

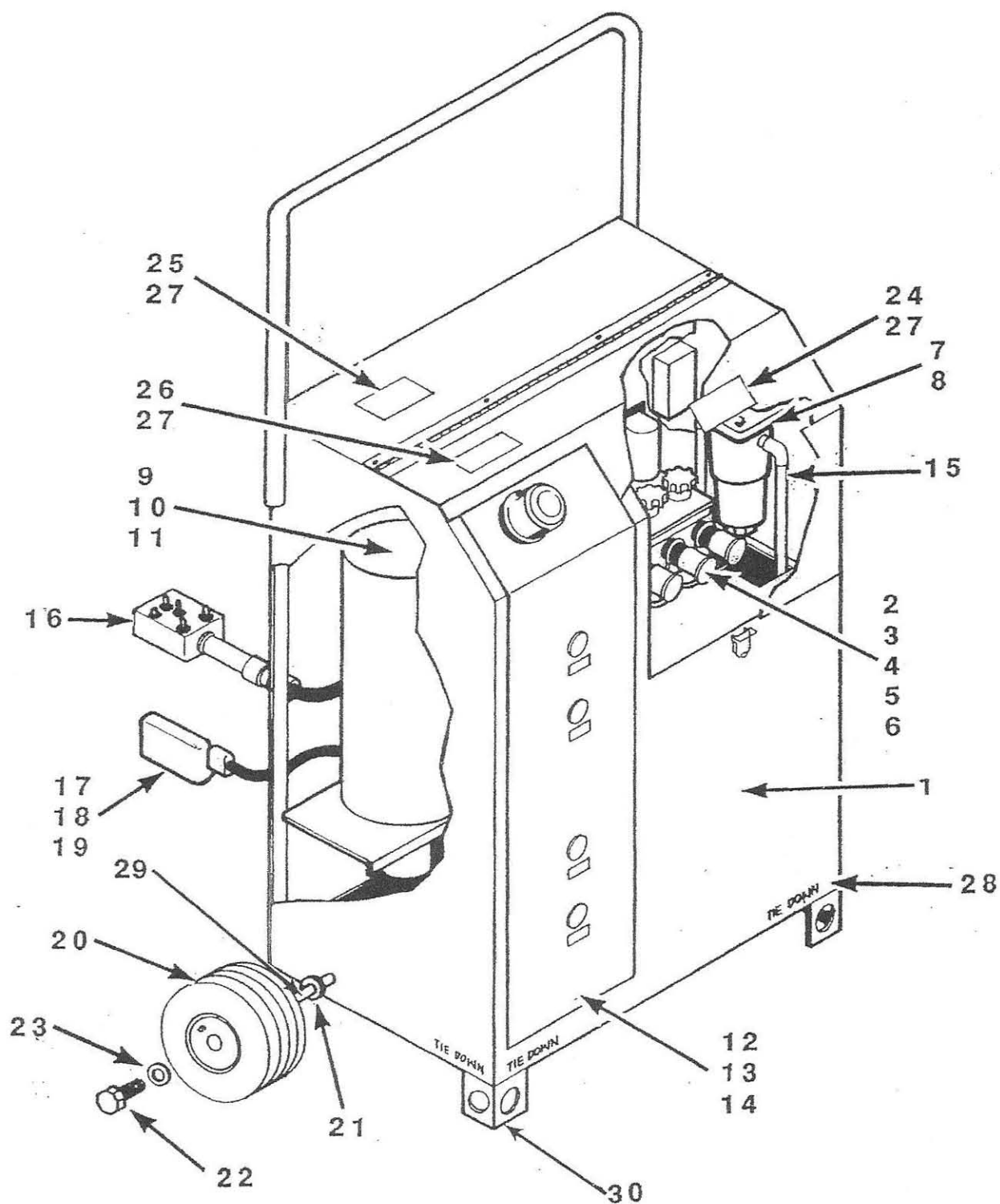


FIGURE 1. HYDRAULIC KNEELING/ERECTING CART

SECTION II

REPAIR PARTS AND SPECIAL TOOLS LIST

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 00 : HYDRAULIC KNEELING / ERECTING CART	
				GROUP 01: WHEEL GROUP 0101 WHEEL GROUP 0310: FILTER	
				FIGURE 1. HYDRAULIC KNEELING / ERECTING CART	
1			20080-10	FRAME / CABINET ASSY (SEE FIGURE 2 FOR BREAKDOWN)	1
2			20081-20	MANIFOLD ASSY (SEE FIGURE 3 FOR BREAKDOWN)	1
3			MS51967-2	NUT, PLAIN, HEX	4
4			MS35338-44	WASHER, LOCK	4
5			MS27183-10	WASHER, FLAT	4
6			41023-01	STANDOFF	4
7			DFBN/HC30G3 B1.0/12	FILTER, PRESS, HYD	1
			0060D010BN/HC	.. ELEMENT	V
8			40179-1	BOLT, WASHER HD, HEX	4
9			20078-10	MOTOR AND PUMP ASSY (SEE FIGURE 4 FOR BREAKDOWN)	1
10			MS90726-3	SCREW, HEX HD	4
11			MS35338-46	WASHER, LOCK	4
12			20079-10	RESERVOIR ASSY (SEE FIGURE 5 FOR BREAKDOWN)	1
13			MS90726-3	SCREW, HEX HD	4
14			MS51943-31	NUT, NYLOCK	4
15			20082-10	HYDRAULIC PIPING ASSY (SEE FIGURE 6 FOR BREAKDOWN)	1
16			20083-10	CONTROL BOX ASSY (SEE FIGURE 7 FOR BREAKDOWN)	1
17			20084-10	ELECTRICAL COMPONENTS AND WIRING ASSY (SEE FIGURE 8 FOR BREAKDOWN)	1
18			40179-1	BOLT, WASHER HD, HEX	2
19			MS21044N3	NUT, NYLOCK	2
20			8352T28	WHEEL, SEMI-PNEUMATIC	2
21			MS27183-23	WASHER, FLAT	2
22			MS90725-55	SCREW, HEX HD	2
23			MS27183-14	WASHER, FLAT	2
24			41018-01	NPL, IDENT	1
25			41019-03	NPL, WARNING	1
				END OF FIGURE	

SECTION II

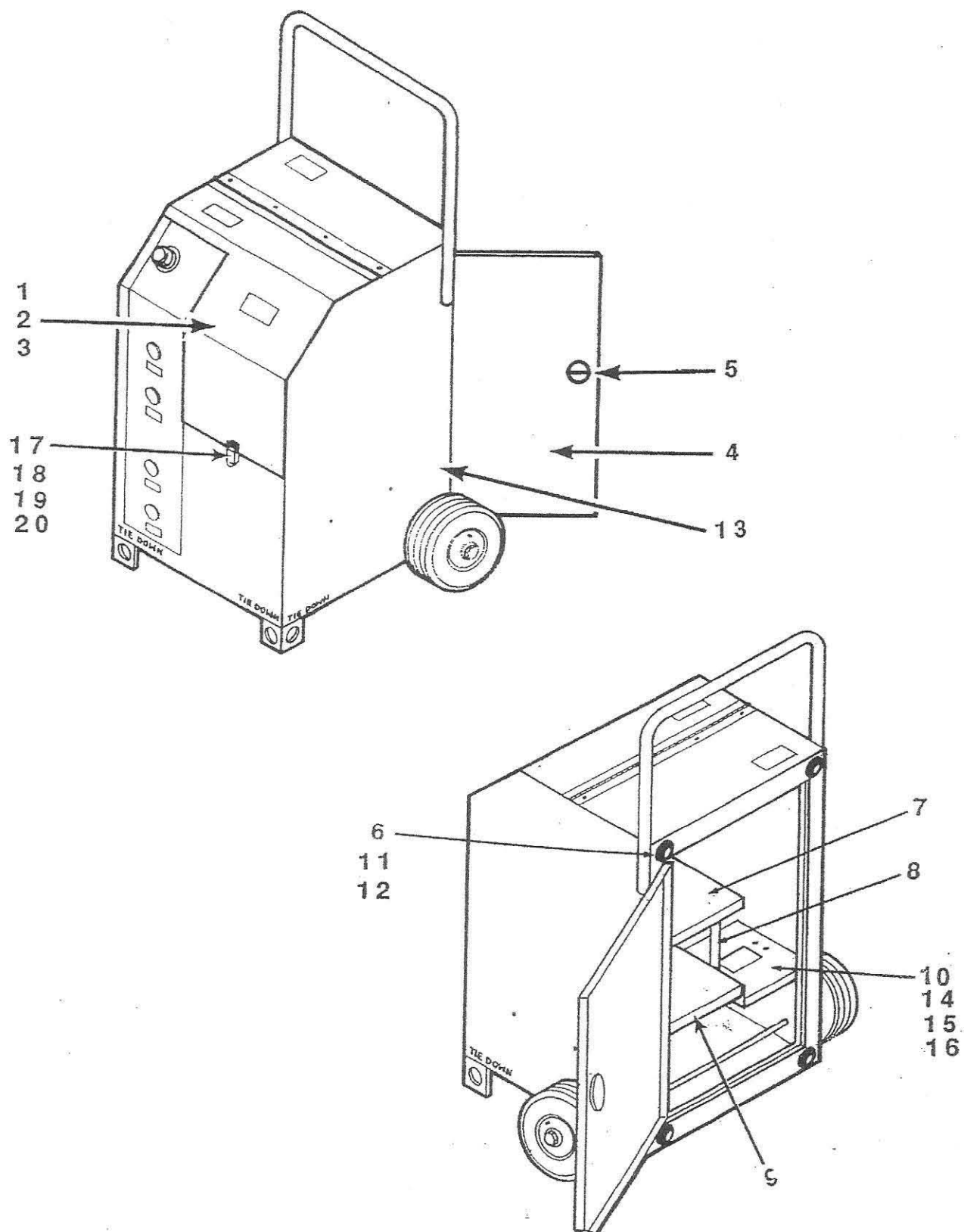


FIGURE 2. FRAME/CABINET ASSEMBLY

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 02: FRAME /CABINET ASSY	
				GROUP 0201: CONTROL PANEL COVER AND LATCH ASSEMBLY	
				GROUP 0202: CABINET DOOR GROUP 0203: DOOR LOCK	
				FIGURE 2: FRAME / CABINET ASSY	
			20080-10	FRAME / CABINET ASSY (SEE FIGURE 1 FOR NHA)	
1			41010-01	COVER, CONTROL PANEL	1
2			40179-1	BOLT, WASHER HD	4
3			MS21044N3	NUT, NYLOCK	4
4			41009-01	DOOR, CABINET	1
5			01-13-45	LOCK, DOOR	1
6			9540K28	BUMPER, RUBBER	4
7			41003-33	TRAY, UPPER (WELDED)	REF
8			41003-37	SUPPORT, TRAY (WELDED)	REF
9			41003-35	TRAY, LOWER (WELDED)	REF
10			41013-01	BRACKET, MOTOR	1
11			40179-1	BOLT, WASHER HD	4
12			MS21044N3	NUT, NYLOCK	4
13			41003-01	FRAME / CABINET (WELDED)	1
14			MS90725-6	SCREW, CAP	4
15			MS35338-44	WASHER, LOCK	4
16			MS51967-2	NUT, PLAIN	4
17			HC83314-42-LALB-SS	CATCH	1
18			MS35206-230	SCREW, MACH, PNH	2
19			MS27183-5	WASHER, FLAT	2
20			MS21044N06	NUT, SELF-LOCK	2
				END OF FIGURE	

SECTION II

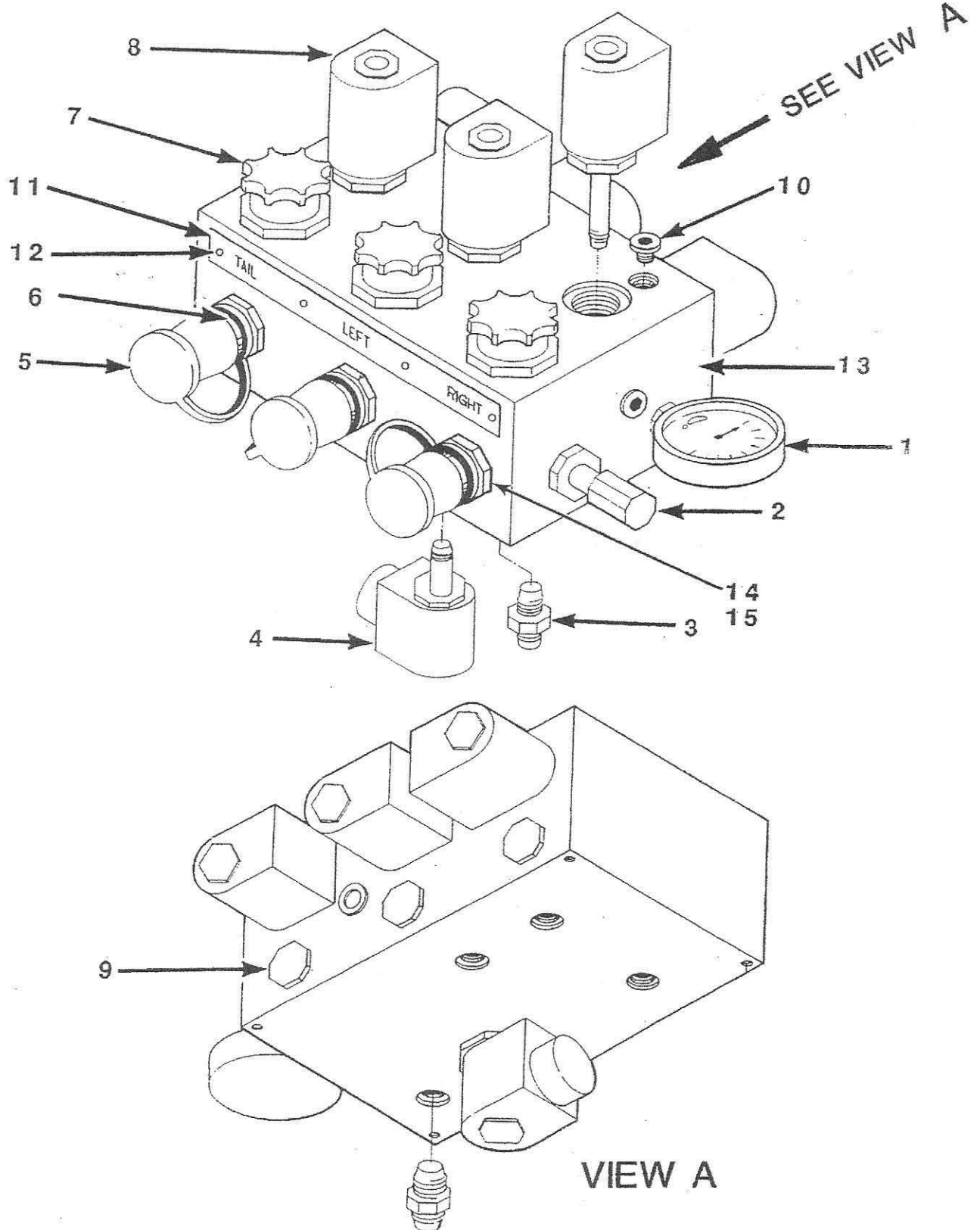


FIGURE 3. MANIFOLD ASSEMBLY

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 3: HYDRAULIC SYSTEM GROUP 0302: PRESSURE GAGE GROUP 0303: RELIEF VALVE GROUP 0304: SOLENOID VALVE GROUP 0305: QUICK DISCONNECT GROUP 0306: NEEDLE VALVE GROUP 0307: NEEDLE VALVE GROUP 0308: CHECK VALVE GROUP 0309: MANIFOLD FIGURE 3. MANIFOLD ASSEMBLY	
			20081-10	MANIFOLD ASSY (SEE FIGURE 1 FOR NHA)	
1			25.300-5000PSI-1/4NPT	GAGE	1
2			RV6-10-C-0-100-3000	VALVE, RELIEF, SPECIAL	1
			MS28778-10	O ' RING (REPLACEMENT)	1
			MS28775-014	O ' RING (REPLACEMENT)	1
			MS28774-014	BACK- UP WASHER	1
3			MS51525B6	CONNECTOR, STR THD	4
4			SV4-10-0-0-24DW	VALVE, SOLENOID	1
			MS28778-10	O ' RING (REPLACEMENT)	1
			MS28775-014	O ' RING (REPLACEMENT)	1
			MS28774-014	BACK - UP WASHER (REPLACEMENT)	2
5			PDC-12	CAP, DUST	3
6			3302-4	QUICK- DISCONNECT	3
7			NV1-10-K-0	VALVE, NEEDLE	3
			MS28778-10	O ' RING (REPLACEMENT)	1
			MS28775-014	O ' RING (REPLACEMENT)	1
			MS28774-014	BACK-UP WASHER (REPLACEMENT)	2
8			SV3-10-C-0-24DW	VALVE, SOLENOID	6
			MS28778-10	O ' RING (REPLACEMENT)	1
			MS28775-014	O ' RING (REPLACEMENT)	1
			MS28774-014	BACK - UP WASHER (REPLACEMENT)	1
9			CV1-10-B-0-5	VALVE, CHECK	3
			MS28778-10	O ' RING (REPLACEMENT)	1
			MS28775-014	O ' RING (REPLACEMENT)	1
			MS28774-014	BACK-UP WASHER (REPLACEMENT)	1
10			4HP50N-S	PLUG, HOLLOW, HEX	5
11			41019-05	NPL, TAIL-LEFT-RIGHT	1
12			MS21318-19	SCREW, DRIVE	4
13			50167-01	MANIFOLD	1
14			91079A032	NUT, HEX JAM	3
15			MS29512-4	O ' RING GASKET	3
				END OF FIGURE	

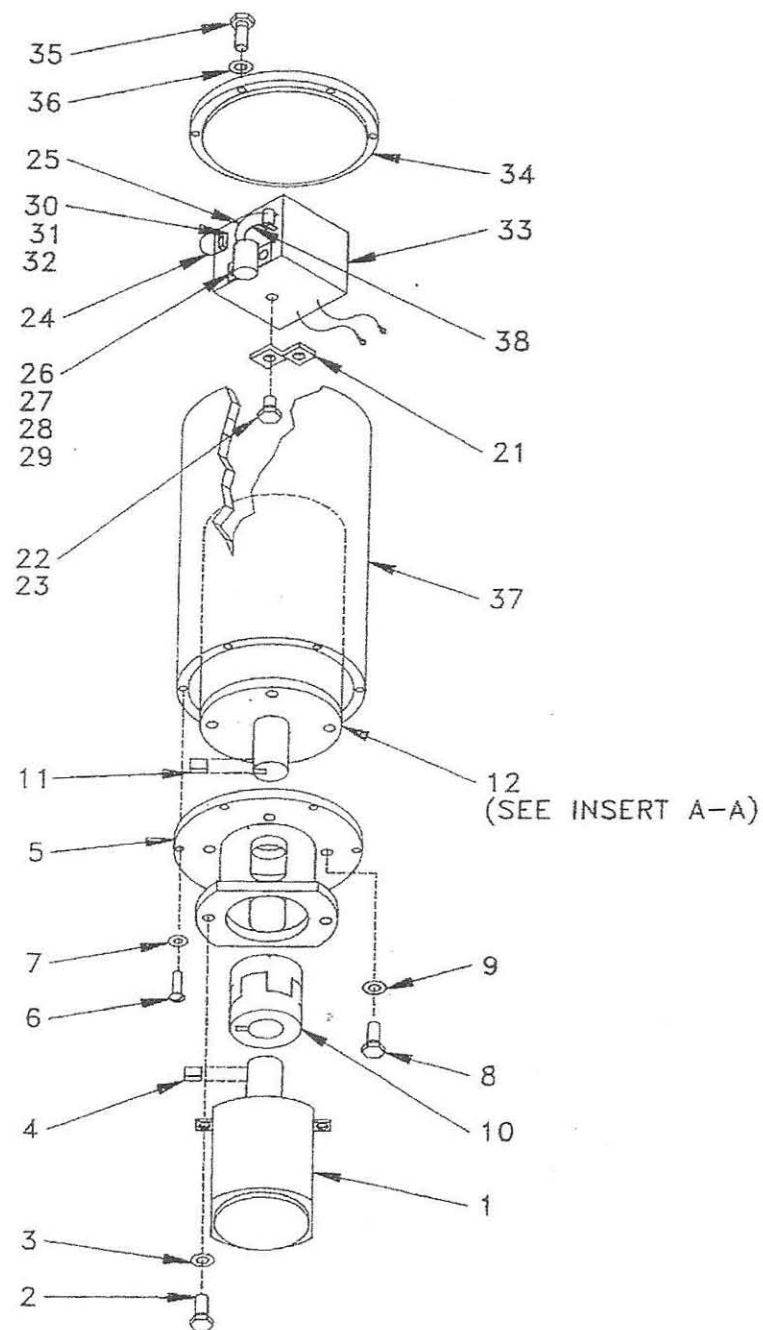


FIGURE 4. MOTOR AND PUMP ASSEMBLY (PAGE 1 OF 2)

SECTION II

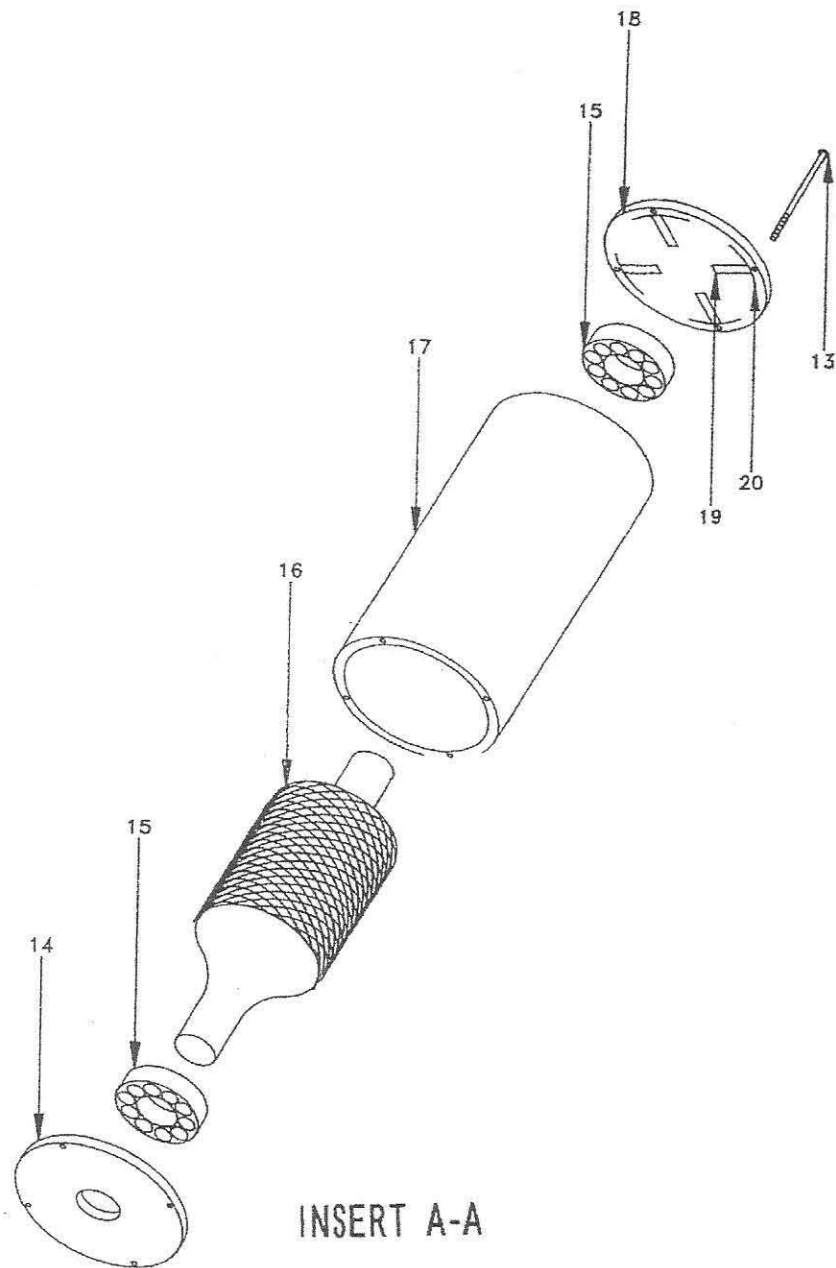


FIGURE 4. MOTOR AND PUMP ASSEMBLY (PAGE 2 OF 2)

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 04: ELECTRICAL SYSTEM GROUP 0301: GEAR PUMP GROUP 0401: DC MOTOR GROUP 0402: FLEXIBLE COUPLING GROUP 0403: START RELAY AND CIRCUIT BREAKER FIGURE 4. MOTOR AND PUMP ASSEMBLY	
			20078-10	MOTOR AND PUMP ASSY (SEE FIGURE 1 NHA)	
1			TFP1002.DCI06	PUMP, GEAR HYD	1
2			MS90725-58	SCREW, CAP, HEX	2
3			MS35338-46	WASHER, LOCK	2
4			41007-01	KEY (PUMP SHAFT)	1
5			41002-01	ADAPTER, MOTOR / PUMP	1
6			MS35206-247	SCREW, MACH, PNH	6
7			MS35338-42	WASHER, LOCK	6
8			MS90725-10	SCREW, CAP, HEX HD	4
9			MS35338-44	WASHER, LOCK	4
10			L- 075	COUPLING ASSY, FLEX	1
				COUPLING HALF, PUMP SHAFT 1/2 IN BORE, W 1/8 IN. KEY & SET SCREW	1
				SPIDER (L075SOX)	1
11			41007-03	KEY, MOTOR SHAFT	1
12			4BD-X588	ELEC. MOTOR ASSY, 24VDC (SEE INSERT A-A)	1
13			1BLT-01819	BOLT, MOTOR	2
14			1DEC-00500	CAP, DRIVE END	1
15			1BRG-00818	BEARING	2
16			1ARM-X588	ARMATURE ASSY	1
17			1CSA-X588	MOTOR CASE, W/ MAGNETS	1
18			1BCA-01071	CAP ASSY, BRUSH	1
19			1BRU-00040	BRUSH	4
20			1NEG-00149	SPRING, BRUSH	4
21			41039-01	BRACKET	1
22			MS35207-263	SCREW, MACH, PNH	1
23			MS21044N3	NUT, SELF LOCKING	1
24			60062-01	WIRE (CB TO RELAY)	1
25			60062-03	WIRE (RELAY TO ISOLATION TERMINAL	1

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
26			124-903	RELAY, START	1
27			MS35207-263	SCREW, MACH PNH	2
28			MS27183-8	WASHER, FLAT	2
29			MS21044N3	NUT, SELF - LOCKING	2
30			30055-10	CIRCUIT BREAKER	1
31			MS35207-263	SCREW, MACH PNH	2
32			MS21044N3	NUT, SELF - LOCKING	2
33			41037-01	ELECTRO-MAGNETIC INTER- FERENCE FILTER	1
34			41006-01	PLATE, CASE, REAR	1
35			MS35206-247	SCREW, MACH PNH	6
36			MS35338-42	WASHER, LOCK	6
37			41005-01	CASE, OUTER	1
38			60062-05	WIRE (RELAY TO ISOLATION TERMINAL)	1
				END OF FIGURE	

SECTION II

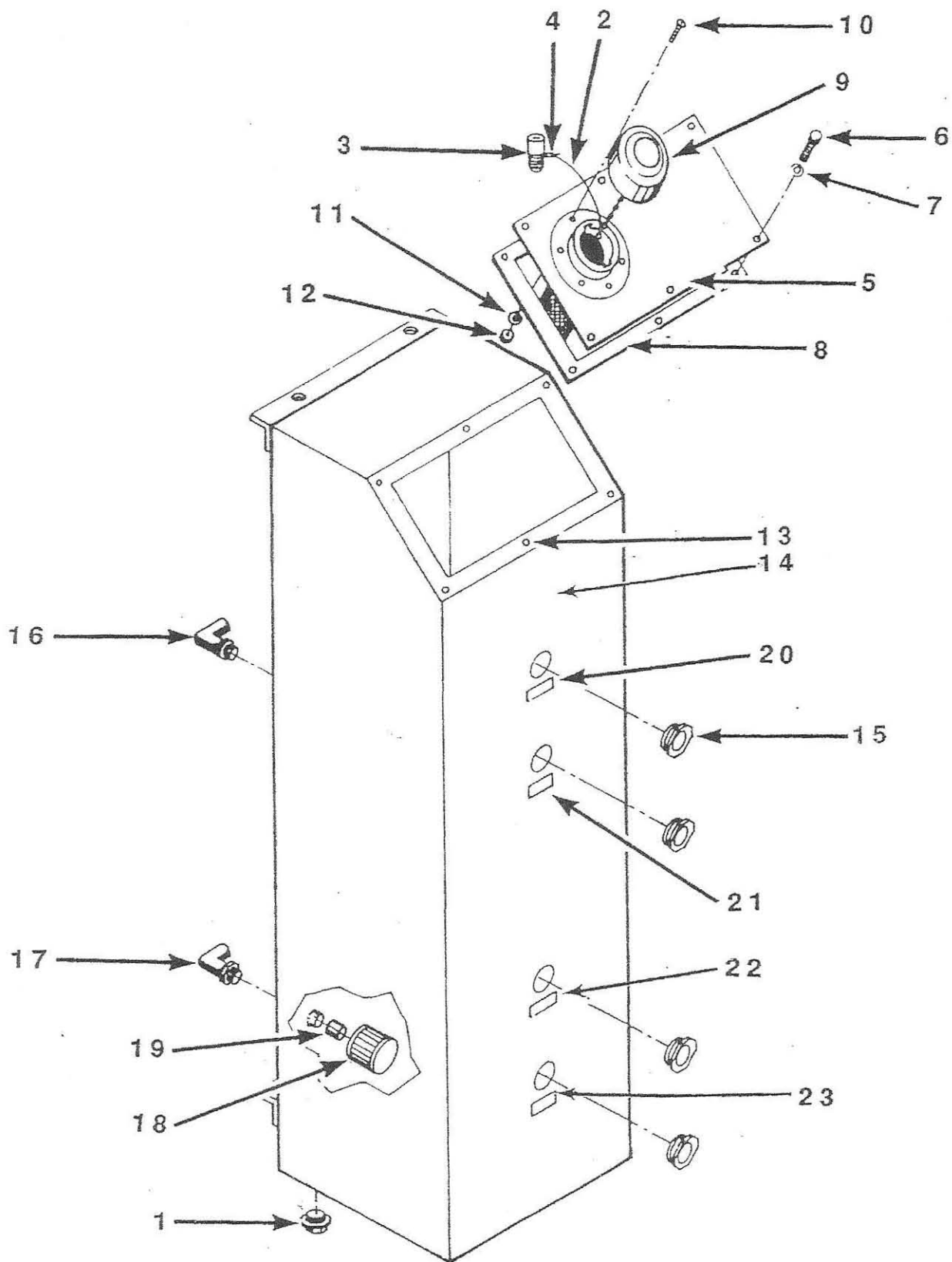


FIGURE 5. RESERVOIR ASSEMBLY

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 03: HYDRAULIC SYSTEM GROUP 0311: FILLER / BREATHER AND SPECIAL ADAPTER GROUP 0312: FLUID LEVEL SIGHT GLASS GROUP 0313: SUCTION STRAINER GROUP 0314: RESERVOIR TANK FIGURE 5: RESERVOIR TANK	
			20079-10	RESERVOIR ASSY (SEE FIGURE 1 FOR NHA)	
1			4638K514	PLUG, DRAIN	1
2			20079-05	LANYARD, (9 IN/ MIL -W-83420D WIRE)	1
3			50168-01	ADAPTER, SPECIAL	1
4			MS51844-22	CRIMP FASTENER	2
5			20079-01	COVER PLATE, RESERVOIR	1
6			91773A827	SCREW, MACH, RDH	6
7			92146A011	WASHER, LOCK	6
8			20079-03	GASKET, RSVR (BUNA N 1/16 THICK)	1
9			A-100-W	FILLER / BREATHER	1
10			91773A827	SCREW, MACH, RDH	6
11			92146A011	WASHER, LOCK	6
12			91842A011	NUT, BREATHER	6
13			AT502-S2--1032	NUTSERT	6
14			41001-01	TANK, RESERVOIR	6
15			LSP101-08-01	SIGHT GLASS, FLUID LEVEL	4
16			MS51504B6-8	ELBOW, MALE PIPE	1
17			MS51504B8-8	ELBOW, MALE NPT	1
18			1A761	STRAINER, SUCTION	1
19			4549K571	NIPPLE, PIPE	1
20			41019-15	NPL, REMOVE FLUID	1
21			41019-07	NPL, FULL LEVEL	1
22			41019-13	NPL, OPNL LEVEL	1
23			41019-11	NPL, LOW LEVEL	1
				END OF FIGURE	

SECTION II

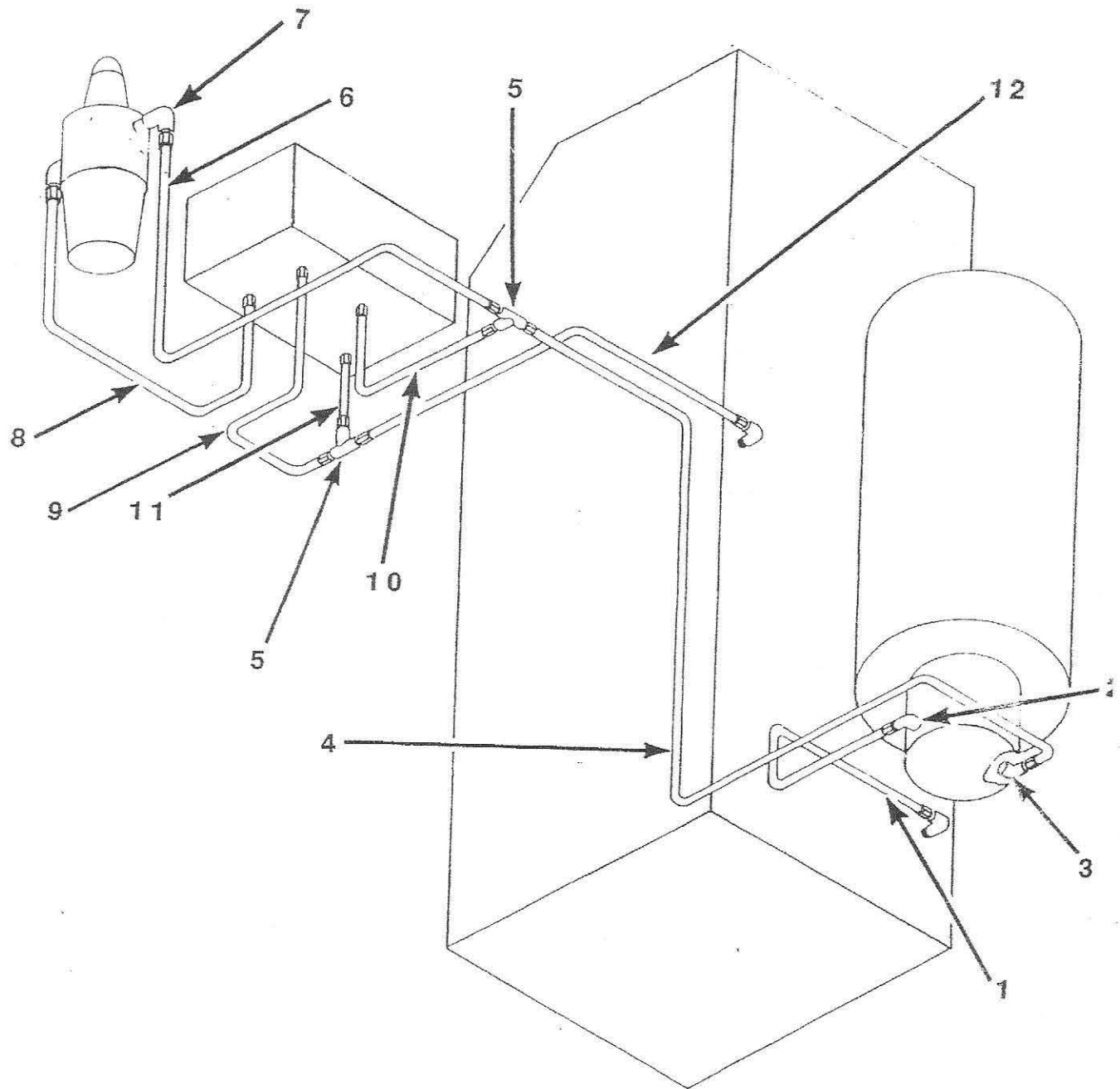


FIGURE 6. HYDRAULIC PIPING ASSEMBLY

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 03: HYDRAULIC SYSTEM GROUP 0315: HYDRAULIC PIPING FIGURE 6. HYDRAULIC PIPING ASSY	
			20082-10	HYDRAULIC PIPING ASSY (SEE FIGURE 1 FOR NHA)	
1			50169-01	TUBE ASSY, RESERVOIR - PUMP INLET	1
2			MS51527B8	ELBOW, STR THD	1
3			MS51527B6	ELBOW, STR THD	1
4			50170-01	TUBE ASSY, PUMP OUT - TEE	1
5			MS51510B6	TEE, UNION	2
6			50171-01	TUBE ASSY, TEE- FILTER INLET	1
7			MS51527B6-8	ELBOW, STR THD	2
8			50172-01	TUBE ASSY, FILTER OUT - MANIFOLD	1
9			50173-01	TUBE ASSY, MANIFOLD - TEE	1
10			50174-01	TUBE ASSY, TEE - MANIFOLD	1
11			50175-01	TUBE ASSY, MANIFOLD - TEE	1
12			50176-01	TUBE ASSY, TEE - RESERVOIR	1
				END OF FIGURE	

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SECTION II

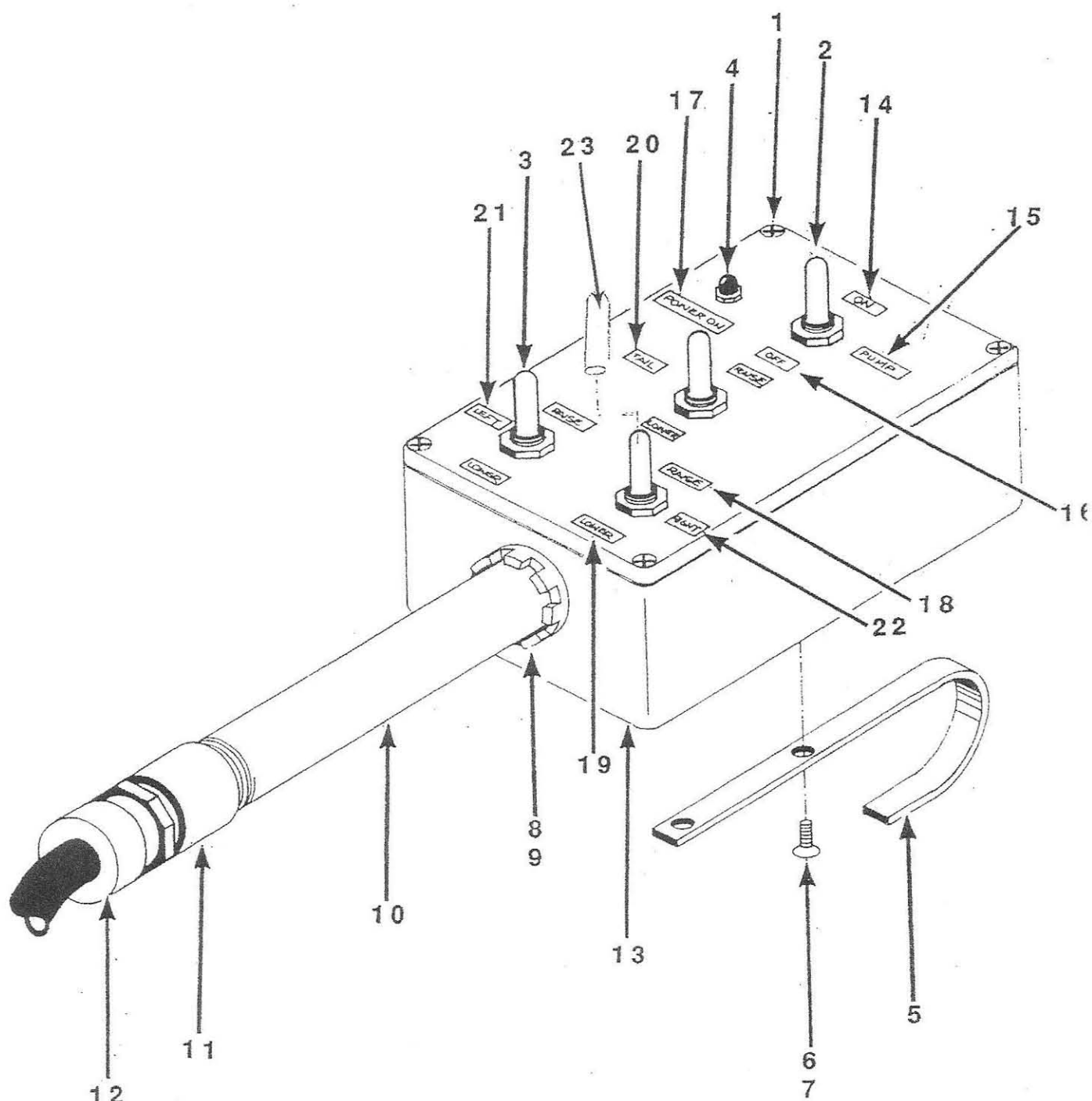


FIGURE 7. CONTROL BOX ASSEMBLY

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 04: ELECTRICAL SYSTEM GROUP 0404: INDICATOR LIGHT AND SWITCHES FIGURE 7. CONTROL BOX ASSEMBLY	
			20083-10	CONTROL BOX, ASSY (SEE FIGURE 1 FOR NHA)	
1			MS51959-30	SCREW	4
2			8510K1	SWITCH, TOGGLE , START	1
3			8511K2	SWITCH, TOGGLE, CONTROL	3
4			L59D-R24-W	LIGHT, INDICATOR, POWER	1
5			41016-01	HOOK	1
6			90283A110	SCREW, MACH, PNH	2
7			90675A005	LOCKNUT	2
8			143	LOCKNUT	2
9			5304	SEAL RING	1
10			41026-01	CONDUIT, AL	1
11			41025-01	COUPLING, PIPE, AL	1
12			SHC-1098-ZP	STRAIN RELIEF, CONNECTOR	1
13			41008-01	CONTROL BOX	1
14			41017-01	NPL, ON	1
15			41017-03	NPL, PUMP	1
16			41017-05	NPL, OFF	1
17			41017-07	NPL, POWER ON	1
18			41017-11	NPL, RAISE	3
19			41017-13	NPL, LOWER	3
20			41017-15	NPL, TAIL	1
21			41017-17	NPL, LEFT	1
22			41017-21	NPL, RIGHT	1
23			50151-BK-SIL	BOOT, RUBBER	4
				END OF FIGURE	

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SECTION II

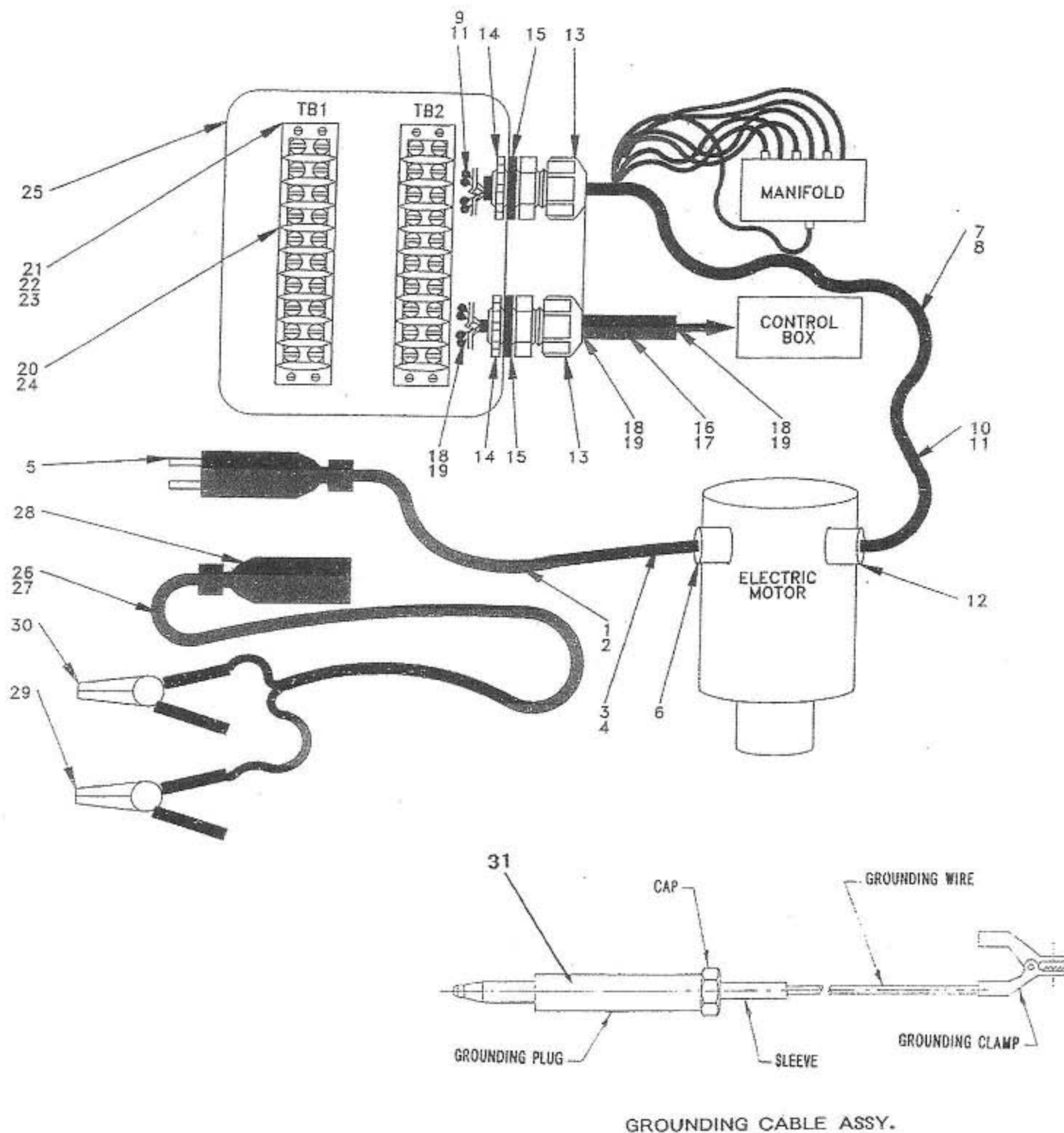


FIGURE 8. ELECTRICAL COMPONENTS AND WIRING ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) CAGE CODE	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 04: ELECTRICAL SYSTEM GROUP 0405: WIRING AND CABLES FIGURE 8. ELECTRICAL COMPONENTS AND WIRING ASSEMBLY	
			20084-10	ELECTRICAL COMPONENTS AND WIRING ASSY. (SEE FIGURE 1 FOR NHA)	
1			60058-10	CABLE ASSY, POWER	1
2			8 / 2 TYPE SEOOW-A	CABLE	1
3			RD8-38	TERMINAL RING	2
4			WC--S	WIRE MARKER	4
5			R68G1B	RECEPTACLE, POWER	1
6			2942	STRAIN RELIEF CONNECTOR	1
7			60061-10	CABLE ASSY, MOTOR CONTROL	
8			14 / 3 TYPE SO	..CABLE	1
9			MS25036-107	TERMINAL RING	3
10			RB14-10	TERMINAL RING	3
11			WC-- S	WIRE MARKER	6
12			2534	STRAIN RELIEF CONNECTOR	1
13			2535	STRAIN RELIEF CONNECTOR	2
14			142	LOCKNUT	2
15			5303	SEAL RING	2
16			60060-10	CABLE ASSY, CONTROL BOX	1
17			16 / 10 TYPE SO	.. CABLE	1
18			MS25036-107	TERMINAL RING	16
19			WC--S	WIRE MARKER	16
20			110	TERMINAL BOARD	2
21			MS51959-34	SCREW, MACH, FLH	8
22			MS35338-98	WASHER, LOCK	8
23			MS35649-262	NUT, PLAIN, HEX	8
24			MS600101A	MARKER STRIP	2
25			41027-01	JUNCTION BOX (ALTERED ITEM)	1
26			60059-10	ADAPTER ASSY., POWER CABLE	1
27			8 / 2 TYPE SEOOW-A	CABLE	1
28			MS25488-25	PLUG, POWER	1
29			7236K281	CLIP, ALLIGATOR (RED)	1
30			7236K282	CLIP, ALLIGATOR (BLACK)	1
31			M83413 / 1 - 50	GROUNDING CABLE	1
				END OF FIGURE	

