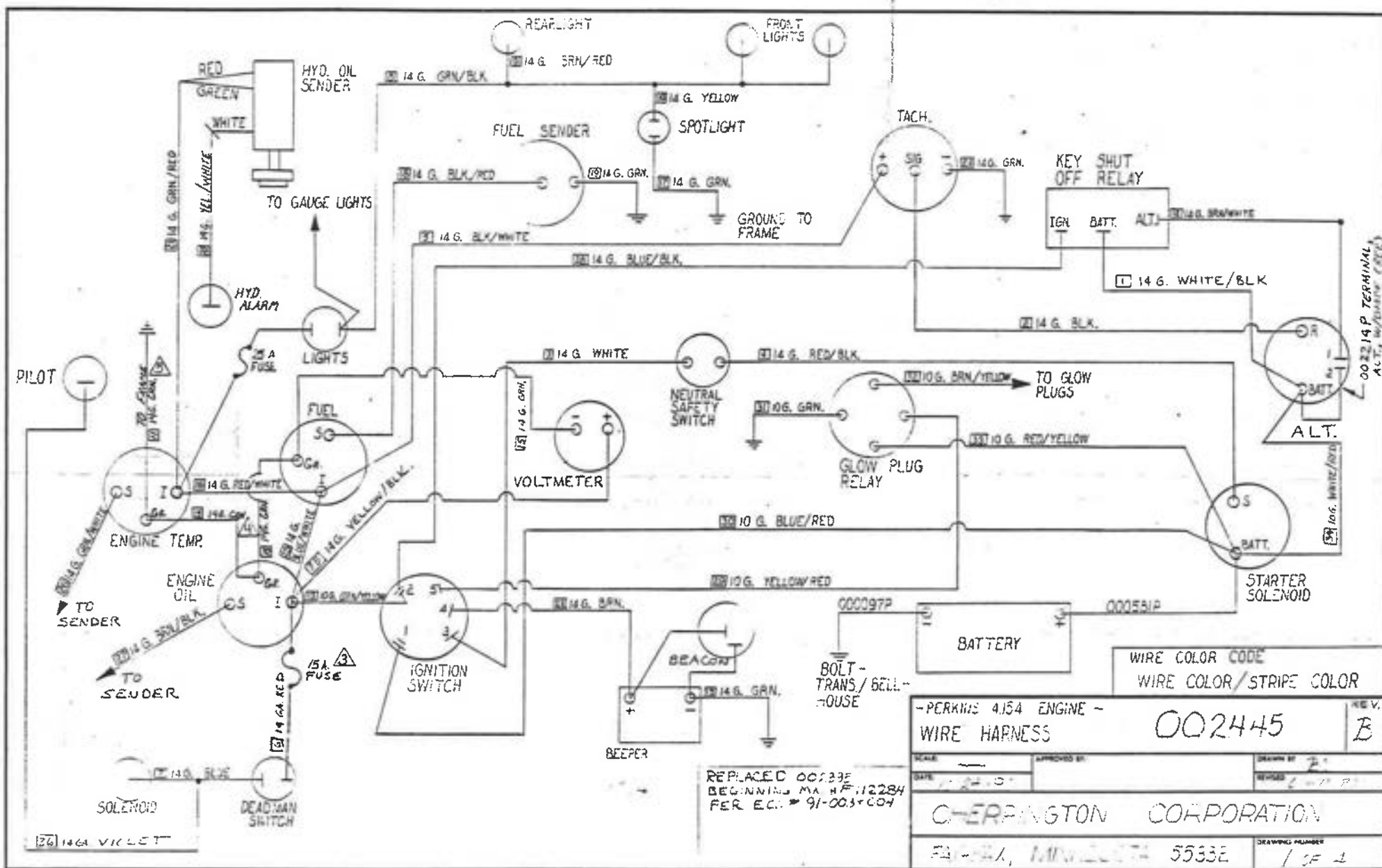
REVISED

CHERRINGTON CORPORATION

FAIRFAX, MINNESOTA 55332

DRAWING NUMBER

9 OF 9

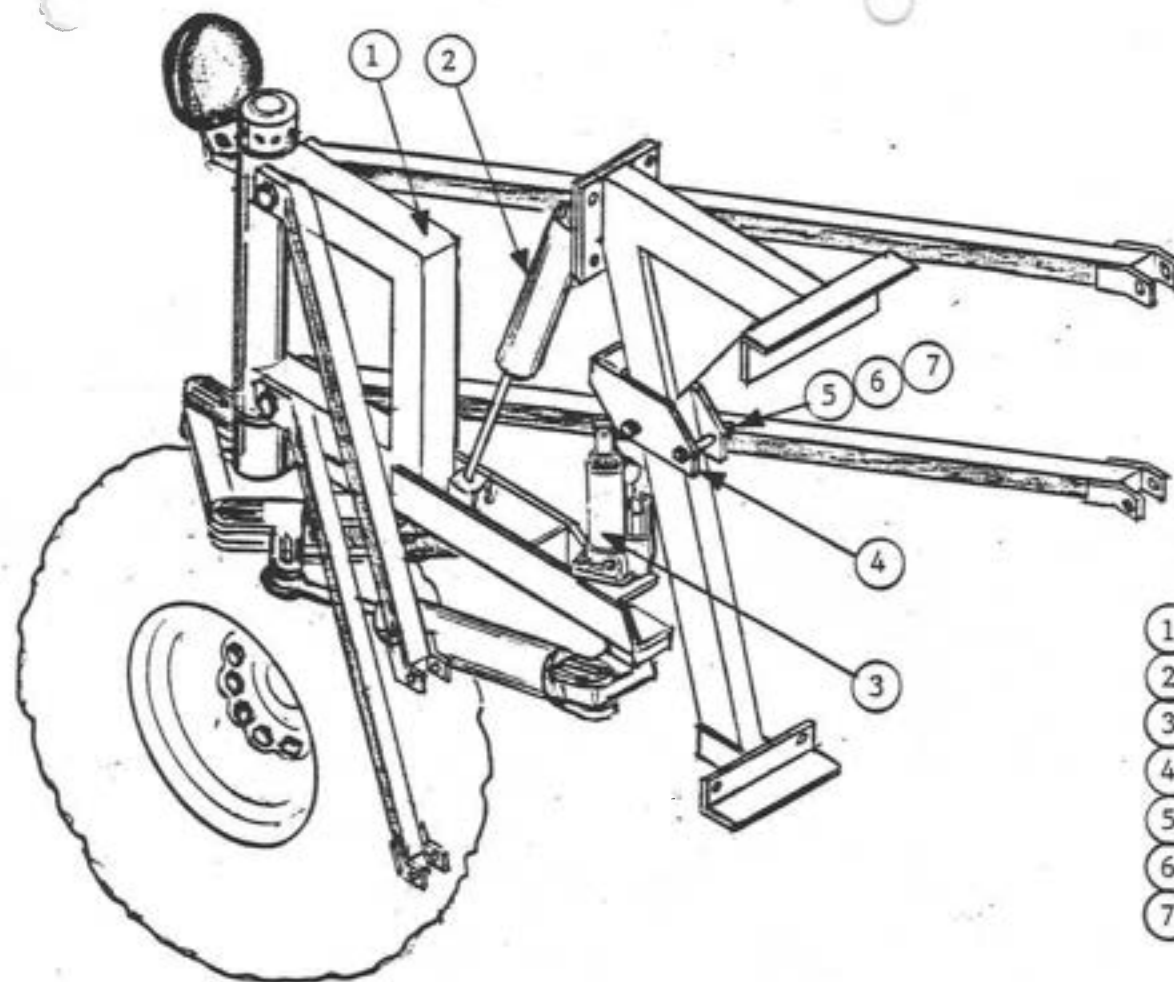


LEGEND OF BC WIRES

002445

Wire No	Connector	Ga., Color, Length	Connector
1	Ter.Spade #10, 14ga	14, white/blk stripe, 10"	Ter.Ring 1/4", 14ga
2	Ter.Conn, Alt/Tach	Cut to 52" (14 ga bulk)	Ter.Ring #8, 14ga
3	Ter.Ring #8, 14ga	14, white, 123"	Ter.slde,female,14ga
4	Ter.Ring #10, 14ga	14, red/blk stripe, 73"	Ter.Ring #8, 14ga
5	Ter.Ring,#10, 14ga	14, blk/white stripe, 16"	Ter.Ring #8, 14ga
6		14, red, 132"	*Ter.slde,female,14ga
7	*Ter.Ring #10, 14ga	14, blue, 96"	*Ter.slde,female,14ga
8	Ter,spde #10, 14ga	14, grn/blk stripe, 80"	Scotchlok
9	Scotchlok	14, brn/red stripe, 47"	*Ter.Butt Conn.
10	*Ter.Butt Conn.	14, yellow, 139"	*Ter.Butt Conn.
11	Ter.Ring,#10, 14ga	14, green,15"	Ter.Ring 5/16, 14ga
12	Ter.Spade #10, 14ga	14, brn/white stripe, 3"	Ter.slde,female,14ga
13	Ter.Ring #10, 10ga	10, grn/yellow stripe, 20"	Ter.slde,female,10ga
14	Q=4 Ter.Ring,#10, 14ga	14, green, 9"	Ter.Ring #10, 14ga
15	Ter.Ring #10, 14ga	14, red/white stripe, 12"	Ter.Ring #10, 14ga
16	*Ter.Butt conn.	14, green, 48"	Ter.Ring 5/16, 14ga
17	Ter.Ring #10, 14ga	14, black/red stripe, 90"	Ter.Ring #10, 14ga
18	Ter.Ring #10, 14ga	14, green, 90"	Ter.Ring #10, 14ga
19	Ter.Ring #10, 14ga	14, yel./white, 80"	*Ter.Butt Conn.
20	Ter.Butt Conn.	14, grn/red stripe, 80"	*Ter.Butt Conn.
21	Ter.Ring #10, 14ga	14, brown, 100"	Ter.slde,female,14ga
22	Ter.Ring #10, 14ga	14, green, 15"	Ter.Ring #10, 14ga
24	Ter.Ring #8, 14ga	14, blue/white stripe, 12"	Ter.Ring #10, 14ga
25	Ter.Ring #10, 14ga	14, grn/white stripe, 42"	Ter.hook spd#10,14ga
26	Ter.Ring #10, 14ga	14, brown/blk stripe, 68"	Ter.Ring #10, 14ga
27	Ter.Ring #10, 14ga	14, blue/blk stripe, 62"	Ter.Spade #10, 14ga
28	Ter.slde,female 14ga	10, yellow/red stripe, 68"	Ter.slde female.10ga
29	Ter.slde,female 10ga	10, blue/red stripe, 72"	Ter.Ring 3/8, 10ga
30	Lg.female slide,10ga	10, green, 6"	Ter.Ring 3/8, 10ga
31	Ter.slde,female 10ga	10, brn/yellow stripe, 6"	Ter.Ring #10, 10ga
32	Ter.Ring 5/16, 10ga	10, red/yellow stripe, 9"	Ter.Ring 3/8, 10ga
33	Ter.Ring 5/16, 10ga	10, white/red stripe, 65"	Ter.Ring 1/4, 10ga
34	Ter.Ring 3/8, 10ga	14, yellow/blk stripe, 15"	Ter.Ring #10, 14ga
35	Ter.Ring #10, 14ga	14, violet, 55"	Ter.Butt Conn.
36	Scotchlok		

*Assembly after installation



EMERGENCY TOW JACK

1	000555W	Spindle Column
2	000029P	Digger Cylinder
3	002162P	Jack, Emergency Tow
4	002159	Bracket, Emergency Jack
5	000366M	Bolt, 5/8-11NC X 3-1/4"
6	000935P	Lockwasher, 5/8"
7	000932P	Locknut, 5/8-11NC

- INSTRUCTIONS:** In case of power or (2) Digger Cylinder failure, use (3) Hyd. Jack (located in Battery Box) to raise Digger Points. Follow these steps...
- 1) Locate (3) Jack on (1) Spindle Column - as shown.
 - 2) Loosen Bolts (5) and lower (4) Emergency Jack Bracket down to jack. Be sure to position jack ram into the socket of (4) Jack Bracket.
 - 3) As you jack the front end up, it may be necessary to release line pressure by operating the "Digger" valve handle periodically.



LIGHTS
AGC 15 AMP

BLUE
LIGHT

FUEL SHUT OFF
SOLENOID
MDL 15 AMP

Check hydraulic oil
tank for high
temperature or low
fluid level.

Routinely check
limit stop. Oscillator
RPM should not exceed
675 RPM

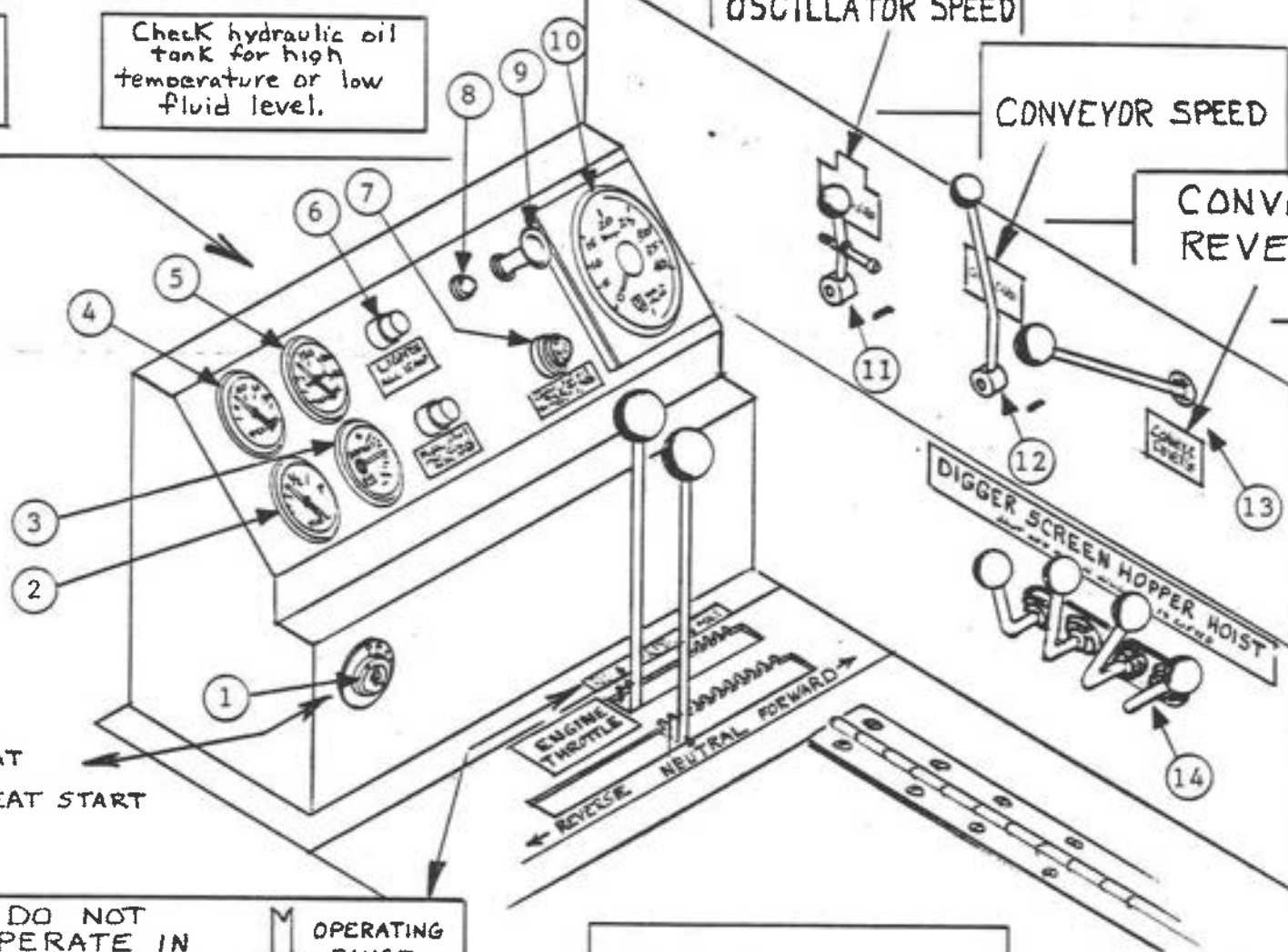
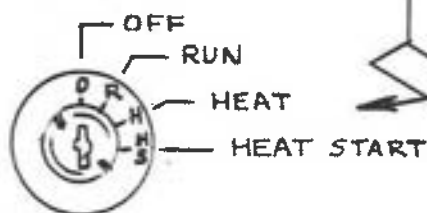
OSCILLATOR SPEED

CONVEYOR SPEED

CONVEYOR
REVERSE

DIGGER SCREEN HOPPER HOIST

VALVES AND GAUGES



VALVES AND GAUGES

UPDATED P/N

1	000385P	Switch, Ignition (Perkins)
2	000515P	Gauge, Fuel Tank
3	000101P	Gauge, Ammeter
4	000102P	Gauge, Engine Oil Pressure
5	000103P	Gauge, Water Temperature
6	000106P	Fuseholder
7	000527P	Gauge, Hyd. Level/Temp.
8	000089P	Light, Pilot
9	000091P	Switch, Light
10	000438P	Gauge, Tachometer/Hourmeter
11	000418P	Valve, Oscillator Speed Control
12	000417P	Valve, Conveyor Speed Control
13	000076P	Valve, Conveyor Reversing
14	000514A	Valve Bank Assembly

71.P298135