ROADTEC SB-2500 SHUTTLE BUGGY MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 120489-M
S/N. 336-351
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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, AIR, UPS, 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
800 MANUFACTURERS ROAD
CHATTANOOGA, TN. 37405

PHONE: 1-423-265-0600
TOLL FREE: 1-800-272-7100
SERVICE / PARTS FAX: 1-423-267-8686

RECEIPT OF PARTS:

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 CARRIER'S AGENT MAKES A NOTATION OF THE SHORTAGE OR DAMAGED ON THE EXPENSE BILL. NOTIFY THE TRANSPORTATION COMPANY'S AGENT AT ONCE AND REQUEST AN INSPECTION.

THIS IS ABSOLUTLEY NECESSARY:

IF THE AGENT DOES NOT MAKE AN INSPECTION, THEN AN AFFIDAVIT SHOULD BE MADE THAT THEY WERE NOTIFIED (ON A CERTAIN DATE) AND FAILED TO DO SO. 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.

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 against wear or abuse.

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. No warranty shall apply to machinery, parts or accessories which have been repaired or altered by others so as, in Manufacturer's judgment, 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.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR 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. 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.:

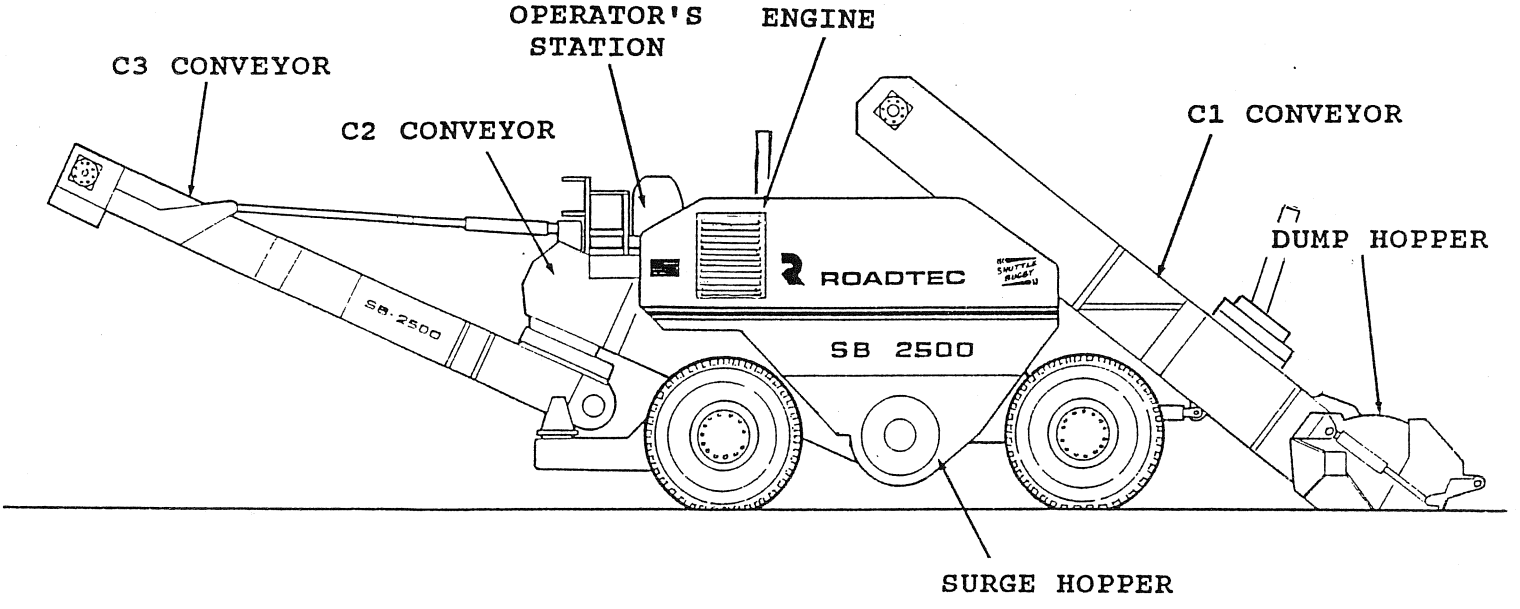
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:

OPTIONS :
SERIAL NO.:
CATALOG NO.:

SB-2500 S/N 336 & UP
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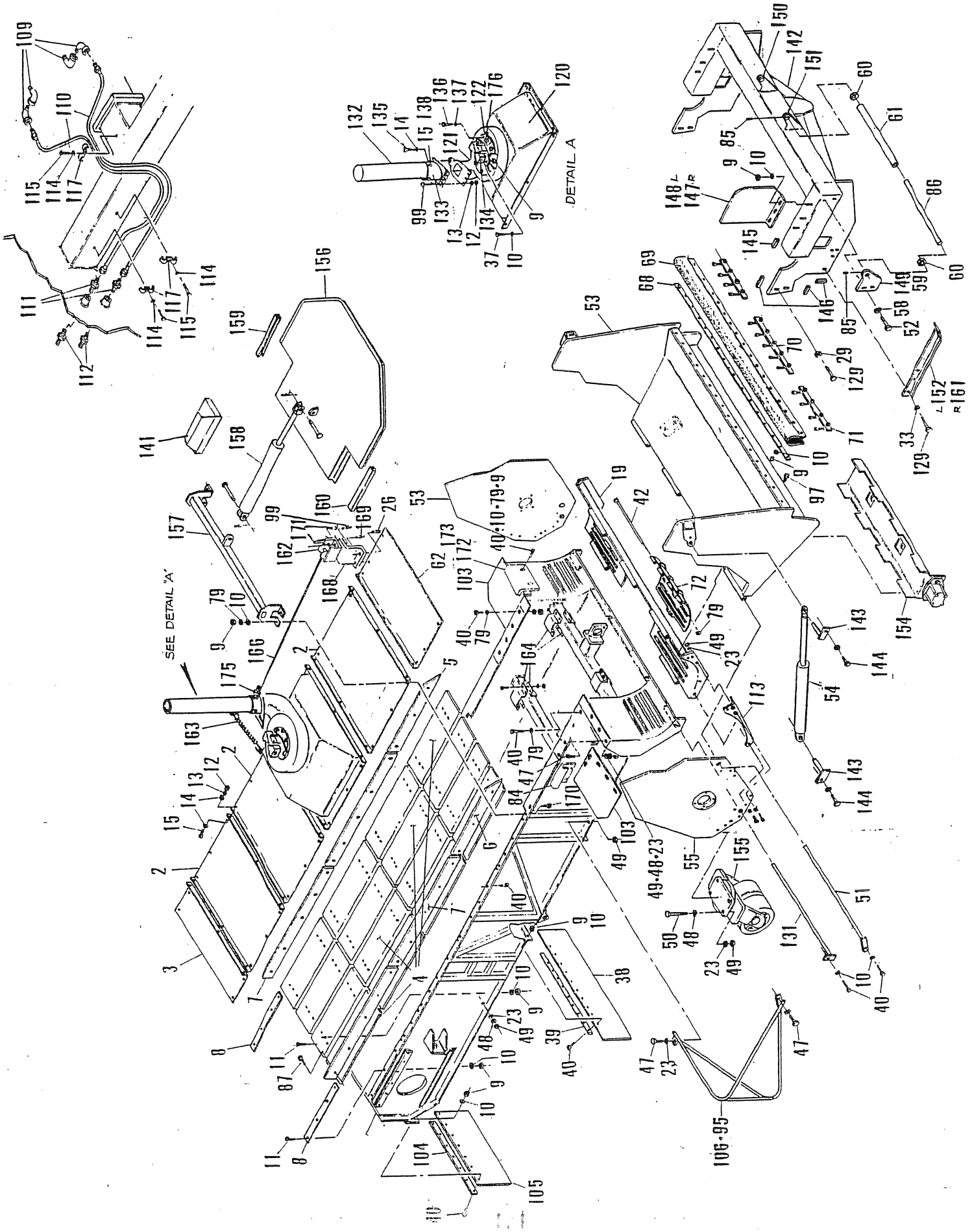
NOMENCLATURE SECTION I: UNIT ASSEMBLY	ASSEMBLY NO.	SERIAL NO.	PAGE NO.(S)
C-1 CONVEYOR	133421-01		1.1 – 1.4
C-1 CONVEYOR	134682-01	332 & UP	1.31 - 1.34
C-2 CONVEYOR	135860-01	352 & UP	1.5 – 1.8
C-2 CONVEYOR	130518-01	297 & UP	1.35 - 1.38
C-3 CONVEYOR	129229-01	322 & UP	1.9 – 1.12
ENGINE-PUMPS	135666-01	336 & UP	1.13 – 1.16
ENGINE-RADIATOR&EXHAUST	135665-01	336 & UP	
ENGINE-REMOTE AIR FILTER	128873-01	283 & UP	1.17
FRONT & REAR AXLE	131043-01	310 & UP	1.19
FUEL TANK & WASHDOWN	136030-01	352 & UP	1.21
HYDRAULIC TANK	129268-01	293 & UP	1.23
MAIN FRAME	134683-01	332 & UP	1.25
PAINT & MARKINGS	123894-01	215 & UP	1.27
OPERATORS PLATFORM	124022-01	226 & UP	1.29
SECTION II: ELECTRICAL			
WIRING	135812-01	348 & UP	2.1
WIRING	120903-01	293 & UP	2.3
SECTION III: HYDRAULICS			
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BRAKE	130804-01	298 & UP	3.3
C-1 CONVEYOR CLEAN-OUT	129219-01	261 & UP	3.5
C-1 CONVEYOR DRIVE	120743-01	293 & UP	3.7
C-1 LIFT,DUMP AND VIBRATOR	134569-01	352 & UP	3.9
C-2 CONVEYOR DRIVE	120333-01	204 & UP	3.11
C-2 HOPPER CLEAN-OUT	121730-01	294 & UP	3.13
C-3 CLEAN-OUT	128973-01	293 & UP	3.15
C-3 CONVEYOR DRIVE	127791-01	293 & UP	3.17
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SB-2500 SHUTTLE BUGGY
UNIT NOMENCLATURE



ASSEMBLIES

C-1 CONVEYOR ASSEMBLY
(133421-01)

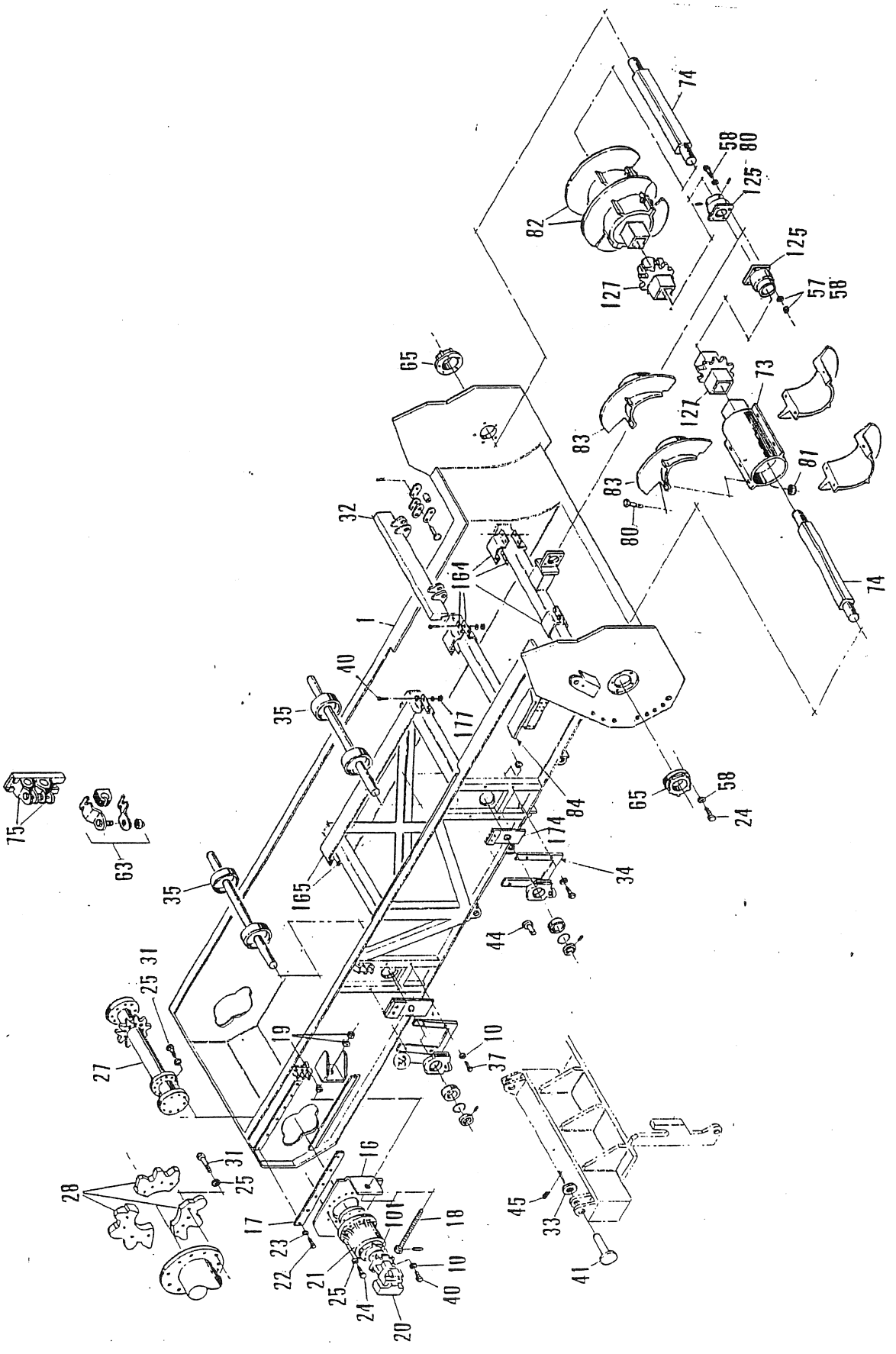


C-1 CONVEYOR ASSEMBLY
(133421-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	128161-01	C1 CONVEYOR WELDMENT	1
2	133945-01	COVER PLATE	3
3	122765-02	COVER PLATE	1
4	98961-03	WEAR PLATE (BOTTOM)	16
5	99314-03L	WEAR PLATE (L.H. SIDE)	1
6	99314-03R	WEAR PLATE (R.H. SIDE)	1
7	99312-03	WEAR PLATE (SIDES)	4
8	99056-03	WEAR BAR	2
9	83288	HEX NUT - 1/2 - 13	153
10	83317	LOCK WASHER - 1/2	180
11	29C18	COUNTERSINK BOLT - 1/2 - 13 X 1 3/4 LG.	40
12	83055	HEX NUT - 3/8 - 16	42
13	83056	LOCK WASHER - 3/8	22
14	83757	FLAT WASHER - 3/8	18
15	84332	HEX HEAD BOLT - 3/8 - 16 X 1 LG.	19
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	29E38	TORQUE HUB	2
22	89143	HEX HEAD BOLT - 5/8 - 11 X 1-3/4 LG	16
23	84717	LOCK WASHER - 5/8	120
24	93723	HEX HEAD BOLT - 3/4 - 10 X 2 1/2	20
25	26B48	HARDWASHER - 3/4	36
26	84674	HEX HEAD BOLT - 1/2 - 13 X 2 LG.	9
27	99143-01	HEAD SHAFT	1
28	130421-01	SPROCKET	2
29	93122	HEX HEAD BOLT - 5/8 - 11 X 2 1/4 LG GD. 8	32
30	26F83	HARDWASHER - 5/8	16
31	26C93	HEX HEAD BOLT - 3/4 -16 X 3 LG.	16
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.	12
38	99158-03	FLASHING	1
39	99159-03	CLAMP BAR	1
40	93144	HEX HEAD BOLT - 1/2 - 13 X 1 1/2 LG.	85
41	99165-04	PIVOT PIN	2
42	128297-03	HINGE PIN CLEAN - OUT DOOR	1
43			
44			
45	27D87	COTTER PIN - 3/8 X 3 - 1/2 LG.	6

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	29E83	HYDRAULIC CYLINDER W/ PINS	2
47	84778	HEX HEAD BOLT - 5/8 - 11 X 1 1/2 LG	18
48	85147	FLAT WASHER - 5/8	24
49	85148	HEX NUT - 5/8 - 11	35
50	86164	HEX HEAD BOLT - 1/2 - 13 X 1 1/4	21
51	99183-03	PIVOT PIN	2
52	OO891	HEX HEAD BOLT - 3/4 - 10 X 1 3/4 LG. GD. 8	4
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	93189	HEX HEAD BOLT - 3/4 - 10 X 2 1/4 LG.	12
57	84071	HEX NUT - 3/4 - 10	4
58	83752-04	LOCK WASHER - 3/4	24
59	130588-02	PUSH ROLLER / TRUCK HITCH - END LUG LEFT	2
60	84734-04	ROLLER BEARING	4
61	129473-02	PUSH ROLLER	2
62	122767-01	COVER PLATE	1
63	11K77	1" TUBE CLAMP	4
64			
65	122266-04	BEARING	2
66			
67	95674	HEX HEAD BOLT - 3/8 - 16 X 3 1/2 LG.	16
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	8
76			REF.
77	128267-04	CYLINDER PIN	2
78	83754	HEX HEAD BOLT - 1/2 - 13 X 1 LG.	108
79	83781	FLAT WASHER - 1/2	147
80	95834	HEX HEAD BOLT - 3/4 - 10 X 4 LG.	12
81	88164	LOCK NUT - 3/4 - 10	12
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	2
85	97541	SET SCREW - 3/8 - 16 UNC X 1 LG.	4
86	129477-03	PUSH ROLLER SHAFT	2
87	121835	COUNTERSINK BOLT - 5/8 - 11 X 2 LG.	24
88	128215-02	CYLINDER GUARD	1
89			
90			

C-1 CONVEYOR ASSEMBLY
(133421-01)



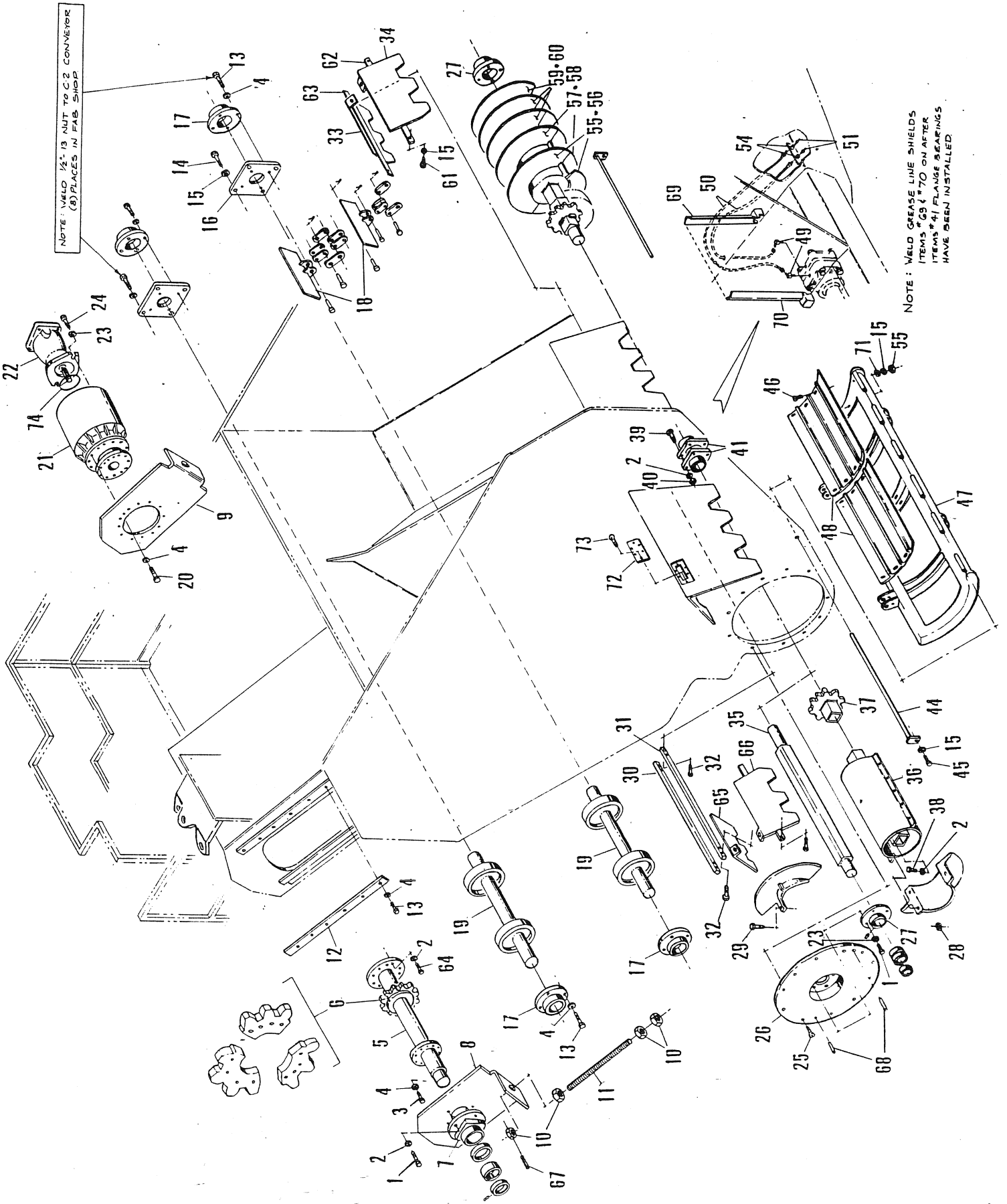
C-1 CONVEYOR ASSEMBLY
(133421-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
91			
92			
93			
94			
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	4
98	10D63	HARDWASHER - 1/2	4
99	96476	HEX HEAD BOLT - 3/8 - 16 X 1 1/4 LG	6
100	OO969	KEYSTOCK - 1/4 X 1/4 X 1 LG.	1
101	97489	" O " - RING	2
102			
103	123726-03	CONTROL COVER GUARD	2
104	99579-03	CLAMP BAR	1
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	122635	HEX NUT - 3/4 - 10	4
109	86093-04	ST. ELBOW 90 1/8 NPT	4
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	83416	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			
117	80539-04	TIPPY CLIP (3/8 CONDUIT METAL)	6
118	83781-04	1/2" WASHER	1
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	125369-02	MOTOR MTG PLATE	1
123			
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	12
130			
131	122019-03	DUMP HOPPER PIN	2
132	129227-03	VENT PIPE	1
133	134543-02	FAN SHROUD EXT. WELDMENT	1
134	129454	HYDRAULIC MOTOR - 1MR 170B5760	1
135	89987-04	WING BOLT	1
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	130587-01	4' PUSH ROLLER / TRUCK HITCH FRAME WLDT.	1
143	129484-03	CYLINDER PIN	4
144	86127-04	HEX HEAD BOLT - 3/8 - 16 X 3/4LG.	1
145	OO857	KEY STOCK - 3/4 SQ. X 2 1/2 LG.	2
146	OO857	KEY STOCK - 3/4 SQ. X 5 LG.	6
147	131546-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE LEFT	1
148	131547-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE RIGHT	1
149	130720-02	PUSH ROLLER/ TRUCK - END LUG RIGHT	1
150	130589-02	PUSH ROLLER/TRUCK HITCH-INTERMEDIATE LUG LT	1
151	130719-02	PUSH ROLLER/TRUCK HITCH-INTERMEDIATE LUG RT.	1
152	131451-03 L	SKID RUNNERS	1
153	133349-01	C1 LIFT SAFETY SADDLE	4
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	131451-03 R	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	26C56	HEX BOLT - 1/2 - 13 X 2 1/4 LG.	1
170	89142	HEX BOLT - 1/2 - 13 X 1 3/4 LG.	3
171	96476	HEX BOLT - 3/8 - 16 X 1 1/4 LG.	1
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

C-2 CONVEYOR ASSEMBLY

(135860-01)

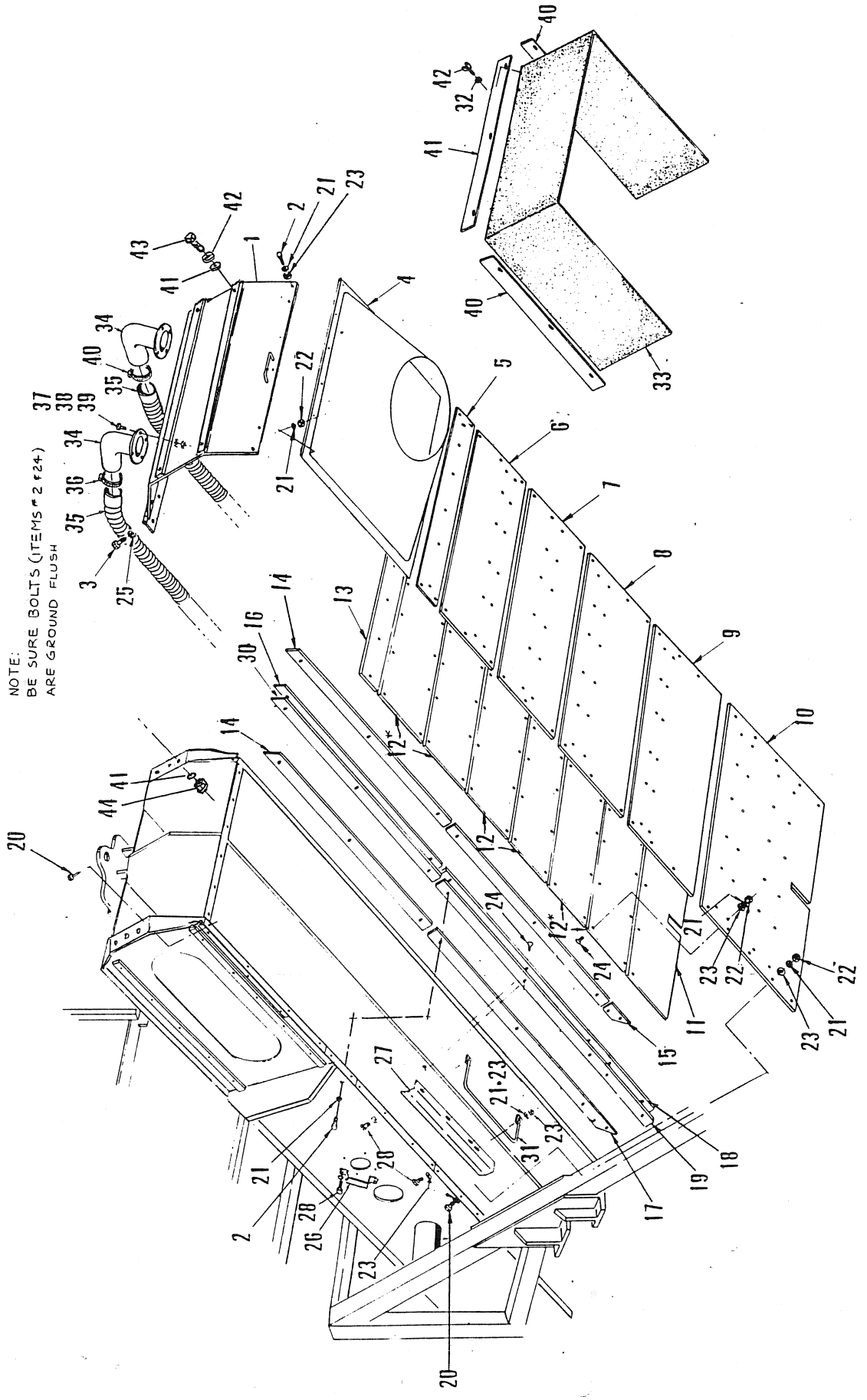


C-2 CONVEYOR ASSEMBLY
(135860-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	93071	3/4 - 10 X 2 GD. 8 HEX HEAD BOLT	4
2	83752-04	3/4 LOCK WASHER	20
3	89252	5/8 - 11 X 2 1/2 GD. 8 HEX HEAD BOLT	24
4	84717	5/8 LOCK WASHER	48
5	96087-01	HEAD SHAFT	1
6	130421-01	HEAD SHAFT SPROCKET 10 TOOTH	2
7	97350-04	FLANGE BEARING	1
8	135859-01	BEARING MOUNT TAKE UP PLATE (RIGHT)	1
9	135857-01	REDUCER MOUNT TAKE UP PLATE (LEFT)	1
10	83031	1 1/2 - 6 HEX NUT	8
11	99060-04	1 1/2 - 6 X 18 ALL THREAD BOLT	2
12	122419-03	KEEPER BAR	2
13	84778	5/8 - 11 X 1 1/2 GD. 5 HEX HEAD BOLT	22
14	89142	1/2 - 13 X 1 3/4 GD. 5 HEX HEAD BOLT	8
15	83317-04	1/2 LOCK WASHER	28
16	99364-03	BEARING MOUNTING PAD	2
17	88993-03	FLANGE BEARING	4
18	98808-02	C-2 CONVEYOR CHAIN ASS'Y	1
19	99363-01	IDLER SHAFT	2
20	89152	5/8 - 11 X 2 1/4 GD. 5 HEX HEAD BOLT	20
21	99890	PLANETARY (FAIRFIELD)	2
21	137209-04	PLANETARY (ESKRIDGE)	2
22	99889	C-2 HYDRAULIC MOTOR	REF.
23	26B48	3/4 HARD WASHER	4
24	95930	3/4 X 2 3/4 HEX HEAD BOLT	4
25	128462	1/2 - 13 X 1 CSK. BOLT	24
26	120988-01	BEARING RETAINER END PLATE	2
27	29M98	FLANGE BEARING	2
28	88164	3/4 - 10 GD. 5 LOCK NUT	30
29	95834	3/4 - 10 X 4 GD. 5 SOCKET HD. BOLT	30
30	99891-02	REAR FLOWGATE TIE BAR 82 1/4	REF.
31	99892-02	FRT. FLOWGATE TIE BAR 81 1/4	REF.
32	90511	1/2 - 13 X 2 SOCKET HD. BOLT	8
33	99831-01	FLOWGATE REAR	REF.
34	99832-01	FLOWGATE FRONT	REF.
35	130507-01	FOOTSHAFT	2
36	122594-01	AUGER MOUNTING TUBE	2
37	130506-01	SPROCKET	2
38	OO891	3/4 - 10 X 1 3/4 GD. 8 HEX HEAD BOLT	2
39	12K35	3/4 - 10 X 1 GD. 8 HEX HEAD BOLT	4
40	84071-04	3/4 - 10 HEX NUT	4

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	29M97	FLANGE BEARING	2
42			
43	89034-04	LATCH PIN	2
44	99192-02	C-2 DOOR PIVOT PIN	2
45	93144	1/2 - 13 X 1 1/2 GD. 5 HEX HEAD BOLT	2
46	29C18	1/2 - 13 X 1 1 3/4 GD. 8 CSK BOLT	36
47	123051-01	HOPPER CLEAN OUT DOOR	1
48	123196-02	DOOR LINER	2
49	99509	1/8 NPT X 4 JIC 45	2
50	29M25	1/8 X 60 GREASE TUBE W/ 4 JIC SWIVEL ENDS	2
51	83416	1/8 NPT GREASE FITTING	2
52			
53	83288	1/2 - 13 HEX NUT	20
54	92792	1/8 NPT COUPLING	2
55	95997-01	AUGER - AA-906-7148C 12 1/2 P.	2
56	95998	AUGER - AB-906-7148C 12 1/2 P.	2
57	96003-01	AUGER - BA-906-7148C 8 3/4 P.	2
58	96004	AUGER - BB-906-7148C 8 3/4 P.	2
59	96005-01	AUGER - CA-906-7148C 5 3/8 P.	6
60	96006	AUGER - CB-906-7148C 5 3/8 P.	6
61	83754	1/2 - 13 X 1 HEX HEAD BOLT	8
62	98012-02	FRONT GUIDE BAR	REF.
63	98013-02	REAR GUIDE BAR	REF.
64	122336	3/4 - 16 X 3 HEX HEAD BOLT	12
65	97991-01	FLOWGATE REAR	REF.
66	97992-01	FLOWGATE FRONT	REF.
67	90392	ROLLED PIN - 3/8 X 2 1/4	2
68	OO193	DOWEL PIN - 1/2 X 1 1/4	4
69	99502-03	GREASELINE SHIELD R.H.	1
70	99395-02	GREASELINE SHIELD L.H.	1
71	83781-04	1/2 FLAT WASHER	12
72	123413-03	COVER	1
73	92818	FLAT HD. SOC. HD. CAP SCREW 3/8 - 16 X 3/4 LG.	6
74	99929	O - RING	1
75	96724	SET SCREW - 3/4 -10 X 1	4
76	99403	1/2 - 13 UNC X 3/4 LG. CSK. BOLT (NOT SHOWN)	6

C-2 CONVEYOR PANEL ASSEMBLY
(135860-01)

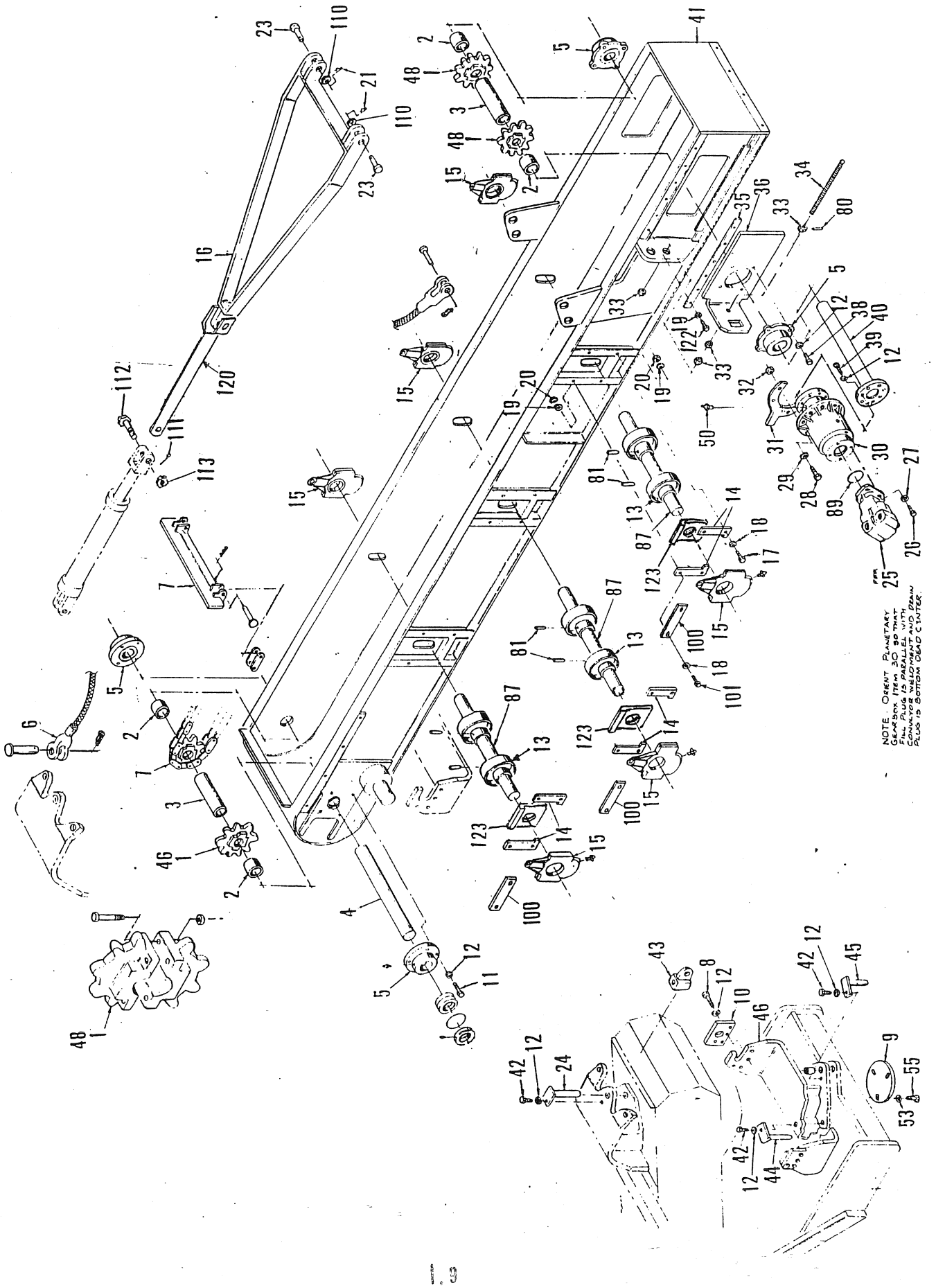


C-2 CONVEYOR PANEL ASSEMBLY
(135860-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	129103-01	C-2 ACCESS DOOR	1
2	83754	HEX BOLT - 1/2 - 13 X 1	14
3	96476	HEX BOLT - 3/8 - 16 X 1 1/4	7
4	129936-01	C-2 CONVEYOR CHUTE	1
5	99335-01-2	C-2 COVER PLATE	REF.
6	99335-01-3	C-2 COVER PLATE	REF.
7	99335-01-4	C-2 COVER PLATE	REF.
8	99335-01-5	C-2 COVER PLATE	REF.
9	99335-01-6	C-2 COVER PLATE	REF.
10	99335-01-7	C-2 COVER PLATE	REF.
11	99335-01-9	C-2 LINER PLATE	REF.
12	BN-906-7143	C-2 LINER PLATE	REF.
13	99335-01-10	C-2 LINER PLATE	REF.
14	122780-03	C-2 WEAR PLATE	2
15	122779-03	C-2 WEAR PLATE	1
16	122782-03	C-2 WEAR PLATE	1
17	122531-03	C-2 WEAR PLATE	1
18	122781-03	C-2 WEAR PLATE	1
19	122783-03	C-2 WEAR PLATE	1
20	93122	HEX BOLT - 1/2 - 13 X 1 1/2 LG.	34
21	83317	LOCK WASHER - 1/2	79
22	83288-04	HEX NUT - 1/2 - 13	65
23	83781-04	FLAT WASHER - 1/2	44
24	29C18	COUNTER SUNK BOLT - 1/2 - 13 X 1 3/4	30
25	83056	LOCK WASHER - 3/8	7
26	120871-03	HOSE PROTECTOR BRACKET	1
27	120872-03	HOSE PROTECTOR PLATE	1
28	85941-04	HEX BOLT - 1/2 - 13 X 2	4
29	99335-01	BOTTOM PLATES AND LINERS	1
30	122784-03	C-2 WEAR PLATE	1
31	128188-01	HOSE GUARD	1
32	83757	3/8 FLAT WASHER	9
33	83810-04	WELD STUD - 1/2 - 13 X 1	2
34	129110-02	FLANGE EXHAUST ELBOW	2
35	125232-04	4" HOSE X 15 FT. LG.	1
36	129000	4" HOSE CLAMP	2
37	89988-04	1/4 - 20 X 3/4 LG. HEX HEAD BOLT	8
38	83065	1/4 LOCK WASHER	8
39	89772	1/4 HEX NUT	8
40	125232-04	4" I.D. FLEX HOSE X 17 FT. LG.	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83133	FLAT WASHER - 3/4 I.D. NOM.	8
42	83752-04	LOCK WASHER - 3/4 I.D. NOM	4
43	97090	BOLT - 3/4 - 10 UNC X 2 1/2 LG.	4
44	84071-04	NUT - 3/4 - 10 UNC TH'D.	4
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C3 CONVEYOR ASSEMBLY (EXTENDED)
(129229-01)



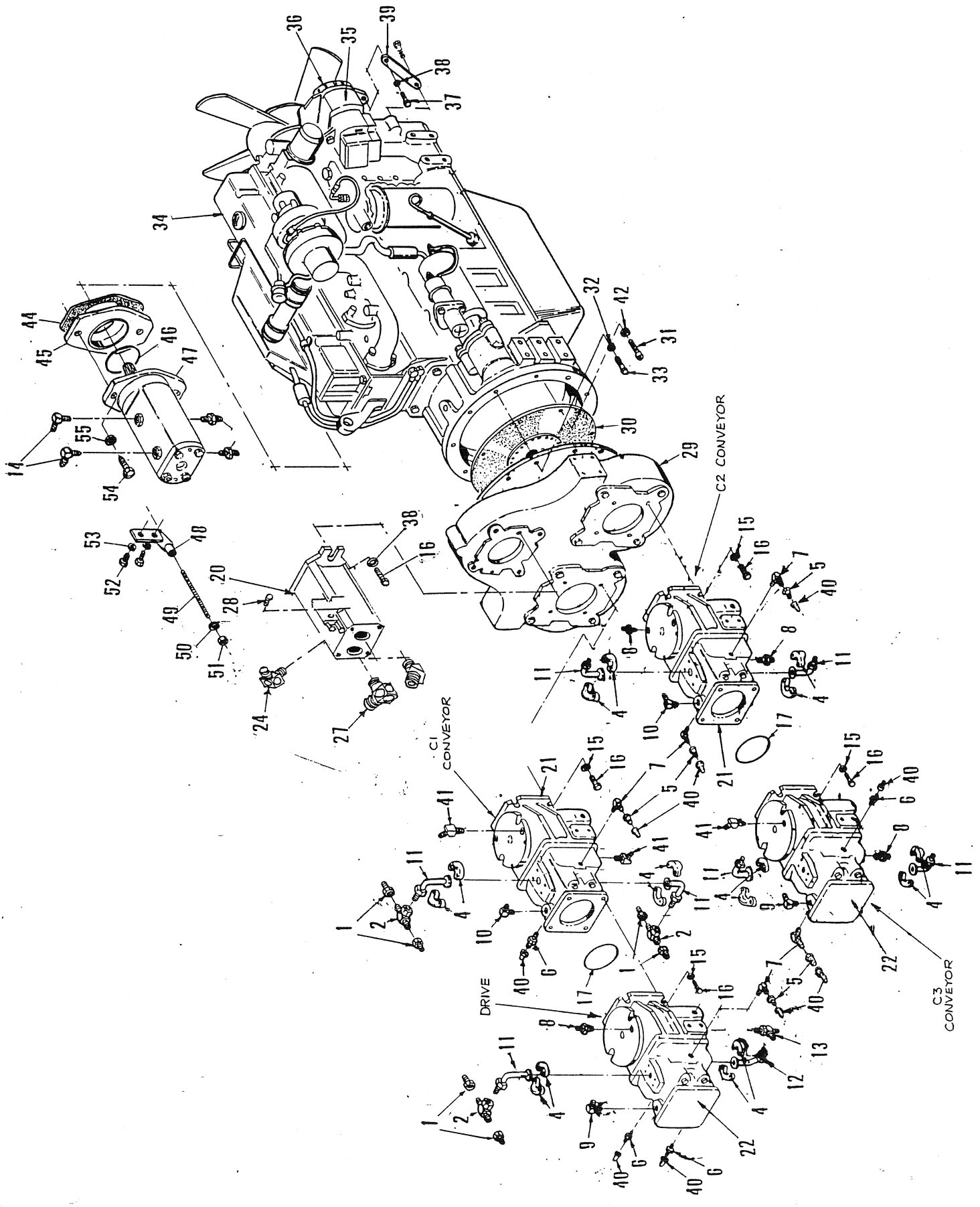
C-3 CONVEYOR ASSEMBLY
(129229-01)

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	12K33	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	12K34	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	95928	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	1
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	133348	3/4 - 16 X 3 1/2" HEX HD. BOLT	12
40	99779-01	HEAD SHAFT	1
41	128926-01	C-3 CONVEYOR WELDMENT	1
42	85574-04	3/4 - 10 X 2" HEX HD. BOLT	1
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.	
49			3
50	83416	1/8" NPT GREASE FITTING	1
51	122702-01	FLASHING - RUBBER	1
52	122124-04	CLAMP BAR - SIDE	
53	83056	3/8" LOCK WASHER	2
54	83055	3/8" HEX NUT	1
55	89816	3/8" X 1 1/4" HEX HD. BOLT	1
56	83757	3/8" FLAT WASHER	1
57	84692	1/2 - 13 X 1 1/2" HEX HD. BOLT	1
58	83781-04	1/2" FLAT WASHER	2
59	83317	1/2" LOCK WASHER	6
60	83288	1/2" - 13 HEX NUT	1
61	26C72	1/2 - 13 X 1 1/2 C'SUNK BOLT	1
62	95936	1/2" HARD WASHER	1

C-3 CONVEYOR ASSEMBLY
(129229-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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	122644-03R	SIDE LINER PLATE - RIGHT REAR	1
68	122644-03L	SIDE LINER PLATE - LEFT REAR	1
69	99794-03R	SIDE LINER PLATE - RIGHT FRONT	1
70			
71	99788-04	BAR CLAMP	3
72	99794-03L	SIDE LINER PLATE - LEFT FRONT	1
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	ROLLED PIN 3/8" X 2 1/4"	2
81	10428	PIN , SPLIT 3/8" X 3 1/4" LG.	6
82	125484-02	TOP COVER	1
83	129096-01	TOP COVER	1
84	123769-02	BOTTOM COVER	1
85	123770-03R	SIDE LINER R.H.	1
86	123770-03L	SIDE LINER L.H.	1
87	121712-03	IDLER SHAFT	3
88	125193-01	FLASHING - RUBBER	1
89	97489	O " RING	1
90	11K79	CLAMP	12
91	11K76	CLAMP	6
92	84473-02	CYLINDER - CLEAN OUT DOOR	REF.
93	83439-04	ROD END FEMALE 1" RT. HAND	REF.
94	128832-03	CYLINDER PIN	1
95	128834-03	ROD END PIN	1
96	70741	COTTER PIN	2
97	OO53O	ROUND BAR 3/4 X 26 1/4 LG. CD1018	1
98	128909-03	END COVER PLATE WELDMENT	1
99	128833-01	C-3 TRAP DOOR WELDMENT	1
100	128827-03	BEARING STOP	6
101	89689	HEX HD. BOLT 1/2 - 13 X 1 3/4 LG.	12
102	89988-04	1/4" - 20 X 3/4" HEX HD. BOLT	4
103	83065	1/4" LOCK WASHER	4
104	89772	1/4" HEX NUT	4
105	129111-02	4" - 90 ELBOW W/ FLANGE	1
106	125232-04	4" HOSE X 4 FT.	1
107	130182	4" X 144" LG. PVC PIPE	1
108	129000	4" HOSE CLAMP	2
109	93129	4" U-BOLT CLAMP	2
110	84119-04	1" FLAT WASHER	4
111	70741	COTTER PIN - 3/16" X 2 1/2 LG.	1
112	129922	BOLT - 1 1/4 - 12 X 6 1/2 LG. GD. 8	1
113	129923	CASTLE NUT - 1 1/4 - 12 GD. 5	1
114	131774-03	INSULATION COVER	1
115	131775-03	INSULATION COVER	1
116	131776-03	INSULATION COVER	1
117	131777-03	INSULATION COVER	1
118	131778-03	INSULATION COVER	1
119	133941-04	INSULATION - 48 X 96 X 3 THK.	4
120	134928-03	C3 WEAR BAR	24
121			
122	89143	5/8 - 11 X 1 3/4" HEX BOLT	12
123	134461-03	IDLER BEARING GUARD	6
124	134606-04	ELL - 4" PVC 90	1

ENGINE ASSEMBLY / PUMPS
(135666-01)

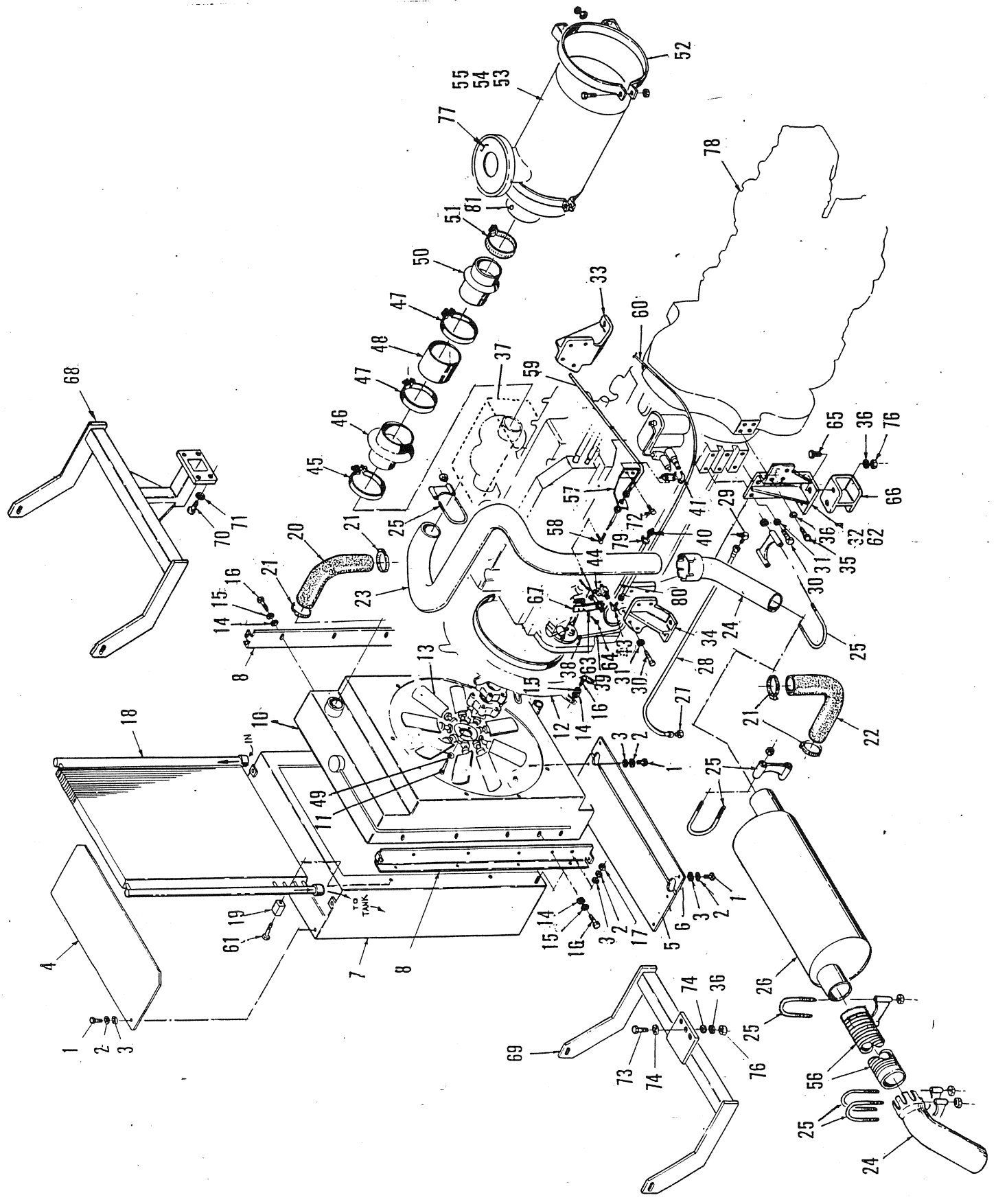


ENGINE ASSEMBLY / PUMPS
(135666-01)

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)

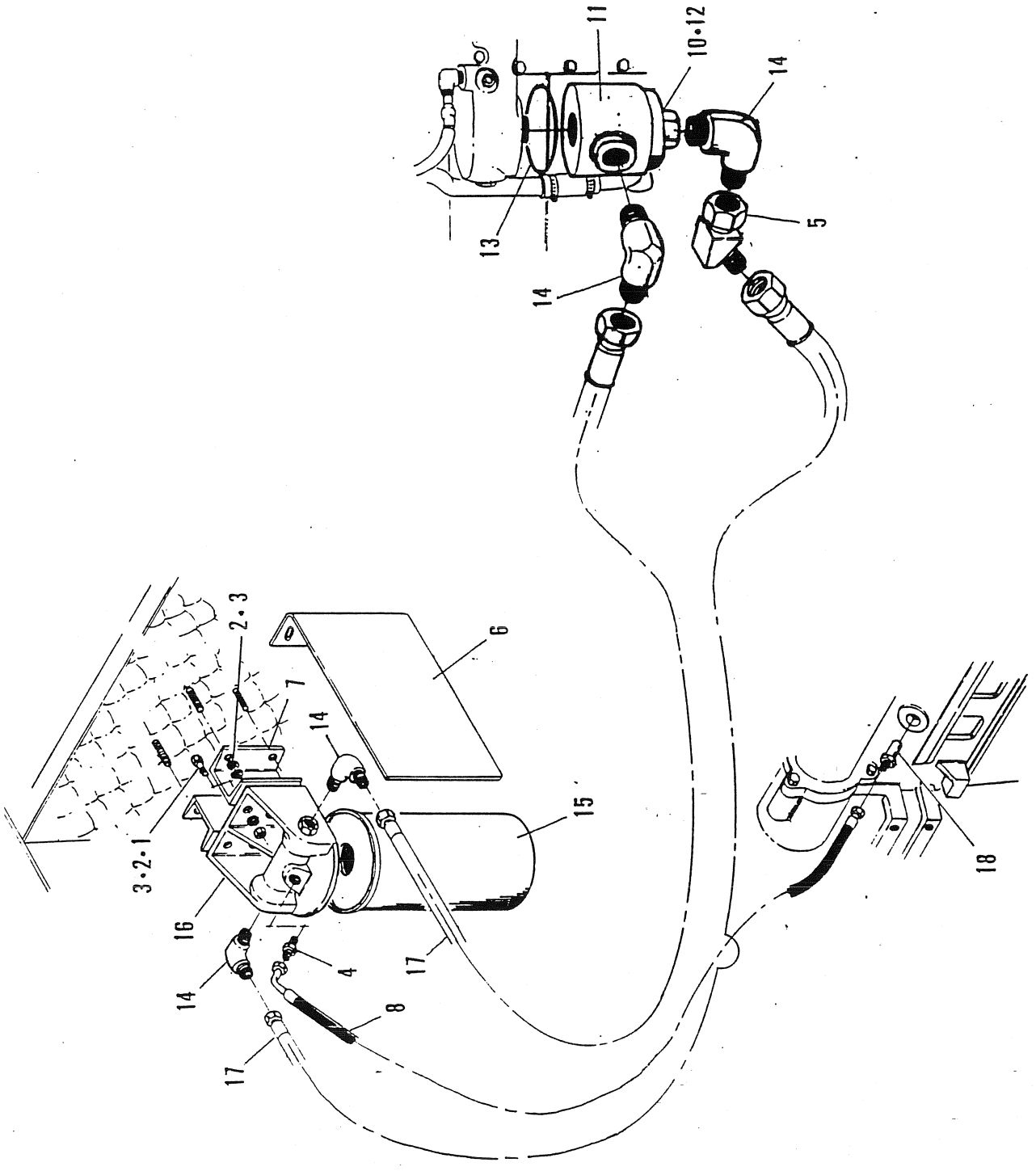


ENGINE ASSEMBLY(RADIATOR AND EXHAUST)
(135665-01)

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	99846-01	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	90629	1/2 STREET 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	120205-01	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)

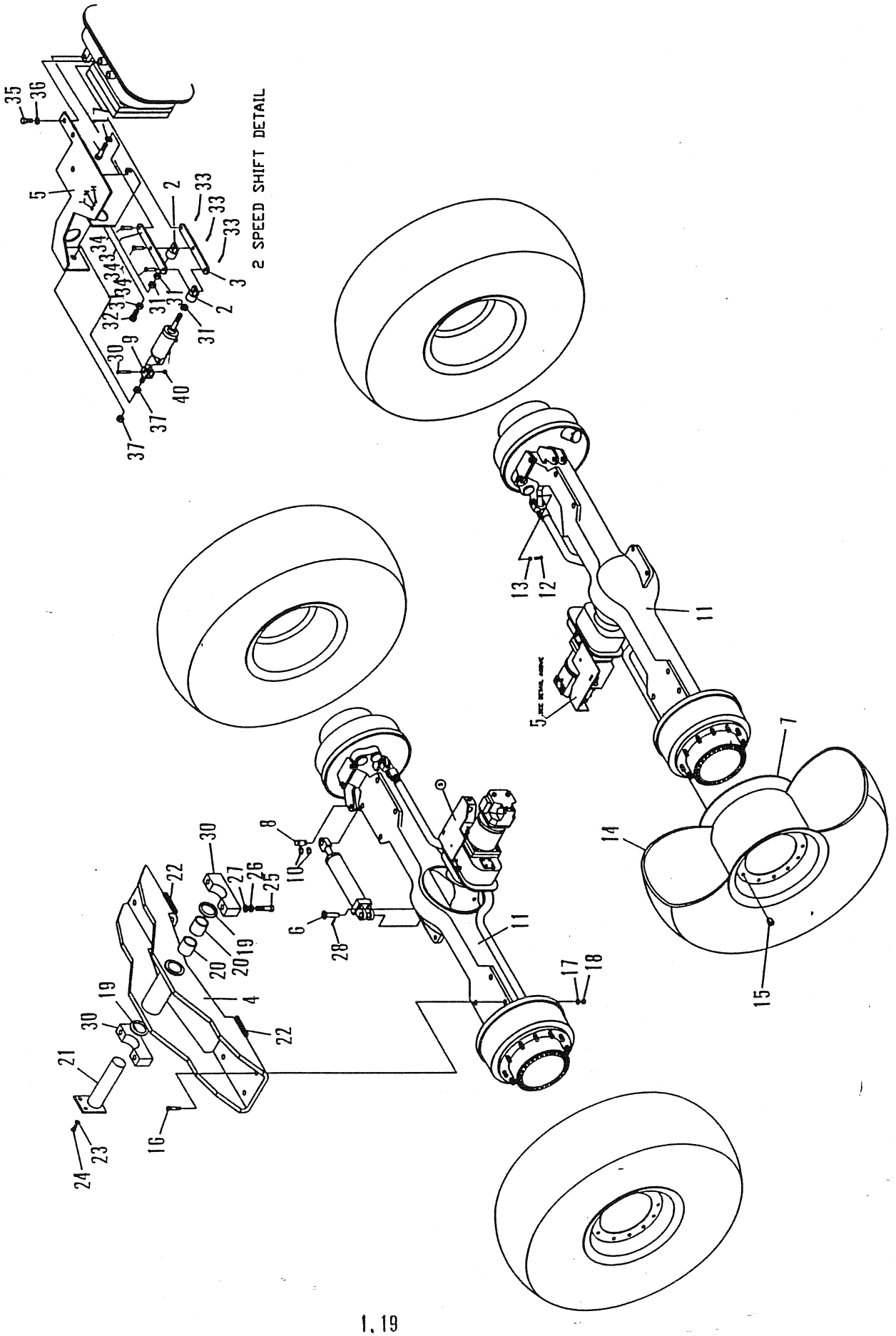


REMOTE MOUNT OIL FILTER ASSEMBLY
(128873-01)

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

FRONT AND REAR AXLE ASSEMBLY
(131043-01)

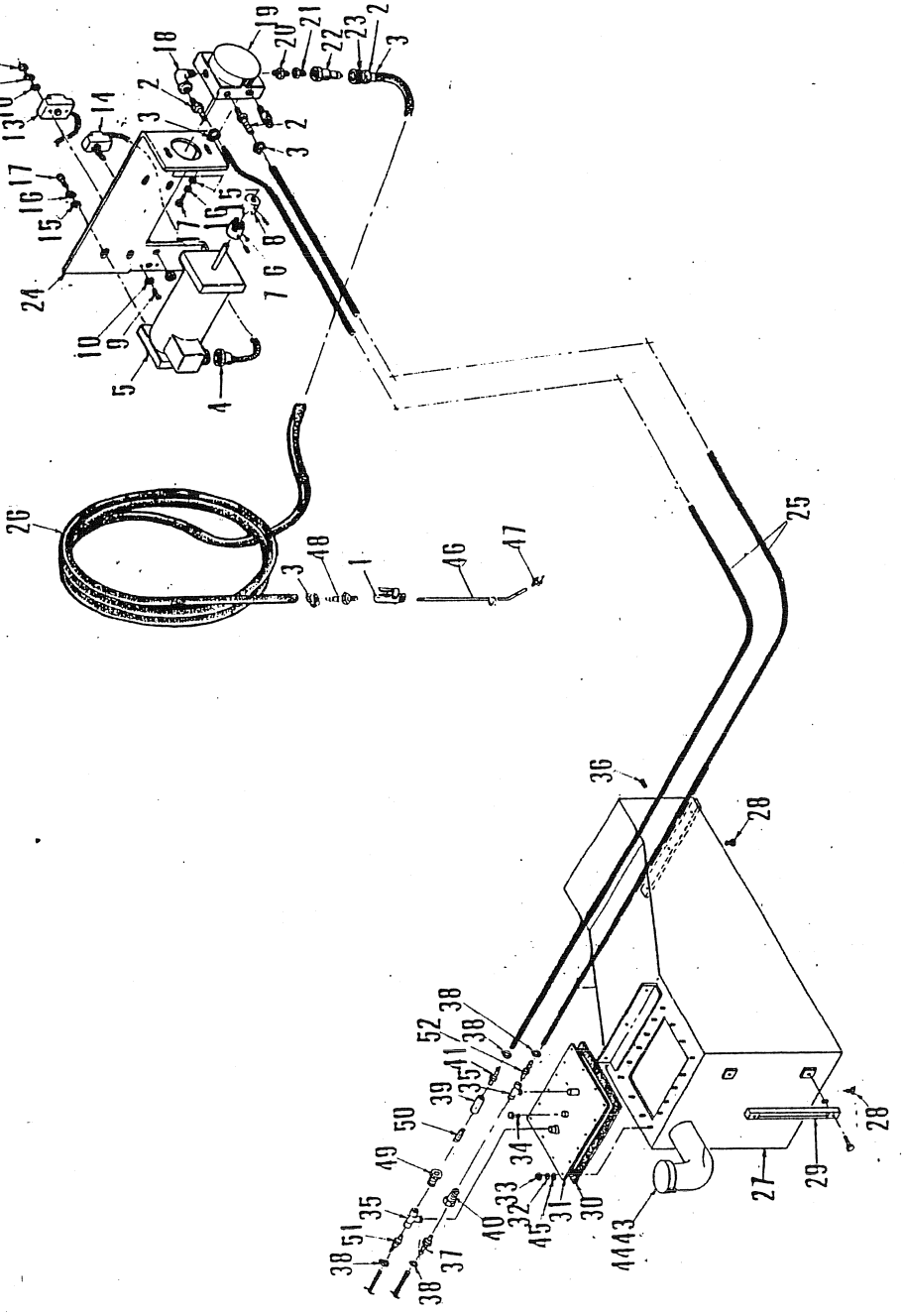


FRONT AND REAR AXLE ASSEMBLY
(131043-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1			
2	130488-03	LINKAGE PIVOT	4
3	130487-03	LINKAGE ARM	4
4	130087-01	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
(136030-01)

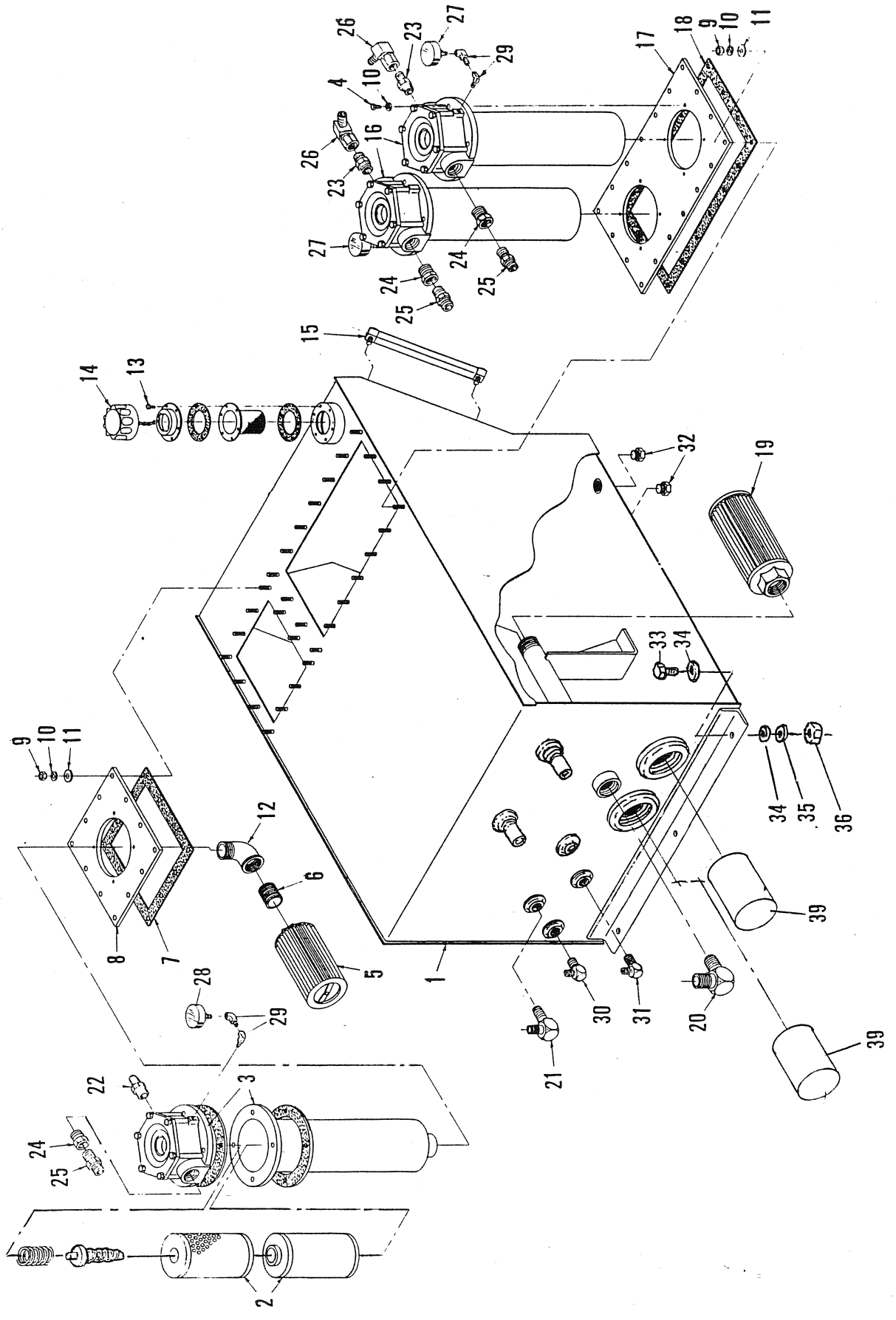


FUEL TANK AND WASHDOWN ASSEMBLY
(136030-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	128842	HAND SHUT OFF	1
2	80349-04	BARB FITTING	3
3	45228	3/8 HOSE CLAMP	4
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	2
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	4
16	83065	1/4 LOCK WASHER	4
17	89988-04	1/4 - 20 X 3/4 HEX HD. BOLT	4
18	84213-04	1/4 NPT STREET ELL.	1
19	80339-03	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	18'
26	80132-04	3/8 WASHDOWN HOSE	50'
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

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	80349-04	1/4 NPT X 3/8 BARB	1
42			
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	80553-04	FITTING - BARB 1/8 NPT X 3/8 I.D.	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			
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HYDRAULIC TANK ASSEMBLY
(129268-01)

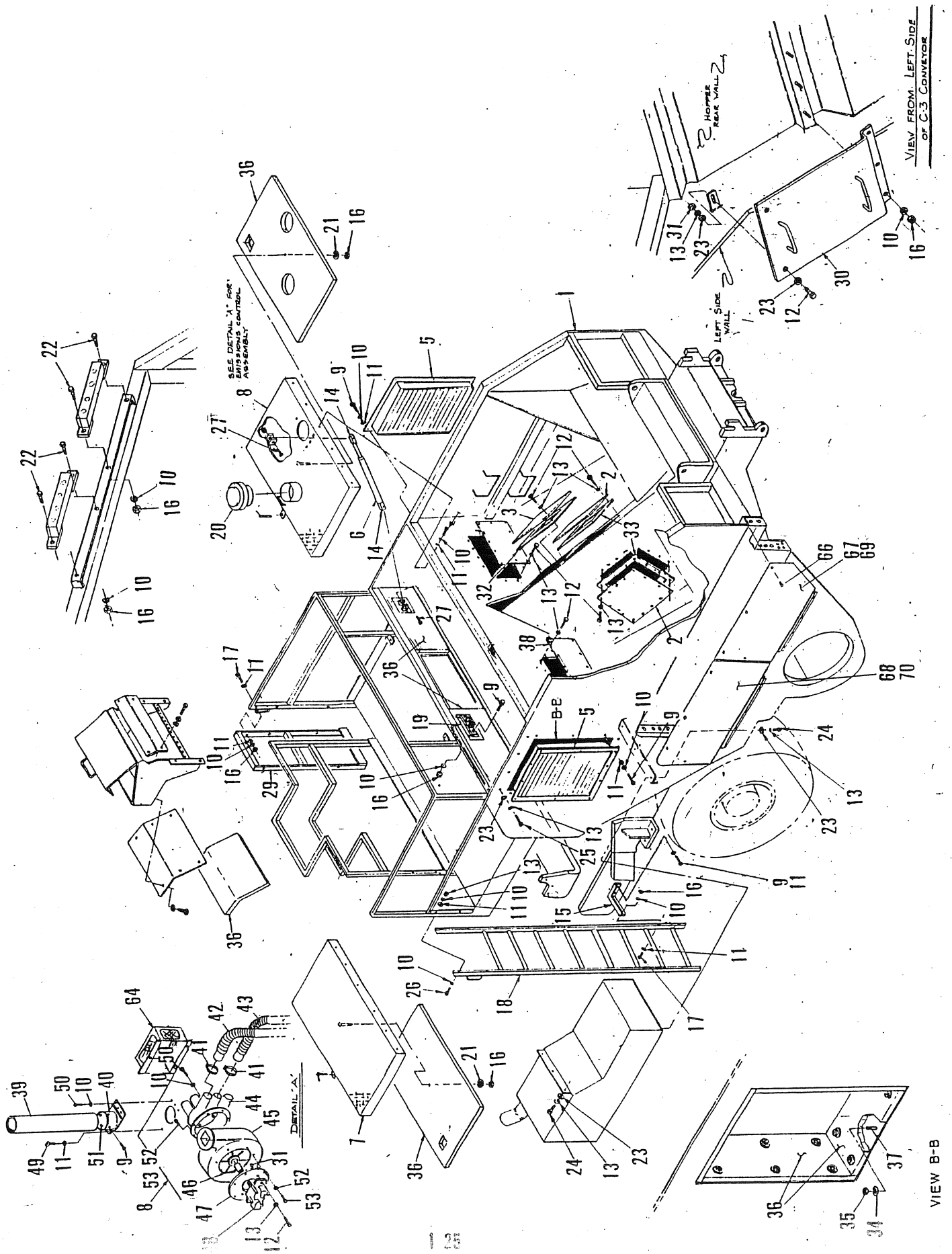


HYDRAULIC TANK ASSEMBLY
(129268-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	135221-01	HYDRAULIC TANK WELDMENT	1
2	29G40	FILTER	6
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
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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MAINFRAME ASSEMBLY
(134683-01)



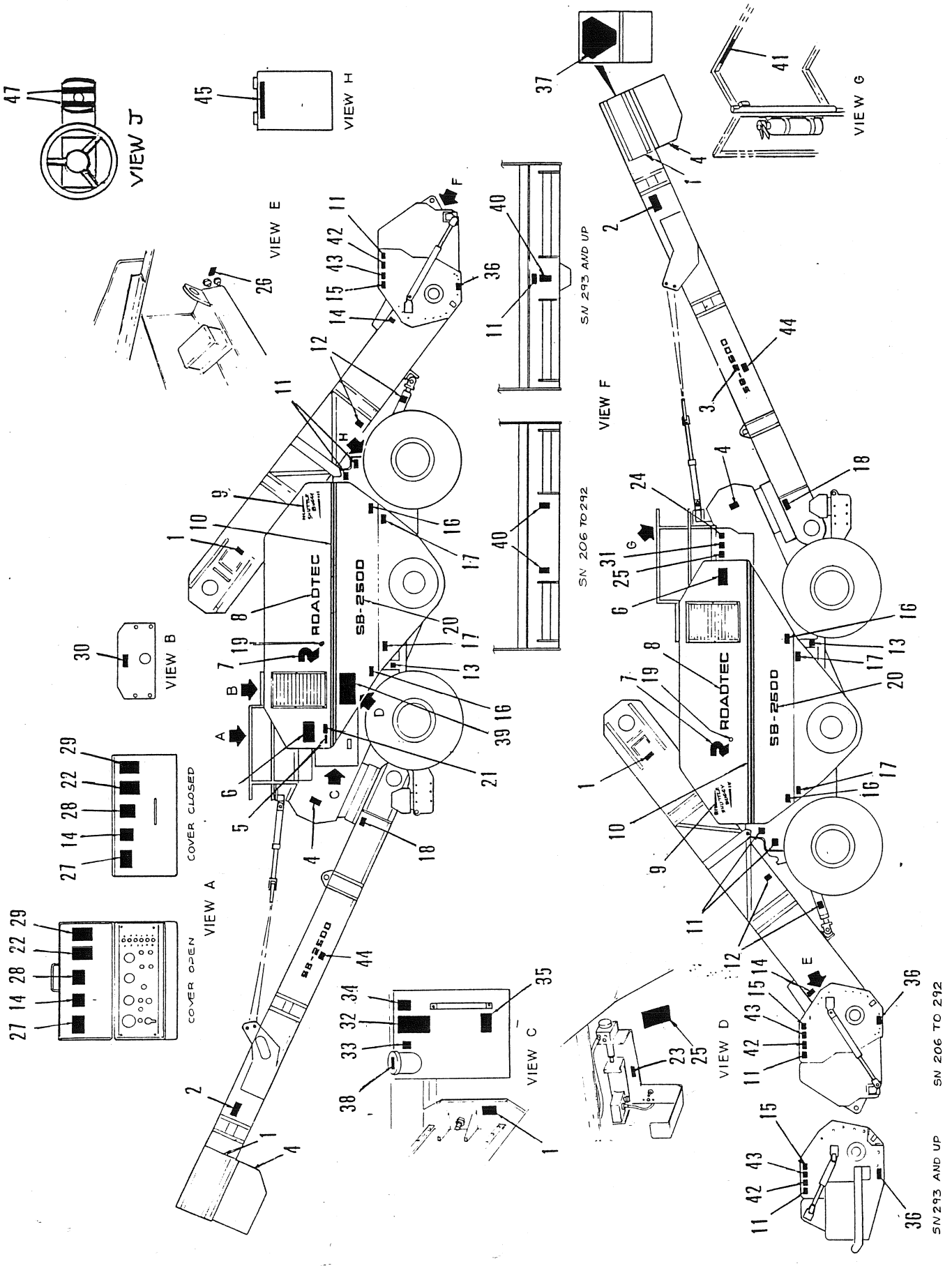
MAINFRAME ASSEMBLY
(134683-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	129100-01	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	129095-01	4" HOSE X 15 FT. LG.	REF.
44	129114-03	BLOWER COLLECTOR WELDMENT	1
45	124952-04	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
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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
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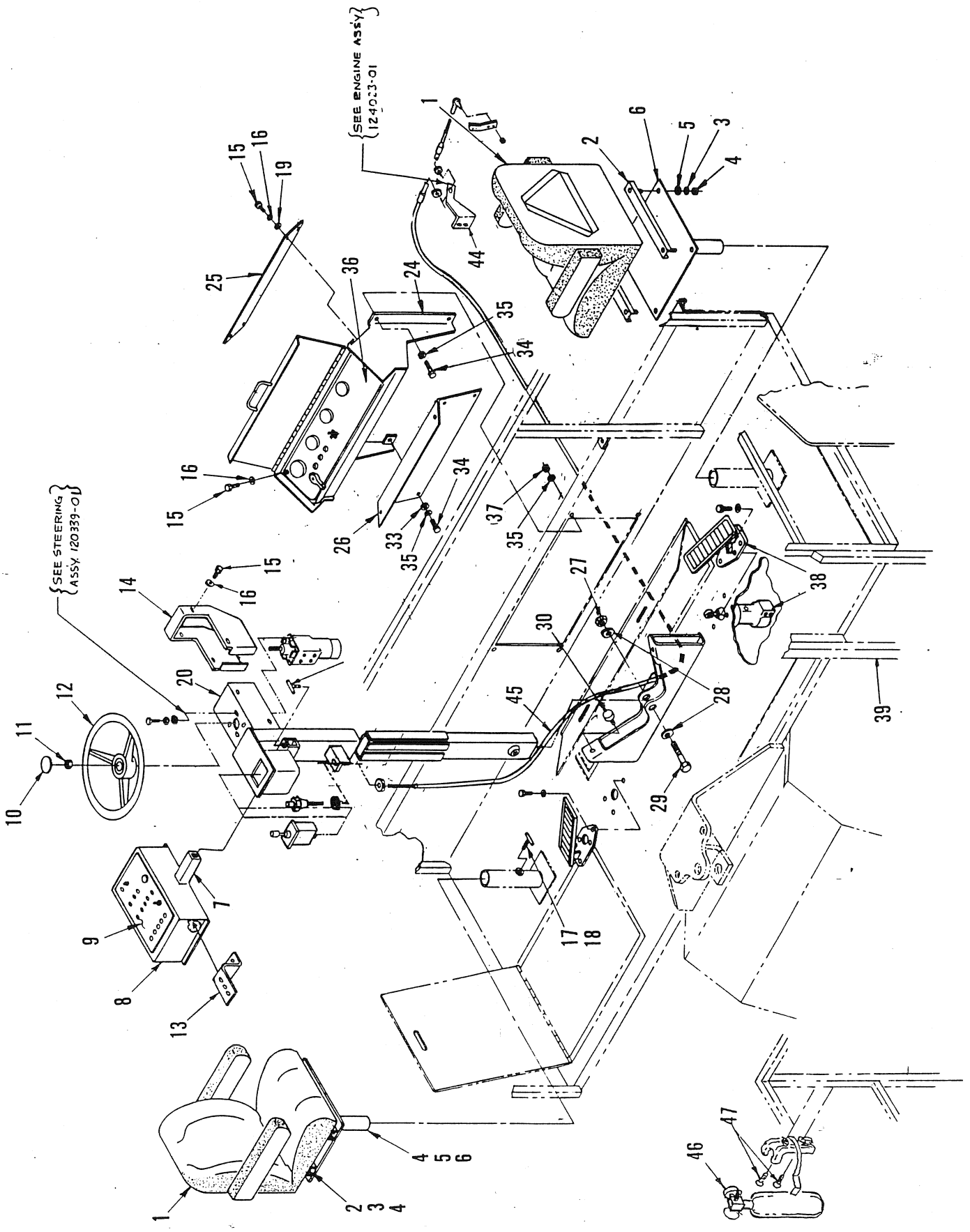
DECALS AND MARKINGS
(123894-01)



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)

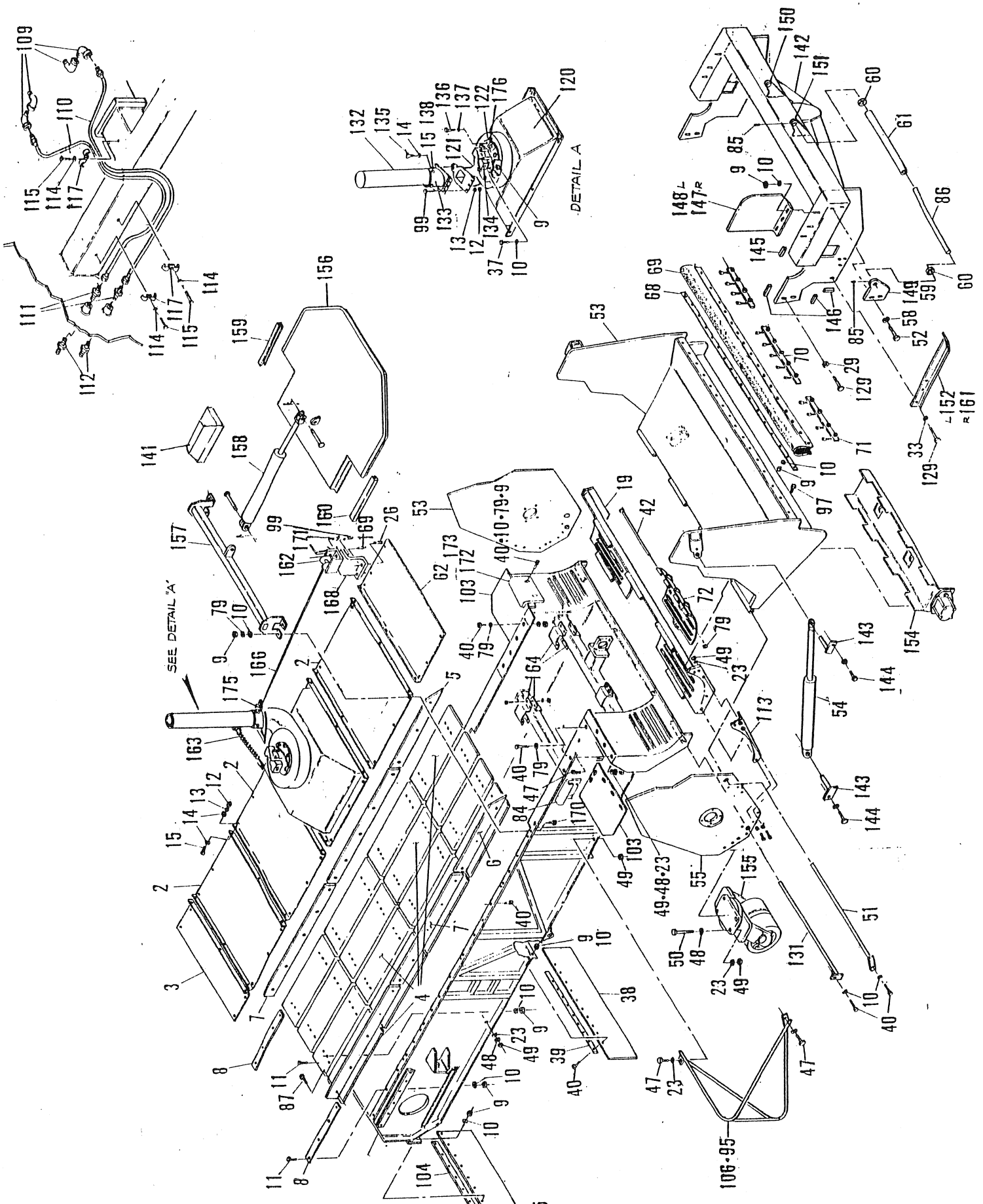


OPERATORS STATION
(124022-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	27 X 58	SEAT W/BOLT KIT	2
2	80292	SINGLE LOCKING ADJUSTER	2
3	87328-04	LOCK WASHER - 5/16	8
4	87953-04	HEX NUT - 5/16 - 18	16
5	90871	FLAT WASHER - 5/16	8
6	99433-03	UPPER SEAT BRACE	2
7	120273-02	OPERATORS BOX BRACKET	1
8	120203-01	OPERATORS CONTROL BOX	1
9	99953-01	DATA PLATE - OPERATORS CONTROL BOX	REF
10	03915	STEERING WHEEL CAP	REF
11	89045	STEERING COLUMN NUT	REF
12	03913	STEERING WHEEL	REF
13	121388-02	BRACKET - INSIDE OPERATORS STATION	1
14	99496-01	STEERING COMUMN COVER	1
15	89988-04	HEX BOLT - 1/4 - 20 X 3/4	10
16	83065	LOCK WASHER - 1/4	10
17	99523-04	TEE BOLT	2
18	83781-04	FLAT WASHER - 1/2	4
19	84444	FLAT WASHER - 1/4	4
20	122425-01	UPPER OPERATORS STATION	1
21			
22	99521-04	TEE BOLT	2
23	99419-03	LOWER OPERATORS STATION	1
24	120199-01	CENTER CONSOLE WELDMENT	1
25	120200-03	CENTER CONSOLE REAR COVER	1
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	1
30	06535	RUBBER BUFFER - 50 X 21 MED.	2
31	84444	FLAT WASHER - 1/4	4
32	83113	HEX BOLT - 1/4 - 20 X 1	4
33	83757	FLAT WASHER - 3/8	6
34	84332	HEX BOLT - 3/8 - 16 X 1	14
35	83056	LOCK WASHER - 3/8	19
36	99450-01	DATA PLATE - CENTER CONSOLE	REF

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
37	83055	HEX NUT - 3/8 - 16	4
38	99365	BRAKE ACTUATOR VALVE	REF
39	99280-02	LADDER	REF
40			
41			
42	121435-04	THROTTLE EXTENSION	1
43	121402-03	THROTTLE CLAMP BRACKET	REF
44	124008-02	THROTTLE BRACKET (ENGINE ASS'Y)	REF
45	123966	THROTTLE CABLE 120" 3" TRAVEL	1
46	99583	FIRE EXTINGUISHER	1
47	84779	CSK BOLT - 1/4 - 20 X 1" LG. GR. 8	2
48	133458-01	MIRROR ASSEMBLY	1

C-1 CONVEYOR ASSEMBLY
(134682-01)

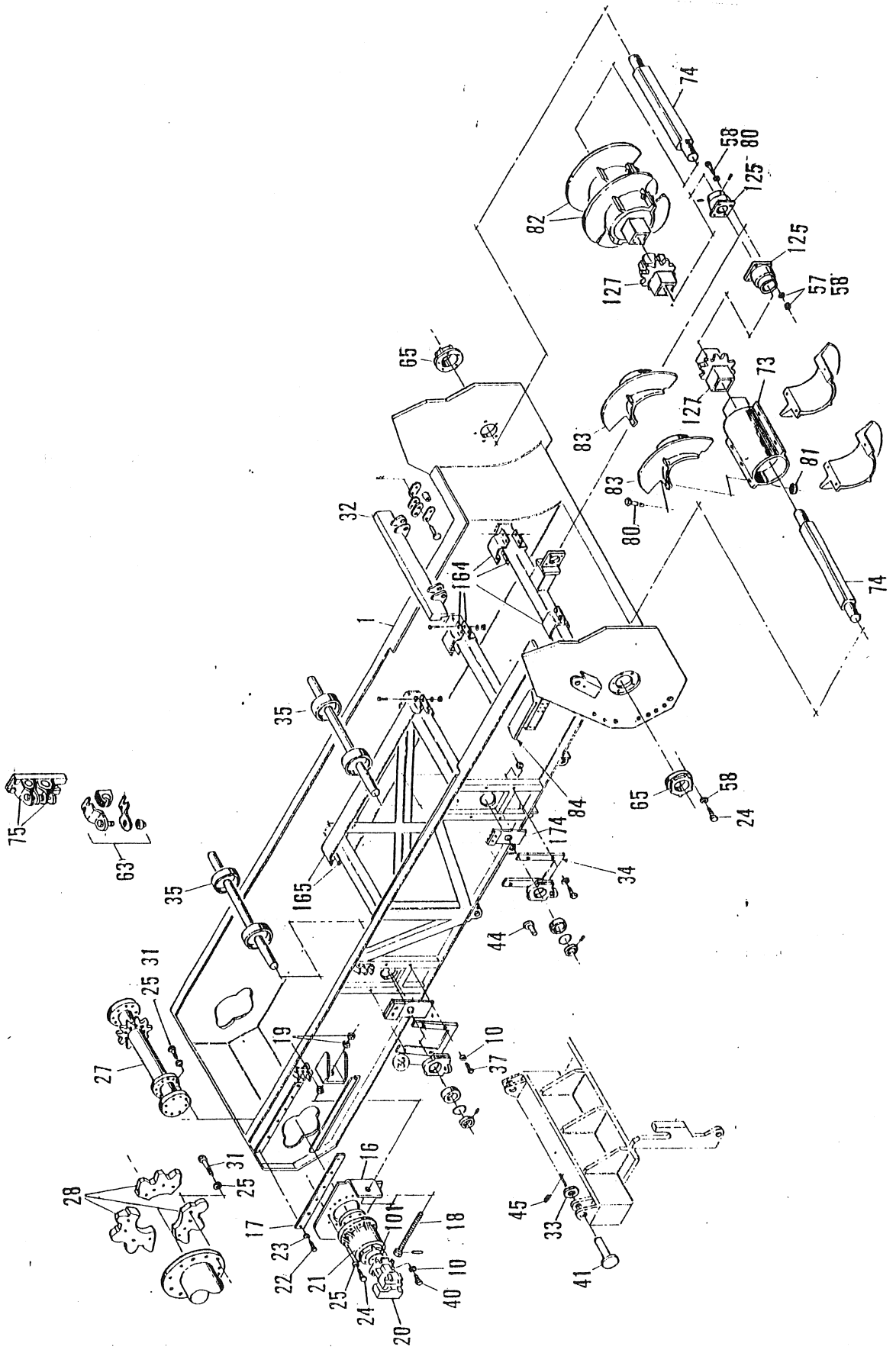


C-1 CONVEYOR ASSEMBLY
(134682-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	128161-01	C1 CONVEYOR WELDMENT	1
2	133945-01	COVER PLATE	3
3	122765-02	COVER PLATE	1
4	98961-03	WEAR PLATE (BOTTOM)	16
5	99314-03L	WEAR PLATE (L.H. SIDE)	1
6	99314-03R	WEAR PLATE (R.H. SIDE)	1
7	99312-03	WEAR PLATE (SIDES)	4
8	99056-03	WEAR BAR	2
9	83288	HEX NUT - 1/2 - 13	153
10	83317	LOCK WASHER - 1/2	180
11	29C18	COUNTERSINK BOLT - 1/2 - 13 X 1 3/4 LG.	40
12	83055	HEX NUT - 3/8 - 16	42
13	83056	LOCK WASHER - 3/8	22
14	83757	FLAT WASHER - 3/8	18
15	84332	HEX HEAD BOLT - 3/8 - 16 X 1 LG.	19
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	29E38	TORQUE HUB	2
22	89143	HEX HEAD BOLT - 5/8 - 11 X 1-3/4 LG	16
23	84717	LOCK WASHER - 5/8	120
24	93723	HEX HEAD BOLT - 3/4 - 10 X 2 1/2	20
25	95937	HARDWASHER - 3/4	36
26	84674	HEX HEAD BOLT - 1/2 - 13 X 2 LG.	9
27	99143-01	HEAD SHAFT	1
28	130421-01	SPROCKET	2
29	93122	HEX HEAD BOLT - 5/8 - 11 X 2 1/4 LG GD. 8	32
30	26F83	HARDWASHER - 5/8	16
31	122336	HEX HEAD BOLT - 3/4 -16 X 3 LG.	16
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.	12
38	99158-03	FLASHING	1
39	99159-03	CLAMP BAR	1
40	93144	HEX HEAD BOLT - 1/2 - 13 X 1 1/2 LG.	51
41	99165-04	PIVOT PIN	2
42	128297-03	HINGE PIN CLEAN - OUT DOOR	1
43			
44			
45	27D87	COTTER PIN - 3/8 X 3 - 1/2 LG.	6

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	29E83	HYDRAULIC CYLINDER W/ PINS	2
47	84778	HEX HEAD BOLT - 5/8 - 11 X 1 1/2 LG	18
48	85147	FLAT WASHER - 5/8	24
49	85148	HEX NUT - 5/8 - 11	35
50	86164	HEX HEAD BOLT - 1/2 - 13 X 1 1/4	21
51	99183-03	PIVOT PIN	2
52	OO891	HEX HEAD BOLT - 3/4 - 10 X 1 3/4 LG. GD. 8	4
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	93189	HEX HEAD BOLT - 3/4 - 10 X 2 1/4 LG.	12
57	84071	HEX NUT - 3/4 - 10	4
58	83752-04	LOCK WASHER - 3/4	24
59	130588-02	PUSH ROLLER / TRUCK HITCH - END LUG LEFT	2
60	84734-04	ROLLER BEARING	4
61	129473-02	PUSH ROLLER	2
62	122767-01	COVER PLATE	1
63	11K77	1" TUBE CLAMP	4
64			
65	122266-04	BEARING	2
66			
67	95674	HEX HEAD BOLT - 3/8 - 16 X 3 1/2 LG.	16
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	8
76			REF.
77	128267-04	CYLINDER PIN	2
78	83754	HEX HEAD BOLT - 1/2 - 13 X 1 LG.	108
79	83781	FLAT WASHER - 1/2	147
80	95834	HEX HEAD BOLT - 3/4 - 10 X 4 LG.	12
81	88164	LOCK NUT - 3/4 - 10	12
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	2
85	97541	SET SCREW - 3/8 - 16 UNC X 1 LG.	4
86	129477-03	PUSH ROLLER SHAFT	2
87	121835	COUNTERSINK BOLT - 5/8 - 11 X 2 LG.	24
88	128215-02	CYLINDER GUARD	1
89			
90			

C-1 CONVEYOR ASSEMBLY
(134682-01)

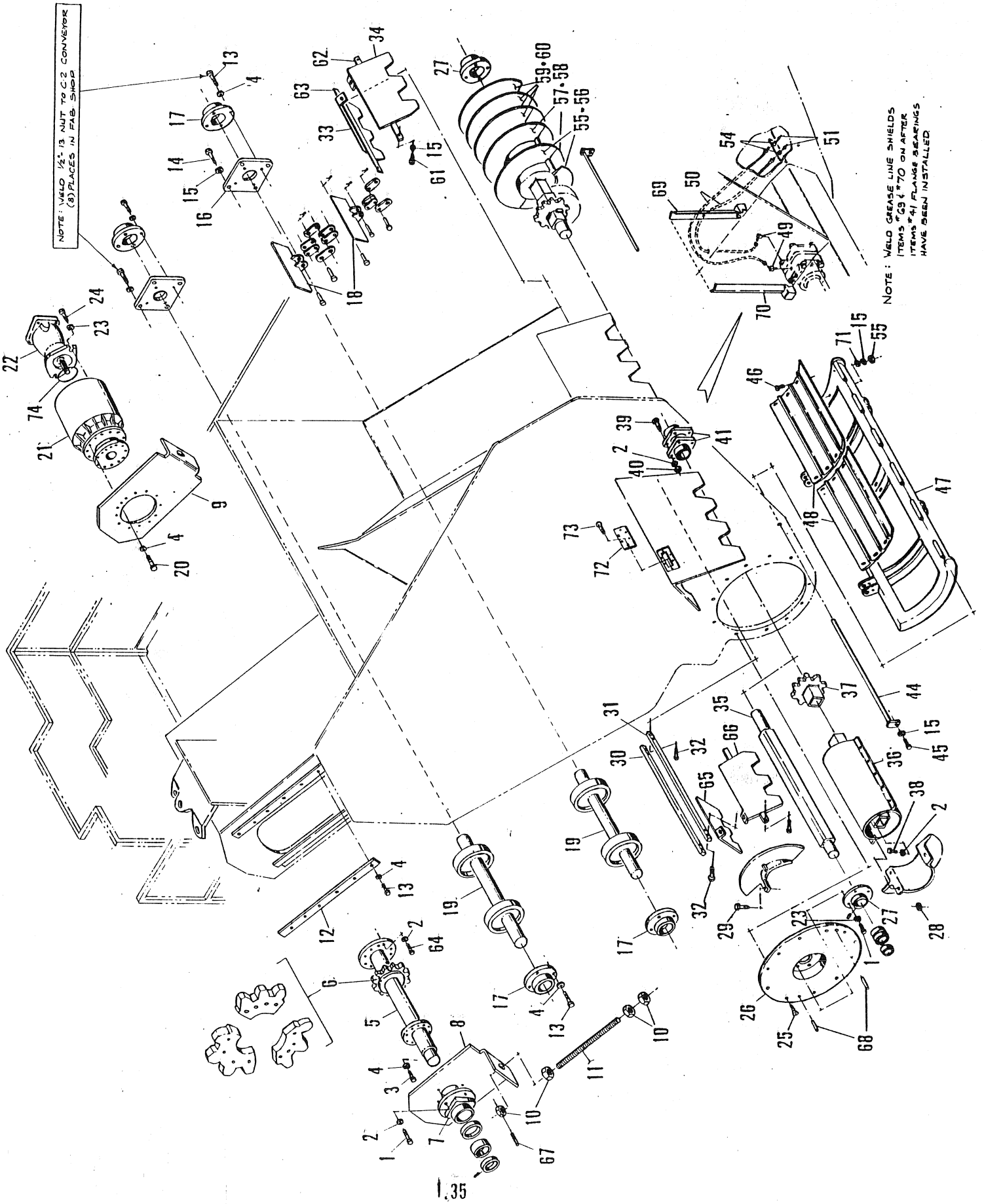


C-1 CONVEYOR ASSEMBLY
(134682-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
91			
92			
93			
94			
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	4
98	10D63	HARDWASHER - 1/2	4
99	96476	HEX HEAD BOLT - 3/8 - 16 X 1 1/4 LG	6
100	OO969	KEYSTOCK - 1/4 X 1/4 X 1 LG.	1
101	97489	" O " - RING	2
102			
103	123726-03	CONTROL COVER GUARD	2
104	99579-03	CLAMP BAR	1
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	122635	HEX NUT - 3/4 - 10	4
109	86093-04	ST. ELBOW 90 1/8 NPT	4
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	83416	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			
117	80539-04	TIPPY CLIP (3/8 CONDUIT METAL)	6
118	83781-04	1/2" WASHER	1
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			
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	12
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	89987-04	WING BOLT	1
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	130587-01	4' PUSH ROLLER / TRUCK HITCH FRAME WLDT.	1
143	129484-03	CYLINDER PIN	4
144	86127-04	HEX HEAD BOLT - 3/8 - 16 X 3/4LG.	1
145	OO857	KEY STOCK - 3/4 SQ. X 2 1/2 LG.	2
146	OO857	KEY STOCK - 3/4 SQ. X 5 LG.	6
147	131546-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE LEFT	1
148	131547-02	PUSH ROLLER/ TRUCK HITCH SAFETY PLATE RIGHT	1
149	130720-02	PUSH ROLLER/ TRUCK - END LUG RIGHT	1
150	130589-02	PUSH ROLLER/TRUCK HITCH-INTERMEDIATE LUG LT	1
151	130719-02	PUSH ROLLER/TRUCK HITCH-INTERMEDIATE LUG RT.	1
152	131451-03 L	SKID RUNNERS	1
153	133349-01	C1 LIFT SAFETY SADDLE	4
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	131451-03 R	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	26C56	HEX BOLT - 1/2 - 13 X 2 1/4 LG.	1
170	89142	HEX BOLT - 1/2 - 13 X 1 3/4 LG.	3
171	96476	HEX BOLT - 3/8 - 16 X 1 1/4 LG.	1
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	134687-04	FAN INSPECTION COVER	1

C-2 CONVEYOR ASSEMBLY
(130518-01)

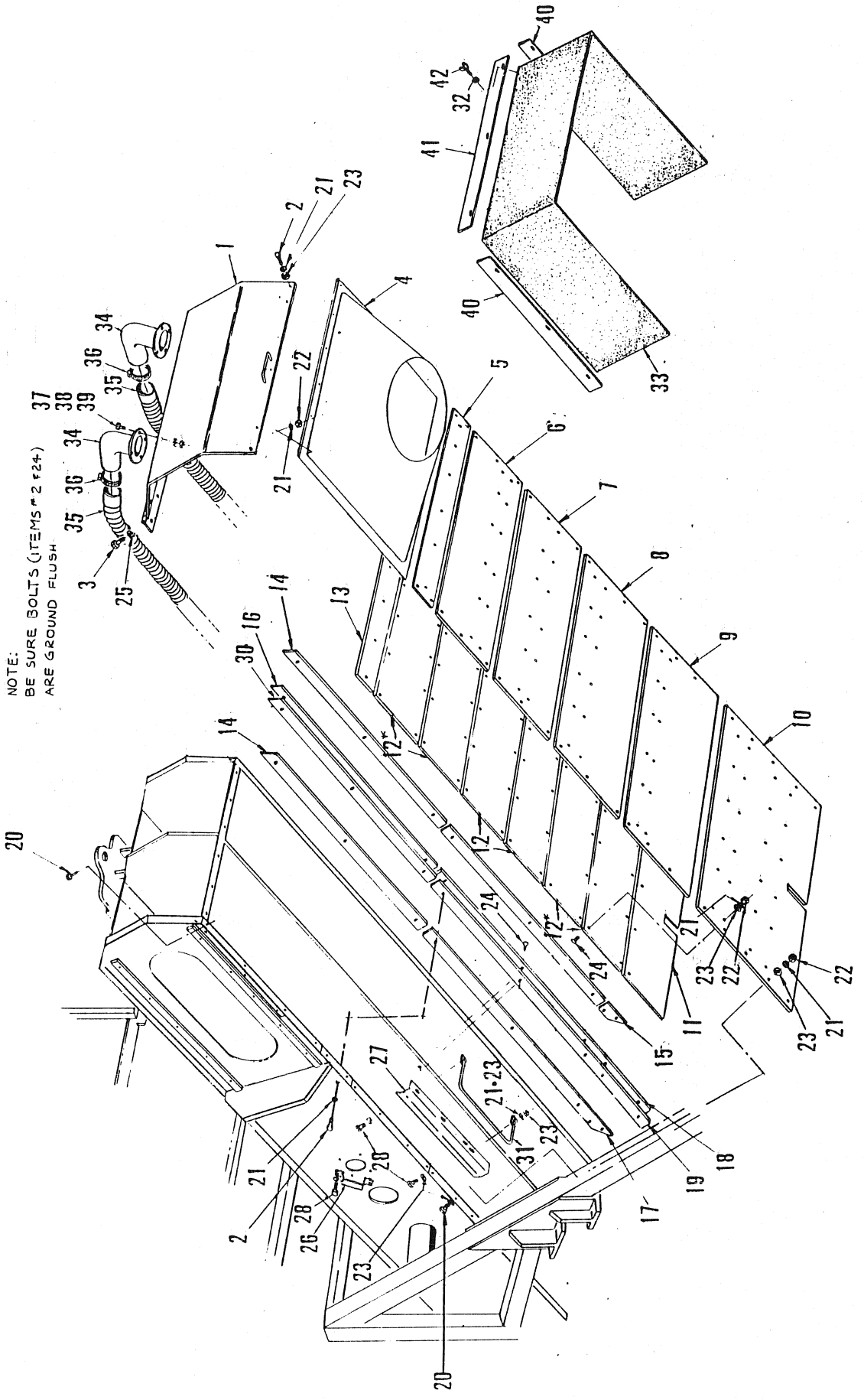


C-2 CONVEYOR ASSEMBLY
(130518-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	93071	3/4 - 10 X 2 GD. 8 HEX HEAD BOLT	4
2	83752-04	3/4 LOCK WASHER	20
3	89252	5/8 - 11 X 2 1/2 GD. 8 HEX HEAD BOLT	24
4	84717	5/8 LOCK WASHER	48
5	96087-01	HEAD SHAFT	1
6	130421-01	HEAD SHAFT SPROCKET 10 TOOTH	2
7	97350-04	FLANGE BEARING	1
8	135859-01	BEARING MOUNT TAKE UP PLATE (RIGHT)	1
9	135857-01	REDUCER MOUNT TAKE UP PLATE (LEFT)	1
10	83031	1 1/2 - 6 HEX NUT	8
11	99060-04	1 1/2 - 6 X 18 ALL THREAD BOLT	2
12	122419-03	KEEPER BAR	2
13	84778	5/8 - 11 X 1 1/2 GD. 5 HEX HEAD BOLT	22
14	89142	1/2 - 13 X 1 3/4 GD. 5 HEX HEAD BOLT	8
15	83317-04	1/2 LOCK WASHER	28
16	99364-03	BEARING MOUNTING PAD	2
17	88993-03	FLANGE BEARING	4
18	98808-02	C-2 CONVEYOR CHAIN ASS'Y	1
19	99363-01	IDLER SHAFT	2
20	89152	5/8 - 11 X 2 1/4 GD. 5 HEX HEAD BOLT	20
21	99890	PLANETARY (FAIRFIELD)	2
21	137209-04	PLANETARY (ESKRIDGE)	2
22	99889	C-2 HYDRAULIC MOTOR	REF.
23	26B48	3/4 HARD WASHER	4
24	26F18	3/4 X 2 3/4 HEX HEAD BOLT	4
25	128462	1/2 - 13 X 1 CSK. BOLT	24
26	120988-01	BEARING RETAINER END PLATE	2
27	29M98	FLANGE BEARING	2
28	88164	3/4 - 10 GD. 5 LOCK NUT	30
29	95834	3/4 - 10 X 4 GD. 5 SOCKET HD. BOLT	30
30	99891-02	REAR FLOWGATE TIE BAR 82 1/4	REF.
31	99892-02	FRT. FLOWGATE TIE BAR 81 1/4	REF.
32	90511	1/2 - 13 X 2 SOCKET HD. BOLT	8
33	99831-01	FLOWGATE REAR	REF.
34	99832-01	FLOWGATE FRONT	REF.
35	130507-01	FOOTSHAFT	2
36	122594-01	AUGER MOUNTING TUBE	2
37	130506-01	SPROCKET	2
38	OO891	3/4 - 10 X 1 3/4 GD. 8 HEX HEAD BOLT	2
39	12K35	3/4 - 10 X 1 GD. 8 HEX HEAD BOLT	4
40	84071-04	3/4 - 10 HEX NUT	4

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	29M97	FLANGE BEARING	2
42			
43	89034-04	LATCH PIN	2
44	99192-02	C-2 DOOR PIVOT PIN	2
45	84692	1/2 - 13 X 1 1/2 GD. 5 HEX HEAD BOLT	2
46	29C18	1/2 - 13 X 1 1 3/4 GD. 8 CSK BOLT	36
47	123051-01	HOPPER CLEAN OUT DOOR	1
48	123196-02	DOOR LINER	2
49	99509	1/8 NPT X 4 JIC 45	2
50	29M25	1/8 X 60 GREASE TUBE W/ 4 JIC SWIVEL ENDS	2
51	83416	1/8 NPT GREASE FITTING	2
52			
53	83288	1/2 - 13 HEX NUT	20
54	92792	1/8 NPT COUPLING	2
55	95997-01	AUGER - AA-906-7148C 12 1/2 P.	2
56	95998	AUGER - AB-906-7148C 12 1/2 P.	2
57	96003-01	AUGER - BA-906-7148C 8 3/4 P.	2
58	96004	AUGER - BB-906-7148C 8 3/4 P.	2
59	96005-01	AUGER - CA-906-7148C 5 3/8 P.	6
60	96006	AUGER - CB-906-7148C 5 3/8 P.	6
61	83754	1/2 - 13 X 1 HEX HEAD BOLT	8
62	98012-02	FRONT GUIDE BAR	REF.
63	98013-02	REAR GUIDE BAR	REF.
64	26C63	3/4 - 16 X 3 HEX HEAD BOLT	12
65	97991-01	FLOWGATE REAR	REF.
66	97992-01	FLOWGATE FRONT	REF.
67	90392	ROLLED PIN - 3/8 X 2 1/4	2
68	OO193	DOWEL PIN - 1/2 X 1 1/4	4
69	99502-03	GREASELINE SHIELD R.H.	1
70	99395-02	GREASELINE SHIELD L.H.	1
71	83781-04	1/2 FLAT WASHER	12
72	123413-03	COVER	1
73	92818	FLAT HD. SOC. HD. CAP SCREW 3/8 - 16 X 3/4 LG.	6
74	99929	O - RING	1
75	96724	SET SCREW - 3/4 -10 X 1	4
76	99403	1/2 - 13 UNC X 3/4 LG. CSK. BOLT (NOT SHOWN)	6

C-2 CONVEYOR PANEL ASSEMBLY
(130518-01)



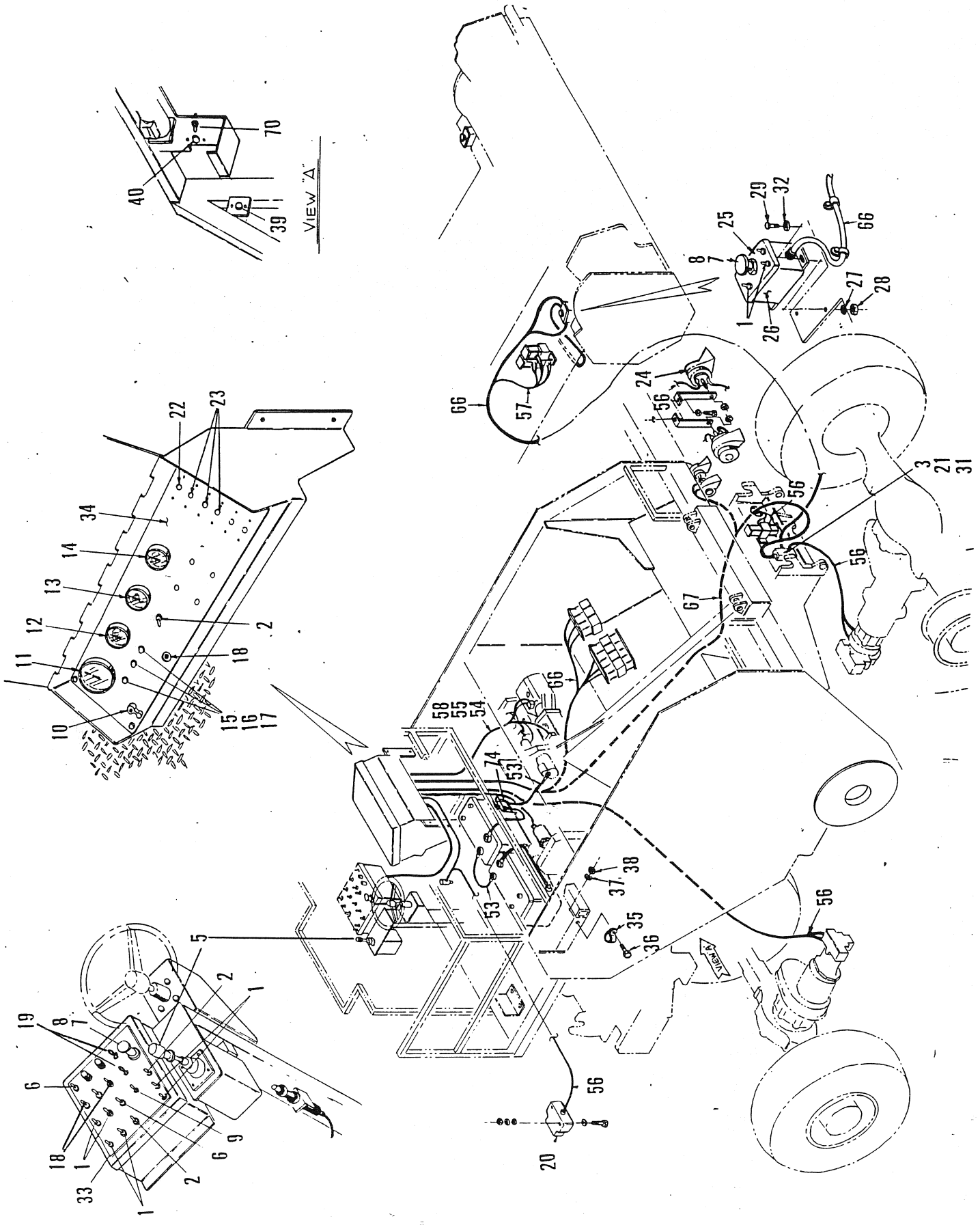
C-2 CONVEYOR PANEL ASSEMBLY
(130518-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	129103-01	C-2 ACCESS DOOR	1
2	83754	HEX BOLT - 1/2 - 13 X 1 1/4	16
3	89816	HEX BOLT - 3/8 - 16 X 1 1/4	7
4	129936-01	C-2 CONVEYOR CHUTE	1
5	99335-01-2	C-2 COVER PLATE	REF
6	99335-01-3	C-2 COVER PLATE	REF
7	99335-01-4	C-2 COVER PLATE	REF
8	99335-01-5	C-2 COVER PLATE	REF
9	99335-01-6	C-2 COVER PLATE	REF
10	99335-01-7	C-2 COVER PLATE	REF
11	99335-01-9	C-2 LINER PLATE	REF
12	BN-906-7143	C-2 LINER PLATE	REF
13	99335-01-10	C-2 LINER PLATE	REF
14	122780-03	C-2 WEAR PLATE	2
15	122779-03	C-2 WEAR PLATE	1
16	122782-03	C-2 WEAR PLATE	1
17	122531-03	C-2 WEAR PLATE	1
18	122781-03	C-2 WEAR PLATE	1
19	122783-03	C-2 WEAR PLATE	1
20	84692	HEX BOLT - 1/2 - 13 X 1 1/2 LG	34
21	83317	LOCKWASHER - 1/2	79
22	83288-04	HEX NUT - 1/2 - 13	63
23	83781-04	FLAT WASHER - 1/2	44
24	29C18	COUNTERSUNK BOLT - 1/2 - 13 X 1 3/4" LG	30
25	83056	LOCKWASHER - 3/8	7
26	120871-03	HOSE PROTECTOR BRACKET	1
27	120872-03	HOSE PROTECTOR PLATE	1
28	85941	HEX BOLT 1/2 - 13 X 2	4
29	99335-01	BOTTOM PLATES & LINERS	1
30	122784-03	C-2 WEAR PLATE	1
31	128188-01	HOSE GUARD	1
32	83757	3/8 FLAT WASHER	9
33			
34	129110-02	FLANGED EXHAUST ELBOW	2
35	125232	4" HOSE X 15 FT. LG	2
36	129000	4" HOSE CLAMP	2
37	89988-04	1/4" - 20 X 3/4 LG HEX HD BOLT	8
38	83065	1/4" LOCK WASHER	8
39	89772	1/4" HEX NUT	8
40			

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

ELECTRICAL

ELECTRICAL ASSEMBLY
(135812-01)

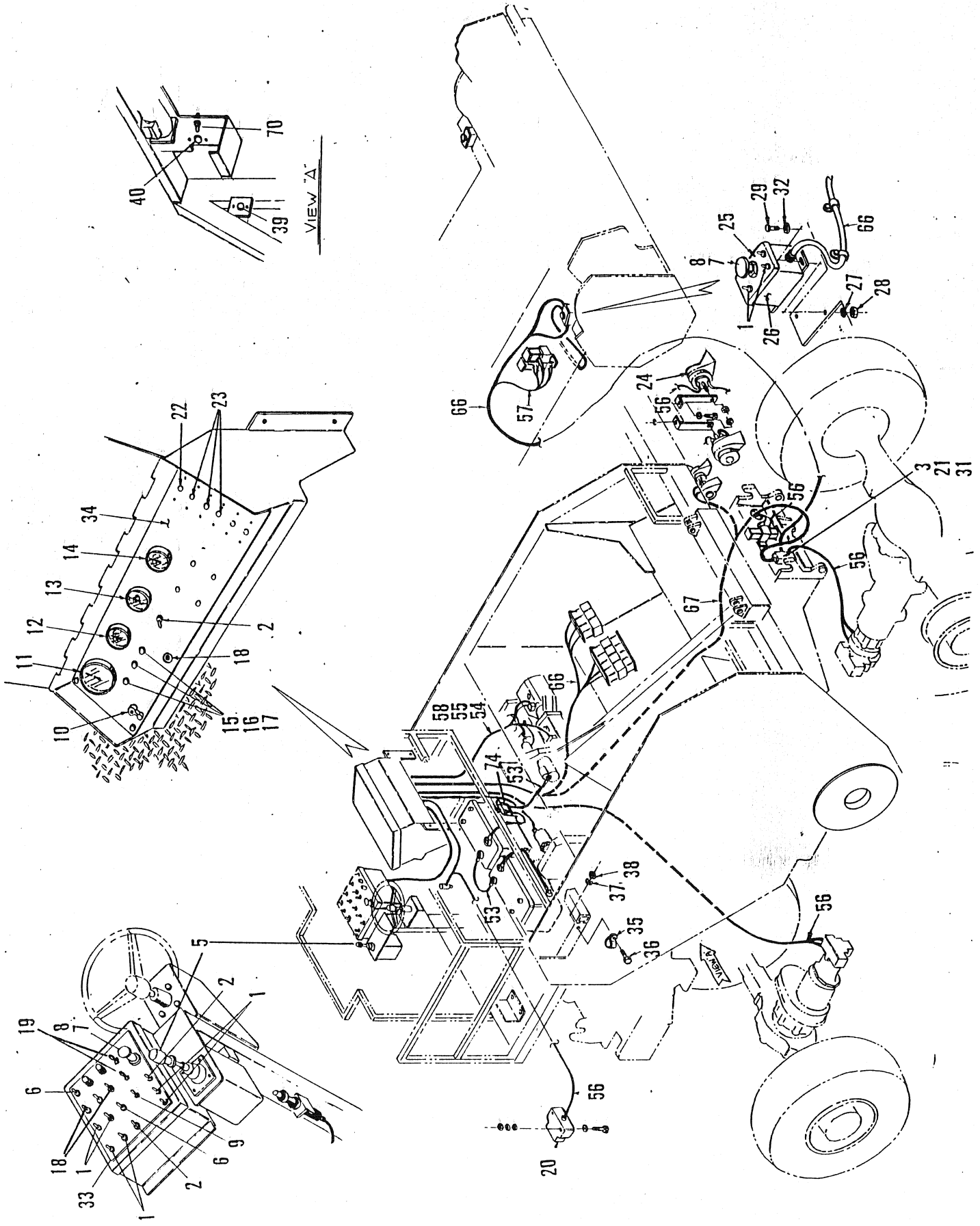


ELECTRICAL ASSEMBLY
(135812-01)

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

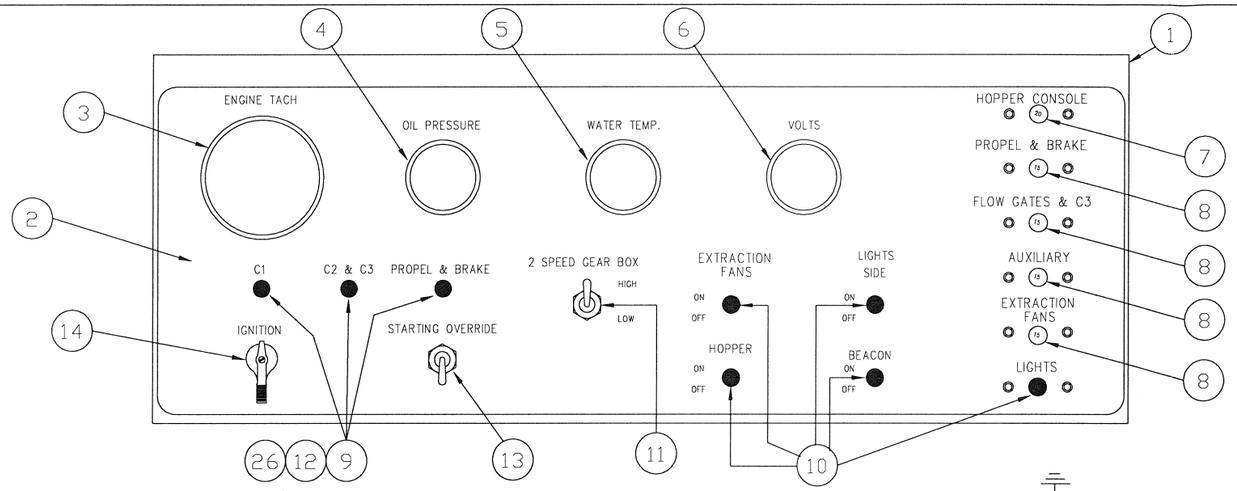
SB-2500 ELECTRICAL ASSEMBLY
(120903-01)



ELECTRICAL WIRING ASSEMBLY
(120903-01)

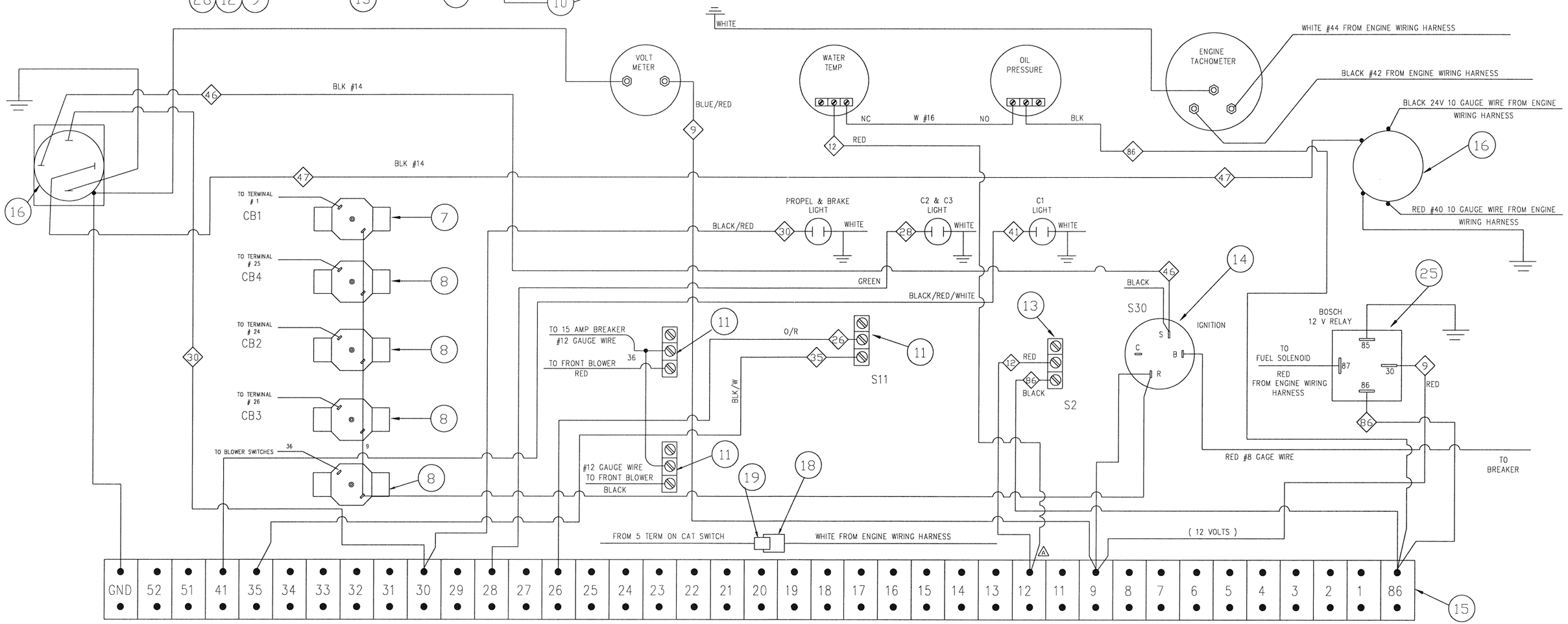
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	20P55	TOGGLE SWITCH	REF.
2	13E68	TOGGLE SWITCH	REF.
3	86947-04	JUNCTION BOX	1
4			
5	98204	ELECTRICAL CONTROL	1
6	97542	TOGGLE SWITCH	REF.
7	93251-04	EMERGENCY STOP SWITCH	REF.
8	93250-04	EMERGENCY STOP SWITCH	REF.
9	97678	TOGGLE SWITCH	REF.
10	92699-04	IGNITION SWITCH	REF.
11	91989-04	ENGINE TACHOMETER / 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	20 AMP BREAKER	REF.
23	13A04	15 AMP BREAKER	REF.
24	97779-04	HORN	1
25	131472-02	DATA PLATE	REF.
26	86947-03	DEEP HINGED COVER BOX	2
27	83065	1/4" LOCK WASHER	4
28	83115	1/4 - 20 UNC HEX NUT	4
29	89988-04	1/4 - 20 UNC X 3/4" LG. HEX HEAD BOLT	4
30	11S35	4D BATTERY	2
31	84196-04	CGB CONDUIT LOCK	1
32	84444	1/4" FLAT WASHER	4
33	121410-01	DATA PLATE	REF.
34	99450-01	DATA PLATE	REF.
35	99965	CLAMP 2 RUBBERIZED TUBE	2
36	84332	3/8 - 16 UNC X 1" LG. HEX HEAD BOLT	2
37	83056	3/8" LOCK WASHER	2
38	83055	3/8 - 16 UNC HEX NUT	2
39	20Z54	60 AMP CIRCUIT BREAKER	1
40	90930-04	40 AMP CIRCUIT BREAKER	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 CONNECTOR (NOT SHOWN)	1
44	127520	WEATHER PACK 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 GAUGE WIRE (NOT SHOWN)	396"
50	121393	2 CONDUCTOR 8 GAUGE WIRE (NOT SHOWN)	192"
51	95578	16 GAUGE WIRE (NOT SHOWN)	120"
52	86624-03	25 CONDUCTOR WIRE (NOT SHOWN)	276"
53	83995-04	BATTERY CABLE	180"
54	95019	10 GAUGE WIRE (NOT SHOWN COMPLETELY)	480"
55	87856-04	12 GAUGE WIRE (NOT SHOWN COMPLETELY)	540"
56	84316-04	2 CONDUCTOR 16 GAUGE WIRE (NOT SHOWN COMPLETELY)	600"
57	123232	5 CONDUCTOR 16 GAUGE WIRE (NOT SHOWN COMPLETELY)	72"
58	121103	15 CONDUCTOR WIRE (NOT SHOWN COMPLETELY)	420"
59	92498-04	16 GAUGE 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 CONDUCTOR WIRE (NOT SHOWN COMPLETELY)	564"
67	121564-04	25 CONDUCTOR 14 GAUGE HI-TEMP. WIRE (NOT SHOWN COMPLETELY)	300"
68	83648-04	3/8" RING TERMINAL (NOT SHOWN)	5
69	90093	RING TERMINAL 1/2 - 10 GAUGE (NOT SHOWN)	2
70	13E68	TOGGLE SWITCH	1
71	129390-01	CONTROLS ARRANGEMENT AND INTERCONNECTION DIAGRAM	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 - TACHOMETER WIRE	1
76	20P56	TOGGLE SWITCH	2
77	86505-04	3/8" INTERLOCK MOLDING (NOT SHOWN)	1 FT.
78	98550-04	1/2" INTERLOCK MOLDING (NOT SHOWN)	6 FT.
79	09399-04	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	20Z53	TOGGLE SWITCH
4	36	120275	RESISTOR ~ 75 OHM - 10 WATT
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"

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
8	11	13E68	TOGGLE SWITCH
3	12	128180	LIGHT ~ 12 VOLT
1	13	97542	TOGGLE SWITCH
1	14	92699-04	IGNITION SWITCH
70	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
13	27	20P55	TOGGLE SWITCH
2	28	97542	TOGGLE SWITCH
3	29	93251-04	PUSH BUTTON ~ EMERGENCY STOP



THIS DWG. REPLACES 122354-01 EFFECTIVE S/N 293

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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	795	6/22/96	EFF. SN 320, DELETE SWITCH #10 (HYD. 2 SPEED)	CMOORE	
B		7/18/96	ADDED ITEM 53. (SEE SHT. 4)	CMOORE	
C		3/27/97	ITEM 38 WAS 120276, ADDED ITEM 22	DLS	
D	~	3-19-02	ITEM (37) WAS 35Z99	JW	

ROADTEC

PART NAME CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

1 REQ'D PER SB-2500 | SHEET NO 1 OF 4 | FAB CODE 603 | EFFECTIVE S/N 293

DRAWN BY TW/LRC | CHECKED BY | DWG NO 129390-01 | REV. D

SCALE 1/2=1 | DATE 11-13-95

LEFT C1 CONTROL BOX

VIBRATOR — TRUCK HITCH

S25 — S24

BLK — G — W — R

12 V — BLK

G/BLK — W/BLK

PB1 EMER. STOP

TRUCK DUMP — C1 LIFT

S21 — S18

O — BLU — R/BLK — BLK/W

RIGHT C1 CONTROL BOX

VIBRATOR — TRUCK HITCH

S28 — S25

BLK — R — G — W

S22 TRUCK DUMP — S19 C1 LIFT

PB2 EMER. STOP

WIRE CONNECTION MALE/FEMALE

GROUND SCREW IN C1 J BOX

WIRES FROM ITEM #8: BLU/BLK, R/W, GROUND — TO HYDRAULIC TWO-SPEED: GROUND BLK, R

WIRES FROM ITEM #8: BLUE/BLACK — NO; ORANGE/BLACK — 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	R	W	G	BLU	O	BLK/W	R/BLK	W/BLK	G/BLK	BLU/W
12 V										G/W

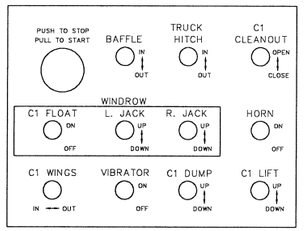
RED — BLACK — 2C #16 TO HORN

GROUNDING SCREW IN CONTROL BOXES AND JUNCTION BOX

- 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

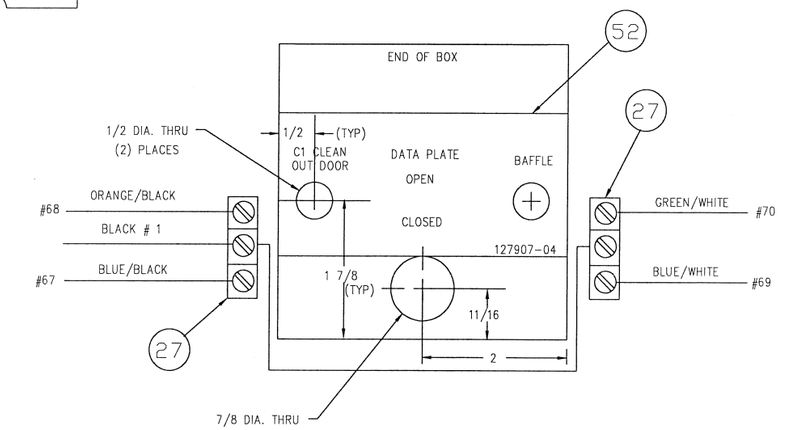
ITEM #8
TO OPERATORS CONSOLE

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

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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
C		3/27/97	SEE PAGE 1 & 4	DLS	
D	~	3-19-02	SEE PAGE 1	JW	

ROADTEC

PART NAME: CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

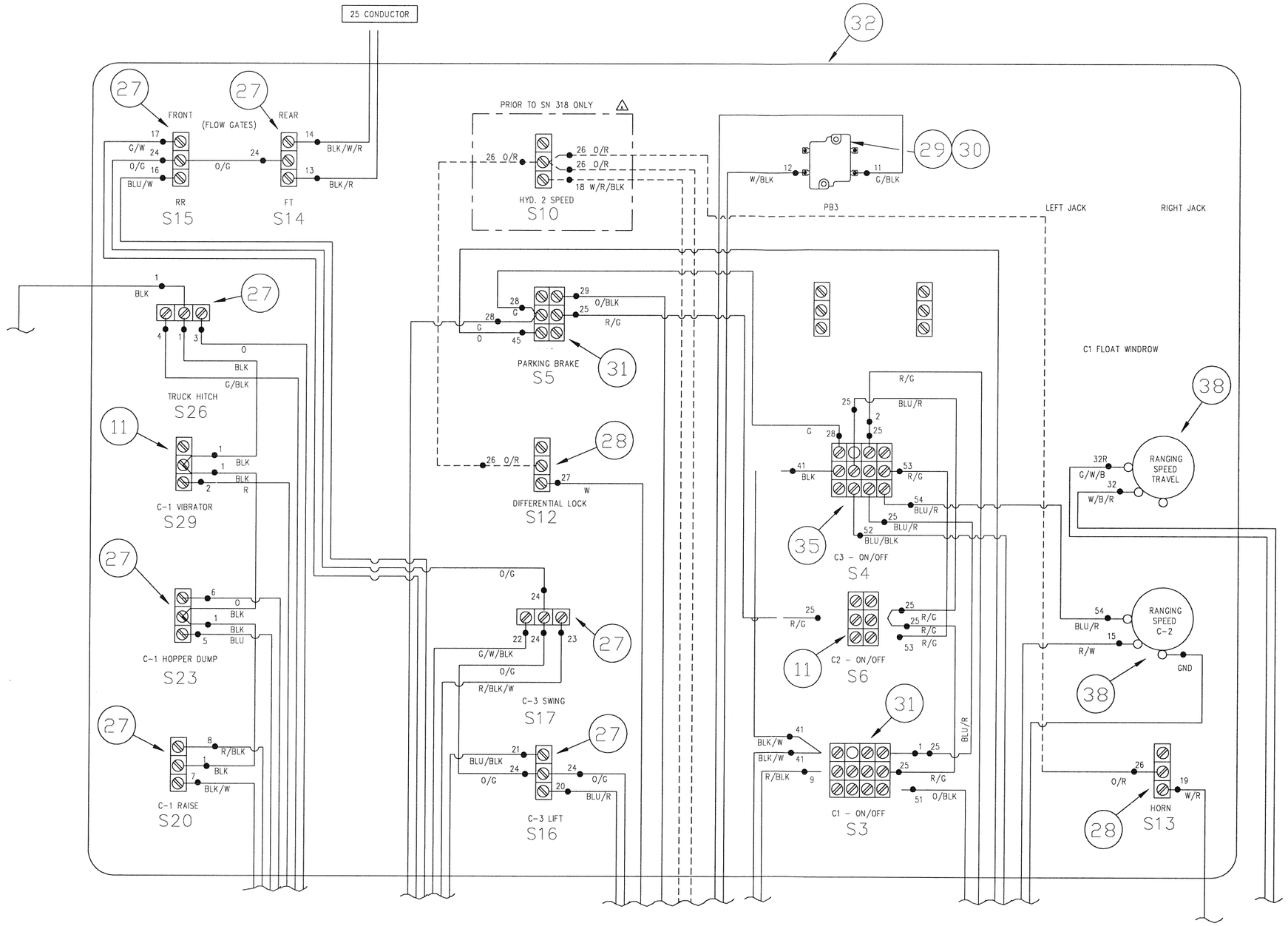
1 REQ'D PER: SB-2500

SHEET NO: 2 OF 4 | FAB CODE: 603 | EFFECTIVE S/N: 293

DRAWN BY: TW/LRC | CHECKED BY:

SCALE: 1/2=1 | DATE: 11-13-95

DWG NO: 129390-01 | REV: D



VIEW FROM BACK SIDE OF COVER

NOT TO SCALE

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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
E		3/27/97	SEE PAGE 1 & 4	DLS	
D	~	3-19-02	SEE PAGE 1	JW	

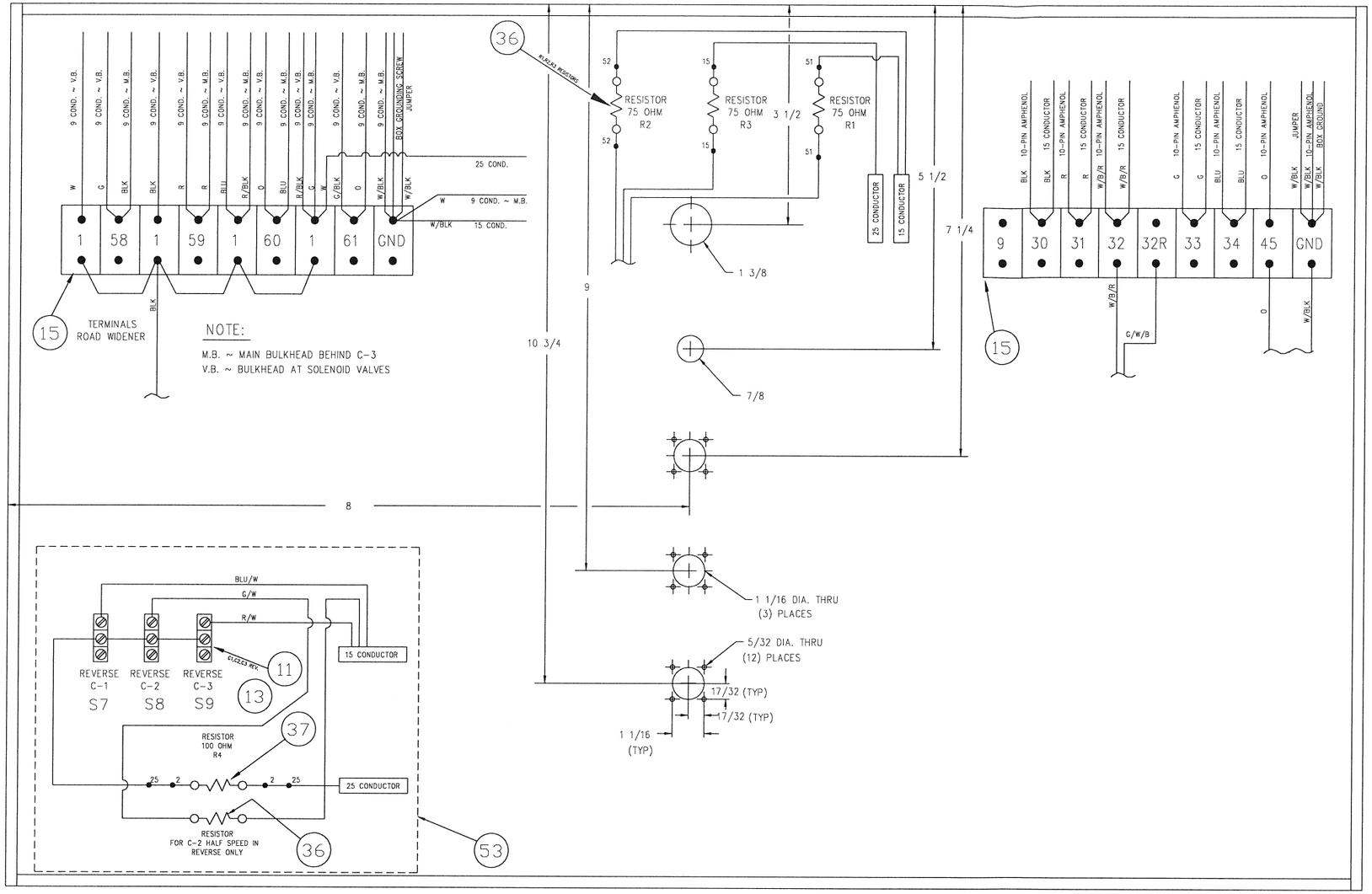
ROADTEC

PART NAME CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

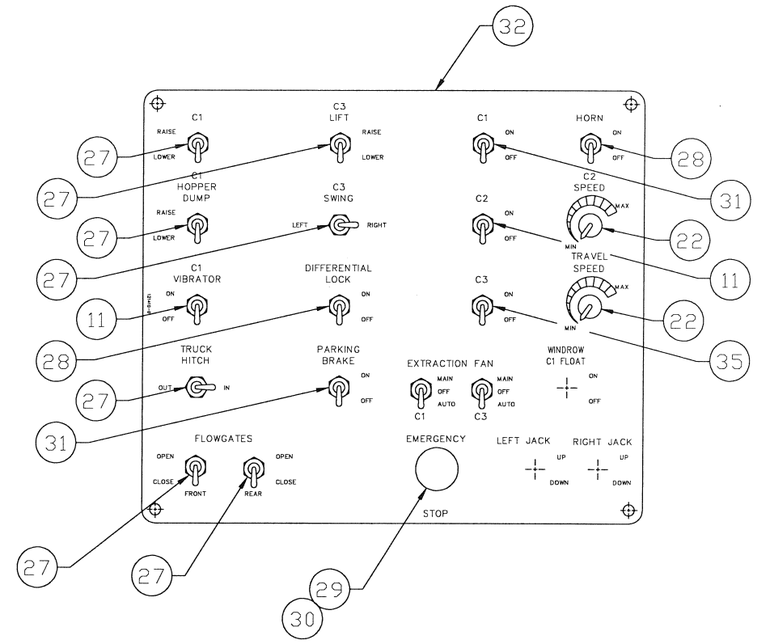
1 REQ'D PER SB-2500 | SHEET NO 3 OF 4 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY TW | CHECKED BY | DWG NO 129390-01 | REV. D

SCALE 1/2=1 | DATE 11-29-93



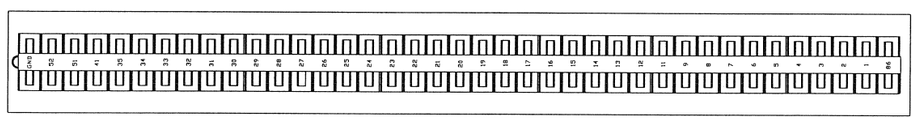
BOTTOM INSIDE OF BOX



CONTROL BOX COVER

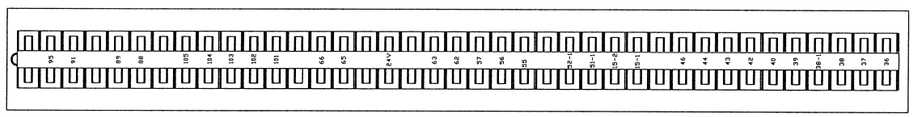
SCALE: 1/2=1
FOR DETAILS SEE 121410-01

(39 TERMINAL BLOCKS)



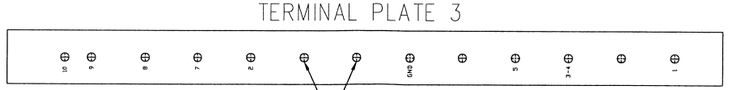
TERMINAL PLATE 1
(39 TERMINAL BLOCKS)

(39 TERMINAL BLOCKS)



TERMINAL PLATE 2
(39 TERMINAL BLOCKS)

TERMINAL PLATE 3



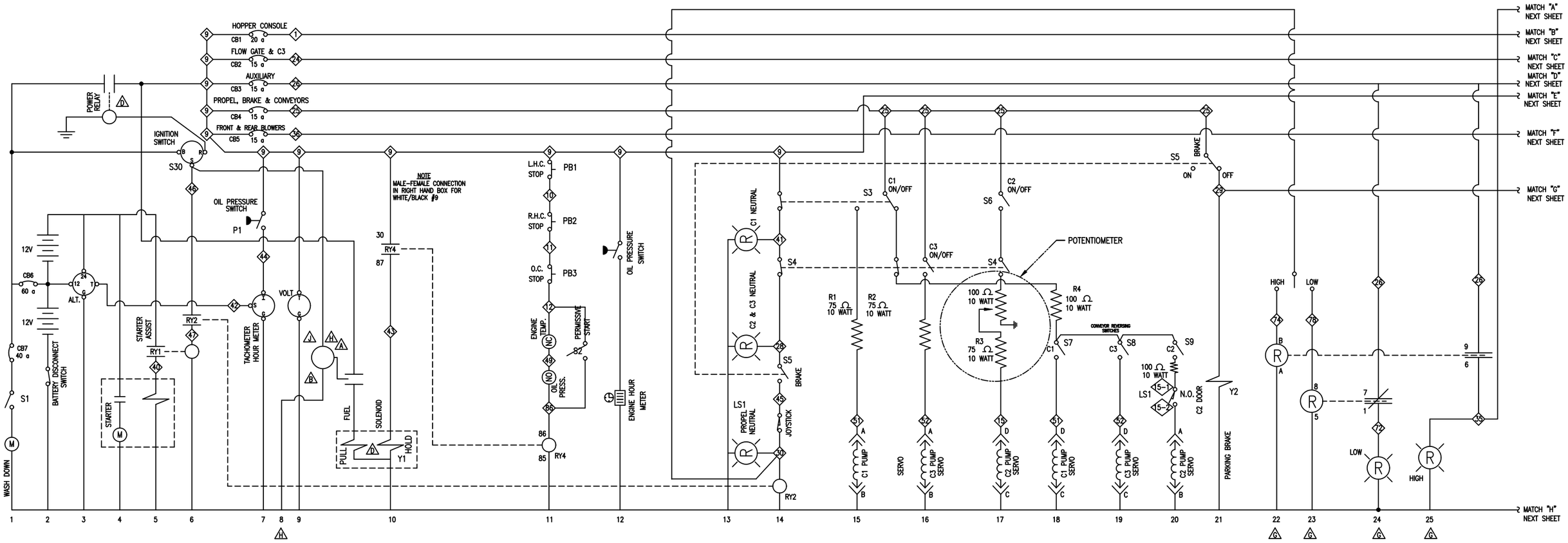
all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
B		7/18/96	ADDED ITEM 53.	CMOORE	
C		3/27/97	CORRECTED BALLOON TO POT KNOBS	DLS	
D	~	3-19-02	SEE PAGE 1	JW	

ROADTEC

PART NAME CONTROLS ARRANGEMENT & INTERCONNECTION DIAGRAM

1 REQ'D PER SB-2500	SHEET NO 4 of 4	FAB CODE 603	EFFECTIVE S/N 293
DRAWN BY TW/LRC	CHECKED BY	DWG NO 129390-01	REV. D
SCALE 1/2=1	DATE 11-13-95		



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	

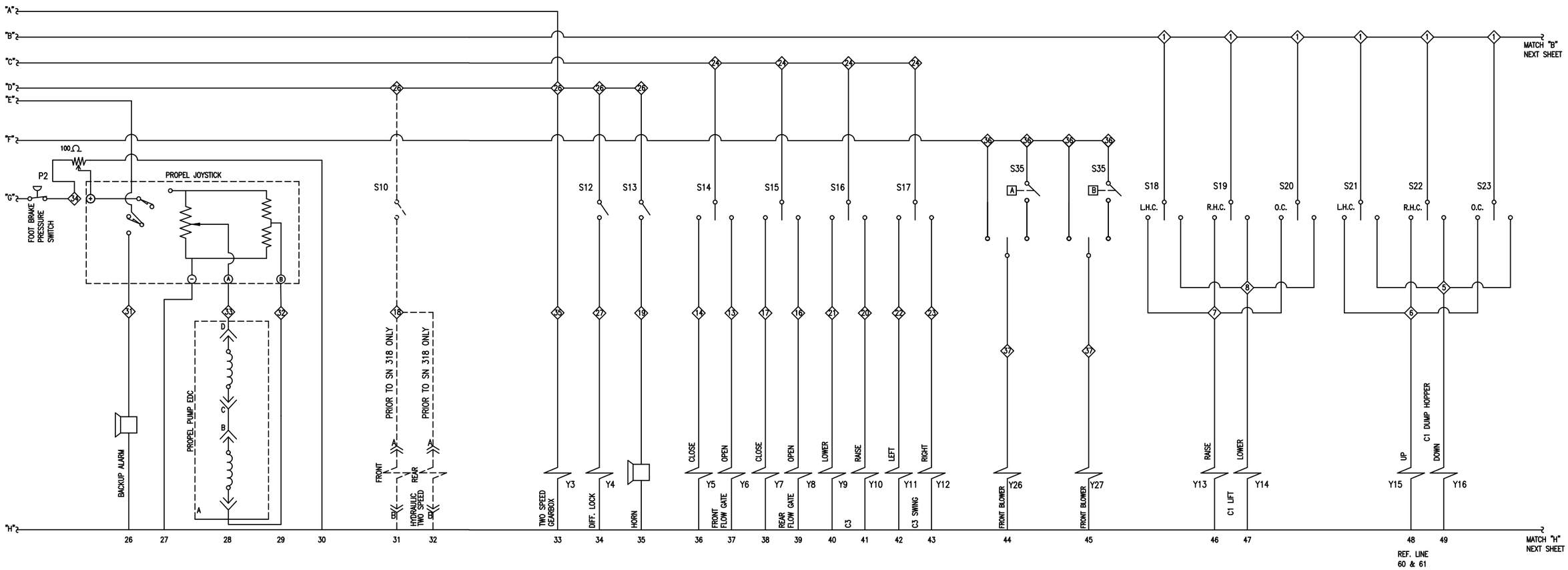
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		12-95	100 RESISTOR WAS 75 RESISTOR	DD	
B		6-4-96	ADDED WINDROW JACK CONTROL & C1 FLOAT	CMOORE	TW
C			FOR WINDROW PICKUP HEAD OPTION	CMOORE	TW
D	795	6-22-96	ADDED NOTE FOR HYD 2 SPEED CONTR, SER 320	CMOORE	TW
E		8-26-97	ADD POWER RELAY, MOVE PROPEL SPEED 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



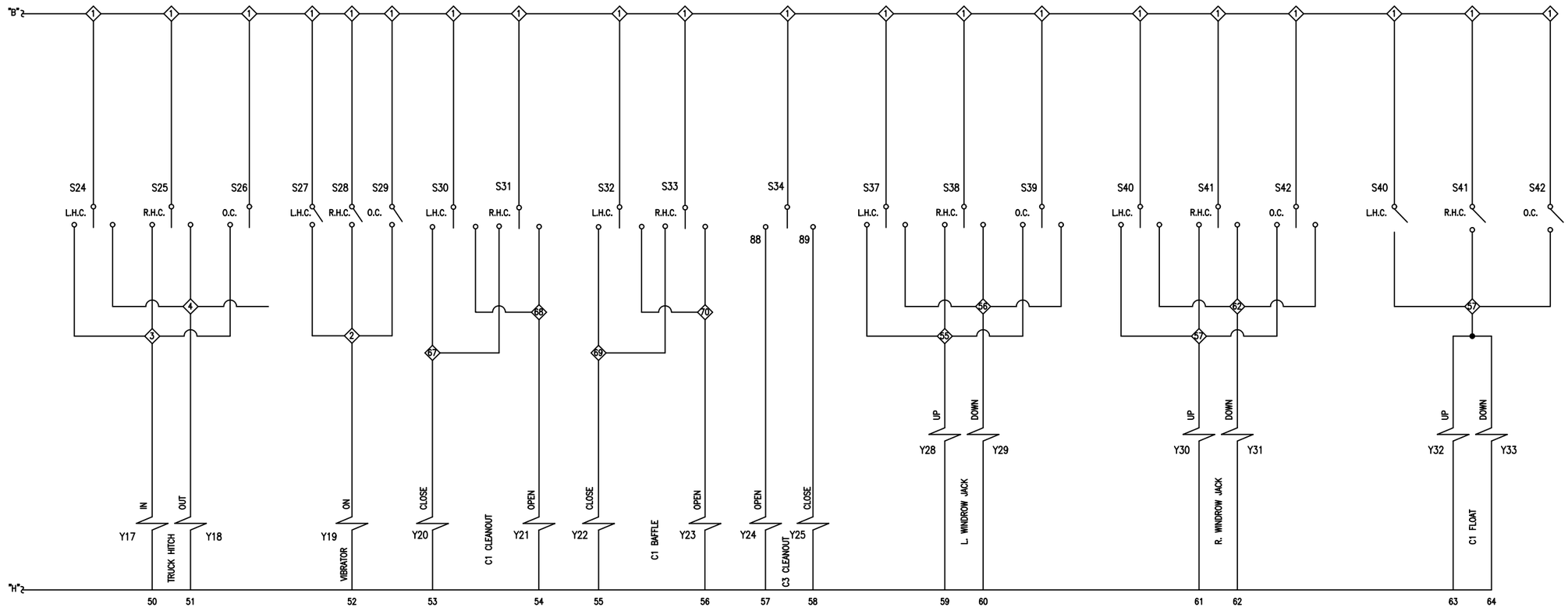
all decimal dim's ± .031 unless noted

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	

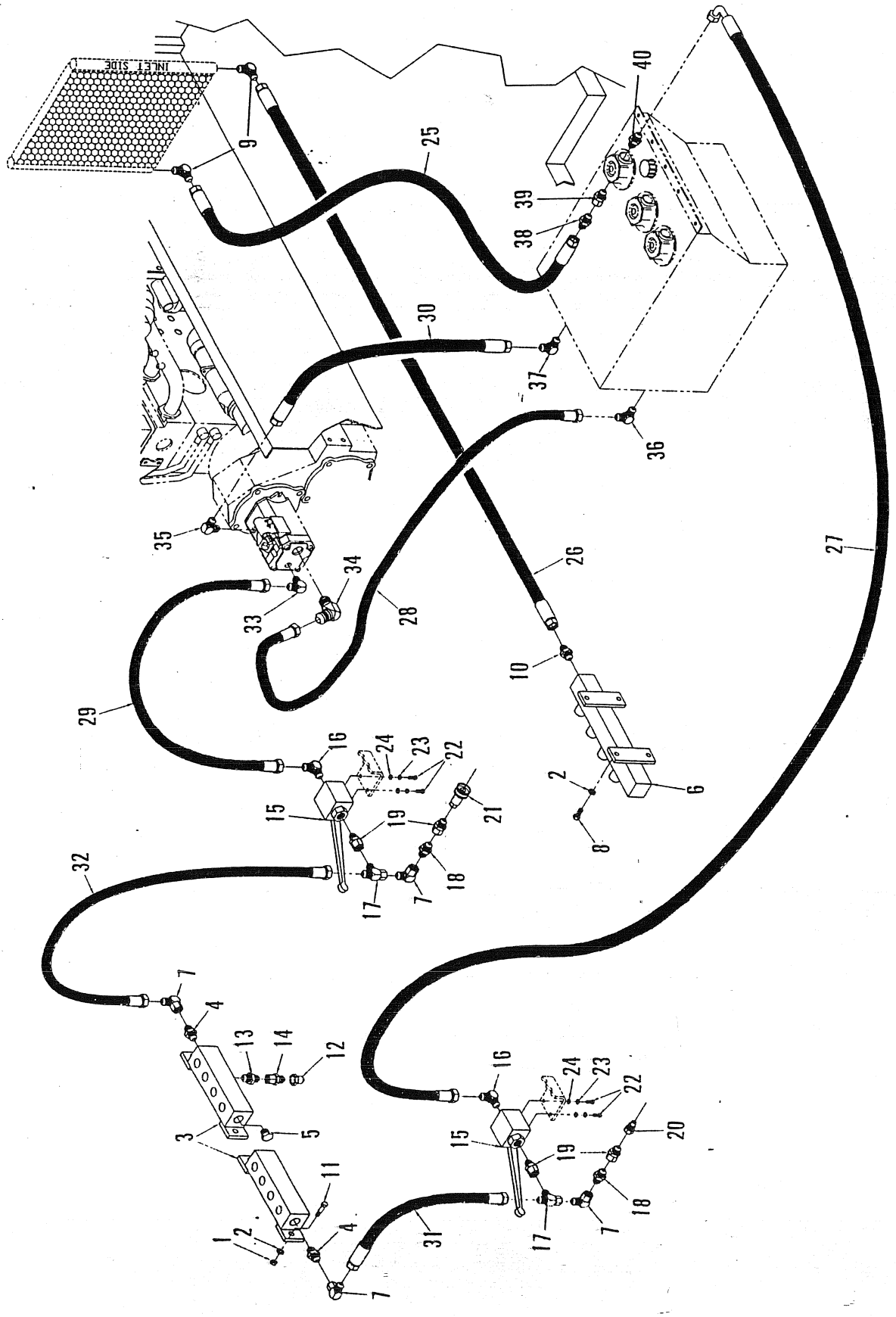
ROADTEC

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	

HYDRAULIC

AUXILIARY PUMP & OIL COOLER HYDRAULICS
(131469-01)

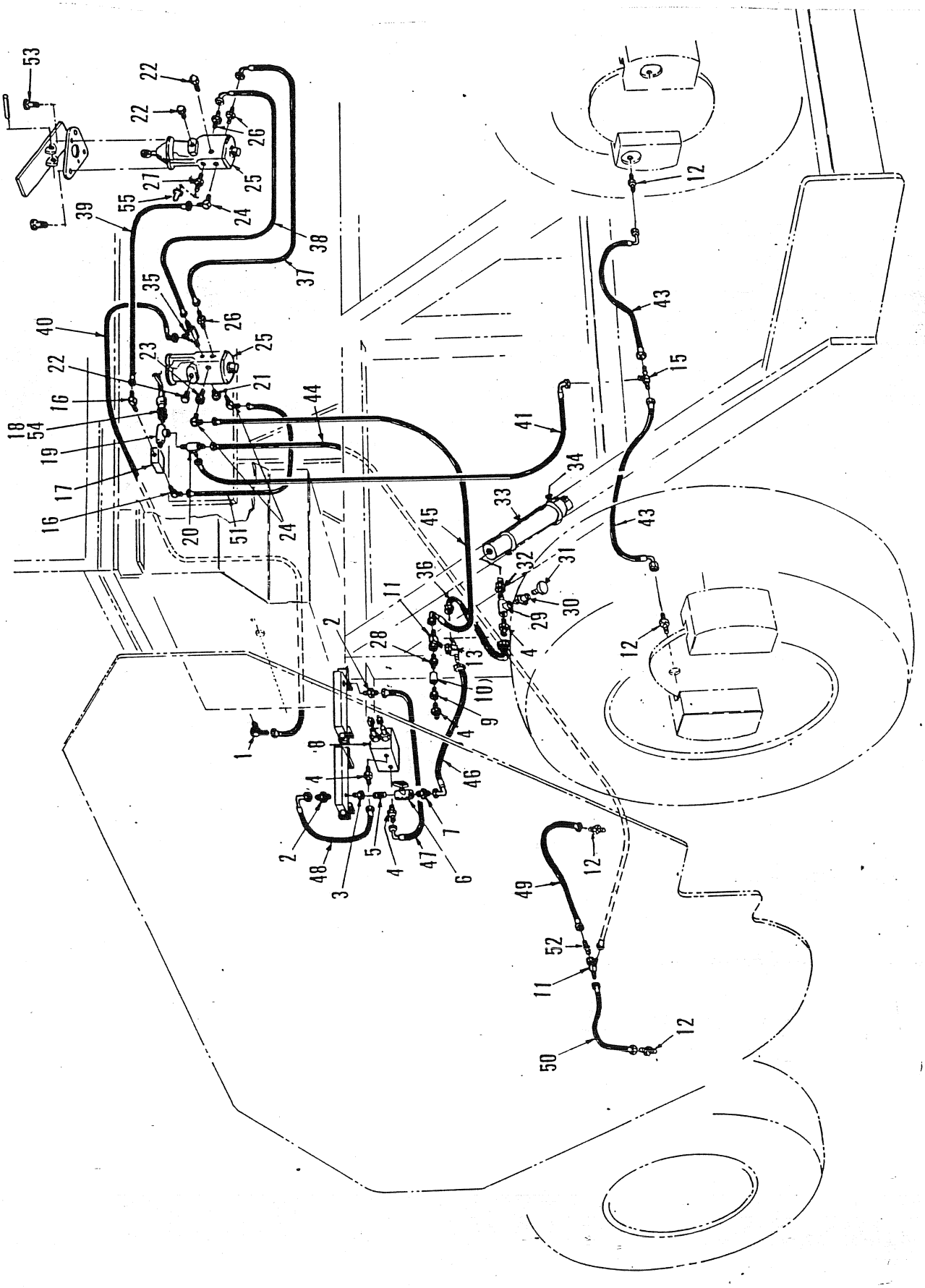


SHUTTLE BUGGY AUXILIARY PUMP & OIL COOLER HYDRAULICS
(120337-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1			
2	85875-04	12 JIC X 16 SAE 90°	1
3			
4	128228	24 JIC X 24 SAE 45°	1
5	83055	3/8" HEX NUT	4
6	83056	3/8" LOCK WASHER	8
7	97551	12 JIC X 10 SAE 90° ELL	1
8	96066-04	MANIFOLD BLOCK	2
9	83457-04	12 JIC X 12 SAE ST FITTING	2
10	83979-04	12 SAE PLUG	2
11	121015-02	MANIFOLD BLOCK	1
12	83764-04	12 JIC SW 90 ° ELL	2
13	26J39	24 JIC X 1 1/2" NPT 90° ELL	1
14	85490-04	12 JIC X 3/4" NPT 90° ELL	1
15	84244-04	20 JIC X 20 SAE ST ADAPTER	1
16	28G05	24 SAE X 20 SAE ADAPTER	1
17	84332	3/8 X 1" HEX HD BOLT	4
18	120671	12 JIC X 20 SAE ST ADAPTER	1
19	97168	20 JIC X 20 SAE 90° ELL	2
20	120111	HOSE # 60 1 1/4" X 120" 20 X 20 ST 20 X 20 ST L.P.	1
21	120112	HOSE # 61 1 1/4" X 95" 20 X 20 ST 20 X 20 ST L.P.	1
22	120113	HOSE # 62 3/4" X 95" 12 X 12 ST 12 X 12 90° L.P.	1
23	120114	HOSE # 63 1 1/2" X 38" 24 X 24 ST 24 X 24 ST	1
24	120115	HOSE # 64 3/4" X 41" 12 X 12 ST 12 X 12 ST	1
25	93359-04	HOSE # 65 3/4" X 32" 12 X 12 ST 12 X 12 ST	1
26	91677-04	20 JIC X 1 1/4" NPT ST FITTING	1
27	86127-04	HEX. HD. BOLT 3/8 - 16 X 3/4 LG. GR. 5	4
28	85949-04	TEST PORT CAP	1
29	87328-04	5/16" LOCKWASHER	4
30	83459-04	8 JIC X 8 SAE ST	1
31	86081-04	8 JIC TEST PORT	1

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

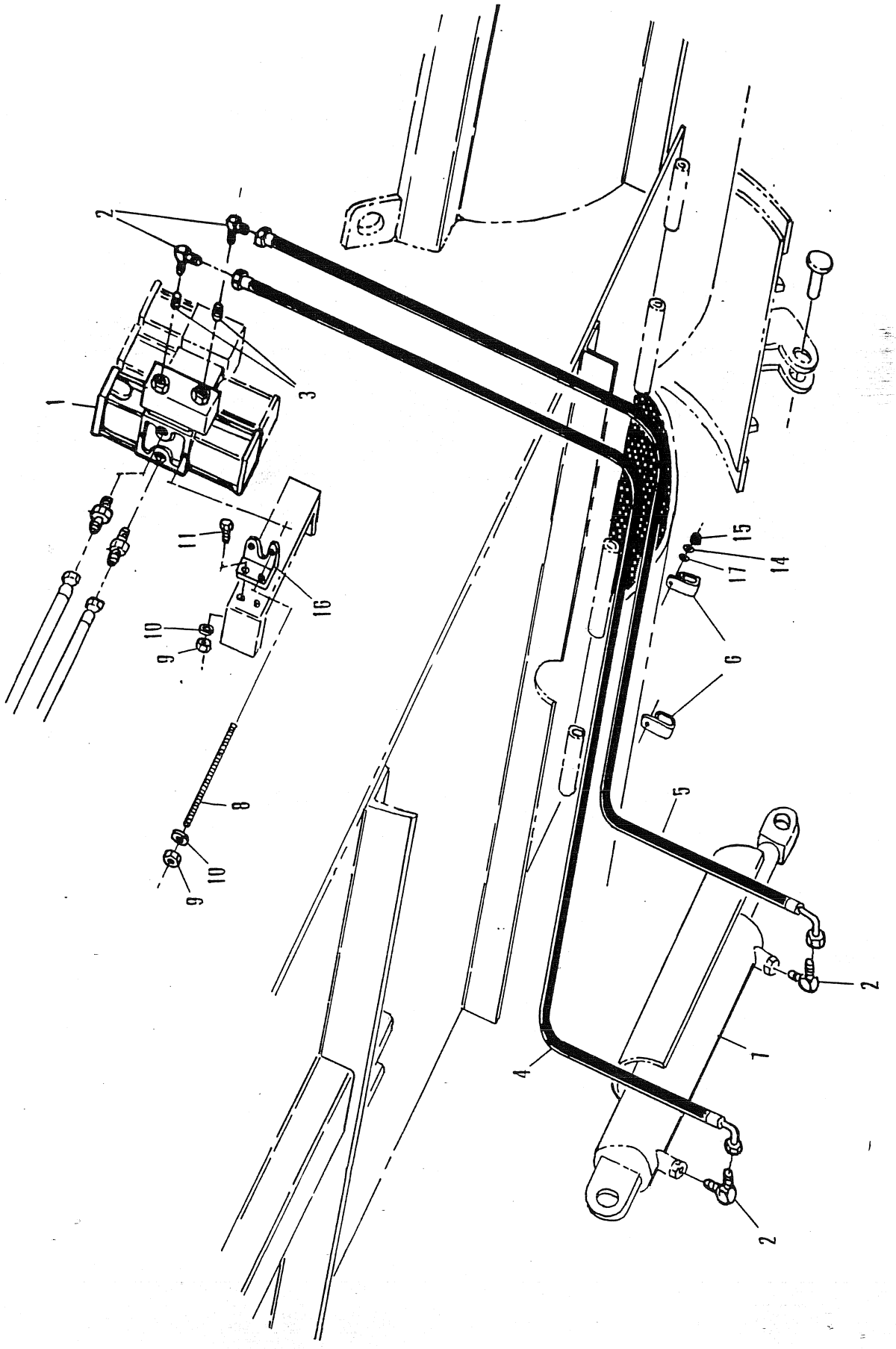
SB-2500 SHUTTLE BUGGY BRAKE CIRCUIT
(130804-01)



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

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

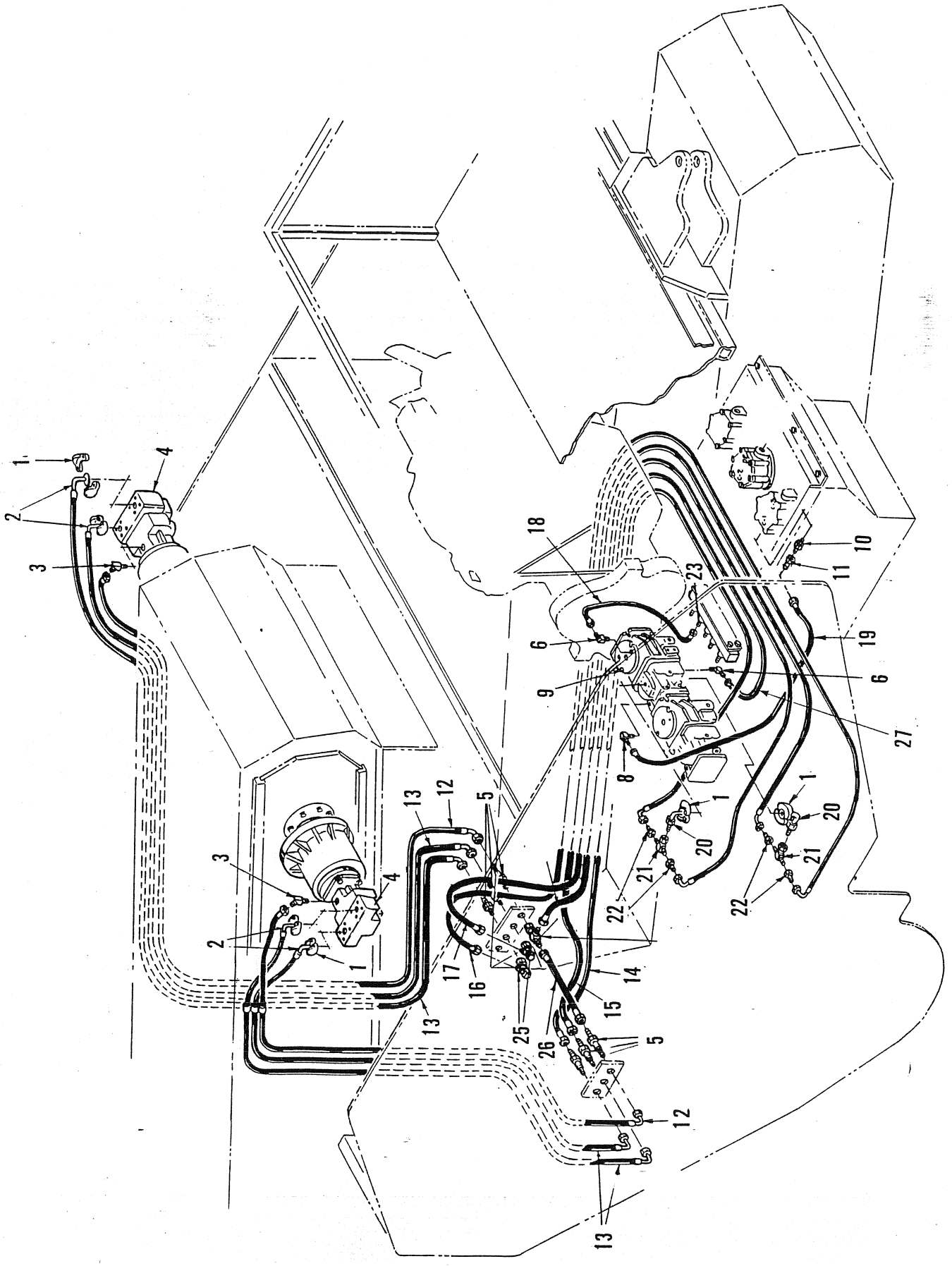


C-1 CLEAN-OUT DOOR HYDRAULICS
(129219-01)

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)

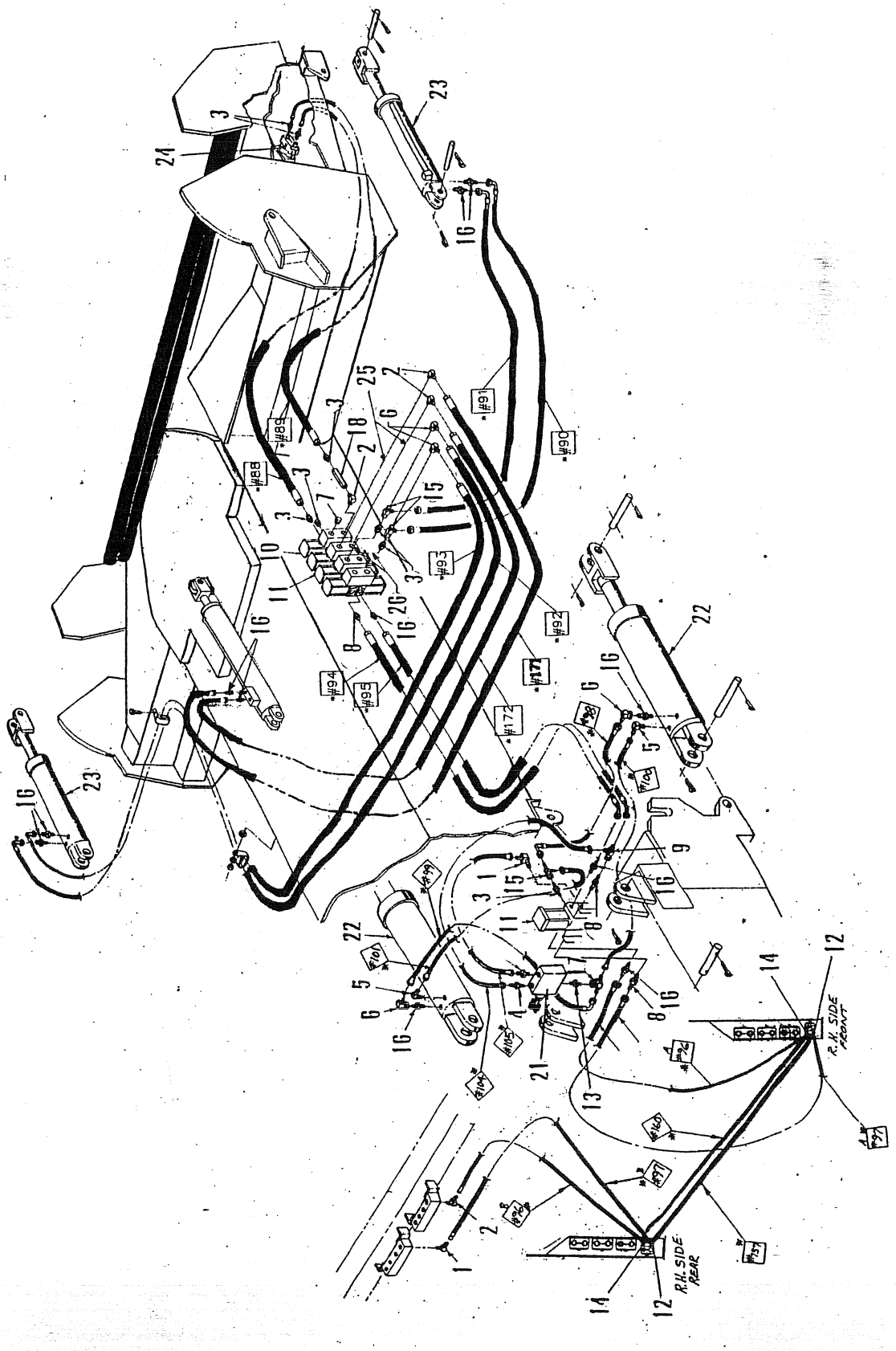


C-1 CONVEYOR DRIVE HYDRAULICS
(120743-01)

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)

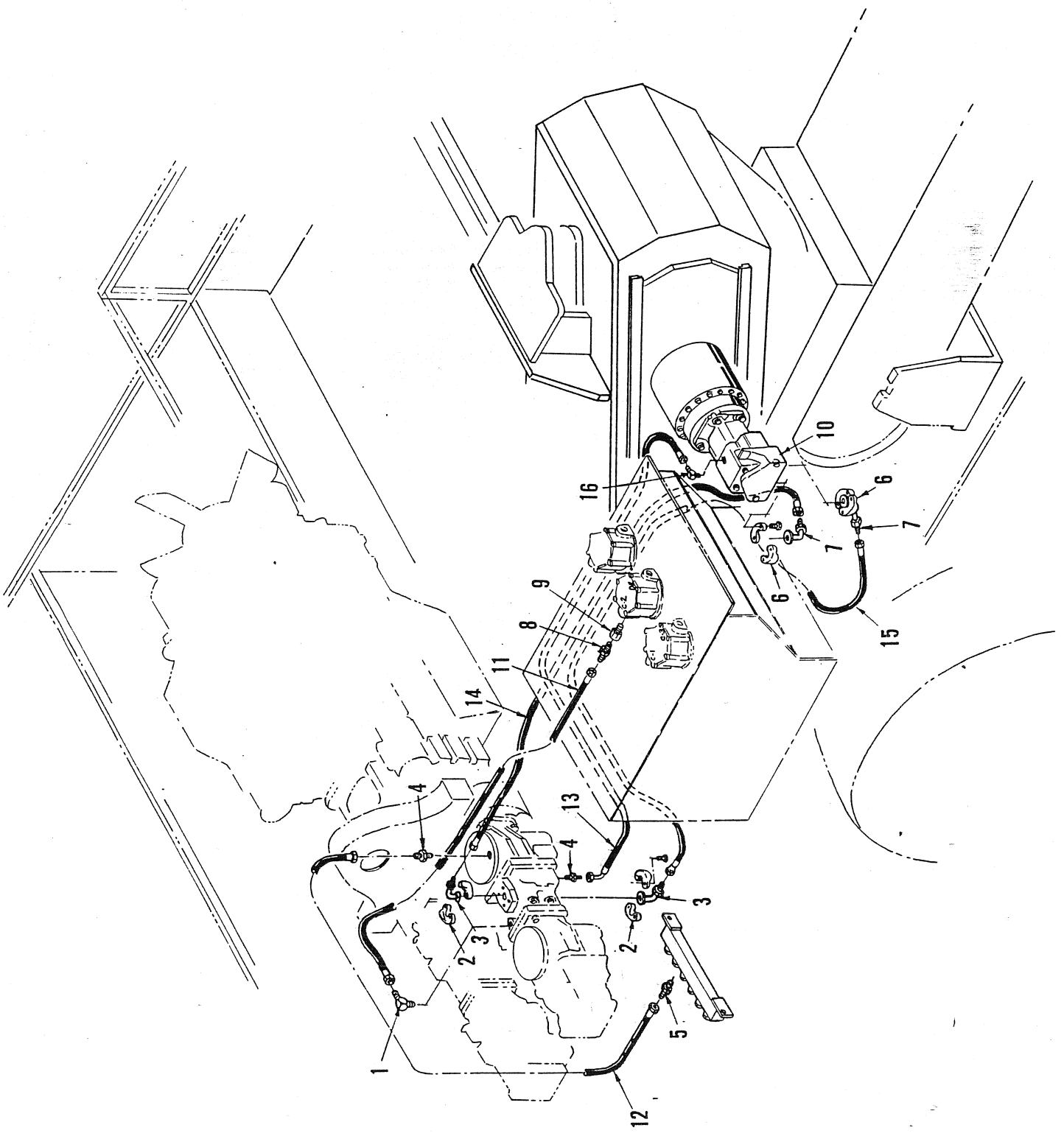


C-1 LIFT,DUMP,VIB. AND BAFFLE HYDRAULIC ASSEMBLY
(134569-01)

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			
20	84635-04	PLUG - 6 SAE	1
21	126763-04	REDUCING VALVE	1
22	29E83	C-1 LIFT CYLINDER W/ PINS	REF.
23	29H98	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			
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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C-2 CONVEYOR DRIVE HYDRAULICS
(120333-01)



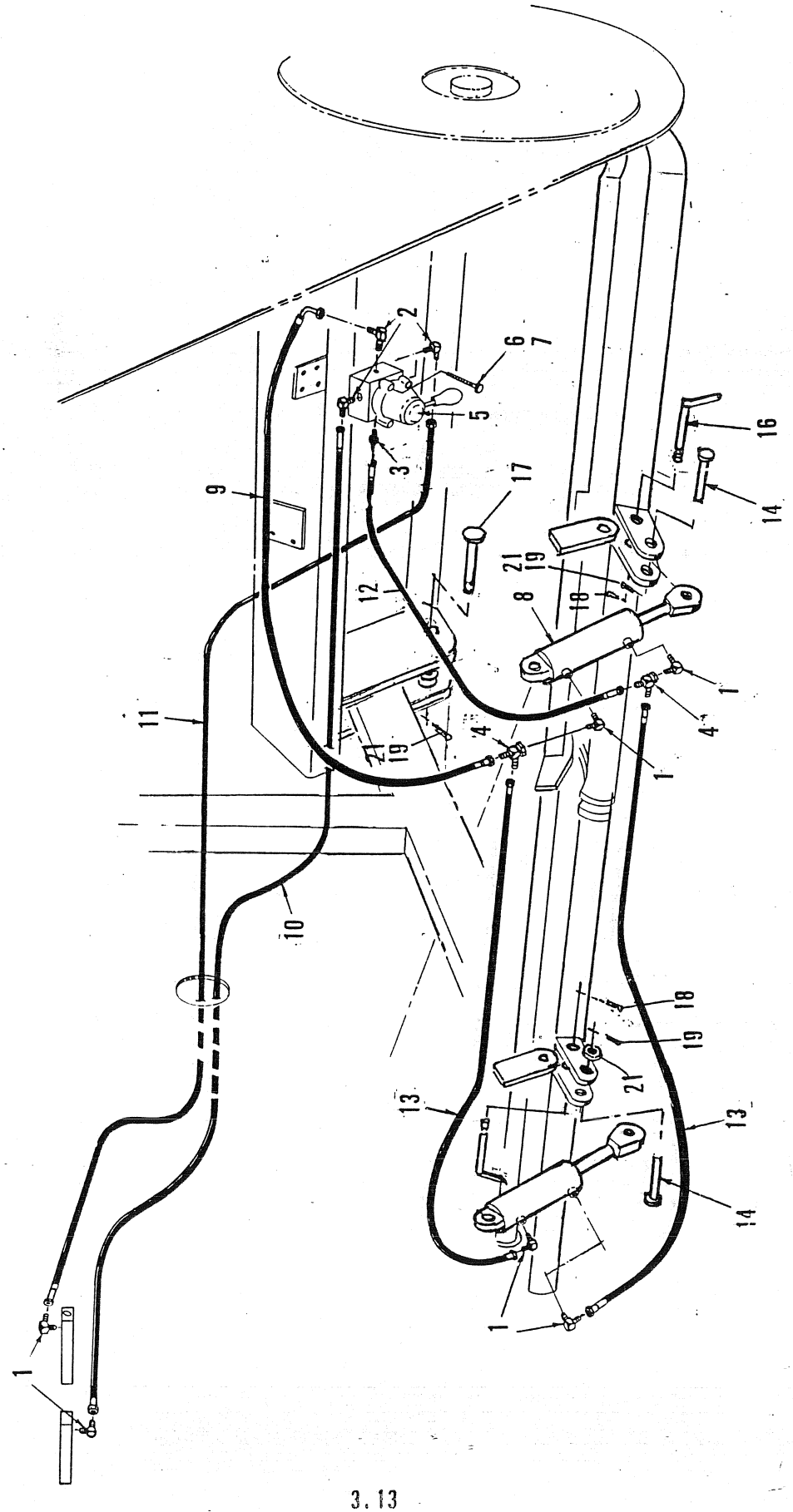
C-2 CONVEYOR DRIVE HYDRAULIC ASSEMBLY
(120333-01)

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)

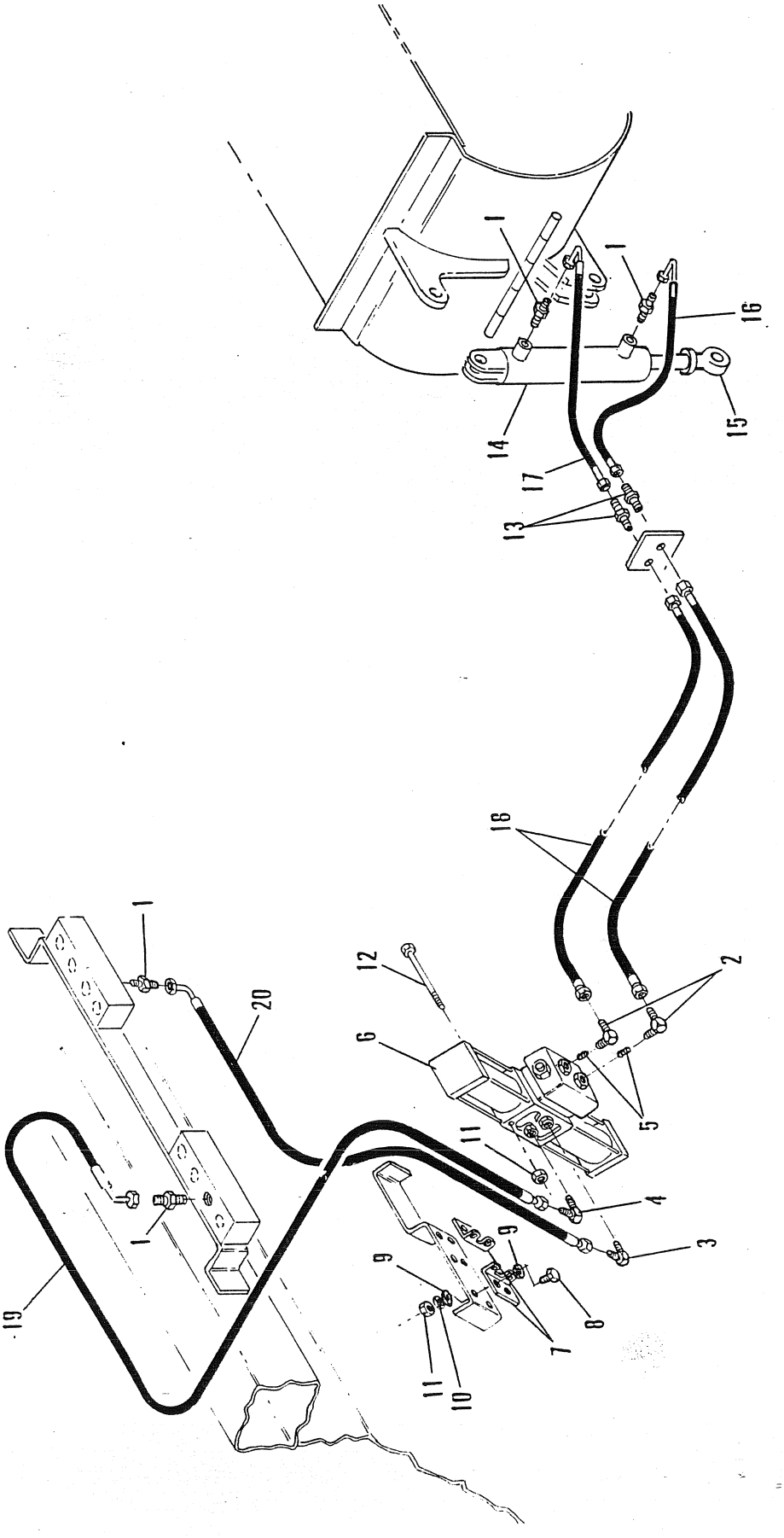


C2 HOPPER CLEAN OUT DOOR HYDRAULICS
(121730-01)

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 FITTING	1
4	84636-04	FITTING - 6 JIC SW RUN TEE	2
5	29U38	VALVE	1
6	89297-04	BOLT - 5/16" X 1" HEX HD	4
7	87328-04	5/16" LOCKWASHER	4
8	83326-01	HYDRAULIC CYL 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

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

C-3 CLEANOUT DOOR HYDRAULICS
(128973-01)

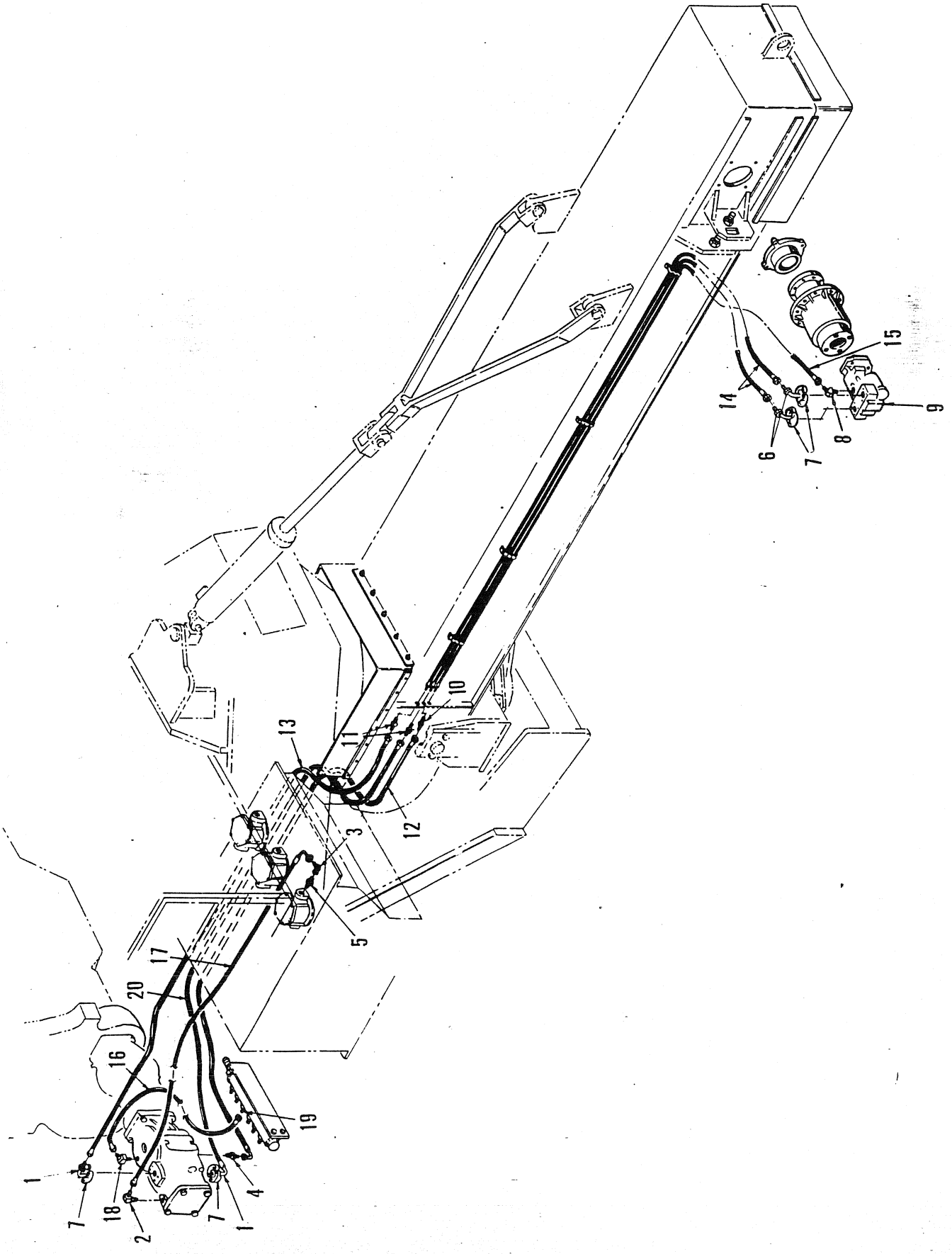


C-3 CLEANOUT DOOR HYDRAULICS
(128973-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	83499-04	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	122290-04	1/64 ORFICE	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

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

SB-2500 SHUTTLE BUGGY 288" LG C-3 CONVEYOR HYDRAULICS
(127791-01)



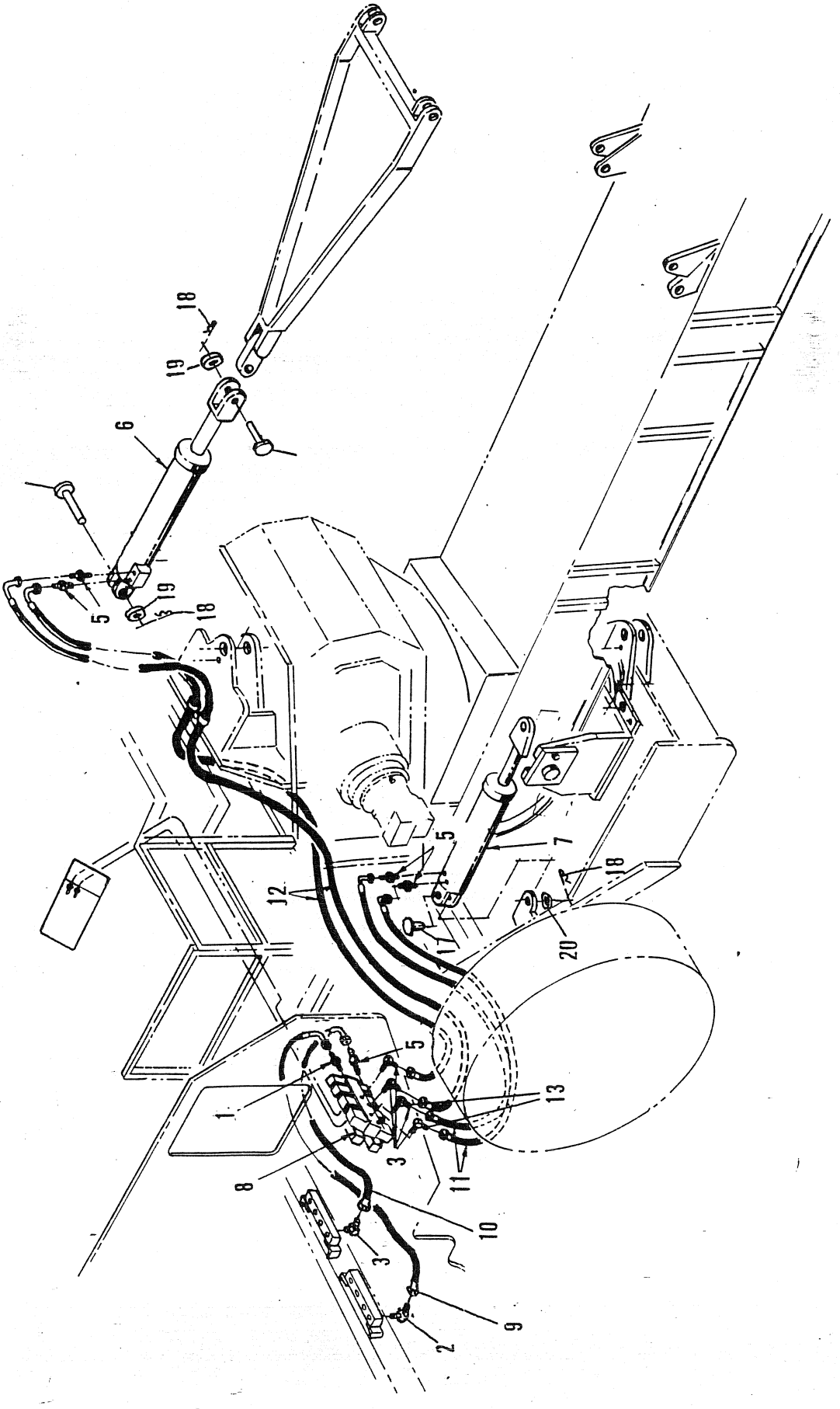
288" LG. C-3 CONVEYOR HYDRAULIC ASSEMBLY
(127791-01)

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)

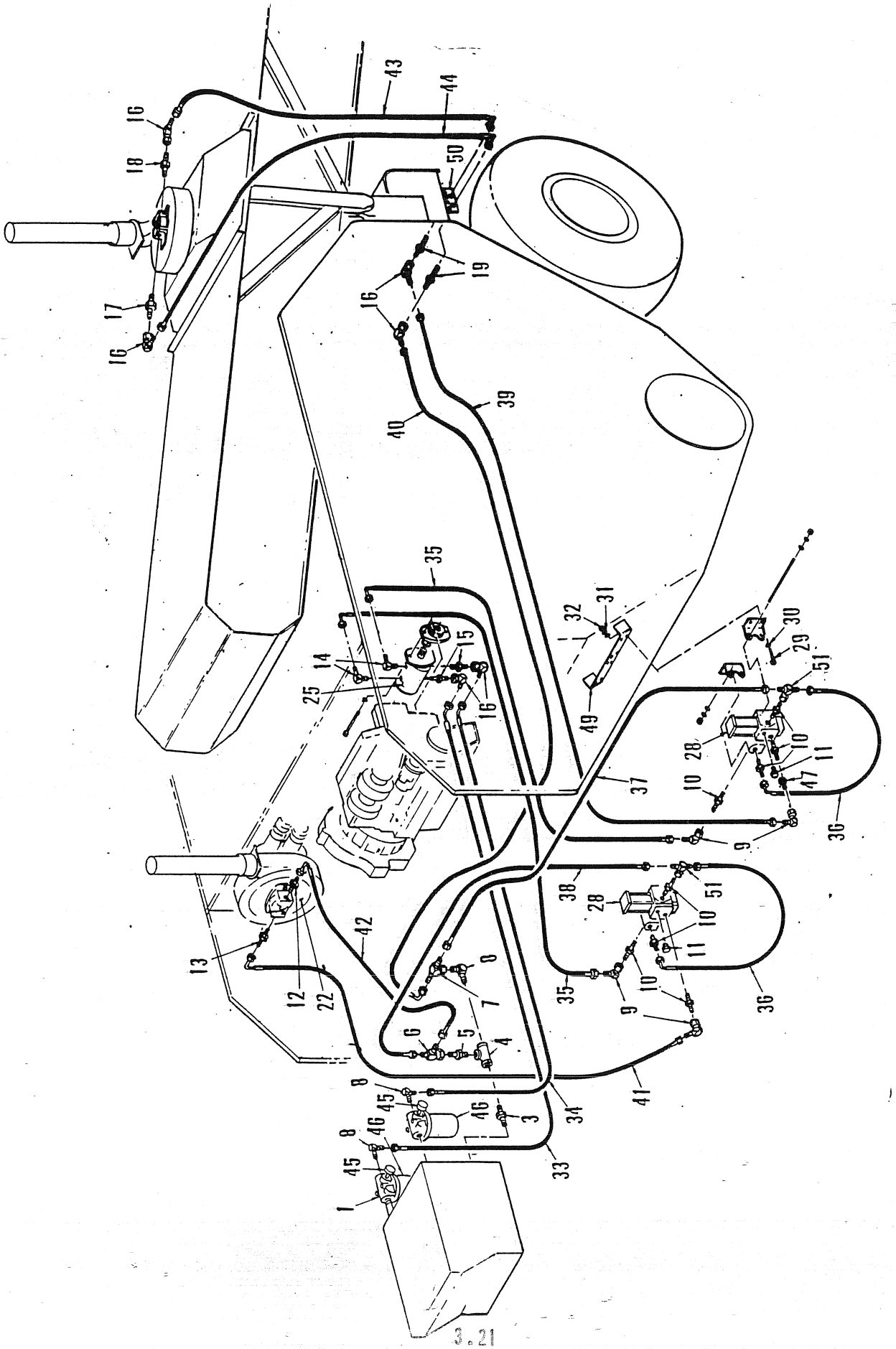


C-3 SWING & LIFT HYDRAULICS
(120336-01)

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)

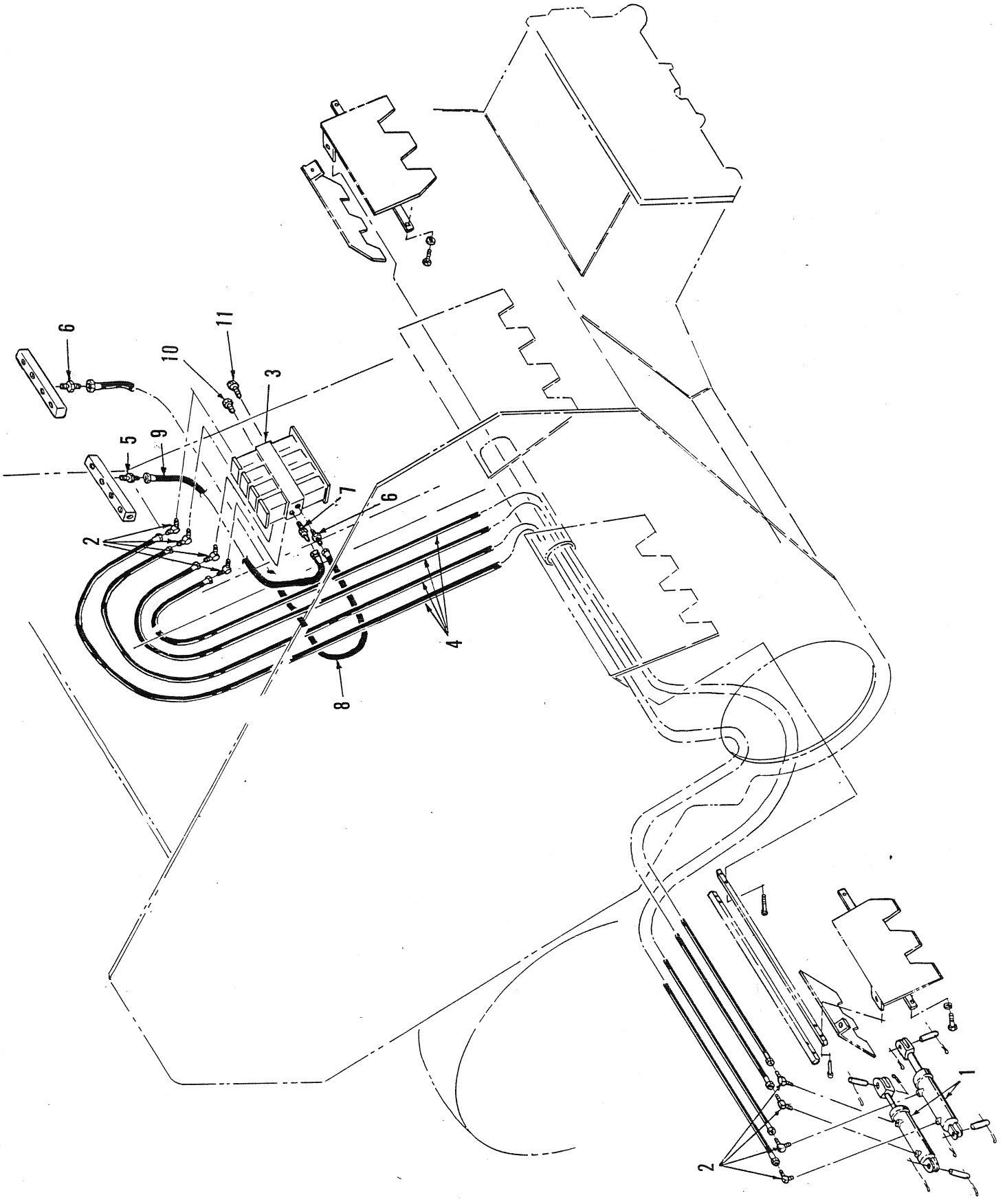


SB-2500 FUME CONTROL HYDRAULIC ASSEMBLY
(129233-01)

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			
21			
22			
23			
24			
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
53			
54			

FLOW GATE HYDRAULICS
(120338-01)



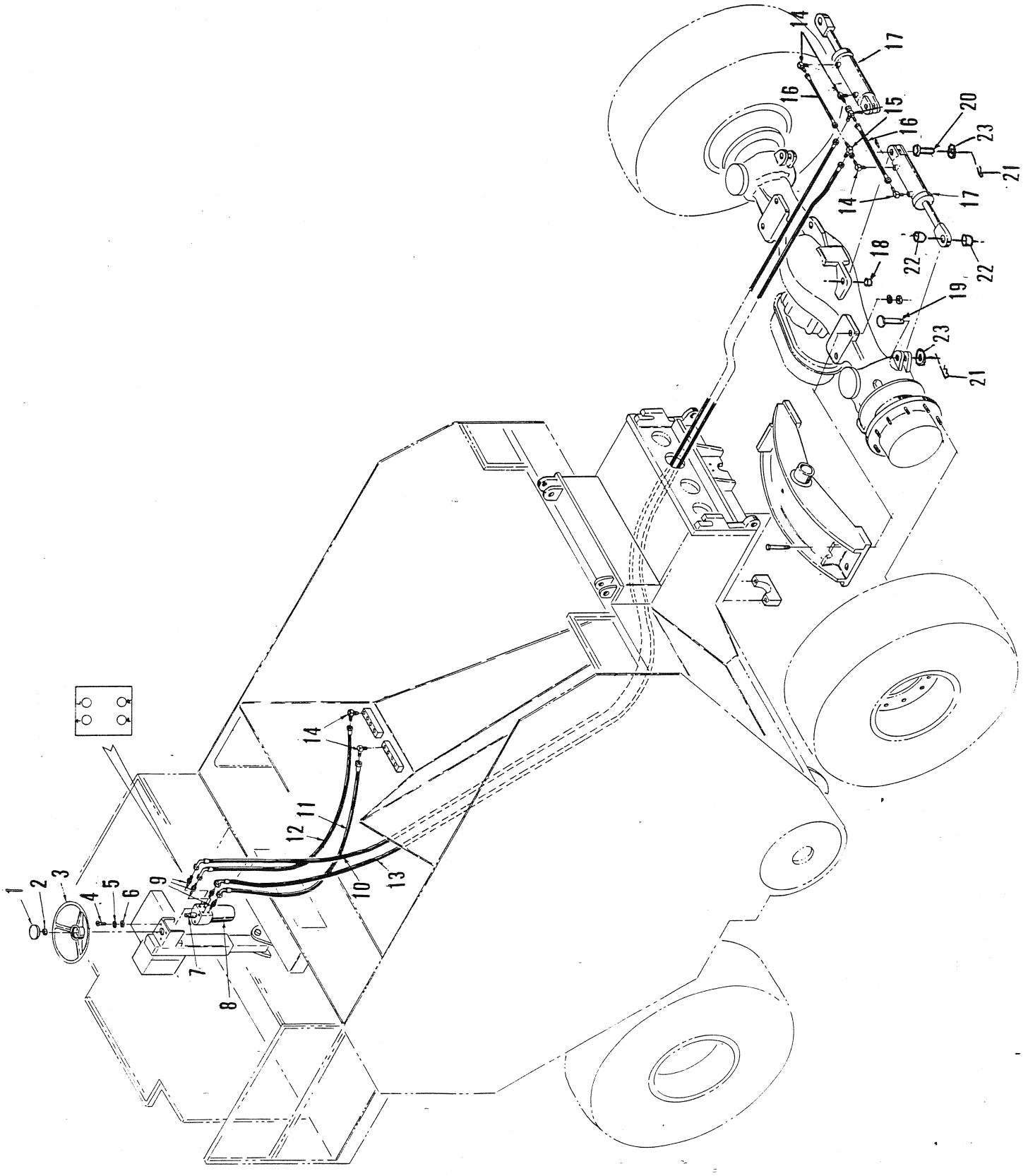
FLOWGATE HYDRAULICS
(120338-01)

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

3.24

STEERING HYDRAULIC ASSEMBLY
(131044-01)



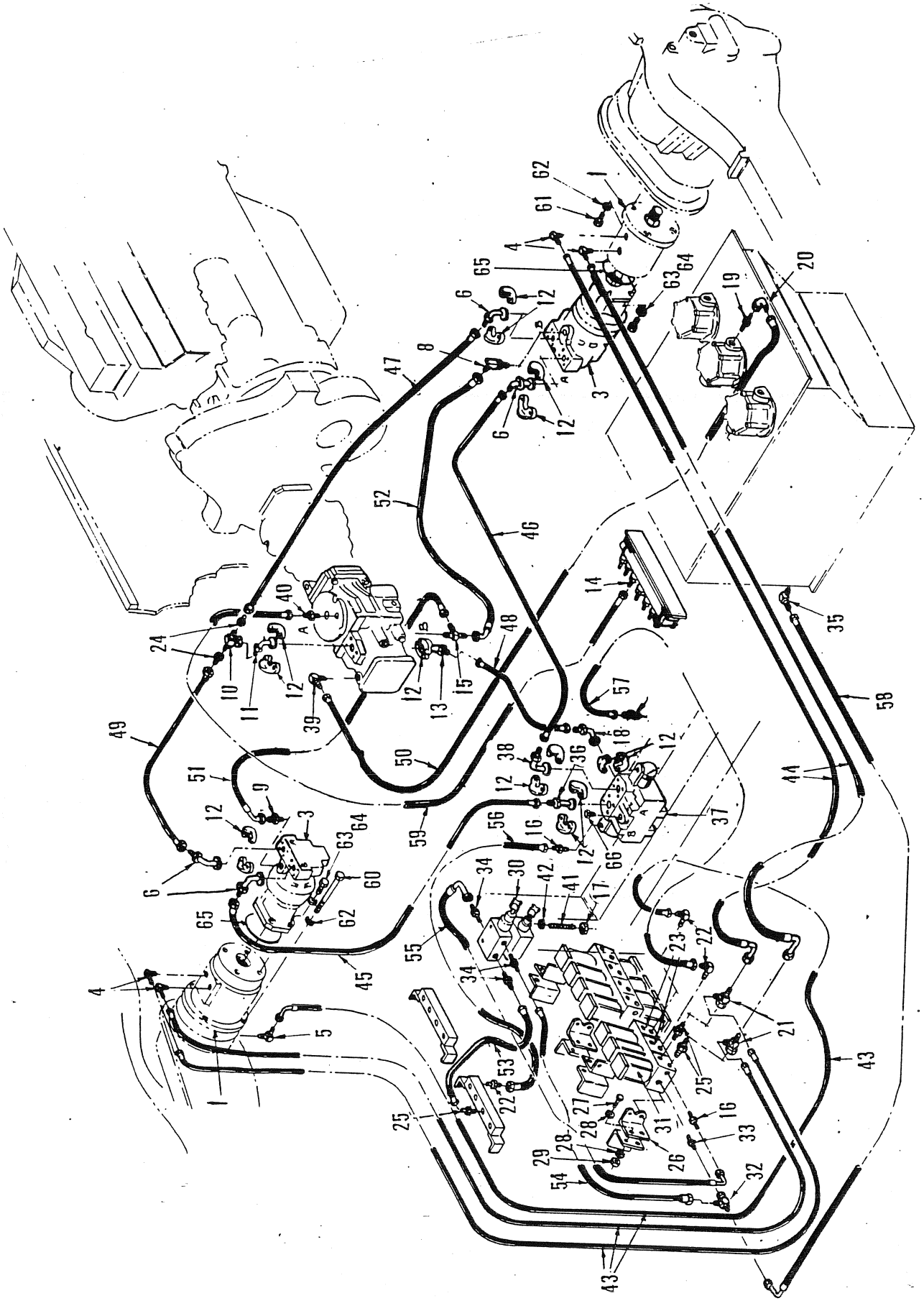
STEERING HYDRAULIC ASSEMBLY
(131044-01)

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

SHUTTLE BUGGY DRIVE HYDRAULICS
(131229-01)

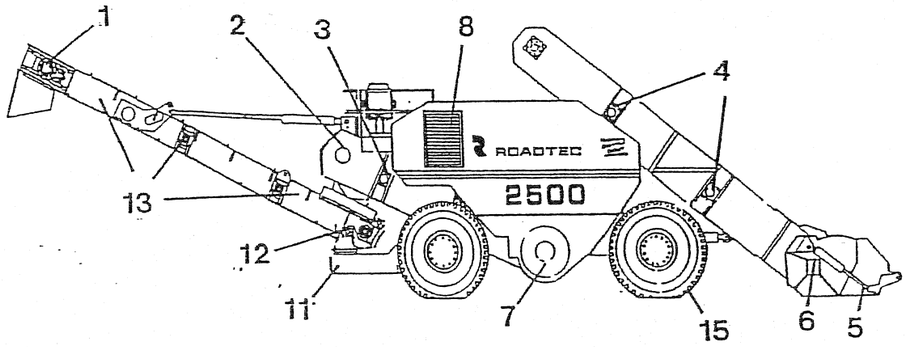


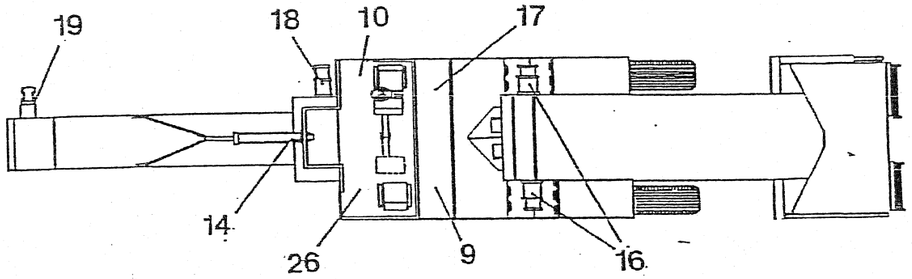
SHUTTLE BUGGY DRIVE HYDRAULICS
(131229-01)

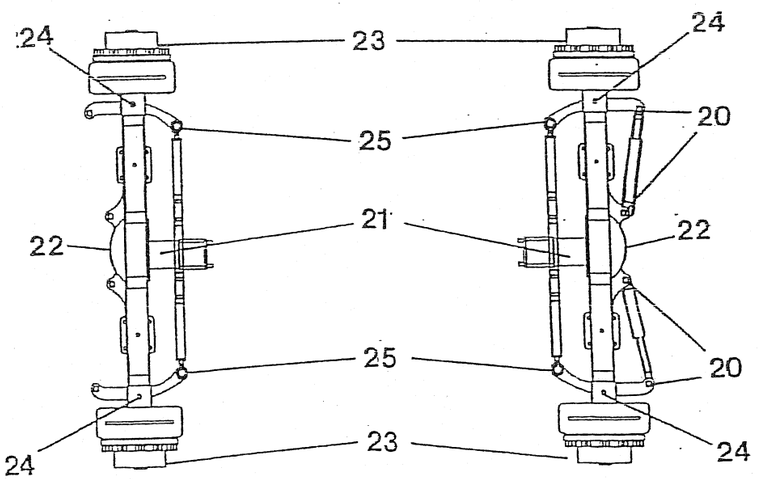
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	130086	AUSCO PARK BRAKE	2
2			
3	91681-04	DRIVE MOTOR	2
4	85462-04	FITTING - 6 JIC X 1/4" NPT 90°	4
5	93743-04	FITTING - 4 JIC X 4 SAE 90°	1
6	96751	FITTING - 12 JIC X 16 FLANGE 45°	4
7			
8	120439	FITTING - 12 JIC X 10 SAE 45°	1
9	83705-04	FITTING - 12 JIC X 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 SAE 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	LOCKWASHER - 3/8 DIA.	6
29	83055	HEX NUT - 3/8 - 16 UNC 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 DIA.	2
43	99645	HOSE 1/4 X 200 (6X4 ST 6X4 ST) (#29,30,31)	3
44	99664	HOSE 1/4 X 87 (6X4 ST 6X4 90) (#32,33)	2
45	99649	HOSE 3/4" X 174" (12X12 ST 12X12 ST) (#34)	1
46	99650	HOSE 3/4" X 48" (12 X12 ST 12 X12 ST) (#35)	1
47	99651	HOSE 3/4" X 105" (12X12 ST 12X12 ST) (#36)	1
48	99653	HOSE 1 1/4" X 44" (20X20 ST 20X20 ST) (#37)	1
49	129394	HOSE 3/4" X 160" (12X12 ST 12 X 12 90) (#38)	1
50	99679	HOSE 1" X 64" (16X16 ST 16X16 ST) (#39)	1
51	129395	HOSE 3/4" X 148" (12X12 ST 12 X 12 45) (#40)	1
52	99716	HOSE 3/4" X 86" (12X12 ST 12 X 12 45) (#41)	1
53	99641	HOSE 3/8" X 33" (6X6 ST 6X6 90) (#42)	1
54	120744	HOSE 3/8" X 19" (6X6 ST 6 X 6 ST) (#43)	1
55	120745	HOSE 3/8" X 28" (6X6 ST 6X6 90) (#44)	1
56	99720	HOSE 3/8" X 50" (6X6 ST 6X6 ST) (#45)	1
57	123658	HOSE 3/8" X 59" (6X6 ST 6X6 ST) (#46)	1
58	120747	HOSE 1/2" X 105" (8X8 ST 8X8 90) (#47)	1
59	120756	HOSE 3/4" X 27" (12X12 ST 12X12 ST) (#112)	1
60	92252	HEX BOLT 3/4 - 10 UNC X 7 LG GD. 8	4
61	00891	HEX BOLT 3/4 - 10 UNC X 1 3/4 LG. GD. 8	4
62	83752-04	LOCKWASHER 3/4 DIA.	8
63	93144	HEX BOLT - 1/2 - 13 UNC X 1 1/2 LG. GD. 8	8
64	05707	CONICAL WASHER - HS12 DIN 6796	8
65	97489	O-RING	2
66			
67			
68			
69			
70			

SB 2500 - LUBRICATION CHART







120317-01-A

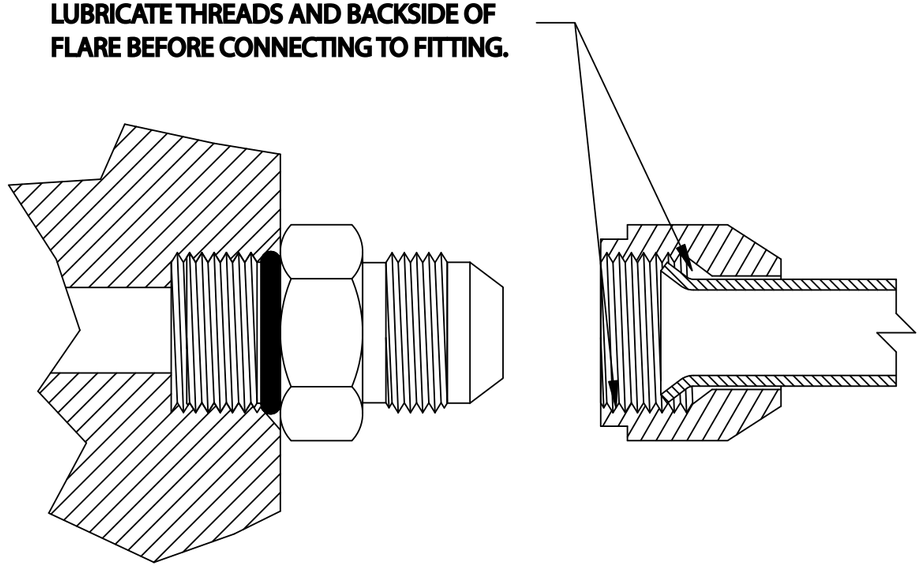
INTERVAL HOURS	REF. NO.	IDENTIFICATION	NO. OF POINTS	LUBE TYPE	QTY	REMARKS
DAILY	1	C-3 HEADSHAFT	1	HTG	FLUSH	GREASE WHILE HOT
	2	C-2 HEADSHAFT	1	HTG	FLUSH	GREASE WHILE HOT
	3	C-2 IDLERS	4	HTG	5 SHOTS	GREASE WHILE HOT
	4	C-1 IDLERS	4	HTG	5 SHOTS	GREASE WHILE HOT
	5	C-1 TRUCK DUMP VIBRATOR	2	HTG	3 SHOTS	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

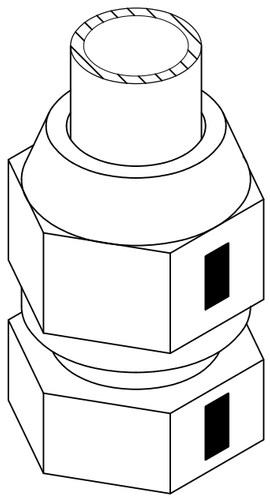
EO -ENGINE OIL - SAE 15W40 - VALVOLINE PREMIUM BLUE, ALL- FLEET PLUS OR EQUIVALENT
HTG -HIGH TEMPERATURE GREASE - NLGI GRADE 2 - VALVOLINE CERULEAN, PALLADIUM OR EQUIVALENT
HO -HYDRAULIC OIL - ISO VIS. GRADE 46 - VALVOLINE ANTI-WEAR HYDRAULIC OIL OR EQUIVALENT
GO -GEAR OIL - SAE 80W90 - VALVOLINE HIGH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

Valvoline.

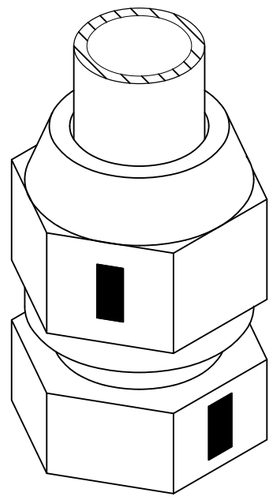
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



EXAMPLE - 20 JIC HOSE END



SNUG JOINT WITH FLATS MARKED



TIGHT JOINT WITH 1 FLAT FROM WRENCH RESISTANCE

ASSY- JIC FITTING INSTRUCTIONS (134914-02)

JIC FITTING INSTALLATION

USING FLATS FROM WRENCH RESISTANCE (FFWR) 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. TIGHTEN TO WRENCH RESISTANCE. (PARKER DEFINES WRENCH RESISTANCE AS 30 IN-LB TORQUE)

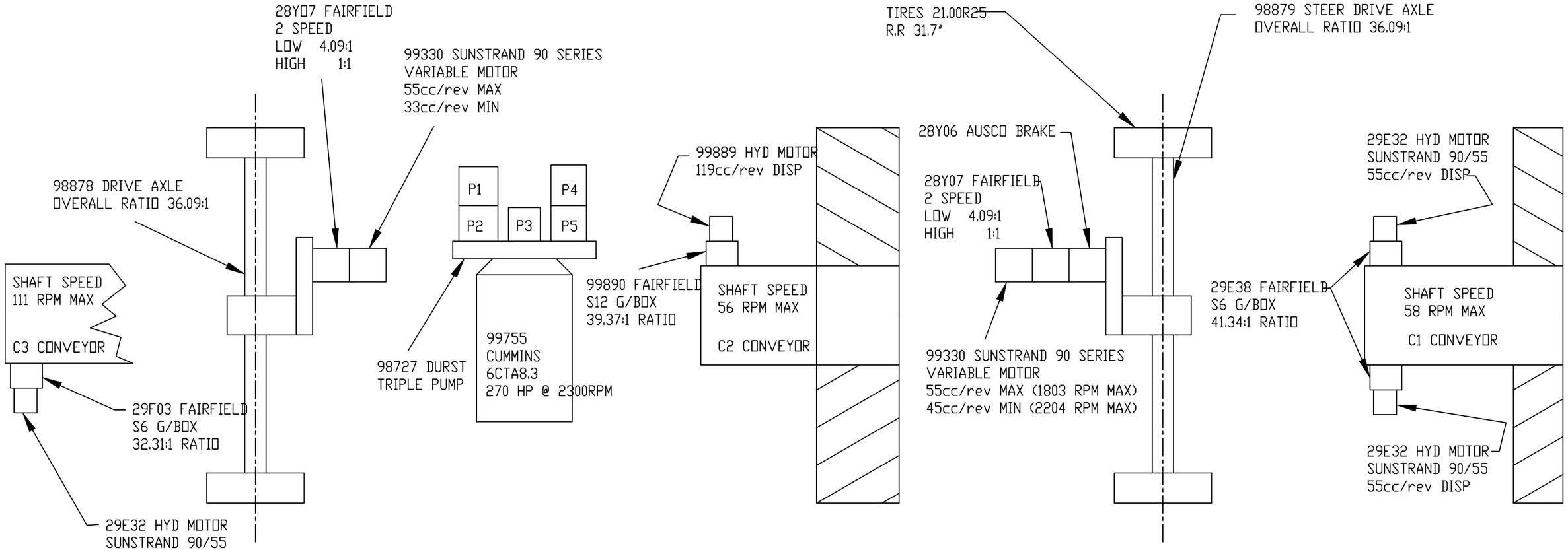
3) MAKE A MARK ON ONE FLAT OF NUT HEX AND CONTINUE IT ONTO THE BODY HEX. (WITH EXPERIENCE, IT MAY NOT BE NECESSARY TO MARK THE FITTINGS. RATHER, VISUAL ALIGN THE FLATS AND TIGHTEN AS PER STEP 5.)

4) WHEN REQUIRED, 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	FLATS FROM WRENCH RESISTANCE
-4	2
-5	2
-6	1-1/2
-8	1-1/2
-10	1-1/2
-12	1-1/4
-16	1
-20	1
-24	1
-32	1

ROADTEC an Astec Industries Company



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: 1 of 1	FAB CODE: N/A	EFFECTIVE S/N: 000
DRAWN BY: CJM	CHECKED BY:	DWG NO: 127996-03	REV.: 0
SCALE: NTS	DATE: 05/25/95		

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

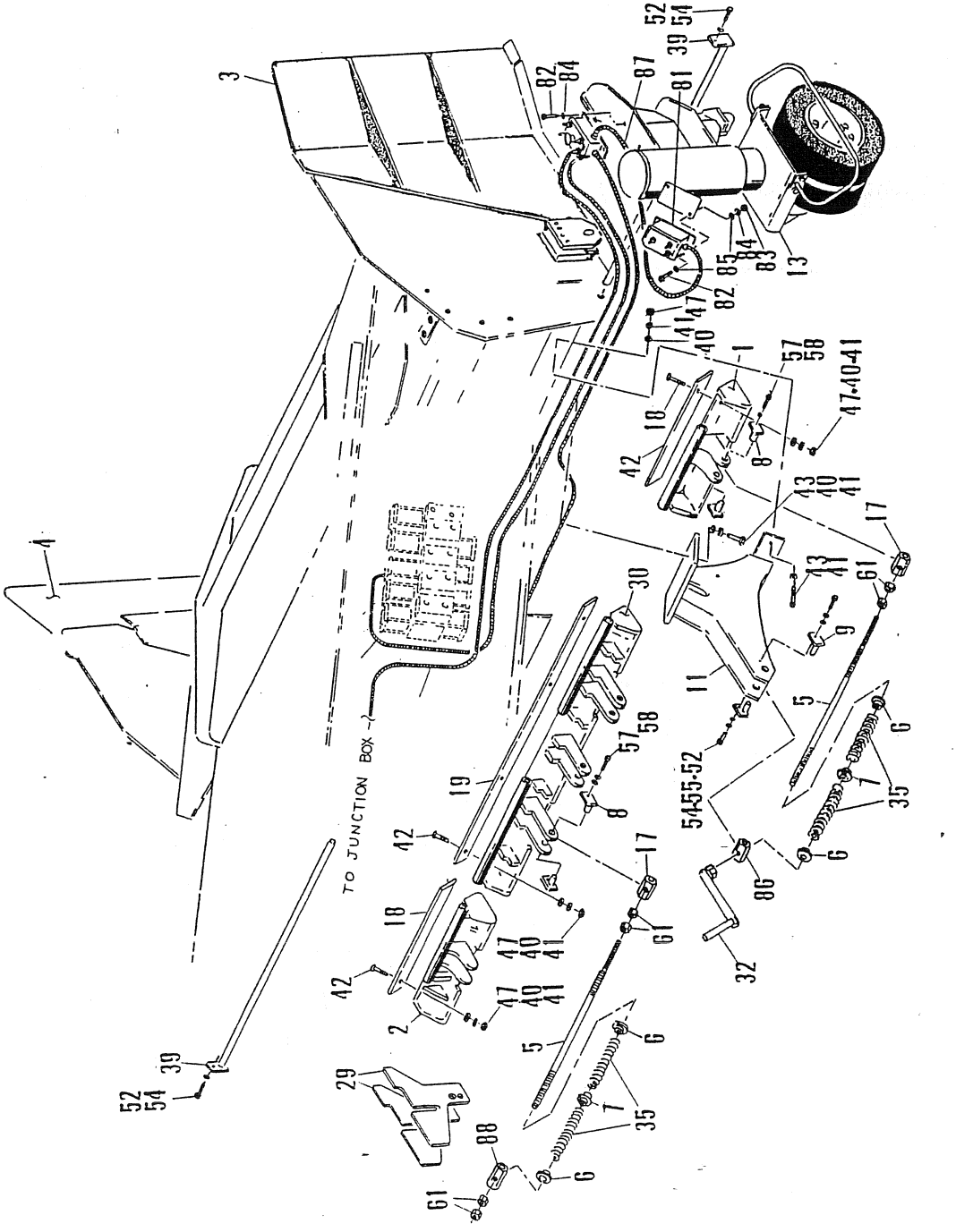
ROADTEC

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

OPTIONS

WINDROW PICK- UP HEAD ASSEMBLY
(125132-01)



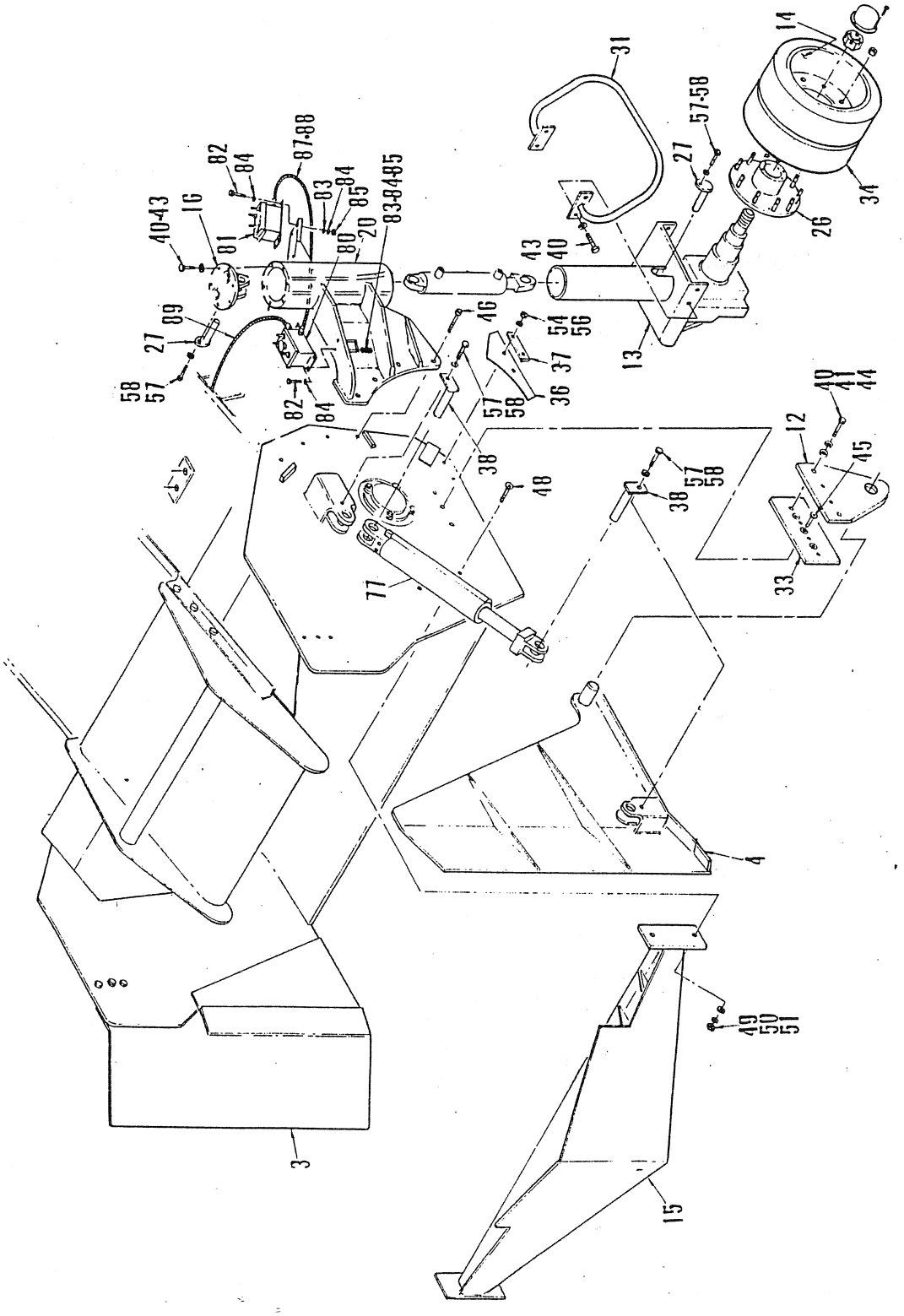
WINDROW PICK- UP HEAD ASSEMBLY
(125132-01)

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
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4.2

WINDROW PICK- UP HEAD ASSEMBLY
(125132-01)

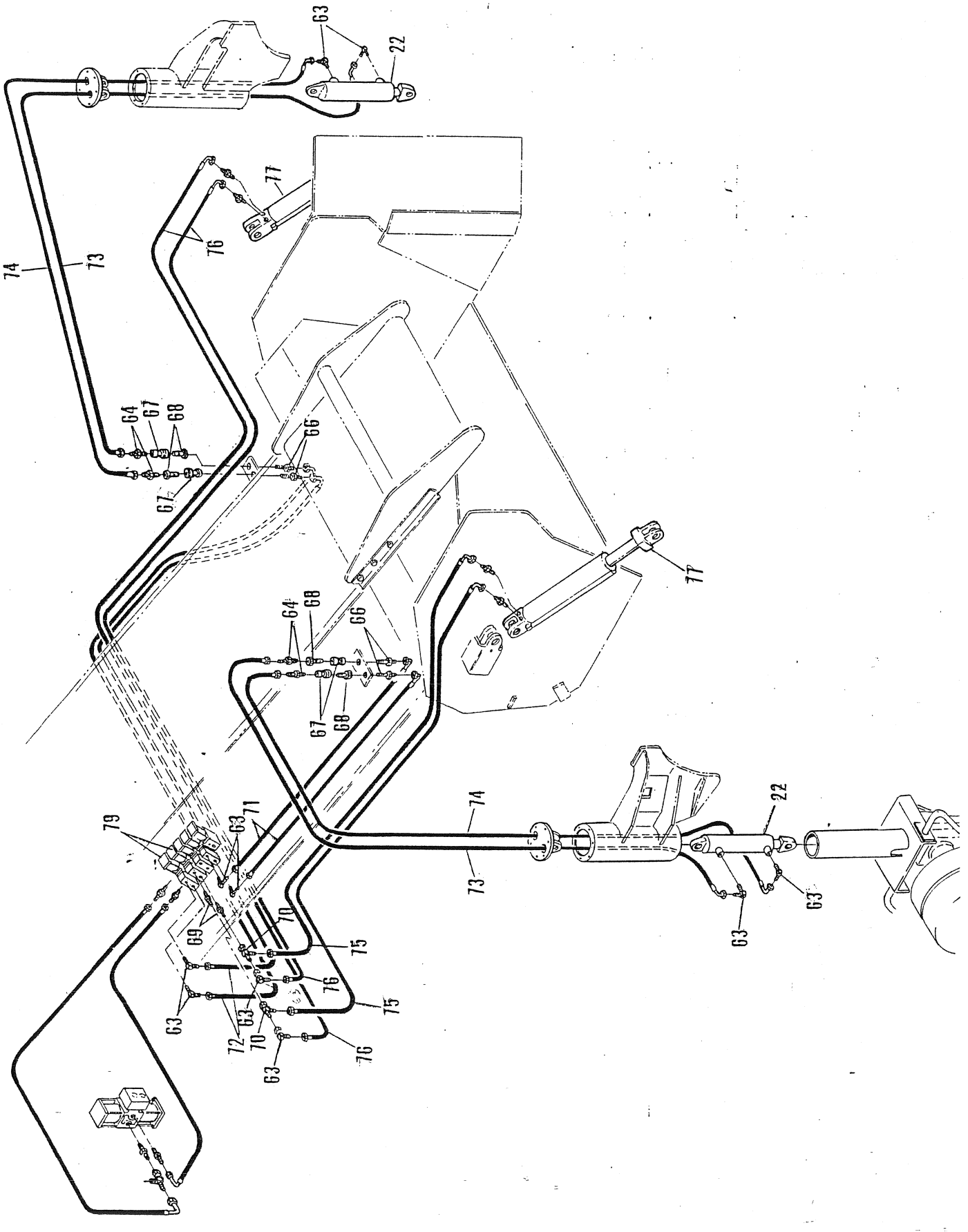


WINDROW PICK-UP HEAD ASSEMBLY
(125132-01)

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

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

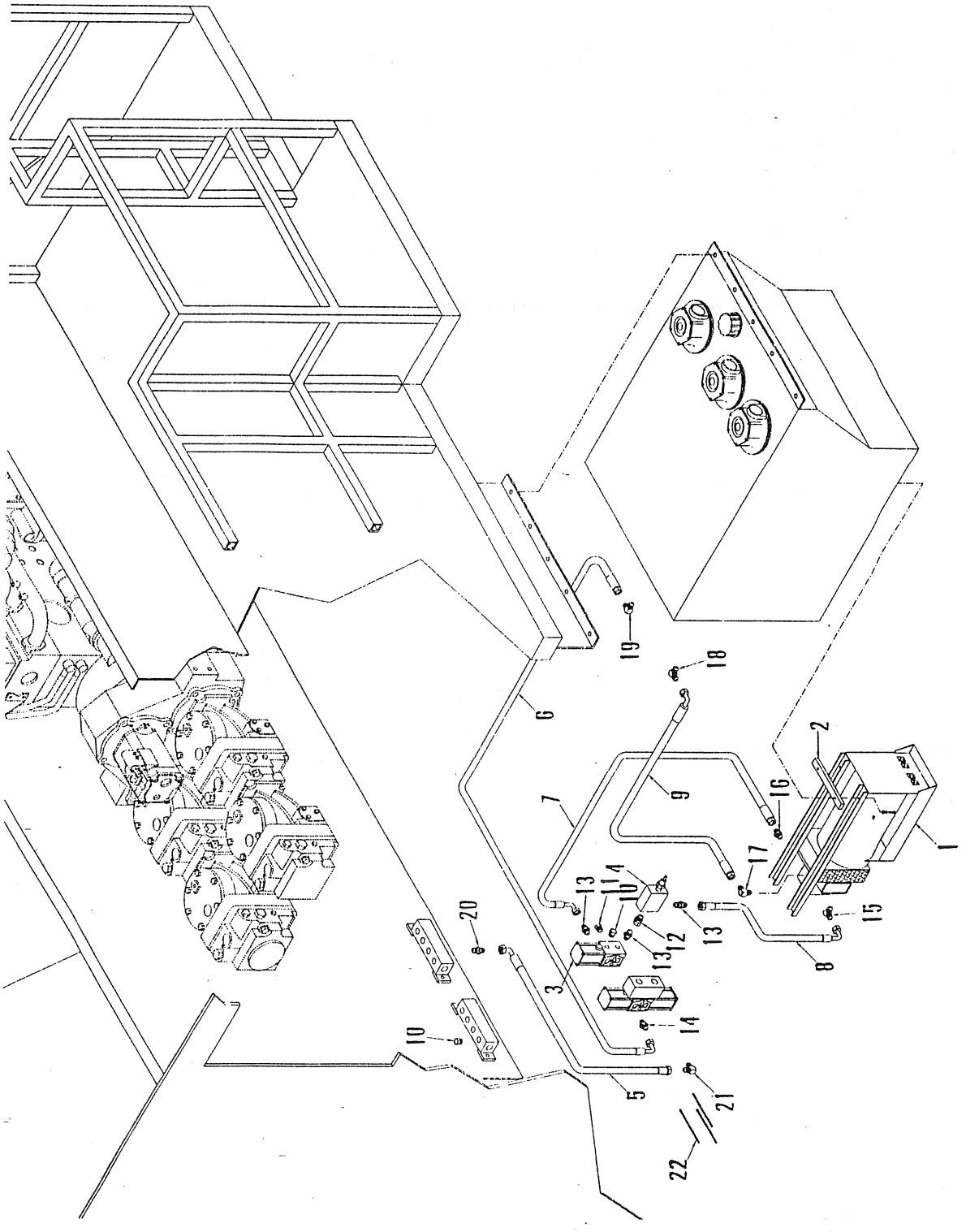


WINDROW PICK-UP HEAD ASSEMBLY
(125132-01)

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