



PARTS MANUAL

SERIAL NUMBERS:

BODY: _____

MAST: _____

GRABBER: _____

MFG. DATE: _____

Made in the U.S.A.

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SECTION 1

PARTS

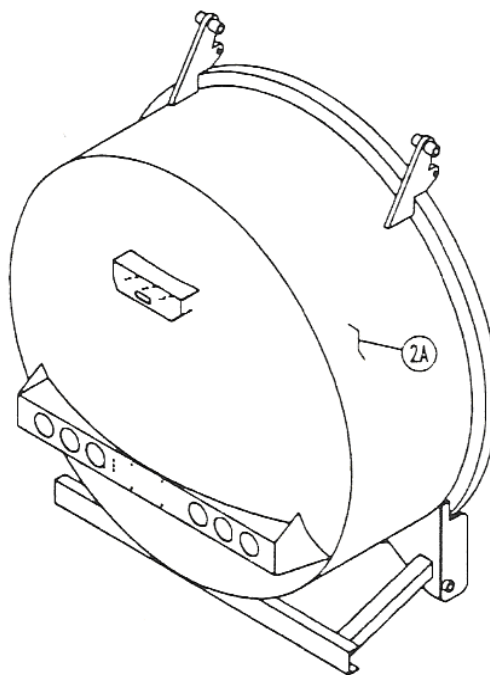
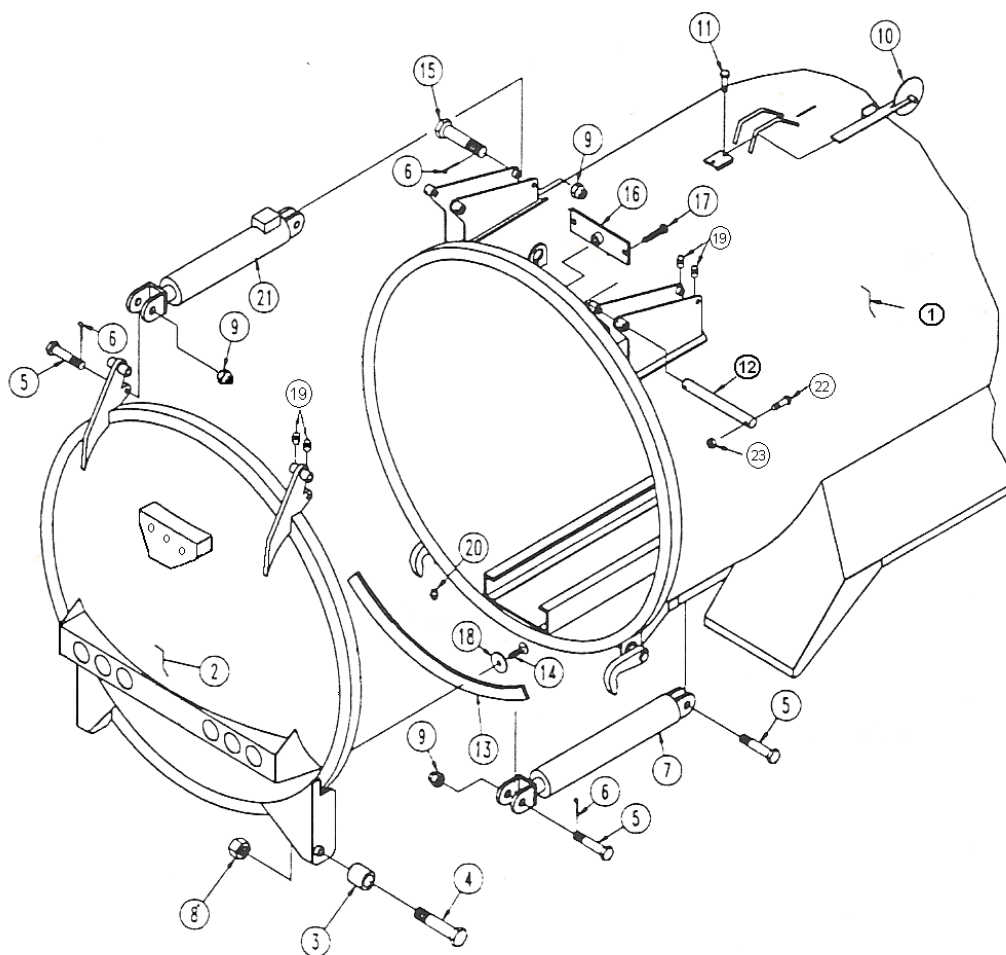
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CAUTION

Substitution of parts may affect the performance of this Challenger unit and could result in malfunctions and lead to damage of equipment and injury to personnel. Only approved parts should be used to repair this unit.

Southwestern Equipment Company in an effort to improve product may change or add parts. When ordering replacement parts, specify the serial and model number of the unit being repaired so we can assure the proper part is sent.

END GATE

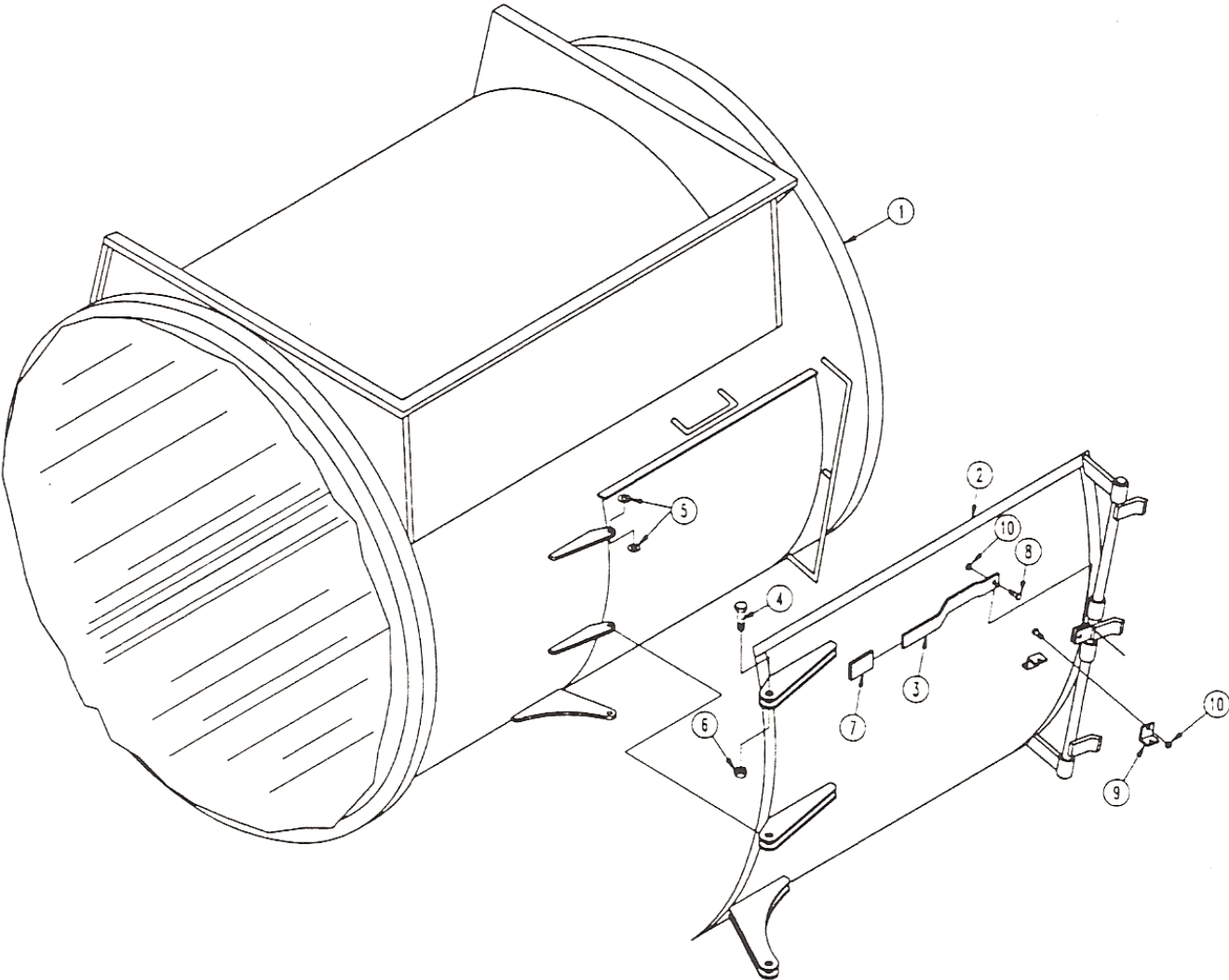


END GATE

SEC CHALLENGER

Item	SEC Part number	QTY	Description
1	(REF.)	1	TANK STRUCTURE
2	SW0601-003	1	STANDARD TAIL GATE STRUCTURE
2A	SW0601-011	1	BUBBLE TAIL GATE STRUCTURE
3	SW0604-059	2	BUSHING
4	SW0064-917	2	CAPSCREW, 1.25 x 6.50
5	SW0064-270	2	CAPSCREW 1 x 4 grd 8
6	SW0040-504	4	COTTER PIN
7	SW0020-112	1	HYDRAULIC CYLINDER
8	SW0065-282	2	HEX NUT
9	SW0065-247	4	1" NYLOCK grd 8
10	SW0600-661	1	UPPER LIMITING WHEEL STRUCTURE
11	SW0060-388	2	CAPSCREW, .38 x 1.00
12	SW0604-393	2	PIN
13	SW0604-207	1	TAILGATE SEAL
14	SW0064-909	30	1/4" RIVETS
15	SW0064-273	2	CAPSCREW 1 x 7 grd 8
16	SW0604-401	2	COUPLER STRUCTURE
17	SW0064-224	4	SELF TAPPING SCREW, .38 x 1.00
18	SW0066-033	13	.38 FLAT WASHERS
19	SW0041-107	8	LUBE FITTING, .31 DRIVE
20	SW0041-005	4	LUBE FITTING, .13 STRAIGHT
21	SW0020-150	2	HYDRAULIC CYLINDER
22	SW0060-445	4	CAPSCREW, .38 x 2.50
23	SW0065-180	4	HEX NUT, .38 NYLOCK

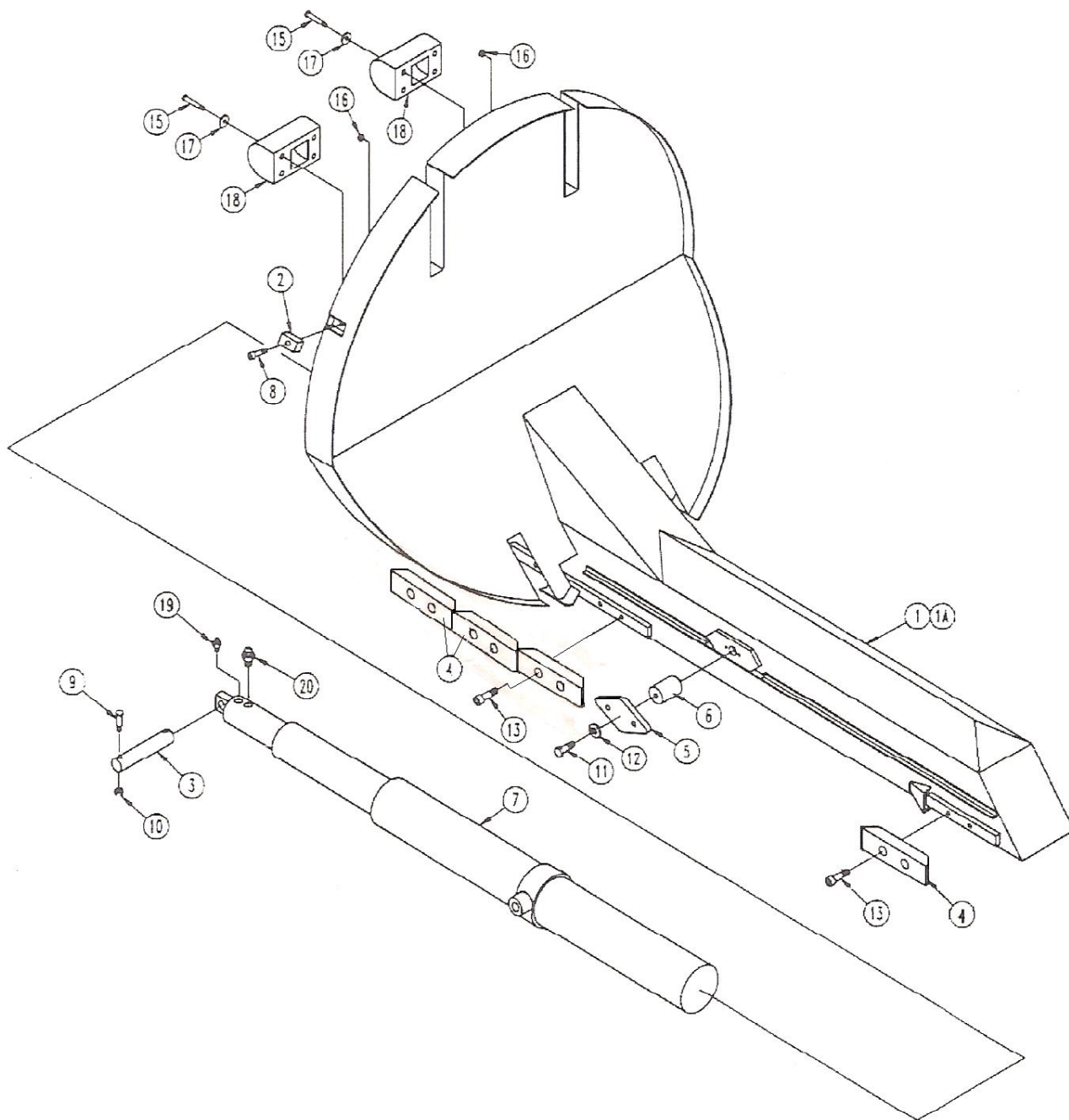
ACCESS DOOR



ACCESS DOOR

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	(REF)	1	TANK STRUCTURE
2	SW0601-613	1	R.H. ACCESS DOOR STRUCTURE
3	SW0601-231	1	FORMED FLAT
4	SW0061-419	3	CAPSCREW, .75 x 2.50
5	SW0066-089	6	.75 FLATWASHER
6	SW0065-233	3	HEX NUT, .75 NYLOCK
7	SW0044-082	1	Grip
8	SW0060-388	1	CAPSCREW, .38 x 1.00
9	SW0601-822	1	FORMED FLAT
10	SW0065-180	2	HEX NUT, .38, NYLOCK

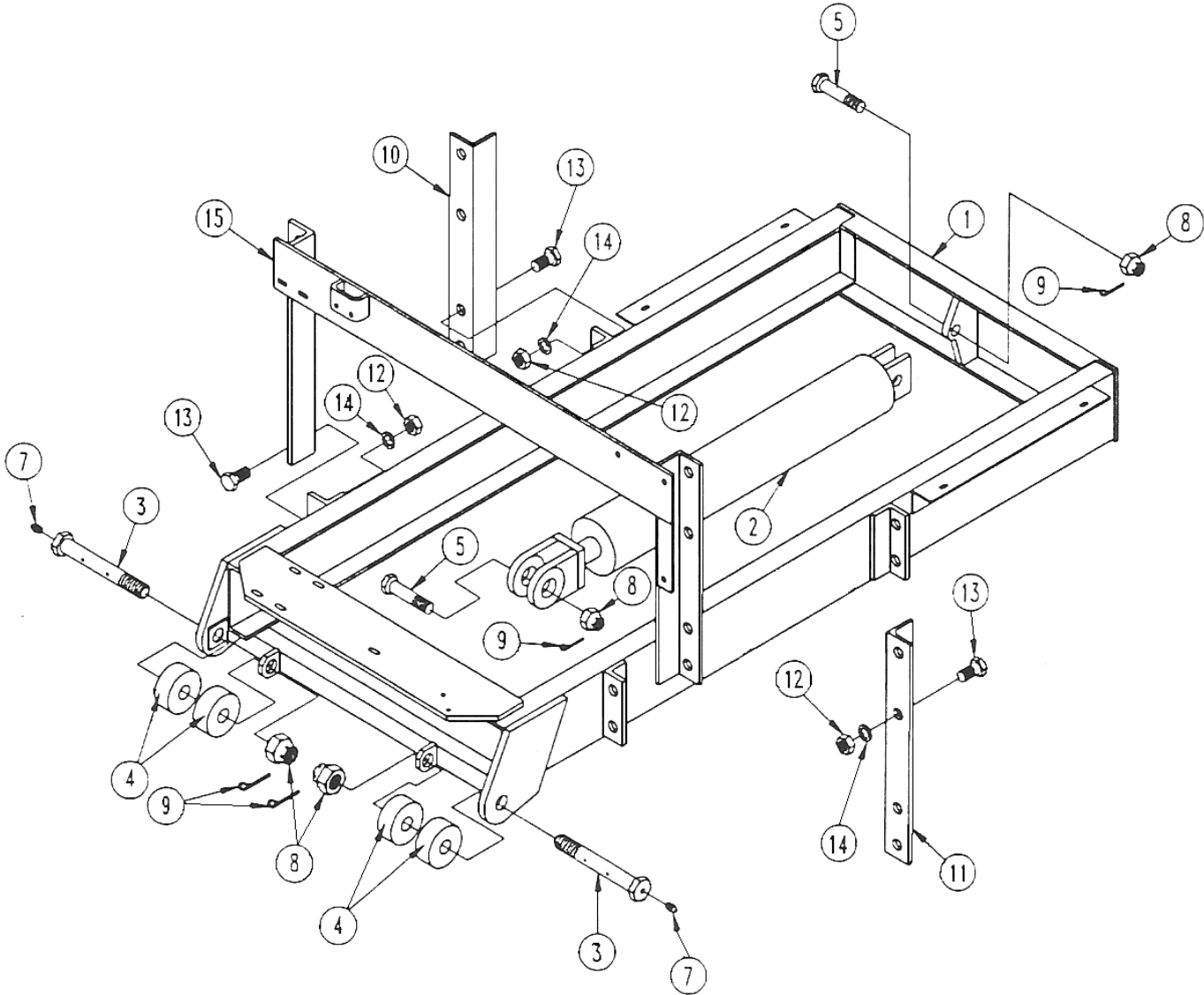
PACKER



PACKER

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0602-012	1	PACKER STRUCTURE (25 YARD)
1A	SW0602-023	1	PACKER STRUCTURE (30 YARD)
2	SW0602-249	2	WEAR PAD
3	SW0604-347	1	SHAFT
4	SW0604-484	6	WEAR PAD
5	SW0604-291	2	COVER
6	SW0601-696	2	PIN
7	(REF)	1	HYDRAULIC CYLINDER (BODY MODEL #)
8	SW0064-232	2	CAPSCREW. .50 x 1.50 SOCKETHEAD
9	SW0060-426	2	CAPSCREW, .38 x 2.00
10	SW0065-180	2	HEX NUT, .38 NYLOCK
11	SW0060-388	4	CAPSCREW, .38 x 1.00
12	SW0067-034	4	.38 LOCKWASHER
13	SW0064-246	12	CAPSCREWS .75 x 1.50 SOCKETHEAD
14			
15	SW0600-828	8	CAPSCREW, .50 x 3.00
16	SW0065-209	8	HEX NUT, .50 NYLOCK
17	SW0066-055	8	.50 FLATWASHER
18	SW0044-201	2	RUBBER BUMPER
19	SW0033-574	1	ADAPTER
20	SW0033-642	1	ADAPTER

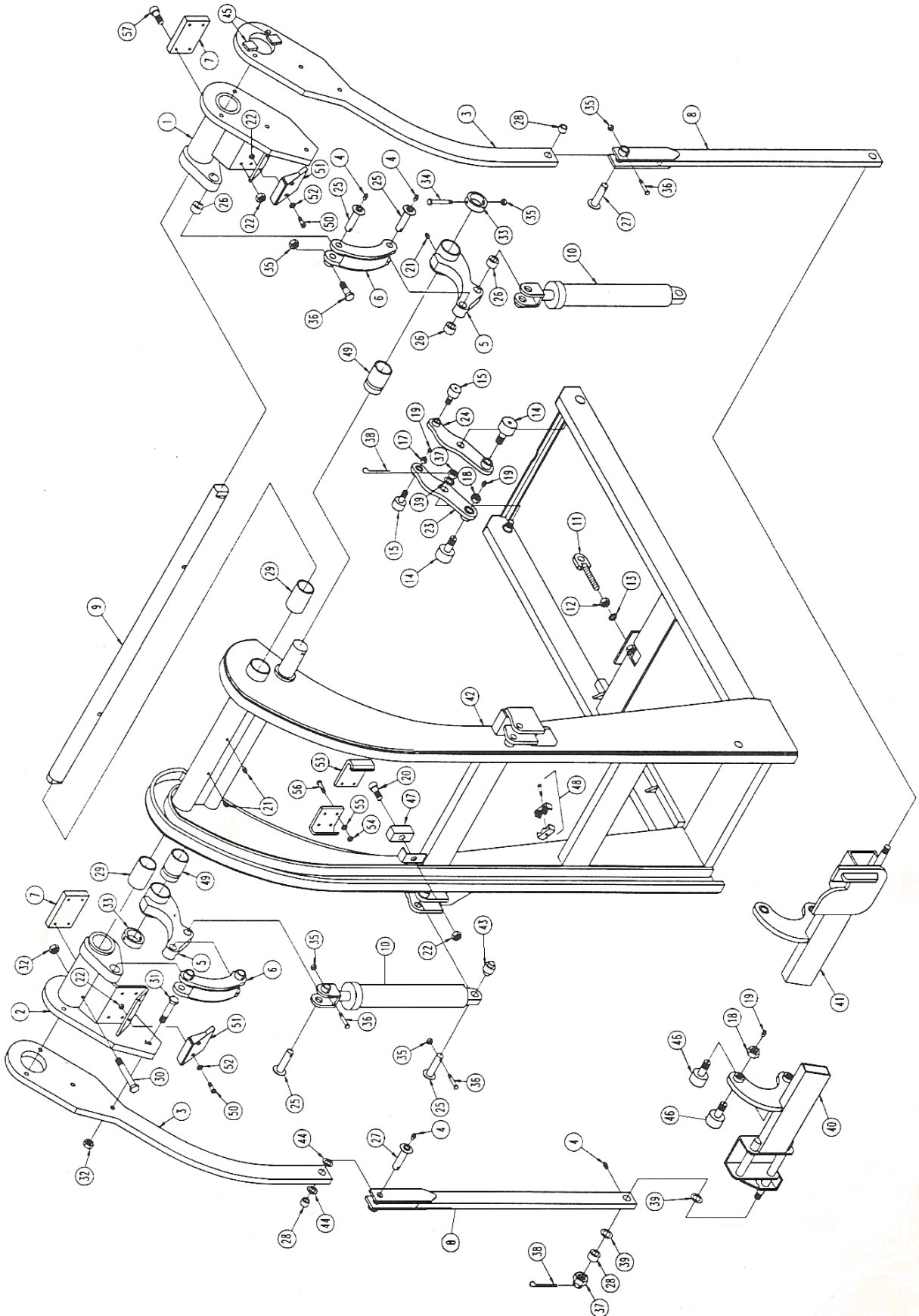
UNDER CARRIAGE



UNDER CARRIAGE

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0603-425	1	UNDER CARRIAGE STRUCTURE
2	SW0020-138	1	HYDRAULIC CYCLINDER (48")
3	SW0602-765	2	MODIFIED CAPSCREW
4	SW0044-525	4	3" CAM FOLLOWER (YOKE TYPE)
5	SW0602-795	2	DRILLED CAPSCREW
7	SW0041-032	2	LUBE FITTING, .25
8	SW0065-763	2	HEX NUT, 1.0 SLOTTED
9	SW0040-512	4	COTTER PIN, .19 x 2.00
10	SW0604-041	1	L.H. ANGLE
11	SW0604-042	1	R.H. ANGLE
12	SW0065-088	16	HEX NUT, .75 NYLOCK
13	SW0061-390	16	CAPSCREW, .75 x 2.50 GRADE 8
14	SW0067-080	16	.75 FLATWASHERS GRADE 8
15	SW0603-420	1	MOUNT STRUCTURE

MAST



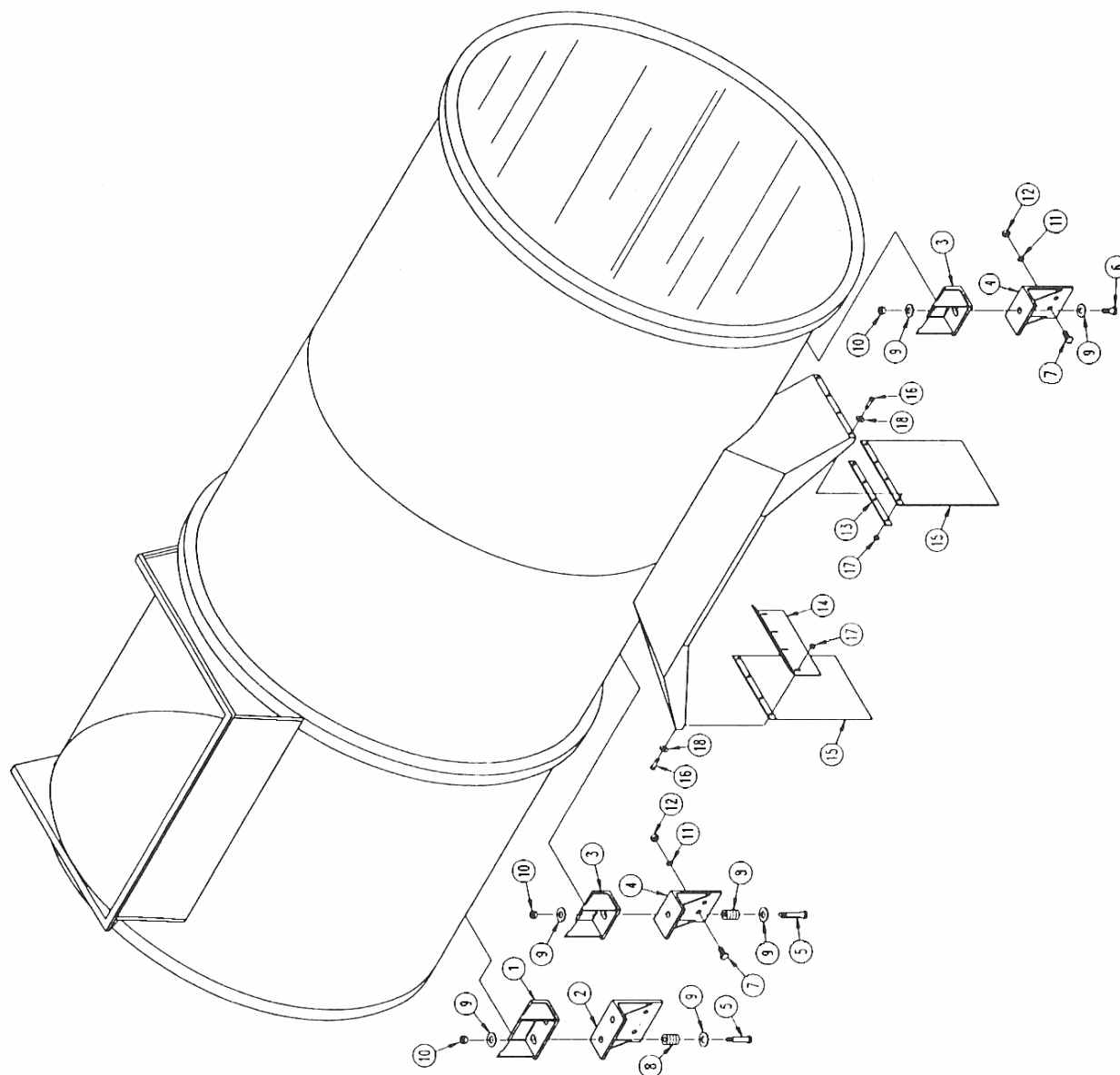
MAST

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0603-706	1	R.H. SIDE PLATE STRUCTURE
2	SW0603-714	1	L.H. SIDE PLATE STRUCTURE
3	(REF)	2	UPPER ARM
4	SW0041-005	4	LUBE FITTING, .25
5	SW0603-775B	2	LOWER LINK STRUCTURE
6	SW0603-804	2	UPPER LINK STRUCTURE
7	SW0604-326	2	SPACER BLOCKS
8	(REF)	2	LOWER ARM STRUCTURE
9	SW0603-986	1	CROSS SHAFT
10	SW0020-077	2	HYDRAULIC CYLINDER
11	SW0604-151	1	EYE BOLT
12	SW0065-107	1	HEX NUT, 1.0
13	SW0067-109	1	1.0 LOCKWASHER
14	SW0044-517	2	CAM FOLLOWER
15	SW0044-509	2	CAM FOLLOWER
16	SW0041-099	2	LUBE FITTING, .19 DRIVE
17	SW0065-956	2	HEX JAM NUT, .88
18	SW0065-964	6	HEX JAM NUT, 1.25
19	SW0041-123	6	LUBE FITTING, .25 DRIVE
20	SW0064-232	2	CAPSCREW, .50 x 1.50 SOCKETHEAD
21	SW0041-134	4	LUBE FITTING, .13
22	SW0065-209	14	HEX NUT, .50 NYLOCK
23	SW0603-511	1	L.H. EAR STRUCTURE
24	SW0603-516	1	R.H. EAR STRUCTURE
25	SW0603-849	8	PIN STRUCTURE
26	SW0044-306	6	BRONZE BUSHING
27	SW0603-213	2	PIN STRUCTURE
28	SW0605-036	4	BRONZE BUSHING
29	SW0603-975	2	BRONZE BUSHING
30	SW0061-499	2	CAPSCREW, .75 x 5.00 grd 8
(CONT.)			

MAST

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
31	SW0061-435	8	CAPSCREW, .75 x 3.00
32	SW0065-532	10	HEX NUT, .75 NYLOCK
33	SW0603-865	2	BUSHING
34	SW0600-517	2	CAPSCREW, .38 x 4.50
35	SW0065-180	12	HEX NUT, .38 NYLOCK
36	SW0060-445	10	CAPSCREW, .38 x 2.50
37	SW0065-918	4	HEX NUT, 1.13 CASTLE
38	SW0040-518	4	COTTER PIN, .25 x 2.00
39	SW0041-290	6	MACHINE BUSHING
40	SW0603-554	1	LIFT STRUCTURE
41	SW0604-495	1	LIFT STRUCTURE (PAK-MOR STYLE ONLY)
42	(REF)	1	MAST STRUCTURE
43	SW0044-407	2	MODIFIED BEARING
44	SW0041-483	4	MACHINED BUSHING
45	SW0604-177	4	FLAT, MCL. .75 x 1.50 x 2.50
46	SW0603-054	4	MODIFIED CAM FOLLOWER
47	SW0602-249	2	WEAR PAD
48	SW0045-238	2	DOUBLE HOSE CLAMP
49	SW0603-976	2	BRONZE BUSHING
50	SW0064-531	4	CAPSCREW. .50 x 2.00 SOCKET HEAD
51	SW0604-327	2	PAK-MOR PAD STRUCTURE
52	SW0041-476	4	MACHINED BUSHING
53	SW0604-427	2	MAST GUIDE
54	SW0065-054	8	HEX NUT, .50
55	SW0067-056	8	.50 LOCKWASHER
56	SW0600-770	8	CARRIAGE BOLT, .50 x 1.50
57	SW0064-531	8	CAPSCREW, .50 x 2.00 SOCKET HEAD

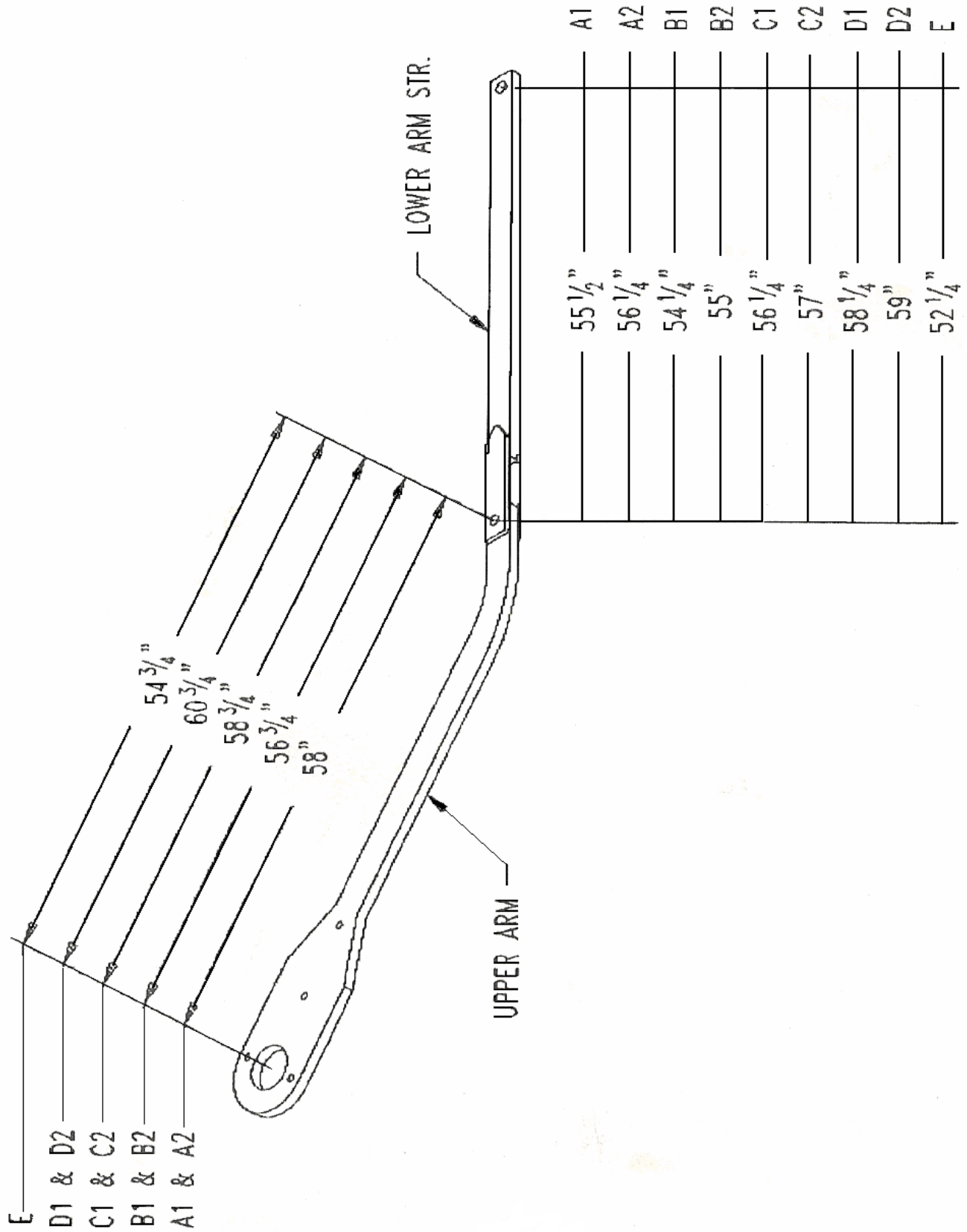
MOUNTING BRACKETS



MOUNTING BRACKETS

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW6010-291	2	UPPER FRONT MOUNT STRUCTURE
2	SW6010-621	2	LOWER FRONT MOUNT STRUCTURE
3	SW6010-302	4	UPPER REAR MOUNT STRUCTURE
4	SW601-639	4	LOWER REAR MOUNT STRUCTURE
5	SW0064-273	6	CAPSCREW 1 x 7 (GRADE 8)
6	SW0064-284	2	CAPSCREW 1 x 3.50 (GRADE 8)
7	SW0061-177	24	CAPSCREW 5/8 x 2.50 (GRADE 8)
8	SW0044-127	6	SPRINGS
9	SW0066-090	16	1" FLATWASHER (GRADE 8)
10	SW0065-247	8	1" NYLOCK HEX NUT (GRADE 8)
11	SW0066-071	24	5/8 WASHER (GRADE8)
12	SW0065-225	24	5/8 NYLOCK NUT (GRADE 8)
13	SW	2	MUD FLAP STRAP
14	SW	2	MUD FLAP SUPPORT
15	SW0605-148	4	SEC MUD FLAPS (24 x 30)
16	SW0060-992	8	CAPSCREW 5/16 x 1.25
17	SW0065-312	20	HEX NUT, .25
18	SW0066-014	20	.25 FLATWASHER
19	SW0044-110	2	ANTI-SAIL

ARMS



ARMS

SEC CHALLENGER			
OPTION	SEC Part number	QTY	Description
A1	SW0603-683	2	UPPER ARM STRUCTURE
	SW0603-634	2	LOWER ARM STRUCTURE
A2	SW0603-683	2	UPPER ARM STRUCTURE
	SW0603-648	2	LOWER ARM STRUCTURE
B1	SW0603-690	2	UPPER ARM STRUCTURE
	SW0603-640	2	LOWER ARM STRUCTURE
B2	SW0603-690	2	UPPER ARM STRUCTURE
	SW0603-642	2	LOWER ARM STRUCTURE
C1	SW0603-694	2	UPPER ARM STRUCTURE
	SW0603-648	2	LOWER ARM STRUCTURE
C2	SW0603-694	2	UPPER ARM STRUCTURE
	SW0603-604	2	LOWER ARM STRUCTURE
D1	SW0603-697	2	UPPER ARM STRUCTURE
	SW0603-649	2	LOWER ARM STRUCTURE
D2	SW0603-697	2	UPPER ARM STRUCTURE
	SW0603-602	2	LOWER ARM STRUCTURE

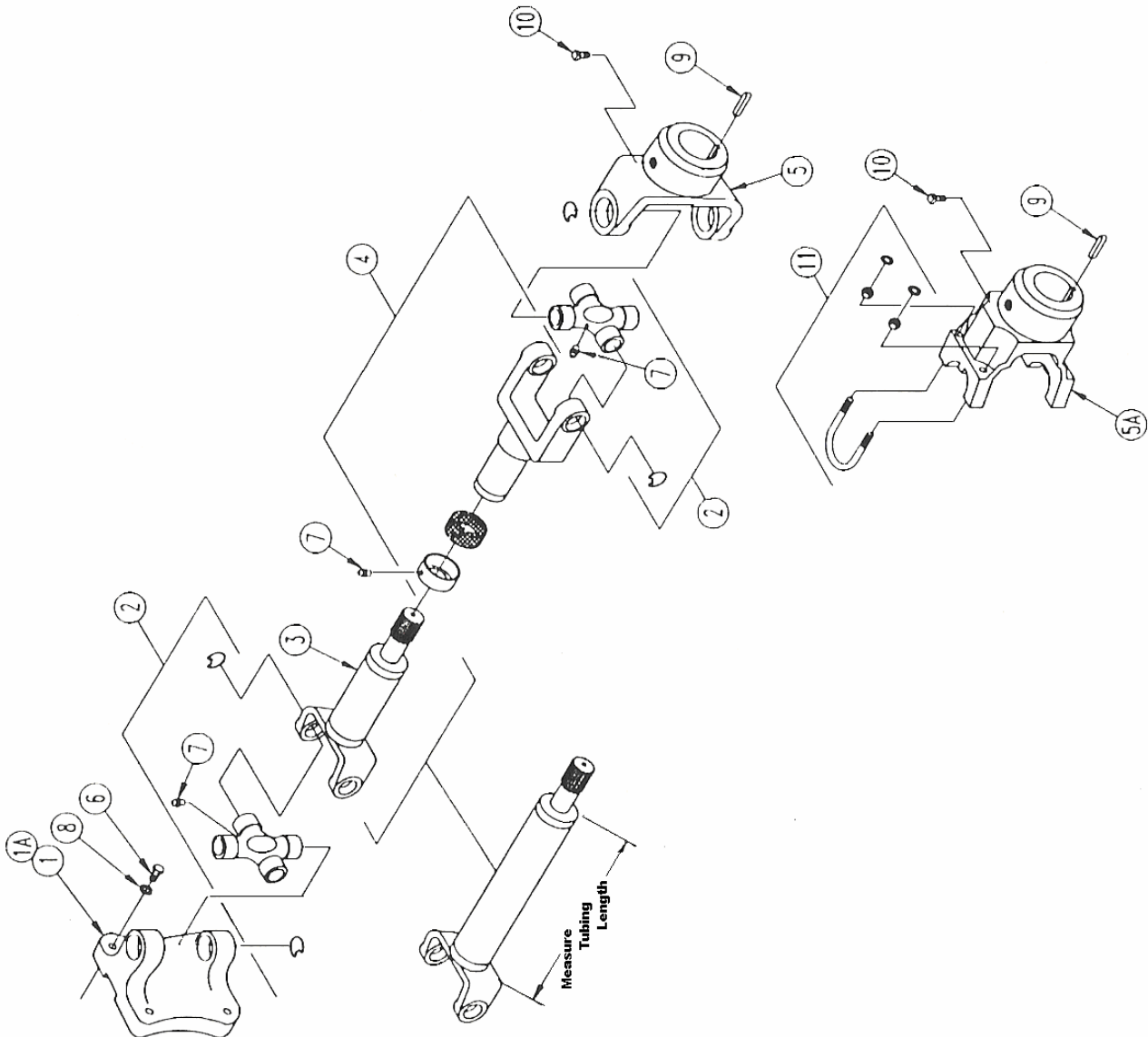
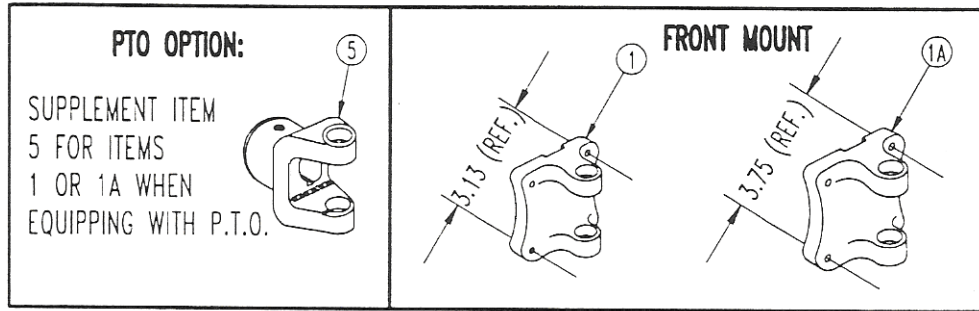
DECALS

SEC CHALLENGER			
Item	Description	QTY	Location
1	PINCH POINT	2	1-EA. SIDE, REAR OF TANK
2	ENTER BODY	1	LEFT OF ACCESS DOOR
3	STAND CLEAR PACKER	1	BELOW ITEM #2
4	CLOSE ACCESS DOOR	1	BELOW ITEM #3
5	STAND CLEAR TAILGATE	2	BELOW ITEM #1
6	PRECAUTION	1	DASH (INSIDE CAB)
7	LIFT CAPACITY	1	CENTER OF MAST
7a	LIFT CAPACITY	1	CENTER OF MAST (GRABBER OPTION)
8	STAND CLEAR MAST	1	FRONT OF MAST (MAST SIDE)
9	STAND CLEAR CONTAINER	1	ABOVE ITEM #8
10	NOTICE	2	ABOVE DUMPSTER LIFT POINTS
11	KEEP OFF	1	BEHIND LADDER (LADDER & CATWALK OPTION)
12	WATCH YOUR STEP	1	BEHIND LADDER (LADDER & CATWALK OPTION)

SECTION 2 HYDRAULICS

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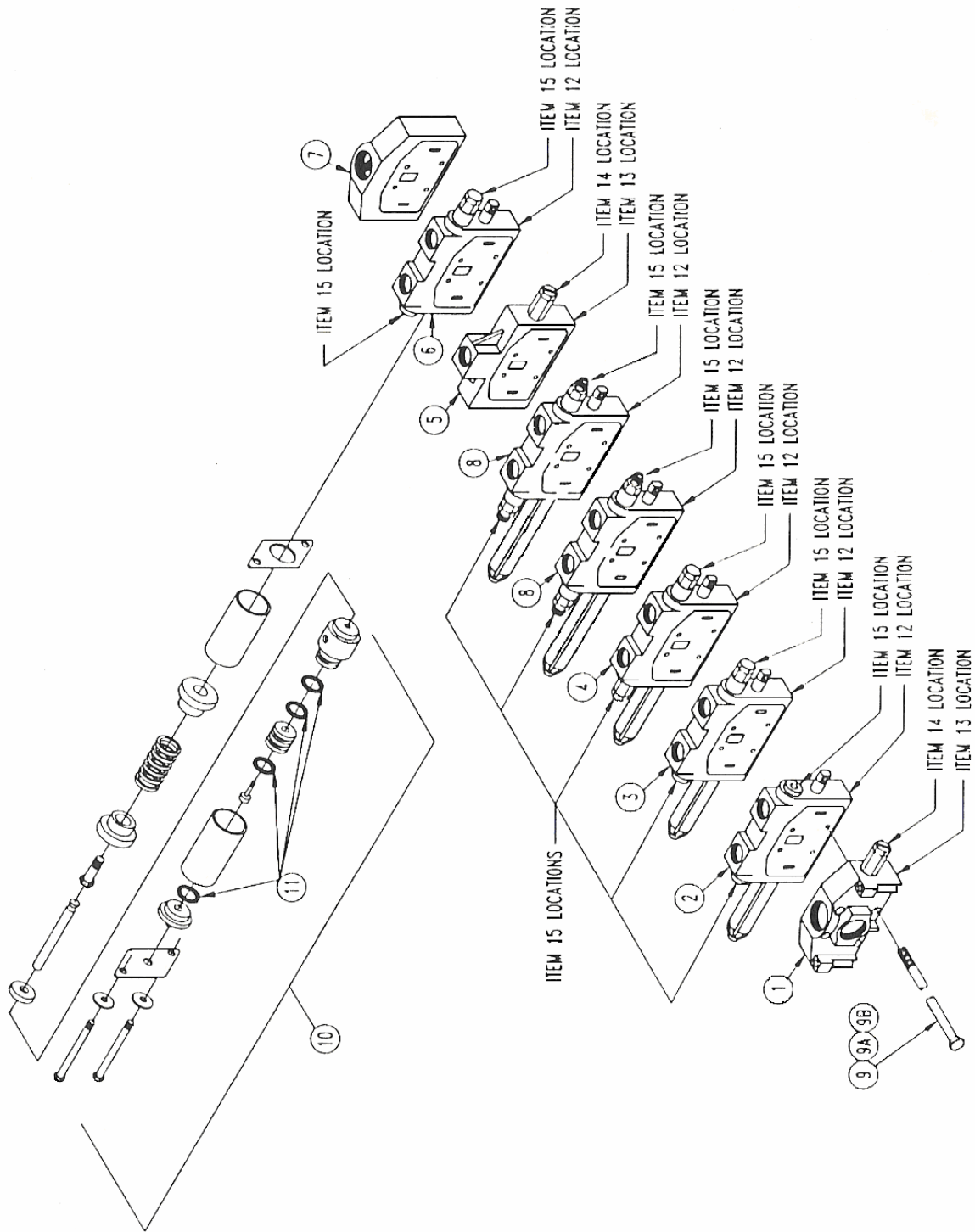
DRIVE LINE



DRIVE LINE

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0093-003	1	FLANGE YOKE
1A	SW0093-004	1	FLANGE YOKE
2	SW0093-011	2	U-JOINT
3	SW0093-029	1	YOKE & SHAFT STRUCTURE
4	SW0093-030	1	FEMALE SLIP YOKE
5	SW0093-040	1	YOKE
5A	SW0093-041	1	YOKE
6	SW0064-606	4	CAPSCREW, .44 x 1.00
7	SW0041-032	3	LUBE FITTING
8	SW0067-045	4	.44 LOCKWASHER
9	SW0019-959	1	KEY
10	SW0064-622	1	SET SCREW, .38 x .75
11	SW0093-043	1	U-BOLT KIT

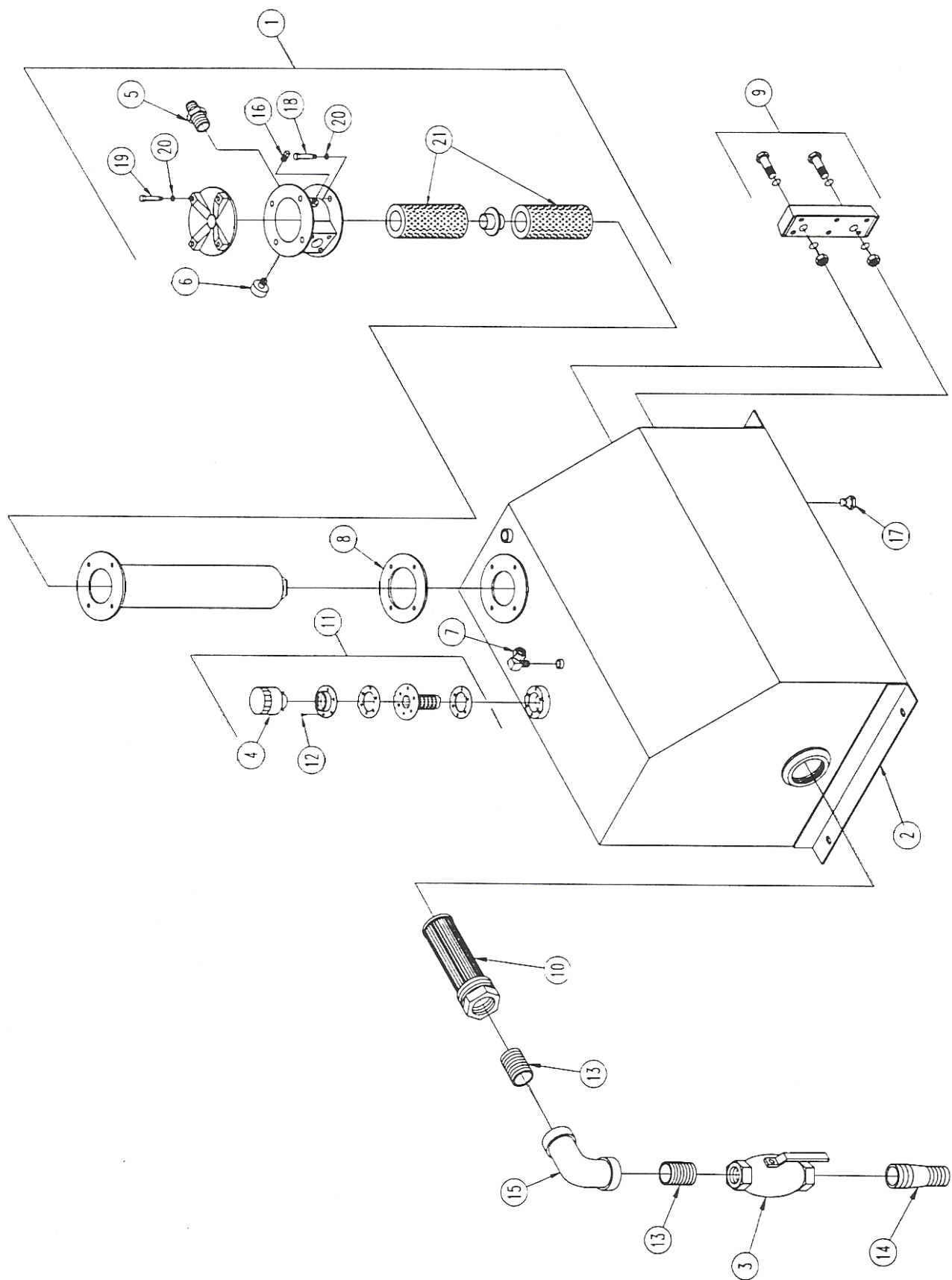
CONTROL VALVE



CONTROL VALVE

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0026-200	1	INLET
2	SW0026-201	1	VALVE SECTION
3	SW0026-202	1	VALVE SECTION
4	SW0026-203	1	VALVE SECTION
5	SW0026-205	1	MIDDLE INLET
6	SW0026-214	1	VALVE SECTION
7	SW0026-208	1	OUTLET
8	SW0026-204	1	VALVE SECTION
9	SW0026-215	4	STUD ASSEMBLY
9A	SW0026-209	4	STUD ASSEMBLY
9B	SW0026-210	4	STUD ASSEMBLY
10	SW0026-211	1	PNEUMATIC ACTIVATOR ASSEMBLY
11	SW0026-144	1	PNEUMATIC ACTIVATOR SEAL KIT
12	SW0026-134	6	SEAL KIT
13	SW0026-136	2	SEAL KIT
14	SW0026-137	2	SEAL KIT
15	SW0026-128	12	SEAL KIT

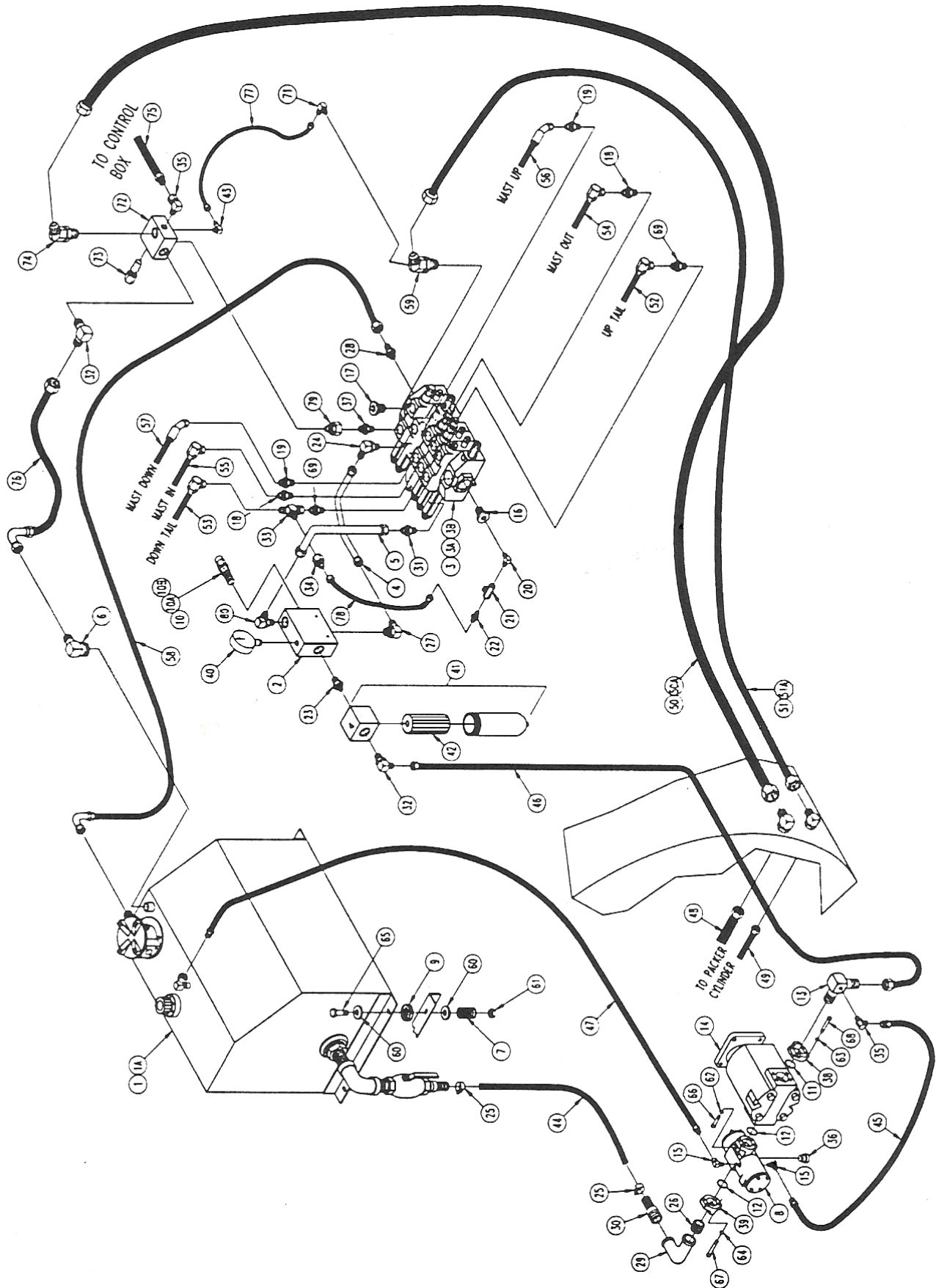
HYDRAULIC TANK



HYDRAULIC TANK

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0600-448	1	MODIFIED FILTER
2	SW0605-202	1	R.H. HYDRAULIC TANK STRUCTURE (L.H. UNITS)
2A	SW0605-210	1	L.H. HYDRAULIC TANK STRUCTURE (R.H. UNITS)
3	SW0024-042	1	BALL VALUE
4	SW0039-042	1	BREATHER CAP
5	SW0032-788	1	ADAPTER
6	SW0039-041	1	GAUGE
7	SW0034-890	1	ADAPTER
8	SW0039-011	1	GASKET
9	SW0039-078	1	SIGHT GAUGE
10	SW0039-121	1	SUCTION STRAINER
11	SW0039-132	1	BREATHER ASSEMBLY
12	SW0064-413	6	SCREW, #10 x .50 PAN HEAD
13	SW0041-808	2	2.00 NIPPLE
14	SW0041-846	1	2.00 COMBO NIPPLE
15	SW0042-124	1	2.00 ELL
16	SW0042-264	1	.13 PLUG
17	SW0042-399	1	1.25 PLUG
18	SW0060-399	4	CAPSCREW, .38 x1.25
19	SW0060-407	4	CAPSCREW, .38 x1.50
20	SW0067-034	8	.38 LOCKWASHER
21	SW0039-022	2	ELEMENT

HYDRAULIC SYSTEM



HYDRAULIC SYSTEM

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0605-194	1	L.H. HYDRAULIC TANK ASSEMBLY
1A	SW0605-183	1	R.H. HYDRAULIC TANK ASSEMBLY
2	SW0039-141	1	CARTRIDGE BLOCK
3	SW0024-019	1	VALVE
3A	SW0024-020	1	VALVE (W/1 OPTIONAL SECTION)
3B	SW0024-021	1	VALVE (W/2 OPTIONAL SECTION)
4	SW0089-010	1	TUBE ASSEMBLY
5	SW0089-011	1	TUBE ASSEMBLY
6	SW0035-175	1	ADAPTER
7	SW0045-220	4	COIL SPRING
8	SW0024-032	1	DRY VALVE
9	SW0045-212	4	RUBBER PAD
10	SW0026-022	1	20 G.P.M. CARTRIDGE
10A	SW0026-014	1	16 G.P.M. CARTRIDGE
10B	SW0026-023	1	25 G.P.M. CARTRIDGE
11	SW0027-285	1	O-RING
12	SW0027-310	2	O-RING
13	SW0604-436	1	MODIFIED FITTING
14	SW0028-019	1	PUMP
15	SW0036-098	2	ADAPTER
16	SW0605-124	1	MODIFIED FITTING
17	SW0036-459	1	PLUG
18	SW0033-507	2	ADAPTER
19	SW0033-540	2	ADAPTER
20	SW0035-900	1	ADAPTER
21	SW0024-095	1	FLOW CONTROL
22	SW0032-725	1	ADAPTER
23	SW0034-128	1	ADAPTER
24	SW0035-618	1	ADAPTER
25	SW0045-102	3	HOSE CLAMP
			(CONT.)

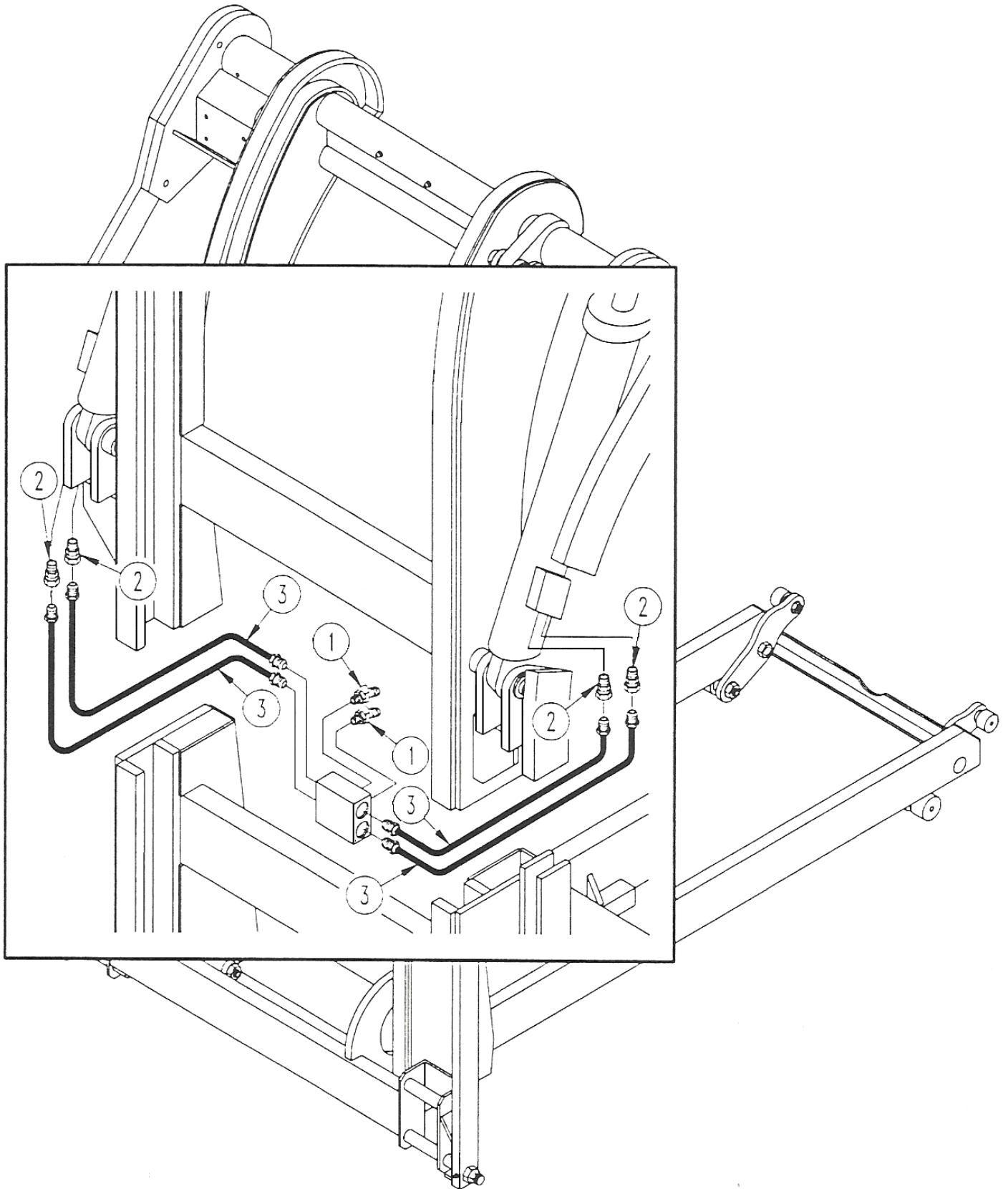
HYDRAULIC SYSTEM

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
26	SW0041-808	1	2.00 NIPPLE
27	SW0035-634	1	ADAPTER
28	SW0033-668	1	ADAPTER
29	SW0042-124	1	2.00 ELL
30	SW0041-846	1	COMBO NIPPLE
31	SW0033-596	1	ADAPTER
32	SW0035-645	2	ADAPTER
33	SW0036-858	1	ADAPTER
34	SW0034-133	1	ADAPTER
35	SW0034-878	2	ADAPTER
36	SW0036-283	1	ADAPTER
37	SW0033-631	1	ADAPTER
38	SW0037-397	1	FLANGE PAD
39	SW0037-421	1	FLANGE PAD
40	SW0039-105	1	GAUGE
41	SW0039-060	1	PRESSURE FILTER
42	SW0039-086	1	ELEMENT
43	SW0035-508	1	ADAPTER
44	SW0019-398	1	SUCTION HOSE 2.00 x _____(SPECIFY LENGTH)
45	SW0090-183	1	HOSE ASSEMBLY
46		1	HOSE ASSEMBLY
47		1	HOSE ASSEMBLY
48	SW0090-155	1	HOSE ASSEMBLY
49	SW0090-201	1	HOSE ASSEMBLY
50	SW0090-164	1	HOSE ASSEMBLY (L.H. UNIT)
50A	SW0090-165	1	HOSE ASSEMBLY (R.H. UNIT)
51	SW0090-203	1	HOSE ASSEMBLY (L.H. UNIT)
51A	SW0090-204	1	HOSE ASSEMBLY (R.H. UNIT)
52	SW0090-117	1	HOSE ASSEMBLY
53	SW0090-109	1	HOSE ASSEMBLY
			(CONT.)

HYDRAULIC SYSTEM

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
54	SW0090-036	1	HOSE ASSEMBLY
55	SW0090-035	1	HOSE ASSEMBLY
56	SW0090-235	1	HOSE ASSEMBLY
57	SW0090-249	1	HOSE ASSEMBLY
58	SW0090-174	1	HOSE ASSEMBLY
59	SW0604-439	1	MODIFIED FITTING
60	SW0066-055	8	.50 FLATWASHER
61	SW0065-209	4	HEX NUT, .50 NYLOCK
62	SW0067-056	4	.50 LOCKWASHER
63	SW0067-147	4	.44 LOCKWASHER
64	SW0067-155	4	.50 LOCKWASHER
65	SW0060-840	4	CAPSCREW, .50 x 3.50
66	SW0064-528	4	CAPSCREW, .50 x 1.25 SOCKETHEAD
67	SW0064-531	4	CAPSCREW, .50 x 2.00 SOCKETHEAD
68	SW0064-520	4	CAPSCREW, .50 x 1.75 SOCKETHEAD
69	SW0605-128	2	MODIFIED FITTING
70	SW0039-061	1	SEAL KIT
71	SW0035-116	1	ADAPTER
72	SW0039-139	1	ALUMINUM BLOCK
73	SW0039-140	1	CARTRIDGE
74	SW0034-666	1	ADAPTER
75	SW0090-050	1	HOSE ASSEMBLY
76	SW0090-347	1	HOSE ASSEMBLY
77	SW0090-340	1	HOSE ASSEMBLY
78	SW0090-051	1	HOSE ASSEMBLY
79	SW0034-125	1	ADAPTER
80	SW0035-626	1	ADAPTER

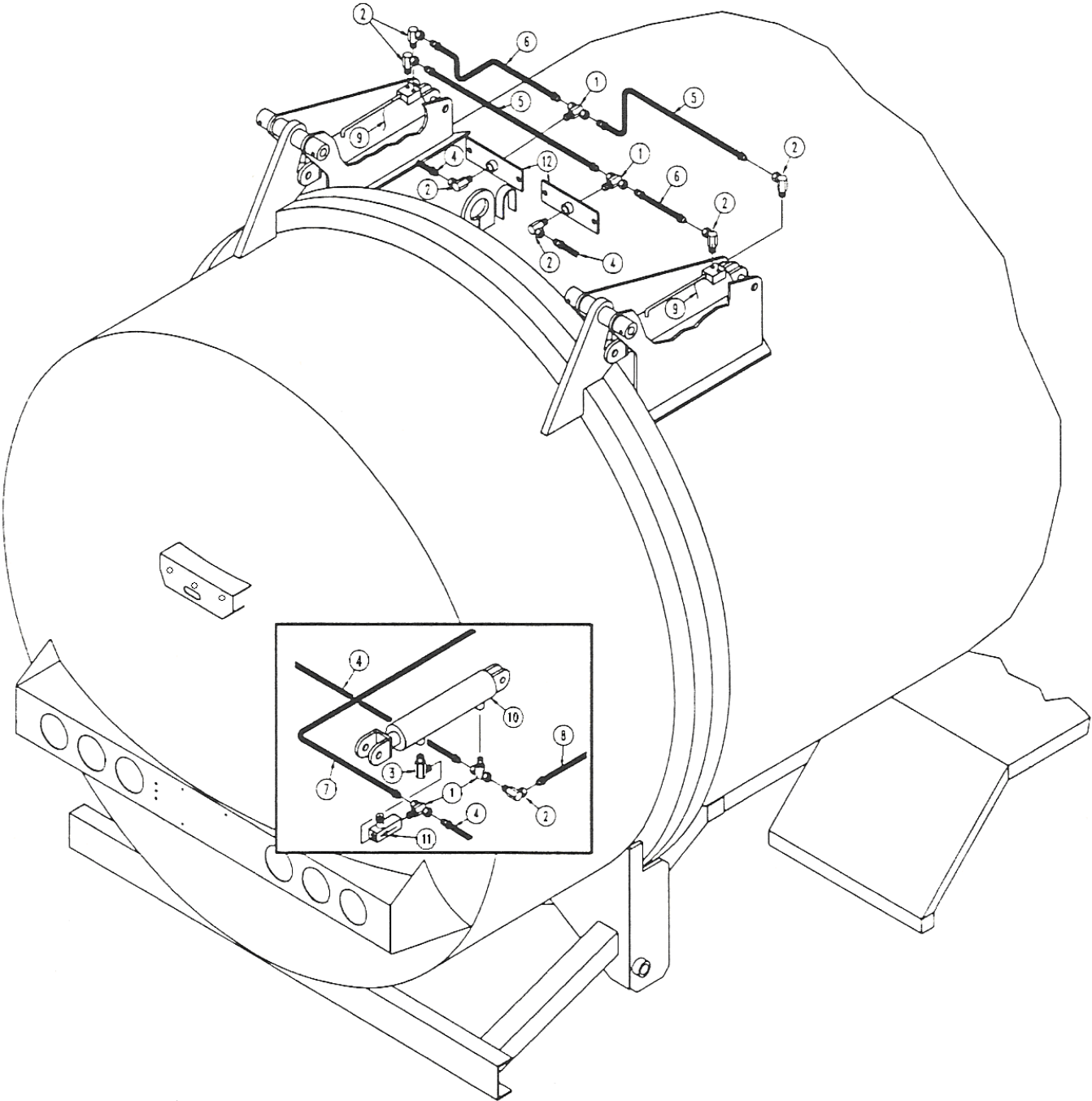
MAST HYDRAULICS



MAST HYDRAULICS

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0034-397	2	ADAPTER
2	SW0033-992	4	ADAPTER
3	SW0090-038	4	HYDRAULIC HOSE

END GATE HYDRAULICS



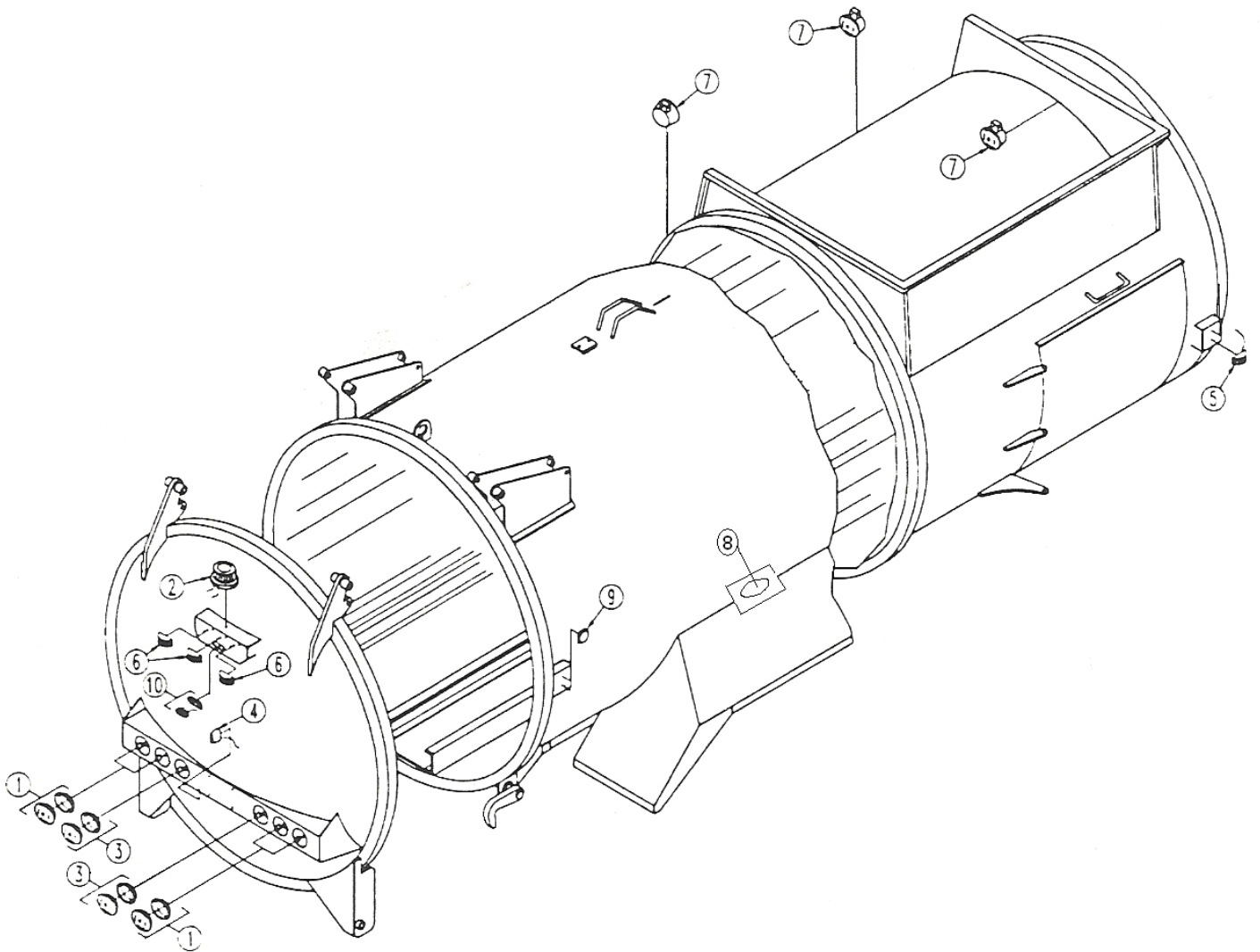
END GATE HYDRAULICS

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0036-627	4	ADAPTER
2	SW0034-946	6	ADAPTER
3	SW0035-895	1	ADAPTER
4	SW0090-018	2	HYDRAULIC HOSE
5	SW0090-101	2	HYDRAULIC HOSE
6	SW0090-085	2	HYDRAULIC HOSE
7	SW0090-109	1	HYDRAULIC HOSE
8	SW0090-117	1	HYDRAULIC HOSE
9	SW0020-150	2	HYDRAULIC CYLINDER
10	SW0020-112	1	HYDRAULIC CYLINDER
11	SW0024-098	1	FLOW CONTROL
12	(REF)	2	COUPLER STRUCTURE

SECTION 3 ELECTRICAL

Lights	3-1, 3-2
Cab Control Box Parts	3-3, 3-4
Outside Control Box Parts	3-5, 3-6
Cab Control Box Schematic	3-7
Outside Control Box Schematic	3-8

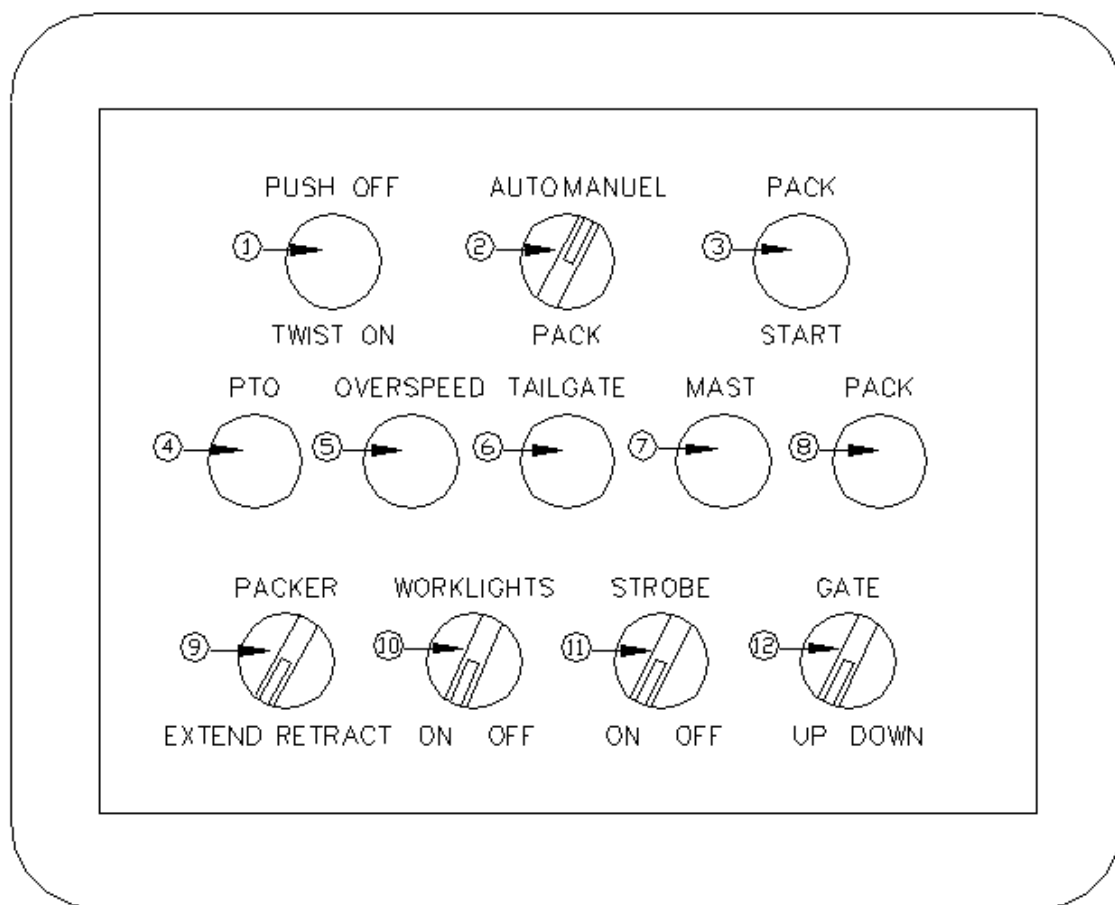
LIGHTS



LIGHTS

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0050-136	4	STOP/TURN LIGHT ASSEMBLY
2	SW0055-005	1	AMBER STROBE ASSEMBLY
3	SW0050-181	2	CLEAR BACK-UP LIGHT ASSEMBLY
4	SW0055-004	1	LICENSE PLATE LIGHT ASSEMBLY
5	SW0055-001	2	AMBER 2 1/2" LIGHT ASSEMBLY
6	SW0055-002	5	RED 2 1/2" MARKER LIGHT ASSEMBLY
7	SW0055-003	3	WORK LIGHT ASSEMBLY
8	SW0050-105	2	6 1/2" AMBER MARKER
9	SW0050-116	1	6 1/2" STOP LIGHT

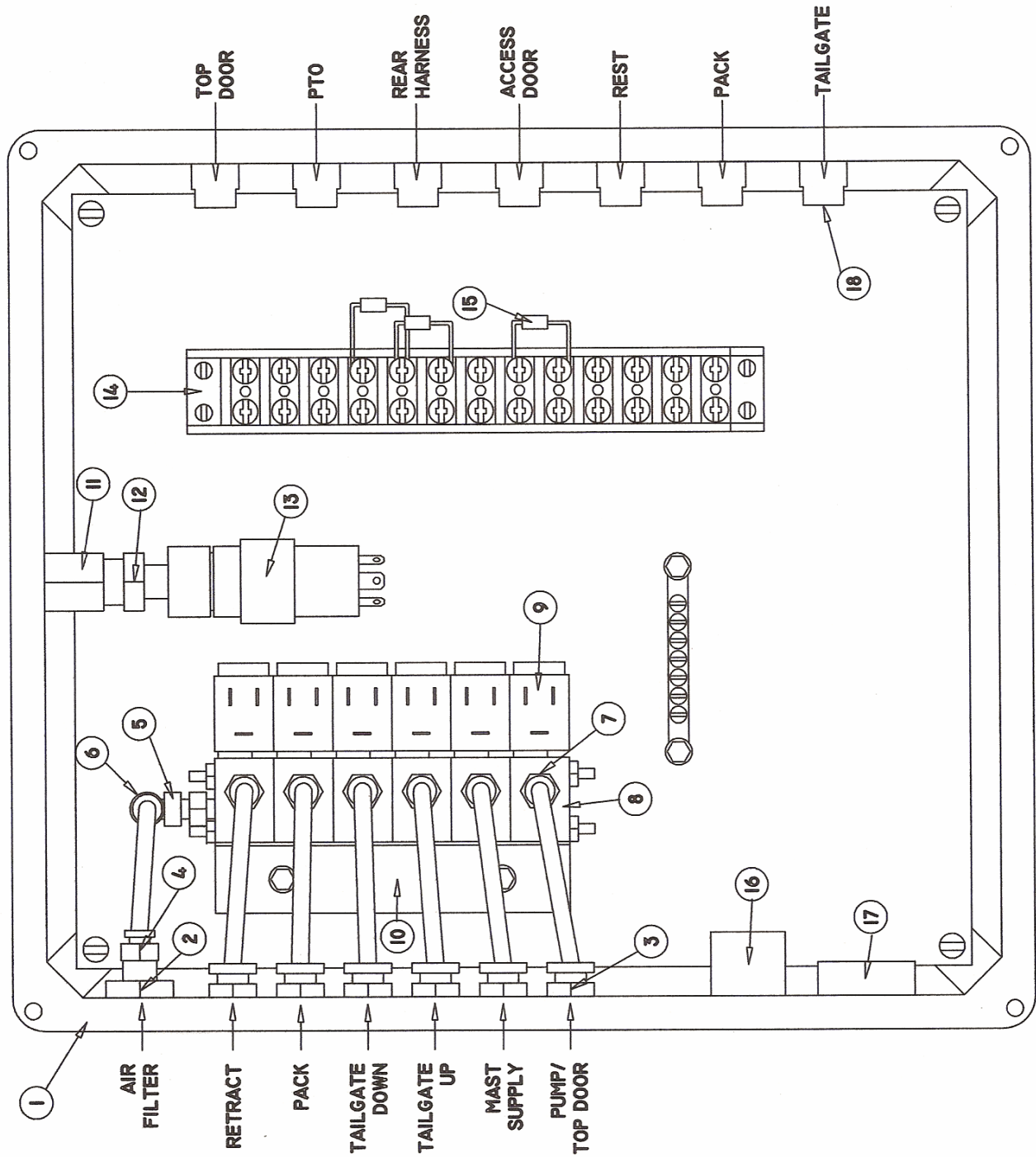
CAB CONTROL BOX PARTS



CAB CONTROL BOX PARTS

SEC CHAMPION			
Item	SEC Part number	QTY	Description
1	SW0080-101	1	TWIST ON SWITCH
2	SW0080-102	1	PACK AUTO/MANUAL SWITCH **
3	SW0080-103	1	PACK PUSH/PULL SWITCH
4	SW0080-201	1	PTO LIGHT
5	SW0080-202	1	OVERSPEED LIGHT
6	SW0080-203	1	TAILGATE LIGHT W/BUZZER
7	SW0080-204	1	MAST LIGHT
8	SW0080-205	1	PACK LIGHT
9	SW0080-104	1	EXTEND/RETRACT SWITCH
10	SW0080-102	1	WORKLIGHT SWITCH **
11	SW0080-102	1	STROBE SWITCH **
12	SW0080-107	1	GATE UP/DOWN SWITCH
**Note: Item 2, 10, and 11, are the same switch, with the exception that Item #2 requires an additional contact.			

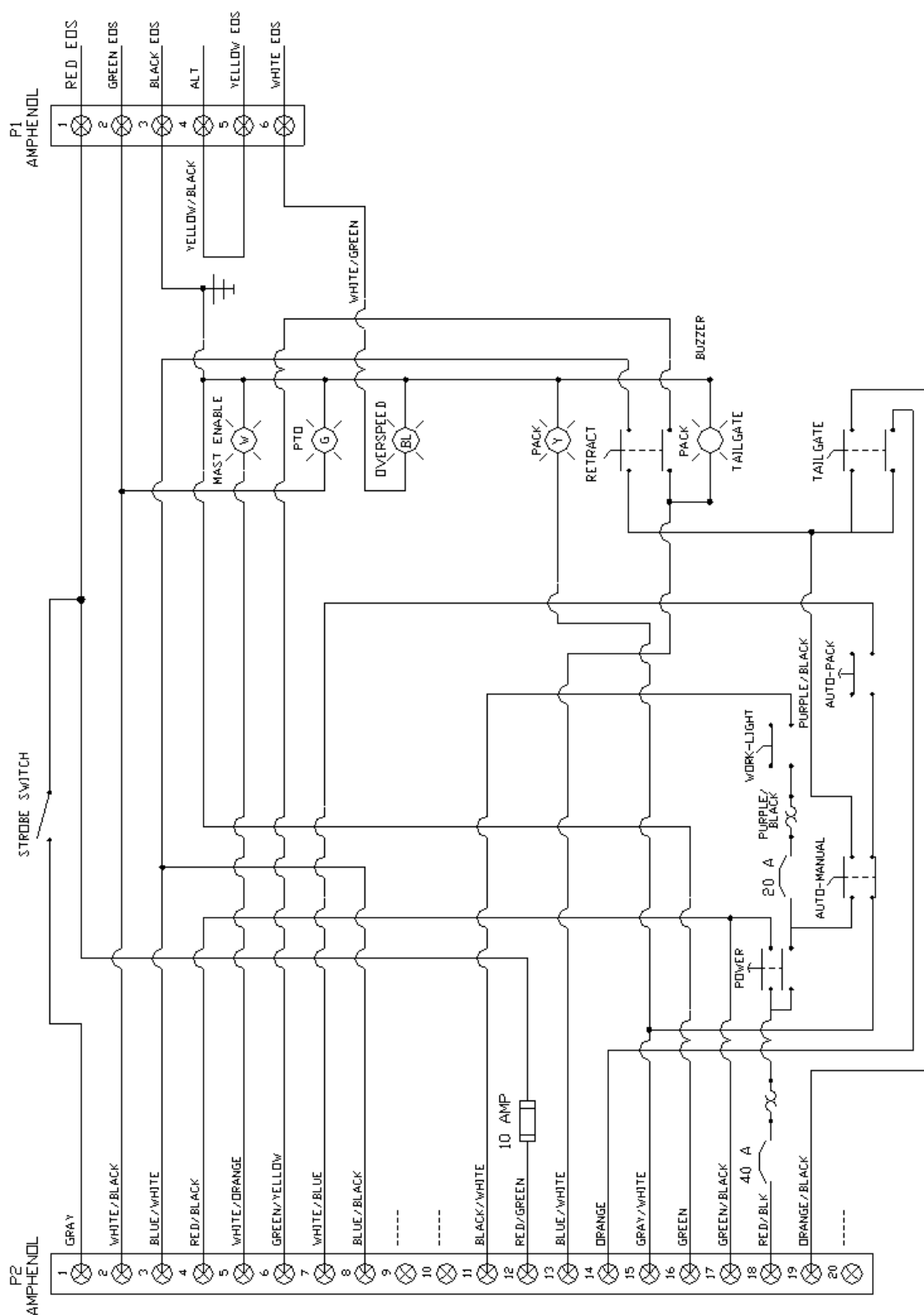
OUTSIDE CONTROL BOX PARTS



OUTSIDE CONTROL BOX PARTS

SEC CHAMPION			
Item	SEC Part number	QTY	Description
1	REF.	1	COMPLETE OUTSIDE CONTROL BOX
2	REF.	1	FITTING
3	SW0085-068	6	AIR FITTING (BULKHEAD)
4	SW0085-075	1	AIR FITTING
5	SW0085-037	1	AIR FITTING
6			
7	SW085-059	6	AIR FITTING
8	SW0085-204	6	VALVES
9	SW0085-203	6	COILS
10	REF.	1	PLATE
11	REF.	1	FITTING (BULKHEAD)
12	REF.	1	FITTING
13	SW0039-098	1	PRESSURE SWITCH
14	SW0039-001	1	TERMINAL STRIP
15	SW0039-002	3	DIODE
16	SW0100-302	1	CONNECTOR
17	SW0100-308	1	CONNECTOR
18	SW0100-304	7	CONNECTOR

CAB CONTROL BOX SCHEMATIC



OUTSIDE CONTROL BOX SCHEMATIC

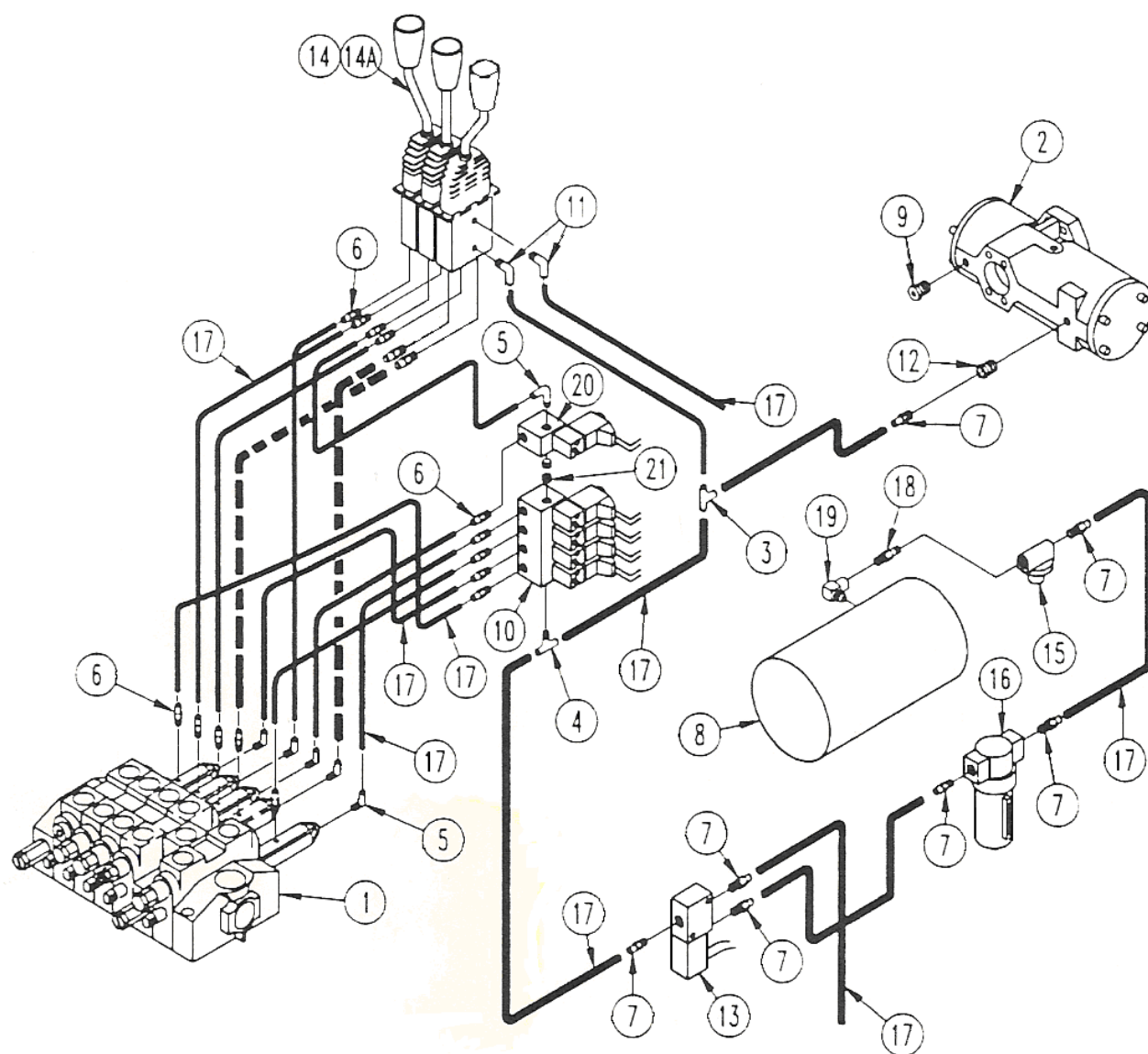
SECTION 4

AIR

AIR SYSTEM

4-1, 4-2

AIR SYSTEM



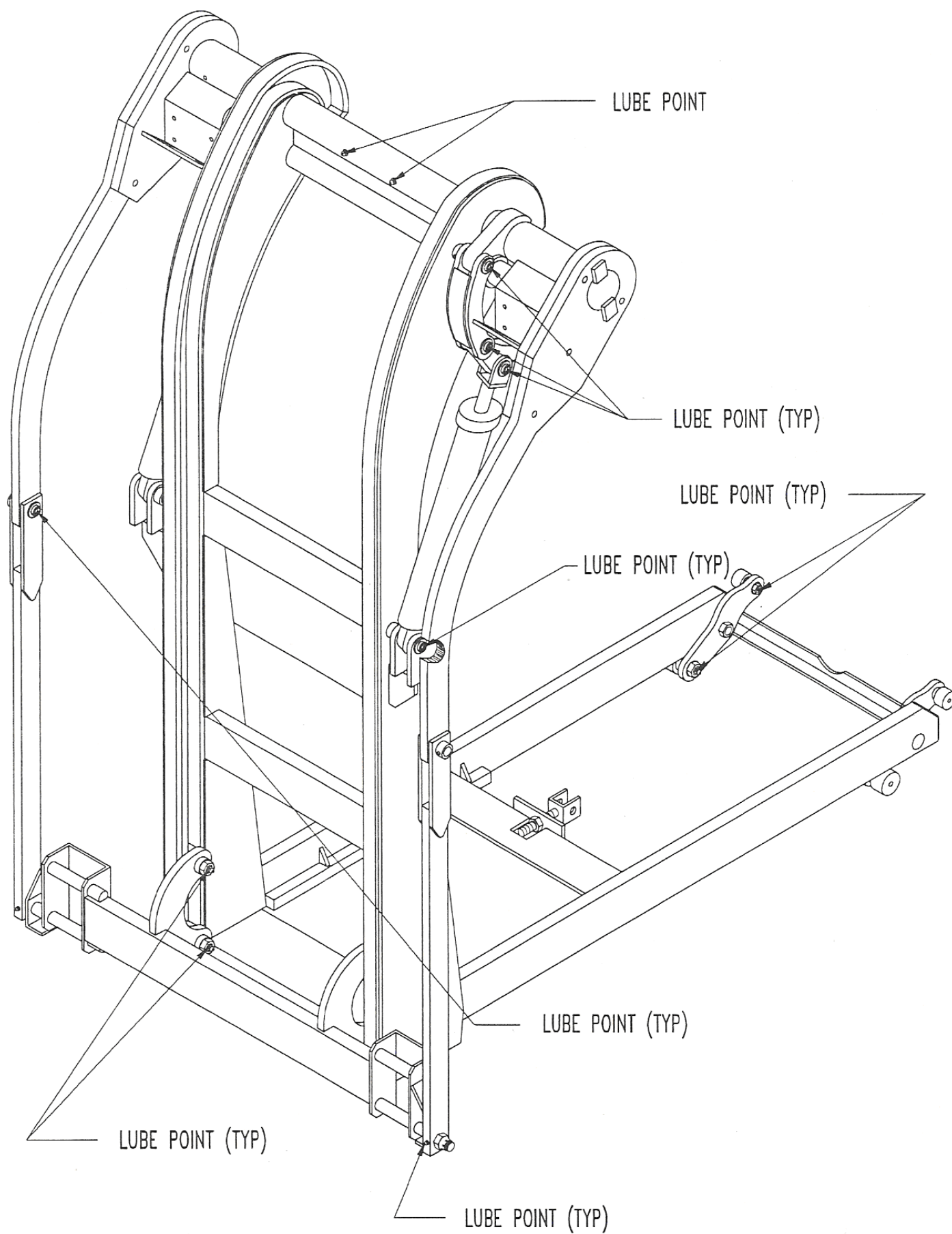
AIR SYSTEM

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	(REF)	1	VALVE BLOCK
2	SW0024-032	1	DRY VALVE
3	SW0085-018	1	ADAPTER
4	SW0085-024	1	ADAPTER
5	SW0085-037	6	ADAPTER
6	SW0085-059	16	ADAPTER
7	SW0085-067	7	ADAPTER
8	(REF)	1	AIR TANK
9	SW0605-130	1	MODIFIED FITTING
10	SW0085-206	1	6 STATION VALVE BANK
11	SW0085-075	2	ADAPTER
12	SW0033-852	1	ADAPTER
13	SW0085-280	1	SOLENOID
14	SW0085-553	1	AIR VALVE (3 BANK)
14A	SW0085-545	1	AIR VALVE (2 BANK)
15	SW0085-526	1	ONE WAY CHECK VALVE
16	SW0085-534	1	AUTO DRAIN AIR VALVE
17	SW0019-467	19	.25 AIR BRAKE TUBING (SPECIFY LENGTH)
18	SW0033-005	1	ADAPTER
19	SW0035-296	1	ADAPTER
20	SW0085-499	1	SINGLE VALVE BANK
21	SW0036-345	2	PLUG, .13 HEX

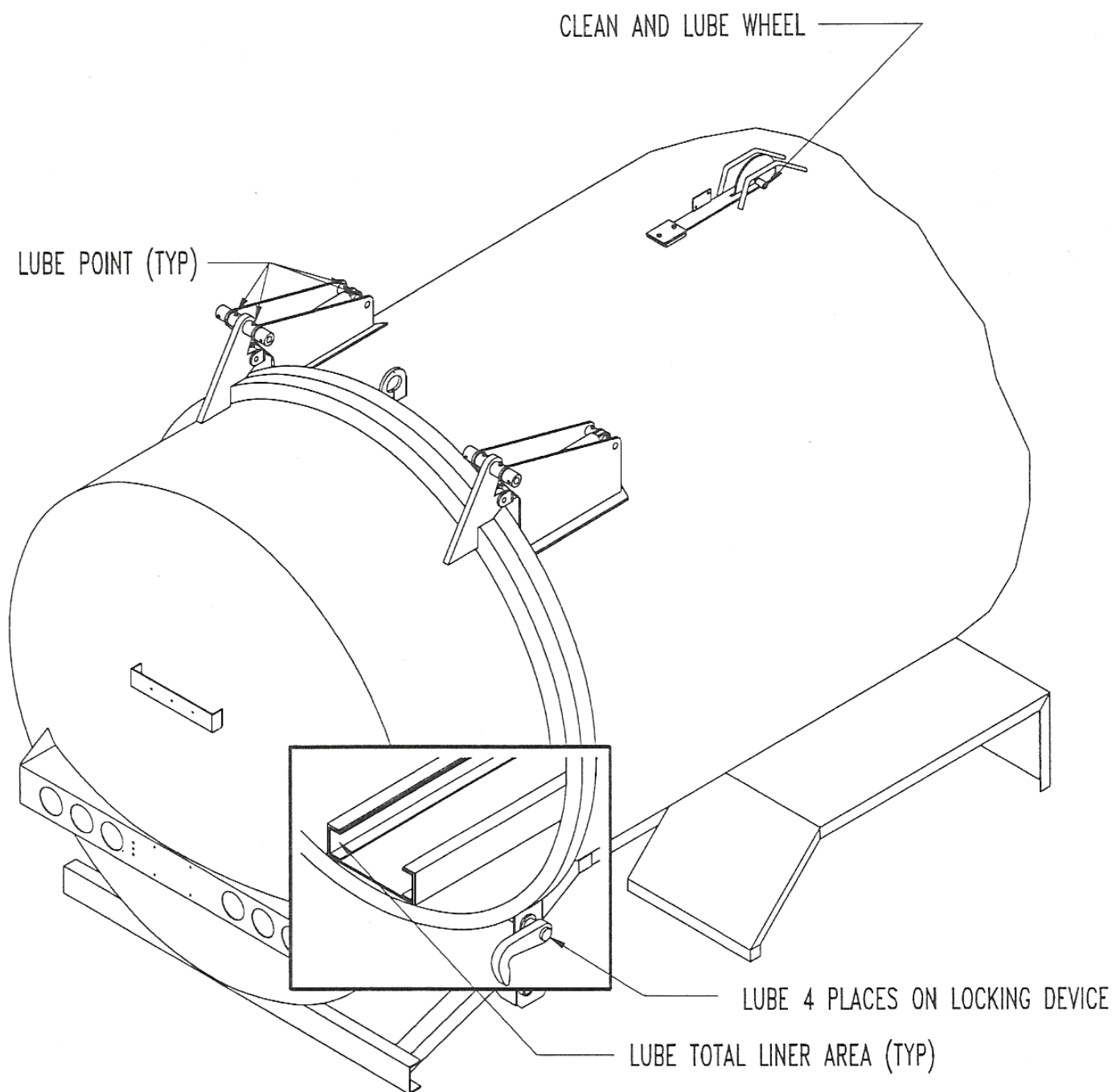
SECTION 5 LUBRICATION

MAST & LIFTING ATTACHMENTS	5-1
BODY GROUP	5-2
ACCESS DOOR	5-3

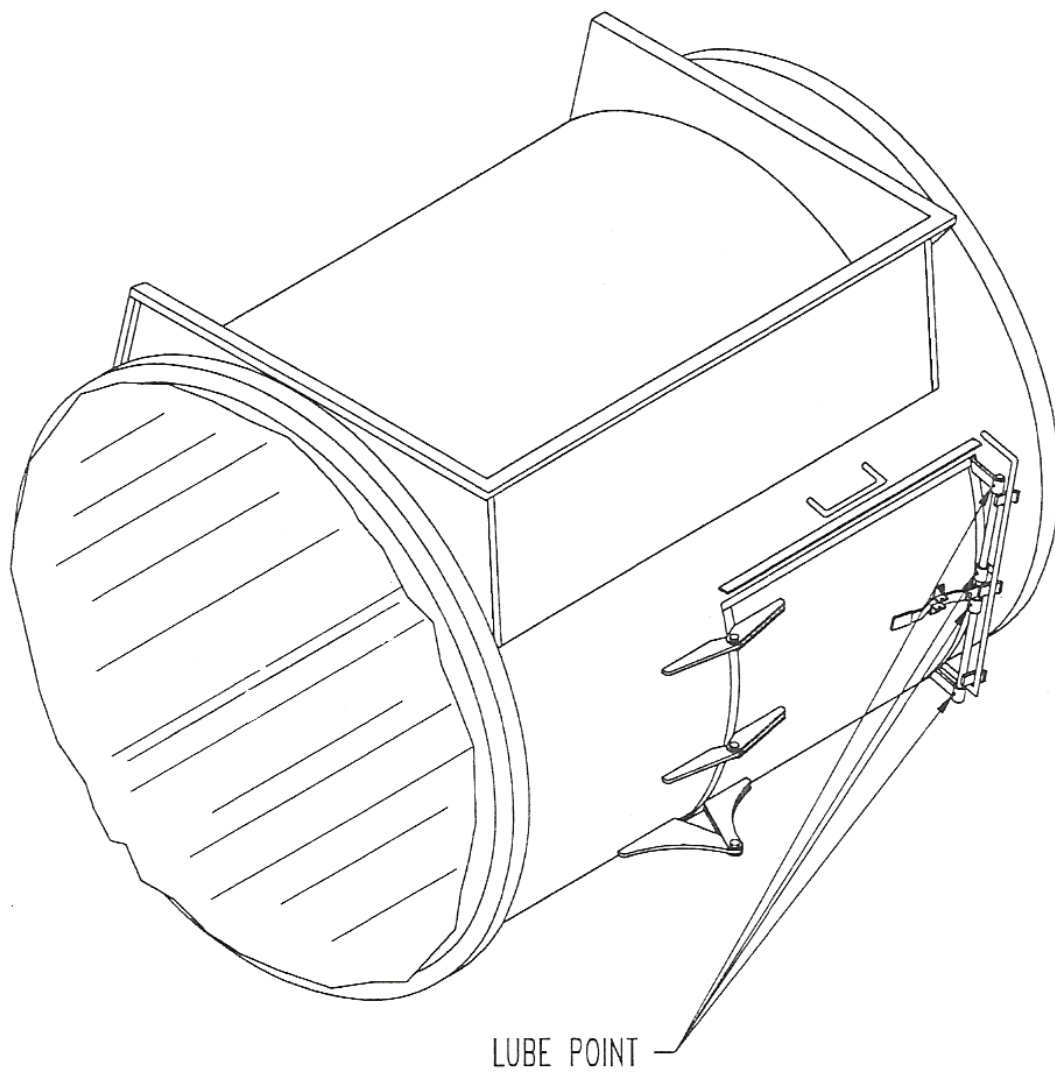
MAST & LIFTING ATTACHMENTS



BODY GROUP



ACCESS DOOR



SECTION 6 OPTIONS

GRABBER

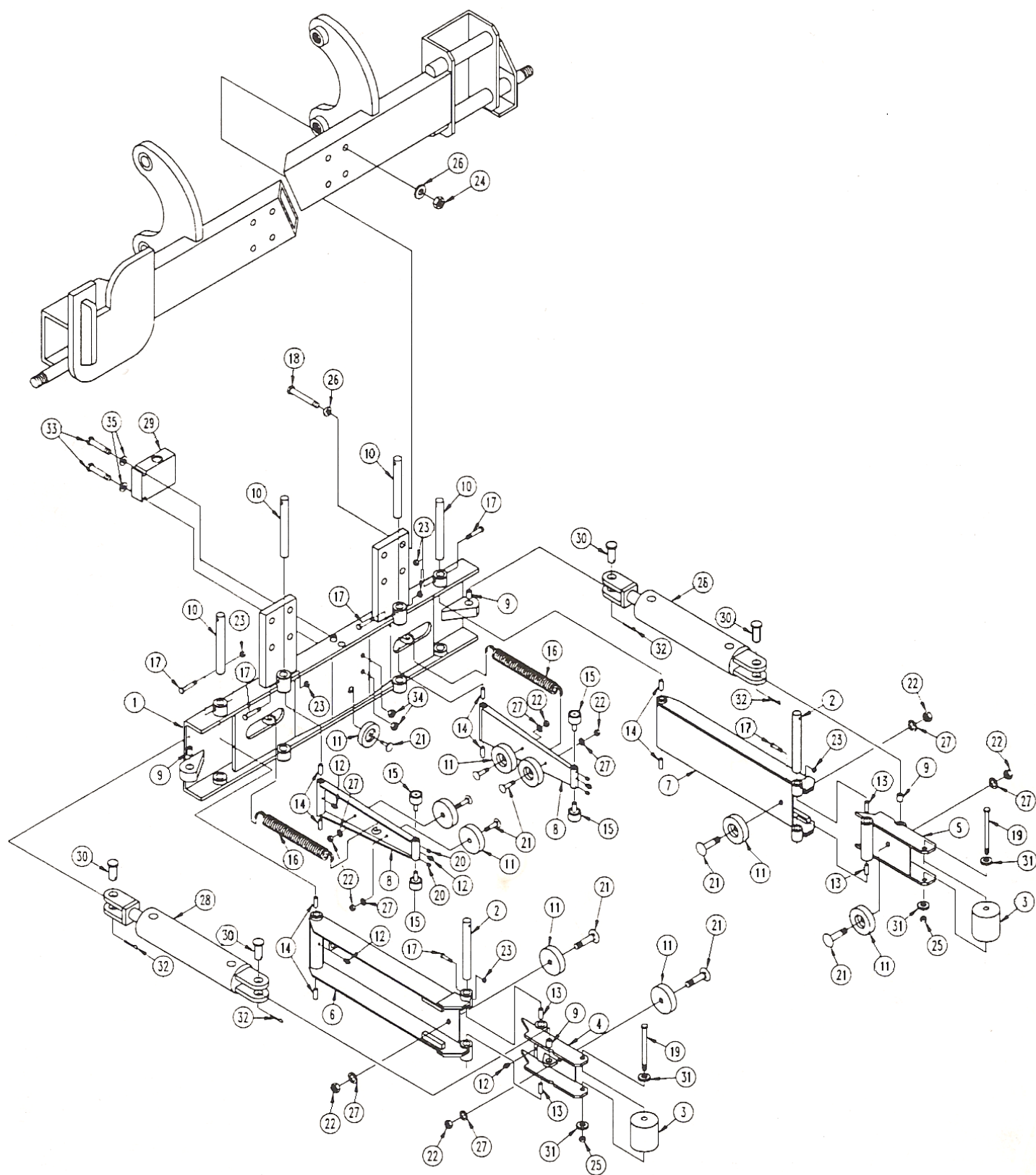
6-1, 6-2

GRABBER HYDRAULICS

6-3, 6-4

UNIVERSAL GRABBER

Part # SW6070-205



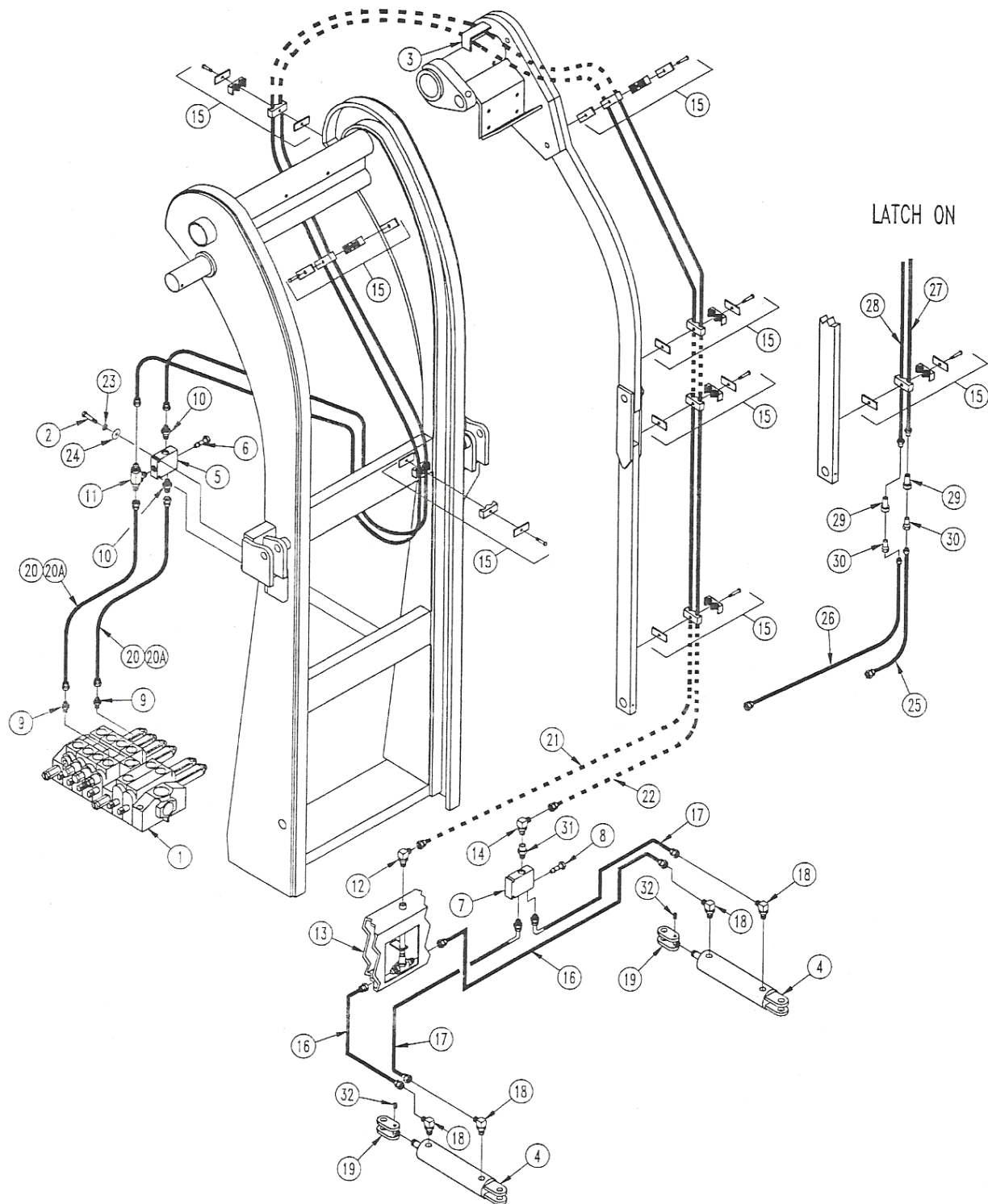
UNIVERSAL GRABBER

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1	SW0607-201	1	Universal Back Structure
2	SW0607-224	2	Drilled Pin
3	SW0607-108	2	Rubber Roller
4	SW0607-238	1	LH Outer Arm Structure
5	SW0607-239	1	RH Outer Arm Structure
6	SW0607-247	1	LH Middle Arm Structure
7	SW0607-248	1	RH Middle Arm Structure
8	SW0607-255	2	Inner Arm Structure
9	SW0607-106	4	Bushing
10	SW0607-540	4	Drilled Pin
11	SW0607-545	7	Rubber Bumper
12	SW0041-032	8	Lube Fitting
13	SW0044-296	4	Bushings
14	SW0044-297	8	Bushings
15	SW0044-533	4	Camfollower
16	SW0045-242	2	Extension Springs
17	SW0060-434	6	Capscrews
18	SW0060-869	8	Capscrews
19	SW0061-534	2	Capscrews
20	SW0064-634	4	Setscrews
21	SW0064-754	7	Elevator Bolts
22	SW0065-032	7	Nylock Nut
23	SW0065-180	6	Nylock Nut
24	SW0065-209	8	Nylock Nut
25	SW0065-532	2	Hex Nut
26	SW0066-055	16	Flatwasher
27	SW0067-034	7	Lockwashers
28	REF	2	Hydraulic Cylinder
29	REF	1	Cartridge Block
30	SW0040-169	4	Clevis Pins
31	SW0066-089	4	Flatwasher
32	SW0040-512	4	Cotter Pins
33	SW0060-082	2	Capscrews
34	SW0065-164	2	Nylock Nut
35	SW0066-014	2	Flatwasher

GRABBER HYDRAULICS

Part # SW6070-205

(GW200-2A Series)



GRABBER HYDRAULICS

Part # SW6070-205

SEC CHALLENGER			
Item	SEC Part number	QTY	Description
1		1	VALVE
2	SW0066-074	2	CAPSCREW
3	SW0607-197	1	FORMED FLAT
4	SW0020-095	2	HYDRAULIC CYLINDER
5	SW0039-142S	1	CARTRIDGE BLOCK
6	SW0039-144S	1	CARTRIDGE
7	SW0039-148S	1	PO CHECK
8			
9	SW0033-507	2	ADAPTER
10	SW0033-483	2	ADAPTER
11	SW0036-700	1	ADAPTER
12	SW0035-121	1	ADAPTER
13			GRABBER BACK STRUCTURE
14	SW0035-118	1	ADAPTER
15	SW0045-237	7	DOUBLE HOSE CLAMP
16	SW0090-026	1	HYDRAULIC HOSE
17	SW0090-025	1	HYDRAULIC HOSE
18	SW0035-116	4	ADAPTER
19	SW0607-275	2	CLEVIS STRUCTURE
20	SW0090-016	1	HYDRAULIC HOSE (48" REACH)
21	SW0090-008	1	HYDRAULIC HOSE
22	SW0090-007	1	HYDRAULIC HOSE
23	SW0067-015	2	1/4" LOCKWASHER
24	SW0066-014	2	1/4" FLATWASHER
25	SW0033-855	1	ADAPTER
26	SW0035-116	4	ADAPTER
27	SW0064-631	2	SETSCREWS