

TABLE OF CONTENTS

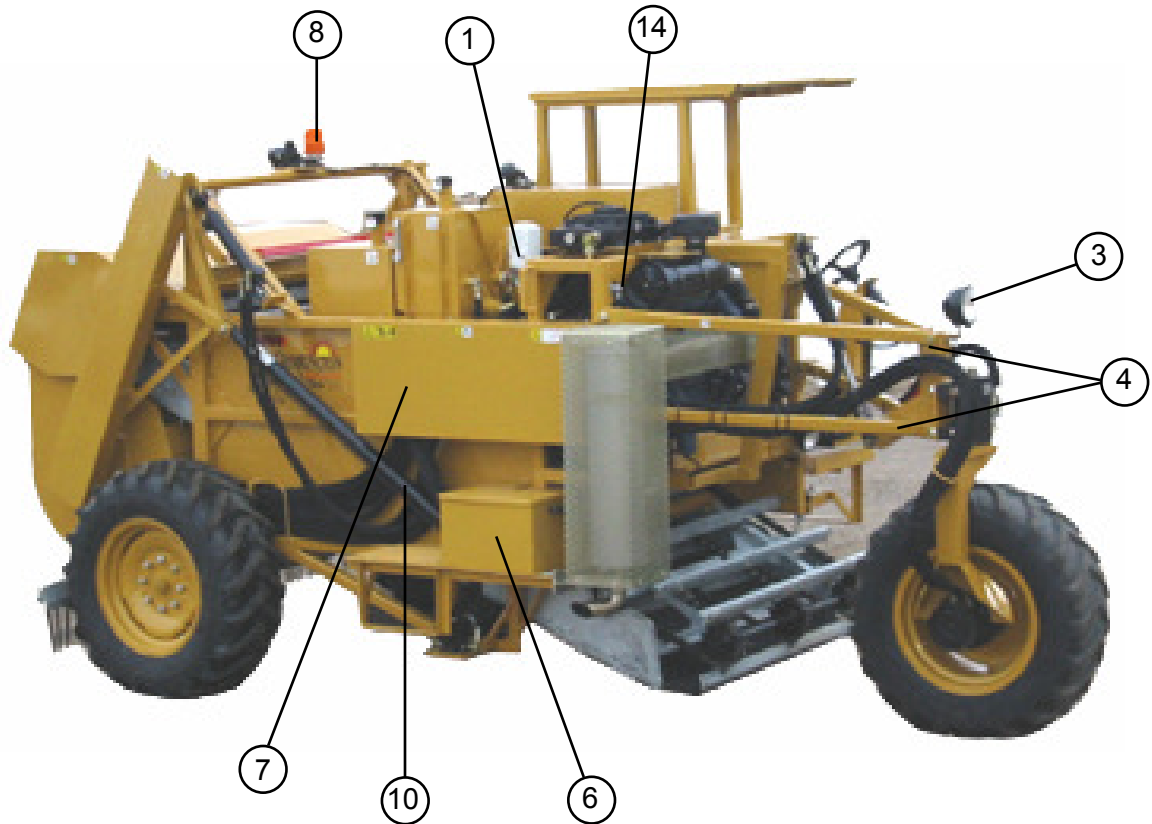
Table of Contents	1
Overall Machine Legend.....	2-5
Engine/Pump/Radiator (754TE2)	6-7
Transmission/Drive Coupling Assy	8
Air Cleaner.....	9
Exhaust System.....	10
Exhaust Shielding	11
Fuel System.....	12
Throttle/Transmission Linkage.....	13
Right Wheel Assy.....	14
Left Wheel Assy.....	15
Left Wheel Assy. (Cab).....	16
Front Wheel Assy.....	17
Screen System.....	18
Oscillator Mechanism	19
Flight System	20
Conveyor Support Assy.....	21
Conveyor Shaft Assy.: Front & Rear	22
Conveyor Drive Mechanism.....	23
Power Steering Components.....	24
Controls and Gauges.....	25
Hopper and Rollover Components.....	26-27
Oil Tank Assy.....	28
Emergency Tow Jack	29
Groomer Assy.....	30
Wiring Diagram	31
Hydraulic Return/Cooler Circuit.....	32
Hopper Lift Circuit	33
Hopper Rollover Circuit	34
Digger/Groomer Circuit.....	35
Conveyor/Oscillator Circuit.....	36
Hydrostatic Drive Circuit.....	37
Power Steering Circuit.....	38
Wheel Motor Case Drain Circuit.....	39

OVERALL MACHINE LEGEND

REF NO.	PART NO.	DESCRIPTION	QTY
1	P371730	FILTER: HYD ASSY	2
	P297170	GAUGE: IND LP CI-20	1
	P297190	GAUGE: IND VAC GV-5	1
	P371810	FILTER: HYD ELMT	
2	P259305	CYLINDER, 2B X 10S w/CAV	1
	005248	PIN: CYL/JACK	2
	P294250	VALVE: PILOT CHECK CARTRIDGE	1
	P781000	STROKE CONTROL SET	1
	003076	STOP, DIGGER CYL, SAFETY	1
	P123005	LOCK PIN: 5/16"	1
	P259306	SEAL KIT: RKT2-0096	1
	004976	BRKT, DIGGER CYL ADJ	1
3	P312100	LIGHT: HEAD	1
4	000587W	STABILIZER ARM WLD	4
	000622M	SPACER, STABILIZER 2-9/16	4
	P620600	GREASE FITTING: 1/4"-28 TAPER X 35/64	4
5	P312700	LIGHT: WORKING	3
6	004971	BATTERY BOX, 5000	1
	000730W	COVER, BATTERY BOX	1
7	P292700	JUNCTION MANIFOLD	1
8	P312600	LIGHT: STROBE	1
9	P001720	ALARM: BACK-UP, PRECO 45AA	1
10	P259315	CYLINDER, 2B X 42S w/CAV	2
	P294250	VALVE: PILOT CHECK CARTRIDGE	2
	P259316	SEAL KIT: RKT2-0087	1
11*	P600300	SEAT: GRAMMER GS-12 ASSEMBLY	1
	005170	SEAT POST WLD	1
	P999000	BOX: OWNERS MANUAL	1
12	004982	PLATFORM, FOOT	1
13	000774A	CANOPY	1
14	P298150	SWITCH: MASTER	1
	P296950	FACE PLATE: MASTER SWITCH	1
15	004977	SHIELD, RADIATOR COVER	1
16	004988	GUARD, CONV.	1

* 71.P600301 SEAT SAFETY SWITCH (NOT SHOWN)

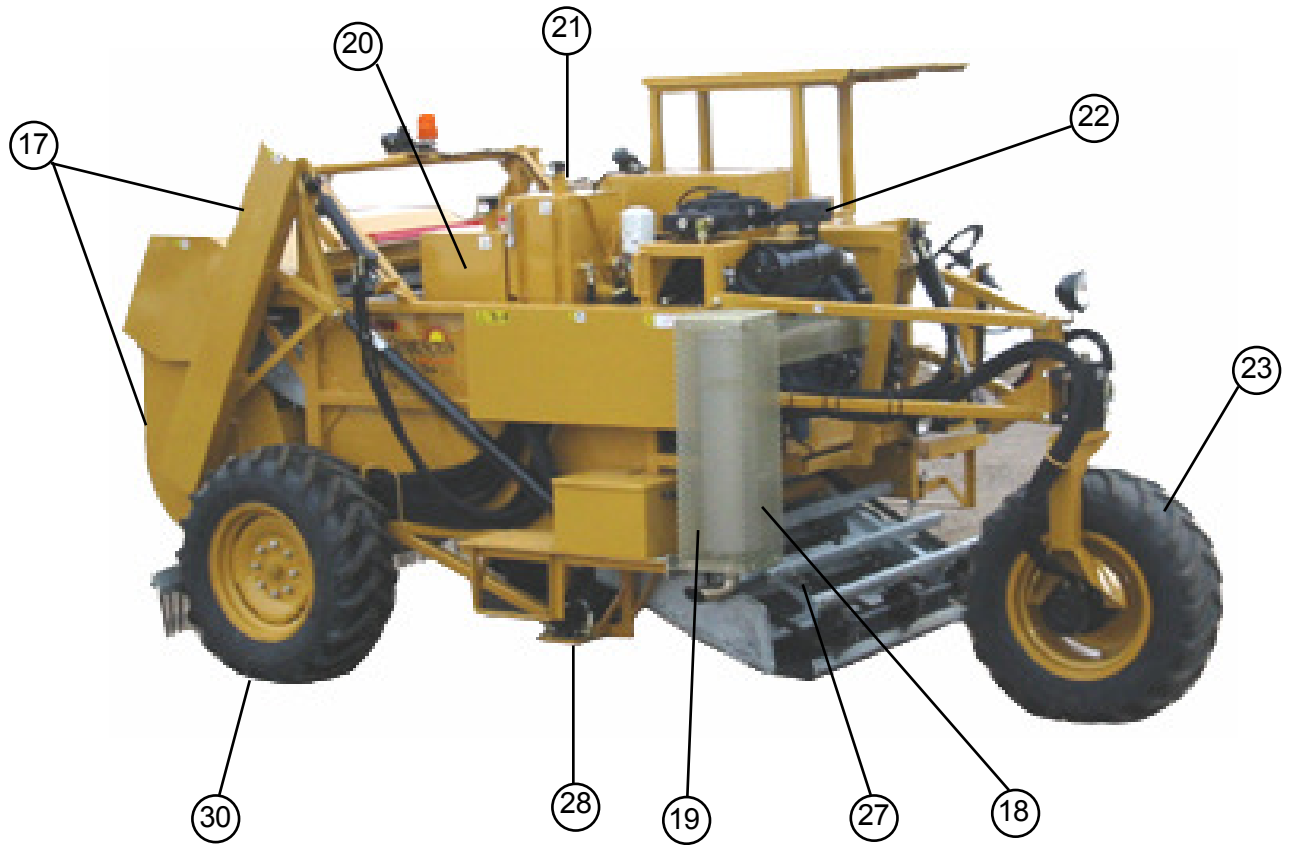
OVERALL MACHINE LEGEND



OVERALL MACHINE LEGEND

REF NO.	SEE PAGE	DESCRIPTION
17	26-27	HOPPER AND ROLLOVER COMPONENTS
18	10	EXHAUST SYSTEM
19	11	EXHAUST SHIELDING
20	12	FUEL SYSTEM
21	28	OIL TANK
22	9	AIR CLEANER
23	17	WHEEL ASSEMBLY (FRONT)
24	20	FLIGHT SYSTEM
25	18	SCREEN AND DIGGER POINT SYSTEM
26	22	FRONT CONVEYOR SHAFT
27	21	FRONT CONV. SUPPORT ASSY
28	19	OSCILLATOR MECHANISM
29	29	EMERGENCY TOWING
30	14	WHEEL ASSEMBLY (RIGHT)
31	24	POWER STEERING COMPONENTS
32	13	THROTTLE AND TRANS LINKAGE
33	25	CONTROLS AND GAUGES
34	26-27	HOPPER SYSTEM
35	23	CONVEYOR DRIVE MECHANISM
36	15-16	WHEEL ASSEMBLY (LEFT)

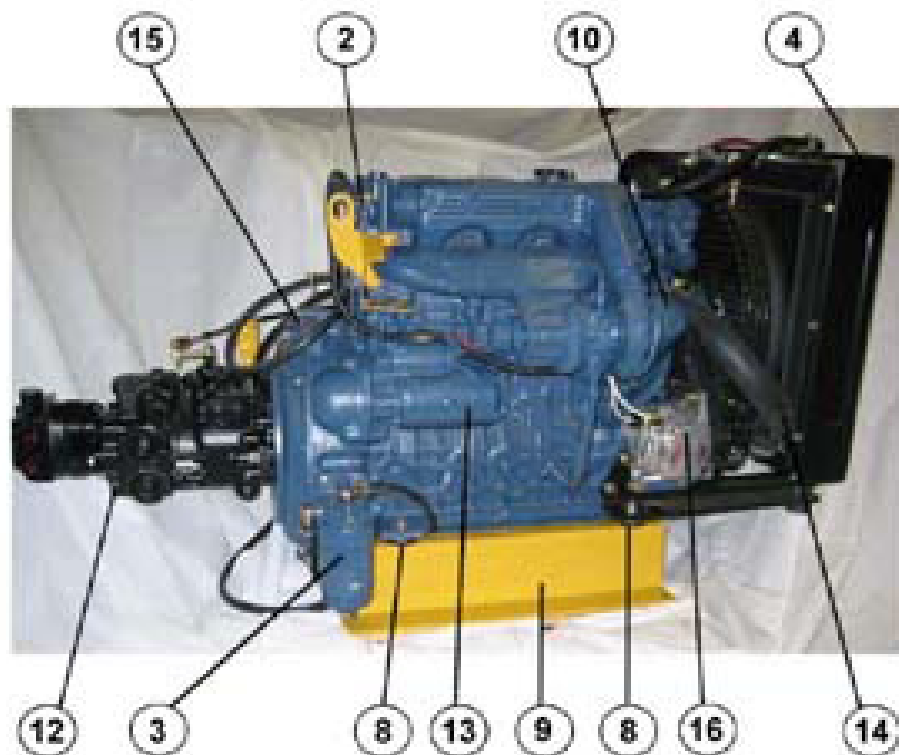
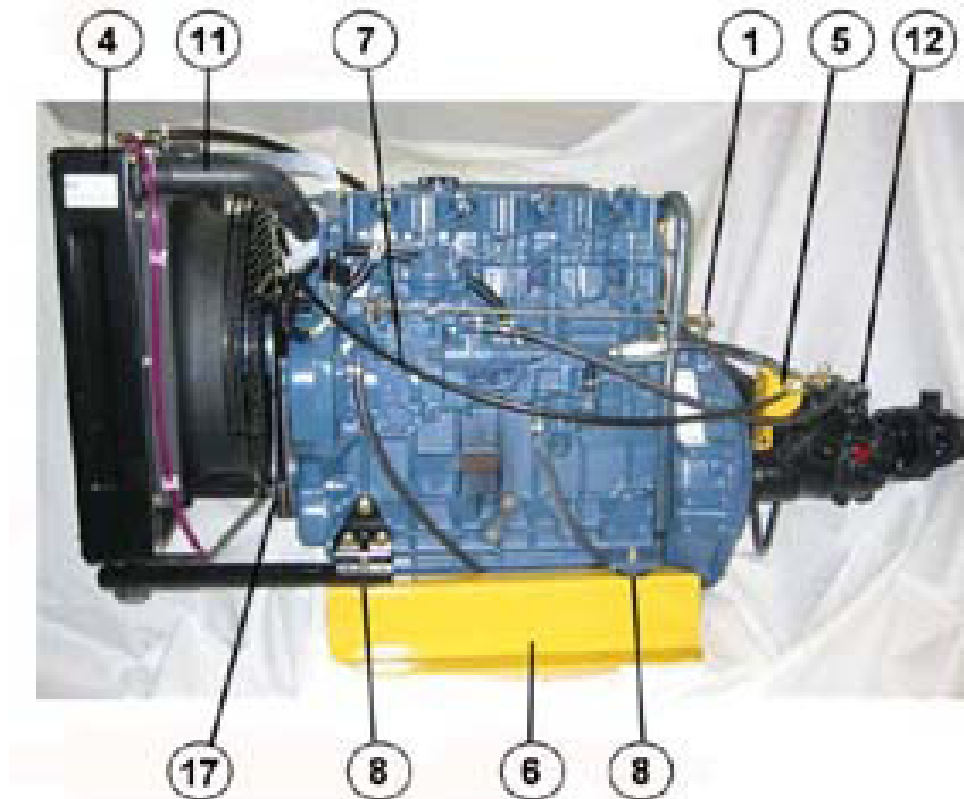
OVERALL MACHINE LEGEND



ENGINE/PUMP/RADIATOR (754TE2)

REF NO.	PART NO.	DESCRIPTION	QTY
1	SEE PAGE 13	THROTTLE LINKAGE	1
2	P372900	SENDER: WATER TEMP M18 X 1.5"	1
3	P371620	FILTER: FUEL 704LT	1
4	P593000	RADIATOR: 704LTE	1
5	SEE PAGE 13	BRKT, TRANS. CONTROL CABLE	1
6	500012	BRKT, ENGINE MTG REAR 754TE2	1
7	SEE PAGE 13	CABLE, PUSH-PULL, 52" X 2"	1
8	P133072	MT: ISOLATOR CB-1121-2	4
9	500013	BRKT, ENGINE MTG FRONT 754TE2	1
10	P371530	FILTER: ENG OIL 704LT	1
11	P269050	HOSE: RAD TOP 704LTE	1
12	SEE PAGE 8	PUMPS/DRIVE COUPLING ASSY	
13	P770200	STARTER: 704LT	1
14	P269030	HOSE: RAD LOW 704LTE	1
15	P372100	SENDER: ENG OIL PRES	1
16	P001840	ALTERNATOR: 704LTE BOSCH	1
17	P006300	BELT: FAN/ALT 704LT	2

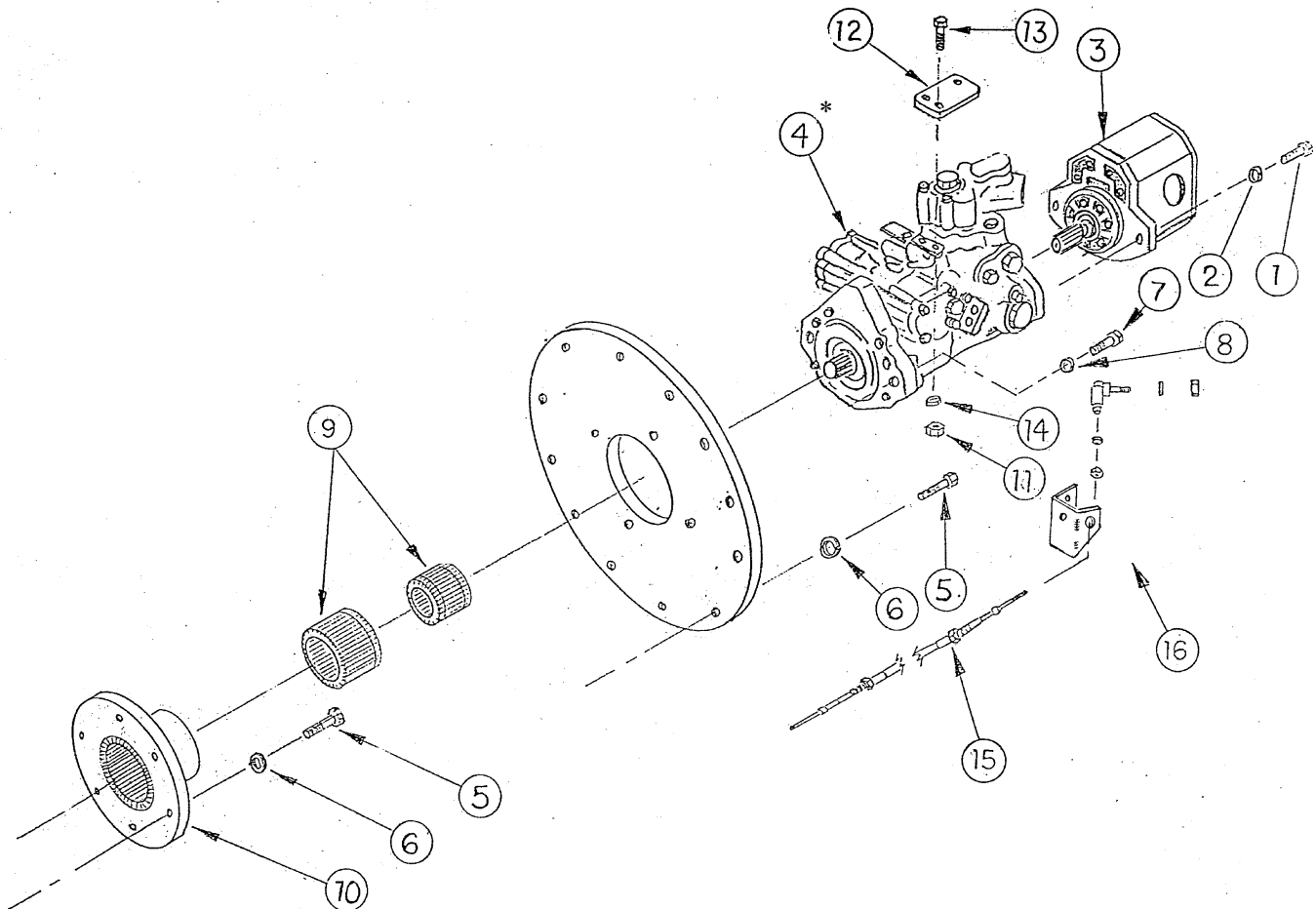
ENGINE/PUMP/RADIATOR (754TE2)



TRANSMISSION/DRIVE COUPLING ASSEMBLY

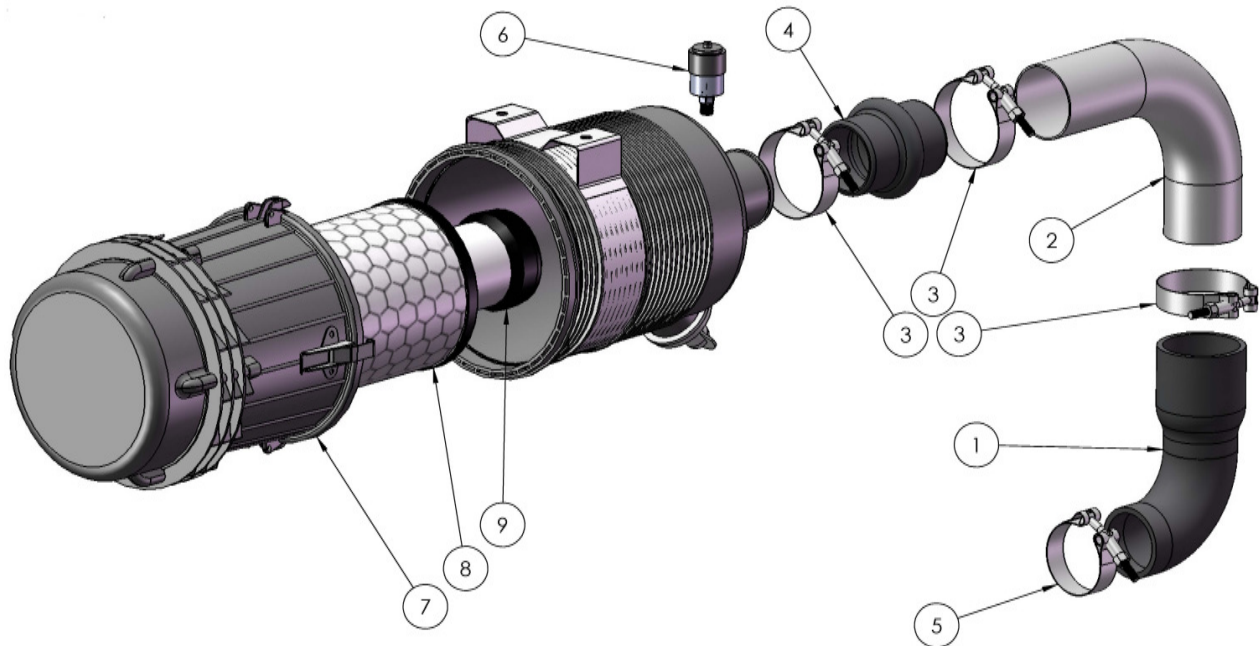
REF NO.	PART NO.	DESCRIPTION	QTY
1	P100605	BOLT: 3/8-16 NC X 1-1/4"	2
2	P851106	WASHER: LOCK 3/8"	2
3	P555100	PUMP: GEAR 26306-RAC LS	1
4 *	P556550	PUMP: TRANS M46 W/NS	1
5	P103851	METRIC BOLT: M10-1.5 X 30	18
6	P851100	WASHER: LOCK M10	18
7	P110170	BOLT: SOC HD, M14-2.0 X 40 MM	2
8	P851102	WASHER: LOCK M14	2
9		DRIVE CPLG ASSY.	1
10		DRIVE CPLG HUB.	1
11	P155450	NUT: 3/8" TOP LOCK	2
12	003656	TAB, TRANS. CONTROL EXT.	1
13	P100603	BOLT: 3/8-16 NC X 3/4"	2
14	P851106	WASHER: LOCK, 3/8"	2
15	P115852	CABLE: PUSH-PULL 52"	1
16	005262	BRKT, M46 CABLE	1

* 71.P298161 NEUTRAL SAFETY SWITCH M46 (NOT SHOWN)



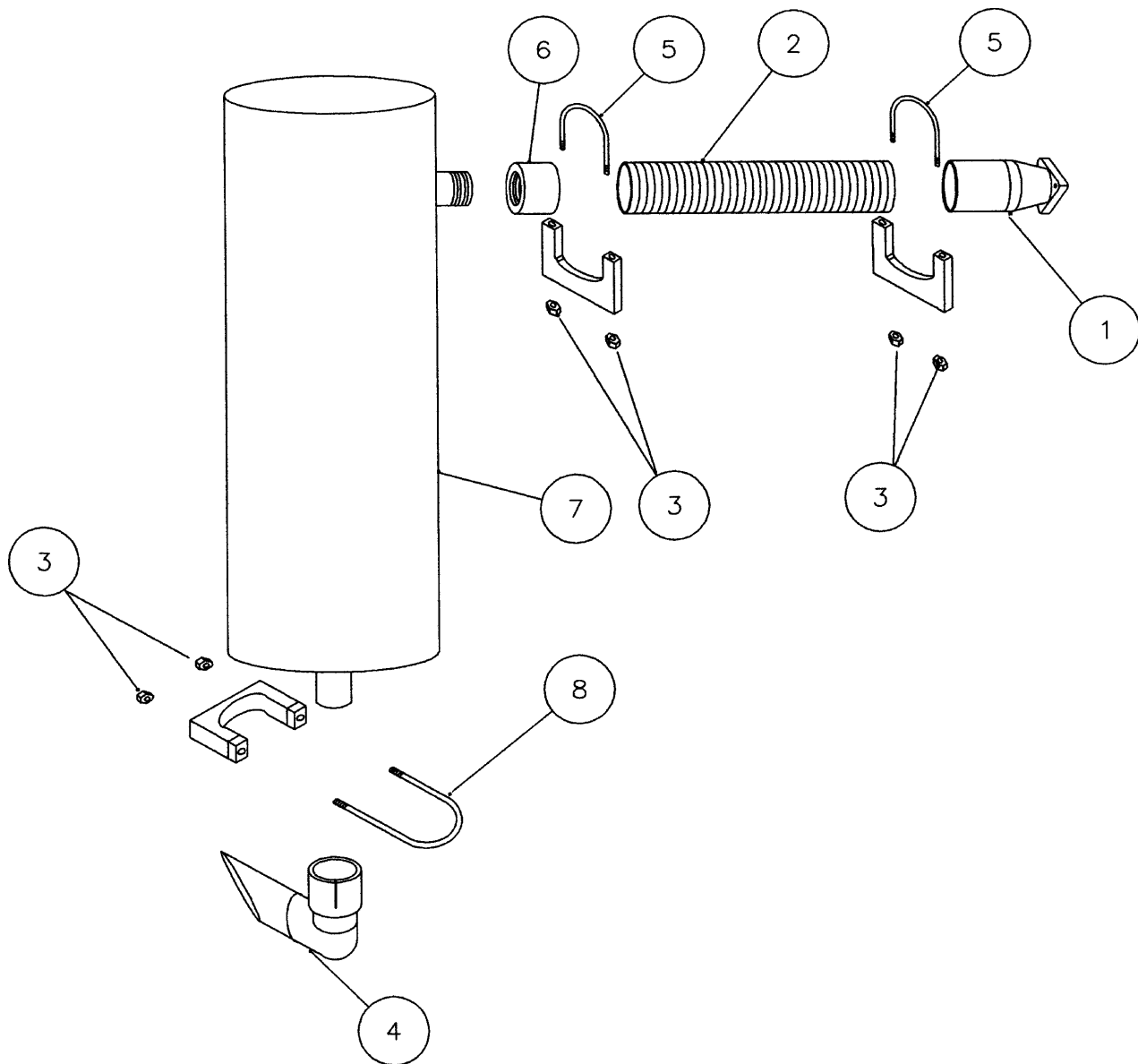
AIR CLEANER

REF	PART ID	DESCRIPTION	QTY
1	003742	HOSE: INTAKE COUPLER	1
2	500020	TUBE: INTAKE ELBOW 2.5"	1
3	P128860	CLAMP: HOSE, 2 1/2" ID T-BOLT	3
4	P269207	HOSE: A/C HUMPH CONN 2.5"	1
5	P128850	CLAMP: HOSE, 2" ID T-BOLT	1
6	P297160	GAUGE: IND A/C DON	1
7	P001650	AIR CLNR: ENG 2.5# 7VLR-E2-ST	1
8	P371366	FILTER: AIR ELE PRIME 3-E1 ENG	1
9	P371376	FILTER: AIR ELE SAFETY 3-E2 ENG	1



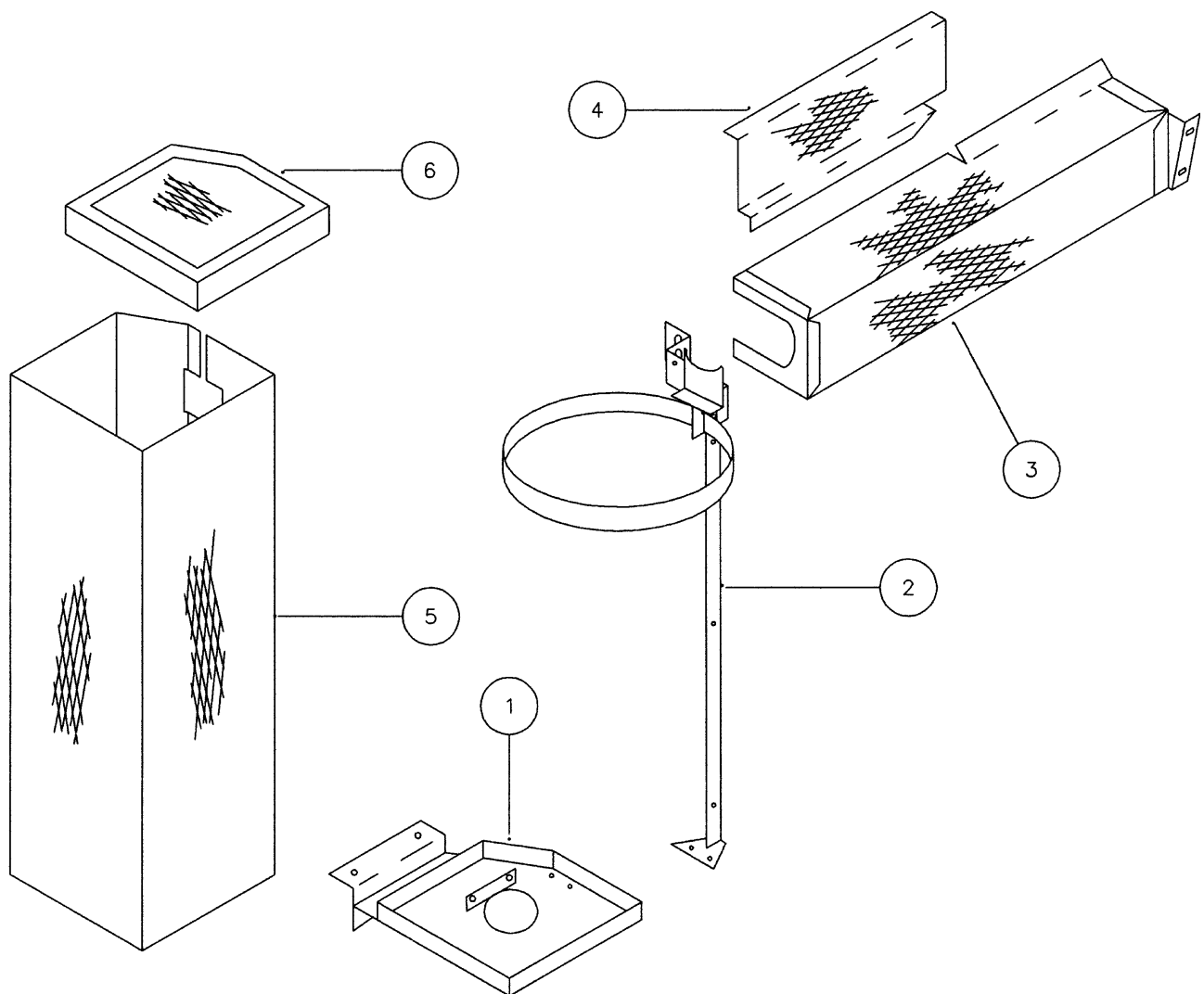
EXHAUST SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1	004964	EXHAUST MANIFOLD ADAPTER	1
2	P279120	FLEX TUBE: 3" X 22"	1
3	P155450	NUT: 3/8" TOP-LOCK	6
4	004965	EXHAUST DEFLECTOR SPOUT	1
5	P128940	CLAMP-U: 3" WKR	2
6	P272781	CPLG HALF: 2" NPT, 3M#, BLK	1
7	P722500	MUFFLER: BC	1
8	P128930	CLAMP-U: 2-1/2"	1



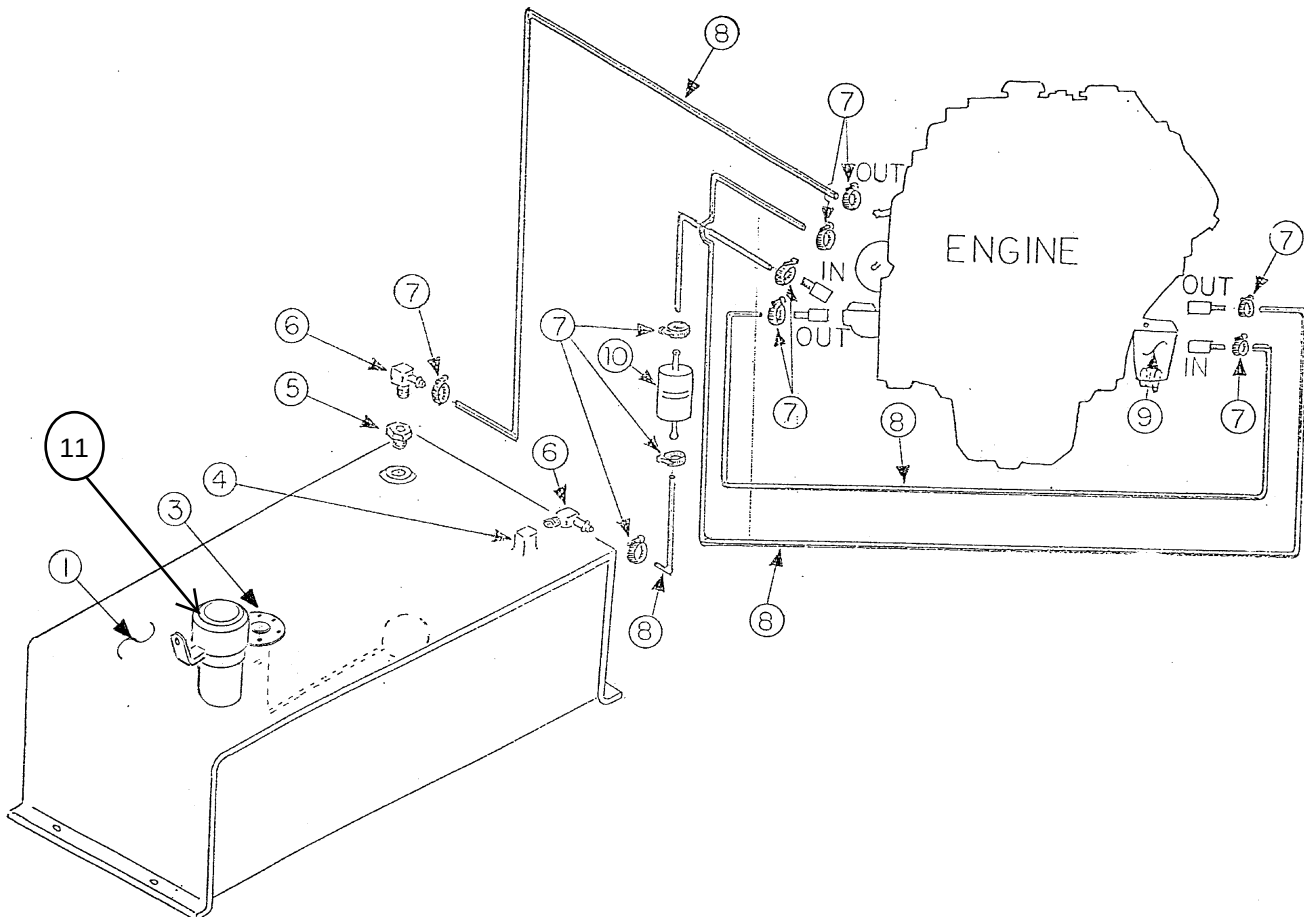
EXHAUST SHIELDING

REF NO.	PART NO.	DESCRIPTION	QTY
1	004957	EXHAUST BRKT BASE	1
2	004958	EXHAUST BRKT TOP	1
3	004959	HEAT SHIELD, FLEX TUBE	1
4	004960	HEAT SHIELD, FLEX TUBE BACK	1
5	004961	HEAT SHIELD, MUFFLER	1
6	004962	HEAT SHIELD, MUFFLER COVER	1



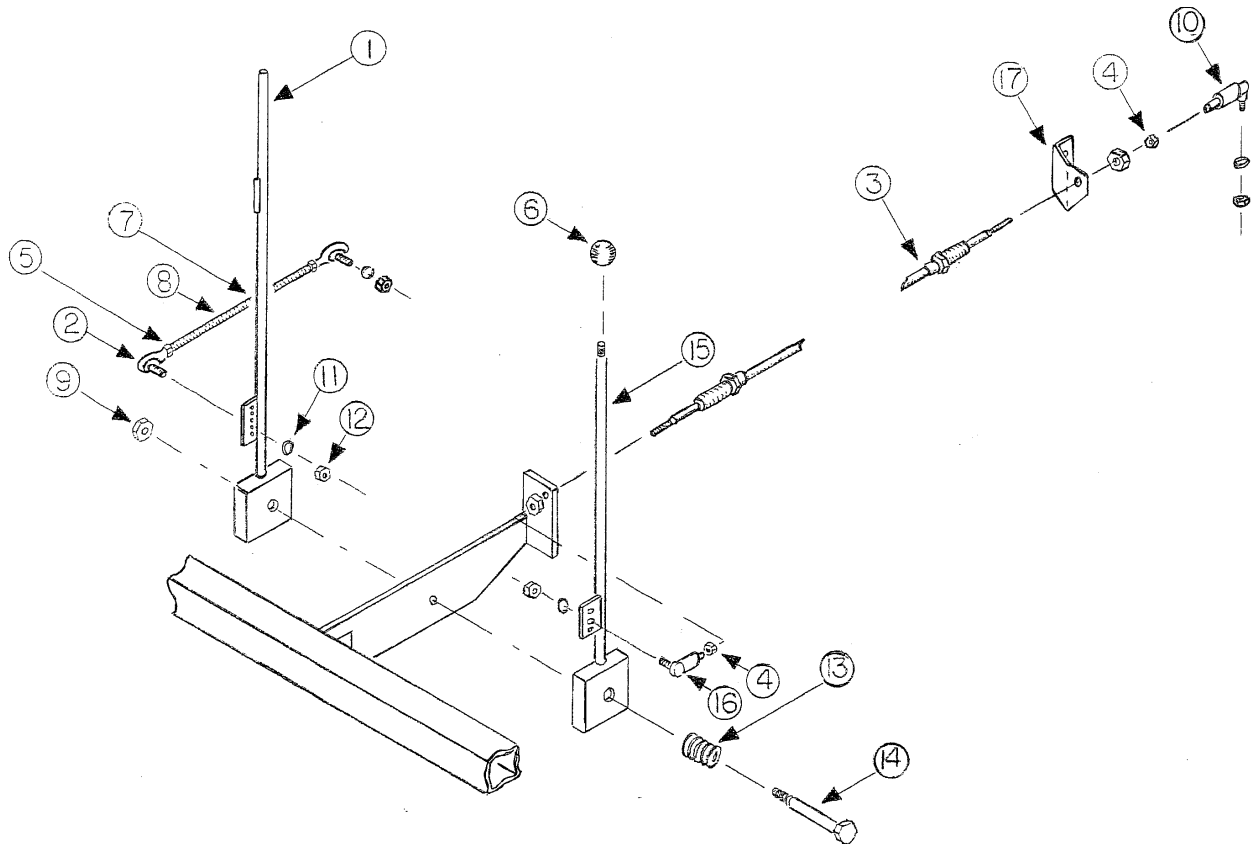
FUEL SYSTEM

REF NO.	PART NO.	DESCRIPTION	QTY
1	005082	TANK , FUEL, ASSY (18 GAL) (INCLUDES: 3 & 4)	1
3 *	002096	SENDER ASSY, FUEL LEVEL UPDATED P/N: 71.500533	1
4	P769000	SIPHON TUBE ASSY	1
5	P267320	FITTING: 6MP 4FP REDUCER	1
6	P267140	FITTING: 4MP 5FP BRASS ADAPTER	2
7	P128702	CLAMP: HOSE, SIZE 02	8
8	R99000703	HOSE: FUEL LINE, 5/16" ID (SPECIFY LENGTH DESIRED)	
9	P371620	FILTER: FUEL 704LT	1
10	P371650	FILTER: FUEL, IN-LINE	1
11	71.P610000	FUEL CAP	



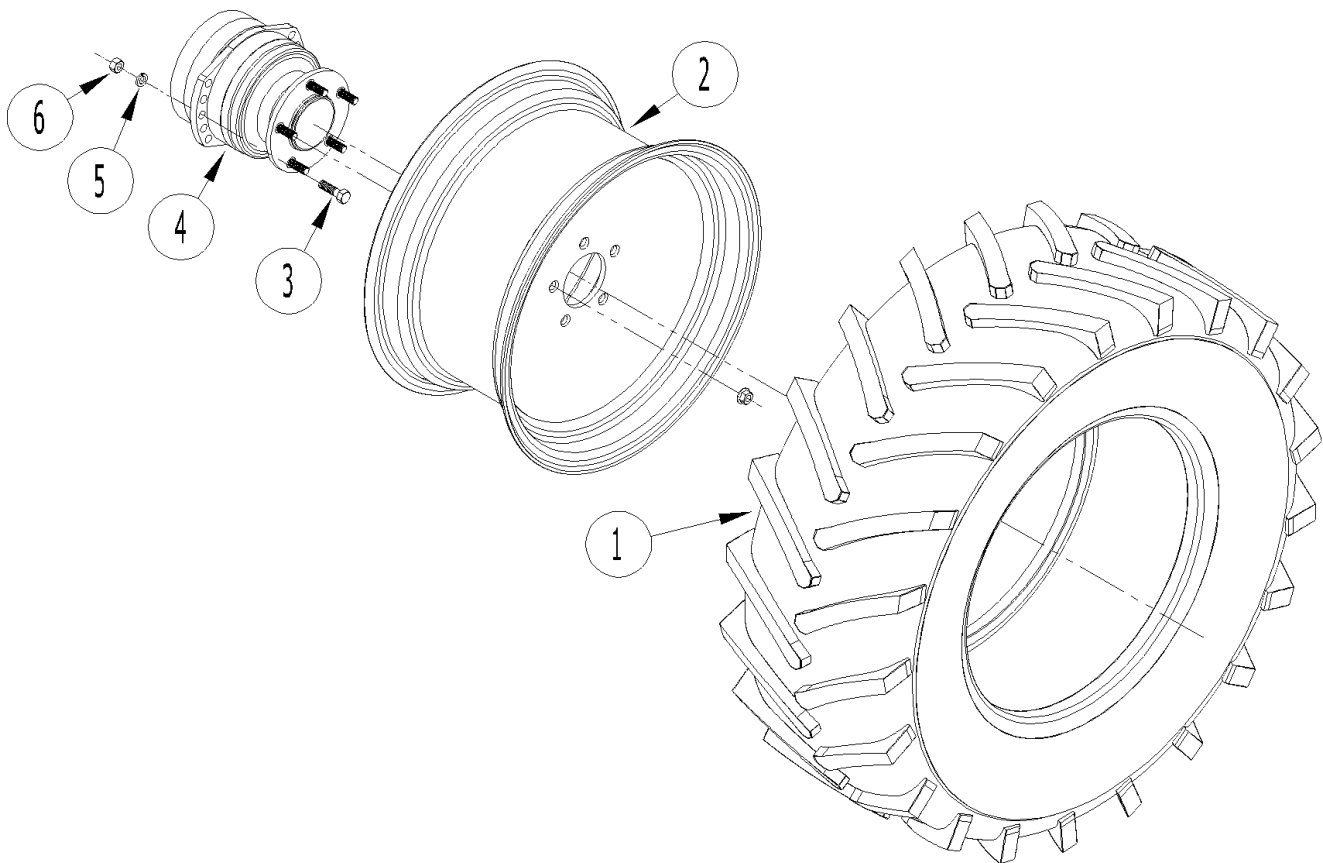
THROTTLE AND TRANSMISSION LINKAGE

REF NO.	PART NO.	DESCRIPTION	QTY
1	004513	LEVER, THROTTLE	1
2	P126300	BALL JOINT: 1/4F 1/4M	2
3	P115852	CABLE: PUSH-PULL 52"	1
4	P158021	NUT: #10-32 PLATED	2
5	P150401	HEX NUT: 1/4" FINE THREAD	2
6	P308100	KNOB: 1-3/8" X 1/2-13	1
7	004569	ROD, THREADED 1/4-28 NF X 17.68	1
8	004568	THROTTLE LINKAGE ROD ASSY (INCLUDES 2, 5, & 7)	1
9	P157500	NUT: 5/8-11 TOP-LOCK	1
10	P126330	BALL JOINT: 10-32F 5/16M	2
11	P851104	WASHER: LOCK 1/4"	2
12	P155251	NUT: 1/4" F.T. TOP-LOCK	2
13	002145	SPRING, CONTROL LEVER	1
14	P101018	BOLT: 5/8-11 NC X 4-1/2" G8	1
15	005263	LEVER, TRANSMISSION	1
17	005262	BRKT, M46 CABLE	1



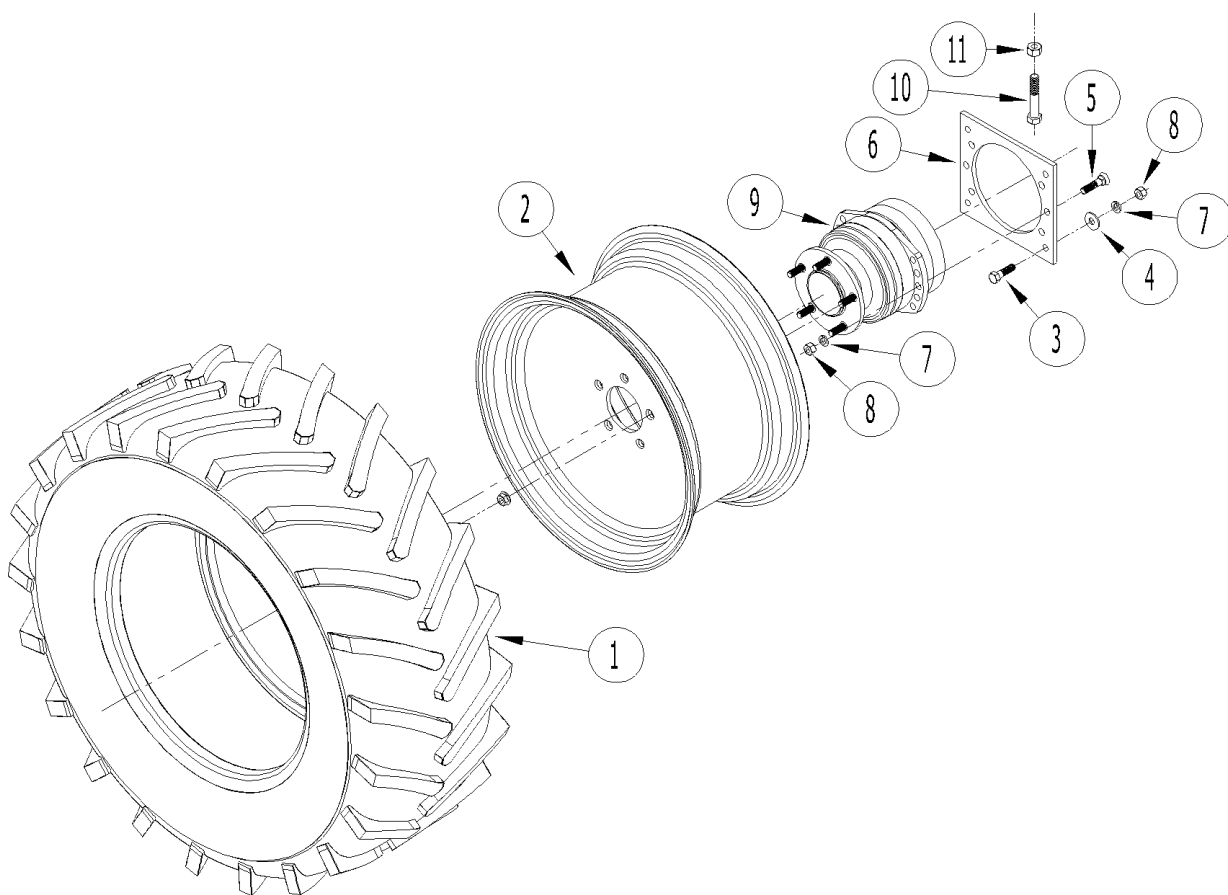
RIGHT WHEEL ASSY

REF NO.	PART NO.	DESCRIPTION	QTY
1	P763800	TIRE: 38 X 14.00	1
2	P750900	RIM: HEY 20 X 11 METRIC	1
	005292	WHEEL ASSY: MSE03 LH (INCLUDES 1 & 2)	1
3	P100807	HEX BOLT: 1/2" X 1-3/4"	6
4	P355600	MOTOR: WHEEL, POCLAIN MSE03	1
5	P851108	WASHER: LOCK 1/2"	6
6	P155850	NUT: 1/2" TOP-LOCK	6



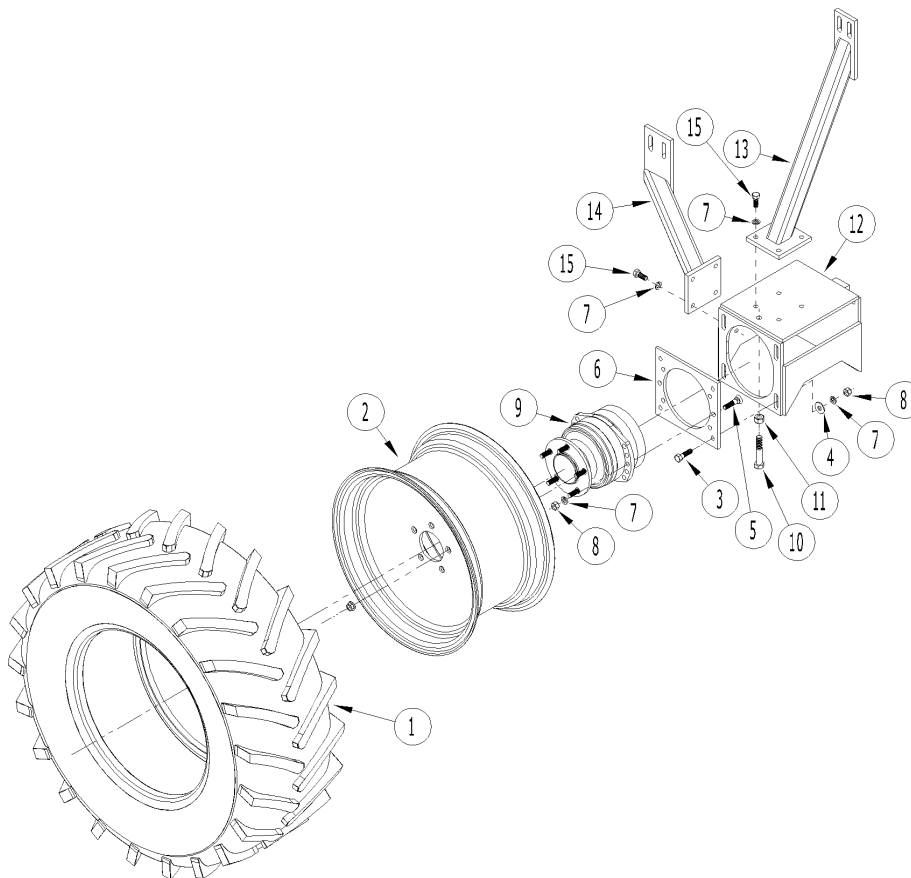
LEFT WHEEL ASSY

REF NO.	PART NO.	DESCRIPTION	QTY
1	P763800	TIRE: 38 X 14.00	1
2	P750900	RIM: HEY 20 X 11 METRIC	1
	005291	WHEEL ASSY: MSE03 RH (INCLUDES 1 & 2)	1
3	P100807	HEX BOLT: 1/2" X 1-3/4"	4
4	P850108	WASHER: FLAT ZINC 1/2"	4
5	P114808	PLOW BOLT: 1/2" X 2"	6
6	005290	PLATE: WHEEL MOTOR ADJ MSE03	1
7	P851108	WASHER: LOCK 1/2"	10
8	P155850	NUT: 1/2" TOP-LOCK	10
9	P355600	MOTOR: WHEEL, POCLAIN MSE03	1
10	P099012	HEX BOLT: 5/8" X 3" GR.5 FULL	1
11	P155800	NUT: 5/8"-11 HEX JAM	1



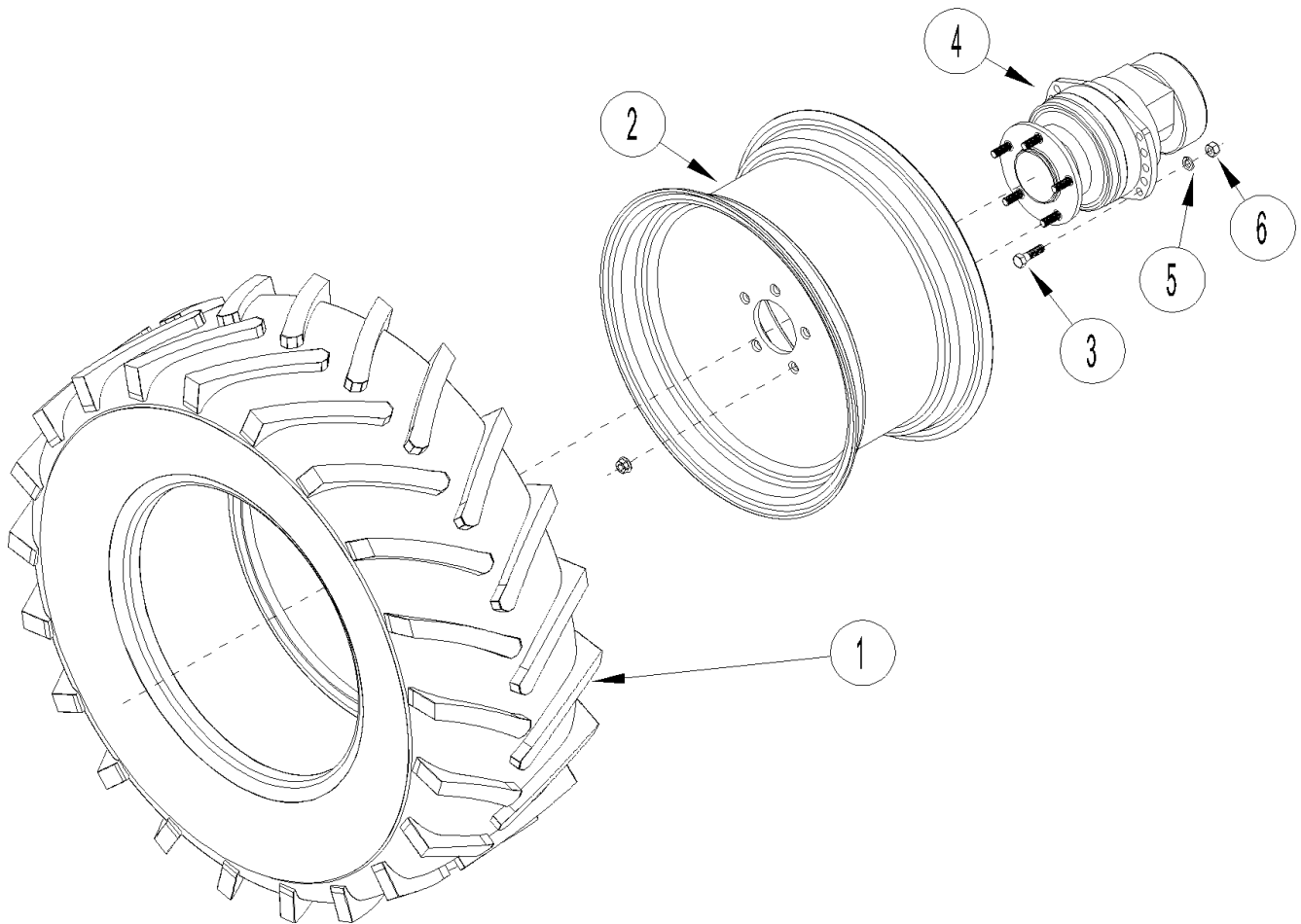
LEFT WHEEL ASSEMBLY (CAB)

REF NO.	PART NO.	DESCRIPTION	QTY
1	P763800	TIRE: 38 X 14.00	1
2	P750900	RIM: HEY 20 X 11 METRIC	1
	005291	WHEEL ASSY: MSE03 RH (INCLUDES 1 & 2)	1
3	P100807	HEX BOLT: 1/2" X 1-3/4"	4
4	P850108	WASHER: FLAT ZINC 1/2"	4
5	P114808	PLOW BOLT: 1/2" X 2"	6
6	005290	PLATE: WHEEL MOTOR ADJ MSE03	1
7	P851108	WASHER: LOCK 1/2"	18
8	P155850	NUT: 1/2" TOP-LOCK	10
9	P355600	MOTOR: WHEEL, POCLAIN MSE03	1
10	P099012	HEX BOLT: 5/8" X 3" GR.5 FULL	1
11	P155800	NUT: 5/8"-11 HEX JAM	1
12	005310	EXTENDER: MSE03 CAB	1
13	005311	BRACE: MSE03 EXTENDER VERT.	1
14	005312	BRACE: MSE03 EXTENDER HORZ.	1
15	P100805	HEX BOLT: 1/2" X 1-1/4"	8



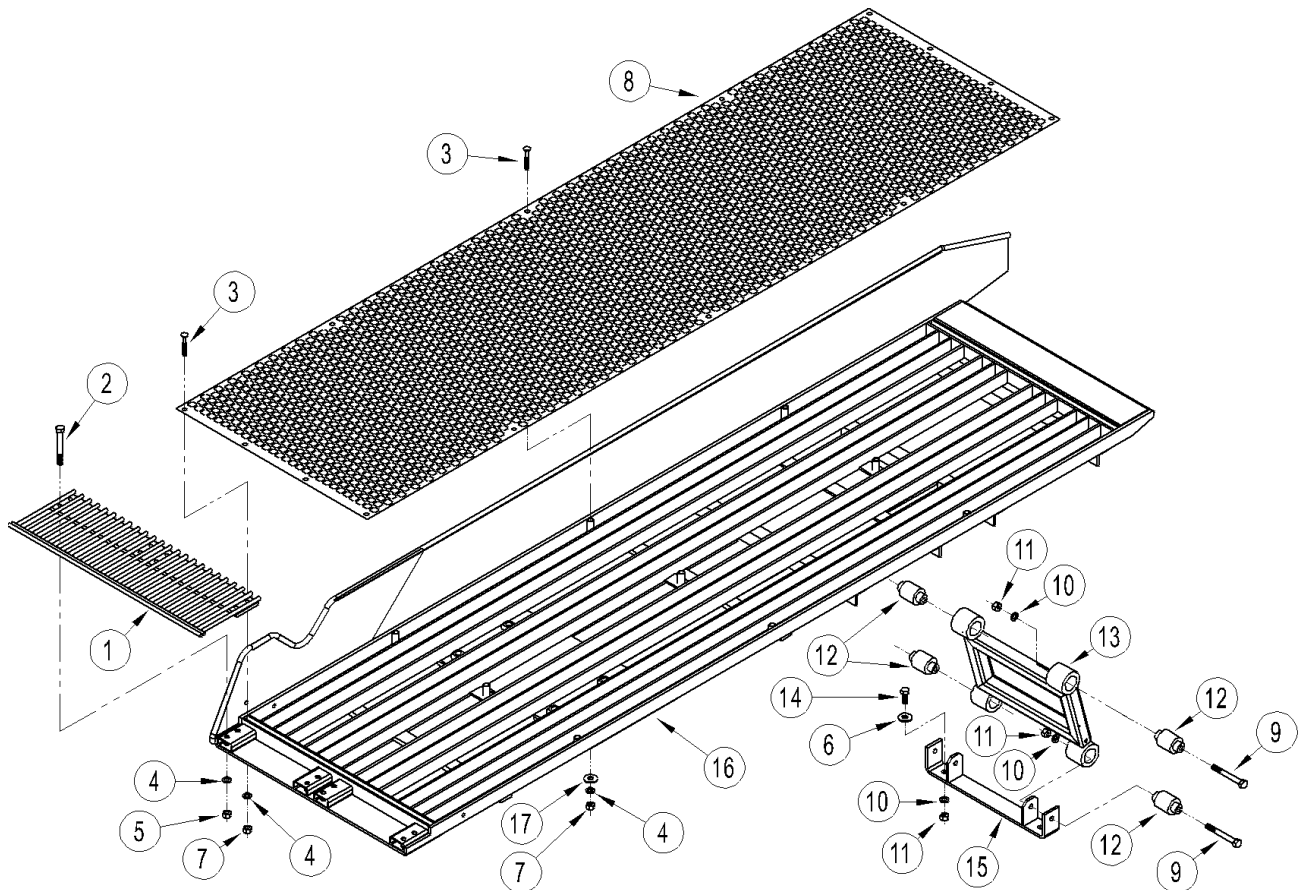
FRONT WHEEL ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	P763800	TIRE: 38 X 14.00	1
2	P750900	RIM: HEY 20 X 11 METRIC	1
	005291	WHEEL ASSY: MSE03 RH (INCLUDES 1 & 2)	1
3	P100807	HEX BOLT: 1/2" X 1-3/4"	6
4	P355700	MTR: WHEEL/BRAKE, POCLAIN MSE03	1
5	P851108	WASHER: LOCK 1/2"	6
6	P155850	NUT: 1/2" TOP-LOCK	6



SCREEN SYSTEM

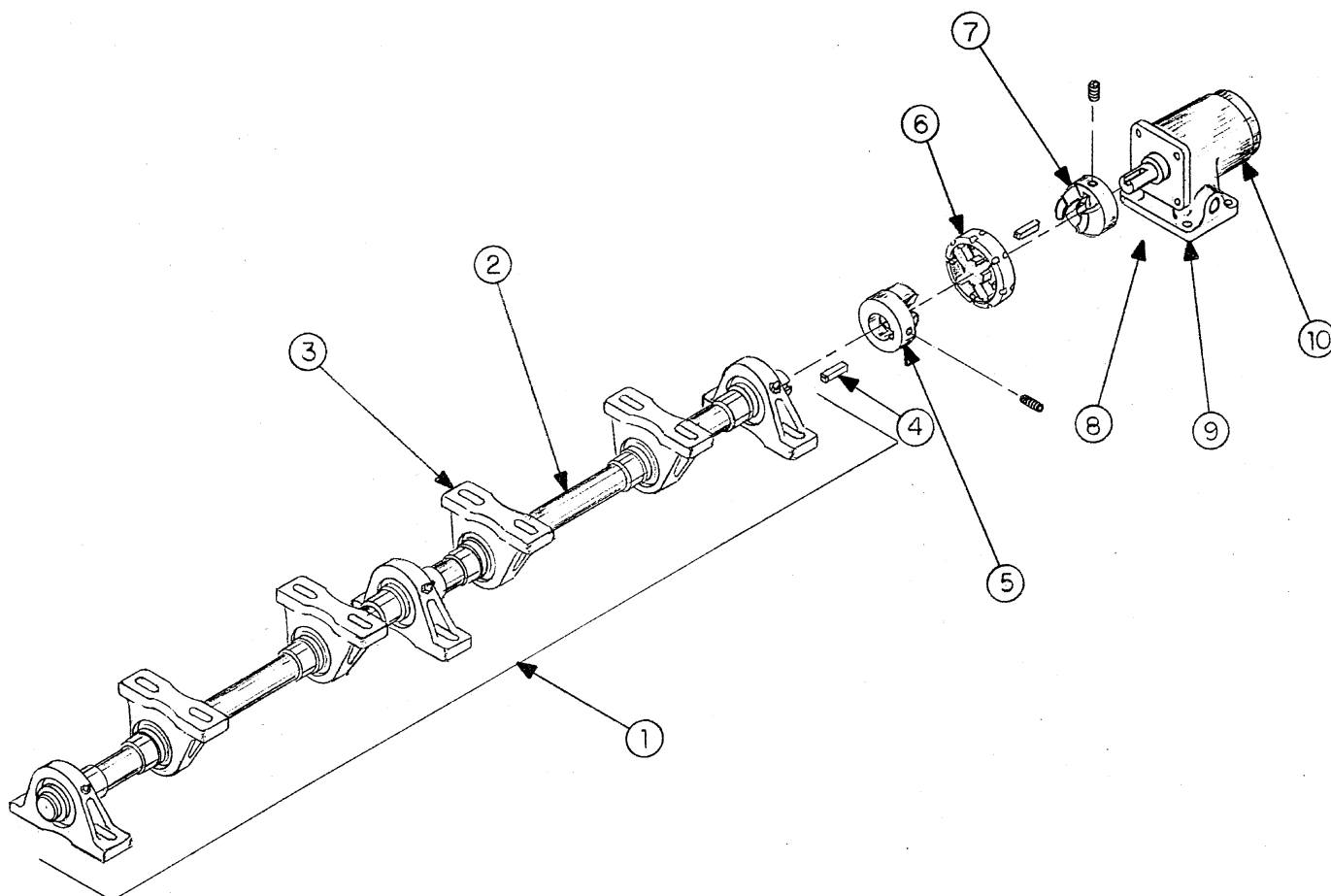
REF NO.	PART NO.	DESCRIPTION	QTY
1 *	000304W	DIGGER POINT WELD, STANDARD	2
2	P100609	BOLT: 3/8-16 NC X 2-1/4"	16
3	P114610	PLOW BOLT: 3/8-16 X 2-1/2"	28
4	P851106	WASHER: LOCK 3/8"	44
5	P155450	NUT: 3/8" TOP-LOCK	16
6	P850108	WASHER: FLAT ZINC 1/2"	4
7	P150601	HEX NUT: 3/8" GR.8 PLATED	28
8A	005232	SCREEN WLD, 3/4" WOVEN (STANDARD)	2
8B	005234	SCREENWLD, 5/8" WOVEN (OPTIONAL)	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	P850806	WASHER: FLAT SAE GR8 3/8"	20



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

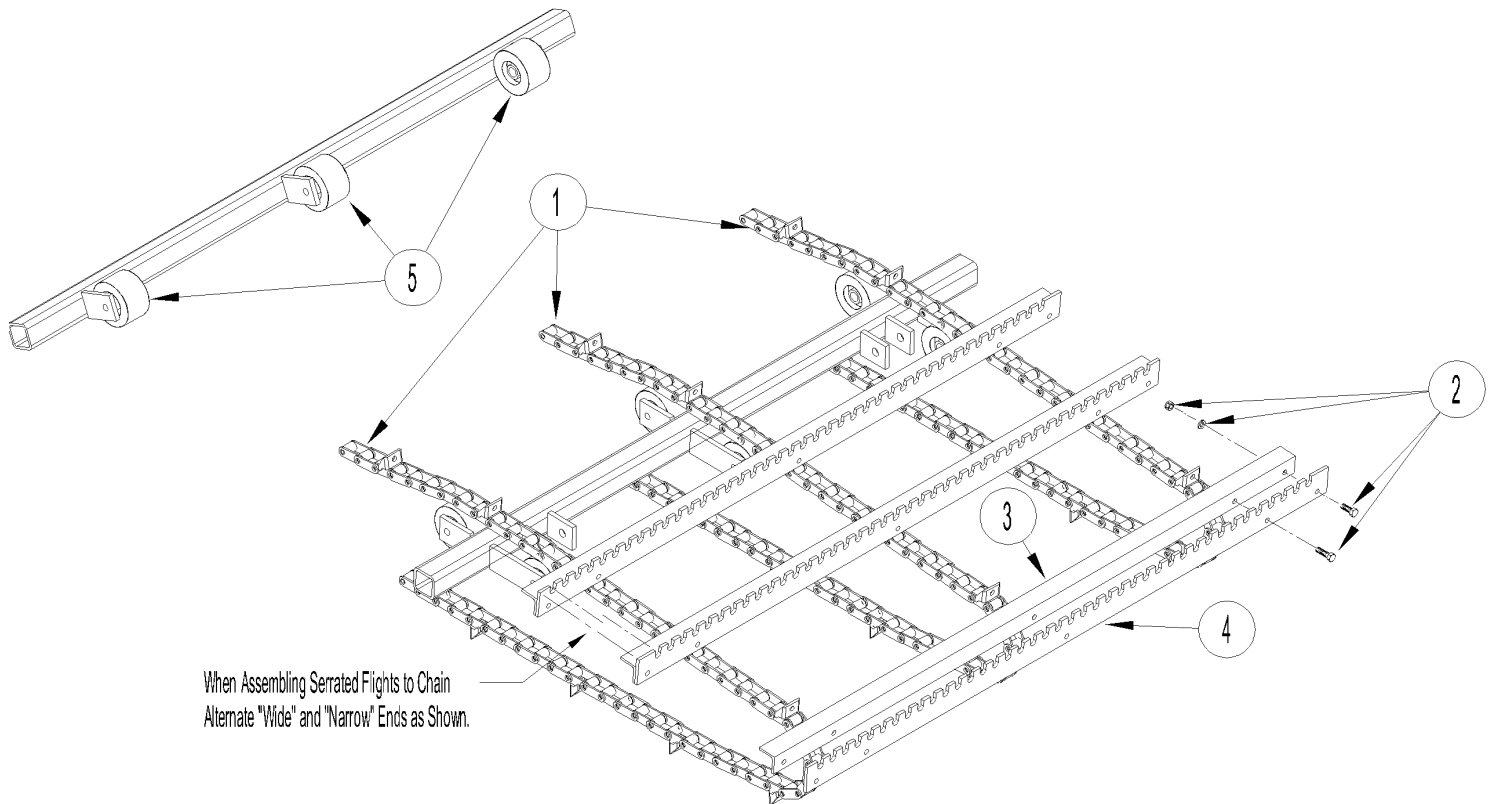
OSCILLATOR MECHANISM

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
	P272900	COUPLING ASSEMBLY (INCLUDES 5, 6, & 7)	
5	P272960	COUPLING HALF: 1-1/2" BORE FLEX	1
6	P272990	CPLG INSERT: 90 DURO SPIDER	1
7	P272930	COUPLING HALF: 1" BORE FLEX	1
8	003457	MOTOR ASSY, OSC (1017) (INCLUDES 9 & 10)	1
9	P356000	BASE BLOCK: C/L 123-1008	1
10	P351100	MTR: C/L #101-1017	1
		INCLUDES: P307300 KEY: WOODRUFF 1/4 X 1 NO.15	1
		P350900: SEAL KIT FOR MTR: C/L #101-1017	



#620 FLIGHT SYSTEM

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	P632800	CHAIN: #620 CONV 26 CLT **SEE NOTE BELOW	3
<u>Repair Parts for Ref. No. 1</u>			
	P630403	CHAIN LINK: #620 OFFSET	
	P630400	CHAIN LINK: #620 CONNECTOR	
	P630401	CHAIN LINK: #620 ATTACHMENT	
2	005351	KIT: FLIGHT MOUNTING	1
<u>Kit Parts:</u>			
	P100604	BOLT: 3/8"-16 NC X 1"	52
	P100605	BOLT: 3/8"-16NC X 1-1/4"	78
	P851106	WASHER: LOCK 3/8"	130
	P155450	NUT: TOP-LOCK 3/8"	130
3	000053M	FLIGHT MOUNTING ANGLE	26
4	000052M	FLIGHT BLADE: 52" X 2-1/4"	26
5	P761100	SNUGULATOR: 2500BD1X	9

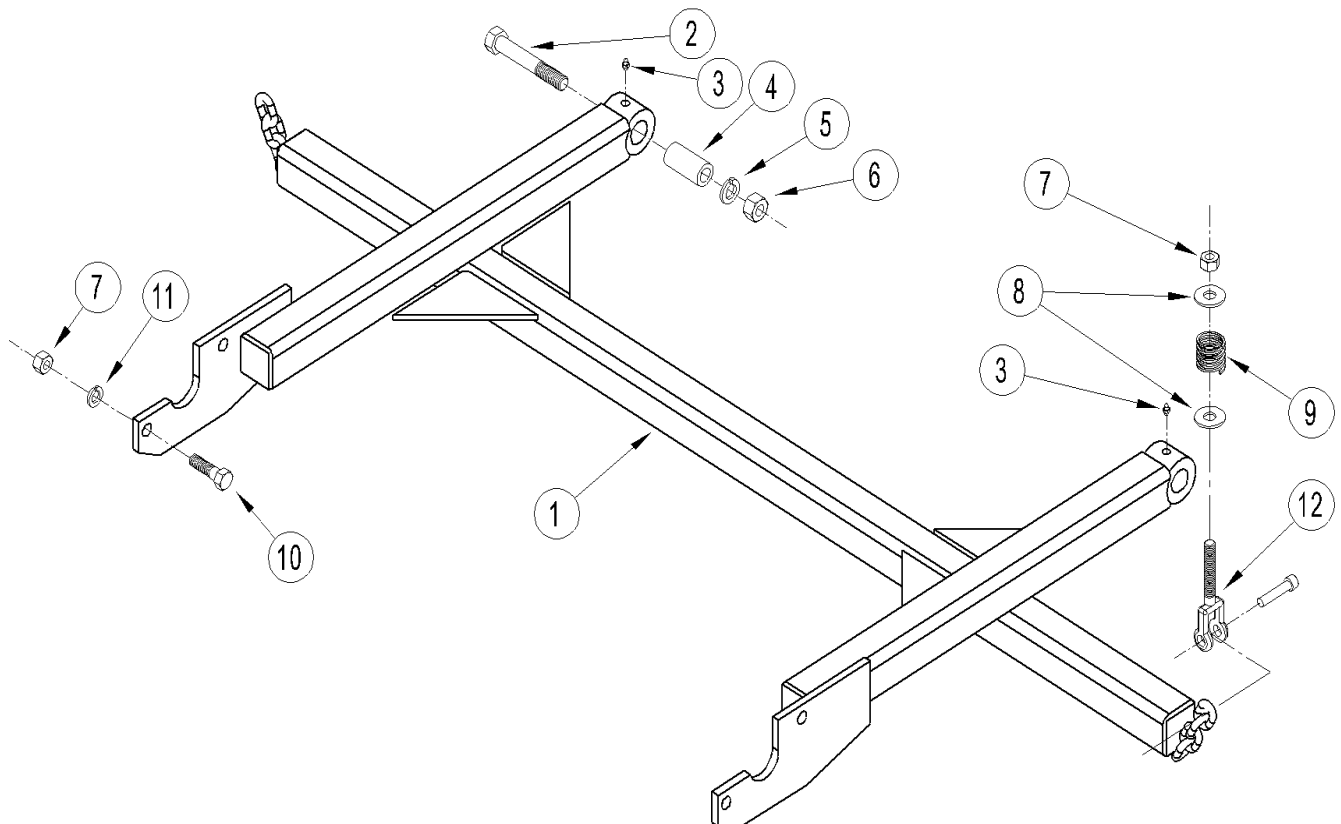


****REPLACE CHAIN WITH UPDATED P/N 71.P632820**

***NOTE CONVEYOR CHAINS / FLIGHTS / SHAFTS MAY HAVE BEEN CONVERTED TO #100 STYLE
 CONVERTED UNITS WILL HAVE QTY 2 CONVEYOR CHAINS
 SEE ADDITONAL SECTION FOR REPLACEMENT #100 CONVEYOR ITEMS**

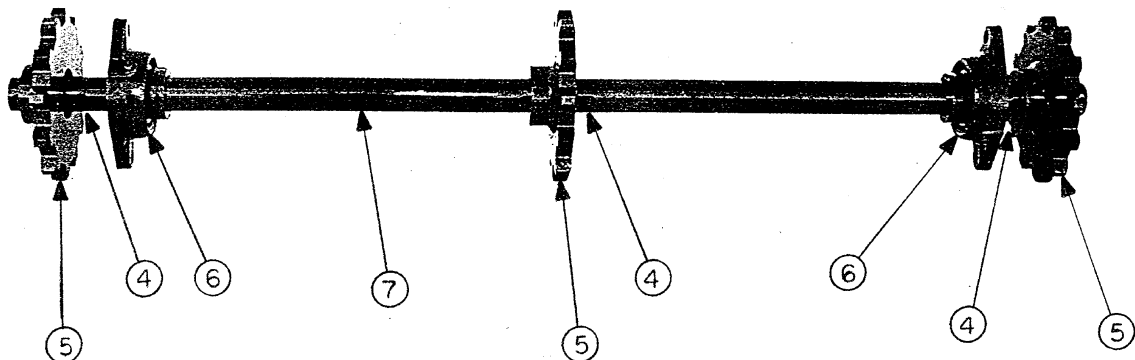
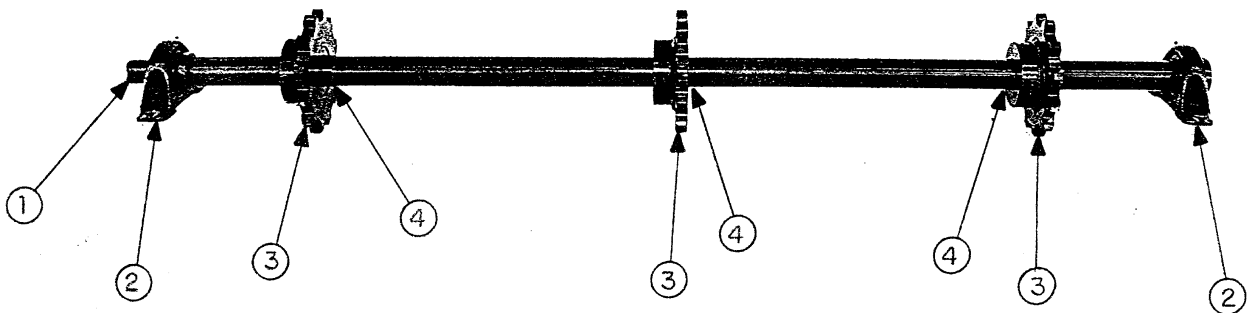
CONVEYOR SUPPORT ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	005249	CONVEYOR SUPPORT	1
2	P101016	BOLT: 5/8-11 NC X 4" GRD 8	2
3	P620200	GREASE FITTING: 1/4" 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
12	P135190	JAW END: 1/2"-13 X 9"	2



#620 CONVEYOR CHAIN 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, ASSY, 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 ASSY, FRONT CONVEYOR (INCLUDES: 4 THRU 7)	1

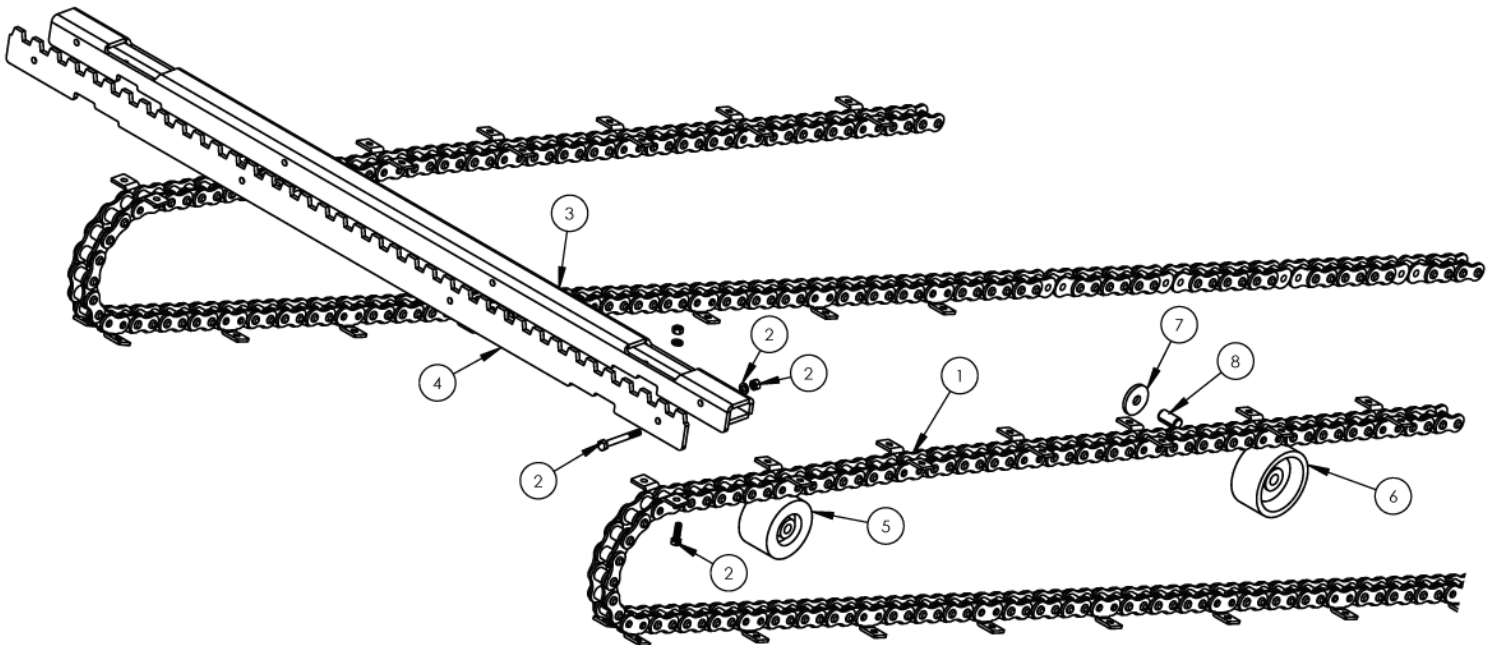


*NOTE CONVEYOR CHAINS / FLIGHTS / SHAFTS MAY HAVE BEEN CONVERTED TO #100 STYLE
 CONVERTED UNITS WILL HAVE QTY 2 CONVEYOR CHAINS
 SEE ADDITONAL SECTION FOR REPLACEMENT #100 CONVEYOR ITEMS

#100 CONVEYOR CHAIN FLIGHT SYSTEM

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	P632110	CHAIN: #100 CONV 25 CLT**SEE NOTE BELOW	2
<u>Repair Parts for Ref. No. 1</u>			
	P630101	CHAIN LINK: #100 OFFSET	
	P630100	CHAIN LINK: #100 CONNECTOR	
2	500295	KIT: FLIGHT MOUNTING	1
<u>Kit Parts:</u>			
	P100504	BOLT: 5/16"-18 NC X 1"	100
	P100511	BOLT: 5/16"-18 NC X 2-3/4"	100
	P851105	WASHER: LOCK 5/16"	200
	P155350	NUT: TOP-LOCK 5/16"	200
3	500283	FLIGHT BACK UP MT	25
4	500279	FLIGHT BLADE 5000-100	25
5	P761100	SNUGULATOR: 2500BD1X (FRONT)	4
6	P761300	URETHANE ROLLER (REAR)	2
7	M5009-5	WASHER (REAR)	2
8	500325	IDLER SLEEVE (REAR)	2

****REPLACE CHAIN WITH UPDATED P/N 71.P632144**



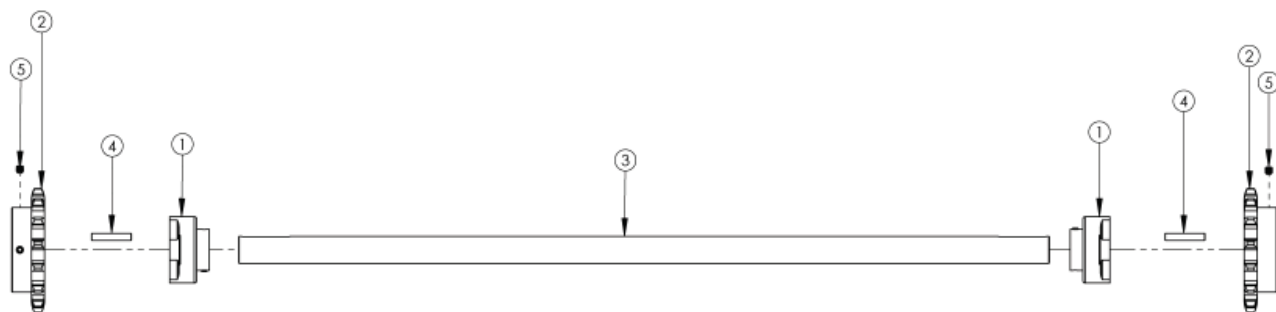
CHAIN REPAIR ITEMS:

71.P632143 #100 K1 ATTACHMENT LINK
 71.P632142 MASTER CONNECTING LINK
 71.P632141 1/2 LINK (OFFSET)

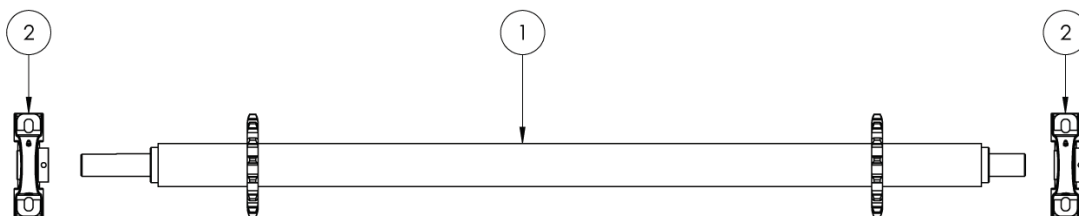


#100 CONVEYOR CHAIN SHAFT ASSEMBLY: FRONT & REAR

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	P015110	BEARING: 1-7/16 2 BOLT FLANGE
2	2	P691015	SPROCKET: H100B15 X 1.438"B KW/2S
3	1	500285	SHAFT: CONV FRONT
4	2	000534M	KEY: 3/8 X 2-1/8
5	4	P108606	SET SCREW, 3/8-16 X 3/8
*	1	500284	COMPLETE SHAFT ASSEMBLY CONTAINS ITEMS #1-#5

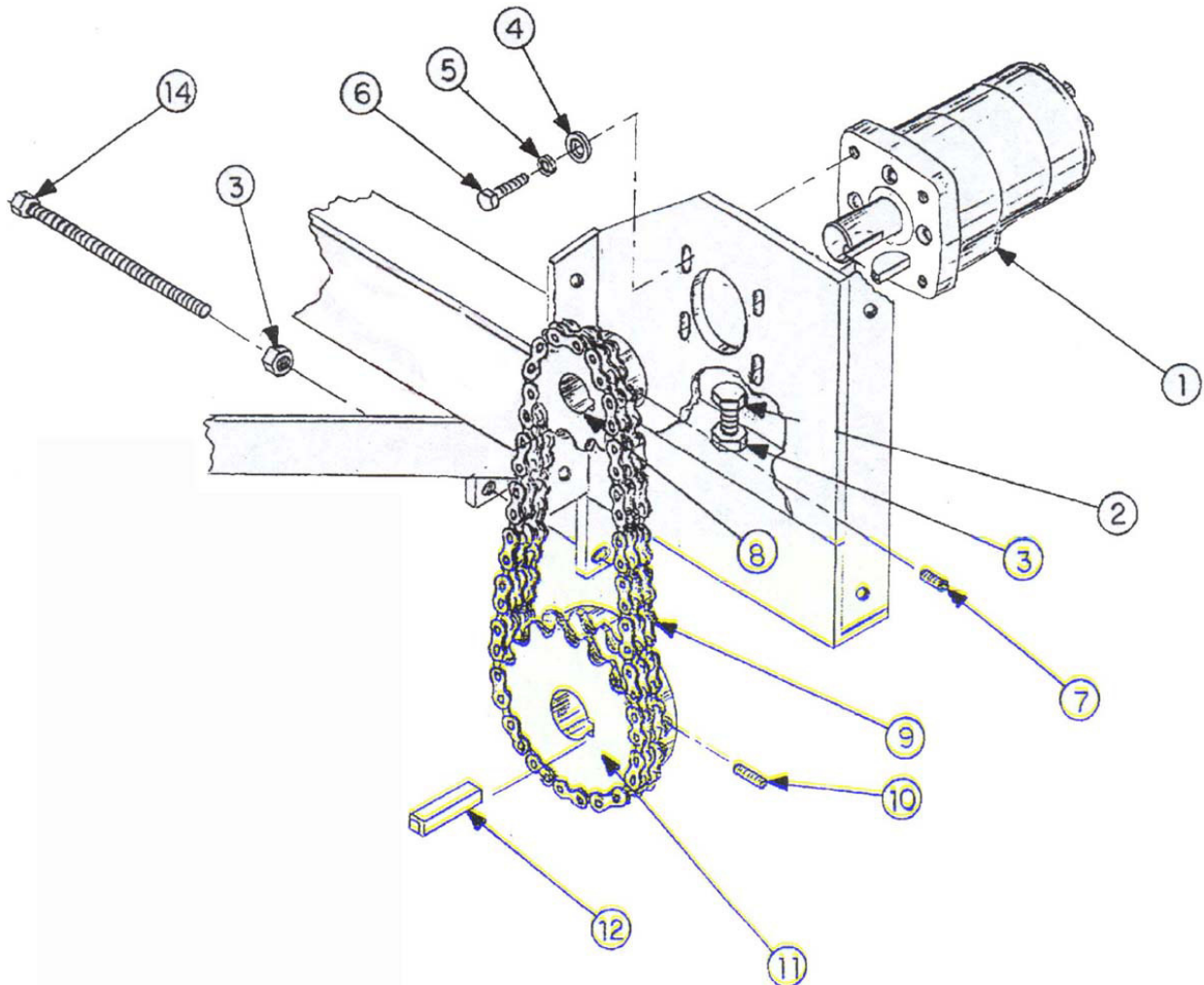


REF NO.	PART NO.	DESCRIPTION	QTY
1	500280	WLD: SHAFT REAR CONV 5000-100	1
2	500169	BEARING: 1-7/16" PB SPOT FACED	2



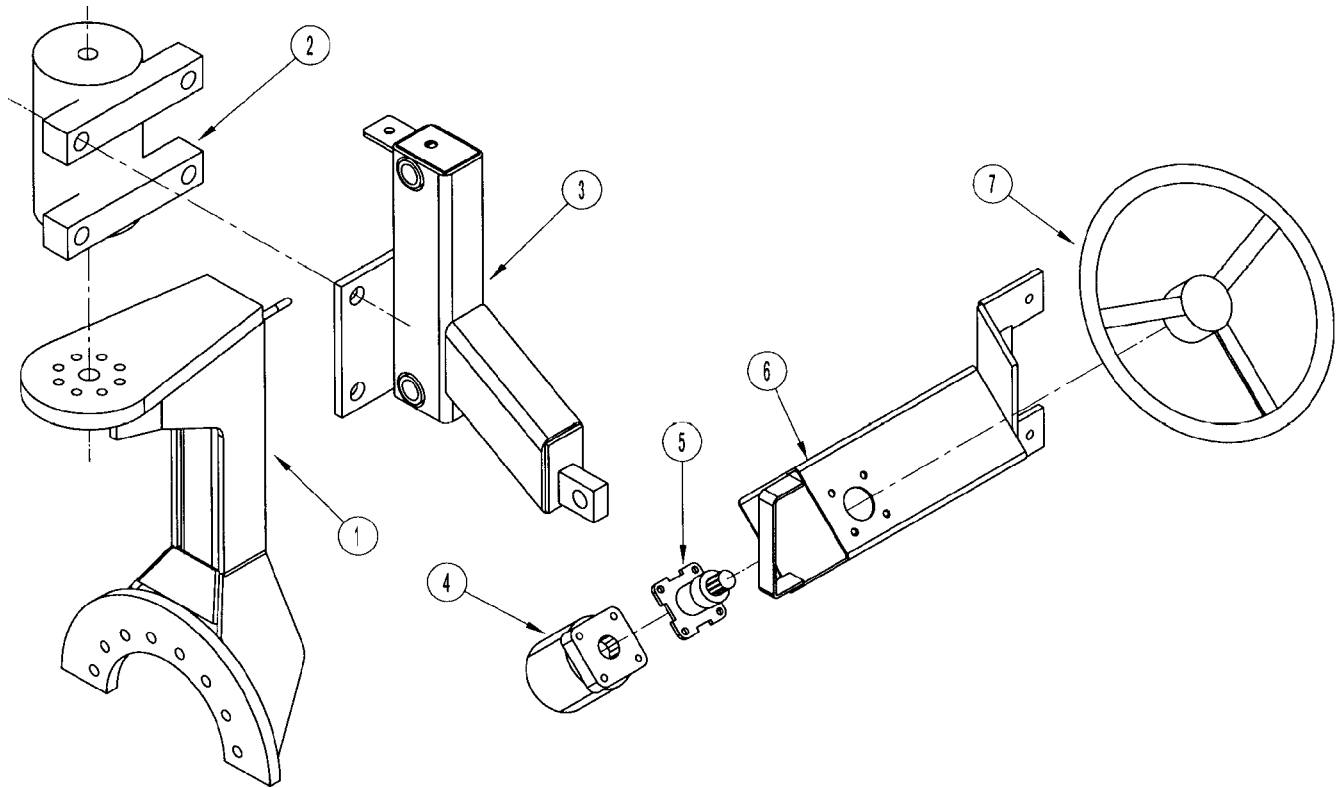
CONVEYOR DRIVE MECHANISM

REF NO.	PART NO.	DESCRIPTION	QTY
1	P352450	MOTOR: C/L 158-1571 8.0 CID "T" SERIES	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



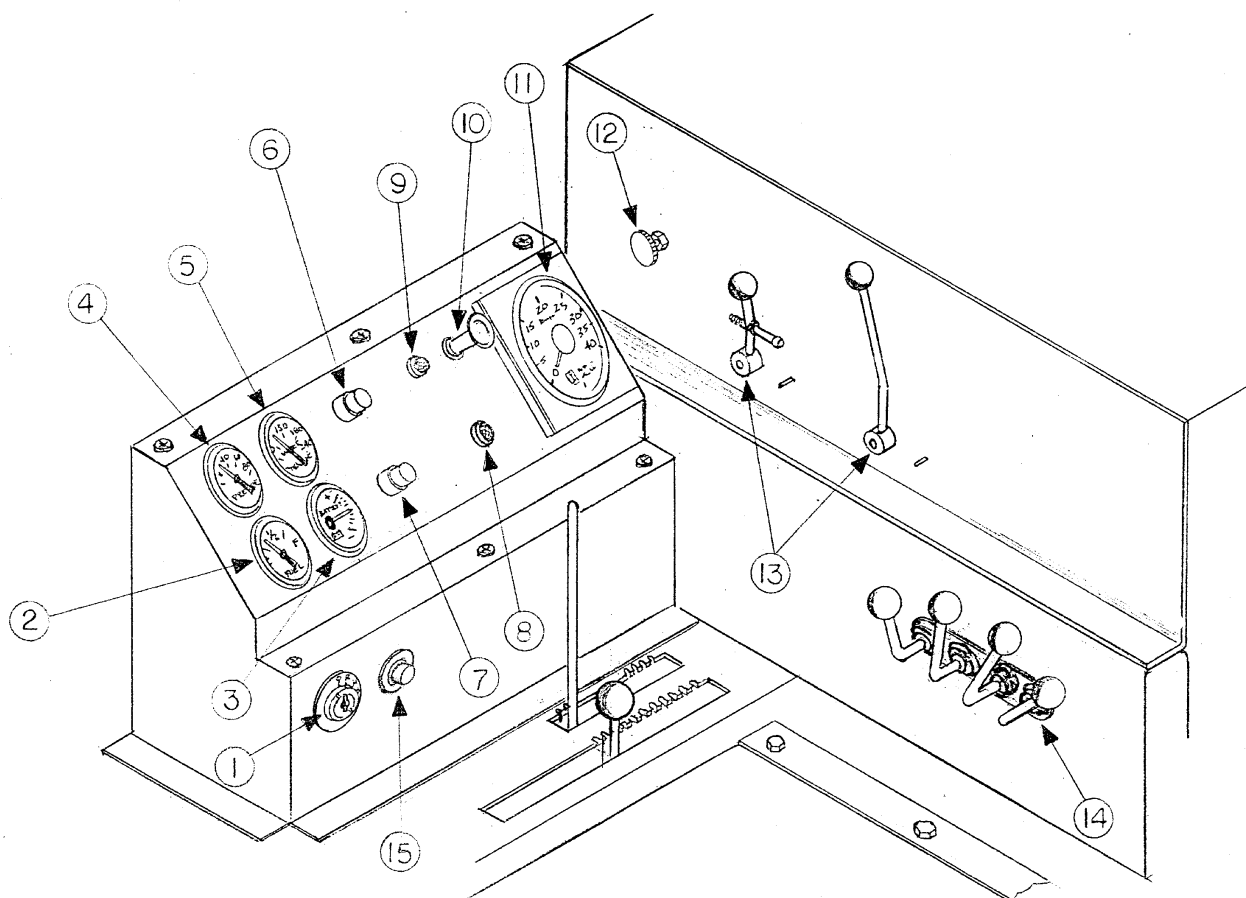
POWER STEERING COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	005294	FORK: MSE03/HELAC	1
2	P352500	ACTUATOR: HELAC STEERING L20-15E	1
3	005247	BRKT: HELAC MOUNT	1
4	P352200	MOTOR: PS, C/L 213-4002	1
5	P768510	STEERING COLUMN: C/L 204-1002	1
6	005346	STEERING BOX	1
	005349	STEERING BOX COVER	1
7	P768500	STEERING WHEEL	1



CONTROLS AND GAUGES

REF NO.	PART NO.	DESCRIPTION	QTY
1	P298140	SWITCH: IGN CH#9578	1
2	P297120	GAUGE: FUEL TANK	1
3	P297280	GAUGE: VOLTMETER	1
4	P297210	GAUGE: OIL PRESSURE	1
5	P297290	GAUGE: WATER TEMP	1
6	002444	FUSEHOLDER, RING/SPADE	1
7	002443	FUSEHOLDER, RING/BUTT	1
8	P312400	LIGHT: INDICATOR RED	1
9	P312300	LIGHT: INDICATOR GREEN	1
10	P298145	SWITCH: LIGHT	1
11	P297270	GAUGE: TACH/HM	1
12	P294300	VALVE: NEEDLE NVG	1
13	002291	VALVE, FLOW CONTROL	2
14	005149	VALVE BANK ASSY, HUSCO	1
15	P298170	SWITCH: START, PUSH BUTTON	1



HOPPER AND ROLLOVER COMPONENTS

REF NO.	PART NO.	DESCRIPTION	QTY
1	005278	HOPPER WELDMENT, HD	1
2	005280	BOOM WELDMENT CLEVIS TYPE	1
3	000124W	HOOD WELDMENT	1
4	005283	ROLLOVER CHAIN GUARD	1
5	005272	SPUD, HOPPER RIGHT	1
6	005271	SPUD, HOPPER LEFT	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	P104806	CARRIAGE BOLT, 1/2-13 X 1-1/2"	12
18	P122608	3/8" X 2" ROLL PIN	1
19	P852020	WASHER, FENDER 1/2"	2
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	P620200	GREASE FITTING: 1/4" STRAIGHT	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"	14
31	P851110	WASHER, LOCK, 5/8"	2
32	P155450	NUT, TOP LOCK, 3/8"	2
33	P155850	NUT, TOP LOCK, 1/2"	14
34	P157500	NUT, TOP LOCK, 5/8"	2
35	P100403	BOLT, HEX, 1/4-20 NC X 3/4"	20
36	P100812	BOLT HEX 1/2-13NC X 3"	2
37	P100805	BOLT, HEX, 1/2-13 X 1-1/4"	2

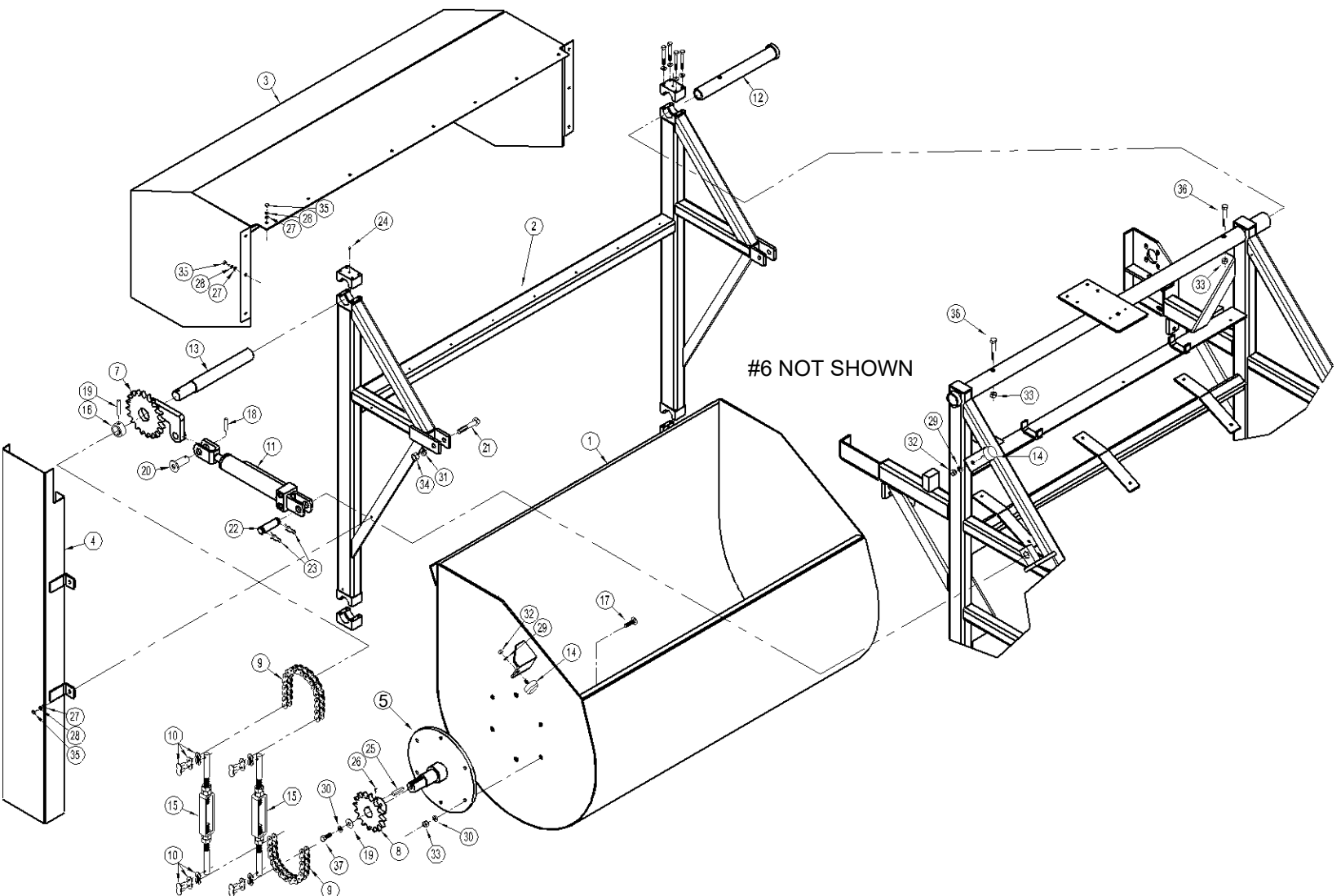
***NOT SHOWN:**

71.P259315 CYLINDER: BOOM LIFT / LOWER 5/8" PIN BOSS

71.P259316 SEAL KIT

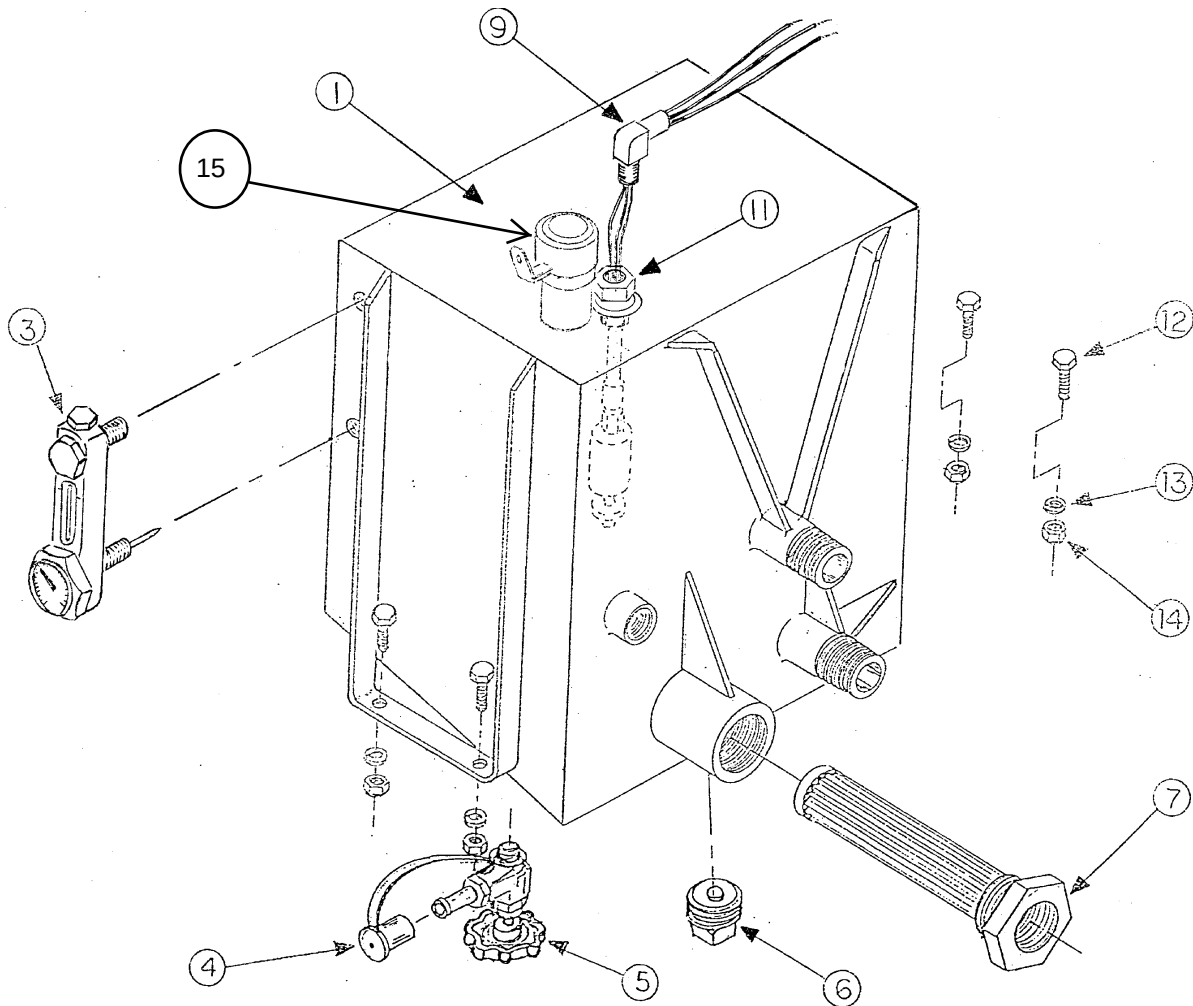
71.P294250 VALVE: LOAD CHECK

HOPPER AND ROLLOVER COMPONENTS



OIL TANK ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	QTY
1	005086	TANK, HYD ASSY, 5000 (INCLUDES: 6, 7, 9, & 11)	1
3	P297220	GAUGE: OIL SIGHT	1
4	P115920	CAP: DUST, OIL TANK DRAIN	1
5	P294010	VALVE: OIL TANK DRAIN	1
6	P270360	PLUG: MAGNETIC DRAIN 1-1/2"	1
7	P780100	STRAINER: HYD OIL	1
9	P266020	ELBOW: BRASS 3/8" NPT X 5/8"	1
11	005092	SENDER ASSY, HYD LEVEL/TEMP	1
12	P100605	BOLT: 3/8-16 NC X 1-1/4"	4
13	P851106	WASHER: LOCK 3/8"	4
14	P155450	NUT: 3/8" TOP-LOCK	4
15	71.P610000	FILL CAP	



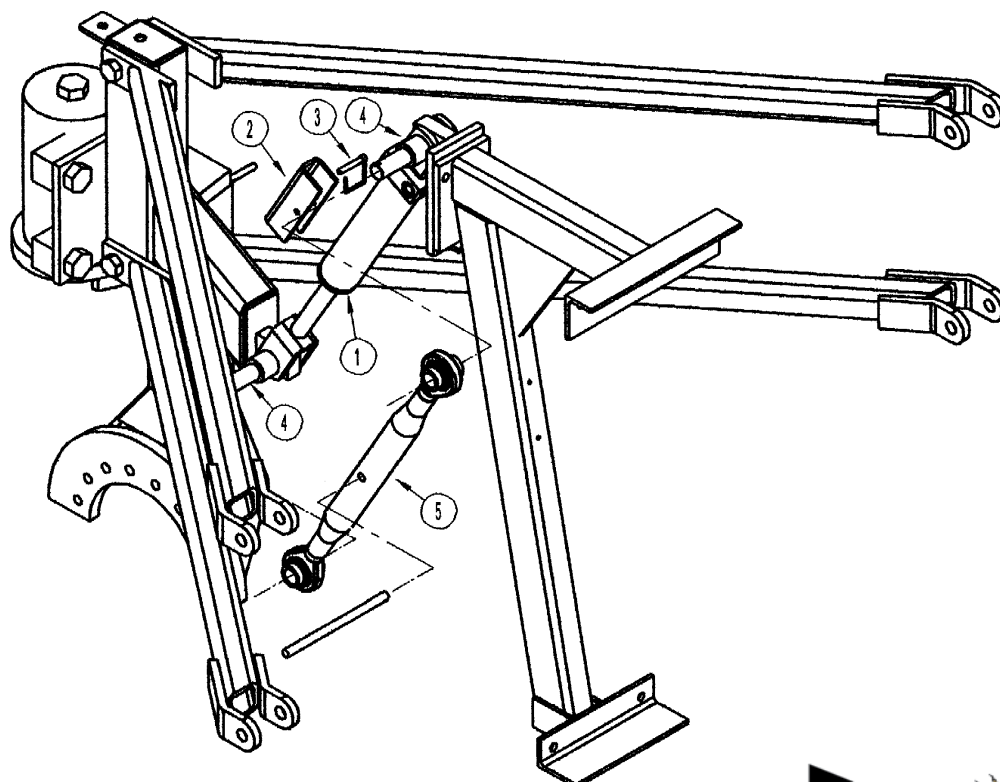
EMERGENCY TOW JACK

INSTRUCTIONS: IN CASE OF POWER OR DIGGER CYLINDER FAILURE, USE THE SCREW JACK (LOCATED IN TUBE BELOW OPERATORS PLATFORM) TO RAISE DIGGER POINTS TO ALLOW FOR TOWING.

FOLLOW THESE STEPS:

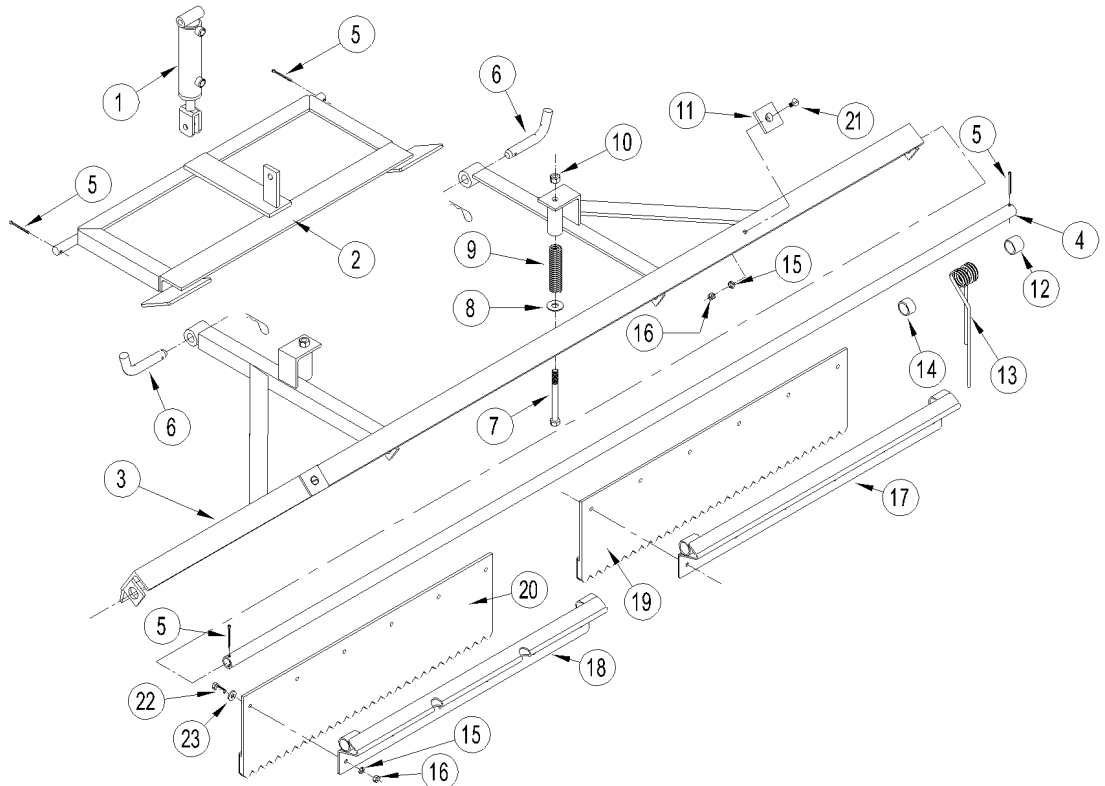
1. REMOVE SCREW HOLDING END CAP ONTO TUBE. AFTER REMOVING CAP, REMOVE THE SCREW JACK AND JACK HANDLE FROM INSIDE THE TUBE.
2. ATTACH SCREW JACK ONTO PINS ATTACHING DIGGER CYLINDER TO MACHINE.
3. USE THE SUPPLIED JACK HANDLE TO TURN JACK, WHILE PERIODICALLY RELEASING LINE PRESSURE BY OPERATING 'DIGGER' VALVE HANDLE.
4. FOR ADDED SAFETY, INSTALL SAFETY STOP AND STROKE CONTROL SET ON THE DIGGER CYLINDER.

REF NO.	PART NO.	DESCRIPTION	QTY
1	P259305	CYLINDER, 2B X 10S w/CAV	1
2	003076	STOP, DIGGER CYLINDER, SAFETY	1
3	P123005	LOCK PIN: 5/16"	1
4	005248	PIN: CYL/JACK	2
5	P301400	JACK: SCREW TL174	1



GROOMER ASSY

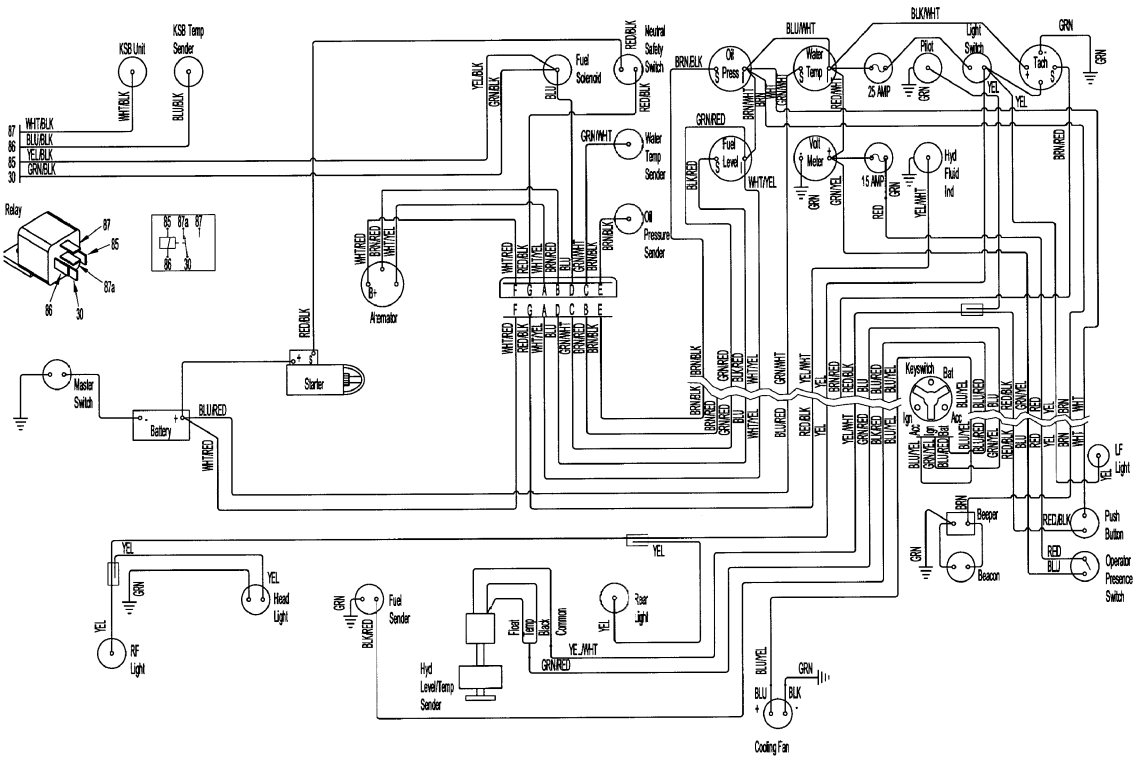
REF NO.	PART NO.	DESCRIPTION	QTY
1	P259150	CYLINDER, GROOMER	1
	P259151	SEAL KIT: RKT 1.5-0047	1
2	004864	LIFT BRKT, GROOMER	1
3	004862	GROOMER BAR	1
4	004229	PIPE, SPRING MOUNT	1
5	P116308	COTTER PIN: 3/16" X 2"	4
6	P121200	BENT HITCH PIN: 3/4" X 3-1/2"	2
7	P100822	BOLT: 1/2-13 X 5-1/2"	2
8	P850108	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	(OPTIONAL) SPACER, GROOMER 1"	33
13	004243	(OPTIONAL) SPRING	36
14	004263	(OPTIONAL) SPACER, GROOMER 3/4"	2
15	P851105	WASHER: LOCK 5/16"	20
16	P150500	HEX NUT: 5/16" PLATED	20
17	005339	GROOMER COMB BRKT; CENTER	1
18	005340	GROOMER COMB BRKT; OUTSIDE	2
19	005337	GROOMER COMB CENTER	1
20*	005338	GROOMER COMB OUTSIDE SEE NOTES FOR UPDATED P/N	2
21	P103810	BOLT: FLAT HEAD 5/16" X 1"	2
22	P100504	BOLT: 5/16-18 NC X 1"	18
23	P850105	WASHER: FLAT ZINC 5/16"	18



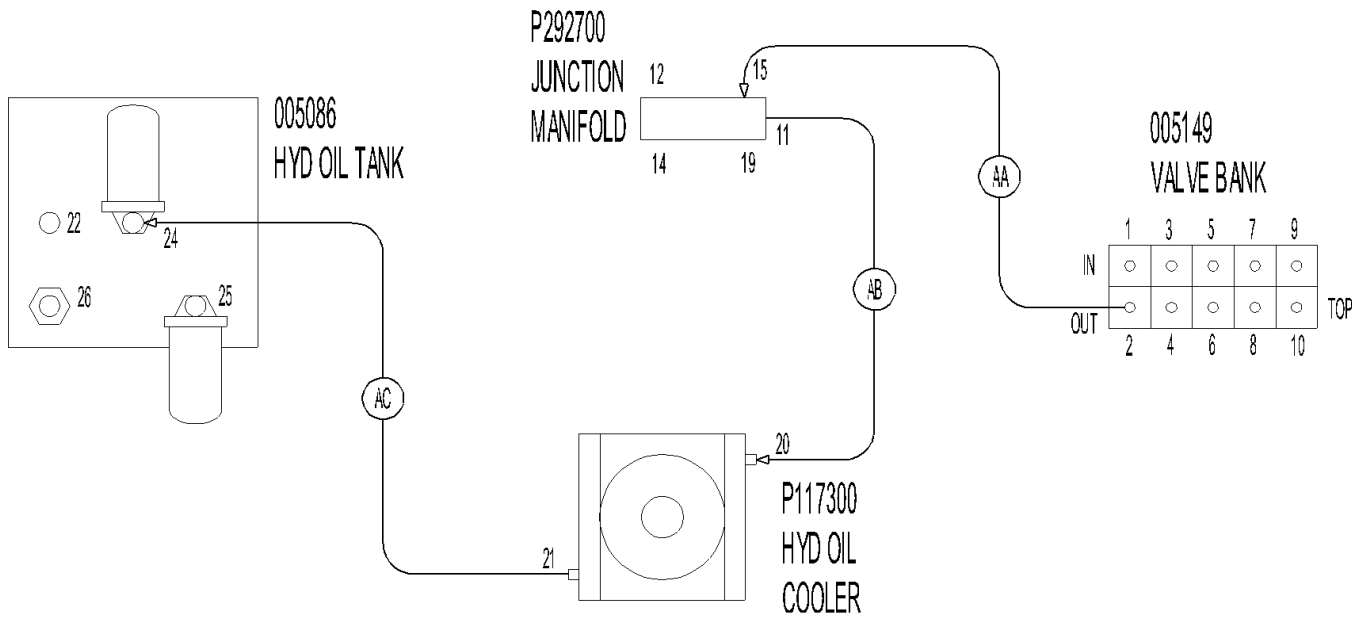
#20) 005338 GROOMER COMB OUTSIDE REPLACED BY P/N 71.500131 RIGHT AND 71.500132 LEFT

71.500089 COMPLETE GROOMER ASSEMBLY
CONTAINS ITEM# 3, 4, 7-11, 15-23 FULLY ASSEMBLED

WIRING DIAGRAM



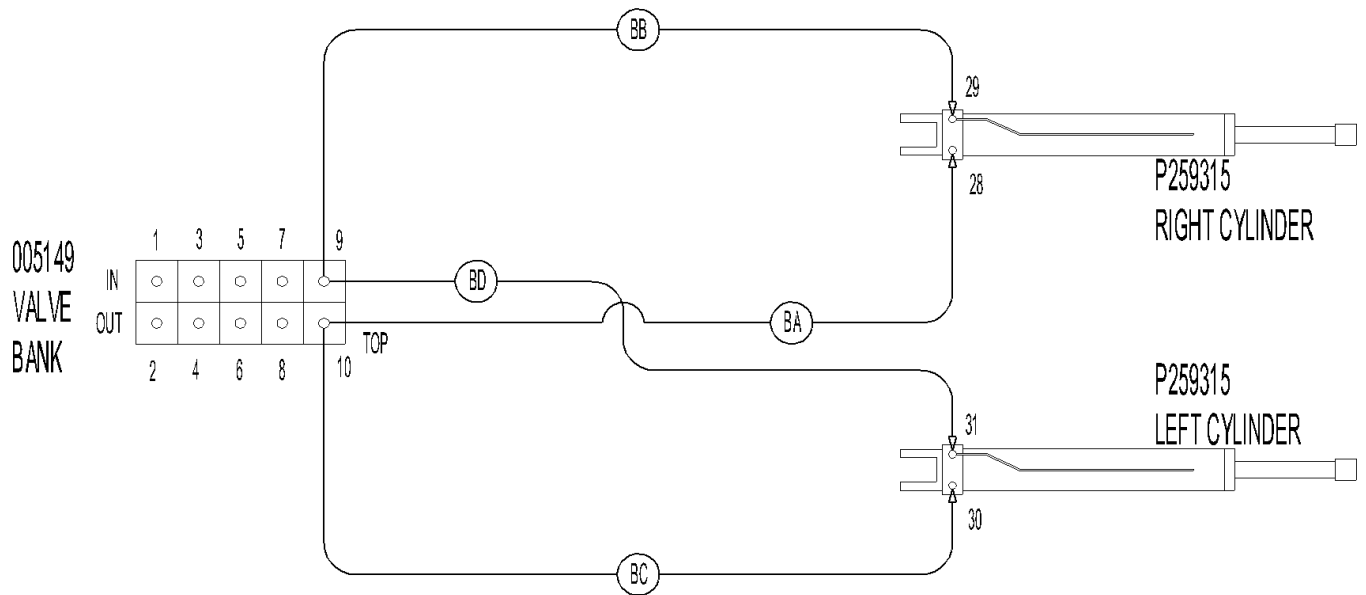
HYDRAULIC RETURN/COOLER CIRCUIT



71.P117310 HYD COOLING FAN

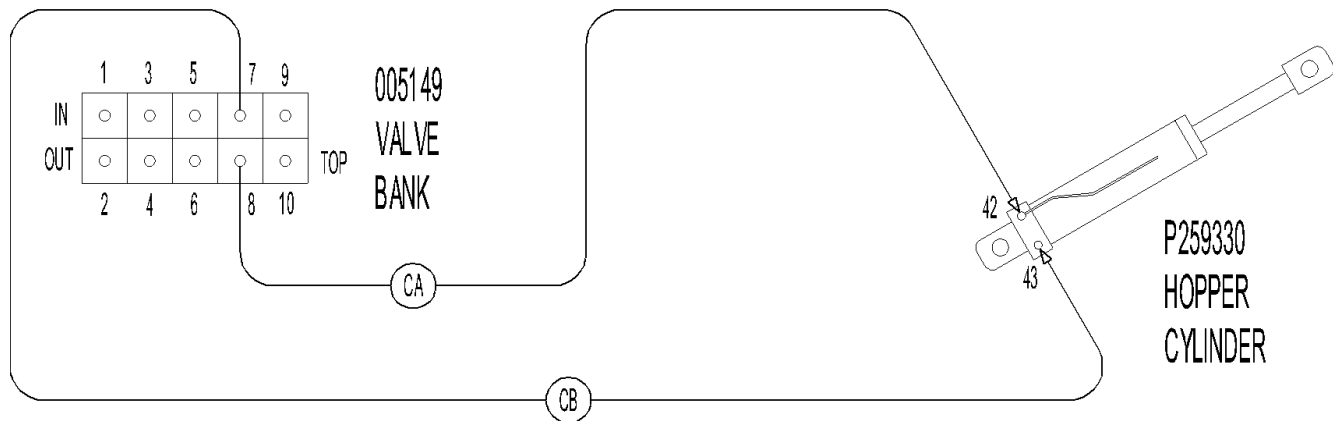
- AA. 12MJ-10MB, Hose P286052, 12MJ-10MB90
- AB. 16MJ-16MB90, Hose P288045, 16MJ-16MB90
- AC. 16MJ-16MB90, Hose P288021, 16MJ-20MB45, FILTER, 20MB-20FP

HOPPER LIFT CIRCUIT



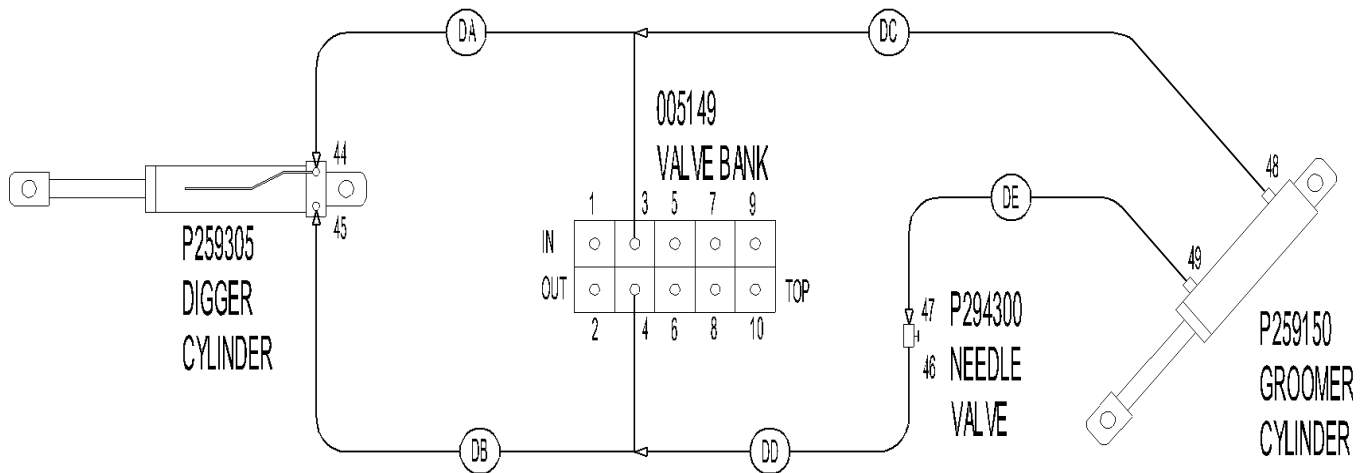
- BA. 6MJ-8MB .115R, 6MJ-6FJX-6MJ, Hose P283059, 6MJ-6MB90
- BB. 6MJ-8MB, 6MJ-6FJX-6MJ, Hose P283059, 6MJ-6MB90
- BC. Hose P283197, 6MJ-6MB90
- BD. Hose P283197, 6MJ-6MB90

HOPPER ROLLOVER CIRCUIT



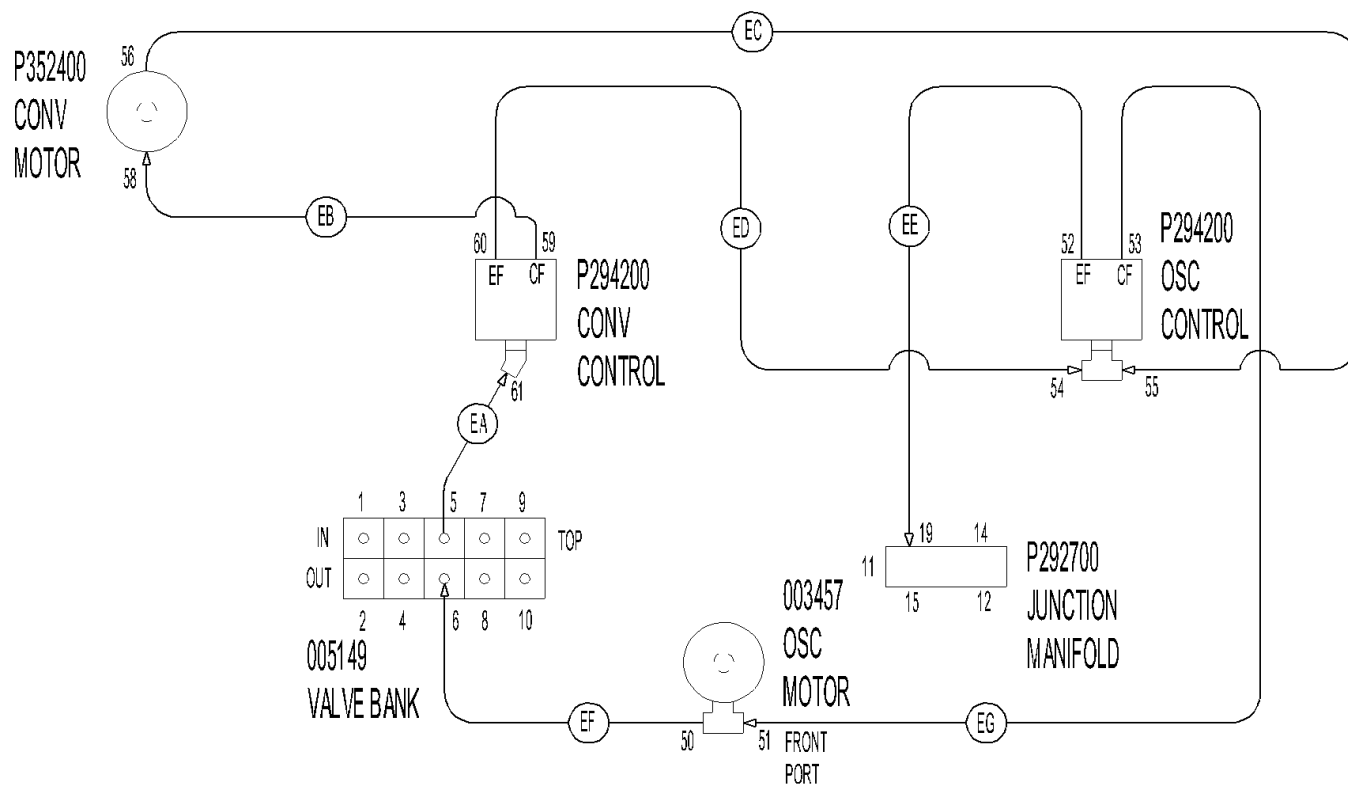
- CA. GP-8MJ-8MB-4FP, Hose P283811, 6MJ-6MB90
CB. 6MJ-8MB .035R, Hose P283112, 6MJ-6MB90

DIGGER/GROOMER CIRCUIT



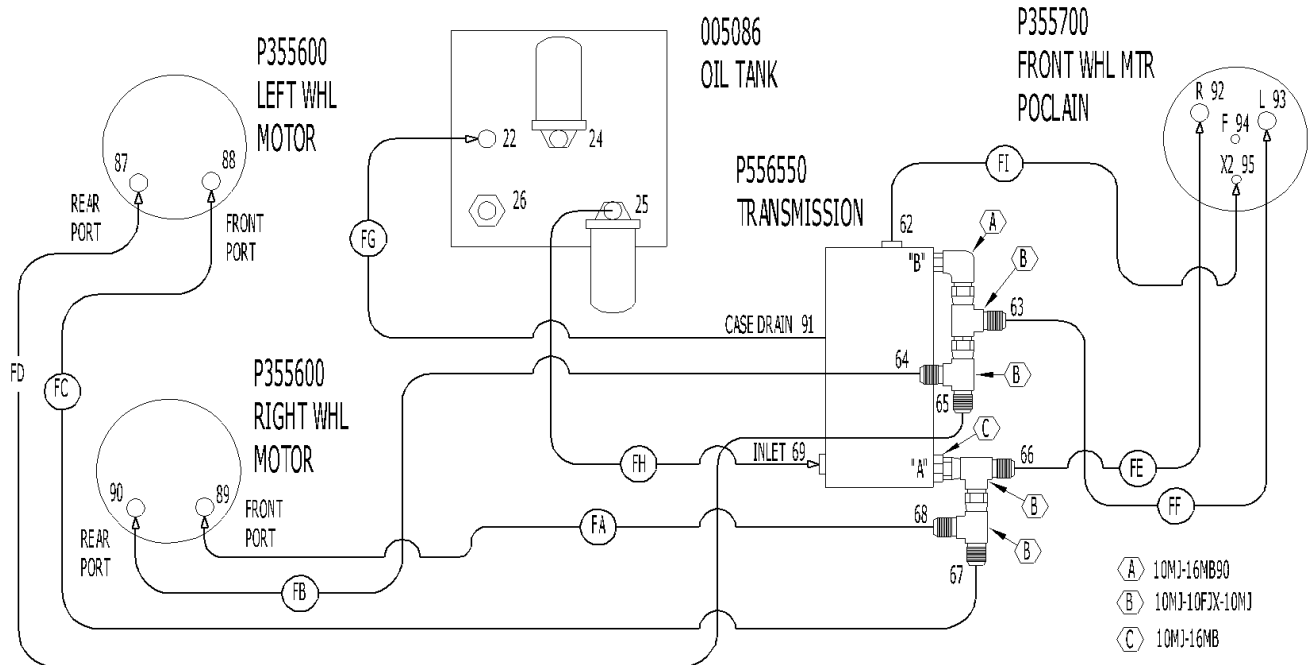
- DA. 6MJ-8MB, 6MJ-6FJX-6MJ, Hose P283124, 6MJ-6MB90
- DB. 6MJ-8MB .065R, 6MJ-6FJX-6MJ, Hose P283124, 6MJ-6MB90
- DC. 4MJ-4MP90, Hose P282126
- DD. 4MJ-4MP90, Hose P282024
- DE. 4MJ-4MP90, Hose P282150, 4MJ-4MP90

CONVEYOR/OSCILLATOR CIRCUIT



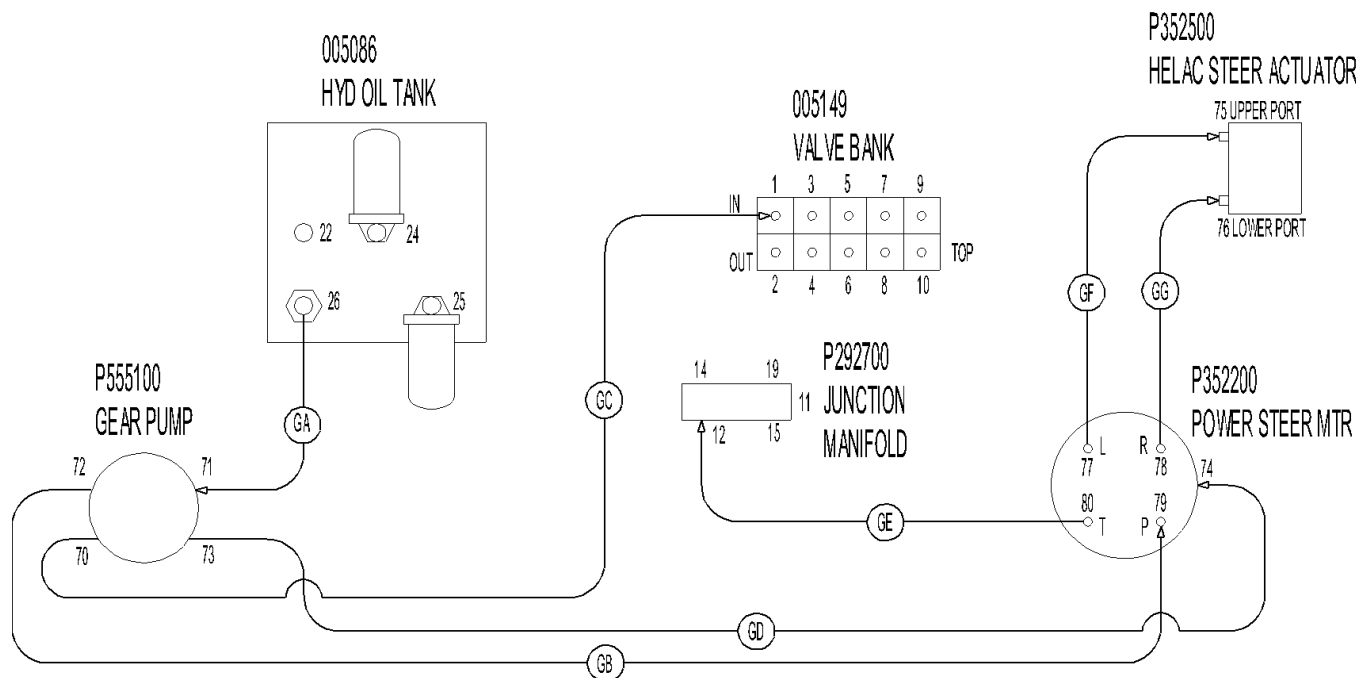
- EA. 8MJ-8MB, Hose P284024, 8MJ-12MB45
- EB. 8MJ-12MB90, Hose P284902, 8MJ-10MB45
- EC. 8MJ-10MB45, Hose P284196, 8MJ-8MJ-8FJX, 8MJ-12MB
- ED. 8MJ-12MB90, Hose P284025
- EE. 8MJ-12MB90, Hose P284065, 8MJ-10MB90
- EF. 8MJ-10MB90, Hose P284081, 8MJ-8MB
- EG. 8MJ-12MB90, Hose P284095, 8MJ-10MB90

HYDROSTATIC DRIVE CIRCUIT



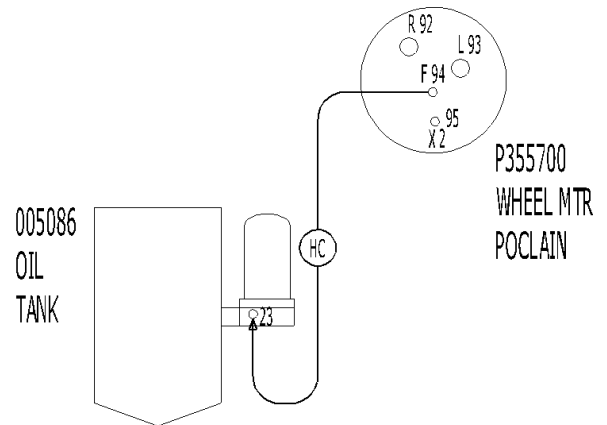
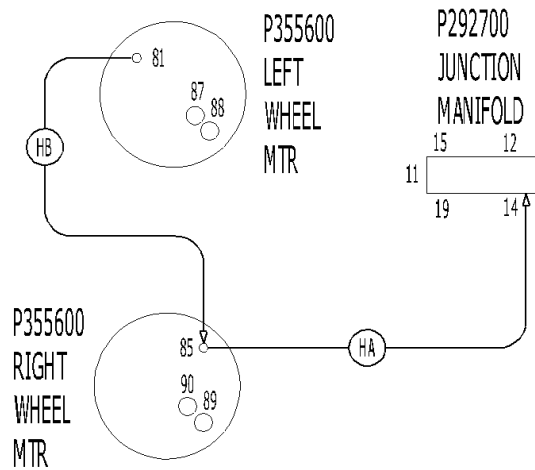
- FA. Hose P284908, 8MJ-10MB
- FB. Hose P284908, 8MJ-10MB
- FC. Hose P284946, 8MJ-10MB
- FD. Hose P284946, 8MJ-10MB
- FE. Hose P284496, 8MJ-10MB
- FF. Hose P284496, 8MJ-10MB
- FG. 8MJ-12MB, Hose P284031, 8MJ-8MP90
- FH. 20MB-20FP, FILTER, 16MJ-20MB90, Hose P288026, 16MJ-16MB
- FI. 4MJ-6MB90, Hose P282400, 4MJ-6MB

POWER STEERING CIRCUIT



- GA. 20MJ-20MP90, Hose P289030, 20MJ-16MB
- GB. 6MJ-8MB90, Hose P283923, 6MJ-8MB
- GC. 12MJ-10MB45, Hose P286075, 12MJ-10MB
- GD. 4MJ-4MB, Hose P282118, 4MJ-4MB90
- GE. 6MJ-8MB, Hose P283110, 6MJ-6MB90
- GF. 6MJ-8MB, Hose P283084, 6MJ-4MB90
- GG. 6MJ-8MB, Hose P283084, 6MJ-4MB90

WHEEL MOTOR CASE DRAIN CIRCUIT



- HA. 4MJ-6MB, 4MJ-4FJX-4MJ, Hose P282994, 4MJ-6MB90
- HB. 4MJ-6MB, Hose P282069
- HC. 4MJ-6MB, Hose P282445, 4MJ-2MP90