ROADTEC SB-2500 SHUTTLE BUGGY MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 120489-S
S/N. 410-423
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ROADTEC
an Astec company

HOW TO ORDER PARTS

THE ROADTEC PARTS DEPARTMENT NEEDS THE FOLLOWING INFORMATION TO PROCESS YOUR ORDER PROPERLY AND ACCURATELY.

1. YOUR COMPANY'S NAME AND PURCHASE ORDER NUMBER.
2. NAME AND ADDRESS OF PERSON OR PLACE TO WHOM PARTS ARE TO BE SHIPPED.
3. METHOD OF SHIPMENT. (MOTOR FREIGHT, UPS, AIR, ETC...)
4. MODEL AND SERIAL NUMBER OF THE MACHINE FOR WHICH PARTS ARE BEING ORDERED.
5. PART NUMBER, DESCRIPTION, AND QUANTITY OF PARTS.
6. THE LOCATION OF PART(S) IN THE ROADTEC PARTS MANUAL.

ONCE THE ABOVE INFORMATION HAS BEEN OBTAINED, CONTACT THE ROADTEC PARTS DEPARTMENT AT :

ROADTEC INC. / PARTS DEPARTMENT
2909 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
MONDAY-FRIDAY 7:00AM – 8:30PM EASTERN
SATURDAY 7:00AM – 12:00PM EASTERN
PHONE : (423) 622-9202 **TOLL FREE : 1-877-266-8882**
PARTS FAX : 423-622-9072 **USED SALES FAX : 423-622-7318**

RESPONSIBILITY FOR BREAKAGE, LOSS OR DAMAGED GOODS, CEASES UPON DELIVERY OF THE MERCHANDISE TO THE TRANSPORTATION COMPANY FOR WHICH A RECEIPT IS RECEIVED SHOWING THAT THE SHIPMENT WAS ACCEPTED BY THEM IN GOOD CONDITION. IF ANY OF THE MATERIAL LISTED ON THE BILL OF LADING OR EXPRESS RECEIPT IS SHORT, BROKEN, OR DAMAGED, DO NOT ACCEPT THE SHIPMENT UNTIL THE CARRIERS AGENT MAKES A NOTATION OF THE SHORTAGE OR DAMAGE ON THE EXPENSE BILL. NOTIFY THE TRANSPORTATION COMPANY'S AGENT AT ONCE AND REQUEST AN INSPECTION.

THIS IS ABSOLUTELY NECESSARY.

IF THE AGENT DOES NOT MAKE AN INSPECTION, THEN AN AFFIDAVIT SHOULD BE MADE STATING THAT HE WAS NOTIFIED (ON THE DATE) AND FAILED TO DO THE INSPECTION. THIS AFFIDAVIT WITH OTHER PAPERS WILL PROPERLY SUPPORT YOUR CLAIM.

WARRANTY

Manufacturer (Roadtec, Inc.) warrants, commencing with the date of shipment to first end-user and for a period of 12 months thereafter or 1,000 hours of operation, whichever occurs first, all machinery and parts manufactured by Roadtec, Inc. to be free from defects in workmanship and material. **Warranty remains in force for the above time period only if all Manufacturer's operational procedures are followed and recommended maintenance is performed.** If, within such warranty period, any machinery or parts shall be proved to Manufacturer's satisfaction to be defective, it shall be repaired or replaced, at the Manufacturer's option, F.O.B. Manufacturer's warehouse. All failed parts or components must be returned to Manufacturer prepaid for inspection before credit will be issued for new parts or components. Manufacturer's obligation hereunder shall be confined to such repair or replacement and does not include any charges, direct or indirect, for removing or replacing defective machinery or parts.

Wear parts such as: conveyor lines, screed plates, cutter teeth, tooth holders, scraper blades, track pads, tires and conveyor belts are warranted only if found to be defective at time of shipment, but are not warranted for the warranty period as far as wear or abuse.

No warranty shall apply to machinery, or parts or accessories which have been furnished, repaired or altered by others so as, in Manufacturer's judgement, to affect the same adversely or which shall have been subject to negligence, accident or improper care, installation, maintenance, storage or other than normal use or service, during or after shipment. With respect to machinery, parts or accessories to Manufacturer's products which are furnished but not manufactured by Manufacturer, Manufacturer's warranty obligation shall in all respects conform and be limited to the warranty extended to Manufacturer by its supplier or, if none, to the warranties expressed herein.

The foregoing warranties are in lieu of all other warranties expressed or implied including but not limited to any warranty or merchantability of fitness for a particular purpose, and Manufacturer shall not be subject to any other obligations or liabilities whatsoever with respect to machinery, parts, accessories or services manufactured or furnished by it or any undertakings, acts or omissions relating thereto. Under no circumstances shall Manufacturer be liable for any consequential or other damages, expenses, losses or delays howsoever caused. There are no warranties that extend beyond the description on the face hereof.

ROADTEC
an Astec Industries Company

ROADTEC, INC.
Chattanooga, Tennessee

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects and other reproductive harm

GENERAL INFORMATION

This parts manual contains a listing of all parts of the ROADTEC© Shuttle Buggy® Material Transfer Vehicle. A sectional index immediately follows this introduction.

This catalog is divided into Numerical sections, each section has an alphabetical table of contents of its assemblies. The pages within each section are numbered with the section number and the number of the page within the section such as 1.1 (Sect. 1, Page 1, etc...). The page numbers are located bottom center of each page.

The parts shown in the illustrations are numbered and correspond to the number appearing in the REF. NO. column of the parts list immediately following the illustration. DO NOT ORDER PARTS BY THE REFERENCE NUMBERS. Each Ref. No. is followed by the ROADTEC part number for that particular part.

When ordering parts, be sure to provide the serial number of the machine for which the parts are being ordered. Specify how parts shipment is to be forwarded.(See " How To Order Parts." On the inside front cover of this catalog.)

Record the serial no. of your machine, its engine, and any other equipment in the space provided below. Our Service Department will need this information to provide you with prompt, efficient service when you order parts or optional equipment.

The warranty on this equipment appears on the inside back cover of this catalog.

MACHINE RECORD **Date Purchased** _____

MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:

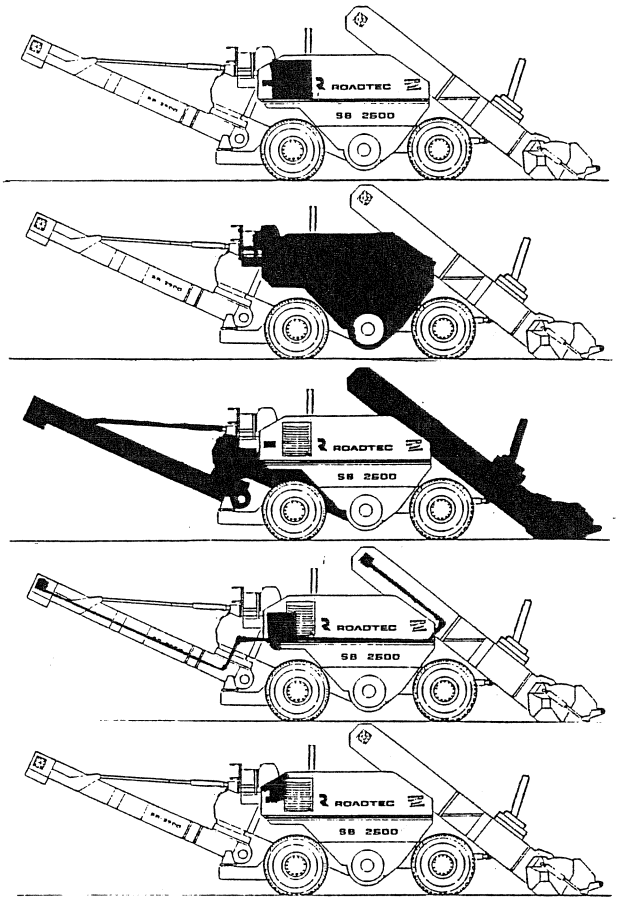
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:

OPTIONS :
SERIAL NO.:
CATALOG NO.:

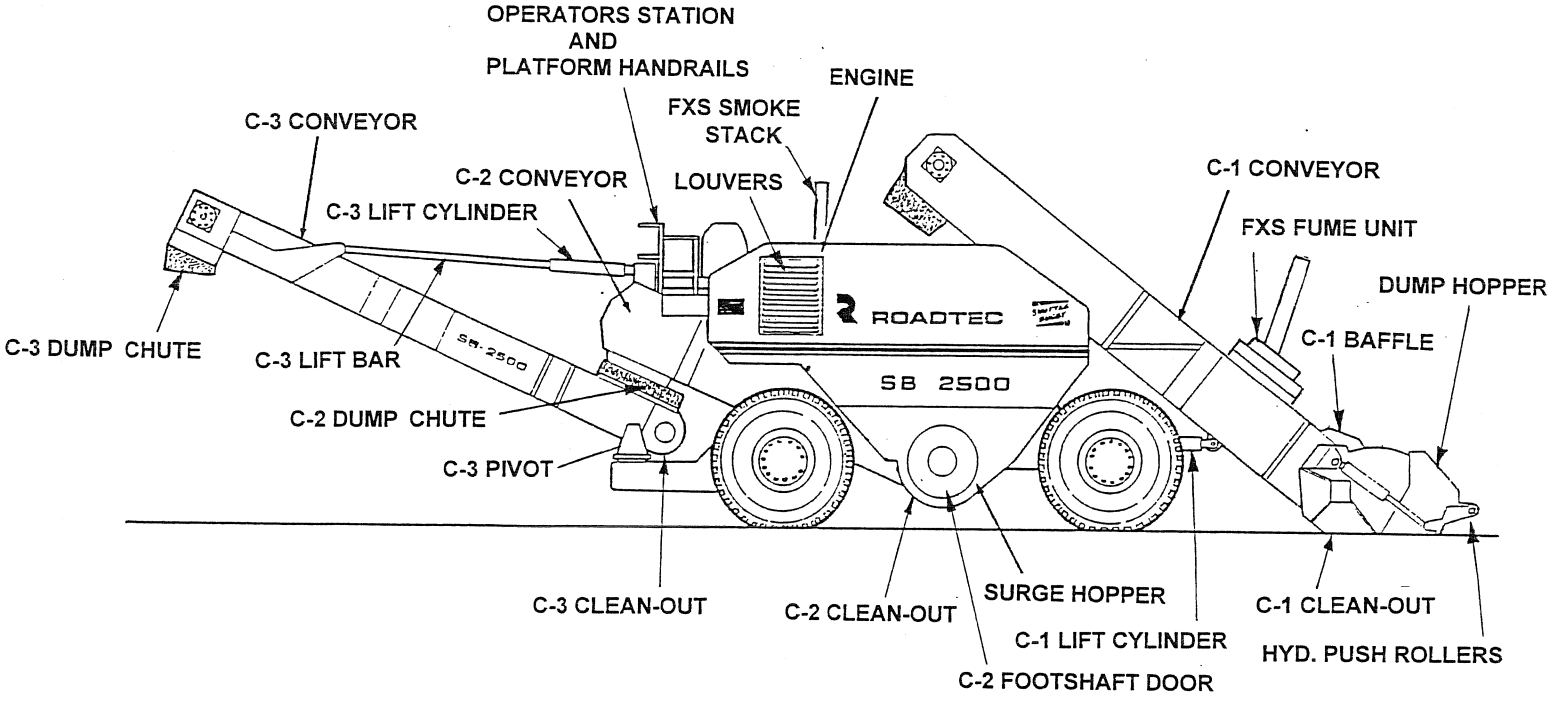
ROADTEC SB-2500
MATERIAL TRANSFER VEHICLE

ENGINE ASSEMBLIES	1
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ALPHABETICAL INDEX



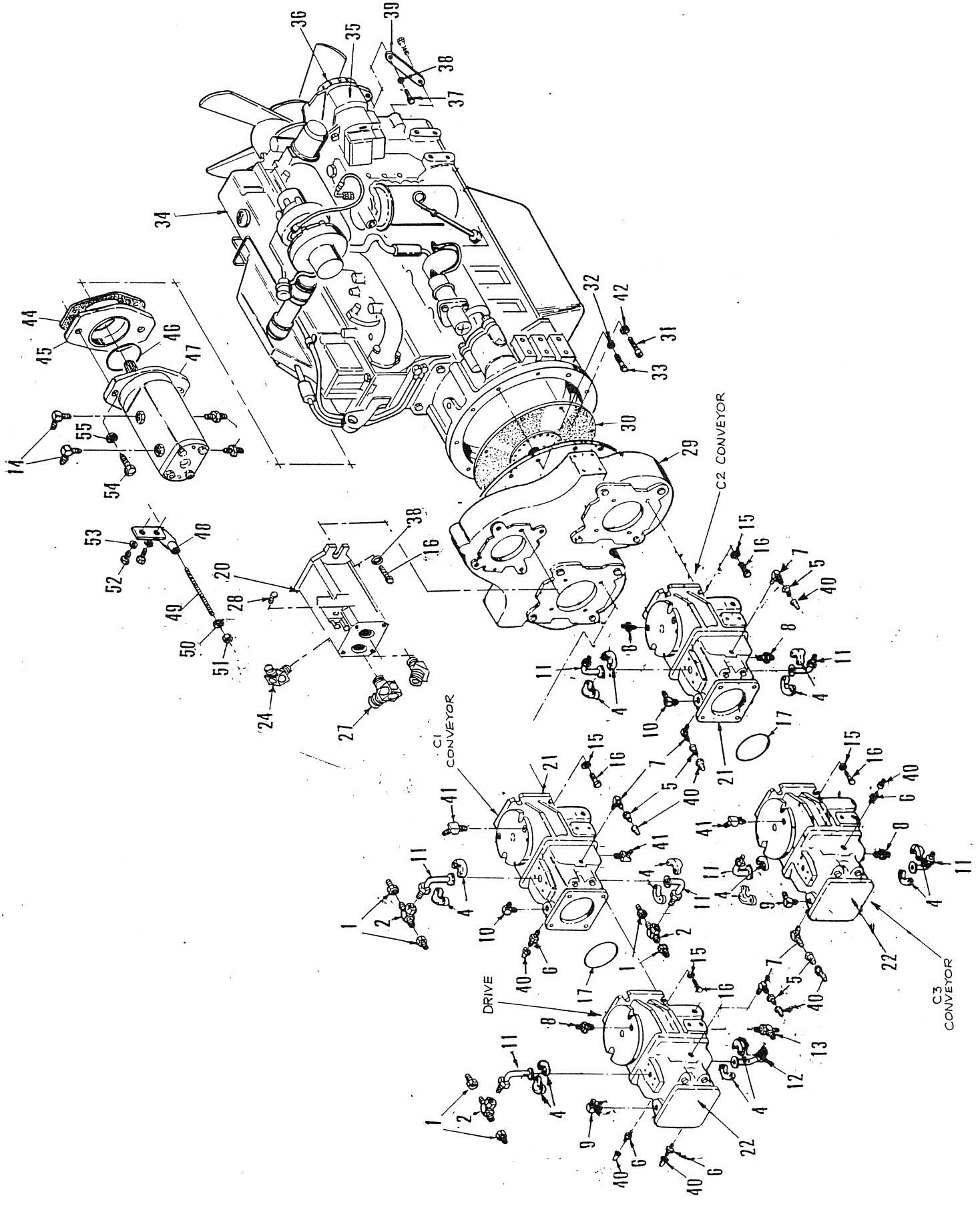
SB-2500 SHUTTLE BUGGY
UNIT NOMENCLATURE



SECTION I: ENGINE ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE – PUMPS	135666-01	336 & UP	1.1
ENGINE – RADIATOR & EXHAUST	135665-01	336 & UP	1.3
ENGINE – REMOTE OIL FILTER	128873-01	283 & UP	1.5

ENGINE ASSEMBLY / PUMPS
(135666-01)

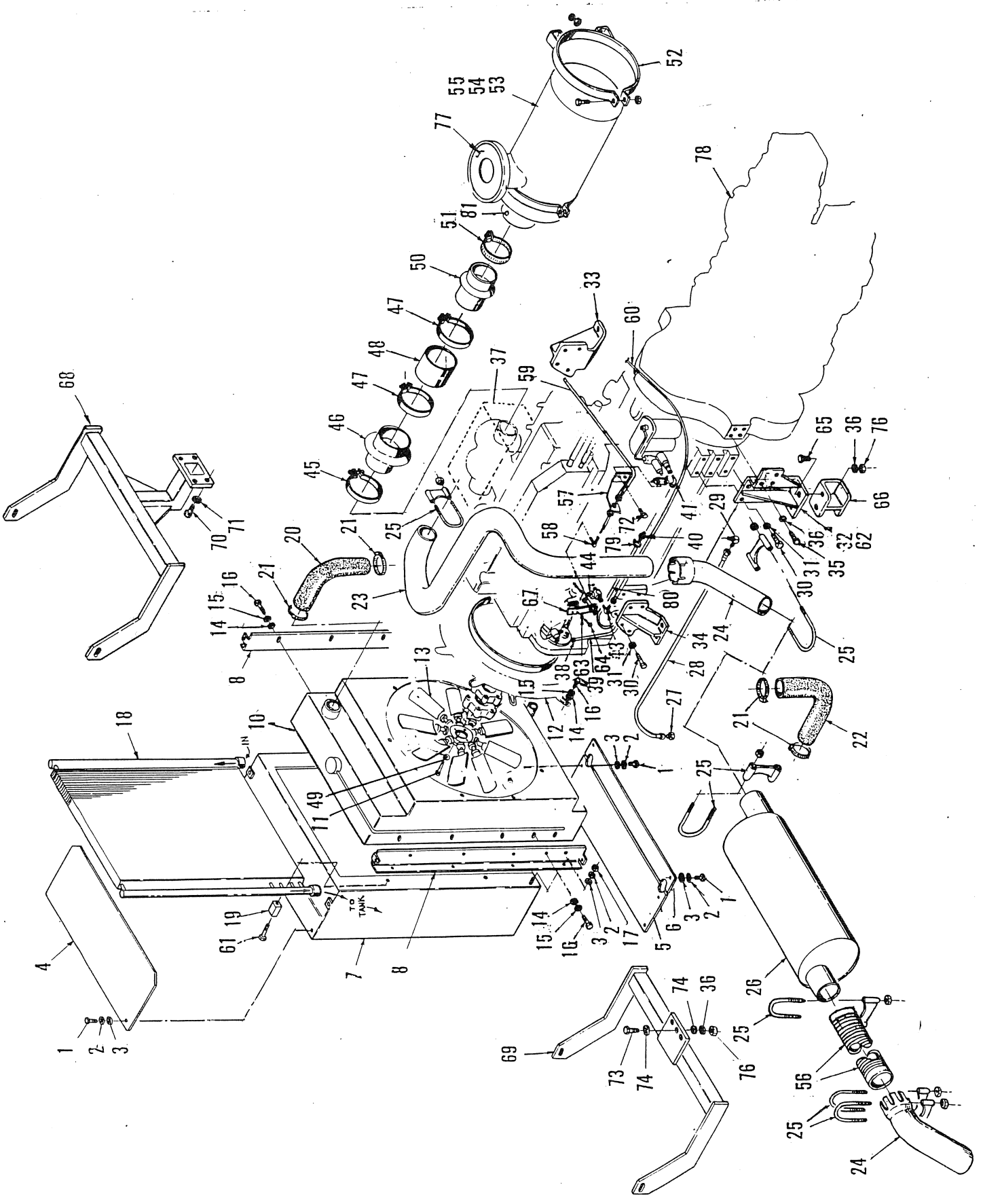


ENGINE ASSEMBLY / PUMPS
(135666-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	83958-04	20 JIC X 12 JIC REDUCER	6
2	99556	20 JIC SW BRANCH TEE	3
3			
4	90729	16 FLANGE KIT	8
5	29J32	4 JIC TEST PORT	5
6	85948-04	6 SAE TEST PORT	4
7	91841-04	4 JIC X 6 SAE 90 ELL.	5
8	83457-04	12 JIC X 12 SAE ST. ADAPTER	4
9	91660	16 JIC X 16 SAE 90 ELL.	2
10	97168	20 JIC X 20 SAE 90 ELL.	2
11	95981	16 FLANGE X 20 JIC 90 ELL.	7
12	99534	16 FLANGE X 20 JIC 45 ELL.	1
13	85303-04	12 SAE X 12 JIC RUN TEE	1
14	85875-04	12 JIC X 12 SAE 90 ELL.	3
15	O57O7	WASHER - HS-12	16
16	84692	BOLT - 1/2 - 13 X 1 1/2 GD. 5 HEX HD.	16
17	99341-04-C4	O-RING	REF.
18			
19			
20	123041-04	PUMP - REXROTH AA10VO45	1
21	99814	PUMP - SUNSTRAND 90/100	2
22	29J94	PUMP - SUNSTRAND 90/75	2
23			1
24	97551	12 JIC X 10 SAE 90 ELL.	1
25			1
26	128228	24 JIC X 24 SAE 45 ELL.	1
27	85875-04	12 JIC X 16 SAE 90 ELL.	1
28	89897-04	4 SAE PLUG	1
29	135572-01	PUMP DRIVE GEARBOX (DURST)	1
30	127669	DRIVE PLATE - DURST # TS22150137	REF.
31	97027	BOLT - 3/8 X 3/4 SOCKET HD. GD. 8	8
32	O17OO	M-10 LOCK WASHER	12
33	O1178	BOLT - M10 X 30 HEX HD.	12
34	130175-01	ENGINE - CUMMINS 6CTA 8.3	1
35	89687-04	ALTERNATOR - 12 -24 VOLT	1
36	130175-01-C1	FAN BELT (CUMMINS # 3911570)	1
37	83754	1/2 X 1 HEX HD. BOLT GD. 5	1
38	83317	1/2 LOCK WASHER	1
39	99912-04	ALTERNATOR BRACKET	1
40	85949-04	TEST PORT COVER	9

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	120482	12 JIC X 12 SAE 45 ELL.	3
42	83056	3/8 LOCK WASHER	8
43	128873-01	REMOTE MOUNT OIL FILTER ASS'Y	1
44	88987-04-C20	GASKET	REF.
45	128431	PUMP DRIVE	1
46	128041-04-C2	O-RING	1
47	128970	PUMP - TANDEM CASAPPA PLP 30.22	1
48	129137-03	PUMP SUPPORT BRACKET	1
49	86365	ALL THREAD M-12 X 9 3/4 LG. (248 MM)	1
50	O1636	M-12 WASHER	1
51	O1467	M-12 NUT	1
52	O1177	M-10 X 1/5 X 25 BOLT	2
53	O1635	M-10 WASHER	2
54	O1193	M-12 X 80 HEX HD. BOLT	2
55	O57O7	M-12 CONCAVE WASHER	2
56	89610	16 JIC X 16 SAE STR. ADAPTER	2
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ENGINE ASSEMBLY(RADIATOR AND EXHAUST)
(135665-01)

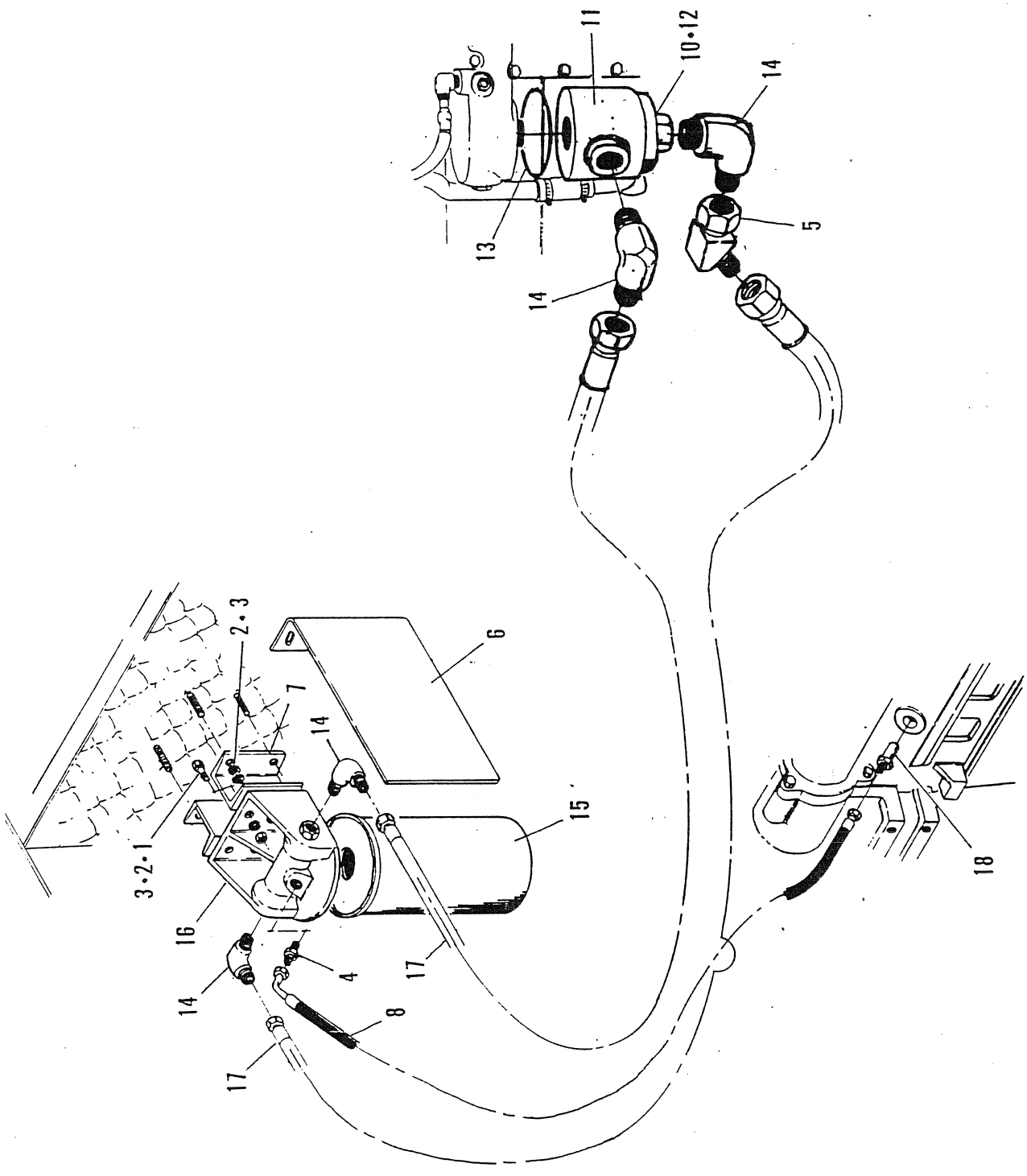


ENGINE ASSEMBLY(RADIATOR AND EXHAUST)
(135665-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	84332	3/8 X 1 HEX HD. BOLT	12
2	83056	3/8 LOCK WASHER	12
3	83757	3/8 FLAT WASHER	1
4	99473-03	TOP COVER PLATE	1
5	99897-03	BOTTOM COVER PLATE	1
6	99898-03	BOTTOM COVER PLATE	1
7	99896-01	RADIATOR SUPPORT WELDMENT	1
8	99458-03	LEFT SUPPORT BRACKET	2
9			
10	99872-01	RADIATOR	1
11	33033	METRIC SOC. HD. M10 X 130 X 10.9	4
12	120839	FAN GUARD	1
13	99865	FAN	1
14	83781	1/2 FLAT WASHER	10
15	83317	1/2 LOCK WASHER	10
16	83754	1/2 - 13 X 1 HEX HD. BOLT	6
17	83055	3/8 HEX NUT	1
18	29H03	HYD. OIL COOLER	1
19	15W48	OIL COOLER MTG. KIT	4
20	120180	TOP RADIATOR HOSE	1
21	86003-04	HOSE CLAMP	4
22	120324	BOTTOM HOSE	1
23	120104-02	EXHAUST TUBE WELDMENT	1
24	99596	4" ELL 70 DEG.	2
25	93129	U - BOLT	6
26	92086-03	MUFFLER	1
27	85395-04	12 JIC PLUG	1
28	120196	HOSE # 113 - 3/4 X 65 10 X 12 ST. 12 X 12 ST.	1
29	83744-04	18 X 1.5 X 10 JIC 90 ELL.	1
30	O1189	M12 X 35 HEX HEAD BOLT	14
31	O17O1	M12 WASHER	14
32	137426-02L	ENGINE MOUNT REAR - LEFT	1
33	99841-01	ENGINE MOUNT RIGHT FRONT	1
34	99837-01	ENGINE MOUNT LEFT FRONT	1
35	84778	5/8 - 1 1/2 GD. 5 HEX HD. BOLT	8
36	84717-04	5/8 LOCK WASHER	19
37	131497	TURBO BLANKET	1
38	94904	1/4 HOSE CLAMP	1
39	132984-04	5/16 FUEL HOSE	168
40	136028-04	1/2 X 1/2 HOSE BARB	1
41	138868-04	FITTING - 1/2" NPT STEEL ST. ELL	1
42	84566-04	1/8 STREET TEE	1
43	84560-04	1/8 NPT - 4 JIC 90 ELL.	1
44	93213	OIL SENSOR UNIT	1
45	83129	4" T-BAR CLAMP	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	28R42-C2	5 1/2 X 4 REDUCER	1
47	95046	5 1/2 CLAMP	2
48	95044	5 1/2 X 13 TUBING (16 GA. WALL)	1
49	O57O6	CONICAL M10 WASHER	4
50	134235-04	HUMP REDUCER	1
51	95047	6" CLAMP	1
52	20X95	MOUNTING BAND	2
53	29E49	AIR CLEANER	1
54	29E50	INNER AIR FILTER ELEMENT	REF.
55	29E51	OUTER AIR FILTER ELEMENT	REF.
56	120293-03	4 X 56 EXHAUST PIPE WELDMENT	1
57	131811-04	THROTTLE BRACKET	1
58	84496-04	1/4 - 20 BALL JOINT	1
59	123966	THROTTLE CABLE - 120" 3" TRAVEL	REF.
60	92785	HOSE # 114 - 1/4 X 93 4 X 4 ST. 4 X 4 ST.	1
61	90506	5/16 X 2 1/2 HEX HEAD BOLT	4
62	137426-02R	ENGINE MOUNT REAR - RIGHT	1
63	O4795	M-6 WASHER	1
64	O1157	M-6 X 16 HEX HEAD BOLT	1
65	89143	5/8 X 1 3/4 GD. 5 HEX HEAD BOLT	8
66	99456-04	ENGINE SUPPORT TUBE	4
67	92690-04	BRACKET LINKAGE	1
68	122067-02	ENGINE RADIATOR SUPPORT - TOP	1
69	122117-02	ENGINE RADIATOR SUPPORT - BOTTOM	1
70	89297	5/15 - 18 X 1 LG. HEX HEAD BOLT	4
71	87328-04	5/16 LOCK WASHER	4
72	O1175	HEX BOLT METRIC - M10 - 1.5 X 20 (COMES WITH ENG. FR.)	REF.
73	89252	5/8 - 11 X 2 1/2 LG. GD. 8 HEX HEAD BOLT	3
74	85147-04	5/8 FLAT WASHER	6
75	84692	1/2 - 13 X 1 1/2 LG. HEX HEAD BOLT GD. 5	4
76	85148	5/8 HEX NUT	11
77	121814-04	RING	1
78			
79	80105	HOSE CLAMP	1
80	136019-04	1/2 FUEL HOSE	144
81	28R14	DIRT INDICATOR	1
82	84233-04	HOSE CLAMP	1
83	10514	5/8 I.D. - FLEX LOC 250 PSI X 84 LG.	1
84	93247-04	DRAIN COCK - 1/4 NPT	1

REMOTE MOUNT OIL FILTER ASSEMBLY
(128873-01)



REMOTE MOUNT OIL FILTER ASSEMBLY
(128873-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	84332	3/8 - 16 UNC X 1" LG. HEX HEAD BOLT	4
2	83056	3/8" LOCK WASHER	8
3	83055	3/8 - 16 UNC HEX NUT	8
4	83464-04	CONNECTOR 8 JIC X 3/8" NPT MALE FITTING	1
5	89691	FITTING - 16 JIC X SWIVEL 45	1
6	128668-03	HEAT SHIELD	1
7	128812-03	SPACER FOR REMOTE OIL FILTER	2
8	128870-04	BYPASS HOSE	1
9	99755-C19	CUMMINS SOUTH - REMOTE MOUNT OIL FILTER KIT	REF.
10	3071980	KIT - FILTER HEAD ADAPTER	REF.
11	3071981	KIT - FILTER HEAD COVER	REF.
12	3072832	KIT- SEAL	REF.
13	3899283	KIT - SEAL	REF.
14	3049010	KIT - MALE UNION ELBOW	REF.
15	3318853	KIT - LUBE OIL ELEMENT (FILTER)	REF.
16	3846568	KIT - LUBE OIL FILTER HEAD	REF.
17	3916597	KIT - FLEX HOSE	REF.
18	3920483	KIT - THREAD PIN	REF.

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:_____
DATE PURCHASED:_____
ENGINE MAKE:_____
ENGINE MODEL:_____

CHANGES

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

NOTES

FOR INFORMATION AND/OR ASSISTANCE:

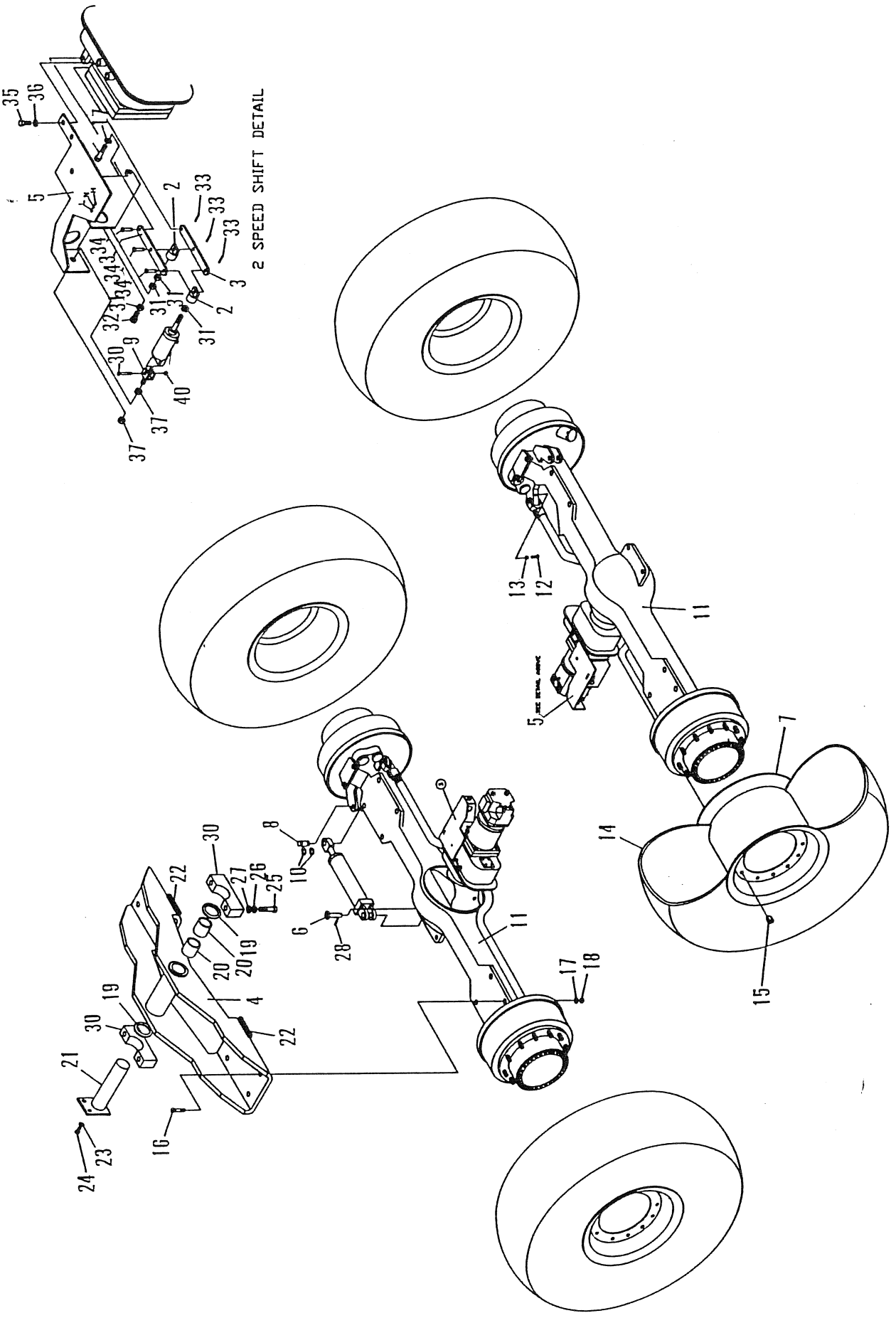
ROADTEC, INC.
800 MANUFACTURERS ROAD
PO BOX 180515
CHATTANOOGA, TN 37405-7515

PHONE: 423-265-0600 OR
1-800-272-7100
FAX: 423-267-7104

SECTION 2: FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	131043-01	310 & UP	2.1
FUEL TANK & WASHDOWN	137503-01	374 & UP	2.3
MAIN FRAME	138476-01	403 & UP	2.5
PAINT & MARKINGS	123894-01	215 & UP	2.7
OPERATOR'S PLATFORM	124022-01	226 & UP	2.9

FRONT AND REAR AXLE ASSEMBLY
(131043-01)

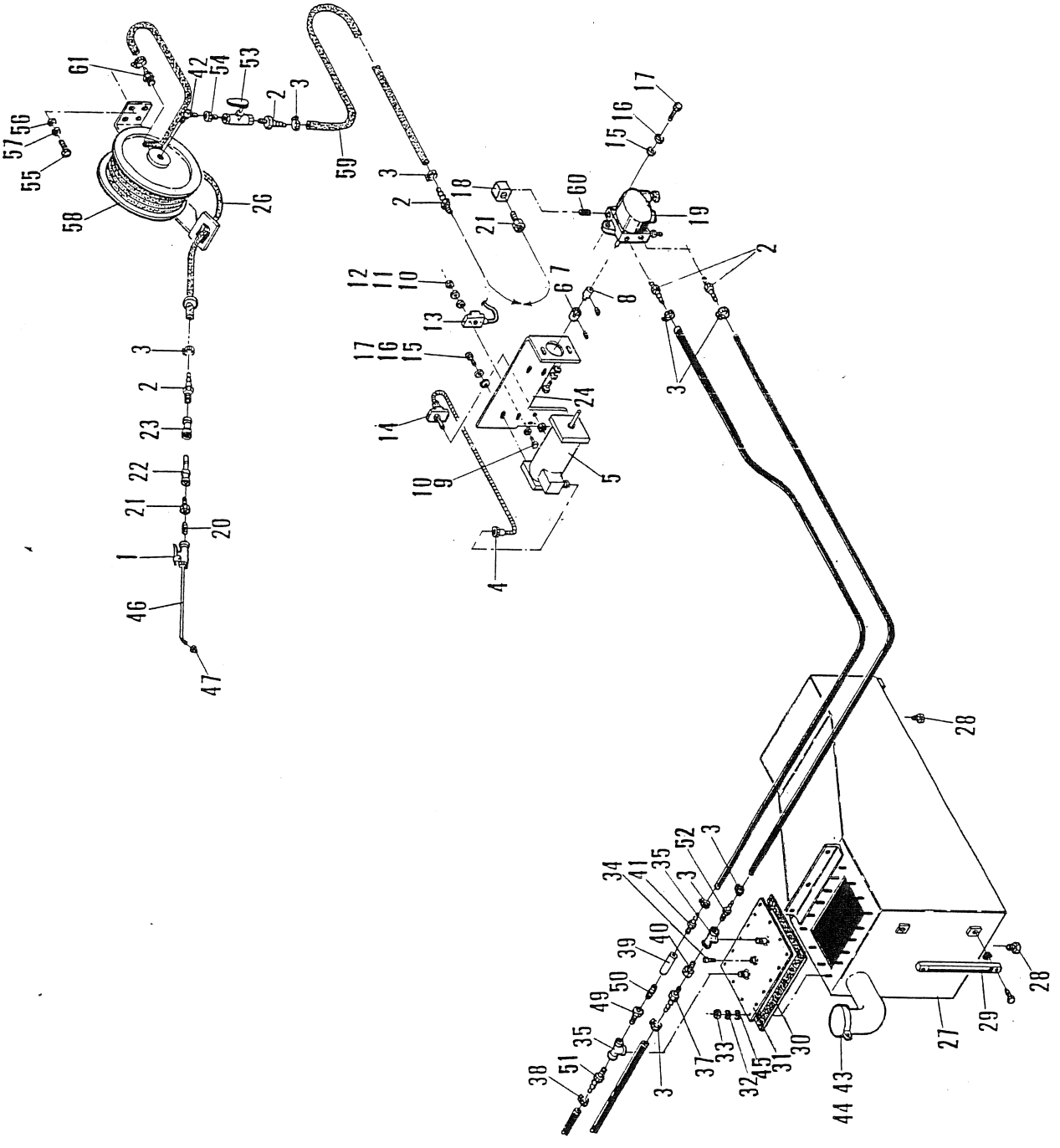


FRONT AND REAR AXLE ASSEMBLY
(131043-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1			
2	130488-03	LINKAGE PIVOT	4
3	130487-03	LINKAGE ARM	4
4	138792-01	FRONT AXLE TRUNNION ROCKWELL STEERING AXL	1
5	130486-01	2 - SPEED BRACKET	2
6	130686-04	ROCKWELL STEERING CYLINDER PIN (SHORT)	2
7	130077-01	ROCKWELL STEERING AXLE RIM WELDMENT (PUR.)	4
8	130685-04	ROCKWELL STEERING CYLINDER PIN (LONG)	2
9	130489-03	2-SPEED CYLINDER TAKE-UP	2
10	130566	SNAP - RING 1 EXTERNAL TRU - ARC	4
11	129328	AXLE W/ TIR ROD ASSEMBLY	2
12	130422	SCREW SET - 26 X 124 SET	4
13	130422-C1	NUT-JAM - 7/8 - 14	4
14	127638	TIRE ASS'Y - 21.00 X 25 TIRE * SB-2500	4
15	97500	NUT - 3/4- 16 FINE BUDD LUG. R.H.	48
16	11Y44	BOLT - HEX - 3/4 - 10 GD. 8	16
17	83752-04	LOCK WASHER - 3/4 SPRING STEEL	20
18	122635	NUT-HEX - 3/4 -10 GD. 8	16
19	120891-04	BRASS SPACER	2
20	29M85	BUSHING - DURALON	2
21	99278-02	FRONT AXLE PIVOT WELDMENT	1
22	OO7OO	SQ. BAR - 3/4 X 6 A-36	8
23	83317-04	LOCK WASHER - 1/2 SPRING STEEL	2
24	84692	BOLT - HEX - 1/2 - 13 X 1 1/2 GD. 8	2
25	99359	BOLT - HEX - 1/8 X 5 GD. 8	4
26	83427	LOCK WASHER - 1 SPRING STEEL	4
27	86510-04	FLAT WASHER - 1 STEEL	4
28	27D65	PIN - COTTER - 3/16 X 1 3/4	4
29			
30	129100-01-47	PIVOT PIN RETAINER (REF. MAIN FRAME)	REF.
31	130541	NUT-JAM - 1/2 - 20 GD. 8	8
32	130540	BOLT - HEX - 1/2 - 20 X 2 FULL THREAD GD. 8	2
33	130842	PIN - COTTER - 3/32 X 3/4	6
34	130852-04	SHIFT CYLINDER PIN	6
35	84778	BOLT - HEX - 5/8 - 11 UNC X 1 1/2 LG. GD. 8	4
36	83752-04	LOCK WASHER - 5/8	4
37	27C98	NUT - HEX - 5/8 - 11 UNC GD. 8	4
38	89151	BOLT HEX - 3/4 - 10 UNC X 3 LG. GD. 8	REF.
39	96475	BOLT- HEX - 3/8 - 16 UNC X 2 LG. GD. 8	2
40	92235	NUT - LOCK 3/8 - 16 UNC GD. 8	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83787-04	BOLT- HEX - 3/4 - 10 X 3 1/2	8
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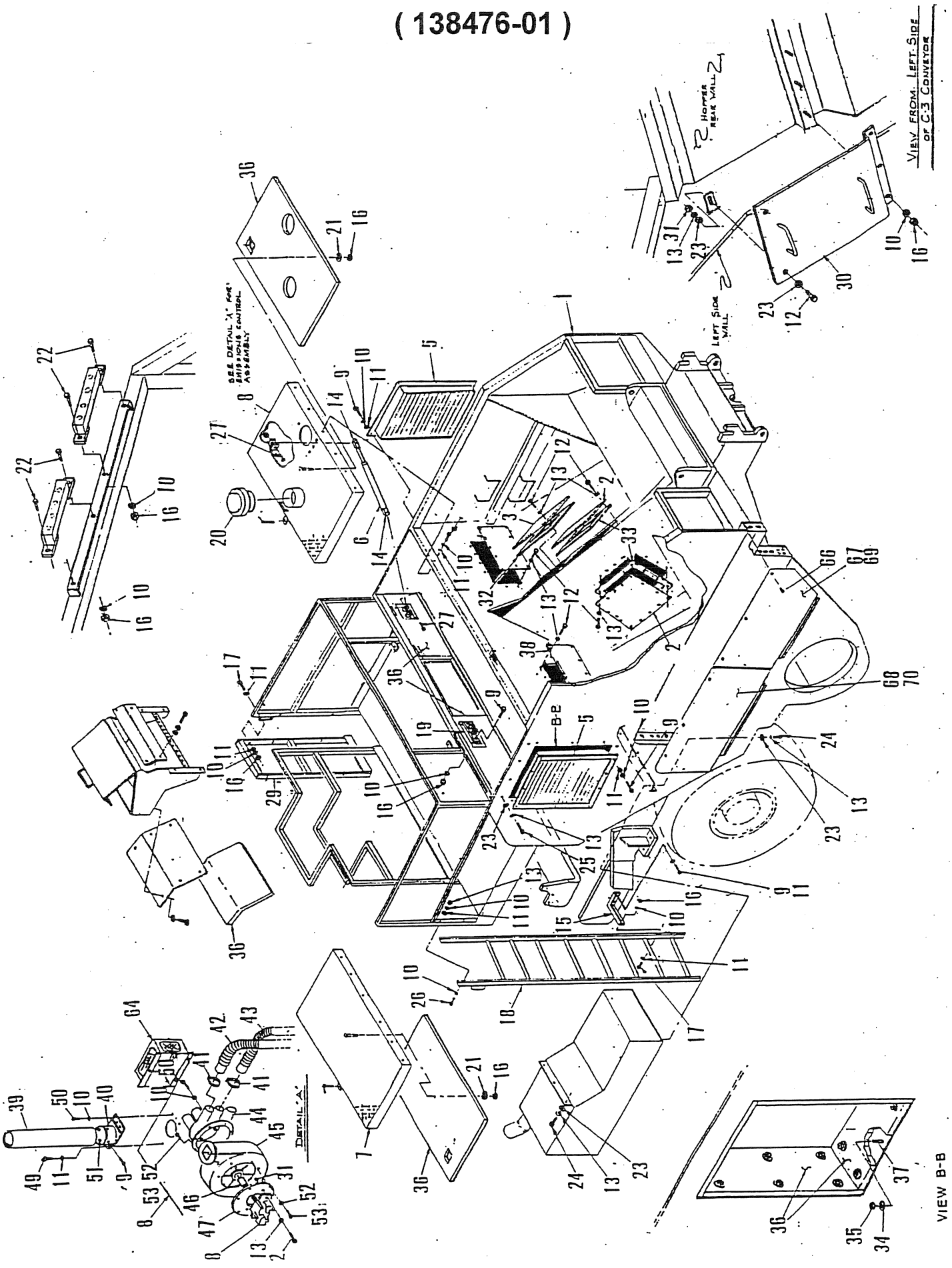
FUEL TANK AND WASHDOWN ASSEMBLY
(137503-01)



FUEL TANK AND WASHDOWN ASSEMBLY
(137503-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	128842	HAND SHUT OFF	1
2	80349-04	BARB FITTING	5
3	45228	3/8 HOSE CLAMP	6
4	80645-04	1/2 CGB	1
5	98111-04	MOTOR 12 V	1
6	80341-04	HALF COUPLING	1
7	80340-04	SPIDER	1
8	80342-04	HALF COUPLING	1
9	91207-04	# 10 - 32 X 1 1/4 BOLT	2
10	92552	# 10 FLAT WASHER	4
11	90103	# 10 LOCK WASHER	2
12	90102	# 10 - 32 HEX NUT	2
13	90930-04	40 AMP BREAKER	1
14	13E68	TOGGLE SWITCH	1
15	84444	1/4 FLAT WASHER	6
16	83065	1/4 LOCK WASHER	6
17	89988-04	1/4 - 20 X 3/4 HEX HD. BOLT	6
18	23J52	1/8" STREET ELL	1
19	135292-02	PUMP	1
20	80169	1/8 NPT NIPPLE	1
21	86211-04	1/4 X 1/8 HEX BUSHING	1
22	92280-04	MALE DISCONNECT	1
23	92279	FEMALE DISCONNECT	1
24	120153-02	WASHDOWN PUMP BRACKET (SEE MAINFRAME)	REF.
25	80132-04	3/8 FUEL HOSE	216"
26	80132-04	3/8 WASHDOWN HOSE	600"
27	134356-01	FUEL TANK WELDMENT	1
28	23C76	3/8 NPT PLUG	2
29	29L61	GAUGE GLASS	1
30	99439-03	LID GASKET	1
31	136023-02	FUEL TANK LID	1
32	83056	3/8 LOCK WASHER	16
33	83055	3/8 - 16 HEX NUT	16
34	27X25	FUEL TANK VENT	1
35	136092-04	1/2 NPT TEE	2
36	80548-04	1/4 NPT PLUG	1
37	136024-04	3/8 NPT X 5/16 BARB	1
38	45228	1/2 HOSE CLAMP	4
39	31P61	1/4 CHECK VALVE	1
40	85567-04	1/2 NPT X 3/8 BARB	1
41	80349-04	1/4 NPT X 3/8 BARB	1
42	85466-04	ELBOW - 6 JIC X 3/8 NPT 90	1
43	98027	TANK CAP	1
44	803546	TANK STRAINER	1
45	83757	3/8 FLAT WASHER	16
46	128844	WAND	1
47	128843	NOZZLE	1
48	131616-04	# 131 CHECK VALVE	1
49	89608	1/2 NPT X 1/4 NPT REDUCER BUSHING	1
50	80168-04	1/4 NIPPLE	1
51	136028-04	1/2 NPT X 1/2 BARB	1
52	91594	1/2 NPT X 3/8 BARB	1
53	89010-04	TWO-WAY BALL VALVE - 1/4" NPTF	1
54	86622-04	SWIVEL CONN. - 6 JIC X 1/4" NPT	1
55	84332	HEX BOLT - 3/8 - 16 X 1"	4
56	83056	3/8" LOCKWASHER	4
57	83757	3/8" FLAT WASHER	4
58	131616-04	HOSE REEL	1
59	80132-04	3/8" WASH-DOWN HOSE	40"
60	80169	1/8" CLOSE NIPPLE	1
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MAINFRAME ASSEMBLY
(138476-01)



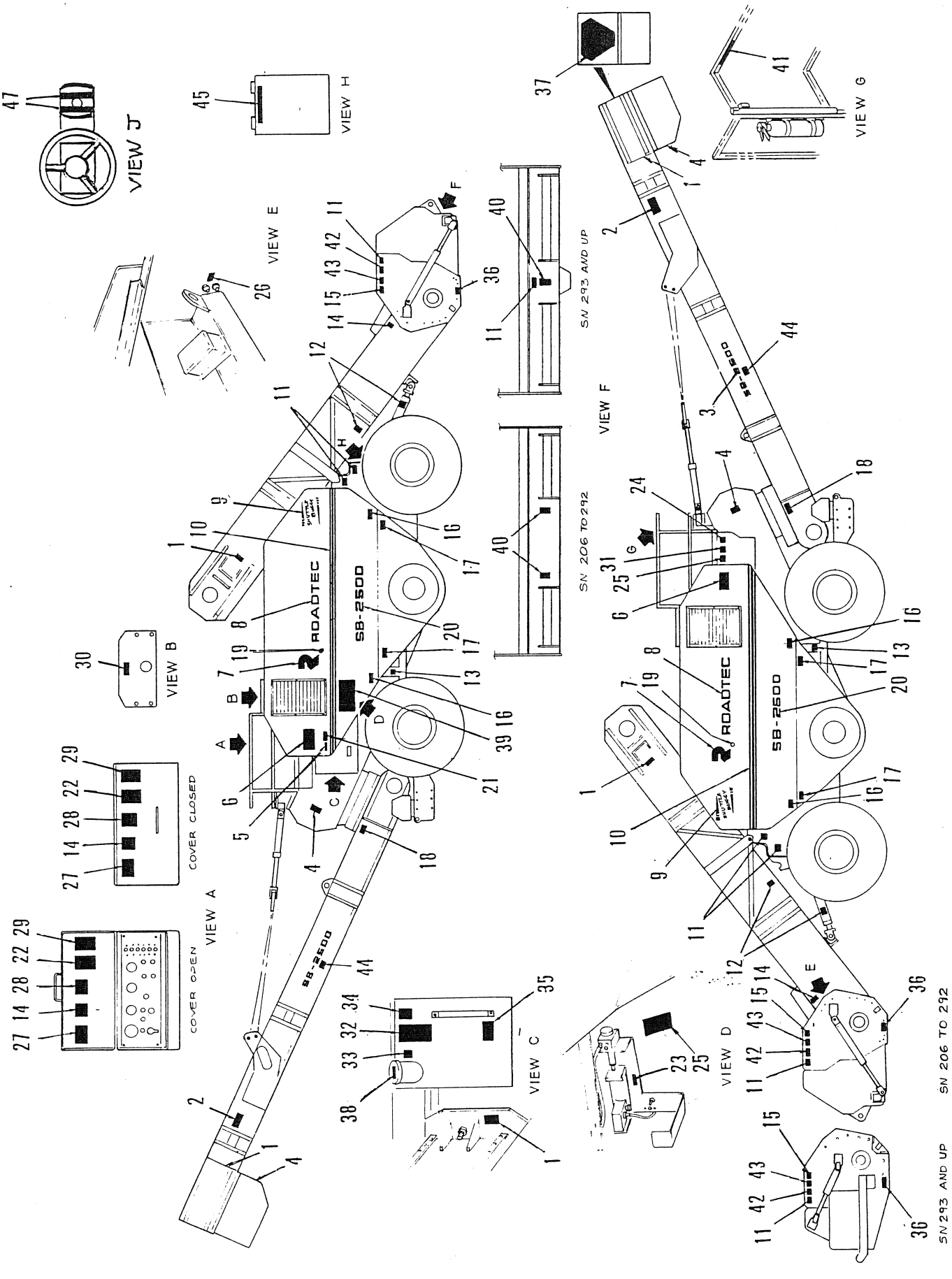
MAINFRAME ASSEMBLY
(138476-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	138458-01	MAIN FRAME	1
2	122985-04	PLATE - HOPPER ACCESS	2
3	122986-04	PLATE - HOPPER ACCESS	1
4	120358-04	PLATE - REAR INSIDE HOPPER WALL COVER LFT.	1
5	120100-01	DOOOR - ENGINE ACCESS	2
6	91890-04	GAS CYLINDER	2
7	122989-01	ENGINE HOOD - RIGHT HAND	1
8	129106-01	ENGINE HOOD - LEFT HAND	1
9	84332	HEX BOLT - 3/8 - 16 X 1 GD. 5	32
10	83056	LOCK WASHER - 3/8	57
11	83757	FLAT WASHER - 3/8	44
12	86164	HEX BOLT - 1/2 - 13 X 1 1/2 GD. 5	66
13	83317	LOCK WASHER - 1/2	88
14	92240-04	CYLINDER EAR	4
15	129579-03	LADDER SUPPORT	1
16	83055	NUT - 3/8 - 16 GD. 8	16
17	OO876	HEX BOLT - 3/8 - 16 X 2 1/2 GD. 5	7
18	129580-02	LADDER	1
19	123816-02	HOOD EAR WELDMENT	1
20	93141	RAIN CAP 6"	1
21	97113	FENDER WASHER 3/8"	2
22	96476	HEX BOLT - 3/8 - 16 X 1 1/4 GD. 5	4
23	83781-04	FLAT WASHER - 1/2	26
24	83754	HEX BOLT - 1/2 - 13 X 1	6
25	93144	HEX BOLT - 1/2 - 13 X 1 1/2	16
26	121809	HEX BOLT - 3/8 - 16 X 3 1/2 LG.	4
27	121810	HEX BOLT - 3/8 - 16 X 1 3/4 LG.	4
28	92235	LOCK NUT - 3/8 - 16 NYLON	4
29	129607-03	HANDRAIL - STEP FILLER	1
30	121849-01	VALVE COVER	1
31	83288	NUT - 1/2 - 13	4
32	120935-04	GASKET - ACCESS DOOR	1
33	120934-04	GASKET - ACCESS DOOR	2
34	120206	1/4 FENDER WASHER	28
35	89772	1/4 - 20 HEX NUT	28
36	129172-01	INSULATION DETAILS	1
37	96494	1/4 - 20 HEX NUT	16
38	129485-03	REAR INSIDE HOPPER WALL COVER R.S	1
39	129227-03	VENT PIPE	1
40	129130-02	PIPE SUPPORT	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	129000	4" HOSE CLAMP	2
42	125232	4" HOSE X 17 FT. LG.	REF.
43	125232	4" HOSE X 15 FT. LG.	REF.
44	129095-01	BLOWER COLLECTOR WELDMENT	1
45	129114-03	BLOWER HOUSING WELDMENT	1
46	130665-04	BUSHING	1
47	134324-03	BLOWER MOUNTING PLATE	1
48	134229-04	HYDRAULIC MOTOR - # I MR 170B5760	1
49	89987-04	3/8 WING BOLT	1
50	96476	3/8 X 1 1/4 HEX HD. BOLT	9
51	92235	3/8 LOCK NUT	4
52	87238-04	5/16 LOCK WASHER	16
53	89297	5/16 - 18 X 1 LG HEX HD. BOLT	16
54			
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62			
63	131112-01	HOPPER CANVAS ASSEMBLY (NOT SHOWN)	
64	131846-01	C2 FUME EXTRACTION COVER	1
65			
66	132173-04	CAPSCREW - 1/4 - 20 X 5/8 LG. - BUTTONHEAD	32
67	133577-01	LEFT FRONT SIDE CHANNEL COVER	1
68	133578-01	LEFT REAR SIDE CHANNEL COVER	1
69	133579-01	RIGHT FRONT SIDE CHANNEL COVER	1
70	133580-01	RIGHT REAR SIDE CHANNEL COVER	1
71	83475-04	FITTING - 6 JIC ST. BULKHEAD	18
72	93175	JAM NUT - 3/8 - 16	2
73	29F89	GREASE LINE - 4 JIC SW F. X 1/8 NPT M.	2
74			

PN# 120489 ASSY 138476-01 REV. 0 7/9/98

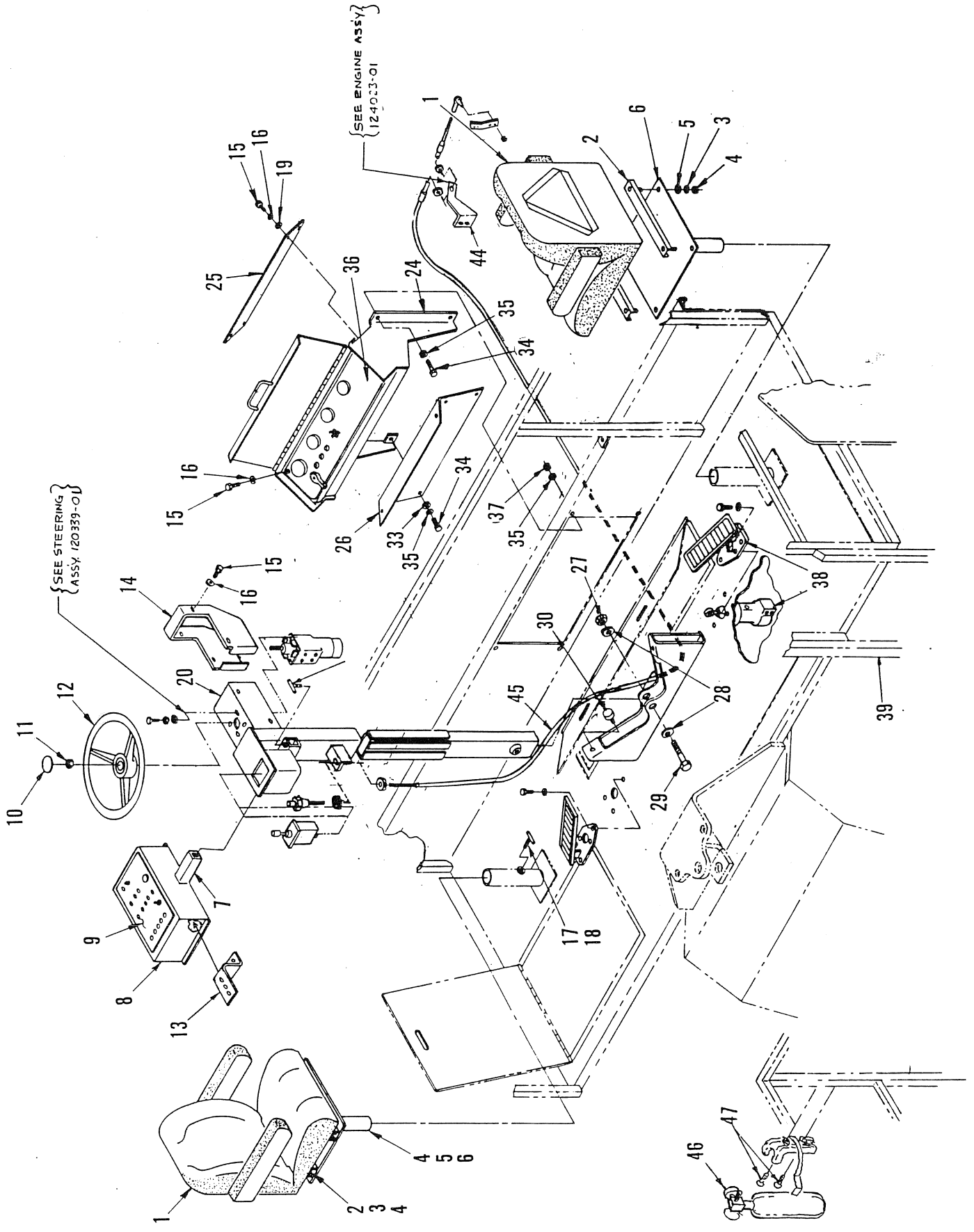
DECALS AND MARKINGS
(123894-01)



DECALS AND MARKINGS
(123894-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	92819-04	DECAL - CAUTION - CONVEYOR	6
2	92823-04	DECAL - WARNING - CONVEYOR DISCHARGE	2
3	96403-04	DECAL - 3" "SB-2500"	2
4	92801-04	DECAL - WARNING - DISCHARGE AREA	3
5	92870-04	SERIAL NUMBER PLATE	1
6	95906-03	DECAL - 8 1/4" X 15" AMERICAN FLAG	2
7	92846-04	DECAL - 13 1/8" RED "R"	2
8	92845-04	DECAL - 6" "ROADTEC" (BLUE)	2
9	95875-04	DECAL - BLUE "SHUTTLE BUGGY"	2
10	92853-04	6" STRIPE - (RED AND BLUE)	2
11	92803-04	DECAL - WARNING - PINCH POINT AREA	6
12	92797-04	DECAL - DANGER - SET SAFETY BAR	4
13	92820-04	DECAL - DANGER - STAND CLEAR - WHIILE	2
14	95882-04	DECAL - CAUTION - EAR PROTECTION	4
15	97603-04	DECAL - CAUTION - DO NOT STAND	2
16	95871-04	DECAL - WARNING - STAY CLEAR - THIS AREA	4
17	127043-04	DECAL - CAUTION - INFLATE TIRES	4
18	92794-04	DECAL - DANGER - PINCH POINT AREA	2
19	131841-04	DECAL ®	2
20	96402-04	DECAL - 6" "SB-2500"	2
21	131690-04	PATENT PLATE	1
22	92798-04	DECAL - CAUTION - CLEAN WALKWAYS	2
23	99535-04	DECAL - WASHDOWN	1
24	95874-04	DECAL - HYDRAULIC OIL ONLY	1
25	92800-04-2	DECAL - CAUTION - NO SMOKING (SMALL)	2
26	96088-04	DECAL - GREASE HERE	1
27	95868-04	DECAL - WARNING - MAX. SPEED W/MAT'L	2
28	92804-04	DECAL - WARNING - READ MANUAL	2
29	92799-04	DECAL - CAUTION - INSTALL CHAIN GUARD	2
30	92725-04	DECAL - WATER	1
31	124130-04	DECAL - HYDRAULIC RESERVOIR	1
32	92800-04-1	DECAL - CAUTION - NO SMOKING (LARGE)	1
33	95885-04	DECAL - CAUTION - DIESEL FUEL ONLY	1
34	92802-04	DECAL - CAUTION - MOVING MACHINE	1
35	95876-04	DECAL - WARNING - NO RIDERS	1
36	97602-04	DECAL - CAUTION - PINCH POINT	2
37	89716-04	DECAL - SLOW MOVING	1
38	89715-04	DECAL - FUEL	1
39	120317-01	DECAL - LUBRICATION CHART	1
40	93192-04	DECAL - DANGER - PINCH POINT AREA	2
41	122129-04	DECAL - FIRE EXTINGUISHER	1
42	97604-04	DECAL - CAUTION - STAND CLEAR	2
43	97605-04	DECAL - CAUTION - STAND CLEAR - HOPPER	2
44	124670-04	DECAL - DANGER - DO NOT USE CONV. AS LIFT	2
45	122285-04	DECAL - C1 JUNCTION BOX	1
46	124037-02	PROC. PLACARD CHAINED-STEERING COL	1
47	93010-14	DECAL - MORSE CONTROL - FWD - N - REV	2

SB-2500 SHUTTLE BUGGY OPERATORS STATION
(124022-01)



OPERATORS STATION ASSEMBLY
(124022-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	27X58	SEAT W/ BOLT KIT	2
2	80292	SINGLE LOCKING ADJUSTER	2
3	87328-04	LOCK WASHER - 5/16 SPRING STEEL	8
4	87953-04	HEX NUT - 5/16 - 18	16
5	90871	FLAT WASHER - 5/16	8
6	128095-02	SEAT BASE WELDMENT	2
7	120273-02	OPERATORS BOX BRACKET	1
8	120203-01	OPERATORS CONTROL BOX	1
9	99953-01	CONTROL BOX DATA PLATE	
10	O3915	STEERING WHEEL CAP	
11	89045	STEERING COLUMN NUT	
12	O3913	STEERING WHEEL	
13	121388-02	BRACKET - INSIDE OPERATORS STATION	1
14	99496-01	STEERING COLUMN COVER	1
15	89988-04	HEX BOLT - 1/4 - 20 X 3/4 LG.	6
16	83065	LOCK WASHER - 1/4 SPRING STEEL	6
17	90874	HEX BOLT - 1/2 - 13 X 3 1/2 LG.	2
18	83781-04	FLAT WASHER - 1/2	2
19	84401-04	LOCK NUT - 1/2	2
20	122425-01	UPPER OPERATORS STATION	1
21			
22	99521-04	TEE BOLT	2
23	99419-03	LOWER OPERATORS STATION	1
24	120199-01	CONTER CONSOLE WELDMENT	1
25			
26	120201-02	CENTER CONSOLE FRONT COVER	1
27	84071-04	HEX NUT - 3/4 - 10	1
28	83133	FLAT WASHER - 3/4	1
29	89154	HEX BOLT - 3/4 - 10 X 4 1/4 LG.	1
30	O6535	RUBBER BUFFER - 50 X 21 MED.	2
31	84444	FLAT WASHER - 1/4	4
32	83113	HEX BOLT - 1/4 - 20 X 1 LG.	4
33	83757	FLAT WASHER - 3/8	6
34	84332	HEX BOLT - 3/8 - 16 X 1 LG.	14
35	83056	LOCK WASHER - 3/8 SPRING STEEL	19
36	99450-01	CENTER CONSOLE DATA PLATE	
37	83055	HEX NUT - 3/8 - 16	4
38	99365	BRAKE ACUATOR VALVE	
39	99280-02	LADDER	
40			

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41			
42	121435-04	THROTTLE EXTENSION	1
43	121402-03	THROTTLE CLAMP BRACKET	
44	124008-02	THROTTLE BRACKET (ENGINE ASS'Y)	
45	123966	THROTTLE CABLE - 120" 3" TRAVEL	1
46	99583	FIRE EXTINGUISHER	1
47	84779	CSK BOLT - 1/4 - 20 X 1 LG.	2
48	133458-01	MIRROR ASS'Y	1
49			
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ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:_____
DATE PURCHASED:_____
ENGINE MAKE:_____
ENGINE MODEL:_____

CHANGES

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

NOTES

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FOR INFORMATION AND/OR ASSISTANCE:

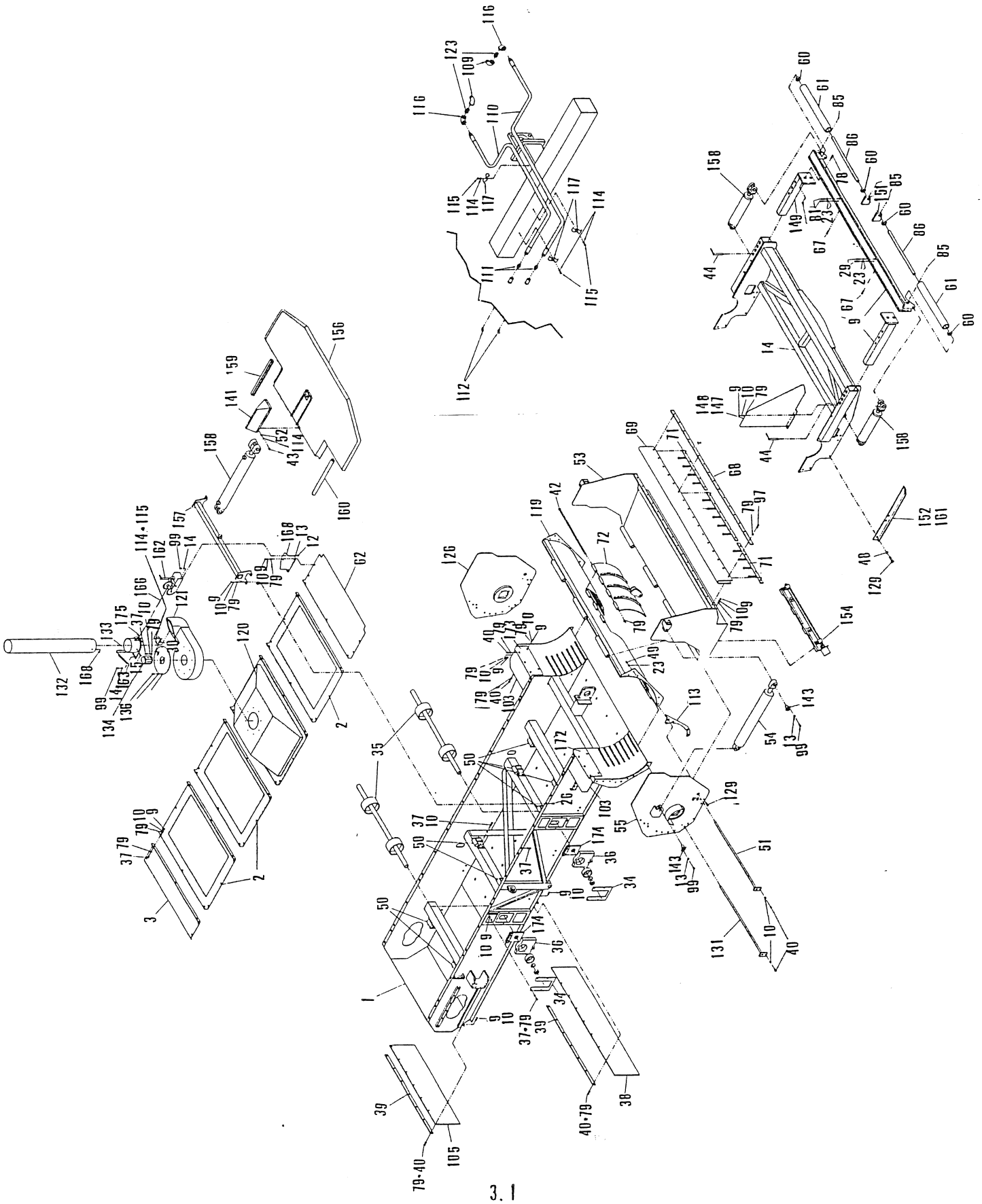
ROADTEC, INC.
800 MANUFACTURERS ROAD
PO BOX 180515
CHATTANOOGA, TN 37405-7515

PHONE: 423-265-0600 OR
1-800-272-7100
FAX: 423-267-7104

SECTION 3: CONVEYOR ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	138946-01	419 & UP	3.1
C-1 CONVEYOR	138656-01	410 - 418	3.13
C-2 CONVEYOR	138657-01	410 & UP	3.5
C-3 CONVEYOR	138454-01	401 & UP	3.9

C-1 CONVEYOR ASSEMBLY
(138946-01)

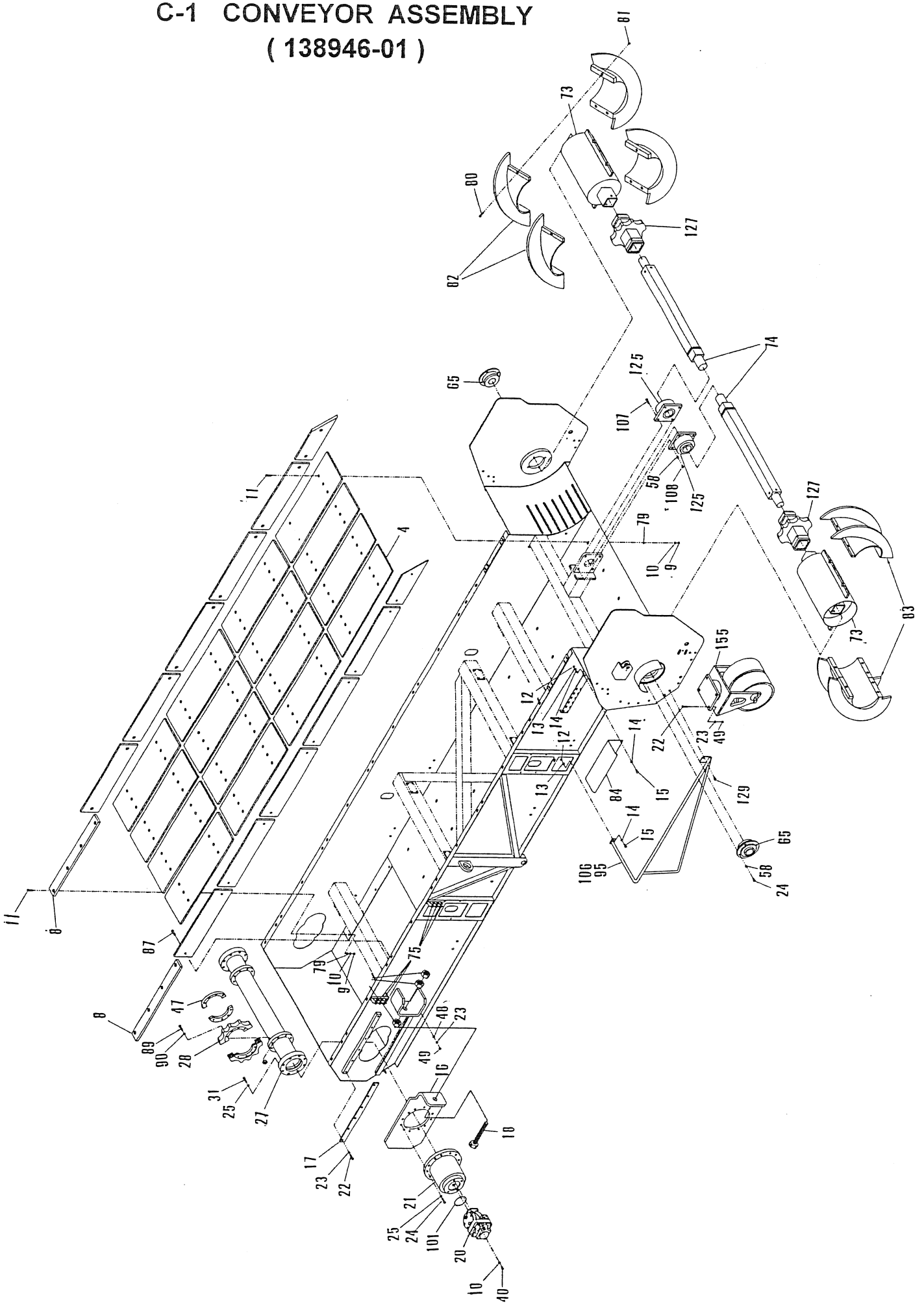


C-1 CONVEYOR ASSEMBLY
(138946-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	138947-01	C1 CONVEYOR WELDMENT	1
2	133945-01	COVER PLATE	3
3	122765-02	COVER PLATE	1
4	98961-03	WEAR PLATE (BOTTOM)	16
5	137683-03L	WEAR PLATE (L.H. SIDE)	1
6	137638-03R	WEAR PLATE (R.H. SIDE)	1
7	137682-03	WEAR PLATE (SIDES)	10
8	99056-03	WEAR BAR	2
9	83288	HEX NUT - 1/2 - 13	211
10	83317	LOCK WASHER - 1/2	223
11	29C18	COUNTERSINK BOLT - 1/2 - 13 X 1 3/4 LG.	104
12	83055	HEX NUT - 3/8 - 16	6
13	83056	LOCK WASHER - 3/8	8
14	83757	FLAT WASHER - 3/8	11
15	84332	HEX HEAD BOLT - 3/8 - 16 X 1 LG.	8
16	122404-01	TAKE - UP SUPPORT	2
17	122419-03	UPPER KEEPER BAR	2
18	99060-04	TAKE - UP SCREW	2
19	83031	HEX NUT - 1 - 1/2 - 6	6
20	91681-04	HYDRAULIC MOTOR	2
21	137208-04	TORQUE HUB	2
22	89143	HEX HEAD BOLT - 5/8 - 11 X 1-3/4 LG	20
23	84717	LOCK WASHER - 5/8	72
24	93723	HEX HEAD BOLT - 3/4 - 10 X 2 1/2	32
25	95937	HARDWASHER - 3/4	56
26	84674	HEX HEAD BOLT - 1/2 - 13 X 2 LG.	10
27	138593-01	HEAD SHAFT	1
28	138582-01	SPROCKET	2
29	93122	HEX HEAD BOLT - 5/8 - 11 X 2 1/4 LG GD. 8	4
30	134687-04	INSPECTION COVER	1
31	122336	HEX HEAD BOLT - 3/4 -16 X 3 LG.	32
32	98807-02	C1 CONVEYOR CHAIN ASSEMBLY	1
33	129568	FLAT WASHER - 1 3/4	2
34	133151-01	BEARING GUIDE	4
35	99147-03	IDLER SHAFT	2
36	29G13	IDLER BEARING	4
37	86164	HEX HEAD BOLT - 1/2 - 13 X 1 1/4 LG.	57
38	99158-03	FLASHING	1
39	99159-03	CLAMP BAR	2
40	93144	HEX HEAD BOLT - 1/2 - 13 X 1 1/2 LG.	66
41	99165-04	PIVOT PIN	2
42	128297-03	HINGE PIN CLEAN - OUT DOOR	1
43	90763	HEX BOLT - 1/4 - 20 X 1 1/4	6
44	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
45	27D87	COTTER PIN - 3/8 X 3 - 1/2 LG.	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	29E83	HYDRAULIC CYLINDER W/ PINS	2
47	138578-04	SPROCKET COVER PLATE	2
48	85147	FLAT WASHER - 5/8	48
49	85148	HEX NUT - 5/8 - 11	56
50	138942-02	HEX NUT 5/8" - 11	8
51	99183-03	PIVOT PIN	2
52	84444	1/4 FLAT WASHER	6
53	130590-01	PUSH ROLLER / TRUCK HITCH DUMP HOPPER WLT.	1
54	83322-01	HYDRAULIC CYLINDER	2
55	129465-01	END PLATE (RIGHT)	1
56			
57	84071	HEX NUT - 3/4 - 10	4
58	83752-04	LOCK WASHER - 3/4	12
59			
60	84734-04	ROLLER BEARING	4
61	137441-02	PUSH ROLLER	2
62	122767-01	COVER PLATE	1
63			
64			
65	122266-04	BEARING	2
66			
67	96041	HEX BOLT - 5/8 - 11 UNC X 2 LG. GD. 8	4
68	96008-03	BACKING BAR	1
69	99218-02	RUBBER	1
70	99212-03	FLASHING SUPPORT WELDMENT	1
71	99213-03	FLASHING SUPPORT WELDMENT	2
72	128165-01	HOPPER CLEANOUT DOOR WELDMENT	1
73	122583-01	AUGER MOUNTING TUBE	2
74	122598-01	FOOTSHAFT	2
75	11K76	1 1/4 TUBE CLAMP	12
76			REF.
77	128267-04	CYLINDER PIN	2
78	89151	HEX BOLT - 3/4 - 10 X 3 LG. GD. 8	4
79	83781-04	FLAT WASHER - 1/2	255
80	95834	HEX HEAD BOLT - 3/4 - 10 X 4 LG.	12
81	88164	LOCK NUT - 3/4 - 10	16
82	95997-01	L.H. AUGER SEGMENT AA'S	4
83	95998	R.H. AUGER SEGMENT AB'S	4
84	134208-01	C1 VALVE COVER	1
85	97541	SET SCREW - 3/8 - 16 UNC X 1 LG.	4
86	137442-03	PUSH ROLLER SHAFT	2
87	121835	COUNTERSINK BOLT - 5/8 - 11 X 2 LG.	22
88	128215-02	CYLINDER GUARD	1
89	138651-04	5/8 X 2 1/2 SHOULDER BOLT	24
90	10D63	1/2 HARDEN FLAT WASHER	24

C-1 CONVEYOR ASSEMBLY
(138946-01)

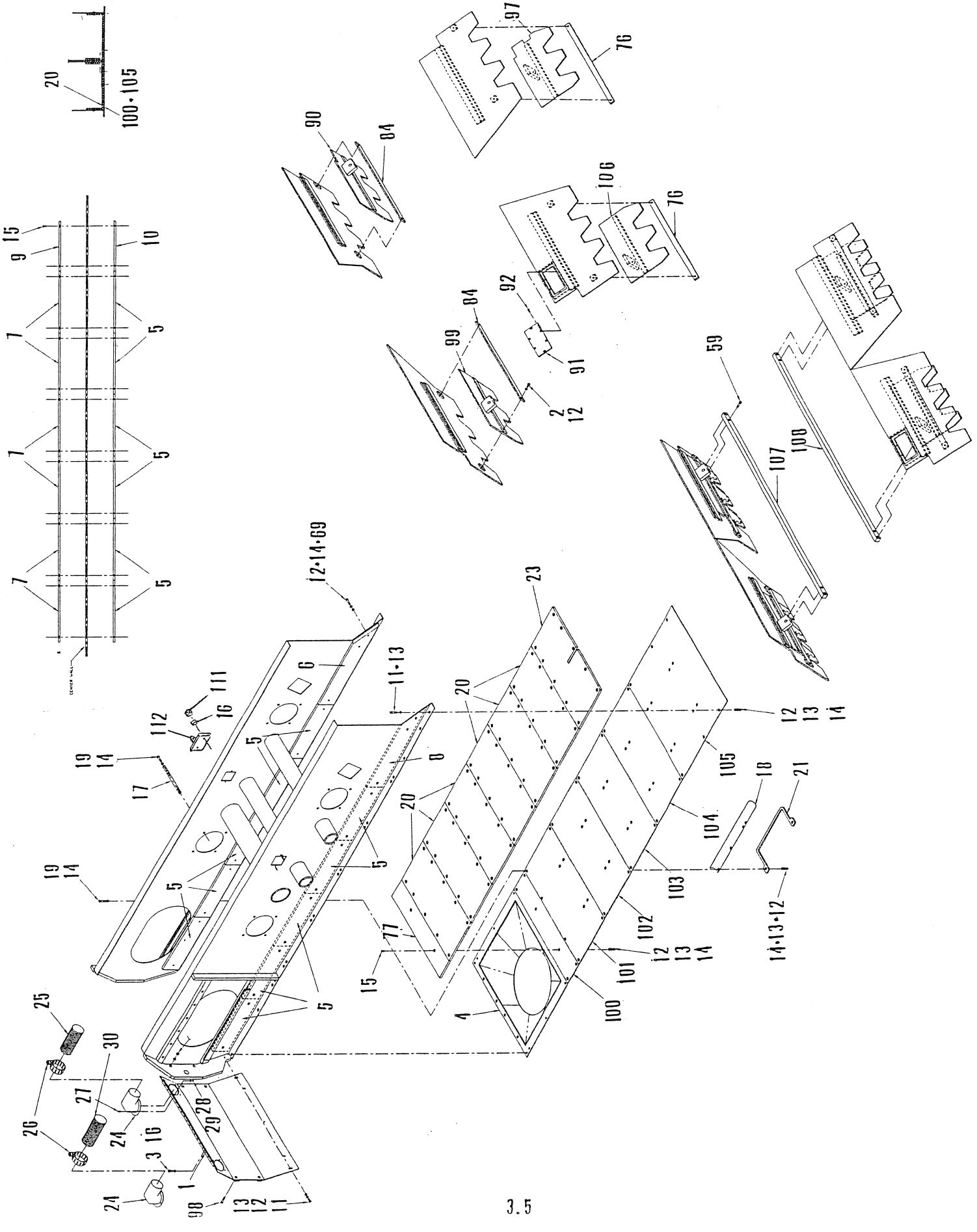


C-1 CONVEYOR ASSEMBLY
(138946-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
91	84401-04	1/2 - 13 UNC CENTER GRIP LOCK NUT	24
92	137502-01	SAFETY BAR	2
93			
94	137539-03	SAFETY BAR LATCHING PIN	2
95	133949-01	C-1 GUARD (RIGHT SIDE)	1
96			
97	93121	HEX HEAD BOLT - 1/2 - 13 X 2 1/2 LG. GD. 8	16
98			
99	96476	HEX HEAD BOLT - 3/8 - 16 X 1 1/4 LG	7
100			
101	97489	" O " - RING	2
102			
103	138040-03	CONTROL COVER GUARD	2
104			
105	99580-03	FLASHING	1
106	133948-01	C-1 GUARD (LEFT SIDE)	1
107	97342	HEX BOLT - 3/4 - 10 X 4 3/4 LG GD. 8	4
108	84071-04	HEX NUT - 3/4 - 10	4
109	86093-04	ST. ELBOW 90 1/8 NPT	2
110	122279	GREASE TUBE 50 1/2 LG. W/ 4 JIC SWIVEL ENDS	2
111	83742-04	CONNECTOR 1/8 TO 4 JIC ST. CONNECTOR	2
112	89462-04	GREASE FITTING - 1/8	2
113	120806-02	HOSE GUARD	1
114	83065	LOCK WASHER - 1/4	3
115	89988-04	HEX HEAD BOLT - 1/4 - 20 X 3/4 LG	3
116	134326-04	1/8 NPT FEMALE ELBOW	2
117	80539-04	TIPPY CLIP (3/8 CONDUIT METAL)	6
118			
119	128164-01	C-1 HOPPER SUB-WELDMENT	1
120	129060-01	FUME CONTROL DEFLECTOR WELDMENT	1
121	129135-01	BLOWER SHROUD WELDMENT	1
122	134686-01	C1 BLOWER MOTOR MTG PLATE	1
123	80169-04	1/8 NPT NIPPLE	2
124			
125	29M97	FOOTSHAFT CENTER BEARING	2
126	129466-01	END PLATE (LEFT)	1
127	122600-01	FOOTSHAFT SPROCKET	2
128			
129	16R05	HEX BOLT - 5/8- 11 X 3 LG. GD. 8	24
130			
131	122019-03	DUMP HOPPER PIN	2
132	129227-03	VENT PIPE	1
133	134543-02	FAN SHROUD EXT. WELDMENT	1
134	134229-04	HYDRAULIC MOTOR - 1MR 170B5760	1
135			
136	89297	5/16 - 18 X 1 HEX HEAD BOLT	8
137	87328-04	5/16 LOCK WASHER	8
138	92235	3/8 LOCK NUT	4
139			

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
140			
141	134965-01	HYD. BAFFLE CYL. GUARD	1
142	134371-01	4' PUSH ROLLER / TRUCK HITCH FRAME WLDT.	1
143	129484-03	CYLINDER PIN	4
144			
145			
146			
147	137597-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE LEFT	1
148	137598-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE RIGHT	1
149	138879-01	ADJUSTABLE PUSH ROLLER FRAME TROLLEY	1
150			
151	138071-03	PUSH ROLLER LUG	2
152	138327-03L	SKID RUNNERS	1
153			
154	133304-01	VIBRATOR ASSEMBLY	1
155	132001-04	SWIVEL CASTER	2
156	133352-01	HYDRAU' 'C BAFFLE WELDMENT	1
157	133353-01	HYDRAULIC BAFFLE CROSSBAR	1
158	97482-01	HYDRAULIC CYLINDER	1
159	133289-01	LEFT BAFFLE GUIDE	1
160	133288-01	RIGHT BAFFLE GUIDE	1
161	138327-03R	SKID RUNNERS	1
162	133966-04	WINCH	1
163	133967-04	SPRING	1
164			
165			
166	127709	1/8" AIRCRAFT CABLE	72
167	120371	SET SCREW - 1/2 - 12 UNC X 3/4	8
168	134331-03	MOUNT - WINCH	1
169			
170			
171			
172	134409-03R	BAFFLE SLIDE	1
173	134409-03L	BAFFLE SLIDE	1
174	134461-03	IDLE BEARING GUARD	4
175	134551-04	WIRE ROPE CLAMP - 1/8	2
176	135983-02	CYLINDER STOP	4
177			
178			

C-2 CONVEYOR ASSEMBLY
(138657-01)

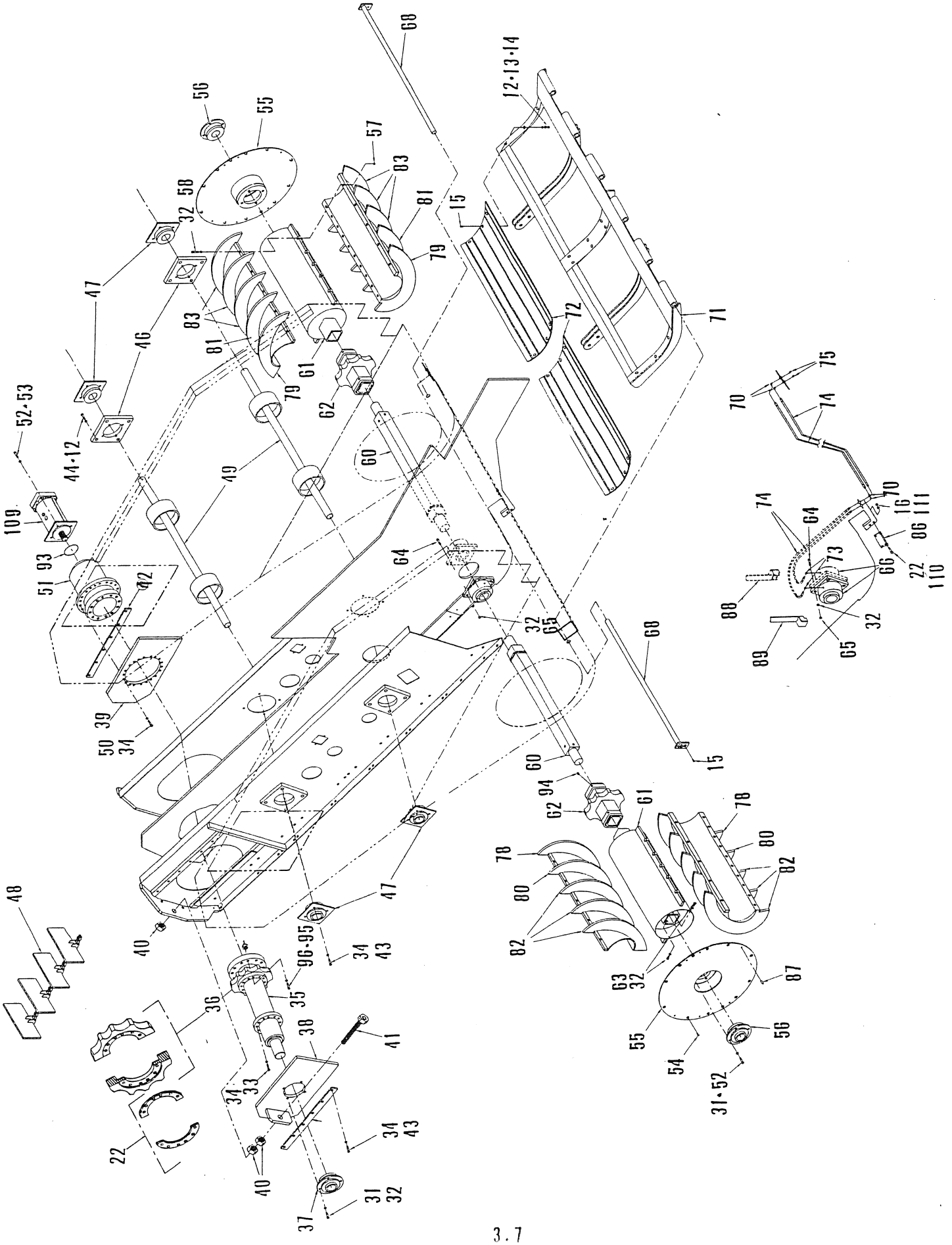


C-2 CONVEYOR ASSEMBLY
(138657-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	129103-01	C2 ACCESS DOOR WELDMENT	1
2	83754	HEX BOLT - 1/2 - 13 X 1	8
3	96476	HEX BOLT - 3/8 - 16 X 1 1/4	7
4	129936-01	C2 CHUTE WELDMENT	1
5	137644-03	C2 CONVEYOR SIDE WEAR PLATE	16
6	137640-03	C2 CONVEYOR SIDE WEAR PLATE	1
7	137643-03	C2 CONVEYOR SIDE WEAR PLATE	6
8	137639-03	C2 CONVEYOR SIDE WEAR PLATE	1
9	137642-03	C2 CONVEYOR SIDE WEAR PLATE	1
10	137641-03	C2 CONVEYOR SIDE WEAR PLATE	1
11	93144	HEX BOLT - 1/2 - 13 X 1 1/2	36
12	83317	LOCK WASHER - 1/2 SPRING WASHER	92
13	83288	HEX NUT - 1/2 - 13 GD. 8	80
14	83781-04	FLAT WASHER - 1/2 STEEL	56
15	29C18	CSK BOLT - 1/2 - 13 X 1 3/4	58
16	83056	LOCK WASHER - 3/8 SPRING STEEL	7
17	120871-03	HOSE PROTECTOR BRACKET	1
18	120872-03	HOSE PROTECTOR PLATE	1
19	85941-04	HEX BOLT - 1/2 - 13 X 2	4
20	BN-906-7143	LINER NI-HARD 3/4 THK.	6
21	138077-03	HOSE GUARD WELDMENT	1
22	138578-04	SPROCKET COVER PLATE	2
23	122597-03	C2 BOTTOM FRONT NI-HARD	1
24	129110-02	FLANGED EXHAUST ELBOW WELDMENT	2
25	125232-04	HOSE - 4" FLEX 2 PLY FIBERGLASS	180
26	129000	HOSE CLAMP - 4 1/2 IDEAL	2
27	89988-04	HEX BOLT - 1/4 - 20 X 3/4	8
28	83065	LOCK WASHER - 1/4 SPRING STEEL	8
29	89772	HEX NUT - 1/4 - 20 GD. 8	8
30	125232-04	HOSE - 4" FLEX 2 PLY FIBERGLASS	204
31	93071	HEX BOLT - 3/4 - 10 X 2	16
32	83752-04	LOCK WASHER - 3/4 SPRING STEEL	60
33	89252	HEX BOLT - 5/8 - 11 X 2 1/2	24
34	84717	LOCK WASHER - 5/8 SPRING STEEL	72
35	138589-01	C2 CONVEYOR HEAD SHAFT WELDMENT	1
36	138582-01	10 TOOTH SPROCKET (MACHINED)	2
37	97350-04	BEARING FLANGE	1
38	135859-01	RIGHT C2 TAKE-UP WELDMENT	1
39	135857-01	LEFT C2 TAKE-UP WELDMENT	1
40	83031	HEX NUT - 1 1/2 GD. 8	6

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	99060-04	TAKE UP SCREW	2
42	122419-03	UPPER KEEPER BAR	2
43	84778	HEX BOLT - 5/8 - 11 X 1 1/2	28
44	89142	HEX BOLT - 1/2 - 13 X 1 3/4	8
45	83317-04	LOCK WASHER - 1/2 SPRING STEEL	28
46	99364-03	BEARING PLATE	2
47	88993-04	BEARING - 4 BOLT FLANGE	4
48	98808-02	C2 CONVEYOR CHAIN WELDMENT	1
49	99363-01	C2 IDLER SHAFT WELDMENT	2
50	93122	HEX BOLT - 5/8 - 11 X 2 1/4	20
51	137209-04	C2 DRIVE SPINDLE OUTPUT ASSEMBLY	1
52	26B48	WASHER - 3/4	12
53	95930	HEX BOLT - 3/4 - 10 X 2 3/4	4
54	128462	CSK BOLT - 1/2 - 13 X 1	24
55	120988-01	BEARING RETAINER WELDMENT	2
56	29M98	BEARING - FLANGED 3" 4 BOLT	2
57	88164	LOCK NUT - 3/4 - 10 GD. 8	30
58	95834	SOCKET SCREW - 3/4 - 10 X 4	30
59	90511	SOCKET SCREW - 1/2 - 13 X 2	8
60	130507-01	C2 CONVEYOR FOOTSHAFT WELDMENT	2
61	122594-01	AUGER MOUNTING TUBE WELDMENT	2
62	130506-01	10 TOOTH SPROCKET WELDMENT	2
63	123379	HEX BOLT - 3/4 - 16 X 1 3/4	2
64	12K35	HEX BOLT - 3/4 - 10 X 4	4
65	84071-04	HEX NUT - 3/4 - 10 GD. 8	8
66	29M97	BEARING - 3 1/2 PILOTED	2
67	84401-04	1/2 - 13 UNC CENTER GRIP LOCK NUT	24
68	99192-02	GATE PIN WELDMENT	2
69	86164	BOLT - HEX - 1/2 - 13 X 1 1/4 GD. 8	26
70	84560-04	FITTING - 4 JIC X 1/8 NPT X 4 JIC 90	4
71	123051-01	C2 HOPPER CLEAN OUT DOOR WELDMENT	1
72	123196-02	C2 HOPPER DOOR LINER WELDMENT	2
73	99509	FITTING - 4 JIC X 1/8 NPT X 45 DEG.	2
74	29F89	GREASE LINE - 144 LG. W/ 4 JIC SW. END	4
75	83416	GREASE FITTING - 1/8 NPT	2
76	98012-02	FRONT GUIDE BAR	2
77	138066-04	C2 REAR BOTTOM NI-HARD	1
78	95997-01	FLIGHT - 12 1/2 PITCH AUGER R.H.	2
79	95998	FLIGHT - 12 1/2 PITCH AUGER L.H.	2
80	96003-01	FLIGHT - 8 3/4 PITCH AUGER R.H.	2

C-2 CONVEYOR ASSEMBLY
(138657-01)



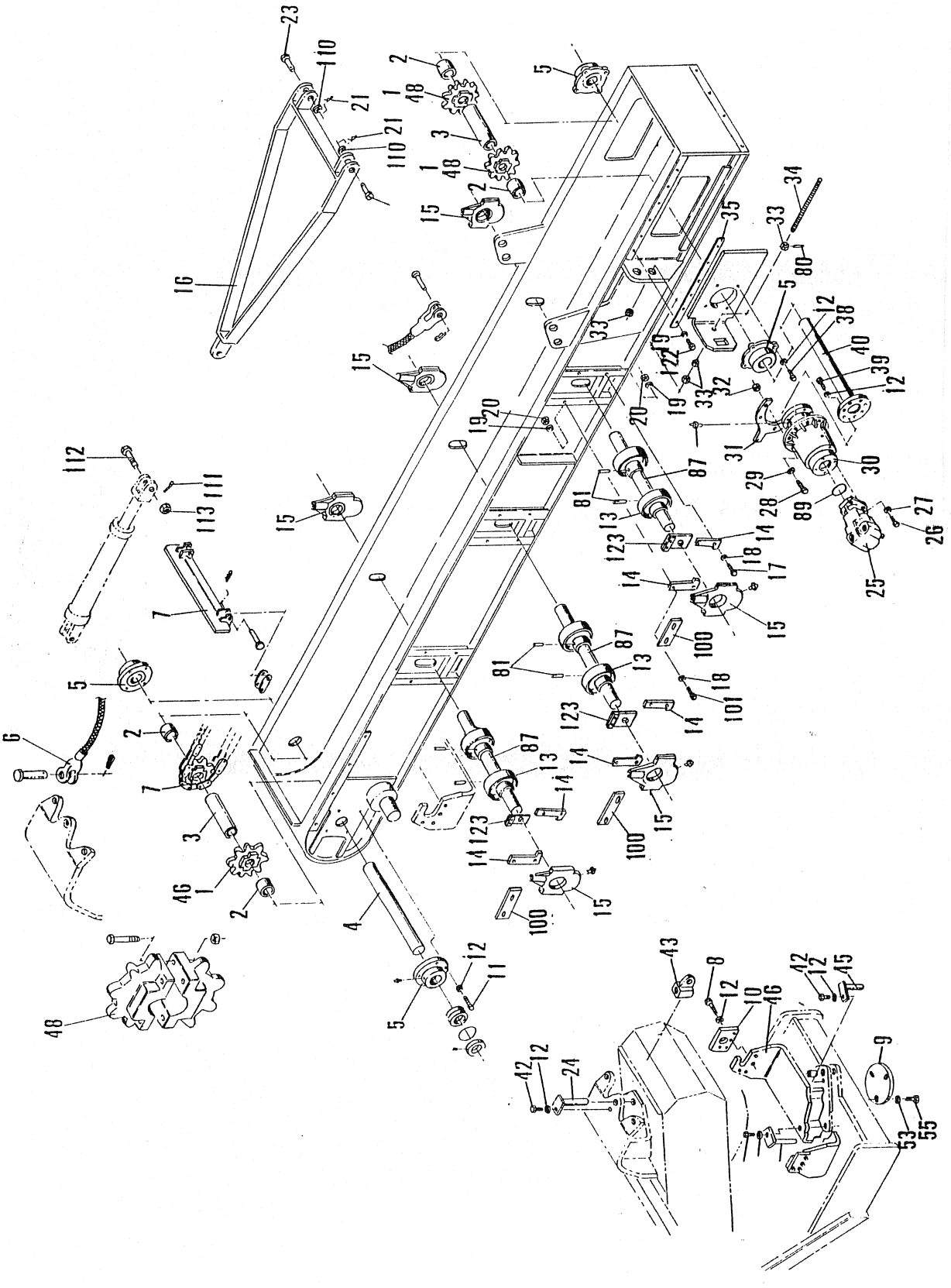
C-2 CONVEYOR ASSEMBLY
(138657-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
81	96004	FLIGHT - 8 3/4 PITCH AUGER L.H.	2
82	96005-01	FLIGHT - 5 3/8 PITCH AUGER R.H.	6
83	96006	FLIGHT - 5 3/8 PITCH AUGER L.H.	6
84	98013-02	REAR GUIDE BAR	2
85	122336	HEX BOLT - 3/4 - 16 X 3	12
86	137935-04	LIMIT SWITCH BRACKET	1
87	OO193	RD. BAR - 1/2 DIA. X 1 1/4 LG. CD-1018	4
88	99502-02	C2 HOPPER GREASE LINE SHIELD WELDMENT	1
89	99395-02	GREASE LINE SHIELD WELDMENT	1
90	99831-01	REAR FLOW GATE	1
91	123413-03	COVER	1
92	92818	CSK. BOLT - 3/8 - 16 X 3/4	6
93	99929	O-RING KIT #163	1
94	96724	SET SCREW - 3/4 - 10 X 1	4
95	138651-04	5/8 DIA. X 2 1/2 SHOULDER BOLT	24
96	10D63	1/2 HARDEN FLAT WASHER	24
97	99832-01	FRONT FLOW GATE	1
98	93723	HEX BOLT - 3/4 - 10 X 2 1/2	4
99	97991-01	REAR FLOW GATE	1
100	138258-02	C2 REAR BOTTOM END PLATE	1
101	138259-02	C2 REAR BOTTOM PLATE	1
102	138260-02	C2 REAR BOTTOM CENTER PLATE	1
103	138261-02	C2 FRONT BOTTOM CENTER PLATE	1
104	138262-02	C2 FRONT BOTTOM PLATE	1
105	138263-02	C2 FRONT BOTTOM END PLATE	1
106	97992-01	FRONT FLOW GATE	1
107	99891-02	REAR FLOW GATE TIE BAR	1
108	99892-02	FRONT FLOW GATE TIE BAR	1
109	120333-01-10	C2 HYDRAULIC MOTOR	
110	83924	BOLT - HEX - 3/8 - 16 X 1 1/2	2
111	83055	NUT - 3/8 - 16 HEX	6
112	129384-03	C-2 INSPECTION DOOR	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

C3 CONVEYOR ASSEMBLY
(138454-01)

NOTE: WHEN REFERING TO SERVICE OF THE PLANETARY REDUCERS, PLEASE IDENTIFY THE COMPONENT ON YOUR UNIT AS EITHER FAIRFIELD OR ESKRIDGE. THIS INFORMATION CAN BE FOUND ON THE METAL TAG ATTACHED TO THE COMPONENT

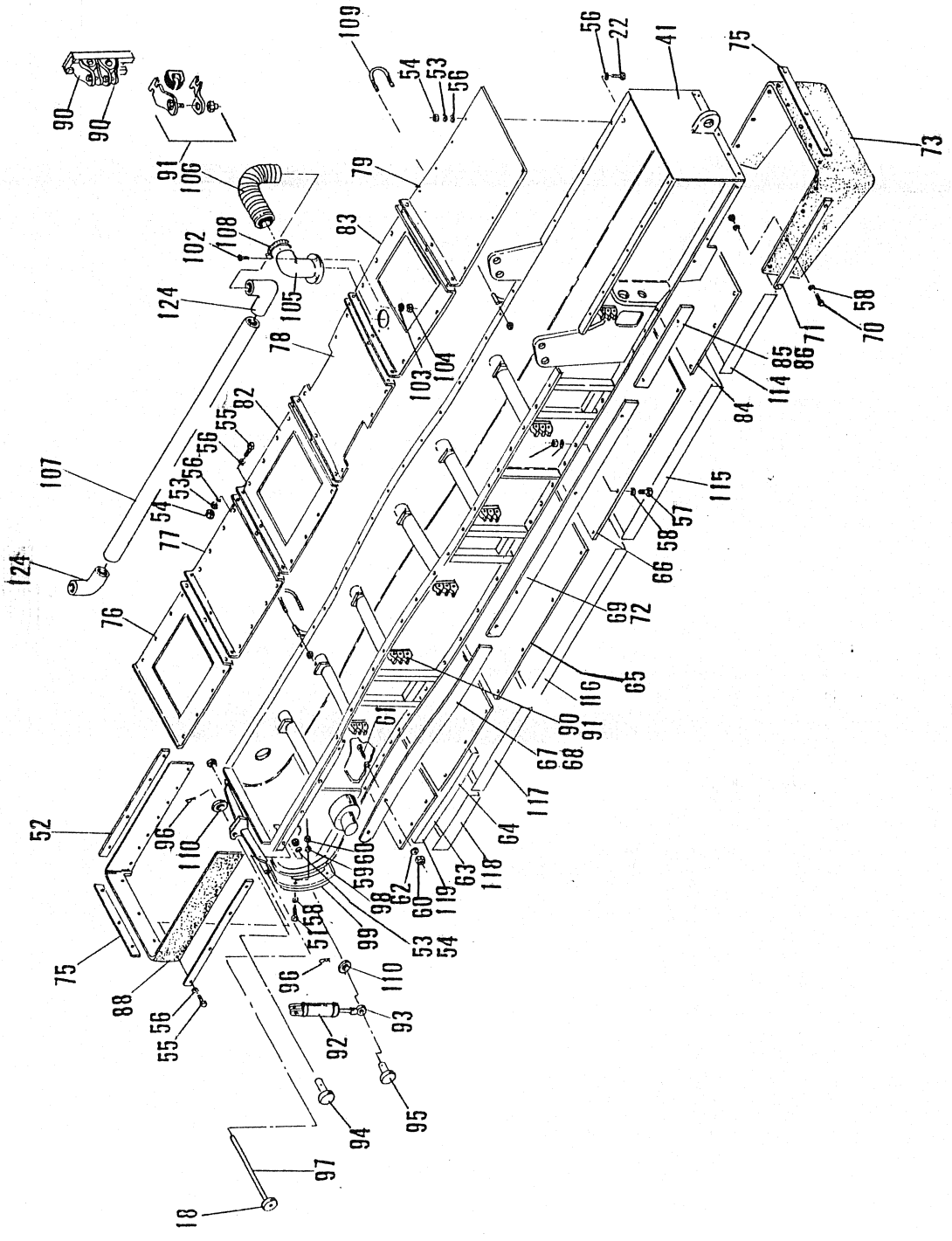


C3 CONVEYOR ASSEMBLY
(138454-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	130524-01	10 TOOTH SPROCKET W/ 7" BOLTS & NUTS	4
2	10385	3 1/2" RD. TUBE X 3/16" WALL X 1 1/2" LG.	4
3	10385	3 1/2" RD. TUBE X 3/16" WALL X 20 9/16" LG.	2
4	99784-03	TAIL SHAFT	1
5	29G14	FLANGE BEARING	4
6	94375-04	SAFETY CABLE W/ PIN & KEEPER PINS	2
7	134136-01	C-3 CONVEYOR CHAIN ASS'Y	1
8	93189	3/4 - 10 X 2 1/4" LG. HEX HD. BOLT GD. 8	4
9	123143-03	COVER PLATE	1
10	121890-02	C-3 SUPPORT BRACKET	2
11	93723	3/4 - 10 X 2 1/2" LG. HEX HD. BOLT GD. 8	8
12	83752-04	3/4" LOCK WASHER	20
13	121711-03	IDLER WHEEL	6
14	128828-03	BEARING GUIDE	12
15	29G13	BEARING	6
16	134441-01	C-3 CONVEYOR LIFT BAR	1
17	89142	1/2 - 13 X 1 1/4" HEX HD. BOLT	12
18	83781-04	1/2" FLAT WASHER	38
19	83317	1/2" LOCK WASHER	45
20	83288	1/2" - 13 HEX NUT	15
21	27D66	3/16" X 2" COTTER PIN	12
22	84332	3/8" X 1" HEX HD. BOLT	36
23	129582-04	1" X 2 3/8" PIN	4
24	99181-03	C-3 CONVEYOR LIFT PIN	1
25	91681-04	C-3 DRIVE MOTOR	REF.
26	93144	1/2 - 13 X 1 1/2" HEX HD. BOLT	15
27	95936	1/2" HARD WASHER	18
28	95930	3/4 - 10 X 2 3/4 HEX HD. BOLT	4
29	95937	3/4" HARD WASHER	4
30	29F03	PLANETARY REDUCER (FAIRFIELD)	2
31	99778-03	TORQUE ARM	1
32	95938	3/4" - 10 JAM NUT	5
33	83031	1 1/2" - 16 HEX NUT	8
34	99060-04	1 1/2 - 16 X 21" TAKE-UP BOLT	2
35	122419-03	KEEPER BAR	2
36	122406-01	TAKE-UP SUPPORT	2
37			
38	94739	3/4 - 10 X 1 1/2" HEX HD. BOLT	16
39	134900	3/4 - 16 X 3 1/4" HEX HD. BOLT	12
40	99779-01	HEAD SHAFT	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	138431-01	C-3 CONVEYOR WELDMENT	1
42	93071	3/4 - 10 X 2" HEX HD. BOLT	3
43	89155-03	CONVEYOR LINK	1
44	99197-03	C-3 SWING CYLINDER PIN	1
45	122102-03	C-3 SHIPPING PIN	1
46	123142-01	C-3 CONVEYOR PIVOT YOKE	1
47			1
48	OO965	KEY STOCK 3/4 X 3/4 X 4 LG.	4
49			3
50	83416	1/8" NPT GREASE FITTING	1
51	122702-01	FLASHING - RUBBER	1
52	122124-04	CLAMP BAR - SIDE	2
53	83056	3/8" LOCK WASHER	81
54	83055	3/8" HEX NUT	81
55	96476	3/8" - 16 X 1 1/4" HEX HD. BOLT	81
56	83757	3/8" FLAT WASHER	78
57	93144	1/2 - 13 X 1 1/2" HEX HD. BOLT	76
58	83781-04	1/2" FLAT WASHER	67
59	83317	1/2" LOCK WASHER	57
60	83288	1/2" - 13 HEX NUT	67
61	26C72	1/2 - 13 X 1 1/2 C'SUNK BOLT	28
62	95936	1/2" HARD WASHER	28
63	99773-03	END BOTTOM PLATE	1
64	122683-02	BOTTOM PLATE	1
65	122682-01	CENTER BOTTOM DOOR	1
66	122681-01	FRONT BOTTOM DOOR	1
67	137679-03R	C3 SIDE LINER - RH	1
68	137679-03L	C3 SIDE LINER - LH	1
69	137678-03R	C3 SIDE LINER PLATE - RIGHT	6
70			
71	99788-04	BAR CLAMP	2
72	137678-03L	C3 SIDE LINER - LEFT	6
73	125557-02	FLASHING - RUBBER	1
74			
75	99789-04	BAR CLAMP	2
76	125460-02	TOP COVER	1
77	122706-03	TOP COVER	1
78	122705-03	TOP COVER	1
79	122704-03	TOP COVER	1
80	90392	ROLLER PIN - 3/8 X 2 1/4	2

C3 CONVEYOR ASSEMBLY
(138454-01)

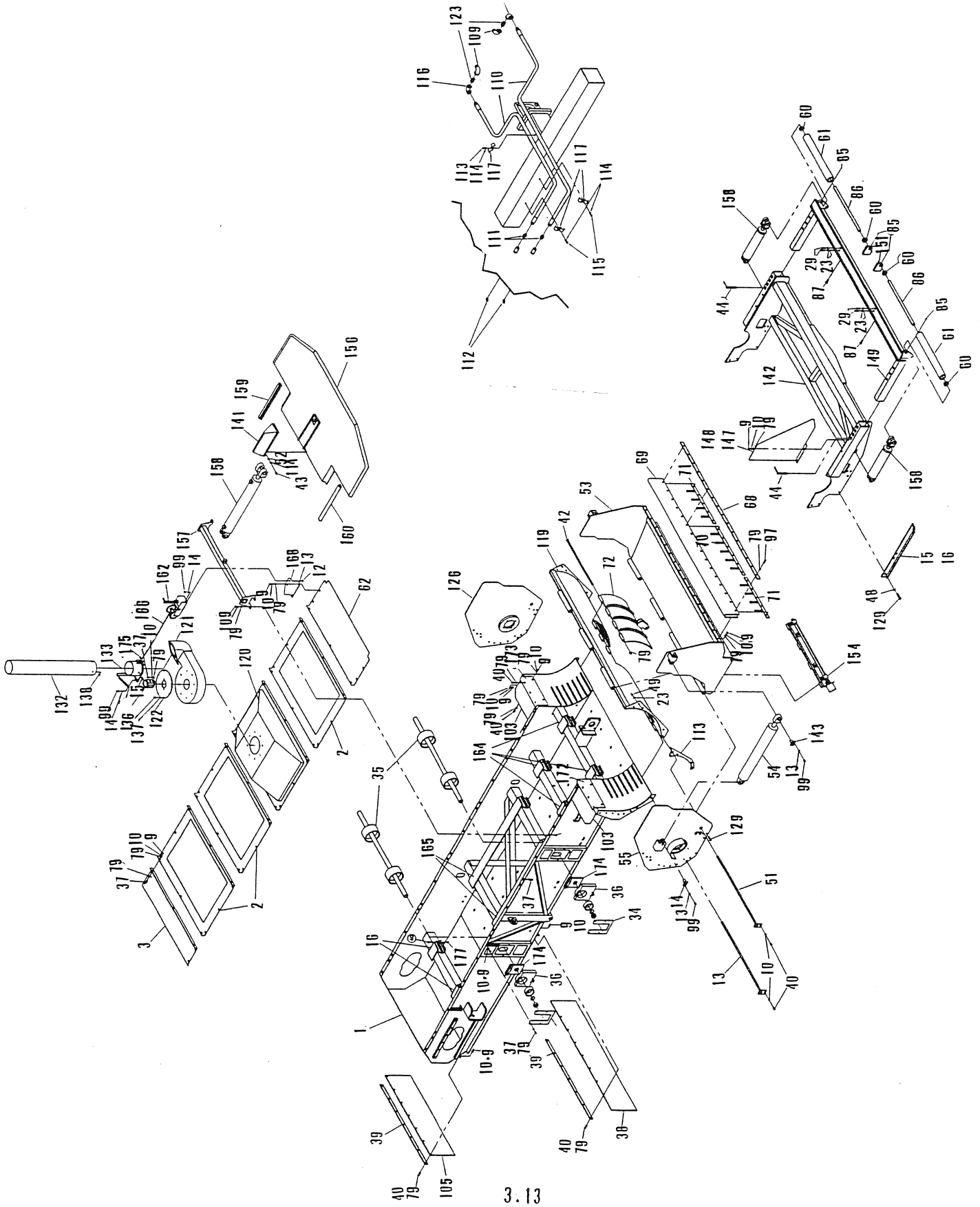


C-3 CONVEYOR ASSEMBLY
(138454-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
81	10428	PIN - SPLIT 3/8 - 3 1/4	6
82	125484-02	TOP COVER WELDMENT	1
83	129096-01	TOP COVER WELDMENT	1
84	123769-02	BOTTOM DOOR WLEDMENT	1
85			
86			
87	121712-03	IDLER SHAFT	3
88	125193-01	C3 CONVEYOR FLASHING RUBBER	1
89	97489	KIT - O-RING 70 D	1
90	11K79	CLAMP - MOUNTING FOR 2 DIA. HOSE	12
91	11K76	CLAMP - FOR 1 1/4 DIA. HOSE	6
92	84473-02	CYLINDER - CLEAN OUT DOOR	
93	83439-04	ROD END FEMALE - 1 RH	
94	129587-04	RPIN - C3 CYLINDER	2
95			
96	70741	PIN - COTTER 3/16 X 2 1/2	4
97	OO53O	RD. BAR - 3/4 DIA. X 25 1/4 LG.	1
98	128909-03	END COVER PLATE WELDMENT	1
99	128833-01	C3 TRAP DOOR WELDMENT	1
100	128827-03	BEARING STOP	6
101	89142	BOLT HEX - 1/2 - 13 X 1 3/4	12
102	89988-04	BOLT HEX - 1/4 - 20 X 3/4	4
103	83065	WASHER - LOCK - 1/4 SPRING STEEL	4
104	89772	NUT - 1/4 - 20 HEX GD. 8	4
105	129111-02	FLANGED EXHAUST ELBOW	1
106	125232-04	4 DIA. HOSE 4' LG.	1
107	138462-04	FUME EXTRACTION TUBE	1
108	129000	CLAMP HOSE 4 1/2 IDEAL #646	2
109	93129	CLAMP - 4" MUFFLER	5
110	84119-04	WASHER - FLAT 1"	4
111	70741	PIN - COTTER 3/16 X 2 1/2	1
112	131789	BOLT - HEX - 1 1/4 - 7 X 6 LG.	1
113	131790	NUT - CASTLE - 1 1/4 - 7 HEX SLOTTED	1
114	131774-03	INSULATION COVER WELDMENT	1
115	131775-03	INSULATION COVER WELDMENT	1
116	131776-03	INSULATION COVER WELDMENT	1
117	131777-03	INSULATION COVER WELDMENT	1
118	131778-03	INSULATION COVER WELDMENT	1
119	133941-04	INSULATION FIREBOARD 3 X 48 X 96	4
120	134928-03	C3 REPLACEABLE WEAR BAR	24

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
121			
122	89143	BOLT - HEX - 5/8 - 11 X 1 3/4	12
123	134461-04	IDLER BEARING GUARD	6
124	29H38	4" 90 ELBOW	2

C-1 CONVEYOR ASSEMBLY
(138656-01)



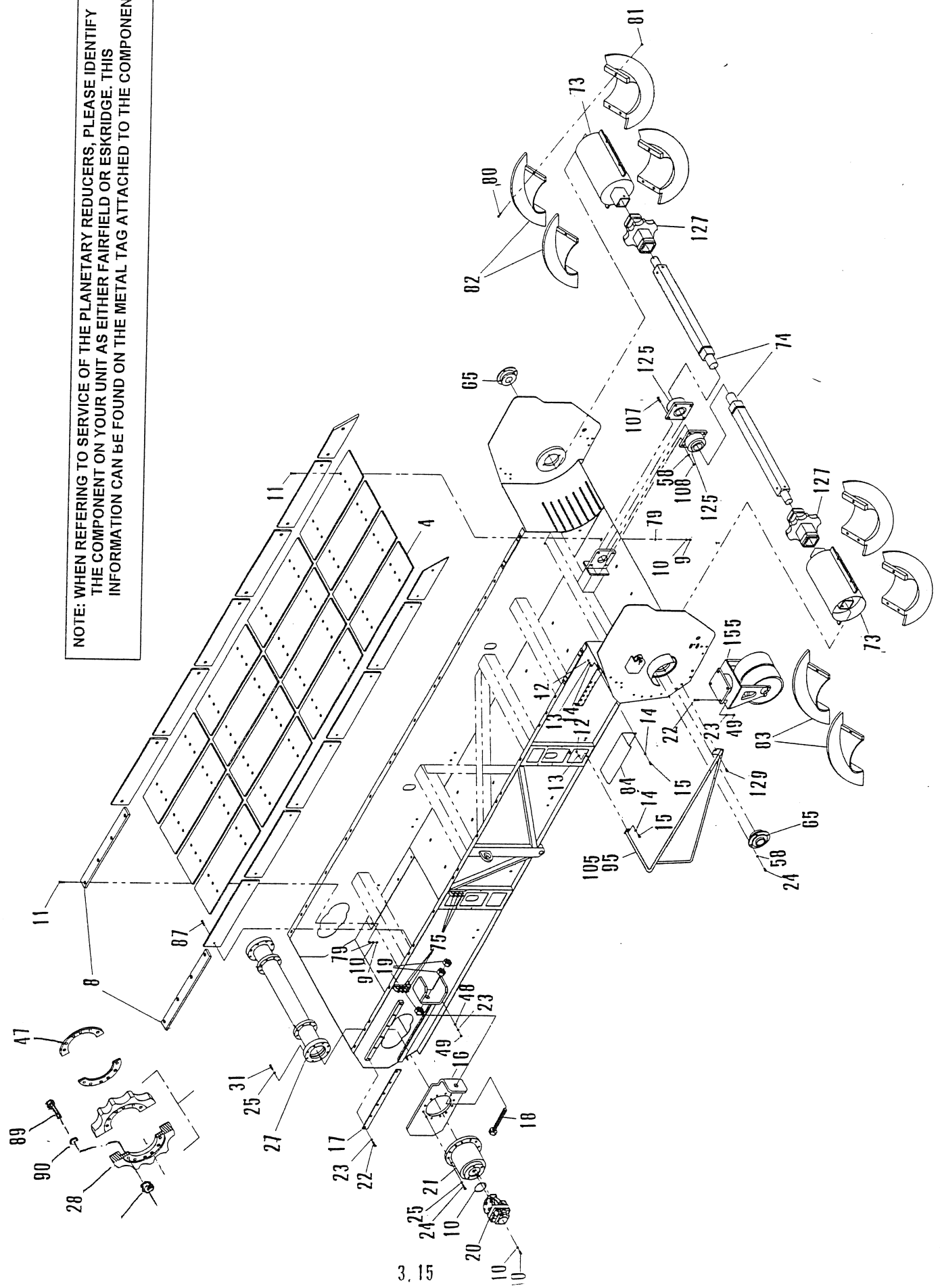
C-1 CONVEYOR ASSEMBLY
(138656-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	138359-01	C1 CONVEYOR WELDMENT	1
2	133945-01	COVER PLATE	3
3	122765-02	COVER PLATE	1
4	98961-03	WEAR PLATE (BOTTOM)	16
5	137683-03L	WEAR PLATE (L.H. SIDE)	1
6	137638-03R	WEAR PLATE (R.H. SIDE)	1
7	137682-03	WEAR PLATE (SIDES)	10
8	99056-03	WEAR BAR	2
9	83288	HEX NUT - 1/2 - 13	211
10	83317	LOCK WASHER - 1/2	223
11	29C18	COUNTERSINK BOLT - 1/2 - 13 X 1 3/4 LG.	104
12	83055	HEX NUT - 3/8 - 16	6
13	83056	LOCK WASHER - 3/8	8
14	83757	FLAT WASHER - 3/8	11
15	84332	HEX HEAD BOLT - 3/8 - 16 X 1 LG.	8
16	122404-01	TAKE - UP SUPPORT	2
17	122419-03	UPPER KEEPER BAR	2
18	99060-04	TAKE - UP SCREW	2
19	83031	HEX NUT - 1 - 1/2 - 6	6
20	91681-04	HYDRAULIC MOTOR	2
21	137208-04	TORQUE HUB	2
22	89143	HEX HEAD BOLT - 5/8 - 11 X 1-3/4 LG	20
23	84717	LOCK WASHER - 5/8	72
24	93723	HEX HEAD BOLT - 3/4 - 10 X 2 1/2	32
25	95937	HARDWASHER - 3/4	56
26	84674	HEX HEAD BOLT - 1/2 - 13 X 2 LG.	10
27	138593-01	HEAD SHAFT	1
28	138582-01	SPROCKET	2
29	93122	HEX HEAD BOLT - 5/8 - 11 X 2 1/4 LG GD. 8	4
30	134687-04	INSPECTION COVER	1
31	122336	HEX HEAD BOLT - 3/4 -16 X 3 LG.	32
32	98807-02	C1 CONVEYOR CHAIN ASSEMBLY	1
33	129568	FLAT WASHER - 1 3/4	2
34	133151-01	BEARING GUIDE	4
35	99147-03	IDLER SHAFT	2
36	29G13	IDLER BEARING	4
37	86164	HEX HEAD BOLT - 1/2 - 13 X 1 1/4 LG.	57
38	99158-03	FLASHING	1
39	99159-03	CLAMP BAR	2
40	93144	HEX HEAD BOLT - 1/2 - 13 X 1 1/2 LG.	66
41	99165-04	PIVOT PIN	2
42	128297-03	HINGE PIN CLEAN - OUT DOOR	1
43	90763	HEX BOLT - 1/4 - 20 X 1 1/4	6
44	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
45	27D87	COTTER PIN - 3/8 X 3 - 1/2 LG.	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	29E83	HYDRAULIC CYLINDER W/ PINS	2
47	138578-04	SPROCKET COVER PLATE	2
48	85147	FLAT WASHER - 5/8	48
49	85148	HEX NUT - 5/8 - 11	56
50			
51	99183-03	PIVOT PIN	2
52	84444	1/4 FLAT WASHER	6
53	130590-01	PUSH ROLLER / TRUCK HITCH DUMP HOPPER WLT.	1
54	83322-01	HYDRAULIC CYLINDER	2
55	129465-01	END PLATE (RIGHT)	1
56			
57	84071	HEX NUT - 3/4 - 10	4
58	83752-04	LOCK WASHER - 3/4	12
59			
60	84734-04	ROLLER BEARING	4
61	137441-02	PUSH ROLLER	2
62	122767-01	COVER PLATE	1
63			
64			
65	122266-04	BEARING	2
66			
67	96041	HEX BOLT - 5/8 - 11 UNC X 2 LG. GD. 8	4
68	96008-03	BACKING BAR	1
69	99218-02	RUBBER	1
70	99212-03	FLASHING SUPPORT WELDMENT	1
71	99213-03	FLASHING SUPPORT WELDMENT	2
72	128165-01	HOPPER CLEANOUT DOOR WELDMENT	1
73	122583-01	AUGER MOUNTING TUBE	2
74	122598-01	FOOTSHAFT	2
75	11K76	1 1/4 TUBE CLAMP	12
76			REF.
77	128267-04	CYLINDER PIN	2
78	89151	HEX BOLT - 3/4 - 10 X 3 LG. GD. 8	4
79	83781-04	FLAT WASHER - 1/2	255
80	95834	HEX HEAD BOLT - 3/4 - 10 X 4 LG.	12
81	88164	LOCK NUT - 3/4 - 10	16
82	95997-01	L.H. AUGER SEGMENT AA'S	4
83	95998	R.H. AUGER SEGMENT AB'S	4
84	134208-01	C1 VALVE COVER	1
85	97541	SET SCREW - 3/8 - 16 UNC X 1 LG.	4
86	137442-03	PUSH ROLLER SHAFT	2
87	121835	COUNTERSINK BOLT - 5/8 - 11 X 2 LG.	22
88	128215-02	CYLINDER GUARD	1
89	138651-04	5/8 X 2 1/2 SHOULDER BOLT	24
90	10D63	1/2 HARDEN FLAT WASHER	24

C-1 CONVEYOR ASSEMBLY
(138656-01)

NOTE: WHEN REFERING TO SERVICE OF THE PLANETARY REDUCERS, PLEASE IDENTIFY THE COMPONENT ON YOUR UNIT AS EITHER FAIRFIELD OR ESKRIDGE. THIS INFORMATION CAN BE FOUND ON THE METAL TAG ATTACHED TO THE COMPONENT



C-1 CONVEYOR ASSEMBLY
(138656-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
91	84401-04	1/2 - 13 UNC CENTER GRIP LOCK NUT	24
92	137502-01	SAFETY BAR	2
93			
94	137539-03	SAFETY BAR LATCHING PIN	2
95	133949-01	C-1 GUARD (RIGHT SIDE)	1
96			
97	93121	HEX HEAD BOLT - 1/2 - 13 X 2 1/2 LG. GD. 8	16
98			
99	96476	HEX HEAD BOLT - 3/8 - 16 X 1 1/4 LG	7
100			
101	97489	" O " - RING	2
102			
103	138040-03	CONTROL COVER GUARD	2
104			
105	99580-03	FLASHING	1
106	133948-01	C-1 GUARD (LEFT SIDE)	1
107	97342	HEX BOLT - 3/4 - 10 X 4 3/4 LG GD. 8	4
108	84071-04	HEX NUT - 3/4 - 10	4
109	86093-04	ST. ELBOW 90 1/8 NPT	2
110	122279	GREASE TUBE 50 1/2 LG. W/ 4 JIC SWIVEL ENDS	2
111	83742-04	CONNECTOR 1/8 TO 4 JIC ST. CONNECTOR	2
112	89462-04	GREASE FITTING - 1/8	2
113	120806-02	HOSE GUARD	1
114	83065	LOCK WASHER - 1/4	3
115	89988-04	HEX HEAD BOLT - 1/4 - 20 X 3/4 LG	3
116	134326-04	1/8 NPT FEMALE ELBOW	2
117	80539-04	TIPPY CLIP (3/8 CONDUIT METAL)	6
118			
119	128164-01	C-1 HOPPER SUB-WELDMENT	1
120	129060-01	FUME CONTROL DEFLECTOR WELDMENT	1
121	129135-01	BLOWER SHROUD WELDMENT	1
122	134686-01	C1 BLOWER MOTOR MTG PLATE	1
123	80169-04	1/8 NPT NIPPLE	2
124			
125	29M97	FOOTSHAFT CENTER BEARING	2
126	129466-01	END PLATE (LEFT)	1
127	122600-01	FOOTSHAFT SPROCKET	2
128			
129	16R05	HEX BOLT - 5/8- 11 X 3 LG. GD. 8	24
130			
131	122019-03	DUMP HOPPER PIN	2
132	129227-03	VENT PIPE	1
133	134543-02	FAN SHROUD EXT. WELDMENT	1
134	134229-04	HYDRAULIC MOTOR - 1MR 170B5760	1
135			
136	89297	5/16 - 18 X 1 HEX HEAD BOLT	8
137	87328-04	5/16 LOCK WASHER	8
138	92235	3/8 LOCK NUT	4
139			

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
140			
141	134965-01	HYD. BAFFLE CYL. GUARD	1
142	134371-01	4' PUSH ROLLER / TRUCK HITCH FRAME WLDT.	1
143	129484-03	CYLINDER PIN	4
144			
145			
146			
147	137597-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE LEFT	1
148	137598-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE RIGHT	1
149	138879-01	ADJUSTABLE PUSH ROLLER FRAME TROLLEY	1
150			
151	138071-03	PUSH ROLLER LUG	2
152	138327-03L	SKID RUNNERS	1
153			
154	133304-01	VIBRATOR ASSEMBLY	1
155	132001-04	SWIVEL CASTER	2
156	133352-01	HYDRAULIC BAFFLE WELDMENT	1
157	133353-01	HYDRAULIC BAFFLE CROSSBAR	1
158	97482-01	HYDRAULIC CYLINDER	1
159	133289-01	LEFT BAFFLE GUIDE	1
160	133288-01	RIGHT BAFFLE GUIDE	1
161	138327-03R	SKID RUNNERS	1
162	133966-04	WINCH	1
163	133967-04	SPRING	1
164	133963-03	6" REPLACEABLE WEAR BAR	12
165	133964-03	66" REPLACEABLE WEAR BAR	4
166	127709	1/8" AIRCRAFT CABLE	72
167	120371	SET SCREW - 1/2 - 12 UNC X 3/4	8
168	134331-03	MOUNT - WINCH	1
169			
170			
171			
172	134409-03R	BAFFLE SLIDE	1
173	134409-03L	BAFFLE SLIDE	1
174	134461-03	IDLE BEARING GUARD	4
175	134551-04	WIRE ROPE CLAMP - 1/8	2
176	135983-02	CYLINDER STOP	4
177	84401-04	LOCK NUT - 1/2 - 13	32
178			

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:_____
DATE PURCHASED:_____
ENGINE MAKE:_____
ENGINE MODEL:_____

CHANGES

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

NOTES

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FOR INFORMATION AND/OR ASSISTANCE:

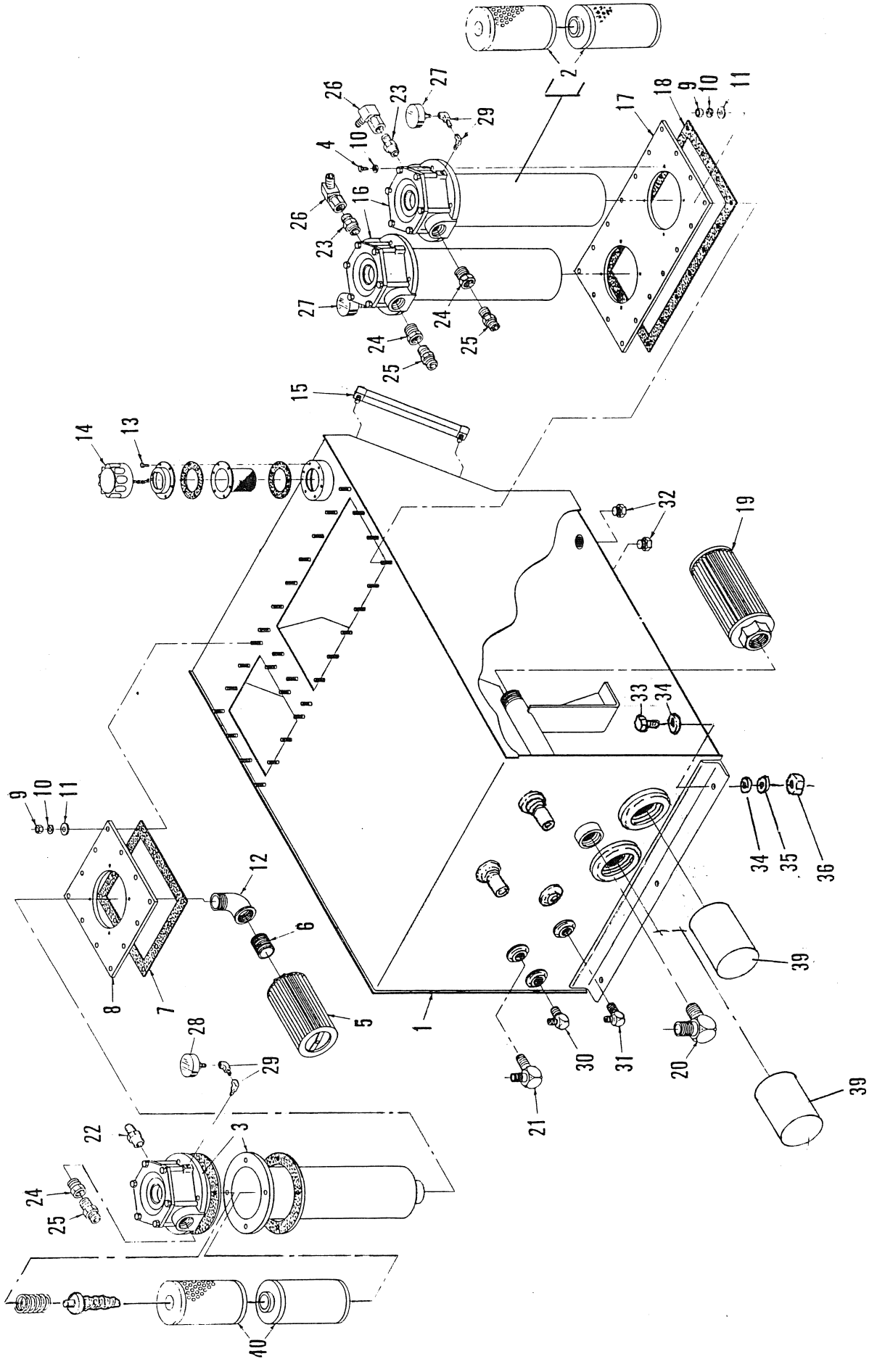
ROADTEC, INC.
800 MANUFACTURERS ROAD
PO BOX 180515
CHATTANOOGA, TN 37405-7515

PHONE: 423-265-0600 OR
1-800-272-7100
FAX: 423-267-7104

SECTION 4: HYDRAULIC ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	129268-01	293 & UP	4.1
AUXILIARY PUMP	131469-01	320 & UP	4.3
BRAKE (ROCKWELL AXLES)	130804-01	298 & UP	4.5
BRAKE (CLARK AXLES)	120330-01	204 – 297	4.7
C-1 CONVEYOR CLEAN OUT	129219-01	261 & UP	4.9
C-1 CONVEYOR DRIVE	120743-01	293 & UP	4.11
C-1 LIFT, DUMP & VIBRATOR	134569-01	352 & UP	4.13
C-2 CONVEYOR DRIVE	120333-01	204 & UP	4.15
C-2 HOPPER CLEAN OUT	121730-01	294 & UP	4.17
C-3 CONVEYOR CLEAN OUT	128973-01	293 & UP	4.19
C-3 CONVEYOR DRIVE	127791-01	293 & UP	4.21
C-3 SWING & LIFT	120336-01	294 & UP	4.23
FUME CONTROL	129233-01	293 & UP	4.25
FLOWGATE	120338-01	321 & UP	4.27
STEERING	131044-01	294 & UP	4.29
DRIVE (WHEEL)	131229-01	318 & UP	4.31
SCHEMATIC	131569-01	320 & UP	4.33
SPEED CHART	127996-03		4.35

HYDRAULIC TANK ASSEMBLY
(129268-01)

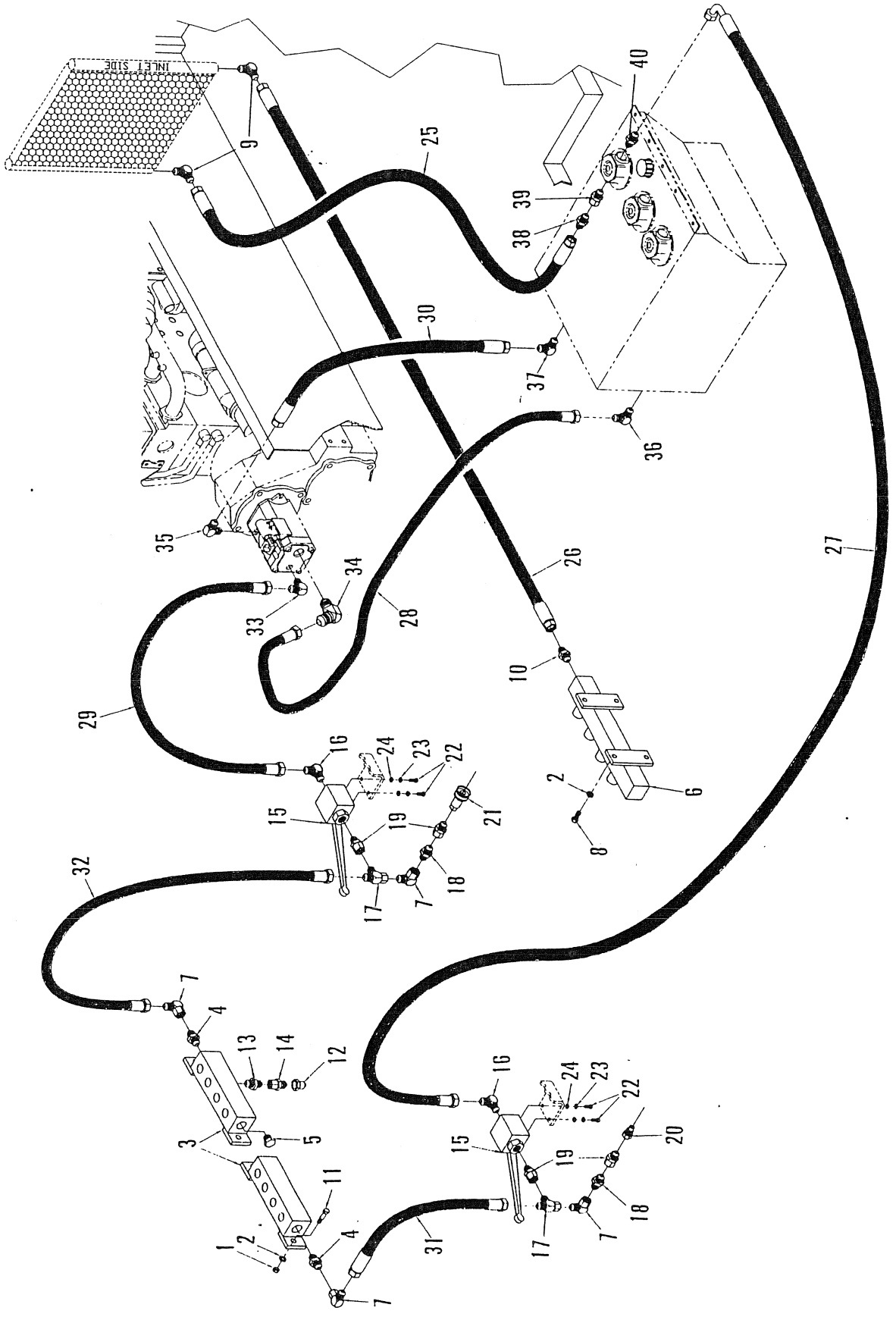


HYDRAULIC TANK ASSEMBLY
(129268-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	135221-01	HYDRAULIC TANK WELDMENT	1
2	29G40	FILTER	4
3	29637	FILTER HOUSING	1
4	89816	3/8 - 16 X 1 1/4 HEX HEAD BOLT	12
5	16W28	RETURN FILTER DIFFUSER	1
6	80591	1 1/4 NPT X CLOSE NIPPLE	1
7	99805-03	HYDRAULIC TANK LID GASKET	1
8	99804-03	HYDRAULIC TANK LID	1
9	83055	3/8 - 16 HEX NUT	30
10	83056	3/8 LOCK WASHER	42
11	83757	3/8 FLAT WASHER	30
12	92144	1 1/4 NPT STREET ELL 90	1
13	90493-04	10 - 32 X 3/4 SELF-TAPPING SCREW	REF.
14	87237-04	FILLER CAP	1
15	97412-04	GAUGE GLASS	1
16	29638	FILTER HOUSING	2
17	99802-02	HYD. TANK LID	1
18	99803-02	HYD. TANK LID GASKET	1
19	29H27	HYD. OIL FILTER	1
20	26J39	24 JIC X 1 1/2 NPT 90 ELL	1
21	85490-04	12 JIC X 3/4 NPT 90 ELL	1
22	120671	12 JIC X 20 SAE ST ADAPTER	1
23	84632-04	16 JIC X 20 SAE ST ADAPTER	1
24	28G05	24 SAE X 20 SAE ST ADAPTER	3
25	84244-04	20 JIC X 20 SAE ST ADAPTER	2
26	84654-04	16 JIC SW 90 ELL	2
27	29E60	GAUGE	2
28	29E61	GAUGE	1
29	23J52	1/8 NPT 90 ST. ELL BRASS	6
30	120672	6 JIC X 3/4 NPT 90 ELL	1
31	91663-04	8 JIC X 3/4 NPT 90 ELL	1
32	93776	1/2 NPT PLUG	2
33	83754	1/2 X 1 LG. HEX BOLT	6
34	83781-04	1/2 FLAT WASHER	12
35	83317	1/2 LOCK WASHER	6
36	83288-04	1/2 - 13 HEX NUT	6
37	85857-04	1 1/4 PIPE CAP QTY. 2	REF.
38	85942-04	1 1/4 PIPE PLUG QTY. 1	REF.
39	89013-04	STRAINER - TM50 LHA	2
40	137269-04	FILTER ELEMENT - 3 MICRON NOMINAL	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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AUXILIARY PUMP & OIL COOLER HYDRAULICS
(131469-01)

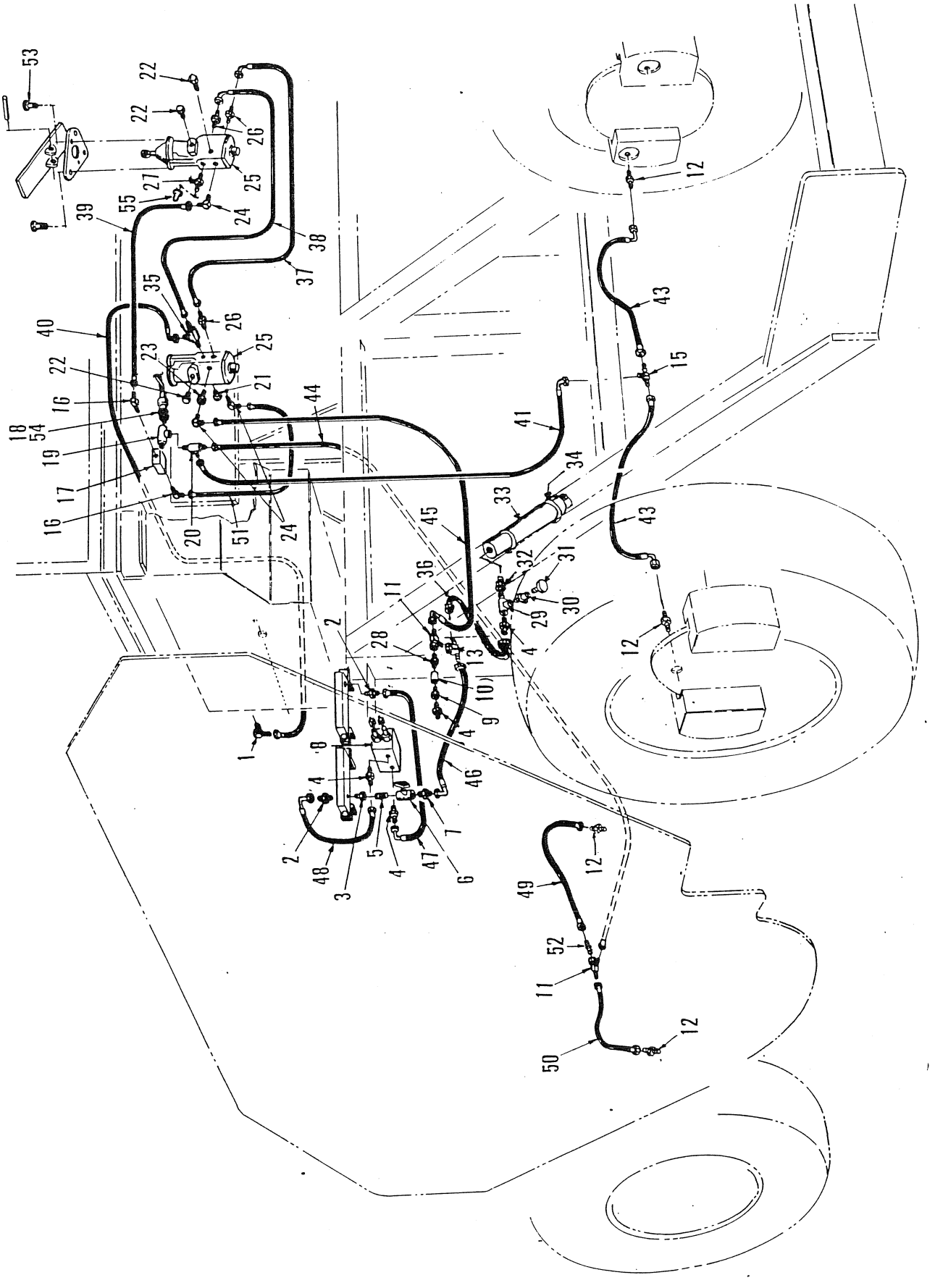


AUXILIARY PUMP AND OIL COOLER HYDRAULIC ASSEMBLY
(131469-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	83055	HEX NUT - 3/8 - 16	4
2	83056	LOCK WASHER - 3/8	8
3	96066-04	MANIFOLD BLOCK	2
4	83457-04	FITTING - 12 JIC X 12 SAE ST.	2
5	83979-04	FITTING - 12 SAE PLUG	2
6	121015-02	MANIFOLD BLOCK	1
7	83764-04	FITTING - 12 JIC SW 90	4
8	84332	HEX BOLT - 3/8 - 16 X 1	4
9	97168	FITTING - 20 JIC X 20 SAE 90	2
10	91677-04	FITTING - 20 JIC X 1 1/4 NPT ST.	1
11	86127-04	HEX BOLT - 3/8 - 16 X 3/4	4
12	85949-04	FITTING - 8 JIC TEST PORT CAP	1
13	83459-04	FITTING - 8 JIC X 8 SAE ST.	1
14	86081-04	FITTING - 8 JIC TEST PORT	1
15	131424-04	VALVE - 2 WAY (MODIFICATION)	2
16	91664-04	ELBOW - SAE #12 X #12 JIC	2
17	84402-04	FITTING - 12 JIC SW RUN TEE	2
18	83476-04	FITTING - 12 JIC BULKHEAD ST.	2
19	135449-04	ADAPTER - SAE #12 MALE X #12 JIC F.S.	4
20	135830-04	COUPLER - 3/4 QD. W/ SAE #12 TH'D.	1
21	135831-04	NIPPLE - 3/4 QD. W/ SAE #12 TH'D.	1
22	87850	HEX BOLT - 1/4 - 20 X 3/4	4
23	83065	LOCK WASHER - 1/4	4
24	84444	FLAT WASHER - 1/4	4
25	130650	HOSE #60 - 1 1/4 X 114 20 X 20 ST. 20 X 20 ST.	1
26	130651	HOSE #61 - 1 1/4 X 90 20 X 20 ST. 20 X 20 ST.	1
27	130652	HOSE #62 - 3/4 X 90 12 X 12 ST. 12 X 12 90	1
28	120114	HOSE #63 - 1 1/2 X 38 24 X 24 ST. 24 X 24 ST.	1
29	120115	HOSE #64 - 3/4 X 41 12 X 12 ST. 12 X 12 ST.	1
30	93359-04	HOSE #65 - 3/4 X 32 12 X 12 ST. 12 X 12 ST.	1
31	127058	HOSE #146 - 3/4 X 54 12 X 12 ST. 12 X 12 ST.	1
32	131416	HOSE #147 - 3/4 X 84 12 X 12 ST. 12 X 12 ST.	1
33	85875-04	FITTING - 12 JIC X 16 SAE 90	1
34	128228	FITTING - 24 JIC X 24 SAE 45	1
35	97551	FITTING - 12 JIC X 10 SAE 90	1
36	26J39	FITTING - 24 JIC X 1 1/2 NPT 90	1
37	85490-04	FITTING - 3/4 NPT X 12 JIC 90	1
38	84244-04	FITTING - 20 JIC X 20 SAE ST.	1
39	28G05	FITTING - 24 SAE X 20 SAE ST.	1
40	120671	FITTING - 12 JIC X 20 SAE ST.	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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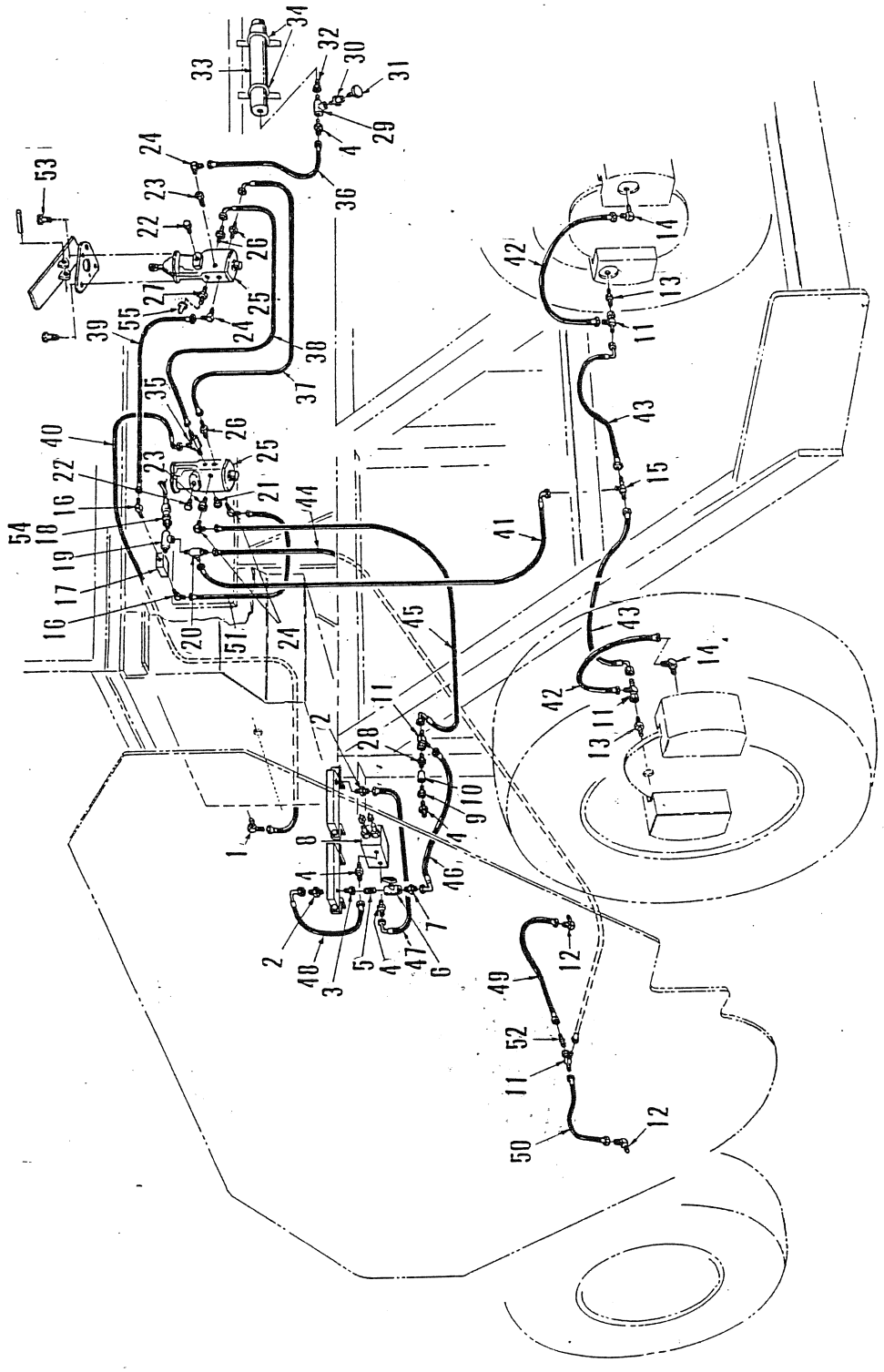
SB-2500 SHUTTLE BUGGY BRAKE CIRCUIT
(130804-01)



SB-2500 SHUTTLE BUGGY BRAKE CIRCUIT
(130804-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	89606	6 JIC X 1/2" NPT 90° ELL	1
2	83469-04	6 JIC X 8 SAE ST ADAPTOR	2
3	86136-04	8 SAE X 1/4" NPTF ADAPTOR	1
4	89613	6 JIC X 1/2" NPT ST ADAPTOR	3
5	80168-04	1/4" NPT X CLOSE	1
6	89010-04	VALVE	1
7	86170-04	6 JIC X 1/4" NPT ST ADAPTER	1
8	126763-04	PRESSURE REDUCER VALVE	1
9	85751-04	6 JIC SW X 3/8" NPT ST ADAPTOR	1
10	99452	CHECK VALVE 3/8"	1
11	84636-04	6 JIC RUN SW TEE	2
12	130259	FITTING BRAKE 1553	4
13	89598	6 JIC SW BRANCH TEE	1
14			
15	93231	6 JIC RUN BULKHEAD TEE	1
16	85462-04	6 JIC X 1/4" NPT 90° ELL	1
17	29J37	SHUTTLE VALVE	1
18	99361	PRESSURE SWITCH	1
19	120661	1/4" NPT STREET TEE	1
20	92288	6 JIC X 1/4" NPT RUN TEE	1
21	84635-04	6 SAE PLUG	1
22	89897-04	4 SAE PLUG	3
23	88579-04	4 SAE M X 6 SAE F ADAPTOR	1
24	83734-04	6 JIC X 6 SAE 90° ELL	2
25	99365	BRAKE ACCUATOR VALVE	2
26	83735-04	6 JIC X 6 SAE ST ADAPTOR	4
27	85948-04	6 SAE TEST PORT	1
28	89464-04	6 JIC X 3/8" NPT ST ADAPTOR	1
29	90627	1/2" NPT RUN TEE	1
30	89608	1/2" NPT X 1/4" NPT BUSHING	1
31	89059-04	GAUGE - 3000 PSI	1
32	90880-04	1" NPT X 1/2" NPT BUSHING	1
33	99389	BRAKE ACCUMULATOR	1
34	89096-04	U-BOLT - 5"	2
35	91665-04	6 SAE X 6 JIC RUN TEE	1
36	130820	# 1 HOSE - 3/8" X 41" 6 X 6 ST - 6 X 6 LN 90°	1
37	99681	# 2 HOSE - 3/8" X 47" 6 X 6 ST - 6 X 6 90°	1
38	99682	# 3 HOSE - 3/8" X 47" 6 X 6 ST - 6 X 6 LN 90°	1
39	99687	# 4 HOSE - 3/8" X 47" 6 X 6 ST - 6 X 6 ST	1
40	99685	# 5 HOSE - 3/8" X 67" 6 X 6 ST - 6 X 6 90°	1
41	99678	# 6 HOSE - 1/4" X 95" 6 X 4 ST - 6 X 4 90°	1
42			
43	130821	# 9-10 HOSE-3/8" X 60" 6 X 6 ST-6 X 6 SAE 90°	2
44	99675	# 11 HOSE - 1/4" X 210" 6 X 4 ST - 6 X 4 90°	1
45	120148	# 12 HOSE - 3/8" X 94" 6 X 6 ST - 6 X 6 90°	1
46	93274-04	# 13 HOSE - 3/8" X 22" 6 X 6 ST - 6 X 6 90°	1
47	93293-04	# 14 HOSE - 3/8" X 35" 6 X 6 ST - 6 X 6 90°	1
48	93275-04	# 15 HOSE - 3/8" X 20" 6 X 6 ST - 6 X 6 90°	1
49	130822	# 16 HOSE - 3/8" X 41" 6 X 6 ST - 6 X 6 SAE 90°	1
50	130823	# 17 HOSE - 3/8" X 86" 6 X 6 ST - 6 X 6 SAE 90°	1
51	120138	# 18 HOSE - 3/8" X 15" 6 X 6 ST - 6 X 6 ST	1
52	83475-04	6 JIC ST BULKHEAD	1
53	120246	8 M X 20 M COUNTERSUNK HD BOLT	4
54	86211-04	1/4 NPT X 1/8 NPT REDUCER	1
55	85949-04	TEST PORT CAP	1

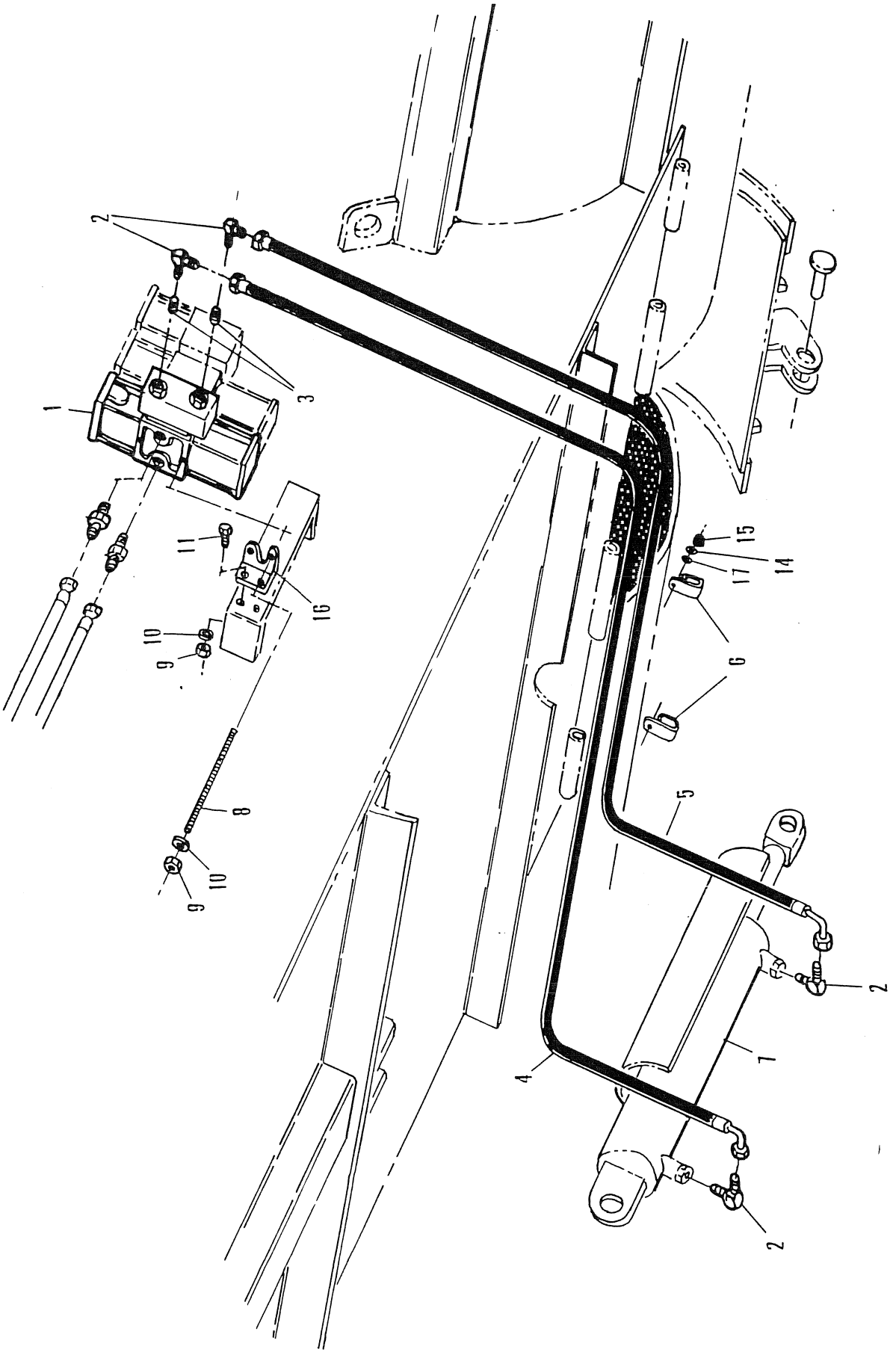
BRAKE CIRCUIT HYDRAULIC ASSEMBLY
(120330-01)



BRAKE CIRCUIT HYDRAULIC ASSEMBLY
(120330-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	89606	6 JIC X 1/2 NPT 90 ELL	1
2	83469-04	6 JIC X 8 SAE ST. ADAPTER	2
3	86136-04	8 SAE X 1/4 NPTF ADAPTER	1
4	89613	6 JIC X 1/2 NPT ST. ADAPTER	3
5	80168-04	1/4 NPT X CLOSE	1
6	89010-04	VALVE	1
7	86170-04	6 JIC X 1/4 NPT ST. ADAPTER	1
8	126763-04	PRESSURE REDUCING VALVE	1
9	85751-04	6 JIC SW X 3/8 NPT ST. ADAPTER	1
10	99452	CHECK VALVE 3/8	1
11	84636-04	6 JIC SW RUN TEE	4
12	84560-04	4 JIC X 1/8 NPT 90 ELL	2
13	99420	6 JIC X 5 SAE ST. ADAPTER	2
14	99421	6 JIC X 5 SAE 90 ELL.	2
15	93231	6 JIC RUN BULKHEAD TEE	1
16	85462-04	6 JIC X 1/4 NPT 90 ELL	2
17	29J37	SHUTTLE VALVE	1
18	99361	PRESSURE SWITCH	1
19	120661	1/4 NPT STREET TEE	1
20	92288	6 JIC X 1/4 NPT RUN TEE	1
21	84635-04	6 SAE PLUG	1
22	89897-04	4 SAE PLUG	2
23	88579-04	4 SAE M X 6 SAE F ADAPTER	2
24	83734-04	6 JIC X 6 SAE 90 ELL.	4
25	99365	BRAKE ACCUATOR VALVE	2
26	83735-04	6 JIC X 6 SAE ST. ADAPTER	3
27	85948-04	6 SAE TEST PORT	1
28	89464-04	6 JIC X 3/8 NPT ST. ADAPTER	1
29	90627	1/2 NPT RUN TEE	1
30	89608	1/2 NPT X 1/4 NPT BUSHING	1
31	89059-04	GAUGE 3000 PSI	1
32	90880-04	1 NPT X 1/2 NPT BUSHING	1
33	99389	BRAKE ACCUMULATOR	1
34	89096-04	U-BOLT 5"	2
35	91665-04	6 SAE X 6 JIC RUN TEE	1
36	120140	#1 HOSE - 3/8 X 16 6 X 6 ST. 6 X 6 90	1
37	99681	#2 HOSE - 3/8 X 47 6 X 6 ST. 6 X 6 90	1
38	99682	#3 HOSE - 3/8 X 47 6 X 6 ST. 6 X 6 LN 90	1
39	99687	#4 HOSE - 3/8 X 47 6 X 6 ST. 6 X 6 ST.	1
40	99685	#5 HOSE - 3/8 X 67 6 X 6 ST. 6 X 6 90	1
41	99678	#6 HOSE - 6 X 4 ST. 6 X 4 90	1
42	99677	#7-8 HOSE - 1/4 X 17 6 X 4 ST. 6 X 4 ST.	2
43	120147	#9-10 HOSE - 1/4 X 45 6 X 4 ST. 6 X 4 90	2
44	99675	#11 HOSE - 1/4 X 210 6 X 4 ST. 6 X 4 90	1
45	120143	#12 HOSE - 3/8 X 94 6 X 6 ST. 6 X 6 90	1
46	93274-04	#13 HOSE - 3/8 X 22 6 X 6 ST. 6 X 6 90	1
47	93293-04	#14 HOSE - 3/8 X 35 6 X 6 ST. 6 X 6 90	1
48	93275-04	#15 HOSE - 3/8 X 20 6 X 6 ST. 6 X 6 90	1
49	129391	#16 HOSE - 1/4 X 31 4 X 4 ST. 6 X 4 ST.	1
50	93380-04	#17 HOSE - 1/4 X 70 4 X 4 ST. 6 X 4 ST.	1
51	120138	#18 HOSE - 3/8 X 15 6 X 6 ST. 6 X 6 ST.	1
52	83475-04	6 JIC ST. BULKHEAD	1
53	120246	8 M X 20 M C'SUNK HD. BOLT	4
54	86211-04	1/4 NPT X 1/8 NPT REDUCER	1
55	85949-04	TEST PORT CAP	1
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C-1 CLEAN-OUT DOOR HYDRAULICS
(129219-01)

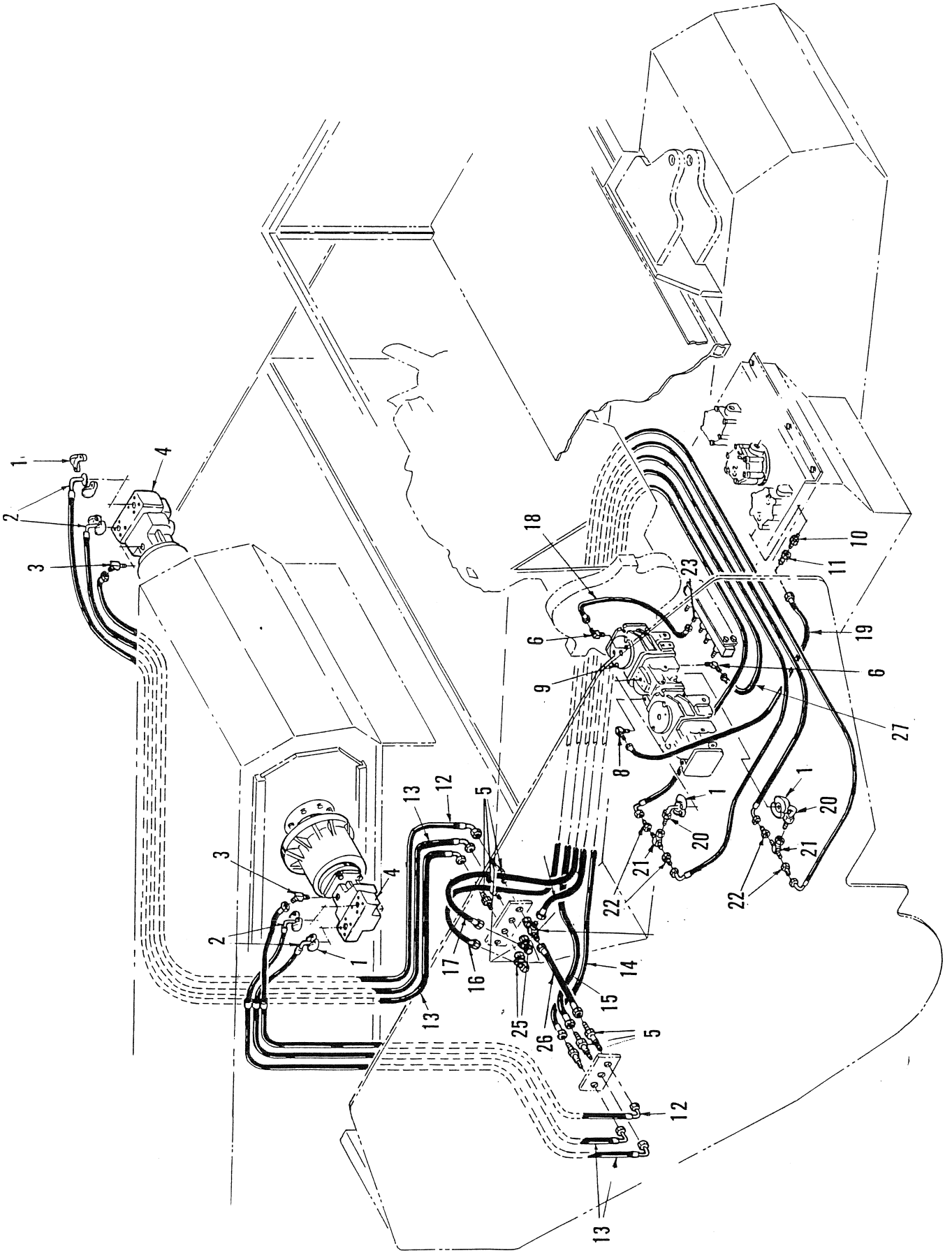


C-1 CLEAN-OUT DOOR HYDRAULICS
(129219-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97553	VALVE	1
2	84426-04	FITTING	4
3	122315-04	1/32" ORIFACE	2
4	99670	HOSE # 138 1/4 X 56" 6 X 4 ST 6 X 4 90°	1
5	93306-04	HOSE # 139 1/4 X 70" 6 X 4 ST 6 X 4 90°	1
6	16P29	CLIPS	2
7	83322-01	CYLINDER	1
8	10078	ALL-THREAD 8 1/2" LG.	3
9	83055	3/8" HEX NUT	4
10	83056	3/8" LOCKWASHER	4
11	86127-04	3/8" X 3/4" HEX HD. BOLT	4
12			
13			
14	83065	1/4" LOCKWASHER	2
15	83115	1/4" - 20 HEX NUT	2
16	86231-04	VALVE BRACKET	2
17	84444	1/4" FLAT WASHER	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

C-1 CONVEYOR DRIVE HYDRAULICS
(120743-01)

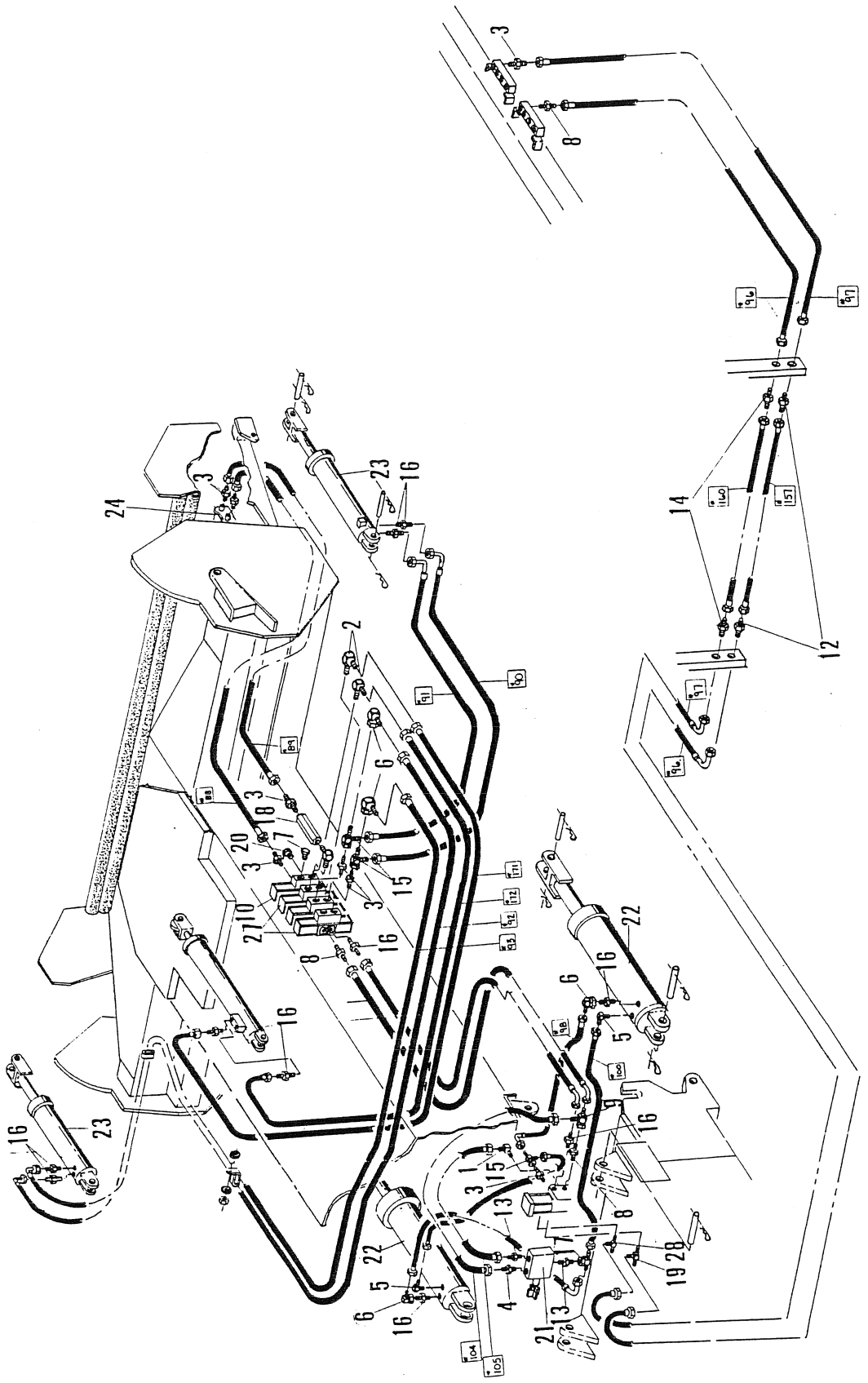


C-1 CONVEYOR DRIVE HYDRAULICS
(120743-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	90729	16 FLANGE KIT	4
2	96751	16 FLANGE X 12 JIC 45° ELL	4
3	120439	12 JIC X 10 SAE 45° ELL	2
4	91681-04	C-1 HYDRAULIC MOTOR	REF
5	83476-04	12 JIC ST BULKHEAD	6
6	120482	12 JIC X 12 SAE 45° ELL	2
7	84402-04	12 JIC SW RUN TEE	3
8	97168	20 JIC X 20 SAE 90° ELL	1
9	99184	C-1 PUMP SUNDSTRAND 90/100 (205)	1
10	38G32	24 SAE X 20 SAE ST ADAPTOR	1
11	84244-04	20 JIC X 20 SAE ST ADAPTOR	1
12	120765	HOSE # 106-107- 3/4" X 194" 12 X 12 ST 12 X 12 90°	2
13	120752	HOSE # 108-109-110-111- 3/4" X 194" 12X12 ST 12X12 90°	4
14	120753	HOSE # 79- 3/4" X 204" 12 X 12 ST 12 X 12 90°	1
15	120752	HOSE # 80- 3/4" X 194" 12 X 12 ST 12 X 12 90°	1
16	120754	HOSE # 81- 3/4" X 171" 12 X 12 ST 12 X 12 90°	1
17	120755	HOSE # 82- 3/4" X 181" 12 X 12 ST 12 X 12 90°	1
18	120756	HOSE # 83- 3/4" X 27" 12 X 12 ST 12 X 12 ST	1
19	120757	HOSE # 84- 1 1/4" X 90" 20 X 20 ST 20 X 20 90°	1
20	95981	16 FLANGE X 20 JIC 90°	2
21	99556	20 JIC SW BRANCH TEE	2
22	83958-04	20 JIC X 12 JIC REDUCER	4
23	84002-04	12 JIC X 3/4" NPT ST FITTING	1
24			
25	83764-04	12 JIC SW 90° ELL	2
26	120758	HOSE # 85 - 3/4" X 33" 12 X 12 ST 12 X 12 ST	1
27	120759	HOSE # 86 - 3/4" X 154" 12 X 12 ST 12 X 12 ST	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

C-1 LIFT,DUMP,VIB. AND BAFFLE HYDRAULIC ASSEMBLY
(134569-01)



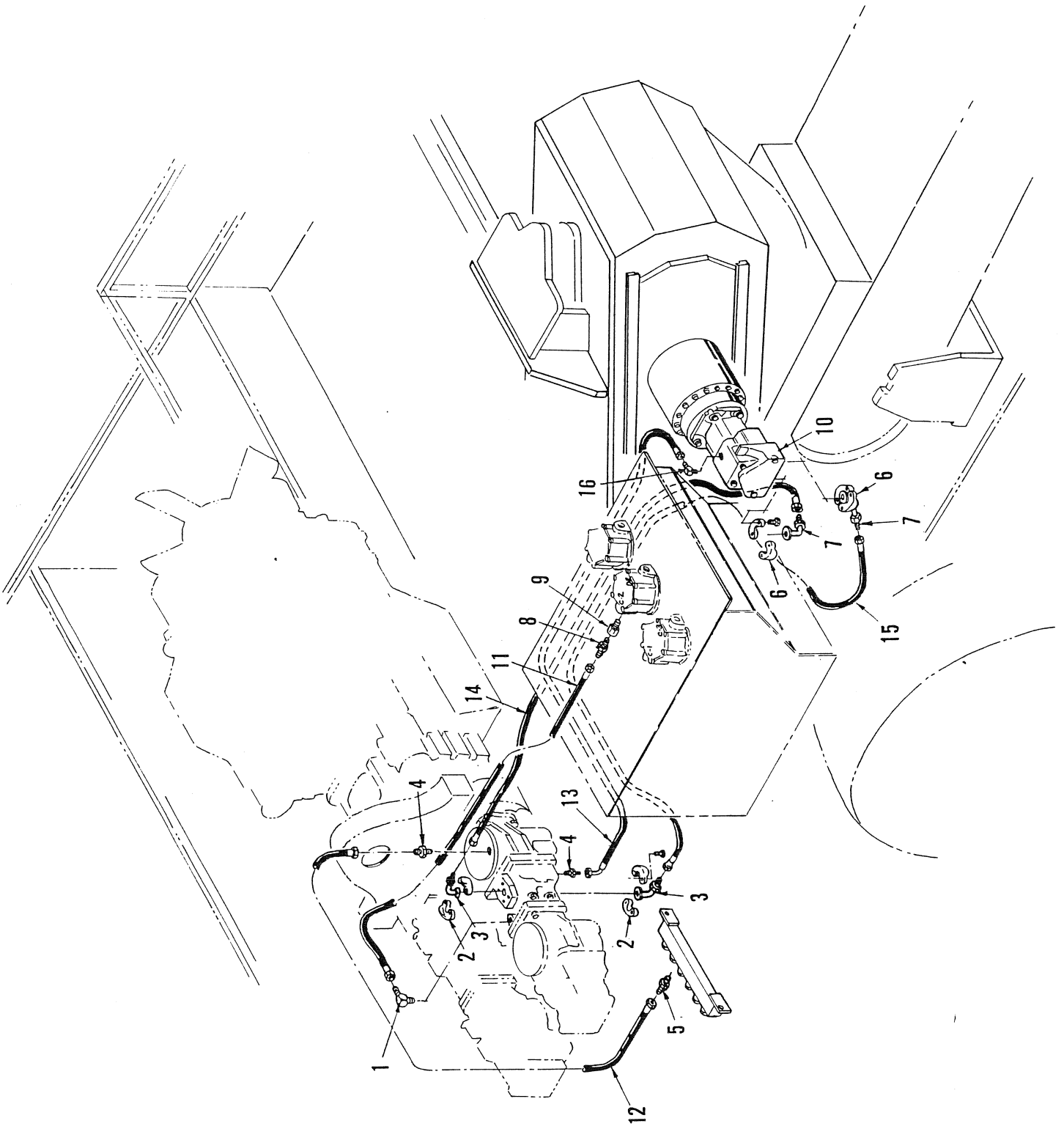
C-1 LIFT,DUMP,VIB. AND BAFFLE HYDRAULIC ASSEMBLY

(134569-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	83460-04	CONNECTOR ELBOW 90 - 8 JIC - 8 SAE	2
2	84426-04	CONNECTOR ELBOW 90 - 6 JIC - 8 SAE	4
3	83469-04	CONNECTOR ST. ADAPTER - 6 JIC - 8 SAE	7
4	83468-04	CONNECTOR ST. ADAPTER - 8 JIC - 1/2 NPT	1
5	83734-04	CONNECTOR ELBOW 90 - 6 JIC - 6 SAE	2
6	83953-04	CONNECTOR SWIVEL ELBOW 90 - 6 JIC	4
7	83767-04	PLUG - 8 SAE	1
8	83459-04	CONNECTOR ST. ADAPTER - 8 JIC - 8 SAE	3
9	84638-04	CONNECTOR SWIVEL RUN TEE - 8 JIC	1
10	96550	VALVE VIBRATOR	1
11	99491-03	VALVE - HOPPER C-1 LIFT & BAFFLE	3
12	83453-04	CONNECTOR ST. BULKHEAD - 8 JIC	2
13	89613-04	CONNECTOR ST. ADAPTER - 6 JIC - 1/2 NPT	2
14	83475-04	CONNECTOR ST. BULKHEAD - 6 JIC	2
15	84636-04	CONNECTOR SWIVEL RUN TEE - 6 JIC	3
16	83735-04	CONNECTOR ST. ADAPTER - 6 JIC - 6 SAE	11
17	89598	CONNECTOR SWIVEL BRANCH TEE - 6 JIC	1
18	131623-04	VALVE - FLOW CONTROL	1
19	83766-04	CONNECTOR - 8 JIC X 8 SAE RUN TEE	1
20	84635-04	PLUG - 6 SAE	1
21	126763-04	REDUCING VALVE	1
22	29E83	C-1 LIFT CYLINDER W/ PINS	REF.
23	83322-01	C-1 HOPPER CYLINDER W/ PINS	REF.
24	99933	VIBRATOR MOTOR (S/N 204 & UP)	REF.
25	135775-04	1/16 ORIFICE	2
26	135409-04	1/32 ORIFICE	2
27	97553	VALVE - SOLENOID W/ DUAL PILOT CHECKS	2
28	91665-04	CONNECTOR - 6 JIC X 6 SAE RUN TEE	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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C-2 CONVEYOR DRIVE HYDRAULICS
(120333-01)



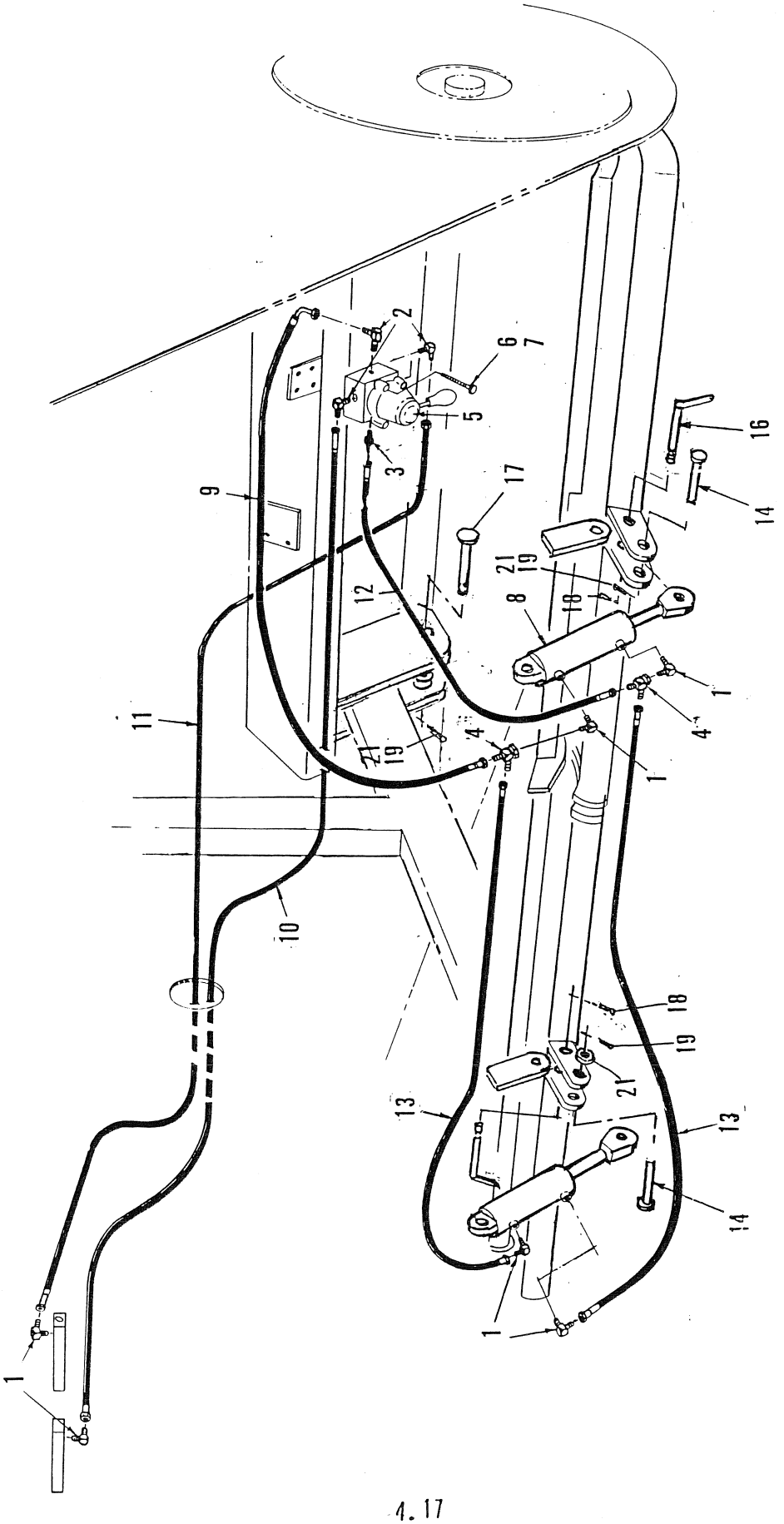
C-2 CONVEYOR DRIVE HYDRAULIC ASSEMBLY
(120333-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97168	20 JIC X 20 SAE 90 ELBOW	1**
2	90729	16 FLANGE KIT CODE 62	2**
3	95981	16 FLANGE X 20 JIC 90	2**
4	83457-04	12 JIC X 12 SAE STRAIGHT ADAPTER	3**
5	84002-04	12 JIC X 3/4" NPT STRAIGHT FITTING	1
6	96765	20 FLANGE KIT CODE 62	2
7	99945	20 JIC X 20 FLANGE 45	2
8	84244-04	20 JIC X 20 SAE STRAIGHT FITTING	1***
9	28G05	20 SAE X 24 SAE BUSHING	1***
10	99889	HYDRAULIC MOTOR	1
11	129392	HOSE #66 - 1-1/4" X 39" LG. 20 X 20 ST 20 X 20 90	1*
12	120119	HOSE #67 - 3/4" X 35" LG. 12 X 12 ST 12 X 12 ST	1*
13	120120	HOSE #68 - 3/4" X 76" LG. 12 X 12 ST 12 X 12 90	1*
14	120121	HOSE #69 - 1-1/4" X 76" LG. 20 X 20 ST 20 X 20 ST	1*
15	129393	HOSE #70 - 1-1/4" X 68" LG. 20 X 20 ST 20 X 20 ST	1*
16	85875-04	12 JIC X 16 SAE 90 ELBOW	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

* REF. HOSE KIT
**REF. ENGINE ASSEMBLY
***REF. HYDRAULIC TANK ASSEMBLY

C-2 HOPPER CLEAN-OUT DOOR HYDRAULICS
(121730-01)



C-2 HOPPER CLEAN-OUT DOOR HYDRAULIC ASSEMBLY
(121730-01)

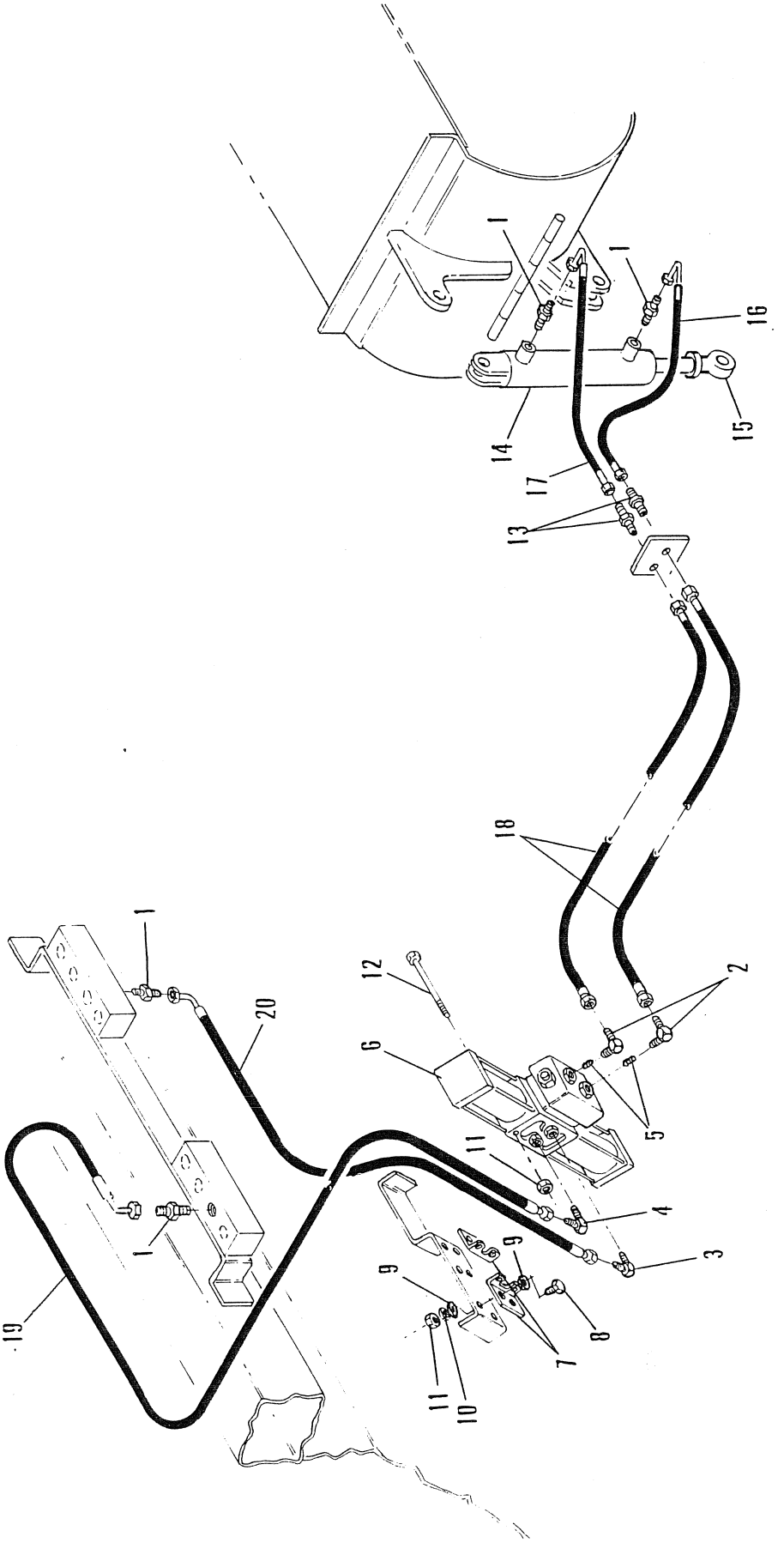
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	84426-04	FITTING - 6 JIC X 8 SAE 90 ELL.	6
2	85466-04	FITTING - 6 JIC X 3/8 NPT 90 ELL.	3
3	89464-04	FITTING - 6 JIC X 3/8 NPT ST.	1
4	84636-04	FITTING - 6 JIC SW RUN TEE	2
5	134239-04	VALVE	1
6	89297-04	BOLT - 5/16 X 1 HEX HD.	4
7	87328-04	5/16 LOCK WASHER	4
8	83326-01	HYDRAULIC CYLINDER W/ PINS (C-2 DOOR)	2
9	99682	HOSE #48 - 3/8 X 47 6 X 6 ST. 6 X 6 LN 90	1
10	120125	HOSE #49 - 3/8 X 124 6 X 6 ST. 6 X 6 ST.	1
11	120126	HOSE #50 - 3/8 X 114 6 X 6 ST. 6 X 6 ST.	1
12	99720	HOSE #51 - 3/8 X 50 6 X 6 ST. 6 X 6 ST.	1
13	97800	HOSE #52-53 - 3/8 X 60 6 X 6 ST. 6 X 6 ST.	2
14	129587-04	PIN	2
15			
16	121690-03	SAFETY BAR PIN	2
17	129586-04	PIN	2
18	89034-04	CLIP	2
19	93915	PIN-COTTER 5/32 X 2 LG.	2
20	93914	PIN-COTTER 5/32 X 1 3/4 LG.	2
21	84119-04	FLAT WASHER - 1"	4
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ROADTEC SB-2500 S/N

PN# 120489 ASSY 121730-01 REV.D 5/14/98

C-3 CLEANOUT DOOR HYDRAULICS
(128973-01)

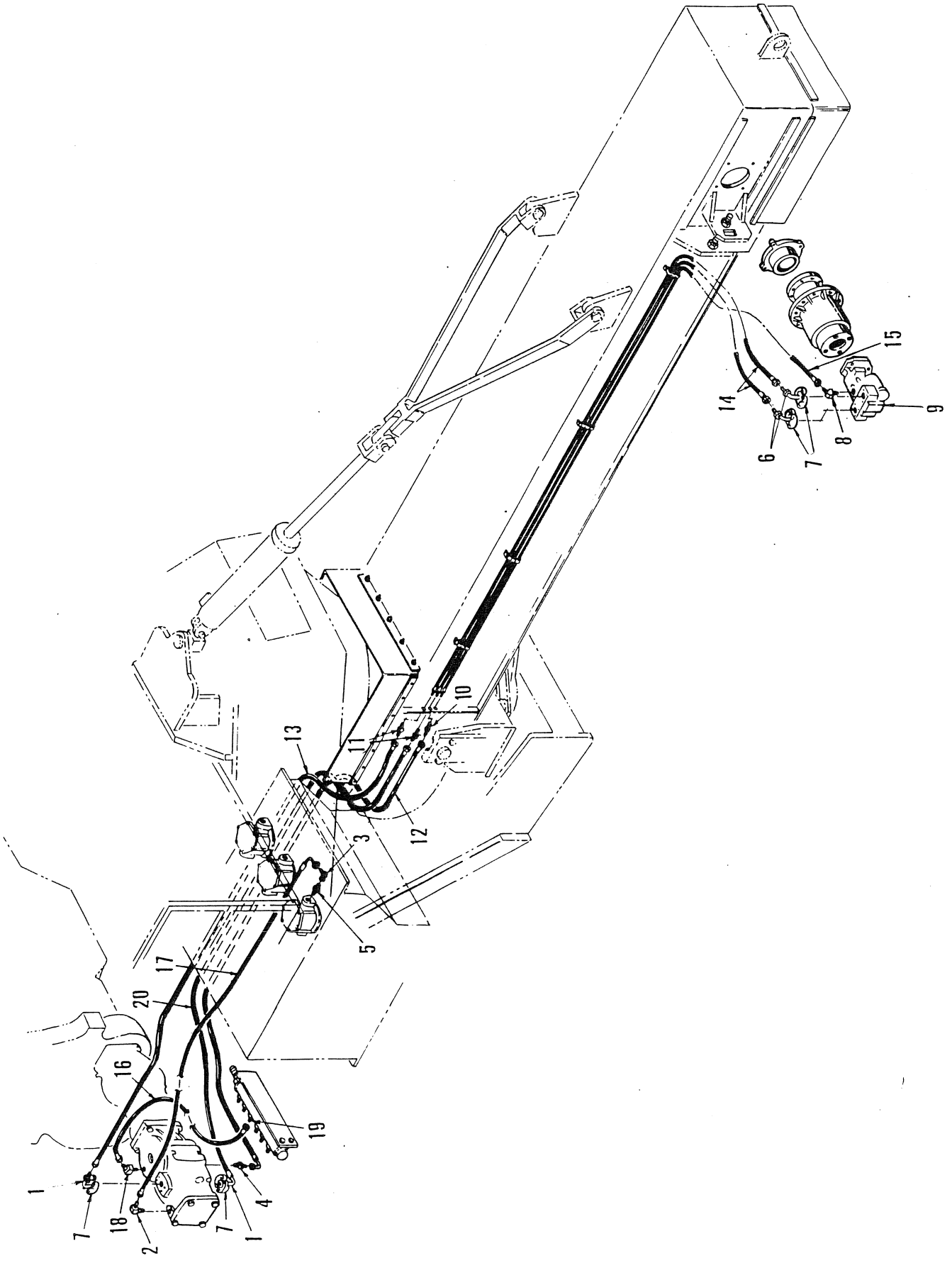


C-3 CLEAN OUT DOOR HYDRAULIC ASSEMBLY
(128973-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	83469-04	FITTING - 8 SAE X 6 JIC ST.	4
2	84426-04	FITTING - 8 SAE X 6 JIC 90	2
3	83734-04	FITTING - 6 JIC X 6 SAE 90	1
4	83460-04	FITTING - 8 SAE X 8 JIC 90	1
5	135942-04	1/64 ORIFICE	2
6	97553	SOLENOID VALVE	1
7	86231-04	BRACKET	2
8	89816	BOLT - 3/8 X 1 1/4 HEX HD.	4
9	83757	3/8 FLAT WASHER	8
10	83056	3/8 LOCK WASHER	4
11	83055	3/8 NUT	6
12	121200	BOLT - 3/8 X 3 HEX HD.	2
13	83475-04	FITTING - 6 JIC BULKHEAD	2
14	84473-02	CYLINDER	1
15	83439-04	ROD END	1
16	128974	HOSE #132 - 1/4 X 52 LG. 6 X 4 ST. 6 X 4 90	1
17	122295	HOSE #133 - 1/4 X 48 LG. 6 X 4 ST. 6 X 4 90	1
18	120967	HOSE #134/135 - 1/4 X 120 LG. 6 X 4 ST. 6 X 4 ST.	2
19	128975	HOSE #136 - 3/8 X 42 LG. 6 X 8 ST. 6 X 6 90	1
20	99684	HOSE #137 - 3/8 X 42 LG. 6 X 6 ST. 6 X 6 90	1
21			
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SB-2500 SHUTTLE BUGGY 288" LG C-3 CONVEYOR HYDRAULICS (127791-01)



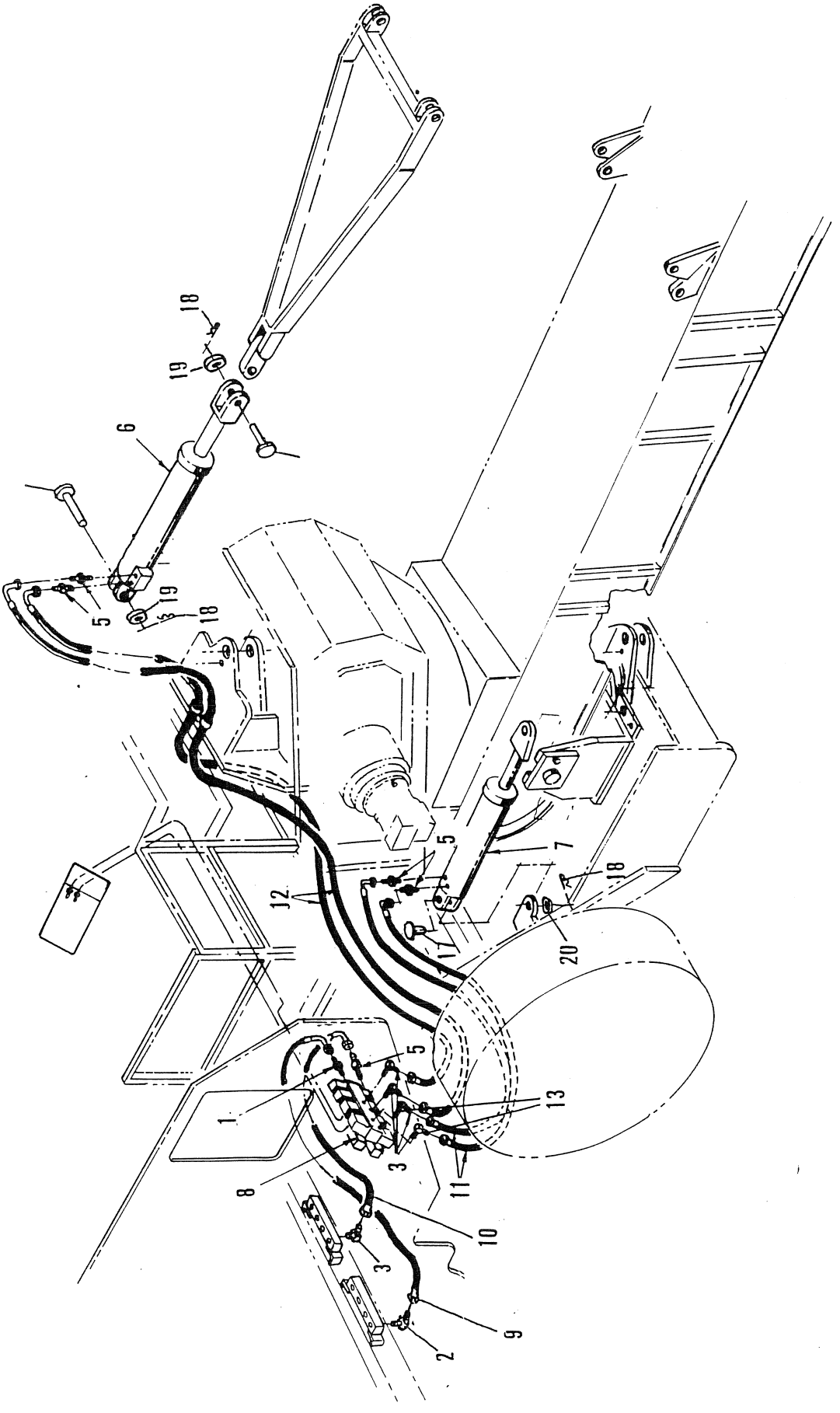
288" LG. C-3 CONVEYOR HYDRAULIC ASSEMBLY
(127791-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	95981	16 FLANGE X 20 JIC 90 ELBOW	2**
2	91660	16 JIC X 16 SAE 90 ELBOW	1**
3	84654-04	16 JIC SWIVEL 90 ELBOW	1***
4	83457-04	12 JIC X 12 SAE STRAIGHT ADAPTER	1**
5	84632-04	16 JIC X 20 SAE STRAIGHT FITTING	1***
6	99534	16 FLANGE X 20 JIC 45	2
7	90729	16 FLANGE KIT CODE 62	4**
8	120439	10 SAE X 12 JIC 45	1
9	91681-04	HYDRAULIC MOTOR	1
10	83476-04	12 JIC BULKHEAD STRAIGHT	1
11	83733-04	20 JIC BULKHEAD STRAIGHT	2
12	120128	HOSE #71 - 3/4" X 118" LG. 12 X 12 ST 12 X 12 ST	1*
13	120129	HOSE #72 - 1-1/4" X 118" LG. 20 X 20 ST 20 X 20 ST	1*
14			
15	127787	HOSE #115 - 116 - 1-1/4" X 274" LG. 20 X 20 ST 20 X	2*
16	127788	HOSE #117 - 3/4" X 274" LG. 12 X 12 ST 12 X 12 ST	1*
17	120132	HOSE #77 - 3/4" X 27" LG. 12 X 12 ST 12 X 12 ST	1*
18	120751	HOSE #78 - 1" X 56" LG. 16 X 16 ST 16 X 16 90	1*
19	120482	12 JIC X 12 SAE 45 ELBOW	1**
20	84002-04	12 JIC X 3/4" NPT STRAIGHT ADAPTER	1
21	129401	HOSE #73 - 1-1/4" X 110" LG. 20 X 20 ST 20 X 20 ST	1*

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

* REF. HOSE KIT
** REF. ENGINE ASSEMBLY
*** REF. HYDRAULIC TANK ASSEMBLY

C-3 LIFT + SWING HYDRAULICS
(120336-01)

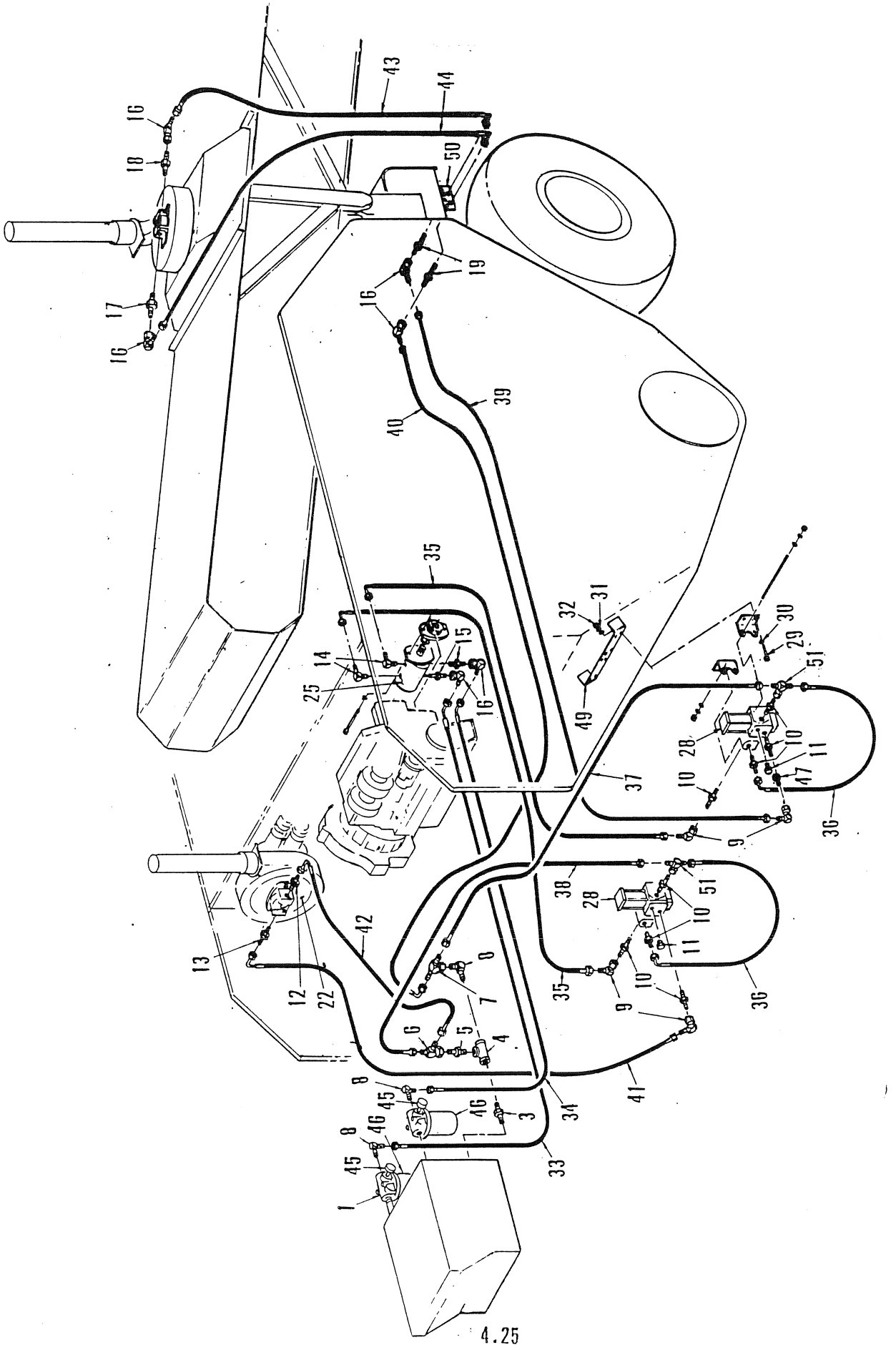


C-3 SWING & LIFT HYDRAULICS
(120336-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	83459-04	8 JIC X 8 SAE ST FITTING	1
2	83460-04	8 JIC X 8 SAE 90° ELL	1
3	84426-04	6 JIC X 8 SAE 90° ELL	5
4	96494	1/4" X 1" STUD BOLT	1
5	83735-04	6 JIC X 6 SAE ST FITTING	5
6	92784-01	HYDRAULIC CYLINDER W/PINS (LIFT)	1
7	92841	HYDRAULIC CYLINDER (SWING)	1
8	99491-03	VALVE STACK 12 V. (SWING & LIFT)	2
9	120122	# 23 HOSE 1/2" X 30" 8 X 8 ST 8 X 8 90°	1
10	93274-04	# 24 HOSE 3/8" X 22" 6 X 6 ST 6 X 6 90°	1
11	99631	# 25-26 HOSE 1/4" X 108" 6 X 4 ST 6 X 4 90°	2
12	99632	# 27-28 HOSE 1/4" X 150" 6 X 4 ST 6 X 4 90°	2
13	120660	ORIFICE 1/8" NPT PLUG W/ 1/16" HOLE	2
14	20K35	# 4 HOSE CLAMP	2
15	89772	1/4" - 20 HEX NUT	1
16	83065	1/4" LOCKWASHER	1
17	129578-04	CYLINDER PIN	1
18	70741	COTTER PIN 5/32 X 3 LG.	3
19	86510-04	1 1/4 FLAT WASHER	2
20	83032	1 1/2 FLAT WASHER	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

SB-2500 EMISSIONS CONTROL HYDRAULIC ASSEMBLY
(129233-01)

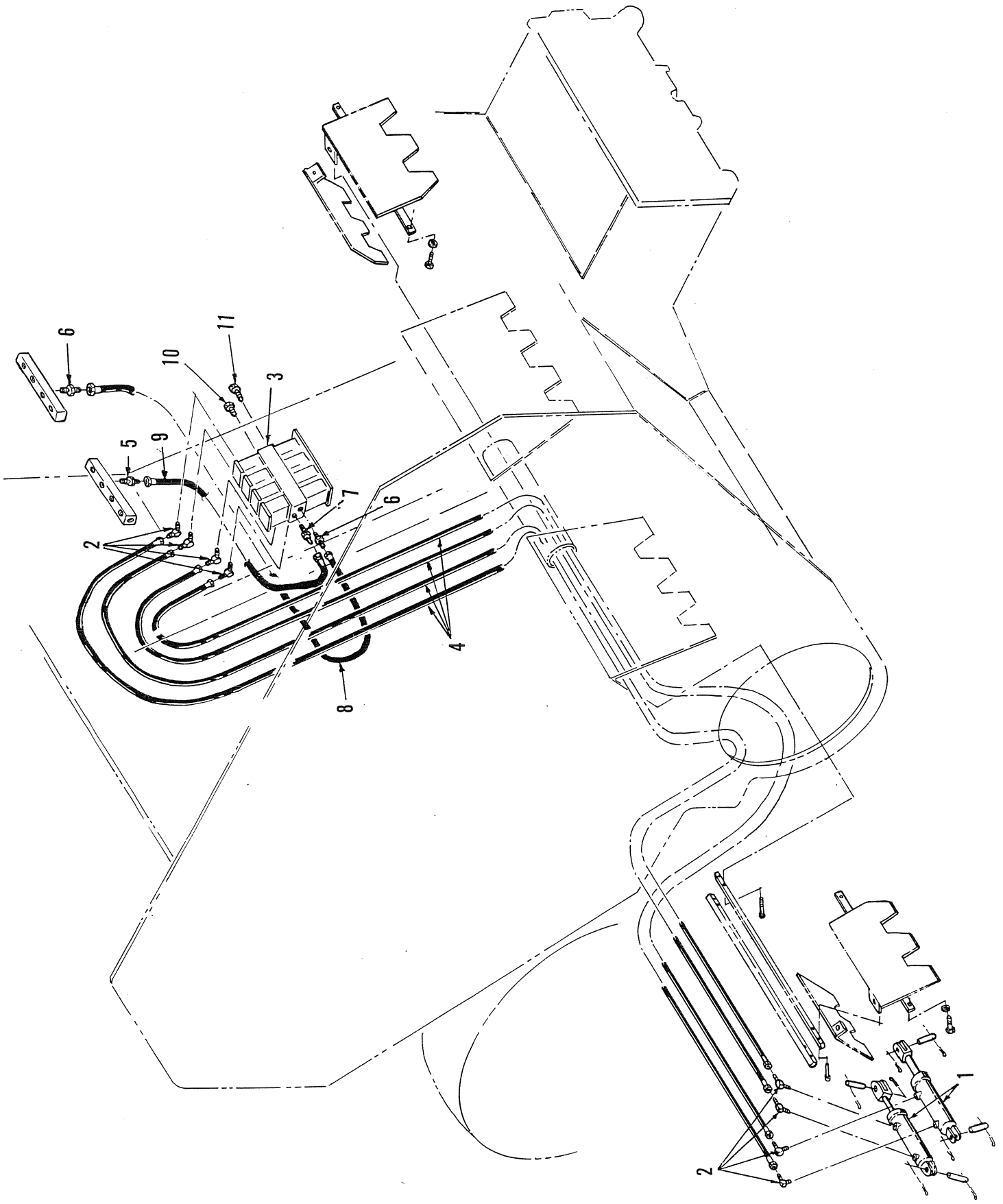


SB-2500 FUME CONTROL HYDRAULIC ASSEMBLY
(129233-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	129509	FILTER HEAD AND ELEMENT	2
2			
3	80591	1 1/4 X CLOSE NPT NIPPLE	REF
4	89813-04	1 1/4 NPT TEE	1
5	89804-04	12 JIC X 1 1/4 NPT ST ADAPTER	1
6	84402-04	12 JIC SW RUN TEE	1
7	90939-04	16 JIC SW BRANCH TEE	1
8	93712	16 JIC X 1 1/4 NPT 90° ELBOW	3
9	83764-04	12 JIC SW 90° ELBOW	4
10	83458-04	12 JIC X 8 SAE ST ADAPTER	8
11	83767-04	8 SAE PLUG	2
12	120671	12 JIC X 20 SAE ST. ADAPTER	1
13	83457-04	12 JIC X 12 SAE ST ADAPTER	1
14	91664	12 JIC X 12 SAE 90° ELBOW	REF
15	89610	16 JIC X 16 SAE ST. ADAPTER	REF
16	84654-04	16 JIC SW 90° ELBOW	6
17	84632-04	16 JIC X 20 SAE ST ADAPTER	1
18	89697	16 JIC X 12 SAE ST ADAPTER	1
19	89G04	16 JIC ST BULKHEAD	2
20			
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25	128970-03	PUMP TANDEM CASAPPA PLP 30.22	REF
26			
27			
28	124215	SOLENOID VALVE WITH RELEIF 12V	2
29	96476	3/8" X 1 1/4" LG. HEX HEAD BOLT	4
30	83757	3/8 FLAT WASHERS	8
31	83056	3/8 LOCK WASHER	4
32	83055	3/8 HEX NUT	4
33	99697	HOSE #118 1" X 90" LG. 16 X 16 ST - 16 X 16 90°	1
34	129063	HOSE #119 - 1" X 77" LG. 16 X 16 ST - 16 X 16 90°	1
35	123923	HOSE #120 & 121 3/4"X 61" LG.12 X 12 ST -12 X 12 90°	2
36	125464	HOSE #122&123 3/4 X 22" LG. 12 X 12 ST 12 X 12 90°	2
37	120128	HOSE #124 3/4" X 118" LG. 12 X 12 ST - 12 X 12 ST	1
38	123573	HOSE #125 3/4" X 106" LG. 12 X 12 ST - 12 X 12 90°	1
39	129065	HOSE #126 1" X 179" 16 X 16 ST - 16 X 16 90°	1
40	129066	HOSE #127 1" X 182" LG. 16 X 16 ST - 16 X 16 90°	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
41	129067	HOSE #128 3/4 X 132" LG. 12 X 12 ST - 12 X 12 90°	1
42	93413	HOSE #129 3/4" X 50" LG. 12 X 12 ST - 12 X 12 90°	1
43	129068	HOSE #130 1" X 125" LG. 16 X 16 ST - 16 X 16 90°	1
44	129069	HOSE #131 1" X 120" LG. 16 X 16 ST - 16 X 16 90°	1
45	33091	FILTER GAUGE	REF
46			
47	96597	12 FM X 16M REDUCER	4
48			
49	129076-03	RELIEF VALVE PLATE	REF
50	129098-03	BULKHEAD BRACKET	REF
51	89898-04	12 JIC SW BRANCH TEE	2
52	89691	16 JIC SW 45° ELBOW	2
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54			

FLOW GATE HYDRAULICS
(120338-01)



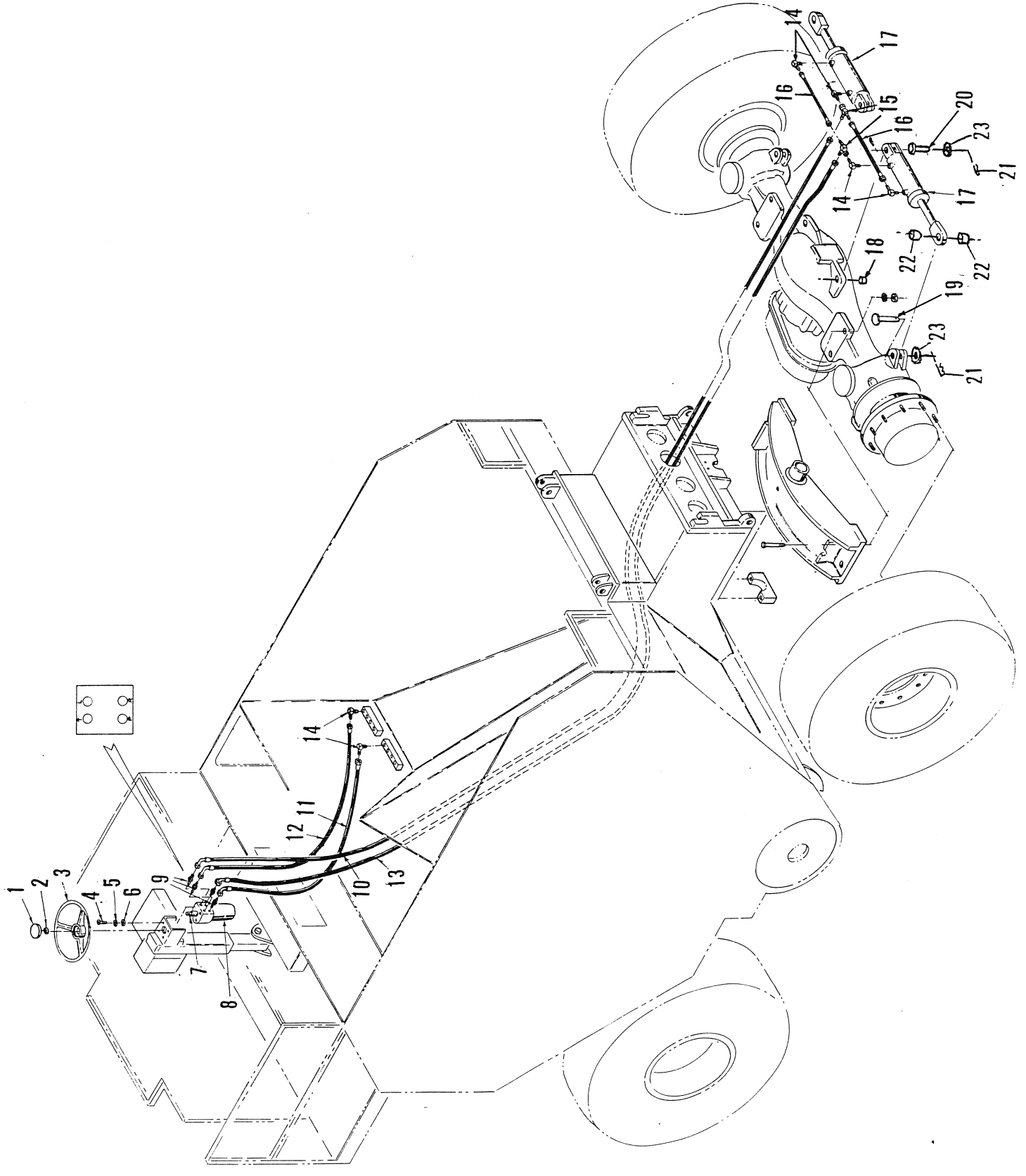
FLOWGATE HYDRAULICS
(120338-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	121045-03	HYDRAULIC CYLINDER	2
2	83734-04	6 JIC X 8 SAE 90° ELL	9
3	127232	VALVE STACK (4) 12 V. W / THERMAL RELIEF	2
4	99721	# 19-20-21-22 HOSE 1/4" X 174" 6 X 4 ST 6 X 4 ST	4
5	83459-04	8 JIC X 8 SAE ST	1
6	83460-04	8 JIC X 8 SAE 90° ELL	1
7	83735-04	6 JIC X 6 SAE ST	1
8	120127	# 23 HOSE 1/2" X 31" 8 X 8 ST 8 X 8 90°	1
9	93274-04	# 24 HOSE 3/8" X 22" 6 X 6 ST 6 X 6 90°	1
10	84635-04	6 SAE PLUG	1
11	83767-04	8 SAE PLUG	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

4.28

STEERING HYDRAULIC ASSEMBLY
(131044-01)



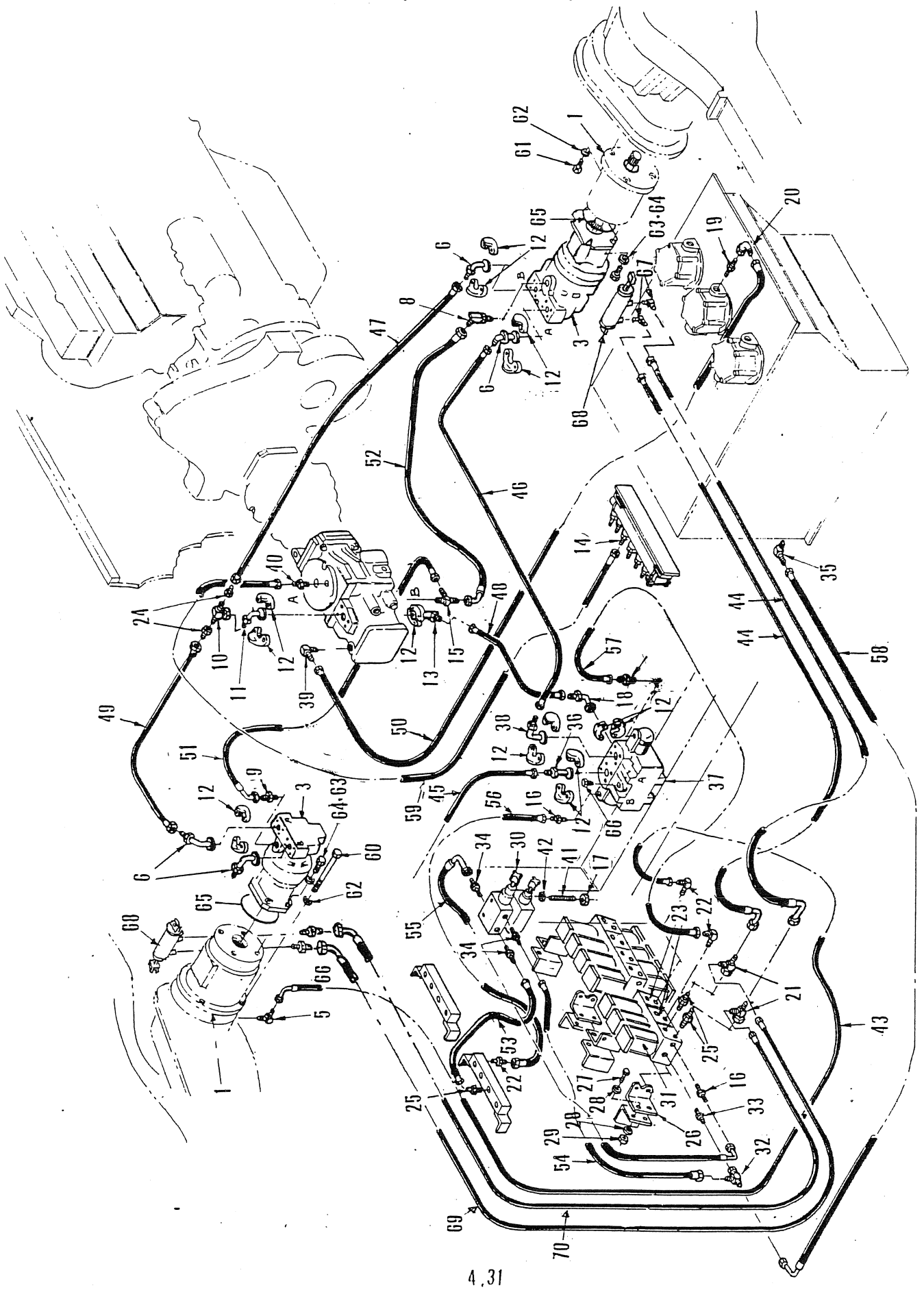
STEERING HYDRAULIC ASSEMBLY
(131044-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	03915	STEERING WHEEL CAP	1
2	89045	STEERING WHEEL NUT	1
3	03913	STEERING WHEEL	1
4	83924	3/8 - 16 UNC X 1-1/2" LG. HEX HEAD BOLT	4
5	83056	3/8" LOCK WASHER	4
6	83757	3/8" FLAT WASHER	4
7	80375-04	STEERING COLUMN	1
8	89048-04	STEERING VALVE	1
9	83469-04	6 JIC X 8 SAE STRAIGHT	4
10	99705	HOSE #54 - 3/8" X 295" LG. 6 X 6 ST 6 X 6 LN 90	1*
11	99706	HOSE #55 - 3/8" X 150" LG. 6 X 6 ST 6 X 6 LN 90	1*
12	99707	HOSE #56 - 3/8" X 150" LG. 6 X 6 ST 6 X 6 90	1*
13	99708	HOSE #57 - 3/8" X 295" LG. 6 X 6 ST 6 X 6 90	1*
14	84426-04	6 JIC X 8 SAE 90	6
15	84636-04	6 JIC SWIVEL RUN TEE	2
16	129834	HOSE #58 - 59 - 3/8" X 40" LG. 6 X 6 ST 6 X 6 ST	2*
17	130710-03	HYDRAULIC CYLINDER (STEERING)	2
18	89028-04-C2	BUSHING	2
19	130685-04	STEERING CYLINDER PINS	REF.
20	120919-04	STEERING CYLINDER PINS	REF.
21	93917	1/4" X 2" LG. COTTER PIN	4
22	122043-04	SPACER - CYLINDER CLEVIS	4
23	83032	1-1/2" FLAT WASHER	4

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D

* REF. HOSE KIT

DRIVE HYDRAULIC ASSEMBLY
(131229-01)

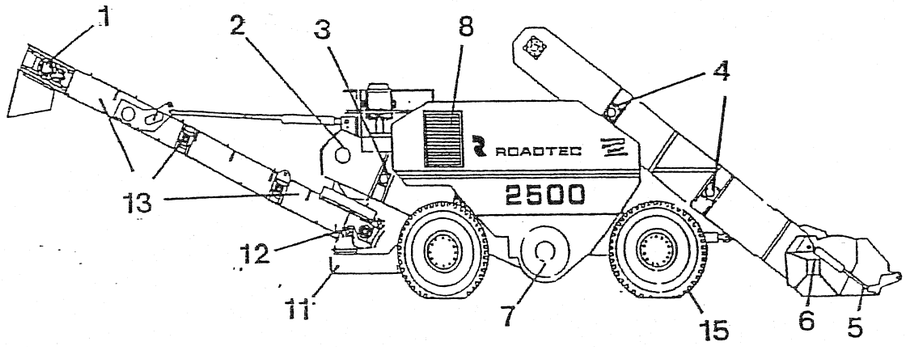


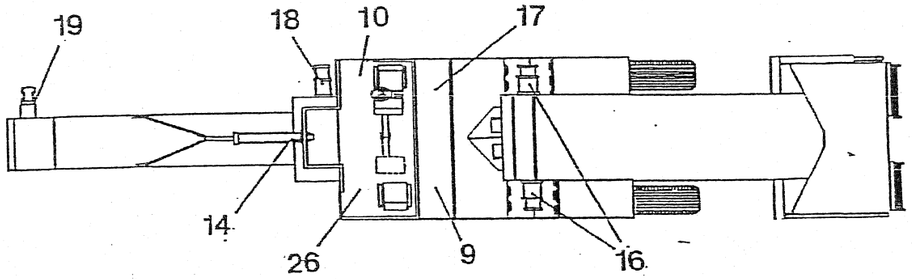
DRIVE HYDRAULIC ASSEMBLY
(131229-01)

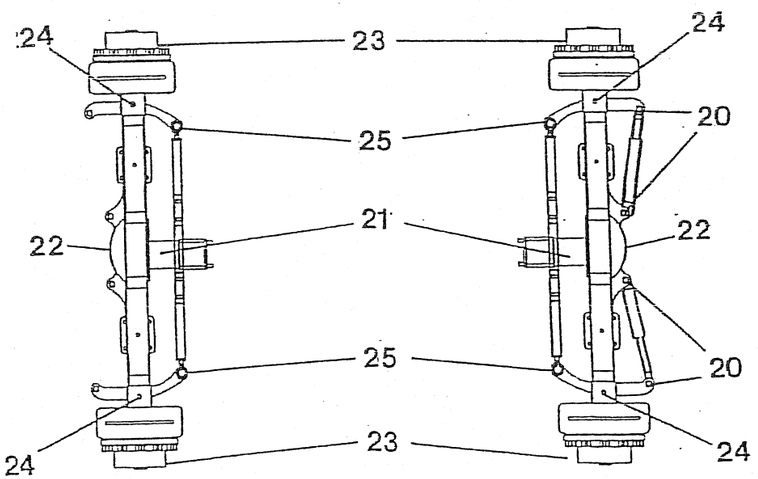
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	130086	AUSCO PARKING BRAKE	2
2			
3	91681-04	DRIVE MOTOR	2
4	85462-04	FITTING - 6 JIC X 1/4 NPT 90	4
5	93743-04	FITTING - 4 JIC X 4 SAE 90	1
6	96751	FITTING - 12 JIC X 16 FLANGE 45	4
7			
8	120439	FITTING - 12 JIC X 10 SAE 45	1
9	83705-04	FITTING - 12 JIC X 10 SAE ST.	1
10	99556	FITTING - 20 JIC SW BRANCH TEE	1
11	95981	FITTING - 16 FLANGE X 20 JIC 90	1
12	90729	16 FLANGE KIT	9
13	99534	FITTING - 16 FLANGE X 20 JIC 45	1
14	84002-04	FITTING - 12 JIC X 3/4 NPT ST.	1
15	85303-04	FITTING - 12 JIC X 12 SAE RUN TEE	1
16	83735-04	FITTING - 6 JIC X 6 SAE ST.	3
17	83115	HEX NUT - 1/4 - 20 UNC GD. 8	2
18	95981	FITTING - 16 FLANGE X 20 JIC 90	1
19	84632-04	FITTING - 16 JIC X 20 JIC ST.	1
20	84654-04	FITTING - 16 JIC SW 90	1
21	84636-04	FITTING - 6 JIC SW RUN TEE	2
22	84426-04	FITTING - 6 JIC X 8 SAE 90	3
23	83767-04	FITTING - 8 SAE PLUG	2
24	83958-04	FITTING - 12 JIC X 2 JIC ST.	2
25	83469-04	FITTING - 6 JIC X 8 SAE ST.	3
26	86231-04	VALVE STACK KIT	4
27	84332	HEX BOLT - 3/8 - 16 UNC X 1 LG. GD. 8	6
28	83056	LOCK WASHER - 3/8	6
29	83055	HEX NUT - 3/8 - 16 UNC X 1 LG. GD.8	6
30	126763-04	REDUCING VALVE	1
31	99409	VALVE STACK 12 VOLT	3
32	84638-04	FITTING - 8 JIC SW RUN TEE	1
33	83459-04	FITTING - 8 JIC X 8 SAE ST.	1
34	89613	FITTING - 6 JIC X 1/2 NPT ST.	3
35	89463-04	FITTING - 8 JIC X 1/2 NPT 90	1
36	97568	FITTING - 12 JIC X 16 FLANGE ST.	1
37	98877	DIFFERENTIAL LOCK VALVE	1
38	83868-04	FITTING - 12 JIC X 16 FLANGE 90	1
39	91660	FITTING - 16 JIC X 16 SAE 90	1
40	83457-04	FITTING - 12 JIC X 12 SAE ST.	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	10078	ALLTHREAD - 1/4 - 20 UNC X 4 1/2	2
42	83065	LOCK WASHER - 1/4	2
43	99645	HOSE - 1/4 X 200 6 X 4 ST. 6 X 4 ST. #31	1
44	99664	HOSE - 1/4 X 87 6 X 4 ST. 6 X 4 90 #32,33	2
45	99649	HOSE - 3/4 X 174 12 X 12 ST. 12 X 12 ST. #34	1
46	99650	HOSE - 3/4 X 48 12 X 12 ST. 12 X 12 ST. #35	1
47	99651	HOSE - 3/4 X 105 12 X 12 ST. 12 X 12 ST. #36	1
48	99653	HOSE - 1 1/4 X 44 20 X 20 ST. 20 X 20 ST. #37	1
49	129394	HOSE - 3/4 X 160 12 X 12 ST. 12 X 12 90 #38	1
50	99679	HOSE - 1 X 64 16 X 16 ST. 16 X 16 ST. #39	1
51	129368	HOSE - 3/4 X 148 12 X 12 ST. 12 X 12 45 #40	1
52	99716	HOSE - 3/4 X 86 12 X 12 ST. 12 X 12 45 #41	1
53	99641	HOSE - 3/8 X 33 6 X 6 ST. 6 X 6 90 #42	1
54	120744	HOSE - 3/8 X 19 6 X 6 ST. 6 X 6 ST. #43	1
55	120745	HOSE - 3/8 X 28 6 X 6 ST. 6 X 6 90 #44	1
56	99720	HOSE - 3/8 X 50 6 X 6 ST. 6 X 6 ST. #45	1
57	123658	HOSE - 3/8 X 59 6 X 6 ST. 6 X 6 ST. #46	1
58	120747	HOSE - 1/2 X 105 8 X 8 ST. 8 X 8 90 #47	1
59	120756	HOSE - 3/4 X 27 12 X 12 ST. 12 X 12 ST. #112	1
60	92252	HEX BOLT - 3/4 - 10 UNC X 7 LG. GD. 8	4
61	OO891	HEX BOLT - 3/4 - 10 UNC X 1 3/4 LG. GD. 8	4
62	83752-04	LOCK WASHER - 3/4	8
63	93144	HEX BOLT - 1/2 - 13 UNC X 1 1/2 LG. GD. 8	8
64	O57O7	CONICAL WASHER - HS12 DIN 6796	8
65	97489	O-RING	2
66	128646	FITTING - 6 JIC X 1/8 NPT ST.	2
67	128645	FITTING - 6 JIC X 1/8 NPT 90	2
68	130419	CYLINDER - SHIFT	2
69	134035	HOSE - 1/4 X 104 4 X 6 ST. 4 X 6 45 #29	1
70	134036	HOSE - 1/4 X 104 4 X 6 ST. 4 X 6 45 #30	1
71			
72			
73			
74			

SB 2500 - LUBRICATION CHART







120317-01-A

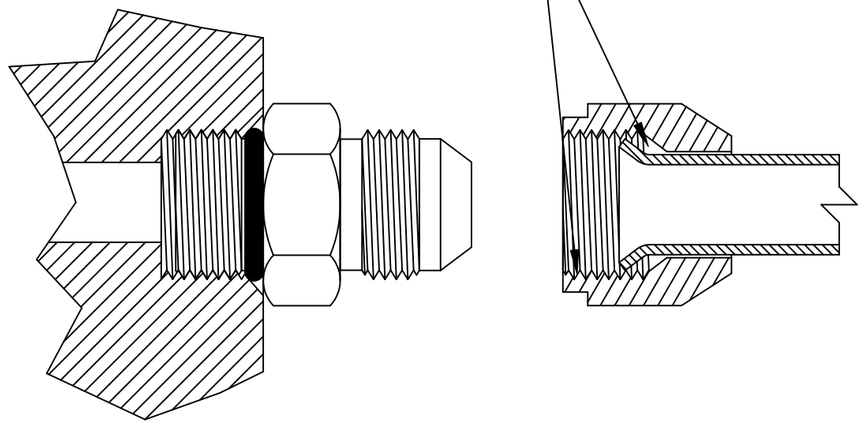
INTERVAL HOURS	REF. NO.	IDENTIFICATION	NO. OF POINTS	LUBE TYPE	QTY	REMARKS
DAILY	1	C-3 HEADSHAFT	1	HTG	FLUSH	GREASE WHILE HOT
	2	C-2 HEADSHAFT	1	HTG	FLUSH	GREASE WHILE HOT
	3	C-2 IDLERS	4	HTG	5 SHOTS	GREASE WHILE HOT
	4	C-1 IDLERS	4	HTG	5 SHOTS	GREASE WHILE HOT
	5	C-1 TRUCK DUMP VIBRATOR	2	HTG	3 SHOTS	GREASE WHILE HOT
	6	C-1 TAILSHAFT	4	HTG	FLUSH	GREASE WHILE HOT
	7	C-2 TAILSHAFT	4	HTG	FLUSH	GREASE WHILE HOT
	8	RADIATOR	1	50/50 ANTI-FREEZE		CHECK LEVEL
	9	ENGINE CRANKCSE COMPONENTS	1			REFER TO ENGINE MANUAL
	10	HYDRAULIC TANK	1	HO		CHECK LEVEL
	11	C-3 PIVOT	4	HTG	5 SHOTS	GREASE
	12	C-3 TAILSHAFT	2	HTG	FLUSH	GREASE WHILE HOT
	13	C-3 IDLERS	6	HTG	5 SHOTS	GREASE WHILE HOT
50 HOURS	9	ENGINE AIR CLEANER	1			CHECK, CLEAN OR REPLACE AS REQ'D
	10	HYDRAULIC FILTERS	5		6	REPLACE FILTERS FIRST 50 HOURS THEN EVERY 250 HOURS - 2 ELEMENTS PER CANNISTER
	14	C-3 LIFT PIVOT	2	HTG	3 SHOTS	GREASE
	15	TIRES	4		75PSI	CHECK
	16	C-1 PLANETARY	2	EP-90		CHECK LEVEL
	17	PUMP DRIVE GEARBOX	1	EP-90		CHECK LEVEL
	18	C-2 PLANETARY DRIVE	1	EP-90		CHECK LEVEL
	19	C-3 PLANETARY DRIVE	1	EP-90		CHECK LEVEL
	20	FRONT AXLE STEERING CYLINDER	4	HTG	3 SHOTS	GREASE
	21	FRONT & REAR AXLE 2 SPEED	2	EP-90		CHECK LEVEL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	MIL-L 2105C	85W140	CHECK LEVEL
	23	FRONT & REAR AXLE WHEEL HUB	4	MIL-L 2105C	85W140	CHECK LEVEL
	24	FRONT & REAR AXLE KINGPIN	8	NLGI-1	2 SHOTS	GREASE
	25	FRONT & REAR AXLE TIE ROD	4	HTG	2 SHOTS	GREASE

INTERVAL HOURS	REF. NO.	IDENTIFICATION	NO. OF POINTS	LUBE TYPE	QTY	REMARKS
250 HOURS	10	HYDRAULIC TANK	1	HO		DRAIN ACCUMULATED WATER & REFILL
	10	HYDRAULIC FILTERS	5	HO	8	2 FILTERS PER CANNISTER
	10	HYDRAULIC TANK BREATHER FILTER				CHECK, REPLACE IF REQUIRED
	15	C-1 PLANETARY DRIVE	2	EP-90		DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	17	PUMP DRIVE GEARBOX	1	EP-90		DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	18	C-2 PLANETARY DRIVE	2	EP-90		DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	19	C-3 PLANETARY DRIVE	1	EP-90		DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	21	FRONT & REAR AXLE 2-SPEED	2	EP-90		DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	22	FRONT & REAR AXLE DIFFERENTIAL	2	MIL-L 2105C	85W140	DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	23	FRONT & REAR AXLE WHEEL HUB	4	MIL-L 2105C	85W140	DRAIN - FLUSH - REFILL FIRST 250 HOURS 1000 HR THEREAFTER
	26	FUEL TANK	1			DRAIN ACCUMULATED WATER & REFILL
1000 HOURS	8	RADIATOR	1	50/50 ANTI-FREEZE		DRAIN - FLUSH - REFILL
	10	HYDRAULIC TANK	1	HO	106 GAL. APPROX.	DRAIN - FLUSH - CHANGE CLEAN / REPLACE STRAINER - REPLACE ALL FILTERS & BREATHERS
	16	C-1 PLANETARY DRIVE	2	EP-90		DRAIN - FLUSH - REFILL
	17	PUMP DRIVE DRIVE GEARBOX	1	EP-90		DRAIN - FLUSH - REFILL
	18	C-2 PLANETARY DRIVE	1	EP-90		DRAIN - FLUSH - REFILL
	19	C-3 PLANETARY DRIVE	1	EP-90		DRAIN - FLUSH - REFILL
	21	FRONT & REAR AXLE 2-SPEED	2	EP-90		DRAIN - FLUSH - REFILL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	MIL-L 2105C	85W140	DRAIN - FLUSH - REFILL
	23	FRONT & REAR AXLE WHEEL HUB	4	MIL-L 2105C	85W140	DRAIN - FLUSH - REFILL

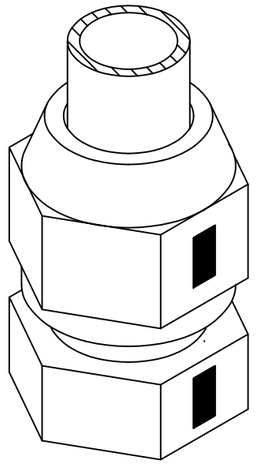
EO -ENGINE OIL - SAE 15W40 - VALVOLINE PREMIUM BLUE, ALL- FLEET PLUS OR EQUIVALENT
HTG -HIGH TEMPERATURE GREASE - NLGI GRADE 2 - VALVOLINE CERULEAN, PALLADIUM OR EQUIVALENT
HO -HYDRAULIC OIL - ISO VIS. GRADE 46 - VALVOLINE ANTI-WEAR HYDRAULIC OIL OR EQUIVALENT
GO -GEAR OIL - SAE 80W90 - VALVOLINE HIGH PERFORMANCE GEAR OIL OR EQUIVALENT

Valvoline.

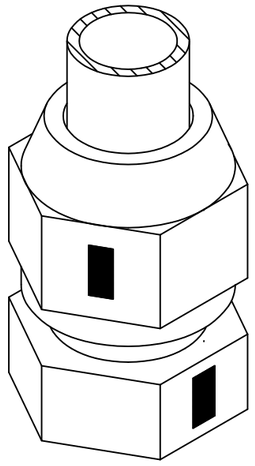
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



EXAMPLE - #8 JIC HOSE END



SNUG JOINT WITH FLATS MARKED



TIGHT JOINT WITH 1 FLAT FROM FINGER TIGHT

JIC FITTING INSTALLATION

USING FLATS FROM FINGER TIGHT (F.F.F.T.) METHOD

1) LUBRICATE THE THREADS AND BACKSIDE OF JIC FLARE IN FEMALE SWIVEL NUT. USE PENETRATING OIL, WD-40, OR EQUIVALENT.

2) ASSEMBLE NUT TO MALE JIC FITTING. HAND TIGHTEN TO SNUG CONNECTION. ANGULAR FEMALE SURFACE MUST BE SEATED OR IN LIGHT CONTACT W/MALE 37° SURFACE. ON LARGE FITTINGS, IT MAY BE NECESSARY TO USE A WRENCH TO PULL NUT AND SEATS INTO THIS INITIAL REFERENCE POSITION.

3) MAKE A MARK ON ONE FLAT OF NUT HEX AND CONTINUE IT ONTO THE BODY HEX. (WITH EXPERIENCE, IT MAY NOT BE NECESSARY TO MARK THE FITTINGS. RATHER, VISUAL ALIGN THE FLATS AND TIGHTEN AS PER STEP 5.)

4) WHEN NECESSARY, USE A SECOND WRENCH TO PREVENT UNWANTED ROTATION OF FITTING BODY, HOSE CONNECTOR STEM, ETC.

5) TIGHTEN THE JOINT BY THE NUMBER OF FLATS SHOWN IN THE TABLE BELOW.

SAE DASH SIZE	ASSEMBLY TORQUE (FT LB)	TUBE CONNECTION F.F.F.T.	SWIVEL NUT OR HOSE END F.F.F.T.
-4	12	2	2
-6	21	1-1/2	1-1/4
-8	45	1-1/2	1
-10	60	1-1/2	1
-12	85	1-1/4	1
-16	120	1	1
-20	170	1	1
-24	200	1	1
-32	270	1	1

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: INSTRUCTIONS - JIC FITTING ASSEMBLY

REQ'D PER | SHEET NO: 1 of 1 | FAB CODE | EFFECTIVE S/N: 000

DRAWN BY: DLS | CHECKED BY | DWG NO: 134914-02 | REV.: 0

SCALE: NONE | DATE: 5/19/97

3/4 Q.D. MALE DISCONNECT
BULKHEAD PLATE
RETURN
3/4 Q.D. FEMALE DISCONNECT
PRESSURE
3/4" 2-WAY BALL VALVES
2 SPD. ACTUATOR
2 SPD. ACTUATOR
REAR DRIVE
BRAKE
FRONT DRIVE
BRAKE
180 PSI FULL RELEASE
A B
PILOT 350 PSI
DIFF LOCK
DRAIN
P
PLUG
PLUG
P
T
TWO SPEED SOLENOID VALVE
DIFF. LOCK SOLENOID VALVE
PARKING BRAKE SOLENOID VALVE
EXTRACTION PUMP
PRESSURE REDUCING VALVE SET 350 PSI
MOUNT ON FRONT OF MACHINE
PRESSURE
TRANSMISSION PUMP PRESSURE 6,090 PSI CHARGE 350 PSI
PRESS LINE IN FORWARD.
EDC
TRANS
C1
C-1 PUMP PRESSURE 6,090 PSI CHARGE 350 PSI
REAR EXTRACTION BLOWER
P
SOLENOID VALVE
T
AUXILIARY PUMP PRESSURE 2,500 PSI
C-2 PUMP PRESSURE 6,090 PSI CHARGE 350 PSI
C2
C-3 PUMP PRESSURE 6,090 PSI CHARGE 350 PSI
C3
FRONT EXTRACTION BLOWER
P
SOLENOID VALVE
T
RETURN
AA 906 7137W
MOUNT ON REAR OF MACHINE
COOLER
10 MIC.
10 MIC.
10 MIC.
10 MIC.
10 MIC.
1/2 NPT
3/4 NPT
BRAKE RETURN KEEP SEPARATE
HYDRAULIC TANK
C3 MOTOR
C2 MOTOR
C1 MOTOR
C1 MOTOR
FRONT FLOW GATE SOLENOID VALVE
REAR FLOW GATE SOLENOID VALVE
C3 RAISE/LOWER SOLENOID VALVE
C3 SWING SOLENOID VALVE
P
T
FRONT FLOW GATE CYLINDER
REAR FLOW GATE CYLINDER
C3 RAISE/LOWER CYLINDER
C3 SWING CYLINDER
FRONT SERVICE BRAKE
REAR SERVICE BRAKE
ACCUMULATOR
GAUGE 0-3000
BRAKE PEDAL
BRAKE PEDAL
PRESSURE REDUCING VALVE SET AT 1,200 PSI
CHECK
ACCUMULATOR DISCHARGE VALVE
RETURN
STEERING UNIT
P
T
L
R
C2 CLEAN-OUT CYLINDERS
B
A
P
VIBRATION MOTOR SOLENOID VALVE
FLOW CONTROL
VIBRATION MOTOR
C-1 HOPPER SOLENOID VALVE
C-1 HOPPER DUMP CYLINDER
C-1 CLEANOUT SOLENOID VALVE
C-1 CLEANOUT CYLINDER
T
C-1 RAISE/LOWER SOLENOID VALVE
P
T
PRESSURE REDUCING VALVE SET AT 750 PSI
C-1 RAISE / LOWER CYLINDER
EXCHANGE TO NEW SECTION (97553)
FIT SPECIAL PLUG TO ELIMINATE OVER CENTRE CARTRIDGE SUN 234841 XEOAXXN STD SET 0 PSI
OPTIONAL ROAD WIDENER/WINDROW PICKUP
GRESEN MAO6EVNC 12 VDC (124125)
STEERING CYLINDER

EFFECTIVE SN 320
REPLACES DWG 131356-01
E.C. 802

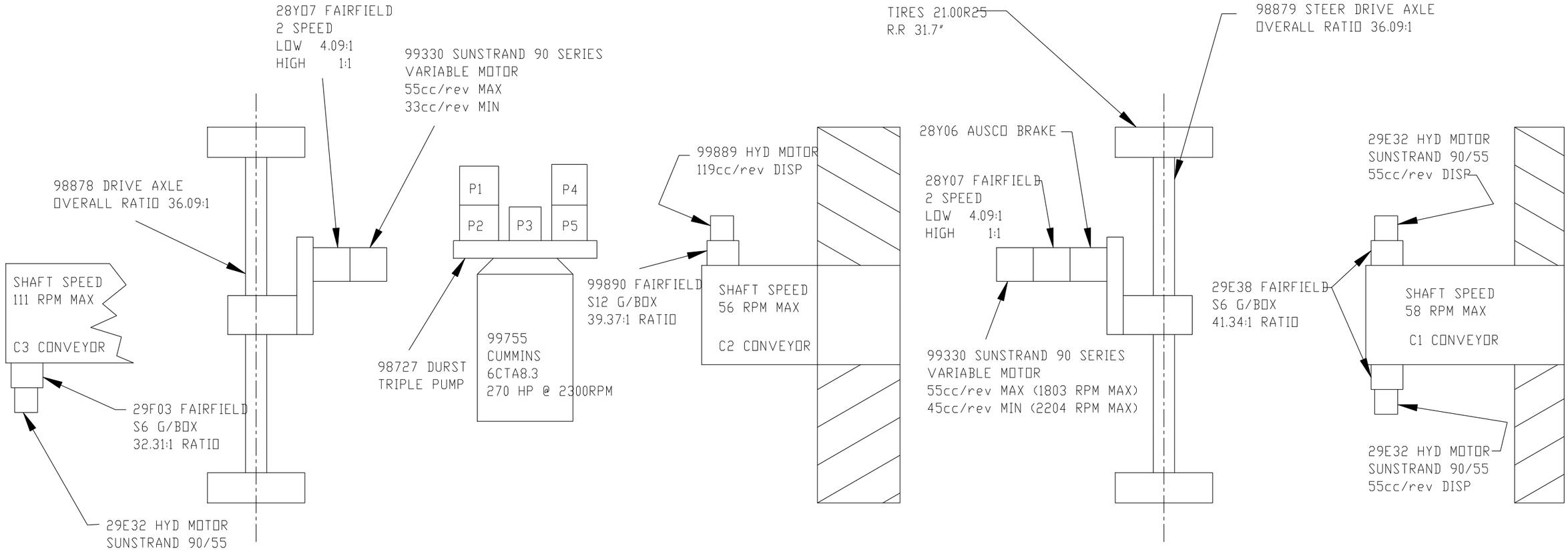
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

DRAWN BY	SHEET NO	NEXT ASSY
JEK	1 of 1	SB-2500
CHECKED BY: CMOORE		
SCALE: 3/4=1	DATE: 8/8/96	DWG NO: 131569-01 REV: 0



PUMP	PART No	DESCRIPTION	TYPE
P1	29J94	C3 CONVEYOR	SUNSTRAND 90/75
P2	99814	C2 CONVEYOR	SUNSTRAND 90/100
P3	123041-04	AUXILLIARY	REXROTH A10V045
P4	29J94	TRANSMISSION	SUNSTRAND 90/75
P5	99814	C1 CONVEYOR	SUNSTRAND 90/100

TRAVEL SPEED		
	G/BOX LOW (4.09:1)	G/BOX HIGH (1:1)
MOTOR MAX	202 FT/MIN (2.3 MPH)	829 FT/MIN (9.4 MPH)
MOTOR MIN	246 FT/MIN (2.8 MPH)	1012 FT/MIN (11.5 MPH)

all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SB2500 SPEED CHART (HIGH FLOATION TIRES)

N/A REQ'D PER SB-2500

SHEET NO	FAB CODE	EFFECTIVE S/N
1 of 1	N/A	000

DRAWN BY	CHECKED BY	DWG NO	REV.
CJM		127996-03	0

SCALE	DATE
NTS	05/25/95

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:_____
DATE PURCHASED:_____
ENGINE MAKE:_____
ENGINE MODEL:_____

CHANGES

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

NOTES

_____

_____

_____

_____

_____

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FOR INFORMATION AND/OR ASSISTANCE:

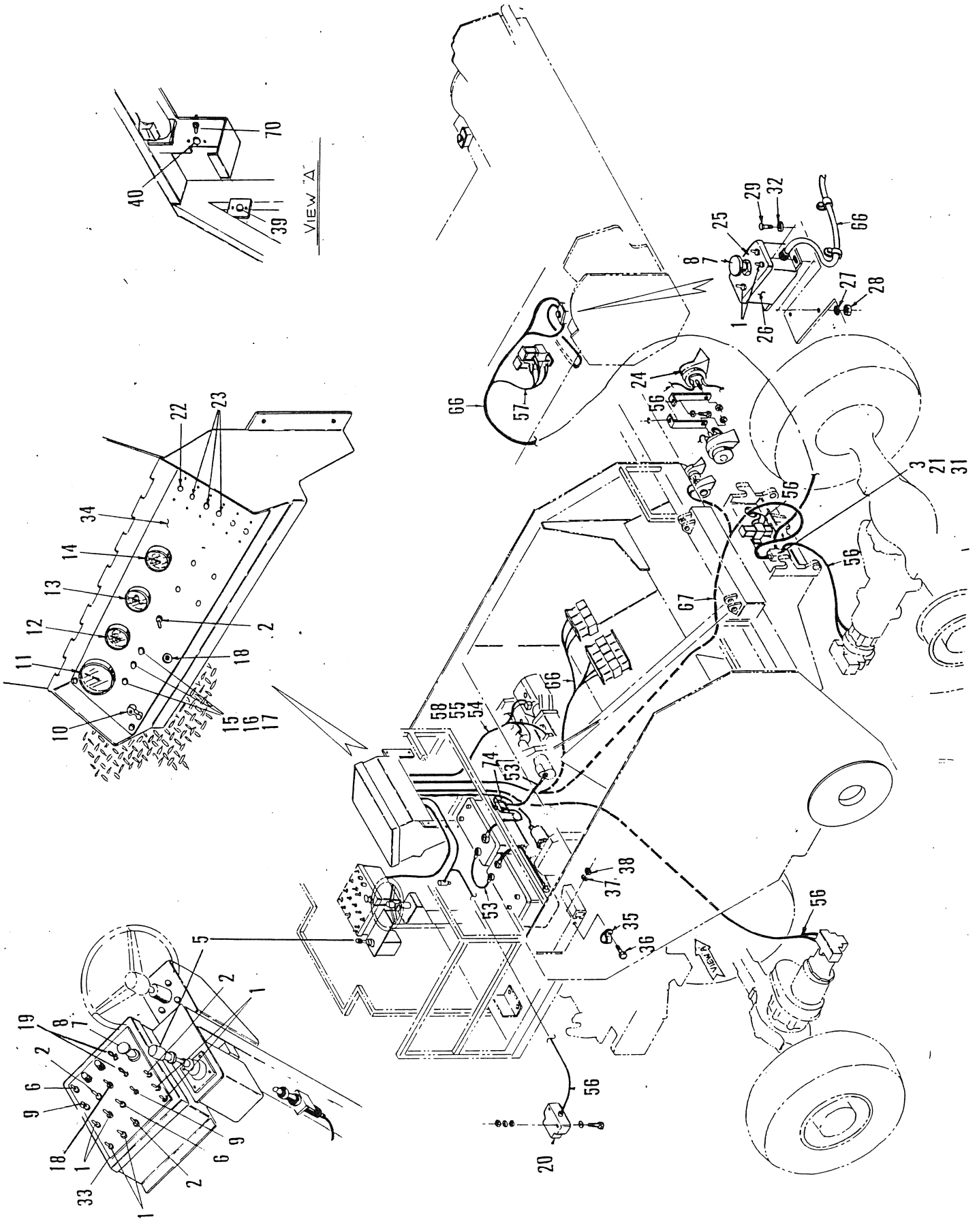
ROADTEC, INC.
800 MANUFACTURERS ROAD
PO BOX 180515
CHATTANOOGA, TN 37405-7515

PHONE: 423-265-0600 OR
1-800-272-7100
FAX: 423-267-7104

SECTION 5: ELECTRICAL ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL WIRING	135812-01	348 & UP	5.1
SCHEMATIC	129420-01	293 & UP	5.3

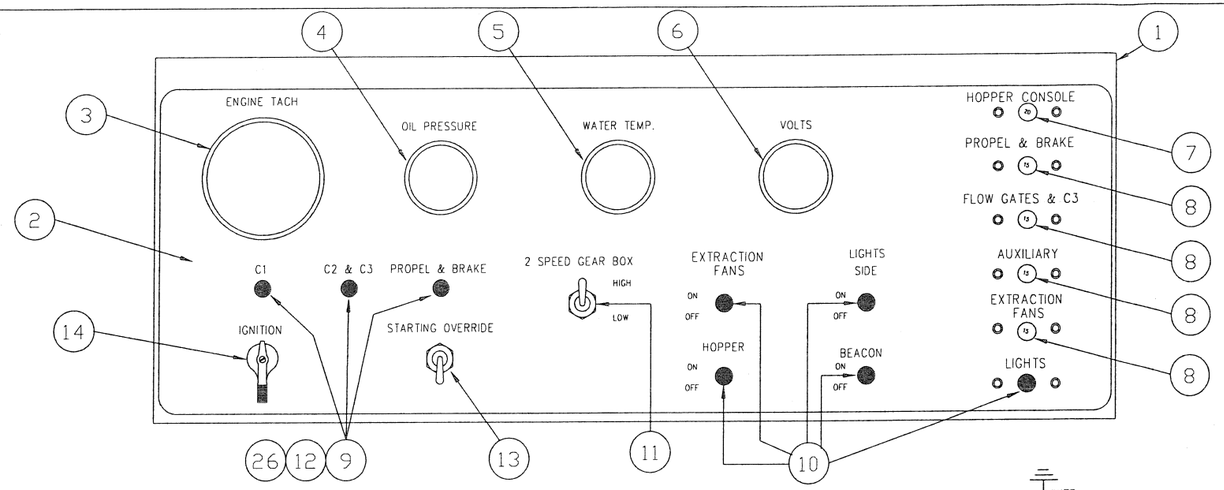
ELECTRICAL ASSEMBLY
(135812-01)



ELECTRICAL ASSEMBLY
(135812-01)

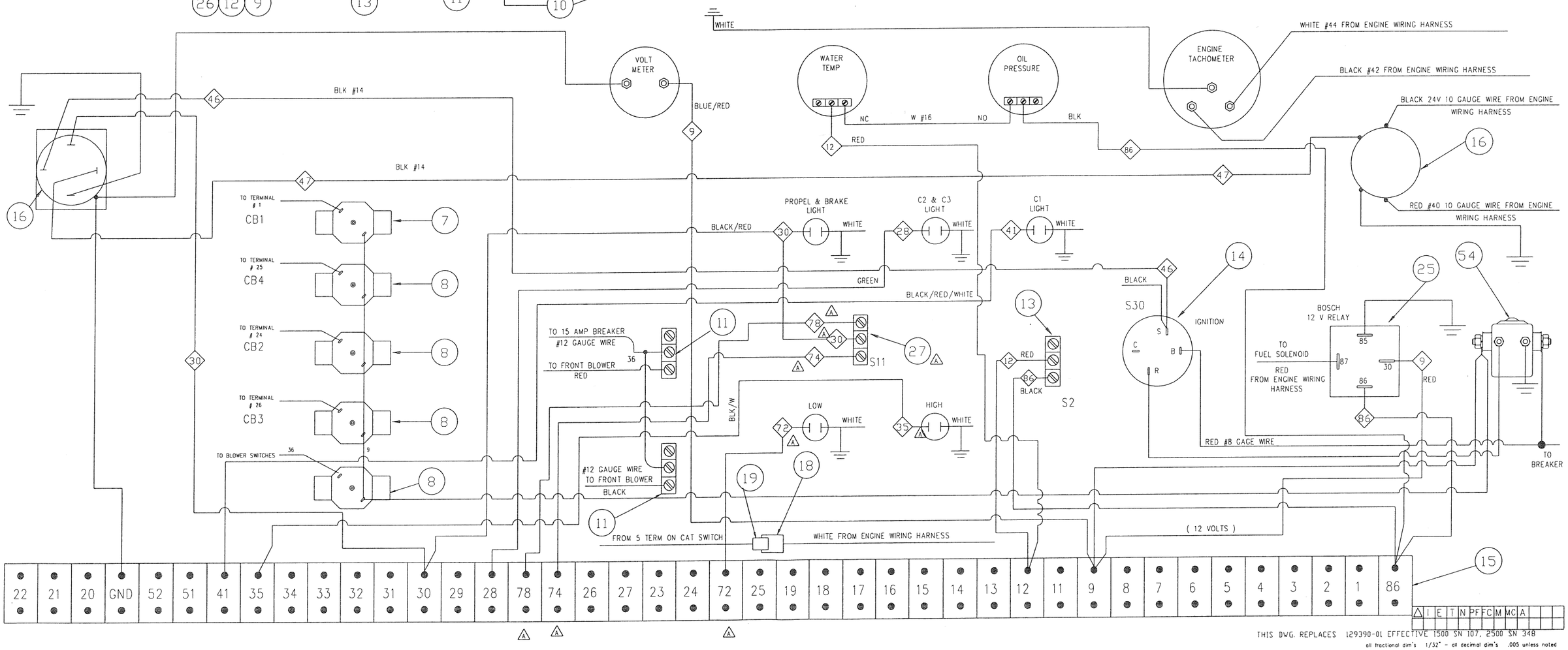
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	20P55	TOGGLE SWITCH	REF.
2	13E68	TOGGLE SWITCH	REF.
3	86947-04	JUNCTION BOX	1
4			
5	98204	ELECTRCIAL CONTROL	1
6	97542	TOGGLE SWITCH	REF.
7	93251-04	EMERGENCY STOP SWITCH	REF.
8	93250-04	EMERGENCY STOP SWITCH	REF.
9	97678	TOGGLE SWITCH	REF.
10	92699-04	IGNITION SWITCH	REF.
11	91989-04	ENGINE TACH/ HOUR METER	REF.
12	97582	OIL PRESSURE GAUGE	REF.
13	97581	WATER TEMPERATURE GAUGE	REF.
14	97584	VOLT METER	REF.
15	80446-04	LENS - RED JEWEL	REF.
16	80445-04	LIGHT BULB	REF.
17	80449-04	LIGHT SOCKET	REF.
18	20Z53	OVERRIDE SWITCH	3
19			
20	89077-04	BACK-UP ALARM	1
21	88552-04	CGB CONNECTOR - 1/2"	1
22	90089	BREAKER - 20 AMP	REF.
23	13A04	BREAKER - 15 AMP	REF.
24	97779-04	HORN	1
25	131472-02	DATA PLATE	REF.
26	86947-03	DEEP HINGED COVER BOX	2
27	83065	LOCK WASHER - 1/4	4
28	89772	HEX NUT - 1/4 - 20	4
29	89988-04	HEX BOLT - 1/4 - 20 X 3/4	4
30	11S35	BATTERY - 4D	2
31	84196-04	CGB CONDUIT LOCK	1
32	84444	FLAT WASHER - 1/4	4
33	121410-01	DATA PLATE	REF.
34	99450-01	DATA PLATE	REF.
35	99965	CLAMP 2 RUBBERIZED TUBE	2
36	84332	HEX BOLT - 3/8 - 16 X 1 LG.	2
37	83056	LOCK WASHER - 3/8	2
38	83055	HEX NUT - 3/8 - 16	2
39	20Z54	CIRCUIT BREAKER - 60A	1
40	90930-04	CIRCUIT BREAKER - 40A	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	97976	ADHESIVE MOUNT (NOT SHOWN)	100
42	92756-04	4 PIN CONNECTOR (NOT SHOWN)	4
43	127519	3 PIN MATING BAG (NOT SHOWN)	1
44	127520	WEATHER PAK CONNECTOR (NOT SHOWN)	2
45			
46	98319	CONNECTOR/ JOYSTICK (NOT SHOWN)	5
47	90093	1/2 EYE TO #10 RING TERMINAL (NOT SHOWN)	2
48	121396	FEMALE DISCONNECT (NOT SHOWN)	25
49	95018	8 GA. WIRE (NOT SHOWN)	396"
50	121393	2/C 8 GA. WIRE (NOT SHOWN)	92"
51	95578	16 GA. WIRE (NOT SHOWN)	120"
52	86624-03	25/C WIRE (NOT SHOWN)	276"
53	83995-04	BATTERY CABLE	180"
54	95019	10 GA. WIRE (NOT SHOWN COMPLETELY)	480"
55	87856-04	12 GA. WIRE (NOT SHOWN COMPLETELY)	540"
56	84316-04	2/C 16 GA. WIRE (NOT SHOWN COMPLETELY)	600"
57	123232	5/C 16 GA. WIRE (NOT SHOWN COMPLETELY)	72"
58	121103	15/C WIRE (NOT SHOWN COMPLETELY)	420"
59	92498-04	16 GA. WIRE (NOT SHOWN)	72"
60	123097	5/8 LOOM (NOT SHOWN)	108"
61	95021	1/4 LOOM (NOT SHOWN)	600"
62	95020	1/2 LOOM (NOT SHOWN)	144"
63	98298	1 LOOM (NOT SHOWN)	276"
64	35Z65	3/4 LOOM (NOT SHOWN)	180"
65	95799	3/8 LOOM (NOT SHOWN)	144"
66	84318	12/C WIRE (NOT SHOWN COMPLETELY)	564"
67	131564-04	25/C 14 GA. HI-TEMP WIRE (NOT SHOWN COM.)	300"
68	83648-04	3/8 RING TERMINAL (NOT SHOWN)	5
69	90093	RING TERMINAL - 1/2 - 10 GA. (NOT SHOWN)	2
70	13E68	TOGGLE SWITCH	1
71	135810-01	CONTROL ARRANGEMENT & INTERCONN. DIA.	1
72	86465-04	AMPHENOL CLAMP - 5 PIN (NOT SHOWN)	4
73	80412	AMPHENOL CLAMP - 10 PIN (NOT SHOWN)	2
74	130644	BATTERY ISOLATION SWITCH	1
75	52Z09	CONNECTOR - 1 PIN FEMALE - " TACH - WIRE "	1
76	20P56	TOGGLE SWITCH	2
77	86505-04	MOLDING - 3/8 INTERLOCK (NOT SHOWN)	1 FT.
78	98550-04	MOLDING - 1/2 INTERLOCK (NOT SHOWN)	6 FT.
79	O9399-04	CGB CONNECTOR - 1/2 (NOT SHOWN)	1
80	80645-04	CGB CONNECTOR - (193) 1/2 (NOT SHOWN)	7
81	87222-04	CGB CONNECTOR - (NOT SHOWN)	5



QTY	ITEM	IDENT	DESCRIPTION
3	30	93250-04	CONTACT BLOCK ~ EMERGENCY STOP
2	31	97678	TOGGLE SWITCH
1	32	121410-01	CONTROL BOX COVER
2	33	96632-04	HOPPER DATA PLATE
100	34	83857-04	WIRE TIE 7 1/2" LG NYLON (NOT SHOWN)
1	35	20753	TOGGLE SWITCH
4	36	120275	RESISTOR ~ 75 OHM - 10 WATT
C 1	37	97621	RESISTOR ~ 100 OHM - 10 WATT
2	38	130406	ROTARY POTENTIOMETER ~ 100 OHM - 25 WATTS
1	39	80411-04	10-PIN AMPHENOL (NOT SHOWN)
80	40	97735	SPADE TERMINAL (NOT SHOWN)
200	41	28Y52	TERMINAL (NOT SHOWN)
4	42	80419-04	10 PIN RECEPTACLE CAP (NOT SHOWN)
4	43	80413	AMPHENOL (NOT SHOWN)
3	44	98986-04	#10 TERMINAL (NOT SHOWN)
1	45	121538	FEMALE CONNECTOR (NOT SHOWN)
80	46	90990	RING TERMINAL (NOT SHOWN)
10	47	93988	5/16 - RING TERMINAL (NOT SHOWN)
10	48	90553	1/4 - RING LUG - 10 GA. (NOT SHOWN)
7	49	38757	TERMINAL 1/4 - TAB x 16 - 14 GA. (NOT SHOWN)
1	50	121539	MALE CONNECTOR (NOT SHOWN)
4	51	98319	SPADE TERMINAL (NOT SHOWN)
1	52	127907-04	C-1 CONVEYOR OPEN/CLOSE DOOR - DATA PLATE
1	53	127431-04	DATA PLATE - "REVERSING CONVEYOR"
1	54	135727-04	POWER RELAY - 12V
A 1	55	80634	MOUNTING TRACK x 3" LG
A 2	56	80465-04	TRACK STOP (60BNLS)
B 1	57	141825-A1	KIT ~ WIRE MARKER

QTY	ITEM	IDENT	DESCRIPTION
REF	1	120199-01	CENTER CONSOLE WELDMENT
1	2	129385-01	GAUGE PANEL DATA PLATE
1	3	91989-04	GAUGE - TACH-HOURMETER
1	4	97582	GAUGE - OIL PRESSURE
1	5	97581	GAUGE - WATER TEMPERATURE
1	6	97584	GAUGE - VOLTMETER
1	7	90089	20 AMP BREAKER
4	8	13A04	15 AMP CIRCUIT BREAKER
3	9	80446-04	RED JEWEL LENS
5	10	97944-04	PLUG
A 7	11	13E68	TOGGLE SWITCH
3	12	128180	LIGHT ~ 12 VOLT
1	13	97542	TOGGLE SWITCH
1	14	92699-04	IGNITION SWITCH
A 73	15	13C69	TERMINAL BLOCK
1	16	93118	RELAY
100	17	83856-04	WIRE TIE - 1/8 X 4 LG. - NYLON (NOT SHOWN)
1	18	121538	STAKON - WIRE INSULATED FEMALE CONNEDTOR
1	19	121539	STAKON - WIRE INSULATED MALE CONNECTOR
47	20	93253	RING TERMINAL (NOT SHOWN)
15	21	90554	RING TERMINAL (NOT SHOWN)
2	22	130406-C1	KNOB - POT
8	23	93987	STUD 8 GA - 5/16 (NOT SHOWN)
6	24	93986	STUD 8 GA - #10 (NOT SHOWN)
2	25	121746-04	BOSCH RELAY
3	26	80449-04	SOCKET
A 15	27	139471	TOGGLE SWITCH
2	28	97542	TOGGLE SWITCH
3	29	93251-04	PUSH BUTTON ~ EMERGENCY STOP



REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	~	1-27-99	ITEM 11 QTY WAS 8; ITEM 15 QTY WAS 70; ITEM 27 QTY WAS 14, IDENT WAS 20P55; ADDED ITEMS 55 & 56	JW	
B	~	5-11-00	ADDDED ITEM (57)	JW	
C	~	3-19-02	ITEM (37) WAS 35Z99	JW	

THIS DWG. REPLACES 129390-01 EFFECTIVE 1500 SN 107, 2500 SN 348

all fractional dim's 1/32" ~ all decimal dim's .005 unless noted

ROADTEC

PART NAME: CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

01 REQ'D BY: 1500/2500 | SHEET NO: 1 of 4 | FAB CODE: 603 | EFFECTIVE S/N: 07/348

DRAWN BY: DLS | CHECKED BY: | DWG NO: 135810-01 | REV: C

SCALE: 1/2=1 | DATE: 8/26/97

LEFT C1 CONTROL BOX

VIBRATOR

TRUCK HITCH

RIGHT C1 CONTROL BOX

VIBRATOR

TRUCK HITCH

S25 S24 S28 S25

12 V BLK BLK R R G/BLK G/BLK W/BLK W

PB1 EMER. STOP

PB2 EMER. STOP

WIRE CONNECTION MALE/FEMALE

TRUCK DUMP

C1 LIFT

S22 TRUCK DUMP

C1 S19 LIFT

S21 S18 S22 S19 0 R/BLK BLK BLU BLK/W

GROUND SCREW IN C1 J BOX

WIRES FROM ITEM #8 BLU/BLK R/W GROUND GROUND BLK R

TO HYDRAULIC TWO-SPEED

WIRES FROM ITEM #8 BLUE/BLACK ORANGE/BLACK BLACK NO RED COMMON 2C #16

C2 CLEAN OUT DOOR LIMIT SWITCH

TERMINAL STRIP WITHIN C1 JUNCTION BOX.

1 2 3 4 5 6 7 8 9 11 19

BLK 12 V R W G BLU O BLK/W R/BLK W/BLK G/BLK RED BLACK 2C #16 TO HORN

GROUNDING SCREW IN CONTROL BOXES AND JUNCTION BOX

BLK 12 V

VIBRATOR

TRUCK HITCH ~ IN

TRUCK HITCH ~ OUT

TRUCK DUMP ~ UP

TRUCK DUMP ~ DOWN

C1 LIFT ~ UP

C1 LIFT ~ DOWN

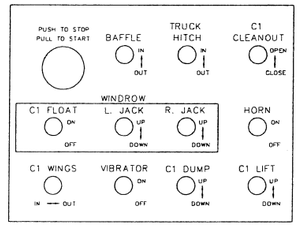
EMERGENCY STOP ~ J #1

EMERGENCY STOP ~ J #2

R W G BLU O BLK/W R/BLK W/BLK G/BLK BLU/W G/W

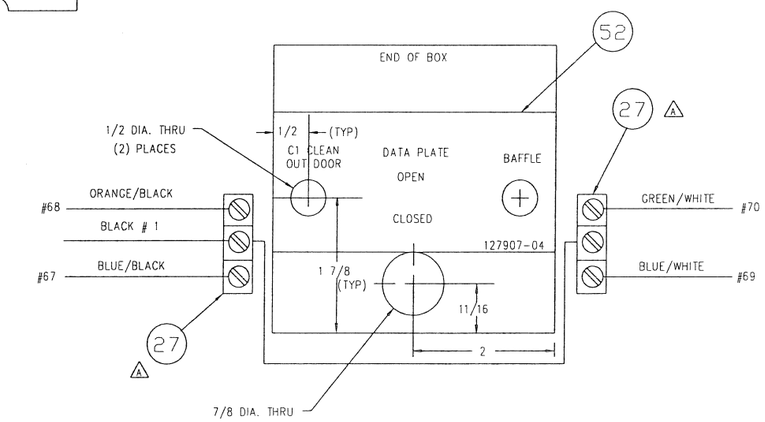
ITEM #8
TO OPERATORS CONSOLE

PART OF ITEM #8
TO OPERATORS CENTER CONSOLE
14 GAUGE 15 CONDUCTOR
HIGH TEMP



HOPPER DATA PLATE

FOR DETAILS SEE 131472-02



NOT TO SCALE

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	~	1-27-99	SEE SHEET 1	JW	
B	~	5-11-00	SEE SHEET 1	JW	
C	~	3-19-02	SEE SHEET 1	JW	

all fractional dim's 1/32" - all decimal dim's .005 unless noted

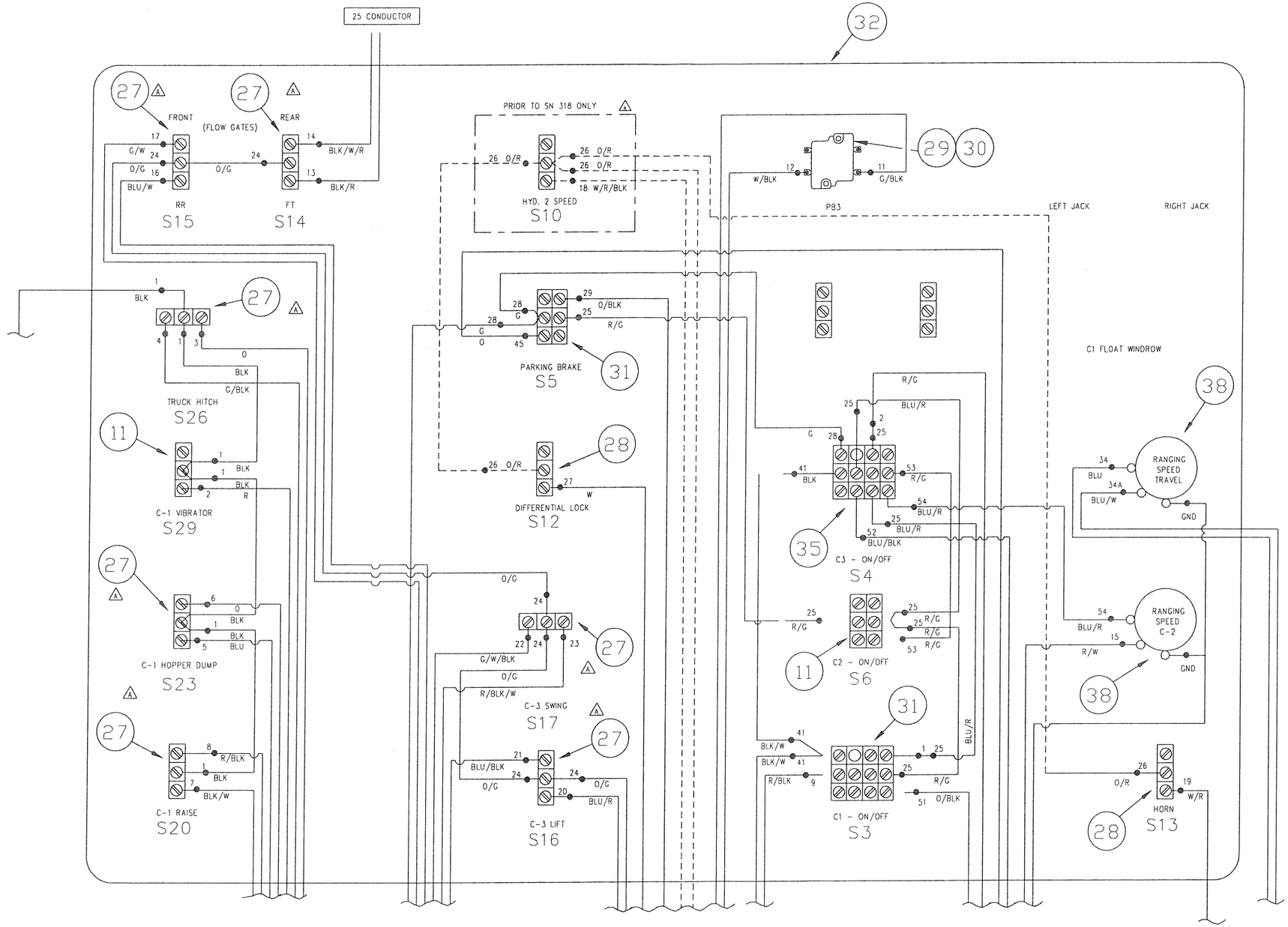
ROADTEC

PART NAME CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

01 REQ'D BY 1500/2500 | SHEET NO 2 of 4 | FAB CODE 603 | EFFECTIVE S/N 07/348

DRAWN BY DLS | CHECKED BY | DWG NO 135810-01 | REV. C

SCALE 1/2=1 | DATE 8/26/97



VIEW FROM BACK SIDE OF COVER

NOT TO SCALE

	I	E	T	N	P	F	C	M	MC	A				
△														

all fractional dim's 1/32" - all decimal dim's .005 unless noted

A	~	1-27-99	SEE SHEET 1	JW	
B	~	5-11-00	SEE SHEET 1	JW	
C	~	3-19-02	SEE SHEET 1	JW	

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

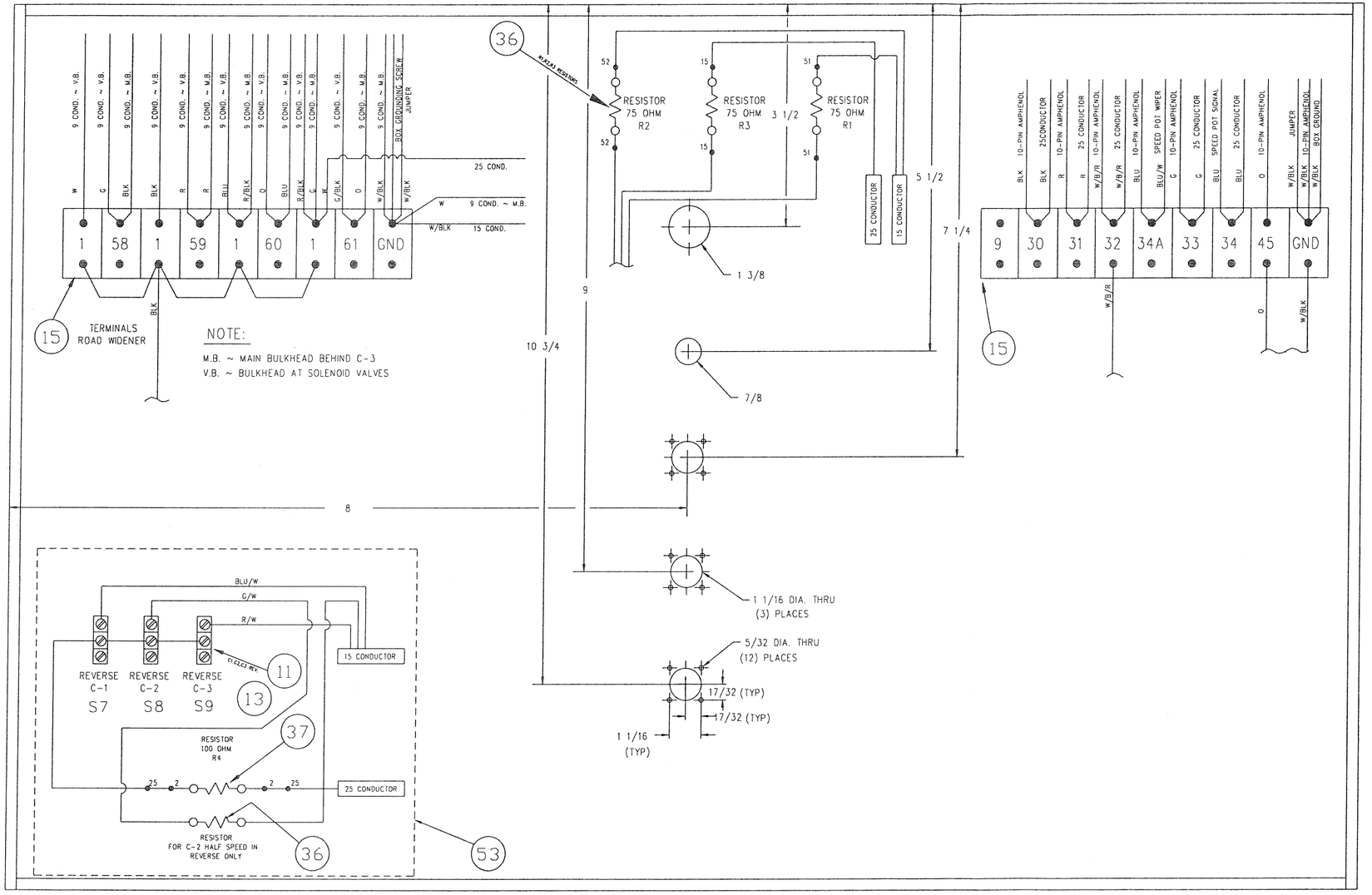
ROADTEC

PART NAME: CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

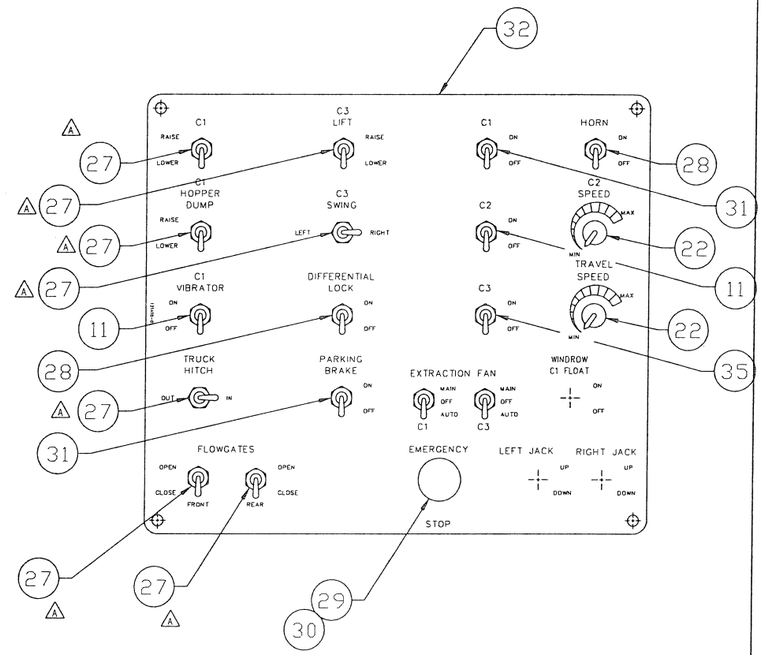
01 REQ'D BEFORE: 1500/2500 | SHEET NO: 3 of 4 | FAB CODE: 603 | EFFECTIVE S/N: 07/348

DRAWN BY: DLS | CHECKED BY: | DWG NO: 135810-01 | REV.: C

SCALE: 1/2=1 | DATE: 8/26/97



BOTTOM INSIDE OF BOX



CONTROL BOX COVER

SCALE: 1/2=1
FOR DETAILS SEE 121410-01

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	~	1-27-99	SEE SHEET 1	JW	
B	~	5-11-00	SEE SHEET 1	JW	
C	~	3-19-02	SEE SHEET 1	JW	

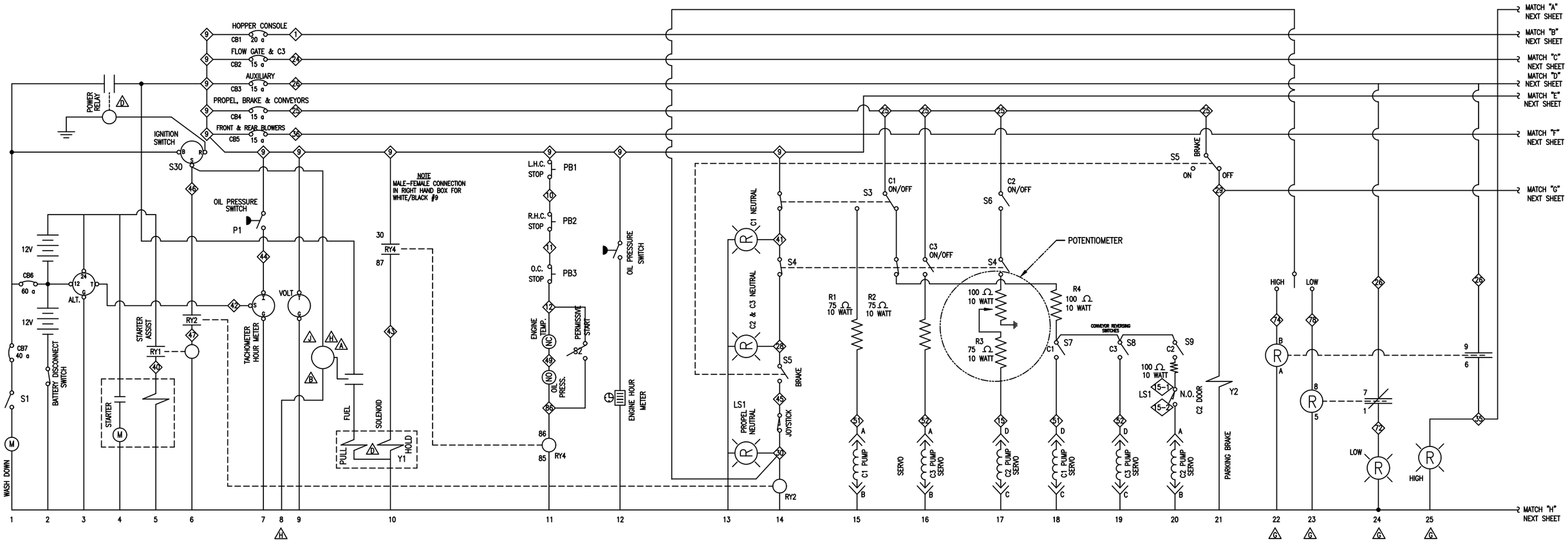
	I	E	T	N	PF	FC	M	MC	A			

all fractional dim's 1/32" - all decimal dim's .005 unless noted

ROADTEC

PART NAME: CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

01 REQ'D 1500/2500	SHEET NO 4 of 4	FAB CODE 603	EFFECTIVE S/N 07/348
DRAWN BY DLS	CHECKED BY	DWG NO 135810-01	REV. C
SCALE 1/2=1	DATE 8/26/97		



LEGEND

- = SOLENOID (Y #)
- = NORMALLY OPEN SWITCH (N.O.)
- = LIMIT SWITCH (LS #)
- = PRESSURE SWITCH (PS #)
- = TEMPERATURE SWITCH (TS #)
- = PUSH BUTTON (PB #)
- = NORMALLY CLOSED SWITCH (N.C.)
- = RESISTOR (R #)
- (RY #) = RELAY
- = WHITE LIGHT (L #)
- = ORANGE LIGHT (L #)
- = RED LIGHT (L #)
- = TERMINAL NUMBER
- = WIRE NUMBER OR WIRE CONNECTION
- = BATTERY
- = CIRCUIT BREAKER (CB #)
- = DIODE (D #)
- INTLK = INTERLOCK
- = GROUND
- FRT = FRONT
- ELEV = ELEVATION
- (P #) = PLUG
- = OPTIONAL ITEMS (EXCEPT SWITCH BORDERS, RELAYS, LIMIT SWITCHES, JUMPERS)
- = PUMP COIL
- = TEMP. SENDING UNIT

THIS DWG REPLACES # 120245-01 EFFECTIVE S/N 293

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
G	~	11-7-98	ADDED LINES 11, 21, 22, 23, & 24; TERMINAL		
			NUMBER WAS WIRE CONNECTION	JW	
H	~	7-19-99	ADDED POWER RELAY ON LINE 8	JW	
J	~	7-27-99	CHANGED POWER RELAY ON LINE 8	JW	

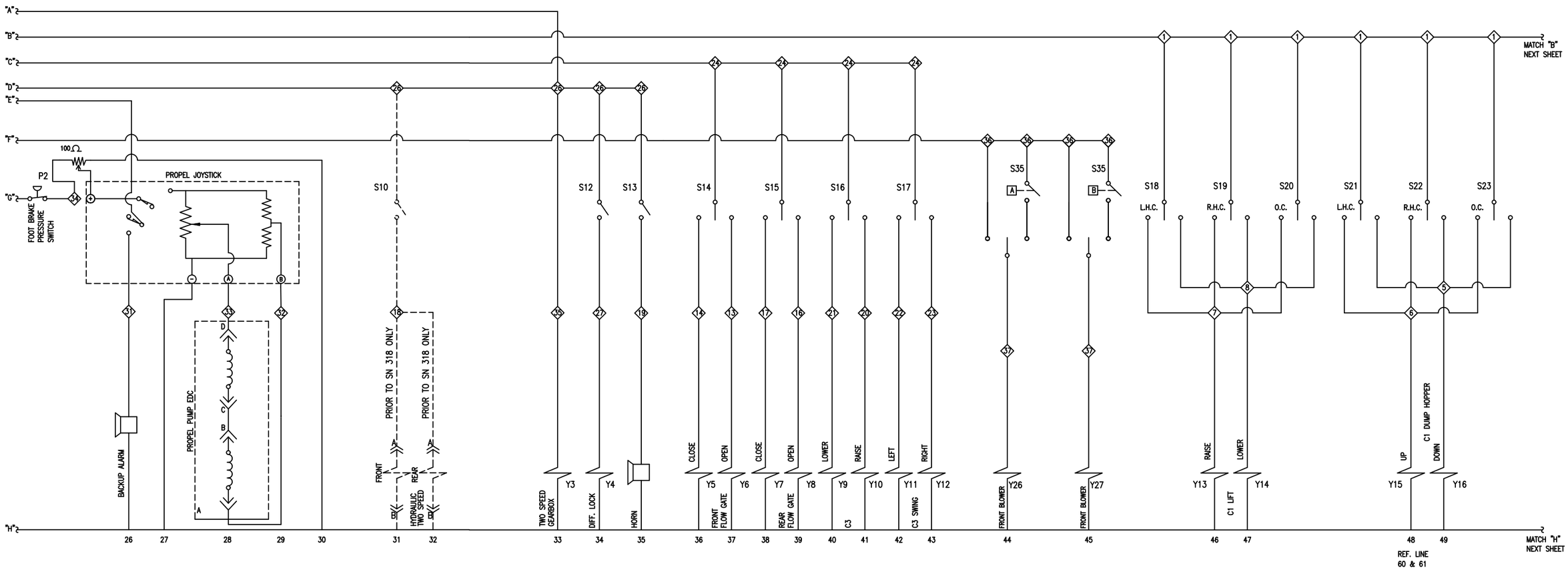
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		12-95	100 RESISTOR WAS 75 RESISTOR	DD	
B		6-4-96	ADDED WINDROW JACK CONTROL & C1 FLOAT	CMOORE	TW
C			FOR WINDROW PICKUP HEAD OPTION	CMOORE	TW
D	795	6-22-96	ADDED NOTE FOR HYD 2 SPEED CONTR, SER 320	CMOORE	TW
E		8-26-97	ADD POWER RELAY, MOVE PROPEL SPEED POT	DLS	
F		9-4-97	ADD C2 CLEAN OUT DOOR LIMIT SWITCH	DLS	
G		10-24-97	UPDATE FXS CIRCUIT TO CURRENT PRACTICE	DLS	

all decimal dim's ± .031 unless noted

ROADTEC

PART NAME: SB-2500 ELECTRICAL SCHEMATIC

DRAWN BY	SHEET NO	NEXT ASS'Y
DD	1 OF 3	~
CHECKED BY: TW/HL		
SCALE: 1=1	DATE: 11-14-95	DWG NO: 129420-01



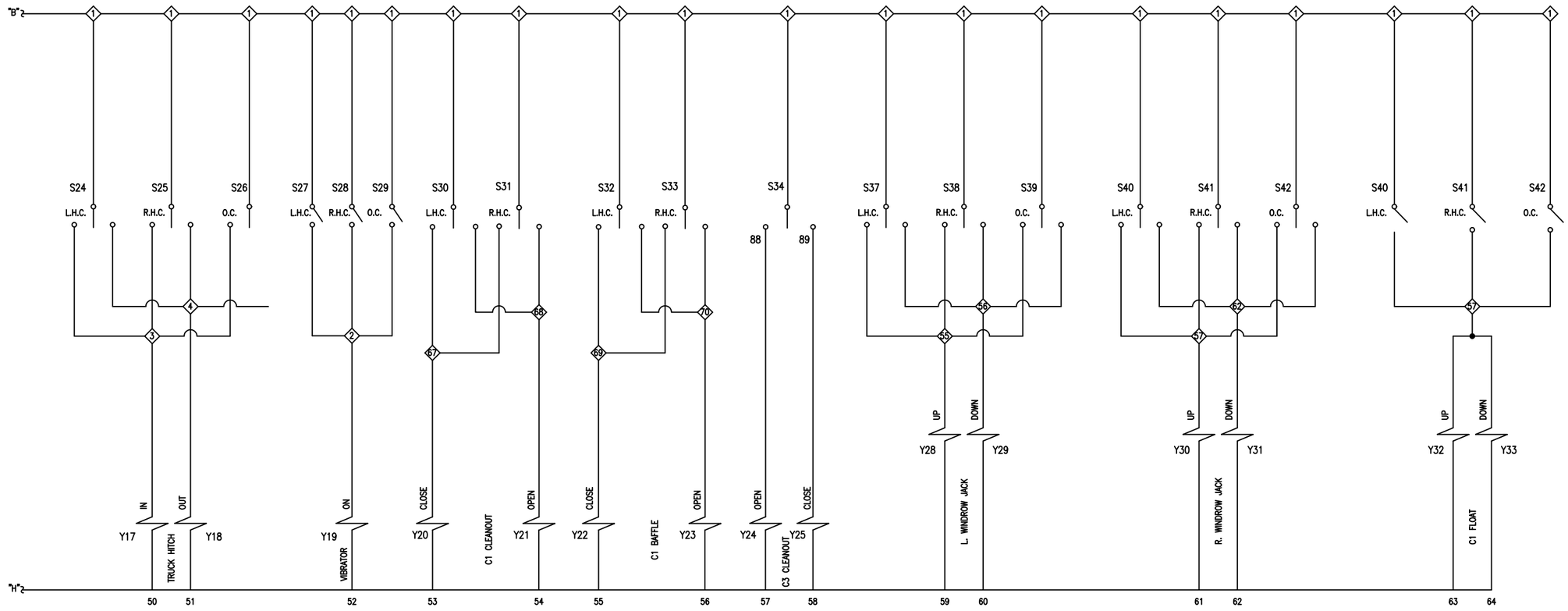
all decimal dim's ± .031 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
G	~	11-10-98	ADDED SHT 2 & TERMINAL NUMBERS WAS WIRE		
			CONNECTORS	JW	
H	~	7-19-99	SEE SHT 1	JW	
J	~	7-27-99	SEE SHT 1	JW	

ROADTEC

PART NAME: SB-2500 ELECTRICAL SCHEMATIC

DRAWN BY: DD
CHECKED BY: TW/HL
SCALE: 1=1
DATE: 11-14-95
SHEET NO: 2 OF 3
NEXT ASS'Y: ~
DWG NO: 129420-01



all decimal dim's ± .031 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
E	~	11-10-98	ADDED SHT 2 & TERMINAL NUMBERS WAS WIRE CONNECTORS	JW	
H	~	7-19-99	SEE SHT 1	JW	
J	~	7-27-99	SEE SHT 1	JW	

ROADTEC

PART NAME: SB-2500 ELECTRICAL SCHEMATIC

DRAWN BY	SHEET NO	NEXT ASS'Y
DD	3 OF 3	~
CHECKED BY	DWG NO	
TW/HL	129420-01	
SCALE 1=1	DATE 11-14-95	

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:_____
DATE PURCHASED:_____
ENGINE MAKE:_____
ENGINE MODEL:_____

CHANGES

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

NOTES

_____

_____

_____

_____

_____

_____

FOR INFORMATION AND/OR ASSISTANCE:

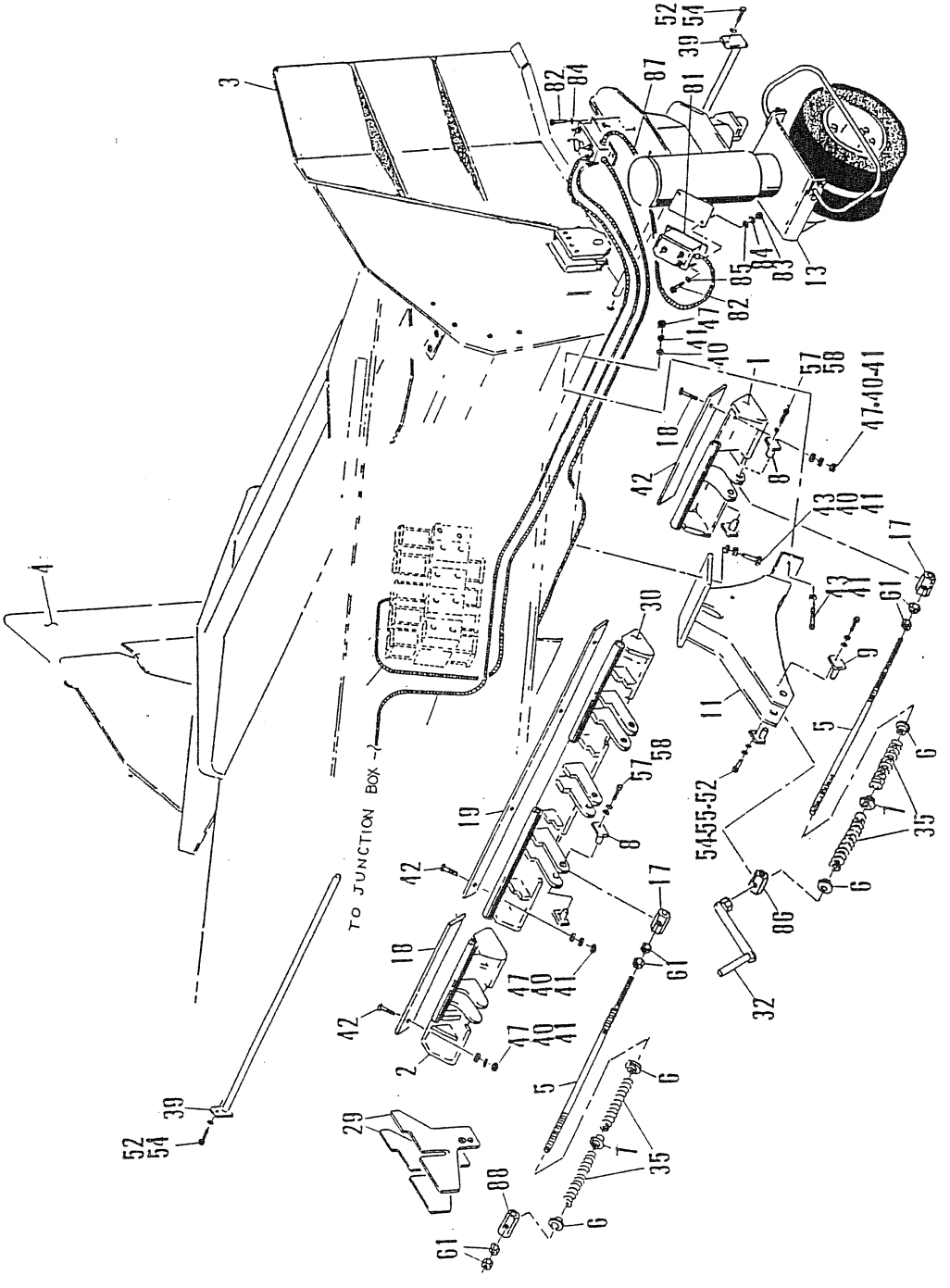
ROADTEC, INC.
800 MANUFACTURERS ROAD
PO BOX 180515
CHATTANOOGA, TN 37405-7515

PHONE: 423-265-0600 OR
1-800-272-7100
FAX: 423-267-7104

SECTION 6: OPTIONAL EQUIPMENT

ASSEMBLY	PART NO.	S/N	PAGE NO.
WINDROW	125132-01		6.1
HYDRAULIC GENERATOR	136029-01	389 & UP	6.7
HYDRAULIC GENERATOR	135663-01		6.9

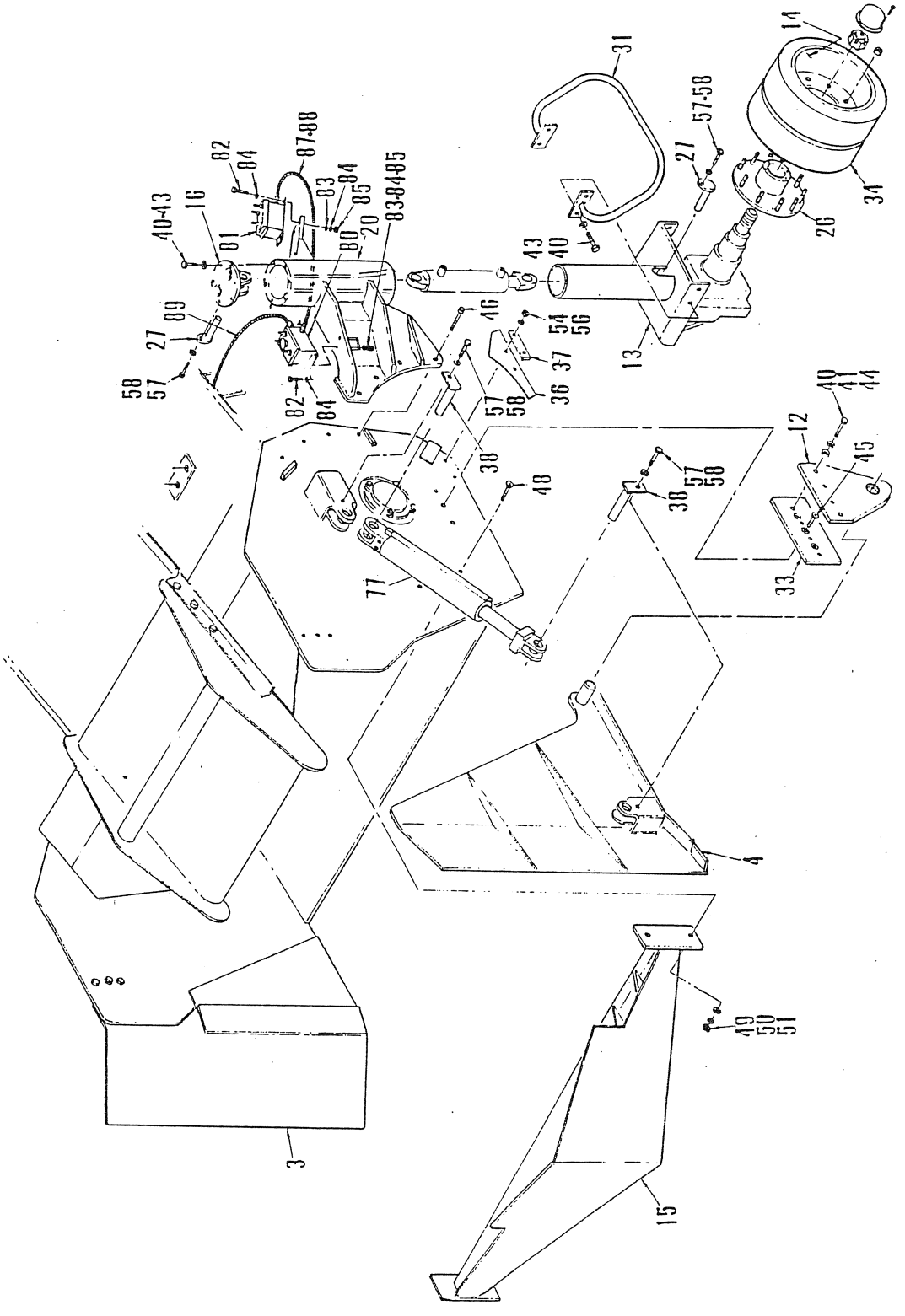
(125132-01)



WINDROW PICK- UP HEAD ASSEMBLY
(125132-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	127185-01	RIGHT BLADE	1
2	127186-01	LEFT BLADE	1
3	123521-01	RIGHT END GATE	1
4	127304-01	LEFT END GATE	1
5	127189-02	TENSION ROD	5
6	127246-03	LOWER SPRING SPACER	10
7	127247-03	UPPER SPRING SPACER	5
8	127245-03	LOWER TENSION ROD KEEPER	10
9	127244-03	UPPER TENSION ROD KEEPER	10
10	127188-01	LEFT SUPPORT	1
11	127187-01	RIGHT SUPPORT	1
12	127392-01	END GATE KEEPER PLATE	2
13	127233-01	LEFT AND RIGHT INNER JACK TUBE	2
14	125221-01	BOGIE WHEEL	2
15	123330-01	BOTTOM PLOW	1
16	127239-02	LEFT AND RIGHT JACK KEEPER	2
17	127205-03	TENSION ROD BOTTOM BLOCK	5
18	128333-02	LEFT AND RIGHT WINDROW BLADE	2
19	127206-01	CENTER BLADE	1
20	127237-01	LEFT OUTER JACK TUBE	1
21	127236-01	RIGHT OUTER JACK TUBE	1
22	97358-01	CYLINDER - 2.5 BORE X 8.5 STROKE	2
23	125322-03	C1 - PIVOT GUIDE TOP	1
24	125320-03	PIVOT TUBE SHAFT	1
25	125319-03	C1 - PIVOT GUIDE STOP	1
26	97053-04	HUB AND SPINDLE ASSEMBLY	2
27	127248-03	JACK KEEPER PIN	4
28	125274-01	C1 - PIVOT TUBE WELDMENT	1
29	129529-02	SPRING BRACKET	6
30	129496-01	CENTER BLADE SUPPORT	1
31	131132-01	WHEEL GUARD	2
32	131130-03	TENSION HANDLE	2
33	127393-03	END GATE MOUNTING BLOCK	2
34	97051-04	TIRE	2
35	127035	SPRING	10
36	131137-03	RUBBER SKIRT	2
37	131138-03	RUBBER SKIRT KEEPER	2
38	129484-03	CYLINDER PIN	REF
39	122019-03	DUMP HOPPER PIN	REF
40	84717	LOCK WASHER - 5/8	42

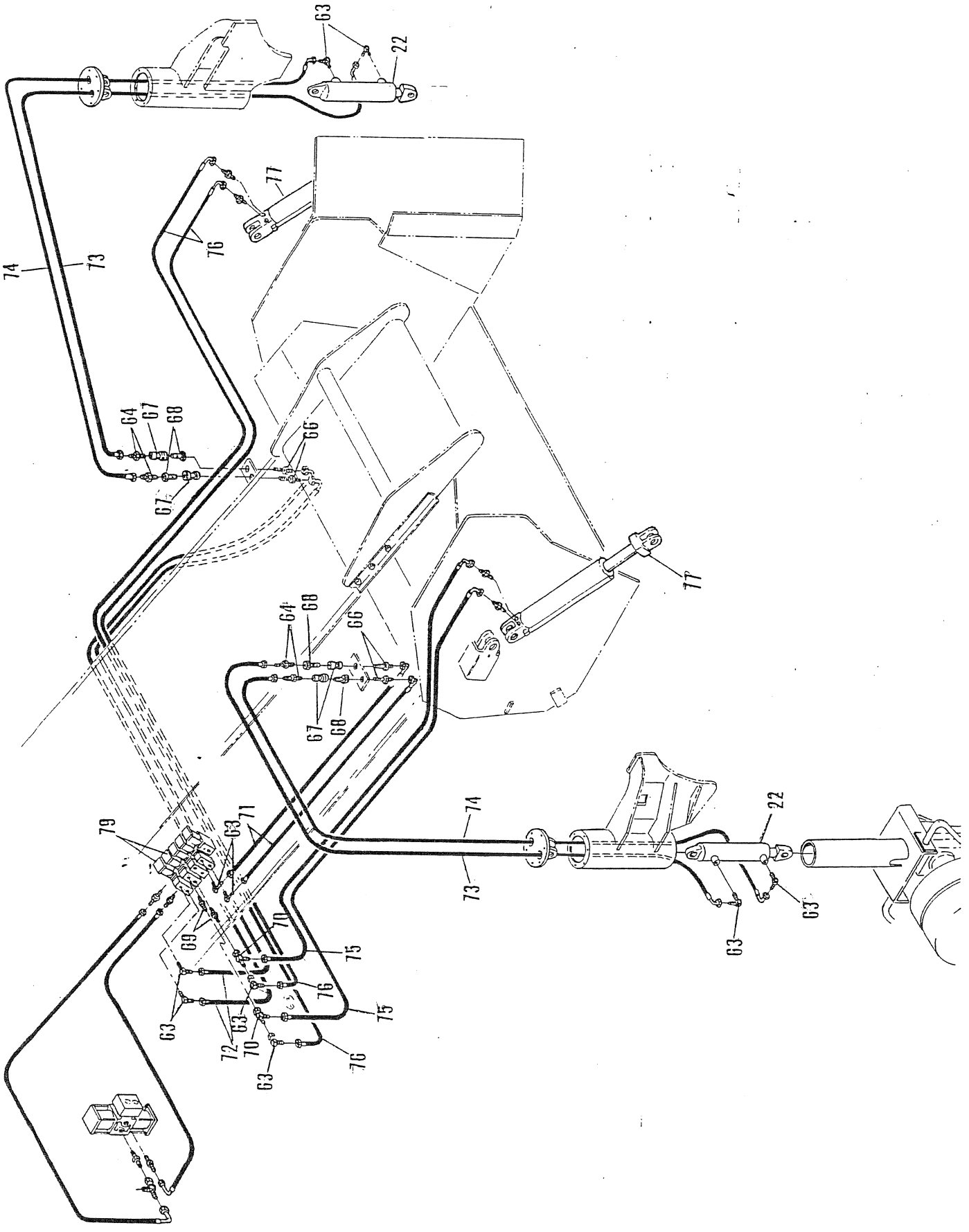
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	85147	FLAT WASHER - 5/8	16
42	91223-04	CSK BOLT - 5/8 - 11 UNC X 1 3/4 LG. GD. 8	6
43	95301	HEX BOLT - 5/8 - 11 UNC X 1 1/4 LG. GD. 8	20
44	93122	HEX BOLT - 5/8 - 11 UNC X 2 1/4 LG. GD. 8	8
45	91340-04	CSK BOLT - 5/8 - 11 UNC X 1 1/4 LG. GD. 8	6
46			
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WINDROW PICK-UP HEAD ASSEMBLY
(125132-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	84778	HEX BOLT - 5/8 - 11 UNC X 1 1/2 LG. GD. 8	8
47	85148	HEX NUT - 5/8 - 11 UNC GD. 8	12
48	93067	CSK BOLT - 3/4 - 10 UNC X 1 3/4 LG. GD. 8	4
49	83752	LOCK WASHER - 3/4	4
50	83133	FLAT WASHER - 3/4	4
51	84071-04	HEX NUT - 3/4 - 10 UNC X GD. 8	4
52	84692	HEX BOLT - 1/2 - 13 UNC X 1 1/2 LG. GD. 8	14
53	89225	HEX BOLT - 1/2 - 13 UNC X 1 3/4 LG. GD. 8	4
54	83317	LOCK WASHER - 1/2	18
55	95936	FLAT WASHER - 1/2	8
56	98399	HEX NUT - 1/2 - 13 UNC GD. 8	2
57	84332	HEX BOLT - 3/8 - 16 UNC X 1 LG. GD. 8	18
58	83056	LOCK WASHER - 3/8	18
59	83757	FLAT WASHER - 3/8	12
60	83055	HEX NUT - 3/8 - 16 UNC GD. 8	2
61	86511-04	HEX NUT - 1 1/4 - 8	16
62	90392	ROLL PIN - 3/8 X 2 1/4 LG.	2
63	84426-04	FITTING - 8 SAE X 6 JIC 90	6
64	86170-04	FITTING - 6 JIC X 1/4 NPT ST.	2
65	90427-04	FITTING - 6 JIC X 1/4 NPT FEMALE ST.	2
66	83475-04	FITTING - 6 JIC BLK.	4
67	89021-04	QUICK DISCONNECT - 1/4 NPT FEMALE	4
68	89022-04	QUICK DISCONNECT - 1/4 NPT MALE	4
69	83469-04	FITTING - 8 SAE X 6 JIC ST.	10
70	84636-04	FITTING - 6 JIC SW RUN TEE	2
71	99667	HOSE - 1/4 X 40 6 X4 ST. 6 X 4 90	2
72	99632	HOSE - 1/4 X 148 6 X 4 ST. 6 X 4 90	2
73	128253	HOSE - 1/4 X 34 6 X 4 ST. 6 X 4 90	2
74	93296-04	HOSE - 1/4 X 44 6 X 4 ST. 6 X 4 90	2
75	99670	HOSE - 1/4 X 56 6 X 4 ST. 6 X 4 90	REF
76	99669	HOSE - 1/4 X 157 6 X 4 ST. 6 X 4 90	REF
77	29H98	CYLINDER	REF
78	124125	VALVE - SOLENOID	2
79	97553	VALVE - SOLENOID RACINE	3
80	96548	CONTROL BOX - DUMP HOPPER	REF
81	96548	CONTROL BOX - WINDROW	2
82	89988-04	HEX BOLT - 1/4 - 20 UNC X 3/4 LG. GD. 8	16
83	83115	HEX NUT - 1/4 - 20 UNC GD. 8	16
84	83065	LOCK WASHER - 1/4	16
85	84444	FLAT WASHER - 1/4	16
86	127204-03	TOP TENSION ROD BLOCK	5
87	93142	9 CONDUCTOR ELECT. CABLE	7 FT
88	95799	3/8 ELEC. WIRE LOOM	7 FT
89	84320-04	19 CONDUCTOR ELEC. CABLE	22 FT
90	121103	15 CONDUCTOR ELEC. CABLE	18 FT

WINDROW PICK-UP HEAD ASSEMBLY
(125132-01)

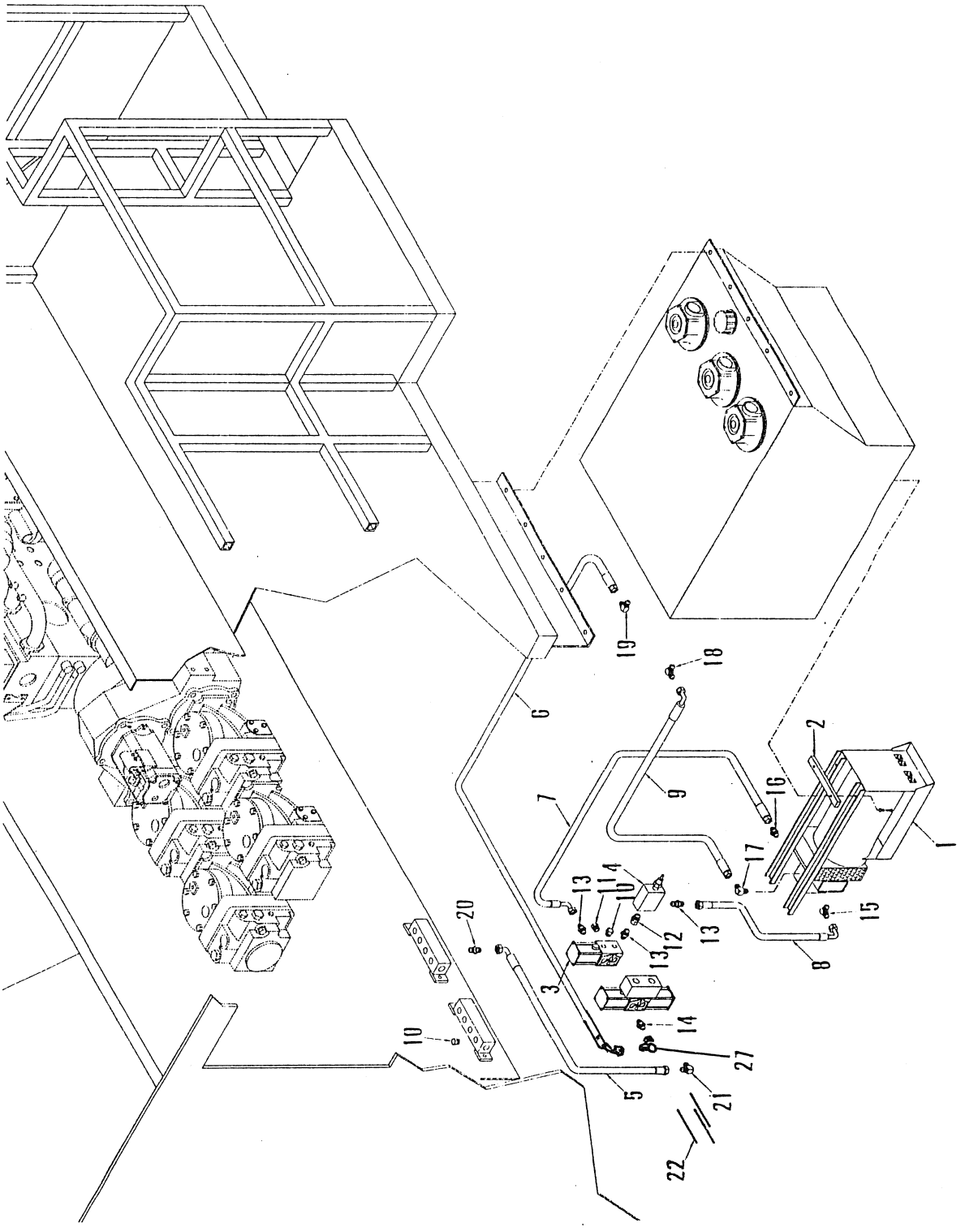


WINDROW PICK-UP HEAD ASSEMBLY
(125132-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
91	121644	15 CONDUCTOR ELEC. CABLE - HIGH TEMP.	24 FT
92	121103	15 CONDUCTOR ELEC. CABLE	15 FT
93	86947-04	C1 JUNCTION BOX	REF
94	120656	C1 PIVOT BLOCK	REF
95	120891-04	BRASS SPACER	2
96	12K37	HEX BOLT - 1 - 8 UNC X 3 LG. GD. 8	4
97	20N73	HEX BOLT - 1 - 8 UNC X 1 3/4 LG. GD. 8	4
98	83427	LOCK WASHER - 1	8
99	29E83	C1 LIFT CYLINDER	REF
100	84638-04	FITTING - 8 JIC SW RUN TEE	2
101	84636-04	FITTING - 6 JIC SW RUN TEE	4
102	83459-04	FITTING - 8 JIC X 8 SAE ST.	4
103	83734-04	FITTING - 6 SAE X 6 JIC 90	1
104	83735-04	FITTING - 6 JIC X 6 SAE ST.	REF
105	83953-04	FITTING - 6 JIC SW 90	REF
106	123357	CAVITY PLUG	4
107	126763-04	REDUCING VALVE	REF
108	99639	HOSE - 3/8 X 23 6 X 6 ST. 6 X 6 ST. #101	REF
109	99646	HOSE - 1/2 X 107 8 X 8 ST. 8 X 8 90 #94	REF
110	120763	HOSE - 1/2 X 18 8 X 8 ST. 8 X 8 ST. #104	REF
111	99639	HOSE - 3/8 X 23 6 X 6 ST. 6 X 6 90 # 100	REF
112	99665	HOSE - 3/8 X 26 6 X 6 ST. 6 X 6 90 #98	REF
113	99665	HOSE - 3/8 X 26 6 X 6 ST. 6 X 6 ST. #99	REF
114	120764	HOSE - 3/8 X 15 6 X 6 ST. 6 X 6 ST. #105	REF
115	120760	HOSE - 3/8 X 250 6 X 6 ST. 6 X 6 ST. #96	REF
116	120761	HOSE - 1/2 X 250 8 X 8 ST. 8 X 8 ST. #97	REF
117	93391-04	HOSE - 3/8 X 45 6 X 6 ST. 6 X 6 90	1
118	120142	HOSE - 3/8 X 47 6 X 6 ST. 6 X 6 90	1
119	93401-04	HOSE - 1/2 X 19 8 X 8 ST. 8 X 8 90	1
120	131210	HOSE - 1/2 X 26 8 X 8 ST. 8 X 8 90	1
121	129534-01	WINDROW PIVOT	1
122	131140-03	WINDROW CTRL. ARRANG. / INTERCONN. DIA.	1
123	82996-04	FLAT BLACK PAINT	2 GAL
124	125643	BLACK PRIMER	1 GAL
125	92465	WHITE PAINT CHEVY	1/2 GA.

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

HYDRAULIC GENERATOR ASSEMBLY
(136029-01)

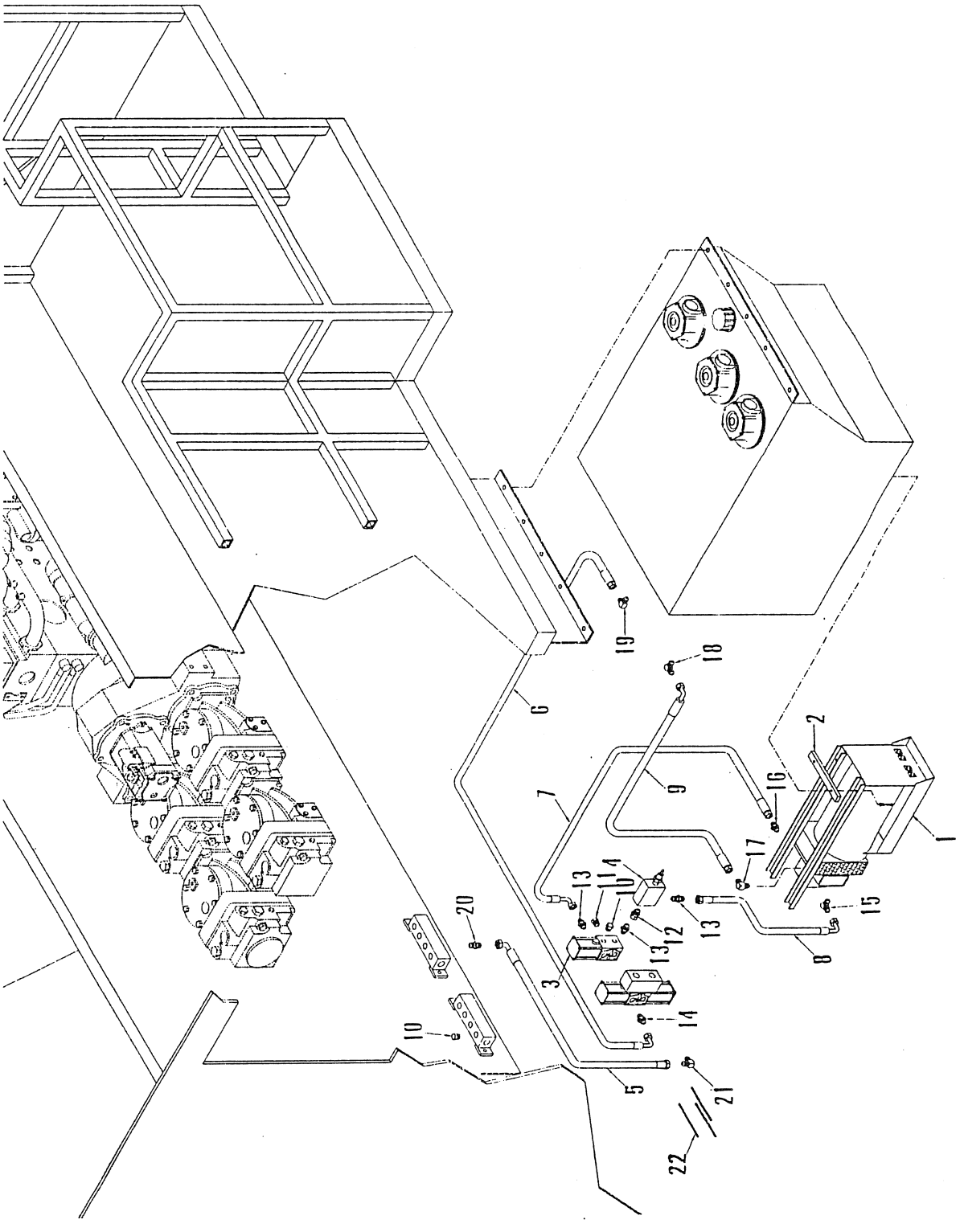


HYDRAULIC GENERATOR ASSEMBLY
(136029-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	135308-04	GENSET SET / 4 KW 120VAC W/O FLOW CONTROL	1
2	135669-03	GENSET MOUNTING BRKT.	2
3	122288-04	VALVE - SOLENOID STACK 4 - WAY 2 POS.	1
4	133337-04	FLOW CNTL. PRESSURE COMP.	1
5	99655	3/8 C2AT X 27" W/ 6 X 6 ST 6 X 6 90	1
6	134043	3/4 M3K X 77" W/ 12 X 12 ST 12 X 12 90	1
7	99662	1/2 C2AT X 80" W/ 8 X 8 ST 8 X 8 90	1
8	99662	1/2 C2AT X 80" W/ 8 X 8 ST 8 X 8 90	1
9	121245	1/4 C2AT X 26" W/ 4 X 4 ST 4 X 6 90	1
10	83767-04	8 SAE PLUG	2
11	84635-04	6 SAE PLUG	1
12	122168	8 SAE X 8 JIC SWIVEL ST.	1
13	83459-04	8 SAE X 8 JIC ST.	3
14	83458-04	8 SAE X 12 JIC ST.	1
15	123831	10 SAE X 8 JIC 90	1
16	83704-04	10 SAE X 8 JIC ST.	1
17	83743-04	4 SAE X 4 JIC 90	1
18	120672	3/4 NPT X 6 JIC 90	1
19	84002-04	3/4 NPT X 12 JIC ST.	1
20	83469-04	8 SAE X 6 JIC ST.	1
21	83734-04	6 SAE X 6 JIC 90	1
22	OO613	ALL-THREAD 3/8 - 16 X 5 3/4" LG.	3
23	83055	HEX NUT 3/8 - 16	6
24	15C82	BOLT , HEX 5/16 - 18 X 1 1/4"	4
25	85147	FLAT WASHER 5/16"	4
26	84717	LOCK WASHER 5/16"	4
27	83764-04	12 JIC SWIVEL 90	1
28	13E68	SWITCH - TOGGLE	1
29	135452-03	DECAL - GEN SET ON/OFF	1
30	92498-04	WIRE - #16 GA. BLUE W/ RED STRIPE	24"
31	90990-04	WIRE - RING POST	2
32	84316-04	WIRE - 16 - 2 ALPHA	180"
33	97735	WIRE - SPADE TERMINAL	2
34	28Y52	ELEC. - TERMINAL	2
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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HYDRAULIC GENERATOR ASSY.
(135663-01)



HYDRAULIC GENERATOR ASSY.
(135663-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	135230-04	GENSET SET / 4 KW W/O FLOW CONTROL	1
2	135669-03	GENSET MOUNTING BRKT.	2
3	122288-04	VALVE - SOLENOID STACK 4 - WAY 2 POS.	1
4	133337-04	FLOW CNTL. PRESSURE COMP.	1
5	99655	3/8 C2AT X 27" W/ 6 X 6 ST 6 X 6 90	1
6	132285	3/4 M3K X 84" W/ 12 X 12 ST 12 X 12 90	1
7	129888	1/2 C2AT X 84" W/ 8 X 8 ST 8 X 8 90	1
8	93628-04	1/2 C2AT X 96" W/ 8 X 8 ST 8 X 8 90	1
9	135662	1/4 C2AT X 30" W/ 4 X 4 ST 4 X 6 90	1
10	83767-04	8 SAE PLUG	2
11	84635-04	6 SAE PLUG	1
12	122168	8 SAE X 8 JIC SWIVEL ST.	1
13	83459-04	8 SAE X 8 JIC ST.	3
14	83458-04	8 SAE X 12 JIC ST.	1
15	123831	10 SAE X 8 JIC 90	1
16	83704-04	10 SAE X 8 JIC ST.	1
17	83743-04	4 SAE X 4 JIC 90	1
18	120672	3/4 NPT X 6 JIC 90	1
19	85490-04	3/4 NPT X 12 JIC 90	1
20	83469-04	8 SAE X 6 JIC ST.	1
21	83734-04	6 SAE X 6 JIC 90	1
22	OO613	ALL-THREAD 3/8 - 16 X 5 3/4" LG.	3
23	83055	HEX NUT 3/8 - 16	6
24	15C82	BOLT , HEX 5/16 - 18 X 1 1/4"	4
25	85147	FLAT WASHER 5/16"	4
26	84717	LOCK WASHER 5/16"	4
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