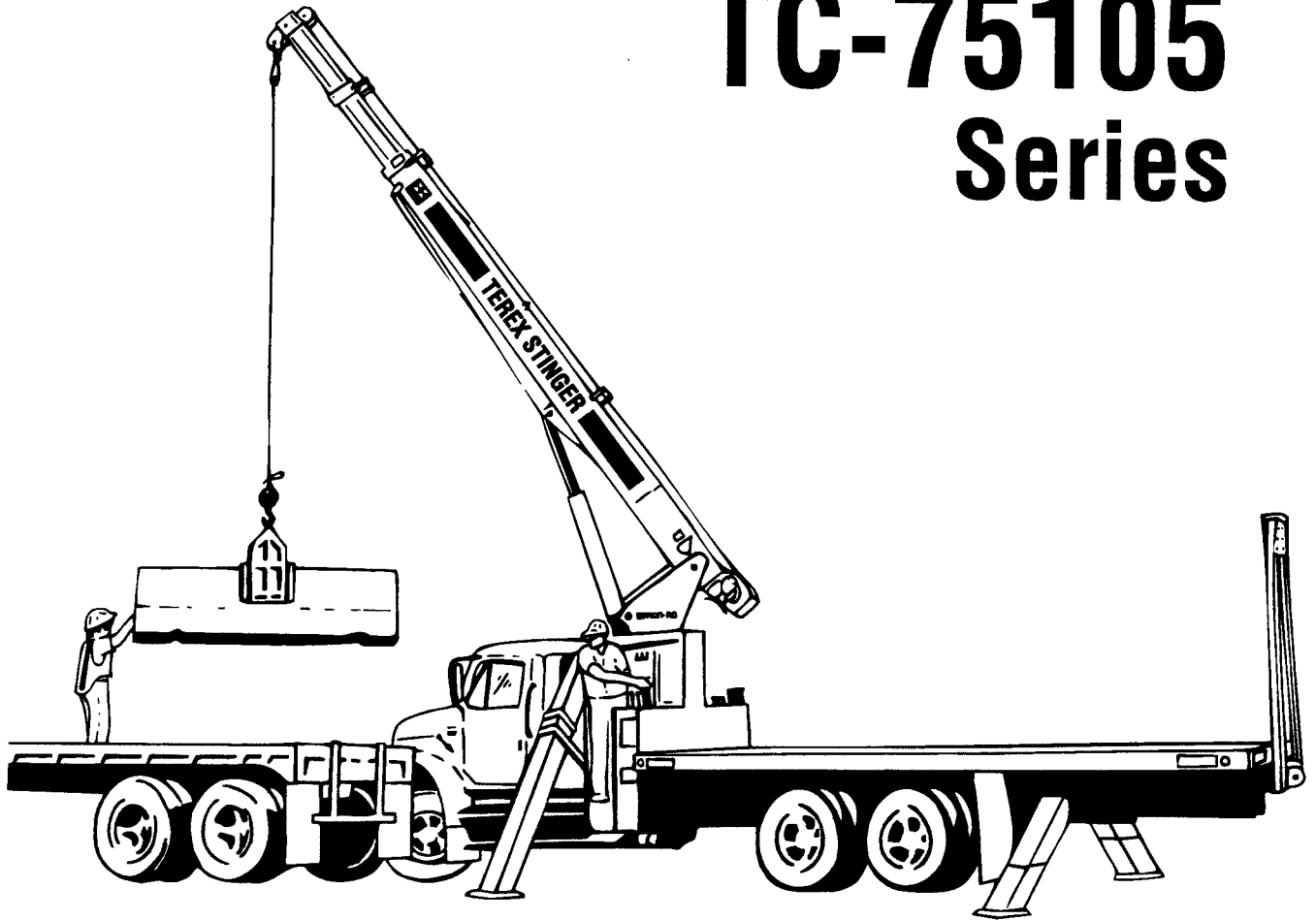


PARTS MANUAL

TC-75105 Series



STINGER® Truck-Mounted Cranes

TC-75105

Truck Crane

Parts Manual

990-10152 (6/95)

This **TEREX CRANES** parts manual is supplied to aid you in the location and correct identification of component parts replacement and is based upon **TEREX CRANES** assembly standards at the time of manufacture.

The **TEREX CRANES** parts manual will enable you to maintain your unit according to the manufacturer's recommendations. This unit is not to be altered or modified without prior factory approval.

NOTICE

If this crane becomes involved in an accident resulting in property damage or personal injury, please contact your local **TEREX CRANES** dealer or the **TEREX CRANES** service department at (913) 782-1200 **IMMEDIATELY**.

All illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. Right is reserved to make changes at any time, without notice, in specifications, material, and descriptions.

MADE IN THE U.S.A.

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This manual is delivered for the sole purpose of operating and maintaining specific equipment for its intended use and shall not be copied or information contained herein delivered to third parties without prior written approval of **TEREX CRANES**.

 **TEREX CRANES**

INFORMATION

LOCATING PARTS

IN ORDER TO LOCATE A SPECIFIC PART, FIRST DETERMINE THE ASSEMBLY GROUP WITHIN WHICH IT WOULD MOST LIKELY BE CONTAINED. AFTER LOCATING THE GROUP IDENTIFICATION PAGE FOR THAT GROUP, REVIEW THE TABLE OF CONTENTS FOR THE ILLUSTRATION WHICH WOULD MOST LIKELY DETAIL THE PART IN QUESTION. OPPOSITE EACH ILLUSTRATION IS IT'S CORRESPONDING PART LIST. THESE ARE SPECIFICALLY IDENTIFIED BY ILLUSTRATION NAME AND MODEL NUMBER. ALWAYS BE SURE THAT YOU ARE USING THE CORRECT ILLUSTRATION FOR YOUR MODEL WHEN LOCATING AND IDENTIFYING PARTS.

READING THE PARTS LIST

EACH PARTS LIST CONTAINS, FROM LEFT TO RIGHT, AN ITEM NUMBER, CORRESPONDING REPLACEMENT PART NUMBER, A DESCRIPTION OF THE PART, AND A QUANTITY REQUIRED FOR ASSEMBLY. QUANTITIES MAY VARY DUE TO TRUCK AND/OR MANUFACTURER'S SPECIFICATIONS. IN THESE INSTANCES AN A/R WILL APPEAR IN THE QUANTITY COLUMN.

VALUES FOR ALL BOOM LENGTHS						
50'	55'	60'	65'	70'	75'	78'
1850	2450	3200	4050	5000	6100	6300
1350	1650	2250	2500	2850	3000	3250

RO	75105
	25 TON • 10 FEET
MAXIMUM LOAD CHART MAXIMUM OUTRIGGER SPREAD	
9786, 5012939	CANADA PAT. NO. 1097265

ORDERING INFORMATION

EACH SIMON-RO CORPORATION UNIT IS ASSIGNED A MODEL AND UNIT SERIAL NUMBER. THE MODEL NUMBER IS LOCATED ON THE LOWER RIGHT HAND CORNER OF THE MAXIMUM LOAD CHART. THE MODEL AND SERIAL NUMBERS ARE STAMPED ON THE TRUCK CRANE VIN PLACARD MOUNTED ON THE BACK OF THE TURRET.

MODEL NUMBER	<input style="width: 100%;" type="text"/>
SERIAL NUMBER	<input style="width: 100%;" type="text"/>
MANUFACTURED BY	
SIMON-RO	
OLATHE, KANSAS 66061 913-782-1200	

IMPORTANT

IT IS MANDATORY THAT THE MODEL NUMBER AND UNIT SERIAL NUMBER BE INCLUDED ALONG WITH PART NUMBER(S), DESCRIPTION, AND QUANTITY WITH ANY ORDER

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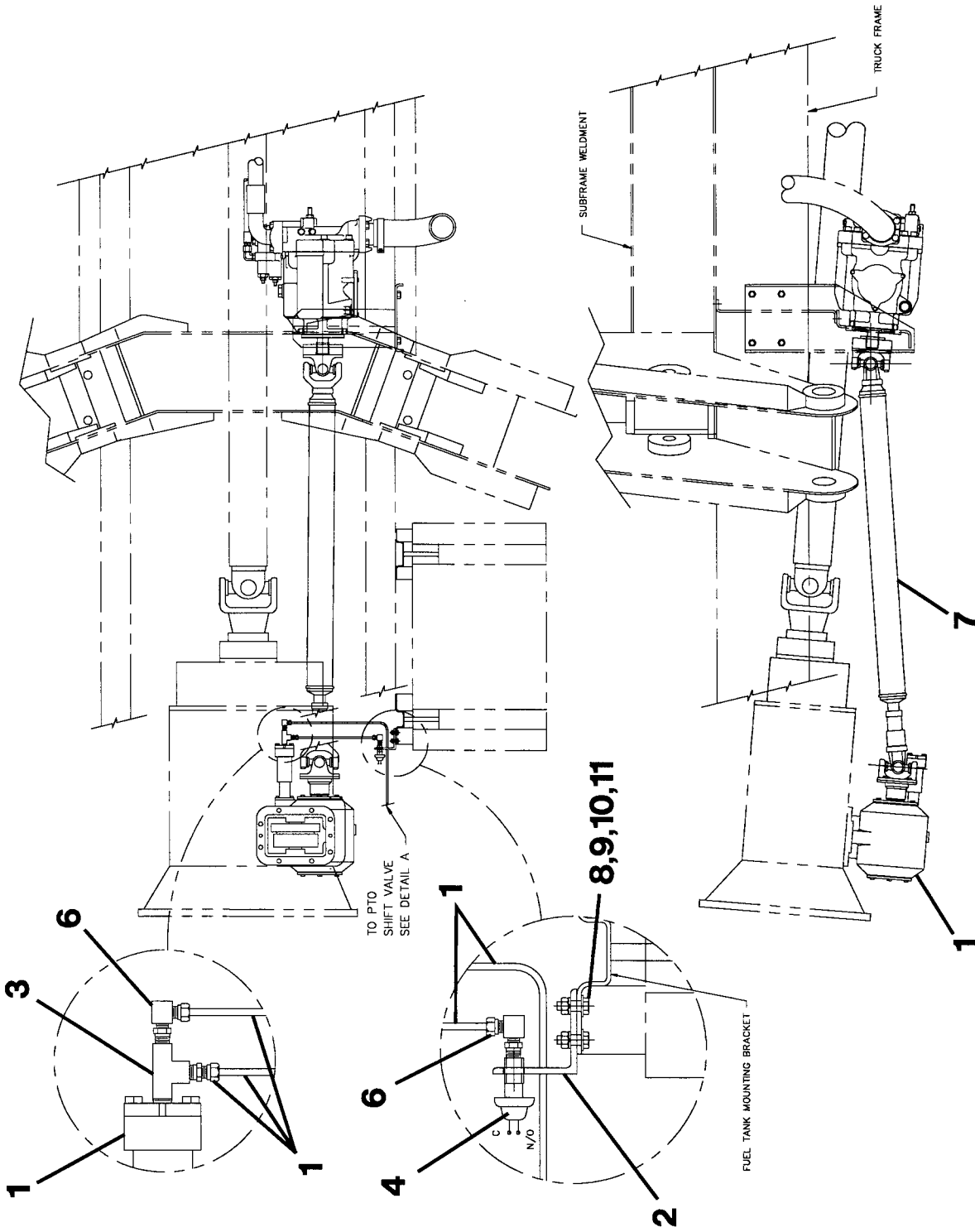
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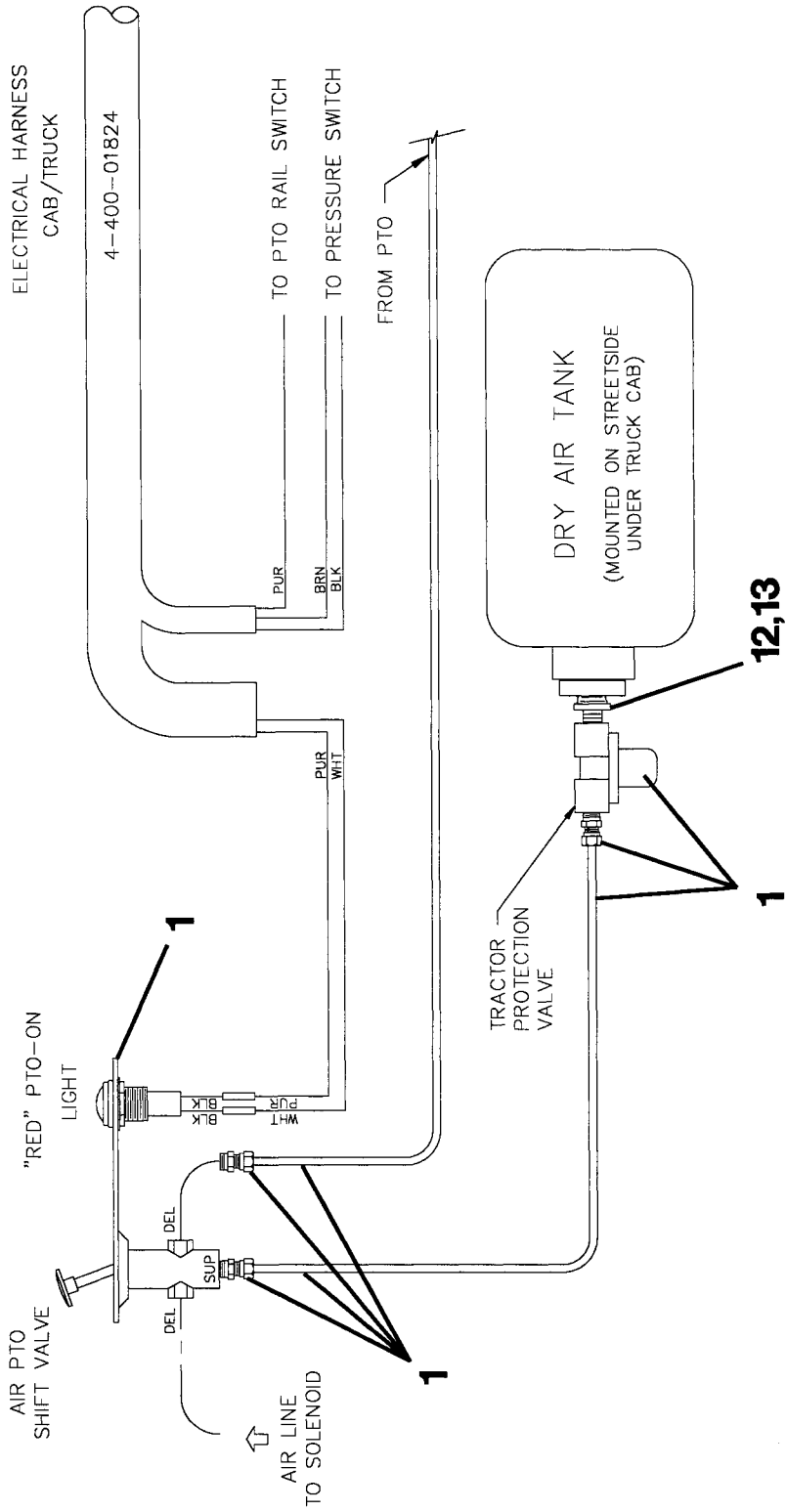
P-2608

PTO INSTALL GROUP - FULLER 7608LL

1.0



350-00179



DETAIL A

TRUCK PREP P/N	DRIVELINE P/N (#7)	LENGTH
690-00398	333-10082	48.0
690-00400	333-10083	49.5
690-00401	333-10084	64.12
690-00405	333-10086	59.25

P-2709A.DWG

350-00179

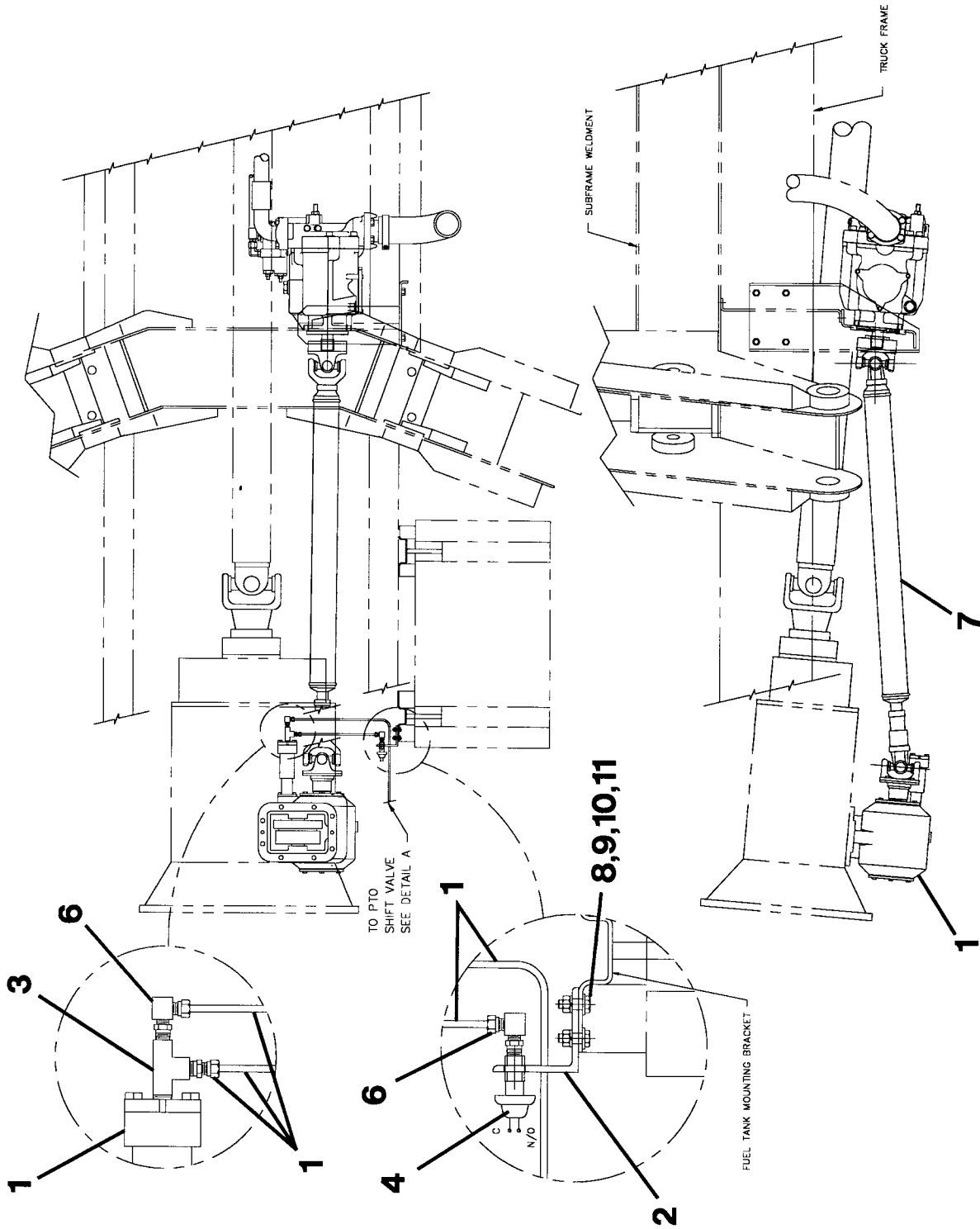
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	350-00172	.PTO KIT - MUNCIE - RTO7608LL	1
2	770-01642	.BRACKET - PRESSURE SWITCH MOUNTING	1
3	570-50027	.STREET TEE - 1/4NPT BRASS	1
4	400-04994	.PRESSURE SWITCH - NASON #SM-2A-60F	1
5	400-04990	.BOOT - PRESSURE SWITCH	1
6	300-32013	.ELBOW - 1/4 TUBE x 1/8 MPT	2
7	SEE TABLE	.DRIVELINE - HYDRAULIC PUMP	1
8	220-00001	.BOLT 1/4NC x 1" LONG	2
9	221-00001	.HEX NUT - 1/4NC	2
10	222-10005	.LOCKWASHER - 1/4 MED	2
11	222-00006	.FLATWASHER - 1/4 MED	2
12	570-01040	.NIPPLE - 1/4 NPT BRASS	1
13	570-42002 P-2709.D	.REDUCER BUSHING - 1/2 NPT x 1/4 NPT	1

PTO INSTALL GROUP - FULLER 7608LL

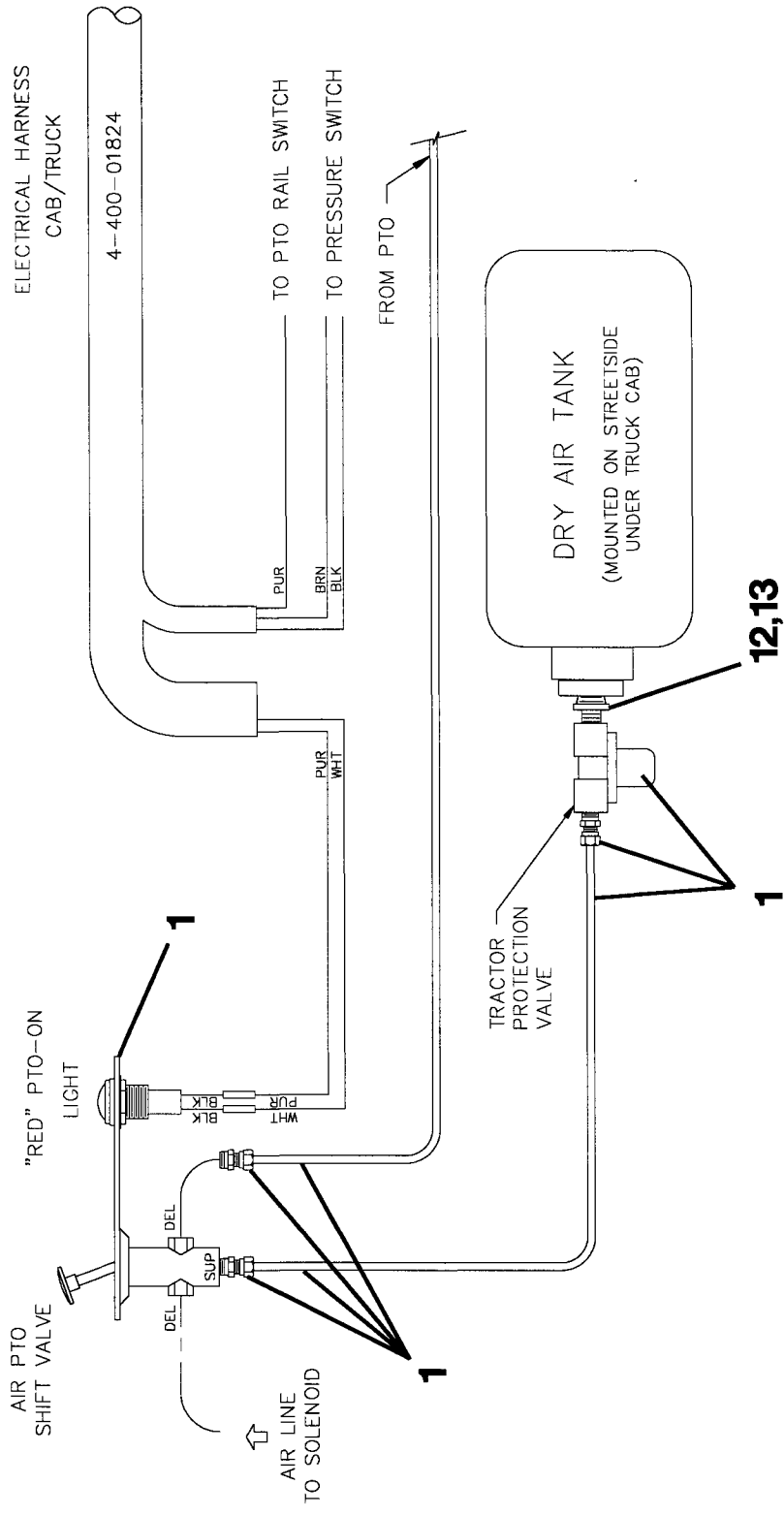
350-00179

PTO INSTALL GROUP - FULLER 14708LL

1.0



350-00169



DETAIL A

TRUCK PREP P/N	DRIVELINE P/N (#7)	LENGTH
690-00398	333-10082	48.0
690-00400	333-10083	49.5
690-00401	333-10084	64.12
690-00405	333-10086	59.25

350-00169

P-2708A.DWG

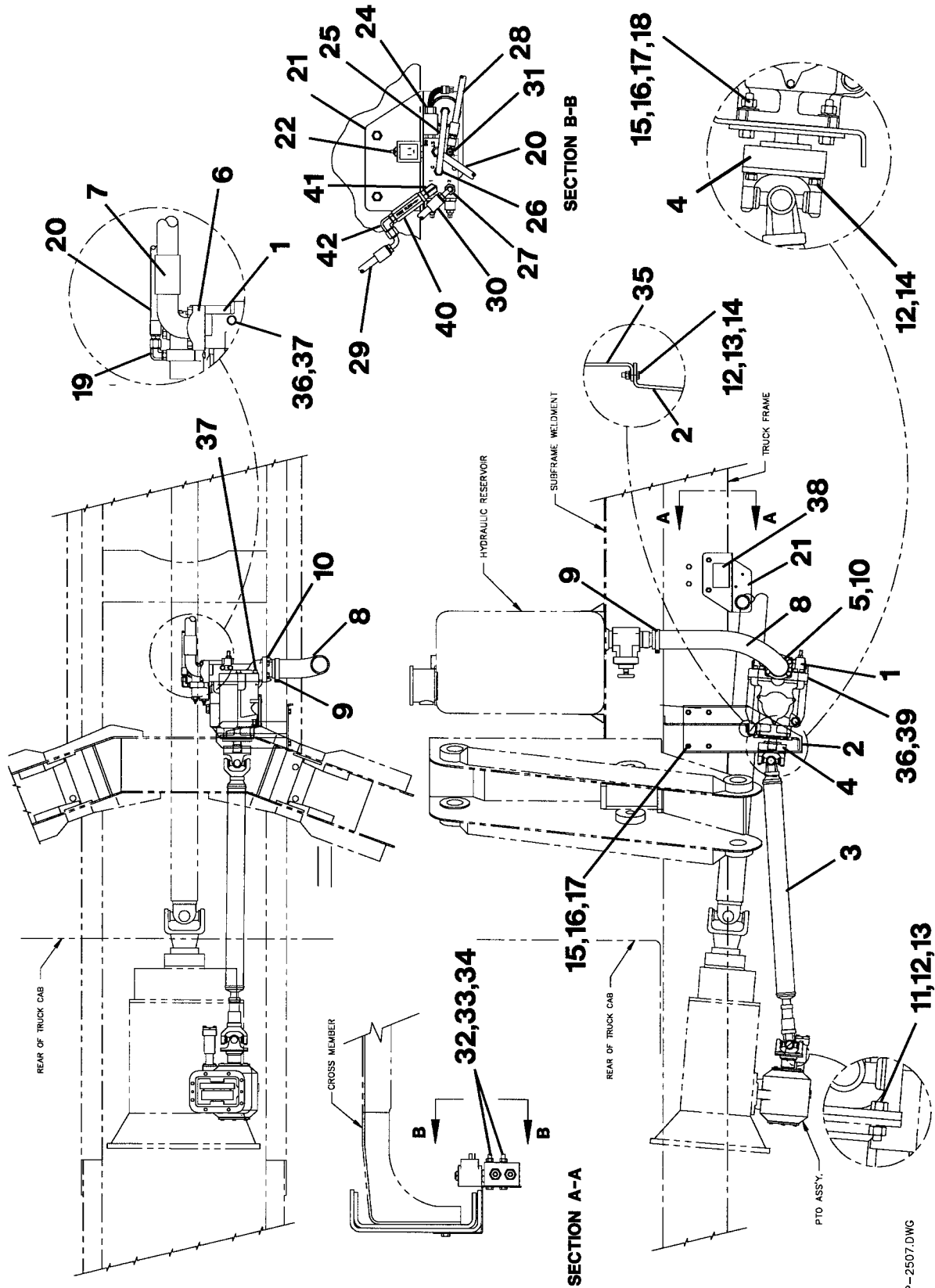
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	350-00163	.PTO KIT - MUNCIE - RTO 14708LL	1
2	770-01642	.BRACKET - PRESSURE SWITCH MOUNTING	1
3	570-50027	.STREET TEE - 1/4NPT BRASS	1
4	400-04994	.PRESSURE SWITCH - NASON #SM-2A-60F	1
5	400-04990	.BOOT - PRESSURE SWITCH	1
6	300-32013	.ELBOW - 1/4 TUBE x 1/8 MPT	2
7	SEE TABLE	.DRIVELINE - HYDRAULIC PUMP	1
8	220-00001	.BOLT 1/4NC x 1" LONG	2
9	221-00001	.HEX NUT - 1/4NC	2
10	222-10005	.LOCKWASHER - 1/4 MED	2
11	222-00006	.FLATWASHER - 1/4 MED	2
12	570-01040	.NIPPLE - 1/4 NPT BRASS	1
13	570-42002 P-2708.D	.REDUCER BUSHING - 1/2 NPT x 1/4 NPT	1

PTO INSTALL GROUP - FULLER 14708LL

350-00169

PUMP INSTALLATION

1.1



521-00046

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	520-30030	.PUMP - HYDRAULIC	1
2	771-00190	.PUMP - SUPPORT	1
3	333-10082	.PUMP - DRIVELINE	1
4	333-30025	.ADAPTER - DRIVELINE	1
5	519-90121	.ADAPTER - 4-BOLT FLANGE 2 1/2	1
6	505-03005	.KIT - FLANGE 4-BOLT 1 1/4	1
7	502-60119	.HOSE ASSEMBLY - PUMP/MANIFOLD	1
8	503-06006	.HOSE SUCTION - TANK/PUMP	1
9	201-00140	.CLAMP - T-BOLT	2
10	505-06004	.KIT - FLANGE 4-BOLT 2 1/2	1
11	220-02004	.BOLT - HEX HD, 3/8-16NC x 1" LONG	4
12	222-02004	.LOCKWASHER - 3/8 DIA	10
13	221-02001	.NUT - HEX 3/8	6
14	220-02002	.BOLT - HEX HD, 3/8 x 1 1/4" LONG	6
15	220-04005	.BOLT - HEX HD, 1/2 x 1 1/2" LONG	8
16	222-14003	.LOCKWASHER - 1/2 DIA	8
17	221-04001	.NUT - HEX 1/2	8
18	222-04001	.FLATWASHER - 1/2 DIA	4
19	514-54004	.ELBOW - 90°, #6 OFS x #6 ORB	1
20	502-20865	.HOSE ASSEMBLY - LOAD SENSE (PUMP/VALVE)	1
21	770-02111	.BRACKET - VALVE SUPPORT	1
22	559-00196	.VALVE - UNLOAD	1
	551-10126	..COIL - SOLENOID	1
23	600-40385	.GAUGE - 0-6000 PSI	1
24	400-05337	.SWITCH - PRESS	1
25	502-11171	.HOSE - GAUGE ASSEMBLY	1
26	513-20017	.CONNECTOR - STRAIGHT #4	1
27	513-40014	.CONNECTOR - STRAIGHT #6	3
28	502-11173	.HOSE ASSEMBLY - DRAIN	1
29	502-20867	.HOSE ASSEMBLY - LOAD SENSE (VALVE/CENTERPOST)	1
30	502-20863	.HOSE ASSEMBLY - LOAD SENSE (VALVE/OUTRIGGER)	1
31	514-52003	.ELBOW - 90°, #4 OFS	1
32	220-01002	.BOLT - HEX HD, 5/16 x 2 3/4" LONG	2
33	222-11002	.LOCKWASHER - 5/16 DIA	2
34	221-01001	.NUT - HEX 5/16	2
35	783-03321	.BAR - PUMP SUPPORT (FRONT)	1
36	513-00006	.ADAPTER - METRIC CONNECTOR	1
37	785-01887	.BAR - PUMP SUPPORT (REAR)	1
38	519-20002	.CAP - TUBE #4 OFS	1
39	221-01001	.NUT - HEX 5/16	2
40	552-10262	.CHECK VALVE - LINE MOUNT	1
41	514-54005	.ELBOW - S.N. #6 OFS	1
42	514-54004	.ELBOW - #6 OFS	1

P-2507.D

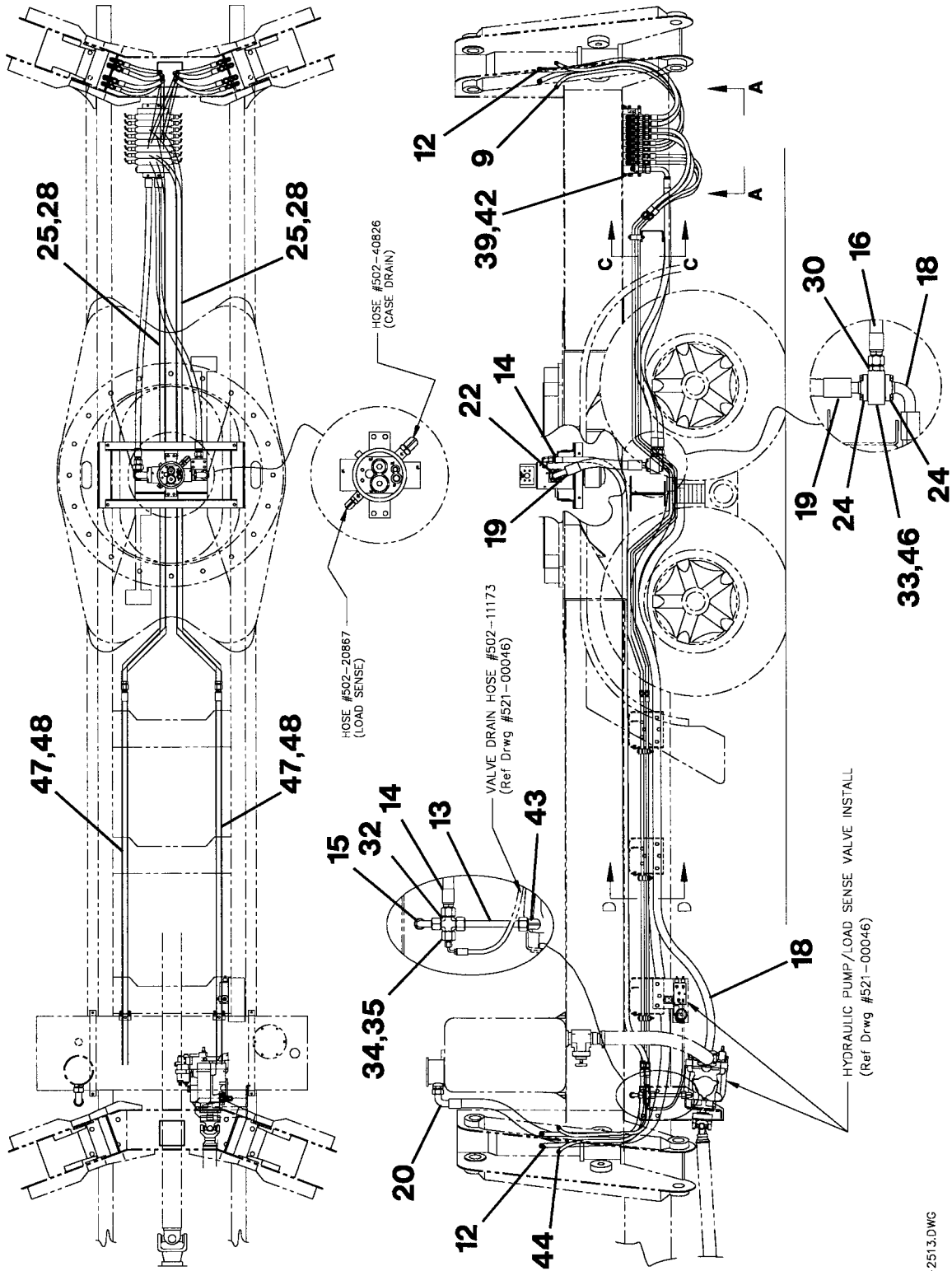
* NOTE:

DRIVETRAIN LENGTH AND PART NUMBER DEPENDS ON TRUCK SERIAL NUMBER AND CHASSIS USED.

521-00046

HYDRAULIC PIPING GROUP - LWR

1.2



500-01651

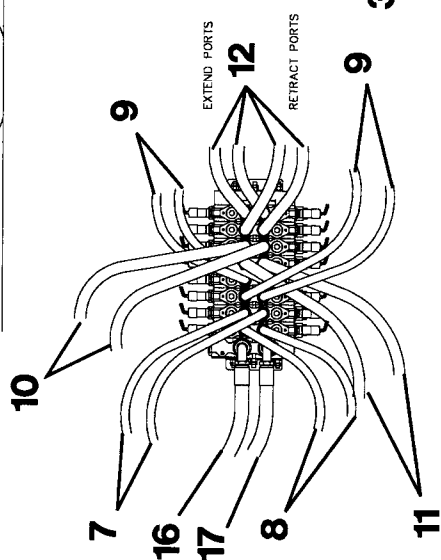
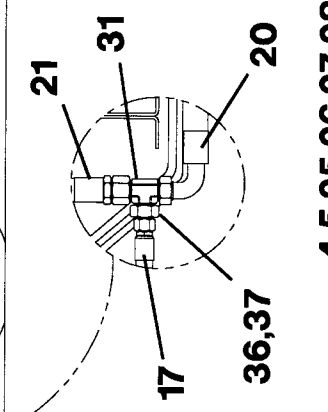
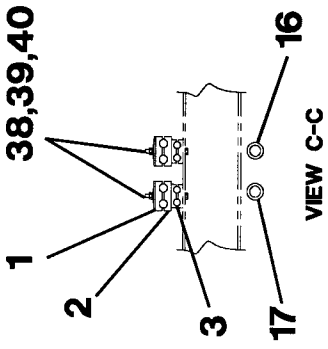
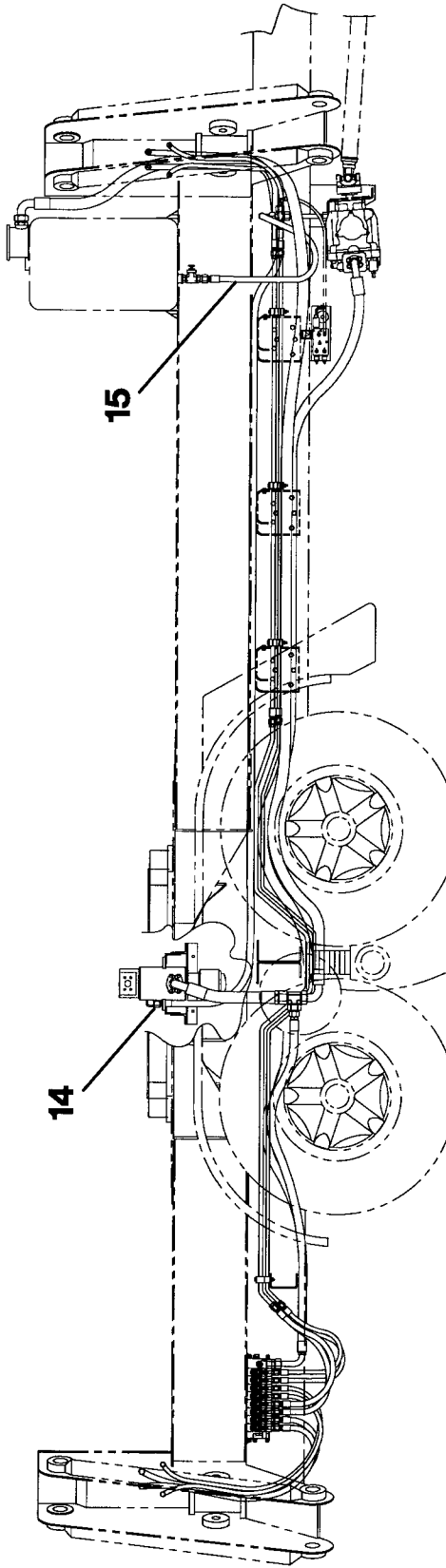
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	201-00194	.PLATE - COVER-CLAMP BLOCK	8
2	201-00225	.BLOCK - CLAMP-DOUBLE TUBE	8
3	201-00226	.BLOCK - CLAMP-DOUBLE TUBE	8
4	260-00003	.O-RING	8
5	260-00017	.O-RING	8
6	500-01642	.VALVE SUBASSY - OUTRIGGER CONTROL (SEE 1.8.1.4)	1
7	502-30632	.HOSE ASSEMBLY, CYLINDER	2
8	502-30633	.HOSE ASSEMBLY, OUTRIGGER CYLINDER	2
9	502-30634	.HOSE ASSEMBLY, OUTRIGGER CYLINDER	4
10	502-35046	.HOSE ASSEMBLY, OUTRIGGER CYLINDER	2
11	502-35047	.HOSE ASSEMBLY, OUTRIGGER CYLINDER	2
12	502-35048	.HOSE ASSEMBLY, OUTRIGGER CYLINDER	8
13	510-70834	.TUBE ASSEMBLY, CASE DRAIN	1
14	502-40826	.HOSE ASSEMBLY, RETURN	1
15	502-40827	.HOSE ASSEMBLY, DRAIN	1
16	502-50437	.HOSE ASSEMBLY, SUPPLY	1
17	502-50438	.HOSE ASSEMBLY, RETURN	1
18	502-60119	.HOSE ASSEMBLY, SUPPLY	1
19	502-60120	.HOSE ASSEMBLY, SUPPLY	1
20	502-70033	.HOSE ASSEMBLY, RETURN	1
21	502-70034	.HOSE ASSEMBLY, RETURN	1
22	505-03001	.FLANGE KIT, SPLIT	1
23	505-03003	.FLANGE KIT, SPLIT	1
24	505-03005	.FLANGE KIT, SPLIT	2
25	510-60018	.TUBE ASSEMBLY - FRONT SS CYLINDER	2
26	510-60019	.TUBE ASSEMBLY - FRONT CS CYLINDER	2
27	510-70832	.TUBE ASSEMBLY - FRONT CS CYLINDER	2
28	510-70833	.TUBE ASSEMBLY - FRONT SS CYLINDER	2
29	785-01846	.SUPPORT ANGLE - TUBE CLAMP	6
30	513-90032	.CONNECTOR - #16 OFS x #16 ORB	1
31	516-49005	.CONNECTOR - TUBE TEE, #24 OFS	1
32	517-40008	.CONNECTOR - CROSS TUBE, #12 OFS	1
33	559-00192	.MANIFOLD - HIGH PRESSURE	1
34	519-70034	.REDUCER - TUBE, #12 OFS x #4 OFS	1
35	511-70004	.NUT - #12 OFS	1
36	519-90123	.REDUCER - TUBE, #24 OFS x #16 OFS	1
37	511-90009	.NUT - #24 OFS	1
38	220-01011	.BOLT - HEX HD, 5/16 x 3 1/2 LONG	8
39	222-11002	.LOCKWASHER - 5/16 DIA	24
40	221-01001	.HEX NUT - 5/16	20
41	220-01005	.BOLT - HEX HD, 5/16 x 1 LONG	12
42	220-01004	.BOLT - HEX HD, 5/16 x 3/4 LONG	4
43	514-57011	.ELBOW - 90°, #12 OFS x #10 ORB	1
44	502-30641	.HOSE ASSY - OUTRIGGER (TUBE\BULKHEAD)	4
45	209-00470	.EDGING - SEAL TRIM	5'
46	517-30005	.PLUG - HEX HD, #4 ORB	1
47	510-60020	.TUBE ASSY - 5/8 DIA, O/R EXTEND	4
48	510-70835	.TUBE ASSY - 3/4 DIA, O/R EXTEND	4

P-2513

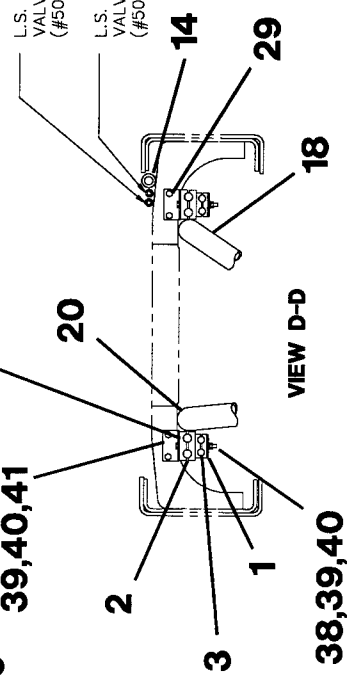
500-01651

HYDRAULIC PIPING GROUP - LWR

1.2



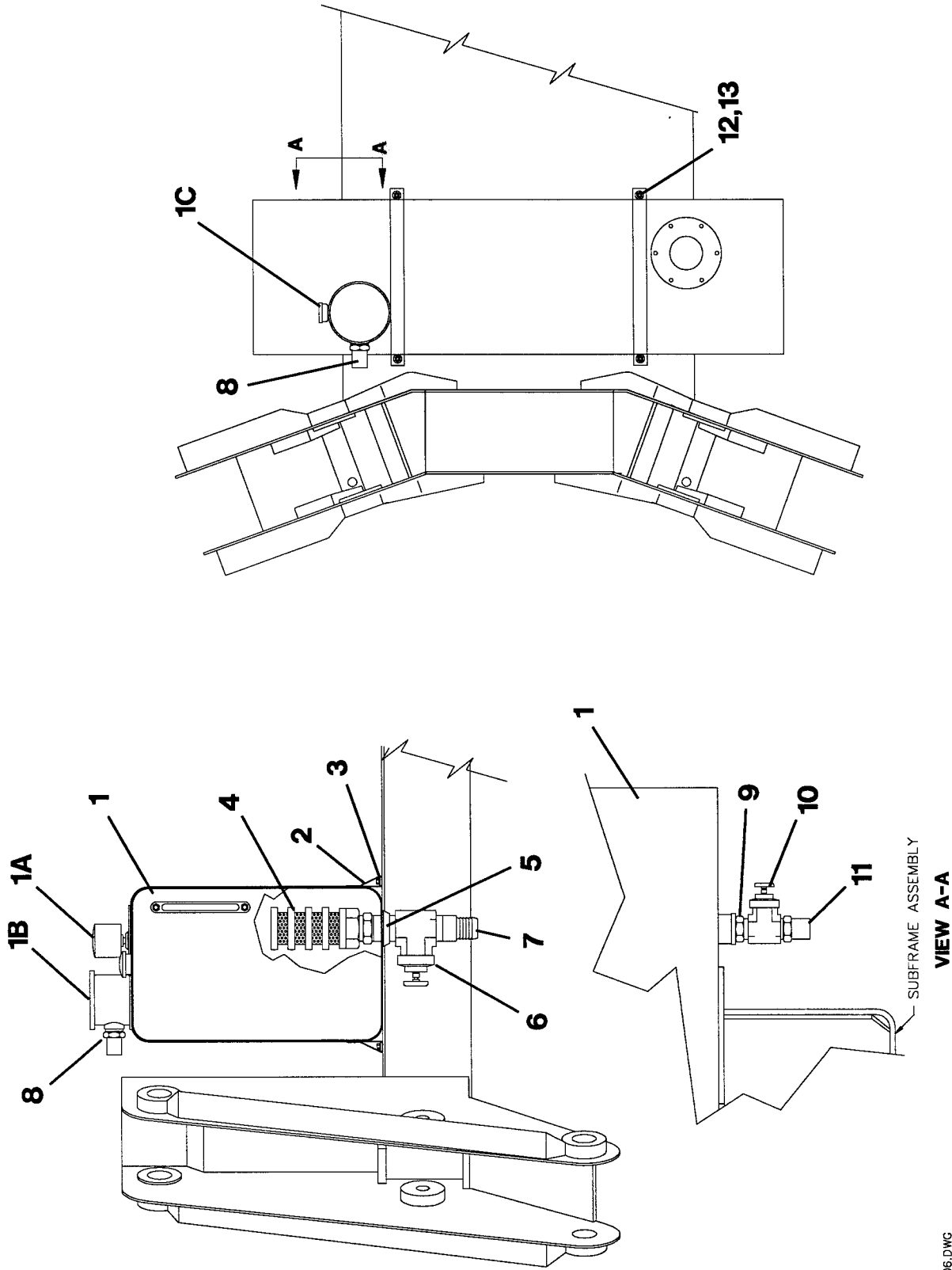
L.S. HOSE FROM CONTROL VALVE TO O/R VALVE. (#502-20868)
 L.S. HOSE FROM CONTROL VALVE TO CENTERPOST. (#502-20867)



500-01651

RESERVOIR INSTALLATION

1.3

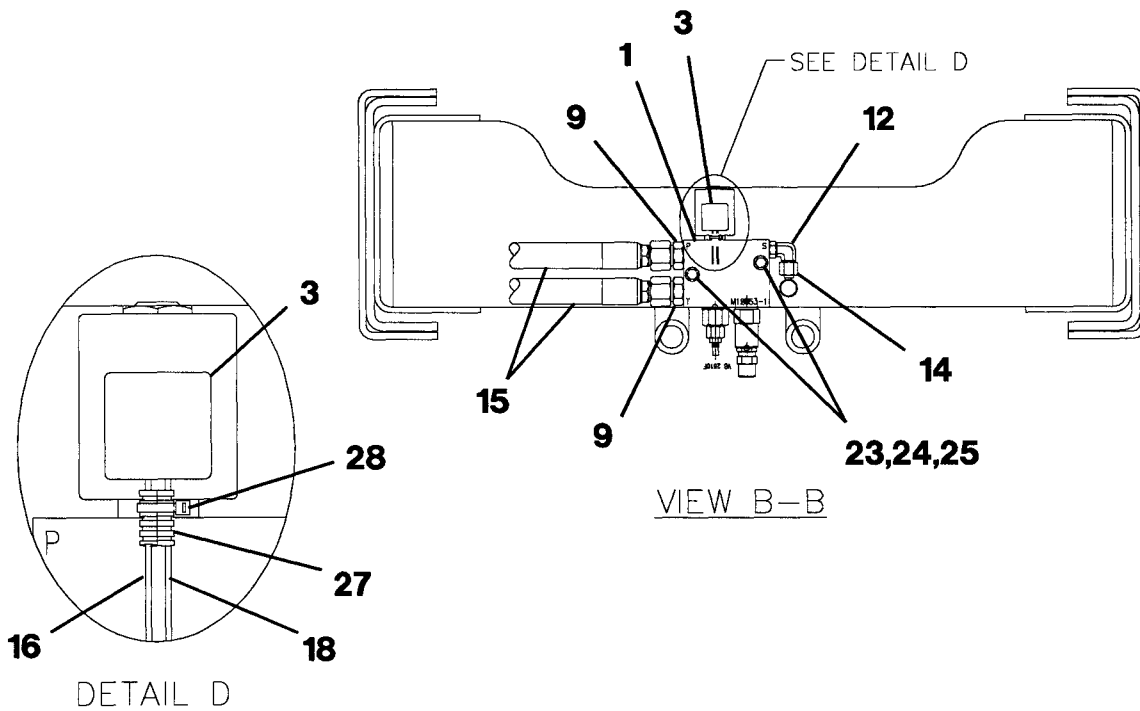
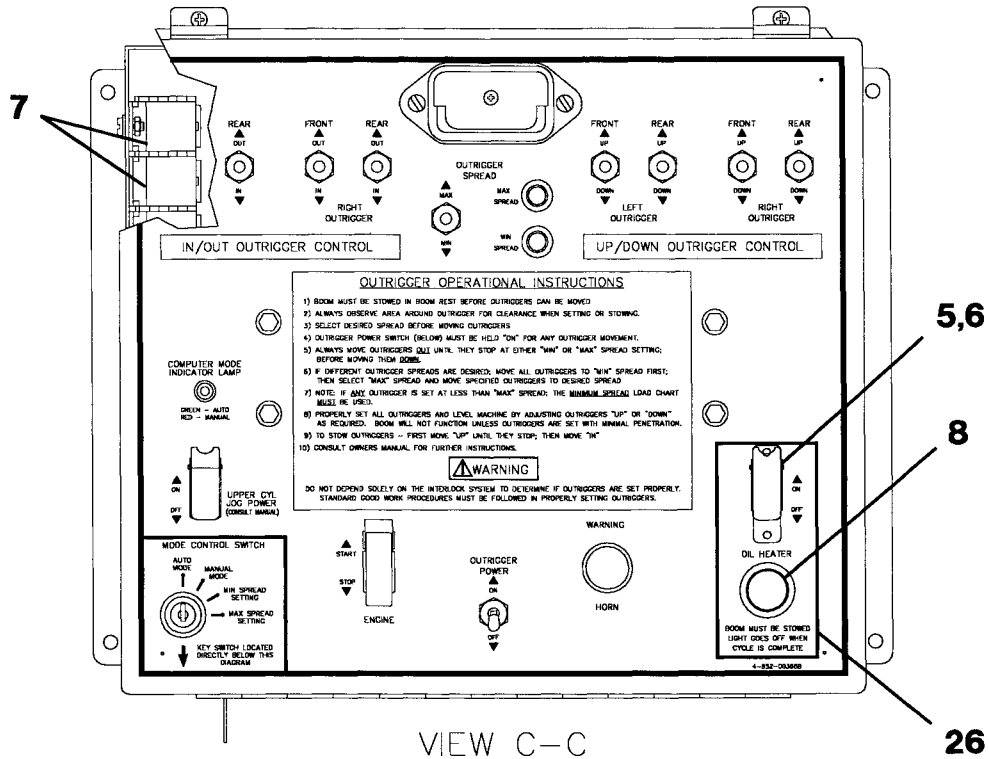


876-00037

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	875-10207	.RESERVOIR ASSEMBLY	1
1A	875-90138	..FILTER - TANK BREATHER	1
1B	501-01031	..ELEMENT - HYDRAULIC RETURN FILTER	1
1C	935-00113	..GAUGE - FILTER BYPASS	1
2	875-90269	.STRAP - SUPPORT RESERVOIR	2
3	873-03023	.BAR - STRAP SUPPORT	4
4	552-00122	.STRAINER - SUCTION-MAGNETIC	1
5	570-09005	.NIPPLE - CLOSE 2 1/2	1
6	570-90055	.VALVE ASSY - 2 1/2 GATE	1
7	504-00902	.NIPPLE - COMBINATION 2 1/2 NPT	1
8	513-90055	.CONNECTOR - #24 OFS x #24 ORB	1
9	513-70034	.CONNECTOR - 3/4 MPT x #12 ORB	1
10	570-90042	.VALVE ASSY - 3/4 GATE	1
11	513-70032	.CONNECTOR - #12 OFS x 3/4 MPT	1
12	220-02004	.BOLT - HEX HD, 3/8 x 1" LONG	4
13	222-12001	.LOCKWASHER - 3/8 DIA	4
	P-2506.D		

RESERVOIR INSTALLATION

876-00037

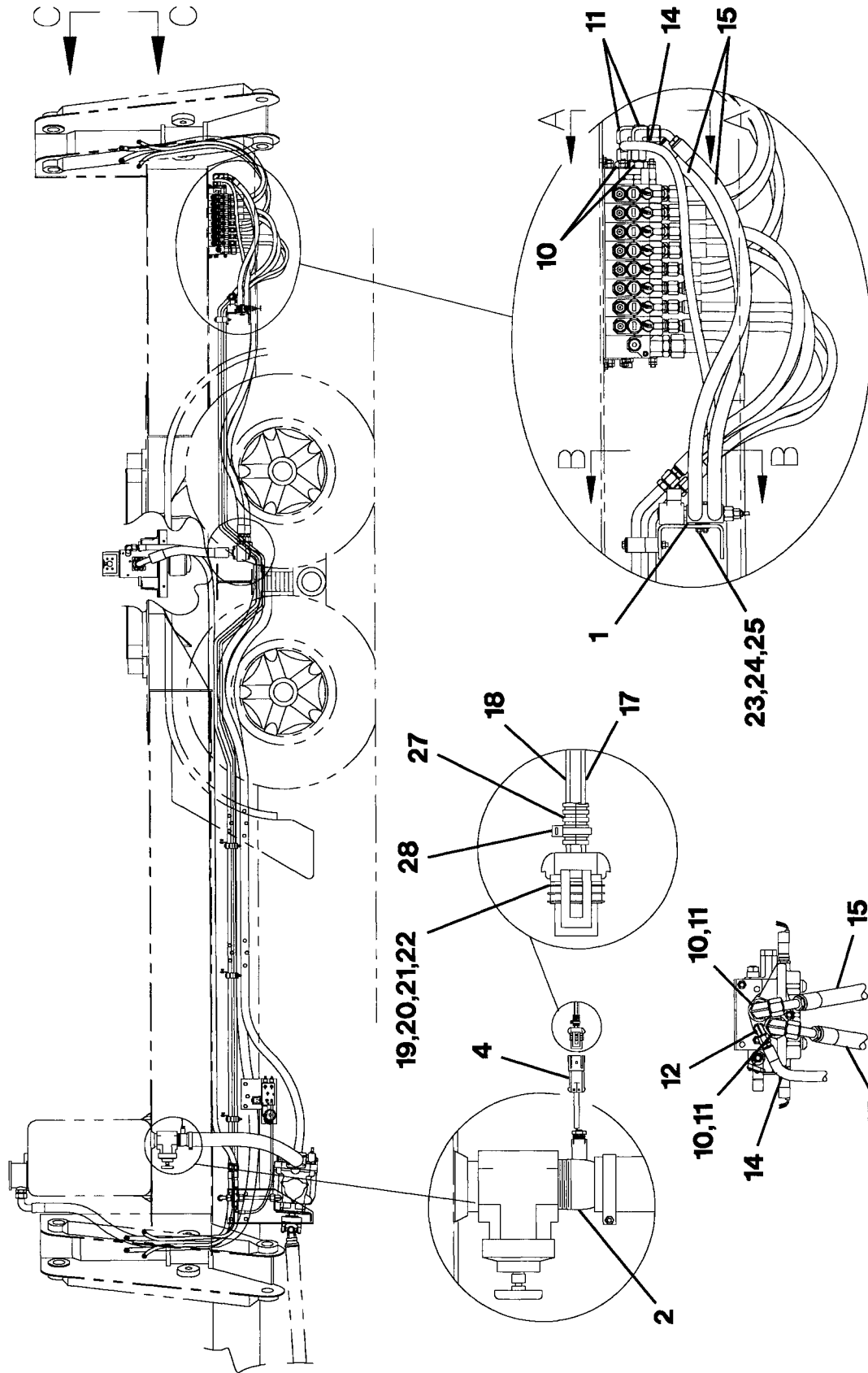


OIL PREHEAT INSTALLATION

P-2714

500-80001

P-2714A



VIEW A-A

500-80001

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	559-00206	.VALVE - OIL PREHEAT ASSEMBLY	1
	551-10126	..COIL - SOLENOID	1
2	519-90129	.NIPPLE - 3/8 TO 2 1/2 WELDMENT	1
3	400-23221	.CONNECTOR - DIN	1
4	400-24003	.SWITCH - OIL PREHEAT TEMPERATURE SUBASSEMBLY	1
5	400-04034	.SWITCH - TOGGLE	1
6	400-04036	.GUARD - SWITCH	1
7	400-05459	.RELAY	2
8	400-09255	.LIGHT - PILOT RED	1
9	513-60012	.CONNECTOR	2
10	513-60009	.CONNECTOR	2
11	514-66003	.ELBOW - 90°	2
12	514-52006	.ELBOW - 90° LONG	1
13	514-53003	.ELBOW - 90°	1
14	502-11172	.HOSE - TRANSDUCER ASSEMBLY	1
15	502-35045	.HOSE - UPPER CYLINDER ASSEMBLY	2
16	400-01379	.WIRE - WHITE	8'
17	400-01376	.WIRE - RED	25'
18	400-01378	.WIRE - BLACK	4'
19	400-23193	.CONNECTOR - 2 WAY	1
20	400-23188	.LOCK - SECONDARY 2 WAY	1
21	400-23197	.TERMINAL - FEMALE	2
22	400-23199	.SEAL - CABLE	2
23	220-00005	.BOLT - 1/4 x 2 1/2"	2
24	222-00006	.WASHER - FLAT 1/4	8
25	221-90001	.NUT - TOPLOCK 1/4	2
26	652-00416	.PLACARD - OIL HEATER	1
27	400-01411	.LOOM - SPLIT	35'
28	400-15086	.TIE - CABLE	4
29	400-24000	.BOX - ELECTRICAL OUTRIGGER CONTROLS	REF
30	400-02243	.RING - TERMINAL	4
31	400-15086	.RING - TERMINAL	2
32	400-02277	.RING - TERMINAL	2
33	400-02202	.CONNECTOR - BUTT	2

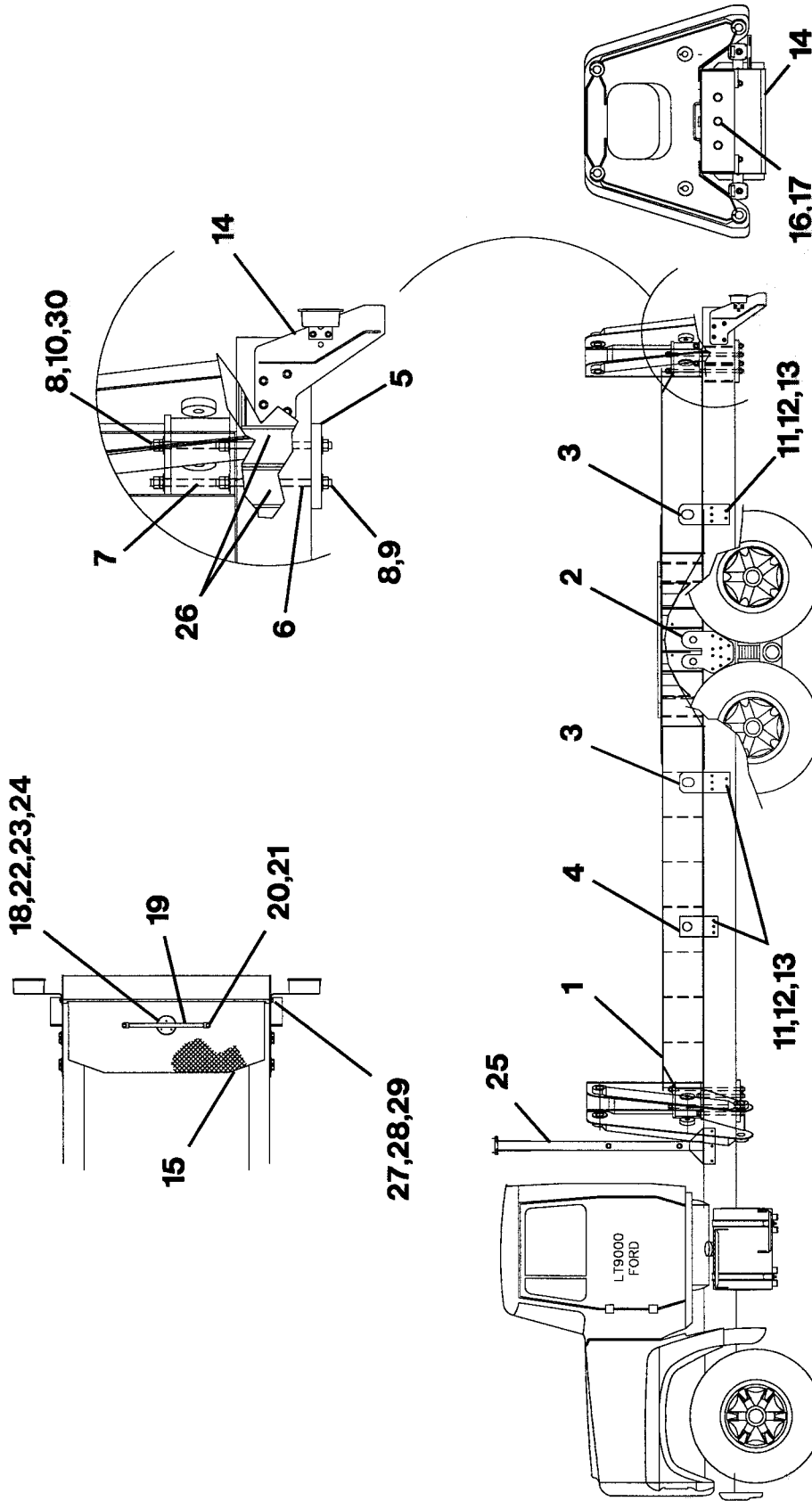
P-2714

OIL PREHEAT INSTALLATION

500-80001

SUBFRAME INSTALLATION LT9000

1.5



691-00013

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	700-00580	.SUBFRAME WELDMENT	REF
2	709-01460	.PLATE - MAIN SHEAR	2
3	709-01519	.PLATE - AUXILIARY SHEAR	4
4	709-01251	.PLATE - SHEAR	2
5	783-03274	.BAR - SUBFRAME TIEDOWN	4
6	220-09094	.STUD - TIEDOWN (SHORT)	8
7	220-09095	.STUD - TIEDOWN (LONG)	8
8	222-09004	.FLATWASHER - 1" DIA	32
9	221-99013	.HEX NUT - LOCK 1"	16
10	221-29007	.HEX NUT - 1"	16
11	220-06032	.BOLT - HEX HD, 5/8 x 2 1/2" LONG	46
12	222-06010	.FLATWASHER - 5/8 DIA	92
13	221-96002	.HEX NUT - TOPLOCK 5/8	46
14	600-22074	.GUARD - UNDERRIDE WELDMENT	1
15	789-04524	.PLATE - REAR FRAME COVER	1
16	400-09094	.LAMP - RED MARKER	3
17	400-09095	.GROMMET - LAMP MOUNTING	3
18	209-00577	.LEVEL INDICATOR	1
19	209-00444	.GRAB HANDLE	1
20	220-02047	.BOLT - HEX HD, 3/8 x 1" LONG	2
21	221-92001	.NUT - TOPLOCK #8	2
22	223-00102	.SCREW - MACHINE #8 x 3/4" LONG	3
23	221-00003	.NUT #8	3
24	222-10004	.LOCKWASHER - #8 DIA	3
25	698-00040	.BOOM REST INSTALLATION (SEE 1.10)	REF
26	021-40043	.CHANNEL - FRAME REINFORCEMENT	8
27	220-01005	.BOLT - HEX HD, 5/16 x 1" LONG	4
28	222-01001	.FLATWASHER - 5/16 DIA	8
29	221-91001	.HEX NUT - 5/16, TOPLOCK	4
30	221-29005	.HEX NUT - 1-14UNF, JAM	16

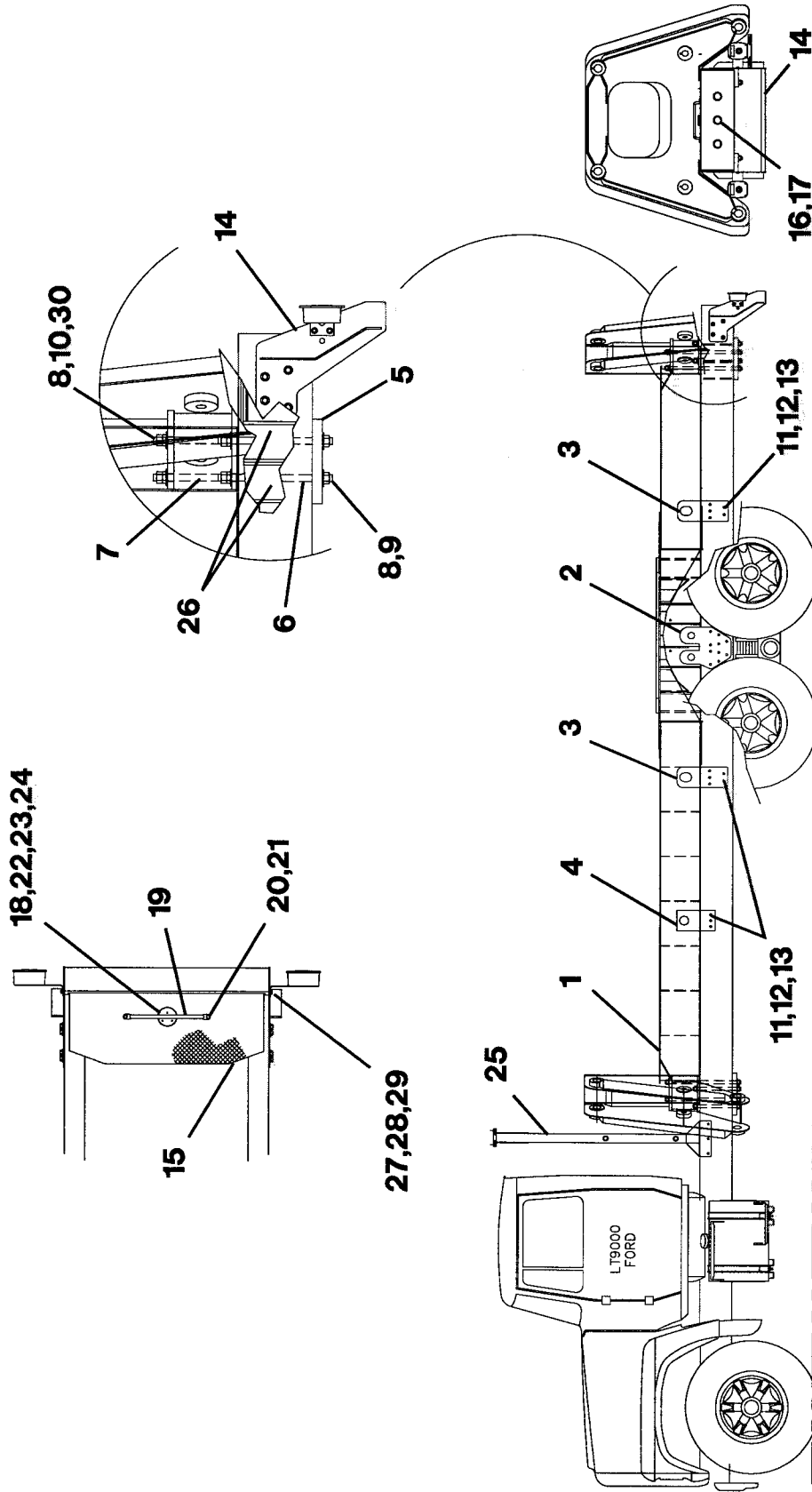
P-2536.D

SUBFRAME INSTALLATION LT9000

691-00013

SUBFRAME INSTALLATION LTS8000

1.5



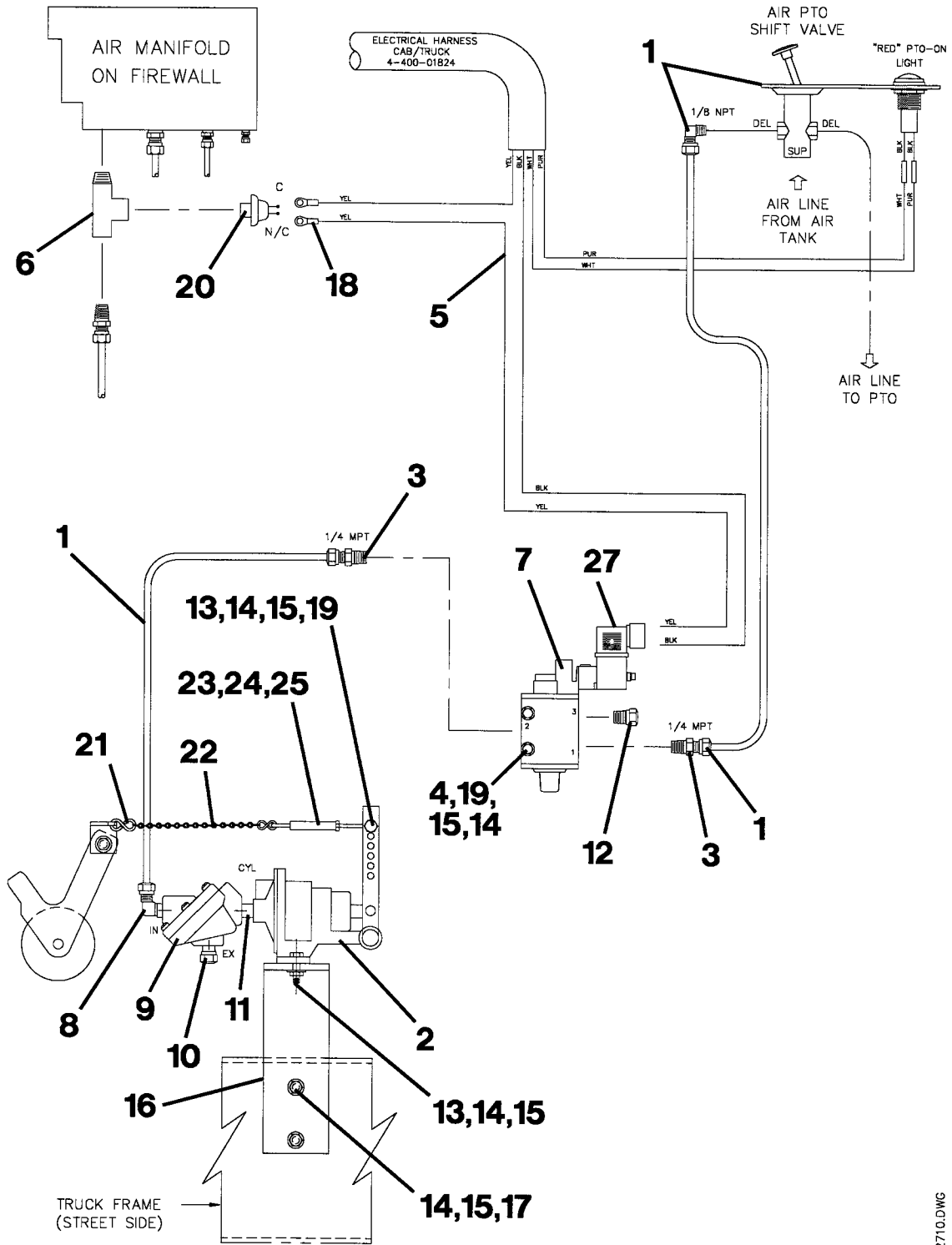
691-00015

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	700-00580	.SUBFRAME WELDMENT	REF
2	709-01542	.PLATE - MAIN SHEAR	2
3	709-01519	.PLATE - AUXILIARY SHEAR	4
4	709-01251	.PLATE - SHEAR	2
5	783-03274	.BAR - SUBFRAME TIEDOWN	4
6	220-09094	.STUD - TIEDOWN (SHORT)	8
7	220-09095	.STUD - TIEDOWN (LONG)	8
8	222-09004	.FLATWASHER - 1" DIA	32
9	221-99013	.HEX NUT - LOCK 1"	16
10	221-29007	.HEX NUT - 1"	16
11	220-06032	.BOLT - HEX HD, 5/8 x 2 1/2" LONG	46
12	222-06010	.FLATWASHER - 5/8 DIA	92
13	221-96002	.HEX NUT - TOPLOCK 5/8	46
14	600-22074	.GUARD - UNDERRIDE WELDMENT	1
15	789-04639	.PLATE - REAR FRAME COVER	1
16	400-09094	.LAMP - RED MARKER	3
17	400-09095	.GROMMET - LAMP MOUNTING	3
18	209-00577	.LEVEL INDICATOR	1
19	209-00444	.GRAB HANDLE	1
20	220-02047	.BOLT - HEX HD, 3/8 x 1" LONG	2
21	221-92001	.NUT - TOPLOCK #8	2
22	223-00102	.SCREW - MACHINE #8 x 3/4" LONG	3
23	221-00003	.NUT #8	3
24	222-10004	.LOCKWASHER - #8 DIA	3
25	698-00040	.BOOM REST INSTALLATION (SEE 1.10)	REF
26	021-40042	.CHANNEL - FRAME REINFORCEMENT	8
27	220-01005	.BOLT - HEX HD, 5/16 x 1" LONG	4
28	222-01001	.FLATWASHER - 5/16 DIA	8
29	221-91001	.HEX NUT - 5/16, TOPLOCK	4
30	221-29005	.HEX NUT - 1-14UNF, JAM	16

P-2537.D

SUBFRAME INSTALLATION LTS8000

AIR THROTTLE INSTALLATION



300-30091

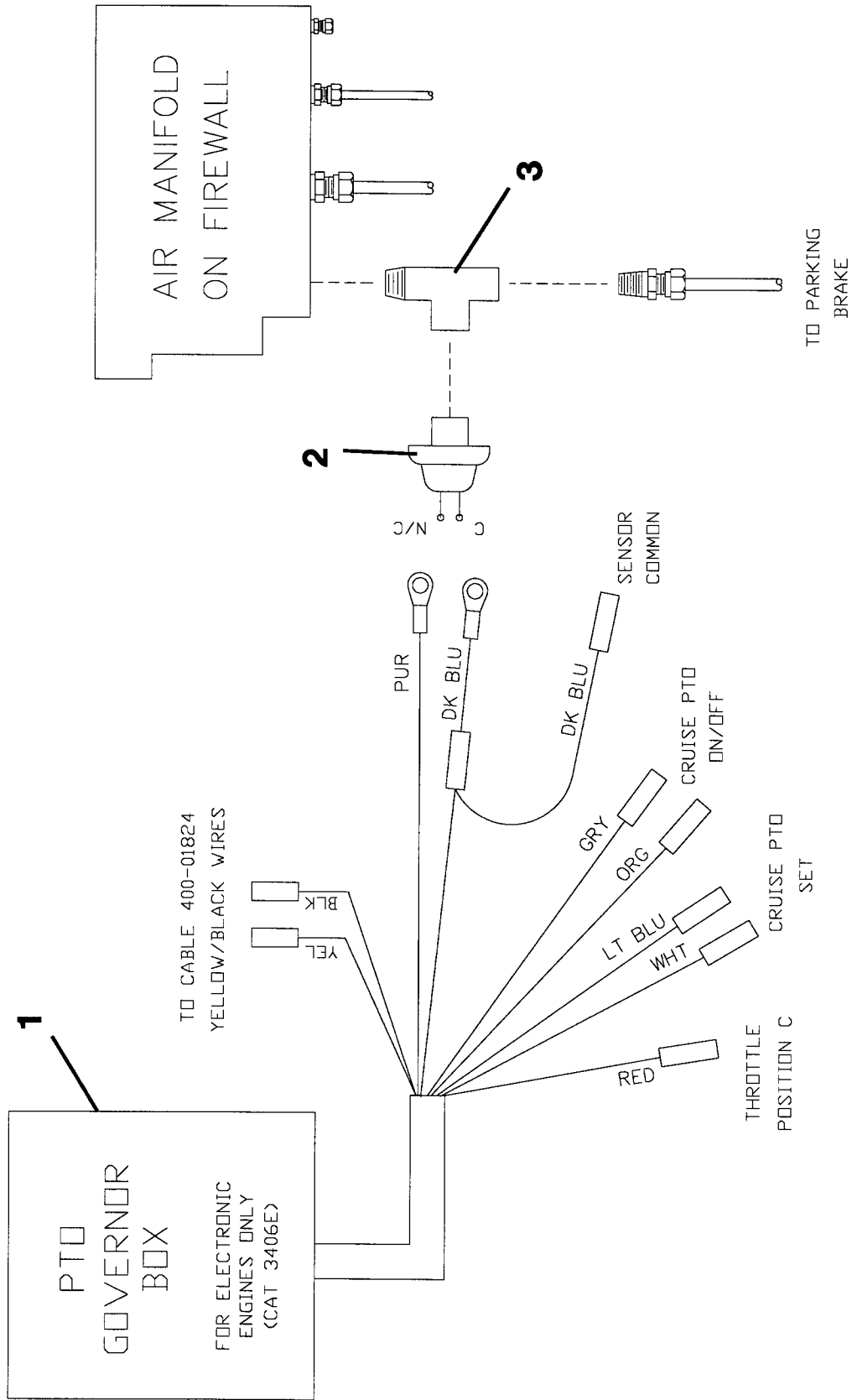
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	350-00163	.PTO KIT - MUNCIE	REF
2	300-00332	.THROTTLE AIR CYLINDER POSITIONER	1
3	300-32002	.CONNECTOR - 1/4 MPT x 1/4 TUBE	2
4	220-00006	.BOLT 1/4-20NC x 1 3/4" LONG	2
5	400-01377	.WIRE - YELLOW 16GA	1FT
6	570-50027	.STREET TEE - 1/4 NPT, BRASS	1
7	300-00309	.AIR SOLENOID VALVE - 12V 2POS 3WAY	1
8	300-32015	.90° ELBOW - 1/4 MPT x 1/4 TUBE	1
9	300-00464	.QUICK RELEASE AIR VALVE	1
10	300-00435	.AIR VENT BREATHER - 3/8 NPT	1
11	570-01017	.BRASS CLOSE NIPPLE - 1/4 NPT	1
12	300-00418	.BREATHER VENT - 1/4 OD	1
13	220-00001	.BOLT 1/4-20NC x 1" LONG	3
14	222-00006	.FLATWASHER - 1/4 DIA	10
15	221-90001	.LOCKNUT 1/4-20NC	7
16	785-01679	.AIR THROTTLE POSITIONER BRACKET	1
17	220-00008	.BOLT 1/4-20NC x 1 1/2" LONG	2
18	400-02243	.RING EYELET - 14/16 GA #10	2
19	222-10005	.LOCKWASHER 1/4 DIA	3
20	400-05381	.SWITCH - PRESSURE 0-60PSI	1
21	209-00359	.S-HOOK - #812	1
22	205-00005	.CHAIN - #16 JACK	1FT
23	209-00360	.S-HOOK - #813	1
24	209-00402	.TURNBUCKLE	1
25	221-00003	.HEX NUT #8-32NC	1
26	400-01411	.WIRE SPLIT LOOM - 1/4 DIA	12FT
27	400-23300	.RECTIFIER - SCHOITKY	1

P-2710

AIR THROTTLE INSTALLATION

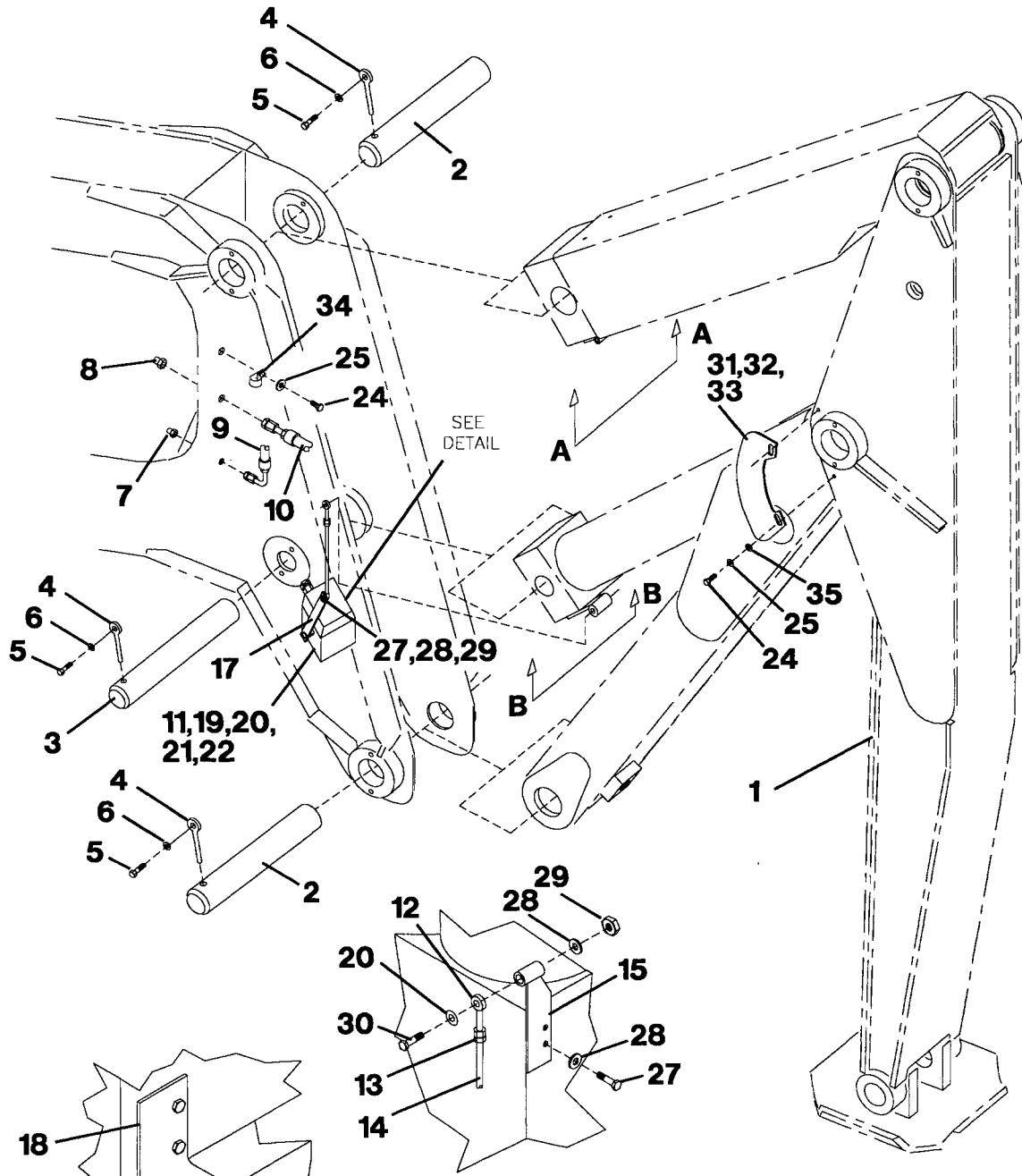
GOVERNOR INSTALLATION

1.7

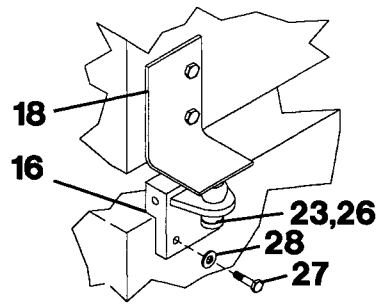


600-40390

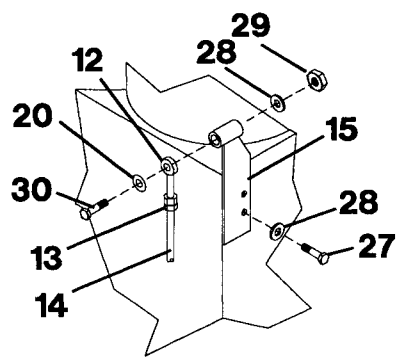
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-00947	.ELECTRICAL BOX - PTO GOVERNOR	1
2	400-05381	.SWITCH - PRESSURE 0-60PSI	1
3	570-50027	.STREET TEE - 1/4 NPT BRASS	1
*4	502-30640	.HOSE ASSY - FUEL COOLER SUPPLY	2
*5	514-65001	.ELBOW - 90° , 1/4 TUBE SWIVEL NUT	2
*6	785-01851	.ANGLE - FUEL COOLER SUPPORT, UPPER	1
*7	785-01853	.ANGLE - FUEL COOLER SUPPORT, LOWER	1
	P-2711		
	* NOT SHOWN		



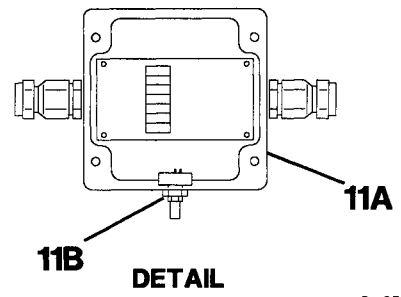
SEE
DETAIL



SECTION A-A
ROTATED
FOR CLARITY



SECTION B-B
ROTATED
FOR CLARITY



DETAIL

OUTRIGGER INSTALLATION

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	760-00339	.LEG ASSEMBLY - OUTRIGGER (SEE 1.8.1)	1
2	870-80008	.PIN - 2 3/4 x 14 1/2" LONG	2
3	870-60217	.PIN - 2 x 12" LONG	1
4	224-26005	.PIN - ROD 5/8 x 4 1/4" LONG	3
5	220-04002	.BOLT - HEX HD, 1/2 x 1 1/4" LONG	3
6	222-14003	.LOCKWASHER - 1/2 DIA	3
7	518-45002	.UNION - BULKHEAD, #8	2
8	518-55002	.UNION - BULKHEAD, #10	2
9	502-30631	.HOSE ASSEMBLY - LOWER CYLINDER	2
10	502-35045	.HOSE ASSEMBLY - UPPER CYLINDER	2
11	400-16059	.POSITION INDICATOR ASSEMBLY - LEFT FRONT	REF
	400-16060	.POSITION INDICATOR ASSEMBLY - RIGHT FRONT	REF
	400-16061	.POSITION INDICATOR ASSEMBLY - LEFT REAR	REF
	400-16062	.POSITION INDICATOR ASSEMBLY - RIGHT REAR	REF
11A	400-16045	..ANGLE POSITION ASSEMBLY (LESS CABLE & ARM)	1
11B	400-14024	...SENSOR - ANGLE POTENTIOMETER	1
12	809-00437	.ROD END - 1/4 BALL	4
13	221-10006	.HEX NUT - JAM, 1/4	2
14	229-00021	.STUD - 1/4 x 8 1/4" LONG	2
15	770-02088	.ACTUATOR - LOWER ASSEMBLY	1
16	770-02089	.ACTUATOR - UPPER ASSEMBLY	1
*17	809-00438	.ARM - ACTUATOR POTENTIOMETER	REF
18	875-01847	.SWITCH - ANGLE ACTUATOR	1
19	223-01130	.SCREW - MACHINE #10 x 1 1/4" LONG	8
20	222-00007	.FLATWASHER - #10 DIA	10
21	222-10006	.LOCKWASHER - #10 DIA	8
22	221-00002	.HEX NUT - #10-24NC	8
**23	400-15086	.TIEWRAPPS - MEDIUM	3
24	220-01005	.BOLT - HEX HD, 5/16 x 1" LONG	2
25	222-11002	.LOCKWASHER - 5/16 DIA	2
26	400-04213	.SWITCH	1
27	220-00001	.BOLT - HEX HD, 1/4 x 1" LONG	6
28	222-10005	.LOCKWASHER - 1/4 DIA	7
29	221-00001	.HEX NUT - 1/4-20UNC-2B	3
30	220-00007	.BOLT - HEX HD, 1/4-20UNC x 2" LONG	1
31	789-04708	.PLATE - PLACARD MOUNTING	1
***32	652-00411	.PLACARD - OUTRIGGER POSITION	REF
***33	652-00414	.STRIPING TAPE - INDICATOR	REF
34	201-00086	.CLAMP - NYLON COVERED	1
35	222-01001	.FLATWASHER - 5/16	2

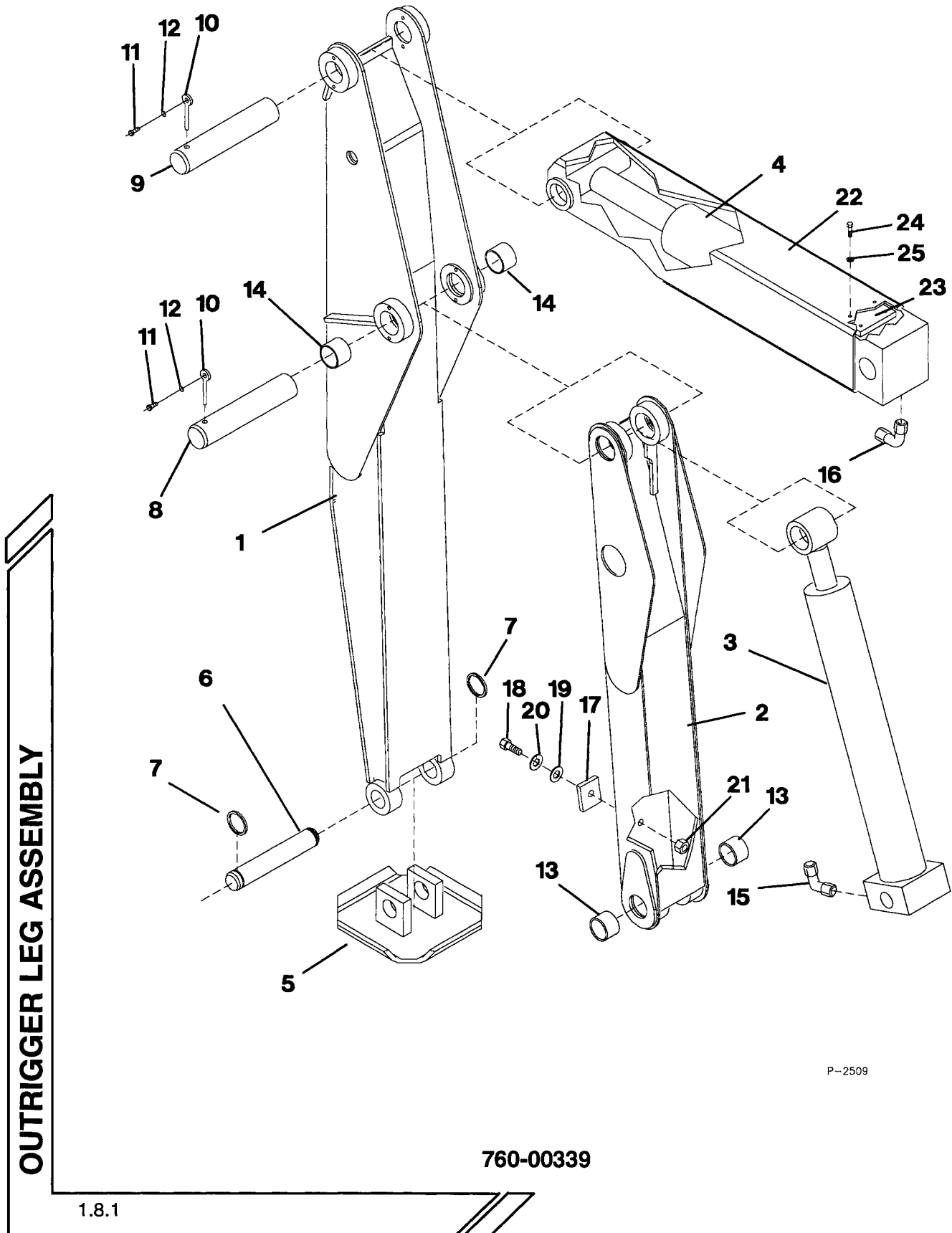
P-2508.D

*ARM IS PART OF POSITION INDICATOR ASSEMBLY.
REQUIRES SPECIAL PROCEDURE TO PROPERLY INSTALL.

**ITEM NOT SHOWN

***PART OF PLACARD INSTALLATION

765-00023



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	760-10349	.LEG ASSEMBLY	1
2	760-90040	.LINK - LOWER OUTRIGGER LEG	1
3	540-50020	.CYLINDER - LOWER OUTRIGGER (SEE 1.8.1.1)	1
4	540-70018	.CYLINDER - UPPER OUTRIGGER (SEE 1.8.1.2)	1
5	760-30167	.SHOE - OUTRIGGER	1
6	870-70066	.PIN - 2 1/4 DIA x 11 3/16" LONG	1
7	200-30009	.RING - RETAINING 2 1/4 DIA	2
8	870-90037	.PIN - 3 DIA x 15" LONG	1
9	870-80009	.PIN - 2 3/4 DIA x 15" LONG	1
10	224-26005	.PIN - ROD, 5/8 DIA x 4 1/4" LONG	2
11	220-04002	.BOLT - HEX HD, 1/2 x 1 1/4" LONG	2
12	222-14003	.LOCKWASHER - 1/2 DIA	2
13	271-18002	.BEARING - 2 3/4 DIA x 2 3/4" LONG	2
14	271-19018	.BEARING - 3 DIA x 1 1/2" LONG	2
15	514-55011	.ELBOW - 90°, #8 OFS x #8 ORB	2
16	514-56003	.ELBOW - 90°, #10 OFS x #10 ORB	2
17	780-00221	.PAD	1
18	220-02002	.BOLT - HEX HD, 3/8 x 1 1/4" LONG	1
19	222-02005	.FLATWASHER - 3/8 DIA	1
20	222-12001	.LOCKWASHER - 3/8 DIA	1
21	221-02001	.HEX NUT - 3/8	1
22	760-90044	.COVER - UPPER OUTRIGGER CYLINDER	1
23	729-02550	.PAD - OUTRIGGER COVER SLIDER	2
24	220-01005	.BOLT - HEX HD, 5/16 x 1" LONG	8
25	222-11002	.LOCKWASHER - 5/16 DIA	8

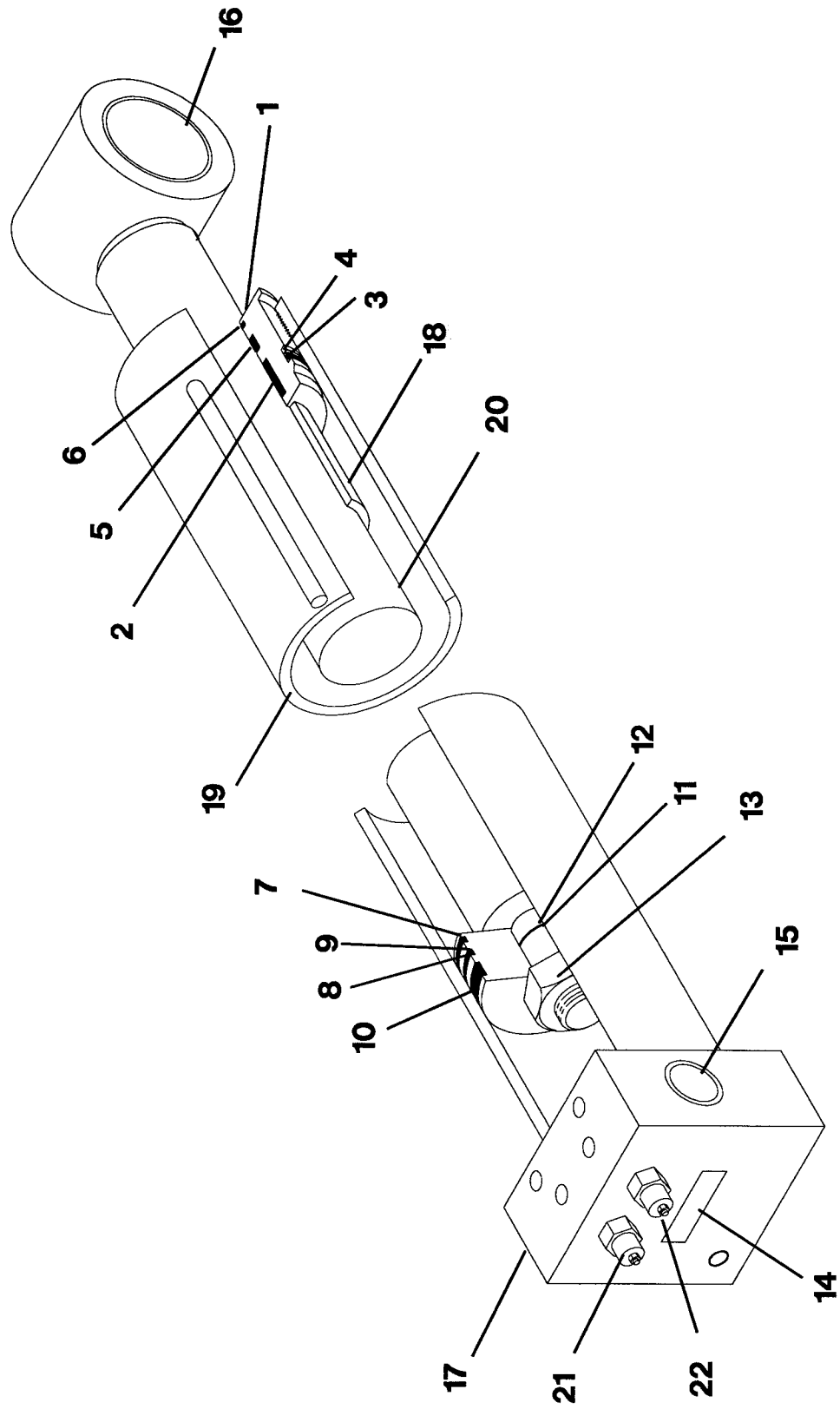
P-2509.D

OUTRIGGER LEG ASSEMBLY

760-00339

OUTRIGGER CYLINDER - LOWER

1.8.1.1



540-50020

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	830-00317	.HEAD	1
*2	830-00318	.RING - ROD WEAR	3
*3	830-00230	.O-RING	1
*4	830-00231	.BACKUP	1
*5	830-00247	.SEAL - ROD	1
*6	830-00248	.WIPER - ROD	1
7	830-00319	.PISTON	1
*8	830-00028	.SEAL - PISTON	1
*9	830-00224	.O-RING	1
*10	830-00229	.RING - WEAR	2
*11	830-00208	.O-RING	1
*12	830-00209	.BACKUP	1
13	830-00204	.LOCKNUT	1
14	830-00200	.TAG - ID	1
15	830-00321	.BUSHING - FIBERGLIDE	2
16	830-00322	.BUSHING - FIBERGLIDE	2
17	830-00327	.PLUG - MACHINING	1
18	830-00324	.SPACER	1
19	830-00325	.CASE WELDMENT	1
20	830-00326	.ROD WELDMENT	1
**21	552-00119	.VALVE - COUNTERBALANCE (5000 PSI) EXTEND	1
**22	552-00089	.VALVE - COUNTERBALANCE (3400 PSI) RETRACT	1

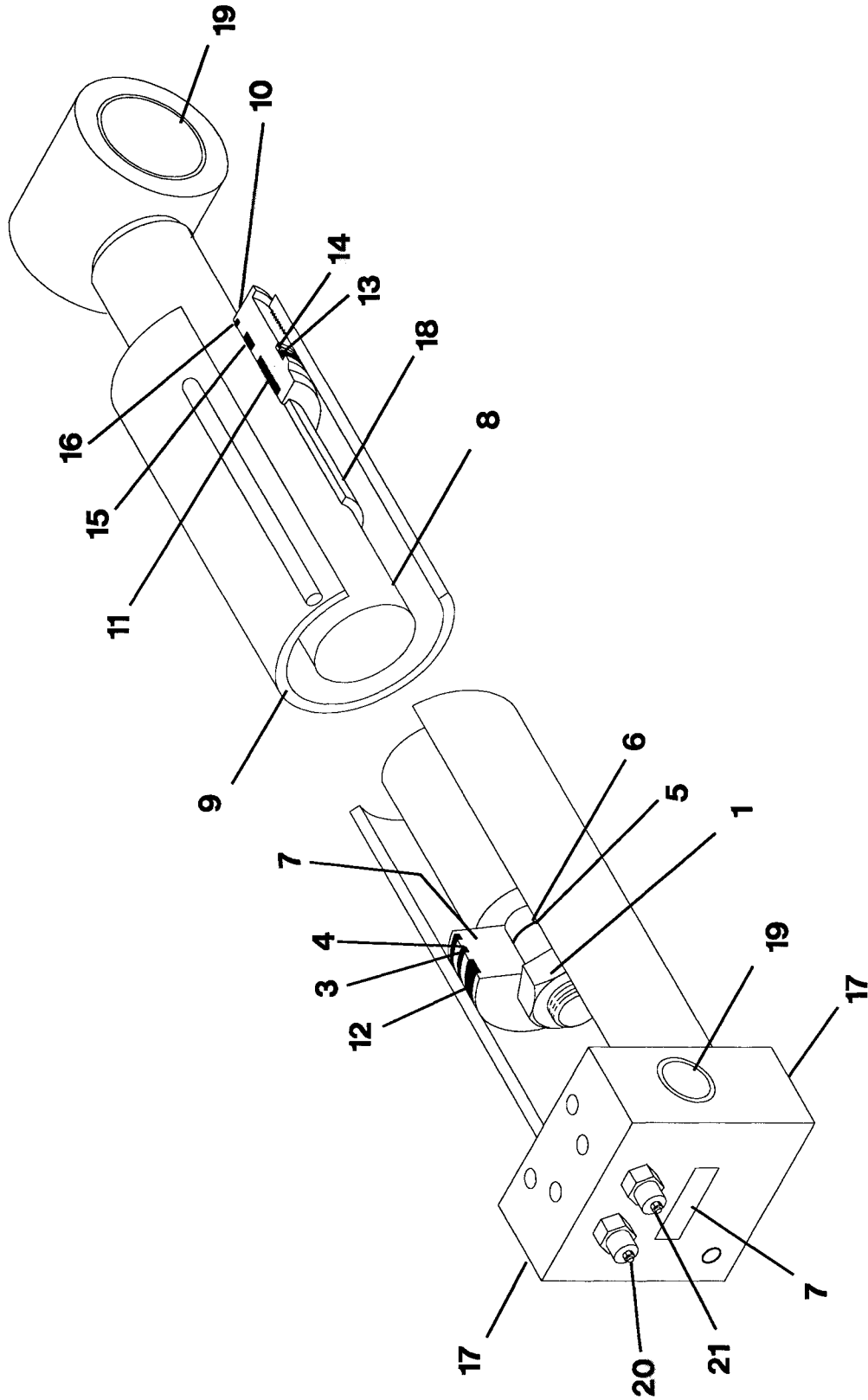
P-2421.D

*ITEMS INCLUDED IN SEAL KIT #268-90150

**SEAL KIT #059-00012

OUTRIGGER CYLINDER - UPPER

1.8.1.2



540-70018

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	830-00121	.LOCKNUT	1
2	830-00331	.PISTON	1
*3	830-00332	.SEAL - PISTON	1
*4	830-00333	.O-RING	1
*5	830-00123	.O-RING	1
*6	830-00006	.BACKUP	2
7	830-00200	.TAG - ID	1
8	830-00334	.ROD WELDMENT	1
9	830-00335	.CASE WELDMENT	1
10	830-00336	.HEAD	1
*11	830-00337	.RING - ROD WEAR	2
*12	830-00338	.RING - PISTON WEAR	2
*13	830-00339	.O-RING	1
*14	830-00340	.BACKUP	1
*15	830-00128	.SEAL - ROD	1
*16	830-00129	.WIPER - ROD	1
17	830-00327	.PLUG - MACHINING	1
18	830-00341	.SPACER	1
19	830-00171	.BUSHING	4
**20	552-00119	.VALVE - COUNTERBALANCE (5000 PSI) EXTEND	1
**21	552-00089	.VALVE - COUNTERBALANCE (3400 PSI) RETRACT	1

P-2459.D

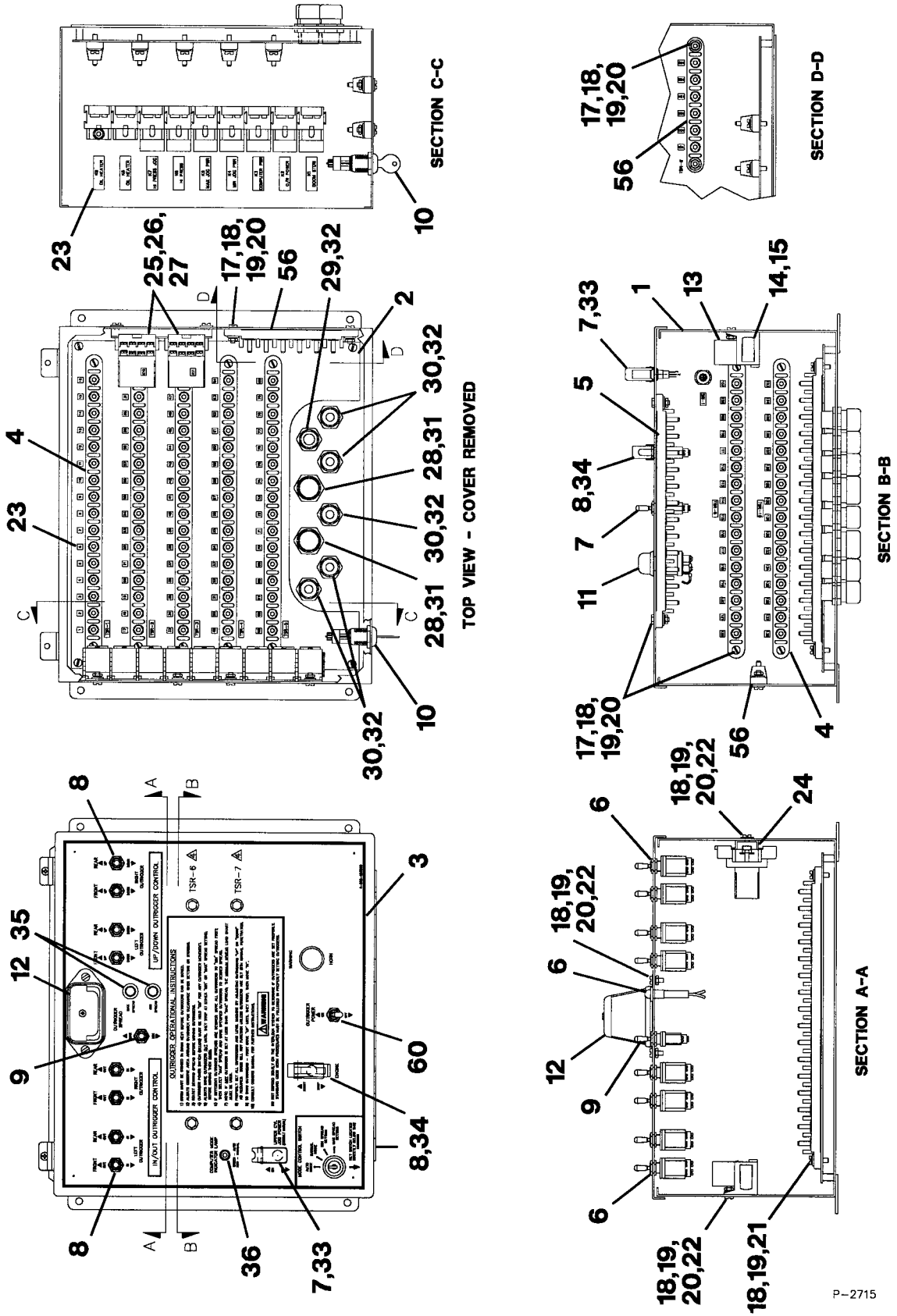
*ITEMS INCLUDED IN SEAL KIT #268-90147

**SEAL KIT #059-00012

OUTRIGGER CYLINDER - UPPER

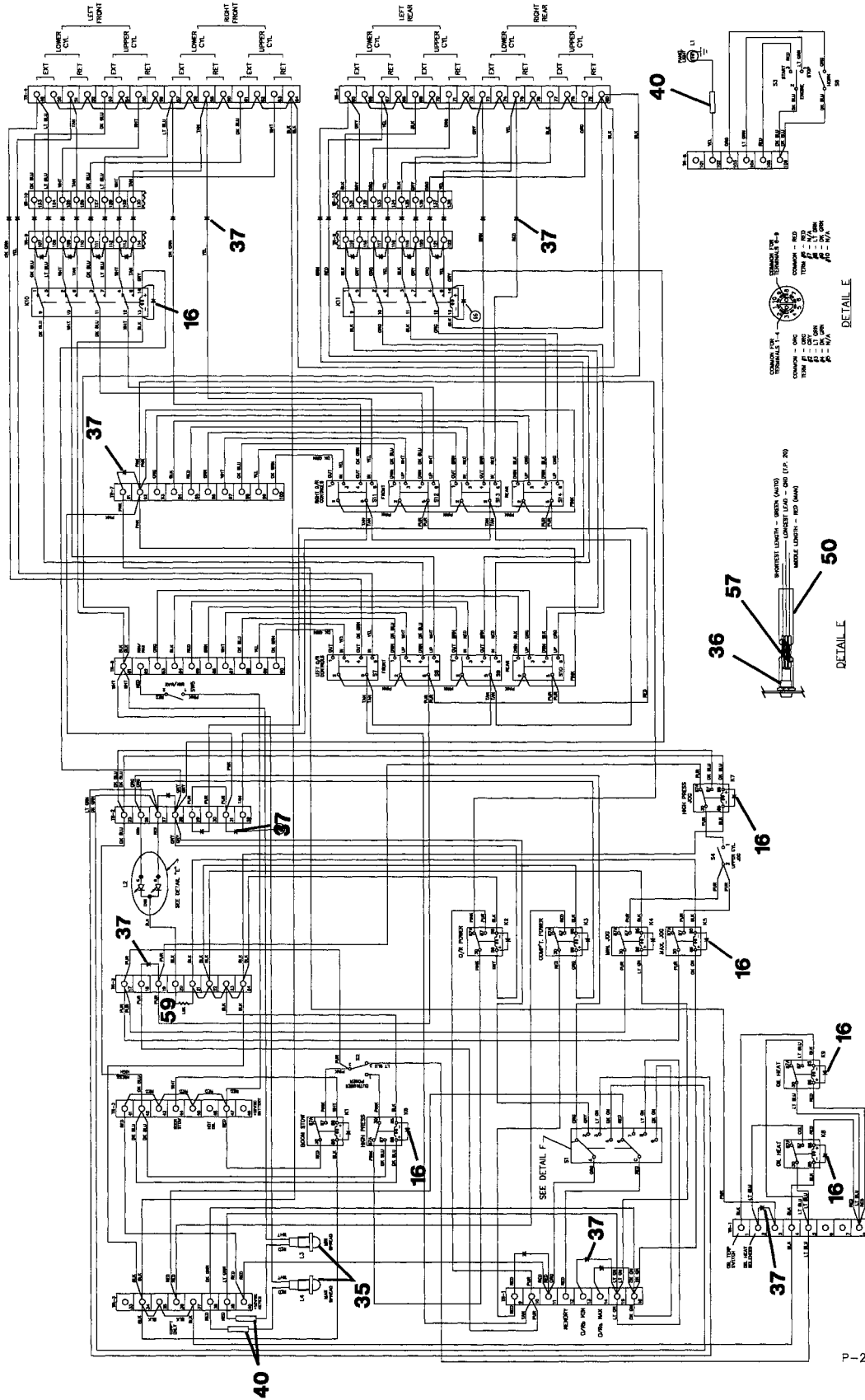
OUTRIGGER CONTROL ELECTRIC BOX

1.8.1.3



400-24000

OUTRIGGER CONTROL ELECTRIC BOX



400-24000

P-2715A

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05362	.ELECTRIC BOX - OUTRIGGER CONTROLS MOD	1
2	400-05363	.ELECTRIC PANEL - OUTRIGGER CONTROLS MOD	1
3	652-00366	.PLACARD - OUTRIGGER CONTROLS	1
4	400-03048	.STRIP - TERMINAL, 16 POST	7
5	400-03058	.STRIP - TERMINAL, 12 POST	2
6	400-04014	.SWITCH - MOMENTARY	8
7	400-04034	.SWITCH - MOMENTARY	1
8	400-04015	.SWITCH - MOMENTARY	1
9	400-04031	.SWITCH - MAINTAINED	1
10	400-04253	.SWITCH - KEYLOCK	1
11	400-04213	.BUTTON - HORN	1
12	400-09123	.LIGHT - PANEL	1
13	400-05459	.RELAY - SPDT	7
14	400-02377	.CONNECTOR - RELAY BRACKET MOUNT	9
15	400-02337	.TERMINAL -RELAY	39
16	400-23300	.RECTIFIER	11
17	223-03113	.SCREW - PHM #10NC x 3/4"	10
18	222-00007	.WASHER - FLAT #10	38
19	222-10006	.WASHER - LOCK #10	28
20	221-00002	.NUT - HEX #10NC	18
21	223-14106	.SCREW - PHM #10NC x 3/4	10
22	223-03103	.SCREW - PHM #10NC x 1/2"	2
23	654-00163	.TAPE - IDENT	A/R
24	400-05246	.RAIL - RELAY MOUNTING	1
25	400-05274	.BASE - RELAY	2
26	400-05360	.RELAY - 12VDC	2
27	400-05116	.CLIP - RELAY RETAINER	4
28	400-15125	.RELEIF - 3/4 STRAIN	2
29	400-15084	.RELEIF - 1/2 STRAIN	1
30	400-15066	.RELEIF - 1/2 STRAIN	5
31	400-15103	.NUT 0 3/4 HUB	2
32	400-15054	.NUT - 1/2 HUB	6
33	400-04032	.GUARD - SWITCH	1
34	400-04036	.GUARD - SWITCH	1
35	400-09345	.LIGHT - GREEN LED INDICATOR	2
36	400-09317	.LIGHT - RED/GREEN LED INDICATOR	1
37	400-23046	.DIODE	41
38	400-02243	.RING - TERMINAL #10	281
39	400-02290	.RING - TERMINAL #6	75
40	400-02202	.CONNECTOR - BUTT	3
41	400-15086	.TIE - CABLE	A/R
42	400-01376	.WIRE - RED	A/R
43	400-01378	.WIRE - BLACK	A/R
44	400-01513	.WIRE - PINK	A/R
45	400-01379	.WIRE - WHITE	A/R
46	400-01377	.WIRE - YELLOW	A/R
47	400-01374	.WIRE - BROWN	A/R
48	400-01380	.WIRE - ORANGE	A/R
49	400-01389	.WIRE - DARK BLUE	A/R
50	400-01375	.WIRE - DARK GREEN	A/R
51	400-01390	.WIRE - LIGHT GREEN	A/R

OUTRIGGER CONTROL ELECTRIC BOX

400-24000

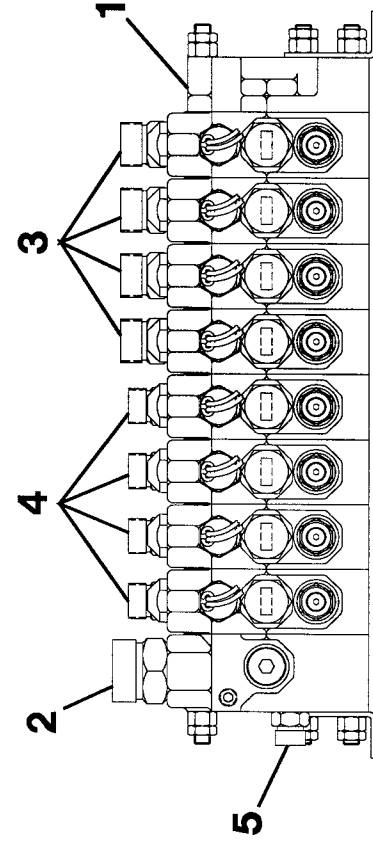
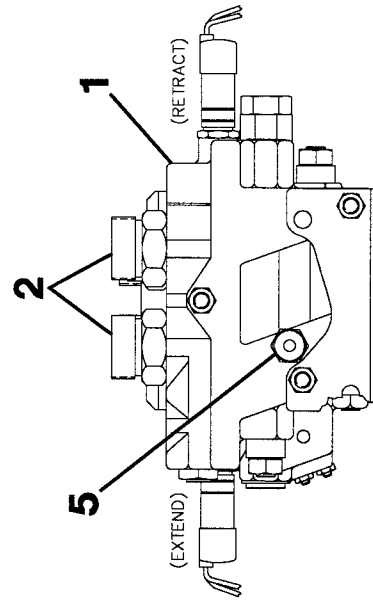
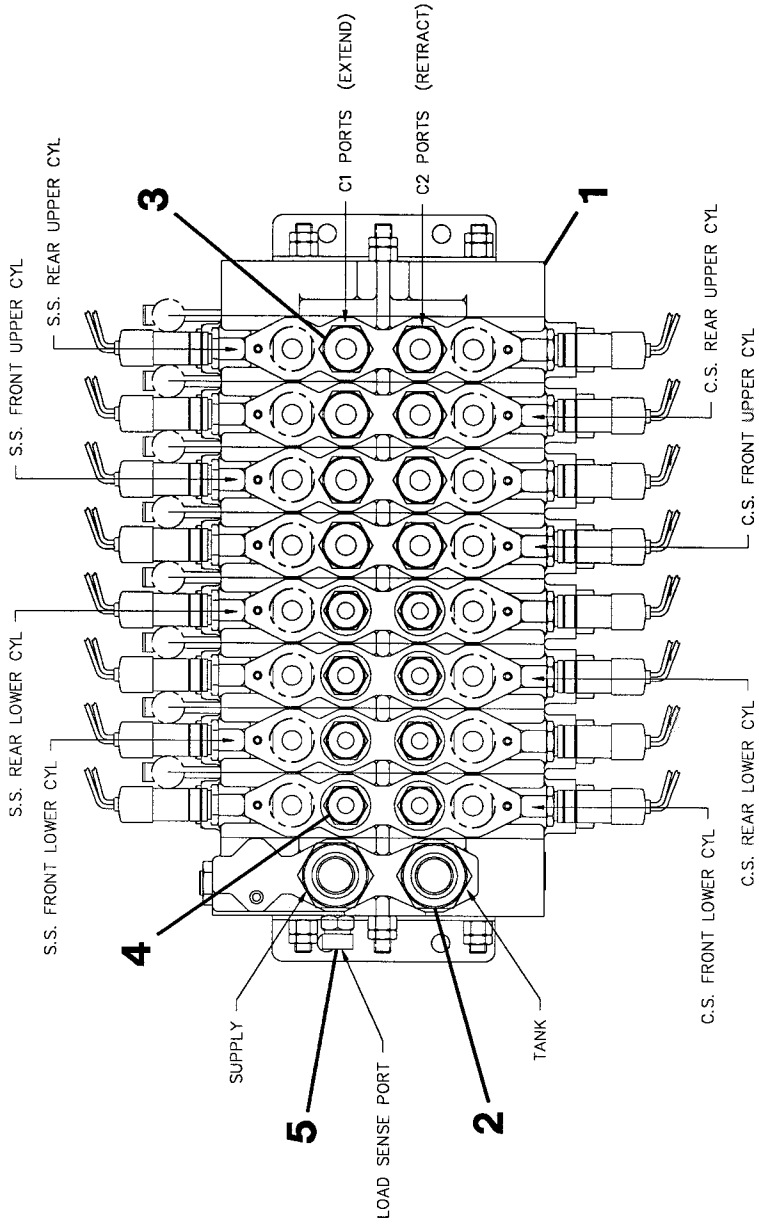
ITEM	PART NUMBER	DESCRIPTION	QTY.
52	400-01404	.WIRE - PURPLE	A/R
53	400-01512	.WIRE - GRAY	A/R
54	400-01600	.WIRE - TAN	A/R
55	400-01599	.WIRE - LIGHT BLUE	A/R
56	400-03095	.STRIP - TERMINAL, 6 POST	1
57	400-15101	.TUBING - HEAT SHRINK	1
58	400-15094	.TUBING - HEAT SHRINK	1
59	400-23249	.RESISTOR	1
60	400-04039	.SWITCH - MAINTAINED/MOMENTARY	1

P-2715

400-24000

OUTRIGGER CONTROL VALVE S/A

1.8.1.4

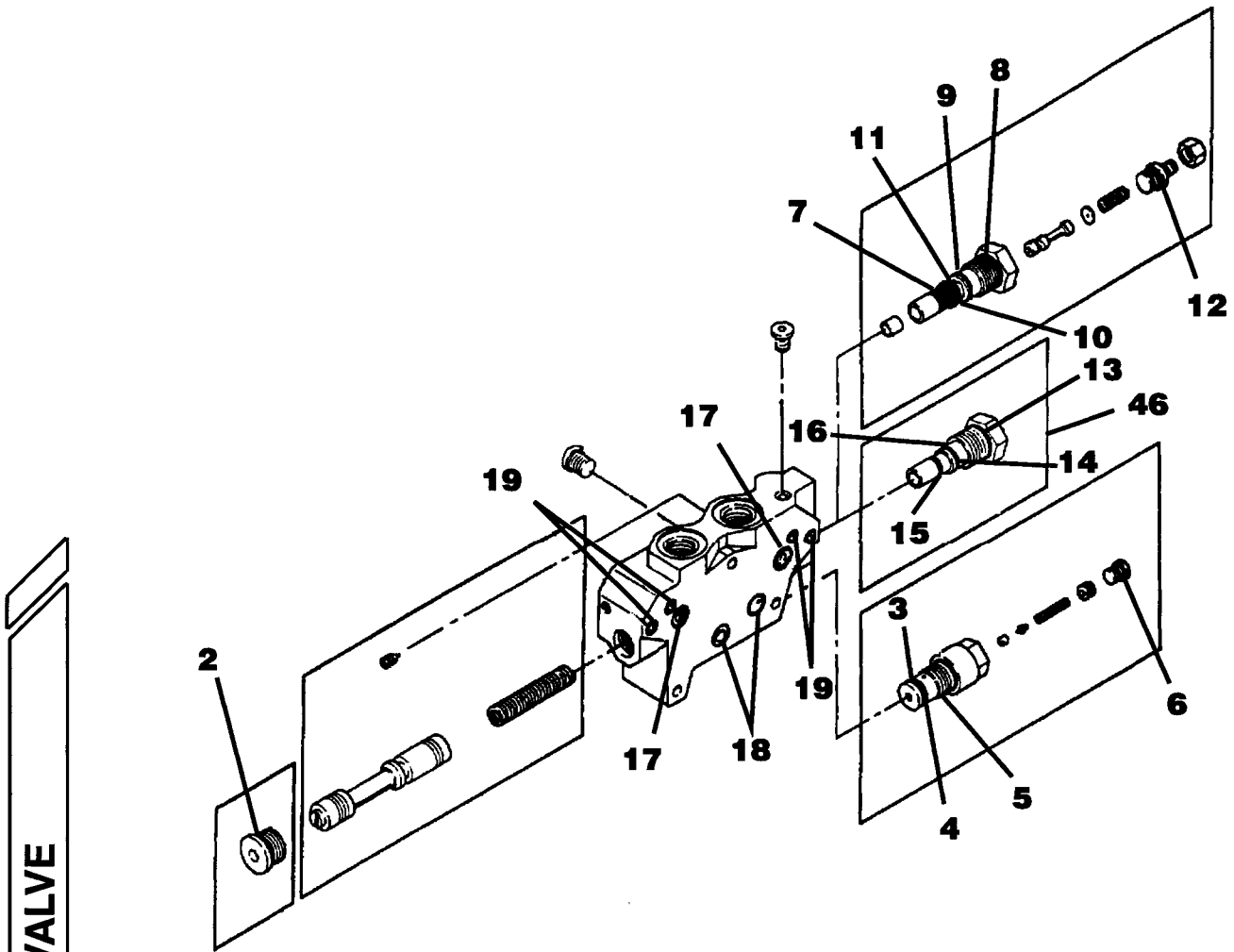


500-01642

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	500-01626	.VALVE ASSY - OUTRIGGER CONTROL (SEE 1.8.1.4.1)	1
2	513-90035	.CONNECTOR - #16 OFS x #12 ORB	2
3	513-60012	.CONNECTOR - #10 OFS x #8 ORB	8
4	513-50023	.CONNECTOR - #8 OFS x #8 ORB	8
5	513-40017	.CONNECTOR - #6 OFS x #4 ORB	1
*6	654-00163	.IDENTIFICATION TAPE - BRADY	.5FT
	P-2493.D		
	*NOT SHOWN		

OUTRIGGER CONTROL VALVE S/A

500-01642



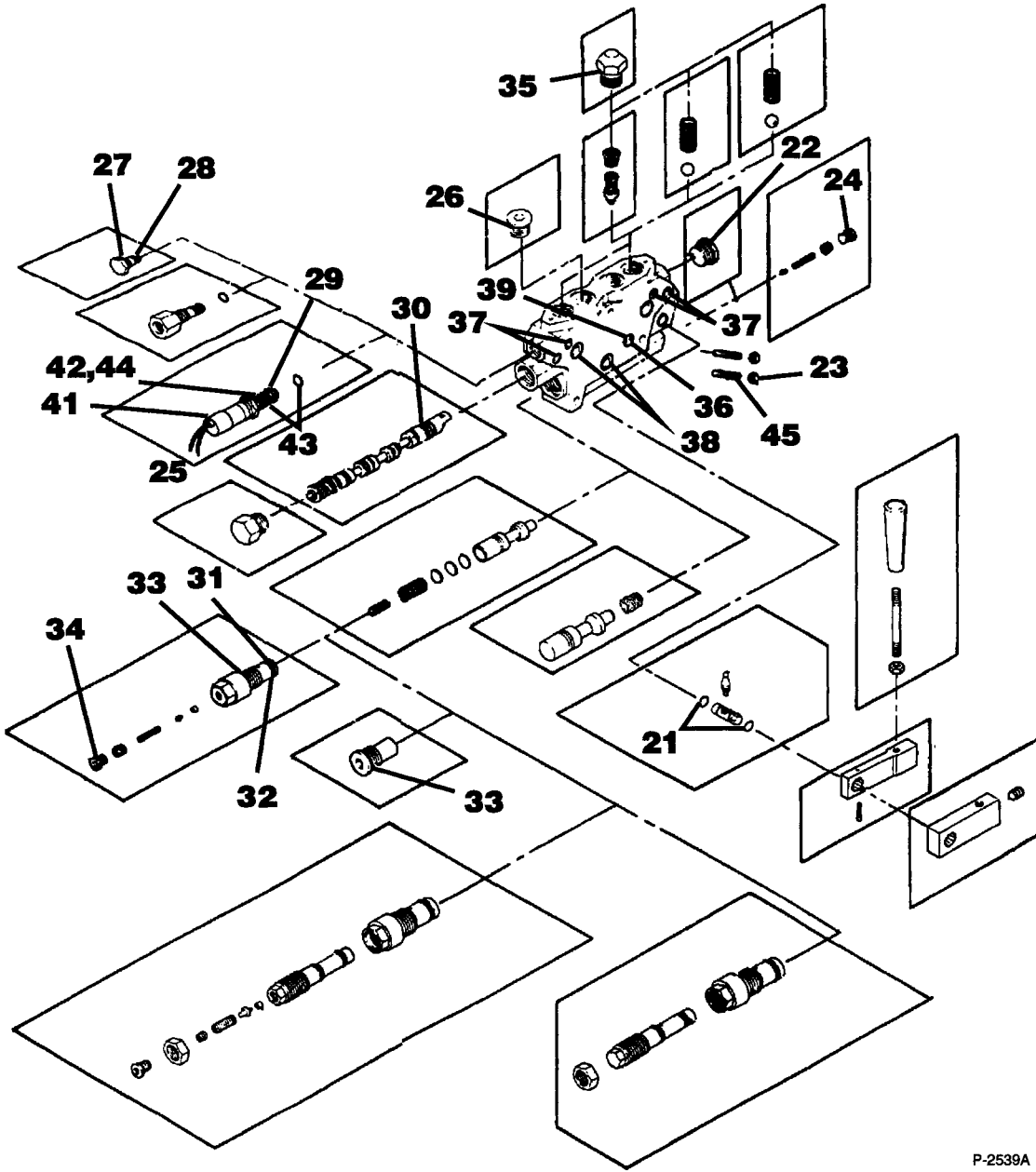
P-2539

LOAD SENSING INLET

500-01626

OUTRIGGER CONTROL VALVE

1.8.1.4.1



P-2539A

WORK SEGMENT

500-01626

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	269-00142	.SEAL KIT - INLET	1
2		..O-RING	1
3		..O-RING	1
4		..BACK-UP RING	2
5		..O-RING	1
6		..O-RING	1
7		..FILTER	1
8		..O-RING	1
9		..O-RING	1
10		..O-RING	1
11		..BACK-UP RING	1
12		..O-RING	1
13		..O-RING	1
14		..O-RING	1
15		..O-RING	1
16		..BACK-UP RING	1
17		..O-RING	3
18		..O-RING	1
19		..O-RING	4
20	269-00143	.SEAL KIT - WORK SEGMENT	1
21		..O-RING	2
22		..O-RING	1
23	941-00003	..NUT - SEAL	2
24		..O-RING	1
25		..O-RING	1
26		..O-RING	1
27		..O-RING	2
28		..O-RING	2
29		..BACK-UP RING	2
30		..O-RING	1
31		..O-RING	1
32		..BACK-UP RING	2
33		..O-RING	1
34		..O-RING	1
35		..O-RING	2
36		..BALL	1
37		..O-RING	4
38		..O-RING	3
39		..O-RING	1
40	269-00144	.KIT - SOLENOID	1
41	941-00007	..PULSAR	1
42		..O-RING	1
43		..BACK-UP RING	1
44		..FILTER	1
45	941-00002	..STEM - FLOW ADJUSTER	2
46	941-00008	..REGULATOR - PILOT PRESSURE ASSEMBLY	1

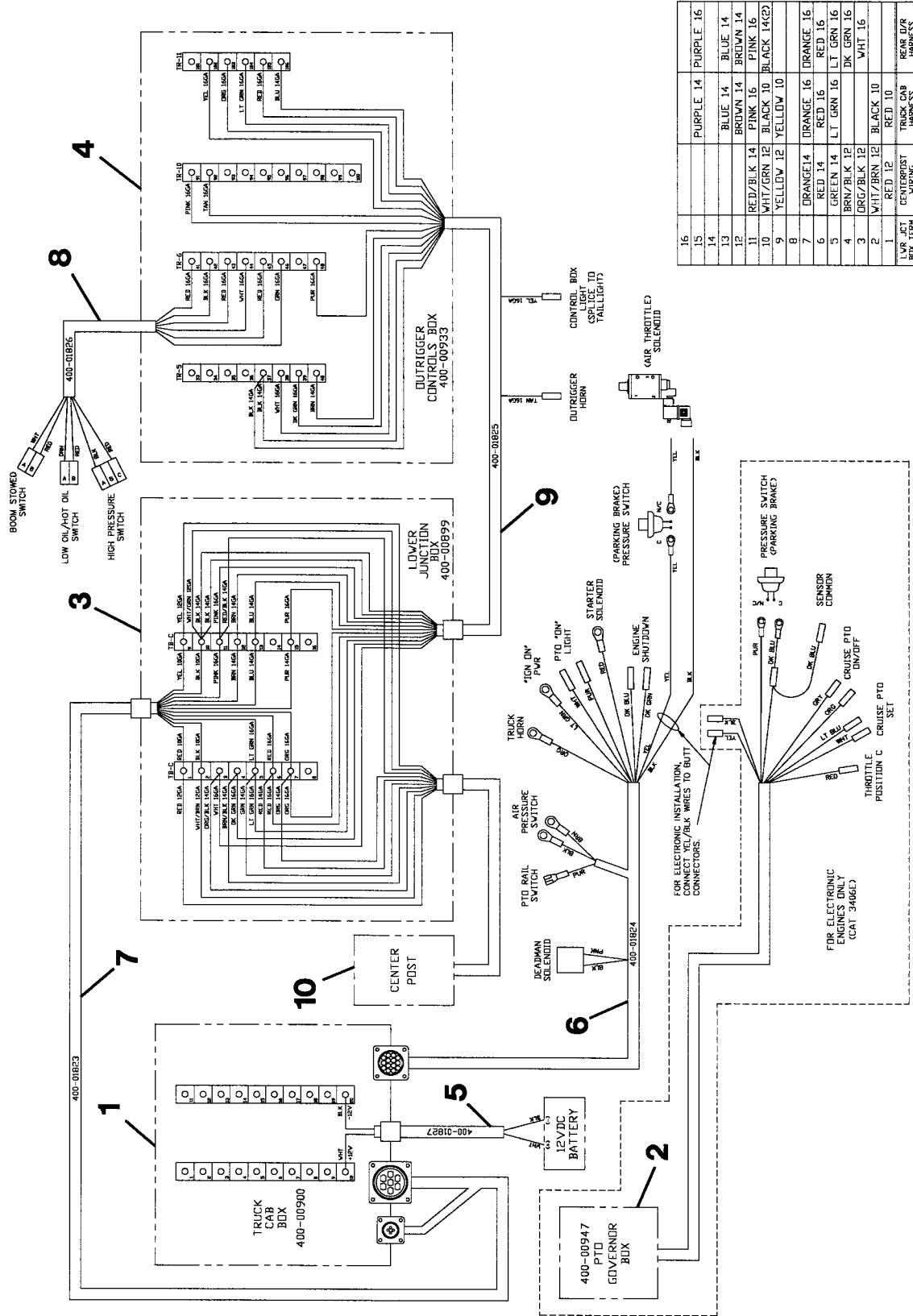
P-2539

500-01626

OUTRIGGER CONTROL VALVE

WIRING DIAGRAM - LOWER ELECTRICAL

1.9



16	PURPLE 14	PURPLE 16
15	BLUE 14	BLUE 14
14	BROWN 14	BROWN 14
13	RED/BLK 14	PINK 16
12	WHY/GRN 12	BLACK 10
11	YELLOW 12	YELLOW 10
10	ORANGE 14	ORANGE 16
9	RED 14	RED 16
8	LT GRN 16	LT GRN 16
7	DK GRN 16	DK GRN 16
6	BRN/BLK 12	GRY/BLK 12
5	WHY/BRN 12	BLACK 10
4	RED 12	RED 10
3	TRUCK CAB HARNESS	TRUCK CAB HARNESS
2	LVR JCT	TRUCK CAB HARNESS
1	REAR D/R HARNESS	REAR D/R HARNESS

400-00951

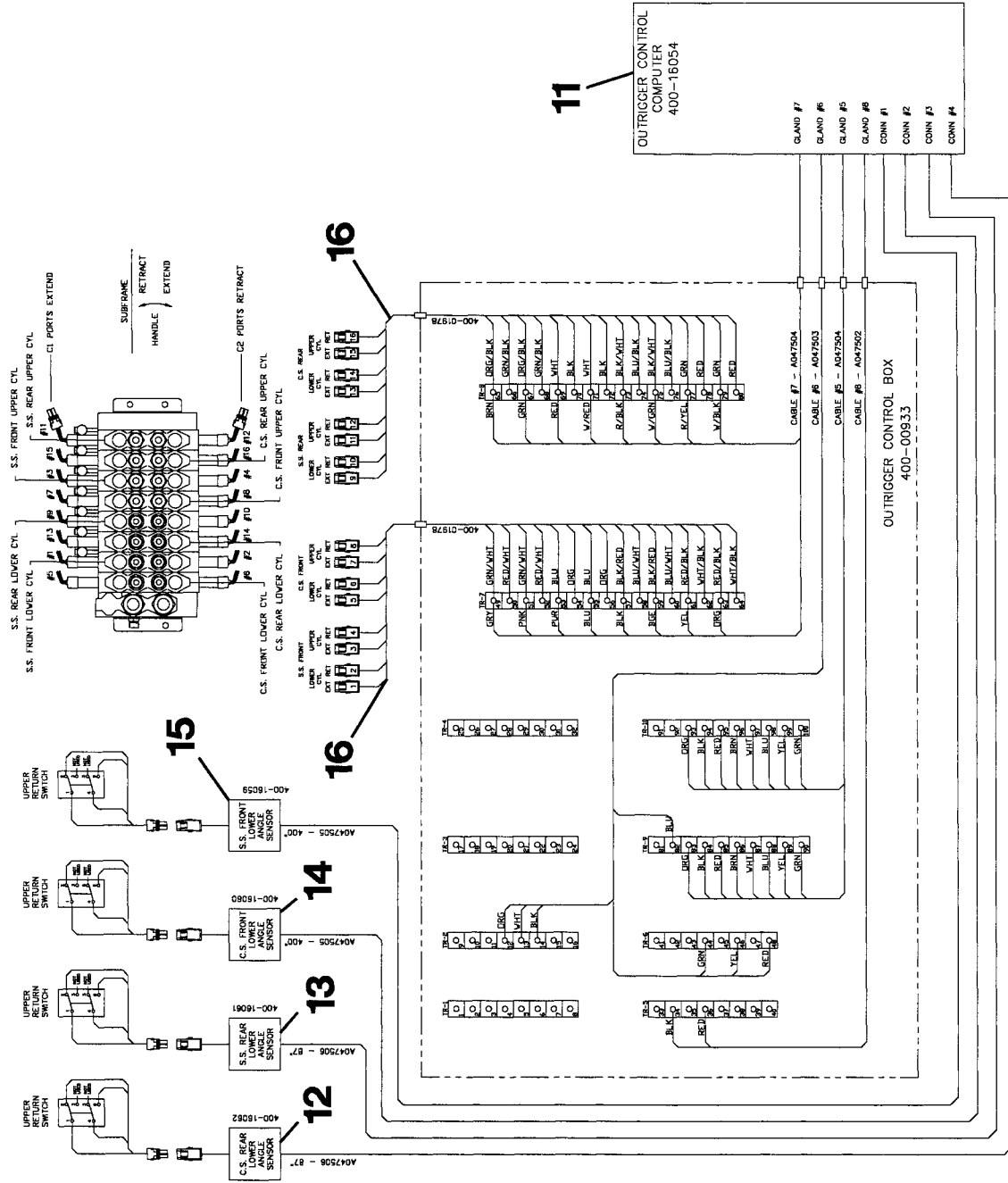
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-00900	.ELECTRICAL BOX S/A - TRUCK CAB (SEE 1.9.1)	REF
*2	400-00947	.ELECTRICAL BOX S/A - PTO GOVERNOR (SEE 1.9.2)	REF
3	400-00899	.ELECTRICAL BOX S/A - LOWER JUNCTION (SEE 1.9.3)	REF
4	400-00933	.ELECTRICAL BOX S/A - OUTRIGGER (SEE 1.8.1.3)	REF
5	400-01827	.CABLE ASSEMBLY - CAB/BATTERY	REF
6	400-01824	.ELECTRICAL HARNESS - CAB/TRUCK	REF
7	400-01823	.ELECTRICAL HARNESS - CAB/JUNCTION	REF
8	400-01826	.ELECTRICAL HARNESS - BOOM/PRESS/TEMP	REF
9	400-01825	.ELECTRICAL HARNESS - JUNCTION/REAR	REF
10	560-00067	.CENTERPOST ASSEMBLY (SEE 2.0.2)	REF
11	400-16054	.COMPUTER - OUTRIGGER CONTROL	REF
12	400-16062	.SENSOR - OUTRIGGER ANGLE C.S.R.	REF
13	400-16061	.SENSOR - OUTRIGGER ANGLE S.S.R.	REF
14	400-16060	.SENSOR - OUTRIGGER ANGLE C.S.F.	REF
15	400-16059	.SENSOR - OUTRIGGER ANGLE S.S.F.	REF
16	400-01924	.CABLE - OUTRIGGER CONTROL VALVE	REF

P-2530

* ONLY FOR TRUCKS WITH CAT ENGINES AND ELECTRONIC GOVERNORS.

WIRING DIAGRAM - LOWER ELECTRICAL

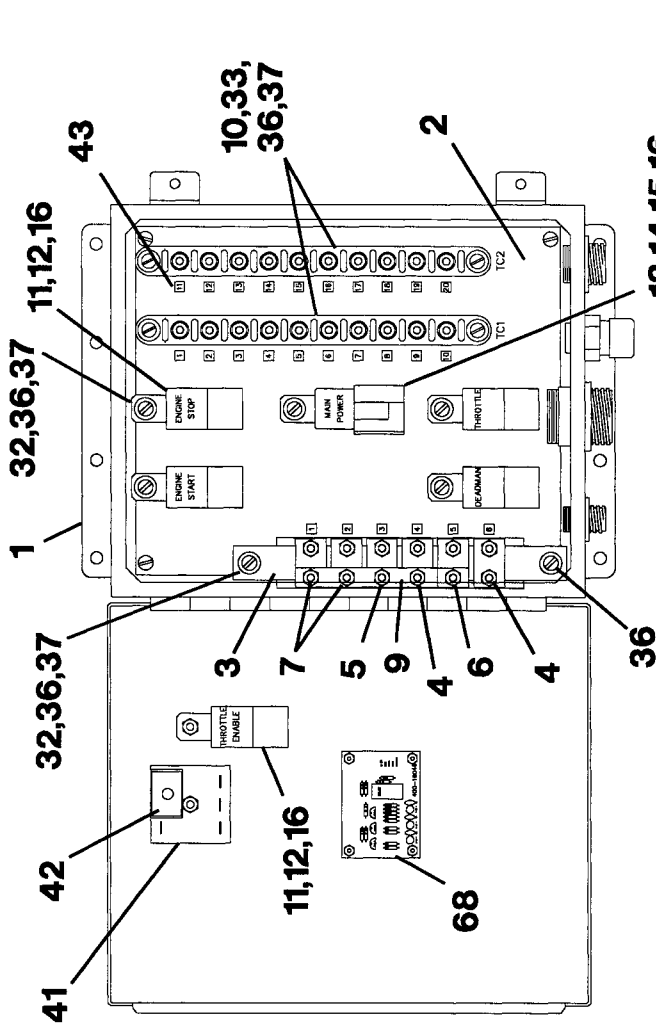
1.9



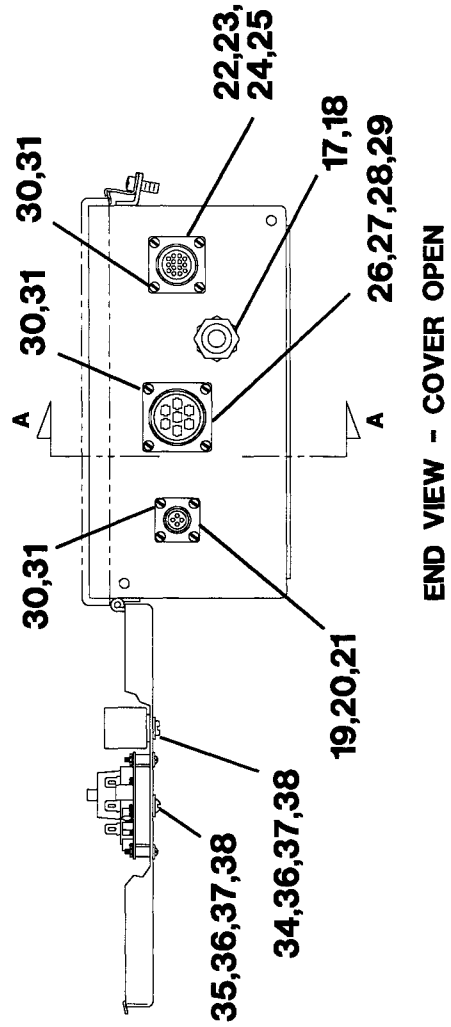
400-00951

ELECTRICAL BOX S/A TRUCK CAB

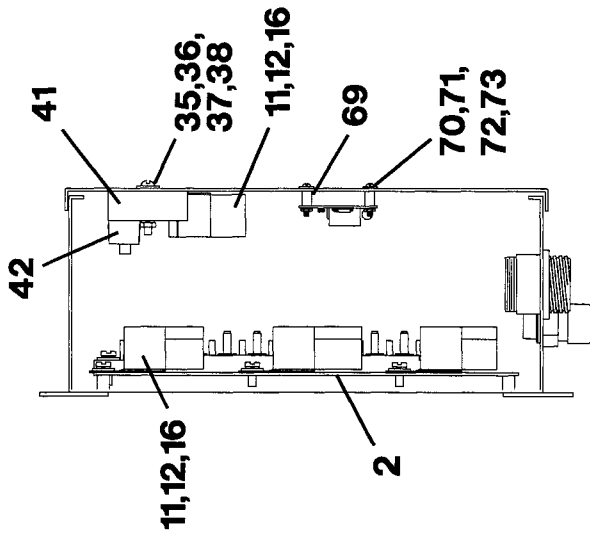
1.9.1



TOP VIEW - COVER OPEN



END VIEW - COVER OPEN



SECTION A-A - COVER CLOSED

400-00900

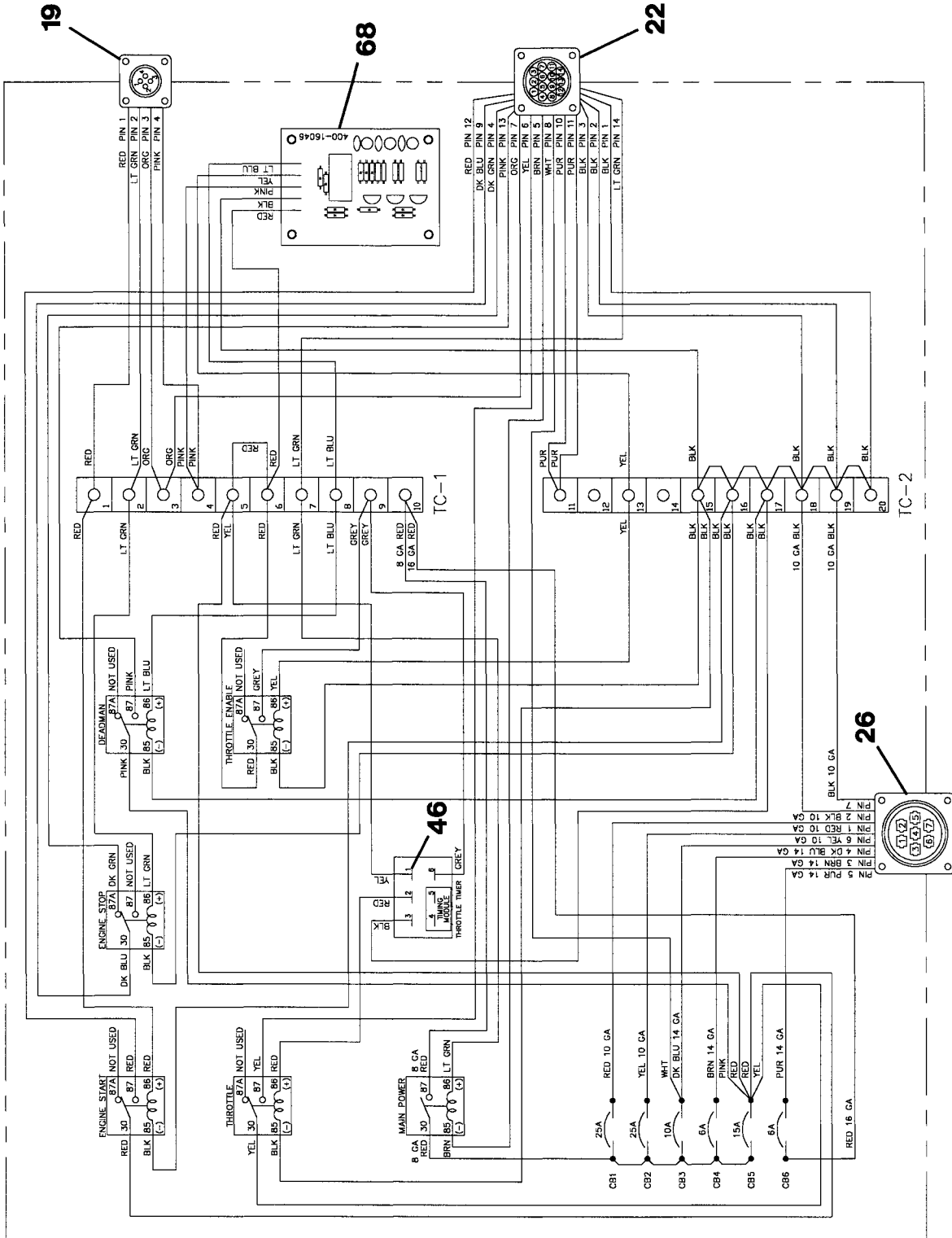
ITEM NO. NUMBER	WIRE GAUGE	WIRE COLOR	SIMON-RO PART NUMBER
48		RED	3-400-01376
49		BLACK	3-400-01378
50		DK BLUE	3-400-01389
51		LT BLUE	3-400-01589
52		DK GREEN	3-400-01375
53		LT GREEN	3-400-01390
54		PINK	3-400-01513
55		BROWN	3-400-01374
56		YELLOW	3-400-01377
57		ORANGE	3-400-01380
58		PURPLE	3-400-01404
59		WHITE	3-400-01379
60		GREY	3-400-01512
61		DK BLUE	3-400-01361
62	14	BROWN	3-400-01566
63		PURPLE	3-400-01572
64		BLACK	3-400-01402
65	10	RED	3-400-01401
66		YELLOW	3-400-01809
67	8	RED	3-400-01391

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05347	.BOX - ELECTRICAL MOD.-TRUCK CAB	1
*2	400-05364	.PANEL - ELECTRICAL MOD.-TRUCK CAB	1
3	400-10057	.BRACKET - MOUNTING-CIRCUIT BREAKER	1
4	400-10051	.BREAKER - CIRCUIT - 6 A	1
5	400-10048	.BREAKER - CIRCUIT - 10 A	2
6	400-10049	.BREAKER - CIRCUIT - 15 A	1
7	400-10050	.BREAKER - CIRCUIT - 25 A	2
8	NOT USED		
9	400-01288	.BAR - BUS	1
10	400-03043	.STRIP - TERMINAL #10 STUD	2
11	400-05197	.RELAY - 40A	5
12	400-02332	.CONNECTOR - RELAY	5
13	400-05198	.CONNECTOR - 70A	1
14	400-02333	.CONNECTOR - RELAY	1
15	400-02334	.TERMINAL - RELAY 10-12 GA.	2
16	400-02335	.TERMINAL - RELAY 14-18 GA.	22
17	400-15125	.RELIEF - STRAIN 3/4 .750/.885	1
18	400-15103	.NUT - STRAIN RELIEF 3/4	1
19	400-23136	.CONNECTOR - PLASTIC SHELL 11-4 RCPT	1
20	400-23124	.PIN - CONTACT 16-18 GA.	4
21	400-23106	.SEAL - PERIPHEAL -11	1
22	400-23054	.CONNECTOR - PLASTIC SHELL 17-14 RCPT	1
23	400-23125	.SOCKET - CONTACT 16-18 GA.	14
24	400-23056	.SEAL - PERIPHERAL -17	1
25	400-23139	.PLUG - KEYING SERIES 1	2
26	400-23245	.CONNECTOR - PLASTIC SHELL 23-7 RCPT	1
27	400-23154	.CONTACT - MALE 16 GA.	3
28	400-23156	.CONTACT - MALE 8-10 GA.	4
29	400-23111	.SEAL - PERIPHERAL -23	1
30	223-14125	.SCREW - PAN HEAD MACHINE #5 x 1/2" LONG	12
31	222-10003	.WASHER - LOCK #5	12
32	223-14108	.SCREW - PAN HEAD MACHINE #5 x 1/2" LONG	6
33	223-14117	.SCREW - PAN HEAD MACHINE #5 x 3/4" LONG	4
34	223-03113	.SCREW - PAN HEAD MACHINE #24 x 3/4" LONG	1
35	223-01126	.SCREW - MACHINE #5 x 1/2" LONG	1
36	222-00007	.WASHER - FLAT #10	13
37	222-10006	.WASHER - LOCK #10	12
38	221-00002	.NUT - HEX #10	2
*39	400-02221	.RING - TERMINAL #10 10-12 GA.	
*40	400-02243	.RING - TERMINAL #10 14-16 GA.	
41	400-18032	.RELAY - TIMER DELAY ON BREAK	1
42	400-18033	.MODULE - TIMING RESISTOR	1
43	654-00163	.TAPE - IDENTIFICATION	1
44	400-23046	.DIODE	1
*45	400-02295	.RING - TERMINAL #10 8 GA.	
46	400-02203	.TERMINAL - SPADE 1/4 14-16 GA.	4
*47	400-15086	.TIE - CABLE	
*48	400-01376	.WIRE - FLAME RETARDANT 16 GA.-RED	
*49	400-01378	.WIRE - FLAME RETARDANT 16 GA.-BLACK	

400-00900

ELECTRICAL BOX S/A TRUCK CAB

1.9.1



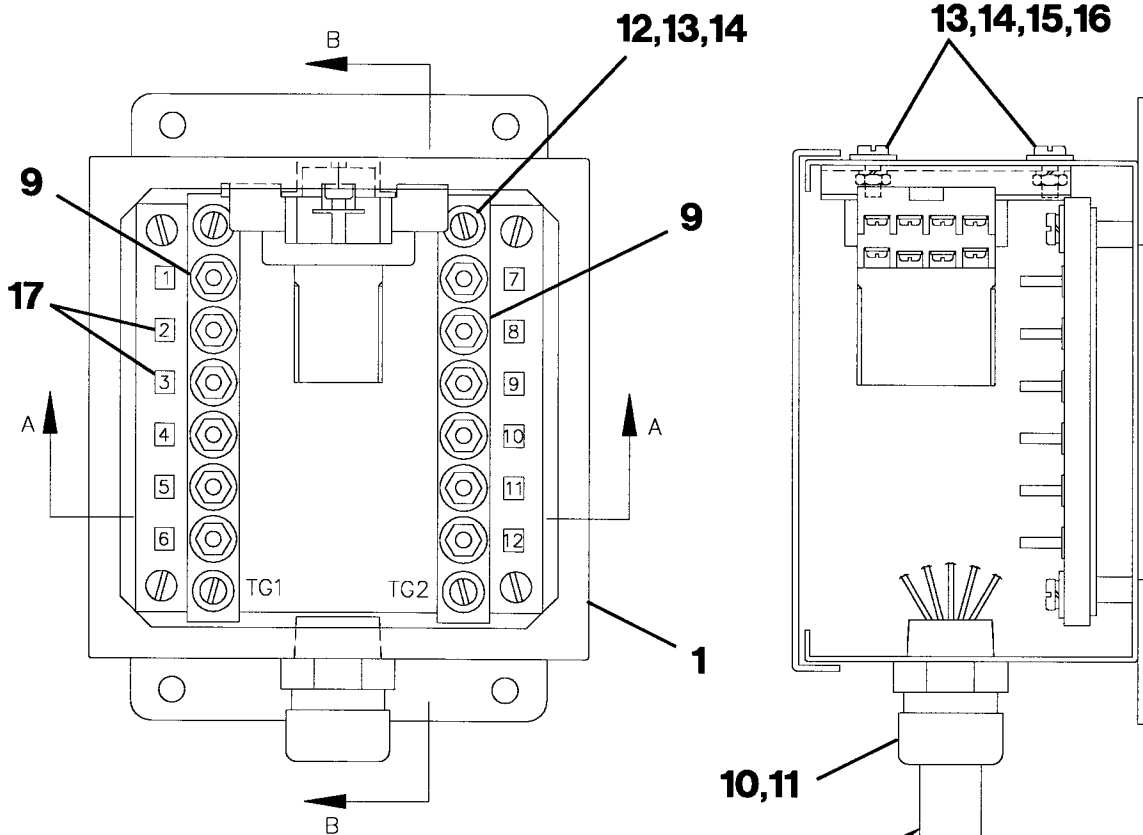
400-00900

ITEM	PART NUMBER	DESCRIPTION	QTY.
*50	400-01389	.WIRE - FLAME RETARDANT 16 GA.-DK BLUE	
*51	400-01599	.WIRE - FLAME RETARDANT 16 GA.-LT BLUE	
*52	400-01375	.WIRE - FLAME RETARDANT 16 GA.-DK GREEN	
*53	400-01390	.WIRE - FLAME RETARDANT 16 GA.-LT GREEN	
*54	400-01513	.WIRE - FLAME RETARDANT 16 GA.-PINK	
*55	400-01374	.WIRE - FLAME RETARDANT 16 GA.-BROWN	
*56	400-01377	.WIRE - FLAME RETARDANT 16 GA.-YELLOW	
*57	400-01380	.WIRE - FLAME RETARDANT 16 GA.-ORANGE	
*58	400-01404	.WIRE - FLAME RETARDANT 16 GA.-PURPLE	
*59	400-01379	.WIRE - FLAME RETARDANT 16 GA.-WHITE	
*60	400-01572	.WIRE - FLAME RETARDANT 16 GA.-GRAY	
*61	400-01361	.WIRE - FLAME RETARDANT 14 GA.-DK BLUE	
*62	400-01566	.WIRE - FLAME RETARDANT 14 GA.-BROWN	
*63	400-01572	.WIRE - FLAME RETARDANT 14 GA.-PURPLE	
*64	400-01402	.WIRE - FLAME RETARDANT 10 GA.-BLACK	
*65	400-01401	.WIRE - FLAME RETARDANT 10 GA.-RED	
*66	400-01809	.WIRE - FLAME RETARDANT 10 GA.-YELLOW	
*67	400-01391	.WIRE - FLAME RETARDANT 8 GA.-RED	
68	400-16046	.BOARD - DEADMAN CONTROLLER	1
69	400-09337	.STAND-OFF #4 NYLON	4
70	223-01113	.SCREW - ROUND HEAD MACHINE #4 x 3/4" LONG	4
71	222-00010	.WASHER - FLAT #4	4
72	222-10008	.WASHER - LOCK	4
73	221-00006	.NUT #4	4

P-2491.D

*ITEMS NOT SHOWN

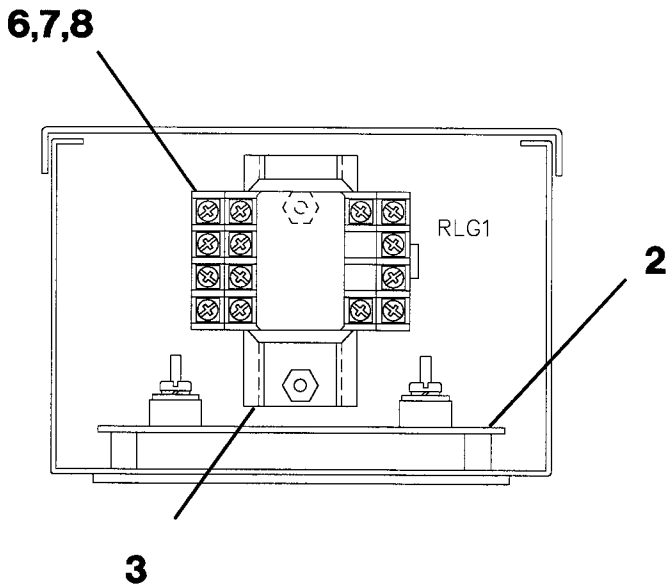
400-00900



TOP VIEW - COVER REMOVED

SECTION B-B

SEE SHEET 2 FOR HARNESS DETAIL

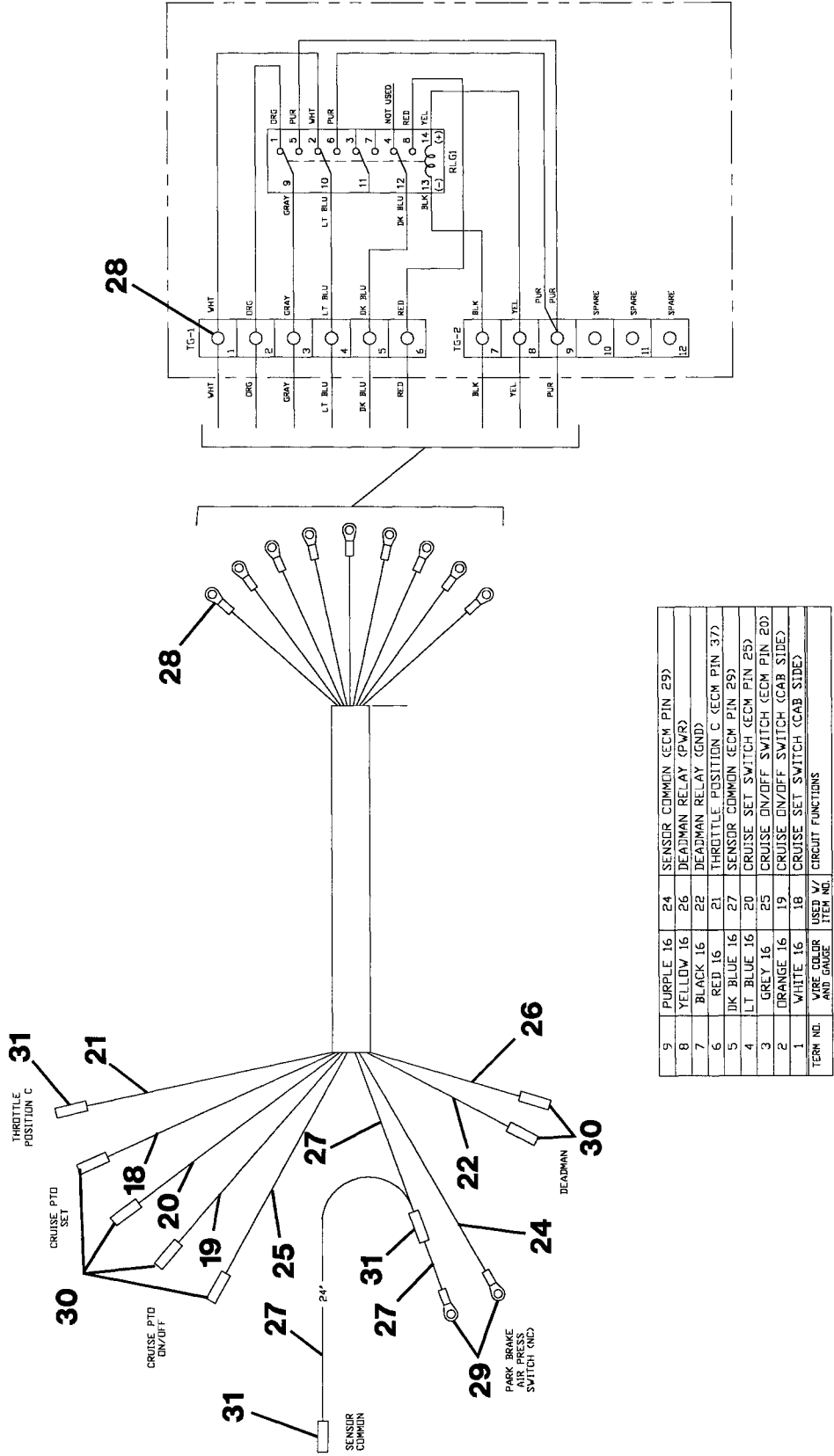


SECTION A-A

P-2512

400-00947

ELECTRICAL BOX - PTO GOVERNOR



400-00947

P-2512A

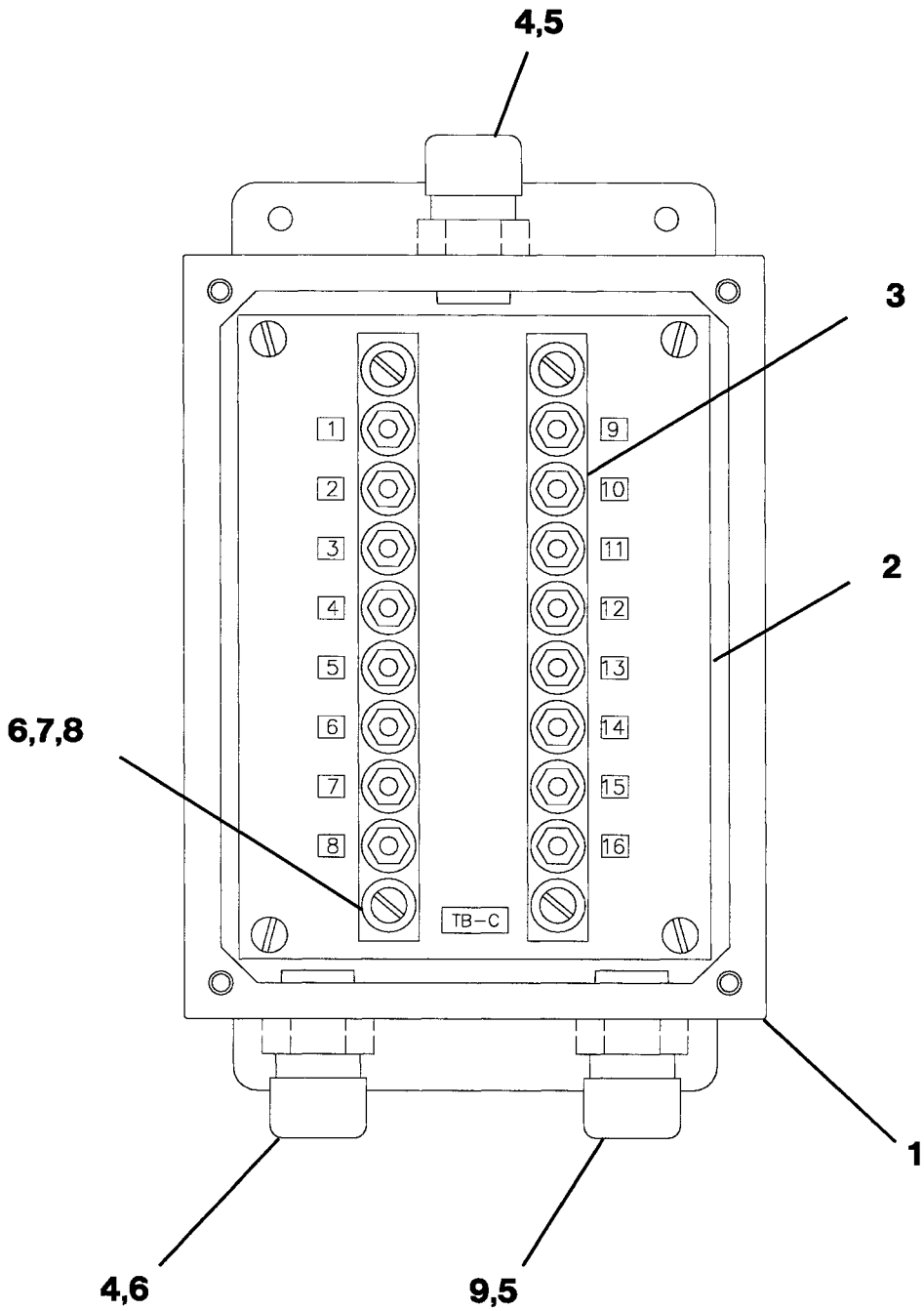
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05377	.BOX - ELECTRICAL MODIFICATION	1
2	400-05378	.PANEL - ELECTRICAL	1
3	400-05380	.RAIL - RELAY MOUNTING	1
6	400-05360	.RELAY 4PDT 12VDC	1
7	400-05274	.RELAY - BASE 4PDT	1
8	400-05116	.CLIP - RELAY RETAINER	2
9	400-03017	.BLOCK - TERMINAL 6 POST	2
10	400-15119	.RELIEF - STRAIN 3/4 .250/.375	1
11	400-15103	.NUT - LOCK 3/4 CONDUIT	1
12	223-14106	.SCREW - PHM #10 x 3/4" LONG	4
13	222-00007	.WASHER - FLAT #10	6
14	222-10006	.WASHER - LOCK #10	6
15	223-03103	.SCREW - PHM #10 x 1/2" LONG	2
16	221-00002	.NUT #10	2
17	654-00163	.TAPE - IDENTIFICATION	1
18	400-01379	.WIRE - FLAME RETARDANT 16 GA. WHITE	
19	400-01380	.WIRE - FLAME RETARDANT 16 GA. ORANGE	
20	400-01599	.WIRE - FLAME RETARDANT 16 GA. LT. BLUE	
21	400-01376	.WIRE - FLAME RETARDANT 16 GA. RED	
22	400-01378	.WIRE - FLAME RETARDANT 16 GA. BLACK	
24	400-01404	.WIRE - FLAME RETARDANT 16 GA. PURPLE	
25	400-01512	.WIRE - FLAME RETARDANT 16 GA. GREY	
26	400-01377	.WIRE - FLAME RETARDANT 16 GA. YELLOW	
27	400-01389	.WIRE - FLAME RETARDANT 16 GA. DK. BLUE	
28	400-02243	.TERMINAL - RING #10 16-14 GA.	19
29	400-02323	.TERMINAL - RING #8 16-14 GA.	2
30	400-02202	.CONNECTOR - HEAT SHRINK BUTT 16 GA.	6
31	400-02344	.CONNECTOR - HEAT SHRINK BUTT 12 GA.	3
32	400-02360	.SPLICE - QUICK 18-16-14 GA.	1

P-2512.D

ELECTRICAL BOX - PTO GOVERNOR

400-00947

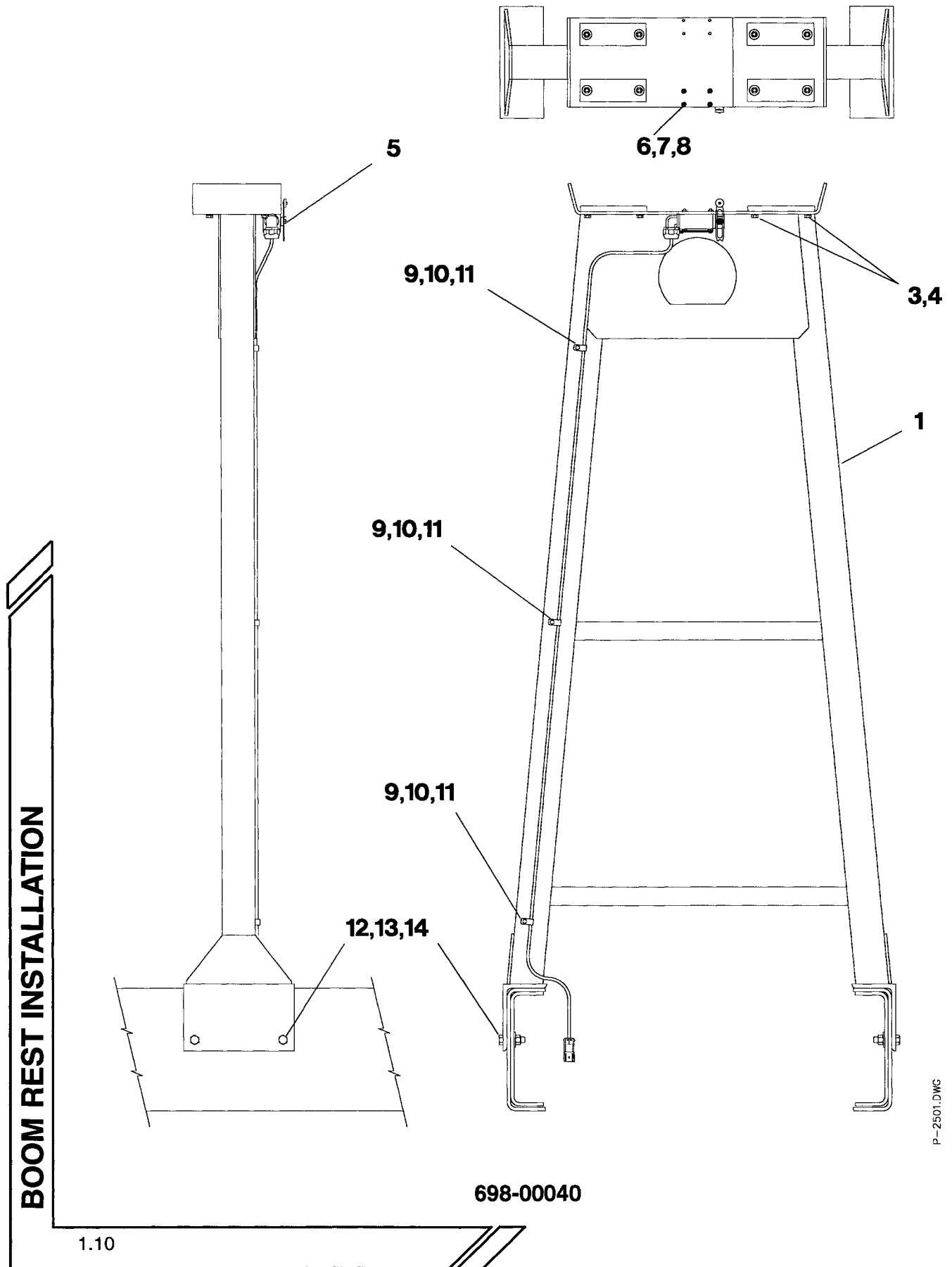
ELECTRICAL BOX S/A LOWER JUNCTION



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05361	.BOX - ELECTRICAL MOD	1
2	400-05231	.PANEL - ELECTRIC BOX	1
3	400-03013	.BLOCK - TERMINAL	2
4	400-15048	.CONNECTOR - 3/4 STRAIN RELIEF	2
5	400-15103	.NUT - LOCK 3/4 CONDUIT	3
6	222-00007	.WASHER - FLAT #10	4
7	222-10006	.WASHER - LOCK #10	4
8	400-15083	.CONNECTOR - 3/4 STRAIN RELIEF	1
	P-2578		

ELECTRICAL BOX S/A LOWER JUNCTION

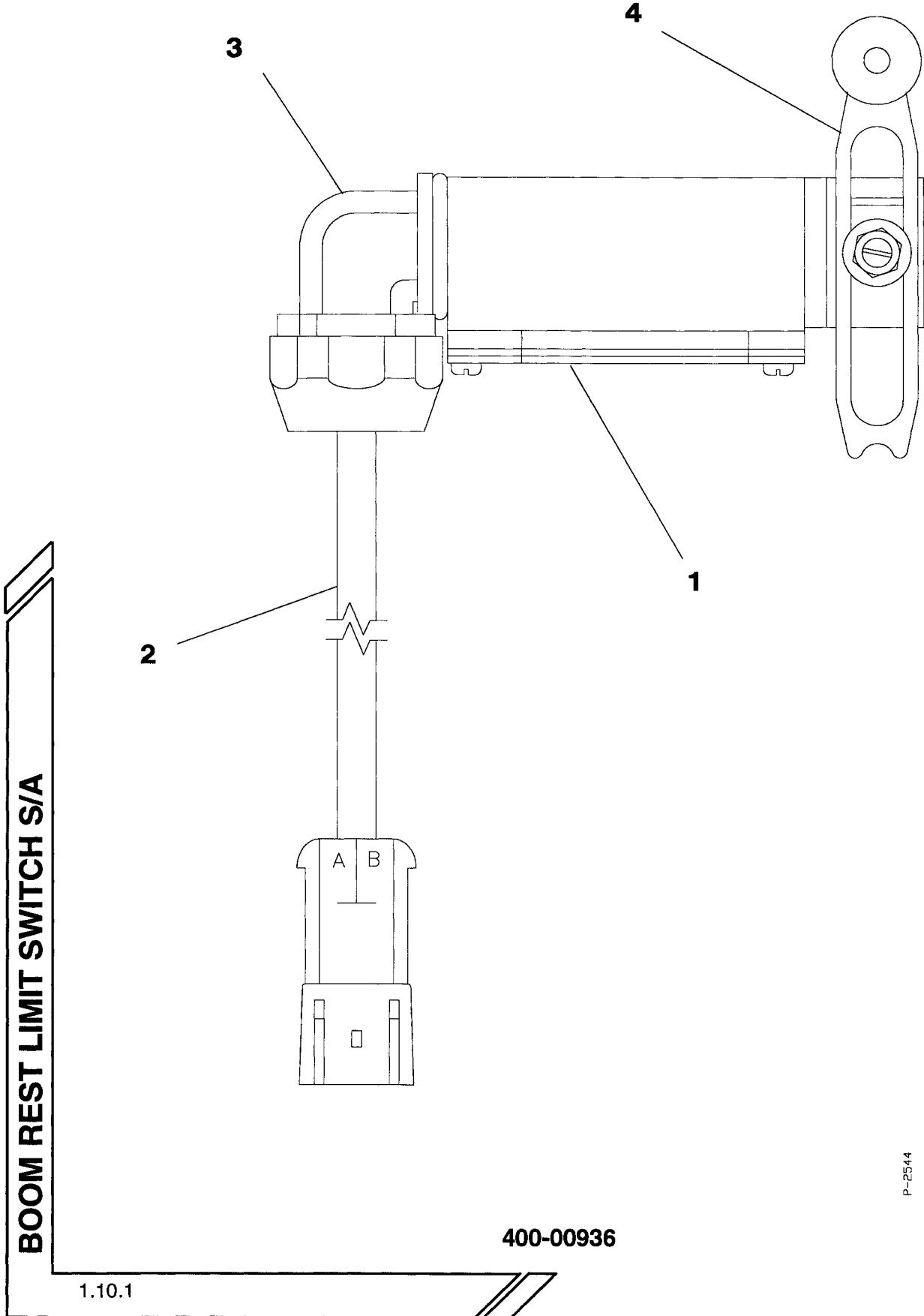
400-00899



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	709-01513	.REST - BOOM WELDMENT	1
2	729-02175	.PAD - WEAR W/POLYSERT	4
3	222-11002	.WASHER - LOCK 5/16	8
4	220-01013	.BOLT 5/16 x 5/8" LONG	8
5	400-00936	.SWITCH - BOOM REST SUBASSEMBLY (SEE 1.10.1)	1
6	223-04008	.SCREW - HEX HEAD MACHINE #10 x 1 1/2" LONG	4
7	222-00007	.WASHER - FLAT #10	8
8	221-90005	.NUT - HEX TOPLOCK #10	4
9	201-00086	.CLAMP - VINYL COVERED 1/4	3
10	222-00006	.WASHER - FLAT 1/4	3
11	223-15219	.SCREW 1/4 x 1/2" LONG	3
12	220-04048	.SCREW - HEX HEAD CAP 1/2 x 2" LONG	4
13	222-04009	.WASHER - FLAT 1/2	8
14	221-94002	.NUT - HEX TOPLOCK 1/2	4
	P-2501.D		

BOOM REST INSTALLATION

698-00040



BOOM REST LIMIT SWITCH S/A

1.10.1

400-00936

P-2544

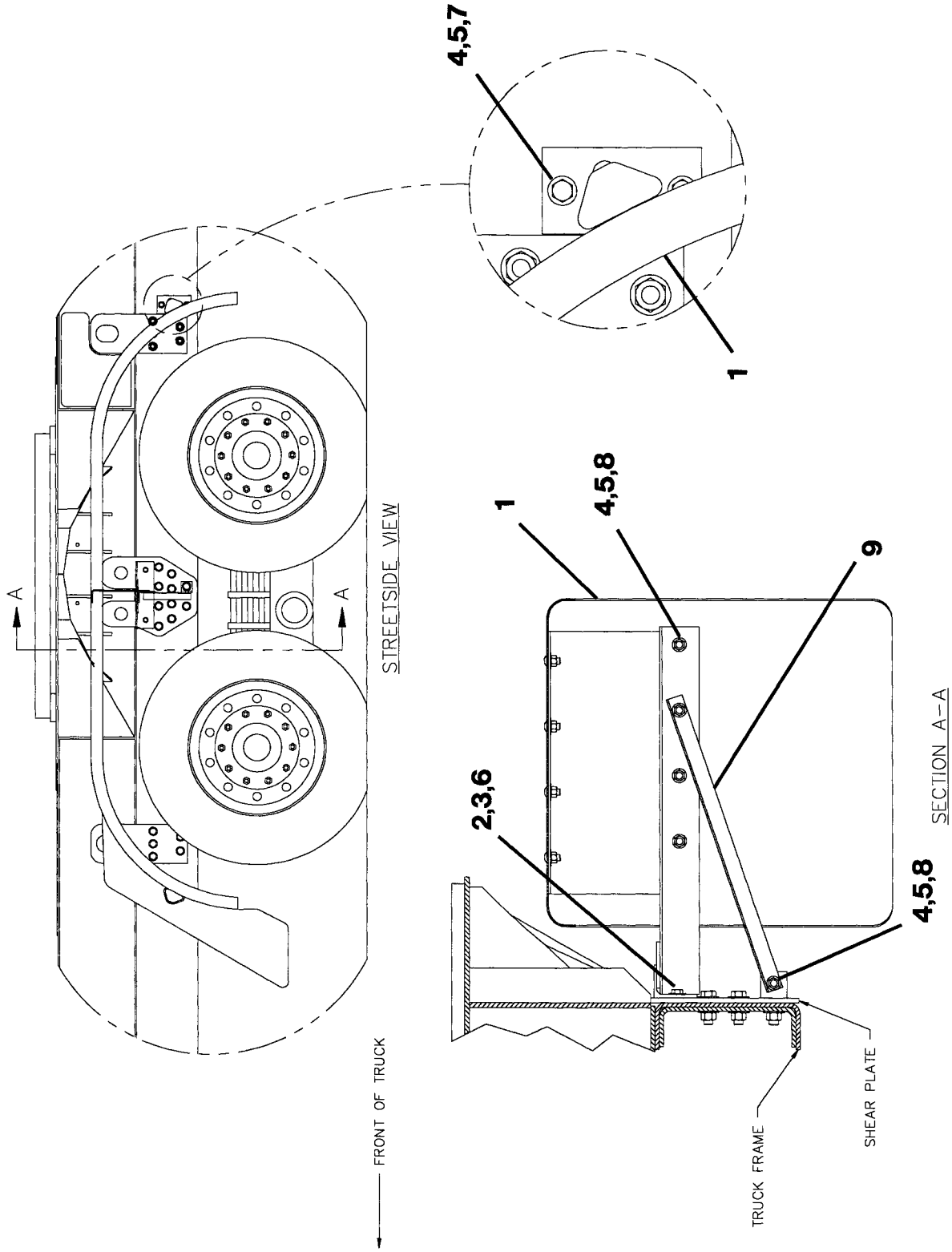
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05119	.SWITCH - ROTARY LIMIT	1
2	400-01948	.CABLE ASSEMBLY	1
3	400-15041	.RELIEF - STRAIN 90°	1
4	400-05447	.ARM - ACTUATOR ROLLER	1
	P-2544		

BOOM REST LIMIT SWITCH S/A

400-00936

FENDER INSTALLATION - 52"

1.11



600-32001

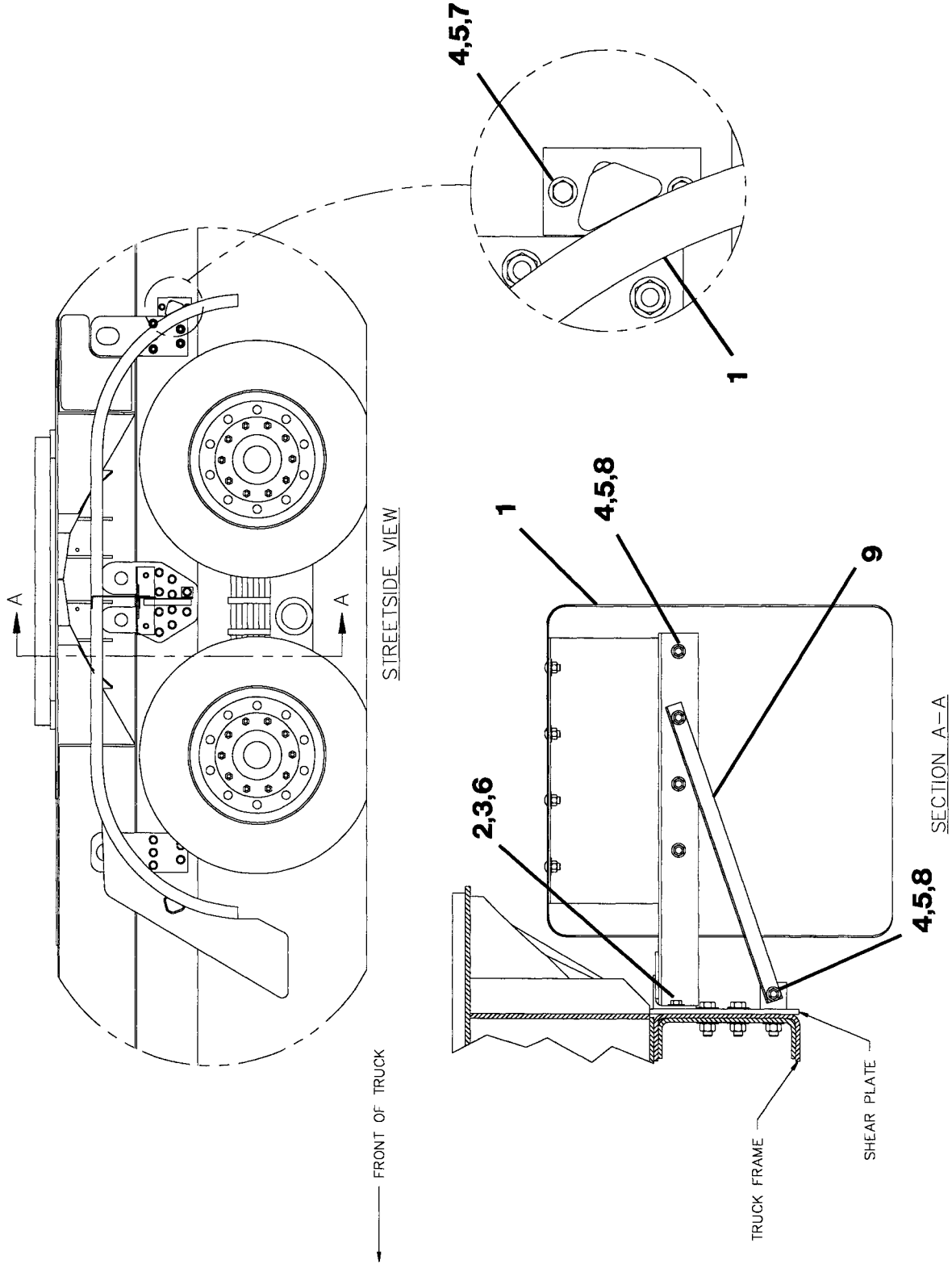
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	600-22065	.FENDER - TANDEM WELDMENT - 52"	1
2	222-14003	.WASHER - LOCK 1/2	4
3	222-04001	.WASHER - FLAT 1/2	4
4	222-02005	.WASHER - FLAT 3/8	36
5	221-92001	.NUT - TOPLOCK 3/8	18
6	220-04003	.BOLT 1/2 x 3/4" LONG	4
7	220-02007	.BOLT 3/8 x 1 3/4" LONG	8
8	220-02004	.BOLT 3/8 x 1" LONG	10
9	020-10085	.ANGLE - FENDER MOUNTING	2

P-2579

FENDER INSTALLATION - 52"

FENDER INSTALLATION - 60"

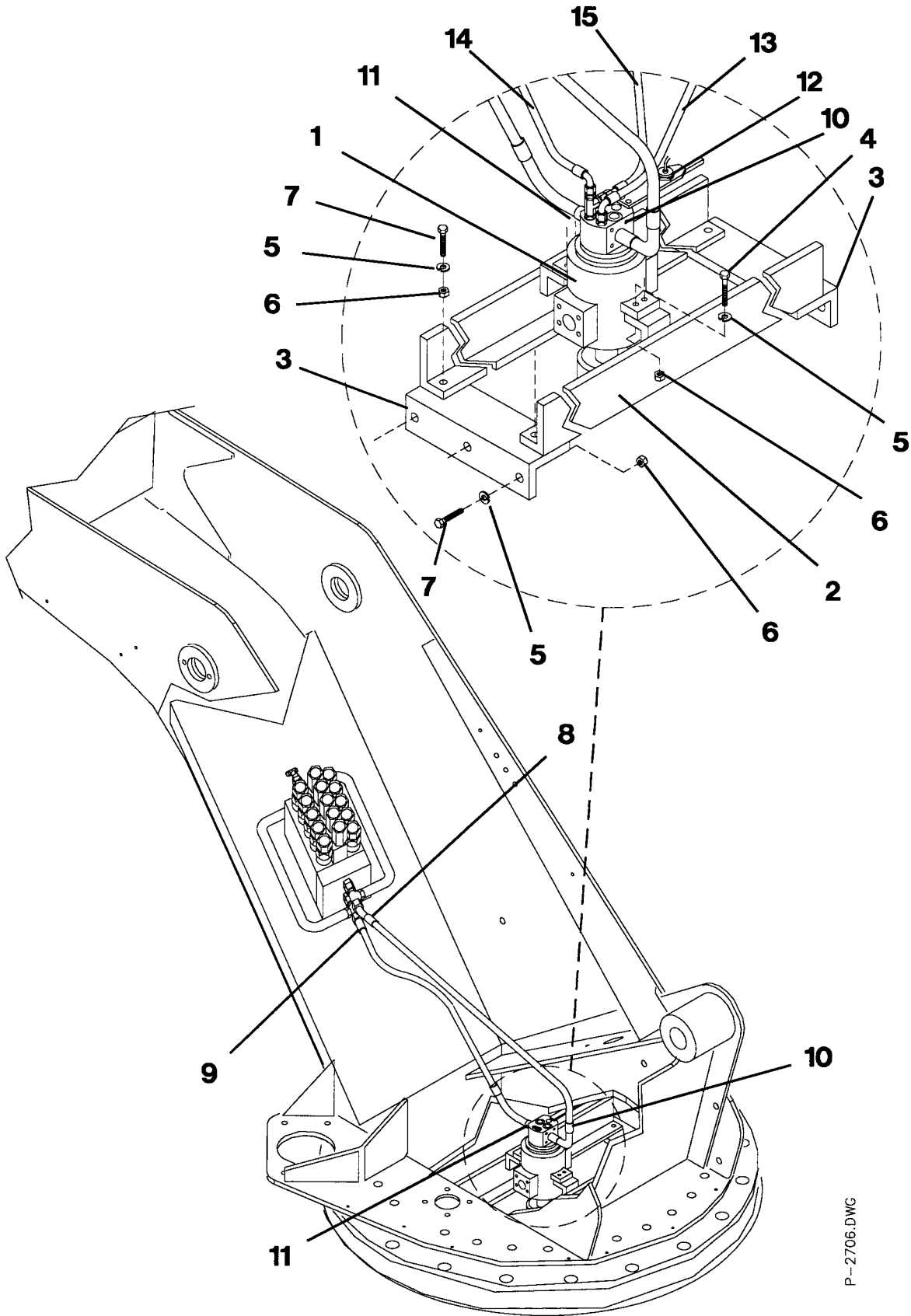
1.11



600-32002

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	600-22077	.FENDER - TANDEM WELDMENT - 60"	1
2	222-14003	.WASHER - LOCK 1/2	4
3	222-04001	.WASHER - FLAT 1/2	4
4	222-02005	.WASHER - FLAT 3/8	36
5	221-92001	.NUT - TOPLOCK 3/8	18
6	220-04003	.BOLT 1/2 x 3/4" LONG	4
7	220-02007	.BOLT 3/8 x 1 3/4" LONG	8
8	220-02004	.BOLT 3/8 x 1" LONG	10
9	020-10085	.ANGLE - FENDER MOUNTING	2
	P-2580		

FENDER INSTALLATION - 60"

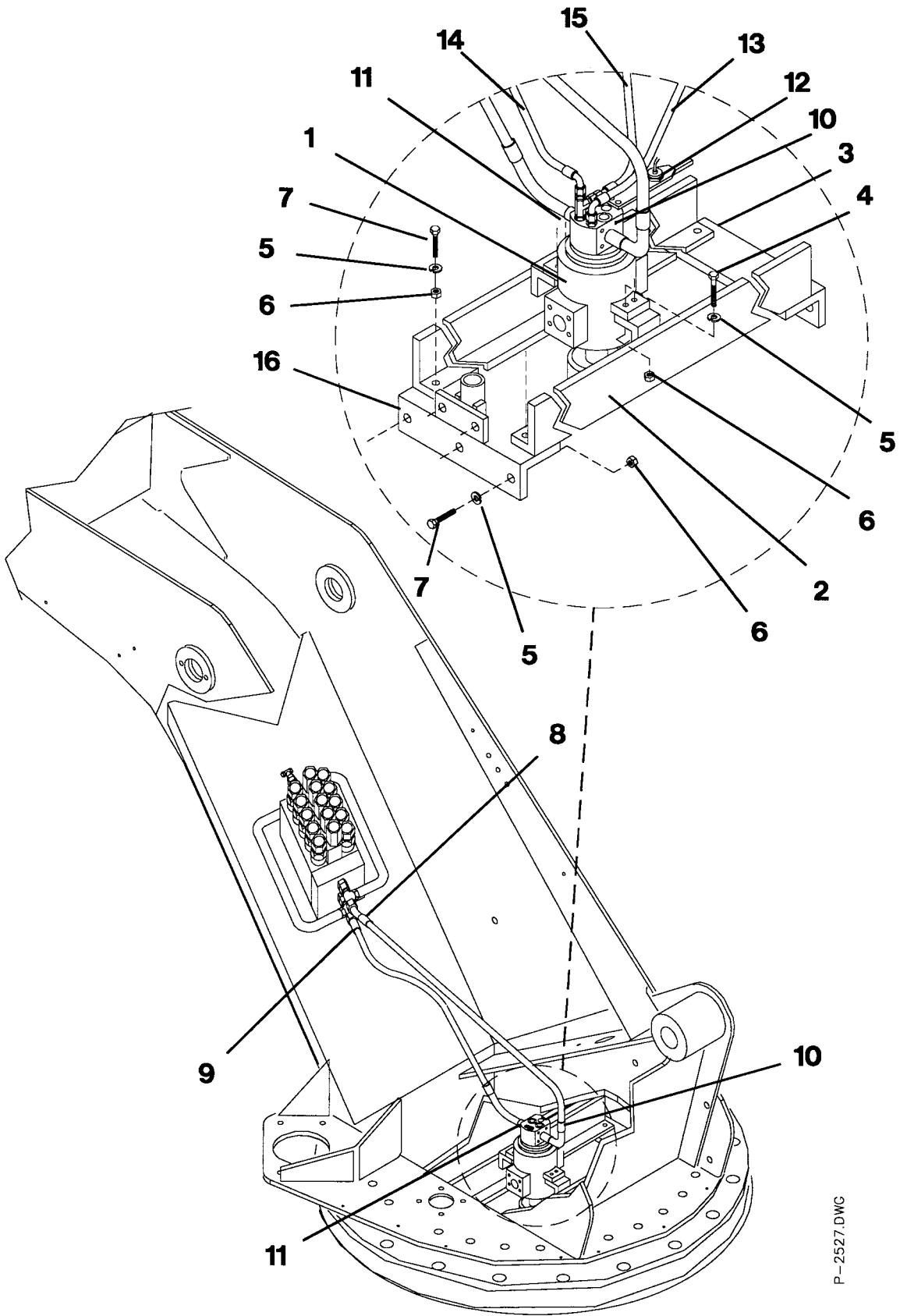


CENTERPOST INSTALLATION

500-01643

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	500-01644	.CENTERPOST SUBASSEMBLY (SEE 2.0.1)	1
2	770-02046	.BRACKET - CENTERPOST SUPPORT	2
3	785-01823	.ANGLE - CENTERPOST BRACKET SUPPORT	2
4	220-04005	.BOLT 1/2 x 1 1/2" LONG	4
5	222-14003	.WASHER - LOCK 1/2	12
6	221-04001	.NUT - HEX 1/2	12
7	220-04002	.BOLT 1/2 x 1 1/4" LONG	8
8	502-60117	.HOSE - SUPPLY ASSEMBLY	1
9	502-60118	.HOSE - RETURN ASSEMBLY	1
10	505-03001	.KIT - FLANGE 1 1/4	1
11	505-03003	.KIT - FLANGE 1 1/2	1
12	400-05373	.PROXIMITY SENSOR	REF
13	502-20866	.HOSE ASSY - LOAD SENSE (M VALVE/CENTERPOST)	1
14	502-30639	.HOSE ASSY - DRAIN (CENTERPOST/SWING)	1
15	502-11174	.HOSE ASSY - DRAIN (MAIN VALVE/CENTERPOST)	1
	P-2706.D		

500-01643



CENTERPOST INSTALL wHOUSELOCK

500-01662

P-2527.DWG

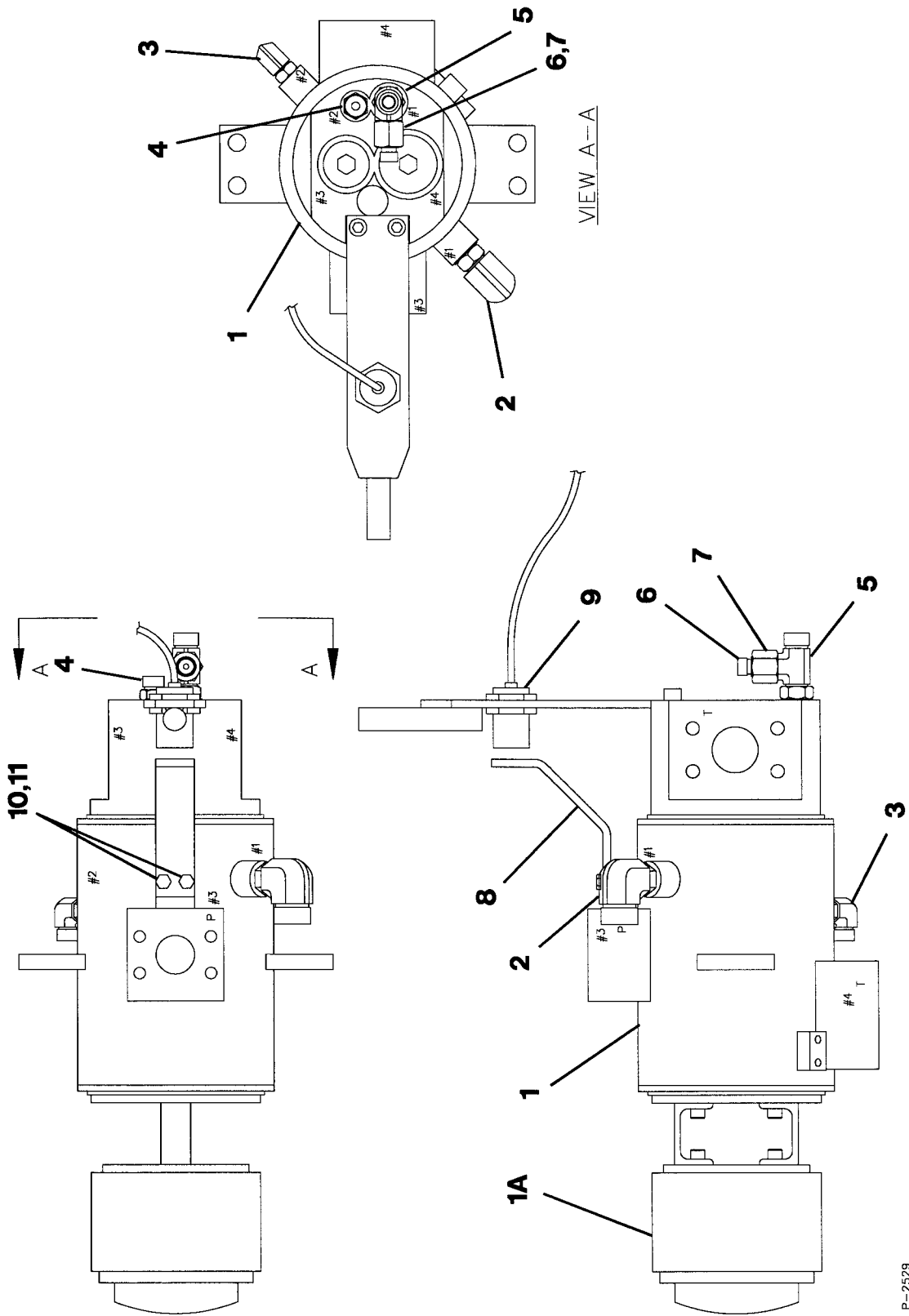
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	500-01644	.CENTERPOST SUBASSEMBLY (SEE 2.0.1)	1
2	770-02046	.BRACKET - CENTERPOST SUPPORT	2
3	785-01823	.ANGLE - CENTERPOST BRACKET SUPPORT	1
4	220-04005	.BOLT 1/2 x 1 1/2" LONG	6
5	222-04001	.WASHER -FLAT 1/2	15
6	221-94002	.NUT - HEX 1/2, TOPLOCK	15
7	220-04002	.BOLT 1/2 x 1 1/4" LONG	9
8	502-60117	.HOSE - SUPPLY ASSEMBLY	1
9	502-60118	.HOSE - RETURN ASSEMBLY	1
10	505-03001	.KIT - FLANGE 1 1/4	1
11	505-03003	.KIT - FLANGE 1 1/2	1
12	400-05373	.PROXIMITY SENSOR	REF
13	502-20866	.HOSE ASSY - LOAD SENSE (M VALVE/CENTERPOST)	1
14	502-30639	.HOSE ASSY - DRAIN (CENTERPOST/SWING)	1
15	502-11174	.HOSE ASSY - DRAIN (MAIN VALVE/CENTERPOST)	1
16	770-02151	.BRACKET - HOUSELOCK SUPPORT WELDMENT	1

P-2527.D

CENTERPOST INSTALL WHOUSELOCK

CENTERPOST SUBASSEMBLY

2.0.1

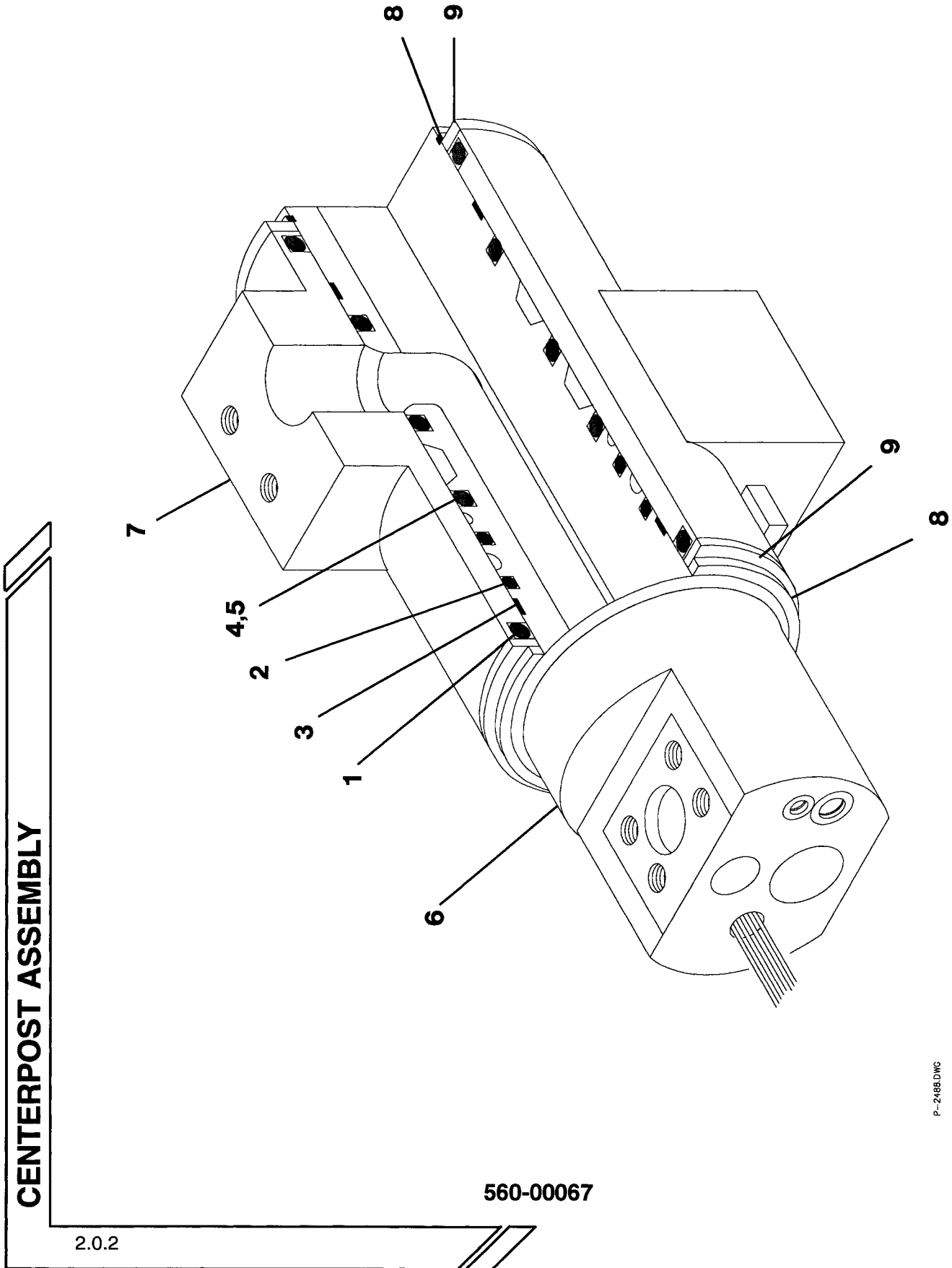


500-01644

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	560-00067	.CENTERPOST ASSEMBLY (SEE 2.0.2)	1
1A	903-00027	..CONTACT - 10 CIRCUIT ROTARY ASSEMBLY	1
2	514-57013	.ELBOW - 90°	1
3	514-54004	.ELBOW - 90°	1
4	513-40014	.CONNECTOR - STRAIGHT	1
5	516-85005	.TEE - RUN	1
6	519-50012	.REDUCER	1
7	511-50004	.NUT - #8 OFS	1
8	785-01856	.ANGLE - PROXIMITY SENSOR TARGET	1
9	400-05373	.SWITCH - PROXIMITY SENSOR	1
10	220-00003	.BOLT - HHCS 1/4NC x 3/4" LONG	2
11	222-10005	.WASHER - LOCK 1/4	2
*12	400-15169	.HEAT SHRINK TUBING - 1"	10FT
	* NOT SHOWN		
	P-2529		

CENTERPOST SUBASSEMBLY

500-01644



ITEM	PART NUMBER	DESCRIPTION	QTY.
*1	903-00018	.SEAL - ENVIRONMENTAL	2
*2	903-00019	.SEAL - ENVIRONMENTAL	2
*3	903-00020	.BEARING	2
*4	903-00021	.SEAL - CAP	3
*5	903-00022	.O-RING	3
6	903-00023	.BODY	1
7	903-00024	.HOUSING ASSEMBLY	1
8	903-00025	.RETAINING RING	2
9	903-00026	.RING	2

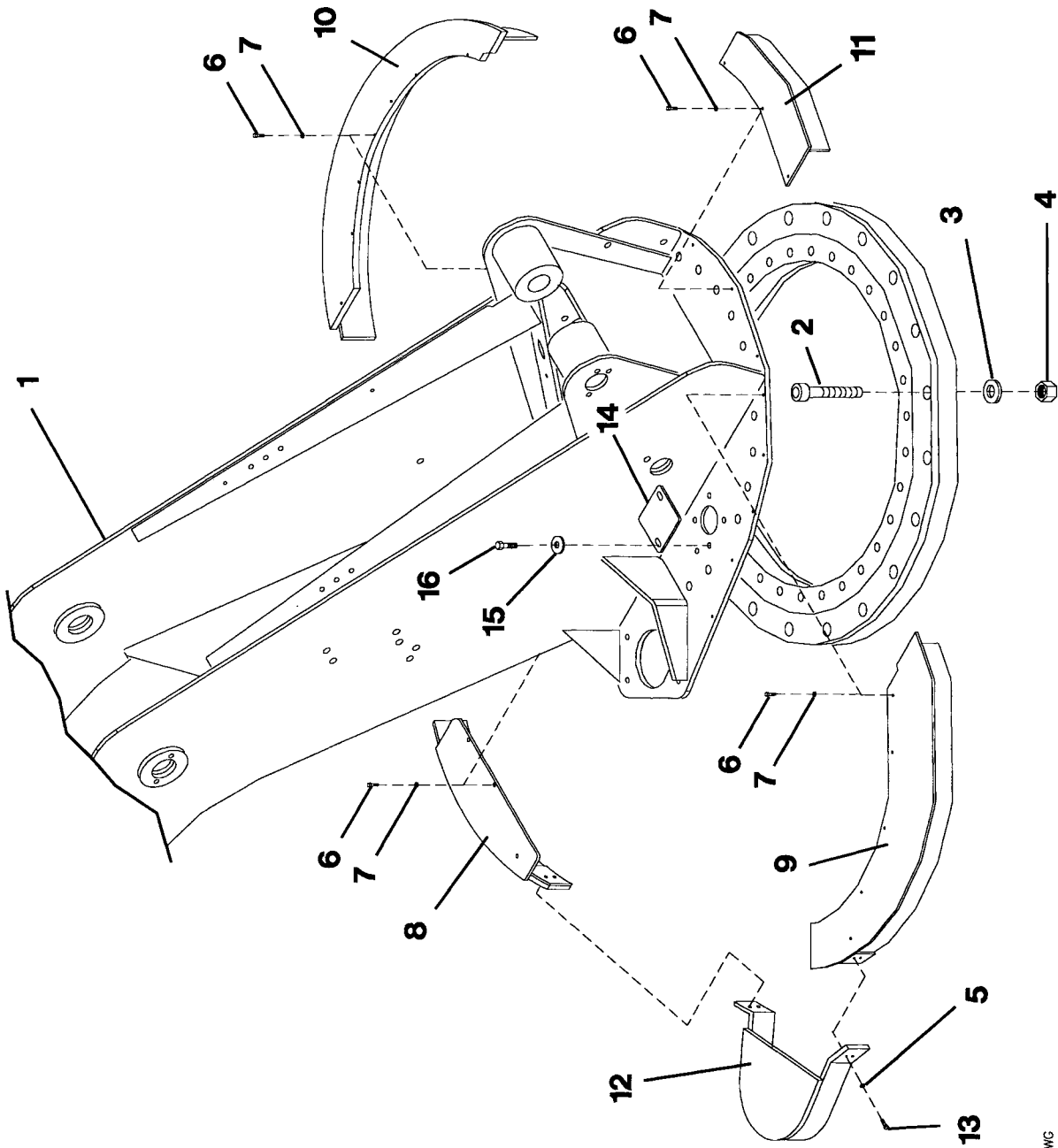
P-2488.D

*ITEMS INCLUDED IN SEAL KIT #268-95015

560-00067

TURRET INSTALLATION

2.1



710-00239

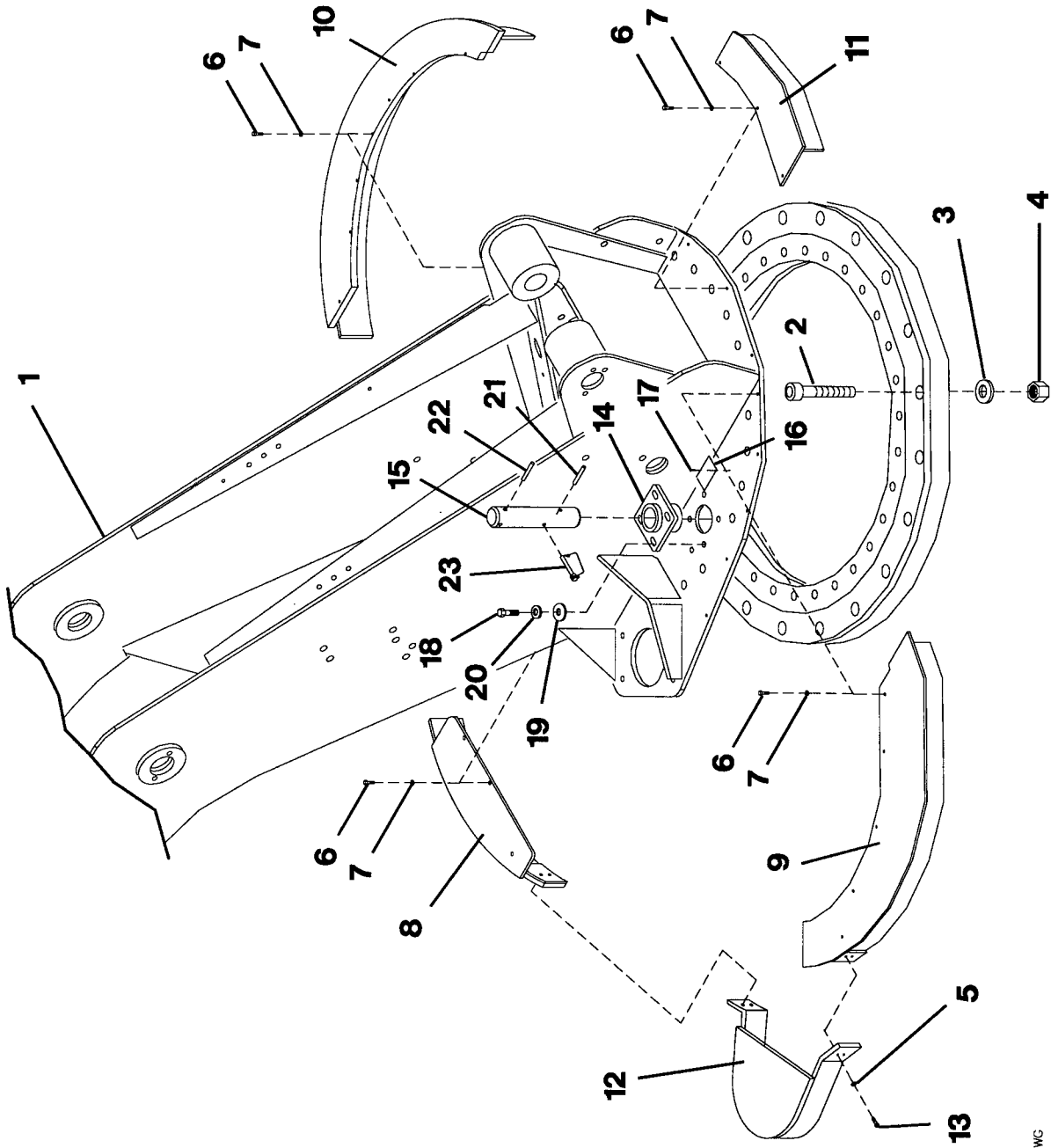
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	711-00020	.TURRET ASSEMBLY	1
2	220-39005	.SCREW - SOCKET HEAD CAP 1 x 5 1/2" LONG	20
3	222-09004	.WASHER - FLAT 1	20
4	221-99002	.NUT - HEX TOPLOCK 1	20
5	222-12001	.LOCKWASHER - 3/8 MED	4
6	223-15217	.SCREW - HEX HEAD MACHINE 5/16 x 1/2" LONG	18
7	222-11002	.WASHER - LOCK 5/16 MEDIUM	18
8	719-00406	.SHROUD - ROTATION GEAR WELDMENT-BACK	1
9	719-00405	.SHROUD - ROTATION GEAR WELDMENT-RIGHT	1
10	719-00404	.SHROUD - ROTATION GEAR WELDMENT-LEFT	1
11	719-00403	.SHROUD - ROTATION GEAR WELDMENT-FRONT	1
12	802-01498	.COVER - PINION WELDMENT	1
13	220-02013	.BOLT 3/8 x 1/2" LONG	4
14	789-04715	.PLATE - HOUSELOCK COVER	1
15	222-04001	.FLATWASHER - 1/2 MED	2
16	220-04004	.BOLT 1/2 x 1" LONG	2

P-2707

710-00239

TURRET INSTALLATION w/HOUSELOCK

2.1



710-00244

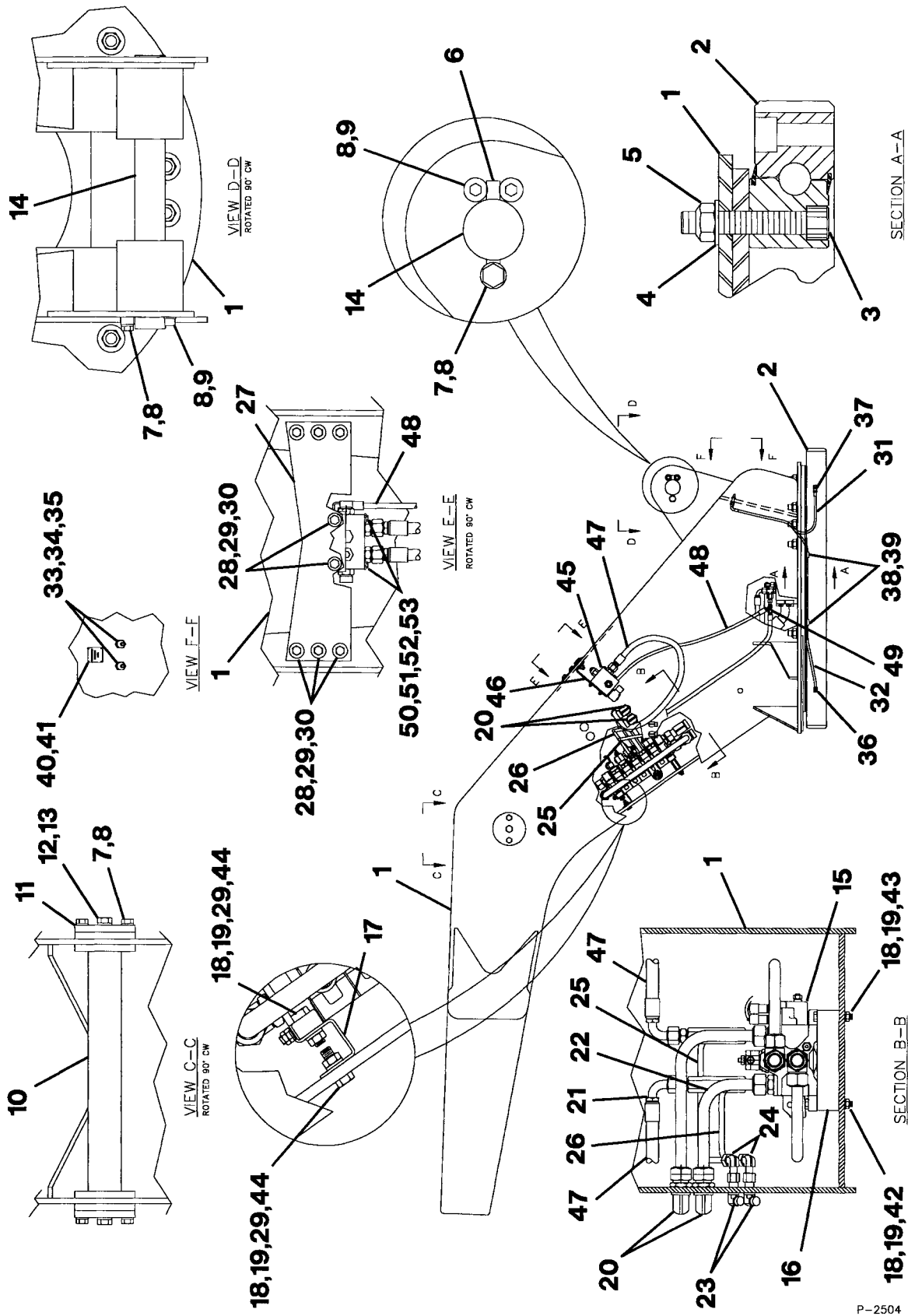
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	711-00020	.TURRET ASSEMBLY	1
2	220-39005	.SCREW - SOCKET HEAD CAP 1 x 5 1/2" LONG	20
3	222-09004	.WASHER - FLAT 1	20
4	221-99002	.NUT - HEX TOPLOCK 1	20
5	222-12001	.LOCKWASHER - 3/8 MED	4
6	223-15217	.SCREW - HEX HEAD MACHINE 5/16 x 1/2" LONG	18
7	222-11002	.WASHER - LOCK 5/16 MEDIUM	18
8	719-00406	.SHROUD - ROTATION GEAR WELDMENT-BACK	1
9	719-00405	.SHROUD - ROTATION GEAR WELDMENT-RIGHT	1
10	719-00404	.SHROUD - ROTATION GEAR WELDMENT-LEFT	1
11	719-00403	.SHROUD - ROTATION GEAR WELDMENT-FRONT	1
12	802-01498	.COVER - PINION WELDMENT	1
13	220-02013	.BOLT 3/8 x 1/2" LONG	4
14	770-02158	.SUPPORT - HOUSELOCK PIN	1
15	870-40185	.PIN - HOUSELOCK	1
16	651-00316	.PLACARD - HOUSELOCK WARNING	1
17	226-40001	.RIVET - METAL TACK	4
18	220-04005	.SCREW - HEX HEAD CAP 1/2 x 1 1/2" LONG	4
19	222-04001	.WASHER - FLAT 1/2	4
20	222-14003	.WASHER - LOCK 1/2	4
21	224-16003	.ROLLPIN - 1/4 x 2 1/2" LONG	1
22	224-16002	.ROLLPIN - 1/4 x 2 1/2" LONG	1
23	870-00081	.PIN - SNAPPER	1

P-2523

TURRET INSTALLATION WHOUSELOCK

TURRET ASSEMBLY

2.1.1



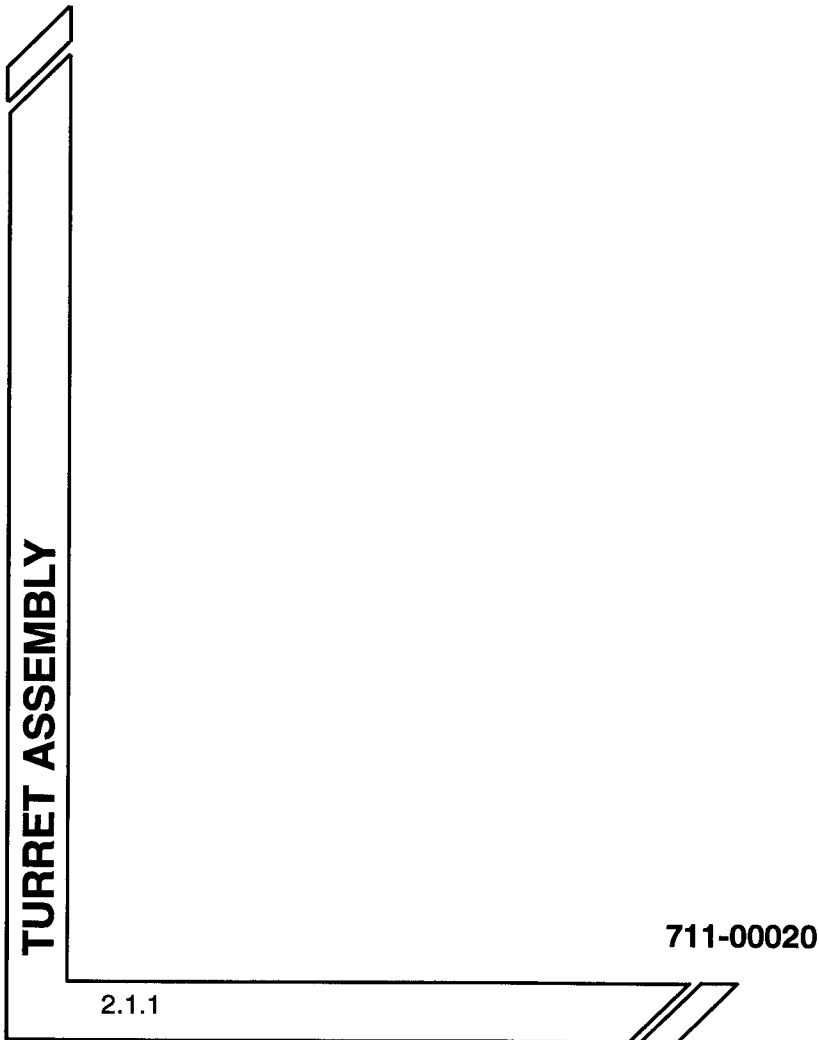
711-00020

P-2504

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	712-00203	.TURRET WELDMENT - FINAL	1
2	716-00034	.BEARING - ROTATION	1
3	220-39005	.SCREW - SLOT HEAD CAP 1 x 5 1/2" LONG	29
4	222-09004	.WASHER - FLAT 1	29
5	221-99002	.NUT - HEX TOPLOCK 1	29
6	224-26005	.ROD - END 5/8 x 4 1/4" LONG	1
7	220-06037	.BOLT 5/8 x 1 1/2" LONG	5
8	222-16003	.WASHER - LOCK 5/8	7
9	220-36010	.BOLT 5/8 x 3/4" LONG	2
10	870-90038	.PIN 3 x 25" LONG	1
11	789-04452	.PLATE - PIN RETAINER	2
12	220-07006	.BOLT 3/4 x 2" LONG	2
13	222-17001	.WASHER - LOCK 3/4	2
14	870-80010	.PIN 2 3/4 x 24 5/8" LONG	1
15	550-01641	.VALVE - MAIN HYDRAULIC SUBASSEMBLY	1
16	782-01519	.TUBE - VALVE SPACER	2
17	770-02245	.BRACKET - VALVE SUPPORT	2
18	221-04001	.WASHER - LOCK 1/2	6
19	220-04001	.NUT - HEX 1/2	6
20	518-80009	.ELBOW - 90° BULKHEAD #16	2
21	510-90354	.TUBE - MAIN WINCH ASSEMBLY-LOWER	1
22	510-90355	.TUBE - MAIN WINCH ASSEMBLY-RAISE	1
23	518-40008	.ELBOW - 90° BULKHEAD #8	2
24	514-65004	.ELBOW - 90° SWIVEL NUT #8	2
25	510-50413	.TUBE - SWING (BULKHEAD/C1 PORT) ASSEMBLY	1
26	510-50412	.TUBE - SWING (BULKHEAD/C2 PORT) ASSEMBLY	1
27	789-04414	.PLATE - STIFFENER	1
28	220-04007	.SCREW - HEX HEAD CAP 1/2 x 1 3/4" LONG	8
29	222-04001	.WASHER - FLAT 1/2	20
30	221-94002	.NUT - TOPLOCK 1/2	8
31	502-11175	.HOSE - BEARING LUBE ASSEMBLY-FRONT	1
32	502-11176	.HOSE - BEARING LUBE ASSEMBLY-REAR	1
33	501-03002	.ZERK - GREASE 1/8 STRAIGHT	2
34	518-20001	.CONNECTOR #4 x 1/8" LONG	2
35	511-21001	.NUT - LOCK #4	2
36	515-02002	.ELBOW - 45° #4 x 1/8	1
37	513-20007	.CONNECTOR #4 x 1/8	1
38	201-00142	.CLAMP - TUBE 1/4 x 1/2" LONG	2
39	223-15210	.SCREW - HEX HEAD MACHINE 5/16 x 3/4" LONG	2
40	652-00116	.PLACARD - MAIN BEARING LUBE	1
41	226-40001	.RIVET - METAL TACK	4
42	220-04011	.BOLT 1/2 x 4" LONG	1
43	220-04010	.BOLT 1/2 x 3 1/4" LONG	1
44	220-04005	.BOLT 1/2 x 1 1/2" LONG	4
45	559-00207	.VALVE - BOOM REGEN ASSEMBLY	1
46	770-02250	.BRACKET - BOOM REGEN VALVE MOUNTING	1
47	502-40853	.HOSE - BOOM REGEN VALVE ASSEMBLY	2
48	502-11172	.HOSE - TRANS TRANS/CYLINDER	1

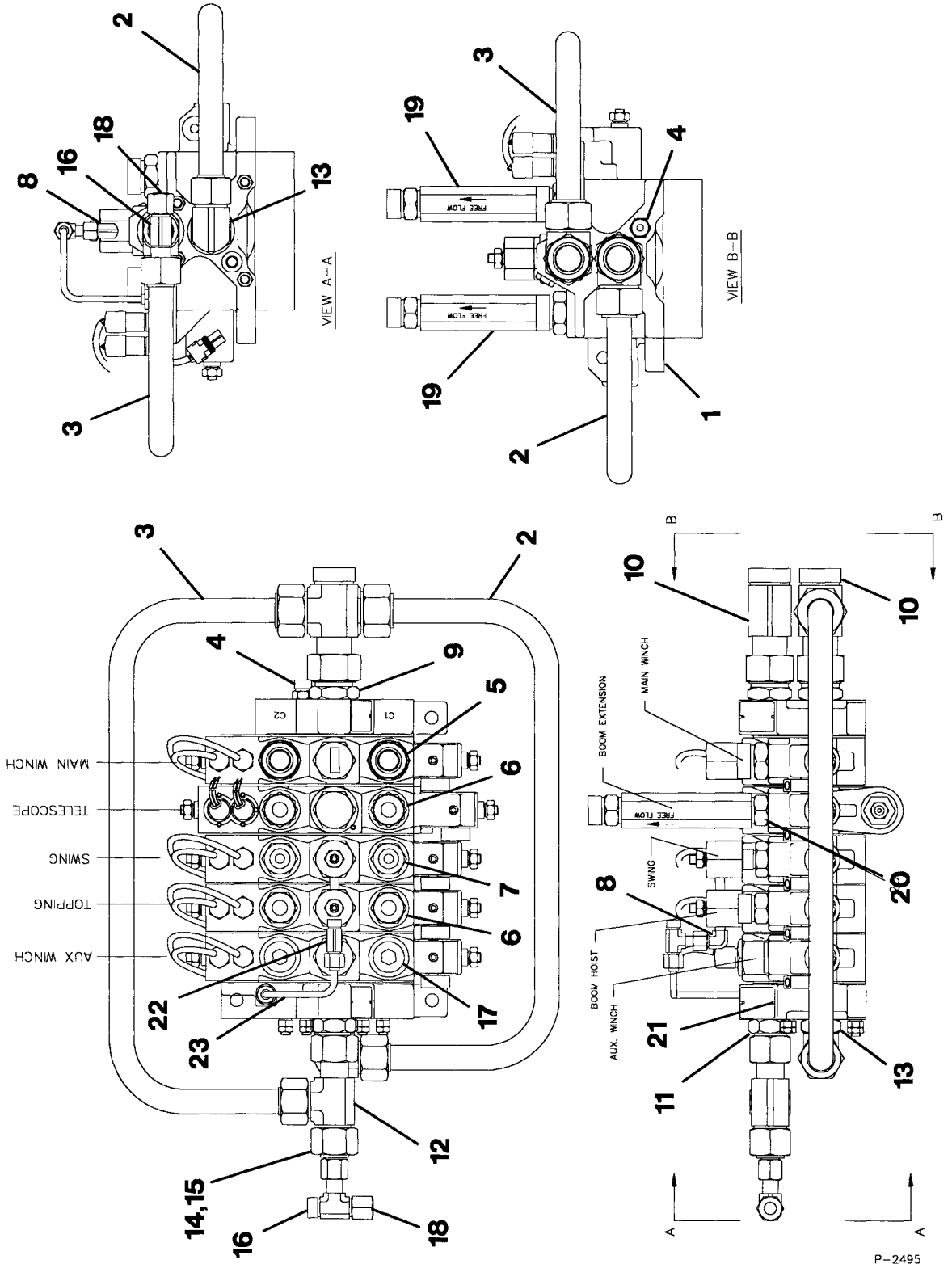
711-00020

49	516-82003	.CONNECTOR - TEE	1
50	220-01023	.BOLT 5/16 x 4 1/2" LONG	2
51	221-01001	.NUT - HEX 5/16	2
52	222-01001	.WASHER - FLAT 5/16	2
53	222-11002	.WASHER - LOCK 5/16	2
	P-2504.D		



MAIN CONTROL VALVE SUBASSEMBLY

2.1.2



P-2495

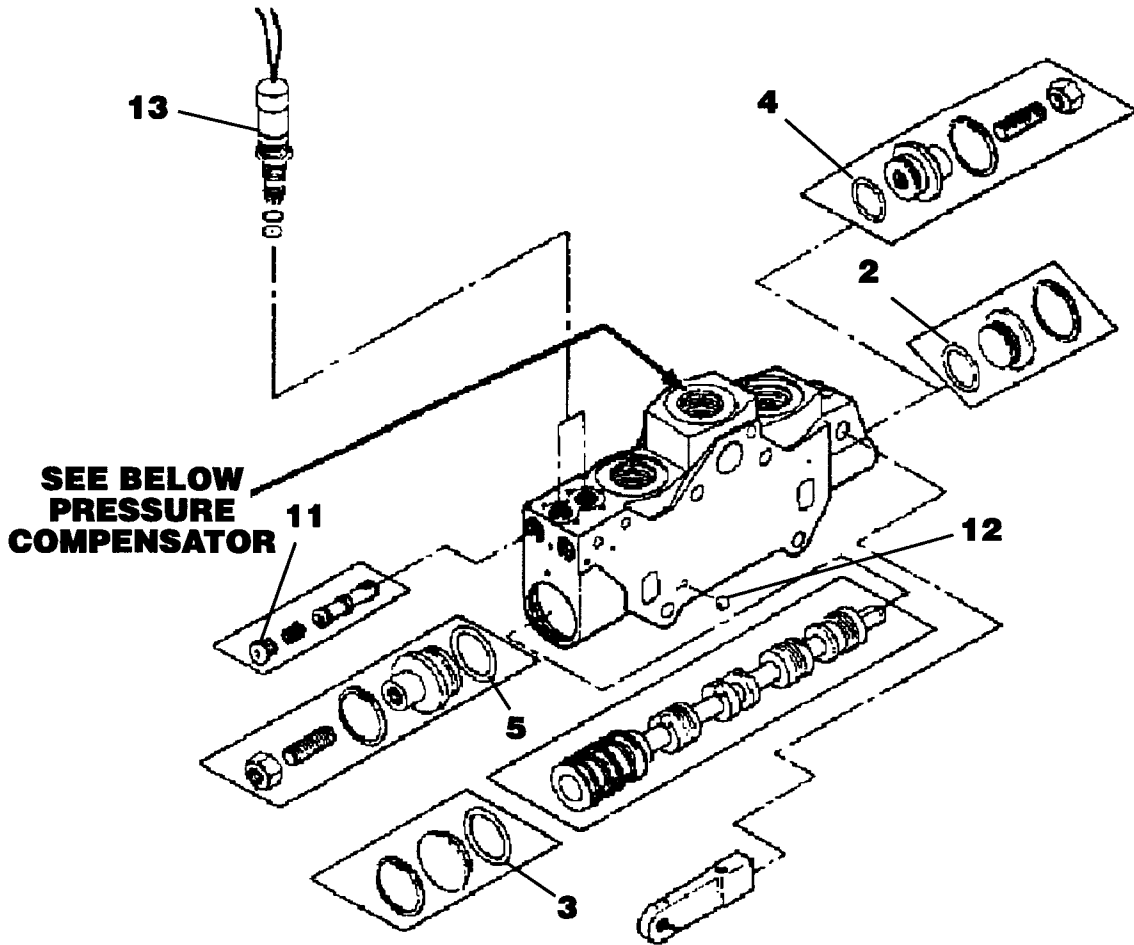
500-01641

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	500-01625	.VALVE - MAIN CONTROL ASSEMBLY	1
2	510-90351	.TUBE - RETURN CROSS-OVER ASSEMBLY	1
3	510-90350	.TUBE - PRESS CROSS-OVER ASSEMBLY	1
4	513-40017	.CONNECTOR #6 OFS x #4 ORB	1
5	513-90035	.CONNECTOR #16 OFS x #12 ORB	4
6	513-70023	.CONNECTOR #12 OFS x #12 ORB	4
7	513-50028	.CONNECTOR #8 OFS x #12 ORB	2
8	514-02008	.ELBOW - 90° #4 OFS x 1/8 MPT	1
9	513-90056	.CONNECTOR #20 OFS x #16 ORB	2
10	516-89022	.TEE - RUN S.N. #20 OFS	2
11	513-90032	.CONNECTOR #16 OFS x #16 ORB	1
12	516-89011	.TEE - RUN S.N. #16 OFS	1
13	514-59021	.ELBOW - 90° #16 OFS x #16 ORB	1
14	519-70036	.TUBE - REDUCER #16 OFS x #8 OFS	1
15	511-90006	.NUT #16 OFS	1
16	516-85007	.TEE S.N. BRANCH #8 OFS	1
*17	517-30012	.PLUG #12 ORB	2
**18	519-50010	.CAP #8 OFS	1
19	559-00200	.RELEIF VALVE - INLINE	2
20	517-00014	.UNION CONNECTOR #12 ORB	2
21	513-20017	.CONNECTOR #4 OFS x #4 ORB	1
22	516-82004	.TEE - S.N. BRANCH #4 OFS	1
23	510-20446	.TUBE ASSEMBLY - DRAIN	1

P-2495.D

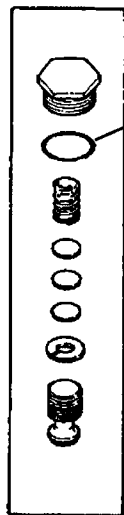
*PLUGS ARE OMITTED WITH FITTINGS (ITEM #5) IF EQUIPPED WITH
OPTIONAL AUXILIARY WINCH; REPLACE WITH ITEM #5. SEE 4.0

**CAP IS OMITTED IF EQUIPPED WITH OPTIONAL AIR CONDITIONER.
SEE 2.7

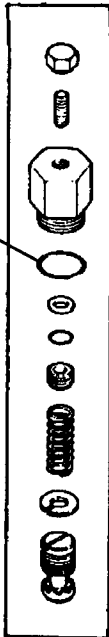


MAIN CONTROL VALVE ASSEMBLY

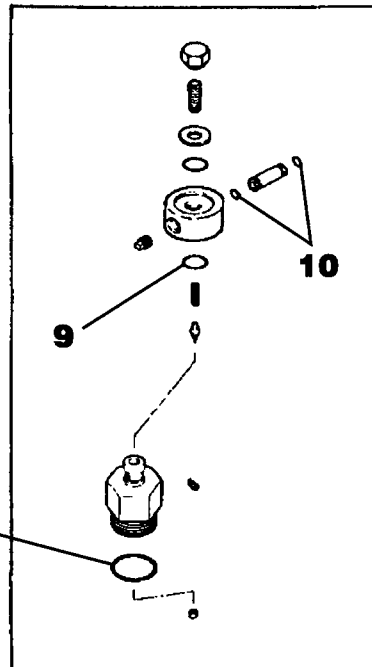
**AUXILIARY WINCH
BOOM EXTEND/RETRACT**



**MAIN
WINCH**



SWING/TOPPING



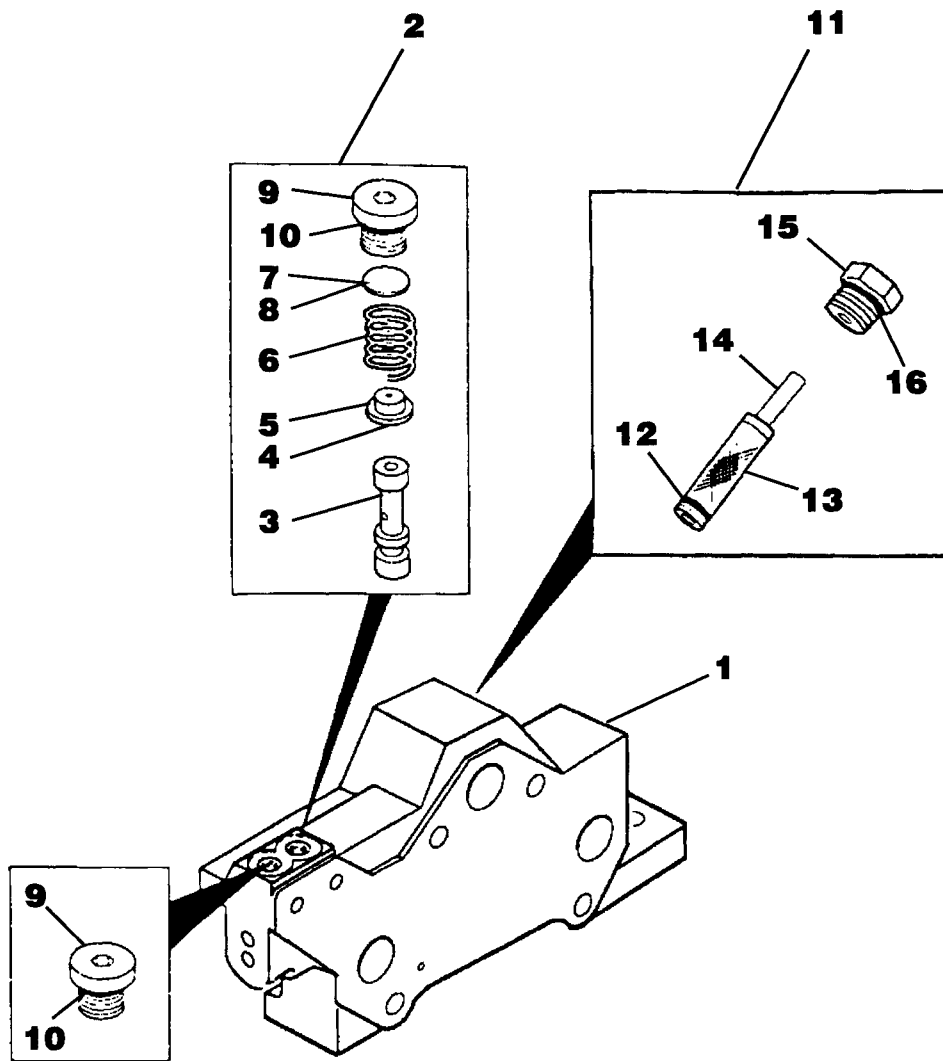
WORK SEGMENT

500-01625

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	269-00151	.SEAL KIT - WORK SEGMENT (ONE PER SEGMENT)	1
2		..O-RING	1
3		..O-RING	1
4		..O-RING	1
5		..O-RING	1
6		..O-RING	1
7		..O-RING	1
8		..O-RING	1
9		..O-RING	1
10		..O-RING	2
11		..O-RING	2
12		..BALL	1
13	941-00007	.PULSAR	1
REFER TO VENDOR MANUAL FOR OTHER SERVICE PARTS.			
P-2718			

WORK SEGMENT
500-01625

MAIN CONTROL VALVE ASSEMBLY



LOAD SENSING INLET PLATE

P-2718A

500-01625

2.1.2.1

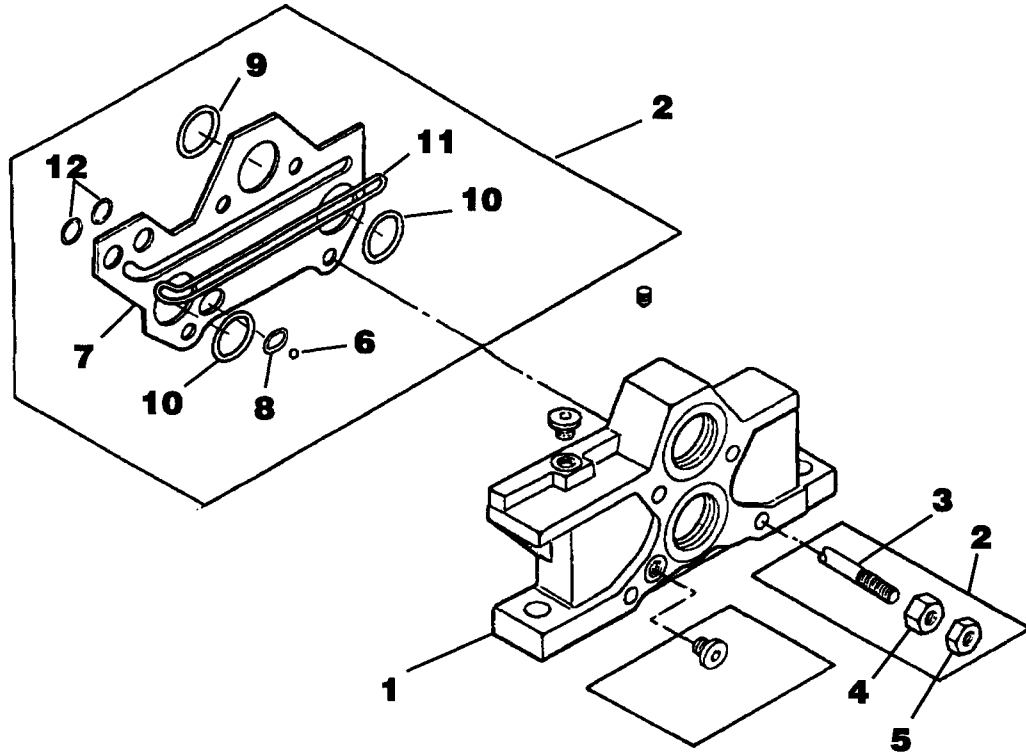
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	941-00005	.INLET - LOAD SENSE	1
2	269-00147	.KIT - PILOT REDUCING	1
3		..SPOOL - PILOT REDUCING	1
4		..BALL	1
5		..GUIDE - SPRING	1
6		..SPRING	1
7		..SHIM	1
8		..SHIM	1
9		..PLUG - SOCKET	2
*10		..O-RING	2
11	269-00148	.KIT - INLET FILTER	1
*12		..O-RING	1
*13		..FILTER	1
14		..TUBE - FILTER EXTENSION	1
15		..PLUG - SOCKET	1
*16		..O-RING	1

*ITEMS INCLUDED IN SEAL KIT # 269-00149

P-2718A

LOAD SENSING INLET PLATE

500-01625



MAIN CONTROL VALVE ASSEMBLY

OUTLET PLATE

P-2718B

500-01625

2.1.2.1

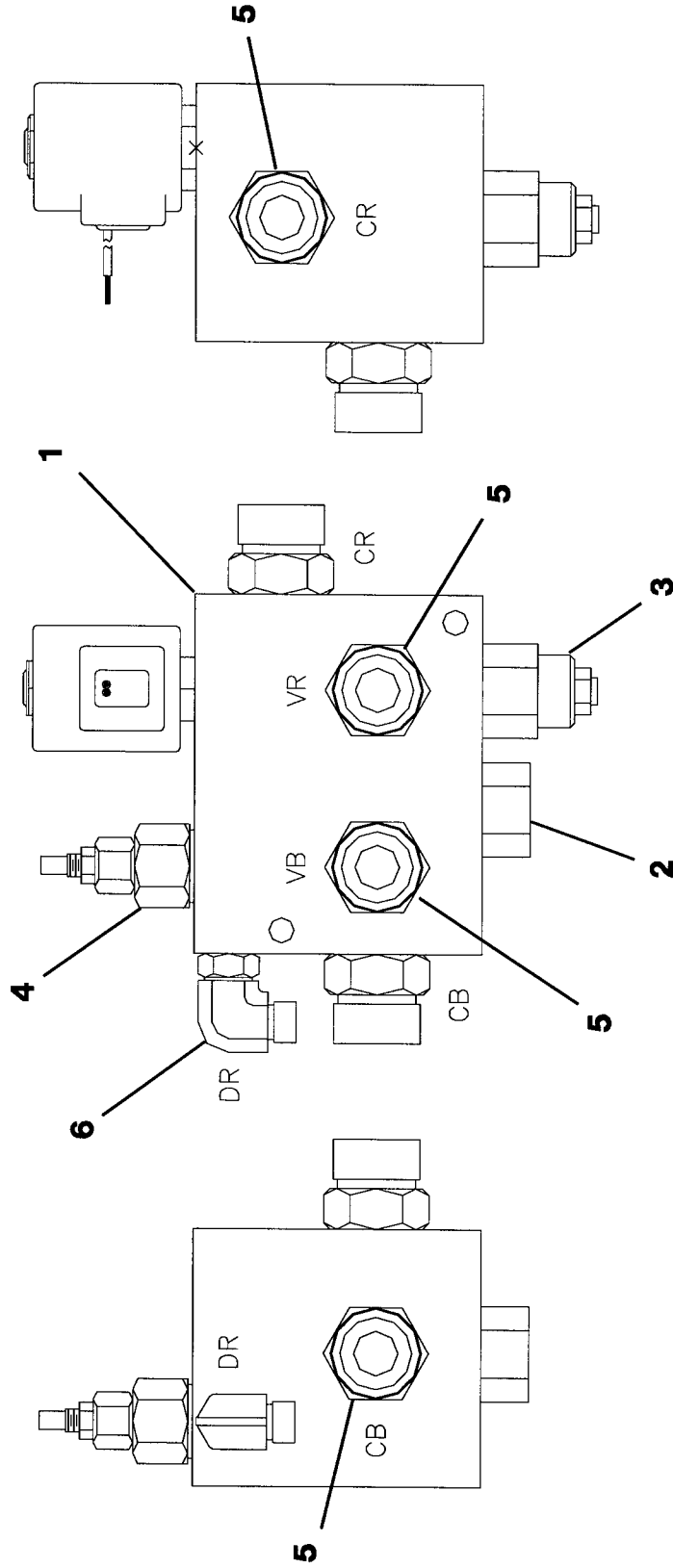
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	941-00006	.PLATE - STACKING	5
2	941-00009	.KIT - SEAL PLATE	1
3		..ROD - TIE	4
4		..NUT - HEX	4
5		..NUT - JAM	4
*6		..BALL	5
*7		..PLATE - SEAL	6
*8		..O-RING	6
*9		..O-RING	6
*10		..O-RING	12
*11		..O-RING	6
*12		..O-RING	12

*ITEMS INCLUDED IN SEAL KIT # 269-00150
P-2718B

OUTLET PLATE

500-01625

BOOM REGEN VALVE SUBASSEMBLY



559-00207

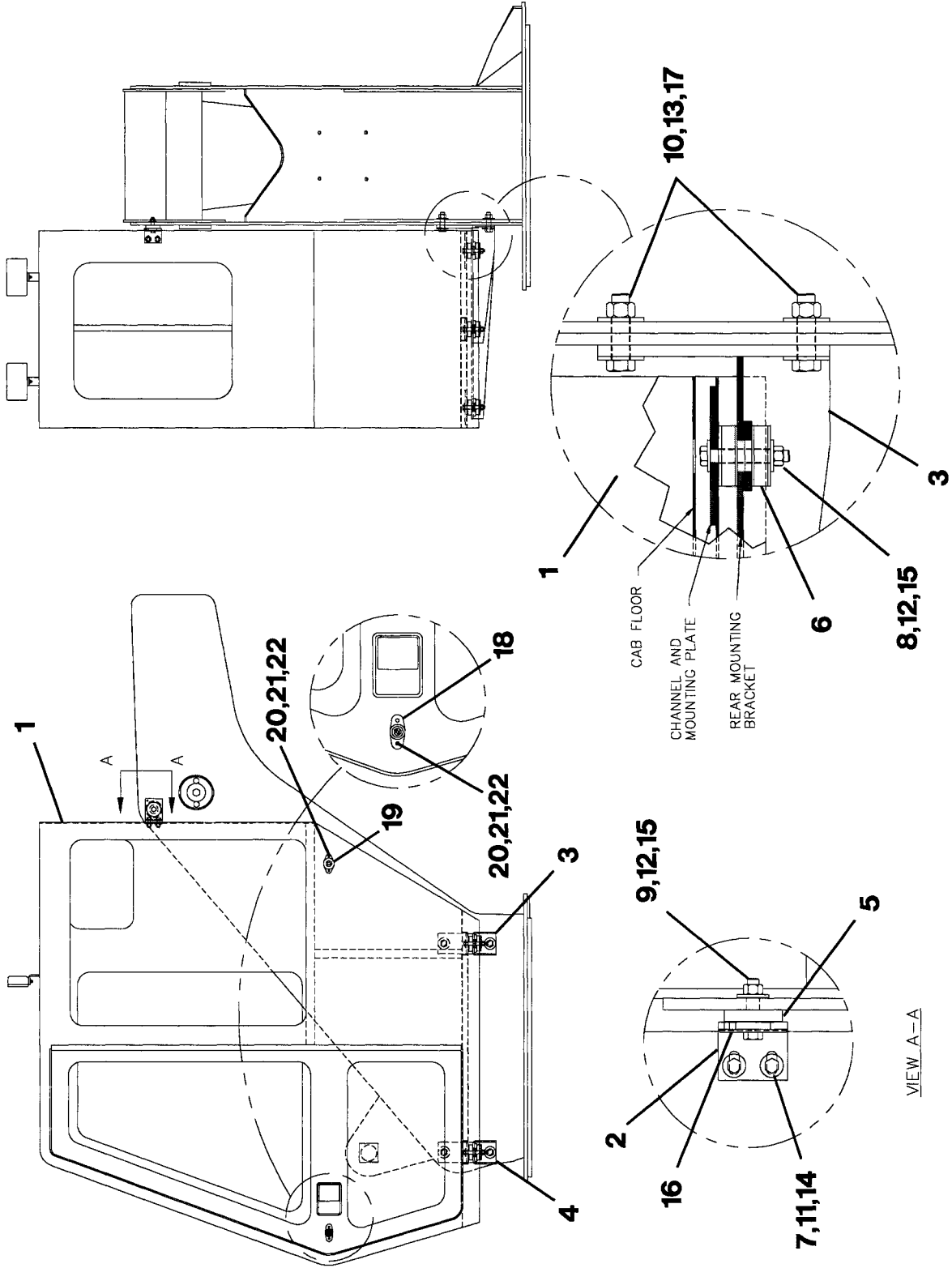
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	559-00209	.BODY - VALVE	1
2	552-00125	.VALVE - CHECK	1
3	552-10262	.VALVE - COUNTERBALANCE, 3000 PSI	1
4	552-10263	.VALVE - SEQUENCING, 2900 PSI	1
5	513-70023	.CONNECTOR - STRAIGHT	4
6	514-52005	.ELBOW - 90°	1

P-2717

559-00207

OPERATOR'S CAB INSTALLATION

2.2



706-00012 / 706-00014

ITEM	PART NUMBER	DESCRIPTION	QTY.
*1	600-92003	.CAB - OPERATOR SUBASSEMBLY (706-00012)	1
**1	600-92004	.CAB - OPERATOR SUBASSEMBLY (706-00014)	1
2	770-02108	.BRACKET - CAB MOUNTING	1
3	770-02049	.BRACKET - CAB MOUNTING REAR	1
4	770-02047	.BRACKET - CAB MOUNTING FRONT	1
5	209-00609	.ISOLATOR	1
6	209-00717	.ISOLATOR - CAB MOUNTING	3
7	220-02003	.BOLT 3/8 x 3/4" LONG	2
8	220-04036	.BOLT 1/2 x 3 1/2" LONG	3
9	220-04052	.BOLT 1/2 x 2 1/4" LONG	1
10	220-07005	.BOLT 3/4 x 2 1/2" LONG	4
11	221-92001	.NUT - TOPLOCK 3/8	2
12	221-94006	.NUT - TOPLOCK 1/2	4
13	221-97002	.NUT - LOCK 3/4	4
14	222-02005	.WASHER - FLAT 3/8	4
15	222-04009	.WASHER - FLAT 1/2	7
16	222-06012	.WASHER - SPECIAL	1
17	222-07003	.WASHER - FLAT 3/4	8
18	600-93096	.PLUNGER - DOOR HOLDER	1
19	600-93097	.SOCKET - DOOR HOLDER	1
20	223-00306	.FSHMS - 5/16NC x 1" LONG	4
21	222-01001	.FLATWASHER - 5/16	4
22	221-91001	.HEXNUT - 5/16 TOPLOCK	4

P-2532

*DUAL WINCH - OPTIONAL

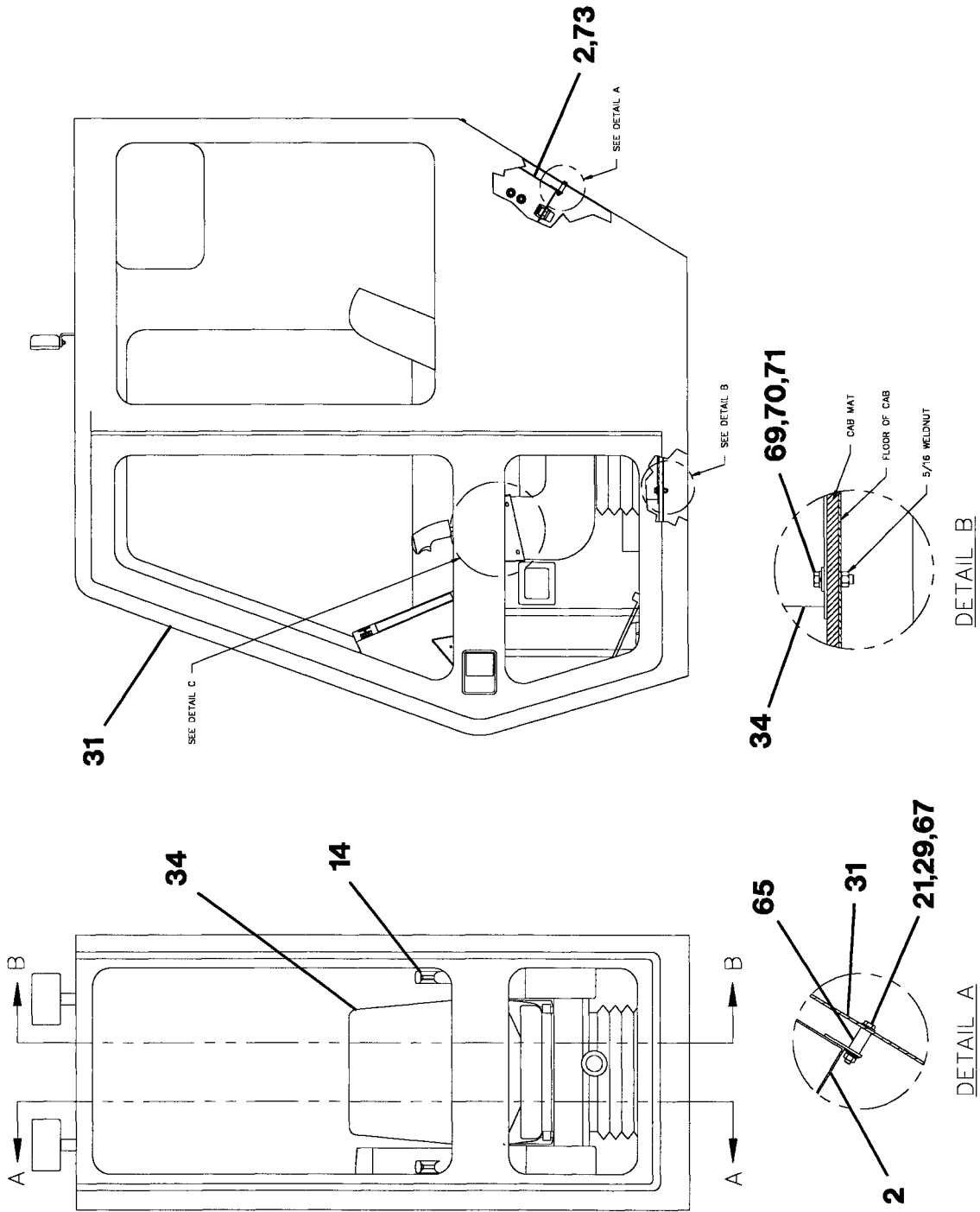
**SINGLE WINCH - STANDARD

706-00012 / 706-00014

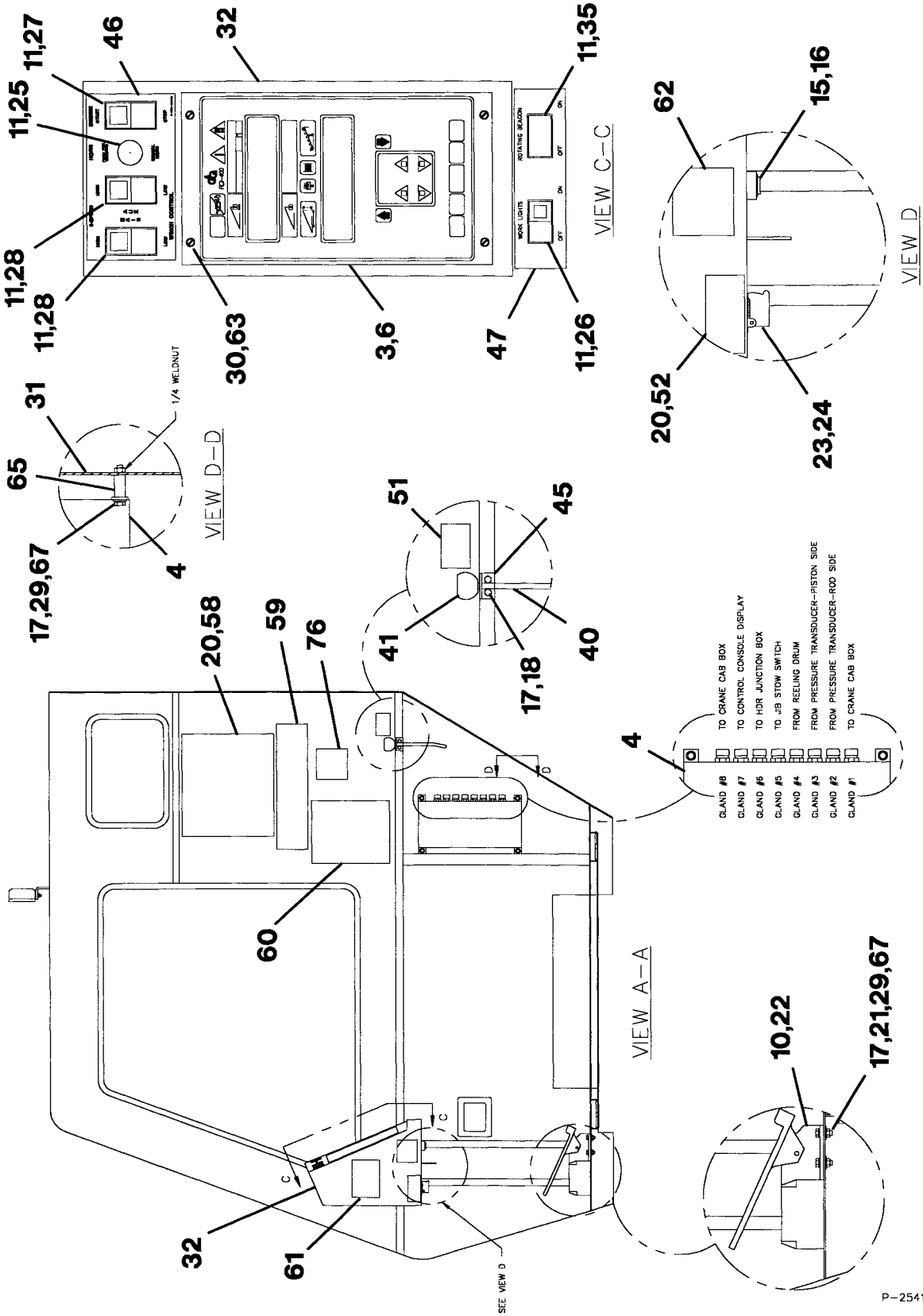
OPERATOR'S CAB - DUAL WINCH

2.2.1

600-92003



OPERATOR'S CAB - DUAL WINCH

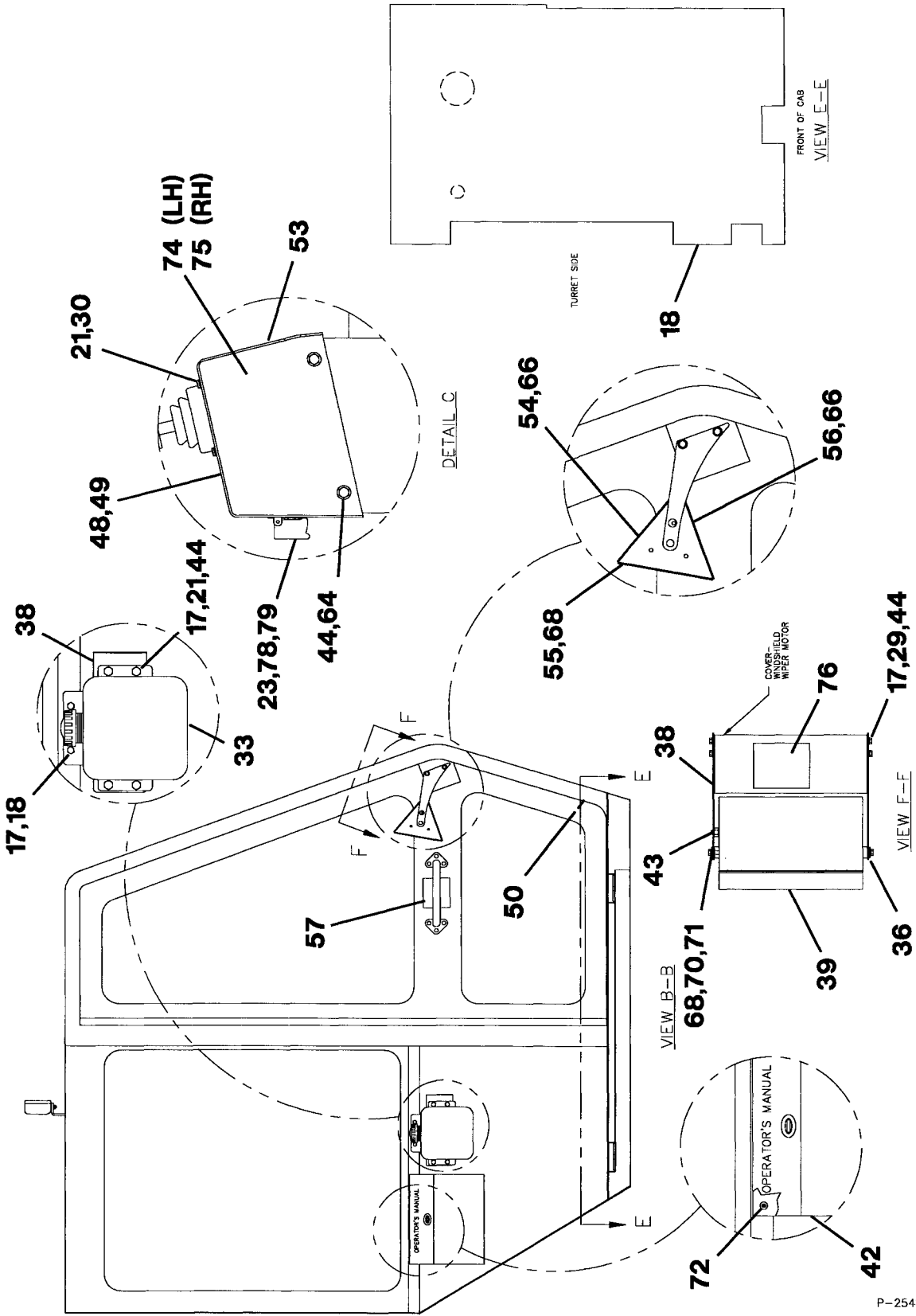


600-92003

P-2541A

OPERATOR'S CAB - DUAL WINCH

2.2.1



600-92003

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-00946	.ELECTRICAL - UPPER INSTALLATION	1
2	400-00932	.ELECTRICAL - CAB BOX SUBASSEMBLY	1
3	400-16053	.SCREEN - LMI DISPLAY	1
4	400-16052	.COMPUTER - UPPER ASSEMBLY	1
*5	400-01914	.CABLE ASSEMBLY - JIB STOW SWITCH	1
*6	400-01863	.CABLE ASSEMBLY - LMI DISPLAY	1
*7	400-01834	.HARNESS - CRANE CONTROLS	1
*8	400-01833	.HARNESS - BOOM ANGLE SWITCHS	1
*9	400-01832	.HARNESS - CRANE CONTROLS, JUMPER	1
*10	400-01831	.HARNESS - CRANE CONTROLS, SEAT	1
*11	400-01830	.HARNESS - CRANE CAB CONTROLS	1
*12	400-01829	.HARNESS - CRANE CAB ACCESS	1
*13	400-01987	.HARNESS - BOOM REGEN VALVE	1
14	400-00885	.CONTROLLER - DUAL AXIS	2
15	400-21003	.HORN - LMI ALARM	1
16	400-21004	.SHUTTER ASSEMBLY - ALARM VOLUME	1
17	222-10005	.WASHER - LOCK 1/4	24
18	600-93092	.MAT - CAB FLOOR	1
19	223-15213	.SCREW - MACHINE 1/4 x 3/4" LONG	4
20	226-00001	.RIVET - POP	10
21	221-90001	.NUT - LOCK 1/4	12
22	400-00886	.FOOT PEDAL - BI-DIRECTIONAL	1
23	400-04032	.GUARD - SWITCH COVER	2
24	400-04034	.SWITCH - TOGGLE	1
25	400-04213	.SWITCH - MOMENTARY	1
26	400-04245	.SWITCH - LIGHTED ROCKER	1
27	400-04246	.SWITCH - MOMENTARY ROCKER	1
28	400-04247	.SWITCH - LIGHTED ROCKER	2
29	222-00006	.WASHER - FLAT 1/4	22
30	222-10006	.WASHER - LOCK #10	8
31	600-32413	.CAB - ENCLOSED	1
32	600-32414	.CONSOLE - CONTROL	1
33	600-93066	.RESERVOIR/PUMP - WINDSHIELD WASHER	1
	520-90013	..MOTOR - PUMP	1
34	600-93083	.SEAT - INTEGRAL JOYSTICK MOUNTS	1
**35	400-04250	.COVER - SWITCH	1
36	770-02191	.BRACKET - PLACARD STAGE MOUNT R/H	1
37	770-02194	.BRACKET - PLACARD STAGE MOUNT L/H	1
38	770-02171	.BRACKET - WASHER BOTTLE MOUNTING	1
39	770-02052	.STAGE - PLACARD WELDMENT	1
40	803-00105	.HANDLE - CONTROL	1
41	808-00028	.KNOB 3/8	1
42	209-00358	.POUCH - MANUAL	1
43	209-00718	.PLUNGER - BAL SPRING	1
44	220-00003	.BOLT 1/4 x 3/4" LONG	18
45	770-02199	.BRACKET - MANUAL CONTROL HANDLE	1
46	650-00730	.PLACARD - CONTROL PANEL	1
47	650-00734	.PLACARD - AUXILIARY CONTROLS	1
48	650-00743	.PLACARD - JOYSTICK CONTROL L/H	1
49	650-00744	.PLACARD - JOYSTICK CONTROL R/H	1
50	650-00745	.PLACARD - BOOM EXTEND/RETRACT	1
51	650-00750	.PLACARD - MANUAL CONTROL HANDLE	1

600-92003

ITEM	PART NUMBER	DESCRIPTION	QTY.
52	652-00367	.PLACARD - OUTRIGGER OVERRIDE	1
53	652-00372	.PLACARD - OEM CONTROL ADJUSTMENT	2
54	654-00520	.PLACARD - MAX LOAD CHART-MAX O/R SPREAD	1
55	654-00521	.PLACARD - MAX LOAD CHART-MIN O/R SPREAD	1
56	654-00522	.PLACARD - MAX LOAD CHART-JIB DEDUCTION	1
57	651-00315	.PLACARD - EMERGENCY EXIT	1
58	652-00111	.PLACARD - OPERATING INSTRUCTIONS	1
59	652-00358	.PLACARD - ROPE & REAVING CHART	1
60	652-00114	.PLACARD - STANDARD HAND SIGNALS	1
61	651-00270	.PLACARD - DANGER 2-BLOCK	1
62	651-00314	.PLACARD - RIDE TRUCK CAB	1
63	223-00106	.SCREW - MACHINE #10 x 3/4" LONG	4
64	221-80041	.NUT - SPRING 1/4	8
65	032-50005	.SPACER - TUBE 1/2 x 1" LONG	8
66	226-00019	.RIVET - POP 1/8	12
67	220-00006	.BOLT 1/4 x 1 3/4" LONG	12
68	223-03209	.SCREW - MACHINE 5/16 x 1" LONG	2
69	220-01006	.BOLT 5/16 x 1 1/2" LONG	4
70	222-11002	.WASHER - LOCK 5/16	6
71	222-01001	.WASHER - FLAT 5/16	6
72	209-00361	.FASTENER - 1/4 x 3/4 QUICK-HIT	2
73	400-00978	.MODIFICATION - DUAL WINCH ELECTRICAL BOX	1
74	770-02237	.BRACKET - JOYSTICK MOUNT WELDMENT (LH)	1
75	770-02238	.BRACKET - JOYSTICK MOUNT WELDMENT (RH)	1
76	651-00628	.PLACARD - STABILITY	2
77	400-01998	.WIRE ASSEMBLY - JUMPER	1
78	650-00758	.PLACARD - BOOM REGEN	1
79	400-04016	.SWITCH - ON/OFF	1

P-2541

*ITEM NOT SHOWN

**UNLESS EQIPPED WITH OPTIONAL STROBE LIGHT. SEE 2.4

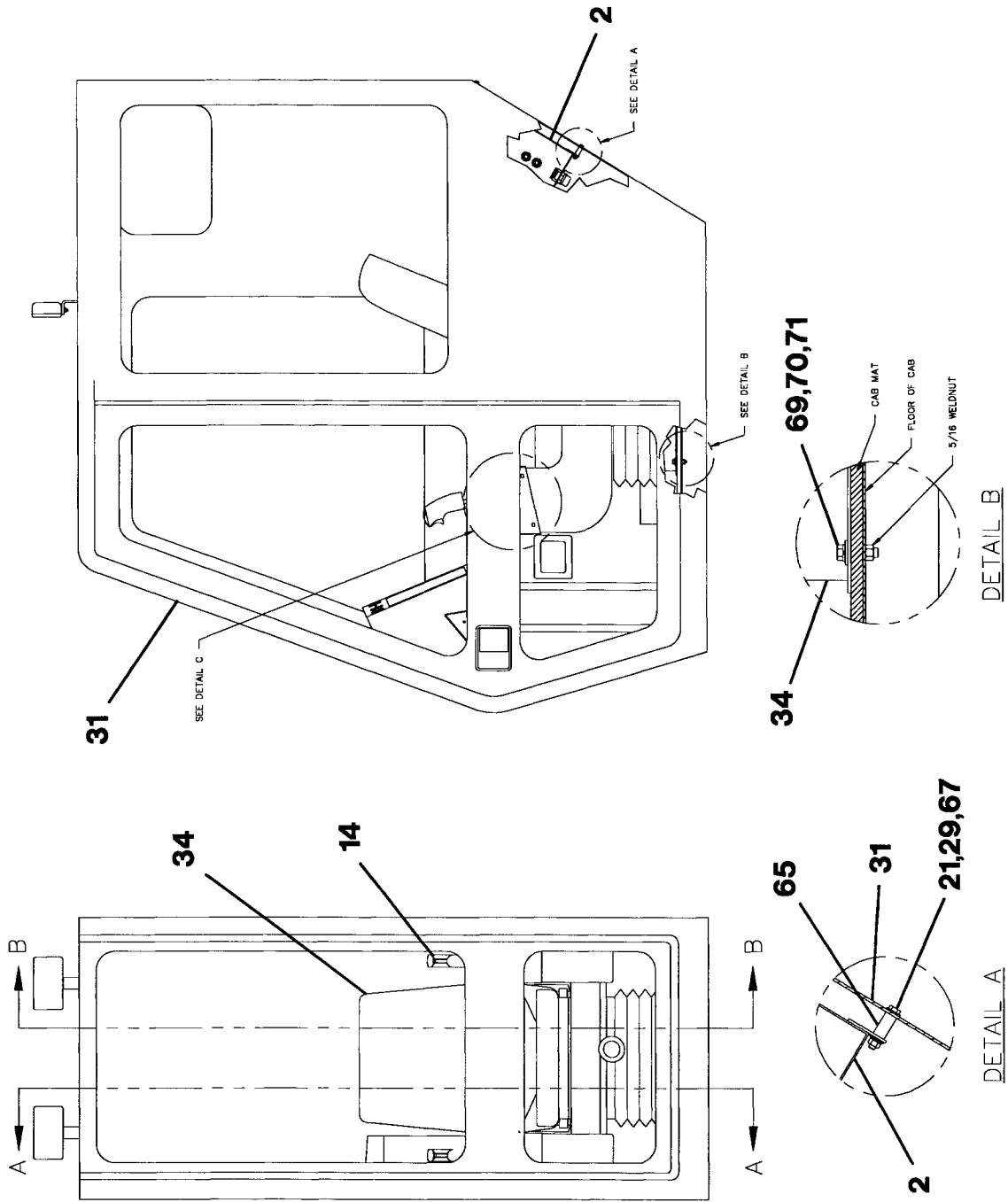
OPERATOR'S CAB - DUAL WINCH

600-92003

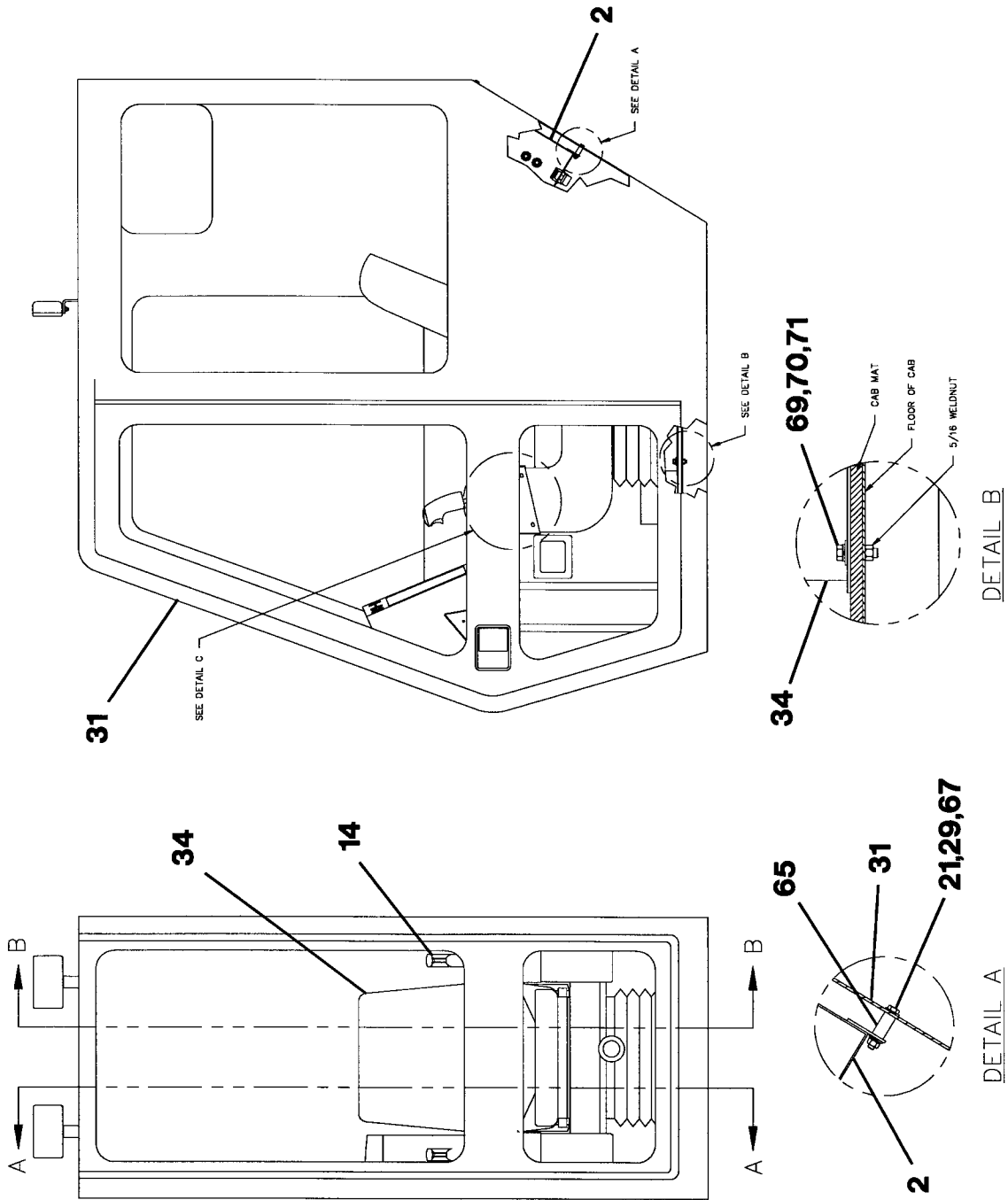
OPERATOR'S CAB - SINGLE WINCH

2.2.1

600-92004



OPERATOR'S CAB - SINGLE WINCH

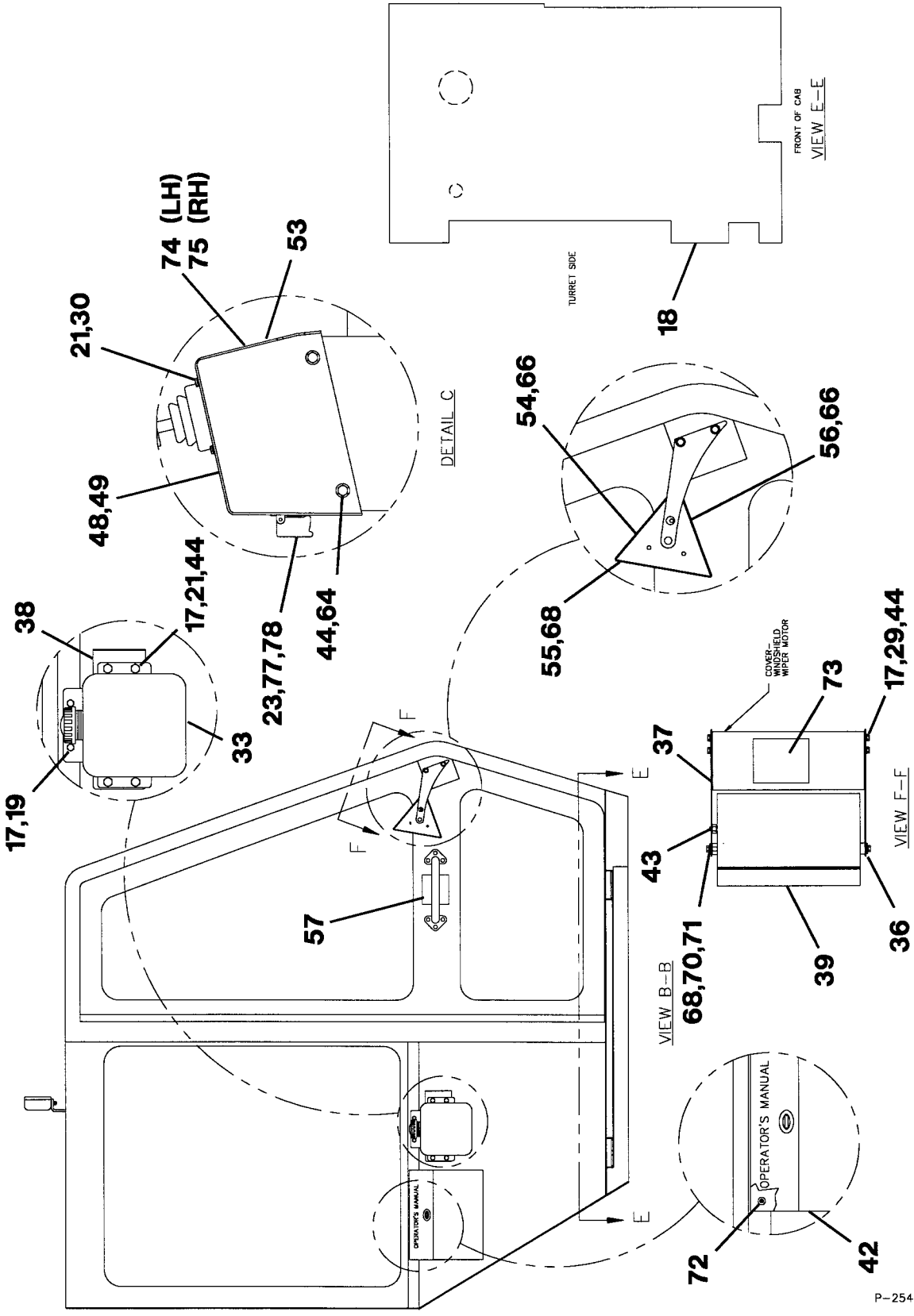


P-2543

600-92004

OPERATOR'S CAB - SINGLE WINCH

2.2.1



600-92004

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-00946	.ELECTRICAL - UPPER INSTALLATION	1
2	400-00932	.ELECTRICAL - CAB BOX SUBASSEMBLY	1
3	400-16053	.SCREEN - LMI DISPLAY	1
4	400-16052	.COMPUTER - UPPER ASSEMBLY	1
*5	400-01914	.CABLE ASSEMBLY - JIB STOW SWITCH	1
*6	400-01863	.CABLE ASSEMBLY - LMI DISPLAY	1
*7	400-01834	.HARNESS - CRANE CONTROLS	1
*8	400-01833	.HARNESS - BOOM ANGLE SWITCHS	1
*9	400-01832	.HARNESS - CRANE CONTROLS, JUMPER	1
*10	400-01831	.HARNESS - CRANE CONTROLS, SEAT	1
*11	400-01830	.HARNESS - CRANE CAB CONTROLS	1
*12	400-01829	.HARNESS - CRANE CAB ACCESS	1
*13	400-01987	.HARNESS - BOOM REGEN VALVE	1
14	400-00885	.CONTROLLER - DUAL AXIS	2
15	400-21003	.HORN - LMI ALARM	1
16	400-21004	.SHUTTER ASSEMBLY - ALARM VOLUME	1
17	222-10005	.WASHER - LOCK 1/4	20
18	600-93092	.MAT - CAB FLOOR	1
19	223-15213	.SCREW - MACHINE 1/4 x 3/4" LONG	4
20	226-00001	.RIVET - POP	10
21	221-90001	.NUT - LOCK 1/4	8
22	400-04248	.COVER - SWITCH BLANK	1
23	400-04032	.GUARD - SWITCH COVER	1
24	400-04034	.SWITCH - TOGGLE	1
25	400-04213	.SWITCH - MOMENTARY	1
26	400-04245	.SWITCH - LIGHTED ROCKER	2
27	400-04246	.SWITCH - MOMENTARY ROCKER	1
28	400-04247	.SWITCH - LIGHTED ROCKER	1
29	222-00006	.WASHER - FLAT 1/4	18
30	222-10006	.WASHER - LOCK #10	8
31	600-32413	.CAB - ENCLOSED	1
32	600-32414	.CONSOLE - CONTROL	1
33	600-93066	.RESERVOIR/PUMP - WINDSHIELD WASHER	1
	520-90013	..MOTOR - PUMP	1
34	600-93083	.SEAT - INTEGRAL JOYSTICK MOUNTS	1
**35	400-04250	.COVER - SWITCH	1
36	770-02191	.BRACKET - PLACARD STAGE MOUNT R/H	1
37	770-02194	.BRACKET - PLACARD STAGE MOUNT L/H	1
38	770-02171	.BRACKET - WASHER BOTTLE MOUNTING	1
39	770-02052	.STAGE - PLACARD WELDMENT	1
40	803-00105	.HANDLE - CONTROL	1
41	808-00028	.KNOB 3/8	1
42	209-00358	.POUCH - MANUAL	1
43	209-00718	.PLUNGER - BAL SPRING	1
44	220-00003	.BOLT 1/4 x 3/4" LONG	18
45	770-02199	.BRACKET - MANUAL CONTROL HANDLE	1
46	650-00730	.PLACARD - CONTROL PANEL	1
47	650-00734	.PLACARD - AUXILIARY CONTROLS	1
48	650-00731	.PLACARD - JOYSTICK CONTROL L/H	1
49	650-00732	.PLACARD - JOYSTICK CONTROL R/H	1
*50	400-02257	.TERMINAL - SPADE LOCKING	2
51	650-00750	.PLACARD - MANUAL CONTROL HANDLE	1

600-92004

ITEM	PART NUMBER	DESCRIPTION	QTY.
52	652-00367	.PLACARD - OUTRIGGER OVERRIDE	1
53	652-00372	.PLACARD - OEM CONTROL ADJUSTMENT	2
54	654-00520	.PLACARD - MAX LOAD CHART-MAX O/R SPREAD	1
55	654-00521	.PLACARD - MAX LOAD CHART-MIN O/R SPREAD	1
56	654-00522	.PLACARD - MAX LOAD CHART-JIB DEDUCTION	1
57	651-00315	.PLACARD - EMERGENCY EXIT	1
58	652-00111	.PLACARD - OPERATING INSTRUCTIONS	1
59	652-00358	.PLACARD - ROPE & REAVING CHART	1
60	652-00114	.PLACARD - STANDARD HAND SIGNALS	1
61	651-00270	.PLACARD - DANGER 2-BLOCK	1
62	651-00314	.PLACARD - RIDE TRUCK CAB	1
63	223-00106	.SCREW - MACHINE #10 x 3/4" LONG	4
64	221-80041	.NUT - SPRING 1/4	8
65	032-40011	.SPACER - TUBE 3/8 x 1" LONG	8
66	226-00019	.RIVET - POP 1/8	12
67	220-00006	.BOLT 1/4 x 1 3/4" LONG	8
68	223-03209	.SCREW - MACHINE 5/16 x 1" LONG	2
69	220-01006	.BOLT 5/16 x 1 1/2" LONG	4
70	222-11002	.WASHER - LOCK 5/16	6
71	222-01001	.WASHER - FLAT 5/16	6
72	209-00361	.FASTENER - 1/4 x 3/4 QUICK-HIT	2
73	651-00628	.PLACARD - STABILITY	2
74	770-02237	.BRACKET WELD - JOYSTICK MOUNT (LH)	1
75	770-02238	.BRACKET WELD - JOYSTICK MOUNT (RH)	2
*76	400-01998	.WIRE ASSEMBLY - JUMPER	1
77	650-00758	.PLACARD - BOOM REGEN	1
78	400-04016	.SWITCH - ON/OFF	1

P-2543

*ITEM NOT SHOWN

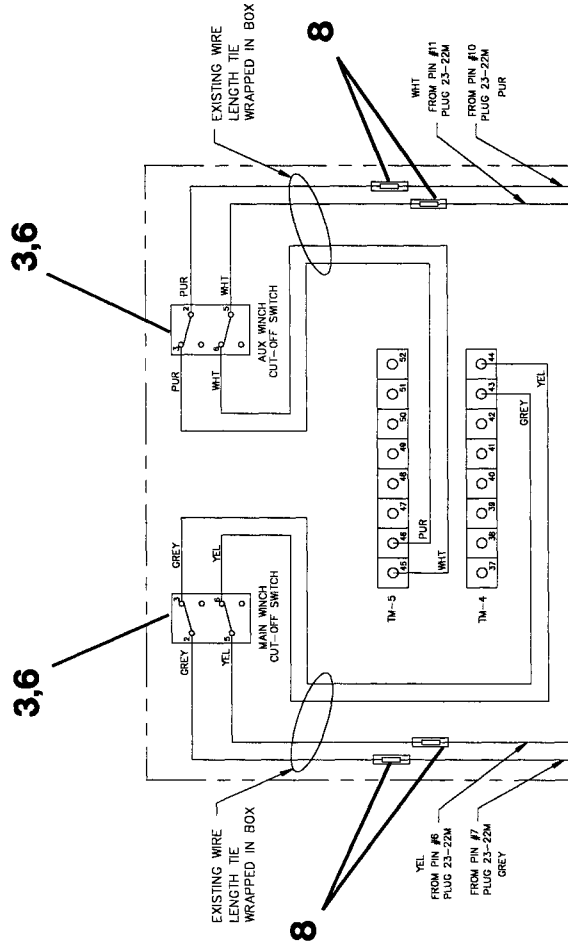
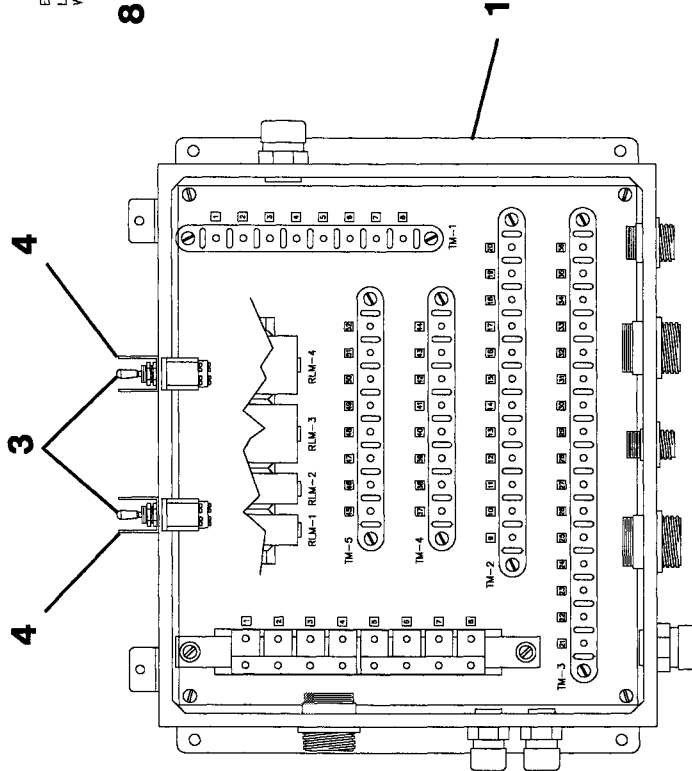
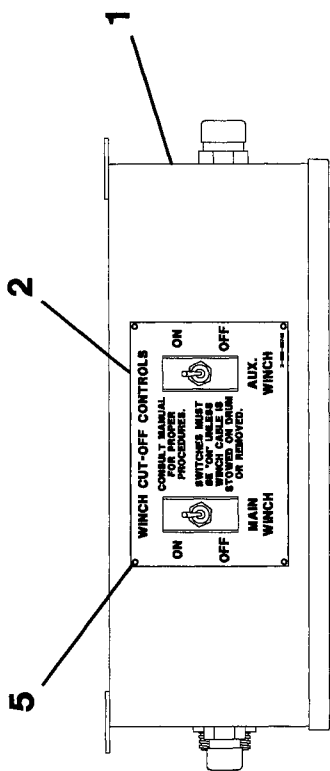
**UNLESS EQUIPPED WITH OPTIONAL CAB BEACON; SEE 2.4

OPERATOR'S CAB - SINGLE WINCH

600-92004

CONTROL BOX MODIFICATION

2.2.1.1



DETAIL-A
WIRING MODIFICATION

TOP VIEW -- COVER REMOVED

400-00978

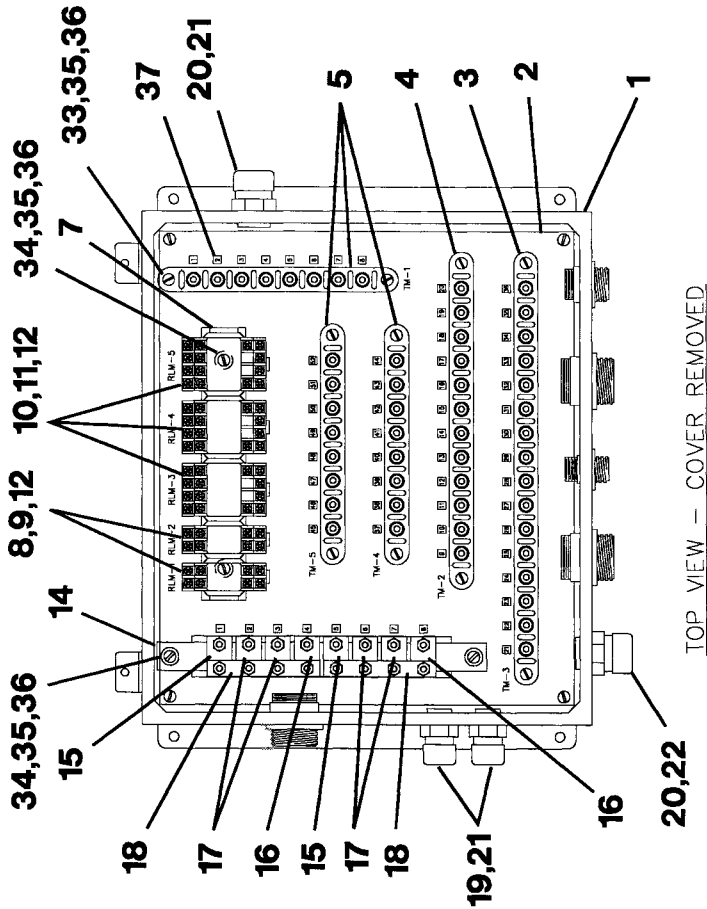
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1	400-00932	.BOX - ELECTRICAL CAB CONTROL	1
2	650-00748	.PLACARD - WINCH CONTROL CUTOFF	1
3	400-04038	.SWITCH - TOGGLE	2
4	400-04024	.PROTECTOR - SWITCH	2
5	226-00001	.RIVET - POP .104	4
6	400-18032	.TERMINAL RING #10	8
7	400-15086	.CABLE TIE	8
8	400-02202	.CONNECTOR - BUTT	4

P-2538

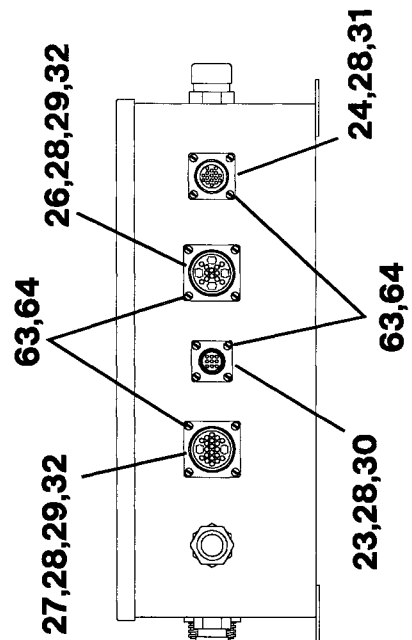
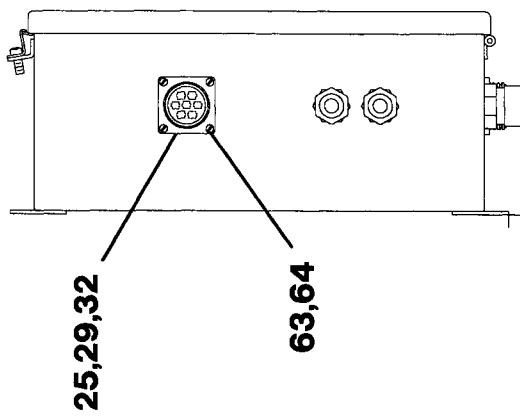
400-00978

CONTROL BOX - CRANE CAB

2.2.1.2



TOP VIEW - COVER REMOVED



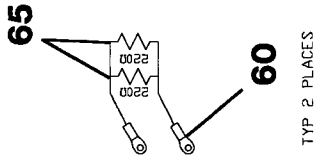
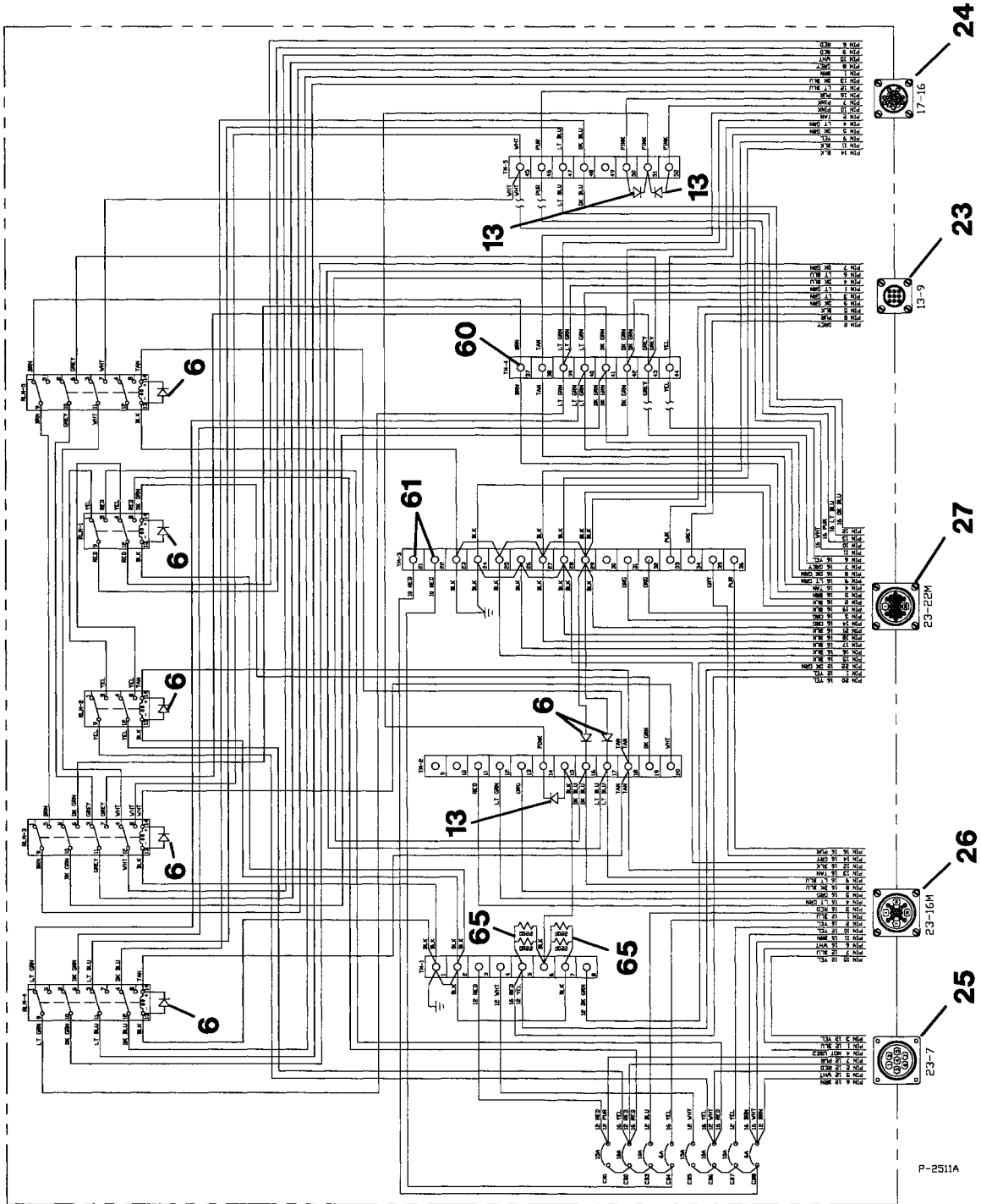
400-00932

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-05379	.BOX - ELECTRICAL MODIFICATION-CRANE CAB	1
2	400-05376	.PANEL - ELECTRICAL MODIFICATION-CRANE CAB	1
3	400-03048	.STRIP - TERMINAL-16 POST	1
4	400-03058	.STRIP - TERMINAL-12 POST	1
5	400-03062	.STRIP - TERMINAL-8 POST	3
6	400-23300	.RECTIFIER	7
7	652-00366	.RAIL — RELAY MOUNTING-7"	1
8	400-05206	.RELAY 2PDT 12VDC	2
9	400-05150	.RELAY - BASE 2PDT	3
10	400-05360	.RELAY 4PDT 12VDC	3
11	400-05274	.RELAY - BASE 4PDT	2
12	400-05116	.CLIP - RELAY RETAINER	8
13	400-23046	.DIODE	3
14	400-10052	.BRACKET - CIRCUIT BREAKER-8 POSITION	1
15	400-10049	.BREAKER - CIRCUIT-15 AMP	2
16	400-10051	.BREAKER - CIRCUIT-6 AMP	2
17	400-10048	.BREAKER - CIRCUIT-10 AMP	4
18	400-01288	.BAR - BUSS CIRCUIT BREAKER-5	2
19	400-15084	.RELIEF - STRAIN 1/2 HUB	2
20	400-15048	.RELIEF - STRAIN 3/4 HUB	2
21	400-15054	.NUT - PANEL 1/2	2
22	400-15103	.NUT - PANEL 3/4	2
23	400-23160	.RECEPTACLE - CPC FLANGE MOUNT 13-9	1
24	400-23075	.RECEPTACLE - CPC FLANGE MOUNT 17-16	1
25	400-23245	.RECEPTACLE - CPC FLANGE MOUNT 23-7	1
26	400-23333	.RECEPTACLE - CPC FLANGE MOUNT 23-16M	1
27	400-23334	.RECEPTACLE - CPC FLANGE MOUNT 23-22M	1
28	400-23124	.PIN - MALE CPC MULTIMATE	57
29	400-23154	.PIN - MALE CPC TYPE XII	13
30	400-23160	.SEAL - PERIPHERAL SHELL SIZE 13	1
31	400-23176	.SEAL - PERIPHERAL SHELL SIZE 17	1
32	400-23056	.SEAL - PERIPHERAL SHELL SIZE 23	3
33	223-14106	.SCREW - PAN HEAD MACHINE #10 x 3/4" LONG	10
34	223-14121	.SCREW - PAN HEAD MACHINE #10 x 3/8" LONG	4
35	222-00007	.WASHER - FLAT #10	14
36	222-10006	.WASHER - LOCK #10	14
37	654-00163	.TAPE - IDENTIFICATION	1
*38	400-01401	.WIRE - FLAME RETARDANT 10 GA.-RED	A/R
*39	400-01382	.WIRE - FLAME RETARDANT 12 GA.-BROWN	A/R
*40	400-01387	.WIRE - FLAME RETARDANT 12 GA.-WHITE	A/R
*41	400-01384	.WIRE - FLAME RETARDANT 12 GA.-RED	A/R
*42	400-01397	.WIRE - FLAME RETARDANT 12 GA.-LT. BLUE	A/R
*43	400-01385	.WIRE - FLAME RETARDANT 12 GA.-YELLOW	A/R
*44	400-01388	.WIRE - FLAME RETARDANT 12 GA.-PURPLE	A/R
*45	400-01384	.WIRE - FLAME RETARDANT 12 GA.-DK. GREEN	A/R
*46	400-01378	.WIRE - FLAME RETARDANT 16 GA.-BLACK	A/R
*47	400-01376	.WIRE - FLAME RETARDANT 16 GA.-RED	A/R
*48	400-01600	.WIRE - FLAME RETARDANT 16 GA.-TAN	A/R
*49	400-01374	.WIRE - FLAME RETARDANT 16 GA.-BROWN	A/R
*50	400-01377	.WIRE - FLAME RETARDANT 16 GA.-YELLOW	A/R

400-00932

CONTROL BOX - CRANE CAB

2.2.1.2



400-00932

P-2511A

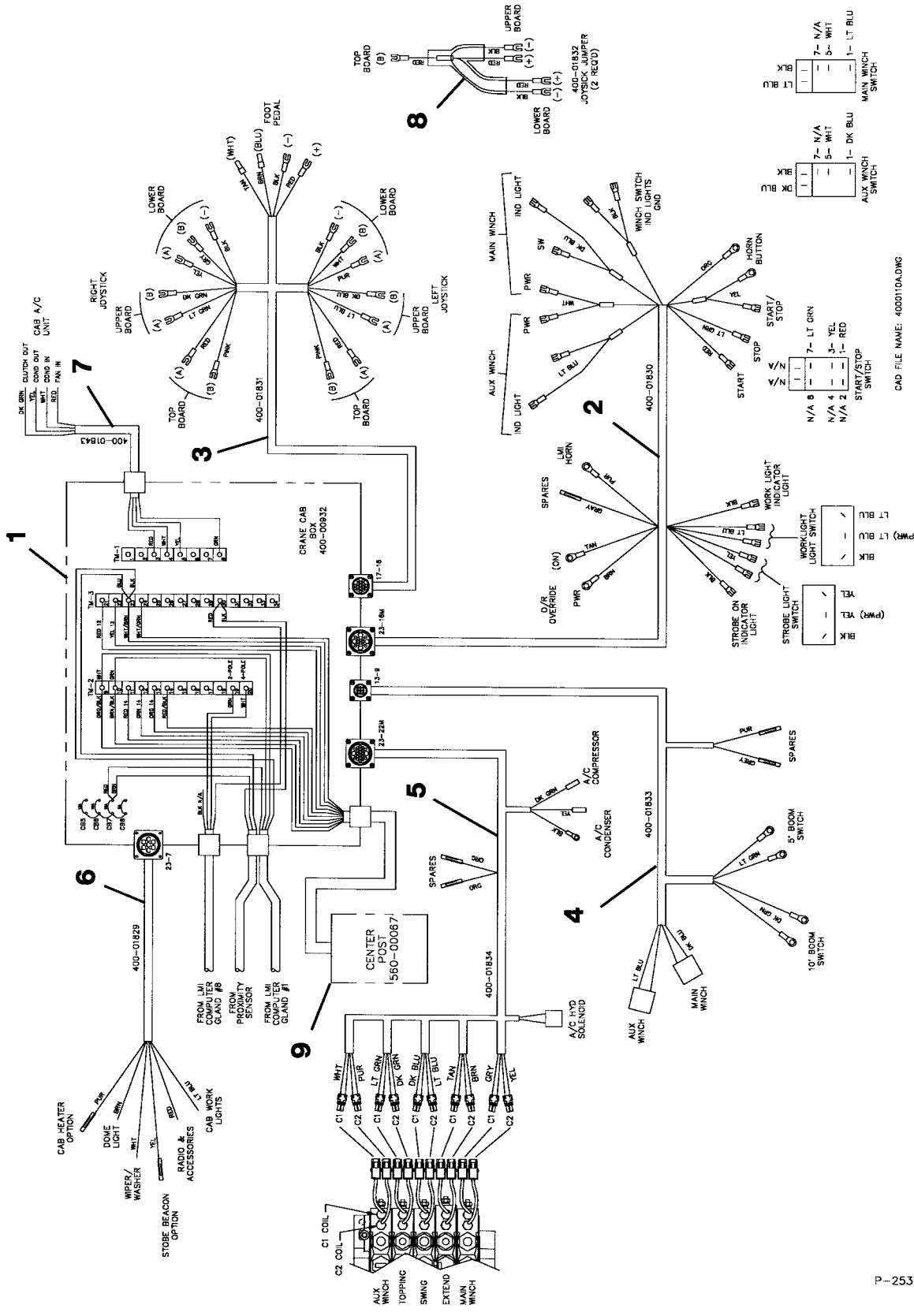
ITEM	PART NUMBER	DESCRIPTION	QTY.
*51	400-01512	.WIRE - FLAME RETARDANT 16 GA.-GREY	A/R
*52	400-01375	.WIRE - FLAME RETARDANT 16 GA.-DK. GREEN	A/R
*53	400-01390	.WIRE - FLAME RETARDANT 16 GA.-LT. GREEN	A/R
*54	400-01404	.WIRE - FLAME RETARDANT 16 GA.-PURPLE	A/R
*55	400-01379	.WIRE - FLAME RETARDANT 16 GA.-WHITE	A/R
*56	400-01389	.WIRE - FLAME RETARDANT 16 GA.-DK. BLUE	A/R
*57	400-01599	.WIRE - FLAME RETARDANT 16 GA.-LT. BLUE	A/R
*58	400-01380	.WIRE - FLAME RETARDANT 16 GA.-ORANGE	A/R
*59	400-01513	.WIRE - FLAME RETARDANT 16 GA.-PINK	A/R
60	400-18032	.RING - TERMINAL #10 14-16 GA.	86
61	400-02221	.RING - TERMINAL #10 10-12 GA.	16
62	400-15086	.TIE - CABLE	A/R
63	223-14125	.SCREW - PHILIPS HEAD MACHINE #5 x 1/2"	20
64	222-10003	.WASHER - LOCK #5	20
65	400-14021	.RESISTOR 220K OHM 1/2 WATT	4

P-2511.D

* ITEM NOT SHOWN

400-00932

WIRING DIAGRAM - UPPER ELECTRICAL



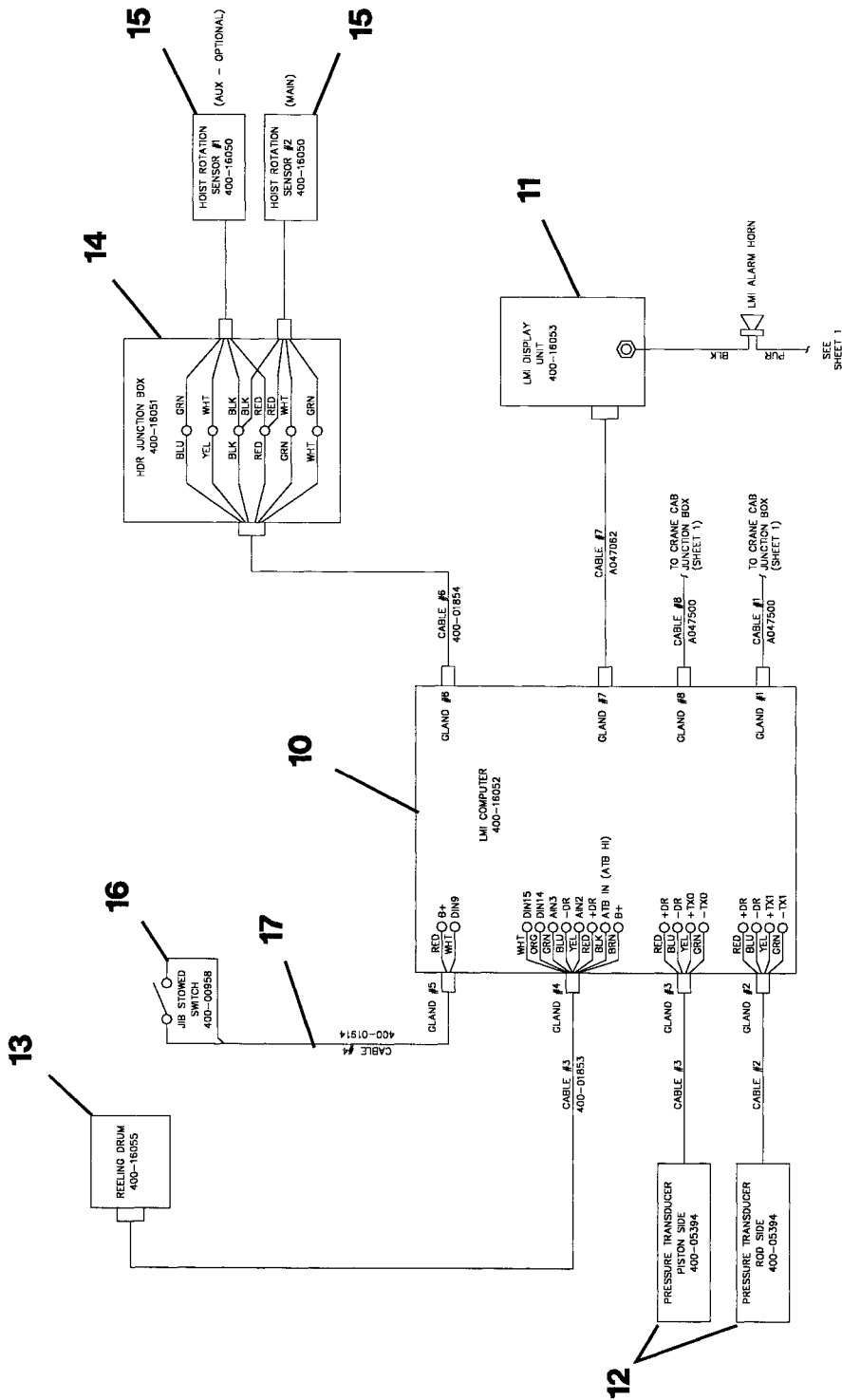
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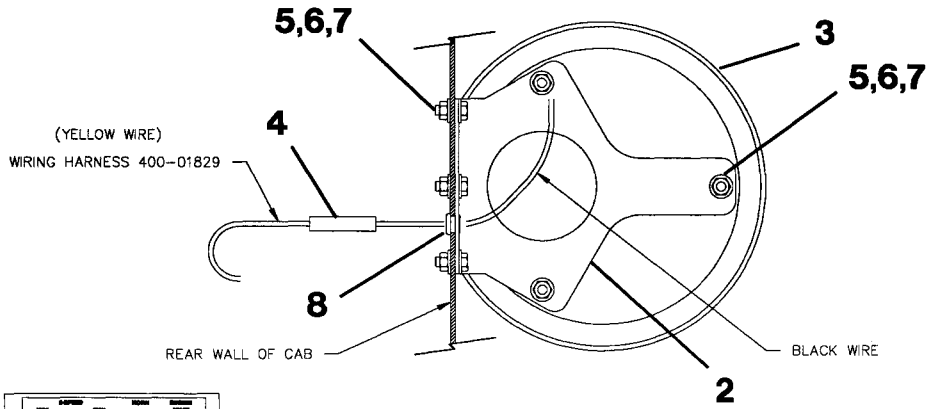
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-00932	.JUNCTION BOX - CRANE CAB	1
2	400-01830	.ELECTRICAL HARNESS - CRANE CAB CONTROLS	1
3	400-01831	.ELECTRICAL HARNESS - CRANE CONTROLS, SEAT	1
4	400-01833	.ELECTRICAL HARNESS - BOOM ANGLE SWITCH	1
5	400-01834	.ELECTRICAL HARNESS - MAIN HARNESS	1
6	400-01829	.ELECTRICAL HARNESS - CRANE CAB ACCESSORY	1
7	400-01843	.ELECTRICAL HARNESS - CAB A/C	1
8	400-01832	.ELECTRICAL HARNESS - JOYSTICK JUMPER	1
9	560-00067	.CENTERPOST ASSEMBLY	1
10	400-16052	.LMI COMPUTER	1
11	400-16053	.DISPLAY - LMI UNIT	1
12	400-05394	.TRANSDUCER - PRESSURE MODIFICATION	2
13	400-16055	.REEL - DRUM	1
14	400-16051	.BOX - HDR JUNCTION	1
15	400-16050	.TRANSMITTER - HDR	2
16	400-00958	.SWITCH - JIB STOW SUBASSEMBLY	1
	400-05189	..SWITCH - LIMIT-ROLLER	1
17	400-01914	.ELECTRICAL HARNESS - JIB STOW	1
	P-2531		

WIRING DIAGRAM - UPPER ELECTRICAL

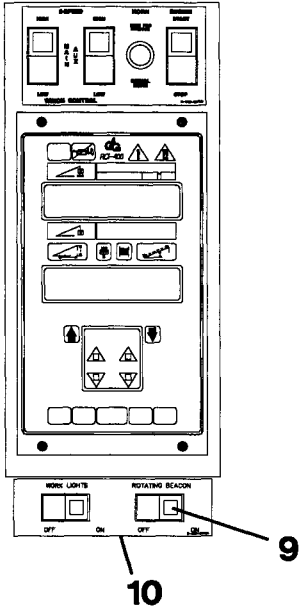
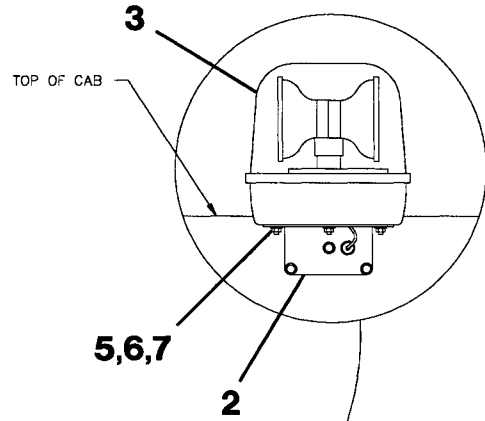
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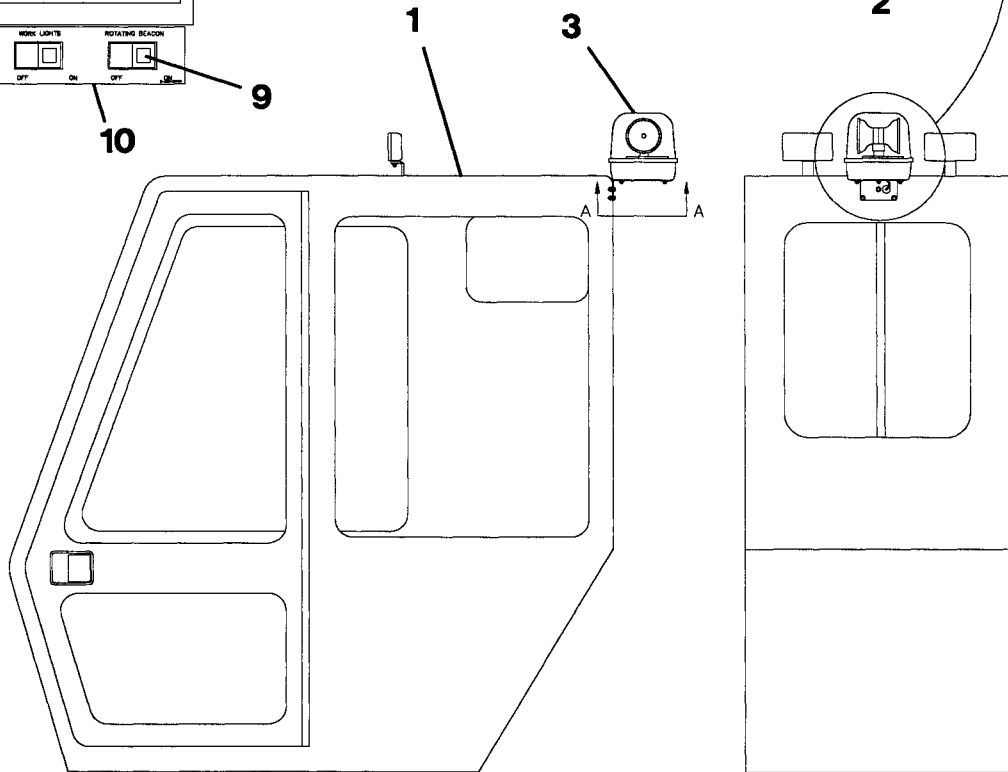
400-00952



VIEW A-A



ROTATING BEACON INSTALLATION



ITEM	PART NUMBER	DESCRIPTION	QTY.
*1	600-92003	.CAB - OPERATOR SUBASSEMBLY (706-00012)	1
**1	600-92004	.CAB - OPERATOR SUBASSEMBLY (706-00014)	1
2	770-02103	.BRACKET - STROBE LIGHT	1
3	400-09343	.LIGHT - ROTATING STROBE	1
4	400-02343	.CONNECTOR - BUTT	1
5	222-00006	.WASHER - FLAT 1/4	9
6	221-90001	.NUT - TOPLOCK 1/4	6
7	220-00003	.BOLT 1/4 x 3/4" LONG	6
8	209-00408	.GROMMET 1/4	1
9	400-04245	.SWITCH - LIGHTED ROLLER	1
10	600-32414	.CONTROL CONSOLE	REF

P-2533

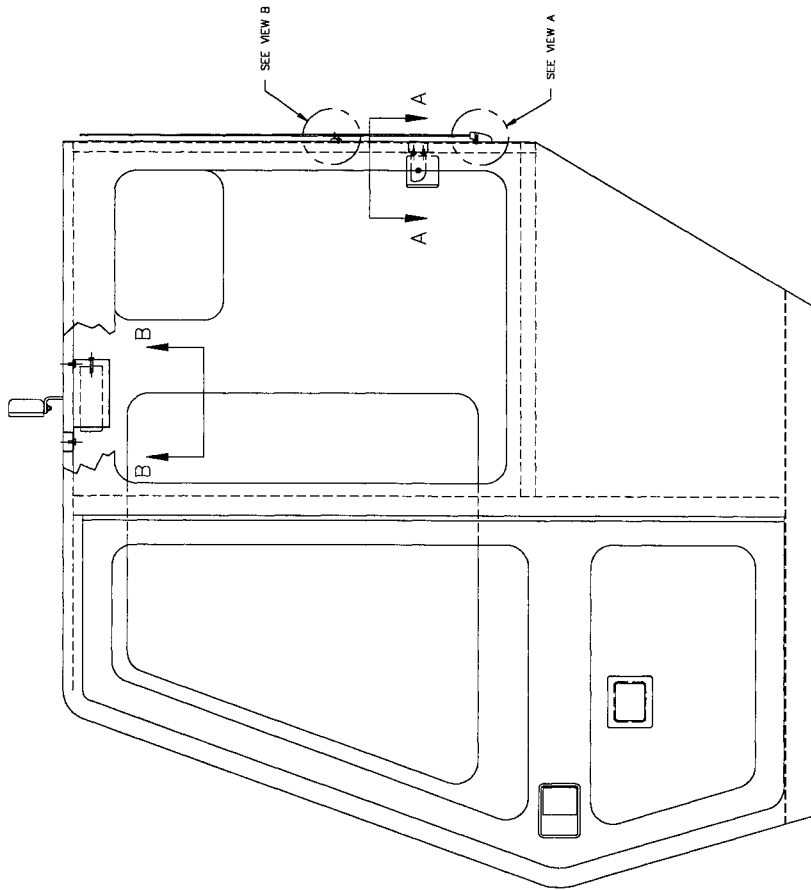
*DUAL WINCH - OPTIONAL

**SINGLE WINCH - STANDARD

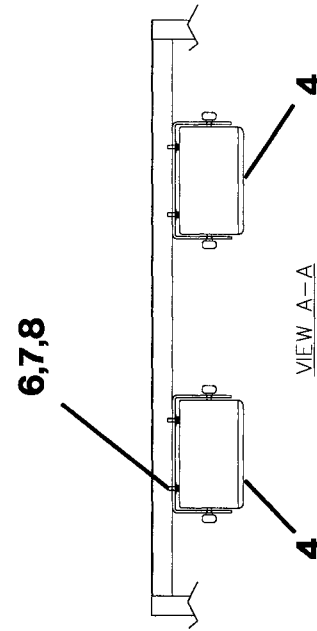
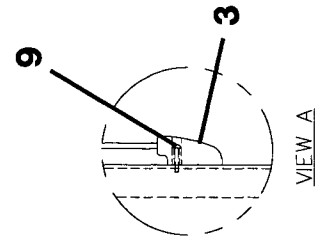
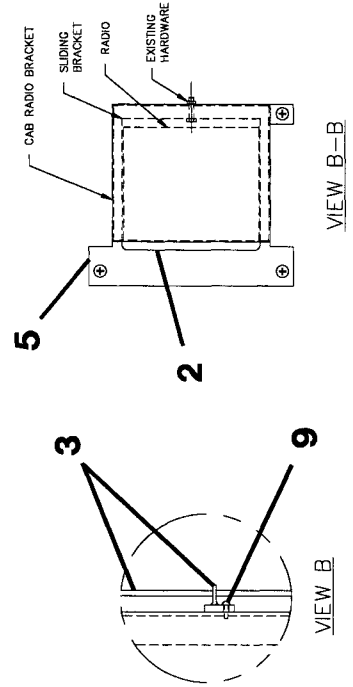
600-95001

CAB RADIO INSTALLATION

2.5



600-95003



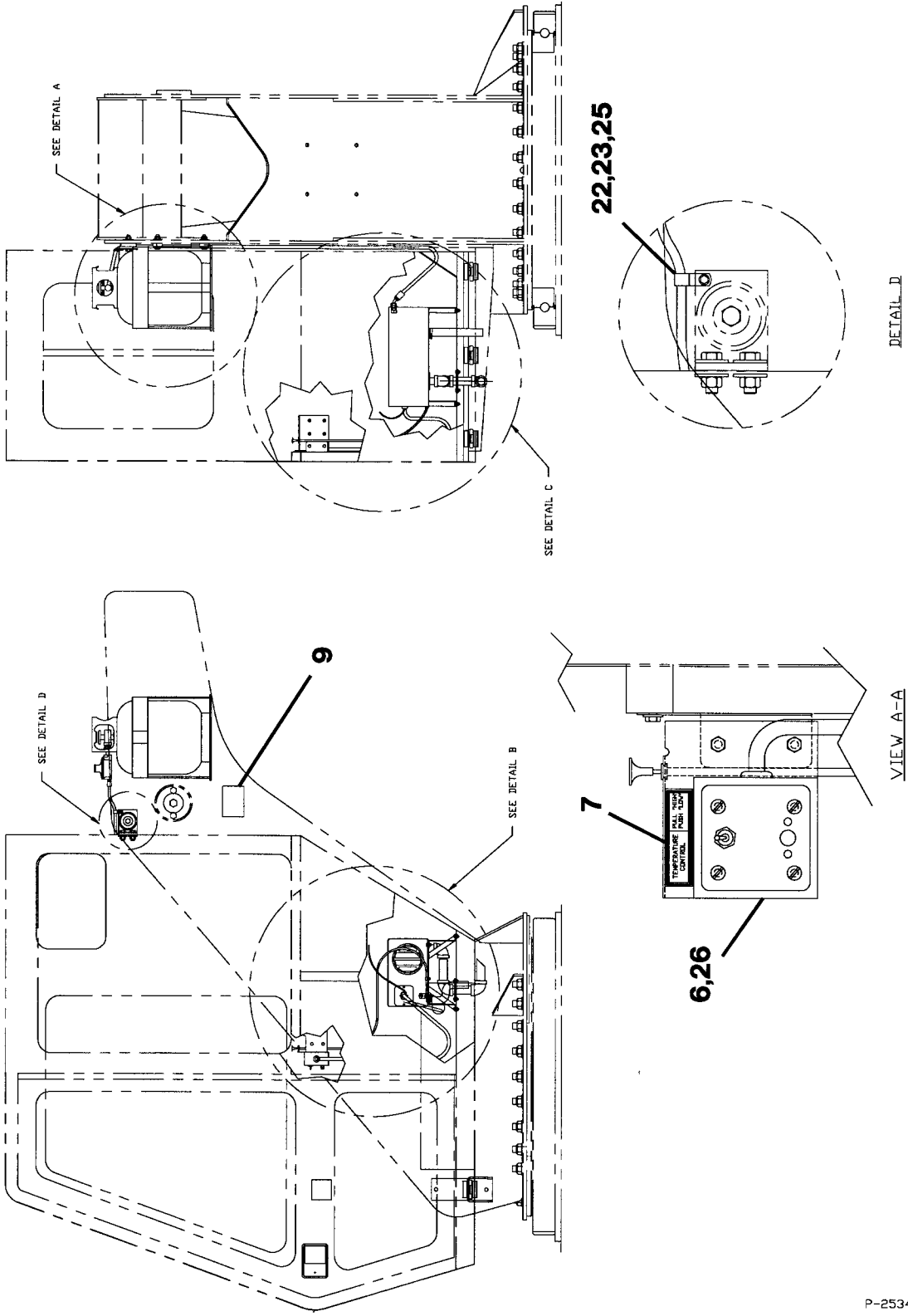
P-2535

ITEM	PART NUMBER	DESCRIPTION	QTY.
*1	600-92003	.CAB - OPERATOR SUBASSEMBLY (706-00012)	1
**1	600-92004	.CAB - OPERATOR SUBASSEMBLY (706-00014)	1
2	600-93084	.RADIO - PULLOUT	1
3	600-93093	.ANTENNA - RADIO	1
4	600-93094	.SPEAKER - SURFACE MOUNT	2
5	770-02181	.BRACKET - RADIO MOUNT	1
6	223-03101	.SCREW - MACHINE #10 x 1/2" LONG	8
7	222-10006	.WASHER - LOCK #10	8
8	222-00007	.WASHER - FLAT #10	8
9	223-14118	.SCREW - SELF TAP #6 x 3/4" LONG	2
	P-2535		
	*DUAL WINCH - OPTIONAL		
	**SINGLE WINCH - STANDARD		

600-95003

CAB HEATER INSTALLATION

2.6



600-95002

ITEM	PART NUMBER	DESCRIPTION	QTY.
*1	600-92003	.CAB - OPERATOR SUBASSEMBLY (706-00012)	1
**1	600-92004	.CAB - OPERATOR SUBASSEMBLY (706-00014)	1
2	600-93078	.HEATER - CAB	1
3	770-02176	.BRACKET - HEATER MOUNTING WELDMENT	1
4	802-01527	.BRACKET - PROPANE TANK WELDMENT	1
5	802-01524	.BOTTLE - PROPANE	1
6	785-01758	.BRACKET - HEATER CONTROLS	1
7	650-00753	.PLACARD - TEMPERATURE CONTROL	1
8	651-00311	.PLACARD - DANGER HOT	1
9	651-00310	.PLACARD - DANGER PROPANE	1
10	600-12046	.HOSE - FLEXIBLE DEFROSTER	1.5'
11	570-35002	.ELBOW - 90°	3
12	570-05044	.NIPPLE - 1 x 4 1/2" LONG	1
13	570-05042	.NIPPLE - 1 x 4" LONG	2
14	502-20870	.HOSE ASSEMBLY - PROPANE HEATER	1
15	223-04012	.SCREW - MACHINE #10 x 1 3/4" LONG	3
16	222-04001	.WASHER - FLAT 1/2	8
17	222-00007	.WASHER - FLAT #10	3
18	221-94002	.NUT - TOPLOCK 1/2	4
19	221-90005	.NUT - TOPLOCK #10	3
20	220-04001	.BOLT 1/2 x 2" LONG	4
21	201-00180	.CLAMP - HOSE	1
22	201-00145	.CLAMP 11/16	1
23	220-00003	.BOLT 1/4 x 3/4" LONG	11
24	221-90001	.NUT - TOPLOCK 1/4	10
25	222-00006	.WASHER - FLAT 1/4	21
26	600-93101	.CONTROL - HEATER REMOTE	1

P-2534

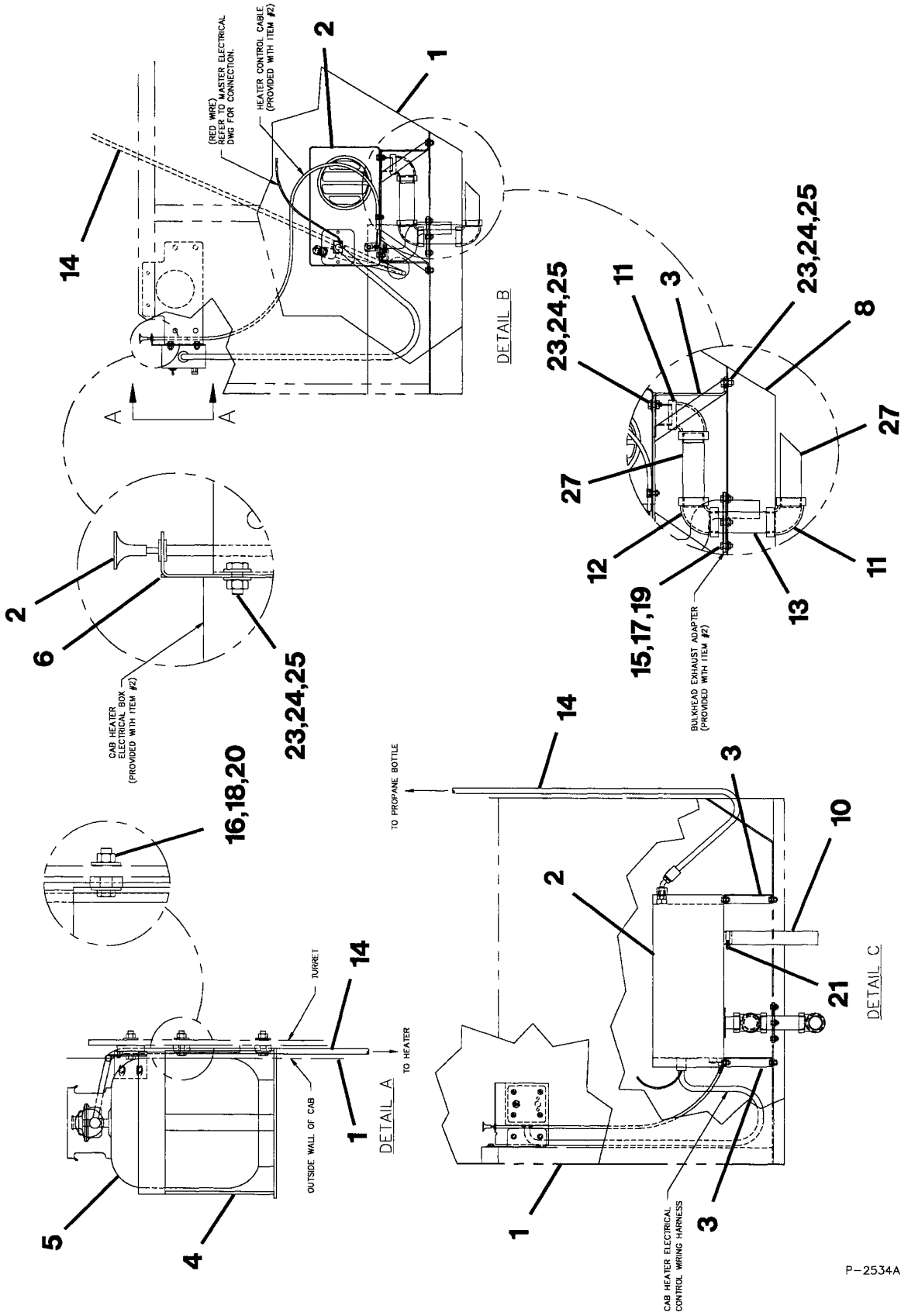
*DUAL WINCH - OPTIONAL

**SINGLE WINCH - STANDARD

600-95002

CAB HEATER INSTALLATION

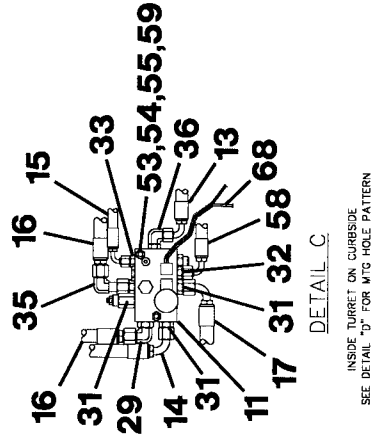
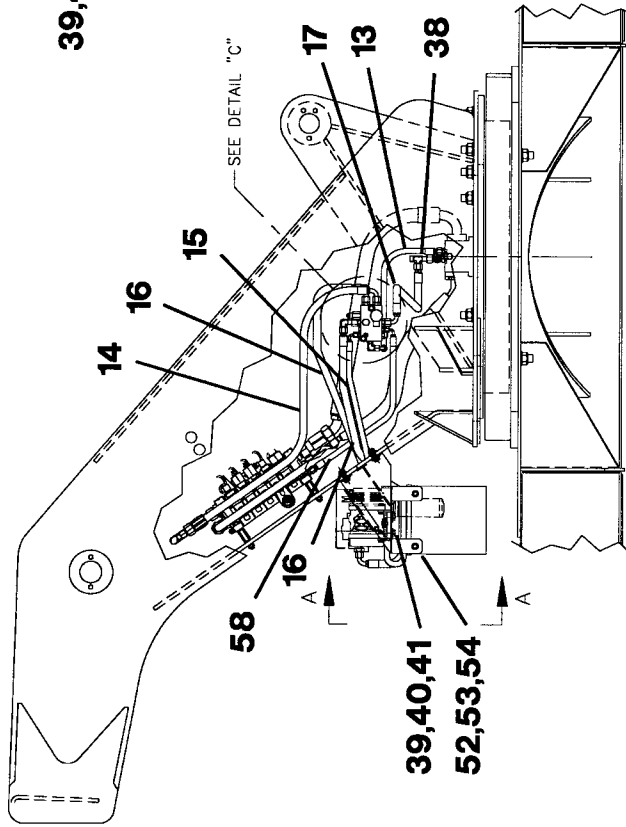
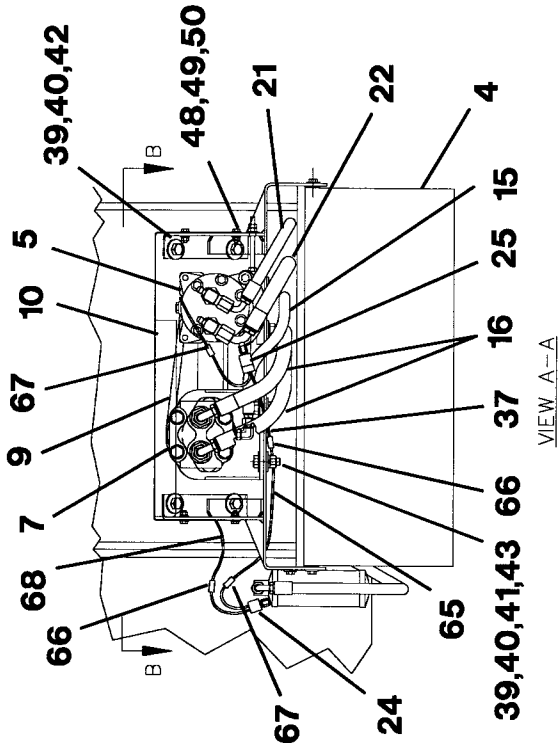
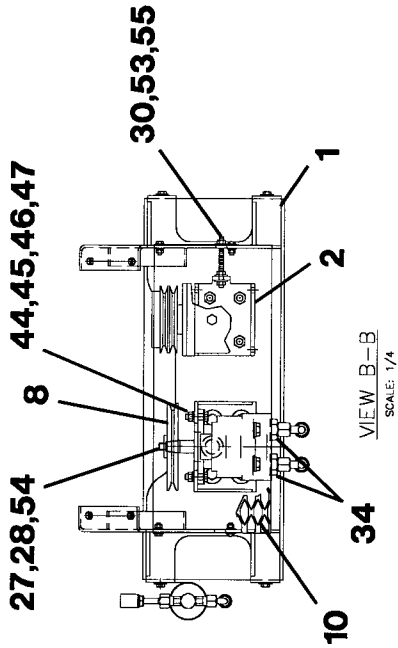
2.6



600-95002

P-2534A

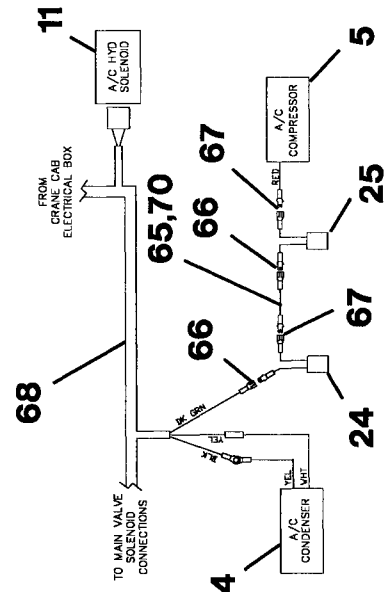
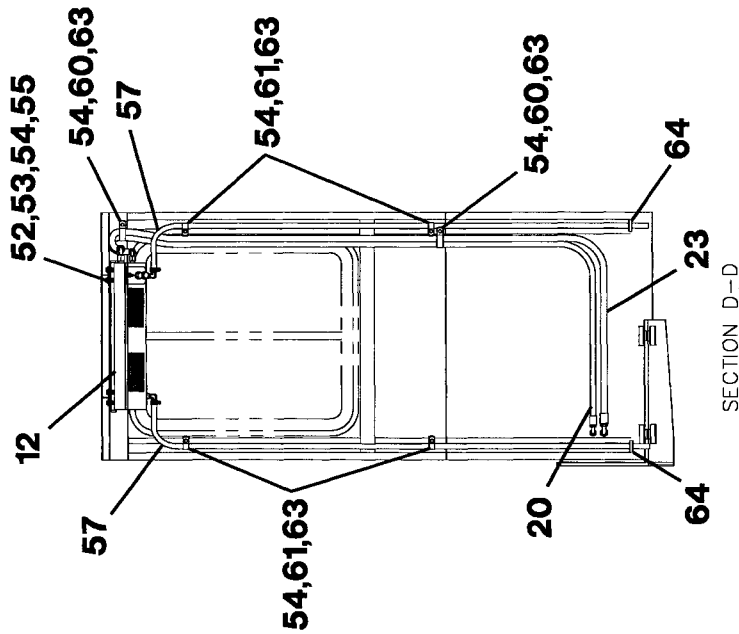
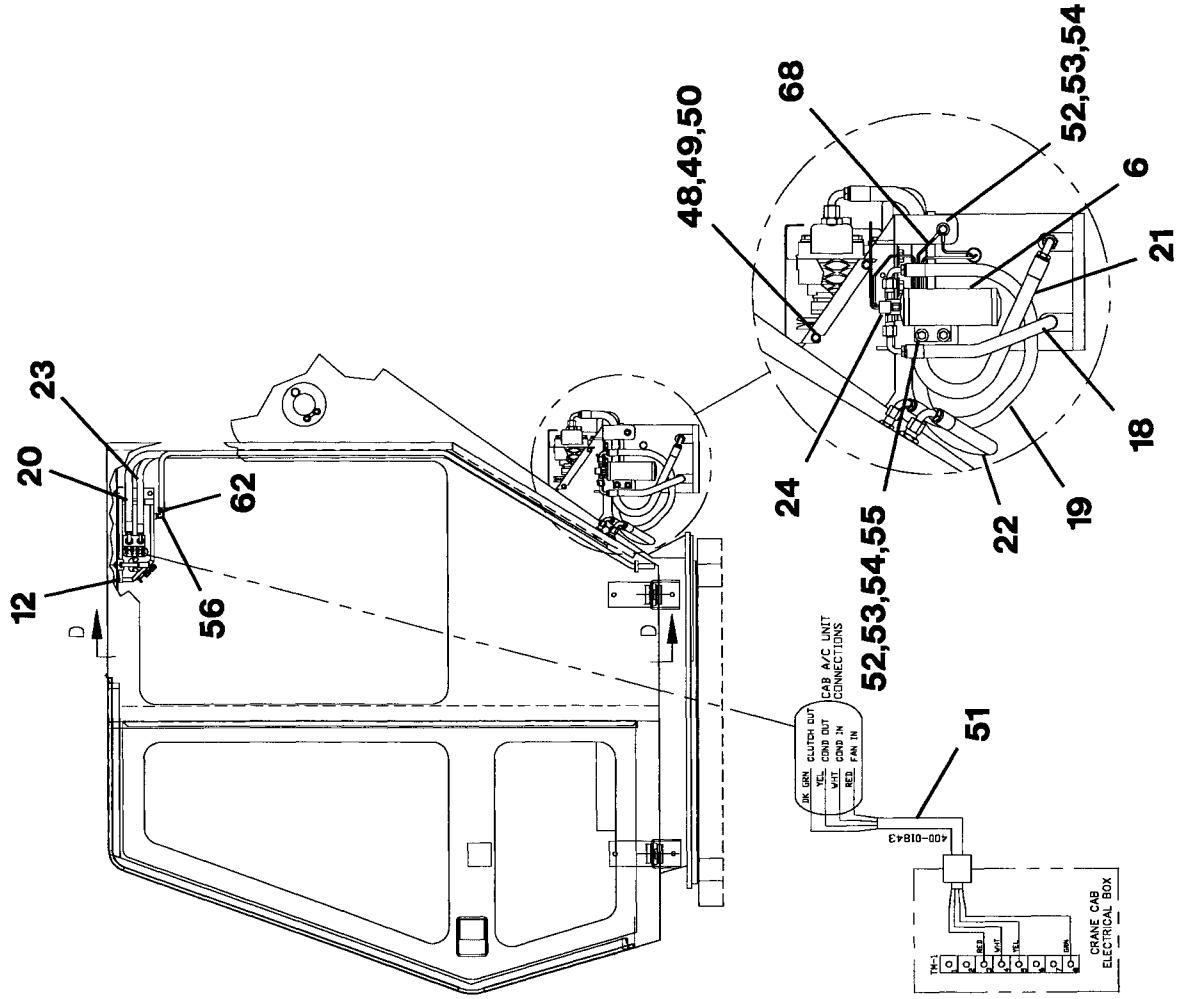
CAB AIR CONDITIONER INSTALLATION



INSIDE TURRET ON CURBSIDE
SEE DETAIL "D" FOR MTC HOLE PATTERN

500-01652

CAB AIR CONDITIONER INSTALLATION



P-2514A

500-01652

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	770-02127	.BRACKET - A/C MOUNTING WELDMENT	1
2	771-00196	.BRACKET - COMPRESSOR MOUNTING WELDMENT	1
3	770-02126	.BRACKET - A/C MOTOR WELDMENT	1
4	600-93080	.CONDENSER ASSEMBLY	1
5	600-93081	.COMPRESSOR ASSEMBLY	1
6	600-93082	.RECEIVER/DRYER ASSEMBLY	1
7	530-20139	.MOTOR - A/C COMPRESSOR DRIVE	1
8	335-03010	.PULLEY - DRIVE COMPRESSOR	1
9	335-06017	.V-BELT - A/C DRIVE	1
10	802-01523	.GUARD - A/C BELT WELDMENT	1
11	559-00197	.VALVE - A/C HYDRAULIC MOTOR CONTROL ASSEMBLY	1
	551-10126	..COIL - SOLENOID	1
12	600-93079	.A/C - CAB UNIT	1
13	502-20869	.HOSE ASSEMBLY - A/C VALVE L.S.	1
14	502-30574	.HOSE ASSEMBLY - A/C VALVE SUPPLY	1
15	502-11179	.HOSE ASSEMBLY - A/C MOTOR CASE DRAIN	1
16	502-30575	.HOSE ASSEMBLY - A/C MOTOR SUPPLY/RETURN	2
17	502-30639	.HOSE ASSEMBLY - DRAIN CENTERPOST	1
18	502-20880	.HOSE ASSEMBLY - A/C DRYER	1
19	502-20881	.HOSE ASSEMBLY - A/C CONDENSER	1
20	502-20882	.HOSE ASSEMBLY - A/C EVAPORATOR	1
21	502-30649	.HOSE ASSEMBLY - A/C CONDENSER	1
22	502-35051	.HOSE ASSEMBLY - A/C CONDENSER	1
23	502-35052	.HOSE ASSEMBLY - A/C EVAPORATOR	1
24	400-04310	.SWITCH - PRESSURE CUTOUT-HI	1
25	400-04311	.SWITCH - PRESSURE CUTOUT-LO	1
26	400-01843	.HARNESS ASSEMBLY - CRANE CAB A/C	1
27	222-50077	.WASHER - A/C PULLEY	1
28	220-31009	.SCREW - HEX 5/16 x 1 1/2" LONG	1
29	514-55011	.ELBOW - 90°	1
30	229-01009	.STUD 5/16 x 4 1/4:" LONG	1
31	513-50023	.CONNECTOR	3
32	513-40017	.CONNECTOR	1
33	513-20017	.CONNECTOR	1
34	513-50028	.CONNECTOR	2
35	514-67004	.ELBOW - 90°	1
36	514-54004	.ELBOW - 90°	1
37	514-52003	.ELBOW - 90°	1
38	516-85004	.TEE - SWIVEL NUT RUN	1
39	220-04005	.BOLT 1/2 x 1 1/2" LONG	12
40	222-04001	.WASHER - FLAT 1/2	20
41	222-14003	.WASHER - LOCK 1/2	8
42	221-94002	.NUT - TOP LOCK 1/2	4
43	221-04001	.NUT - HEX 1/2	4
44	220-02002	.BOLT 3/8 x 1 1/4" LONG	2
45	222-02005	.WASHER - FLAT 3/8	4
46	222-12001	.WASHER - LOCK 3/8	2
47	221-02001	.NUT - HEX 3/8	2
48	220-00003	.BOLT 1/4 x 3/4" LONG	4
49	222-00006	.WASHER - FLAT 1/4	4
50	222-10005	.WASHER - LOCK 1/4	4
51	400-01843	.HARNESS - CAB A/C CABLE	1

500-01652

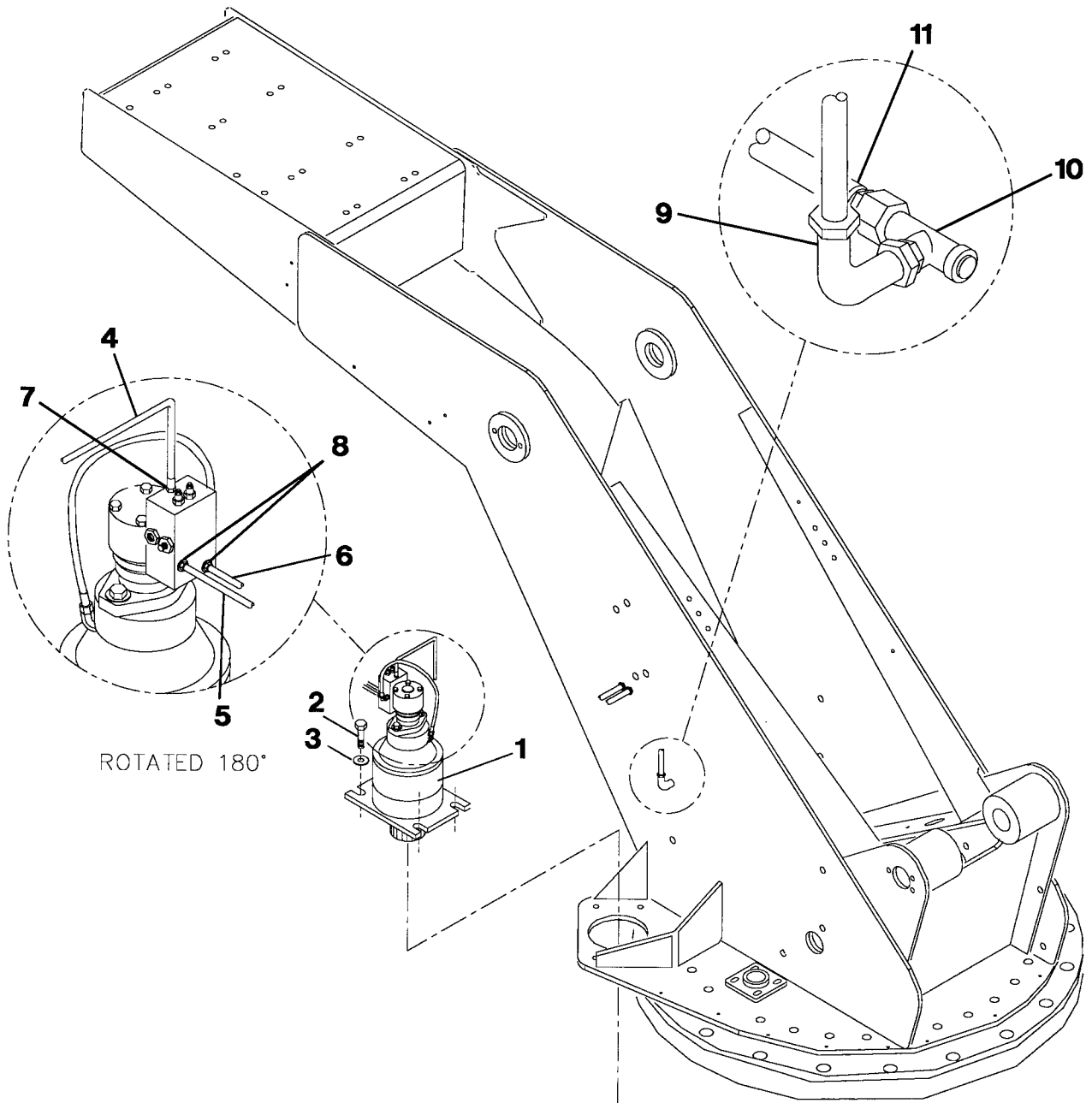
CAB AIR CONDITIONER INSTALLATION

ITEM	PART NUMBER	DESCRIPTION	QTY.
52	220-01005	.BOLT 5/16 x 1" LONG	1
53	222-01001	.WASHER - FLAT 5/16	7
54	222-11002	.WASHER - LOCK 5/16	28
55	221-01001	.NUT - HEX 5/16	10
56	570-90082	.ELBOW - 90°	2
57	036-10026	.TUBE - CLEAR	14'
58	502-20866	.HOSE ASSEMBLY - MAIN VALVE/CENTERPOST	1
59	220-01024	.BOLT 5/16 x 4" LONG	2
60	201-00191	.CLAMP - TUBE	2
61	201-00145	.CLAMP - TUBE	4
62	201-00164	.CLAMP - HOSE	2
63	223-15216	.SCREW - MACHINE 5/16 x 5/8" LONG	6
64	209-00007	.GROMMET	2
65	400-01378	.WIRE - BLACK 16 GA	2'
66	400-23362	.TERMINAL - SPADE	2
67	400-23363	.TERMINAL - SPADE	2
68	400-01834	.CABLE HARNESS - MAIN VALVE	1
69	400-15086	.TIE - CABLE	5
70	400-01412	.LOOM - WIRE	4'

P-2514

CAB AIR CONDITIONER INSTALLATION

SWING GEARBOX INSTALLATION



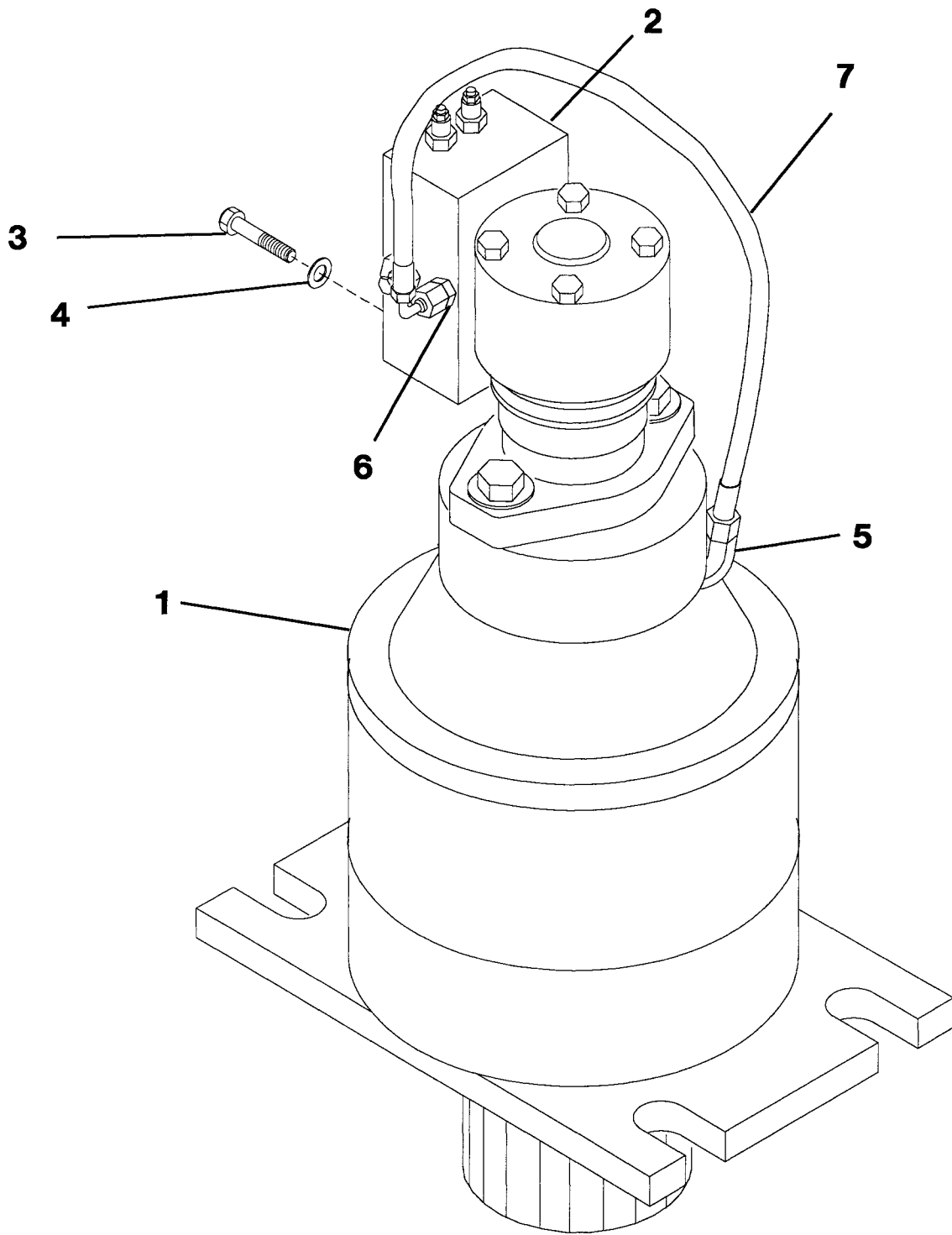
705-00015

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	292-00016	.GEARBOX - ROTATION ASSEMBLY	1
2	220-37002	.BOLT 3/4 x 2" LONG	4
3	222-07003	.WASHER - FLAT 3/4	4
4	510-40409	.TUBE - SWING MOTOR ASSEMBLY	1
5	510-50410	.TUBE - SWING V1/BULKHEAD ASSEMBLY	1
6	510-50411	.TUBE - SWING V2/BULKHEAD ASSEMBLY	1
7	513-40017	.CONNECTOR	1
8	513-50023	.CONNECTOR	2
9	518-40008	.ELBOW - 90° BULKHEAD #8	1
10	516-85007	.TEE - BRANCH #8	1
11	502-30638	.HOSE - WINCH VALVE DRAIN ASSEMBLY	1

P-2502.D

SWING GEARBOX INSTALLATION

705-00015



ROTATION GEARBOX ASSEMBLY

292-00016

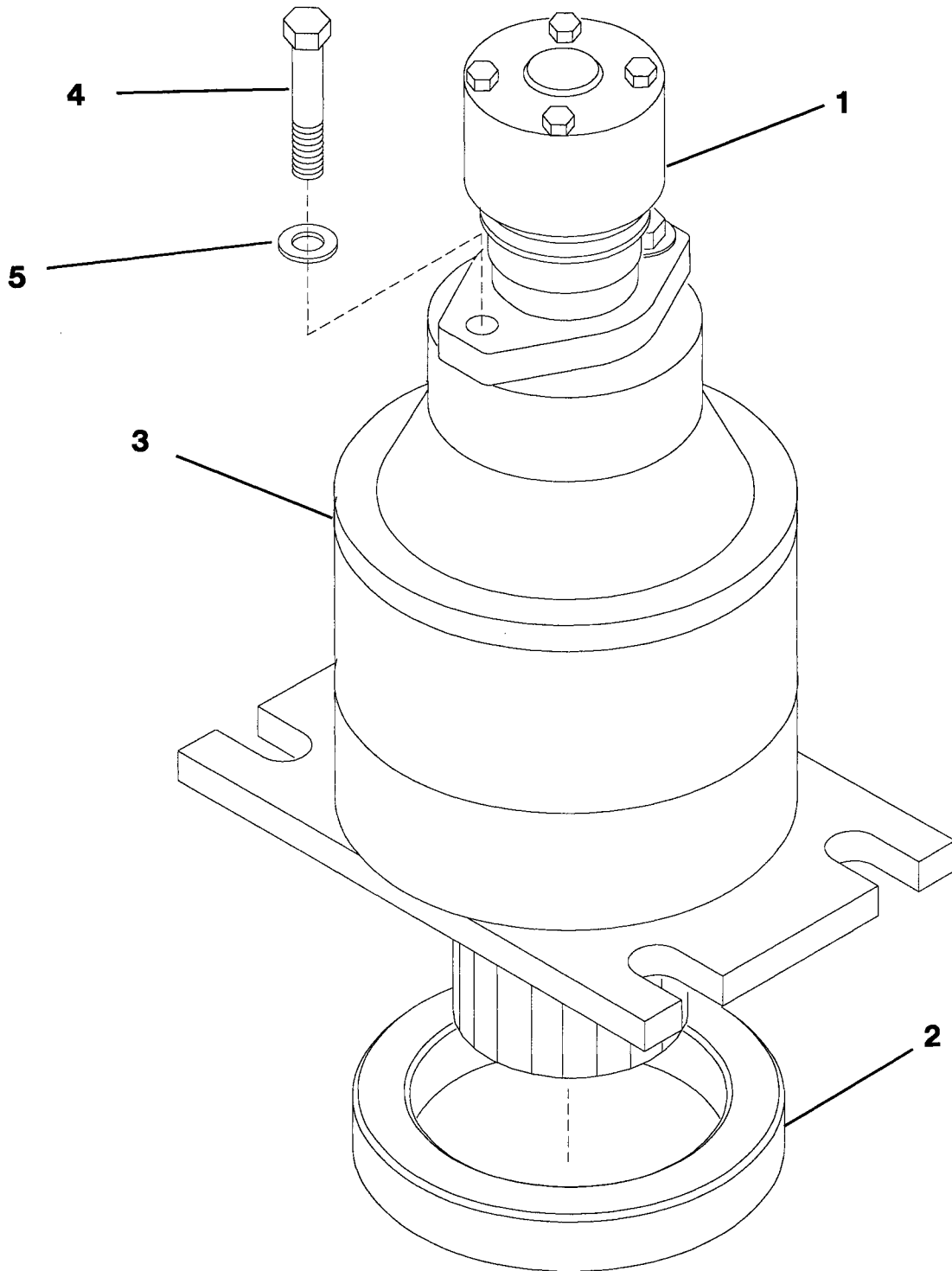
2.10.1

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	292-00020	.GEARBOX - ROTATION SUBASSEMBLY	1
2	552-00063	.VALVE - SWING	1
3	220-01011	.BOLT 5/16 x 3 1/2" LONG	4
4	222-01001	.WASHER - FLAT 5/16	4
5	515-02004	.ELBOW - 45°, #4 OFS	1
6	513-20017	.CONNECTOR - STRAIGHT, #4 OFS	1
7	502-10974	.HOSE - BRAKE RELEASE ASSEMBLY	1

P-2422.D

ROTATION GEARBOX ASSEMBLY

292-00016



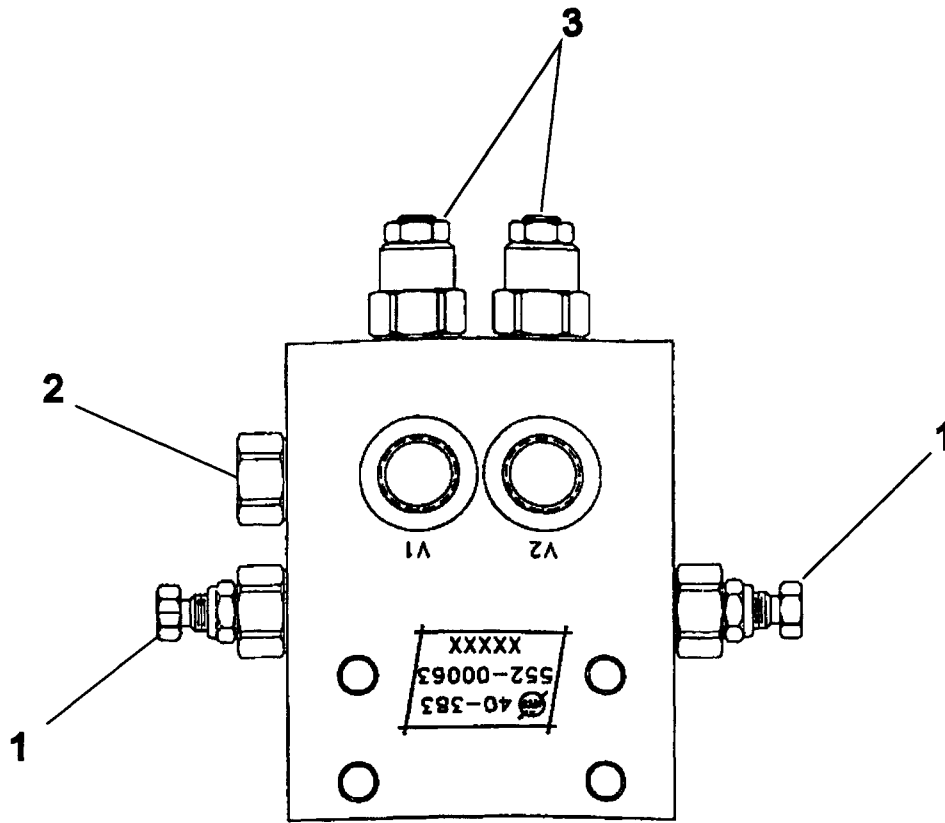
ROTATION GEARBOX SUBASSEMBLY

292-00020

2.10.1.1

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	530-20135	.MOTOR - SWING	1
2	280-00523	.RING - ECCENTRIC	REF.
3	282-00006	.GEARBOX - ROTATION	1
4	220-04005	.BOLT 1/2 x 1 1/2" LONG	2
5	222-04009	.WASHER - FLAT 1/2	2
	P-2489.D		

292-00020



SWING VALVE SUBASSEMBLY

552-00063

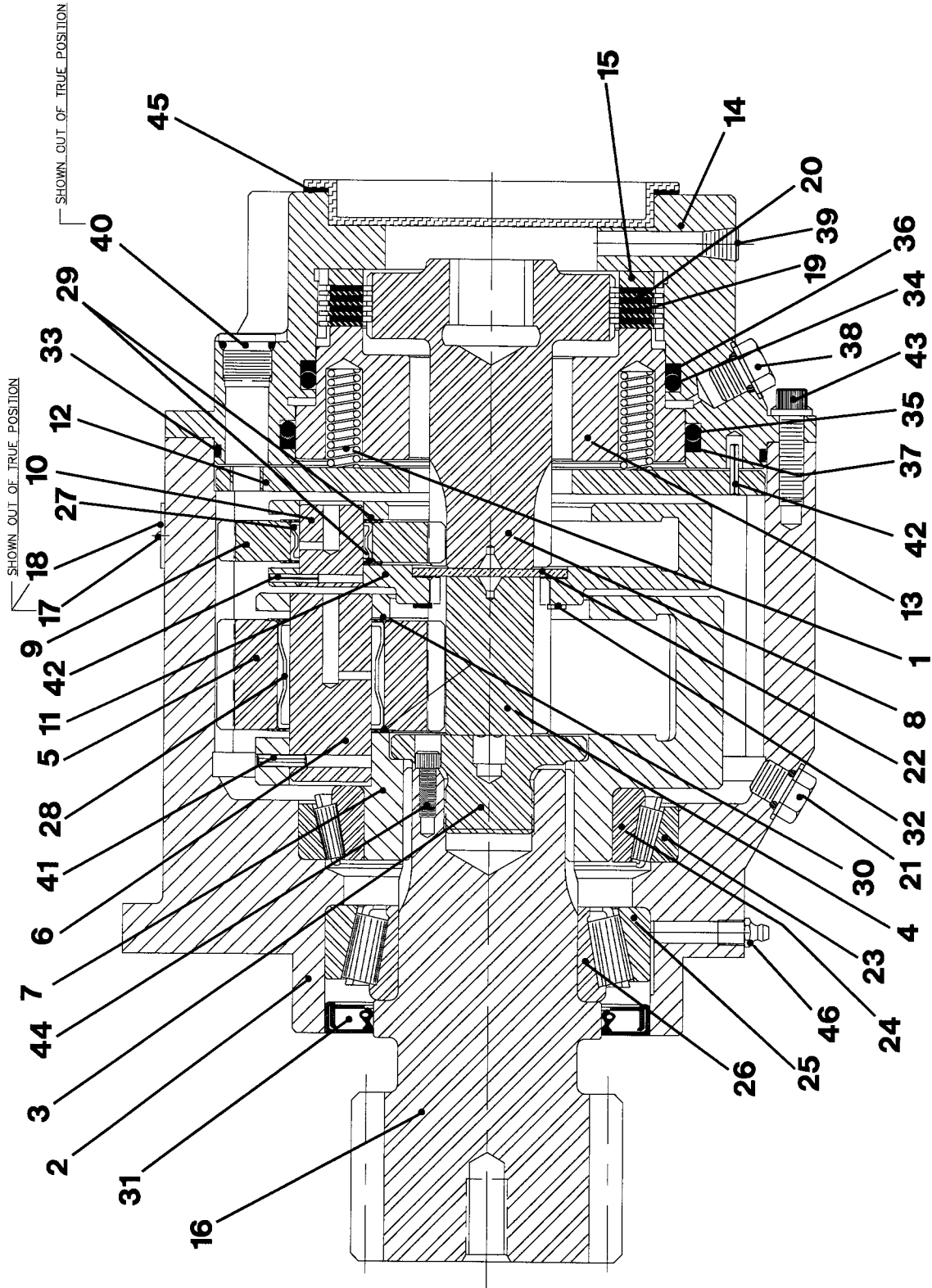
2.10.1.1.2

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	552-00072	.VALVE - SEQUENCE	2
2	552-00073	.VALVE - SHUTTLE	1
3	552-00074 P-2721	.VALVE - COUNTERBALANCE, 3000 PSI	2

SWING VALVE SUBASSEMBLY

552-000063

SWING GEARBOX



282-00006

2.10.1.1.3

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	347-00171	.SPRING - BRAKE	11
2	347-01393	.HOUSING	1
3	347-01394	.BOLT - OUTPUT	1
4	347-01395	.GEAR - SECONDARY SUN	1
5	347-01396	.GEAR - SECONDARY PLANET	3
6	347-01397	.PIN - SECONDARY PLANET	3
7	347-01398	.CARRIER - SECONDARY PLANET	1
8	347-01399	.GEAR - INPUT	1
9	347-01400	.GEAR - PRIMARY PLANET	3
10	347-01401	.PIN - PRIMARY PLANET	3
11	347-01402	.CARRIER - PRIMARY PLANET	1
12	347-01403	.PLATE - SPRING	1
13	347-01404	.PISTON - BRAKE	1
14	347-01405	.HOUSING - BRAKE	1
15	347-01406	.PLATE - BACKUP	1
16	347-01407	.SHAFT - OUTPUT	1
17	347-01201	.DRIVE - SCREW	2
18	347-01377	.LABEL - PLATE	1
19	347-00169	.DISC - REACTION	4
20	347-00170	.DISC - BRAKE	4
21	347-01390	.PLUG - STRAIGHT THREAD	1
22	347-01043	.SPACER	1
23	347-01408	.BEARING - CUP	1
24	347-01409	.BEARING - CONE	1
25	347-01410	.BEARING - CUP	1
26	347-01411	.BEARING - CONE	1
27	347-01412	.BEARING - ROLLER	3
28	347-01413	.BEARING - ROLLER	3
29	347-01303	.WASHER - THRUST TORQUE	6
30	347-01414	.WASHER - THRUST	6
31	347-01415	.SEAL	1
32	347-01416	.RING - SNAP	1
33	347-01038	.O-RING	1
34	347-00173	.O-RING	1
35	347-00174	.O-RING	1
36	347-00175	.RING - BACKUP	1
37	347-00176	.RING - BACKUP	1
38	347-00449	.PLUG - STRAIGHT THREADED	1
39	347-01266	.PLUG - PIPE 1/8	1
40	347-00448	.PLUG - STRAIGHT THREADED	1
41	347-00187	.PIN - ROLL 3/16 x 3/4" LONG	3
42	347-01418	.PIN - ROLL 1/8 x 3/4" LONG	4
43	347-00658	.SCREW - CAP 3/8 x 1 1/4" LONG	8
44	347-01419	.SCREW - CAP 1/4 x 5/8" LONG	1
45	347-00024	.GASKET - HYDRAULIC MOTOR	1
46	347-00260	.ZERK	1

P-2490.D

282-00006

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	540-90067	.CYLINDER - TOPPING (SEE 2.11.1)	1
*2	514-52005	.ELBOW - 90°	1
**3	514-52003	.ELBOW - 90°	1
**4	513-70022	.CONNECTOR - STRAIGHT	1
5	513-20017	.CONNECTOR - STRAIGHT	2
6	502-11172	.HOSE - TRANSDUCER/TOPPING CYLINDER	2
7	400-05394	.TRANSDUCER - PRESSURE MOD.	2
8	224-26005	.ROD END - 5/8 x 4 1/2" LONG	1
9	222-16003	.WASHER - LOCK 5/8	3
10	220-36010	.BOLT 5/8 x 3/4" LONG	2
11	220-06037	.BOLT 5/8 x 1 1/2" LONG	1
12	201-00224	.CLAMP - PRESSURE TRANSDUCER	2
13	552-10198	.FUSE - VELOCITY	1
14	789-04487	.BAR - CLAMP REINFORCEMENT	1
15	870-80010	.PIN - TOPPING CYLINDER BASE	1
16	502-40829	.HOSE - TOPPING CYLINDER	2
17	220-02008	.BOLT 3/8 x 3 1/2" LONG	1
18	221-92001	.NUT - TOPLOCK 3/8	1
19	222-02005	.WASHER - FLAT 3/8	2
*20	514-57011	.ELBOW - 90°	1
**21	516-87006	.TEE - SN RUN	1
**22	519-70034	.REDUCER	1
**23	511-70004	.NUT - TUBE	1

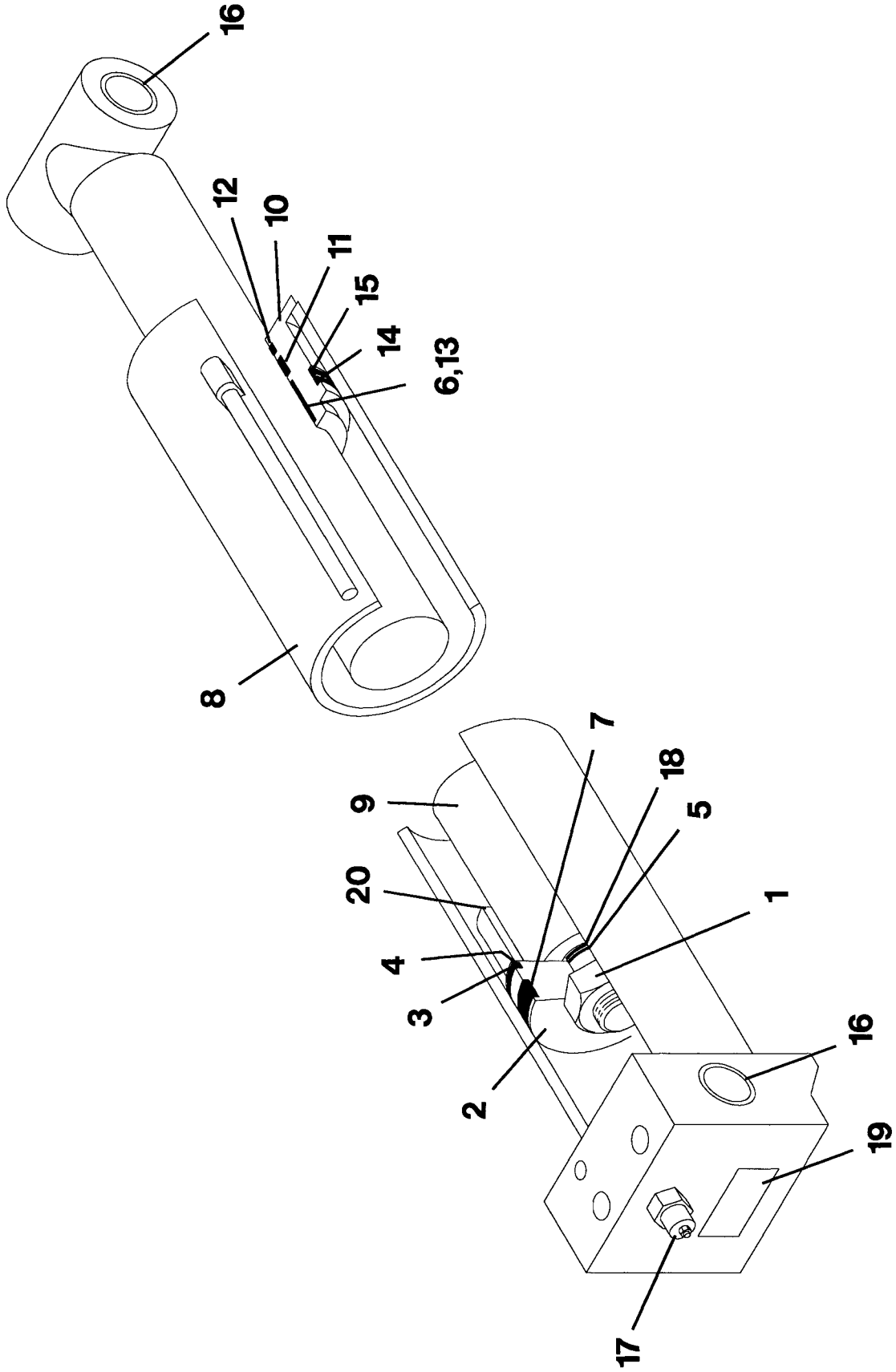
P-2515

*QUANTITY (2) FOR UNITS S/N 7510794004 AND UP.

**USED ONLY ON UNITS S/N 7510794001 TO 7510794003.

TOPPING CYLINDER ASSEMBLY

2.11.1



540-90067

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	830-00081	.LOCKNUT	1
2	830-00290	.PISTON	1
*3	830-00158	.PISTON SEAL	1
*4	830-00159	.O-RING	1
*5	830-00160	.BACK-UP	2
*6	830-00291	.RING - ROD WEAR	2
*7	830-00162	.RING - PISTON WEAR	2
8	830-00298	.CASE WELDMENT	1
9	830-00292	.ROD WELDMENT	1
10	830-00293	.HEAD	1
*11	830-00294	.SEAL - ROD	1
*12	830-00295	.WIPER - ROD	1
*13	830-00296	.RING - ROD WEAR	1
*14	830-00169	.O-RING	1
*15	830-00170	.BACK-UP	1
16	830-00171	.BUSHING	4
**17	552-00114	.VALVE - COUNTERBALANCE	1
*18	830-00172	.O-RING	1
19	830-00200	.TAG - ID	1
20	830-00297	.SPACER	1

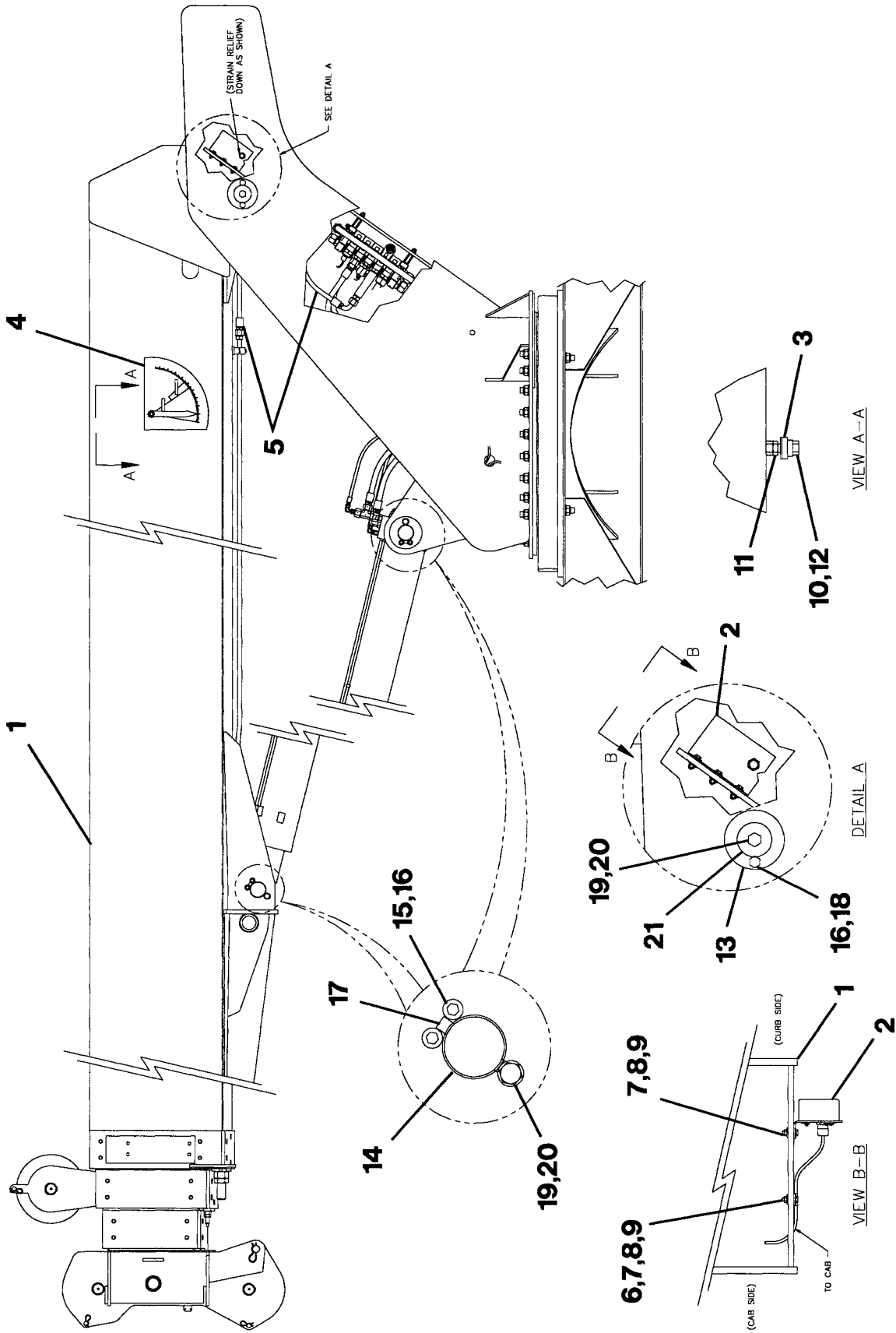
P-2418.D

*ITEMS INCLUDED IN SEAL KIT #268-90148

**SEAL KIT #059-00017

BOOM INSTALLATION

3.0



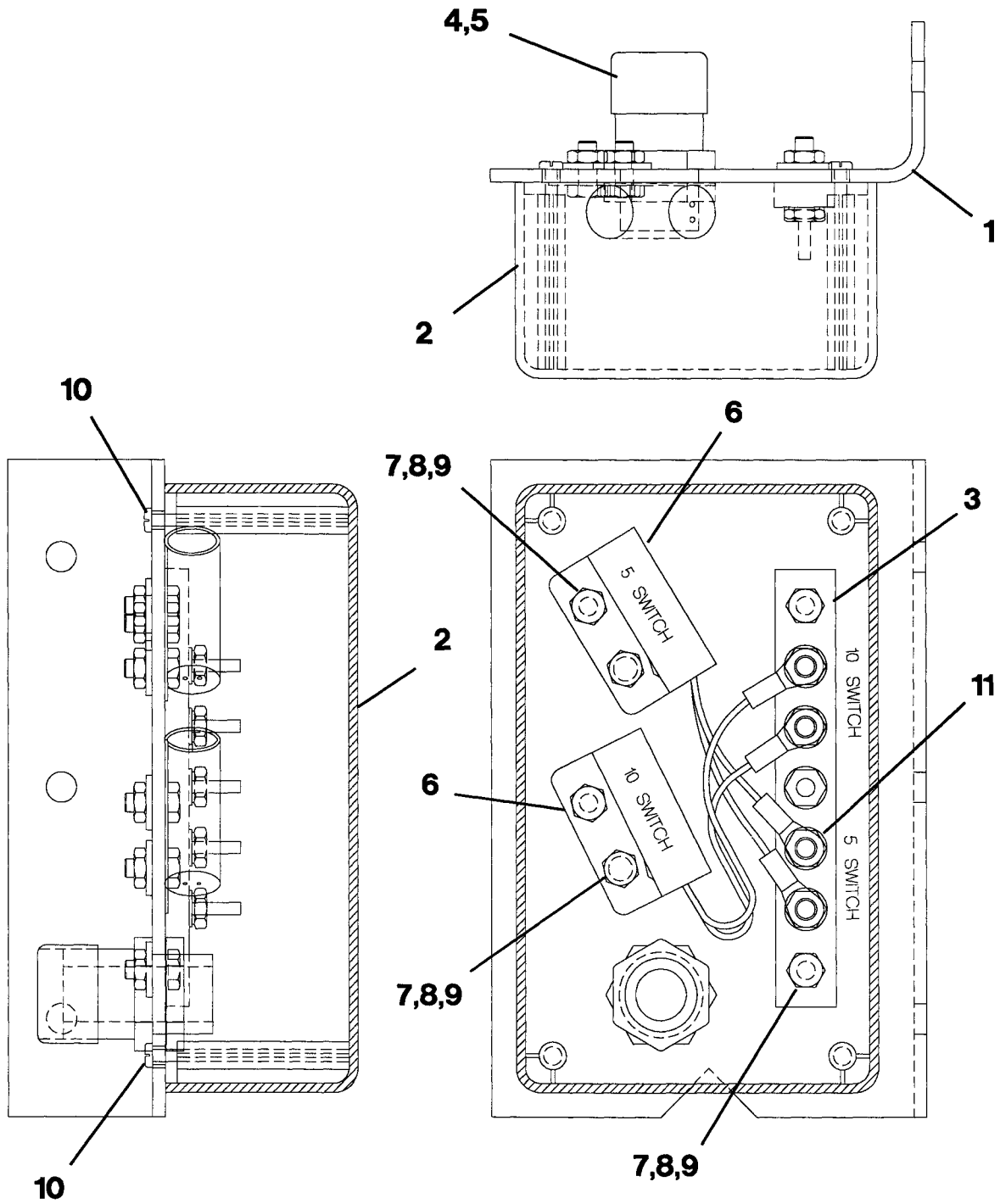
720-00886

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	721-00180	.BOOM - SUBASSEMBLY	1
2	400-00945	.SWITCH BOX - BOOM ANGLE ASSEMBLY (SEE 3.0.1)	1
3	729-02151	.POINTER - BOOM ANGLE ASSEMBLY	1
4	653-00300	.PLACARD - BOOM ANGLE L/H	1
5	502-40830	.HOSE ASSEMBLY - TELESCOPE-VALVE/TUBE	2
6	201-00162	.CLAMP - TUBE 5/16	1
7	222-01001	.WASHER - FLAT 5/16	8
8	221-91001	.NUT - TOPLOCK 5/16	4
9	220-01003	.BOLT 5/16 x 1 1/4" LONG	4
10	220-03004	.BOLT 7/16 x 1 1/4" LONG	1
11	221-03001	.NUT - HEX 7/16	1
12	222-03002	.WASHER - FLAT 7/16	1
13	789-04452	.PLATE - PIN RETAINER	1
14	870-90031	.PIN - 2 3/4" DIA.	1
15	220-36010	.BOLT 5/8 x 3/4" LONG	4
16	222-16003	.WASHER - LOCK 5/8	4
17	224-26005	.ROD END - 5/8 DIA	2
18	220-06037	.BOLT 5/8 x 1 1/2" LONG	2
19	220-07006	.BOLT 3/4 x 2" LONG	1
20	222-17001	.WASHER - LOCK 3/4	1
21	870-80010	.PIN - 2 3/4" DIA	2

P-2519

720-00886

BOOM ANGLE SWITCH SUBASSEMBLY



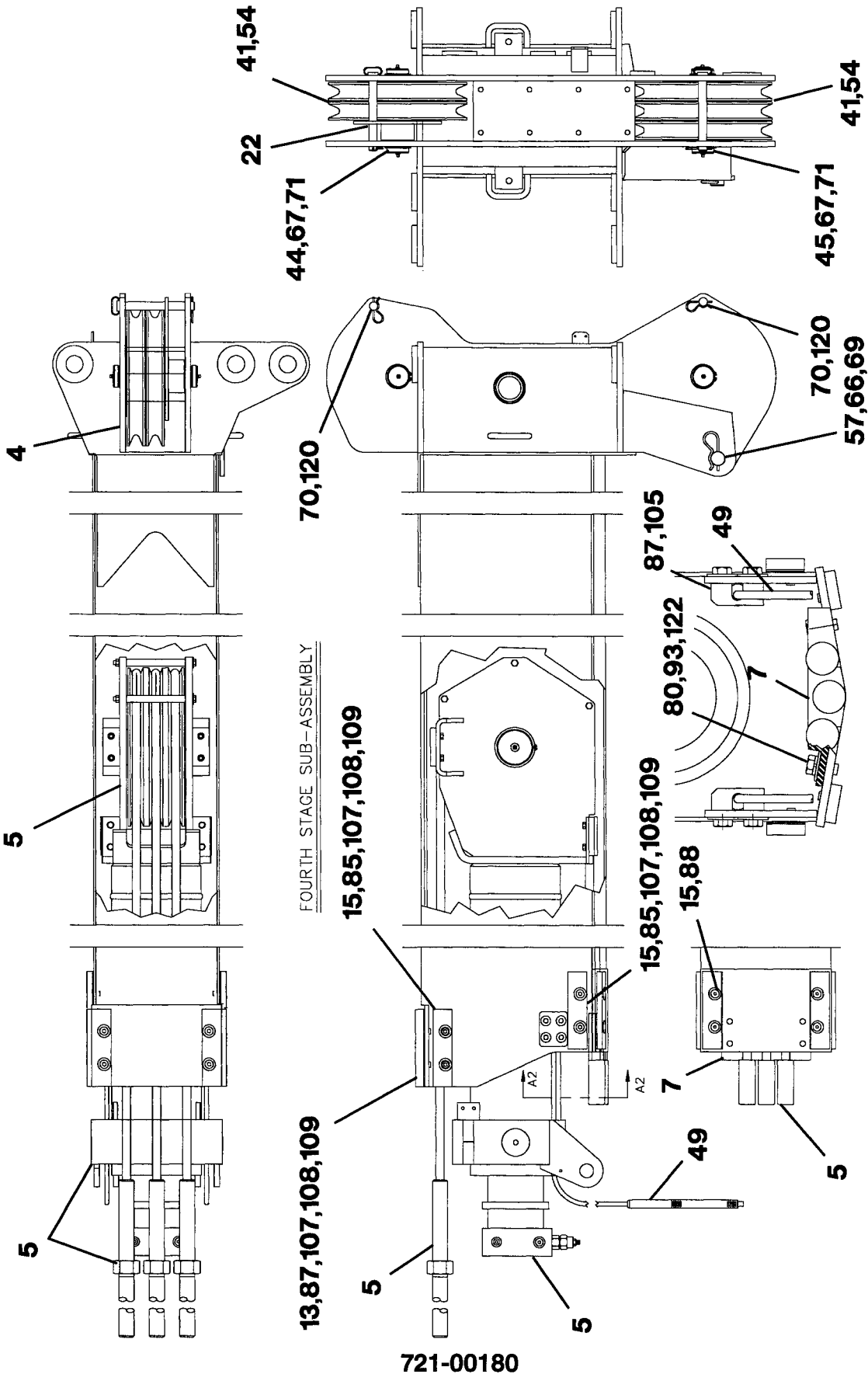
400-00945

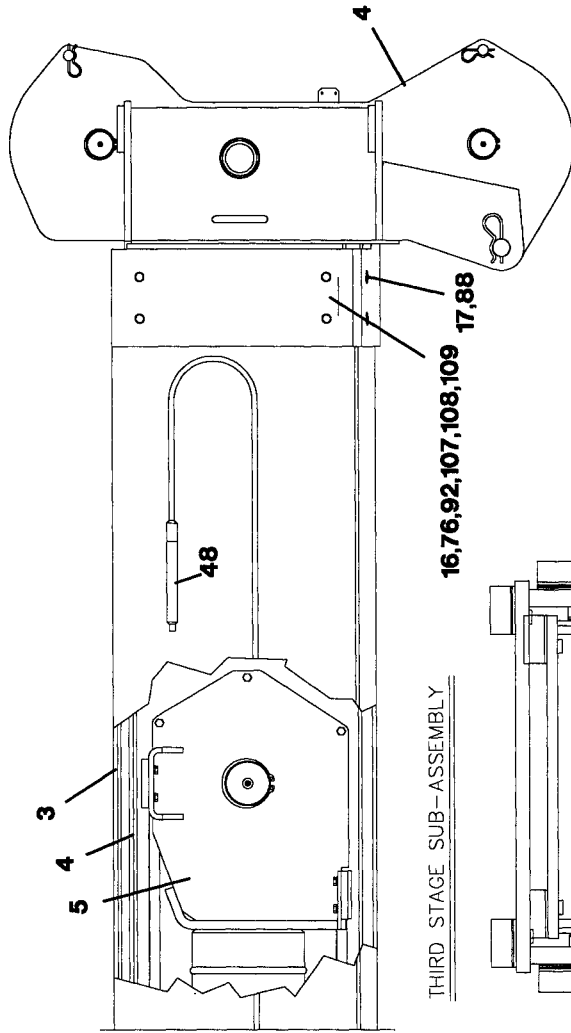
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1	770-02105	.BRACKET - SWITCH BOX	1
2	400-05372	.ENCLOSURE - ELECTRICAL	1
3	400-03011	.STRIP - TERMINAL 5-POST	1
4	400-15066	.RELIEF - STRAIN 1/2	1
5	400-15054	.NUT - STRAIN RELIEF	1
6	400-05221	.SWITCH - ENCLOSED MERCURY W/BRACKET	2
7	223-04002	.SCREW - HEX HEAD MACHINE #10 x 3/4" LONG	6
8	222-00007	.WASHER - FLAT #10	6
9	221-90005	.NUT - TOPLOCK #10	6
10	223-14118	.SCREW - PAN HEAD MACHINE #6 x 3/4" LONG	4
11	400-02325	.RING - TERMINAL #10	4
	P-2497.D		

400-00945

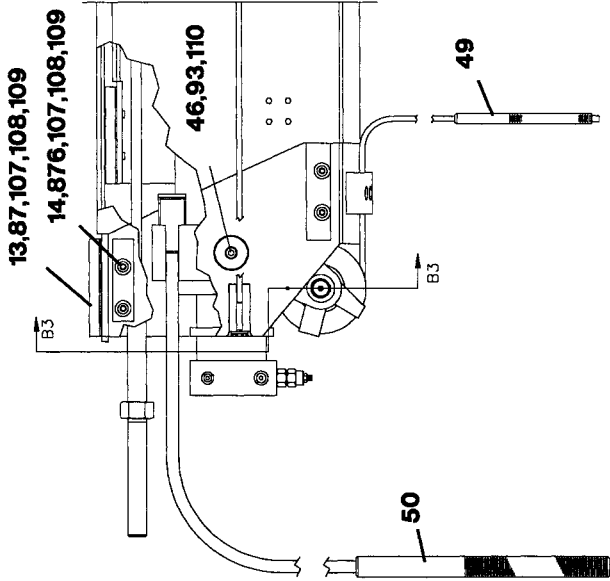
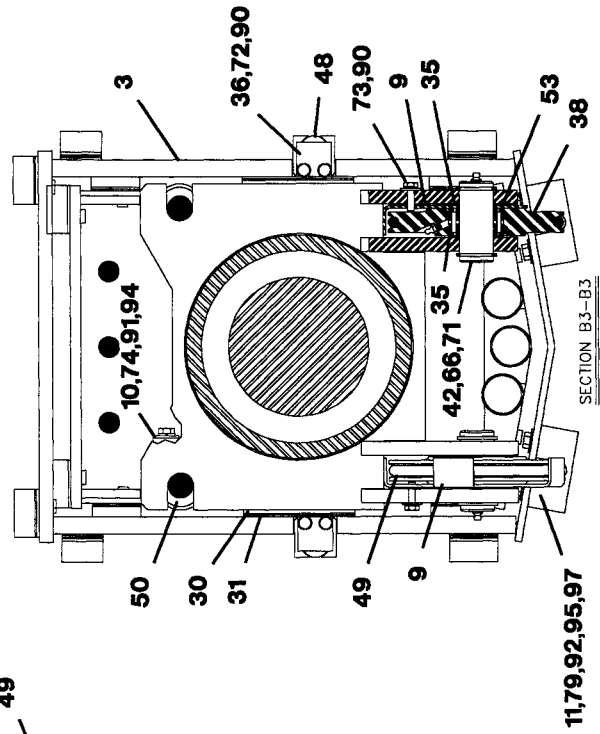
BOOM SUBASSEMBLY

3.1





THIRD STAGE SUB-ASSEMBLY

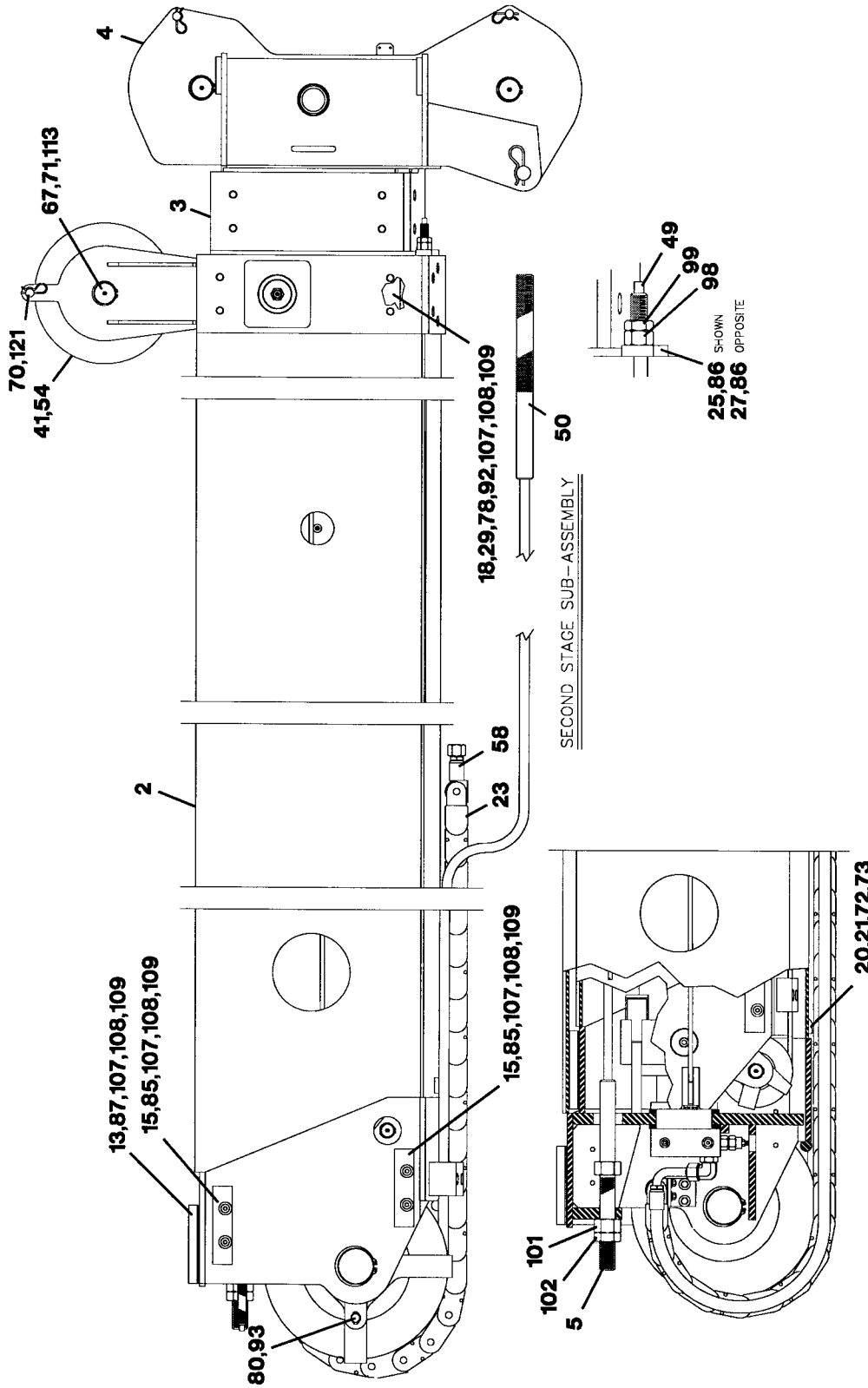


721-00180

P-2521A.DWG

BOOM SUBASSEMBLY

3.1

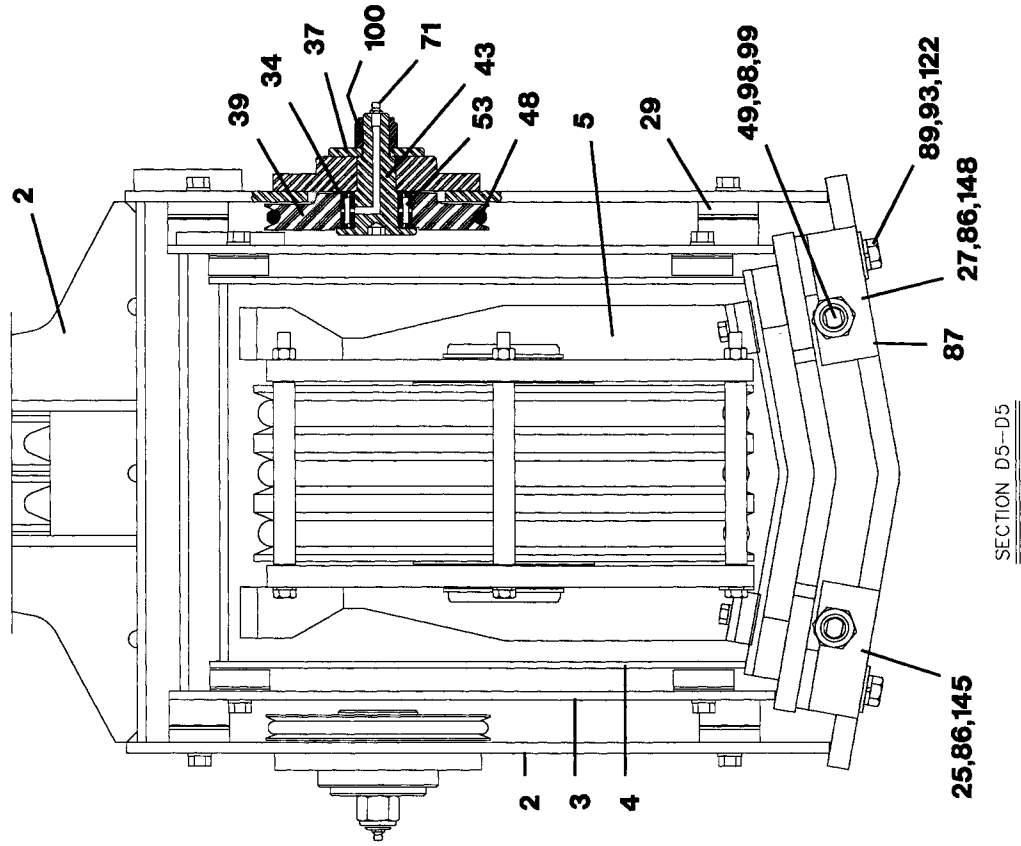


721-00180

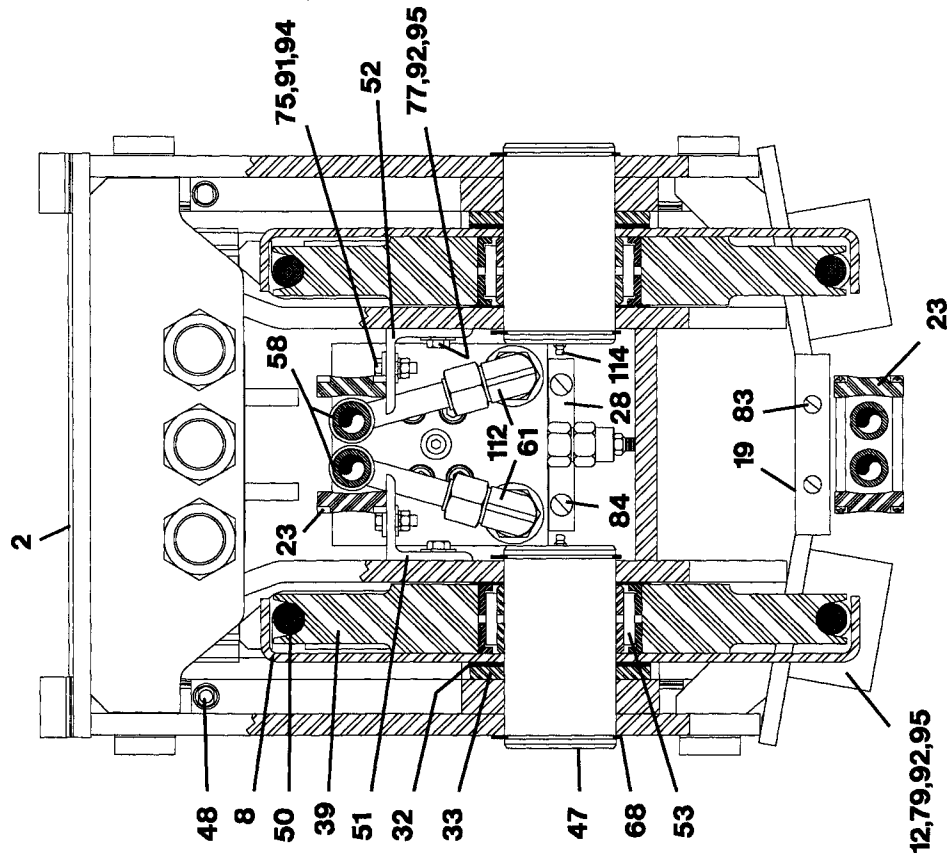
PARTIAL CUT AWAY OF SECOND STAGE SUB-ASSEMBLY

P-2521B.DWG

BOOM SUBASSEMBLY



SECTION D5-D5



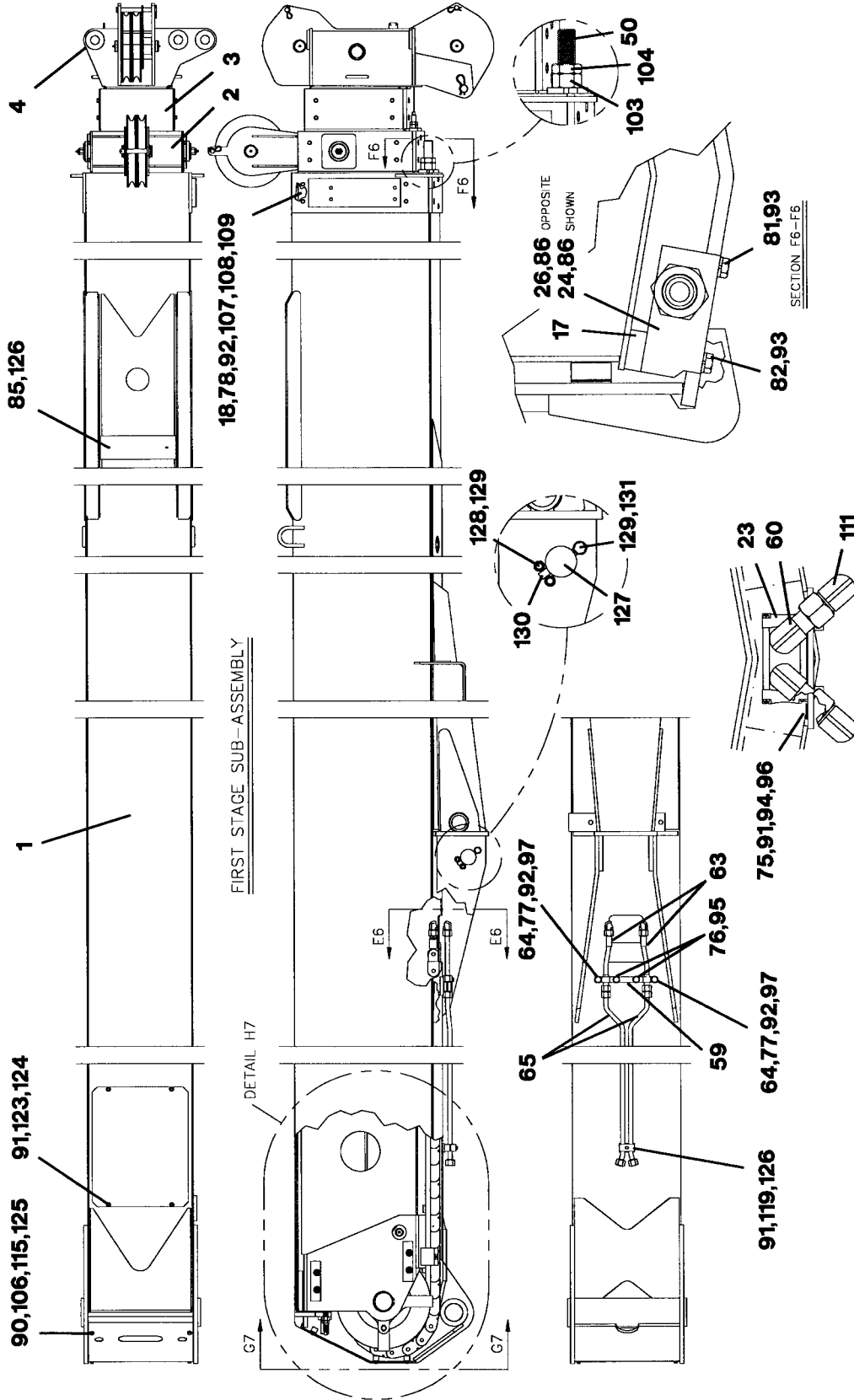
SECTION C5-C5

P-2521C.DWG

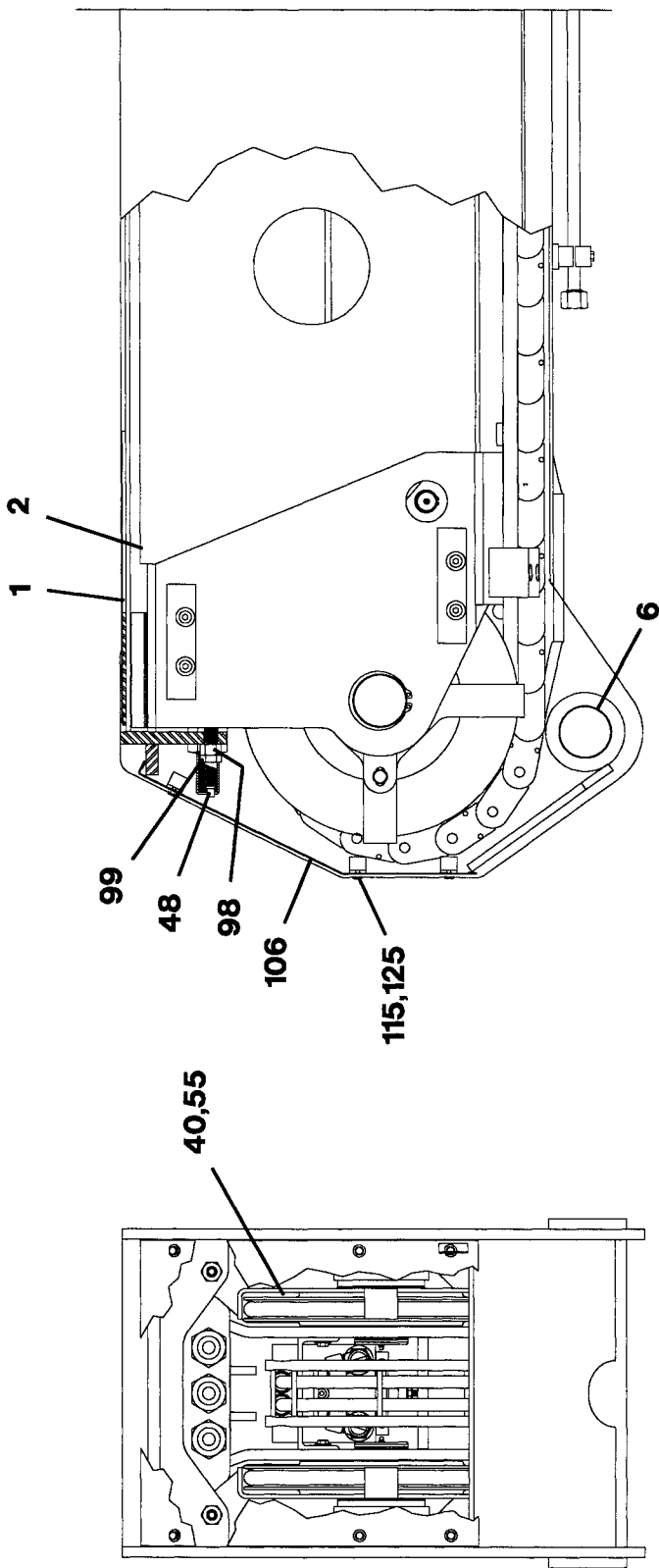
721-00180

BOOM SUBASSEMBLY

3.1



721-00180



721-00180

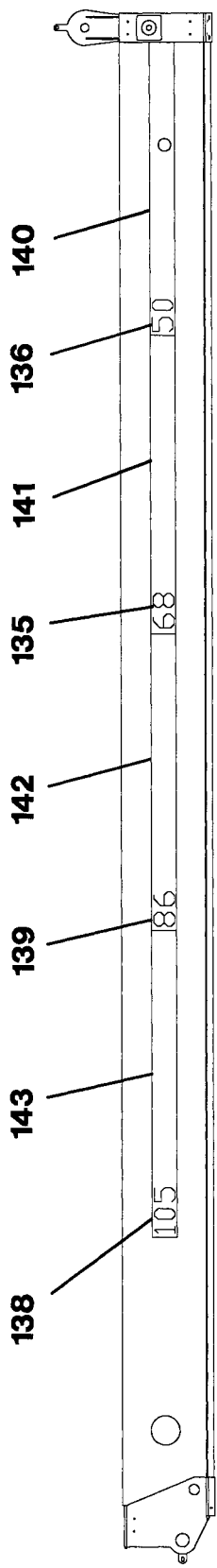
SECTION G7-G7

DETAIL H7

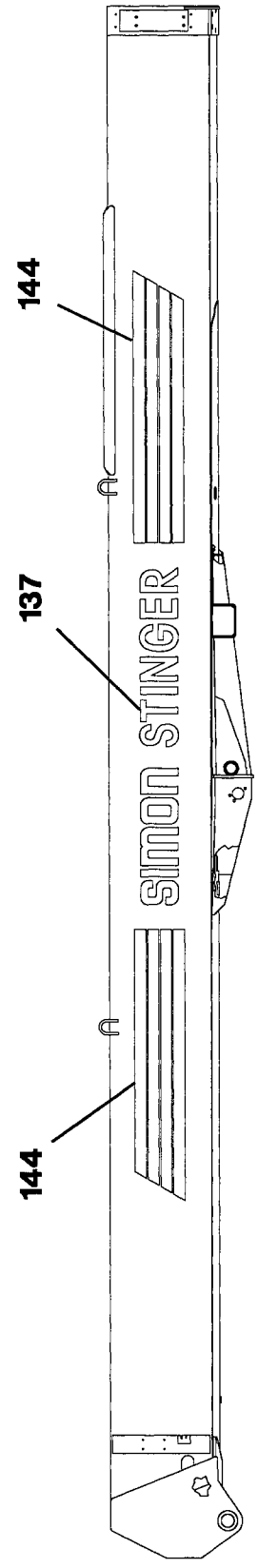
P-2521E.DWG

BOOM SUBASSEMBLY

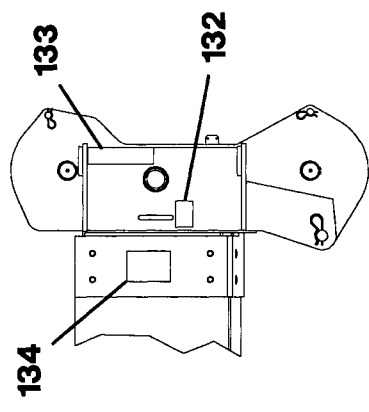
3.1



STRIPING LAYOUT FOR 2ND STAGE BOOM



STRIPING LAYOUT FOR BASE BOOM



PLACARD LOCATIONS

721-00180

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	722-01208	.BOOM WELDMENT - BASE	1
2	722-01209	.BOOM WELDMENT - SECOND STAGE	1
3	722-01210	.BOOM WELDMENT - THIRD STAGE	1
4	722-01211	.BOOM WELDMENT - FOURTH STAGE	1
5	548-00036	.CYLINDER - EXTENSION ASSEMBLY	1
6	271-19019	.BEARING - JOURNAL	2
7	100-10077	.ANCHOR - 3 ROPE CABLE	1
8	729-02556	.RETAINER - 7/8 ROPE CABLE	2
9	729-02484	.RETAINER - 3/8 ROPE CABLE	2
10	729-02485	.REAINER - 7/8 ROPE CABLE	2
11	729-02486	.GUIDE - 3/8 ROPE CABLE	2
12	729-02487	.GUIDE - 7/8 CABLE ROPE	2
13	729-02490	.WEAR PAD - 3/4 THICK	6
14	729-02236	.WEAR PAD - 3/4 THICK	4
15	729-02488	.WEAR PAD - 1/2 THICK	10
16	729-02506	.WEAR PAD - 1/2 THICK	4
17	729-02507	.WEAR PAD - 3/4 THICK	6
18	729-02235	.WEAR PAD - 3/4 THICK	8
19	729-02509	.WEAR BAR - HOSE TRACK	1
20	729-02510	.WEAR BAR - HOSE TRACK L/H	1
21	729-02511	.WEAR BAR - HOSE TRACK R/H	1
22	729-02516	.SPACER - BOOM TIP WELDMENT	1
23	730-90260	.HOSE TRACK - EXTENSION CYLINDER	1
	055-00079	..LINK - 6" SECTION	REF
24	780-00301	.SUPPORT - CABLE ANCHOR PLATE (2ND)	2
25	780-00300	.SUPPORT - CABLE ANCHOR PLATE (BASE)	2
26	780-00290	.SUPPORT - CABLE ANCHOR BLOCK (2ND)	2
27	780-00289	.SUPPORT - CABLE ANCHOR BLOCK (BASE)	2
28	783-03230	.BAR - STOP	1
29	787-00277	.SHIM - WEAR PAD	A/R
30	787-00278	.SHIM - TRUNNION 10 GA	A/R
31	787-00279	.SHIM - TRUNNION 16 GA	A/R
32	787-00281	.SHIM - EXTENSION SHEAVE 18 GA	A/R
33	787-00282	.SHIM - EXTENSION SHEAVE 3/8	A/R
34	787-00283	.SHIM - RETRACT SHEAVE 16 GA	A/R
35	222-29004	.BUSHING - MACHINE	4
36	789-04303	.PLATE - RETAINER	2
37	789-04310	.PLATE - BEARING RETAINER	2
38	860-20011	.SHEAVE ASSEMBLY - 3/8 ROPE	2
39	860-40074	.SHEAVE ASSEMBLY - 3/8 ROPE OFFSET	2
40	860-60008	.SHEAVE ASSEMBLY - 7/8 ROPE	2
41	860-70008	.SHEAVE ASSEMBLY - 5/8 ROPE	7
42	870-30214	.PIN - 1 1/4	2
43	870-30215	.PIN - 1 1/4	2
44	870-60210	.PIN - 2	1
45	870-60214	.PIN - 2	1
46	870-80007	.PIN - 2 1/2 TRUNNION	2
47	870-90034	.PIN - 3 1/4	2
48	861-14013	.WIRE ROPE ASSEMBLY - 3/8 x 733 3/16" LONG	2
49	861-14014	.WIRE ROPE ASSEMBLY - 3/8 x 383 3/16" LONG	2
50	861-17038	.WIRE ROPE ASSEMBLY - 7/8 x 409 5/16" LONG	2
51	785-01819	.ANGLE - TRACK MOUNTING L/H	1

721-00180

ITEM	PART NUMBER	DESCRIPTION	QTY.
52	785-01820	.ANGLE - TRACK MOUNTING R/H	1
53	274-20004	.BEARING - INNER RACE	4
54	274-30006	.BEARING - INNER RACE	7
55	274-40009	.BEARING - INNER RACE	2
56	780-00303	.SUPPORT BLOCK - CABLE ANCHOR END PLATE	1
57	870-30213	.PIN - AUXILIARY SHEAVE 1 1/4"	1
58	502-40824	.HOSE ASSEMBLY 3/4"	2
59	783-03417	.BAR - BOOM HOSE SUPPORT	1
60	514-67004	.CONNECTOR - 90° SWIVEL ELBOW	4
63	502-40744	.HOSE ASSEMBLY - JUMPER	2
64	201-00040	.CLAMP - 1 1/16 TUBE	2
65	510-70829	.TUBE ASSEMBLY - 3/4 x 124.38"	2
66	200-10013	.RING - RETAINING	5
67	200-30006	.RING - RETAINING	6
68	200-50004	.RING - RETAINING	4
69	224-04002	.HAIRPIN - 3/16	1
70	224-02006	.HAIRPIN - 1/8	3
71	501-03001	.FITTING - LUBE 1/4	10
72	220-00002	.BOLT 1/4 x 1/2" LONG	2
73	220-00003	.BOLT 1/4 x 3/4" LONG	2
74	220-01004	.BOLT 5/16 x 3/4" LONG	4
75	220-01005	.BOLT 5/16 x 1" LONG	12
76	220-02003	.BOLT 3/8 x 3/4" LONG	10
77	220-02004	.BOLT 3/8 x 1" LONG	6
78	220-02002	.BOLT 3/8 x 1 1/4" LONG	16
79	220-02006	.BOLT 3/8 x 1 1/2" LONG	8
80	220-04047	.BOLT 1/2 x 1" LONG	12
81	220-04005	.BOLT 1/2 x 1 1/2" LONG	4
82	220-14016	.BOLT 1/2 x 3 1/2" LONG	4
83	223-00208	.SCREW - MACHINE 1/4 x 1 1/4" LONG	2
84	223-00308	.SCREW - MACHINE 5/16 x 1 1/2" LONG	2
85	223-00407	.SCREW - MACHINE 3/8 x 1" LONG	14
86	223-00409	.SCREW - MACHINE 3/8 x 1 1/4" LONG	16
87	223-00607	.SCREW - MACHINE 1/2 x 1 1/4" LONG	16
88	223-00611	.SCREW - MACHINE 1/2 x 1 1/4" LONG	4
89	220-14017	.BOLT 12 x 2 1/4" LONG	4
90	222-10005	.WASHER - LOCK 1/4	18
91	222-11002	.WASHER - LOCK 5/16	19
92	222-12001	.WASHER - LOCK 3/8	40
93	222-14003	.WASHER - LOCK 1/2	14
94	222-01001	.WASHER - FLAT 5/16	12
95	222-02003	.WASHER - FLAT 3/8	14
96	221-02003	.NUT - HEX 5/15	12
97	221-02001	.NUT - HEX 3/8	6
98	221-07001	.NUT - HEX 3/4	4
99	221-07002	.NUT - JAM 3/4	4
100	221-97002	.NUT - LOCK 3/4	2
101	221-09010	.NUT - HEX 1 3/8	3
102	221-09011	.NUT - JAM 1 3/8	3
103	221-09007	.NUT - HEX 1 1/2	2
104	221-09009	.NUT - JAM 1 1/2	2
105	781-00211	.BOSS - RETAINER CABLE ANCHOR	2

721-00180

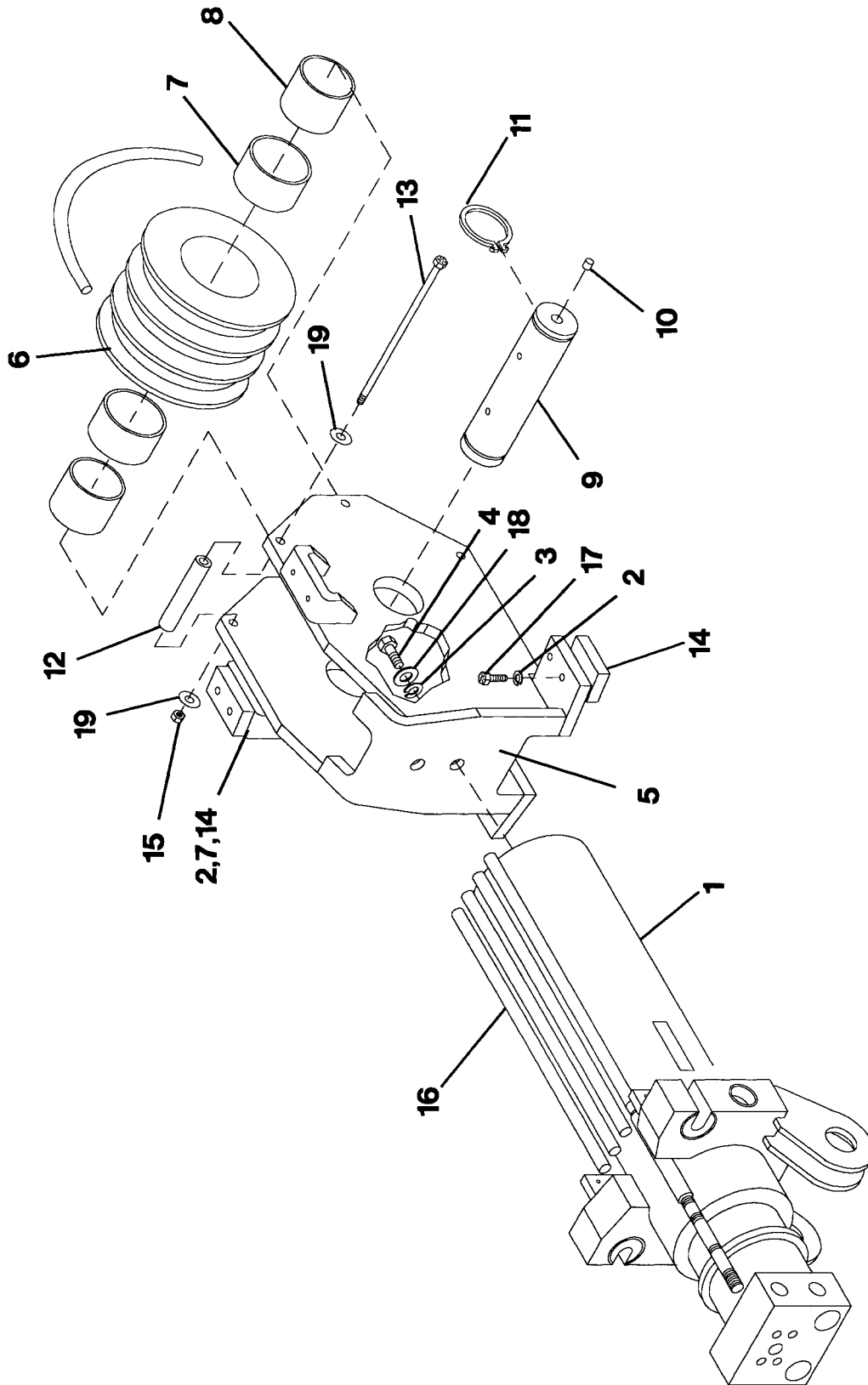
BOOM SUBASSEMBLY

ITEM	PART NUMBER	DESCRIPTION	QTY.
106	802-01494	.COVER - BASE BOOM	1
107	787-00238	.SHIM - .04	A/R
108	787-00239	.SHIM - .063	A/R
109	787-00240	.SHIM - .100	A/R
110	220-34014	.SCREW - CAP 1/2 x 2 1/4" LONG	2
111	514-47002	.CONNECTOR - 90° ELBOW	2
112	513-70023	.CONNECTOR - STRAIGHT	2
113	870-60218	.PIN - TOP SHEAVE 2"	1
114	501-03007	.FITTING - LUBE 1/4	2
115	223-15219	.SCREW - MACHINE 1/4 x 1/2" LONG	6
116	223-00205	.SCREW - MACHINE 1/4 x 3/4" LONG	2
117	223-00204	.SCREW - MACHINE 1/4 x 1/2" LONG	2
119	201-00157	.CLAMP - TUBE 3/4	3
120	870-10199	.PIN - CABLE RETAINER	1
121	870-10181	.PIN - CLEVIS 3/4 x 5" LONG	1
122	222-04001	.WASHER - FLAT 1/2	16
123	729-02345	.PLATE - BASE BOOM COVER	1
124	223-15210	.SCREW - MACHINE 5/16 x 3/4" LONG	4
125	222-00006	.WASHER - FLAT 1/4	4
126	220-01009	.BOLT 5/16 x 2 1/4" LONG	4
127	870-90031	.PIN 2 3/4	1
128	220-36010	.BOLT 5/8 x 3/4" LONG	2
129	222-16003	.WASHER - LOCK 5/8	3
130	224-26005	.BOLT 5/8 x 1 1/2" LONG	1
131	220-06037	.BOLT 5/8 x 1 1/2" LONG	2
132	651-00196	.PLACARD - LANYARD ANCHOR POINT	2
133	651-00302	.PLACARD - PERSONNEL ATTACHMENT	2
134	651-00313	.PLACARD - DANGER FINGER HAZARD	2
135	653-00236	.PLACARD - BOOM LENGTH 68 FT	2
136	653-00243	.PLACARD - BOOM LENGTH 50 FT	2
137	653-00283	.PLACARD - SIMON STINGER	2
138	653-00289	.PLACARD - BOOM LENGTH 105 FT	2
139	653-00290	.PLACARD - BOOM LENGTH 86 FT	2
140	659-00009	.STRIPING - BOOM, BEIGE	18'
141	659-00010	.STRIPING - BOOM, YELLOW	18'
142	659-00011	.STRIPING - BOOM, ORANGE	18'
143	659-00012	.STRIPING - BOOM, RED	19'
144	659-00066	.PLACARD - STRIPING, 4-BAR	4
145	780-00300	.SUPPORT BLOCK - CABLE ANCHOR END PLATE R/H	1
146	780-00301	.SUPPORT BLOCK - CABLE ANCHOR END PLATE L/H	1
147	780-00302	.SUPPORT BLOCK - CABLE ANCHOR END PLATE R/H	1
148	780-00303	.SUPPORT BLOCK - CABLE ANCHOR END PLATE R/H	1

P-2521.D

721-00180

EXTENSION CYLINDER ASSEMBLY



3.1.5

548-00036

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	540-90074	.CYLINDER - EXTEND (SEE 3.1.5.1)	1
2	222-11002	.WASHER - LOCK 5/16	8
3	222-19001	.WASHER - LOCK 1	2
4	220-09011	.BOLT 1 x 2" LONG	2
5	777-00099	.BRACKET - EXTENSION SHEAVE WELDMENT	1
6	860-60009	.SHEAVE - 3-ROPE 3/4 ROPE	1
7	273-50005	.BEARING - ROLLER OUTER RACE	2
8	274-40009	.BEARING - ROLLER INNER RACE	2
9	870-90035	.PIN - SHEAVE	1
10	501-03001	.FITTING - LUBE ZERK	2
11	200-50004	.RING - RETAINING	2
12	782-01501	.SPACER	3
13	220-02055	.BOLT 3/8 x 7 1/2" LONG	3
14	729-02174	.PAD - WEAR	4
15	221-92001	.NUT - HEX HEAD TOPLOCK 3/8	3
16	861-17037	.ROPE - WIRE ASSEMBLY	3
17	220-01004	.BOLT 5/16 x 3/4" LONG	8
18	222-09003	.WASHER - FLAT 1	2
19	222-02005	.WASHER - FLAT 3/8	6

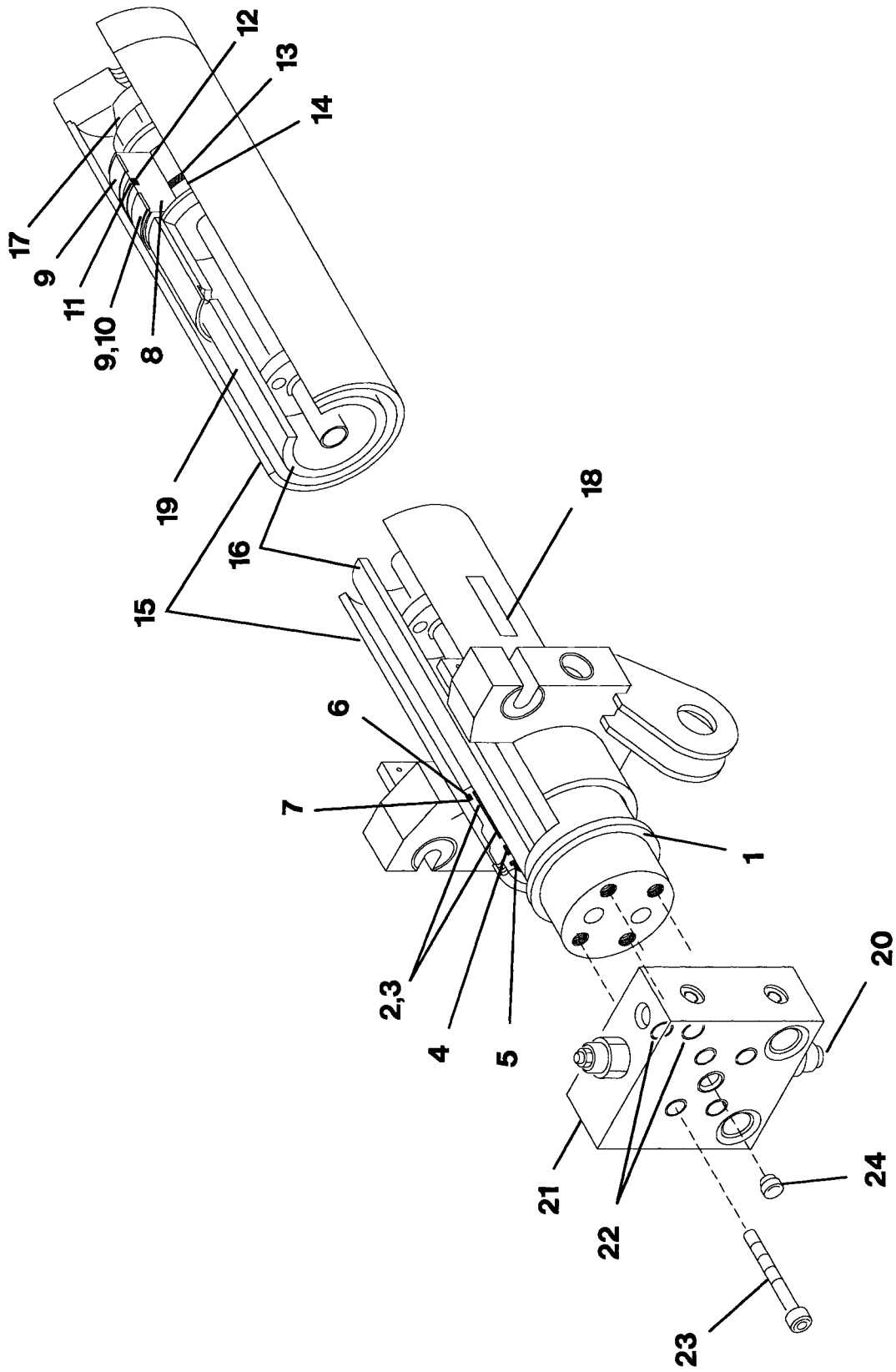
P-2419

EXTENSION CYLINDER ASSEMBLY

548-00036

EXTENSION CYLINDER

3.1.5.1



540-90074

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	830-00299	.HEAD	1
*2	830-00300	.RING - ROD WEAR	3
*3	830-00301	.RING - ROD WEAR	1
*4	830-00302	.SEAL - ROD	1
*5	830-00303	.WIPER - ROD	1
*6	830-00304	.O-RING	1
*7	830-00305	.BACKUP	1
8	830-00306	.PISTON	1
*9	830-00307	.RING - PISTON WEAR	1
10	830-00308	.RING - PISTON WEAR	2
*11	830-00309	.SEAL - PISTON	1
*12	830-00310	.O-RING	1
*13	830-00311	.O-RING	1
*14	830-00312	.BACKUP	2
15	830-00313	.CASE WELDMENT	1
16	830-00401	.ROD WELDMENT	1
17	830-00081	.NUT - LOCK	1
18	830-00105	.TAG - ID	1
19	830-00402	.SPACER	1
**20	552-00127	.VALVE	1
21	830-00403	BLOCK - VALVE	1
*22	830-00043	.O-RING	2
23	830-00018	.SCREW - SHOULDER CAP 1/2 x 3" LONG	4
24	830-00217	.PLUG	1

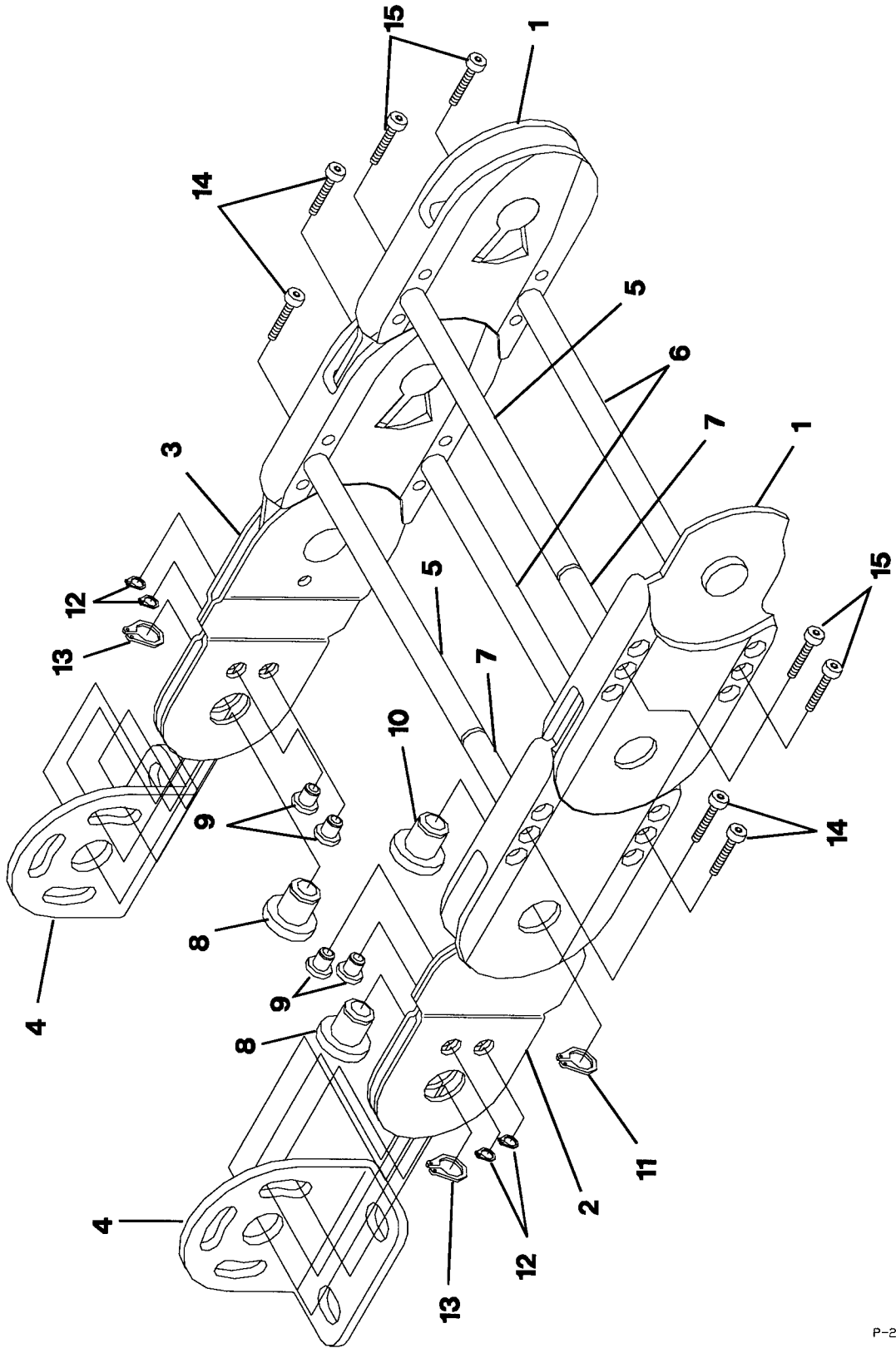
P-2420

*ITEMS INCLUDED IN SEAL KIT #268-90149

**SEAL KIT #059-00027

540-90074

EXTENSION CYLINDER HOSE TRACK



730-90260

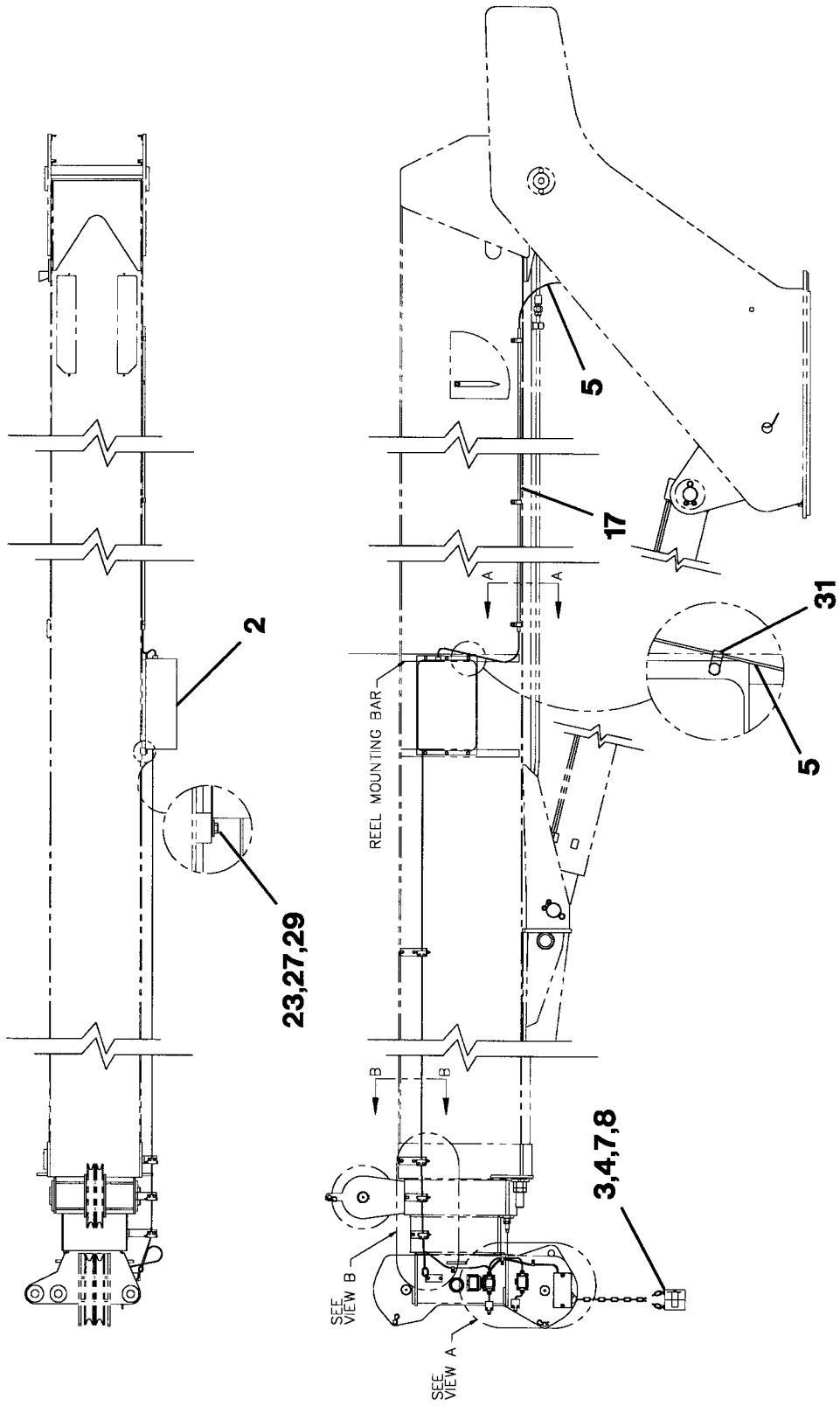
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	352-00001	.LINK - MAIN	2
2	352-00002	.LINK - MALE CONNECT	1
3	352-00003	.LINK - FEMALE CONNECT	1
4	352-00004	.ANGLE - MOUNTING	2
5	352-00005	.BAR - ALUMINUM 1/4 x 2" LONG	2
6	352-00006	.BAR - ALUMINUM 1/4 x 2 3/4" LONG	2
7	352-00007	.ROD - HINGE	2
8	352-00008	.PIN - CENTER BRACKET	2
9	352-00009	.PIN - STOP BRACKET	4
10	352-00010	.PIN - CONNECT LINK CENTER	2
11	352-00011	.RING - CONNECT LINK SNAP	2
12	352-00012	.RING - STOP PIN SNAP	4
13	352-00013	.RING - CENTER PIN SNAP	2
14	352-00014	.SCREW - SOCKET HEAD CAP 4mm x 20mm	4
15	352-00015	.SCREW - SOCKET HEAD CAP 4mm x 16mm	4

ONE SECTION OF TRACK ASSEMBLY SHOWN

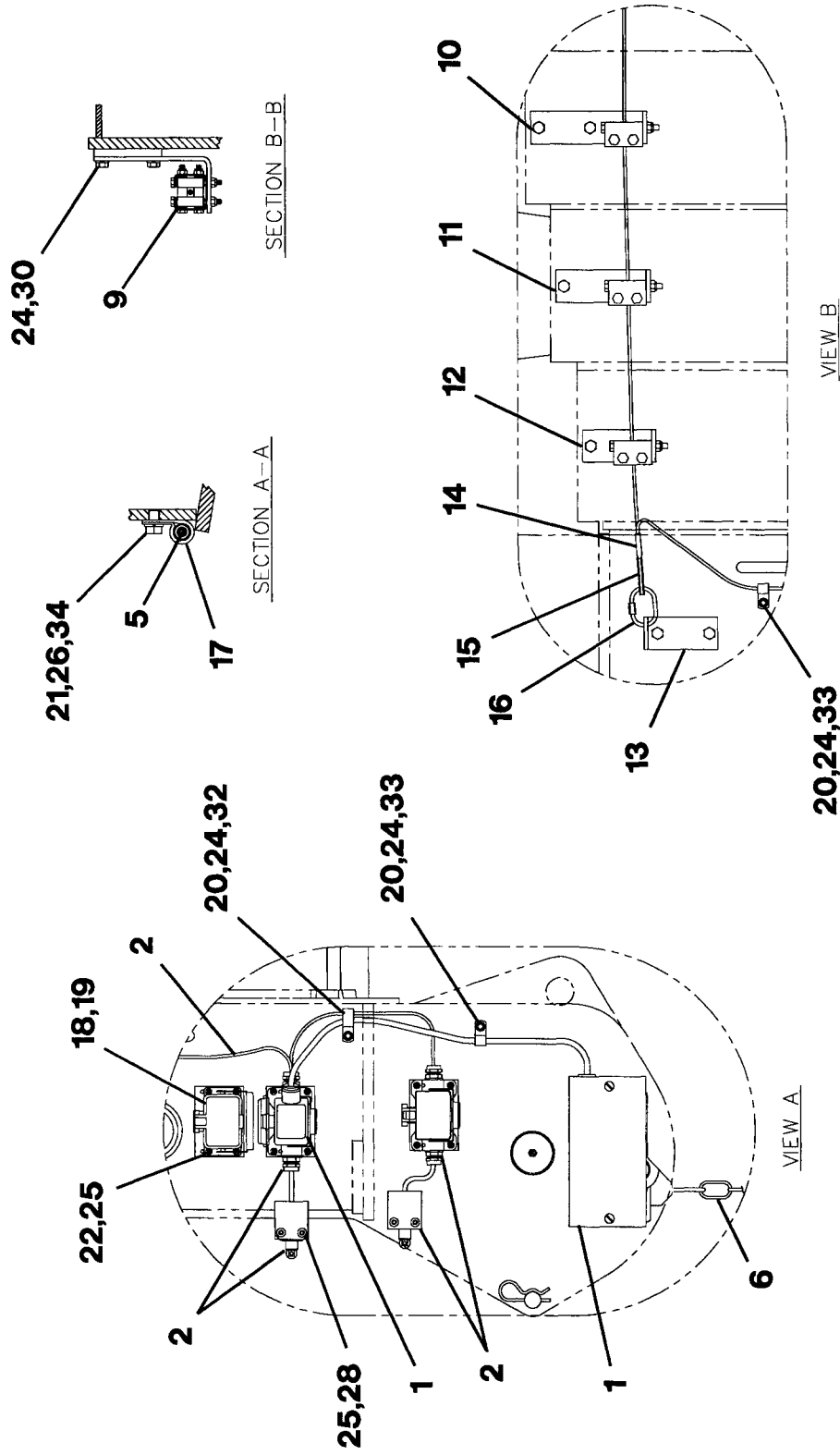
P-2723

BOOM ATB/LMI INSTALLATION

3.2



730-90276



730-90276

P-2542A.DWG

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	861-90352	.SWITCH - ATB ASSEMBLY (SEE 3.2.1)	1
2	861-90353	.REEL - CABLE ASSEMBLY (SEE 3.2.2)	1
3	861-90357	.WEIGHT - ATB SWITCH	1
4	861-90358	.LINK - OPEN END	1
5	400-01853	.CABLE ASSEMBLY - ATB/LMI	1
6	861-90228	.SHACKEL - CHAIN	1
7	861-90191	.CHAIN - TWO-BLOCK, SHORT	2
8	861-90190	.CHAIN - TWO-BLOCK, LONG	1
9	865-00011	.GUIDE - ATB/LMI ROLLER ASSEMBLY	4
10	729-02529	.BRACKET - CABLE GUIDE, BASE BOOM	2
11	729-02530	.BRACKET - CABLE GUIDE, 2ND BOOM	1
12	729-02531	.BRACKET - CABLE GUIDE, 3RD BOOM	1
13	729-02565	.BRACKET - CABLE GUIDE, BOOM TIP	1
14	861-90359	.CLAMP - ROPE	1
15	861-90188	.THIMBLE - CABLE	1
16	586-00053	.LINK - CHAIN CONNECTOR	1
17	570-03028	.TUBING - PVC 1/2 x 104" LONG	1
18	400-23340	.INSERT - FEMALE 6 POSITION	1
19	400-23338	.PANEL - MOUNTING BASE 6 POSITION	1
20	223-15210	.SCREW - MACHINE 5/16 x 3/4" LONG	4
21	223-15219	.SCREW - MACHINE 1/4 x 1/2" LONG	3
22	223-04001	.SCREW - MACHINE #10 x 1/2" LONG	12
23	222-12001	.WASHER - LOCK 3/8	6
24	222-11002	.WASHER - LOCK 5/16	12
25	222-10006	.WASHER - LOCK #10	16
26	222-10005	.WASHER - LOCK 1/4	3
27	222-02005	.WASHER - FLAT 3/8	6
28	220-30019	.SCREW - MACHINE #10 x 3/4" LONG	4
29	220-02003	.BOLT 3/8 x 3/4" LONG	6
30	220-01013	.BOLT 5/16 x 5/8" LONG	8
31	201-00171	.CLAMP - TUBE 1/8	1
32	201-00162	.CLAMP - 5/16	1
33	201-00141	.CLAMP - 1/4 x 5/16	2
34	201-00050	.CLAMP - 3/4	3

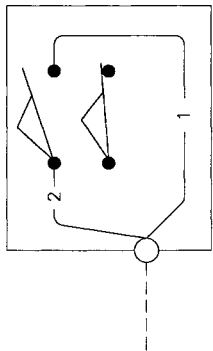
P-2542

BOOM ATB/LMI INSTALLATION

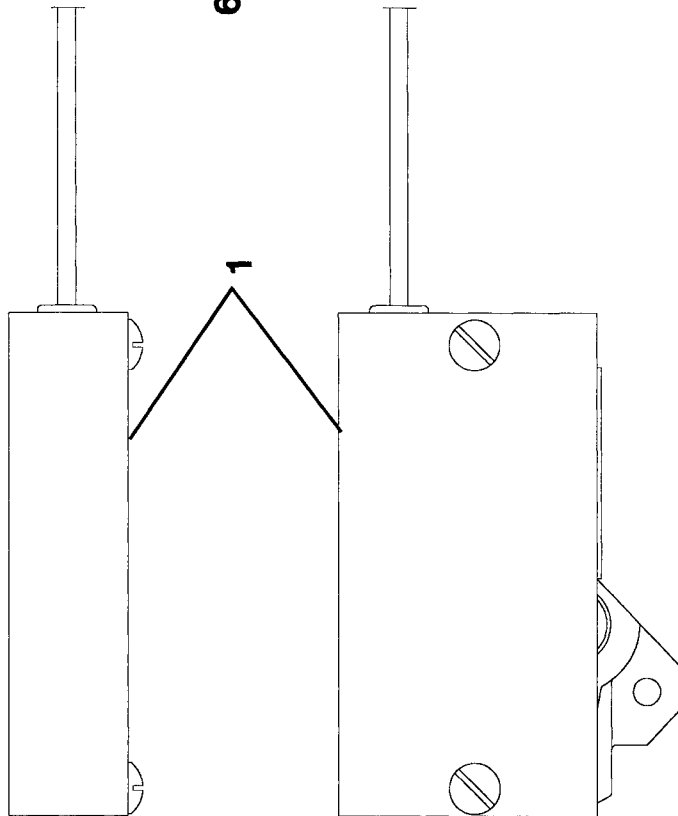
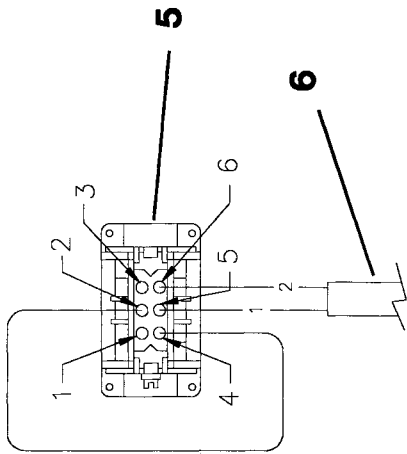
730-90276

ATB SWITCH ASSEMBLY - MAIN BOOM

3.2.1



ATB SWITCH
ELECTRICAL SCHEMATIC



861-90352

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-01837	.SWITCH - ATB	1
2	400-15055	.CONNECTOR - STRAIN RELIEF	1
3	400-23342	.CONNECTOR - ADAPTER	1
4	400-23335	.HOOD - LATERAL ENTRY	1
5	400-23341	.INSERT - MALE	1
6	861-90365	.CABLE - 4/20 GA SHEILED	A/R

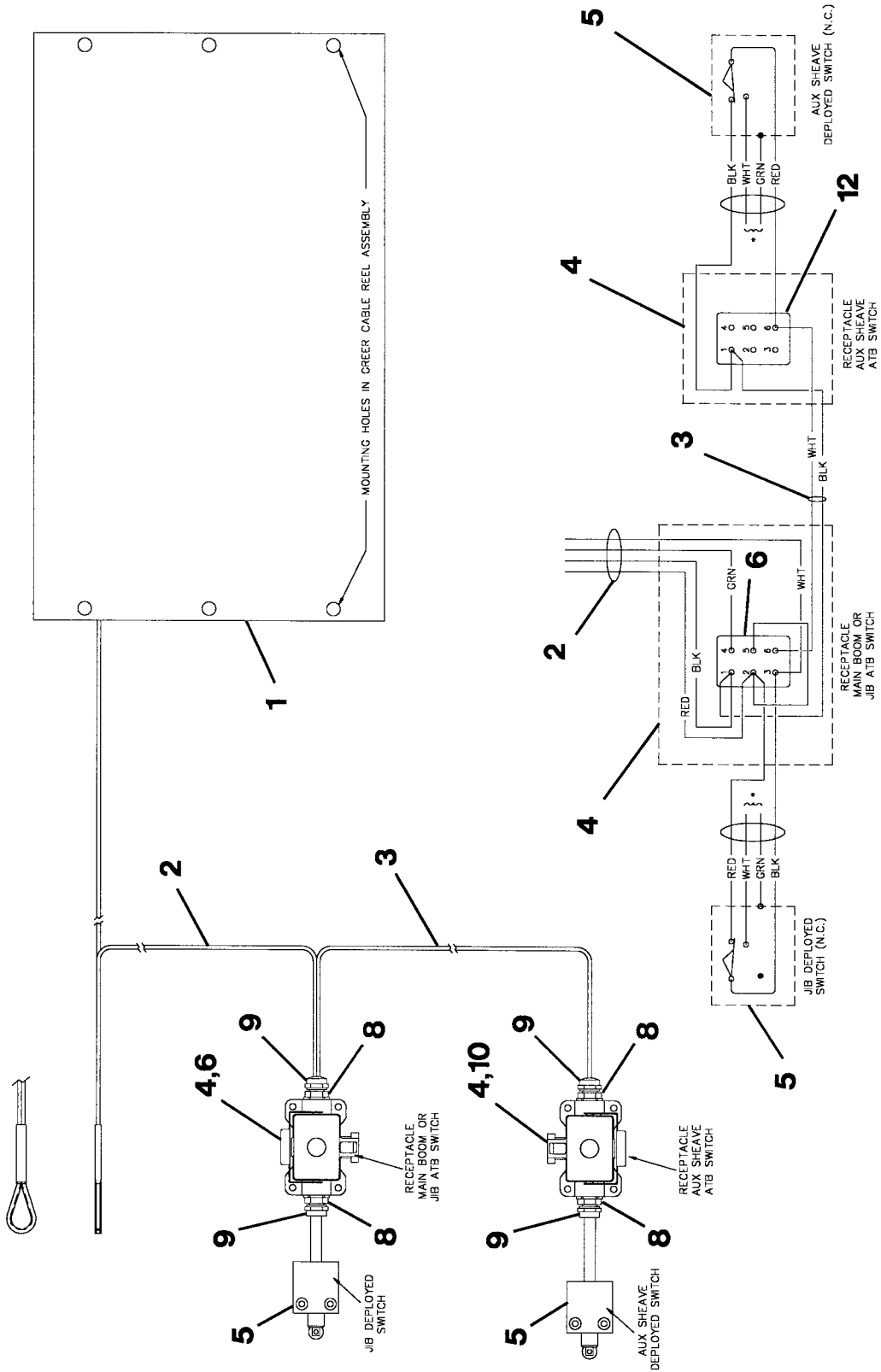
P-2605

ATB SWITCH ASSEMBLY - MAIN BOOM

861-90352

ATB/LMI CABLE REEL ASSEMBLY

3.2.2



861-90353

WIRING SCHEMATIC • WIRES NOT USED

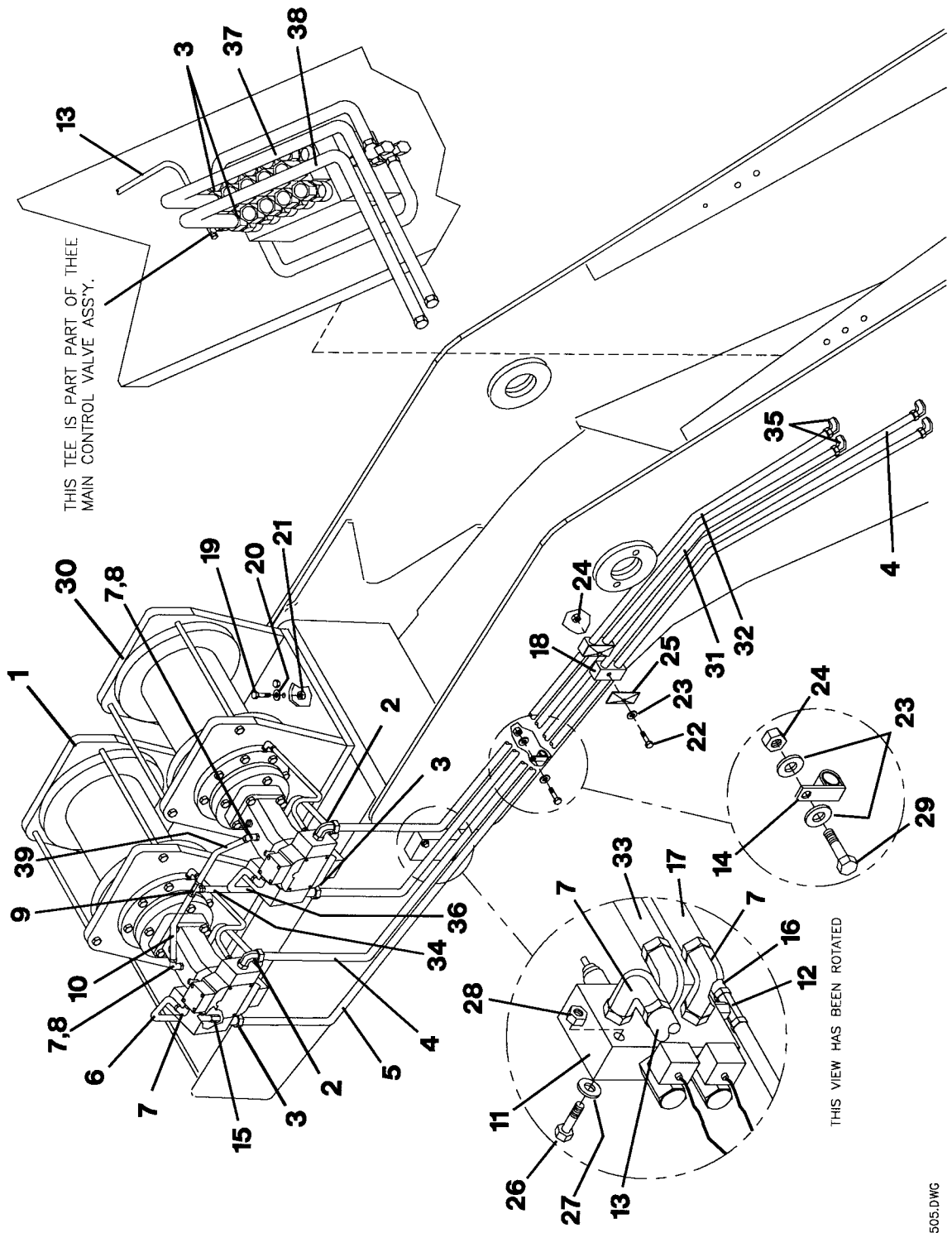
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-16055	.REEL - CABLE ASSEMBLY	1
		..THIMBLE	A/R
		..TUBING - HEAT SHRINK	A/R
2	861-90364	.CABLE - 4/20 GA SHIELDED	A/R
3	861-90365	.CABLE - 4/20 GA SHIELED	A/R
4	400-23339	.BASE - BOX MOUNTING	2
5	400-05189	.LIMIT SWITCH - ROLLER PLUNGER	2
6	400-23340	.INSERT - FEMALE	1
7	400-15055	.CONNECTOR - STRAIN RELIEF	1
8	400-23359	.ADAPTER - CONNECTOR	2
9	400-15084	.CONNECTOR - STRAIN RELIEF	1
10	400-23341	.INSERT - MALE	1
	P-2601		

ATB/LMI CABLE REEL ASSEMBLY

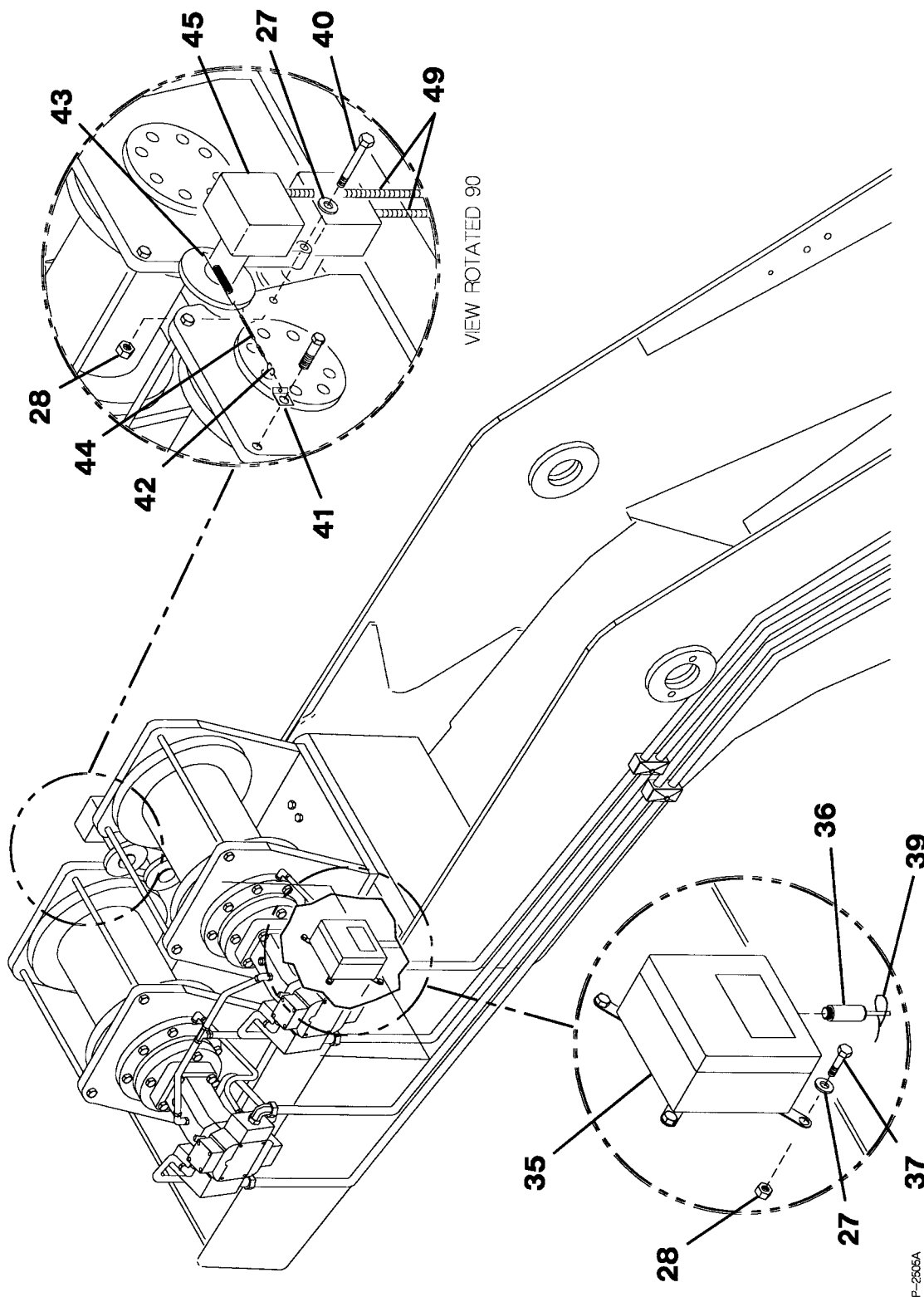
861-90353

WINCH INSTALL - MAIN & AUXILIARY

4.0



717-00012



717-00012

P-2605A

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	293-00008	.WINCH - MAIN ASSEMBLY	1
2	514-59024	.ELBOW - 90° #16 x #12	2
3	513-90035	.CONNECTOR #16 x #12	4
4	510-90347	.TUBE - WINCH LOWER ASSEMBLY-MAIN	1
5	510-90346	.TUBE - WINCH RAISE ASSEMBLY-MAIN	1
6	510-40415	.TUBE - WINCH CONTROL ASSEMBLY-UPPER	1
7	514-54004	.ELBOW - 90° #6 x #6	7
8	517-00083	.ADAPTER #10 x #6	2
9	516-44002	.TEE - UNION #6	1
10	510-40418	.TUBE - DRAIN ASSEMBLY-MAIN WINCH	1
11	559-00195	.VALVE - WINCH CONTROL ASSEMBLY	1
	551-10126	..COIL - SOLENOID	2
12	516-85006	.TEE - BRANCH #8 x #8	1
13	510-40410	.TUBE - VALVE SUPPLY ASSEMBLY	1
14	201-00171	.CLAMP - TUBE 3/8	1
15	518-35002	.UNION - BULKHEAD #6	3
16	510-40412	.TUBE - DRAIN ASSEMBLY-BULKHEAD/VALVE	1
17	510-40413	.TUBE - CONTROL ASSEMBLY-MAIN WINCH LOWER	1
18	201-00192	.CLAMP - TUBE DOUBLE 1	2
19	220-06034	.BOLT 5/8 x 2 1/4" LONG	16
20	222-06010	.WASHER - FLAT 5/8	16
21	221-96002	.NUT - TOPLOCK 5/8	16
22	220-01002	.BOLT 5/16 x 2 3/4" LONG	2
23	222-01001	.WASHER - FLAT 5/16	4
24	221-91001	.NUT - HEX TOPLOCK 5/16	3
25	201-00194	.COVER - PLATE-DOUBLE CLAMP	2
26	220-00005	.BOLT 1/4 x 2 1/2" LONG	2
27	222-00006	.WASHER - FLAT 1/4	10
28	221-90001	.NUT - HEX TOPLOCK 1/4	8
29	220-01003	.BOLT 5/16 x 1 1/4" LONG	1
30	293-00010	.WINCH - AUXILIARY ASSEMBLY	1
31	510-90348	.TUBE - WINCH RAISE ASSEMBLY-AUXILIARY OUTER	1
32	510-90349	.TUBE - WINCH LOWER ASSEMBLY-AUXILIARY OUTER	1
33	510-40411	.TUBE - AUXILIARY WINCH CONTROL ASSEMBLY-LOWER	1
34	510-40417	.TUBE - WINCH DRAIN ASSEMBLY-TEE	1
35	518-80009	.ELBOW - BULKHEAD #16	2
36	510-40419	.TUBE - AUXILIARY WINCH ASSEMBLY-UPPER	1
37	510-90352	.TUBE - WINCH LOWER ASSEMBLY-AUXILIARY INNER	1
38	510-90353	.TUBE - WINCH RAISE ASSEMBLY-AUXILIARY INNER	1
39	510-40416	.TUBE - DRAIN ASSEMBLY-AUXILIARY WINCH	1
40	220-00007	.BOLT 1/4 x 2" LONG	2
41	209-00731	.CLIP - SPRING RETAINER	2
42	209-00359	.HOOK - S	2
43	202-10066	.SPRING - TENSION	2
44	205-00005	.CHAIN - JACK TYPE	1'
45	400-16050	.HDR - ROTATION INDICATOR ASSEMBLY	2
46	400-16051	.HDR - JUNCTION BOX	1
47	400-01854	.HDR - CABLE ASSEMBLY	1
48	220-00001	.BOLT 1/4 x 1" LONG	4
49	400-01412	.LOOM - SPLIT	5'
50	400-15088	.TIE - CABLE	10

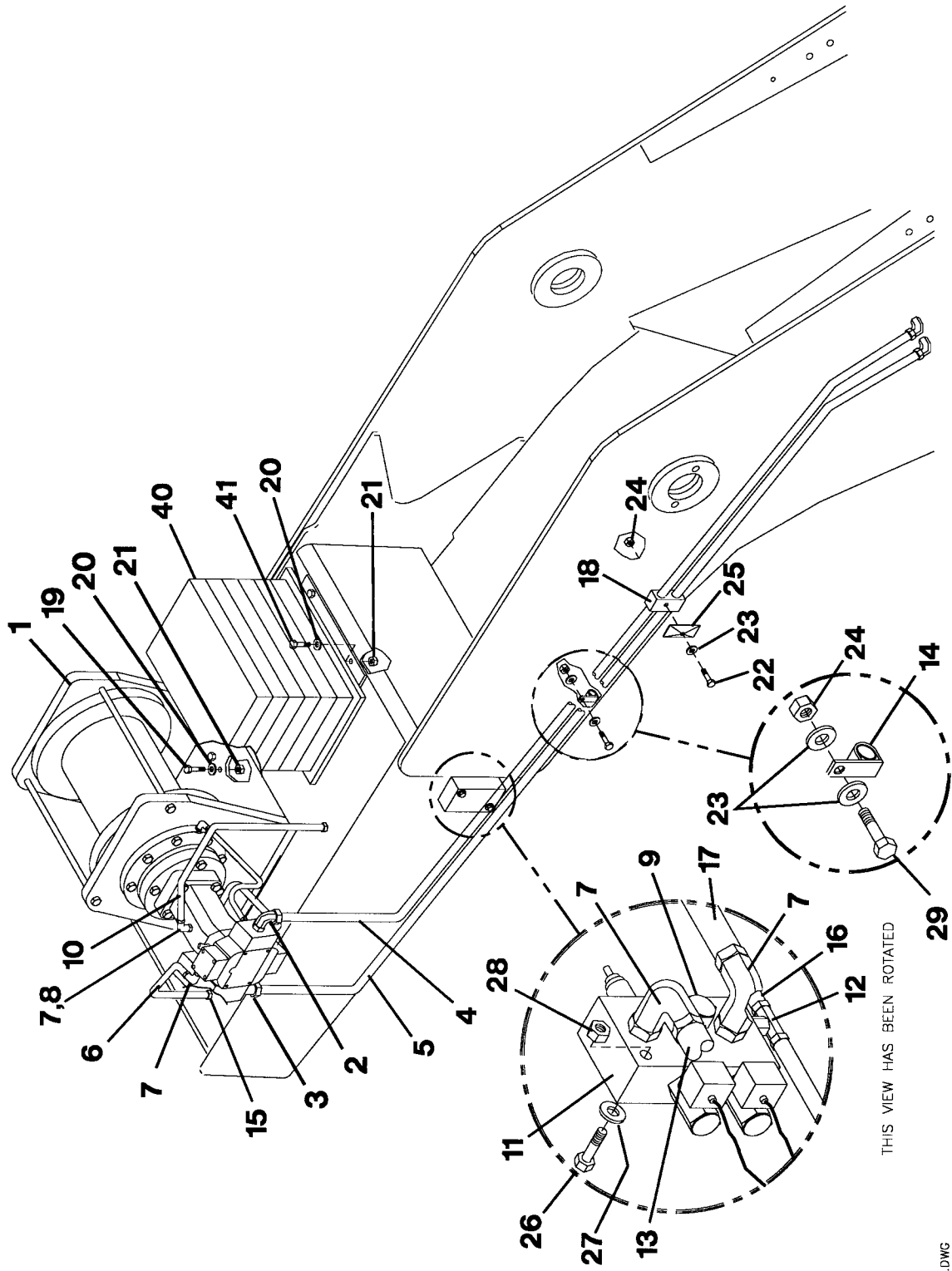
P-2505.D

717-00012

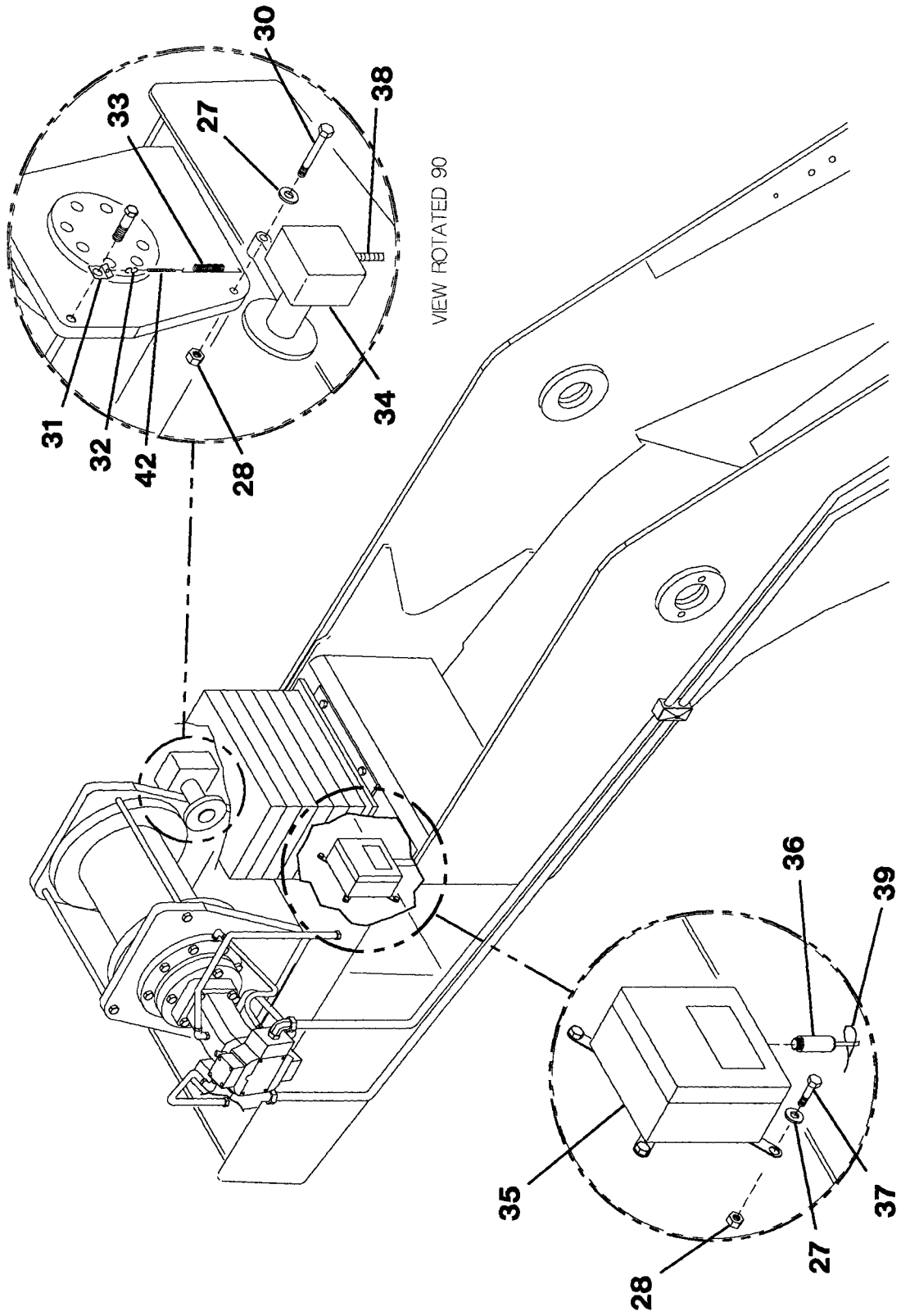
WINCH INSTALL - MAIN & AUXILIARY

WINCH INSTALL - MAIN

4.0



717-00011



P-2524DWG

717-00011

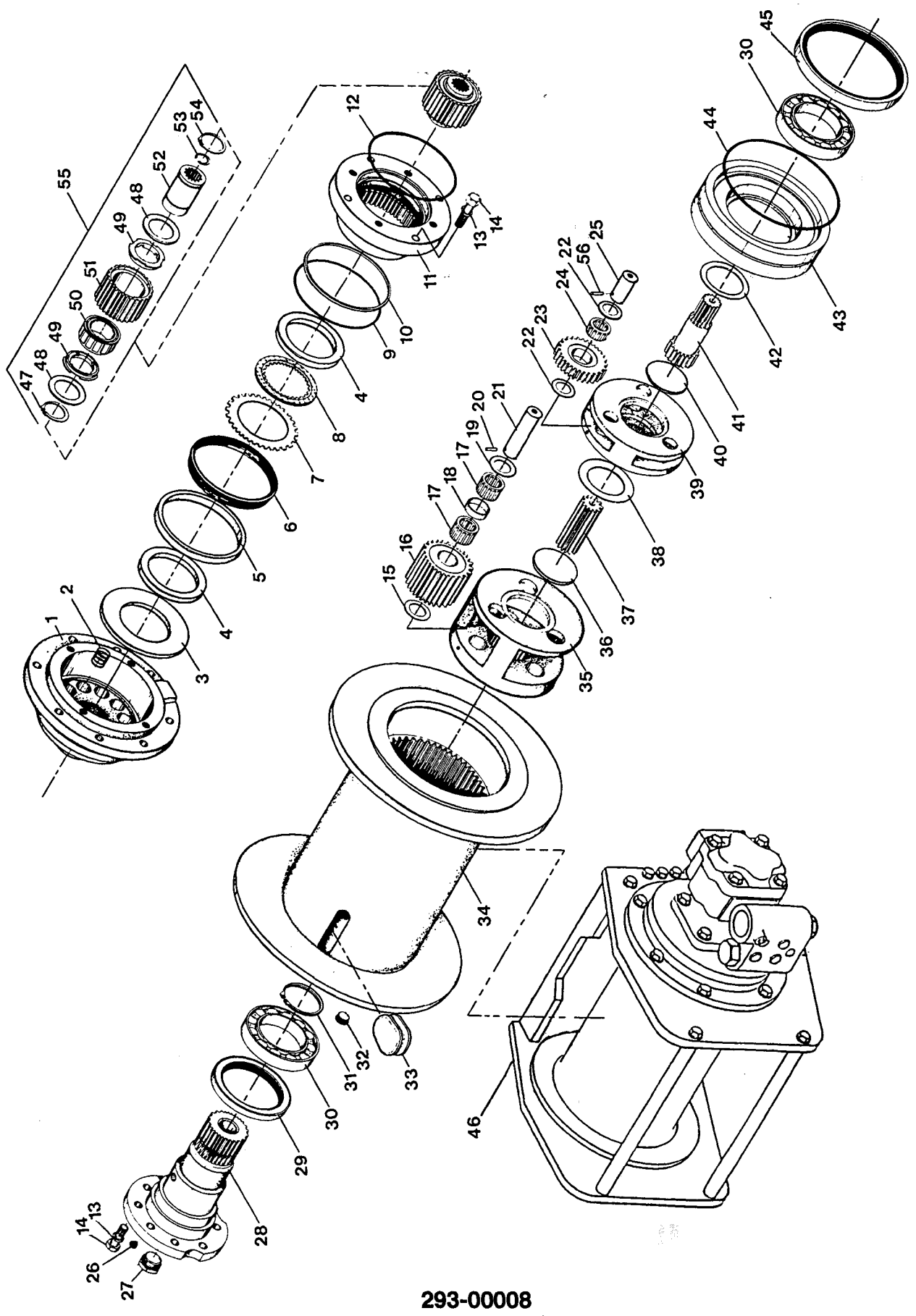
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	293-00008	.WINCH - MAIN ASSEMBLY	1
2	514-59024	.ELBOW - 90° #16 x #12	1
3	513-90035	.CONNECTOR #16 x #12	1
4	510-90347	.TUBE - WINCH LOWER ASSEMBLY-MAIN	1
5	510-90346	.TUBE - WINCH RAISE ASSEMBLY-MAIN	1
6	510-40415	.TUBE - WINCH CONTROL ASSEMBLY-UPPER	1
7	514-54004	.ELBOW - 90° #6 x #6	4
8	517-00083	.ADAPTER #10 x #6	1
9	517-30003	.PLUG - #6	1
10	510-40414	.TUBE - DRAIN ASSEMBLY	1
11	559-00195	.VALVE - WINCH CONTROL ASSEMBLY	1
	551-10126	..COIL - SOLENOID	1
12	516-85006	.TEE - BRANCH #8 x #8	1
13	510-40410	.TUBE - VALVE SUPPLY ASSEMBLY	1
14	201-00171	.CLAMP - TUBE 3/8	1
15	518-35002	.UNION - BULKHEAD #6	2
16	510-40412	.TUBE - DRAIN ASSEMBLY-BULKHEAD/VALVE	1
17	510-40413	.TUBE - CONTROL ASSEMBLY-MAIN WINCH LOWER	1
18	201-00192	.CLAMP - TUBE DOUBLE 1	1
19	220-06034	.BOLT 5/8 x 2 1/4" LONG	8
20	222-06010	.WASHER - FLAT 5/8	12
21	221-96002	.NUT - TOPLOCK 5/8	12
22	220-01002	.BOLT 5/16 x 2 3/4" LONG	1
23	222-01001	.WASHER - FLAT 5/16	3
24	221-91001	.NUT - HEX TOPLOCK 5/16	2
25	201-00194	.COVER - PLATE-DOUBLE CLAMP	1
26	220-00005	.BOLT 1/4 x 2 1/2" LONG	2
27	222-00006	.WASHER - FLAT 1/4	8
28	221-90001	.NUT - HEX TOPLOCK 1/4	7
29	220-01003	.BOLT 5/16 x 1 1/4" LONG	1
30	220-00007	.BOLT 1/4 x 2" LONG	1
31	209-00731	.CLIP - SPRING RETAINER	1
32	209-00359	.HOOK - S	1
33	202-10066	.SPRING - TENSION	1
34	400-16050	.HDR - ROTATION INDICATOR ASSEMBLY	1
35	400-16051	.HDR - JUNCTION BOX	1
36	400-01854	.HDR - CABLE ASSEMBLY	1
37	220-00001	.BOLT 1/4 x 1" LONG	4
38	400-01412	.LOOM - SPLIT	3'
39	400-15088	.TIE - CABLE	10
40	709-01537	.COUNTERWEIGHT WELDMENT	1
41	220-06010	.BOLT 5/8 x 1 3/4" LONG	4
42	205-00005	.CHAIN - JACK TYPE	.5'

P-2524

717-00011

WINCH INSTALL - MAIN

MAIN WINCH GEARBOX ASSEMBLY



293-00008

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	058-00428	.CYLINDER - BRAKE	1
2	058-00431	.SPRING	12
3	058-00430	.PLATE - PRESSURE	1
4	058-00433	.SPACER	2
5	058-00432	.RING - PISTON BACK-UP	1
6	058-00429	.SEAL - PISTON	1
7	058-00342	.BRAKE - DISC	8
8	058-00343	.FRICTION - DISC	7
9	058-00434	.O-RING	1
10	058-00435	.RING - BACK-UP	1
11	058-00539	.SUPPORT - MOTOR	1
12	058-00540	.O-RING	1
13	058-00034	.WASHER - LOCK	14
14	058-00568	.SCREW - CAP	4
15	058-00539	.SUPPORT - MOTOR	6
16	059-00058	.GEAR - OUTPUT PLANETARY	3
17	058-00405	.BEARING - ROLLER	6
18	058-00406	.SPACER - BEARING	3
19	058-00407	.WASHER - THRUST	6
20	058-00399	.PIN - SPIROL	3
21	058-00404	.SHAFT - OUTPUT PLANET GEAR	3
22	058-00398	.RACE - BEARING	6
23	058-00585	.GEAR - PRIMARY PLANETARY	3
24	058-00397	.BEARING - ROLLER	3
25	058-00396	.SHAFT - PRIMARY PLANETARY GEAR	3
26	058-00608	.PLUG - VENT	1
27	058-00595	.PLUG - HEX HEAD	1
28	058-00580	.SUPPORT - BEARING	1
29	058-00420	.O-SEAL	1
30	058-00413	.BEARING - BALL	2
31	058-00423	.RING - RETAINING	1
32	058-00426	.PLUG - FLUSH	1
33	058-00439	.CLAMP - WIRE ROPE	1
34	058-00581	.DRUM - CABLE	1
35	058-00402	.CARRIER - OUTPUT PLANETARY	1
36	058-00403	.SCREW - OUTPUT	1
37	058-00521	.GEAR - SUN OUTPUT	1
38	058-00611	.WASHER - THRUST	1
39	058-00584	.CARRIER - PRIMARY PLANET	1
40	058-00542	.PLATE - PRIMARY THRUST	1
41	058-00416	.GEAR - PRIMARY SUN	1
42	058-00610	.WASHER - THRUST	1
43	058-00582	.CLOSURE - CABLE DRUM	1
44	058-00421	.O-RING	1
45	058-00422	.SEAL - OIL	1
46	058-00626	.SIDEPLATE - MOTOR SIDE	1
	058-00625	.SIDEPLATE - SUPPORT SIDE	1
47	058-00390	.RING - RETAINING	2
48	058-00389	.BEARING - THRUST	2
49	058-00609	.BEARING - SPRAG	2
50	058-00385	.CLUTCH - SPRAG	1
51	058-00574	.BRAKE - RACE-OUTER	1

293-00008

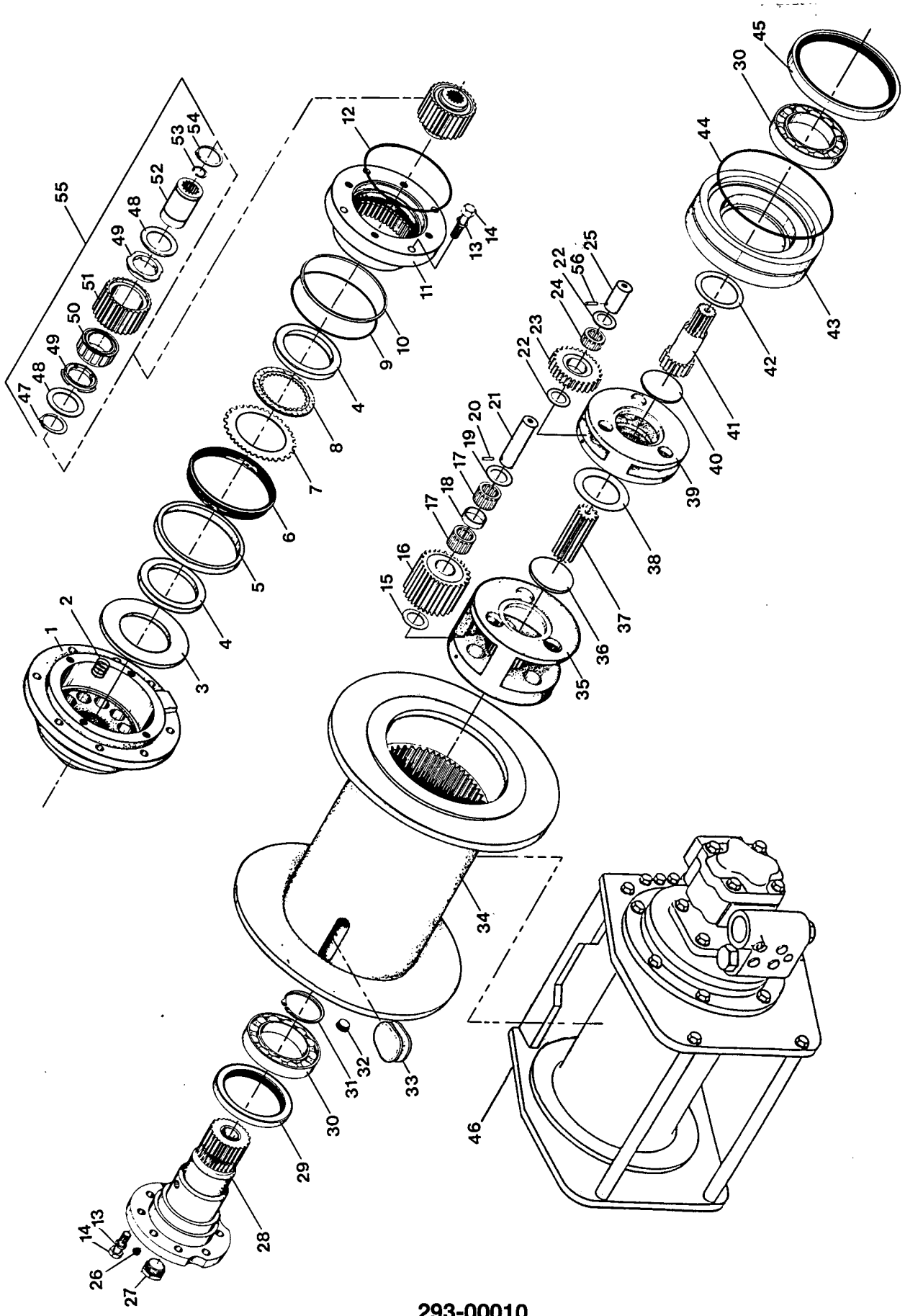
52	058-00575	.BRAKE - RACE-INNER	1
53	058-00391	.RING - RETAINING	1
54	058-00390	.RING - RETAINING	2
55	058-00597	.BRAKE - SPRAG ASSEMBLY	1
56	058-00627	.PIN - SPIROL	3
*57	530-20144	.MOTOR - HYDRAULIC PD15	1
	P-2712		
	*ITEM NOT SHOWN		

MAIN WINCH GEARBOX ASSEMBLY

293-00008

4.0.1

AUXILIARY WINCH GEARBOX ASSEMBLY



293-00010

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	058-00428	.CYLINDER - BRAKE	1
2	058-00431	.SPRING	12
3	058-00430	.PLATE - PRESSURE	1
4	058-00433	.SPACER	2
5	058-00432	.RING - PISTON BACK-UP	1
6	058-00429	.SEAL - PISTON	1
7	058-00342	.BRAKE - DISC	8
8	058-00343	.FRICTION - DISC	7
9	058-00434	.O-RING	1
10	058-00435	.RING - BACK-UP	1
11	058-00622	.SUPPORT - MOTOR	1
12	058-00540	.O-RING	1
13	058-00623	.WASHER - LOCK	4
14	058-00624	.SCREW - CAP	4
15	058-00539	.SUPPORT - MOTOR	6
16	059-00058	.GEAR - OUTPUT PLANETARY	3
17	058-00405	.BEARING - ROLLER	6
18	058-00406	.SPACER - BEARING	3
19	058-00407	.WASHER - THRUST	6
20	058-00616	.PIN - SPIROL	3
21	058-00404	.SHAFT - OUTPUT PLANETARY GEAR	3
22	058-00398	.RACE - BEARING	6
23	058-00613	.GEAR - PRIMARY PLANETARY	3
24	058-00397	.BEARING - ROLLER	3
25	058-00396	.SHAFT - PRIMARY PLANETARY GEAR	3
26	058-00608	.PLUG - VENT	1
27	058-00595	.PLUG - HEX HEAD	1
28	058-00580	.SUPPORT - BEARING	1
29	058-00420	.O-SEAL	1
30	058-00413	.BEARING - BALL	2
31	058-00423	.RING - RETAINING	1
32	058-00426	.PLUG - FLUSH	1
33	058-00439	.CLAMP - WIRE ROPE	1
34	058-00617	.DRUM - CABLE	1
35	058-00614	.CARRIER - OUTPUT PLANETARY	1
36	058-00403	.SCREW - OUTPUT	1
37	058-00619	.GEAR - OUTPUT SUN	1
38	058-00611	.WASHER - THRUST	1
39	058-00612	.CARRIER - PRIMARY PLANETARY	1
40	058-00542	.PLATE - PRIMARY THRUST	1
41	058-00620	.GEAR - PRIMARY SUN	1
42	058-00610	.WASHER - THRUST	1
43	058-00618	.CLOSURE - CABLE DRUM	1
44	058-00621	.O-RING	1
45	058-00422	.SEAL - OIL	1
46	058-00626	.SIDEPLATE - MOTOR SIDE	1
	058-00625	.SIDEPLATE - SUPPORT SIDE	1
47	058-00390	.RING - RETAINING	2
48	058-00389	.BEARING - THRUST	2
49	058-00609	.BEARING - SPRAG	2
50	058-00385	.CLUTCH - SPRAG	1
51	058-00574	.BRAKE - RACE-OUTER	1

293-00010

52	058-00575	.BRAKE - RACE-INNER	1
53	058-00391	.RING - RETAINING	1
54	058-00390	.RING - RETAINING	2
55	058-00597	.BRAKE - SPRAG ASSEMBLY	1
56	058-00627	.PIN - SPIROL	3
*57	530-20145	.MOTOR - HYDRAULIC PD12	1

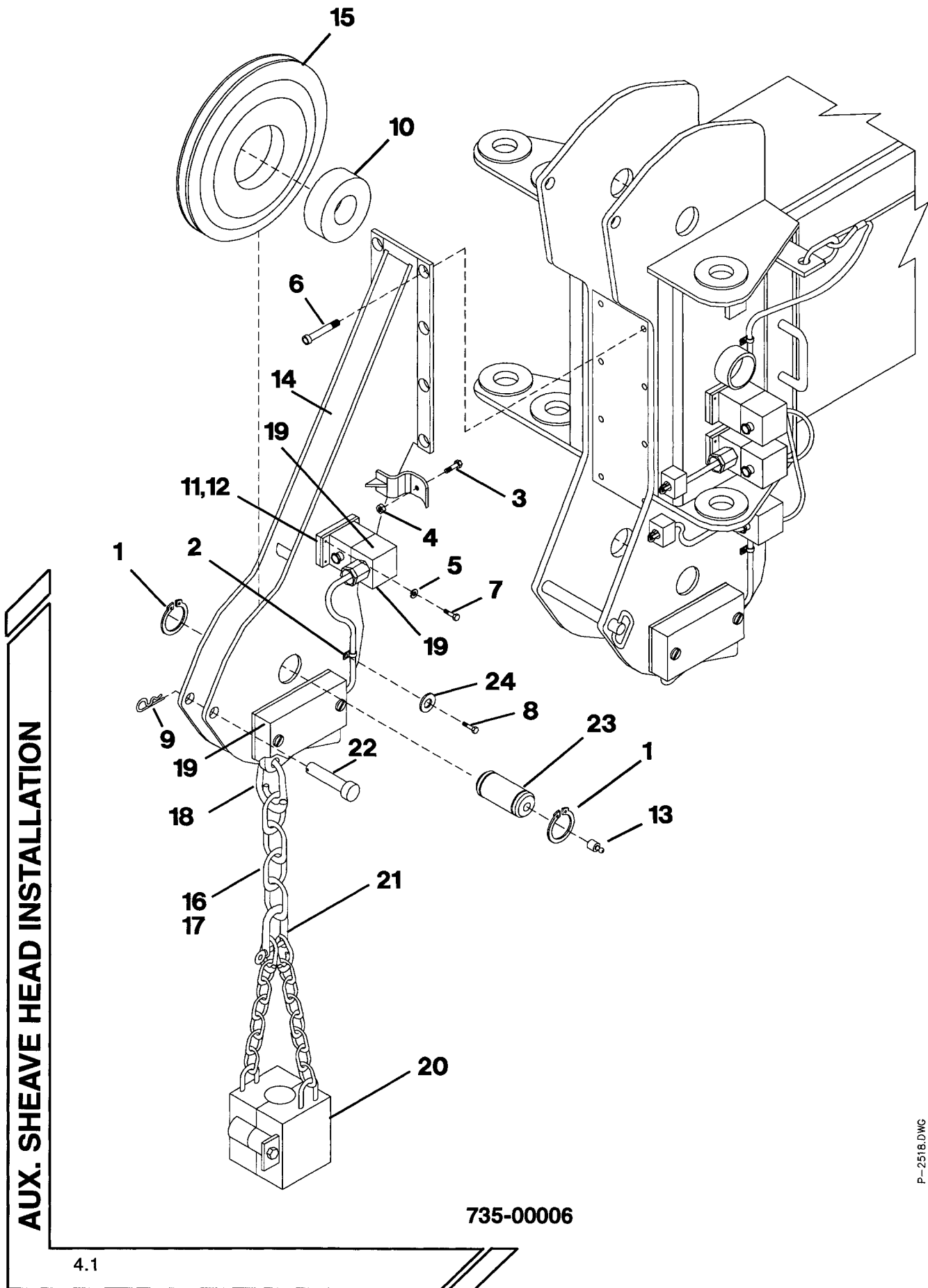
P-2713

*ITEM NOT SHOWN

AUXILIARY WINCH GEARBOX ASSEMBLY

293-00010

4.0.1



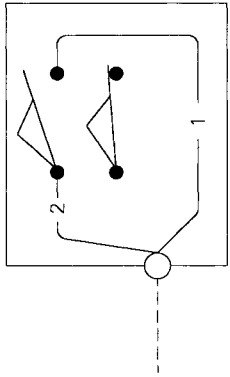
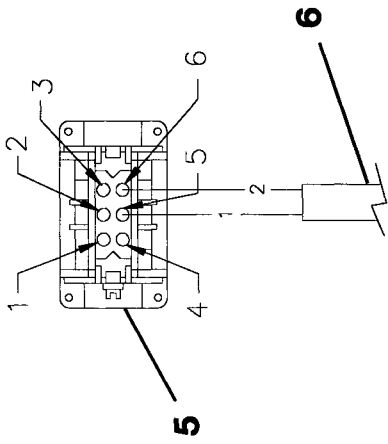
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	200-30006	.RING - RETAINING	2
2	201-00086	.CLAMP	1
3	220-02007	.BOLT 3/8 X 1 3/4" LONG	1
4	221-02001	.NUT - HEX 3/8	1
5	222-10006	.WASHER - LOCK MEDIUM #10	4
6	223-04047	.SCREW - MACHINE FLAT SOCKET HEAD 1/2 x 3" LONG	8
7	223-04001	.SCREW - MACHINE HEX HEAD #10 x 1/2" LONG	4
8	223-15217	.SCREW - HEX HEAD MACHINE 5/16 x 1/2" LONG	1
9	224-02006	.HAIRPIN	1
10	274-30006	.BEARING - ROLLER-INNER RACE	1
11	400-23338	.PANEL - MOUNTING BASE-6 POSITION	1
12	400-23341	.INSERT - MALE 6 POSITION	1
13	501-03001	.FITTING - ZERK	1
14	730-40004	.SHEAVE - AUXILIARY HEAD WELDMENT	1
15	860-70008	.SHEAVE 5/8 ROPE ASSEMBLY	1
16	861-90190	.CHAIN - 2-BLOCK-LONG	1
17	861-90191	.CHAIN - 2-BLOCK-SHORT	2
18	861-90228	.SHACKLE - CHAIN	3
19	861-90356	.SWITCH - ATB ASSEMBLY-AUXILIARY SHEAVE	1
20	861-90357	.WEIGHT - ATB	1
21	861-90358	.END - OPEN LINK 1/4	1
22	870-10174	.PIN - CLEVIS 3/4 x 2 3/4" LONG	1
23	870-60213	.PIN - SHEAVE	1
24	222-11002	.LOCKWASHER - #10	1
	P-2518.D		

AUX. SHEAVE HEAD INSTALLATION

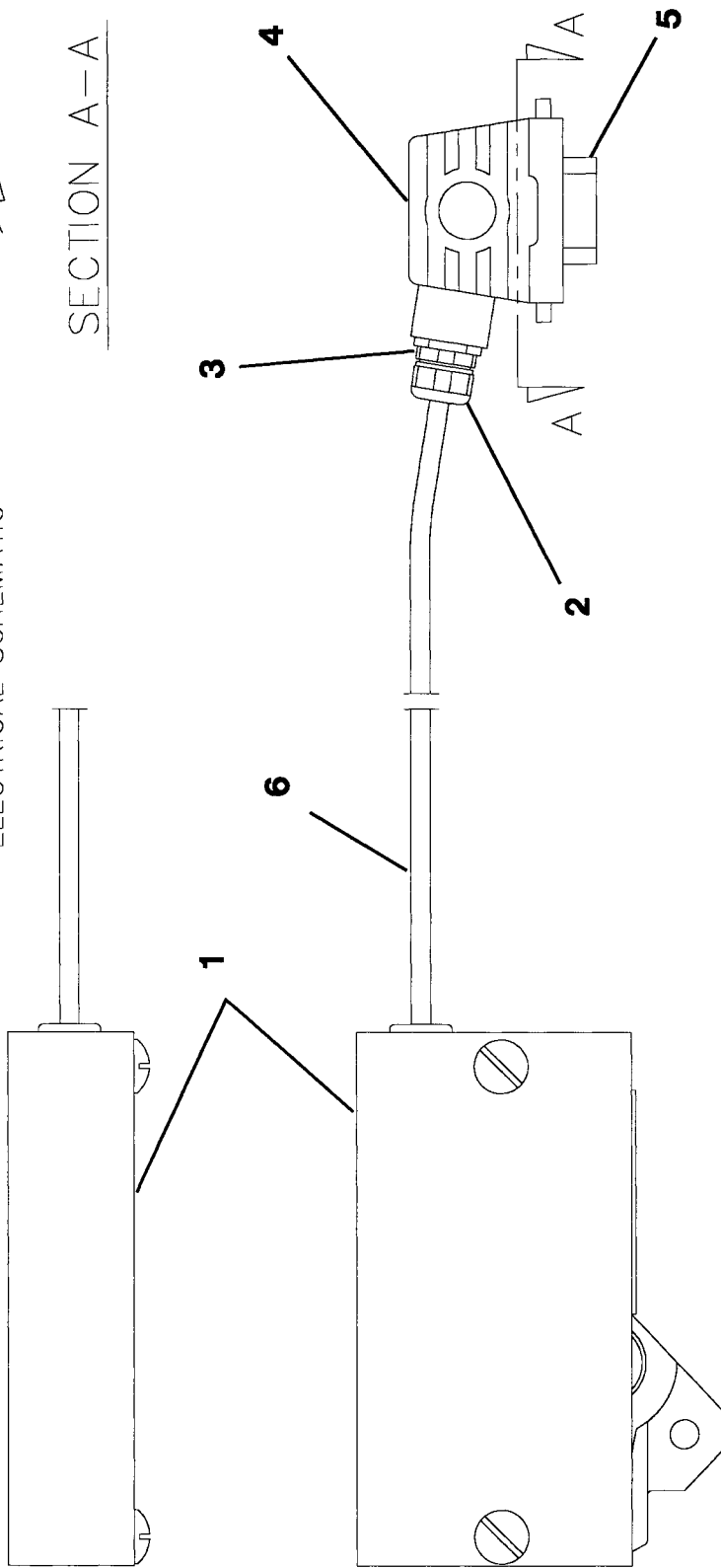
735-00006

ATB SWITCH ASSEMBLY - AUX SHEAVE

4.1.1



ATB SWITCH
ELECTRICAL SCHEMATIC



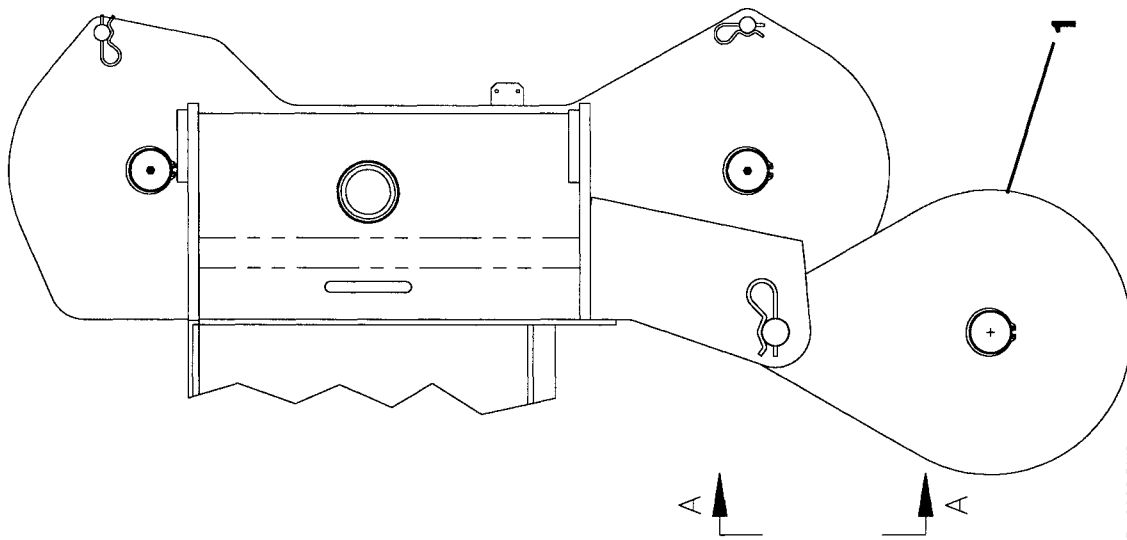
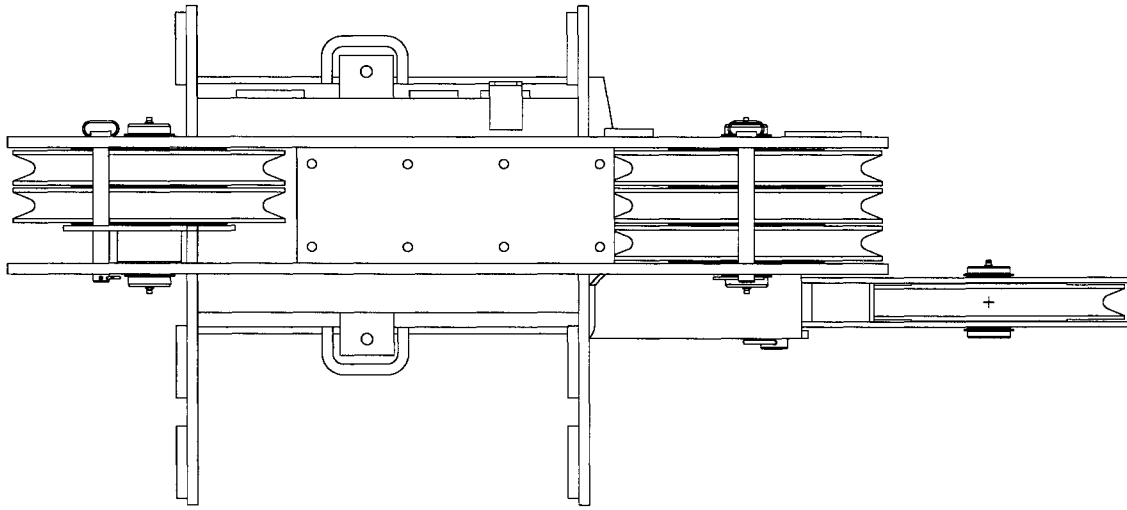
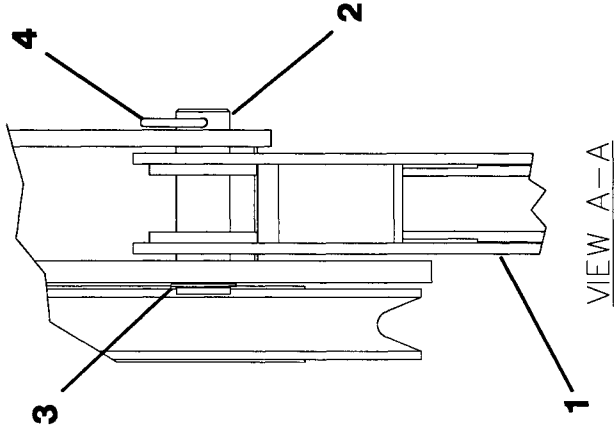
SECTION A-A

861-90356

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-01837	.SWITCH - ATB	1
	400-15571	..COVER - ATB SWITCH	1
2	400-15055	.CONNECTOR - STRAIN RELIEF	1
3	400-23342	.CONNECTOR - ADAPTER	1
4	400-23335	.HOOD - LATERAL ENTRY	1
5	400-23340	.INSERT - FEMALE	1
6	861-90165	.CABLE - 4/20 GA SHEILED	A/R
	P-2604		

ATB SWITCH ASSEMBLY - AUX SHEAVE

861-90356



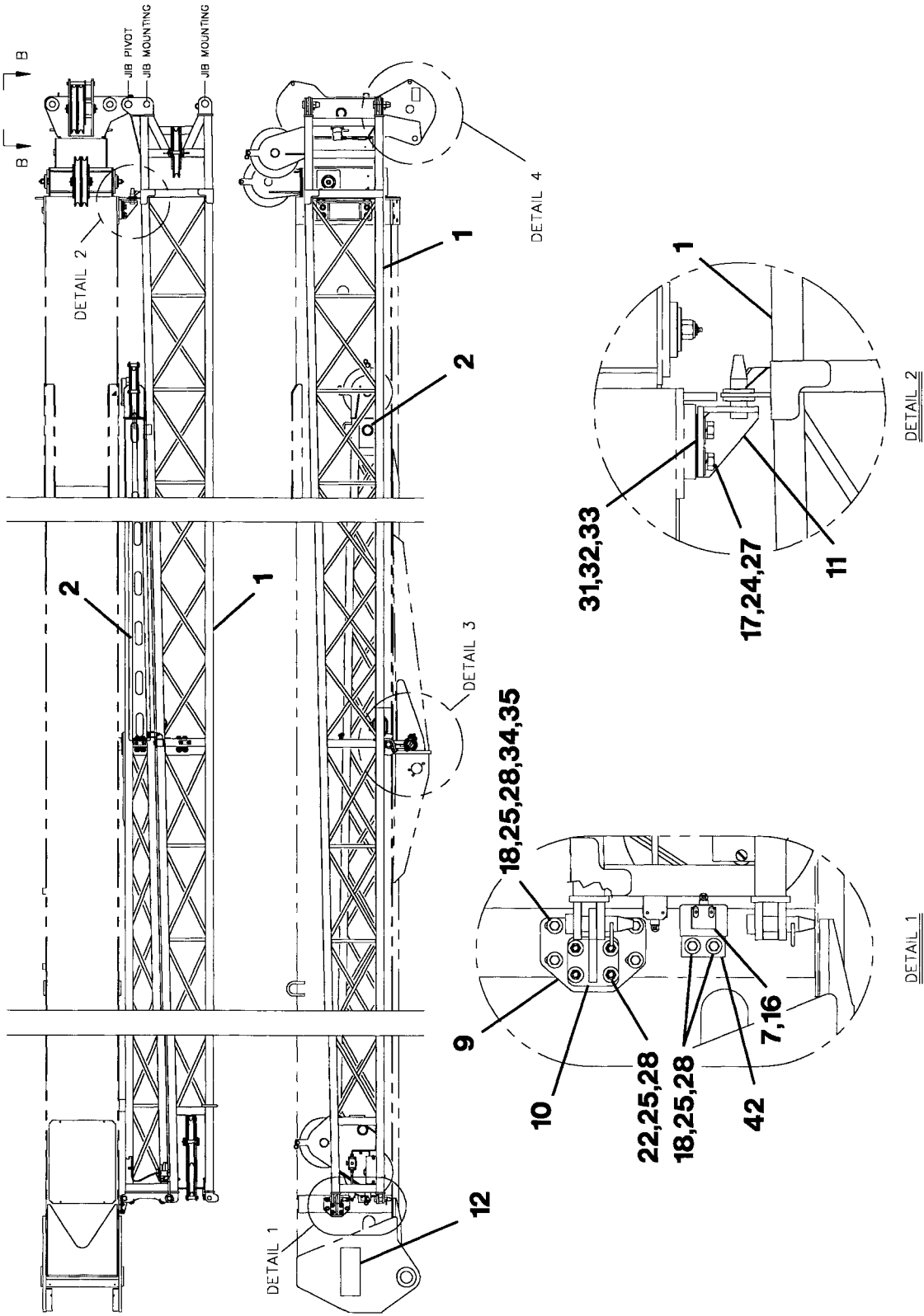
AUXILIARY SHEAVE INSTALLATION

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	861-90362	.AUXILIARY SHEAVE BLOCK ASSEMBLY	1
2	870-30213	.PIN - 1 1/4	REF
3	200-10013	.RING - RETAINING	REF
4	224-04002	.HAIRPIN - 3/16	REF
	P-2606		

AUXILIARY SHEAVE INSTALLATION

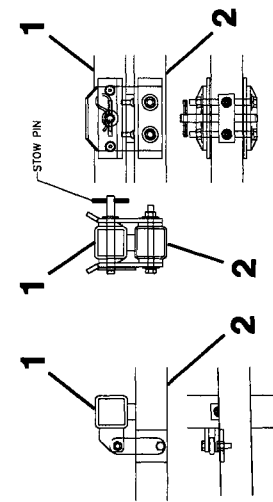
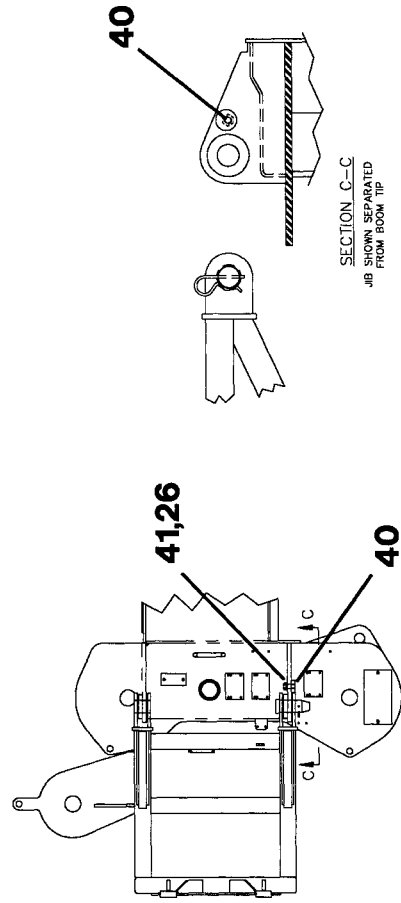
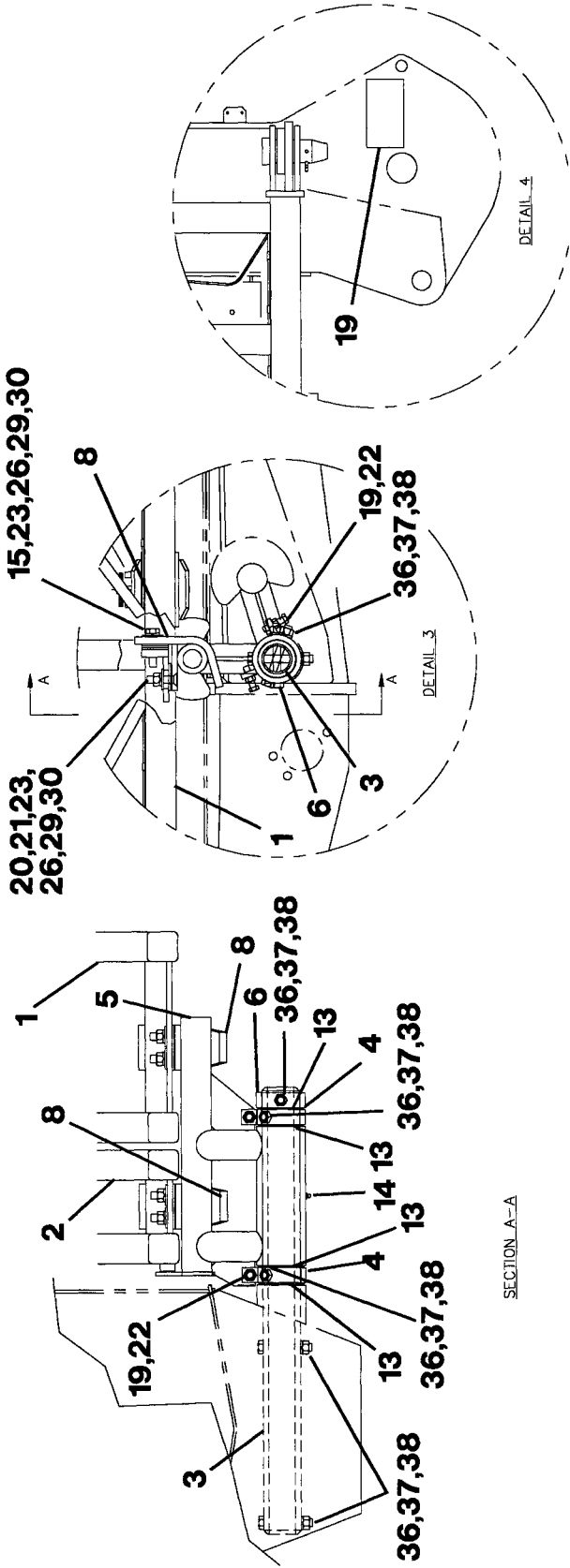
LATTICE JIB INSTALLATION

5.0



730-50250

LATTICE JIB INSTALLATION



VIEW B-B
JIB SHOWN IN
OPERATING POSITION

730-50250

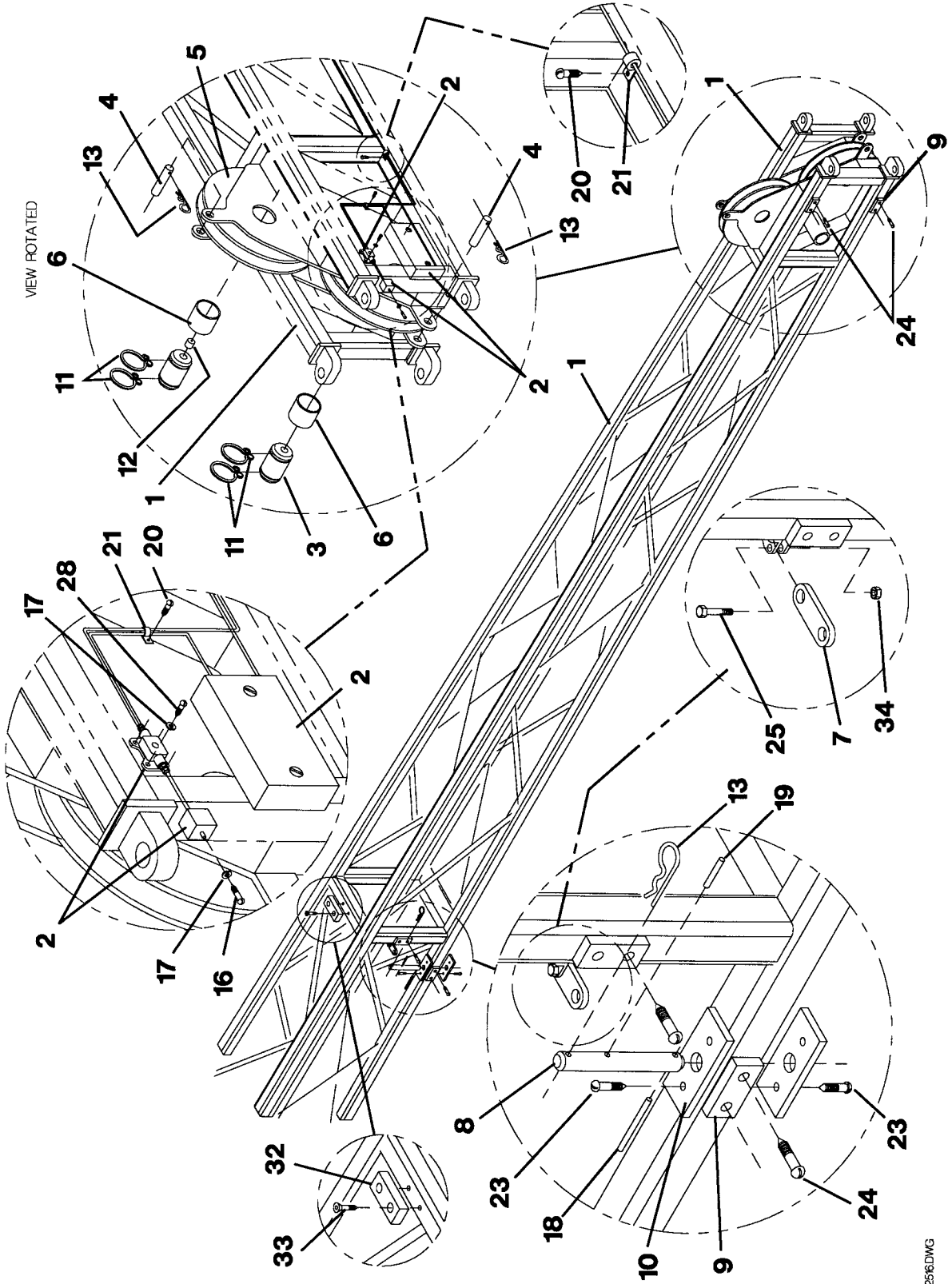
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	730-50246	.BASE - LATTICE JIB ASSEMBLY	1
2	730-50247	.FLY - LATTICE JIB ASSEMBLY	1
3	031-40234	.TUBE - PIVOT	1
4	730-90275	.SECTOR WELDMENT	2
5	770-02116	.BRACKET - PIVOTING JIB STOW	1
6	031-50044	.COLLAR - REATINING	1
7	400-00958	.SWITCH - JIB STOWED ASSEMBLY	1
	400-05189	..SWITCH - LIMIT-ROLLER	1
8	770-02099	.BRACKET - CATCH WELDMENT	2
9	730-90274	.PLATE - MOUNTING WELDMENT	1
10	770-02118	.BRACKET - REAR JIB STOW	1
11	770-02203	.BRACKET - TIP JIB STOW	2
12	652-00377	.PLACARD - JIB STOW PROCEDURE	1
13	222-29018	.BUSHING - 3 1/4 x 2 1/2	8
14	501-03001	.FITTING - LUBE	1
15	220-04011	.BOLT 1/2 x2 1/4" LONG	4
16	220-30014	.BOLT #10 x 1 1/4" LONG	2
17	220-06016	.BOLT 5/8 x 1 1/2" LONG	4
18	220-02004	.BOLT 3/8 x 1" LONG	6
19	220-02006	.BOLT 3/8 x 1 1/2" LONG	4
20	223-00608	.SCREW - MACHINE 1/2 x 2" LONG	4
21	221-04001	.NUT - HEX 1/2	4
22	221-02001	.NUT - HEX 3/8	8
23	222-04001	.WASHER - FLAT 1/2	8
24	222-06006	.WASHER - FLAT 5/8	4
25	222-02005	.WASHER - FLAT 3/8	14
26	222-14003	.WASHER - LOCK 1/2	9
27	222-16003	.WASHER - LOCK 5/8	4
28	222-12001	.WASHER - LOCK 3/8	14
29	787-00290	.SHIM - .125THICK	A/R
30	787-00289	.SHIM - .063 THICK	A/R
31	787-00228	.SHIM - .100 THICK	A/R
32	787-00227	.SHIM - .063 THICK	A/R
33	787-00226	.SHIM - .040 THICK	A/R
34	787-00292	.SHIM - .125 THICK	A/R
35	787-00291	.SHIM - .063 THICK	A/R
36	220-03012	.BOLT 7/16 x 4" LONG	5
37	221-93001	.NUT - LOCK 7/16	5
38	222-03002	.WASHER - FLAT 7/16	5
39	651-00203	.PLACARD - WARNING REMOVE JIB	2

P-2525

730-50250

LATTICE JIB INSTALLATION

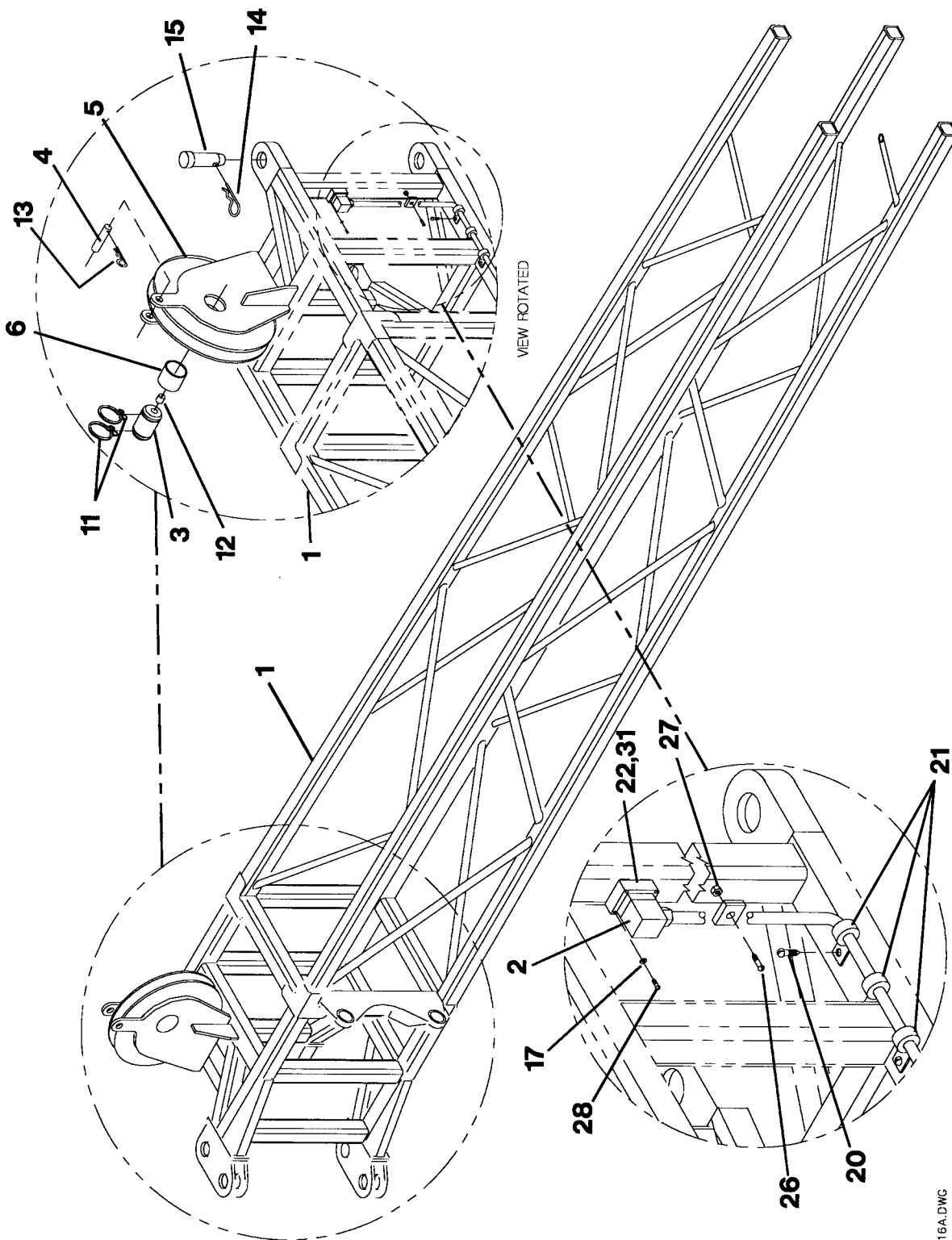
BASE JIB ASSEMBLY - LATTICE



730-50246

P-256DMG

BASE JIB ASSEMBLY - LATTICE



P-2516A.DWG

730-50246

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	730-51286	.JIB - BASE WELDMENT	1
2	861-90351	.SWITCH - ATB ASSEMBLY-JIB BASE (SEE 5.1.1)	1
3	870-60215	.PIN - 2" JIB SHEAVE	3
4	870-10174	.PIN - CLEVIS 3/4 x 2 3/4" LONG	3
5	860-70008	.SHEAVE ASSEMBLY 5/8 ROPE	3
6	274-30006	.BEARING - INNER RACE	3
7	789-04613	.PLATE - JIB STOW LATCH	1
8	870-00143	.PIN - 2ND STAGE STOW	1
9	729-02558	.PAD - JIB BUMPER	2
10	729-02559	.PAD - JIB RAMP	2
11	200-30006	.RING - RETAINING	6
12	501-03001	.FITTING - LUBE 1/4	3
13	224-02006	.HAIRPIN .120	3
14	224-04002	.HAIRPIN .178	4
15	870-40169	.PIN 1 1/2	4
16	220-30019	.SCREW - SLOT HEAD MACHINE #10 x 3/4" LONG	2
17	222-10006	.WASHER - LOCK #10	17
18	224-16003	.PIN - ROLL 1/4 x 2 1/4" LONG	1
19	224-12009	.PIN - ROLL PIN - ROLL 1/8 x 1" LONG	1
20	223-15219	.SCREW 1/4 x 1/2" LONG	15
21	201-00141	.CLAMP	15
22	400-23338	.BOX & GASKET PANEL MOUNTING	1
23	223-00204	.SCREW 1/4 x 1/2" LONG	4
24	223-00205	.SCREW 1/4 x 3/4" LONG	4
25	220-01003	.BOLT 5/16 x 1 1/4" LONG	1
26	220-02048	.SCREW - HEX HEAD CAP 3/8 x 1 1/4" LONG	1
27	221-02001	.NUT - HEX 3/8	1
28	223-04001	.SCREW - HEX HEAD MACHINE #10 x 1/2" LONG	8
*29	651-00196	.PLACARD - LANYARD ATTACH	2
*30	651-00302	.PLACARD - PERSONNEL ATTACH	2
31	400-23340	.INSERT - FEMALE-6 POSITION	1
32	729-02170	.WEAR PAD	1
33	223-00303	.SCREW - 5/16 x 7/8" LONG	2
34	221-91001	.NUT - LOCK 5/16	1

P-2516.D

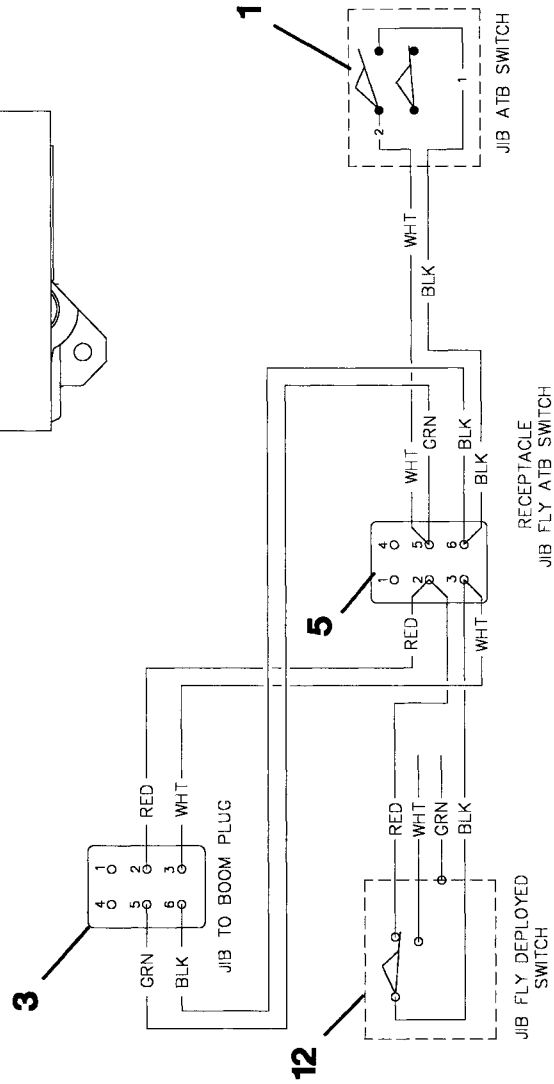
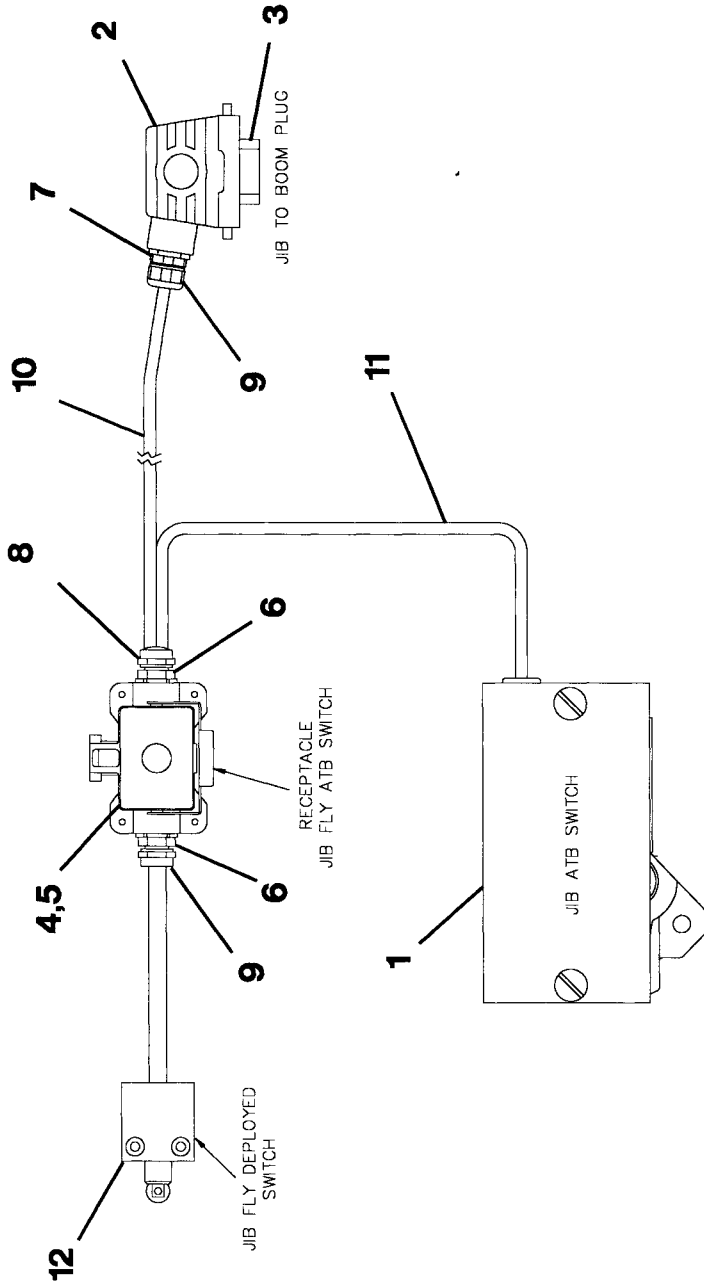
*ITEMS NOT SHOWN

BASE JIB ASSEMBLY - LATTICE

730-50246

ATB SWITCH ASSEMBLY - JIB BASE

5.1.1



P-2602.DWG

861-90351

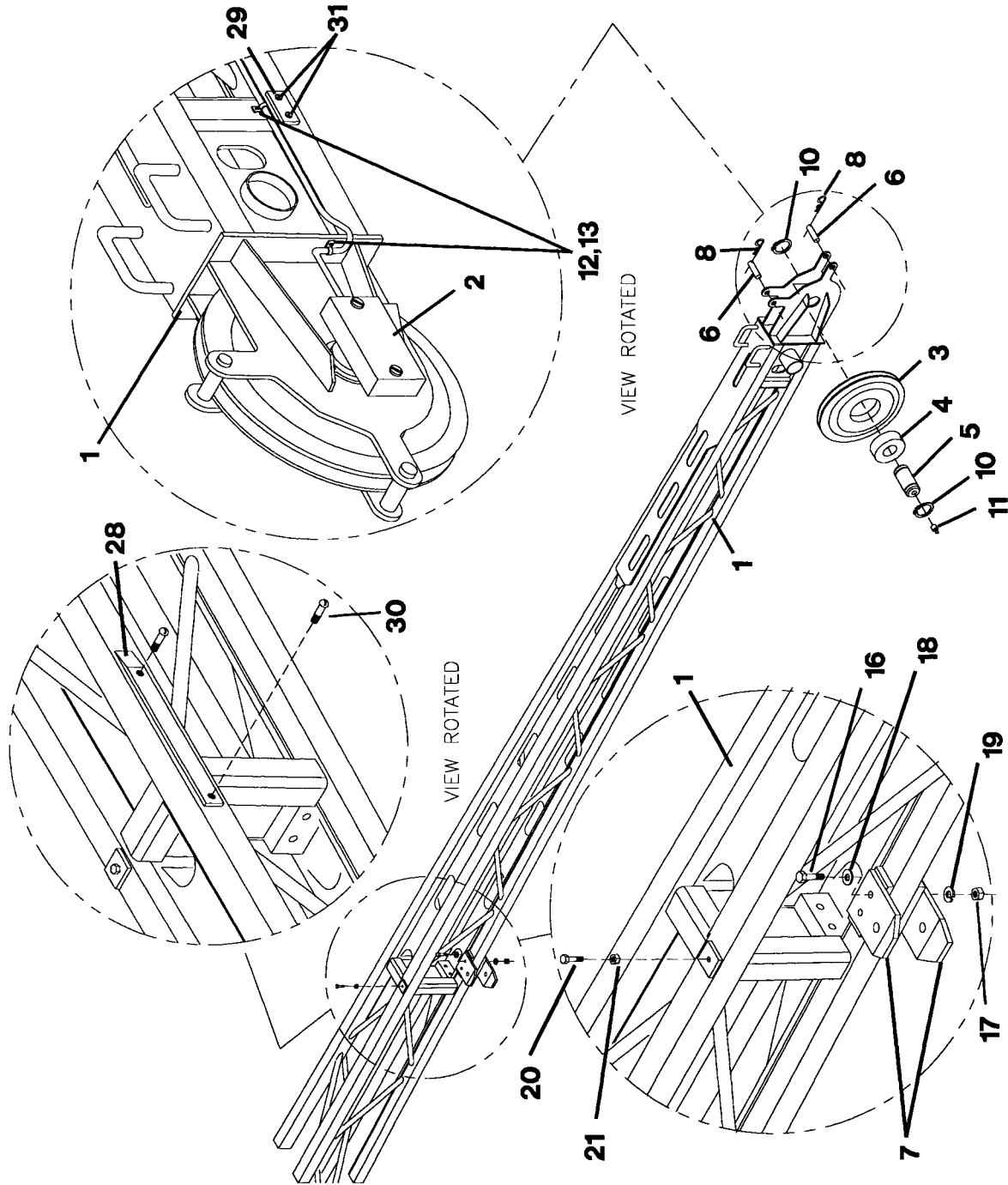
WIRING SCHEMATIC

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-01837	.SWITCH - ATB	1
	400-15571	..COVER - ATB SWITCH	1
2	400-23335	.HOOD - LATERIAL ENTRY	1
3	400-23341	.INSERT - MALE	1
4	400-23339	.BASE - MOUNTING BOX	1
5	400-23340	.INSERT - FEMALE	1
6	400-23342	.ADAPTER - CONNECTOR	3
7	400-15066	.CONNECTOR - STRAIN RELIEF	1
8	400-15064	.CONNECTOR - STRAIN RELIEF	1
9	400-15084	.CONNECTOR - STRAIN RELIEF	1
10	861-90364	.CABLE - 4/20 GA. SHIELED	A/R
11	861-90365	.CABLE - 4/20 GA. SHIELED	A/R
12	400-05189	.SWITCH - LIMIT	1
	P-2602		

ATB SWITCH ASSEMBLY - JIB BASE

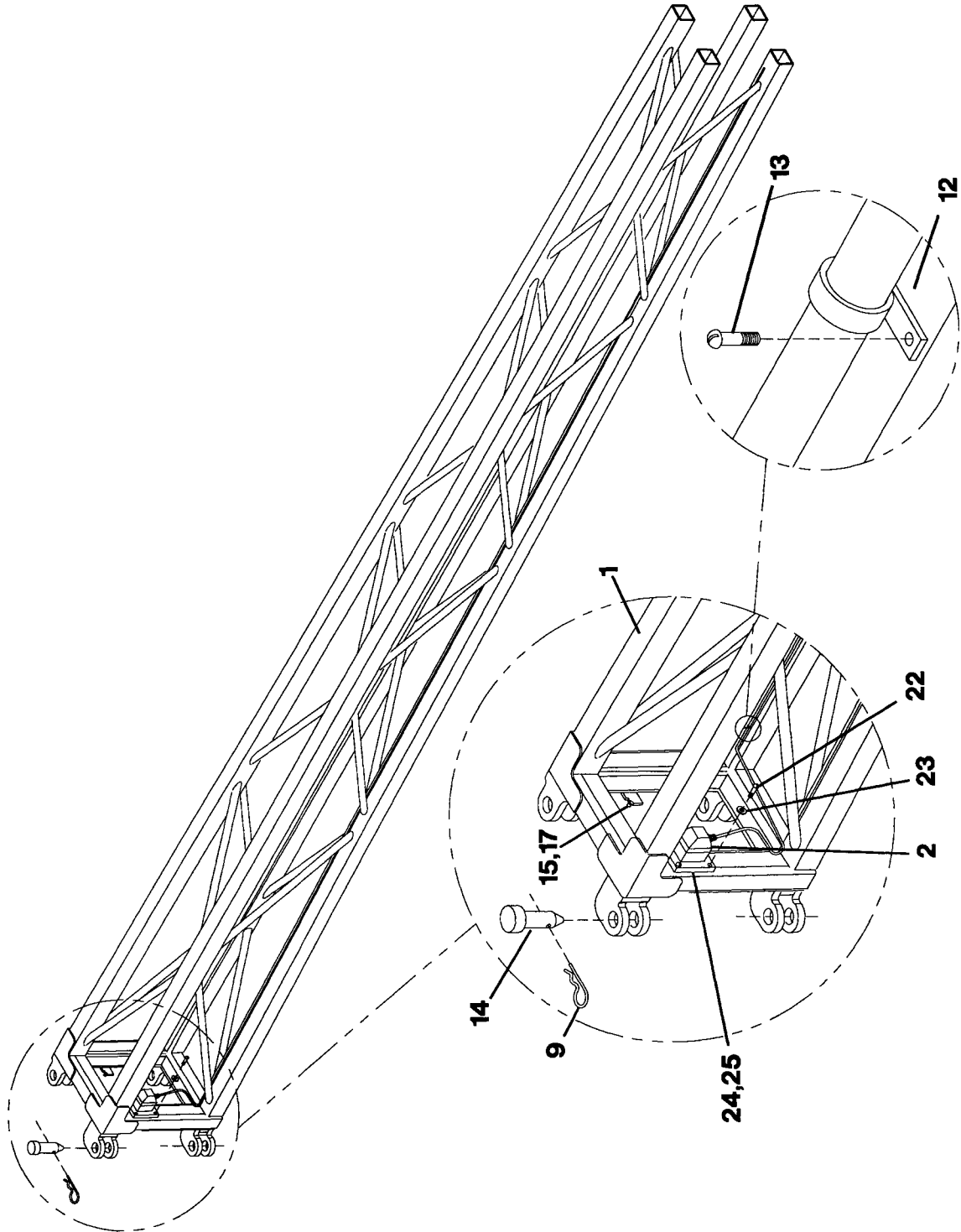
861-90351

FLY JIB ASSEMBLY - LATTICE



730-50247

FLY JIB ASSEMBLY - LATTICE



730-50247

P-2517A.DWG

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	730-51289	.JIB - FLY WELDMENT-LATTICE	1
2	861-90355	.SWITCH - ATB ASSEMBLY-JIB FLY (SEE 5.2.1)	1
3	860-70008	.SHEAVE ASSEMBLY-5/8 ROPE	1
4	274-30006	.BEARING - INNER RACE	1
5	870-60215	.PIN - 2" JIB SHEAVE	1
6	870-10174	.PIN - CLEVIS 3/4 x 2 3/4" LONG	2
7	789-04493	.PLATE - GUIDE	2
8	224-02006	.HAIRPIN .120	2
9	224-04002	.HAIRPIN .178	4
10	200-30006	.RING - RETAINING	2
11	501-03001	.FITTING - LUBE 1/4	1
12	201-00141	.CLAMP	7
13	223-15219	.SCREW 1/4 x 1/2" LONG	7
14	870-20251	.PIN 1-JIB PIVOT	4
15	220-02006	.SCREW - HEX HEAD CAP 3/8 x 1 1/2" LONG	1
16	220-02009	.SCREW - HEX HEAD CAP 3/8 x 4" LONG	2
17	221-02001	.NUT - HEX 3/8	3
18	222-02005	.WASHER - FLAT 3/8	4
19	222-12001	.WASHER - LOCK 3/8	2
20	220-01006	.SCREW - HEX HEAD CAP 5/16 x 1 1/2" LONG	1
21	221-01002	.NUT - HEX JAM 5/16	1
22	223-04001	.SCREW - HEX HEAD MACHINE #10 x 1/2" LONG	4
23	222-10006	.WASHER - LOCK #10	4
24	400-23338	.BOX - PANEL MOUNTING-6 POSITION	1
25	400-23340	.INSERT - FEMALE-6 POSITION	1
*26	651-00196	.PLACARD - LANYARD ATTACH	2
*27	651-00302	.PLACARD - PERSONNEL ATTACH	2
28	729-02570	.PAD - FLY STOW BUMPER	1
29	729-02571	.PAD - FLY TIP BUMPER	1
30	223-00205	.SCREW 1/4 x 3/4" LONG	3
31	223-00214	.SCREW 1/4 x 2" LONG	2

P-2517.D

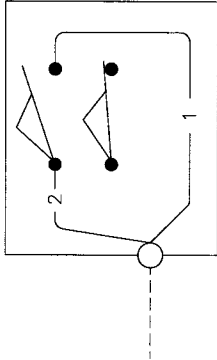
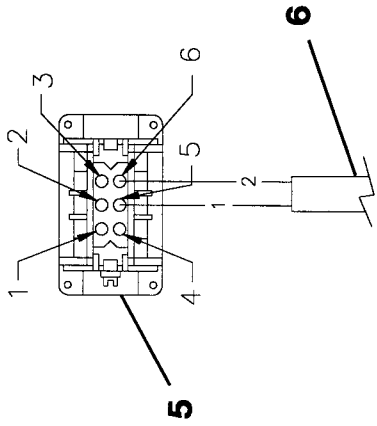
*ITEMS NOT SHOWN

FLY JIB ASSEMBLY - LATTICE

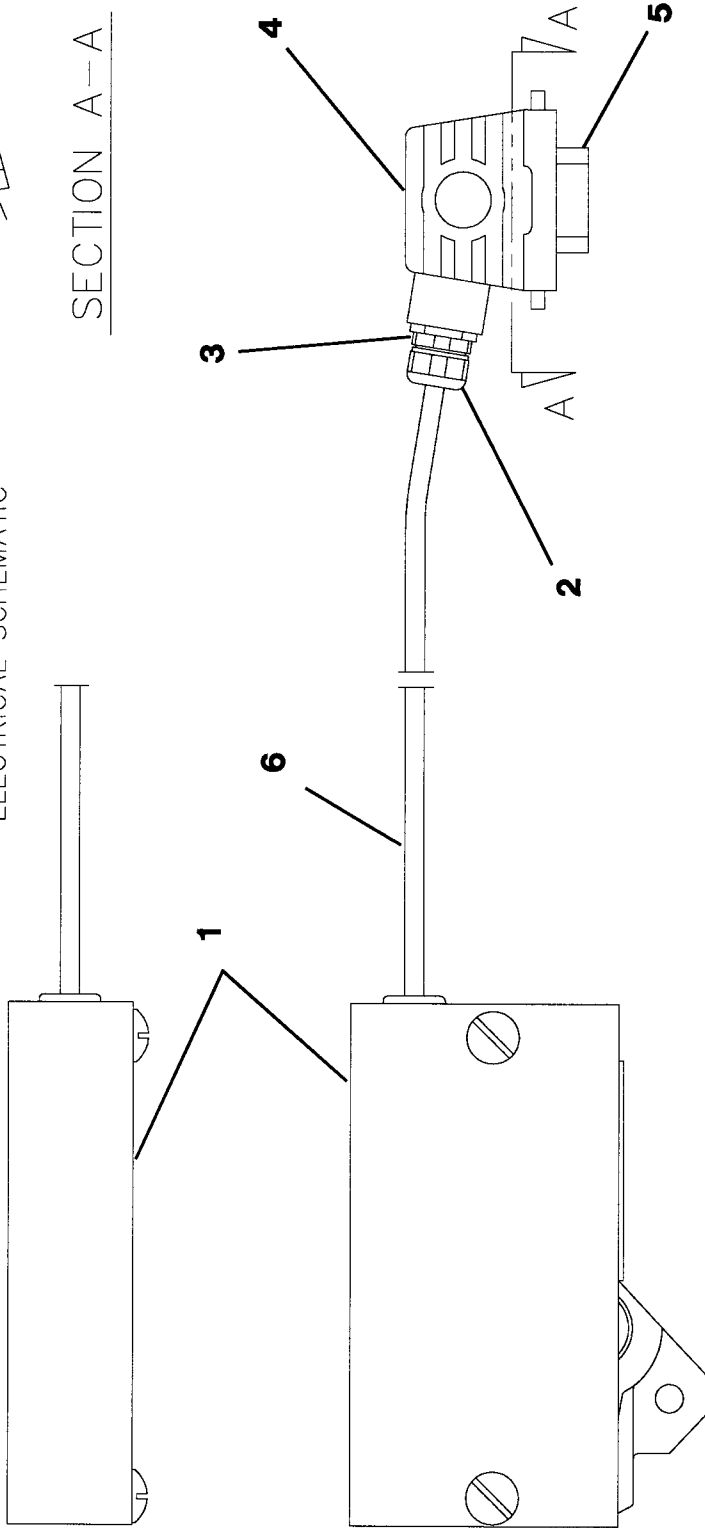
730-50247

ATB SWITCH ASSEMBLY - JIB FLY

5.2.1



ATB SWITCH
ELECTRICAL SCHEMATIC



861-90355

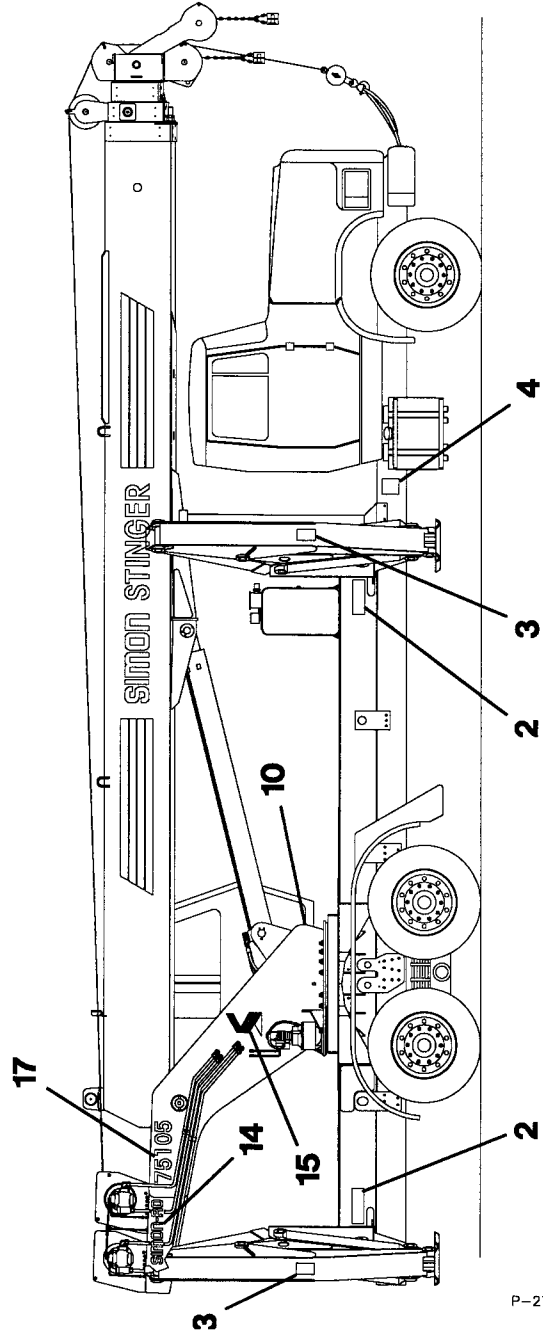
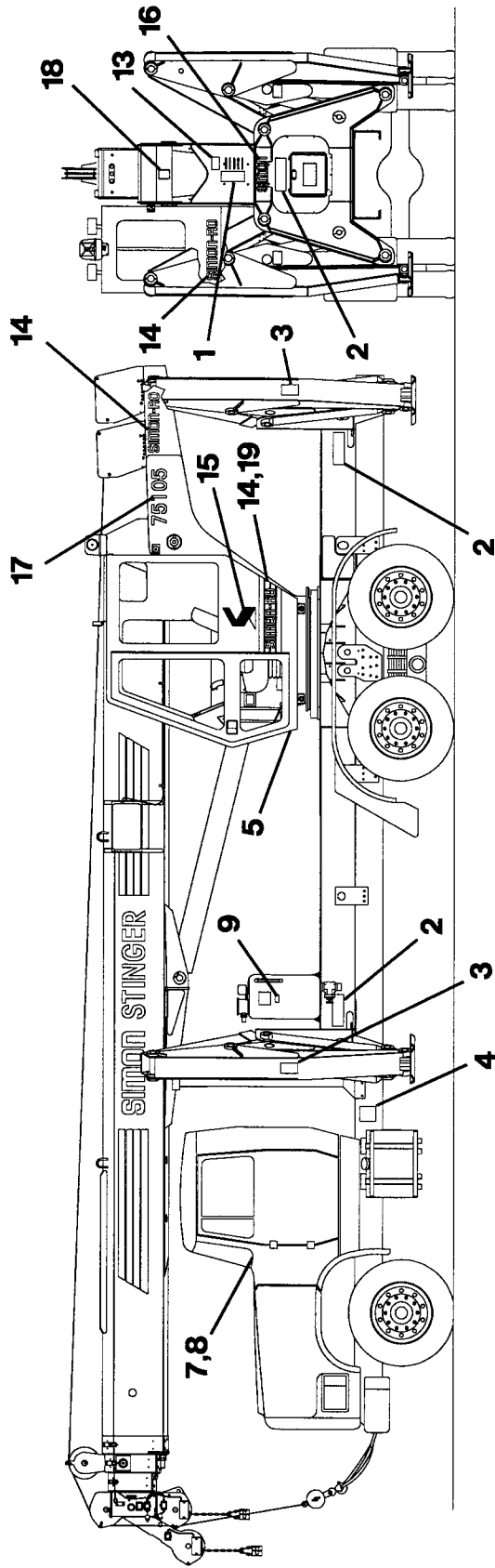
P-2603

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	400-01837	.SWITCH - ATB	1
	400-15571	..COVER - ATB SWITCH	1
2	400-15055	.CONNECTOR - STRAIN RELIEF	1
3	400-23342	.CONNECTOR - ADAPTER	1
4	400-23335	.HOOD - LATERAL ENTRY	1
5	400-23341	.INSERT - MALE	1
6	861-90365	.CABLE - 4/20 GA SHEILED	A/R
	P-2603		

ATB SWITCH ASSEMBLY - JIB FLY

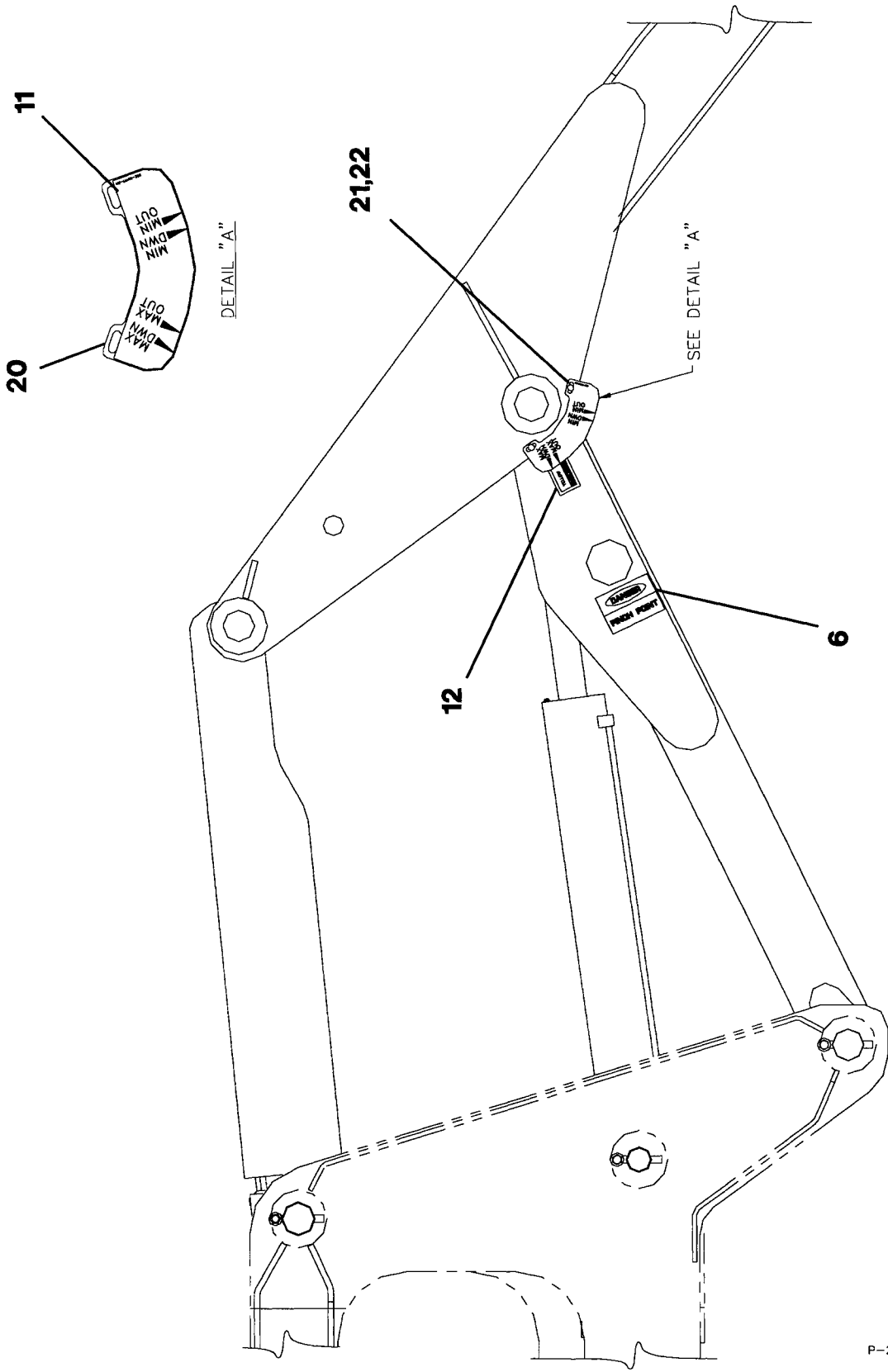
861-90355

PLACARD INSTALLATION



659-00092

P-2719

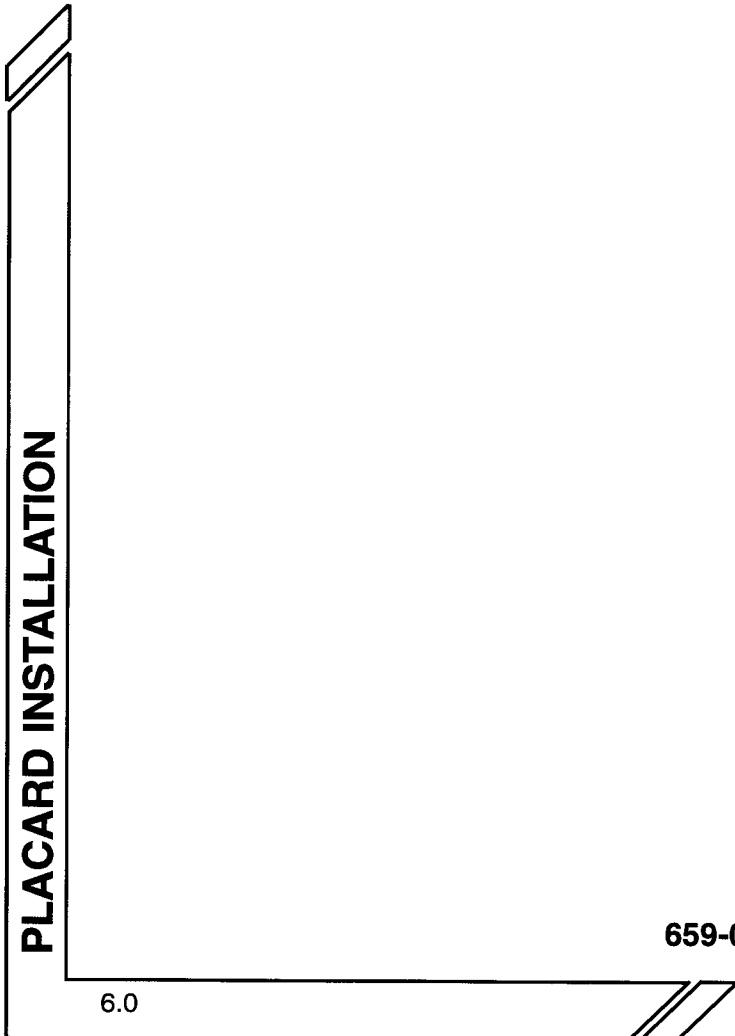


659-00092

P-2719A

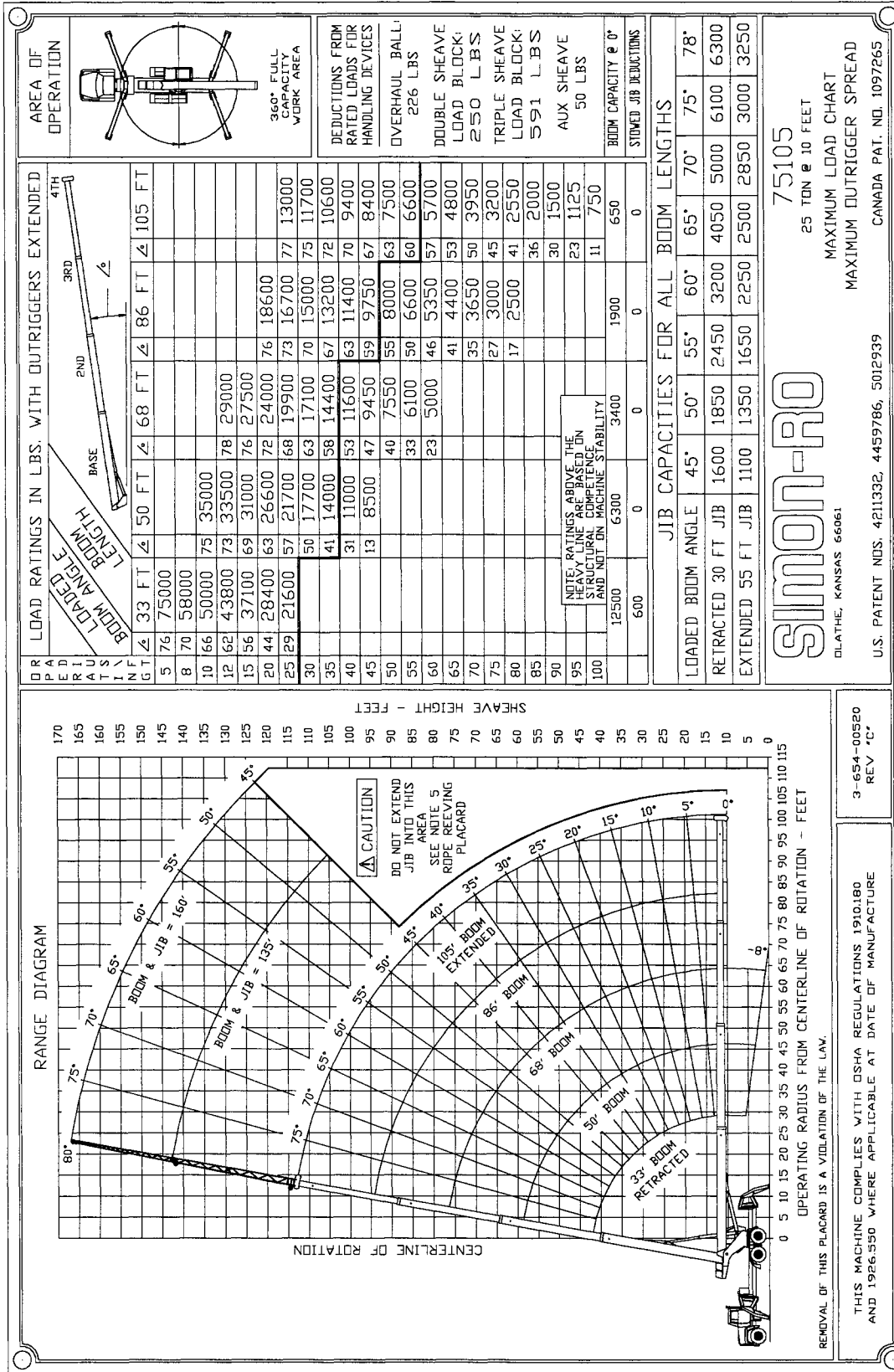
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	651-00746	.PLACARD - MAIN VALVE EMERGENCY CONTROL	1
2	651-00184	.PLACARD - ELECTRICUTION HAZARD	5
3	651-00184	.PLACARD - DANGER OUTRIGGER EXTENSION	4
4	651-00195	.PLACARD - DRIVELINE	2
5	651-00253	.PLACARD - WARNING REPLACEMENT	1
6	651-00312	.PLACARD - DANGER PINCH POINT	8
7	651-00314	.PLACARD - NO RIDER CRANE CAB	1
8	652-00059	.PLACARD - WARNING, RPM, ROADING	1
9	652-00073	.PLACARD - HYDRAULIC OIL ONLY	1
10	652-00370	.PLACARD - MASTER LUBE CHART	1
11	652-00411	.PLACARD - OUTRIGGER ANGLE INDICATOR	4
12	652-00414	.PLACARD - OUTRIGGER ANGLE POSITION	4
13	653-00247	.PLACARD - TRUCK CRANE VIN	1
14	653-00252	.PLACARD - SIMON-RO LOGO	3
15	653-00264	.PLACARD - LOGO, SIMON ACCESS	2
16	653-00282	.PLACARD - SIMON LOGO	1
17	653-00298	.PLACARD - 75105	2
18	653-00304	.PLACARD - MADE IN THE USA	1
19	659-00065	.PLACARD - 4-BAR STRIPING	1
20	789-04708	.PLATE - PLACARD MOUNTING	4
21	223-15217	.BOLT - HHCS 5/16 x 1/2" LONG	8
22	222-01001	.WASHER - FLAT 5/16	8

P-2719



MAXIMUM LOAD CHART

6.1



MAXIMUM LOAD CHART

LOAD RATINGS IN LBS. WITH OUTRIGGERS EXTENDED

BOOM LENGTH	BOOM ANGLE	BASE	1ST	2ND	3RD	4TH
5	75	52500				105 FT
8	69	40500				86 FT
10	66	34500	75	34500		
12	62	30000	73	30000	78	30750
15	55	25000	69	25000	76	26100
20	44	19000	63	19750	72	20500
25	28	14000	56	14750	67	15000
30			48	10250	62	10750
35			40	7400	57	7700
40			30	5500	51	5800
45			15	4200	46	4500
50					40	3300
55					32	2450
60					22	1800
65						
70						
75						
80						
85						
90						
95						
100						
11000			4200	1300		
0			0	0	0	0

AREA OF OPERATION

360° FULL CAPACITY WORK AREA

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

- OVERHAUL BALL: 226 LBS
- 1 DOUBLE SHEAVE LOAD BLOCK: 250 LBS
- 2 TRIPLE SHEAVE LOAD BLOCK: 591 LBS
- AUX SHEAVE: 50 LBS

BOOM CAPACITY @ 15' STOWED JOB DEDUCTIONS

CAUTION

WITH ANY OUTRIGGER LESS THAN FULLY EXTENDED, JIB MAY NOT BE ERRECTED

simon-ro

OLATHE, KANSAS 66061

U.S. PATENT NOS. 4211332, 4459786, 5012939

75105
25 TON @ 10 FEET
MAXIMUM LOAD CHART
MINIMUM OUTRIGGER SPREAD
CANADA PAT. NO. 1097265

RANGE DIAGRAM

CENTERLINE OF ROTATION

MINIMUM OUTRIGGER SPREAD

OPERATING RADIUS FROM CENTERLINE OF ROTATION - FEET	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115												
SHEAVE HEIGHT - FEET	170	165	160	156	150	145	140	135	130	125	120	115	110	105	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	5	0

REMOVAL OF THIS PLACARD IS A VIOLATION OF THE LAW.

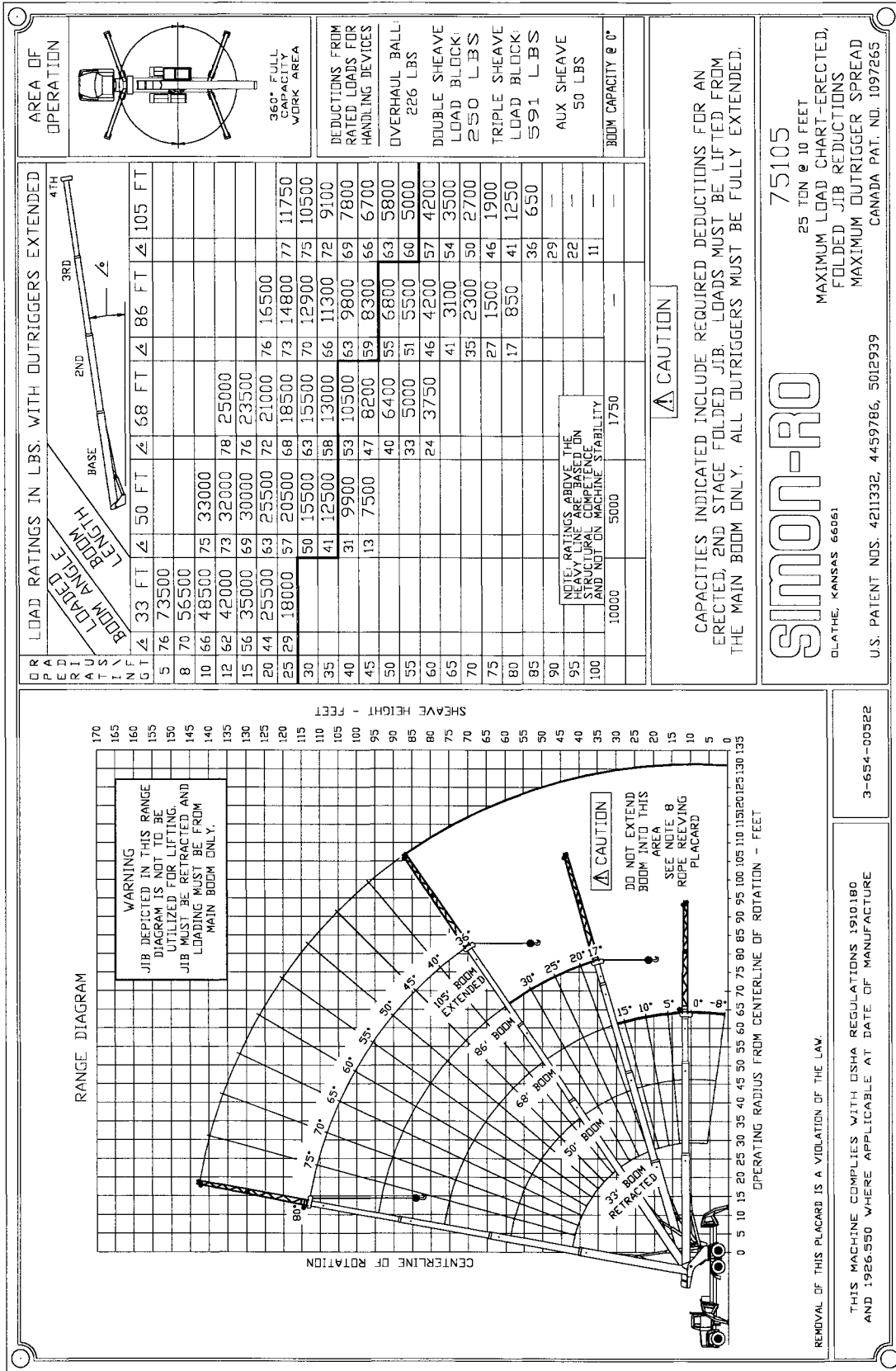
THIS MACHINE COMPLIES WITH OSHA REGULATIONS 1910.180 AND 1926.550 WHERE APPLICABLE AT DATE OF MANUFACTURE

3-654-00521

MINIMUM OUTRIGGER SPREAD
654-00521

MAXIMUM LOAD CHART

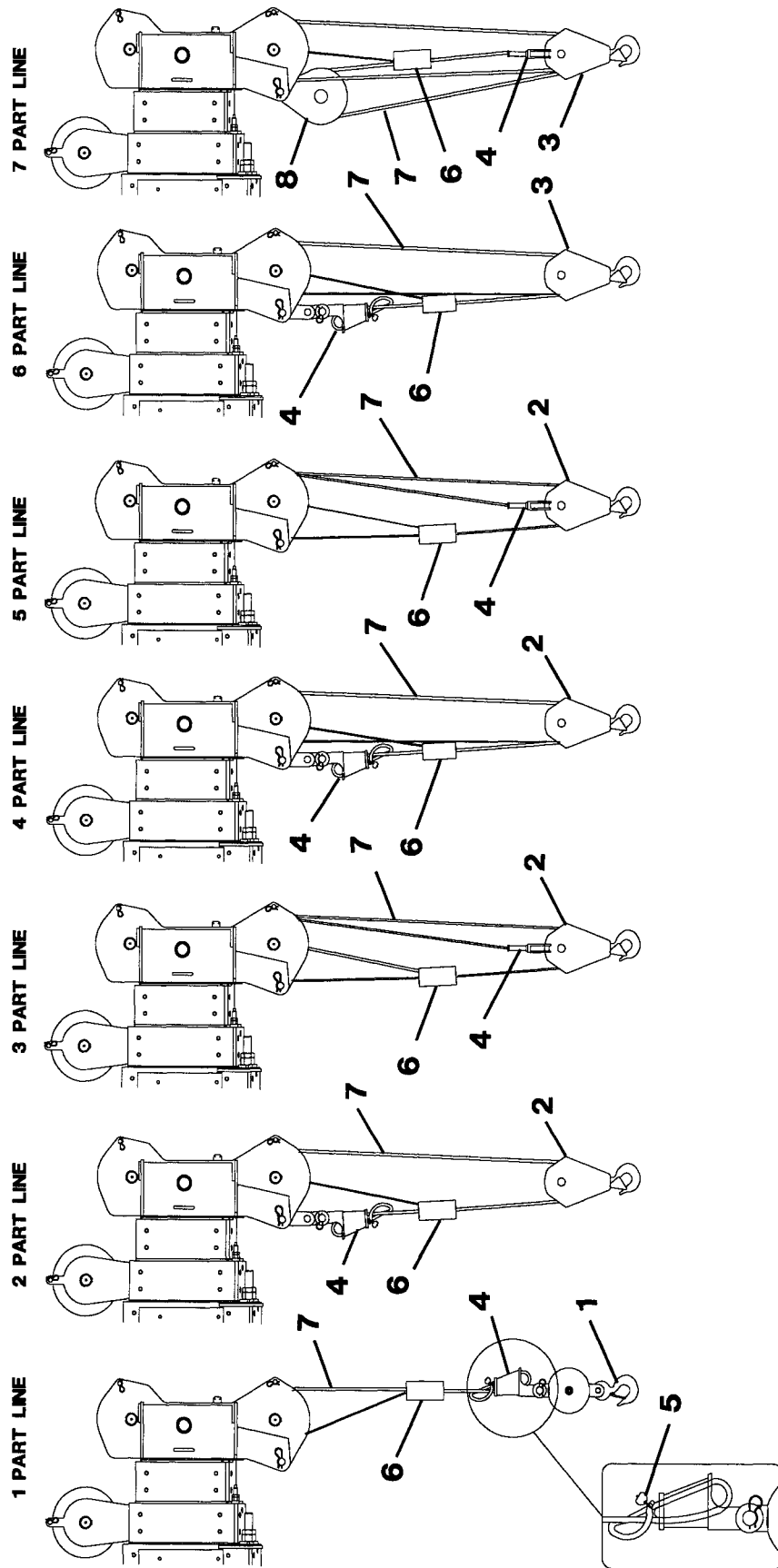
6.1



**ERECTED, FOLDED JIB REDUCTION
 MAXIMUM OUTRIGGER SPREAD
 654-00522**

WIRE ROPE REEVING

7.0



861-16085

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	861-60087	.BALL AND HOOK - SWIVEL 5 TON	1
2	861-60086	.BLOCK - 35 TON LOAD 3 SHEAVE	1
3	861-60088	.BLOCK - 25 TON LOAD 2 SHEAVE	1
4	861-70014	.WEDGE AND SOCKET 9/16 (MAIN WINCH)	1
	861-70007	.WEDGE AND SOCKET 5/8 (AUX WINCH)	1
5	861-90059	.CLAMP	2
6	861-90357	.WEIGHT - COUNTER ANTI-2 BLOCK	1
7	861-16086	.WIRE ROPE 9/16 x 350" (MAIN WINCH)	1
	861-17039	.WIRE ROPE - 6 x 25 IWRC 5/8 x 350" (AUX. WINCH)	1
8	861-90362	.SHEAVE - AUXILIARY BLOCK ASSEMBLY	1

P-2526

861-16085