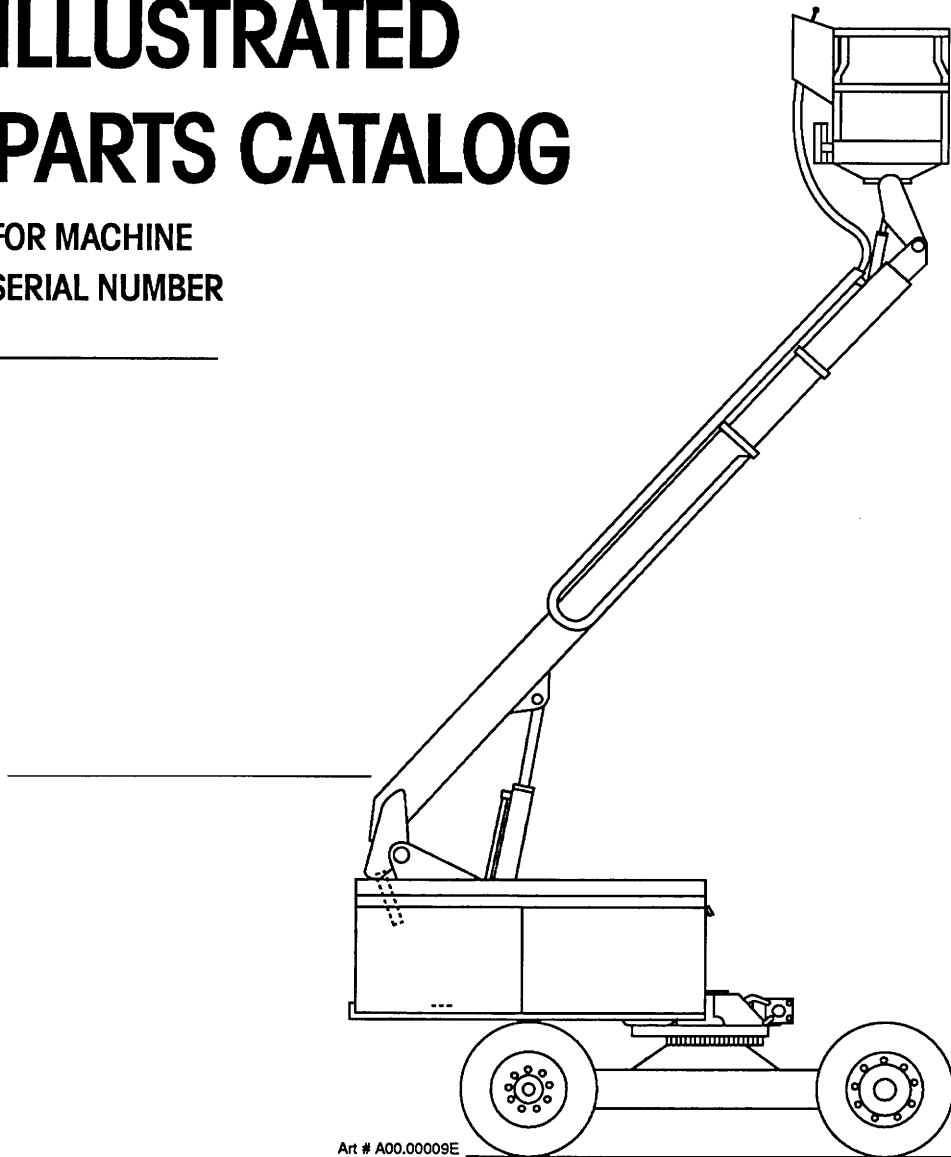


MODEL MP 50

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art # A00.00009E

Part No. 89-150005

INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON MP SERIES SELF-PROPELLED AERIAL WORK PLATFORMS. The "MP" Series includes "MP", "MPE", "MPH", "MPL", "MPN", "MP ... Z", and "IMP" models. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure maximum SAFETY and PERFORMANCE.

Prices for all parts listed in this Catalog can be found in a separate Spare Parts Price List. Please contact Simon Aerials Parts Department for the latest edition of the Spare Parts Price List.

HOW TO USE THIS CATALOG

The Cover Page indicates the specific model or models covered by this Parts Catalog.

The "Primary Machine Component Groups" page illustrates the four major assemblies, along with their "Section" number.

The Parts Catalog is divided into "Sections", numbered from B 1 through F 99. Each section contains the individual parts that make up a major component, assembly or item.

- The first four sections (B 1 through B 4) contain the major assemblies, or "Primary Machine Component Groups".
- Sections that follow contain sub-assemblies or components of these "major" assemblies.
 - Section C contains Subassemblies,
 - Section D contains Hydraulic Components,
 - Section E contains Electrical Components, and
 - Section F contains Mechanical Components.

Because of the "custom" nature of the MP Series machines, the index of this Parts Catalog is structured to indicate the components of specific units by serial number. The "Section Index" pages list the sections, page numbers and page titles that are relevant to this model, and that are contained in this Catalog. Some pages not referring specifically to YOUR PARTICULAR MACHINE may be included in this Catalog.

The serial number of YOUR MACHINE can be found on the serial number plate located inside the engine compartment. This serial number will also be found at the top of the "Section Index", and the page plates showing the components of YOUR MACHINE will be found in the column beneath that serial number.

When selecting parts for a specific machine, be sure to verify the machine model number, and serial number or date code (found on the data plate).

Serial Number for your machine

SECTION INDEX

		MACHINE SERIAL NUM					
		Other	Other	Other	Your No	Other	Other
B 1	Undercarriage Assembly	.01	.01 .18	.10		.12	.12
B 2	Superstructure Assembly	.05	.08	.08	.11	.15	.17
B 3	Boom Assembly					.08	.11

D 6	Swing Motor						
D 7	Emergency Pump	.04	.04	.04	.04	.04	.04
D 8	Main Hydraulic Pump	.08	.08	.13	.13	.13	.13

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

Your Main Hydraulic Pump will be found on Plate D08.13.

When ordering parts, always give:

1. Model and Serial Number
2. Item Part Number/ Description
3. Order Quantity

Items with indented descriptions are components of the non-indented item directly above.

If a part number, blank space, or an indication "SEE INDEX" in the "PART NO." column of the page plate is followed by a plate number in the "SEE SECTION" column, refer to the "Section Index", and the plate indicated for YOUR PARTICULAR MACHINE to see a further breakdown of components for that part. If no plate number is listed in the "Section Index" column for YOUR PARTICULAR MACHINE, a check of page plates listed for other serial numbers may help identify SIMILAR parts.

Serial Number for your machine		MACHINE SERIAL NUM					
		Other	Other	Other	Your No.	Other	Other
B 1	Undercarriage Assembly	.01	.01 .18	.10		.12	.12
B 2	Superstructure Assembly	.05	.08	.08	.11	.15	.17
B 3	Boom Assembly					.08	.11
D 6	Swing motor						
D 7	Emergency Pump	.04	.04	.04	.04	.04	.04
D 8	Main Hydraulic Pump	.08	.08	.13	.13	.13	.13

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

Your Main Hydraulic Pump will be found on Plate D08.13.



Parts that appear to be similar may in fact be quite different.

Some assembled items, such as hydraulic cylinders, may have been supplied by more than one source. While the assemblies may be able to be used interchangeably, FOR SAFETY'S SAKE, do not mix components or repair kits.

Please confirm the make of the assembly on the unit before ordering or installing replacement parts. When in doubt, consult Simon Aerials Parts Department for assistance.

If a part number is not listed for a selected item, please provide this additional information:

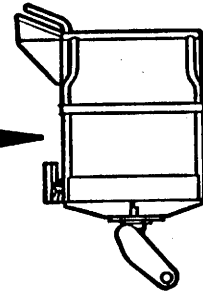
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly ("Parent" Part), if the desired item is not listed.

Left and right-hand, front and rear should be determined as though you are standing at the Platform Control Console, with the Platform in stowed position (over the non-steering axle on most models; refer to large "FORWARD" arrow on top of undercarriage). All dimensions are in inches unless otherwise specified.

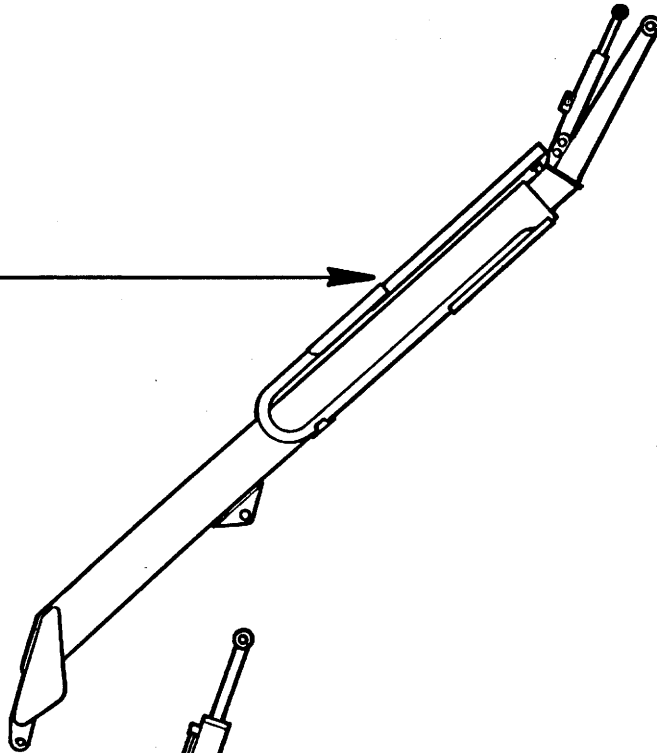
SIMON AERIALS INC. reserves the right to change, improve, modify or expand features of its equipment. Therefore, specifications, models or equipment are subject to change without notice, and without incurring obligation to change, improve, modify or expand features of previously delivered units.

All SIMON AERIALS INC. manuals are periodically updated to reflect changes that occur in the equipment. Please contact Simon Aerials Technical Support Department with any questions you may have regarding your particular machine, or the availability of more recent manuals.

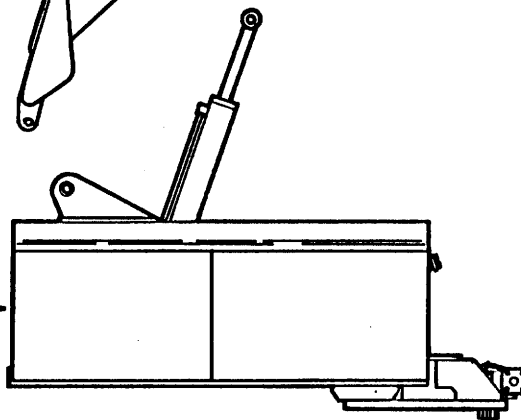
PLATFORM
B4



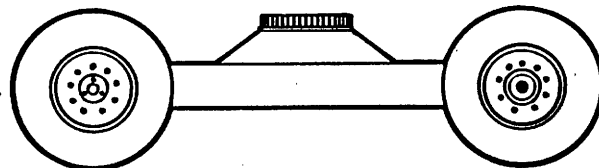
BOOM
B3



SUPERSTRUCTURE
B2



UNDERCARRIAGE
B1



0585

DESCRIPTION

MP 50 MACHINE ASSEMBLY

PART NO.
CAA-208480-6

PARTS LIST

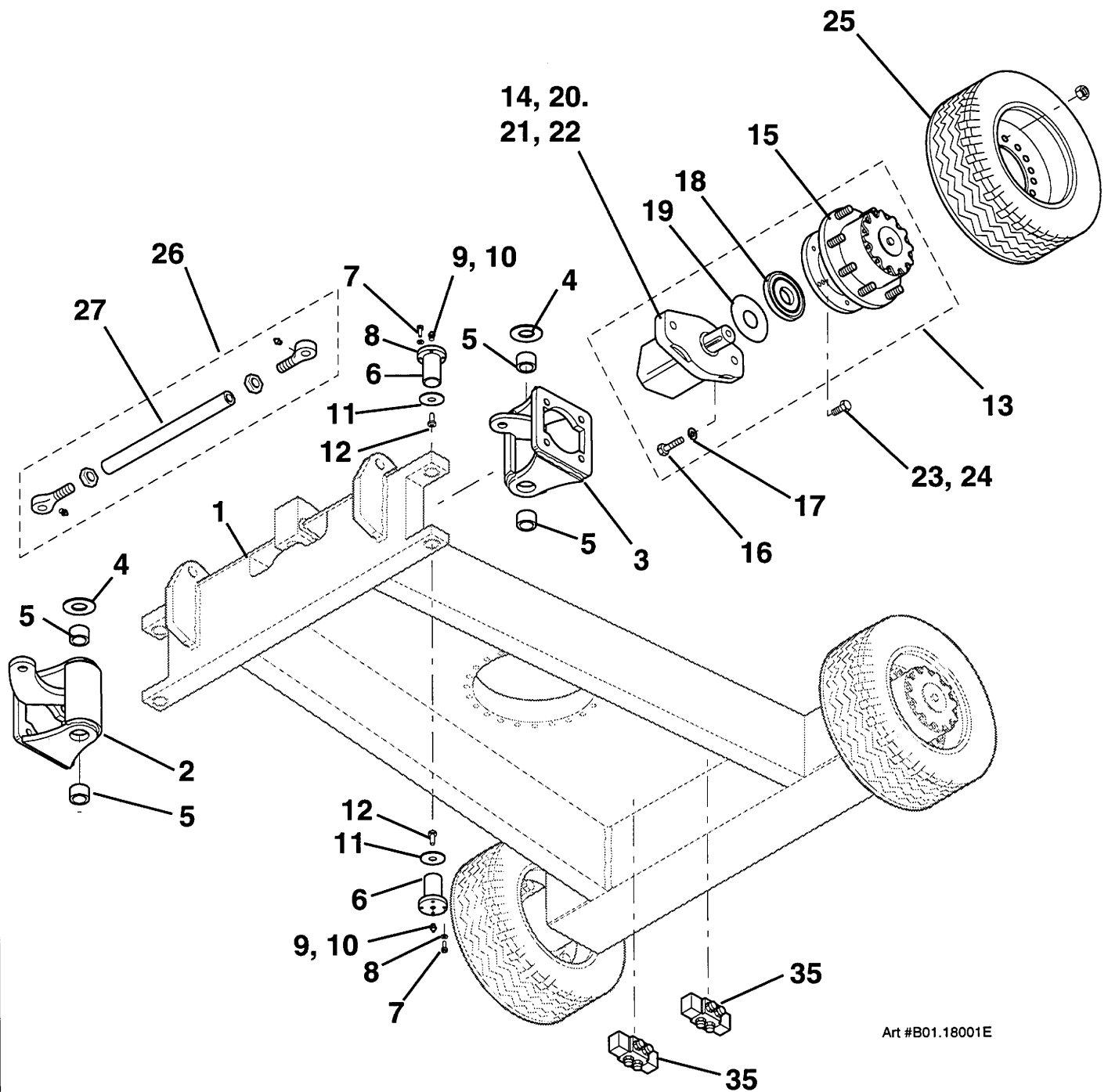
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This plate identifies items found only on MP's with the "Two wheel drive/ Four wheel drive" option . It contains only those items that are used in addition to or in place of items shown on the "Two wheel drive" Undercarriage parts plate. For items used with the "Full time four wheel drive" option , see plate B01.27.	
1			UNDERCARRIAGE WELDMENT (For four-wheel drive. Replaces part shown on 2WD plate.)	1
	207 0913 219 0900 205 4120		For model MP 40 For model MPH 42, MP 50 For model MP 60, MP 70	
2	205 9543 230 6860		For model MP 60Z, MPH 60, MP 70 For model MP 80 SPINDLE ASSEMBLY, FRONT DRIVE (Right hand)	
	202 4493 202 2631		(For four-wheel drive. Replaces part shown on 2WD plate.) For model MP 40 For all except MP 40	1
3	202 4507		SPINDLE ASSEMBLY, FRONT DRIVE (Left hand) (For four-wheel drive. Replaces part shown on 2WD plate.) For model MP 40	1
4	202 2644 08-004200		For all except MP 40 WASHER, THRUST (2-1/32" I.D., 3-5/8" O.D.) (For four-wheel drive. Replaces part shown on 2WD plate.)	4
5	201 0735		BEARING, SLEEVE (2-3/8" O.D. x 1-3/4" long)	4
6	234 0700		PIN, STEER (replaces earlier pin 201 4405) (For four-wheel drive. Replaces part shown on 2WD plate.)	4
7	07-008046		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 8)	16
8	07-065016		WASHER, HELICAL LOCK (3/8")	16
9	08-051300		FITTING, GREASE (1/8", 90°)	4
10	08-066300		CAP, GREASE FITTING (White plastic)	4
11	214 2180		RETAINER, STEER SPINDLE BUSHING	2
12	07-017083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	2
13			DRIVE HUB ASSEMBLY (steer wheels)	2
14	See index	D03.--	MOTOR, HYDRAULIC (without brake)	1
15	See index	F01.--	HUB, TORQUE	1
16	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
17	07-065018		WASHER, HELICAL LOCK (1/2")	2
18	01-030900		SEAL (used with torque hub having cast housing)	1
19	217 6980		SPACER (used with torque hub having cast housing)	1

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP (PLATE 1 OF 2)

PLATE NO. B01.18 **SIMON AERIALS INC.**

REV. 11 JUN, 1996

PART NO.



TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP (PLATE 1 OF 2)

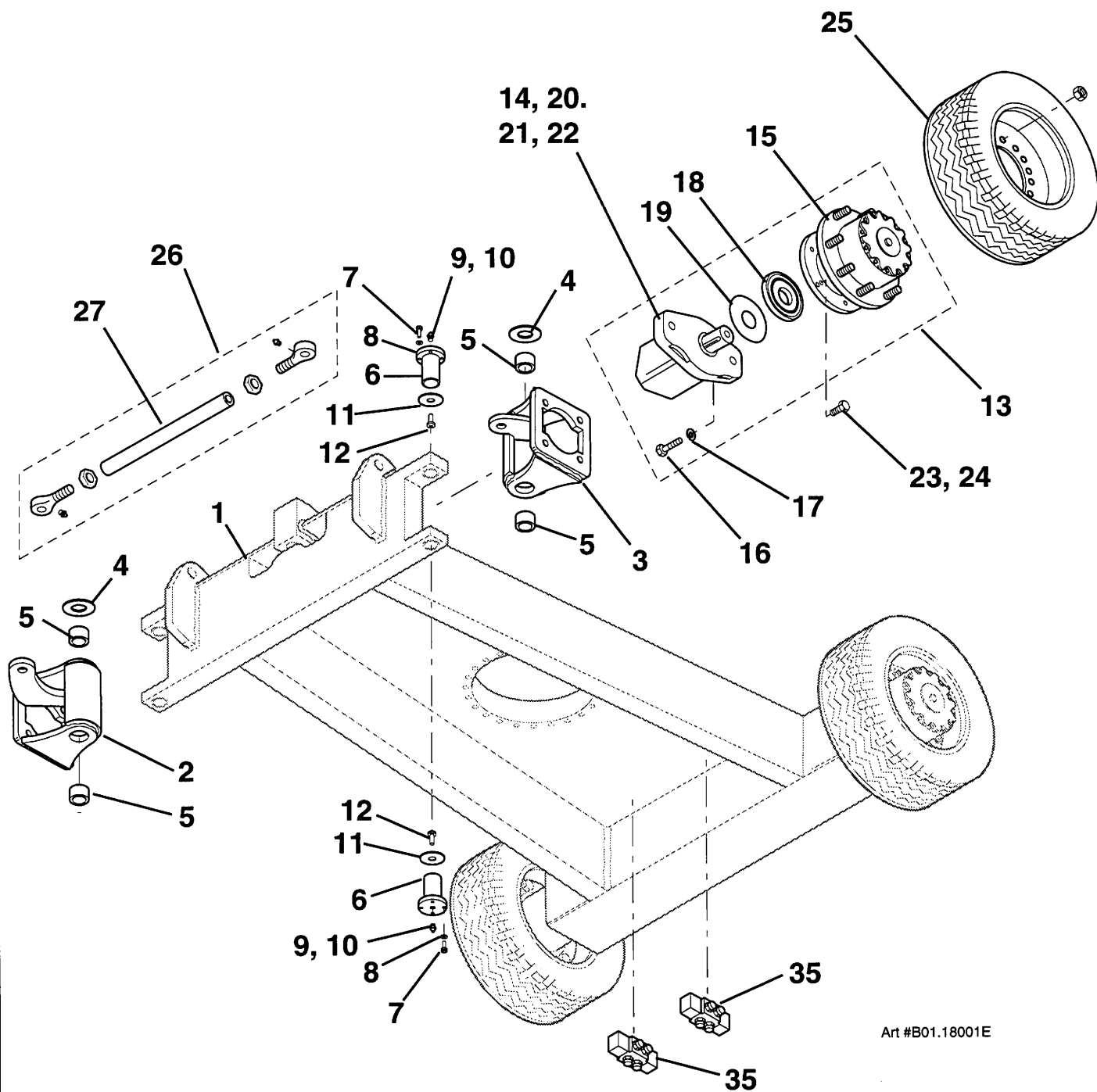
SIMON AERIALS INC.

REV. 11 JUN, 1996

PART
NO.

PLATE
NO. B01.18

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20	06-047400		45° ELBOW, "O"-RING TO 37° (12 V50X-S)	2
21	06-045400		90° ELBOW, "O"-RING TO 37° (12 C50X-S)	2
22	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C50X-S)	2
23			CAP SCREW, HEX HEAD	
	07-004087		1/2"-13 x 1-1/2", Grade 8 (for 6-bolt mount torque hub)	12
	07-004128		5/8"-11 x 1-3/4", Grade 8 (for 8-bolt mount torque hub)	16
24	07-065021		WASHER, HELICAL LOCK (5/8") (for 8-bolt torque hub)	16
25			TIRE AND WHEEL ASSEMBLY, DRIVE (refer to drive wheel shown on 2WD plate.)	4
26	351 1990		TIE ROD ASSEMBLY (for Model MP 40, MPH 42, MP 50)	2
27	212 3230		TIE ROD (30.12" [76.5 cm] long)	1
26	351 2000		TIE ROD ASSEMBLY (for Model MP 60)	2
27	212 3240		TIE ROD (29.19" [74 cm] long)	1
26	351 5790		TIE ROD ASSEMBLY (for Model MP 60Z, MPH 60, MP 70, MP 80)	2
27	214 3670		TIE ROD (29.19" [74 cm] long, reinforced)	1
28	208 9148		CLAMP, DRIVE HOSE	10
29	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
30	07-062016		WASHER, FLAT (3/8")	8
31	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	12
32	07-050015		NUT, HEX STOP (5/16"-18, Grade 5)	12
33	07-062015		WASHER, FLAT (5/16")	24
34	10-150900		SLEEVE, COIL (Plastic, 1" dia.) (Bulk item, order as needed. 8 ft [2.44 M] required this application)	A.R.
35	01-230500		VALVE, SELECTOR (replaces earlier valve 01-018100) (For four-wheel drive. Replaces part shown on 2WD plate.)	2
			Note: The flow control valve (needle valve) shown on 2WD Undercarriage page plate is not used with 2WD/ 4WD option.	
TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP (PLATE 2 OF 2)				
PLATE NO.	B01.18	SIMON AERIALS INC.		PART NO.
			REV. 11 JUN, 1996	



Art #B01.18001E

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 11 JUN, 1996

PART
NO.

PLATE
NO. B01.18

PARTS LIST

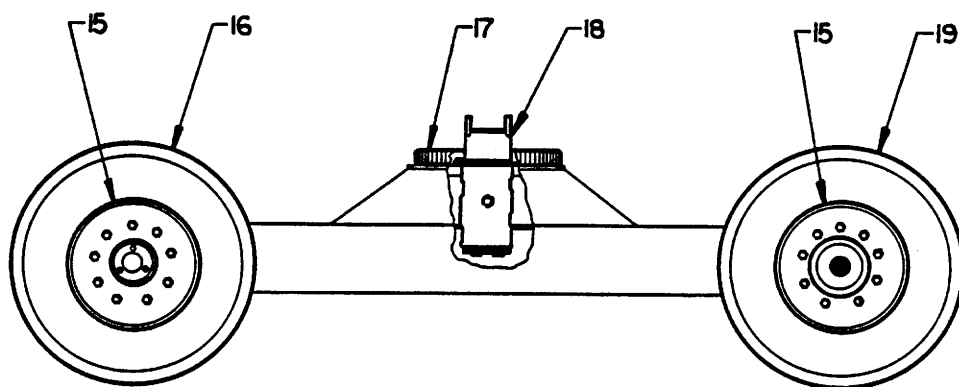
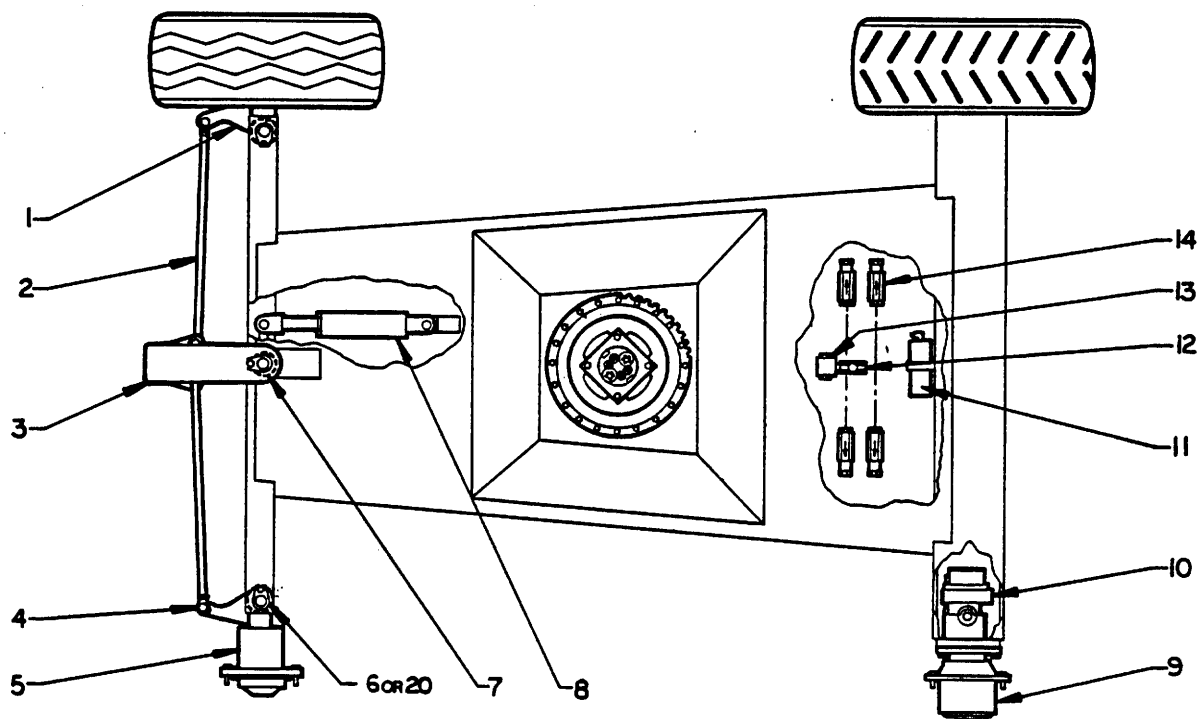
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SDA-206133-9	C1.7	R.H. SPINDLE ASSEMBLY	1
2	SCA-205108-6		TIE ROD	2
3	SDW-200420-8		CENTER STEER ARM	1
4	08-007100	C1.8	TIE ROD END	4
5	SDA-206134-2		L.H. SPINDLE ASSEMBLY	1
6	08-004200		THRUST WASHER (TO 09/84)	2
7	08-002000	D1 F1	BUSHING	2
8	SEE INDEX		STEER CYLINDER	1
9	SEE INDEX		TORQUE HUB	2
10	SEE INDEX	D3 D4.1	DRIVE MOTOR/BRAKE	2
11	01-001500		ACCUMULATOR	1
12	01-000500		NEEDLE VALVE	1
13	01-001400		SHUTTLE VALVE	1
14	01-036100		FLOW CONTROL VALVE 13 GPM	4
15	SDW-202445-7		RIM	4
16	02-002200	D2	STEER TIRE	2
17	08-000200		SWING BEARING	1
18	SEE INDEX		HYDRAULIC SWIVEL	1
19	02-002100		DRIVE TIRE	2
20	08-014100		THRUST WASHER (09/84)	2

DESCRIPTION

UNDERCARRIAGE ASSEMBLY

PART NO.

CAA-207241-4



1084/0383

NOTE: SEE PAGE B1.11 FOR 4WD COMPONENTS

DESCRIPTION

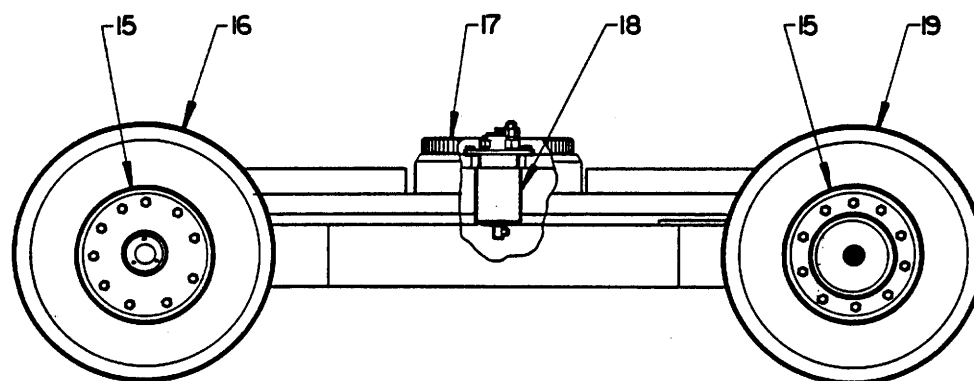
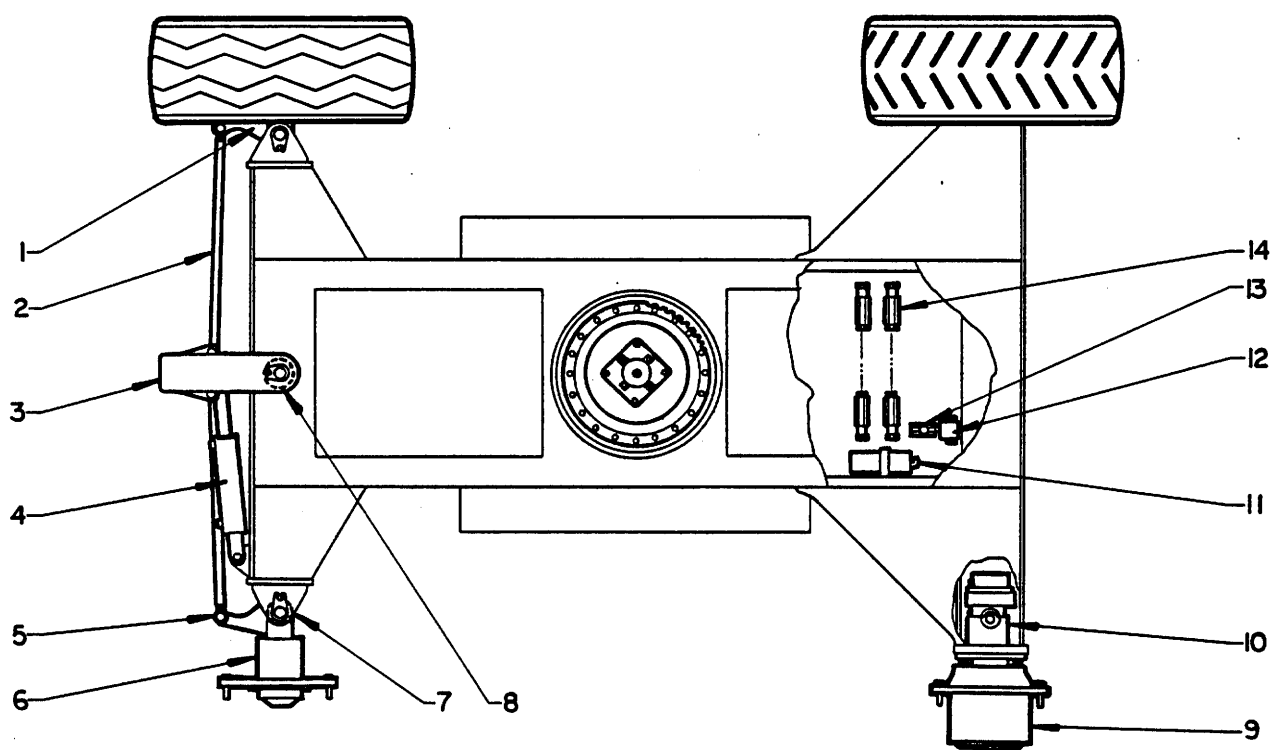
UNDERCARRIAGE ASSEMBLY

PART NO.

CAA-207241-4

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEA-206184-7	C1.5	R.H. SPINDLE ASSEMBLY	1
2	SCA-205108-6		TIE ROD	2
3	SDW-202429-5		CENTER STEER ARM	1
4	SEE INDEX	D1	STEER CYLINDER	1
5	08-007100		TIE ROD END	4
6	SEA-206183-4	C1.6	L.H. SPINDLE ASSEMBLY	1
7	08-004200		THRUST WASHER	2
8	08-002000		FLANGE BUSHING	2
9	SEE INDEX	F1	TORQUE HUB	2
10	SEE INDEX	D3	DRIVE MOTOR/BRAKE	2
11	01-001500	D4.1	ACCUMULATOR	1
12	01-001400		SHUTTLE VALVE	1
13	01-000500		NEEDLE VALVE	1
14	01-036100		FLOW CONTROL VALVE, 17 GPM	4
15	SDW-202256-7		RIM	4
16	02-001500		STEER TIRE	2
17	08-000200		SWING BEARING	1
18	SEE INDEX	D2	HYDRAULIC SWIVEL	1
19	02-001400		DRIVE TIRE	2
DESCRIPTION			PART NO.	
UNDERCARRIAGE ASSEMBLY			CAA-207258-0	



0285

NOTE: SEE PAGE B1.10 FOR 4WD COMPONENTS

DESCRIPTION

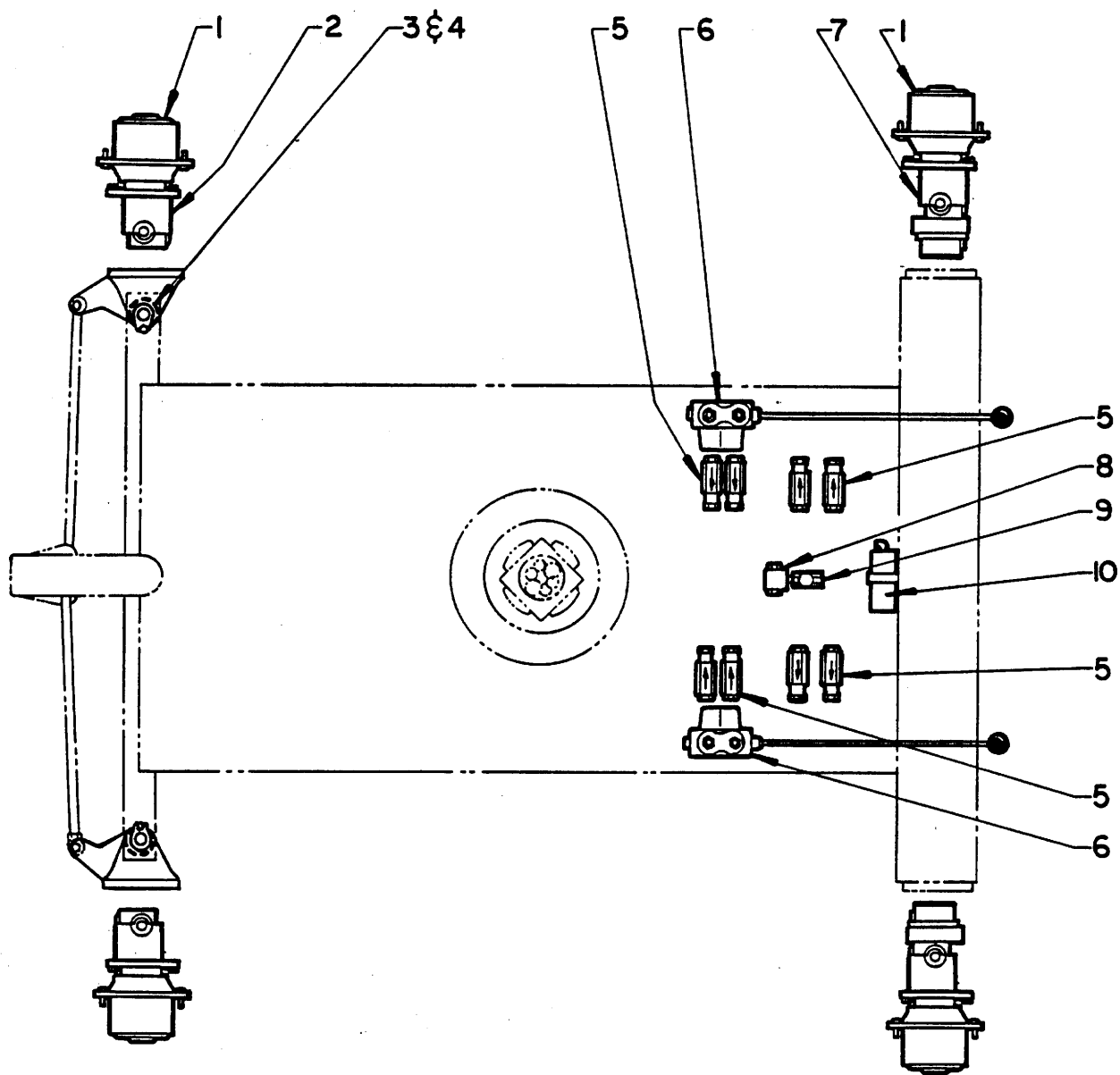
UNDERCARRIAGE ASSEMBLY

PART NO.

CAA-207258-0

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	F1	TORQUE HUB	4
2	SEE INDEX	D3	DRIVE MOTOR	2
3	08-004200		THRUST WASHER	2
4	SAD-201073-5		SLEEVE BEARING	4
5	01-006700		FLOW CONTROL VALVE, 6 GPM	8
6	01-004500		SELECTOR VALVE	2
7	SEE INDEX	D3	DRIVE MOTOR/BRAKE	2
8	01-001400		SHUTTLE VALVE	1
9	01-000500		NEEDLE VALVE	1
10	01-001500	D4.1	ACCUMULATOR	1
DESCRIPTION			PART NO.	
4WD ASSEMBLY			CAA-208472-7	



0385

DESCRIPTION

4WD ASSEMBLY

PART NO.

CAA-208472-7

PARTS LIST

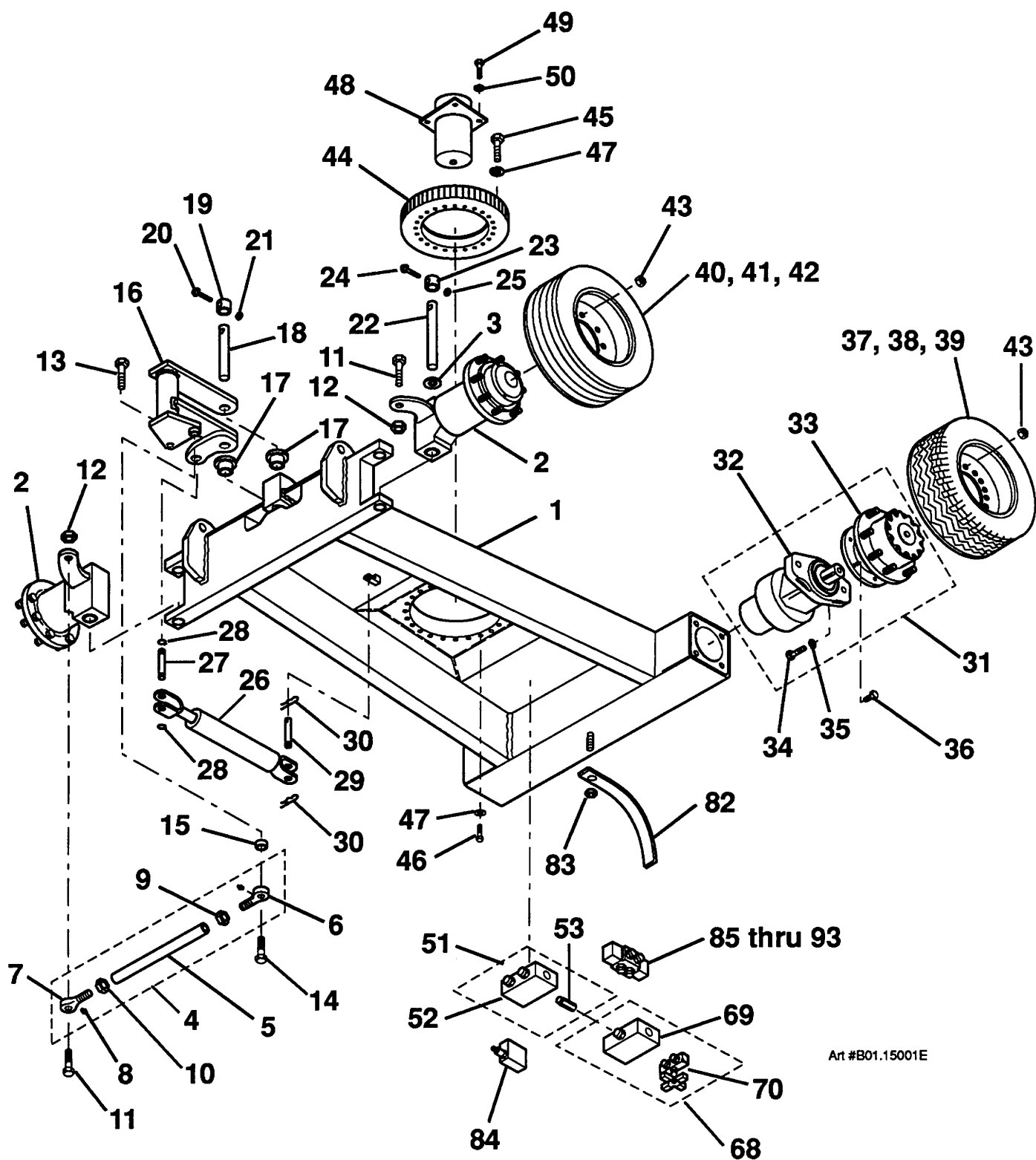
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This undercarriage for shorter reach, std. capacity MP series. For 4WD components, see plate B01.18 (for 2WD/ 4WD) or B01.27 (for "Full Time" 4WD).	
1			UNDERCARRIAGE WELDMENT (for two-wheel drive)	1
2	2061339	C01.07	SPINDLE ASSEMBLY (Right hand) (for two-wheel drive)	1
	2061342	C01.08	SPINDLE ASSEMBLY (Left hand) (for two-wheel drive)	1
3	08-014100		WASHER, THRUST	2
4	3511980		TIE ROD ASSEMBLY	2
5	2123220		TIE ROD	1
6	08-007100		END, TIE ROD (R.H. thread)	1
7	08-060600		END, TIE ROD (L.H. thread)	1
8	08-053100		FITTING, GREASE (1/4"-28, Straight)	2
9	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 2)	1
10	07-047222		NUT, JAM (3/4"-16, L.H. thread, Grade 2)	1
11	07-004650		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/4", Grade 8)	2
12	07-047122		NUT, HEX JAM (3/4"-16, Grade 2)	2
13	07-004651		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/2", Grade 8)	1
14	07-004652		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	1
15	2006707		SPACER, TIE ROD	1
16	2004208		ARM, CENTER STEER (without tow package) (Note: with tow package, also order part #2103610. Welding required.)	1
17	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4"-2" O.D., 1-1/2" dia.)	2
18	2105980		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	1
19	2144330		COLLAR, LOCK (1-1/2")	1
20	07-003095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 5)	1
21	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
22	2105980		PIN, SPINDLE (1-1/2" dia. x 11-3/4" long)	2
23	2106320		COLLAR, LOCK (1-1/2")	2
24	07-003095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 5)	2
25	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
26	See index	D01.--	CYLINDER, STEER	1
27	2171250		PIN, STEER CYLINDER (1" dia. x 3-7/16") (rod end)	1
28	08-040600		RING, RETAINING (1")	2
29	04-003401		PIN, STEER CYLINDER (1" dia. x 3-1/2" long) (base end)	1
30	04-003404		CLIP, HAIR PIN	2
31			DRIVE HUB ASSEMBLY	2
32	See index	D03.--	MOTOR, HYDRAULIC (with brake)	1
33	See index	F01.--	HUB, TORQUE	1
34	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
35	07-065018		WASHER, HELICAL LOCK (1/2")	2
36	07-004087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	12

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 1 OF 3)

PLATE NO. B01.15 SIMON AERIALS INC.

REV. 29 JUN., 1992

PART NO.



Art #B01.15001E

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 29 JUN., 1992

PART
NO.

PLATE
NO. B01.15

PARTS LIST

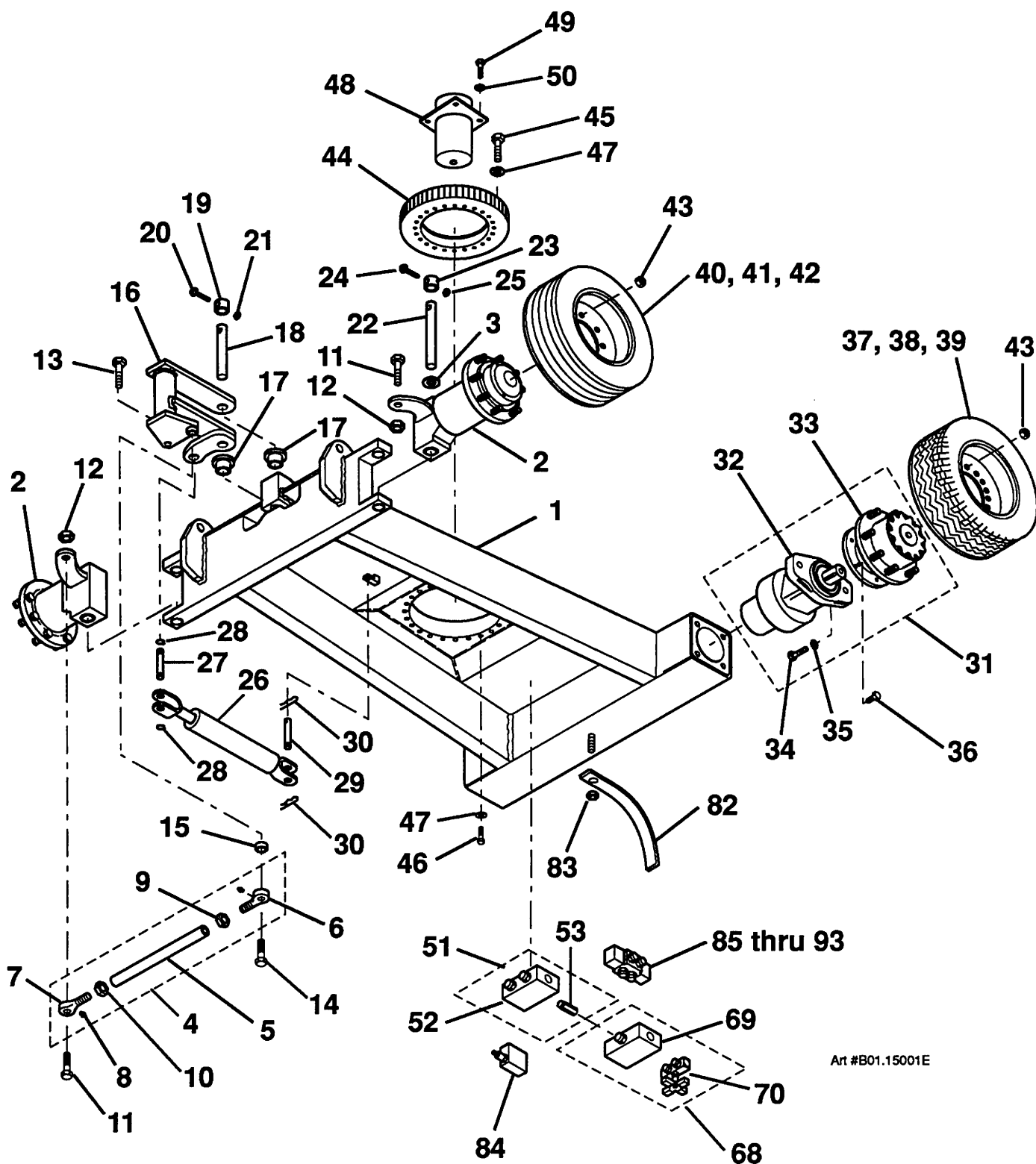
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			For 4WD components, see plate B01.18 (for 2WD/ 4WD) or B01.27 (for "Full Time" 4WD)	
37	3500376		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	3500321		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
38	02-008700		TIRE (12-16 5, 8 Ply Tubeless)	1
39	2024457		WHEEL ASSEMBLY	1
40	3500174		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	3505931		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
41	02-008800		TIRE (12-16 5, 8 Ply Tubeless)	1
42	2024457		WHEEL ASSEMBLY	1
43	07-058118		NUT, TOP LOCK (1/2"-20)	40
44	08-000200		SWING BEARING	1
45	07-004133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)	20
46	07-004131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 8)	20
47	07-061021		WASHER, FLAT (5/8" SAE)	40
48	See index	D02.--	SWIVEL, HYDRAULIC	1
49	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
50	07-065018		WASHER, HELICAL LOCK (1/2")	4
51			VALVE ASSEMBLY, MOTION CONTROL	1
52			VALVE, MOTION CONTROL (10:1 pilot ratio)	
	01-012400		(used with pumps rated at 24 GPM or less)	1
	01-013100		(used with pumps rated at 30 GPM or more)	1
53			VALVE, FLOW CONTROL (Needle valve)	
	01-000500		(used with pumps rated at 24 GPM or less)	1
	01-018900		(#6 SAE Ports, for pumps rated at 30 GPM or more)	1
54	06-021300		TEE, UNION (12 JTX-S)	1
55	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	1
56	06-041100		CONNECTOR, STRAIGHT THREAD (12-16 F50X-S)	2
57	06-044500		ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
58	06-045600		ELBOW, STRAIGHT THREAD (12-16 C50X-S)	1
59	06-050000		TEE, STRAIGHT THREAD (6 S50X-S)	1
60	3507665		TUBE ASSEMBLY	1
61			TUBE	1
62	06-057800		NUT, TUBE (12 BTX-S)	2
63	06-059300		SLEEVE (12 TX-S)	2
64	3507867		TUBE ASSEMBLY	1
65			TUBE	1
66	06-057500		NUT, TUBE (6 BTX-S)	2
67	06-059000		SLEEVE (6 TX-S)	2

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 2 OF 3)

PLATE NO. B01.15 **SIMON AERIALS INC.**

REV. 29 JUN., 1992

PART NO.



Art #B01.15001E

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 29 JUN., 1992

PART
NO.

PLATE
NO. B01.15

PARTS LIST

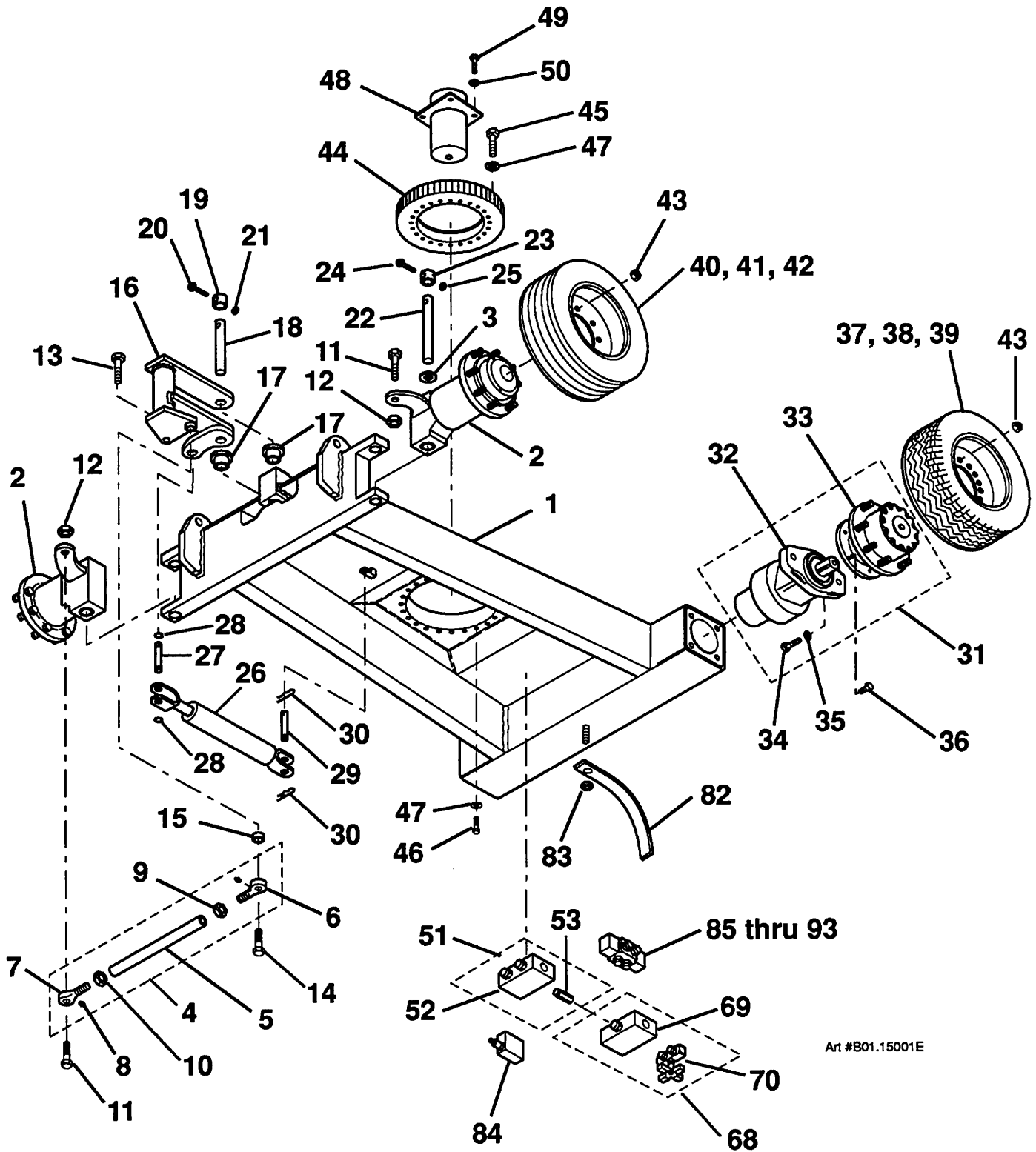
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			For 4WD components, see plate B01.18 (for 2WD/ 4WD) or B01.27 (for "Full Time" 4WD).	
68			VALVE ASSEMBLY, FLOW DIVIDER	1
69			VALVE, FLOW DIVIDER	1
	01-018800		(used with pumps rated at 24 GPM or less)	1
	01-018300		(used with pumps rated at 30 GPM or more)	1
70	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1
71	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
72	06-003800		ELBOW, MALE (6 CTX-S)	2
73	06-012300		RUN TEE, MALE (12 RTX-S)	2
74			ELBOW (for flow divider 10-018600)	1
	06-051800		ELBOW, SWIVEL NUT (12 C6X-S)	1
75			(for flow divider 10-018300)	1
	06-54800		TEE (for flow divider 10-018800)	1
			RUN TEE, SWIVEL NUT (12 R6X-S)	1
			(for flow divider 10-018300)	1
76	06-057800		NUT, TUBE (12 BTX-S) (for flow divider 10-018300)	2
77	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	2
78	3507654		TUBE ASSEMBLY	2
79			TUBE	1
80	06-057500		NUT, TUBE (6 BTX-S)	2
81	06-059000		SLEEVE (6 TX-S)	2
82	03-472100		STRAP, GROUNDING (option)	1
83	07-058400		NUT, HEX (1/2"-13)	1
84	01-011400		VALVE, CARTRIDGE RELIEF	1
			Items below used on units with two-speed drive option:	
85			VALVE ASSEMBLY, SELECTOR	1
86	01-062000		VALVE, HI/ LOW SPEED DRIVE (Pilot operated)	1
87	01-062001		SEAL KIT, DRIVE VALVE	1
88	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X-S)	3
89	06-044500		ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
90	06-045400		ELBOW, STRAIGHT THREAD (12 C50X-S)	2
91	06-056300		TEE, SWIVEL (12 S6X-S)	1
92	06-057800		NUT, TUBE (12 BTX-S)	1
93	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	1

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 3 OF 3)

PLATE NO. B01.15 **SIMON AERIALS INC.**

REV. 29 JUN., 1992

PART NO.



Art #B01.15001E

TITLE UNDERCARRIAGE ASSEMBLY (2 WD) (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 29 JUN., 1992

PART
NO.

PLATE
NO. B01.15

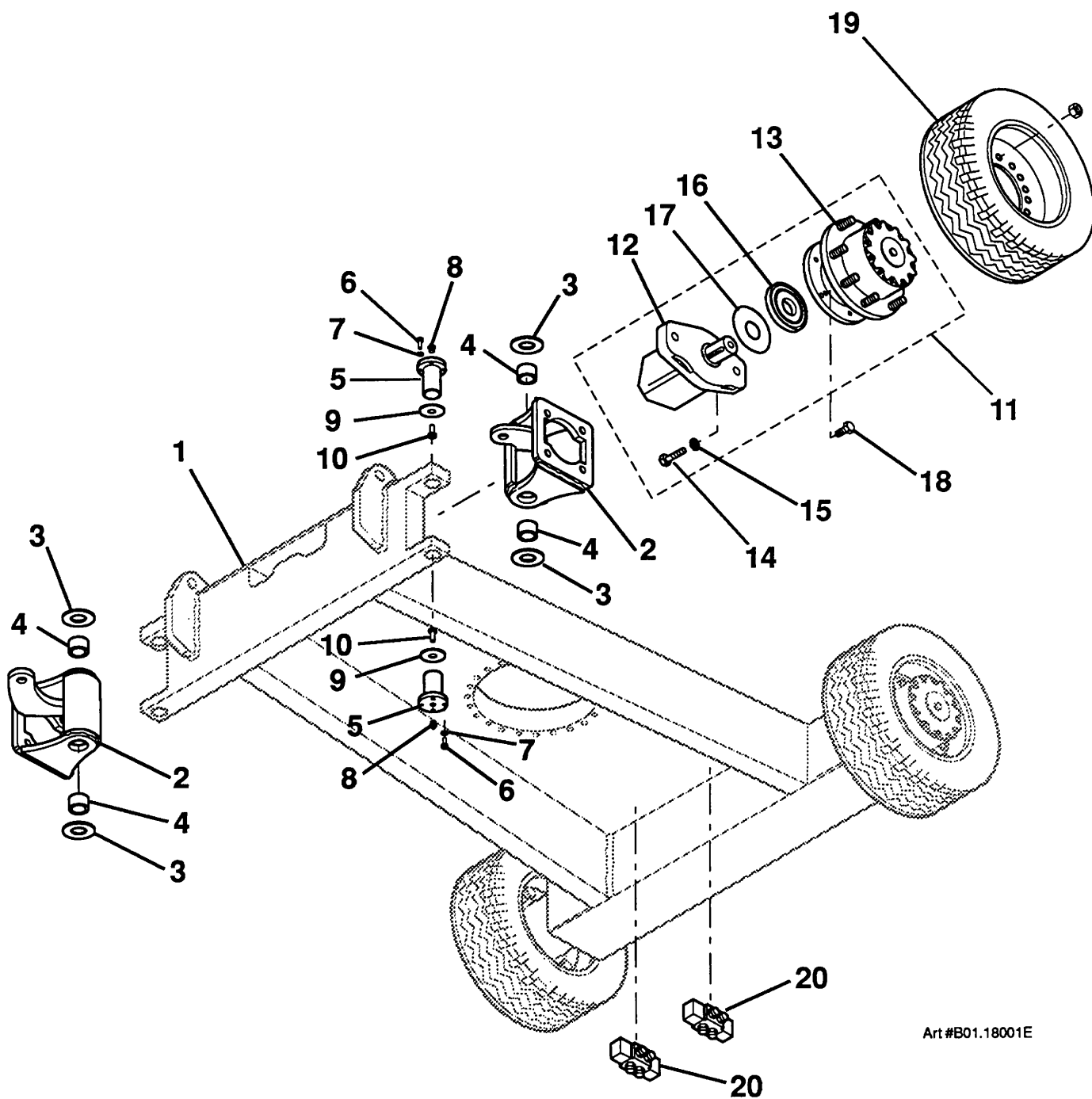
[illegible]

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION COMPONENTS, MP

PLATE NO. B01.18	SIMON AERIALS INC.
------------------	--------------------

REV. 01/21/91

PART
NO.



Art #B01.18001E

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION COMPONENTS, MP

SIMON AERIALS INC.

REV. 01/21/91

PART
NO.

PLATE
NO. B01.18

PARTS LIST

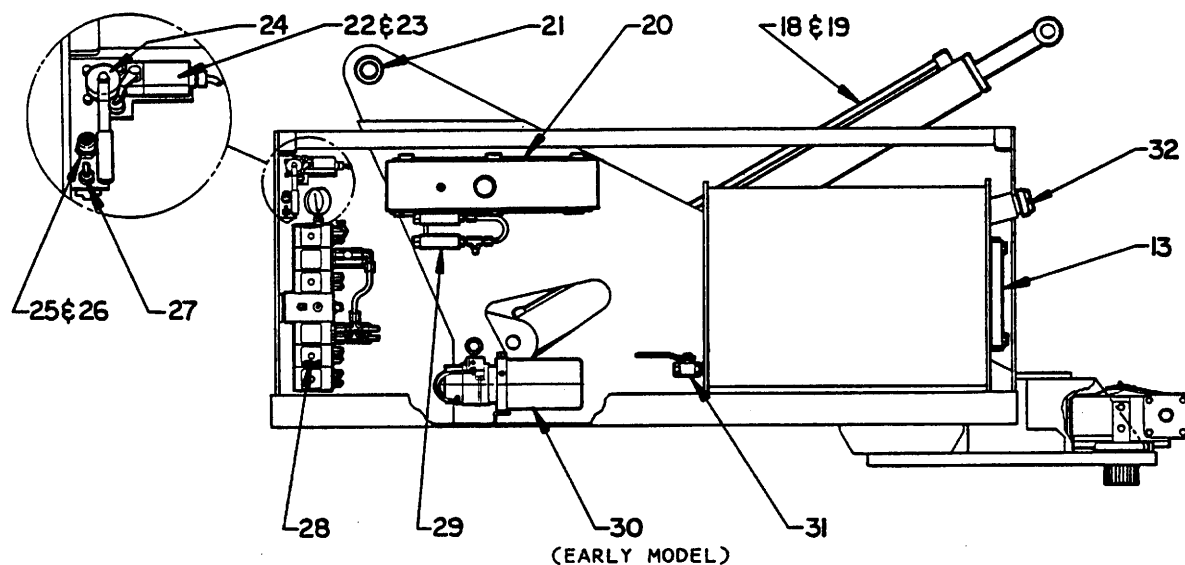
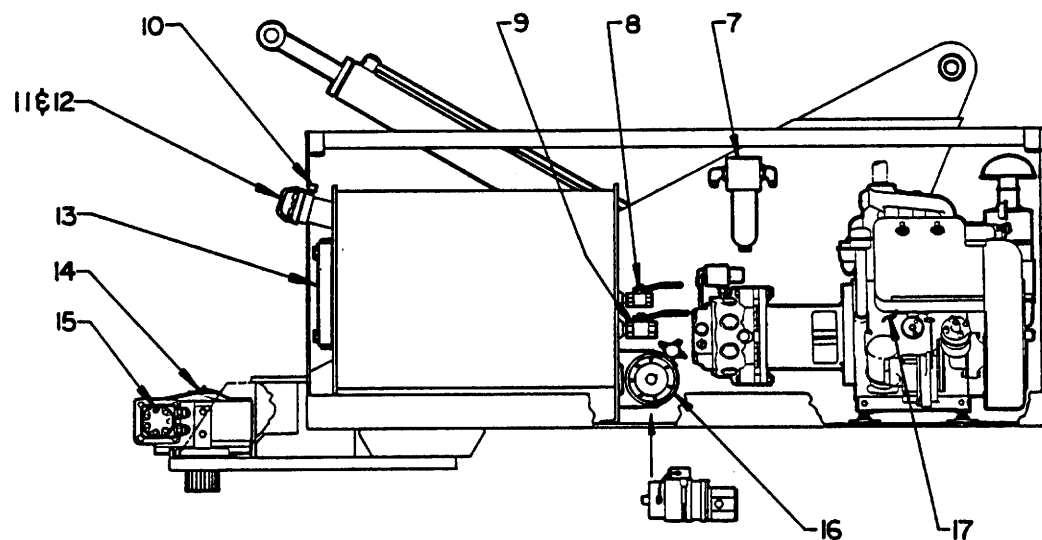
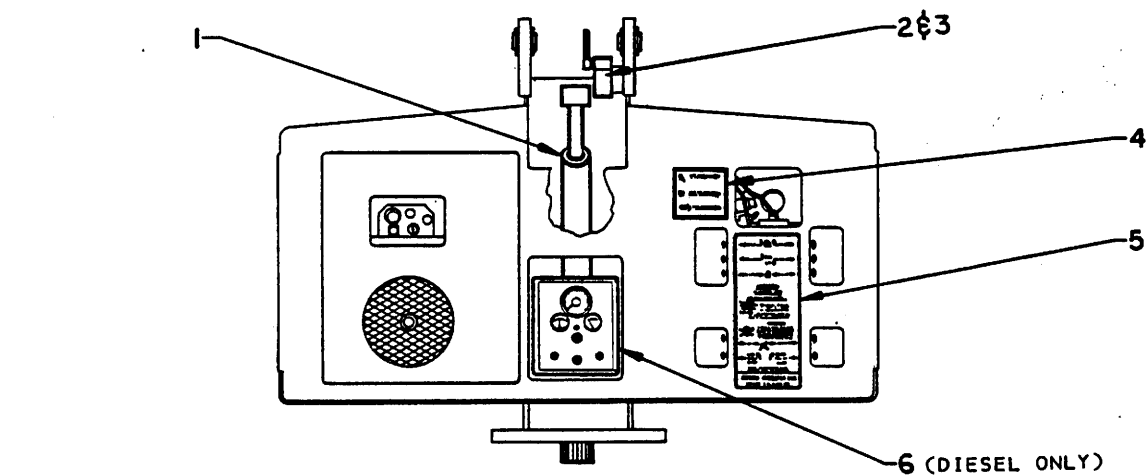
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	D10	MASTER LEVEL CYLINDER	1
2	03-021400		LIMIT SWITCH	1
3	03-026200		LEVER ARM, LIMIT SWITCH	1
4	10-020400		DECAL, EMERGENCY CONTROLS	1
5	10-019400		DECAL, GROUND CONTROLS (500 LB. CAP.)	1
6	SEE INDEX	C7	ENGINE CONTROL BOX (DIESEL ONLY)	1
7	SEE INDEX	D11	HIGH PRESSURE FILTER	1
8	01-020600		SHUTOFF VALVE, 3/4"	1
9	01-002700		SHUTOFF VALVE, 1-1/4"	1
10	01-008200		VENT PLUG W/FILTER	1
11	10-002100		FILLER CAP, HYDRAULIC OIL	1
12	10-001000		STRAINER	1
13	SEE INDEX	D12	SIGHT GAUGE	2
14	SEE INDEX	F2	SWING REDUCER	1
15	SEE INDEX	D6	SWING MOTOR	1
16	SEE INDEX	D7	EMERGENCY PUMP (4/84)	1
17	SEE INDEX	C4	ENGINE ASSEMBLY	1
18	SEE INDEX	D9	LIFT CYLINDER	1
19	04-021402		HOLDING VALVE, LIFT CYLINDER	1
20	SEE INDEX	C3	GROUND CONTROL BOX	1
21	08-000800		BEARING, BOOM PIVOT	2
22	03-021400		LIMIT SWITCH	1
23	03-026300		LEVER ARM, LIMIT SWITCH	1
24	SEE INDEX	D5	GROUND HPC VALVE	1
25	03-021200		PUSH BUTTON	1
26	03-025000		CONTACT BLOCK	1
27	03-020700		TOGGLE SWITCH 4PDT (GROUND OVERRIDE)	1
28	SEE INDEX	C2	VALVE BANK ASSEMBLY	1
29	01-008900-1		RELIEF VALVE, LEVELING (SBD-201515-4)	2
30	01-020200	D7.1	EMERGENCY PUMP (TO 04/84)	1
31	01-032800		SHUTOFF VALVE, 1/4"	1
32	10-001900		FILLER CAP, FUEL	1

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY

PART NO.

CAA-207248-1



1284/0677

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY

PART NO.

CAA-207248-1

PARTS LIST

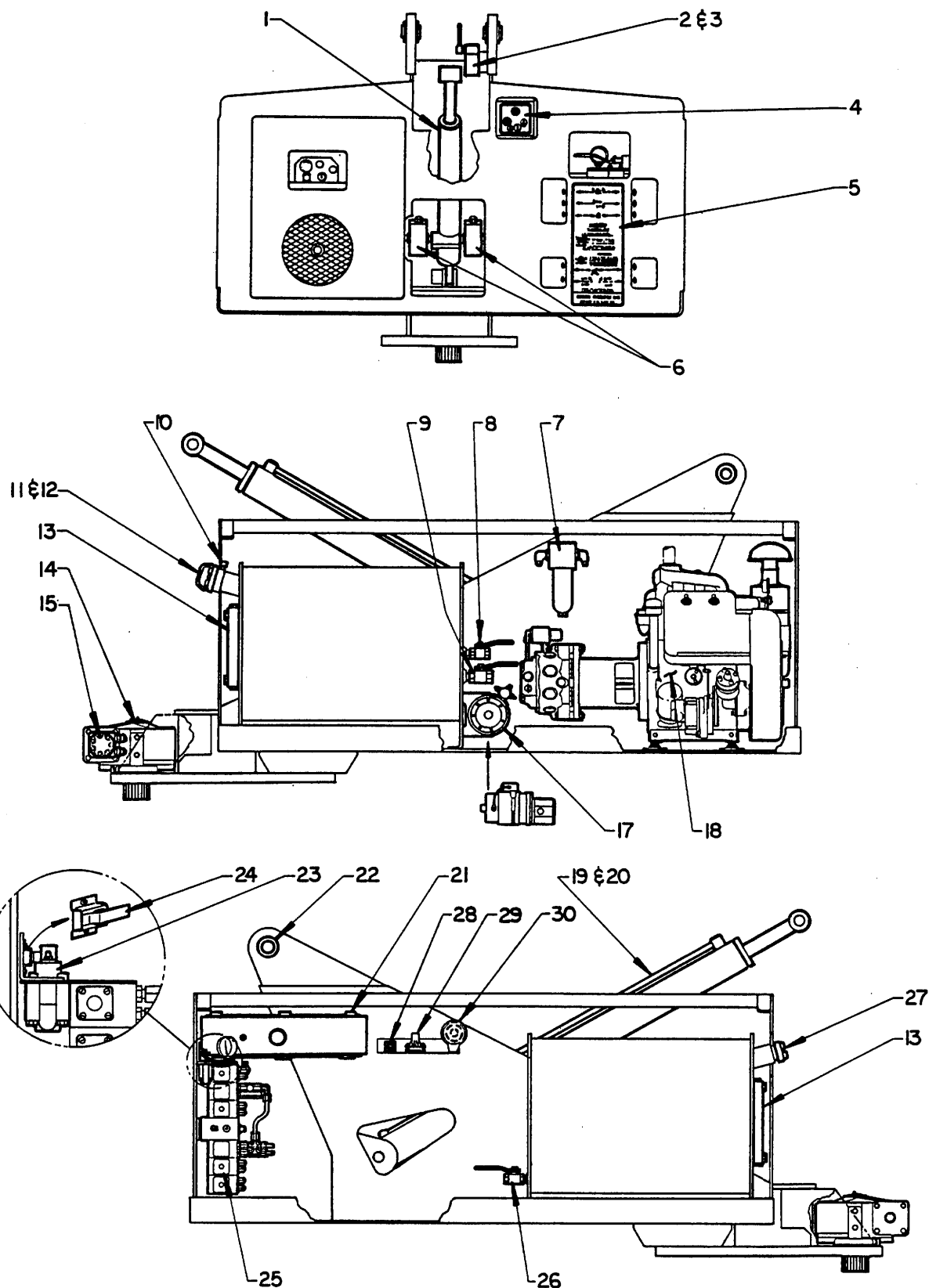
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	D10	MASTER LEVEL CYLINDER	1
2	03-021400		LIMIT SWITCH	1
3	03-026200		LEVER ARM, LIMIT SWITCH	1
4			DECAL, GROUND CONTROL BOX	1
5	10-019400		DECAL, GROUND CONTROLS (500 LB. CAP.)	1
6	01-008900		LEVELING RELIEF VALVE	2
7	SEE INDEX	D11	HIGH PRESSURE FILTER	1
8	01-020600		SHUTOFF VALVE, 3/4"	1
9	01-002700		SHUTOFF VALVE, 1-1/4"	1
10	01-008200		VENT PLUG W/ FILTER	1
11	10-002100		FILLER CAP, HYDRAULIC OIL	1
12	12-001000		STRAINER	1
13	SEE INDEX	D12	SIGHT GAUGE	2
14	SEE INDEX	F2	SWING REDUCER	1
15	SEE INDEX	D6	SWING MOTOR	1
16				
17	SEE INDEX	D7	EMERGENCY PUMP	1
18	SEE INDEX	C4	ENGINE ASSEMBLY	1
19	SEE INDEX	D9	LIFT CYLINDER	1
20	04-021402		HOLDING VALVE, LIFT CYLINDER	1
21	SEE INDEX	C3	GROUND CONTROL BOX	1
22	08-000800		BEARING, BOOM PIVOT	2
23	SEE INDEX	D5	GROUND HPC VALVE	1
24	03-026700		LIMIT SWITCH	1
25	SEE INDEX	C2	VAVLE BANK ASSEMBLY	1
26	01-032800		SHUTOFF VALVE, 1/4"	1
27	10-001900		FILLER CAP, FUEL	1
28	03-038300		MOVEMENT ALARM	1
29	03-038100		TILT ALARM	1
30	03-036100		HORN	1

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY

PART NO.

CAA-208494-7



0885/0785

DESCRIPTION

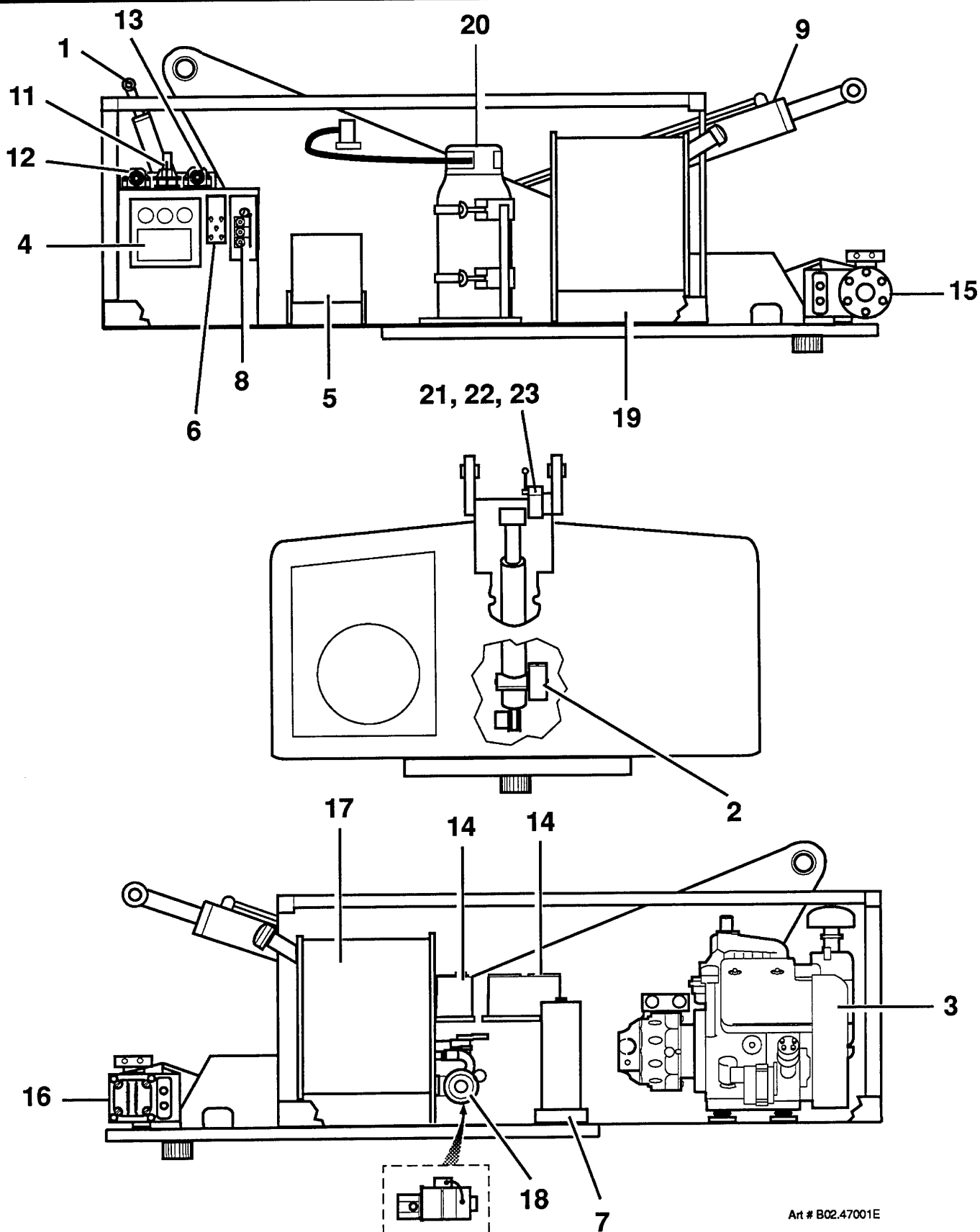
SUPERSTRUCTURE ASSEMBLY

PART NO.

CAA-208494-7

[illegible]

**PART
NO.**



TITLE SUPERSTRUCTURE ASS'Y, MP 50 ELECTRO-PROPORTIONAL TYPE 1

SIMON AERIALS INC.

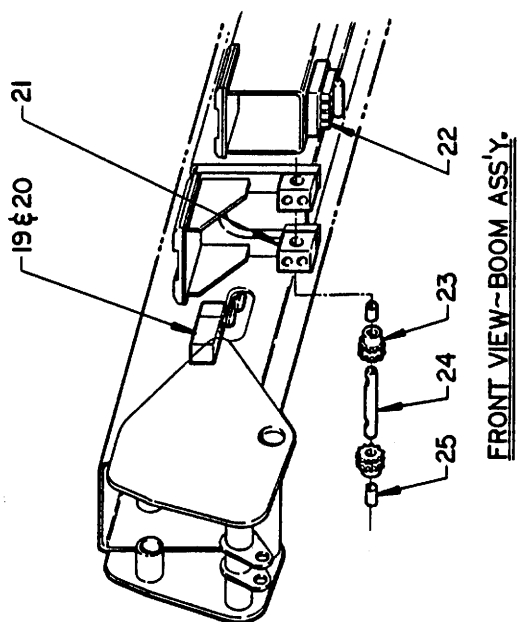
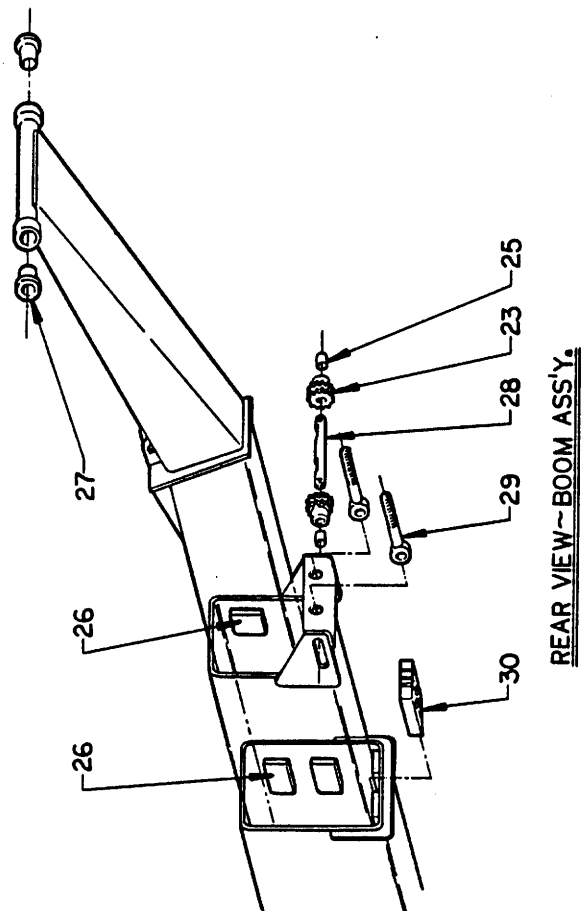
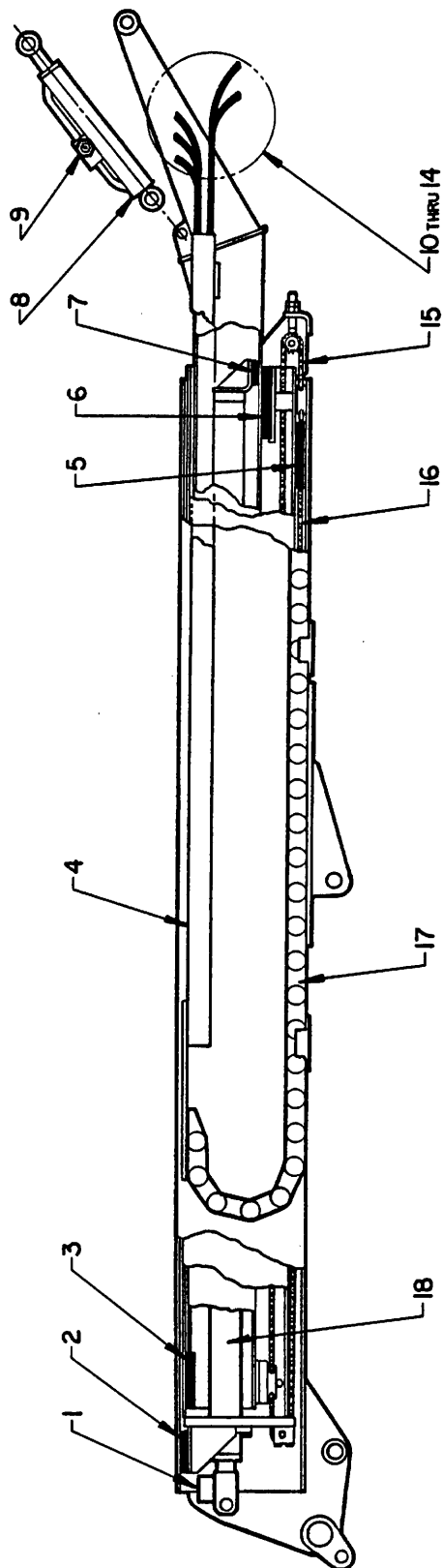
NEW 14 DEC., 1993

PART
NO.

PLATE
NO. B02.47

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
2	SBA-204647-9		SLIDER PAD, MID BOOM (TOP-FRONT)	1
3	SBA-204705-4		SLIDER PAD, TIP BOOM (TOP-FRONT)	1
4	SDW-202291-4		MOVING ANCHOR	1
5	SBA-204704-5		SLIDER PAD, BASE BOOM (BOTTOM-REAR)	2
6	SBA-204680-8		SLIDER PAD, MID BOOM (BOTTOM-REAR)	1
7	SBD-201293-3		SLIDER PAD, EXTEND CYLINDER	1
8	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
9	SEE INDEX	D21	HOLDING VALVE, SLAVE CYLINDER	1
10			HYDRAULIC HOSE, HPC PRESSURE	1
11			HYDRAULIC HOSE, HPC RETURN	1
12			HYDRAULIC HOSE, SLAVE CYLINDER ROD	1
13			HYDRAULIC HOSE, SLAVE CYLINDER CASE	1
14	03-008500		MULTI CONDUCTOR CABLE	
15	08-003200		ROLLER CHAIN, REAR (OUTSIDE)	1
16	08-003200		ROLLER CHAIN, FRONT (INSIDE)	1
17	SEE INDEX	F3	HOSE TRACK	1
18	SEE INDEX	D19	EXTEND CYLINDER	1
19	03-021400		LIMIT SWITCH	1
20	03-026000		LEVER ARM, LIMIT SWITCH	1
21	SBD-201291-1		ANCHOR BLOCK, CHAIN SPROCKET PIN	2
22	SCW-201903-5		FRONT CHAIN ANCHOR BLOCK	1
23	SAA-204702-3		SPROCKET ASSEMBLY (INCLUDES ITEM 25)	4
24	SBD-201290-2		FRONT SPROCKET PIN	1
25	08-004300		SLEEVE BEARING	4
26	SBA-204648-4		SIDE SLIDER PAD	6
27	08-002200		FLANGE BUSHING	2
28	SBD-201292-8		REAR SPROCKET PIN	1
29	SBD-201790-7		CHAIN TAKE-UP SCREW	2
30	SBD-201788-4		REAR CHAIN ANCHOR BLOCK	1
31	08-004600		MASTER LINK ASSEMBLY (NOT SHOWN)	4REF.
DESCRIPTION			PART NO.	
BOOM ASSEMBLY - EARLY MODEL			CAA-208478-7	



0585/0679

DESCRIPTION

BOOM ASSEMBLY - EARLY MODEL

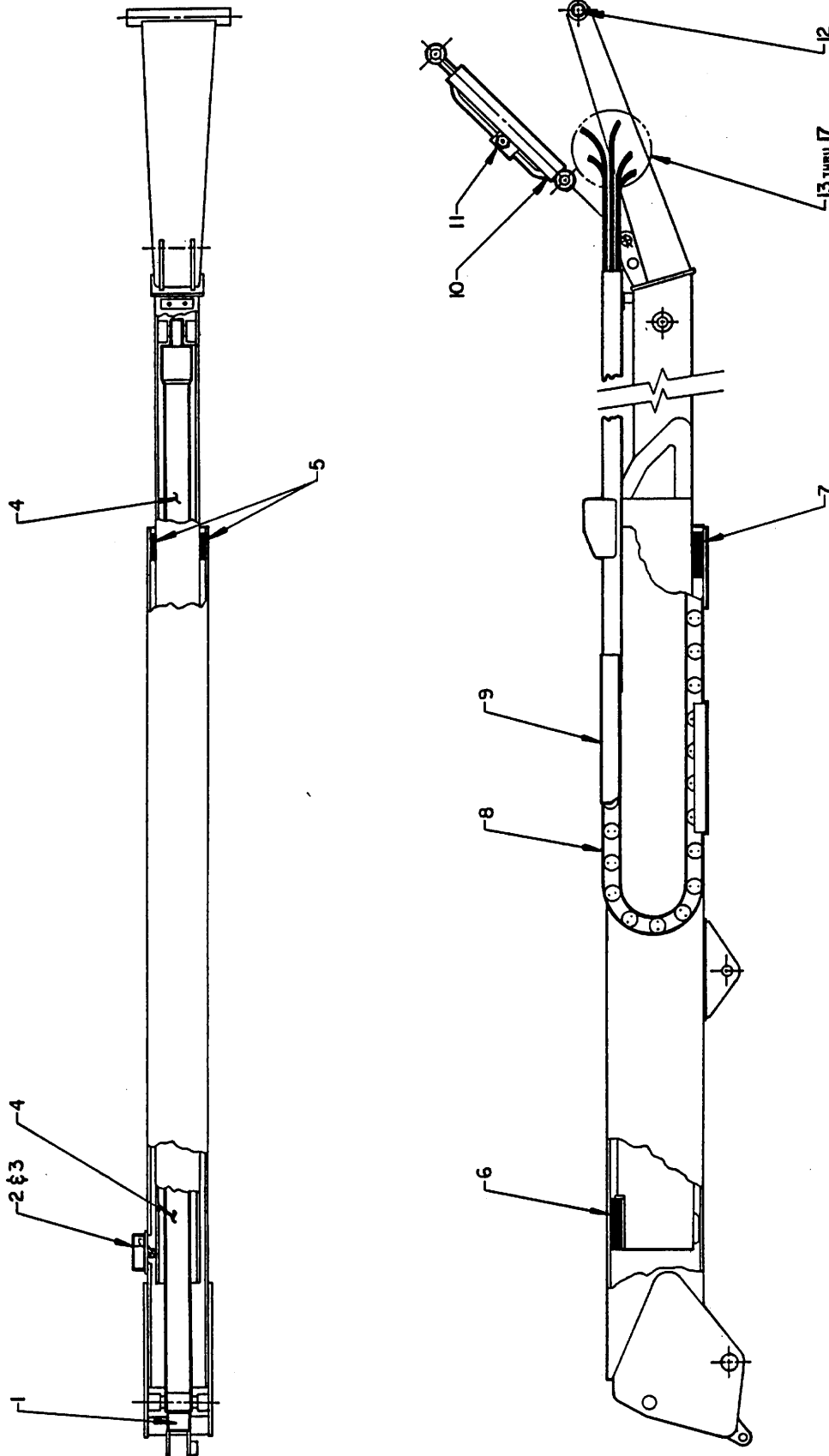
PART NO.

CAA-208478-7

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
2	03-021400		LIMIT SWITCH	1
3	03-026400		LEVER ARM, LIMIT SWITCH	1
4	SEE INDEX	D19	EXTEND CYLINDER	1
5	SBA-204648-4		SIDE SLIDER PAD	4
6	SCD-204647-9		SLIDER PAD	2
7	SCD-204647-9		SLIDER PAD	2
8	SEE INDEX	F3	HOSE TRACK	1
9			MOVING ANCHOR	1
10	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
11	SEE INDEX	D21	HOLDING VALVE, SLAVE LEVEL CYLINDER	2
12	08-002200		BUSHING, PLATFORM PIVOT	2
13			HYDRAULIC HOSE, HPC PRESSURE	1
14			HYDRAULIC HOSE, HPC RETURN	1
15			HYDRAULIC HOSE, LEVEL CYLINDER ROD	1
16			HYDRAULIC HOSE, LEVEL CYLINDER CASE	1
17	03-085000		MULTI CONDUCTOR CABLE, 65'	A.R.
DESCRIPTION			BOOM ASSEMBLY	PART NO. CAA-208479-0

B3.14



0585/0683

DESCRIPTION

BOOM ASSEMBLY

PART NO.

CAA-208479-0

PARTS LIST

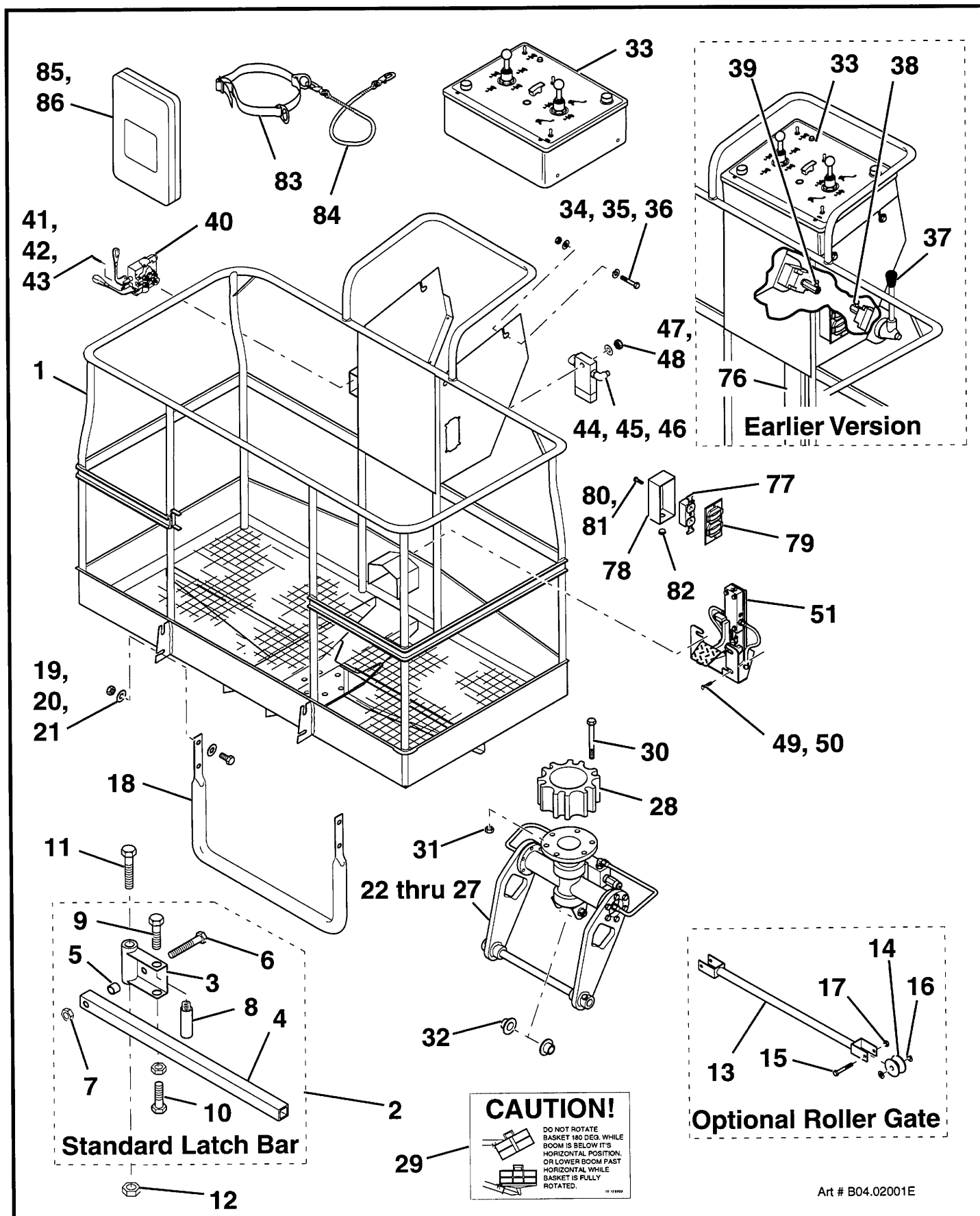
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Hydraport controls (with 2 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: First type, with separate hose channel under console: MP Series (36" x 72" [.91 M x 1.83 M]) MPN Series (36" x 60" [.91 M x 1.52 M]) Second type, without separate hose channel: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard) Later style, with Platform Rotate and Level valves both in box on outside of left side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
	205 6409 205 6399			
	211 7580 211 7640 211 7520			
	230 5280 230 5310 230 5250			
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	219 8520		BAR, GATE (optional pull up "Roller Gate" style)	1
14	219 8510		ROLLER, PULL UP GATE	2
15	07-003053		CAP SCREW, HEX HD (3/8"-16 x 3", Grade 5)	2
16	07-062016		WASHER, FLAT (7/16")	4
17	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
18	214 6800 219 8710		STEP, PLATFORM Standard version (17-1/2" [.44 M] high) Optional longer step (21-1/2" [.55 M] high)	1
19	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
20	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
21	07-062016		WASHER, FLAT (7/16")	8

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)

PLATE NO. B04.02 SIMON AERIALS INC.

REV. 07 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

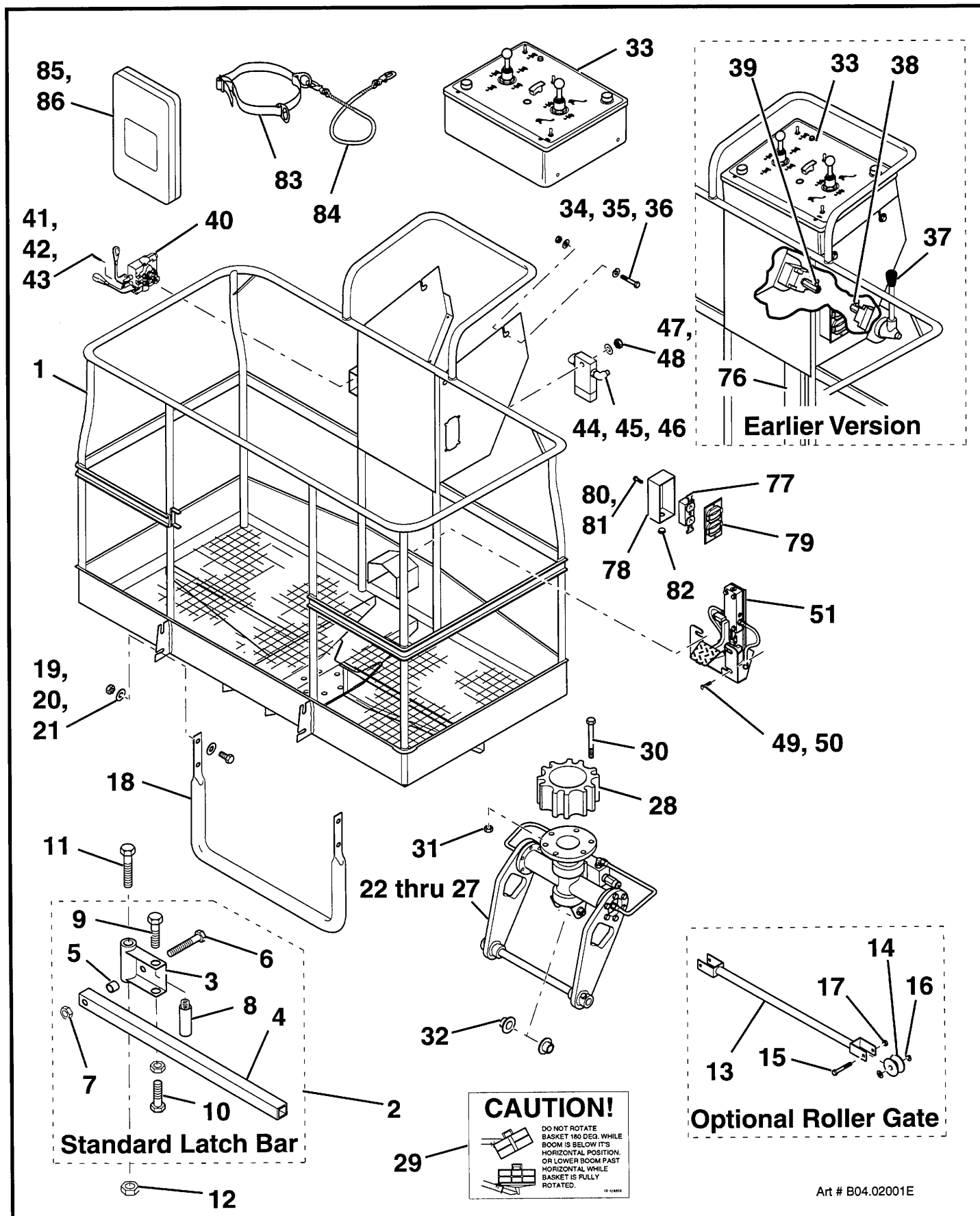
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	See Index . .	D24. - -	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
23	210 2940		PIN, PLATFORM PIVOT (1-1/4" x 20") except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
24	206 8879		PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end) except Canada (Standard type, included with actuator)	1
	Call Simon		CSA standards (Specify if this type is needed)	1
25	01-001900		VALVE, DOUBLE LOCK (Earlier versions. No cartridges protrude from block.)	1
26	01-202000		MANIFOLD, RELIEF/ CHECK VALVE (Later versions. Two cartridges protrude from block.)	1
27	08-040700		RING, RETAINING (1-1/4")	4
28			SPACER, ROTARY ACTUATOR (for use with 96" platform)	1
	233 5380		Model MP 40 (4" [102 mm] thick)	
	233 5510		except Model MP40 (6" [152 mm] thick)	
29	10-129200		DECAL, "CAUTION, DO NOT ROTATE . . ." (found on some earlier versions having 96" platform, but no spacer)	1
30			CAP SCREW, HEX HEAD (1/2"-13, Grade 8)	6
	07-004089		2" long, for all except with 96" platform	
	07-004100		6" long, for Model MP 40 with 96" platform	
	07-113400		8", long, for models with 96" platform except MP 40	
31	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
32	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long) (later versions)	2
	08-002500		BEARING, SLEEVE (1-1/4" I.D., 1-5/8" O.D., 1" long) (earlier versions)	2
33	See Index . .	C08. - -	PLATFORM CONTROL CONSOLE ASSEMBLY	1
34	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
35	07-062016		WASHER, FLAT (3/8")	8
36	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
37	See Plate . .	D14. - -	VALVE, 4-WAY MANUAL (Platform level or rotate) (Earlier versions)	2
38	01-020800		VALVE, CHECK	1
39	01-000500		VALVE, NEEDLE	1
40	See Plate . .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
41	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
42	07-060014		WASHER, FLAT (1/4", SAE)	2
43	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 4)

PLATE NO. B04.02 **SIMON AERIALS INC.**

REV. 07 DEC., 1994

PART NO.



Art # B04.02001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
44	01-001900		VALVE, CHECK (Pilot operated)	1
45	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
46	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
47	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
48	07-062015		WASHER, FLAT (5/16")	2
49	07-003042		CAP SCREW, HEX HEAD (3/8"-16 x 5/8", Grade 5)	4
50	07-065016		WASHER, HELICAL LOCK (3/8")	4
51			FOOT VALVE ASSEMBLY, HYDRAPORT	1
	350 0862		Earlier version(Toe guard bolts to base)	
	352 3620		Later version(Toe guard is part of the platform weldment)	
52	205 6920		BRACKET, FOOT PEDAL (for later versions)	1
53	203 3969		BASE, FOOT PEDAL (for earlier versions)	1
54	203 3914		GUARD, TOE (for earlier versions)	1
55	07-003042		CAP SCREW, HEX HEAD (3/8"-16 x 5/8", Grade 5)	2
56	07-065015		WASHER, HELICAL LOCK (3/8")	2
57	200 5146		PEDAL, FOOT (Welded block on lever for limit switch actuator screw attachment.)	1
58	203 3950		PEDAL, FOOT (Lever is bent for switch actuator.	
			For some earlier versions.)	1
59	203 3893		PIN (3/8" dia. x 2-1/16" long)	1
60	08-010500		BEARING, FLANGED (3/8" I.D.) (for later versions)	2
61	08-047000		RING, RETAINING	2
62	08-010200		LINK, CHAIN CONNECTING	1
63	See Index . .	D05. - -	VALVE, DESTROKE (HPC Valve)	1
64	07-003027		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/2", Grade 5)	2
65	07-065015		WASHER, HELICAL LOCK (5/16")	2
66	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
67	350 7812		TUBE ASSEMBLY (for later versions)	1
68	350 7825		TUBE ASSEMBLY (for later versions)	1
69	06-095000		PLUG (6 HP50N-S) (for earlier versions)	1
70	06-032000		UNION, BULKHEAD (6 WTX-S) (for later versions)	2
71	03-026600		SWITCH, LIMIT	1
72			MACHINE SCREW	2
	07-011344		PAN HEAD (#8-32 x 3/4") (for earlier versions)	
	07-090100		ROUND HEAD (#10-32 x 3/4") (for later versions)	
73	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	1
74	07-040014		NUT, HEX (1/4"-20, Grade 5)	1
75	07-060014		WASHER, FLAT (1/4", SAE) (for later versions)	4

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 4)

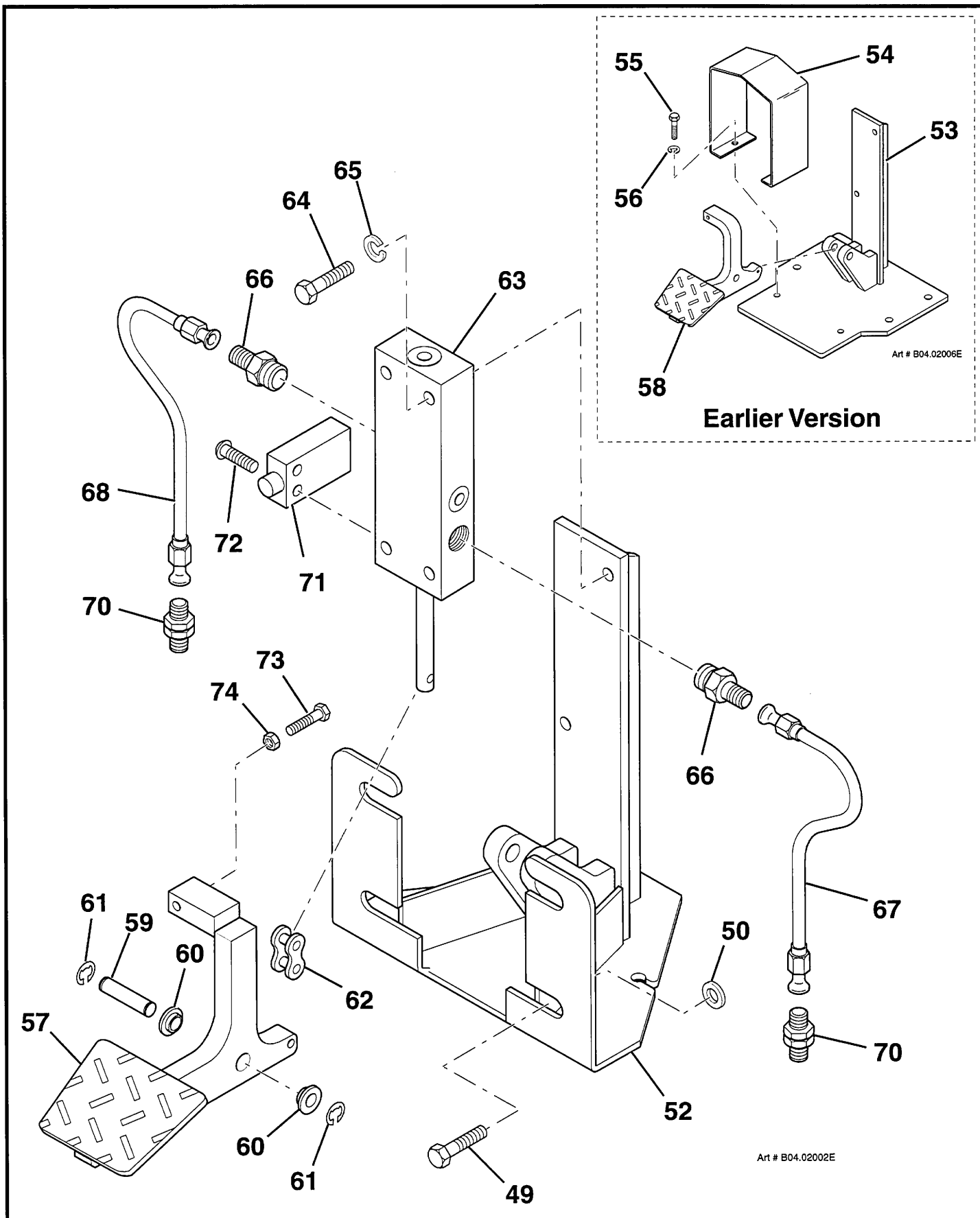
PLATE NO.

B04.02

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

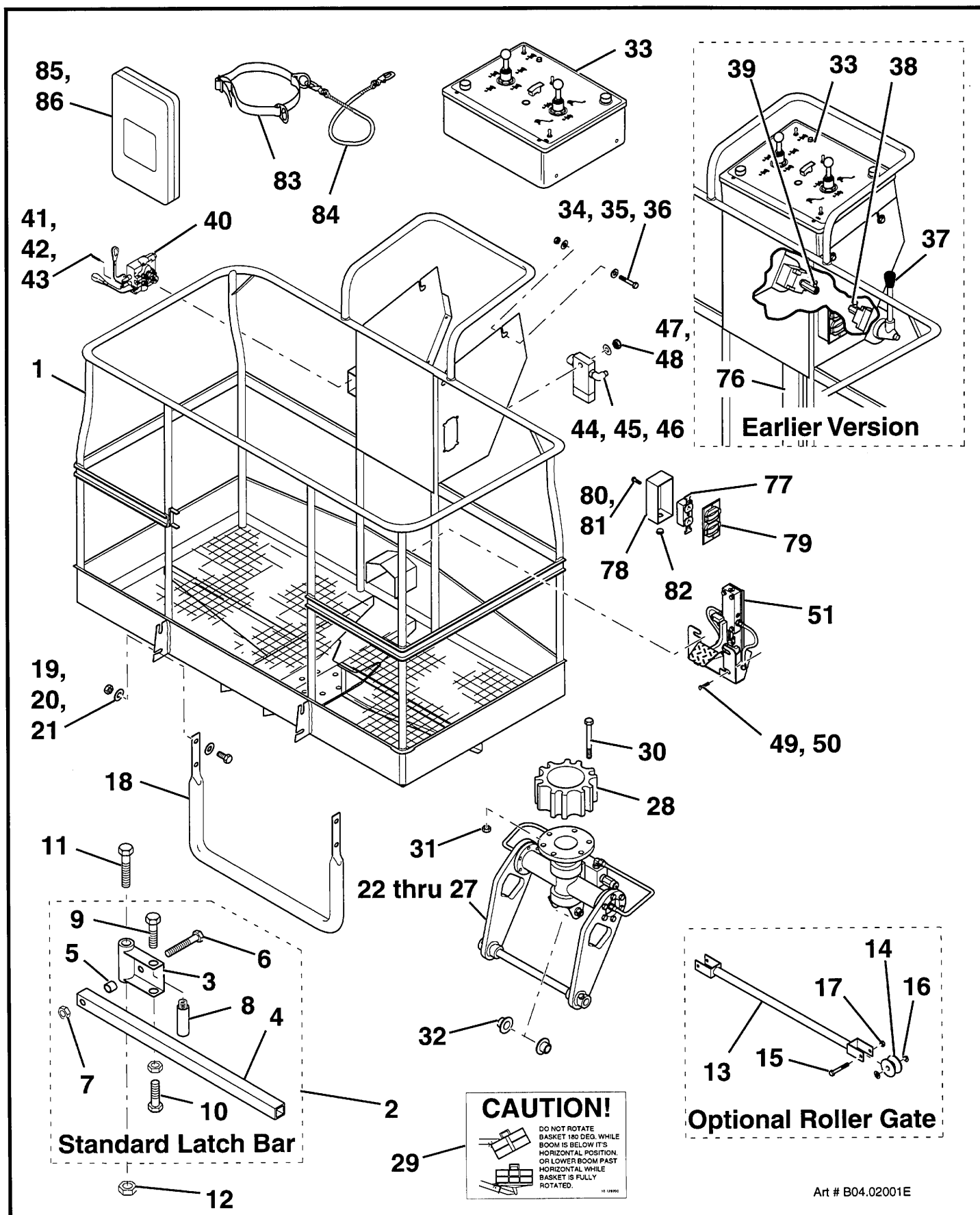
PART
NO.

PLATE
NO. B04.02

[illegible]

PLATE NO. B04.02	SIMON AERIALS INC.
------------------	--------------------

PART
NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 4 OF 4)

SIMON AERIALS INC.

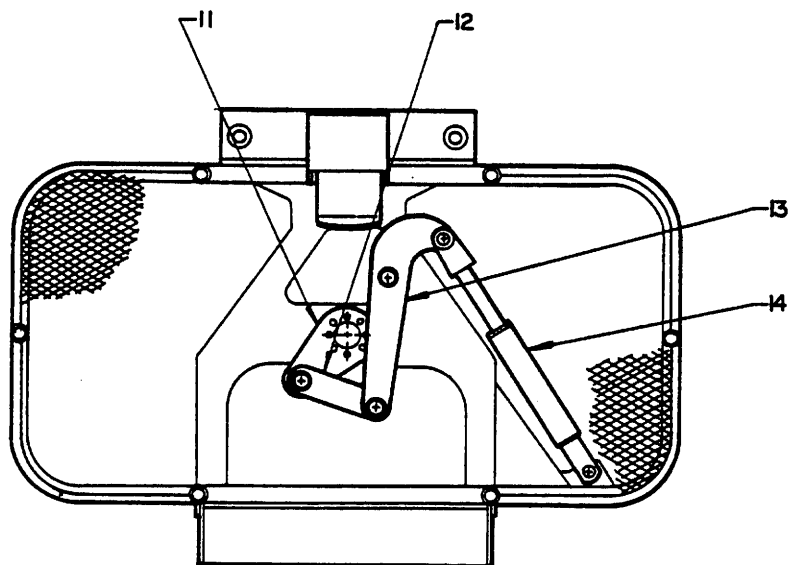
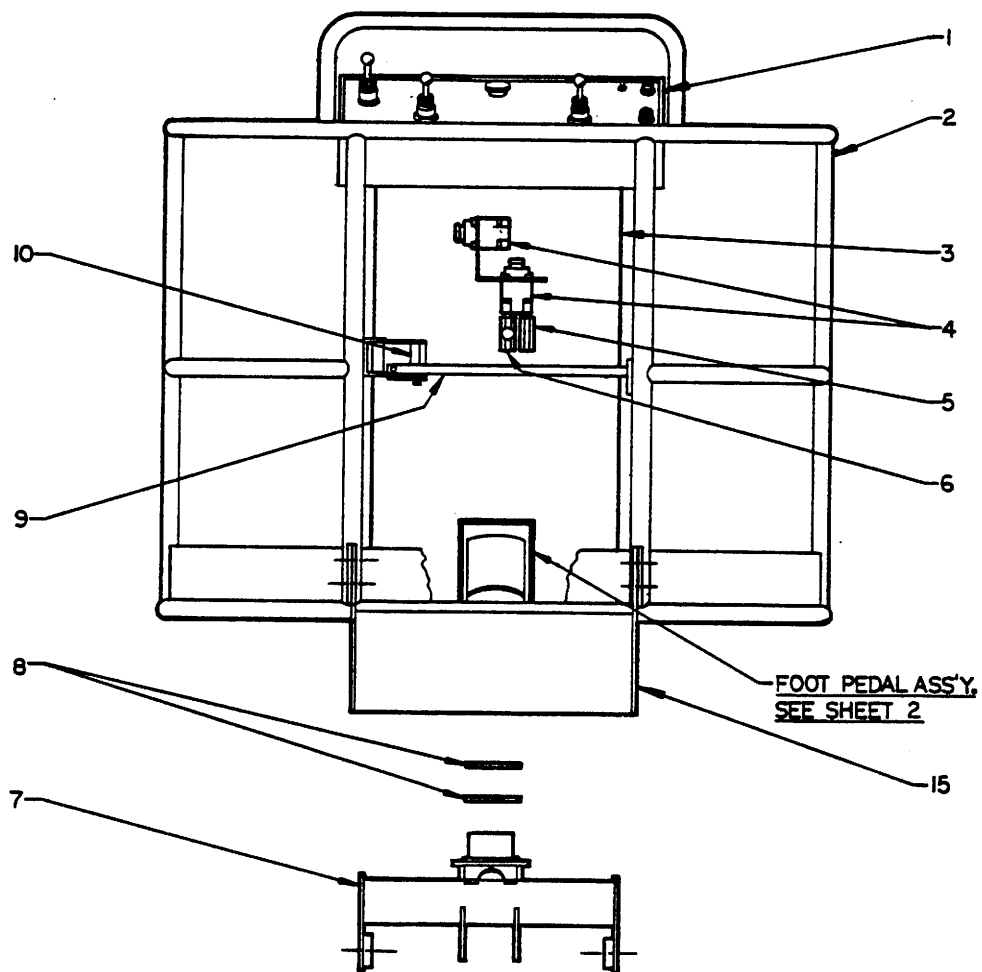
REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	C8	PLATFORM CONTROL CONSOLE ASSEMBLY	1
2			PLATFORM WELDMENT	1
3			CONSOLE WELDMENT	1
4	01-008000	D14.1	4-WAY MANUAL VALVE (ROTATE & LEVELING	2
5	01-020800		CHECK VALVE	1
6	01-000500		NEEDLE VALVE	1
7	SDW-200755-5		TRUNNION	1
8	SBD-201563-7		THRUST WASHER	2
9	SBD-204166-9		GATE	1
10	08-010100		SPRING	1
11	SLW-202032-3		PIVOT ARM	1
12	SBD-201567-3		MID LINK	1
13	SDW-202578-2	D23	LEVER ARM	1
14	SEE INDEX		ROTATE CYLINDER	1
15	SDW-202607-7		STEP	1
16	SDW-202552-4		NOT SHOWN:	
17	SBW-201548-8		DOOR - EARLY MODEL	1
			LATCH - EARLY MODEL	1
DESCRIPTION			PART NO.	
PLATFORM ASSEMBLY			CAA-207229-8	



TOP VIEW OF FLOOR

0884 / 0677

SHEET 1 OF 2

DESCRIPTION

PLATFORM ASSEMBLY

PART NO.

CAA-207229-8

PARTS LIST

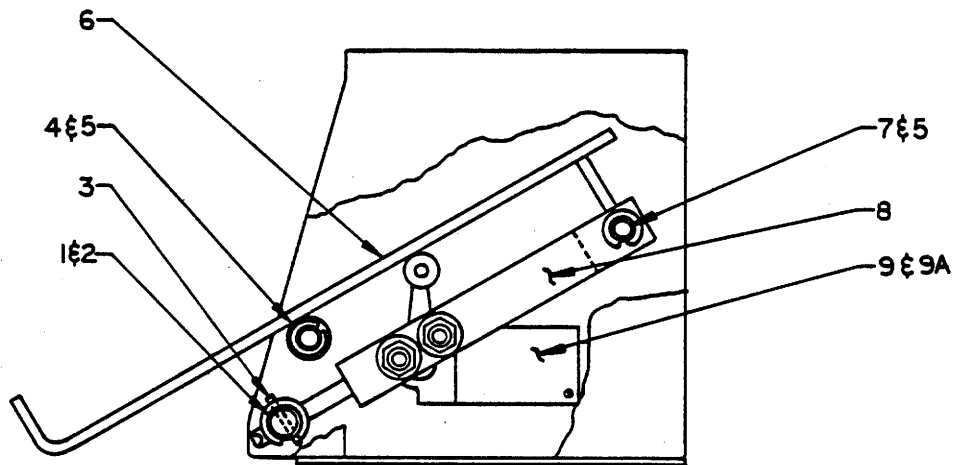
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SBD-201559-6		PIN, VALVE SPOOL	1
2	08-045200		SNAP RING	2
3	07-075414		ROLL PIN	1
4	SBD-201557-4		PIN, PEDAL PIVOT	1
5	08-045300		SNAP RING	4
6	SDW-202571-1		FOOT PEDAL WELDMENT	1
7	SBD-201560-6		PIN, VALVE BODY	1
8	SEE INDEX	D5	HPC VALVE	1
9	03-021400		LIMIT SWITCH	1
9A	03-026000		LEVER ARM, LIMIT SWITCH	1
10	SEE INDEX	D5	HPC VALVE	1
11	03-026600		LIMIT SWITCH	1
12	08-010200		LINK ASSEMBLY	1
13	SAD-203389-3		PIN	1
14	08-047000		SNAP RING	1
15	08-010500		FLANGE BEARING	2
16	SCW-203395-0		FOOT PEDAL	1

DESCRIPTION

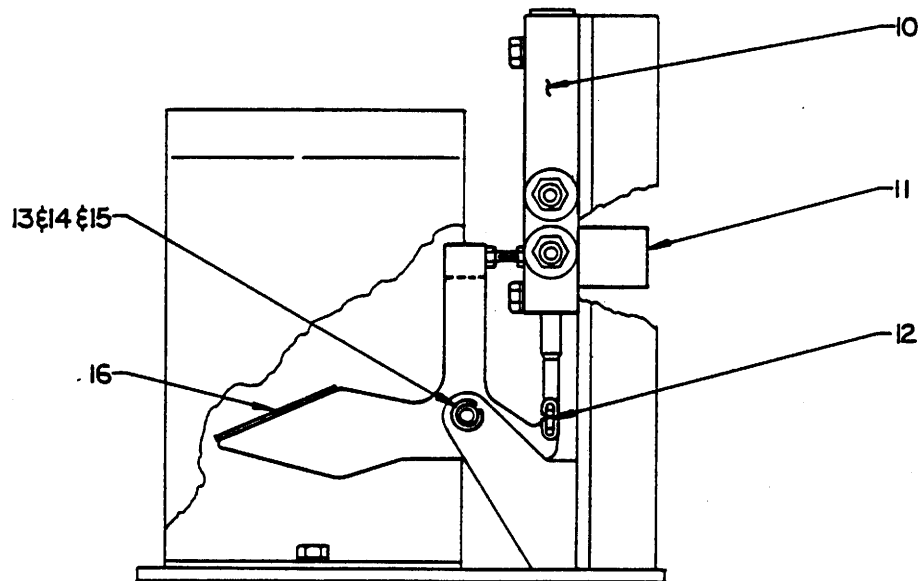
PLATFORM ASSEMBLY

PART NO.

CAA-207229-8



FOOT PEDAL ASS'Y. ~ EARLY MODEL



FOOT PEDAL ASS'Y. ~ LATE MODEL

0884/0677

SHEET 2 OF 2

DESCRIPTION

PART NO.

PLATFORM ASSEMBLY

CAA-207229-8

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Earliest style Electro-Proportional controls (with 4 Control Levers): MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
2	351 4160		BAR ASSEMBLY, LATCH	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
14	03-021301		SWITCH (Single pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	214 6800		STEP, PLATFORM (17-1/2" [.44 M] high) (not shown)	1
17	See Index .	D24. --	ACTUATOR, ROTARY (Helical type, 180°)	1
18	01-001900		VALVE, DOUBLE LOCK (Earlier versions. No cartridges protrude from block.)	1
	01-202000		MANIFOLD, RELIEF/ CHECK VALVE (Later versions. Two cartridges protrude from block.)	1
19	07-004089		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 8)	6
20	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
21	08-002500		BEARING, SLEEVE (1-1/4" I.D., 1-5/8" O.D., 1" long)	2
22	See Index .	C08. --	PLATFORM CONTROL CONSOLE ASSEMBLY	1
23	10-034000		BELT, SAFETY	1
24	10-033900		LANYARD, SAFETY BELT	1

TITLE

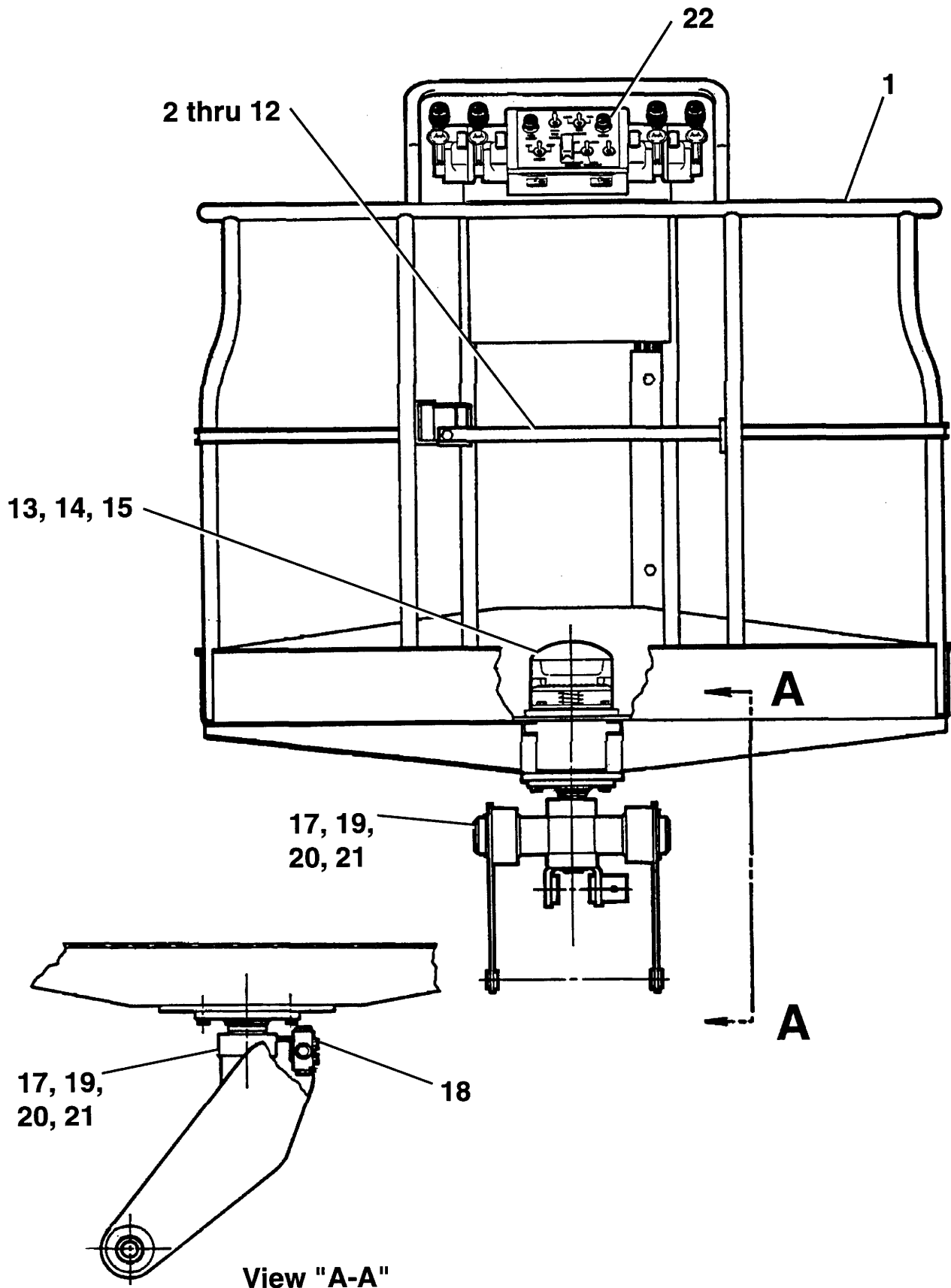
PLATFORM ASSEMBLY, MP SERIES

PLATE NO. **B04.06**

SIMON AERIALS INC.

REV. 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES

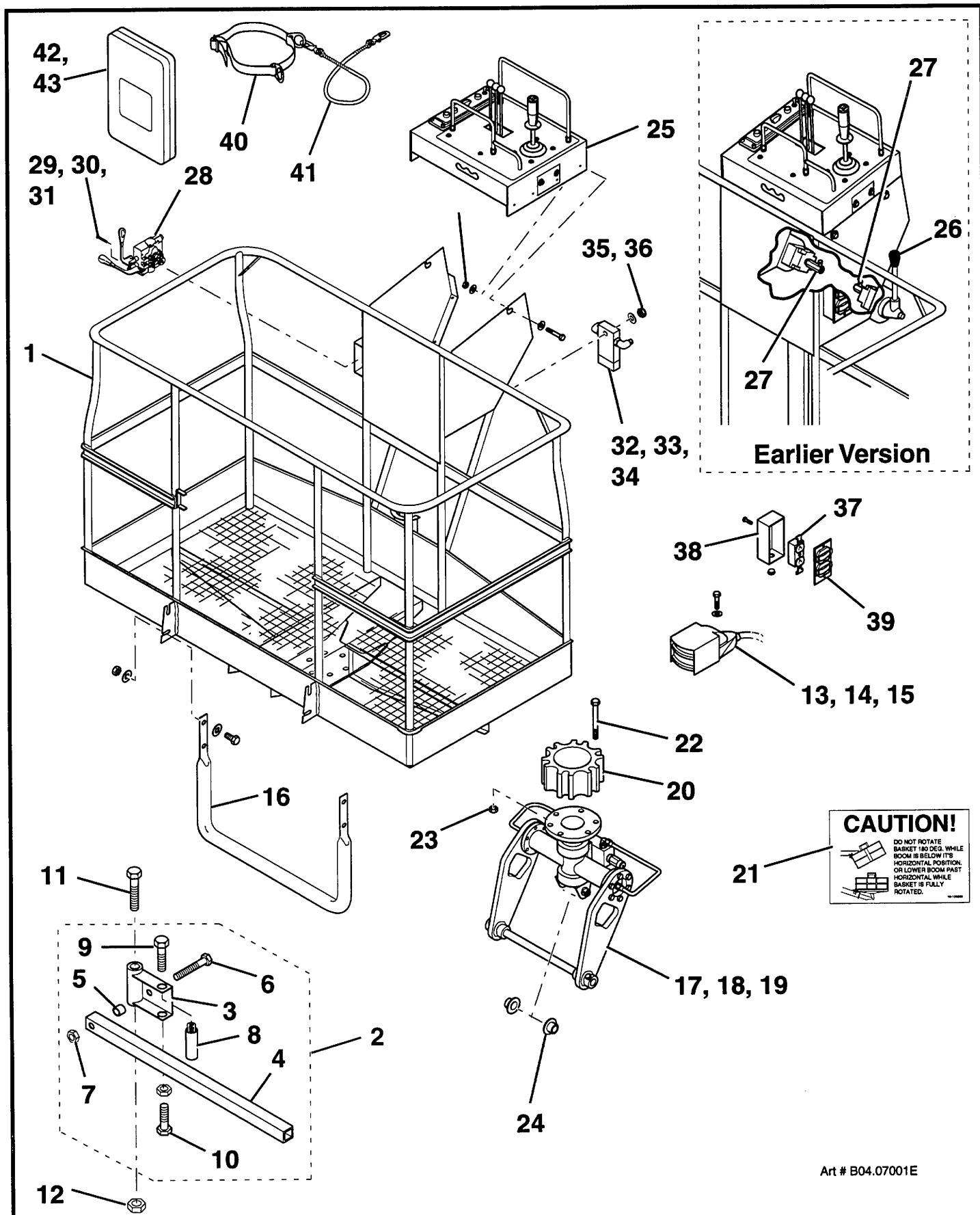
SIMON AERIALS INC.

REV. 01 DEC., 1994

PART
NO.

PLATE
NO. **B04.06**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Full Hydraulic controls (4 "Joysticks"):	1
	209 6054		Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard)	
	211 4440		MP Series (36" x 96" [.91 M x 2.44 M]) (Optional)	
	210 1450		MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	
			Later style, with Platform Rotate and Level valves both in box on outside of left side of console:	
	230 5300		MP Series (36" x 72" [.91 M x 1.83 M]) (Standard)	
	230 5330		MP Series (36" x 96" [.91 M x 2.44 M]) (Optional)	
	230 5270		MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	
	230 6920		Special Application (30" x 60" [.76 M x 1.52 M])	
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
14	03-021301		SWITCH (Single pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	214 6800		STEP, PLATFORM (17-1/2" [.44 M] high)	1
17	See Index .	D24. - -	ACTUATOR, ROTARY (Helical type, 180°)	1
18	01-001900		VALVE, DOUBLE LOCK (Earlier versions. No cartridges protrude from block.)	1
19	01-202000		MANIFOLD, RELIEF/ CHECK VALVE (Later versions. Two cartridges protrude from block.)	1
20	233 5380		SPACER, ROTARY ACTUATOR (for use with 96" platform) Model MP 40 (4" [102 mm] thick)	1
	233 5510		except Model MP40 (6" [152 mm] thick)	
21	10-129200		DECAL, "CAUTION, DO NOT ROTATE . . ." (found on some earlier versions having 96" platform, but no spacer)	1
TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 2)				
PLATE NO.	B04.07	SIMON AERIALS INC.		PART NO.
			NEW 01 DEC., 1994	



TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.

PLATE NO. B04.07

PARTS LIST

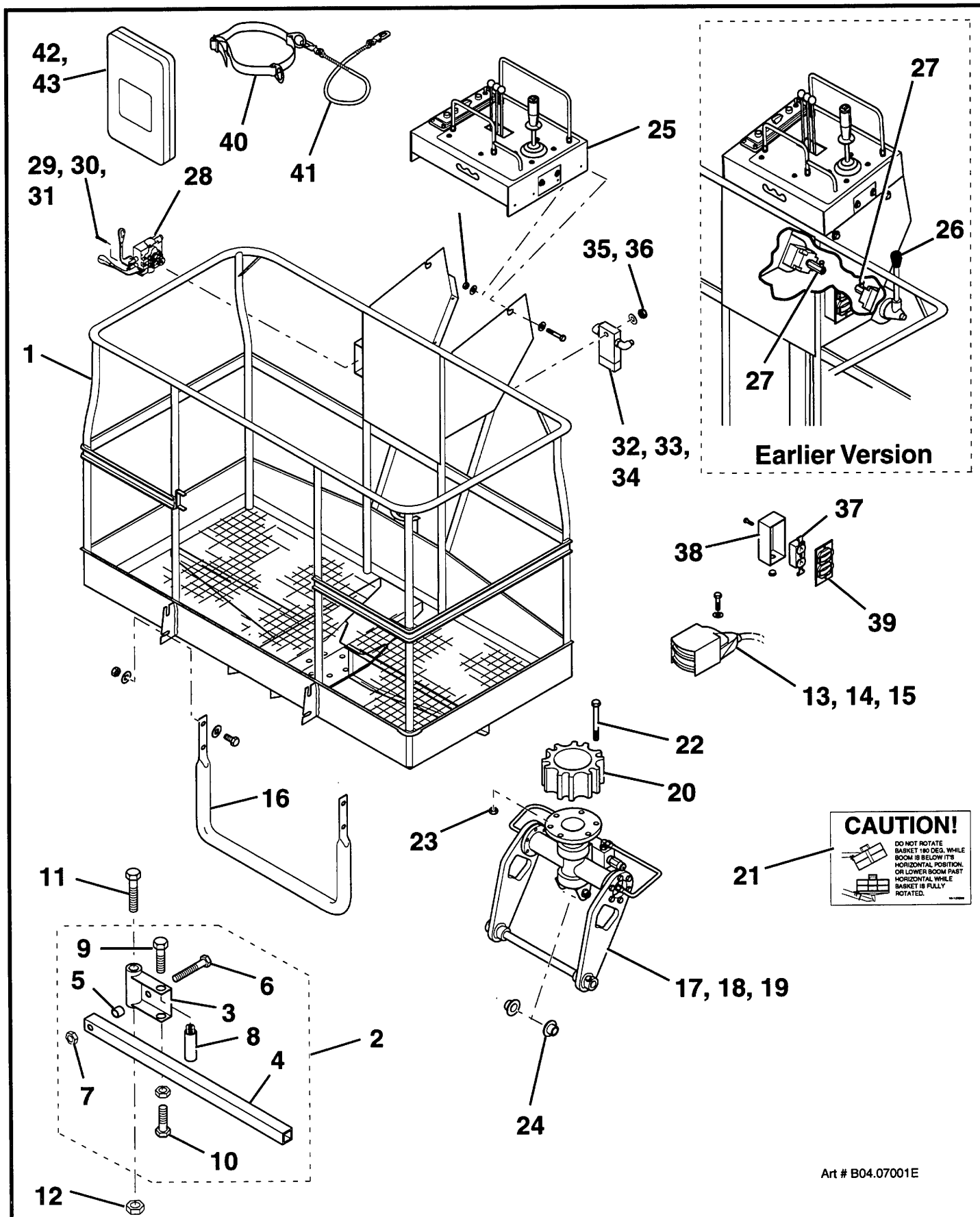
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	07-004089 07-004100		CAP SCREW, HEX HEAD (1/2"-13, Grade 8) 2" long, for all except with 96" platform 6" long, for Model MP 40 with 96" platform	6
23	07-113400 07-058400		8", long, for models with 96" platform except MP 40 NUT, LOCK (1/2"-13, Grade 8)	6
24	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long) (later versions)	2
	08-002500		BEARING, SLEEVE (1-1/4" I.D., 1-5/8" O.D., 1" long) (earlier versions)	2
25	See Index . .	C08. - -	PLATFORM CONTROL CONSOLE ASSEMBLY	1
26	See Plate . .	D14. - -	VALVE, 4-WAY MANUAL (Platform level or rotate) (Earlier versions)	2
27	01-018900		VALVE, NEEDLE (#6 SAE Ports)	2
28	See Plate . .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
29	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
30	07-060014		WASHER, FLAT (1/4", SAE)	2
31	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
32	01-001900		VALVE, CHECK (Pilot operated)	1
33	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
34	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
35	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
36	07-065015		WASHER, HELICAL LOCK (5/16")	2
37	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
38	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
39	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
40	10-034000		BELT, SAFETY	1
41	10-033900		LANYARD, SAFETY BELT	1
42	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
43	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
44	10-159100		COVER, CONSOLE CONTROLS (black vinyl) (option)	1
45	10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
46	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
47	Call Simon		HOSE KIT, PLATFORM (Full Hydraulic)	1

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 2)

PLATE NO. B04.07 **SIMON AERIALS INC.**

NEW 01 DEC., 1994

PART NO.



Art # B04.07001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. **B04.07**

PARTS LIST

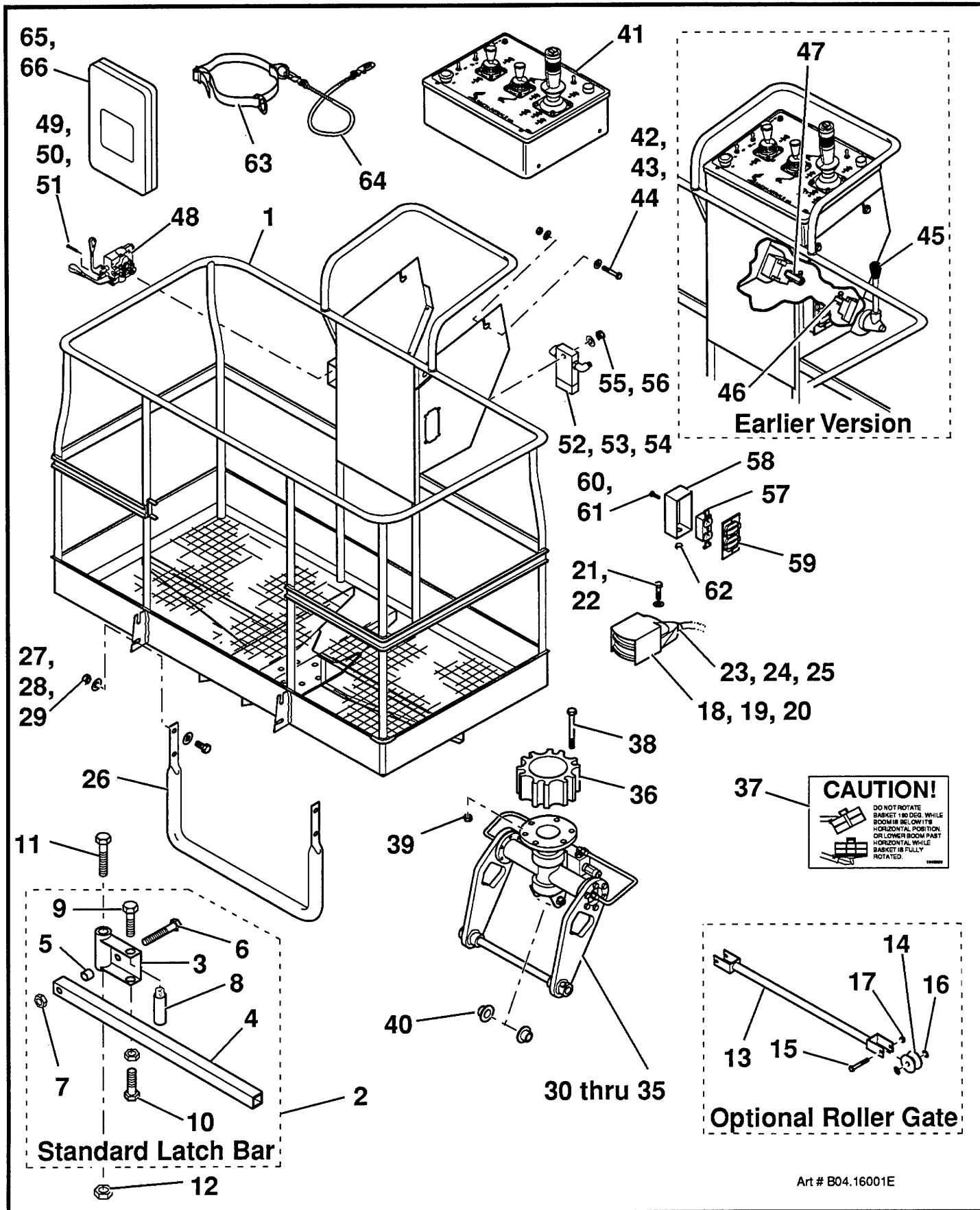
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For "Type 2" Electro-Proportional controls (with 3 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard) Later style, with Platform Rotate and Level valves both <u>in box on outside</u> of left side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
	210 1540 Call Simon Call Simon			
	230 5290			
	230 5320			
	230 5260			
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	219 8520		BAR, GATE (optional pull up "Roller Gate" style)	1
14	219 8510		ROLLER, PULL UP GATE	2
15	07-003051		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2", Grade 5)	2
16	07-062016		WASHER, FLAT (7/16")	4
17	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
18	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
19	03-021301		SWITCH (Single pole, double throw)	1
20	03-021302		COVER, SWITCH (Guard type, with latch)	1
21	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5) or	3
	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
22	07-065014		WASHER, HELICAL LOCK (1/4")	3
23	03-045000		REDUCER (3/4" to 1/2")	1
24	03-045500		GRIP, CORD (1/2", with .31" to .38" seal) or	1
	03-063300		GRIP, CORD (90°, 1/2", with .31" to .38" seal)	1
25	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, 7 Ft [2.1 M] required this application)	A.R.

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

PLATE NO. B04.16 **SIMON AERIALS INC.**

NEW 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. **B04.16**

PARTS LIST

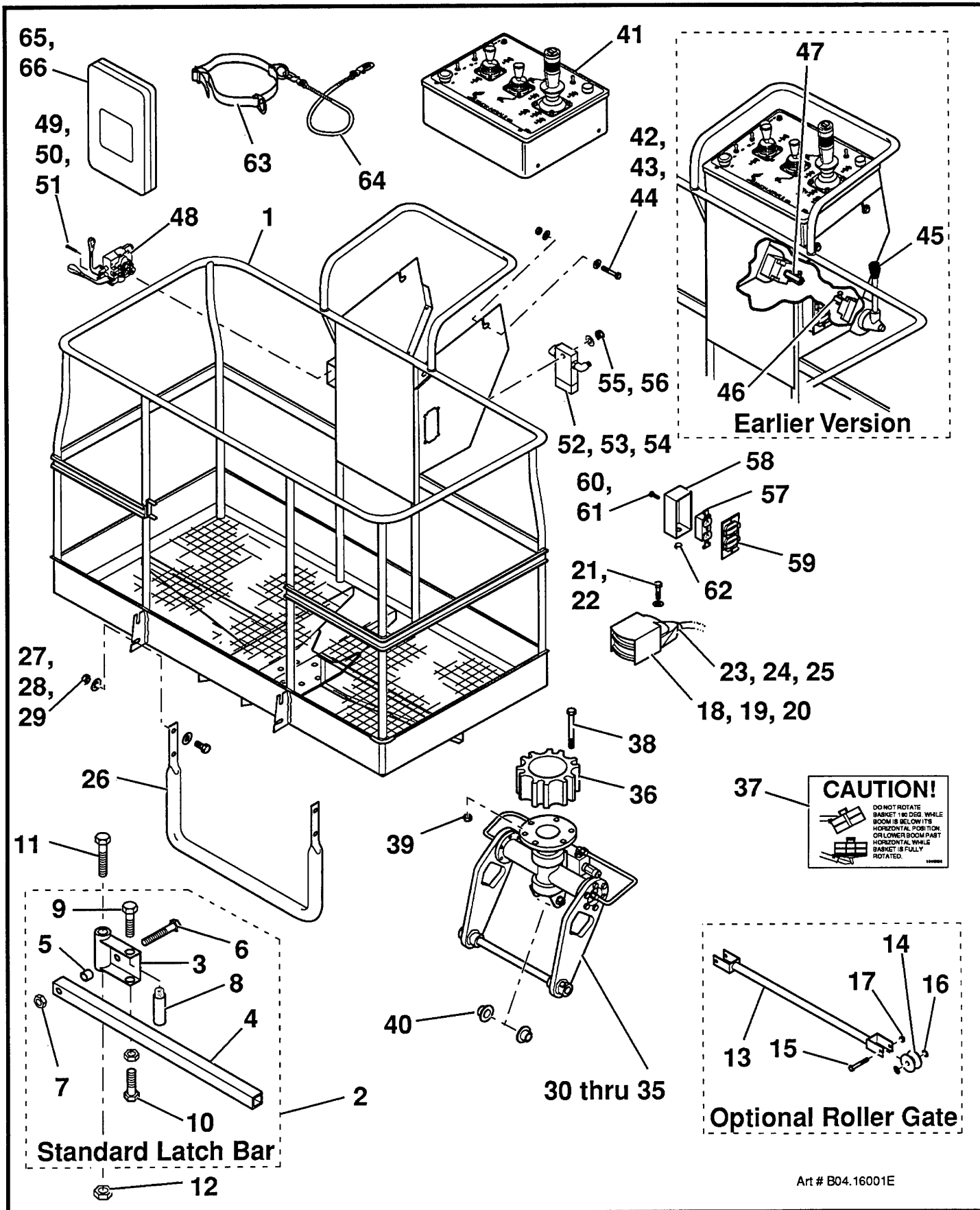
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26	214 6800 219 8710		STEP, PLATFORM Standard version (17-1/2" [.44 M] high) Optional longer step (21-1/2" [.55 M] high)	1
27	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
28	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
29	07-062016		WASHER, FLAT (7/16")	8
30	See Index .	D24.06	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
31			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
32			PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end)	1
	206 8879		except Canada (Standard type, included with actuator)	1
	219 4500		CSA standards (Specify if this type is needed)	1
33	01-001900		VALVE, DOUBLE LOCK (Earlier versions. No cartridges protrude from block.)	1
34	01-202000		MANIFOLD, RELIEF/CHECK VALVE (Later versions. Two cartridges protrude from block.)	1
35	08-040700		RING, RETAINING (1-1/4")	4
36			SPACER, ROTARY ACTUATOR (for use with 96" platform)	1
	233 5380		Model MP 40 (4" [102 mm] thick)	
	233 5510		except Model MP40 (6" [152 mm] thick)	
37	10-129200		DECAL, "CAUTION, DO NOT ROTATE . . ." (found on some earlier versions having 96" platform, but no spacer)	1
38			CAP SCREW, HEX HEAD (1/2"-13, Grade 8)	6
	07-004089		2" long, for all except with 96" platform	
	07-004100		6" long, for Model MP 40 with 96" platform	
	07-113400		8", long, for models with 96" platform except MP 40	
39	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
40	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long)	2
41	See Index .	C08. - -	PLATFORM CONTROL CONSOLE ASSEMBLY	1
42	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
43	07-062016		WASHER, FLAT (3/8")	8
44	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
45	See Index .	D14. - -	VALVE, 4-WAY MANUAL (Platform level or rotate) (Earlier versions)	2
46	01-020800		VALVE, CHECK	1
47	01-000500		VALVE, NEEDLE	1

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

PLATE NO. B04.16 **SIMON AERIALS INC.**

NEW 01 DEC., 1994

PART NO.



TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.

PLATE NO. B04.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
48	See Index	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
49	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
50	07-060014		WASHER, FLAT (1/4", SAE)	2
51	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
52	01-001900		VALVE, CHECK (Pilot operated)	1
53	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
54	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
55	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
56	07-065015		WASHER, HELICAL LOCK (5/16")	2
57	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
58	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
59	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
60	07-011355		MACHINE SCREW, ROUND HEAD (#10-24 x 3/4")	2
61	07-050011		NUT, LOCK (#10-24, Grade 2)	2
62	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
63	10-034000		BELT, SAFETY	1
64	10-033900		LANYARD, SAFETY BELT	1
65	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
66	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
67	10-042500		COVER, CONSOLE CONTROLS (black vinyl) (option)	1
68	10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
69	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
70	Call Simon		HOSE KIT, PLATFORM	1

The following are also found on platform assemblies:

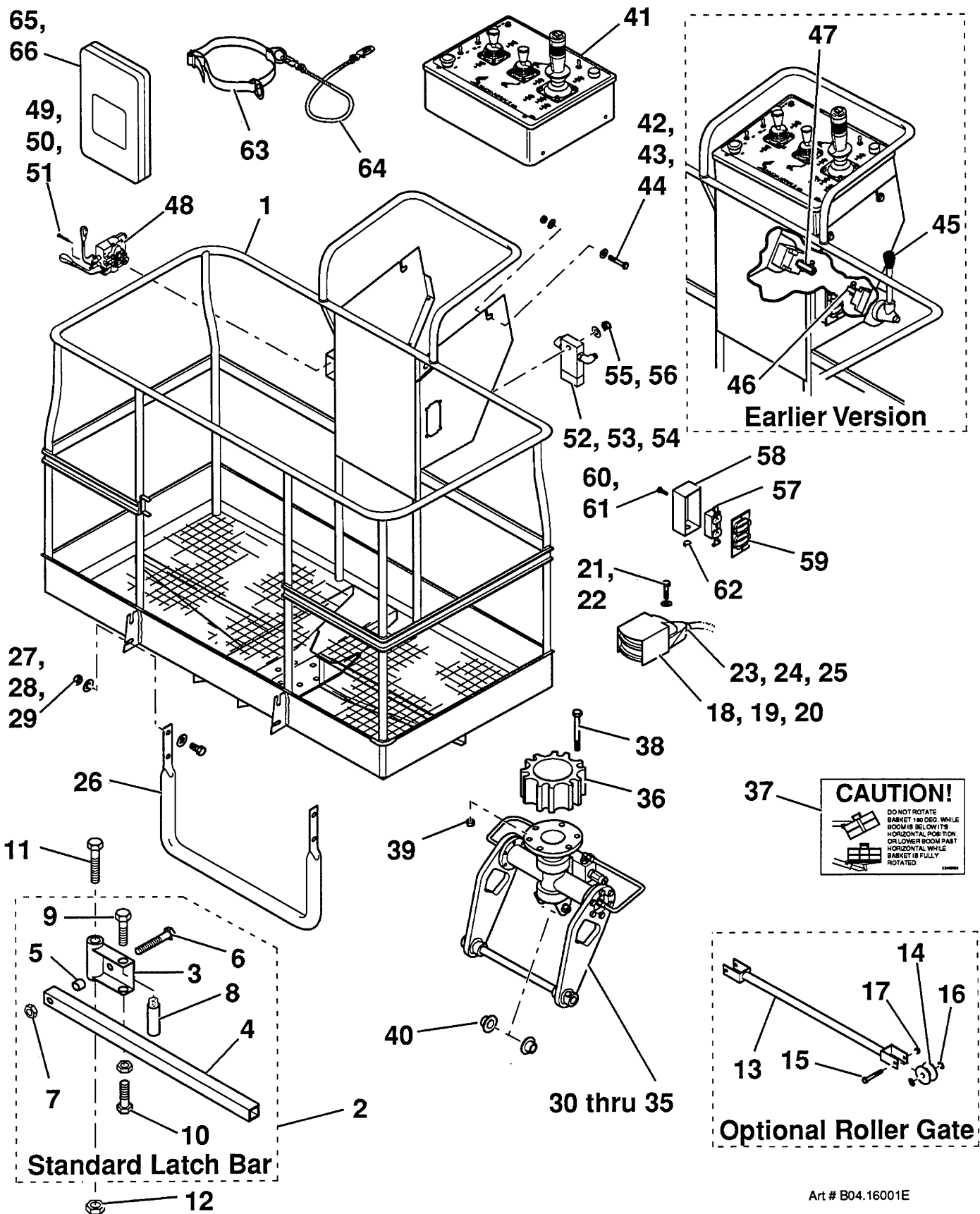
71	205 4670		CLAMP, HOSE (2 hole, #4)	A.R.
72	07-062014		WASHER, FLAT (1/4")	A.R.
73	07-050014		NUT, LOCK (1/4"-20, Grade 5)	A.R.
74	03-066400		TIE, CABLE (20" [508 mm] long)	A.R.
75	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	A.R.
76	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
77	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
78	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	A.R.
	10-113200		PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8" thick)	A.R.

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

PLATE NO. B04.16 **SIMON AERIALS INC.**

NEW 01 DEC., 1994

PART NO.



TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

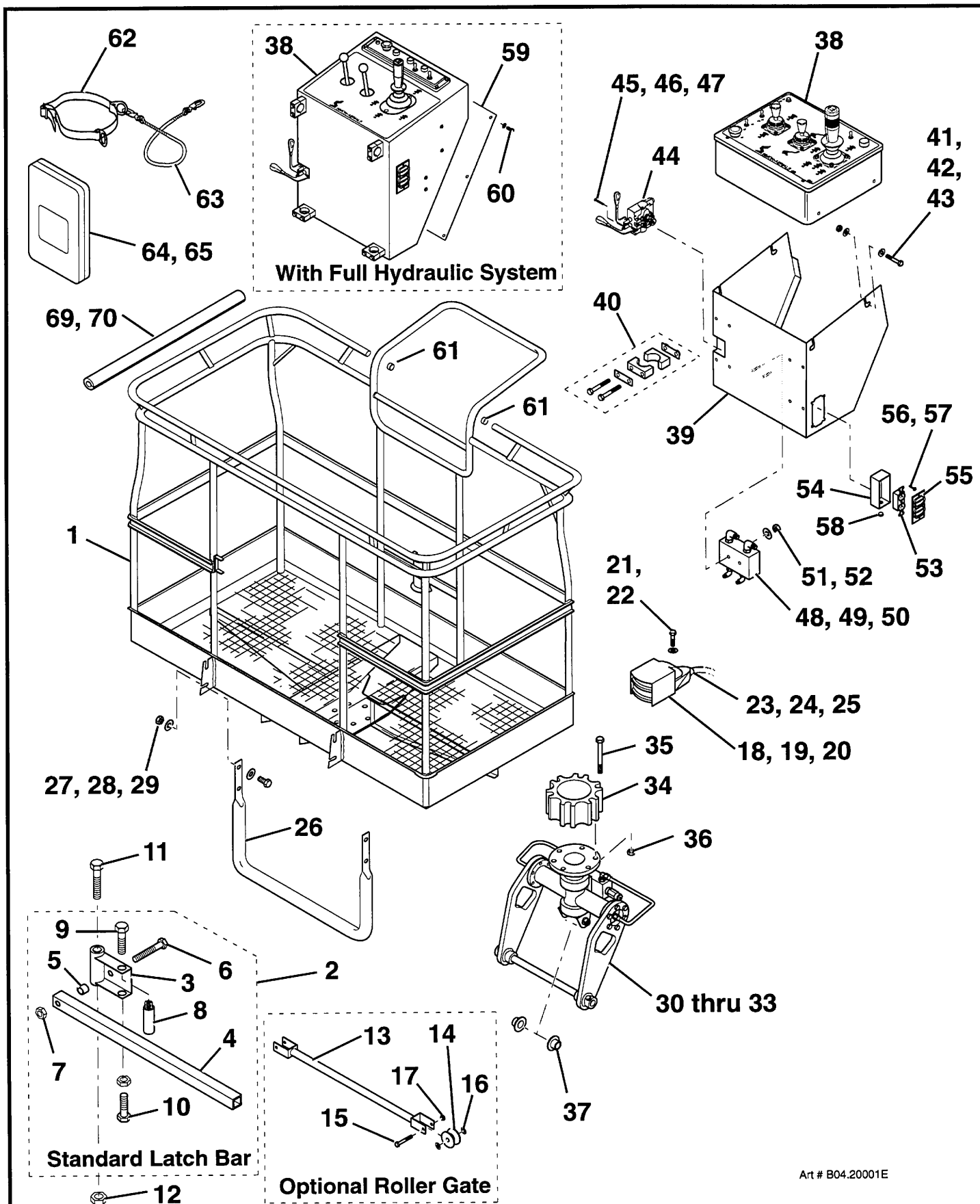
SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.

PLATE NO. B04.16

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Full Hydraulic (with 3 "Joystick" controls) or "Type 2" Electro-Proportional (with 3 "Joystick controls"): Current style, with Platform Rotate and Level valves both <u>inside</u> left side of console:	1
	231 4680		MP Series (36" x 72" [.91 M x 1.83 M]) (Standard)	
	232 4340		MP Series (36" x 96" [.91 M x 2.44 M]) (Optional)	
	219 5480		MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	219 8520		BAR, GATE (optional pull up "Roller Gate" style)	1
14	219 8510		ROLLER, PULL UP GATE	2
15	07-003051		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2", Grade 5)	2
16	07-062016		WASHER, FLAT (7/16")	4
17	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
18	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
19	03-021301		SWITCH (Single pole, double throw)	1
20	03-021302		COVER, SWITCH (Guard type, with latch)	1
21	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5) or	3
	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
22	07-065014		WASHER, HELICAL LOCK (1/4")	3
23	03-045000		REDUCER (3/4" to 1/2")	1
24	03-045500		GRIP, CORD (1/2", with .31" to .38" seal) or	1
	03-063300		GRIP, CORD (90°, 1/2", with .31" to .38" seal)	1
25	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, 7 Ft [2.1 M] required this application)	A.R.
26			STEP, PLATFORM	1
	214 6800		Standard version (17-1/2" [.44 M] high)	
	219 8710		Optional longer step (21-1/2" [.55 M] high)	
27	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
28	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
29	07-062016		WASHER, FLAT (7/16")	8
TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)				
PLATE NO.	B04.20	SIMON AERIALS INC.		PART NO.
REV. 28 FEB., 1995				



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

PARTS LIST

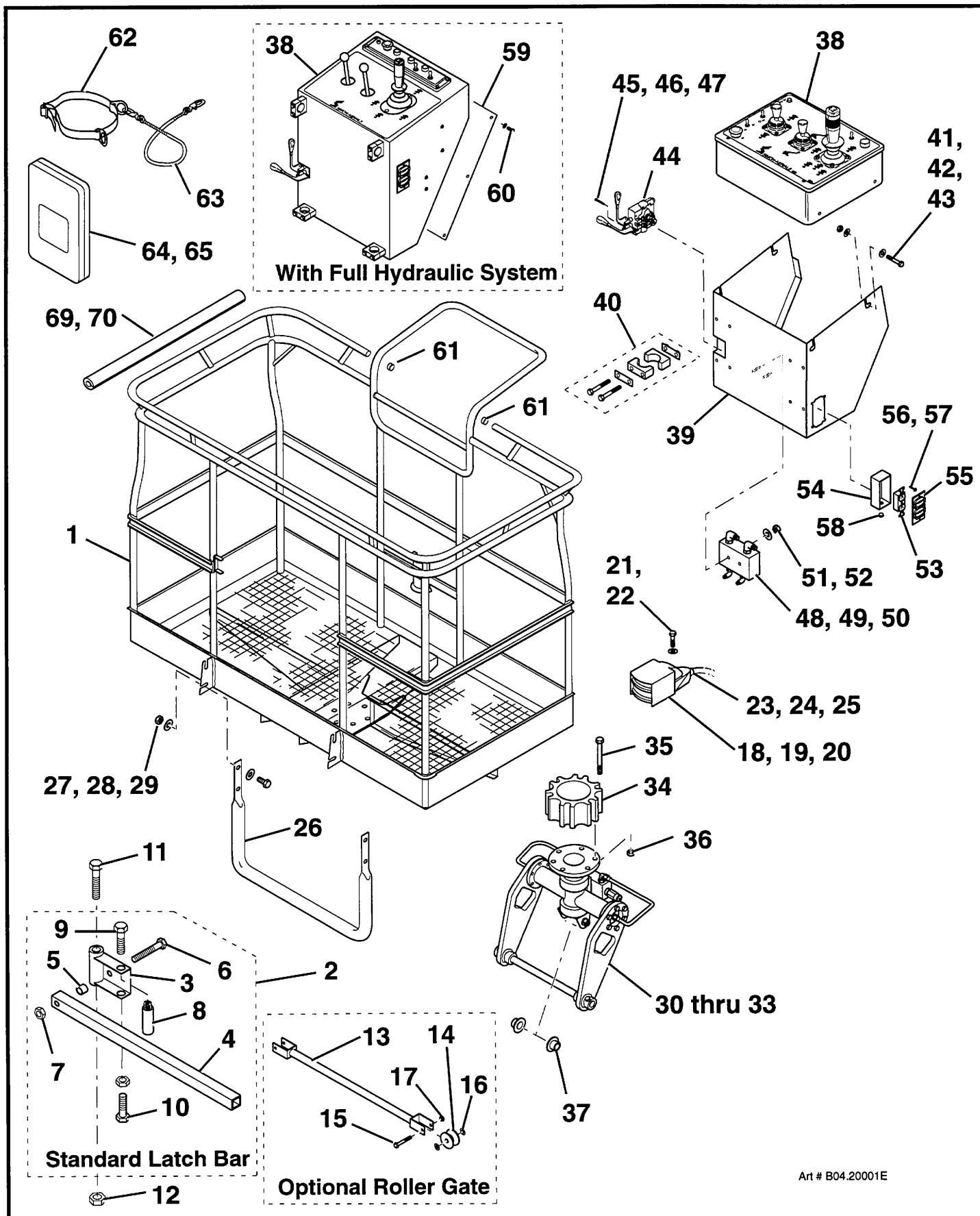
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	02-010600	D24.06	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
31			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
32			PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end)	1
	206 8879		except Canada (Standard type, included with actuator)	1
	219 4500		CSA standards (Specify if this type is needed)	1
33	08-040700		RING, RETAINING (1-1/4")	4
34			SPACER, ROTARY ACTUATOR (if required, see below)	1
	233 5380		for Model MP 40 using 96" platform (4" [102 mm] thick)	
	233 5510		for other than MP 40 with 96" platform (6" [152 mm] thick)	
	235 1980		for Model MP 70, special application (1-1/2" [38 mm] thick)	
35			CAP SCREW, HEX HEAD (1/2"-13, Grade 8)	6
	07-004089		2" long (for all versions not using rotary actuator spacer)	
	07-004095		3-1/2" long (for versions having 1-1/2" [38 mm] spacer)	
	07-004100		6" long (for versions having 4" [102 mm] spacer)	
	07-113400		8" long (for versions having 6" [152 mm] spacer)	
36	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
37	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long)	2
38	See Plate . .	C08. - -	PLATFORM CONTROL CONSOLE ASSEMBLY	1
39			BRACKET, CONSOLE MOUNTING	1
			With Full Hydraulic control (Part of Console Assembly)	
	231 4460		With Electro-Proportional control (includes [4] clamps)	
40	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
41	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
42	07-062016		WASHER, FLAT (3/8")	8
43	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
44	See Plate . .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE	1
45	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
46	07-060014		WASHER, FLAT (1/4", SAE)	2
47	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
48	01-001900		VALVE, CHECK (Pilot operated)	1
49	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
50	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
51	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
52	07-065015		WASHER, HELICAL LOCK (5/16")	2

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

PLATE NO. B04.20 SIMON AERIALS INC.

REV. 30 AUG., 1995
THIS SHEET ONLY

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

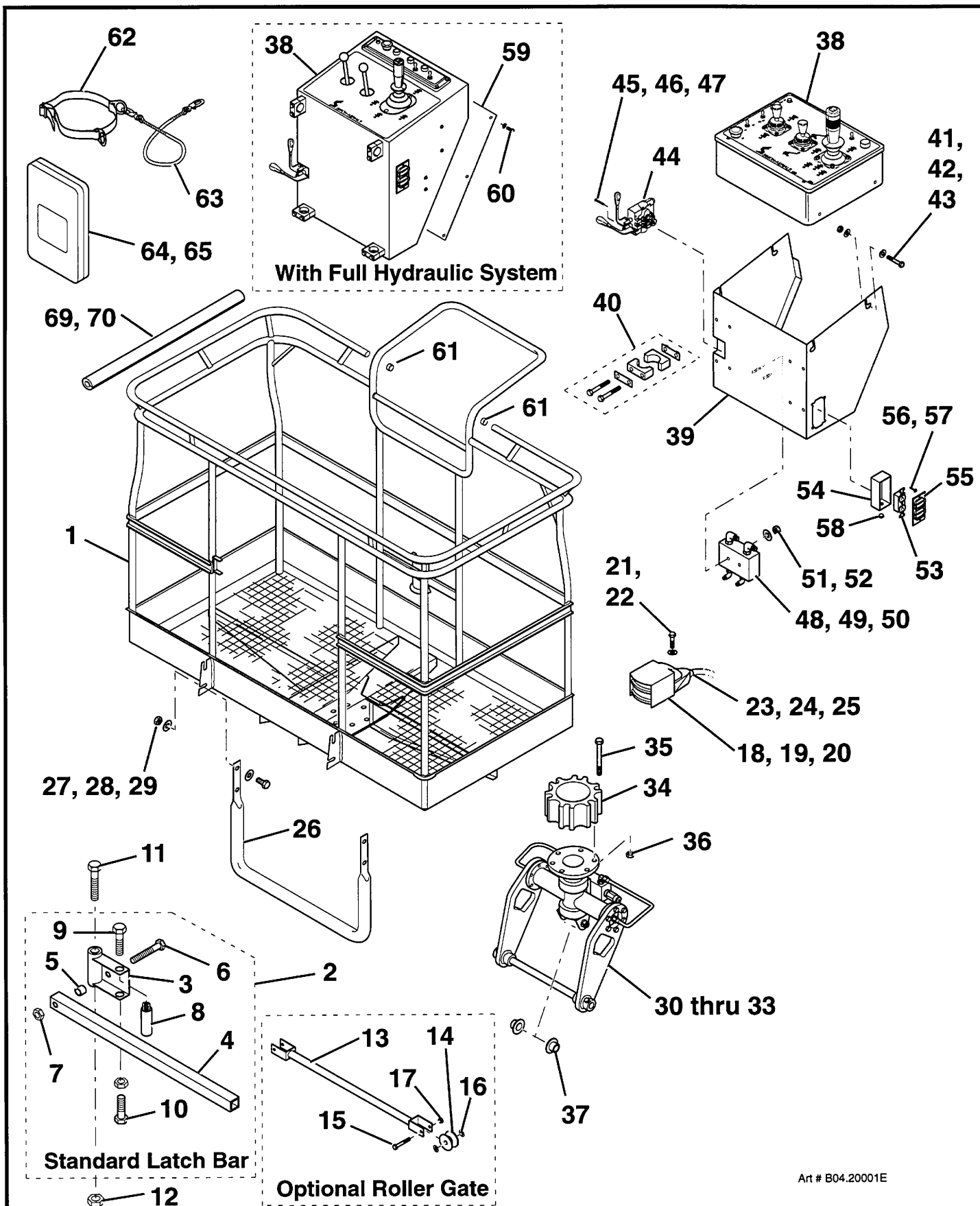
SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. B04.20

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
53	03-067000 03-711300		RECEPTACLE, ELECTRICAL CONVENIENCE Duplex, 20 Amp, 110 Volt AC, Self-grounding Single, 20 Amp, 220 Volt AC	1
54	03-062100		BOX, ELECTRICAL RECEPTACLE (Weatherproof)	1
55	03-062200		COVER, ELECTRICAL RECEPTACLE (Weatherproof) For standard 110 Volt Duplex outlet	1
	03-711400		For single 220 Volt outlet	
56	07-011355		MACHINE SCREW, ROUND HEAD (#10-24 x 3/4")	2
57	07-050011		NUT, LOCK (#10-24, Grade 2)	2
58	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
59	219 9060		COVER, CONTROL CONSOLE (Full Hydraulic only)	1
60	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
61	11-203300		CAPLUG (1-1/4" I.D.)	2
62	10-034000		BELT, SAFETY	1
63	10-033900		LANYARD, SAFETY BELT	1
64	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
65	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
66	10-042500		COVER, CONSOLE CONTROLS (black vinyl) (option) With Electro-Proportional controls	1
	10-159100		With Full Hydraulic controls (for optional metal cover, see Plate B04.299)	
67	10-163800		STUD, BUTTON SNAP (stainless steel)	4
68	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	4
69	10-063200		TUBING, FOAM INSULATION (option) (1-1/8" [29 mm] I.D., 1" [25.4 mm] wall)	A.R.
70	10-089500		TAPE, MARKING (to wrap optional foam tubing) (Yellow, 2" [51 mm] wide x 36 Yd. [32.9 M] long roll)	A.R.
71	353 7390		HOSE KIT, PLATFORM (Electro-Proportional)	1
	353 7260		HOSE KIT, PLATFORM (Full Hydraulic)	1
The following are also found on platform assemblies:				
72	205 4670		CLAMP, HOSE (2 hole, #4)	A.R.
73	07-062014		WASHER, FLAT (1/4")	A.R.
74	07-050014		NUT, LOCK (1/4"-20, Grade 5)	A.R.
75	03-066400		TIE, CABLE (20" [508 mm] long)	A.R.
76	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	A.R.
77	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
78	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
79	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	A.R.
	10-113200		PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8" thick)	A.R.
TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)				
PLATE NO.	B04.20	SIMON AERIALS INC.		PART NO.
REV. 28 FEB., 1995				



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SENSOR RING PACKAGE for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
1	Call Simon 234 5620 Call Simon		SENSOR RING ASSEMBLY for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
2			SENSOR RING HALF (with limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform	1
	Call Simon 234 5540 Call Simon		for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	
3			SENSOR RING HALF (without limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
	Call Simon 231 4490			
4	Call Simon 217 3950		COLLAR, SENSOR RING	4
5	06-015300		UNION (12 HTX-S)	2
6	218 3350		WIRE ROPE ASSEMBLY	4
7	217 3950		COLLAR, SENSOR RING (welded to platform)	4
8	07-023600		SET SCREW, SOCKET HEAD (1/4"-20 x 1/2", Grade 5)	8
9	03-428300		SWITCH, LIMIT	1
10	217 5320		ROD, SENSOR RING SWITCH	1
11	234 5550		BRACKET, SWITCH MOUNTING	1
12	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	2
13	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
14	03-020300		SWITCH, PUSHBUTTON (Sensor ring override)	1
15	10-116800		DECAL, "SENSOR RING OVERRIDE . . ."	1
16	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, order as needed. 7 Ft. [2.1 M] needed here)	A.R.
17	03-045500		GRIP, CORD (1/2")	2
18	03-055500		NUT, CONDUIT LOCK (1/2")	1
TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 1 OF 2)				
PLATE NO.	B04.99	SIMON AERIALS INC.		PART NO.
		NEW 23 MAR., 1995		

PARTS LIST

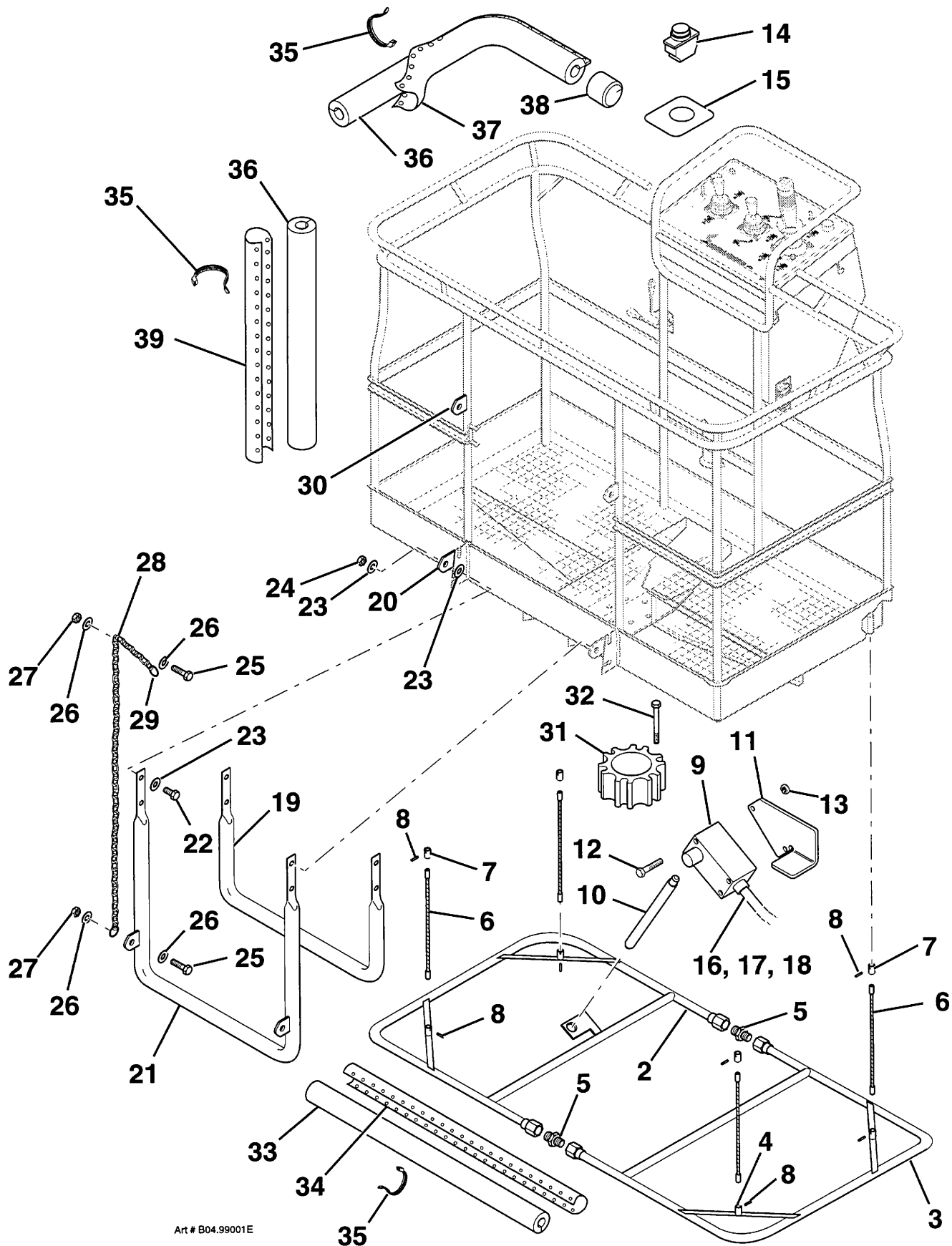
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	234 5560		STEP, FIXED (12-1/4" [.31 M] long) (replaces step found on standard platform)	1
20	234 5570		TAB, STEP MOUNTING	2
21	234 5590		STEP, FOLDING (28-1/8" [.71 M] long)	1
22	07-003065		CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	2
23	07-062017		WASHER, FLAT (7/16")	6
24	07-050017		NUT, HEX LOCK (7/16"-14, Grade 5)	2
25	07-003026		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)	4
26	07-062015		WASHER, FLAT (5/16")	8
27	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	4
28	234 5610		CHAIN (For side with hook. Approx. 47.7" [1.21 M] long)	1
	234 5600		CHAIN (Side without hook. Approx. 45.2" [1.15 M] long)	1
29	11-078000		HOOK, SNAP	1
30	208 4608		TAB, CHAIN MOUNTING	2
31	233 5510		SPACER, PLATFORM (6" [152 mm])	1
32	07-113400		CAP SCREW, HEX HEAD (1/2"-13 x 8", Grade 8)	6
33	10-063300		TUBING, SPONGE INSULATION (7/8" I.D., 1" wall) (6 Ft. [1.8 M] section) (4) needed for 36" x 72" platform	A.R.
34	Call Simon 10-259301		COVER, SENSOR RING (Black, vinyl coated nylon) for 36" x 60" Platform for 36" x 72" Platform (131" [3.3 M] long)	2
	Call Simon		for 36" x 96" Platform	
35	03-064000		TIE, CABLE (7.4" [188 mm] long)	208
36	10-063200		TUBING, SPONGE INSULATION (1-1/8" I.D., 1" wall) (6 Ft. [1.8 M] section)	6
37	Call Simon		COVER, TOP RAIL (Black, vinyl coated nylon) for 36" x 60" Platform	1
	10-255406		for 36" x 72" Platform (212" [5.4 M] long)	
	Call Simon		for 36" x 96" Platform	
38	10-255500		CAP, END (Black, vinyl coated nylon)	2
39	10-255407		COVER, PLATFORM CORNER (Black, vinyl coated nylon) (41" [1.04 M] long)	4

TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

PLATE NO. B04.99 **SIMON AERIALS INC.**

NEW 23 MAR., 1995

PART NO.



TITLE

PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 23 MAR., 1995

PART
NO.

PLATE
NO.

B04.99

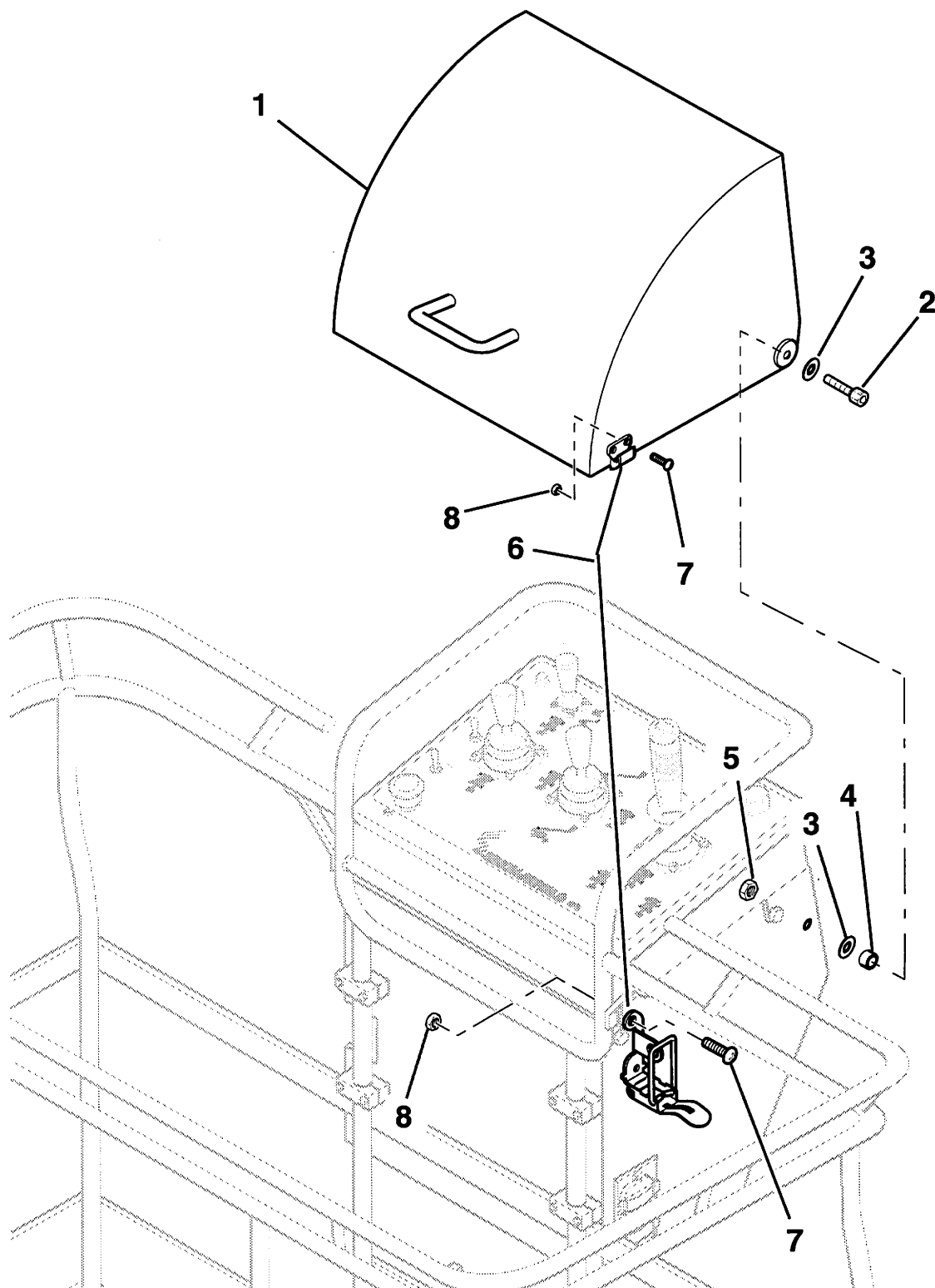
[illegible]

TITLE PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES

PLATE NO.	B04.299	SIMON AERIALS INC.
-----------	---------	--------------------

REV. 27 OCT., 1994

PART NO. 2326440



Art # B04.29901E

TITLE

PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES

SIMON AERIALS INC.

REV. 27 OCT., 1994

PART
NO.

2326440

PLATE
NO.

B04.299

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	2061847		SPINDLE ASSEMBLY (Right)	1
	3502495		Type 1 (see note at item 1)	1
			Type 2 (see note at item 1)	1
			Note: the "Type 1" or "Type 2" spindle is original equipment on:	
			all Model MPN 55 and MPN 60,	
			earlier Model MP 50,	
			all Model MP 60 and MP 70, and	
			earlier Model MP 80 (serial numbers under AEA 01427).	
			On a "Type 1" or "Type 2" spindle, the seal (item 5)	
			has an outside diameter of 4-1/2" (114 mm).	
1	2024390		SPINDLE (Right) (Type 1)	1
			Note: the "Type 1" spindle consists of three pieces	
			(spindle, pin tube and steering arm) welded together.	
	2070702		SPINDLE (Right) (Type 2)	1
			Note: the "Type 2" spindle consists of two pieces welded	
			together (pin housing and spindle are machined from one	
			block of metal, with steering arm welded to it).	
2	2022585		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (4.437" O.D.)	2
4	08-003500		CONE AND ROLLER, BEARING (2.750" I.D.)	2
5	01-030700		SEAL, SHAFT OIL (3-1/4" I.D., 4-1/2" O.D.)	1
6	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
7	07-062027		WASHER, FLAT (1-3/4")	1
8	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
9	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
10	2021131		PLATE, SPINDLE END COVER	1
11	07-003001		CAP SCREW, HEX HEAD (1/4" - 20 X 1/2", Grade 5)	3
12	07-065014		WASHER, HELICAL LOCK (1/4")	3
13	08-002000		BEARING, FLANGED (used prior to September 1984)	
			(1-1/2" I.D., 1-3/4" O.D., 1-1/2" long, 2" dia. x 3/32" flange)	2
	08-014000		BEARING SLEEVE (used beginning September 1984)	
			(1-1/2" I.D., 1-1/2" long)	2
14	08-051300		FITTING, GREASE (1/8", 90°)	1

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

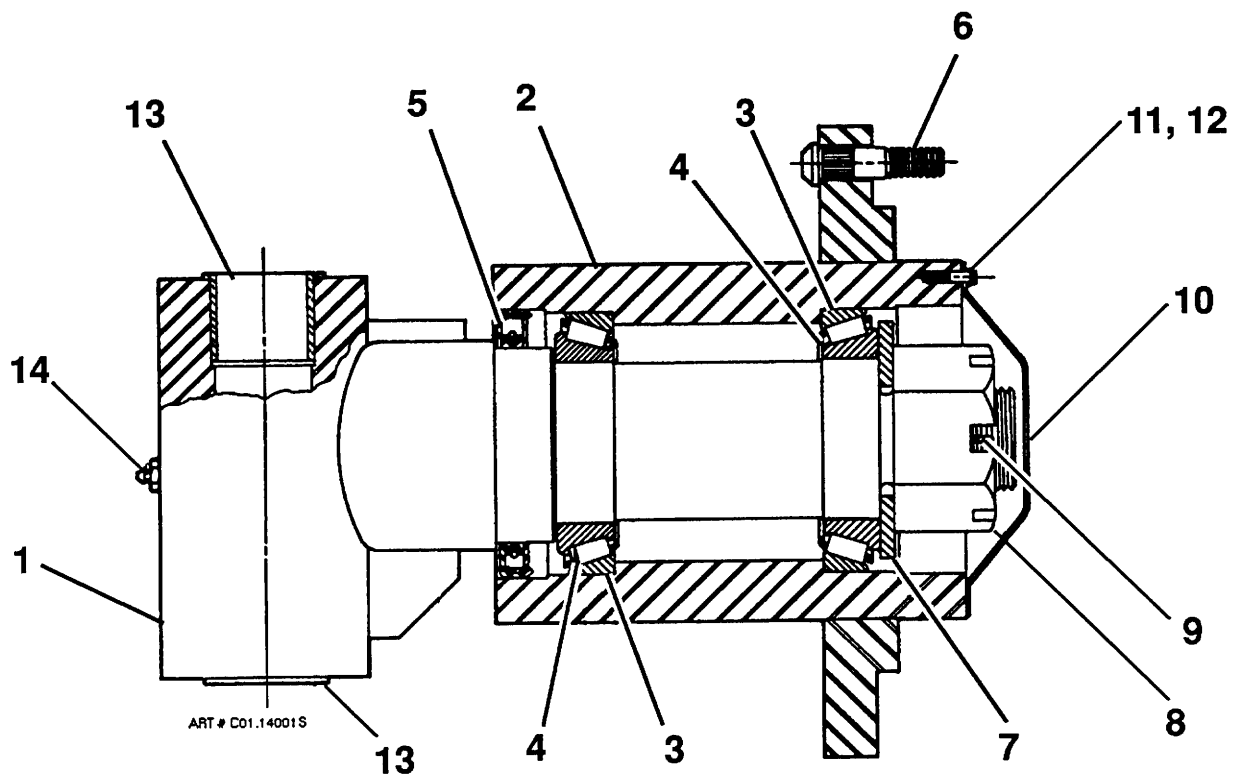
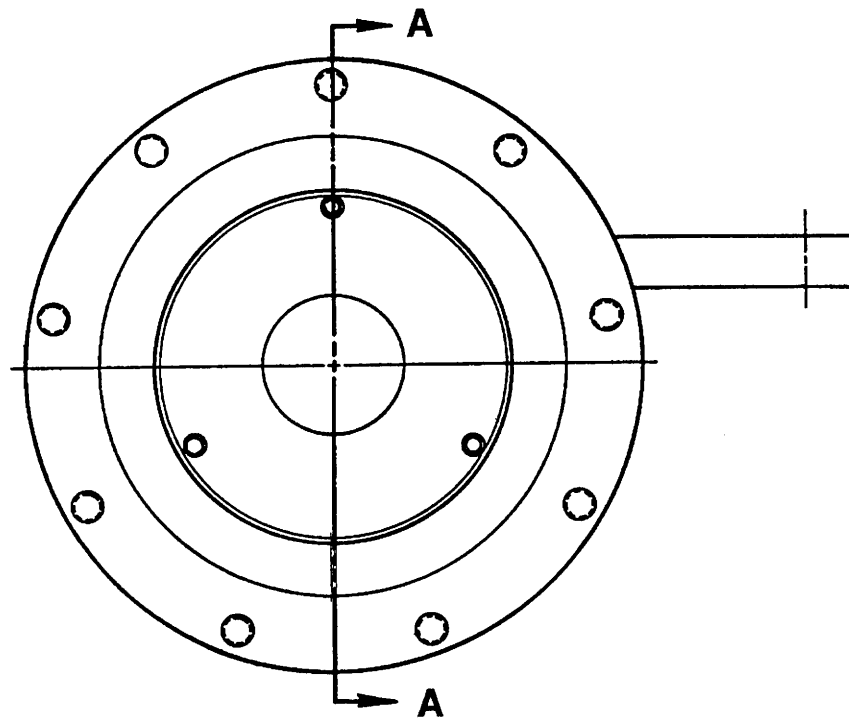
PLATE
NO.

C01.05

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.



SECTION "A" - "A"

TITLE SPINDLE ASSEMBLY, RIGHT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.

PLATE
NO. C01.05

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	2061834		SPINDLE ASSEMBLY (Left)	1
	3503089		Type 1 (see note at item 1)	1
			Type 2 (see note at item 1)	1
			Note: the "Type 1" or "Type 2" spindle is original equipment on:	
			all Model MPN 55 and MPN 60,	
			earlier Model MP 50,	
			all Model MP 60 and MP 70, and	
			earlier Model MP 80 (serial numbers under AEA 01427).	
			On a "Type 1" or "Type 2" spindle, the seal (item 5)	
			has an outside diameter of 4-1/2" (114 mm).	
1	2024408		SPINDLE (Left) (Type 1)	1
			Note: the "Type 1" spindle consists of three pieces	
			(spindle, pin tube and steering arm) welded together.	
	2070711		SPINDLE (Left) (Type 2)	1
			Note: the "Type 2" spindle consists of two pieces welded	
			together (pin housing and spindle are machined from one	
			block of metal, with steering arm welded to it).	
2	2022585		HUB SPINDLE	1
3	08-003400		CUP, BEARING (4.437" O.D.)	2
4	08-003500		CONE AND ROLLER, BEARING (2.750" I.D.)	2
5	01-030700		SEAL, SHAFT OIL (3-1/4" I.D., 4-1/2" O.D.)	1
6	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
7	07-062027		WASHER, FLAT (1-3/4")	1
8	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
9	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
10	2021131		PLATE, SPINDLE END COVER	1
11	07-003001		CAP SCREW, HEX HEAD (1/4" - 20 X 1/2", Grade 5)	3
12	07-065014		WASHER, HELICAL LOCK (1/4")	3
13	08-002000		BEARING, FLANGED (used prior to September 1984)	
			(1-1/2" I.D., 1-3/4" O.D., 1-1/2" long, 2" dia. x 3/32" flange)	2
	08-014000		BEARING SLEEVE (used beginning September 1984)	
			(1-1/2" I.D., 1-1/2" long)	2
14	08-051300		FITTING, GREASE (1/8", 90°)	1

TITLE

SPINDLE ASSEMBLY, LEFT HAND

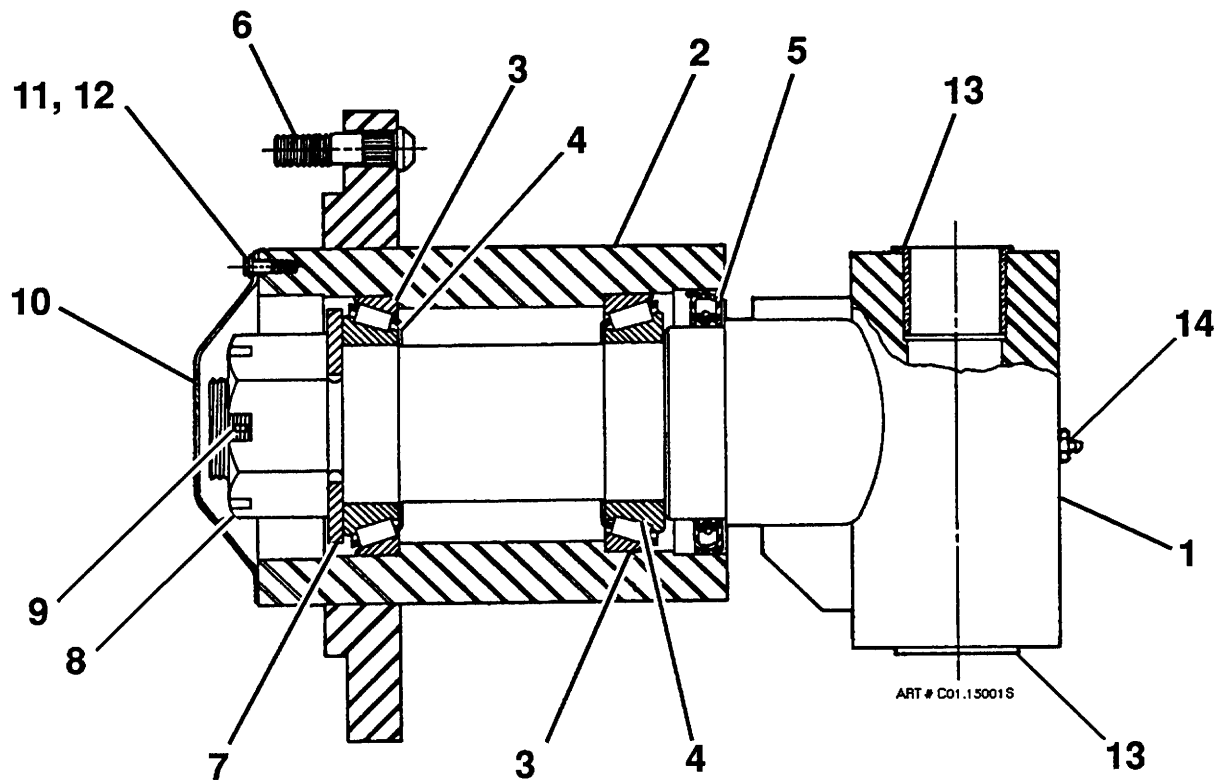
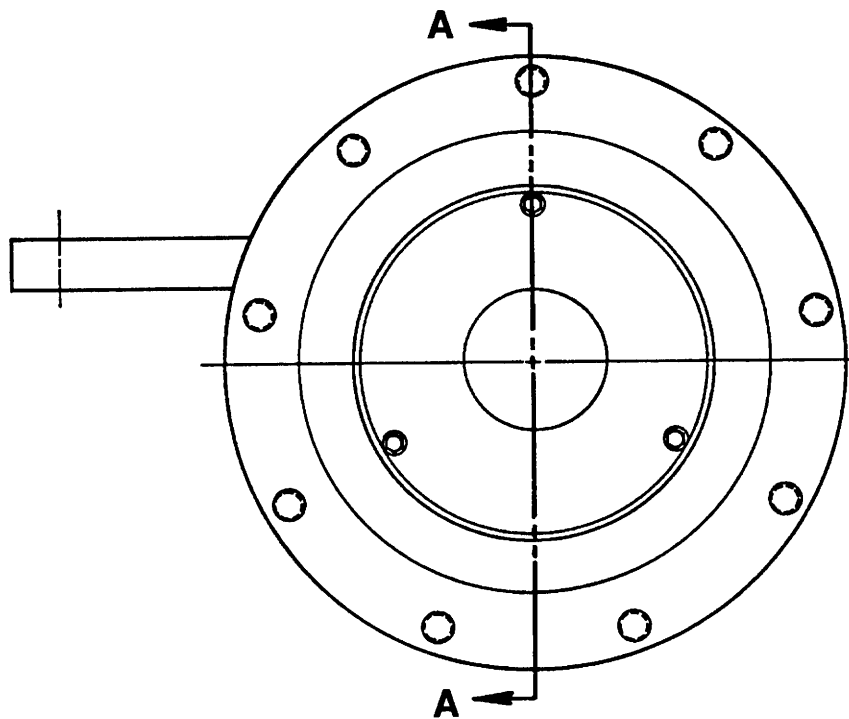
PLATE
NO.

C01.06

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, LEFT HAND

SIMON AERIALS INC.

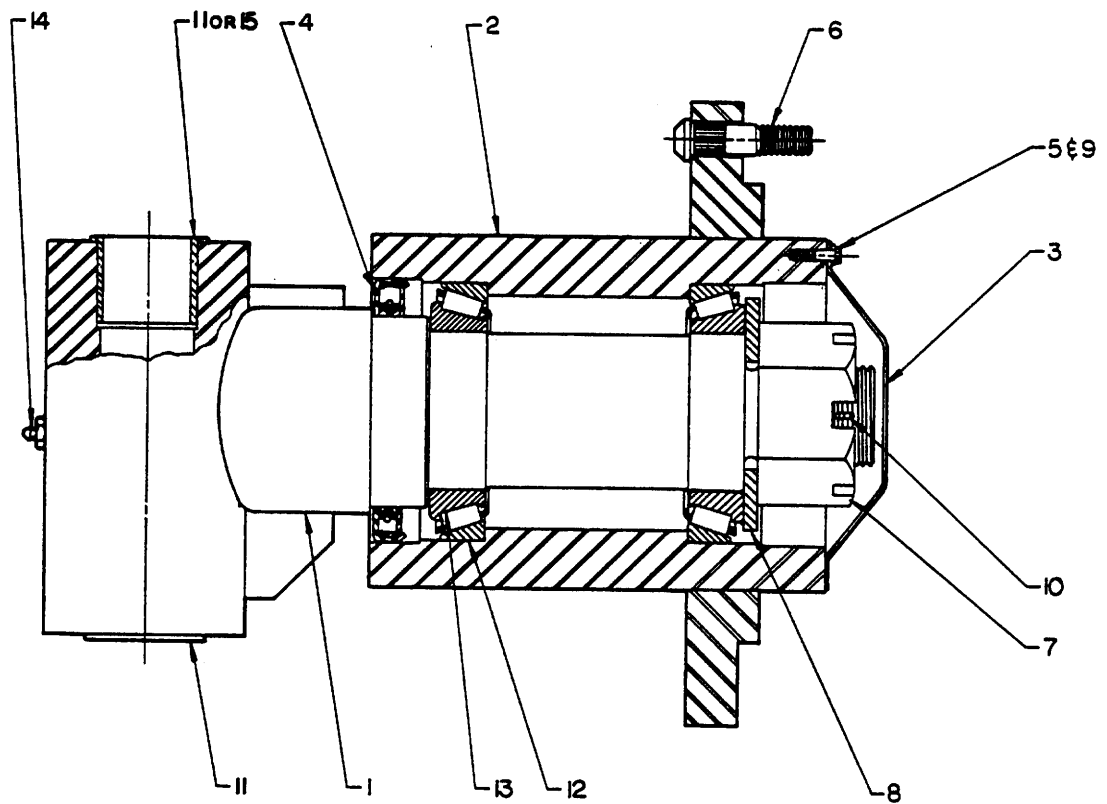
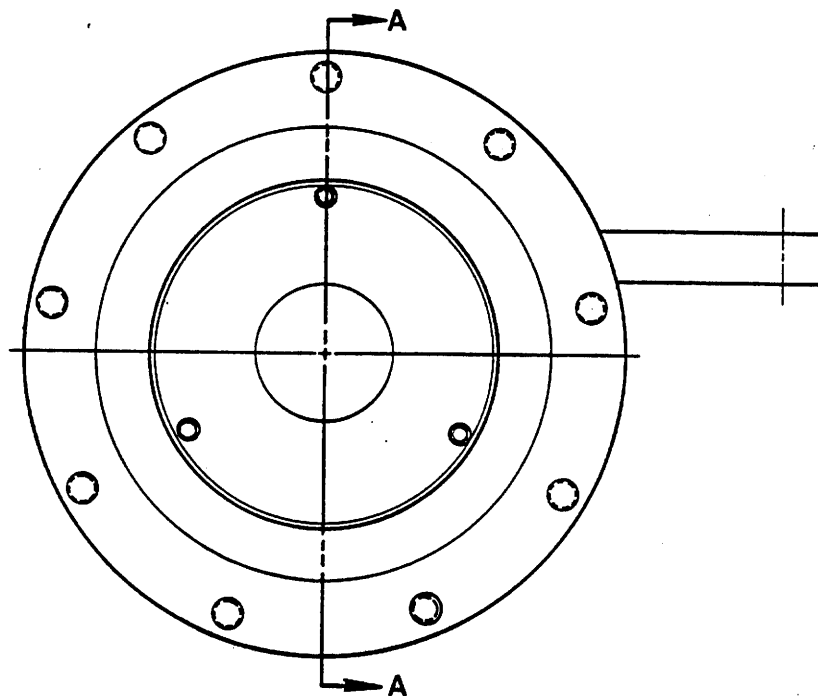
REV. 12 MAR., 1993

PART
NO.

PLATE
NO. C01.06

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SDW-202439-0		R.H. SPINDLE	1
2	SDW-202436-5		SPINDLE HUB	1
3	SCD-202113-1		COVER PLATE	1
4	01-030700		SHAFT OIL SEAL	1
5	07-003001		HHCS 1/4-20 X 1/2" LG.	3
6	07-030618		WHEEL STUD 9/16-18 X 2-1/8" LG.	9
7	07-045227		HEX NUT SLOTTED 1-3/4"-12 UN	1
8	07-062027		FLATWASHER 1-3/4	1
9	07-065014		LOCKWASHER 1/4	3
10	07-070511		COTTER PIN 1/8" X 2-1/2" LG.	1
11	08-002000		BUSHING (TO 08/84)	2
12	08-003400		BEARING CUP	2
13	08-003500		ROLLER BEARING CONE	2
14	08-050000		GREASE FITTING	1
15	08-014000		SLEEVE BEARING (09/84)	2
DESCRIPTION			PART NO.	
R.H. SPINDLE ASSEMBLY			SDA-206133-9	



SECTION A-A

0684 / 0677

DESCRIPTION

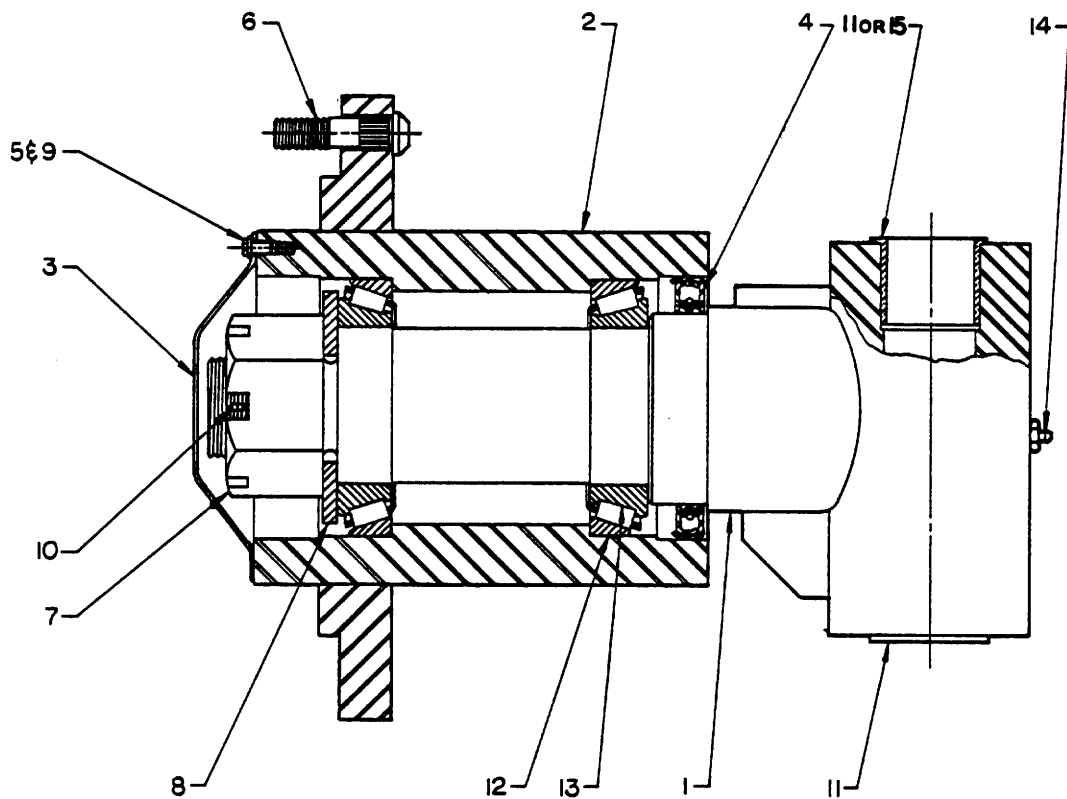
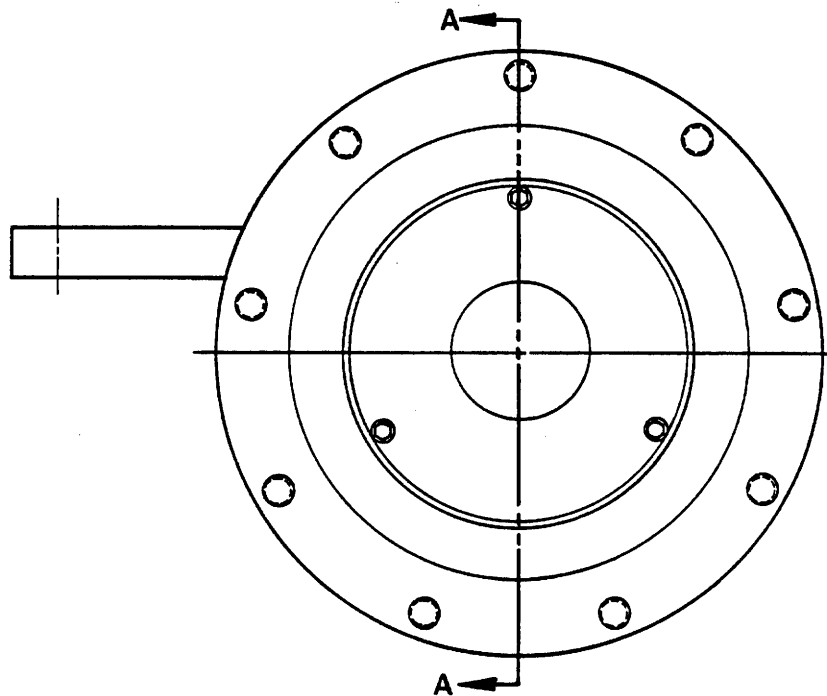
R.H. SPINDLE ASSEMBLY

PART NO.

SDA-206133-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SDW-202440-8		L.H. SPINDLE	1
2	SDW-202436-5		SPINDLE HUB	1
3	SCD-202113-1		COVER PLATE	1
4	01-030700		SHAFT OIL SEAL	1
5	07-003001		HHCS 1/4-20 X 1/2" LG.	3
6	07-030618		WHEEL STUD 9/16-18 X 2-1/8" LG.	9
7	07-045227		HEX SLOTTED NUT 1-3/4"-12 UN	1
8	07-062027		FLATWASHER 1-3/4	1
9	07-065014		LOCKWASHER 1/4	
10	07-070511		COTTER PIN 1/8 X 2-1/2" LG.	1
11	08-002000		BUSHING (TO 08/84)	2
12	08-003400		BEARING CUP	2
13	08-003500		ROLLER BEARING CONE	2
14	08-050000		GREASE FITTING	1
15	08-014000		SLEEVE BEARING (09/84)	2
DESCRIPTION			PART NO.	
L.H. SPINDLE ASSEMBLY			SDA-206134-2	



SECTION A-A

0684 / 0677

DESCRIPTION

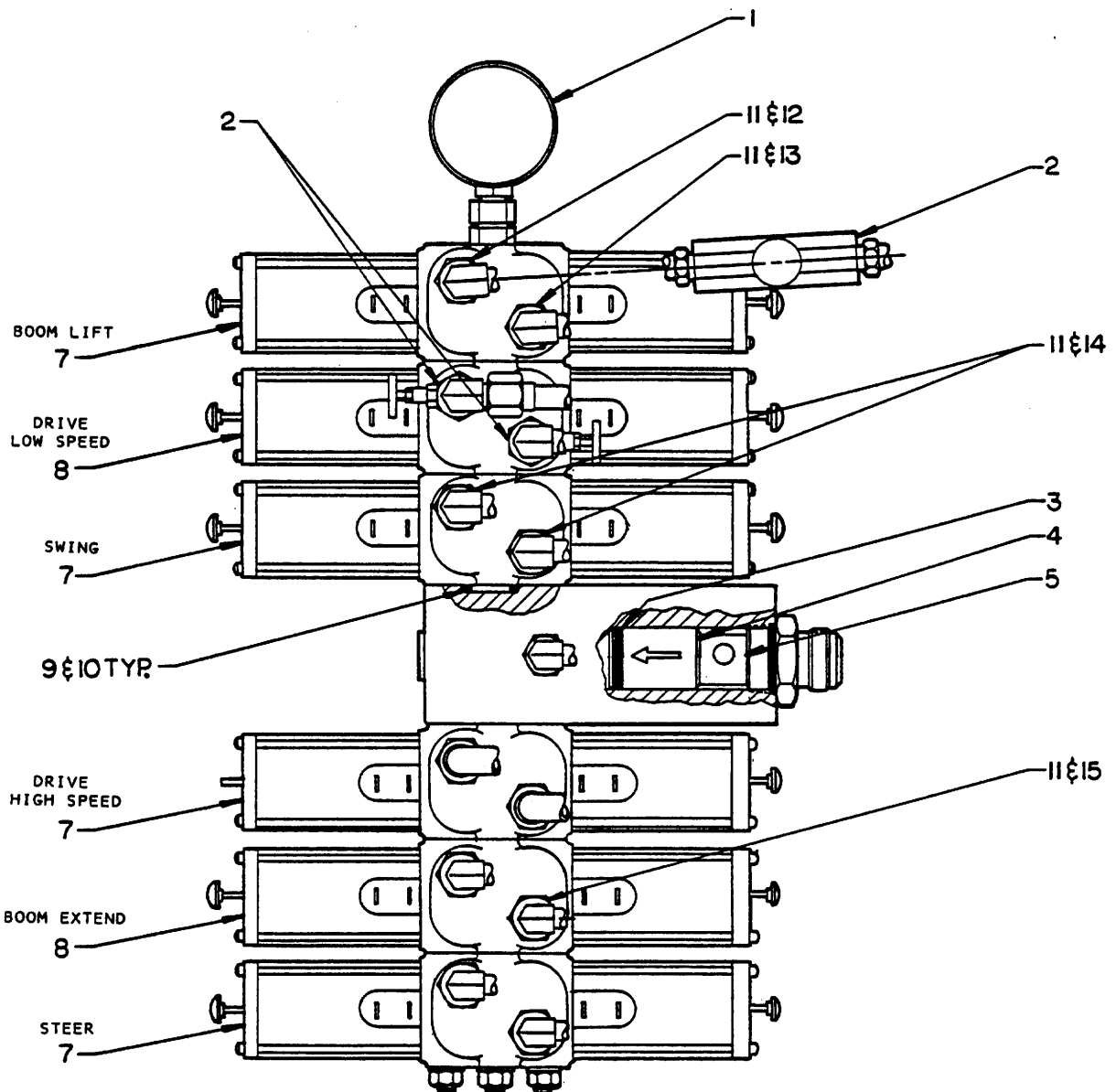
L.H. SPINDLE ASSEMBLY

PART NO.

SDA-206134-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-032700		NEEDLE VALVE	3
3	01-034200		'O' RING	1
4	01-034100		CHECK VALVE	1
5	SBD-201510-9		SPACER	1
7	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	4
8	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	2
9	01-031703		'O' RING	6
10	01-031702		'O' RING	6
11	07-060014		WASHER, 1/4 LIGHT	5
12	SBD-201507-9		FLOW DISC .078	1
13	SBD-203410-2		FLOW DISC .052	1
14	SBD-201508-4		FLOW DISC. .047	2
15	SBD-201509-1		FLOW DISC. .234	1
DESCRIPTION			VALVE BANK ASSEMBLY	PART NO. CAA-206251-0



0684/0677

DESCRIPTION

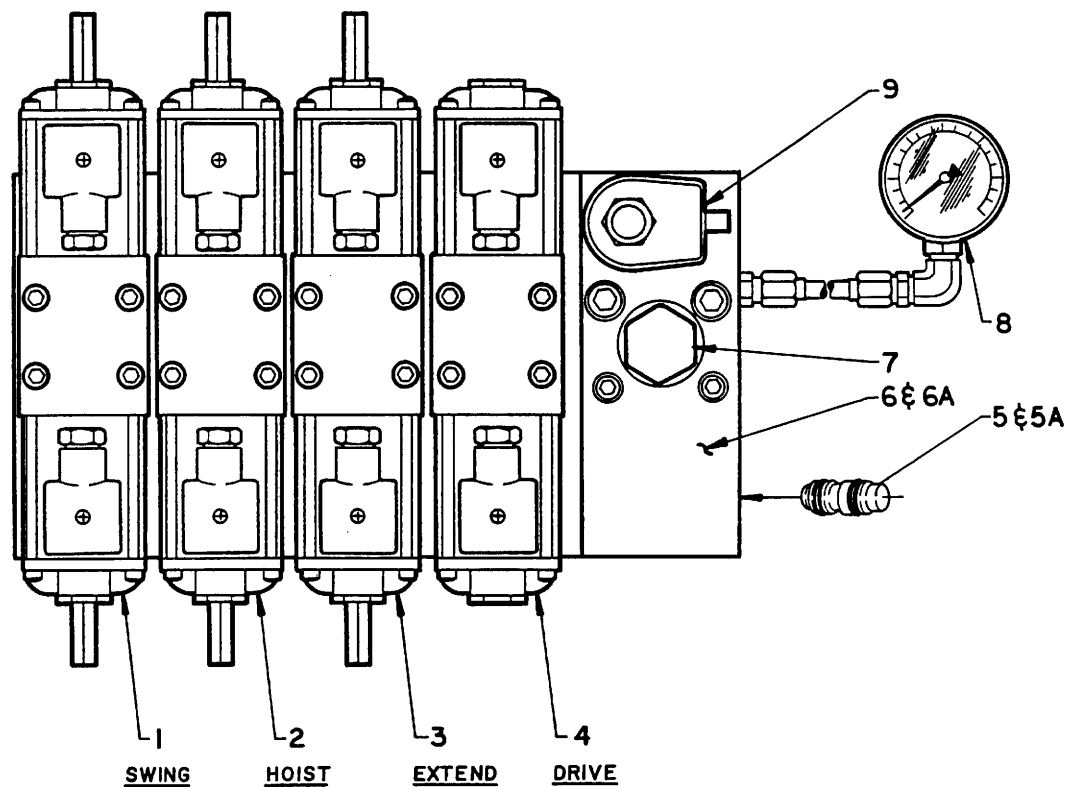
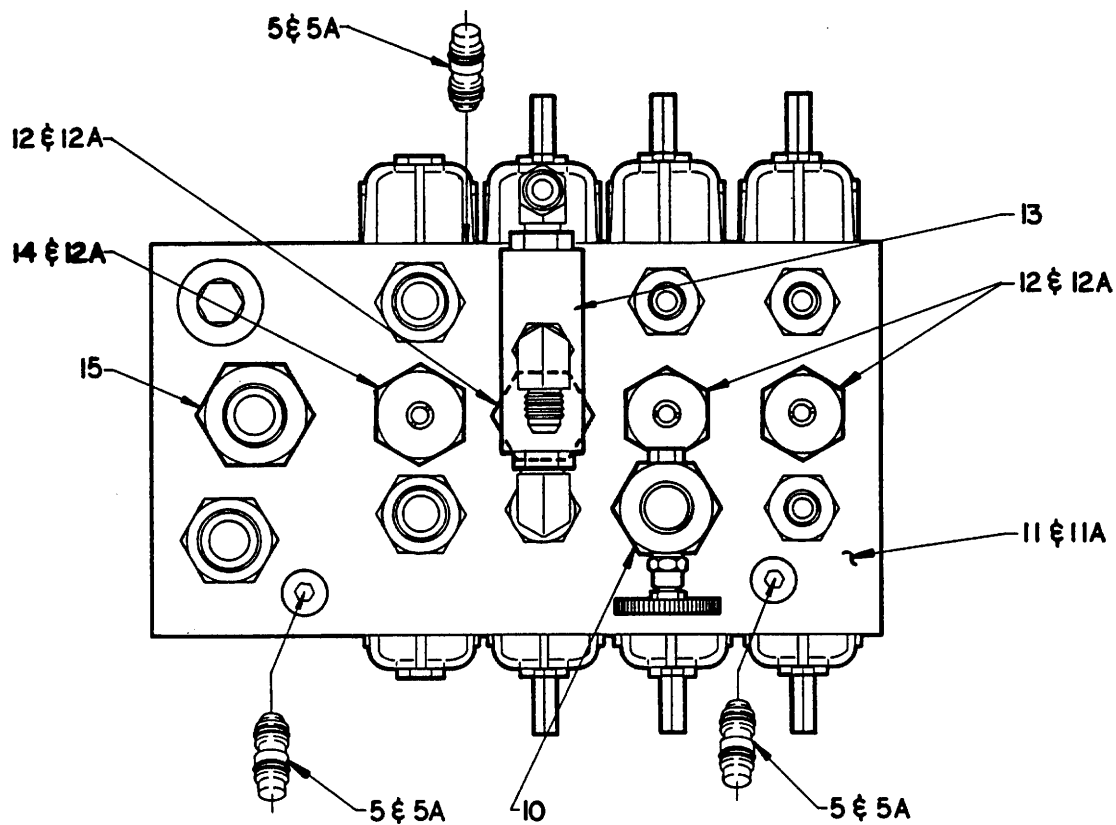
VALVE BANK ASSEMBLY

PART NO.

CAA-206251-0

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-017501	D13.4	SOLENOID CONTROL VALVE, SWING	1
2	01-017502	D13.4	SOLENOID CONTROL VALVE, HOIST	1
3	01-017503	D13.4	SOLENOID CONTROL VALVE, EXTEND	1
4	01-017504	D13.4	SOLENOID CONTROL VALVE, DRIVE	1
5			SHUTTLE VALVE	4
5A			SEAL KIT, SHUTTLE VALVE	4
6			AUXILIARY MANIFOLD BODY	1
6A			SEAL KIT, AUXILIARY MANIFOLD	1
7			FLOW CONTROL VALVE, 4 GPM	1
8	01-021000		PRESSURE GAUGE	1
9	01-040309		SOLENOID CONTROL VALVE, 3-WAY	1
10	01-032700		NEEDLE VALVE	1
11			MANIFOLD BODY	1
11A			SEAL KIT, MANIFOLD	1
12			CARTRIDGE COMPENSATOR, SERIES 10	3
12A	01-012800		SEAL KIT, CARTRIDGE COMPENSATOR	4
13			PRESSURE REDUCING VALVE	1
14			CARTRIDGE COMPENSATOR, SERIES 10	1
15	01-018200		CHECK VALVE	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (DRIVE, EXTEND, HOIST, SWING)			CAA-208488-2	



0785/0785

DESCRIPTION

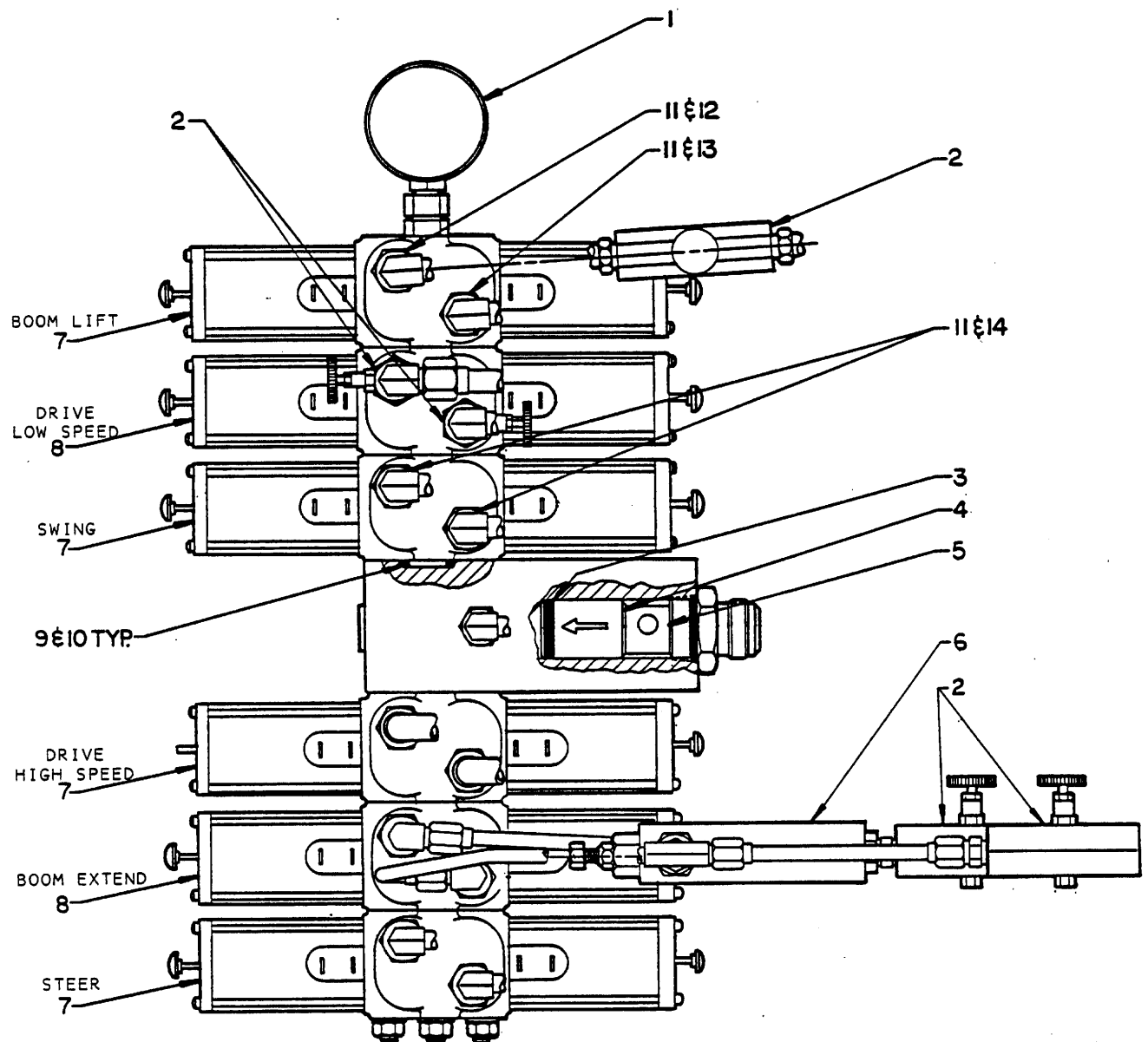
VALVE BANK ASSEMBLY (DRIVE, EXTEND, HOIST, SWING)

PART NO.

CAA-208488-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-032700		NEEDLE VALVE	5
3	01-034200		'O' RING	1
4	01-034100		CHECK VALVE	1
5	SBD-201510-9		SPACER	1
6	01-012800		PRESSURE REDUCING VALVE	1
7	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	4
8	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	2
9	01-031703		'O' RING, 1-1/16 O.D.	6
10	01-031702		'O' RING, 3/4 O.D.	6
11	07-060014		WASHER, 1/4 LIGHT	4
12	SBD-201507-9		FLOW DISC, .078	1
13	SBD-203410-2		FLOW DISC, .052	1
14	SBD-201508-4		FLOW DISC, .047	2
DESCRIPTION			VALVE BANK ASSEMBLY	PART NO. CAA-208495-8



0885/0785

DESCRIPTION

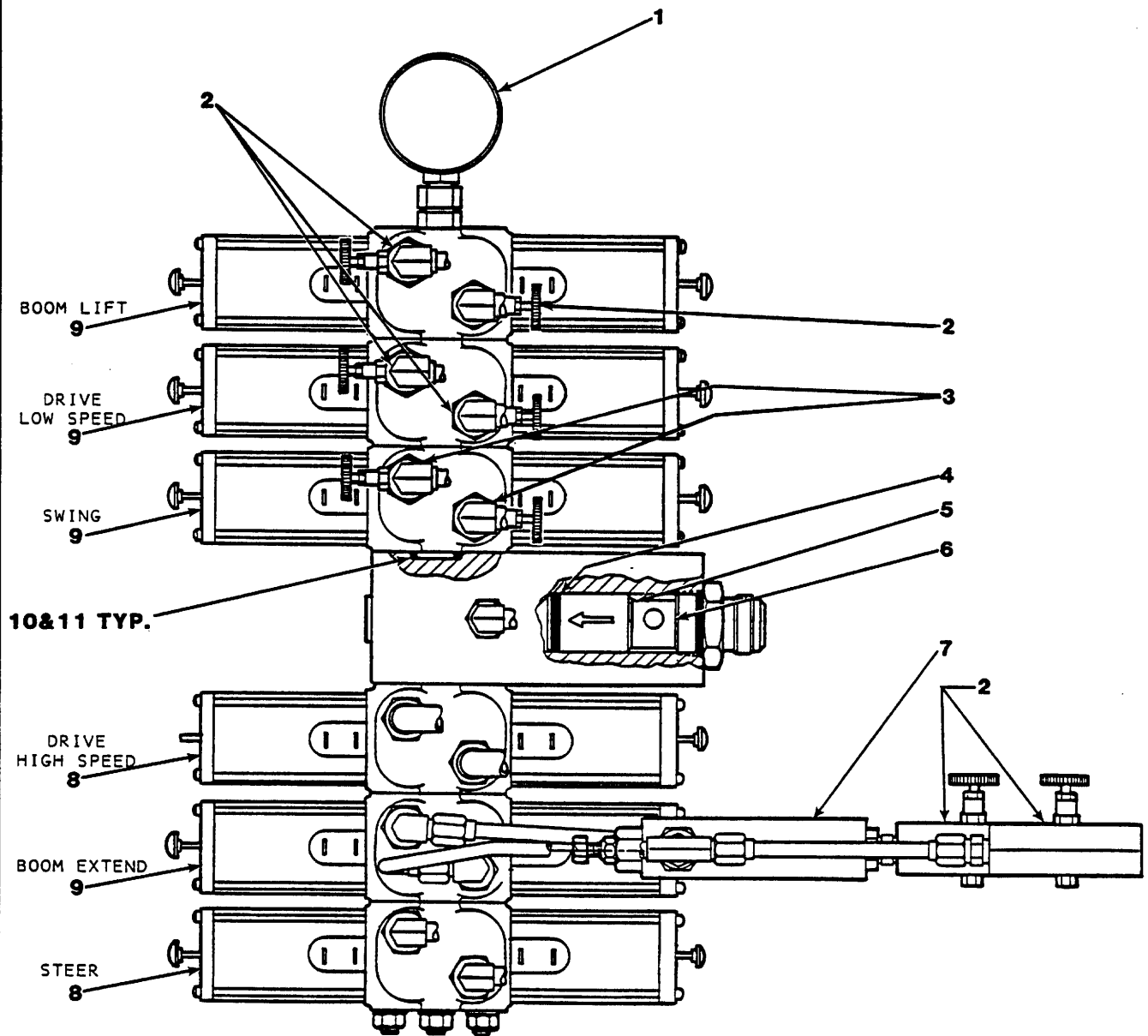
VALVE BANK ASSEMBLY

PART NO.

CAA-208495-8

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-019000		NEEDLE VALVE, #8 SAE PORTS	6
3	01-018900		NEEDLE VALVE, #6 SAE PORTS	2
4	01-034200		'O' RING	1
5	01-034200		CHECK VALVE	1
6	SBD-201510-9		SPACER	1
7	01-012800		PRESSURE REDUCING VALVE	1
8	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	2
9	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	4
10	01-031703		'O' RING, 1-1/16 O.D.	6
11	01-031702		'O' RING, 3/4 O.D.	6
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY				



0786/0486

DESCRIPTION

VALVE BANK ASSEMBLY

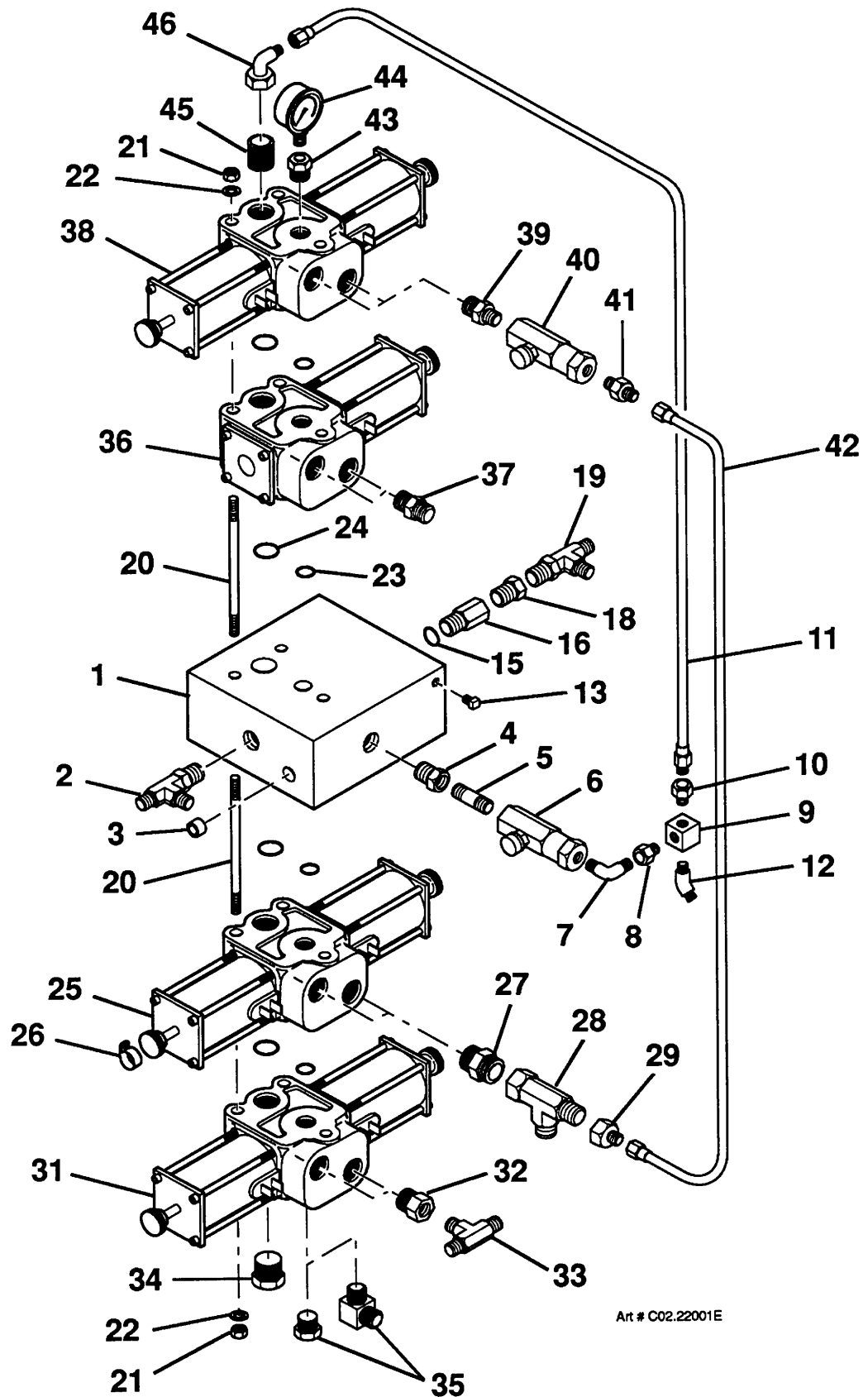
PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2025214		MANIFOLD, CONTROL VALVE	1
2	06-044800		ELBOW, STRAIGHT THREAD (8 C50X) (used on models without steering relief valves)	1
			TEE, STRAIGHT THREAD (used on models with steering relief valves)	1
3	06-095100		PLUG, HOLLOW HEX (8 HP50N)	1
4	06-086800		ADAPTER, FEMALE PIPE (8-1/4 F50G)	1
5	06-076900		NIPPLE, PIPE THREAD ADAPTER (PH 1/4 FF)	1
6	01-012300		VALVE, FLOW CONTROL	1
7	06-082500		ELBOW, PIPE THREAD (1/4 CR)	1
8	06-086600		ADAPTER, FEMALE PIPE (6-1/4 F50G)	1
9	01-013800		VALVE, SHUTTLE	1
10			FITTING (6 F50X)	1
11	3516800		TUBE ASSEMBLY (Shuttle valve return line)	1
12	06-047000		ELBOW, 45° STRAIGHT THREAD (6 V50X)	1
13	06-000003		PLUG, HEX HEAD (1/4 HP)	1
14	06-041100		CONNECTOR, STRAIGHT THREAD (12-16 F50X) (not shown)	1
15	01-034200		"O"-RING (1.051" I.D.)	1
16	01-034100		VALVE, CARTRIDGE CHECK (3,000 PSI)	1
17	2015109		SPACER, CHECK VALVE (not shown)	1
18	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X)	1
19			TEE	1
20	2096568		ROD, THREADED (3/8"-16 x 6-1/4")	6
21	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
22	07-065016		WASHER, HELICAL LOCK (3/8")	6
23	01-031702		"O"-RING (3/4" O.D.)	4
24	01-031703		"O"-RING (1-1/16" O.D.)	4
25	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
26			BAND (to prevent manual operation of high speed valve)	2
27	06-040900		CONNECTOR, STRAIGHT THREAD (12-8 F50X)	2
28	06-054800		RUN TEE, SWIVEL NUT (12 R6X)	2
29	06-057800		NUT, TUBE (12 BTX)	2
30	06-060900		REDUCER, TUBE END (12-8 TRTX) (not shown)	2
31	01-031700	D13.01	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
32			REDUCER	2
33	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X) (used on models without steering relief valves)	2
			TEE, STRAIGHT THREAD (used on models with steering relief valves)	2

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

PLATE NO.	C02.22	SIMON AERIALS INC.	REV. 06/26/91	PART NO. 3511020
-----------	--------	---------------------------	---------------	------------------



Art # C02.22001E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 06/26/91

PART NO. 3511020

PLATE NO. C02.22

PARTS LIST

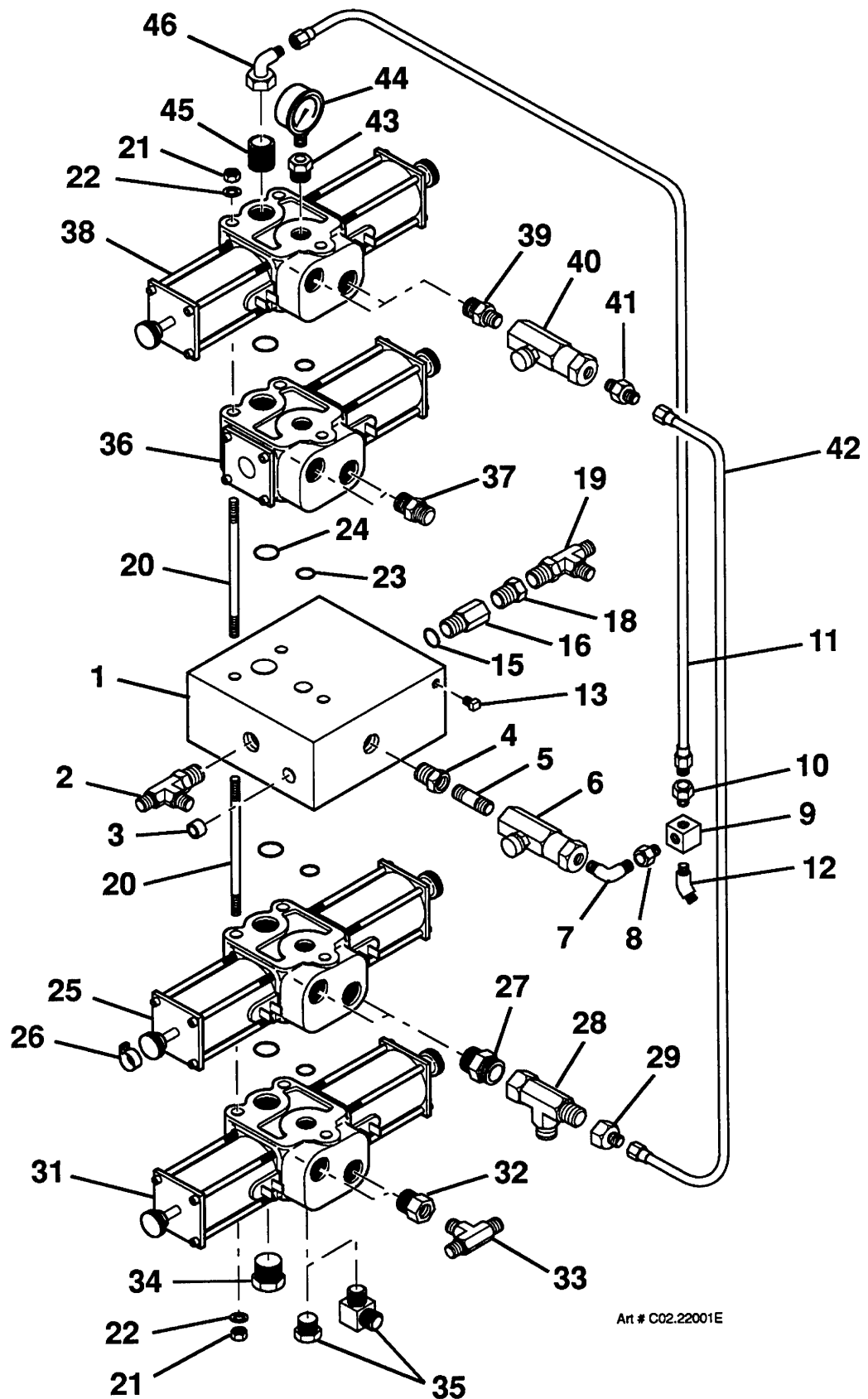
[illegible]

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 2 OF 2)

PLATE NO.	C02.22	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 06/26/91

PART NO. 3511020



Art # C02.22001E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 06/26/91

PART NO. 3511020

PLATE NO. C02.22

PARTS LIST

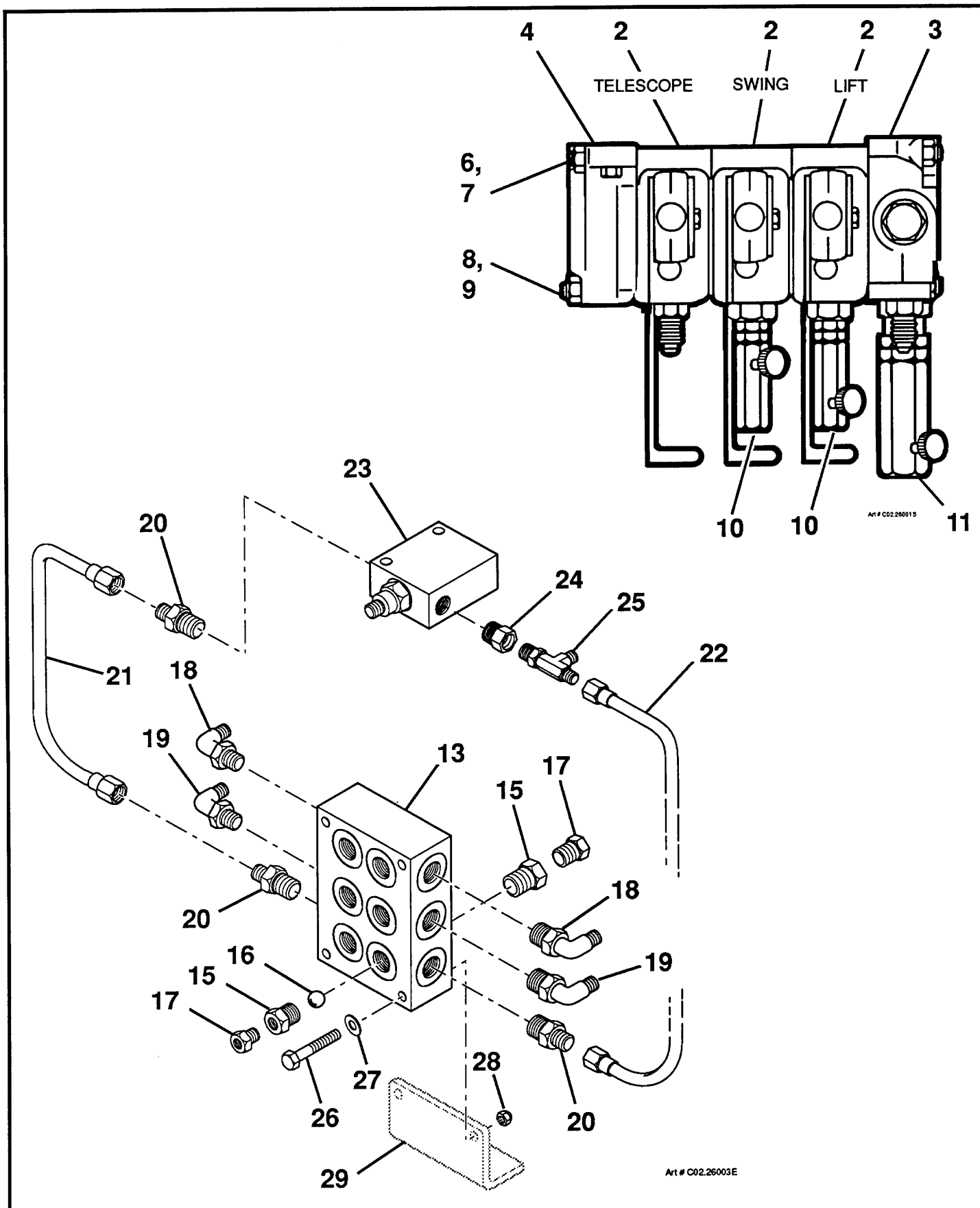
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			VALVE BANK ASSEMBLY, GROUND (Lift, swing, telescope)	1
2	01-067701	D14.02	VALVE SECTION, 4-WAY MANUAL	3
3	01-067704		VALVE SECTION, INLET	1
4	01-067705		END SECTION, VALVE	1
5			TIE ROD KIT	1
6			TIE ROD (5/16"-11 X 6-3/4" long)	2
7			NUT, HEX (5/16"-11)	4
8			TIE ROD (3/8"-24 X 6-3/4" long)	1
9			NUT, HEX (3/8"-24)	2
10	01-018900		VALVE, NEEDLE (#6 SAE ports)	3
11	01-019000		VALVE, NEEDLE (#8 SAE ports)	1
12	3511030		SHUTTLE VALVE ASSEMBLY (for MP 70 and smaller)	1
	3517640		SHUTTLE VALVE ASSEMBLY (for MP 80 and larger)	1
13	01-071300		BLOCK, SHUTTLE VALVE	1
14	01-071200		VALVE KIT, SHUTTLE	6
15			SEAT (with "O"-Ring)	2
16			BALL	1
17	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	12
18	06-044800		ELBOW, STRAIGHT THREAD (8 C50X)	2
19	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X)	2
20	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	3
21	3515610		TUBE ASSEMBLY (left hand)	1
22	3515600		TUBE ASSEMBLY (right hand)	1
23			VALVE, PRESSURE REDUCING (100 to 3,000 PSI, 10 GPM) (for assembly 3511030) (100 to 3,000 PSI, 20 GPM) (for assembly 3517640)	1 1
24	06-090400		REDUCER/ EXPANDER (6-8 F50G5)	1
25	06-048600		RUN TEE, STRAIGHT THREAD (8 R50X)	1
26	07-003013		CAP SCREW, HEX HEAD (1/4"-20 x 3")	2
27	07-060014		WASHER, FLAT (1/4" SAE)	4
28	07-050014		NUT, STOP (1/4"-20)	2
29	2126710		BRACKET, SHUTTLE VALVE MOUNTING (ref.)	1

TITLE VALVE BANK ASSEMBLY (LIFT, SWING, TELESCOPE)

PLATE NO.	C02.26	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 08/26/91

**PART
NO.**



TITLE

VALVE BANK ASSEMBLY (LIFT, SWING, TELESCOPE)

SIMON AERIALS INC.

REV. 08/26/91

PART
NO.

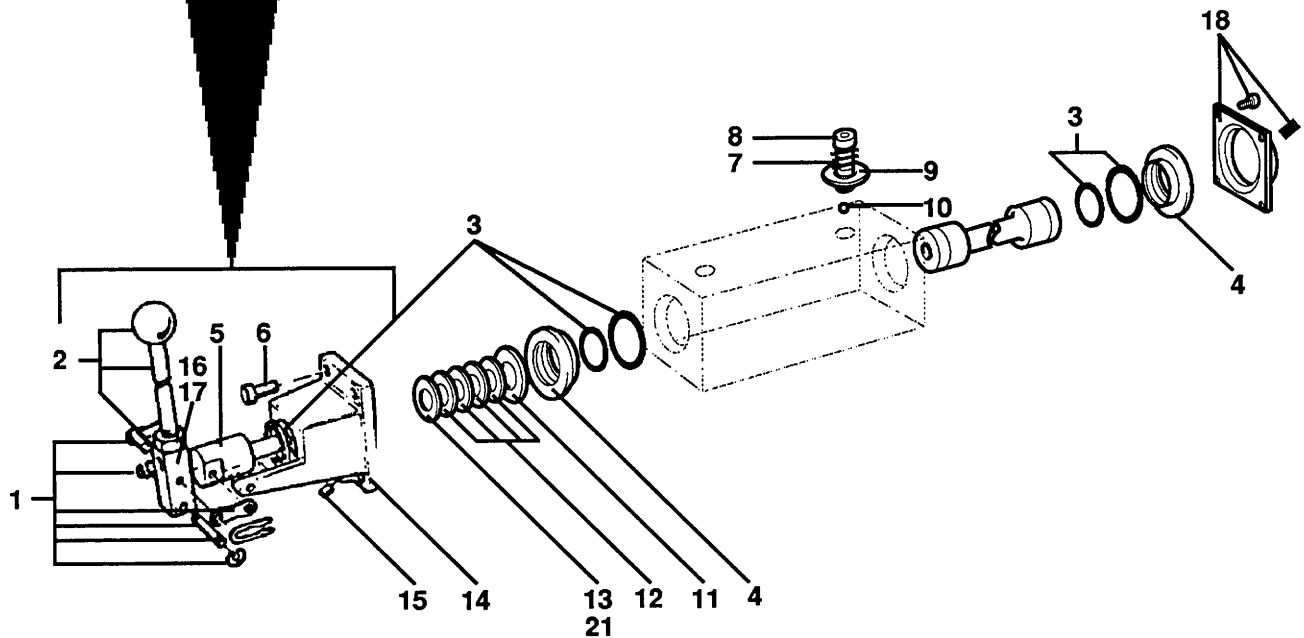
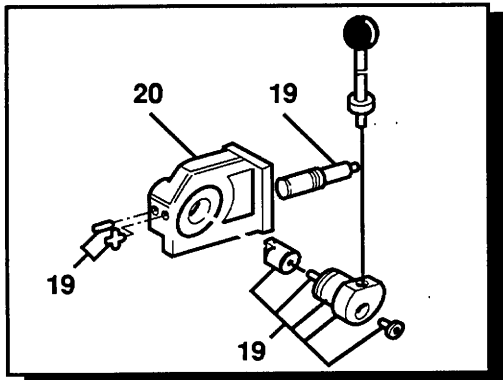
PLATE
NO. C02.26

[illegible]

VALVE BANK ASSEMBLY (FULL HYDRAULIC)

PART NO. 01-061700

USED ON EARLIER MODELS



TITLE

VALVE BANK ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 11/30/90

PART
NO.

01-061700

PLATE
NO.

C02.30

PARTS LIST

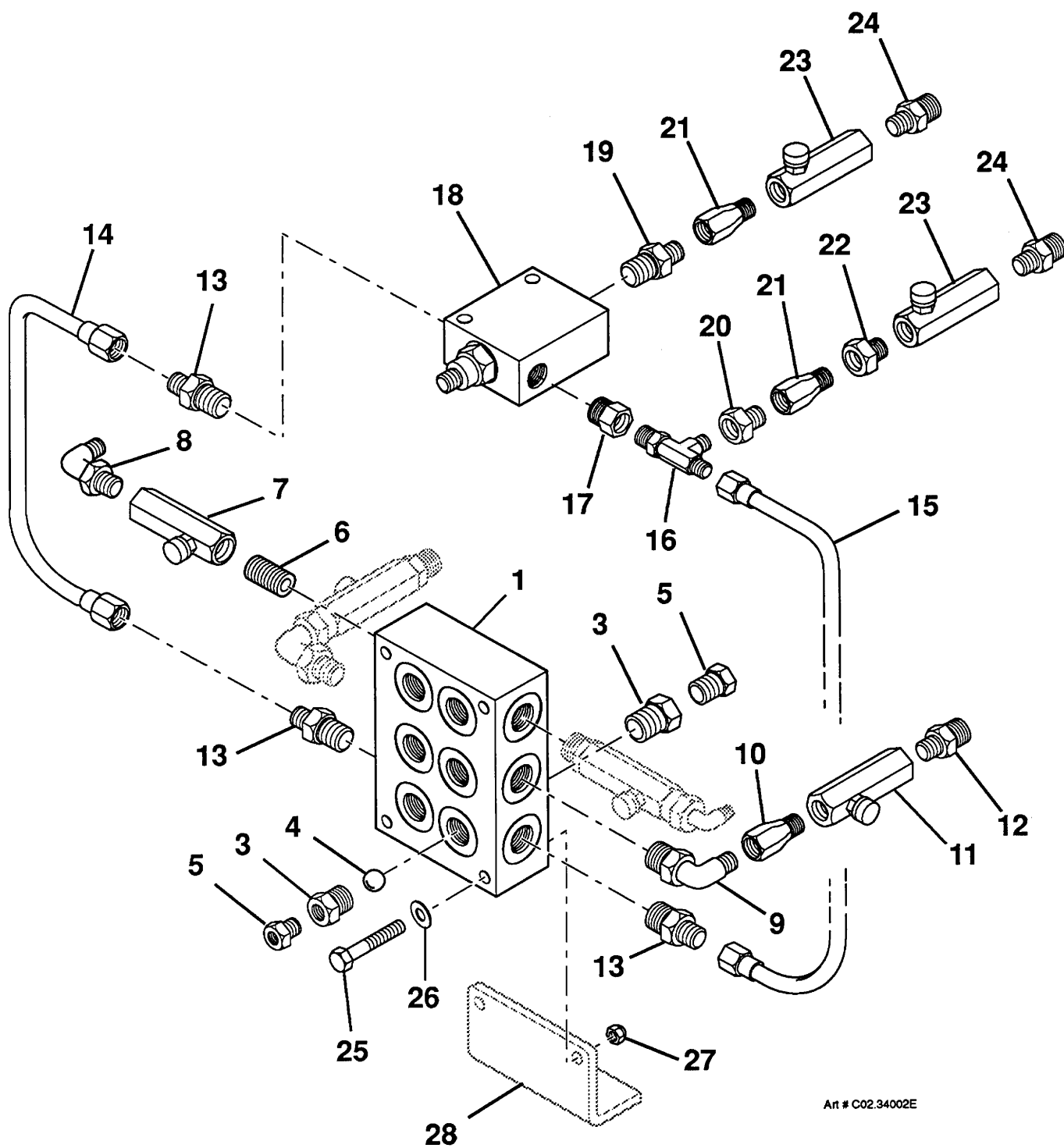
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3524470		SHUTTLE VALVE ASSEMBLY (MP 70 and smaller, with Ground control C02.35)	1
			SHUTTLE VALVE ASSEMBLY (MP 80 and larger, with Ground control C02.35)	1
1	01-071300		BLOCK, SHUTTLE VALVE	1
2	01-071200		VALVE KIT, SHUTTLE	6
3			SEAT (with "O"-Ring)	2
4			BALL	1
5	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	12
6	06-096200		UNION (8 F50 F50)	2
7	01-019000		VALVE, FLOW CONTROL (Needle valve) (#8 SAE Ports)	2
8	06-044800		ELBOW, STRAIGHT THREAD (8 C50X)	2
9	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X)	2
10	06-079000		ADAPTER, PIPE THREAD (6 F65X)	2
11	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	2
12	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X)	2
13	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	3
14	3515610		TUBE ASSEMBLY (left hand)	1
15	3515600		TUBE ASSEMBLY (right hand)	1
16	06-048600		RUN TEE, STRAIGHT THREAD (8 R50X)	1
17	06-090400		REDUCER/ EXPANDER (6-8 F50G5)	1
18			VALVE, PRESSURE REDUCING (100 to 3,000 PSI, 10 GPM) (MP 70 and smaller)	1
	01-012800		(100 to 3,000 PSI, 20 GPM) (MP 80 and larger)	1
19	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	1
20	06-057600		NUT, TUBE (8 BTX) (MP 70 and smaller)	1
	06-057800		NUT, TUBE (12 BTX) (MP 80 and larger)	1
21	06-079000		ADAPTER, PIPE THREAD (6 F65X)	2
22	06-060300		REDUCER, TUBE END (8-6 TRTX)	1
23			VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports) (MP 70 and smaller)	2
	01-019000		(#8 SAE Ports) (MP 80 and larger)	2
24	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X)	2
25	07-003013		CAP SCREW, HEX HEAD (1/4"-20 x 3")	2
26	07-060014		WASHER, FLAT (1/4" SAE)	2
27	07-050014		NUT, STOP (1/4"-20)	2
28	2126710		BRACKET, SHUTTLE VALVE MOUNTING (ref.)	1

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

PLATE NO. C02.34 **SIMON AERIALS INC.**

NEW 08/26/91

PART
NO.



Art # C02.34002E

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

SIMON AERIALS INC.

NEW 08/26/91

PART
NO.

PLATE
NO.

C02.34

PARTS LIST

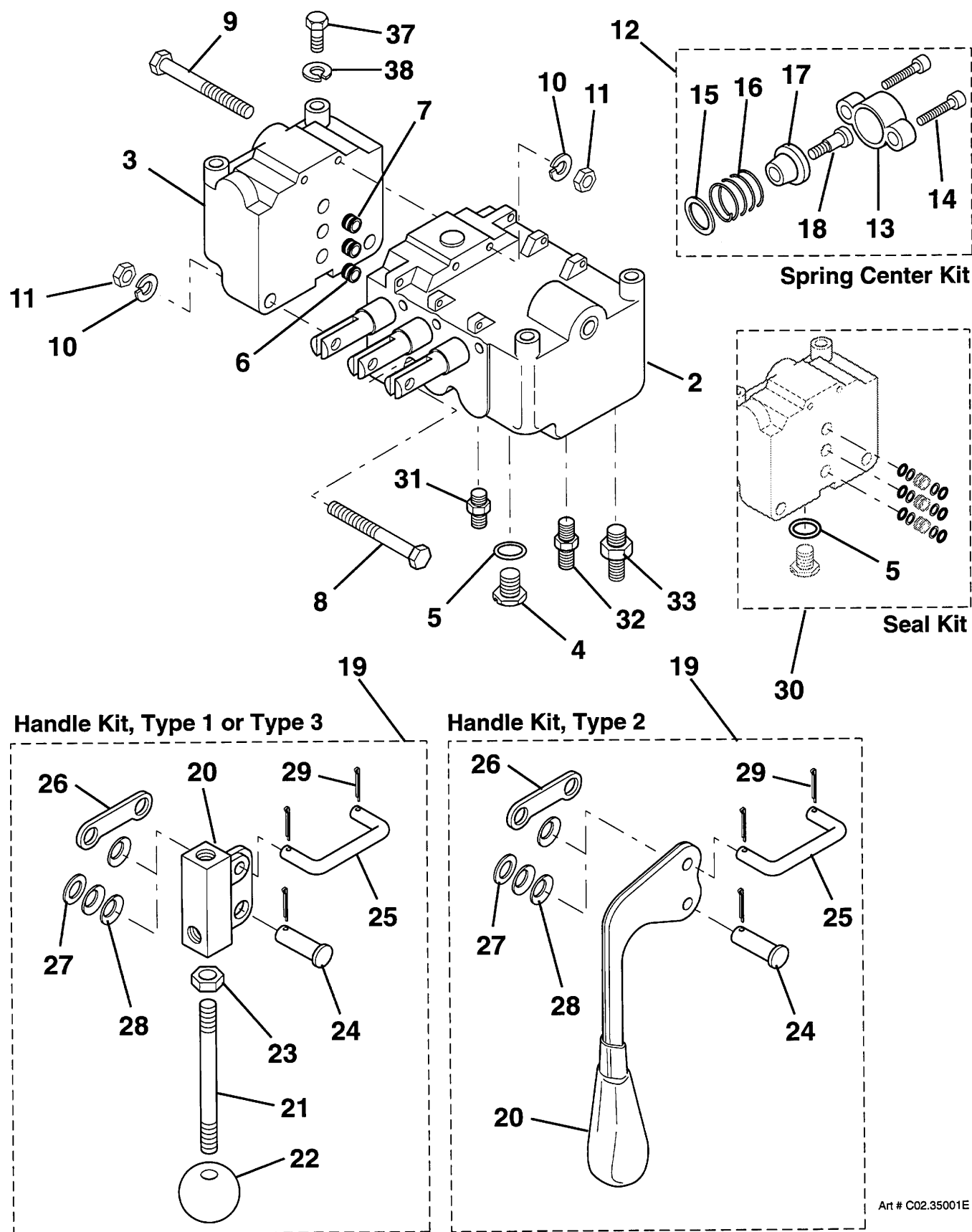
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4480 353 4260 354 4270		GROUND VALVE BANK ASSEMBLY with "Type 1" or "Type 2" Handle (Item19) with "Type 3" Handle (Item19) for special MP 70 application	
1			VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
	01-207000 01-226600 01-207006		with "Type 1" or "Type 2" Handle (Item19) with "Type 3" Handle (Item19) INLET SECTION, 3 SPOOL	
2				1
3			END SECTION	1
4			PLUG, HEX HEAD	1
5			"O"-RING (also part of Seal Kit, item 30)	1
6	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
7	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
8			CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
9	07-003013		CAP SCREW, HEX HEAD (1/4"-20 x 3", Grade 5)	2
10			WASHER, HELICAL LOCK (1/4")	4
11			NUT, HEX (1/4"-20, Grade 5)	4
12	01-207005		SPRING CENTER KIT	4
13			CAP, END	1
14			SCREW	2
15			WASHER	1
16			SPRING, RETURN	1
17			SPACER	1
18			BOLT, SHOULDER	1

TITLE VALVE BANK ASSEMBLY, GROUND (LIFT, SWING, TELESCOPE) (1 OF 2)

PLATE NO. C02.35 **SIMON AERIALS INC.**

REV. 14 SEP, 1995

PART NO.



TITLE VALVE BANK ASSEMBLY, GROUND (LIFT, SWING, TELESCOPE) (1 OF 2)

SIMON AERIALS INC.

REV. 14 SEP, 1995

PART
NO.

PLATE
NO.

C02.35

PARTS LIST

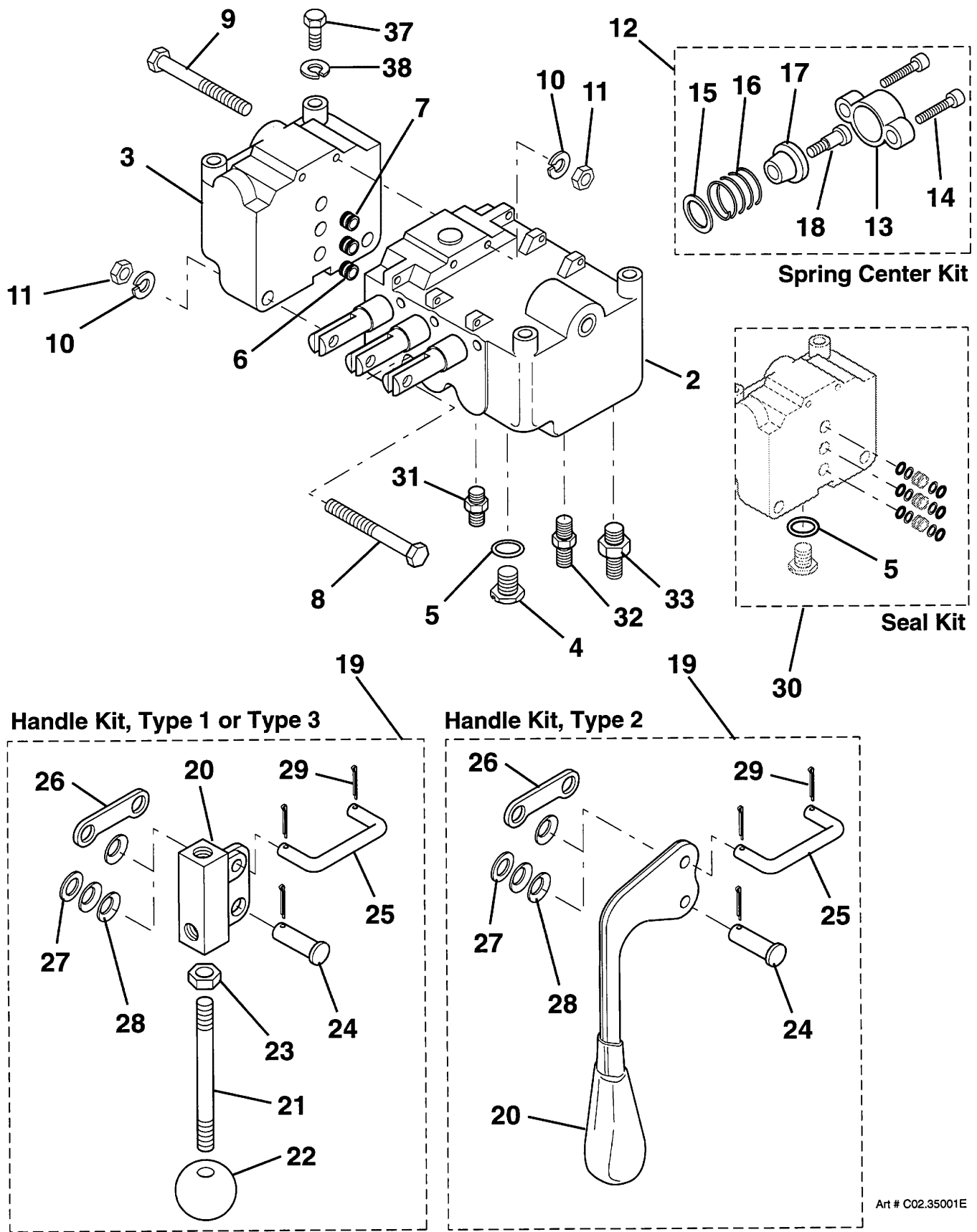
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	01-098701		HANDLE KIT Type 1 (handle is a 3" [76 mm] long threaded rod, with a separate ball knob)	3
	01-207002		Type 2 (has a one-piece handle)	
	01-098902		Type 3 (handle is a 5-3/4" [146 mm] long threaded rod, with a separate ball knob)	
20	01-098402		BLOCK, PIVOT (for Type 1 or Type 3 handle)	1
	01-207003		HANDLE (for Type 2 only)	1
21			ROD, HANDLE	1
	01-098406		3" (76 mm) long	
	01-098503		5-3/4" (146 mm) long	
22	01-098407		KNOB, BALL (Plastic)	1
23	01-098408		NUT, JAM	1
24	01-098403		PIN, CLEVIS	1
25	01-098413		"C"-HOOK	1
26	01-098414		LINK	2
27	01-098411		WASHER, FLAT	1
28	01-098409		WASHER, SPRING (use 1 with link, 2 without link)	A.R.
29	01-207004		PIN, COTTER	3
30	01-207001		SEAL KIT	1
31	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	6
32	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F5OX-S)	1
33	06-041000		ADAPTER, "O"-RING TO 37° (12-10 F5OX-S)	1
34	01-018900		VALVE, FLOW CONTROL (Needle valve) #6 SAE Ports)	
			(not used on assembly 354 4270)	1
35	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	
			(not used on assembly 354 4270)	1
36	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	
			(not used on assembly 354 4270)	1
37			CAP SCREW, HEX HEAD	4
	07-003449		5/16"-24 x 1/2" (some versions)	
	07-003450		5/16"-24 x 3/4" (some versions), used with . . .	
	07-062015		WASHER, FLAT (5/16")	4
38	07-065015		WASHER, HELICAL LOCK (5/16")	4

TITLE VALVE BANK ASSEMBLY, GROUND (LIFT, SWING, TELESCOPE) (2 OF 2)

PLATE NO. C02.35 **SIMON AERIALS INC.**

REV. 14 SEP, 1995

PART NO.



Art # C02.35001E

TITLE VALVE BANK ASSEMBLY, GROUND (LIFT, SWING, TELESCOPE) (2 OF 2)

SIMON AERIALS INC.

REV. 14 SEP, 1995

**PART
NO.**

**PLATE
NO.** C02.35

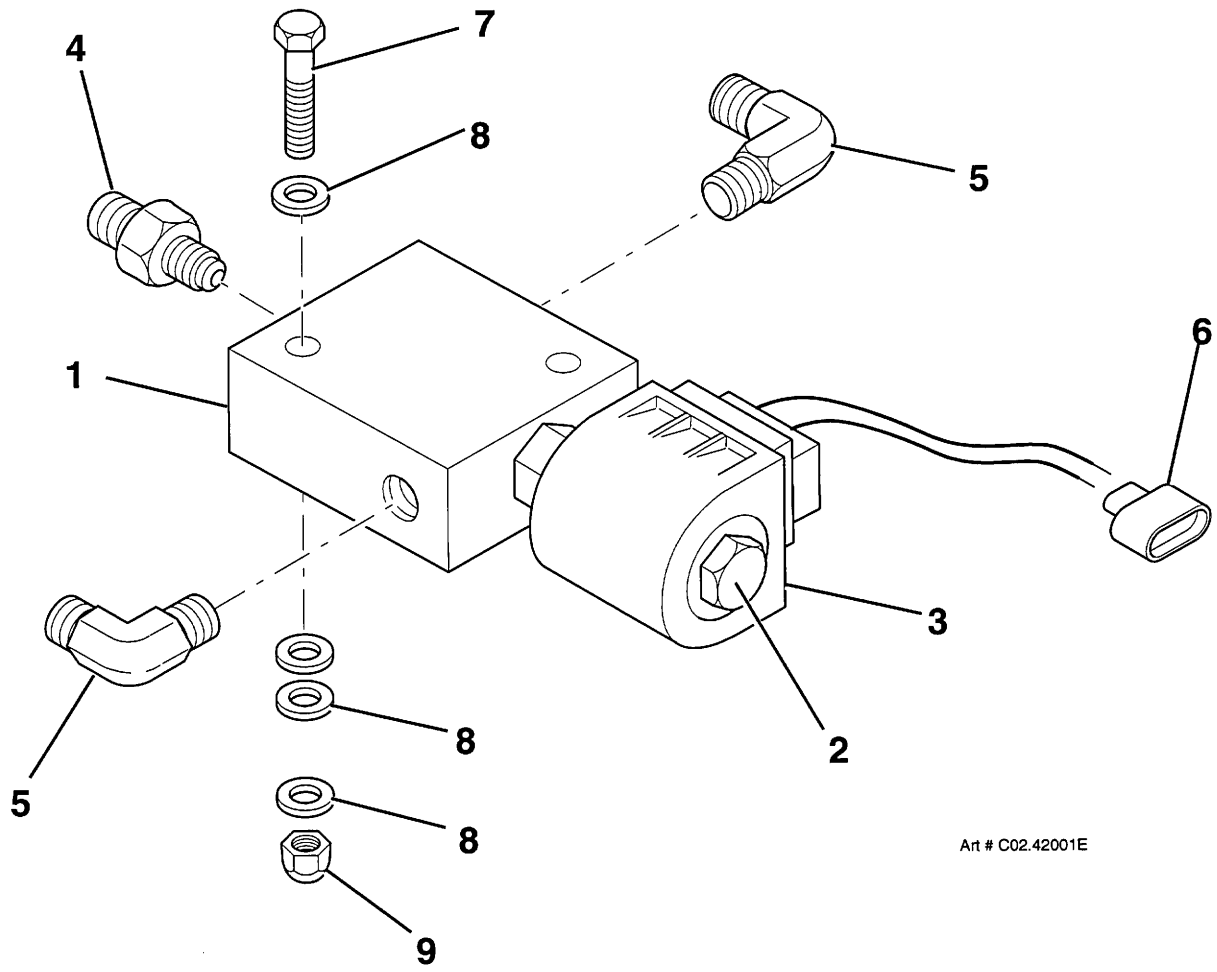
PARTS LIST

[illegible]

TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH TWO WHEEL DRIVE)

PLATE NO. C02.42	SIMON AERIALS INC.	NEW 06 SEP., 1995	PART NO. 354 4170
------------------	--------------------	-------------------	-------------------

PART NO.	354 4170
----------	----------



Art # C02.42001E

TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH TWO WHEEL DRIVE)

SIMON AERIALS INC.

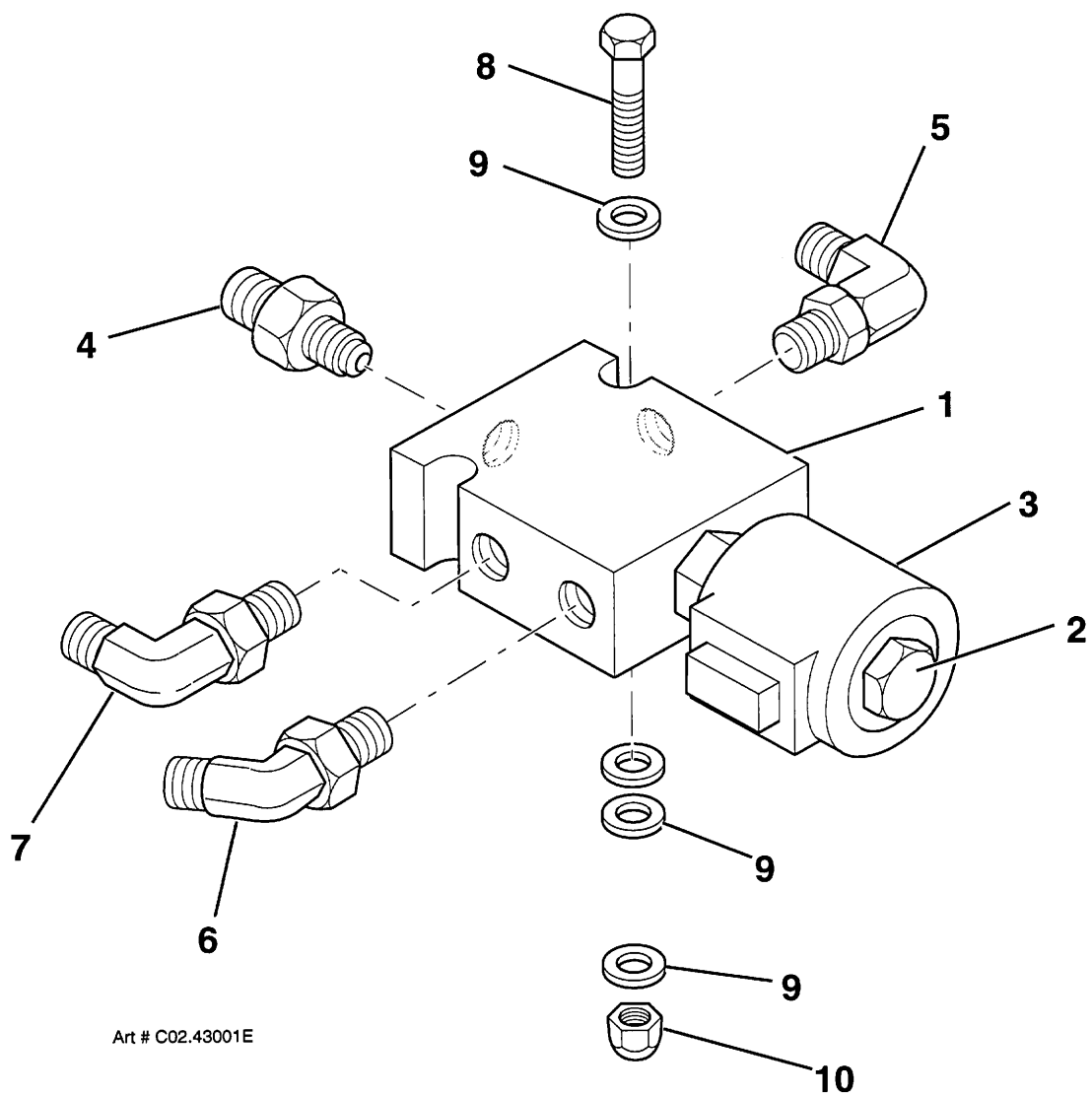
NEW 06 SEP., 1995

PART NO. 354 4170

PLATE NO. C02.42

[illegible]

PLATE NO. C02.43	SIMON AERIALS INC.	NEW 06 SEP., 1995	PART NO.
-------------------------	---------------------------	-------------------	-----------------



TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH FOUR WHEEL DRIVE)

SIMON AERIALS INC.

NEW 06 SEP., 1995

PART
NO.

PLATE
NO.

C02.43

PARTS LIST

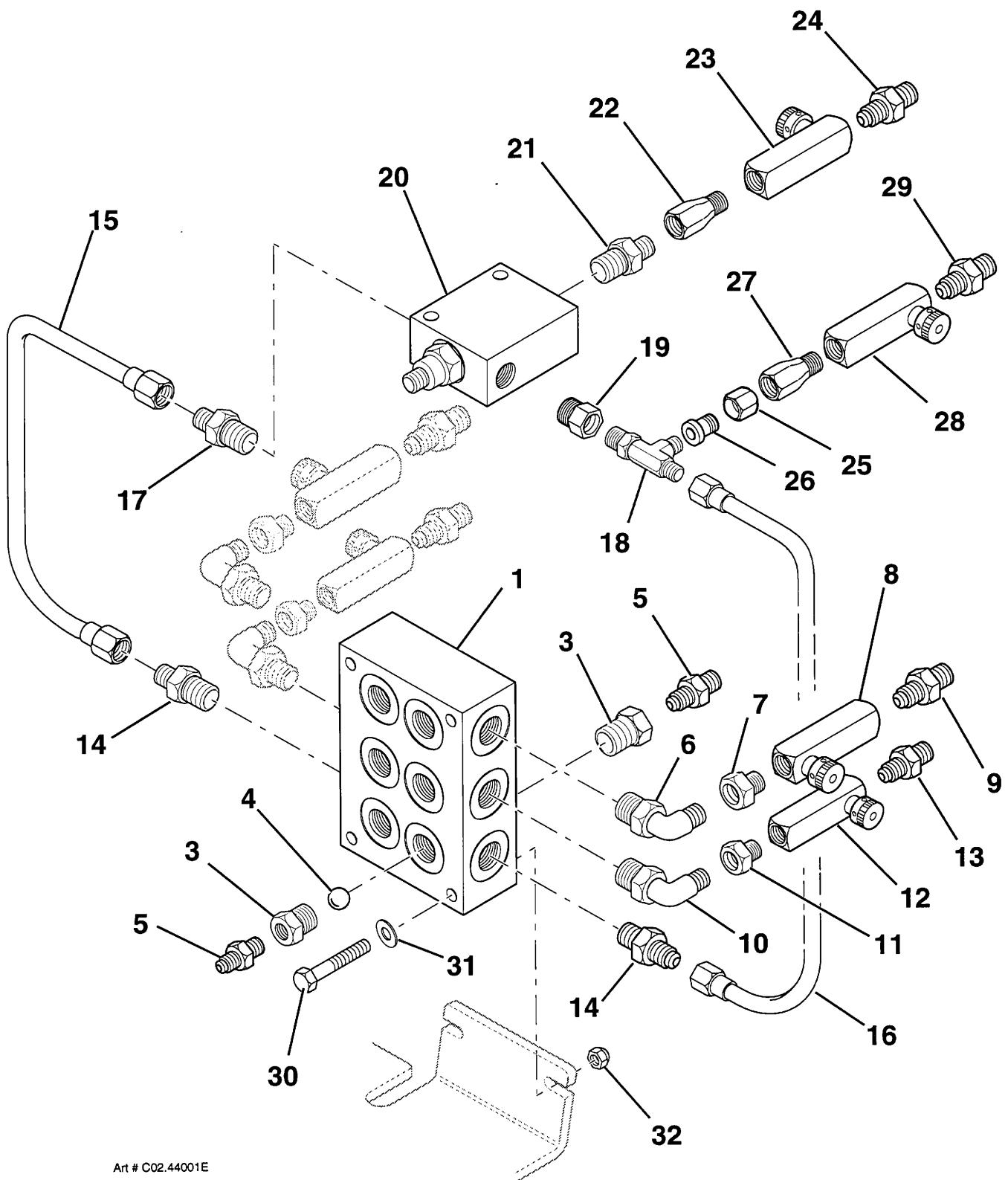
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4710		SHUTTLE VALVE ASSEMBLY (for model MP 40 or MP 50)	1
1	01-071300		BLOCK, SHUTTLE VALVE	1
2	01-071200		VALVE KIT, SHUTTLE	6
3			SEAT (with "O"-Ring)	2
4			BALL	1
5	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	12
6	06-044800		90° ELBOW, "O"-RING TO 37° (8 C5OX-S)	2
7	06-207800		ADAPTER, SWIVEL NUT (8 F65OX-S)	2
8	01-019000		VALVE, FLOW CONTROL (Needle valve) (#8 SAE Ports) (Note direction of valve. Arrow points "in".)	2
9	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	2
10	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	2
11	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	2
12	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports) (Note direction of valve. Arrow points "out".)	2
13	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	2
14	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	2
15	351 5610		TUBE ASSEMBLY (left hand)	1
16	351 5600		TUBE ASSEMBLY (right hand)	1
17	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
18	06-048600		RUN TEE, MALE "O"-RING TO 37° (8 R5OX-S)	1
19	06-090400		REDUCER/ EXPANDER (6-8 F5O G5-S)	1
20	01-012800		VALVE, PRESSURE REDUCING (100 to 3,000 PSI, 10 GPM)	1
21	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	1
22	06-079000		ADAPTER, SWIVEL NUT (6 F65OX-S)	1
23	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports) (Note direction of valve installation. Arrow points "out".)	1
24	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
25	06-057600		NUT, TUBE (8 BTX-S)	1
26	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
27	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	1
28	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports) (Note direction of valve installation. Arrow points "in".)	1
29	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
30	07-003011		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	2
31	07-060014		WASHER, FLAT (1/4" SAE)	4
32	07-050014		NUT, STOP (1/4"-20, Grade 5)	2

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

PLATE NO. C02.44 **SIMON AERIALS INC.**

NEW 01 SEP., 1995

PART NO.



Art # C02.44001E

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

SIMON AERIALS INC.

NEW 01 SEP., 1995

PART
NO.

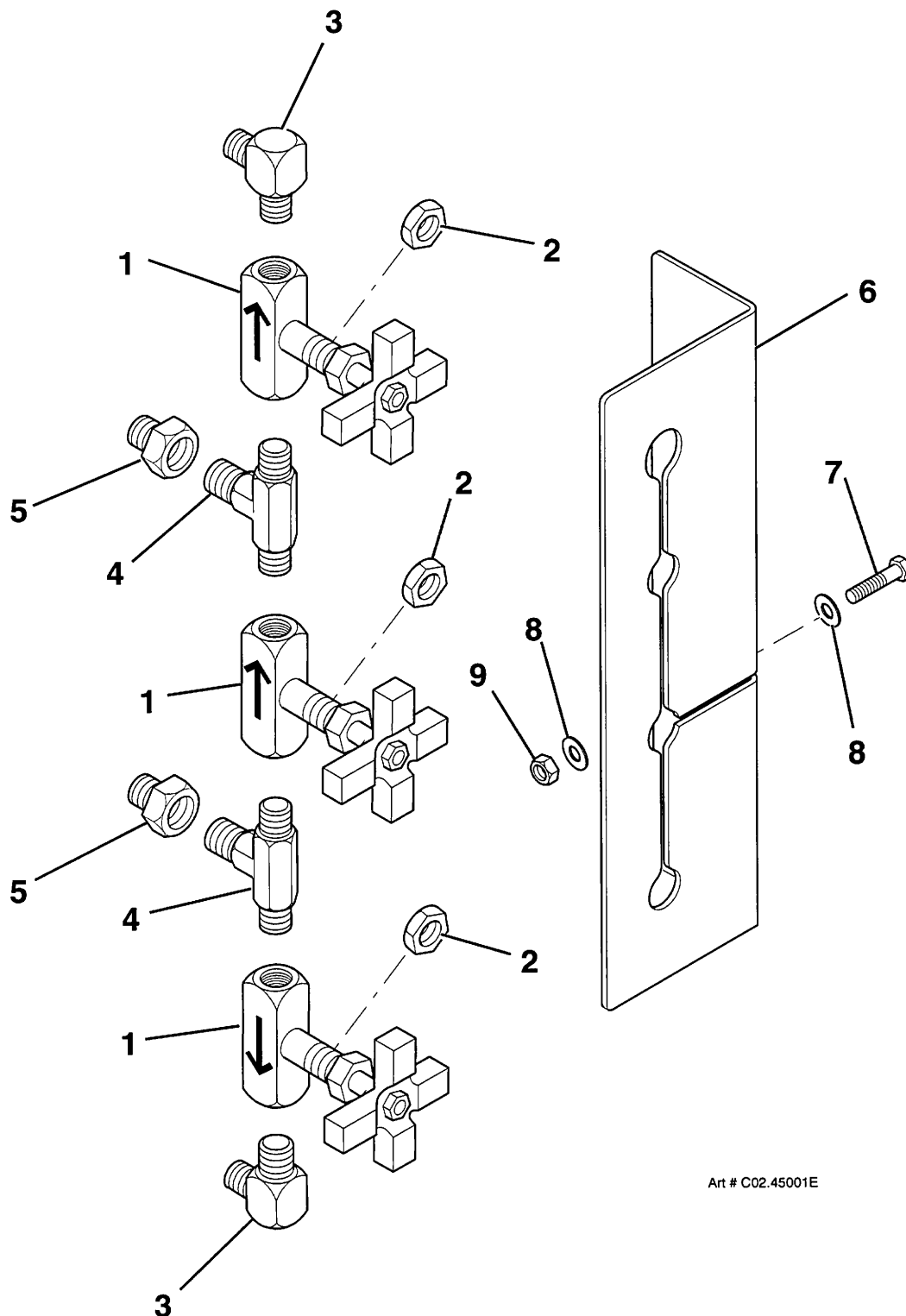
PLATE
NO. C02.44

[illegible]

C02.45

NEW 05 SEP., 1995

PART
NO.



Art # C02.45001E

TITLE

MANUAL DESCENT VALVE ASSEMBLY

SIMON AERIALS INC.

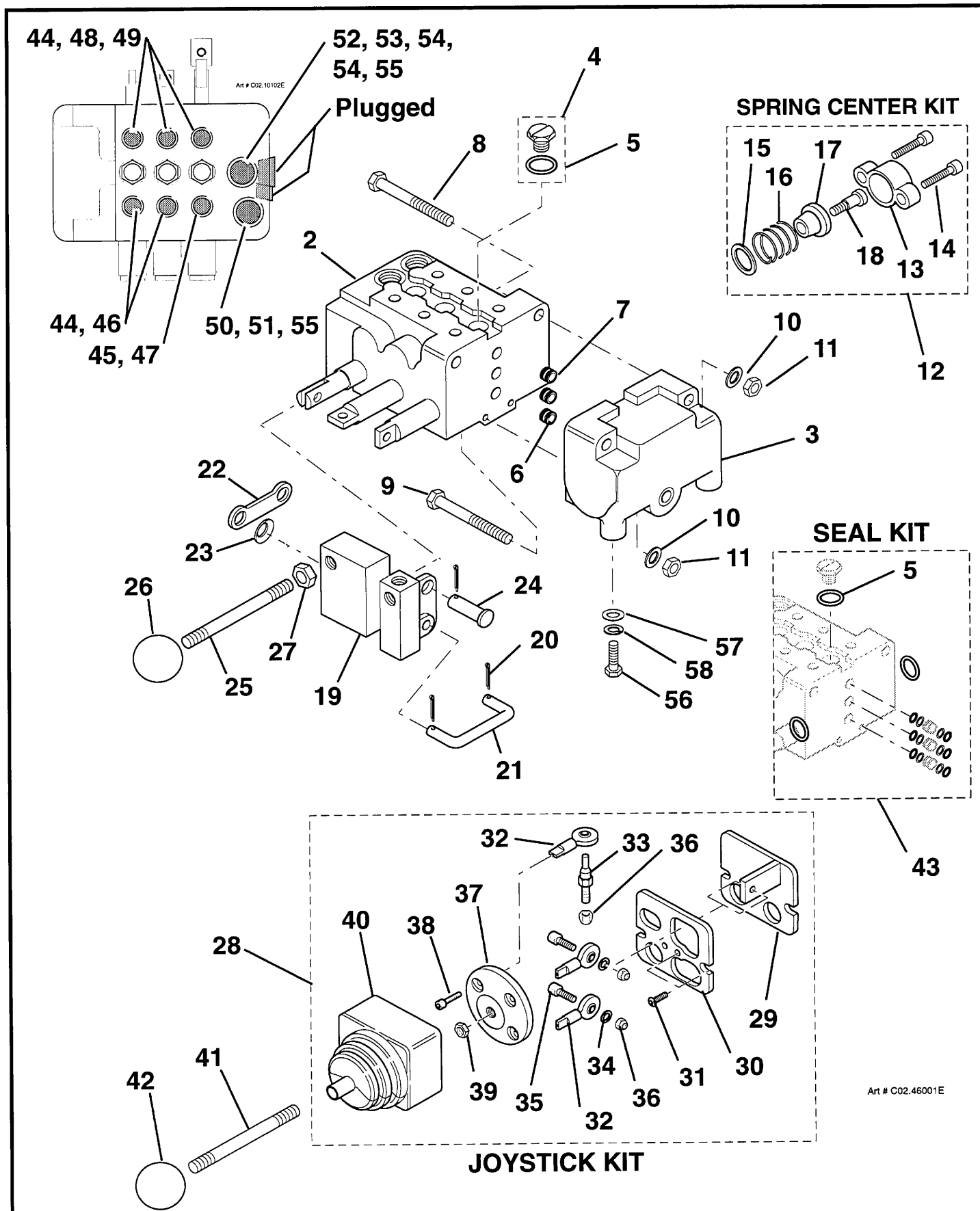
NEW 05 SEP., 1995

PART
NO.

PLATE
NO.

C02.45

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4110		VALVE BANK ASSEMBLY, PLATFORM CONTROL for MP Series	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 43)	1
6	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
7	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
8			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
9			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
10			WASHER, SPLIT LOCK (1/4")	4
11			NUT, HEX (1/4"-20, Grade 5)	4
12	01-216003		SPRING CENTER KIT	3
13			CAP, END	1
14			SCREW	2
15			WASHER	1
16			SPRING, RETURN	1
17			SPACER	1
18			BOLT, SHOULDER	1
19	219 9301		BLOCK, PIVOT	1
20	01-098403		PIN, CLEVIS	1
21	01-098413		"C"-HOOK	1
22	01-098414		LINK	1
23	01-098409		WASHER, SPRING	1
24	01-098412		PIN, COTTER	3
25	01-098503		ROD, HANDLE (5-3/4" [146 mm] long)	1
26	01-098407		KNOB, BALL (Plastic)	1
27	01-098408		NUT, JAM	1
TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 1 OF 2)				
PLATE NO.	C02.46	SIMON AERIALS INC.		PART NO.
REV. 14 JAN., 1996				



TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 1 OF 2)

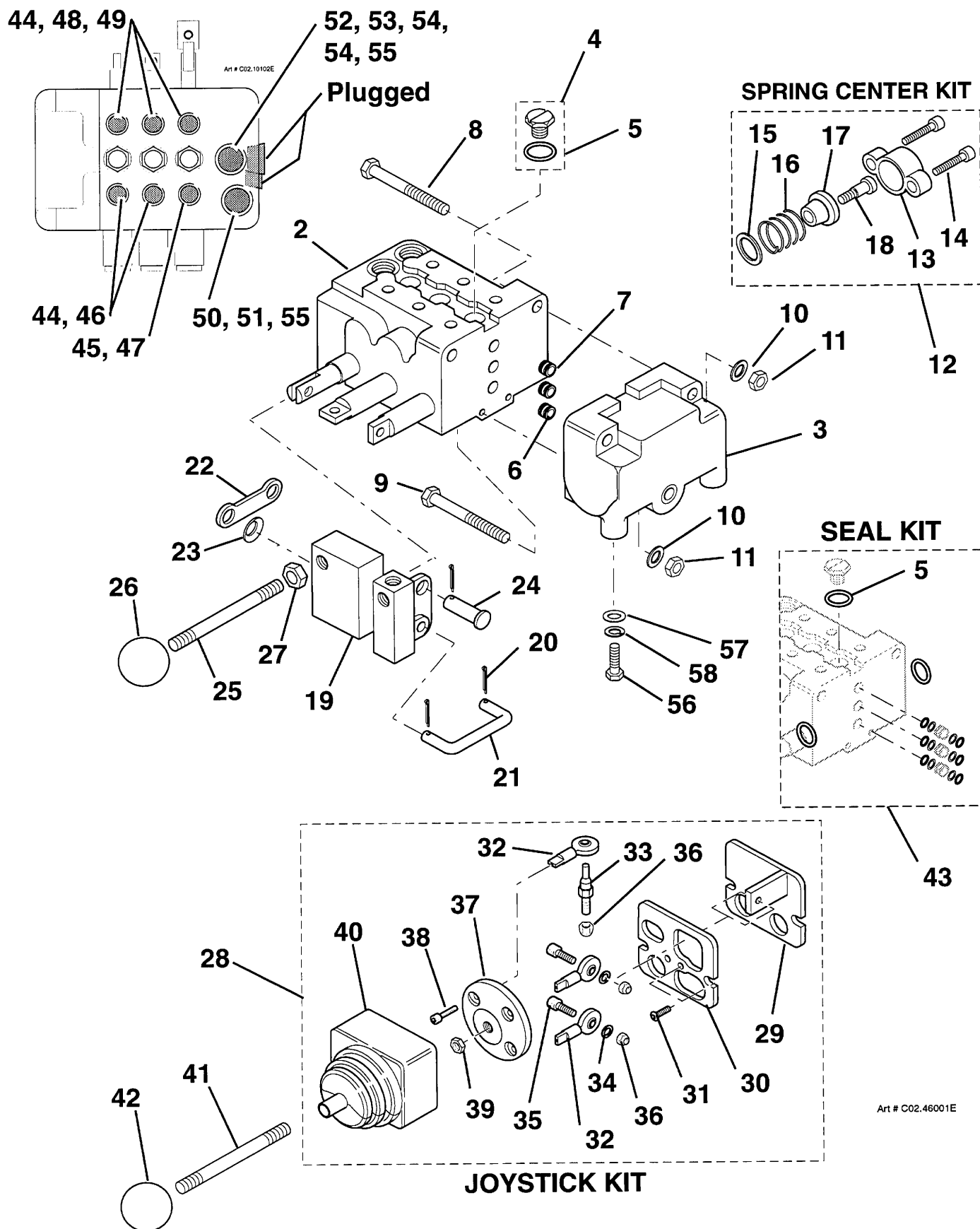
SIMON AERIALS INC.

REV. 14 JAN., 1996

PART NO.

PLATE NO. C02.46

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			VALVE BANK, PLATFORM CONTROL (continued)	
28	01-216002		JOYSTICK KIT	1
29			BRACKET ASSEMBLY	1
30			PLATE, BOOT RETAINING	1
31			SCREW, BUTTON HEAD (1/2" long)	2
32			ROD END	3
33			STUD, ACTUATOR	1
34			SPACER	2
35			CAP SCREW, SOCKET HEAD (1" long)	2
36			NUT, JAM	3
37			ADAPTER, HANDLE	1
38			CAP SCREW, SOCKET HEAD (3/4" long)	3
39			NUT, JAM	1
40	01-216004		BOOT, JOYSTICK	1
41	01-098503		ROD, HANDLE (5-3/4" [146 mm] long)	1
42	01-098407		KNOB, BALL (Plastic)	1
			The following items are not included with the Valve Bank (Item 1), but are included with the Valve Bank Assembly :	
43	01-216001		SEAL KIT (will service 3 Spools)	1
44	06-090600		REDUCER/ EXPANDER (8-6 F5OG5-S)	5
45	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
46	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	2
47	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
48	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF5OX-S)	3
49	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	3
50	06-045000		90° ELBOW, "O"-RING TO 37° (8-10 C5OX-S)	1
51	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	1
52	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F5OX-S)	1
53	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	1
54	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
55	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	2
56	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
57	07-062015		WASHER, FLAT (5/16")	4
58	07-065015		WASHER, HELICAL LOCK (5/16")	4
TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 2 OF 2)				
PLATE NO. C02.46		SIMON AERIALS INC.		PART NO.
REV. 14 JAN., 1996				



TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

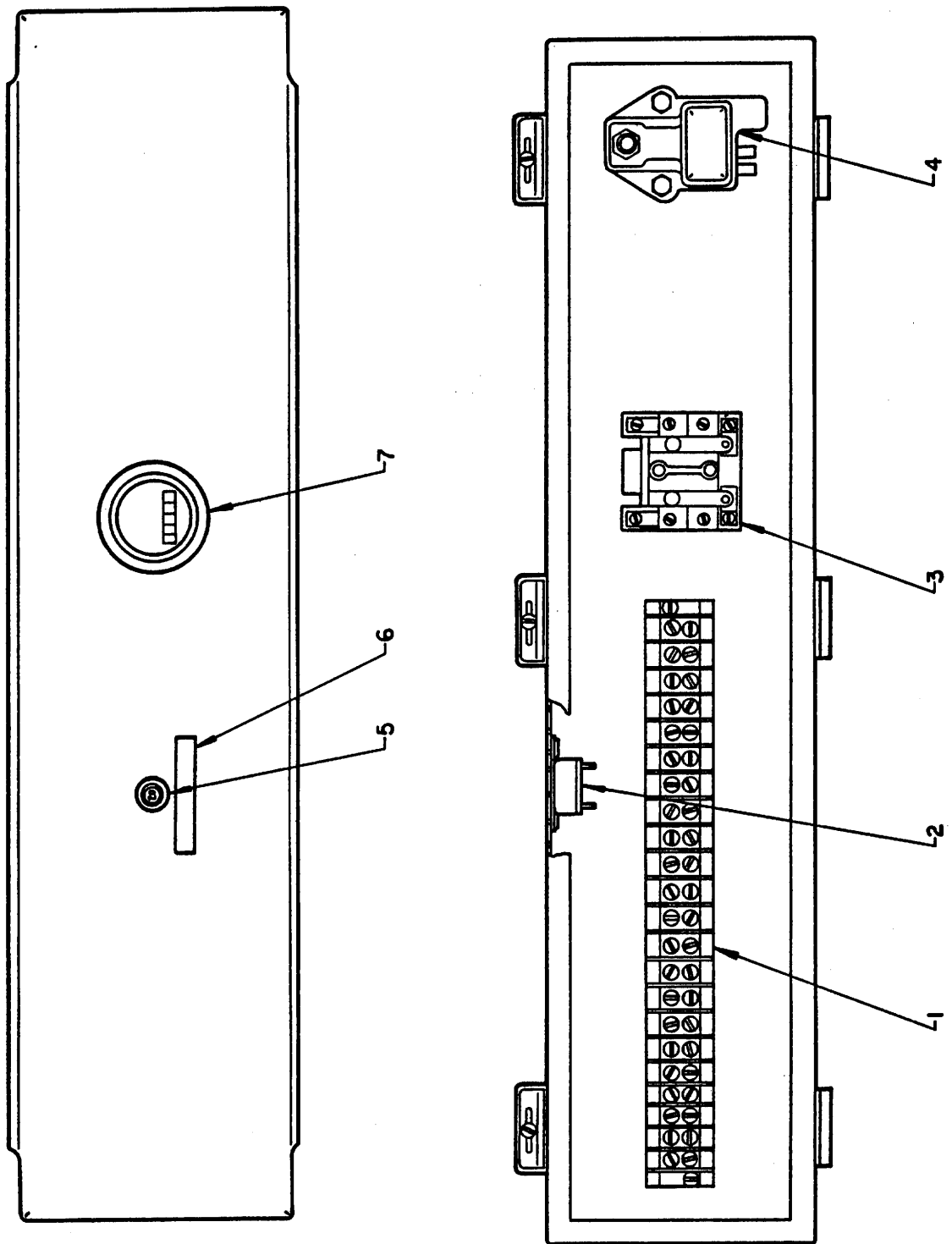
REV. 14 JAN., 1996

PART
NO.

PLATE
NO. C02.46

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-060000		TERMINAL STRIP	1
2	03-024700		CIRCUIT BREAKER, 20 AMP (05/82)	1
3	03-050400		CONTROL RELAY, DPST	1
4	03-050200		HORN RELAY	1
5	03-024000		CIRCUIT BREAKER, 20 AMP	1
6			DECAL, 20 AMP CIRCUIT BREAKER	1
7	03-030500		HOUR METER	1
DESCRIPTION			GROUND CONTROL BOX	PART NO. CAA-206246-6



0584/0682

DESCRIPTION

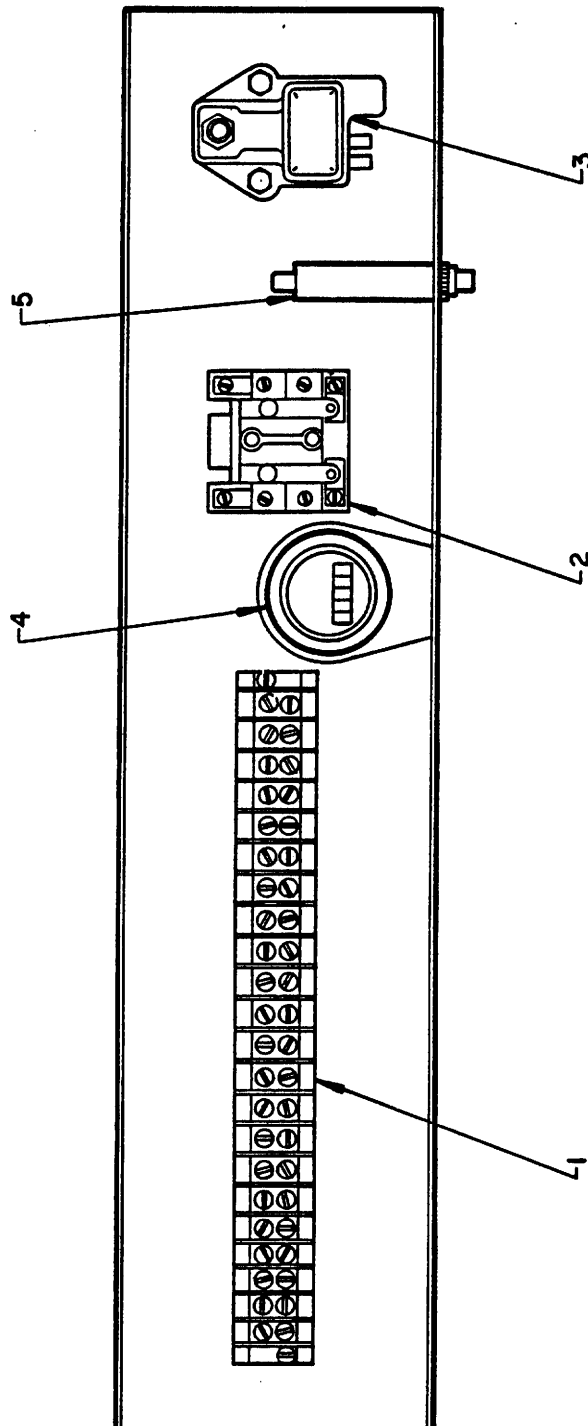
GROUND CONTROL BOX

PART NO.

CAA-206246-6

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-060000		TERMINAL STRIP	1
2	03-050400		CONTROL RELAY, DPST	1
3	03-050200		HORN RELAY	1
4	03-030500		HOUR METER	1
5	03-024000		CIRCUIT BREAKER, 20 AMP	1
DESCRIPTION			GROUND CONTROL BOX	PART NO. CAA-207250-4



1284/0677

DESCRIPTION

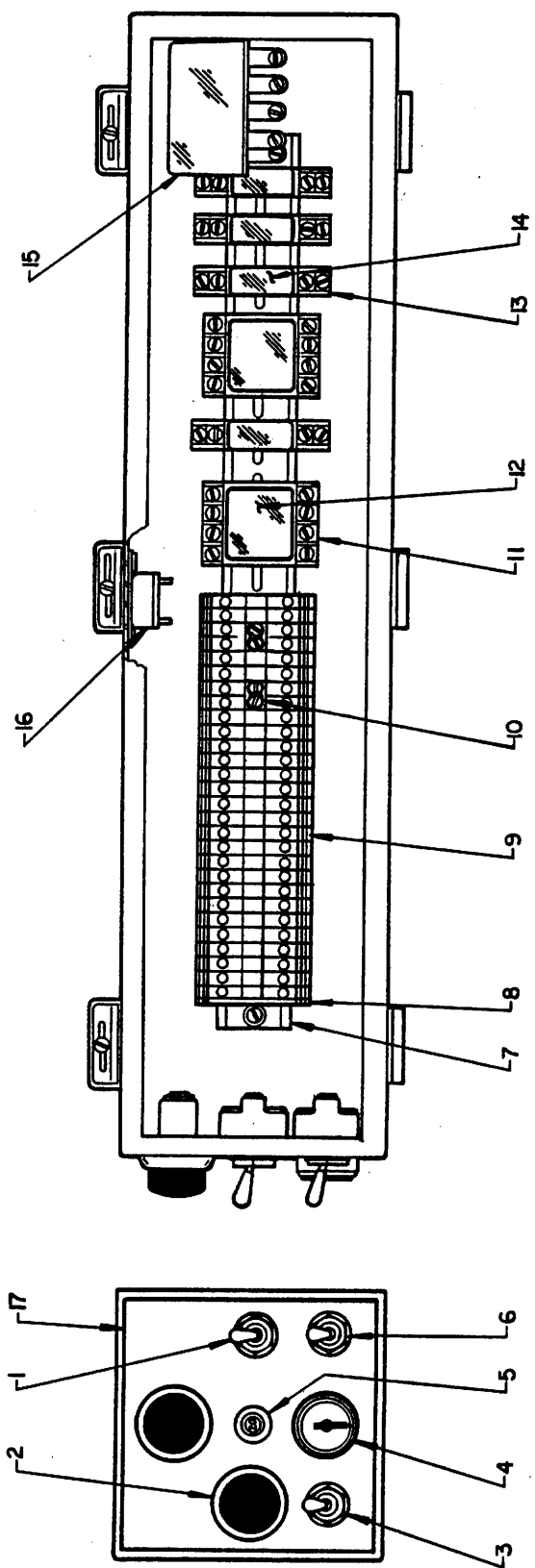
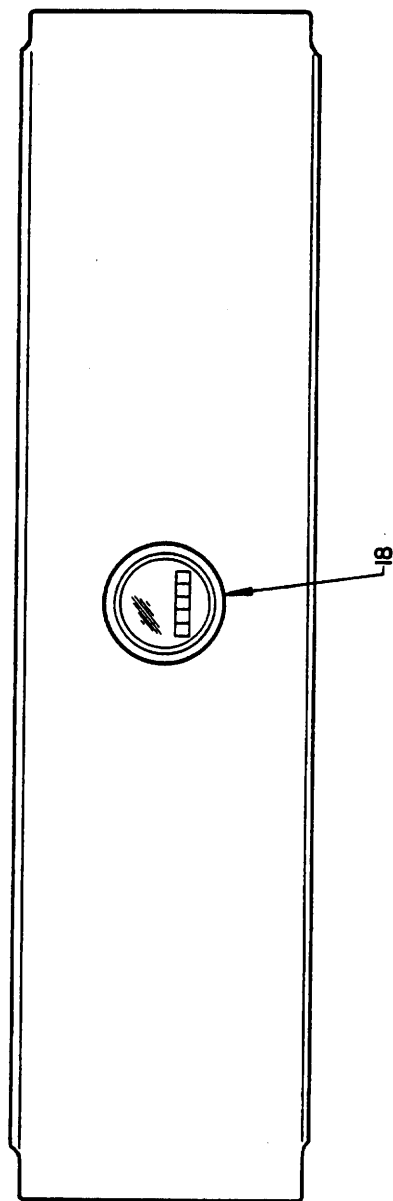
GROUND CONTROL BOX

PART NO.

CAA-207250-4

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020700		TOGGLE SWITCH, 4PDT (GROUND OVERRIDE)	1
2	03-020300		PUSH BUTTON (ENGINE START, EMG. POWER)	2
3	03-020400		TOGGLE SWITCH, SPST (IGNITION)	1
4	03-021000		KEYSWITCH	1
5	03-024000		CIRCUIT BREAKER, 20 AMP	1
6	03-020400		TOGGLE SWITCH, SPST (RPM)	1
7	03-051900		MOUNTING RAIL	14"
8	03-066100		END PLATE	1
9	03-066200		TERMINAL BLOCK	30
10	03-066300		JUMPER	2
11	03-051800		RELAY BASE	2
12	03-050100		CONTROL RELAY, DPDT	2
13	03-051600		RELAY BASE	4
14	03-051500		CONTROL RELAY	4
15	03-032100		CONTROL RELAY, TIME DELAY	1
16	03-024700		CIRCUIT BREAKER, 20 AMP	1
17	10-026000		DECAL	1
18	03-030500		HOURMETER	1
DESCRIPTION			PART NO.	
GROUND CONTROL BOX (DIESEL ENGINE)			CAA-207265-0	



0385/1184

DESCRIPTION

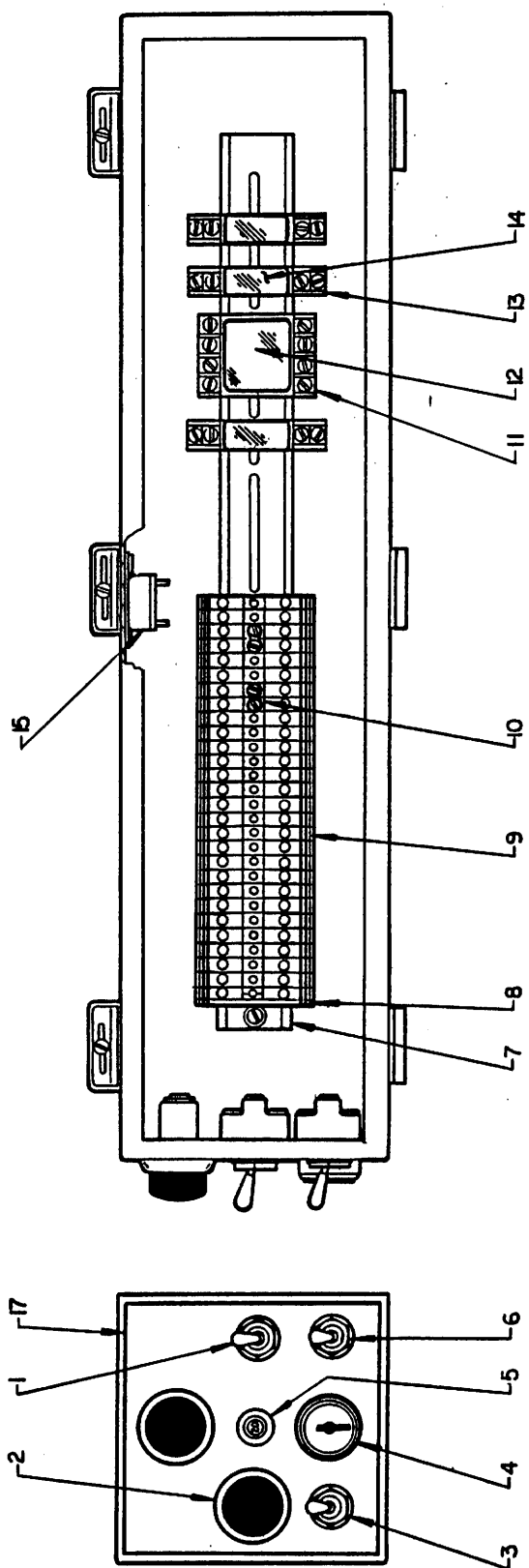
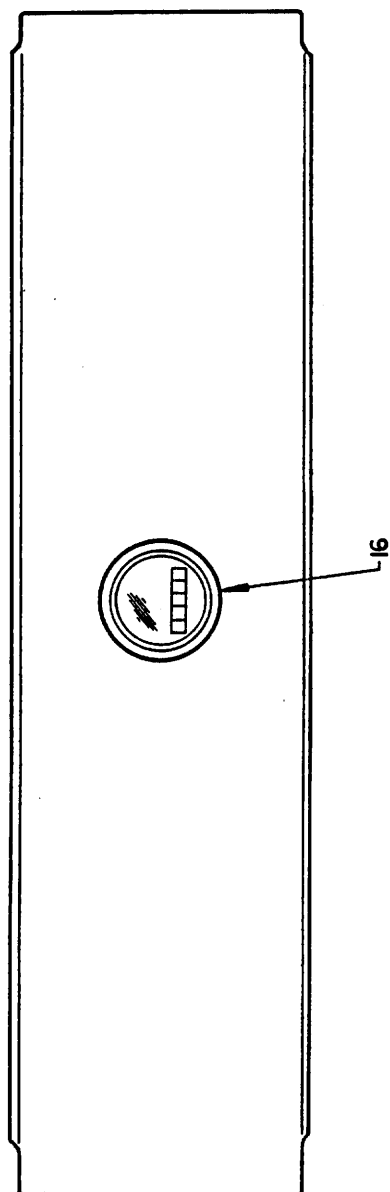
GROUND CONTROL BOX (DIESEL ENGINE)

PART NO.

CAA-207265-0

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020700		TOGGLE SWITCH, 4PDT (GROUND OVERRIDE)	1
2	03-020300		PUSH BUTTON (ENGINE START, EMG. POWER)	2
3	03-020400		TOGGLE SWITCH, SPST (IGNITION)	1
4	03-021000		KEYSWITCH	1
5	03-024000		CIRCUIT BREAKER, 20 AMP	1
6	03-020400		TOGGLE SWITCH, SPST (RPM)	1
7	03-051900		MOUNTING RAIL	14"
8	03-066100		END PLATE	1
9	03-066200		TERMINAL BLOCK	30
10	03-066300		JUMPER	2
11	03-051800		RELAY BASE	2
12	03-050100		CONTROL RELAY, DPDT	2
13	03-051600		RELAY BASE	4
14	03-051500		CONTROL RELAY	4
15	03-024700		CIRCUIT BREAKER, 20 AMP	1
16	03-030500		HOURLMETER	1
17	10-026000		DECAL	1
DESCRIPTION			PART NO.	
GROUND CONTROL BOX (GAS ENGINE)			CAA-208463-9	



0385/1184

DESCRIPTION

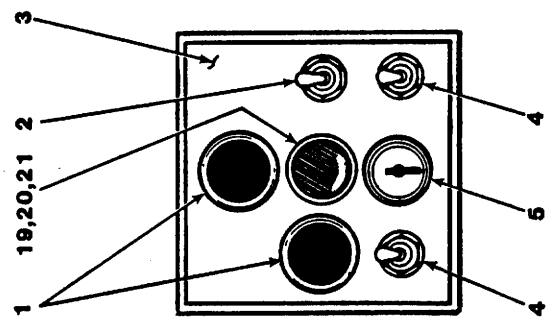
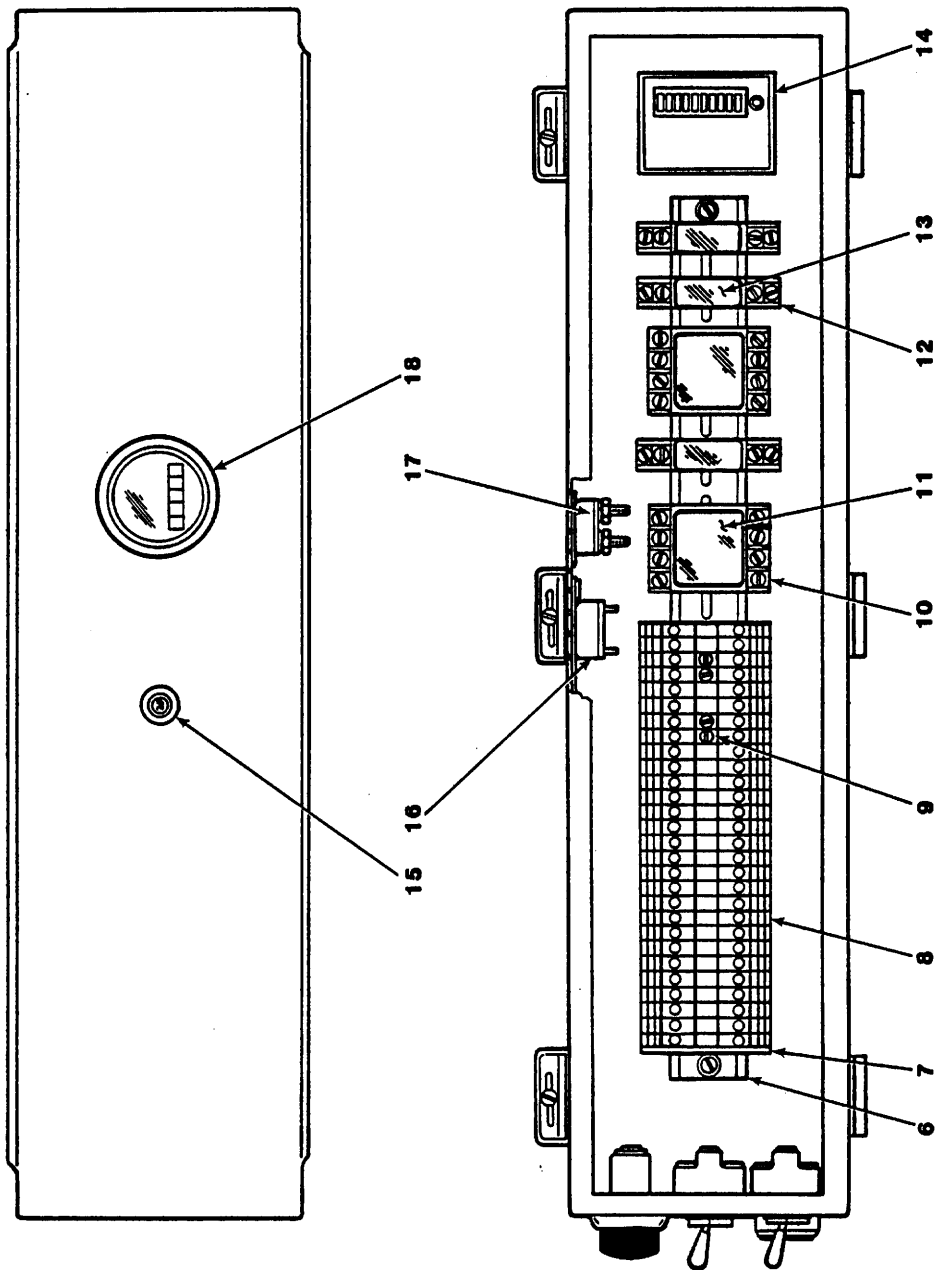
GROUND CONTROL BOX (GAS ENGINE)

PART NO.

CAA-208463-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020300		PUSH BUTTON (ENGINE START, EMG. POWER)	2
2	03-020700		TOGGLE SWITCH, 4PDT (GROUND OVERRIDE)	1
3	10-026000		DECAL	1
4	03-020400		TOGGLE SWITCH, SPST (IGNITION, RPM)	2
5	03-021000		KEYSWITCH	1
6	03-051900		MOUNTING RAIL	14"
7	03-066100		END PLATE	1
8	03-066200		TERMINAL BLOCK	30
9	03-066300		LINE JUMPER	2
10	03-051800		RELAY BASE	2
11	03-050100		CONTROL RELAY, DPDT	2
12	03-051600		RELAY BASE	3
13	03-051500		CONTROL RELAY, SPST	3
14	03-052800		CONTROL RELAY, TIME DELAY	1
15	03-024000		CIRCUIT BREAKER, 20 AMP	1
16	03-024700		CIRCUIT BREAKER, 20 AMP	1
17	03-024100		CIRCUIT BREAKER, 10 AMP	1
18	03-030500		HOURLMETER	1
19	03-402500		CHOKE SWITCH, DPST	1
20	03-402600		BEZEL, CHOKE SWITCH OPERATOR	1
21	03-402800		SWITCH OPERATOR, CHOKE	1
DESCRIPTION			PART NO.	
GROUND CONTROL BOX				



0586/0486

DESCRIPTION

GROUND CONTROL BOX

PART NO.

PARTS LIST

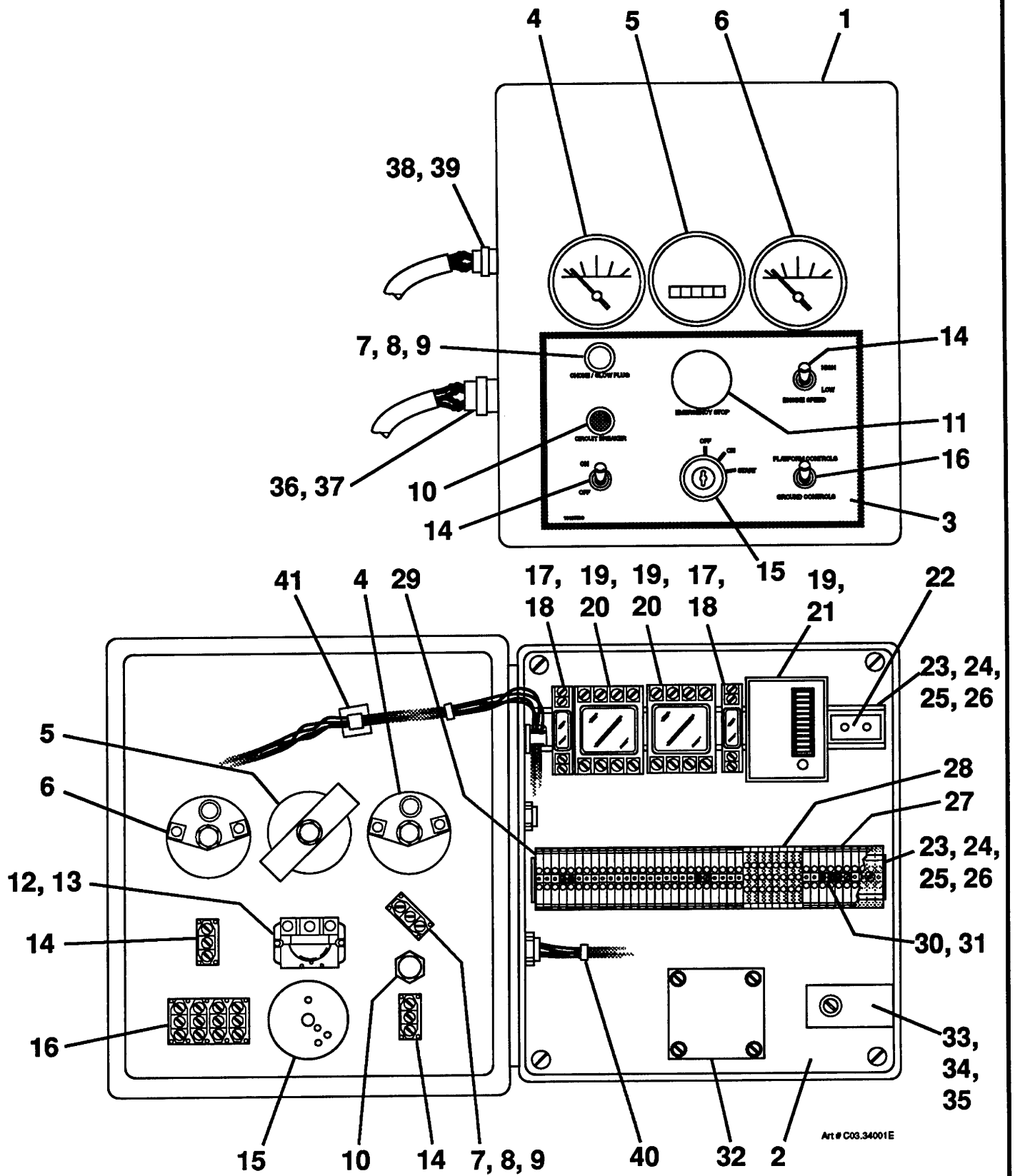
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This control box assembly for MP 80 and smaller with "Type 2" Electro-Proportional control system.	
1	2196520		BOX, GROUND CONTROL (Drilled. Includes cover) [12" (305 mm) x 14" (356 mm) x 6" (152 mm) deep]	1
2	2196530		SUBPLATE, MOUNTING	1
3	10-137500		DECAL, GROUND CONTROL	1
4	03-492200		METER, VOLTAGE	1
5	03-492300		METER, HOUR	1
6	03-492400		GAUGE, ENGINE OIL PRESSURE	1
7	03-402500		SWITCH, PUSH BUTTON (Choke/ Glow plug) (10 Amp, 250 Volt AC)	1
8	03-402600		BEZEL, PUSH BUTTON SWITCH	1
9	03-402800		BUTTON, PUSH (Blue)	1
10	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
11	03-409800		BUTTON, EMERGENCY STOP	1
12	03-454900		BASE, SWITCH MOUNTING	1
13	03-437300		BLOCK, CONTACT (normally closed)	1
14	03-020400		SWITCH, TOGGLE ("Engine speed" and "Ignition On/ Off") (2 position, maintained contact, single pole, single throw)	2
15	03-489800		SWITCH, KEY OPERATED (3 position. Includes 2 keys)	1
16	03-020700		SWITCH, TOGGLE (Ground/ Platform selector) (2 position, 4 contact, 2 pole, single throw)	1
17	03-051600		SOCKET, RELAY (Single pole, snap mount)	2
18	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	2
19	03-037500		SOCKET, RELAY (Double pole, snap mount)	3
20	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	2
21	03-052800		RELAY, TIME DELAY (.1 to 102.3 second, 12 Volt DC)	1
22	03-024700		BREAKER, CIRCUIT (20 Amp, thermal reset)	1
23	03-051700		RAIL, TERMINAL [1M (39.37") long section] [11" (283 mm) long piece needed for this application]	2
24	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	4
25	07-050007		NUT, HEX LOCK (#6-32, Grade 5)	4
26	07-062009		WASHER, FLAT (#8)	4
27	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	36
28	03-039100		BLOCK, TERMINAL (Grounding, for #12 Gauge wire)	8
29	03-066100		PLATE, TERMINAL BLOCK END	1
30	03-066300		JUMPER, LINE (Double)	4
31	03-067500		JUMPER, LINE (Triple)	1

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO. C03.34 **SIMON AERIALS INC.**

NEW 28 APR., 1992

PART NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 28 APR., 1992

PART
NO.

PLATE
NO. **C03.34**

PARTS LIST

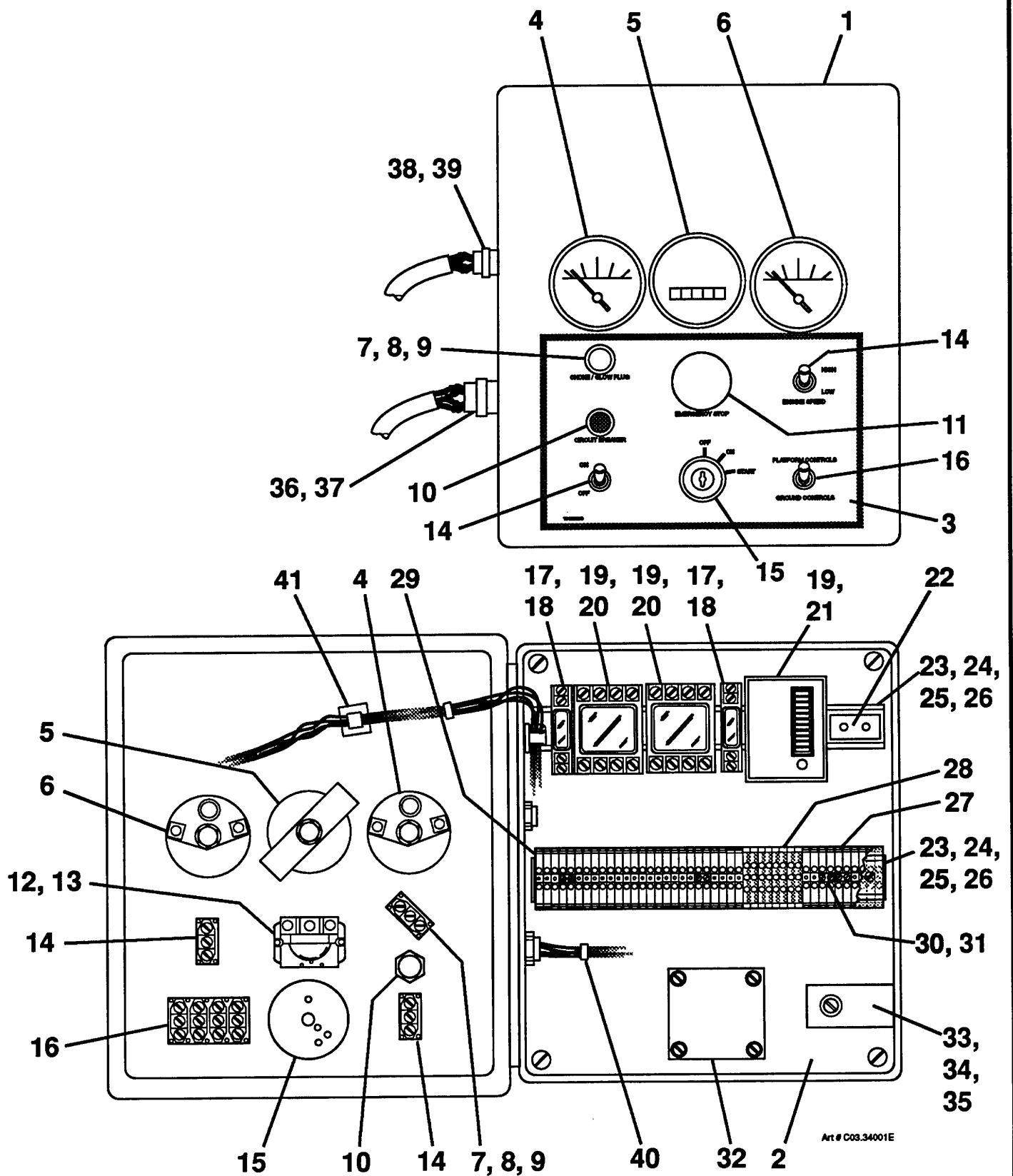
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	03-481600		MODULE, CONTROL (Low speed drive, nameplate marked "MC 31000036")	1
33	03-027231		POTENTIOMETER (10 K Ohm)	1
34	03-044900		LOCK, SHAFT	1
35	2196540		BRACKET, POTENTIOMETER MOUNTING	1
36	03-063200		GRIP, CORD (3/4")	3
37	03-055600		NUT, CONDUIT (3/4")	3
38	03-041000		GRIP, CORD (1/2")	3
39	03-055500		NUT, CONDUIT (1/2")	3
40	03-064000		TIE, CABLE	A.R.
41	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
			The following hardware items are used in making electrical connections in ground control boxes:	
42	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	A.R.
43	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	A.R.
44	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	A.R.
45	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	A.R.
46	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	A.R.
47	03-098400		TERMINAL, END (Blue, #14-16 AWG)	A.R.
48	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	A.R.
49	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	A.R.
50	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	A.R.
51	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	A.R.
52	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	A.R.
53	03-095900		TERMINAL, RING (Red, #8 stud)	A.R.
54	03-066800		LOOM, WIRE (1/2")	A.R.
55	03-066900		LOOM, WIRE (3/4")	A.R.
56	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	A.R.
57	03-403800		DIODE	A.R.

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

PLATE NO. C03.34 **SIMON AERIALS INC.**

NEW 28 APR., 1992

PART
NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 28 APR., 1992

PART
NO.

PLATE
NO. **C03.34**

PARTS LIST

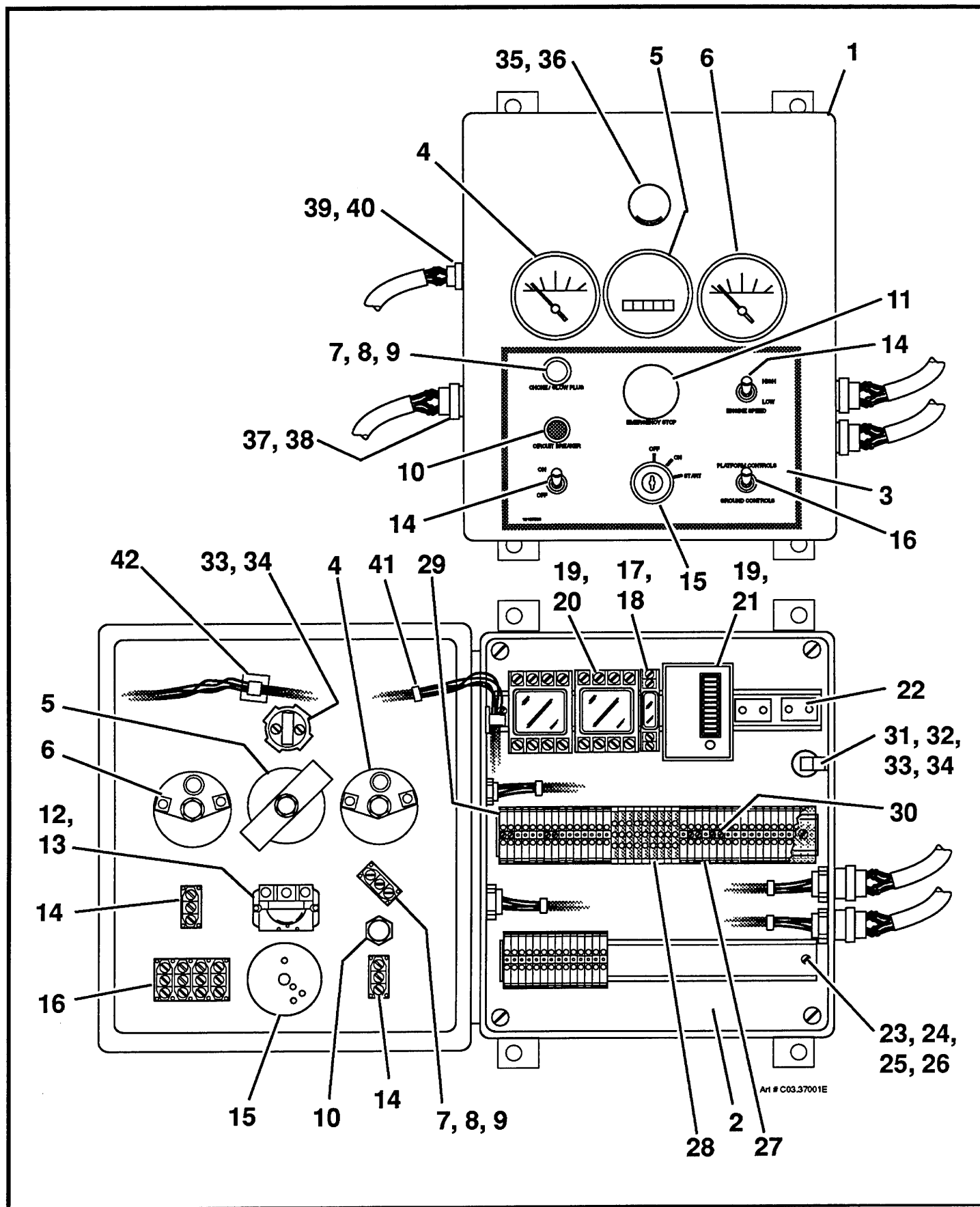
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This control box assembly for MP 80 and smaller with "Type 1" Electro-Proportional control system:	
1	2196520		BOX, GROUND CONTROL (Drilled. Includes cover) [12" (305 mm) x 14" (356 mm) x 6" (152 mm) deep]	1
2	2196530		SUBPLATE, MOUNTING	1
3	10-137500		DECAL, GROUND CONTROL	1
4	03-492200		METER, VOLTAGE	1
5	03-492300		METER, HOUR	1
6	03-492400		GAUGE, ENGINE OIL PRESSURE	1
7	03-402500		SWITCH, PUSH BUTTON (Choke/ Glow plug) (10 Amp, 250 Volt AC)	1
8	03-402600		BEZEL, PUSH BUTTON SWITCH	1
9	03-402800		BUTTON, PUSH (Blue)	1
10	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
11	03-409800		BUTTON, EMERGENCY STOP (Red, "Twist to release" type)	1
12	03-454900		BASE, SWITCH MOUNTING	1
13	03-437300		BLOCK, CONTACT (normally closed)	1
14	03-020400		SWITCH, TOGGLE ("Engine speed" and "Ignition On/ Off") (2 position, maintained contact, single pole, single throw)	2
15	03-489800		SWITCH, KEY OPERATED (3 position. Includes 2 keys)	1
16	03-020700		SWITCH, TOGGLE (Ground/ Platform selector) (2 position, 4 contact, 2 pole, single throw)	1
17	03-051600		SOCKET, RELAY (Single pole, snap mount)	1
18	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	1
19	03-037500		SOCKET, RELAY (Double pole, snap mount)	3
20	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	2
21	03-052800		RELAY, TIME DELAY (.1 to 102.3 second, 12 Volt DC)	1
22	03-024700		BREAKER, CIRCUIT (20 Amp, thermal reset)	2
23	03-051700		RAIL, TERMINAL [1M (39.37") long section] [11" (283 mm) long piece needed for this application]	3
24	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	7
25	07-050007		NUT, HEX LOCK (#6-32, Grade 5)	7
26	07-062009		WASHER, FLAT (#8)	7
27	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	47
28	03-039100		BLOCK, TERMINAL (Grounding, for #12 Gauge wire)	9
29	03-066100		PLATE, TERMINAL BLOCK END	2
30	03-066300		JUMPER, LINE (Double)	4

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO. **C03.37** **SIMON AERIALS INC.**

NEW 13 DEC., 1993

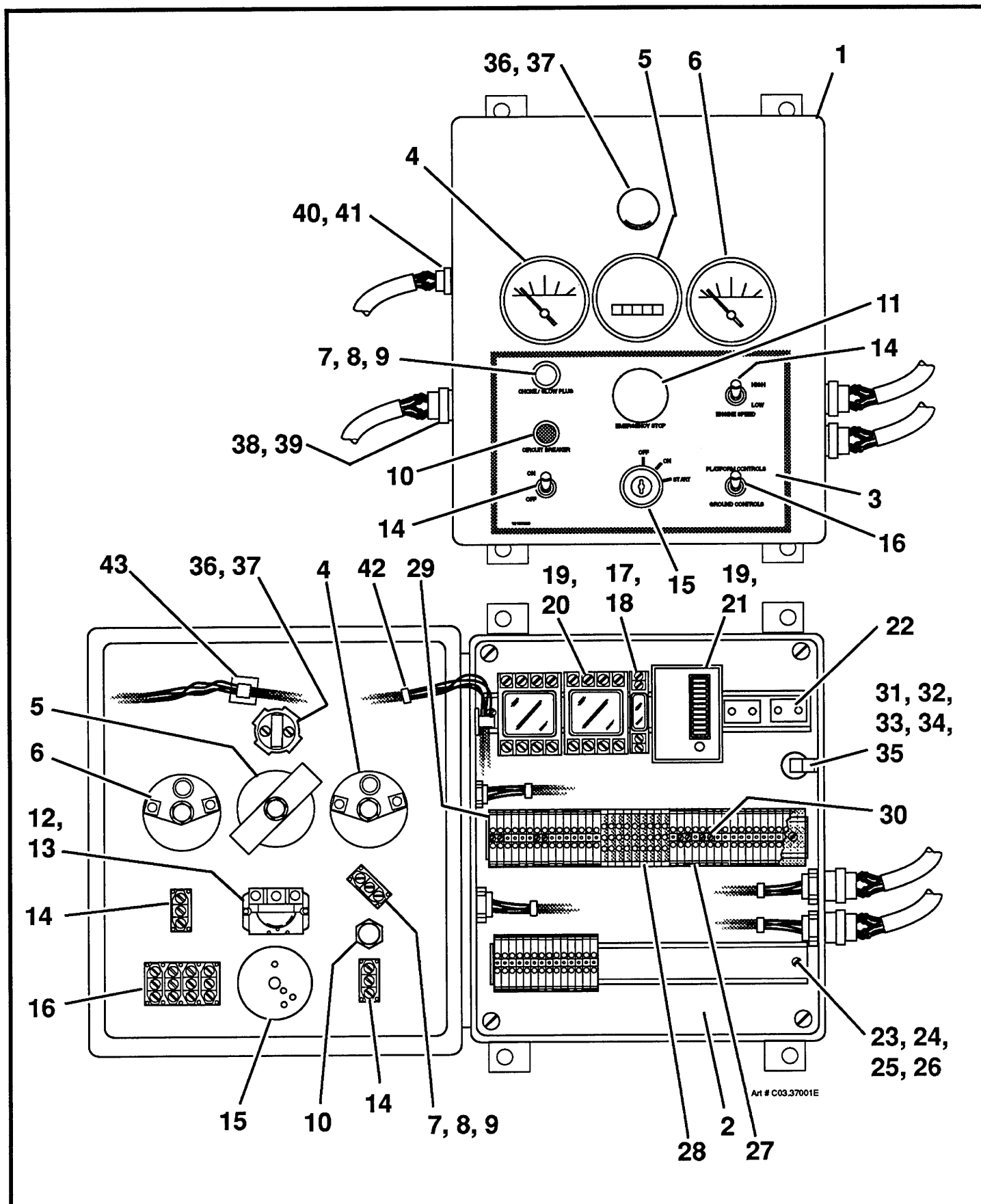
PART NO.



Art # C03.37001E

TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC.	NEW 13 DEC., 1993	PART NO.	PLATE NO. C03.37

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	03-480600		RESISTOR (15 Ohm max., 25 Watt)	1
32	03-480700		BRACKET, RESISTOR MOUNTING	2
33	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	2
34	07-050007		NUT, HEX LOCK (#6-32, Grade 5)	2
35	07-062009		WASHER, FLAT (#8)	2
36	03-038800		LAMP, CONTROL PANEL (hooded) (option)	1
37	03-418600		BULB, PANEL LAMP (12 Volt, #68)	1
38	03-063200		GRIP, CORD (3/4")	5
39	03-055600		NUT, CONDUIT (3/4")	5
40	03-041000		GRIP, CORD (1/2")	1
41	03-055500		NUT, CONDUIT (1/2")	1
42	03-064000		TIE, CABLE	A.R.
43	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
			The following hardware items are typically used in making electrical connections in ground control boxes:	
44	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	A.R.
45	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	A.R.
46	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	A.R.
47	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	A.R.
48	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	A.R.
49	03-098400		TERMINAL, END (Blue, #14-16 AWG)	A.R.
50	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	A.R.
51	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	A.R.
52	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	A.R.
53	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	A.R.
54	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	A.R.
55	03-095900		TERMINAL, RING (Red, #8 stud)	A.R.
56	03-066800		LOOM, WIRE (1/2")	A.R.
57	03-066900		LOOM, WIRE (3/4")	A.R.
58	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	A.R.
59	03-403800		DIODE	A.R.
60	03-447800		RESISTOR (10 Ohm, 12 Watt)	2
TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)				
PLATE NO.	C03.37	SIMON AERIALS INC.		PART NO.
		NEW 13 DEC., 1993		



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 13 DEC., 1993

PART
NO.

PLATE
NO.

C03.37

PARTS LIST

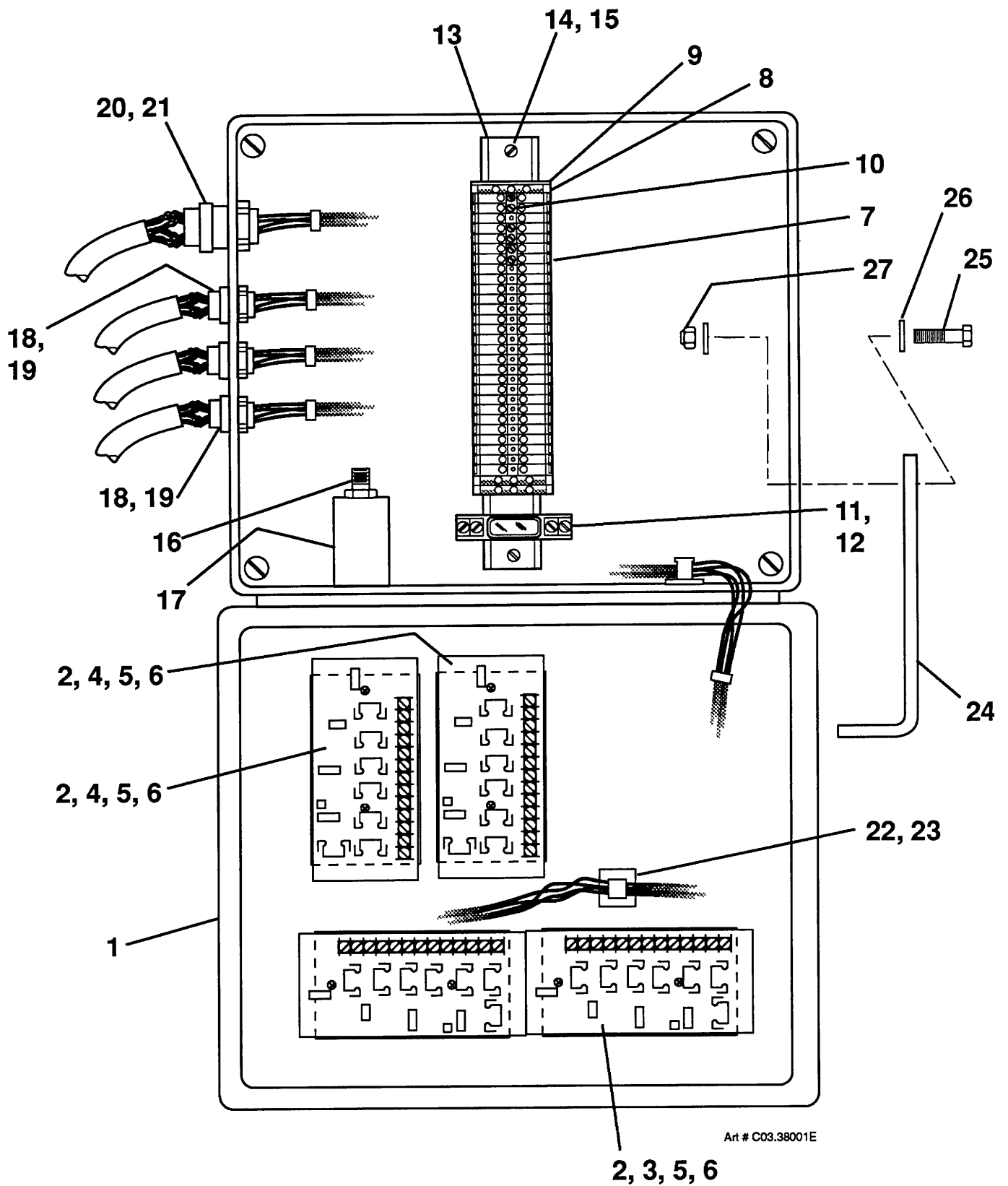
[illegible]

TITLE DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)

PLATE NO.	C03.38	SIMON AERIALS INC.
-----------	--------	--------------------

NEW 10 DEC., 1993

**PART
NO.**



TITLE

DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)

SIMON AERIALS INC.

NEW 10 DEC., 1993

PART
NO.

PLATE
NO. C03.38

PARTS LIST

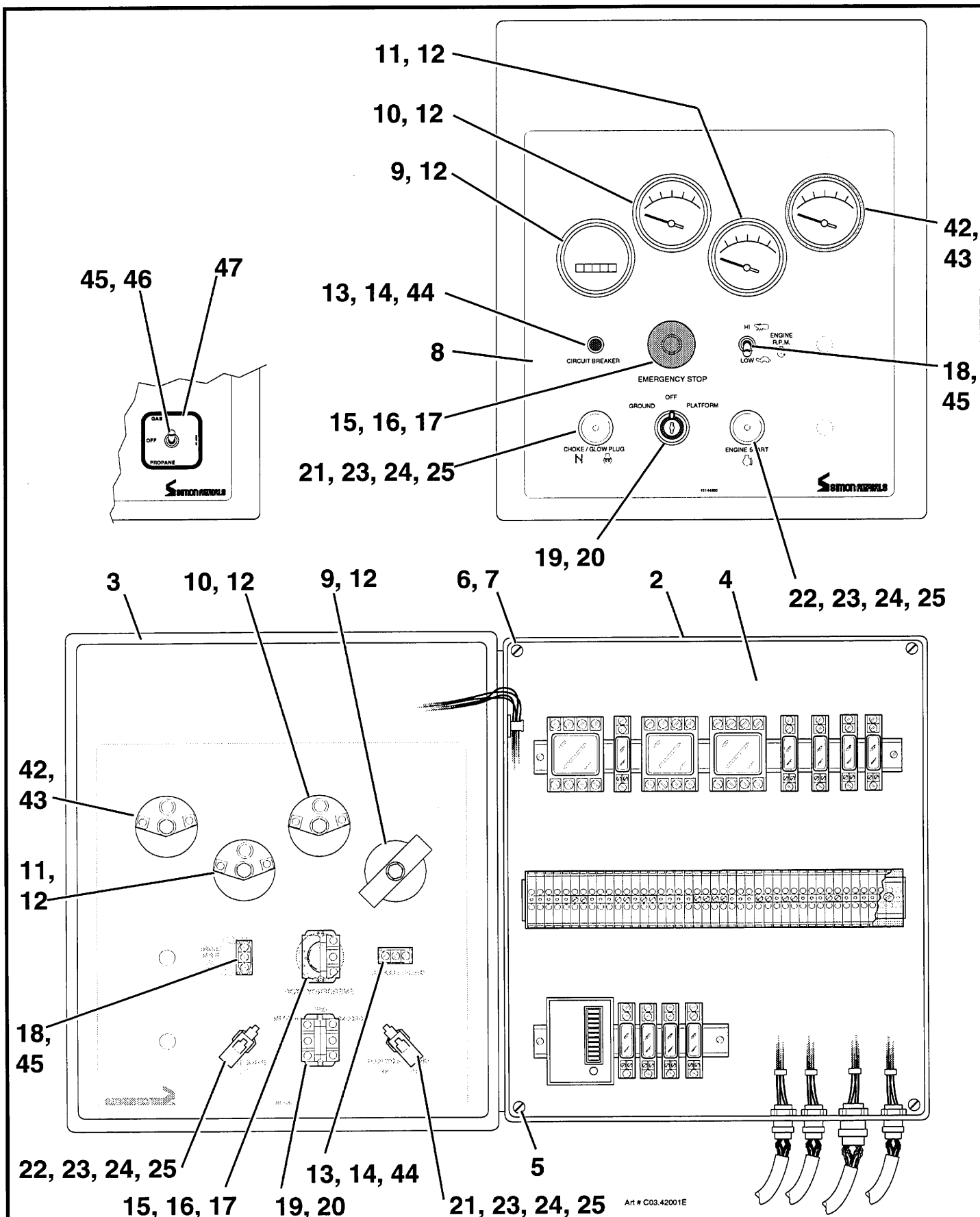
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 2870		GROUND CONTROL BOX ASSEMBLY	
	353 2870		MP 40 through MP 80, with Full Hydraulic control system	
	354 4310		MP 40 through MP 80, with Hydraport control system	
2	231 0430		MP 70, Special application	
			BOX, GROUND CONTROL (Drilled. Includes cover)	
			(12-1/4" x 14-1/4" x 6" deep [311 x 362 x 152 mm])	1
3	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 ft roll.	
			5 ft [1.5 M] required this application)	A.R.
4	219 6530		SUB PLATE, MOUNTING	1
5	07-013411		MACHINE SCREW, ROUND HD (#10-32 x 5/16", Gr. 2)	2
6	07-013414		MACHINE SCREW, ROUND HD (#10-32 x 1/2", Grade 2)	2
7	07-117600		WASHER, EXTERNAL TOOTH (#10)	2
8	10-144300		DECAL, GROUND CONTROL	1
9	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
10	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
11			GAUGE, ENGINE OIL PRESSURE (12 Volt DC)	1
	03-492400		0 to 100 psi (690 kPa) (comes with Control Box Ass'y.)	
	03-496400		0 to 40 psi (276 kPa) (needed for some applications)	
12	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	3
13	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC,	
			push to reset)	1
14	01-037400		"O"-RING (.351" O.D., .072" thick)	1
15			BUTTON, EMERGENCY STOP	1
	03-496000		Silver and red, pull to reset (earlier version)	
	03-702000		Red, pull to reset (current version)	
16	03-454900		BASE, CONTACT BLOCK (for button 03-702000)	1
17			BLOCK, CONTACT (Normally closed)	1
	03-496300		for earlier button 03-496000	
	03-437300		for current button 03-702000	
18	03-020400		SWITCH, TOGGLE (Engine speed)	
			(2 position, maintained contact, single pole, single throw)	1
19	03-496100		SWITCH, KEY OPERATED (3 position) (includes 2 keys)	1
20	03-496200		BLOCK, CONTACT (Normally open)	2

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

PLATE NO. C03.42 **SIMON AERIALS INC.**

REV. 09 FEB., 1996

PART NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

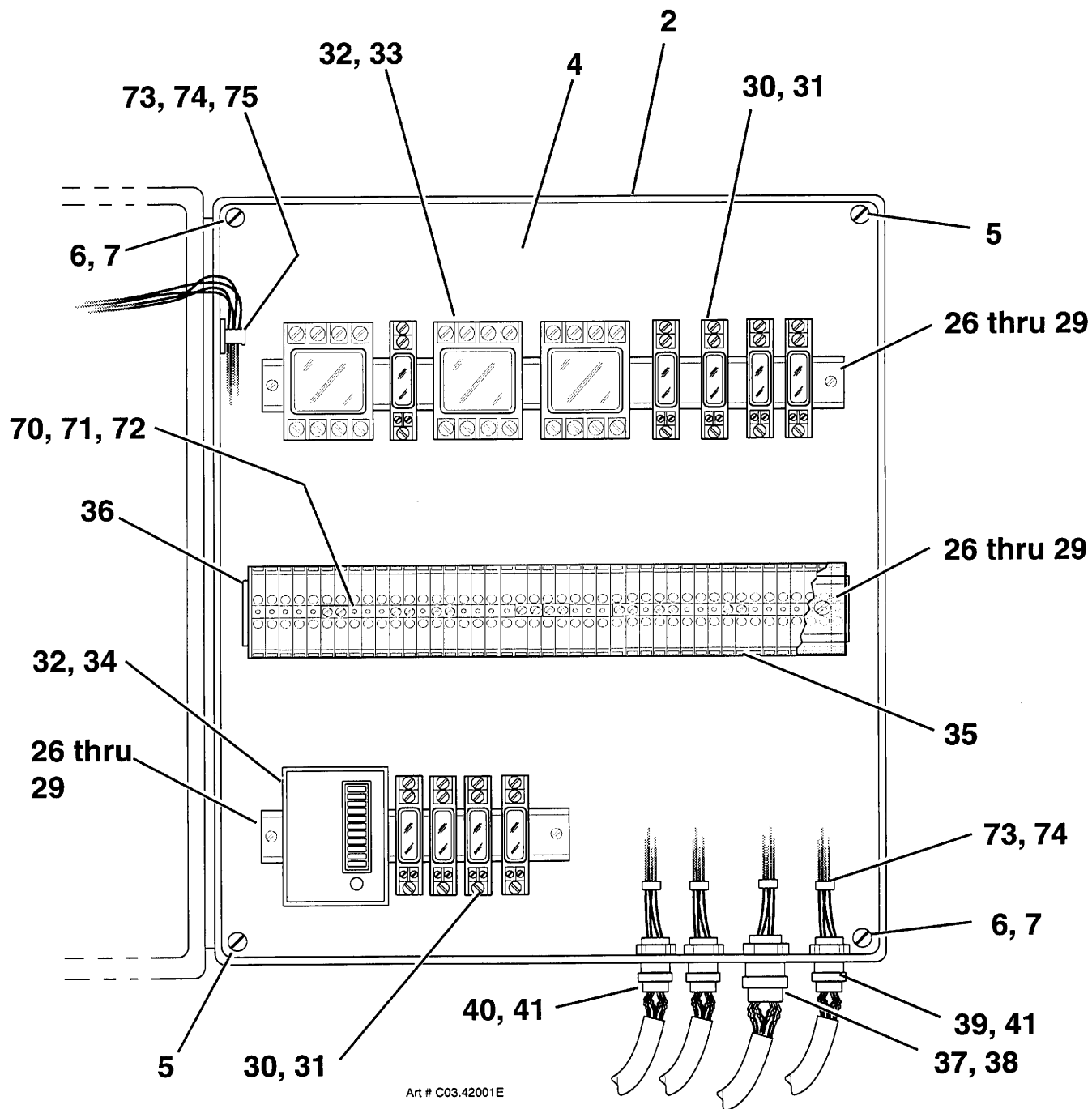
PLATE
NO. **C03.42**

[illegible]

PLATE NO. C03.42	SIMON AERIALS INC.	REV. 09 FEB., 1996	PART NO.
------------------	--------------------	--------------------	----------

REV. 09 FEB., 1996

**PART
NO.**



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.42

PARTS LIST

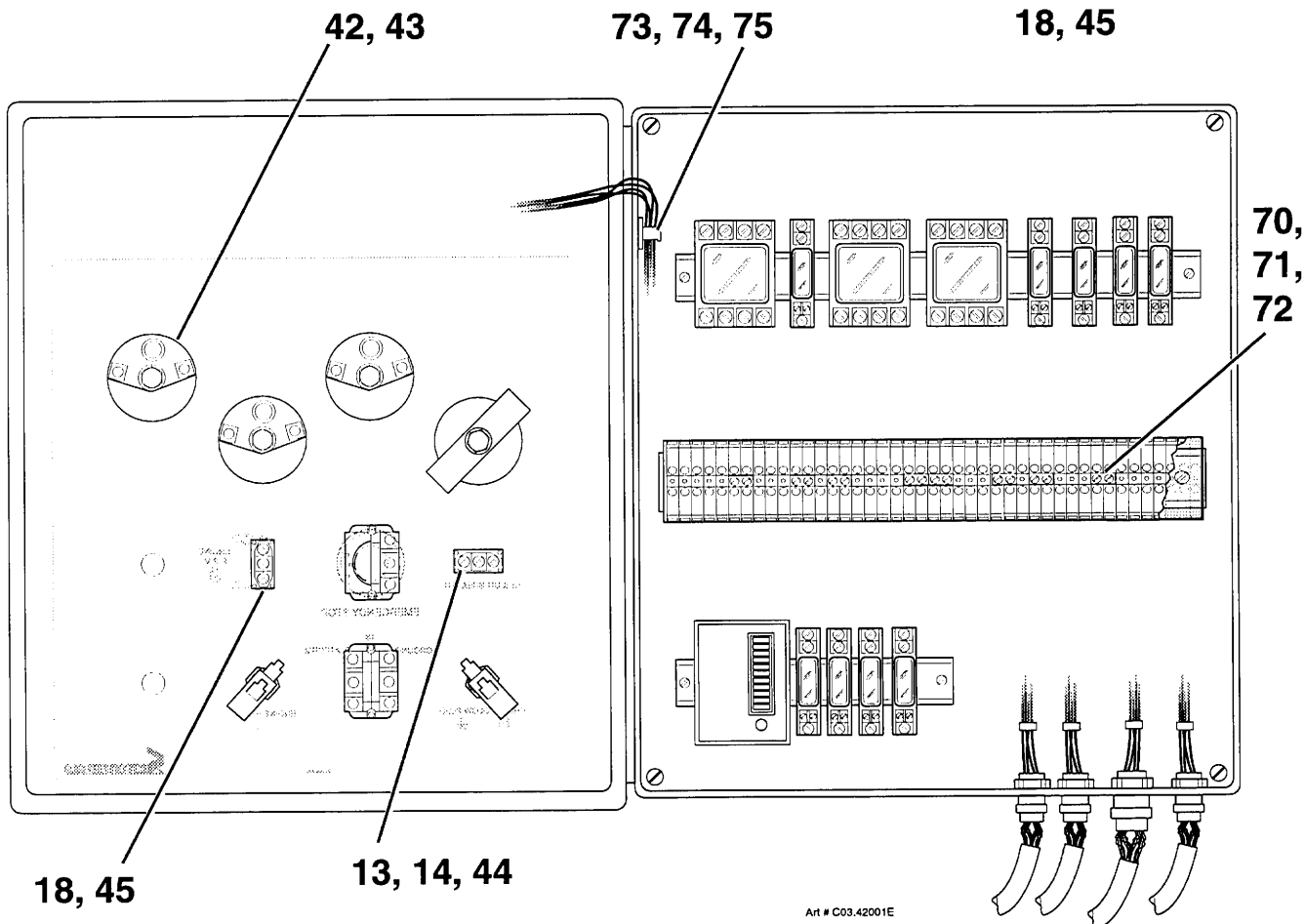
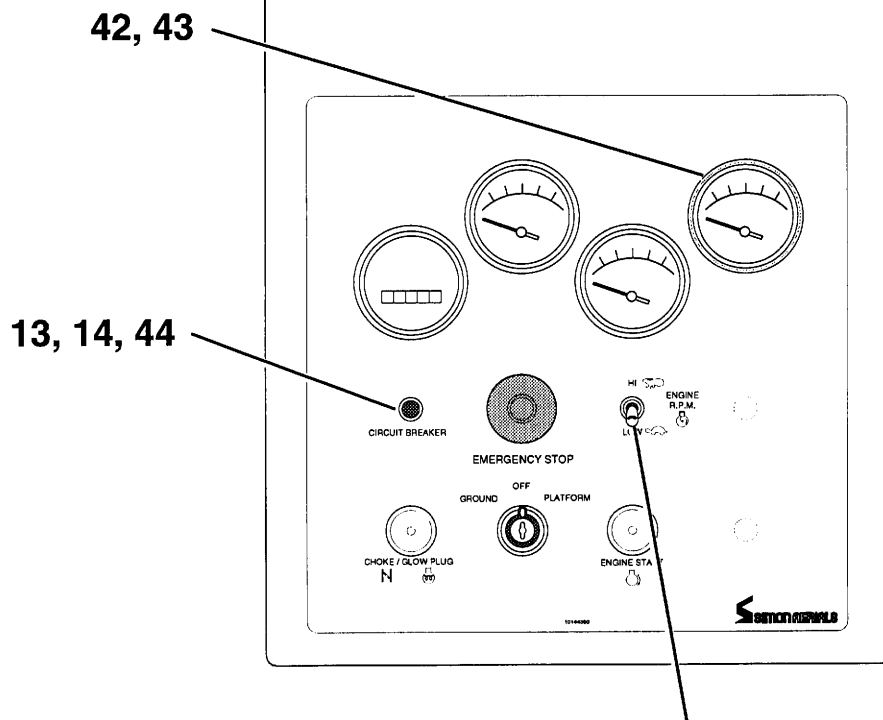
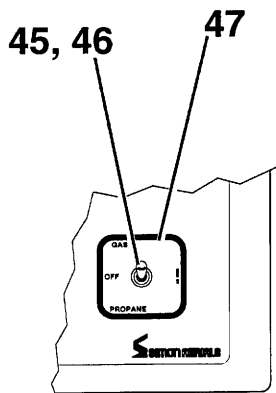
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Ground Control Box:	
42	03-493300		GAUGE, ENGINE COOLANT TEMPERATURE (optional with liquid cooled engines)	1
43	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	1
44	03-499800		SEAL, CIRCUIT BREAKER BUTTON (option)	1
45	03-506200		SEAL, TOGGLE SWITCH (option)	A.R.
46			SWITCH, TOGGLE (with "Dual Fuel" option)	1
47	10-016800		DECAL, "GAS/ OFF/ PROPANE" (with "Dual Fuel" option)	1
			The following hardware items, listed for your convenience, are typically used in Simon electrical control boxes:	
48	03-446100		CABLE, ELECTRICAL (10 conductor, #18 AWG)	
40	03-446800		CABLE, ELECTRICAL (10 conductor, #16 AWG)	
50	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG)	
51	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue, stranded)	
52	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
53	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded)	
54	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp)	
55	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	
56	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	
57	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	
58	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	
59	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	
60	03-098400		TERMINAL, END (Blue, #14-16 AWG)	
61	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	
62	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	
63	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	
64	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	
65	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	
66	03-095900		TERMINAL, RING (Red, #8 stud)	
67	03-066800		LOOM, WIRE (1/2")	
68	03-066900		LOOM, WIRE (3/4")	
69	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	
70	03-066300		BAR, JUMPER (2 pole) (Double line jumper)	
71	03-067500		BAR, JUMPER (3 pole) (Triple line jumper)	
72	03-707200		BAR, JUMPER (4 pole) (Quad line jumper)	
73	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	
74	03-064000		TIE, CABLE (7.4" [188 mm] long)	
75	03-064100		MOUNT, CABLE TIE (Adhesive backed)	

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)

PLATE NO. C03.42 **SIMON AERIALS INC.**

REV. 09 FEB., 1996

PART NO.



Art # C03.42001E

TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.42

PARTS LIST

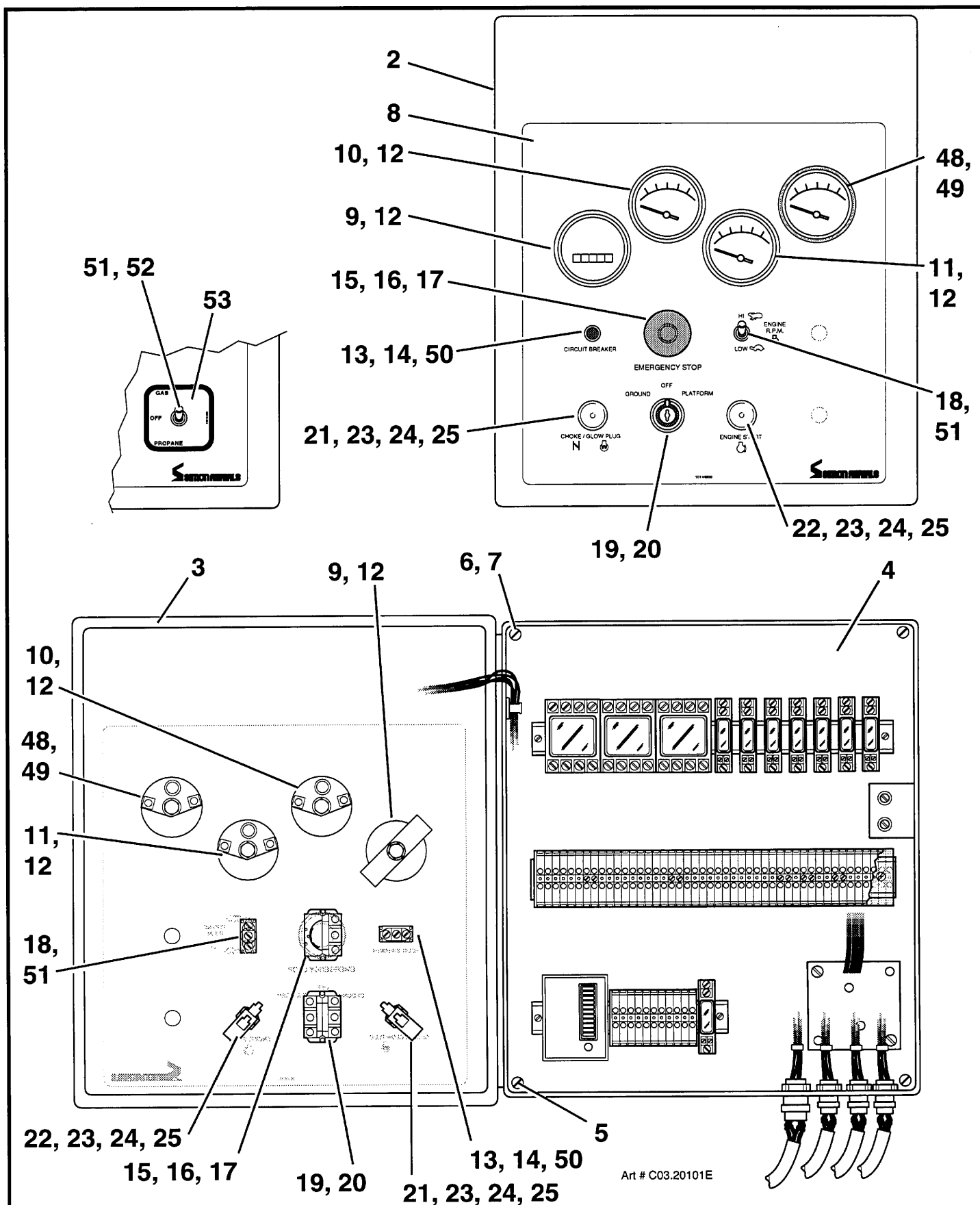
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5620 353 5621 353 5620		GROUND CONTROL BOX ASSEMBLY MP 40 thru MP 80 , with Electro-Proportional control system Model RP 46 Model RP 66	1
2	231 0430		BOX, GROUND CONTROL (Drilled. Includes cover) (12-1/4" x 14-1/4" x 6" deep [311 x 362 x 152 mm])	1
3	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 ft roll. 5 ft [1.5 M] required this application)	A.R.
4	219 6530		SUBPLATE, MOUNTING	1
5	07-013411		MACHINE SCREW, ROUND HD (#10-32 x 5/16", Gr. 2)	2
6	07-013414		MACHINE SCREW, ROUND HD (#10-32 x 1/2", Grade 2)	2
7	07-117600		WASHER, EXTERNAL TOOTH (#10)	2
8	10-144300		DECAL, GROUND CONTROL	1
9	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
10	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
11	03-492400 03-496400		GAUGE, ENGINE OIL PRESSURE (12 Volt DC) 0 to 100 psi (690 kPa) (comes with Control Box Ass'y.) 0 to 40 psi (276 kPa) (needed for some applications)	1
12	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	3
13	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
14	01-037400		"O"-RING (.351" I.D., .072" thick)	1
15	03-496000		BUTTON, EMERGENCY STOP Silver and red, pull to reset (earlier version)	1
	03-702000		Red, pull to reset (current version)	
16	03-454900		BASE, CONTACT BLOCK (for button 03-702000)	1
17			BLOCK, CONTACT (Normally closed)	1
	03-496300		for earlier button 03-496000	
	03-437300		for current button 03-702000	
18	03-020400		SWITCH, TOGGLE (Engine speed) (for Ass'y. 353 5620) (2 position, maintained contact, single pole, single throw)	1
	03-497900		PLUG, PLASTIC (for Assembly 353 5621) (1/2" dia., "Panel Seal", to fill unused toggle switch hole)	1
19	03-496100		SWITCH, KEY OPERATED (3 position) (includes 2 keys)	1
20	03-496200		BLOCK, CONTACT (Normally open)	2

TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 1 OF 3)

PLATE NO. C03.201 **SIMON AERIALS INC.**

REV. 09 FEB., 1996

PART NO.



TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.201

PARTS LIST

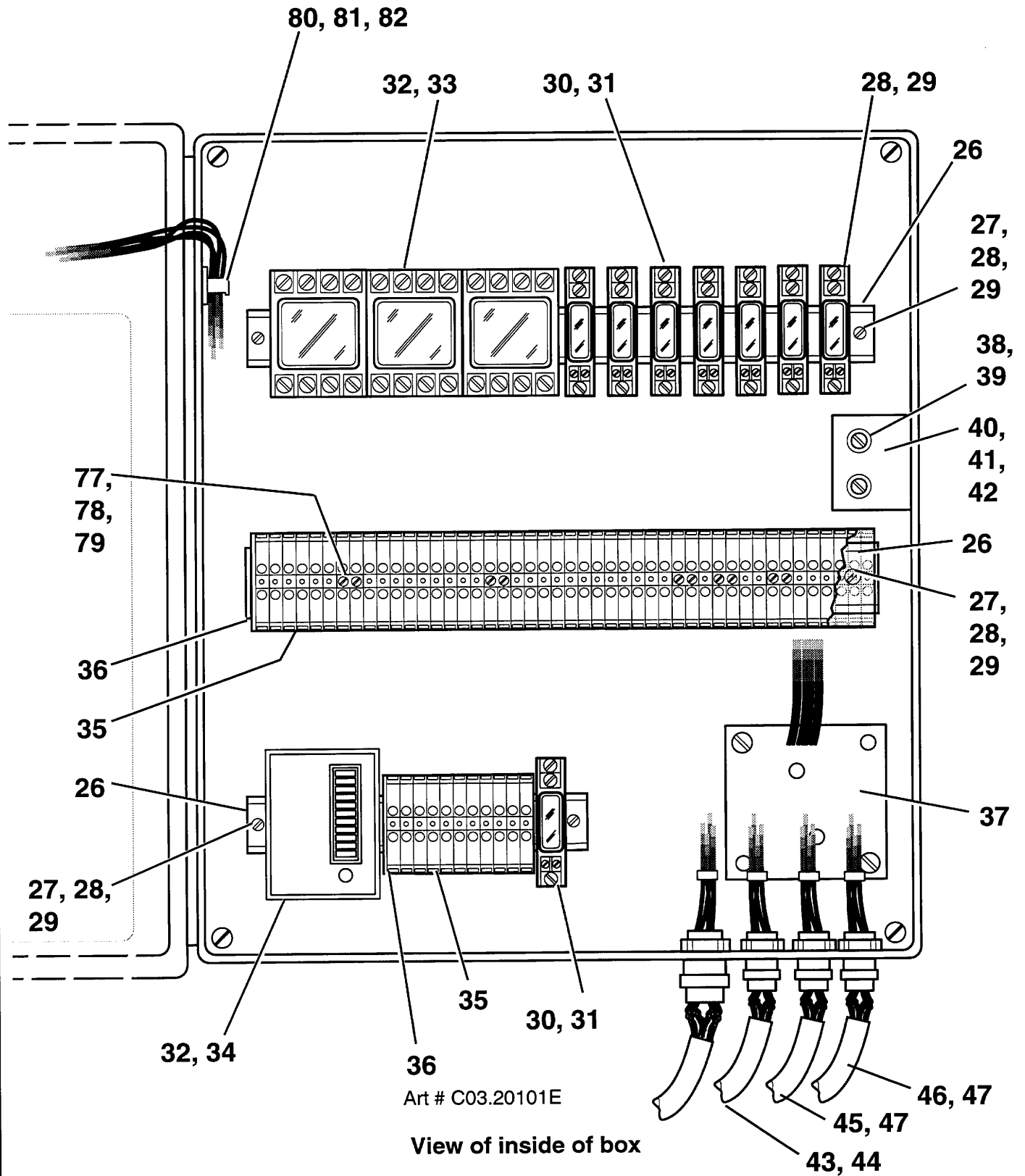
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	03-402500		GROUND CONTROL BOX ASSEMBLY (continued) SWITCH, PUSH BUTTON (10 Amp, 250 Volt AC) (Choke/ Glow Plug) (comes with Control Box Ass'y.)	1
	03-497900		PLUG, PLASTIC (for versions with Deutz Diesel engine) (1/2" dia., "Panel Seal", to fill unused toggle switch hole)	1
22	03-402500		SWITCH, PUSH BUTTON (10 A, 250 V AC) (Engine start)	1
23	03-402800		BUTTON, PUSH (Blue) (Choke/ Glow plug) (Engine start) (Some earlier versions used Red [03-402700] or Green [03-402900] push buttons. Order 03-402800.)	A.R.
24	03-402600		SEAL, SWITCH BEZEL	A.R.
25	10-151000		CAP, VINYL (Black)	A.R.
26	03-051700		RAIL, TERMINAL (1M [39.37"] long section. Cut to fit)	A.R.
27	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	6
28	07-050007		NUT, HEX LOCK (#6-32, Grade 5)	6
29	07-062009		WASHER, FLAT (#8)	6
30	03-051600		SOCKET, RELAY (Single pole, snap mount)	7
31	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	7
32	03-037500		SOCKET, RELAY (Double pole, snap mount)	4
33	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	3
34	03-052800		RELAY, TIME DELAY (.1 to 102.3 second, 12 Volt DC)	1
35	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	57
36	03-066100		PLATE, TERMINAL BLOCK END	2
37	03-481600		MODULE, CONTROL (Marked "MC 31000036". Controls low speed drive from ground.)	1
38	03-027231		POTENTIOMETER (10 K Ohm)	2
39	03-044900		LOCK, SHAFT	2
40	232 3870		BRACKET, POTENTIOMETER MOUNTING	1
41	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", Stainless steel)	1
42	07-065014		WASHER, HELICAL LOCK (1/4")	1
43	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	4
44	03-055600		NUT, CONDUIT (3/4")	4
45	03-041000		GRIP, CORD (1/2", .with 38" to .44" seal)	1
46	03-045500		GRIP, CORD (1/2", .with 31" to .38" seal)	2
47	03-055500		NUT, CONDUIT (1/2")	3

TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 2 OF 3)

PLATE NO. C03.201 **SIMON AERIALS INC.**

REV. 09 FEB., 1996

PART NO.



TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.201

PARTS LIST

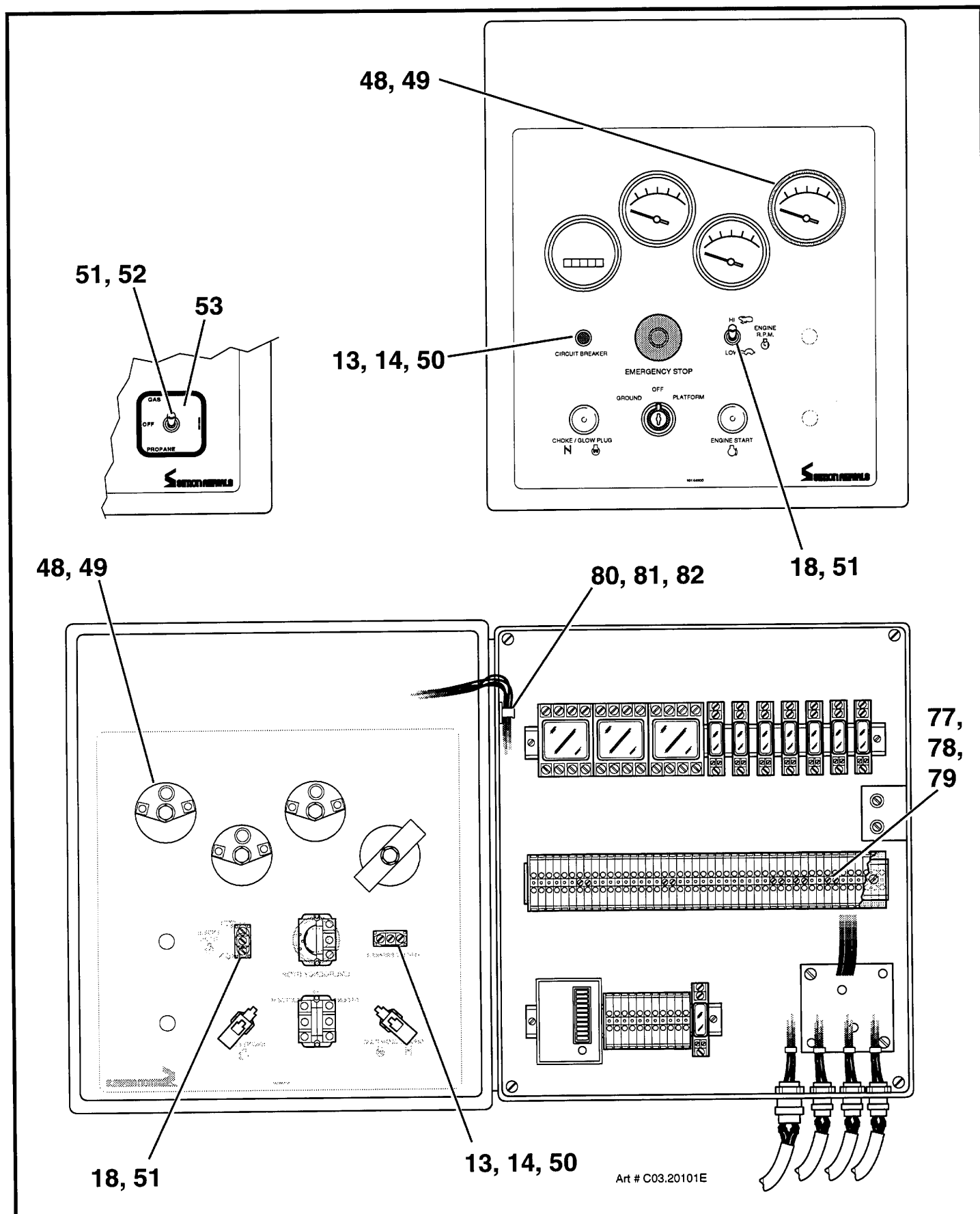
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Ground Control Box:	
48	03-493300		GAUGE, ENGINE COOLANT TEMPERATURE (optional with liquid cooled engines)	1
49	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	1
50	03-499800		SEAL, CIRCUIT BREAKER BUTTON (option)	1
51	03-506200		SEAL, TOGGLE SWITCH (option)	A.R.
52			SWITCH, TOGGLE (with "Dual Fuel" option)	1
53	10-016800		DECAL, "GAS/ OFF/ PROPANE" (with "Dual Fuel" option)	1
			The following hardware items, listed for your convenience, are typically used in Simon electrical control boxes:	
54	03-446100		CABLE, ELECTRICAL (10 conductor, #18 AWG)	
55	03-446800		CABLE, ELECTRICAL (10 conductor, #16 AWG)	
56	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG)	
57	03-488900		CABLE, ELECTRICAL (Type F 570, 24 conductor, #16 AWG)	
58	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue, stranded)	
59	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
60	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded)	
61	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp)	
62	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	
63	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	
64	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	
65	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	
66	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	
67	03-098400		TERMINAL, END (Blue, #14-16 AWG)	
68	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	
69	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	
70	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	
71	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	
72	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	
73	03-095900		TERMINAL, RING (Red, #8 stud)	
74	03-066800		LOOM, WIRE (1/2")	
75	03-066900		LOOM, WIRE (3/4")	
76	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	
77	03-066300		BAR, JUMPER (2 pole) (Double line jumper)	
78	03-067500		BAR, JUMPER (3 pole) (Triple line jumper)	
79	03-707200		BAR, JUMPER (4 pole) (Quad line jumper)	
80	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	
81	03-064000		TIE, CABLE (7.4" [188 mm] long)	
82	03-064100		MOUNT, CABLE TIE (Adhesive backed)	

TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 3 OF 3)

PLATE NO. C03.201 **SIMON AERIALS INC.**

REV. 09 FEB., 1996

PART NO.



TITLE GROUND CONTROL BOX ASSEMBLY, MP, RP 46, RP 66 (PLATE 3 OF 3)

SIMON AERIALS INC.

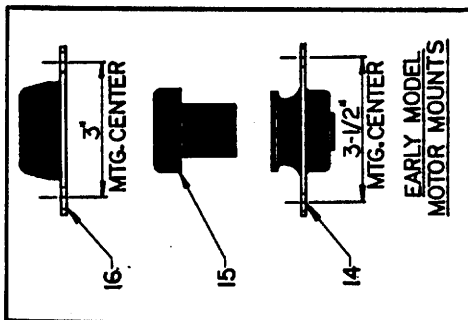
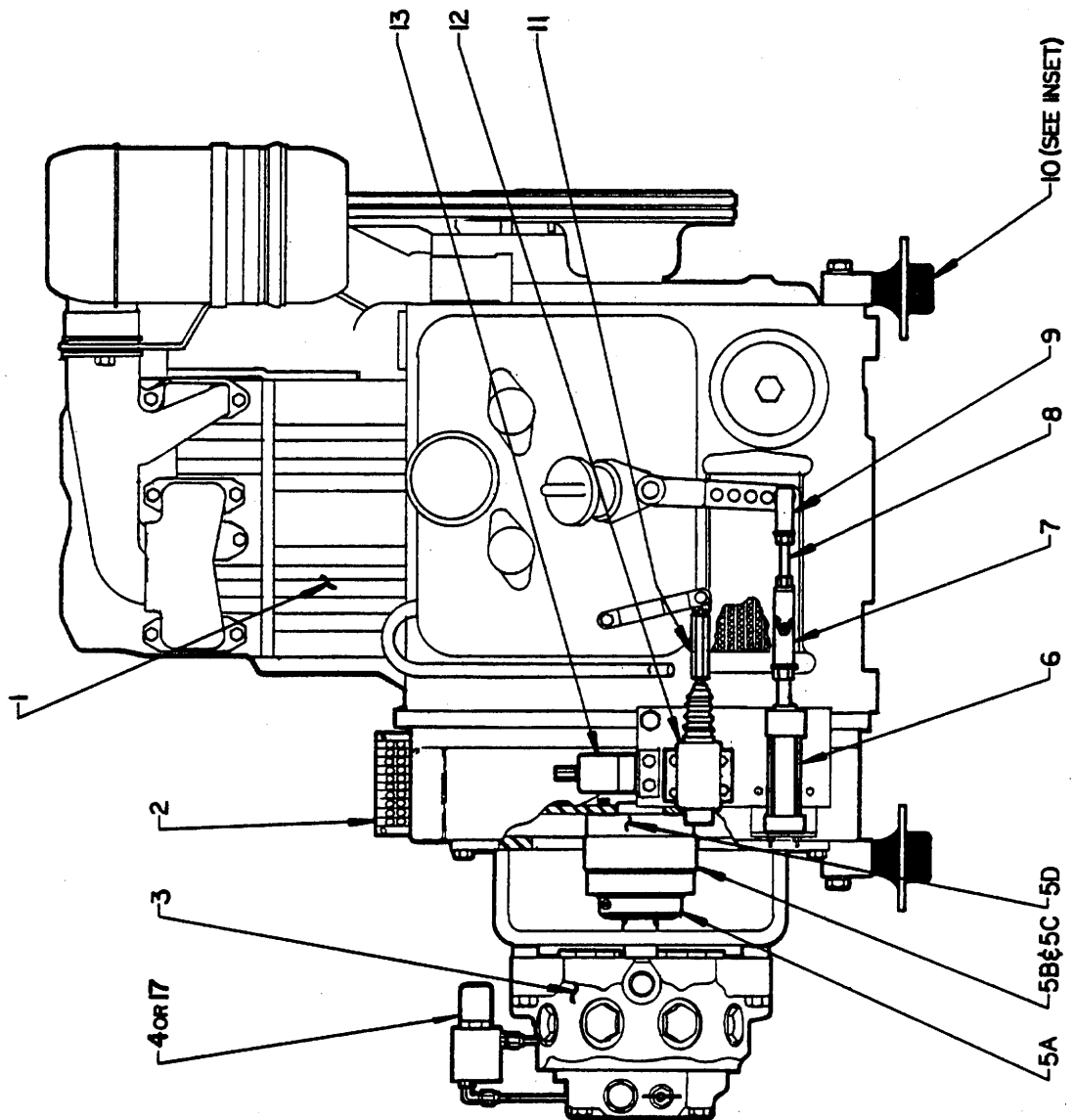
REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.201

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-000400	D8	DIESEL ENGINE (DEUTZ MODEL #F2L912)	1
2	09-000409		TERMINAL BLOCK	1
3	SEE INDEX		HYDRAULIC PUMP	1
4	01-034400		SOLENOID VALVE W/BLOCK (PUMP UNLOADING)	1
5	02-008500		COUPLING (COMPLETE)	1
5A	02-003501		COUPLING HALF (PUMP)	1
5B	02-003504		INSERT RING	1
5C	02-003503		COUPLING INSERT	1
5D	SBD-201759-0		COUPLING HALF (ENGINE)	1
6	09-000406		THROTTLE CYLINDER (SEAL KIT #09-000412)	1
7	09-000416		UNIVERSAL JOINT	1
8	09-000410		STRAIGHT ROD	1
9	09-000411		BALL JOINT, 90 ⁰	1
10	09-006500		MOTOR MOUNT (3-3/4" MTG. CENTER)	4
11	09-000415		LONG HEX NUT	1
12	09-000404		SOLENOID, SHUTDOWN (RACK)	1
13	09-000405		SOLENOID VALVE, THROTTLE ADVANCE	1
14	09-006600	MOTOR MOUNT - EARLY MODEL	4	
15	09-005800	MOTOR MOUNT - EARLY MODEL	4	
16	09-001800	MOTOR MOUNT - EARLY MODEL	4	
17	01-007600	SOLENOID VALVE W/O BLOCK	1	
DESCRIPTION			PART NO.	
DIESEL ENGINE ASSEMBLY			CAA-206226-4	



1283/1081

DESCRIPTION

DIESEL ENGINE ASSEMBLY

PART NO.

CAA-206226-4

PARTS LIST

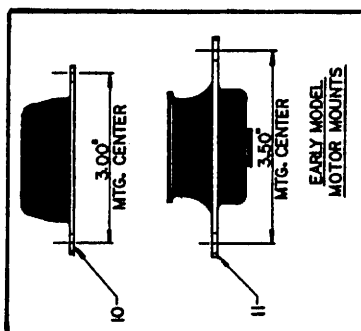
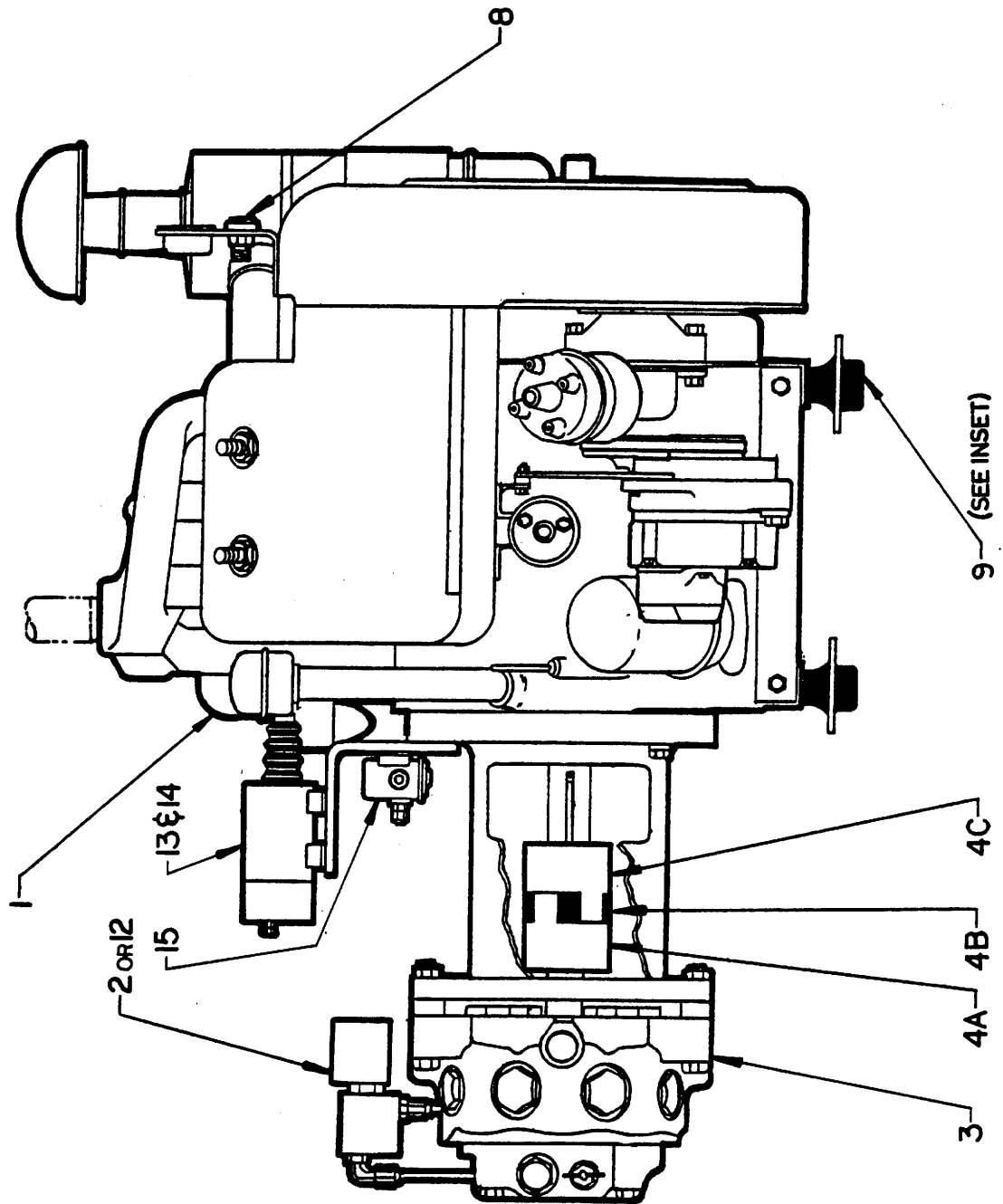
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700	D8	GAS ENGINE (WIS. MODEL #W4-1770)	1
2	01-007600		UNLOADING VALVE, N.C. (PARKER, TO 03/85)	1
3	SEE INDEX		HYDRAULIC PUMP	1
4	02-008200		COUPLING (COMPLETE)	1
4A	02-008202		COUPLING HALF (PUMP)	1
4B*	02-008201		COUPLING INSERT	1
4C	02-008203		COUPLING HALF (ENGINE)	1
8	03-021000		KEYSWITCH	1
9	09-006500		MOTOR MOUNT (3-3/4" MTG. CENTER)	4
10	09-001800		MOTOR MOUNT - EARLY MODEL	4
11	09-006600		MOTOR MOUNT - EARLY MODEL	4
12	01-013700		UNLOADING VALVE, N.O. (FROM 03/85)	1
13	09-000401		SOLENOID, THROTTLE (TO 10/85)	1
13	09-000404		SOLENOID, THROTTLE (FROM 10/85)	1
14	03-050600		THROTTLE CLEVIS (NOT SHOWN)	1
15	03-051300		RELAY, THROTTLE & STARTER	2
16		*COUPLING INSERT (OLD STYLE, BROWNING - TO 04/85)		
NOTE: OLD STYLE (BROWNING) COUPLING COMPONENTS HAVE BEEN DISCONTINUED (EXCEPT INSERT, ITEM - 16). ORDER #02-008200 COUPLING FOR COMPLETE REPLACEMENT.				

DESCRIPTION

GAS ENGINE ASSEMBLY - 35 H.P.

PART NO.

CAA-206258-3



0884

DESCRIPTION

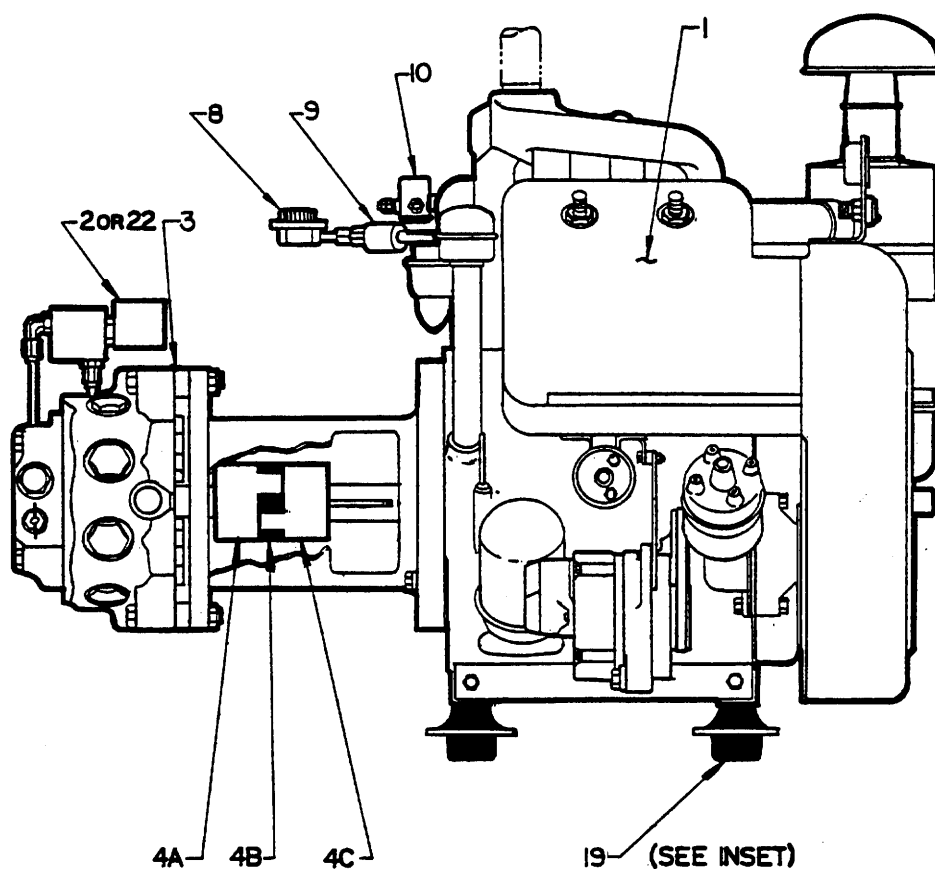
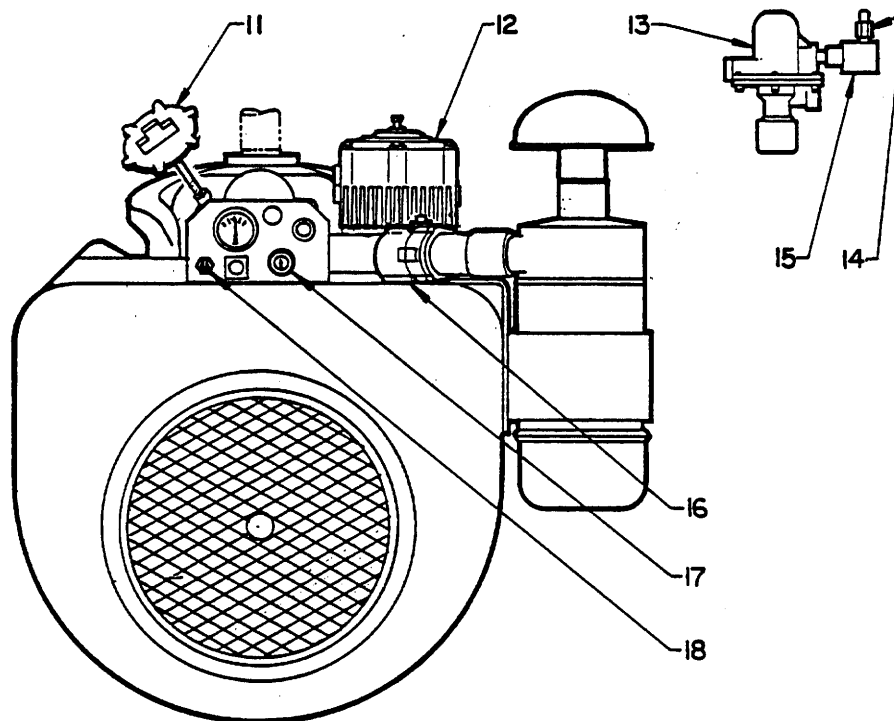
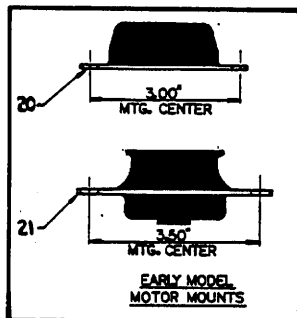
GAS ENGINE ASSEMBLY - 35 H.P.

PART NO.

CAA-206258-3

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700	D8	ENGINE (WIS. MODEL #W4-1770)	1
2	01-007600		UNLOADING VALVE, N.C. (PARKER, TO 03/85)	1
3	SEE INDEX		HYDRAULIC PUMP	1
4	02-008200		COUPLING (COMPLETE)	1
4A			COUPLING HALF (PUMP)	1
4B*	02-008201		COUPLING INSERT	1
4C			COUPLING HALF (ENGINE)	1
8	09-012300		FUEL PRESSURE REGULATOR	1
9	09-017100		GAS SHUTOFF VALVE	1
10	03-051300		RELAY, STARTER	1
11	09-015800		PROPANE VACUUM SAFETY SWITCH	1
12	09-017200		CONVERTER (VAPORIZER)	1
13	09-004400		PROPANE SAFETY SHUTOFF VALVE	1
14	09-002000		PROPANE RELIEF VALVE	1
15	09-001900		TEE ADAPTER BLOCK	1
16	09-017600		PROPANE CARBURETOR	1
17	03-021000		KEYSWITCH	1
18	03-020200		TOGGLE SWITCH, GAS/LPG	1
19	09-006500		MOTOR MOUNT (3-3/4" MTG. CENTER)	4
20	09-001800		MOTOR MOUNT - EARLY MOTOR	4
21	09-006600		MOTOR MOUNT - EARLY MOTOR	4
22	01-013700		UNLOADING VALVE, N.O. (FROM 03/85)	1
23	02-002000		*COUPLING INSERT (OLD STYLE, BROWNING - TO 04/85)	
NOTE: OLD STYLE (BROWNING) COUPLING COMPONENTS HAVE BEEN DISCONTINUED (EXCEPT INSERT, ITEM- 23). ORDER #02-008200 COUPLING FOR COMPLETE REPLACEMENT.				
DESCRIPTION			PART NO.	
DUAL FUEL ENGINE ASSEMBLY-35 H.P.			CAA-207228-1	



0884

DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY-35 H.P.

PART NO.

CAA-207228-1

PARTS LIST

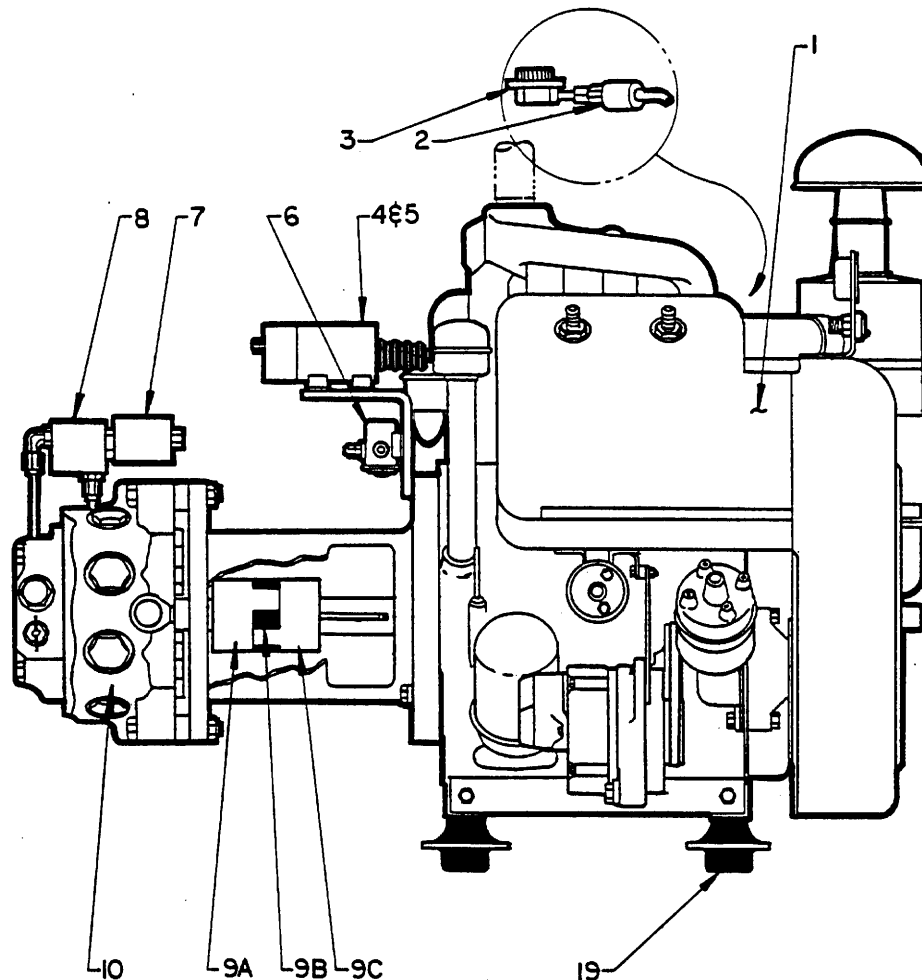
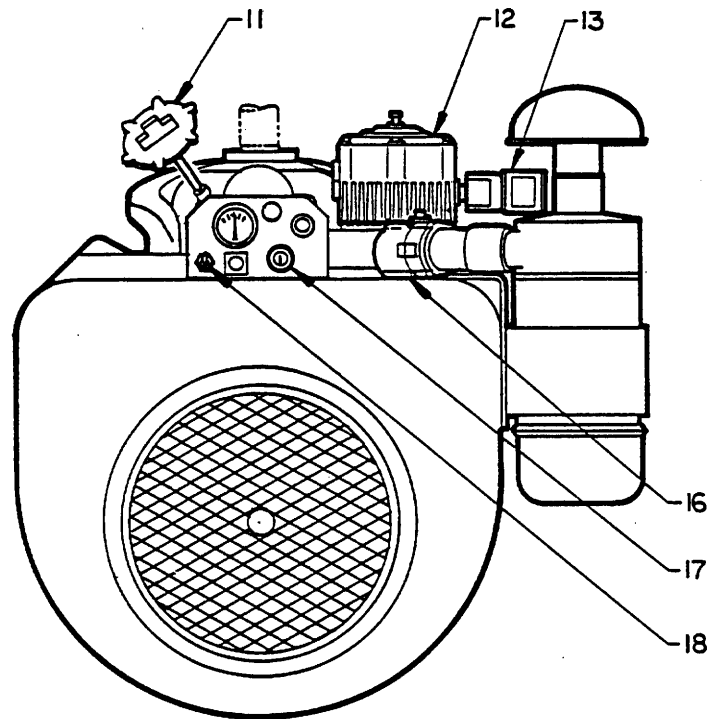
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700	D8	ENGINE (WIS. MODEL #W4-1770)	1
2	09-017100		GAS SHUTOFF VALVE	1
3	09-012300		FUEL PRESSURE REGULATOR	1
4	09-000401		SOLENOID, THROTTLE (TO 10/85)	1
4	09-000404		SOLENOID, THROTTLE (FROM 10/85)	1
5	03-050600		THROTTLE CLEVIS (NOT SHOWN)	1
6	03-051300		RELAY, THROTTLE & STARTER	2
7	01-013700		PUMP UNLOADING VALVE, N.O.	1
8	01-013900		CARTRIDGE VALVE BLOCK	1
9	02-008200		COUPLING (COMPLETE)	1
9A			COUPLING HALF (PUMP)	1
9B	02-008201		COUPLING INSERT	1
9C			COUPLING HALF (ENGINE)	1
10	SEE INDEX		HYDRAULIC PUMP	1
11	09-015800		PROPANE VACUUM SAFETY SWITCH	1
12	09-017200		CONVERTER (VAPORIZER)	1
13			PROPANE SHUTOFF VALVE	1
14	09-002000		PROPANE RELIEF VALVE	1
15	09-004400		PROPANE SAFETY SHUTOFF VALVE	1
16	09-017600		PROPANE CARBURETOR	1
17	03-021000		KEYSWITCH	1
18	03-020200		TOGGLESWITCH, GAS/LPG	1
19	09-005600		MOTOR MOUNT	4

DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY - 35 H.P.

PART NO.

CAA-208500-3



0885/0885

DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY - 35H.P.

PART NO.

CAA-208500-3

PARTS LIST

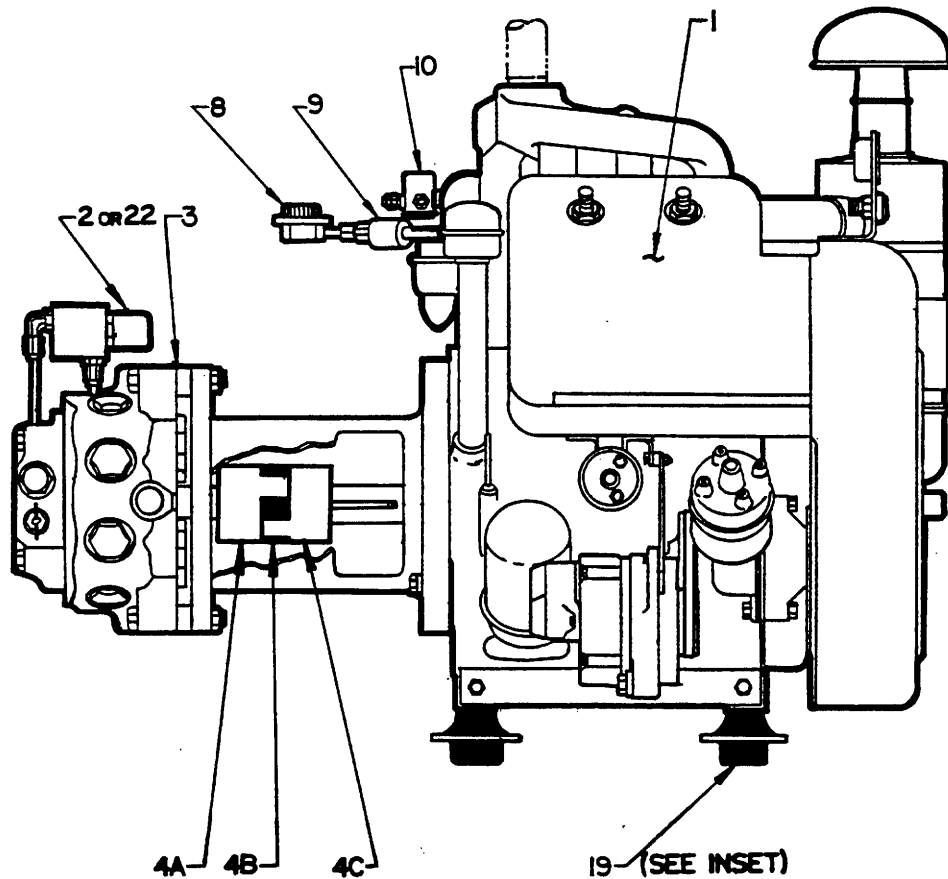
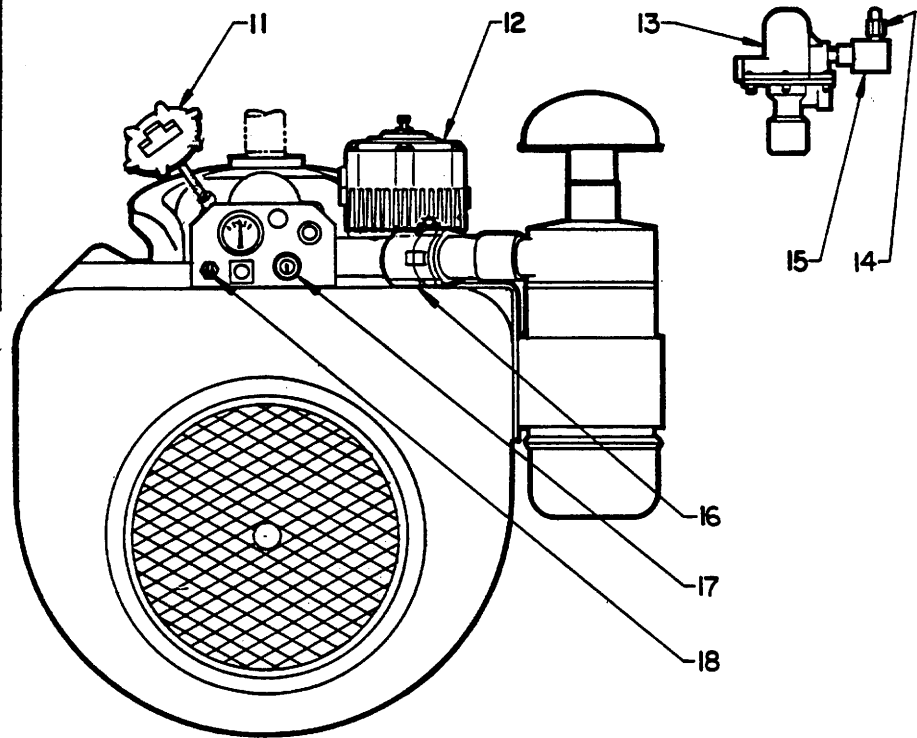
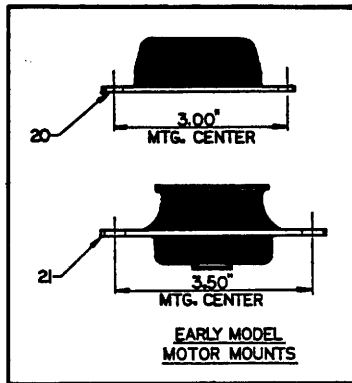
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-001000	D8	ENGINE (WIS. MODEL NO.VH4D,30 HP)	1
2	01-034400		SOLENOID VALVE	1
3	SEE INDEX		HYDRAULIC PUMP W/BLOCK (PUMP UNLOADING)	1
4	02-008200		PUMP COUPLING (COMPLETE)	1
4A			COUPLING HALF (PUMP)	1
4B*			COUPLING INSERT	1
4C			COUPLING HALF (ENGINE)	1
8	09-012300		FUEL PRESSURE REGULATOR	1
9	09-017100		GAS SHUTOFF VALVE	1
10	03-051300		RELAY, STARTER	1
11	09-015800		PROPANE VACUUM SAFETY SWITCH	1
12	09-017200		CONVERTER (VAPORIZER)	1
13	09-004400		PROPANE SAFETY SHUTOFF VALVE	1
14	09-002000		PROPANE RELIEF VALVE	1
15	09-001900		TEE ADAPTER BLOCK	1
16	09-017600		PROPANE CARBURETOR	1
17	03-021000		KEYSWITCH	1
18	03-020200		TOGGLE SWITCH, GAS/LPG	1
19	09-006500		MOTOR MOUNT (3-3/4" MTG. CENTER)	4
20	09-001800		MOTOR MOUNT - EARLY MODEL	4
21	09-006600		MOTOR MOUNT - EARLY MODEL	4
22	01-007600		SOLENOID VALVE W/O BLOCK	1
23	02-002000		* COUPLING INSERT (OLD STYLE, BROWNING - TO 04/85)	
NOTE: OLD STYLE (BROWNING) COUPLING COMPONENTS HAVE BEEN DISCONTINUED (EXCEPT INSERT, ITEM - 23). ORDER #02-008200 COUPLING FOR COMPLETE REPLACEMENT.				

DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY

PART NO.

CAA-207245-0



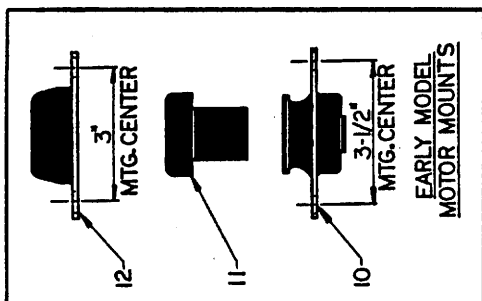
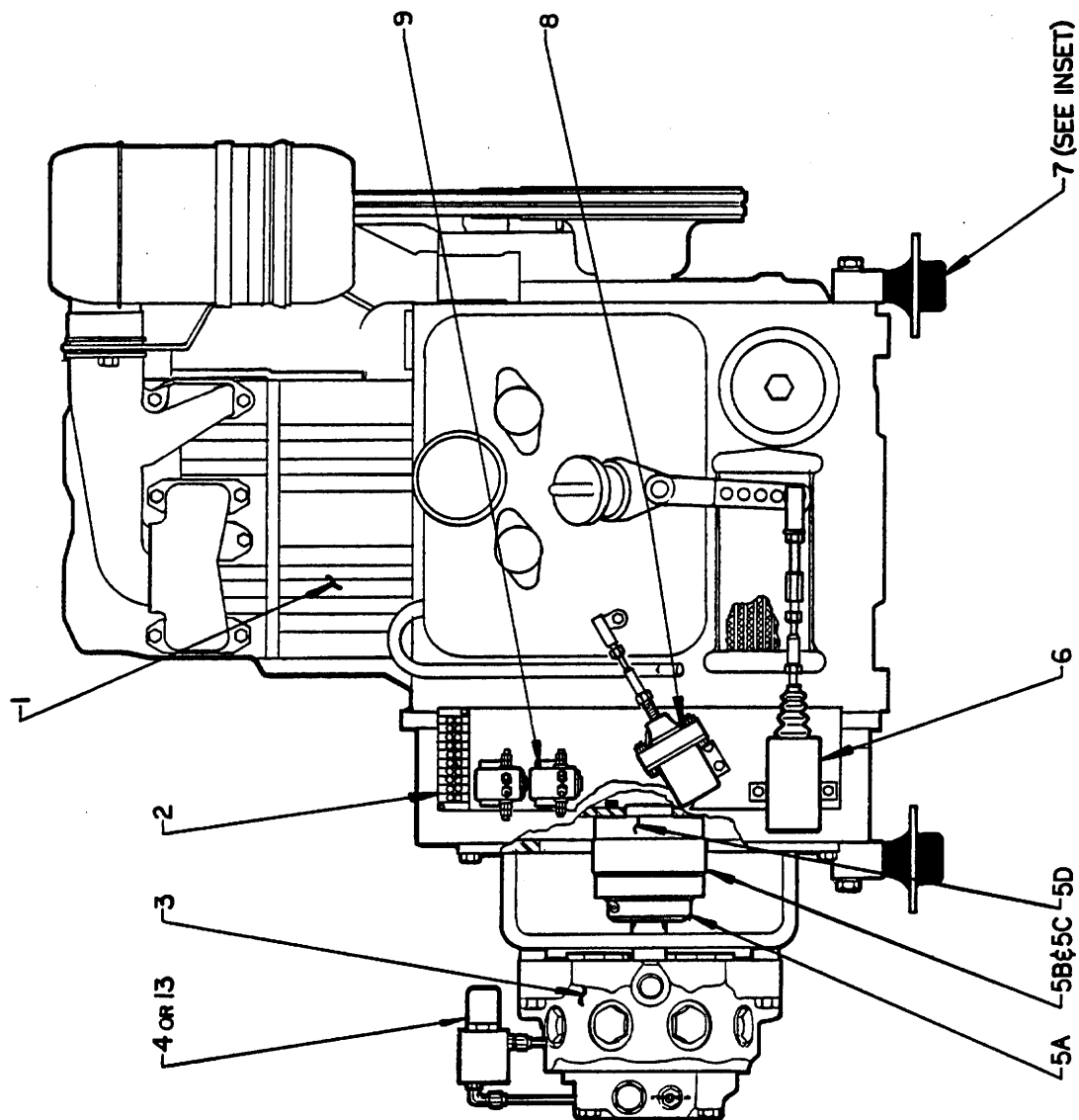
1184/0677
DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY

PART NO.
CAA-207245-0

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-000400	D8	DIESEL ENGINE (DUETZ MODEL NO.F2L912)	1
2	09-000409		TERMINAL BLOCK	1
3	SEE INDEX		HYDRAULIC PUMP	1
4	01-034400		SOLENOID VALVE, PUMP UNLOADING	1
5	01-008500		COUPLING (COMPLETE)	1
5A	02-003501		COUPLING HALF (PUMP)	1
5B	02-003504		INSERT RING	1
5C	02-003503		COUPLING INSERT	1
5D	SBD-201759-0		COUPLING HALF (ENGINE)	1
6	09-000401		SOLENOID, THROTTLE ADVANCE	1
7	09-006500		MOTOR MOUNT (3-3/4 MTG. CENTER)	4
8	09-000402		SOLENOID, SHUTDOWN (RACK)	1
9	03-051300		RELAY, RACK & THROTTLE SOLENOID	2
10	09-006600		MOTOR MOUNT - EARLY MODEL	4
11	09-005800		MOTOR MOUNT - EARLY MODEL	4
12	09-001800	MOTOR MOUNT - EARLY MODEL	4	
13	01-007600	SOLENOID VALVE W/O BLOCK	1	
DESCRIPTION			PART NO.	
DIESEL ENGINE ASSEMBLY-EARLY MODEL			CAA-207246-9	



1184/0677

DESCRIPTION

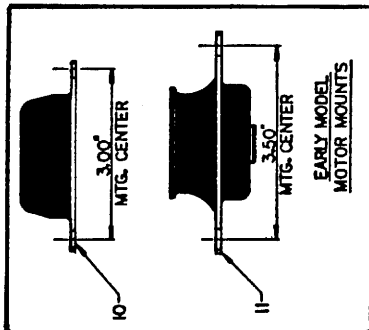
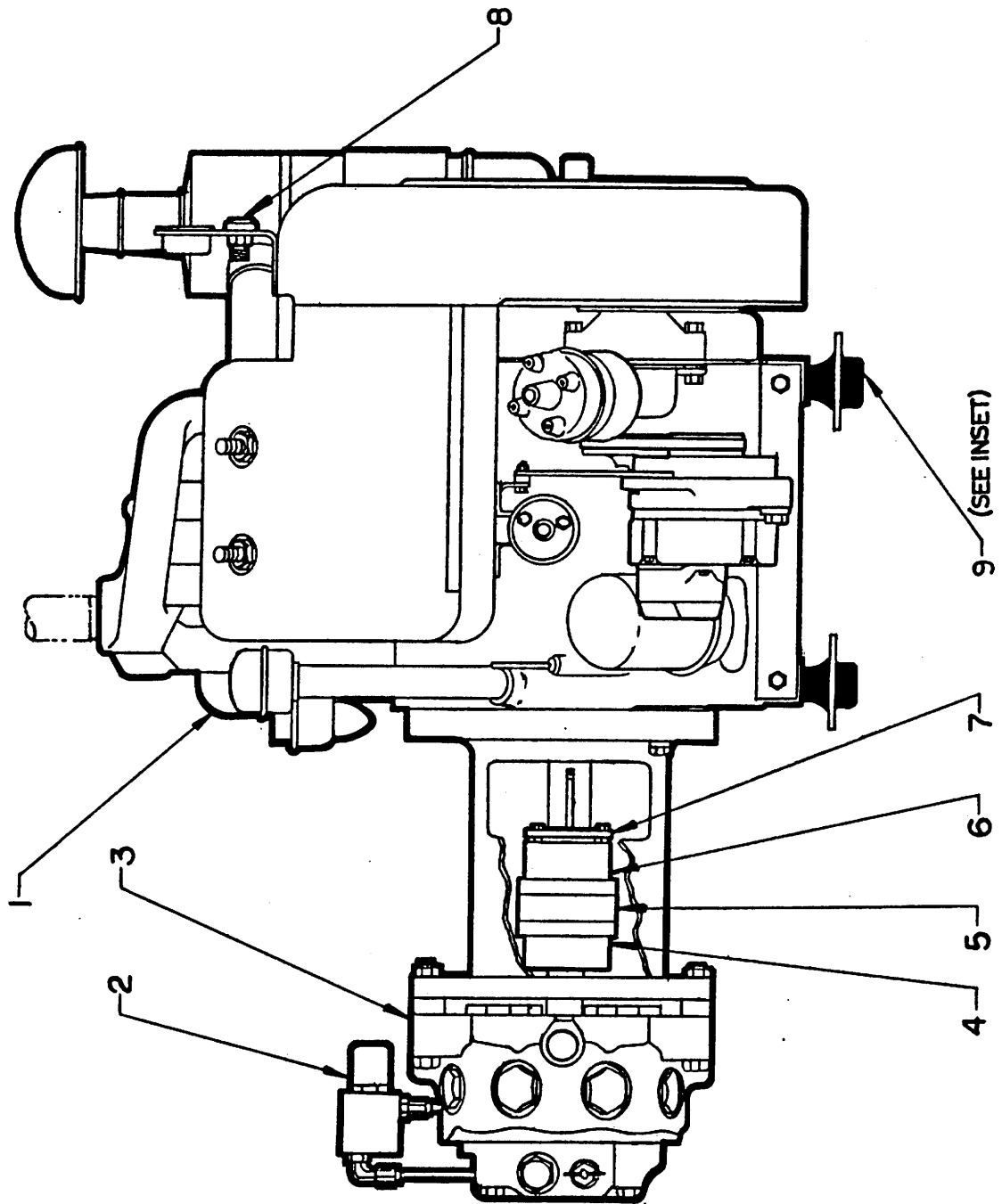
DIESEL ENGINE ASSEMBLY-EARLY MODEL

PART NO.

CAA-207246-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-002300	D8	GAS ENGINE, 37 H.P. (WIS. MODEL #VG4D)	1
2	01-034400		SOLENOID VALVE, PUMP UNLOADING	1
3	SEE INDEX		HYDRAULIC PUMP	1
4	SCW-202004-8		COUPLING HALF (PUMP)	1
5	02-002000		COUPLING INSERT	1
6	02-003400		COUPLING HALF (ENGINE	1
7	08-006900		BUSHING	1
8	03-021000		KEYSWITCH	1
9	09-006500		MOTOR MOUNT (3-3/4" MTG. CENTER)	4
10	09-001800		MOTOR MOUNT - EARLY MODEL	4
11	09-006600		MOTOR MOUNT - EARLY MODEL	4
DESCRIPTION			PART NO.	
GAS ENGINE ASSEMBLY - 37 H.P.			CAA-208464-2	



0385

DESCRIPTION

GAS ENGINE ASSEMBLY - 37 H.P.

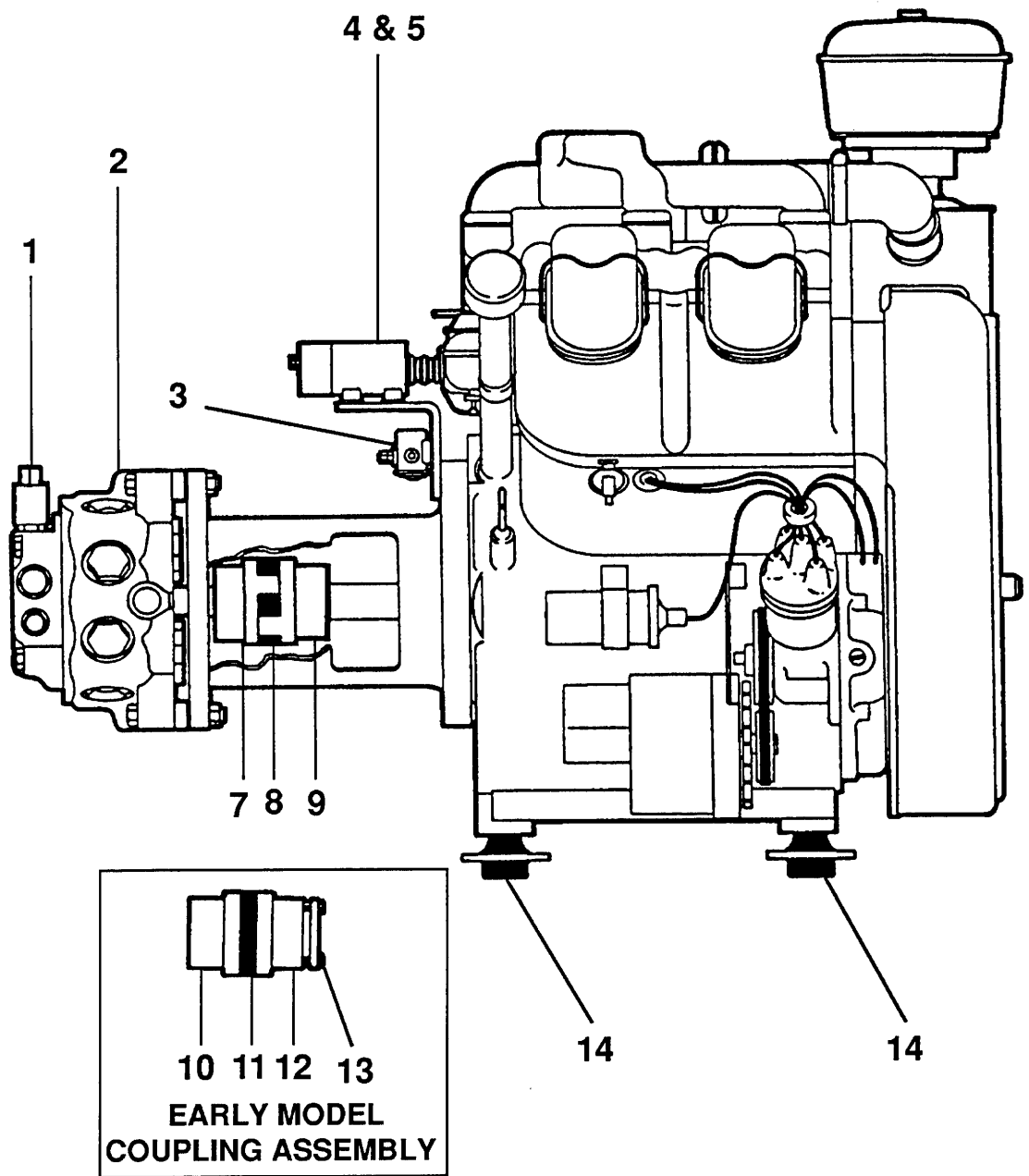
PART NO.

CAA-208464-2

[illegible]

GAS ENGINE ASSEMBLY - 65 H.P.

208485-1



TITLE

GAS ENGINE ASSEMBLY - 65 H.P.

SIMON AERIALS INC.

REV. 01/16/91

PART
NO.

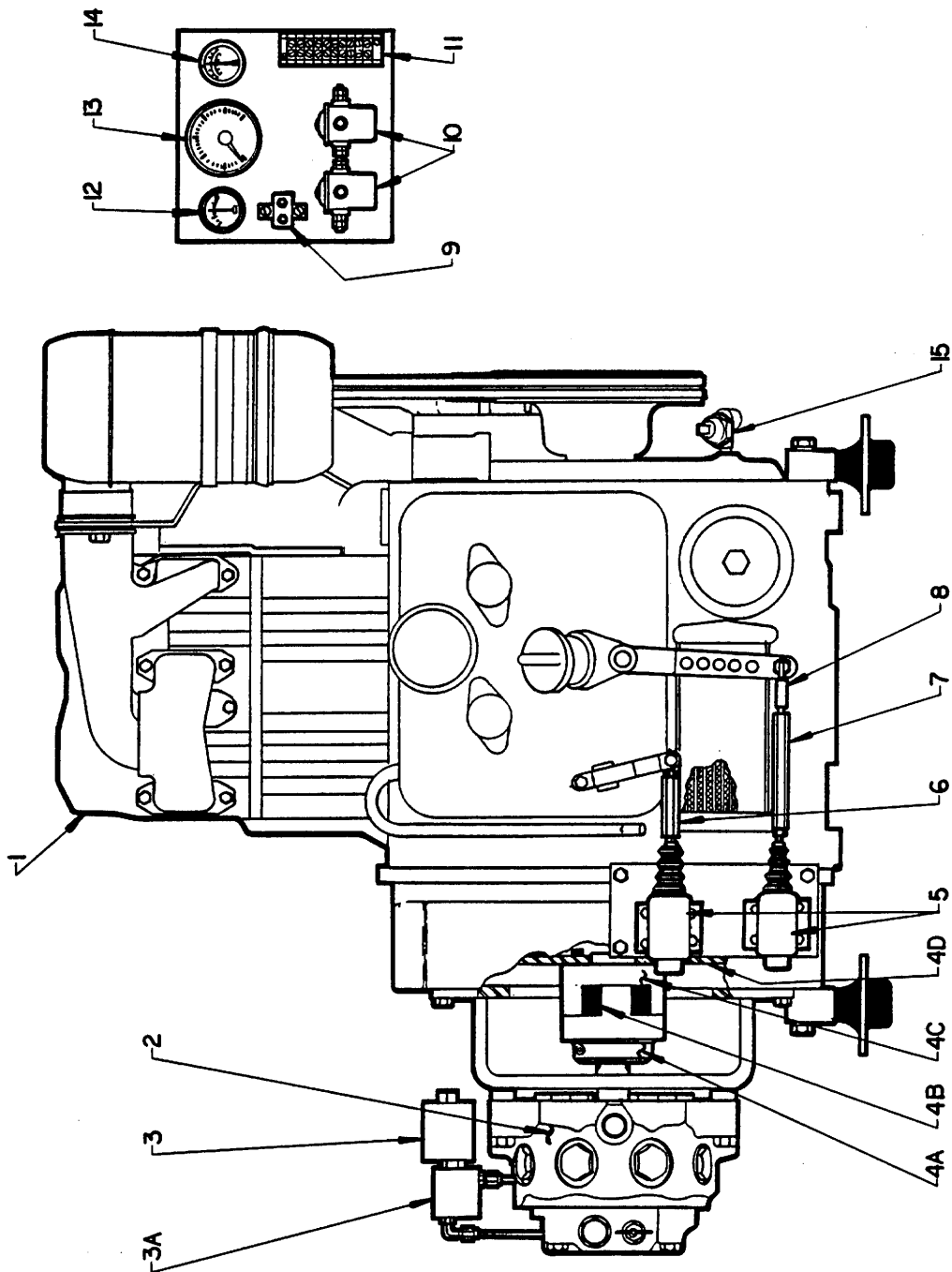
208485-1

PLATE
NO.

C04.17

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			DIESEL ENGINE (DEUTZ MODEL #F2L912)	1
2	SEE INDEX	D8	HYDRAULIC PUMP	1
3	01-013700		SOLENOID VALVE, PUMP UNLOADING	1
3A	01-013900		SOLENOID VALVE BLOCK	1
4	02-008500		COUPLING (COMPLETE)	1
4A	02-008501		COUPLING BODY (PUMP HALF)	1
4B	02-008502		SPIDER INSERT	1
4C	02-008503		FLANGE BODY (ENGINE HALF)	1
4D	02-008504		FLYWHEEL FLANGE	1
5	09-000404		SOLENOID, THROTTLE & RACK	2
6			LONG HEX NUT	1
7			LONG HEX NUT	1
8	09-000411		BALL JOINT, 90	1
9	03-024800		CIRCUIT BREAKER, 30 AMP	1
10	03-051300		RELAY, THROTTLE & RACK SOLENOID	2
11	03-068000		TERMINAL STRIP	1
12	03-030400		AMMETER	1
13	09-000407		TACHOMETER	1
14	10-034200		OIL PRESSURE GAUGE	1
15	09-012700		OIL PRESSURE SWITCH (SUPPLIED W/ENGINE)	1
DESCRIPTION			DIESEL ENGINE ASSEMBLY	PART NO. CAA-209799-6



1085/0685

DESCRIPTION

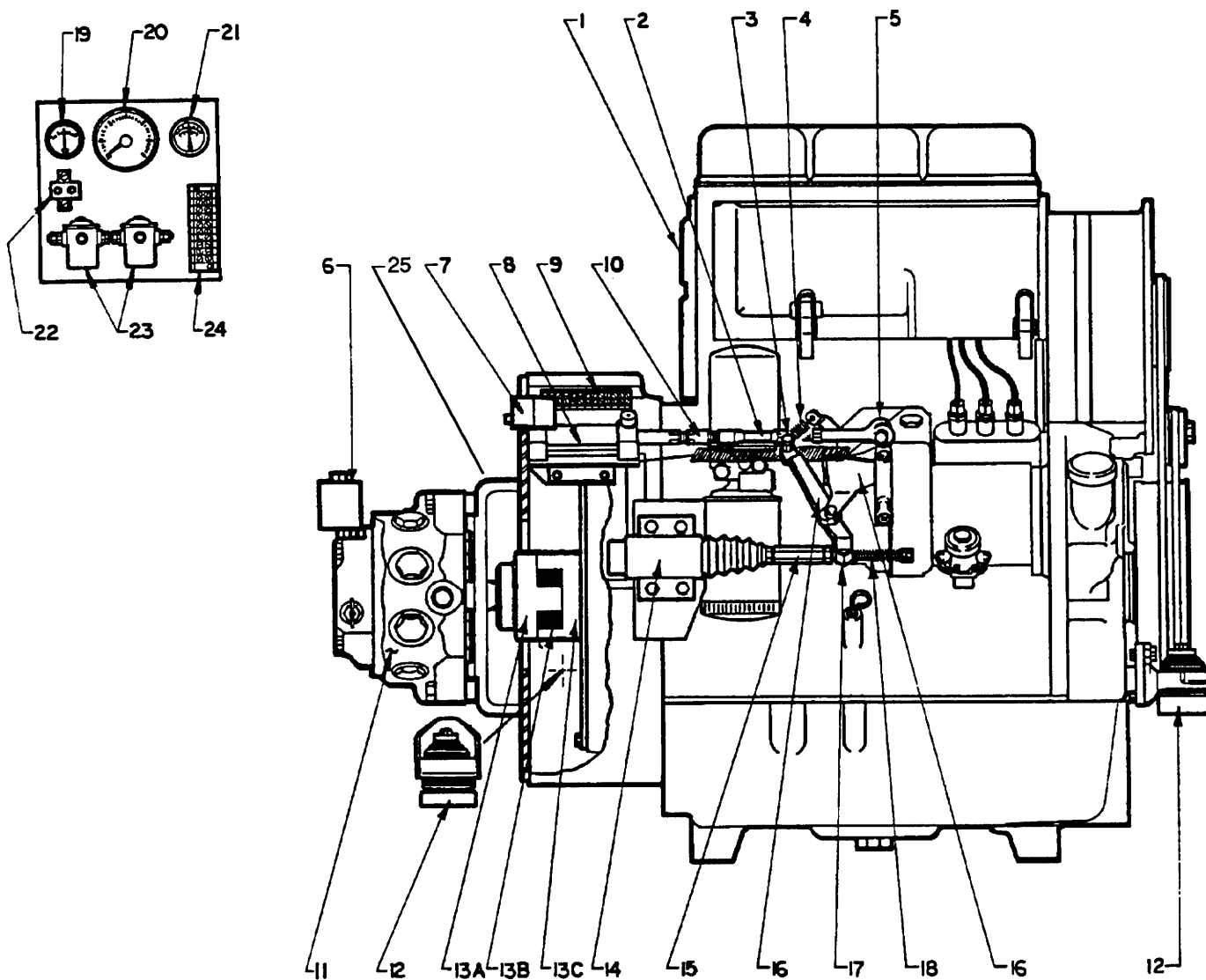
DIESEL ENGINE ASSEMBLY

PART NO.

CAA-209799-6

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-001300		ENGINE, DIESEL (Deutz Model F3L912)	1
2	09-016402	*	UNIVERSAL JOINT, STRAIGHT	1
3	09-019405	*	POST, HEX ADAPTER	1
4	09-019406	*	SPRING, EXTENSION	1
5			CLEVIS, THROTTLE	1
6	01-013700		VALVE, SOLENOID (pump unloading)	1
7	09-000405		VALVE, SOLENOID (throttle advance)	1
8	09-032000		CYLINDER, THROTTLE	1
8a	09-032001		CLEVIS	1
9	03-068000		BLOCK, TERMINAL	1
10	11-040008		COUPLING	1
11	See index .	D08. - -	PUMP, HYDRAULIC	1
12	09-006500		MOUNT, MOTOR	4
13	02-012600		COUPLING (complete) (Current style. Replaces Items 13a, 13b and 13c.)	1
13a	02-008501		BODY, COUPLING (pump half) (Superceded by 02-012600)	1
13b	02-008101		INSERT, SPIDER (Superceded by 02-012600)	1
13c	02-008503		BODY, FLANGE (engine half) (Superceded by 02-012600)	1
14	09-000404		SOLENOID, SHUT DOWN (Rack) (Horizontally mounted. Optional with Item 27)	1
15	09-019409	*	ROD, EXTENSION	1
16	09-019407	*	PIVOT LEVER ASSEMBLY	1
17	09-019403	*	SCREW, HEX HEAD	1
18	09-019404	*	SPRING, COMPRESSION	1
19	03-030400		AMMETER	1
20	09-000407		TACHOMETER	1
21	10-034200		GAUGE, OIL PRESSURE	1
22	03-024100		BREAKER, CIRCUIT (10 Amp)	1
23	03-051300		RELAY	2
24	03-068000		BLOCK, TERMINAL	1
25	2028196		ADAPTER, PUMP (old style)	1
26	09-019400		SHUT DOWN KIT Note: Items indicated by asterisk (*) are included in kit	1
27	09-001307		SOLENOID, SHUT DOWN (Rack) (Vertically mounted. Optional with Item 14)	1
28	09-041600		PIPE, EXHAUST (not shown)	1
TITLE DIESEL ENGINE ASSEMBLY				
PLATE NO.	C04.21	SIMON AERIALS INC.		PART NO. 2098102

REV. 24 AUG., 1994
THIS SHEET ONLY



TITLE

DIESEL ENGINE ASSEMBLY

SIMON AERIALS INC.

REV. 09/12/90

PART
NO.

2098102

PLATE
NO.

C04.21

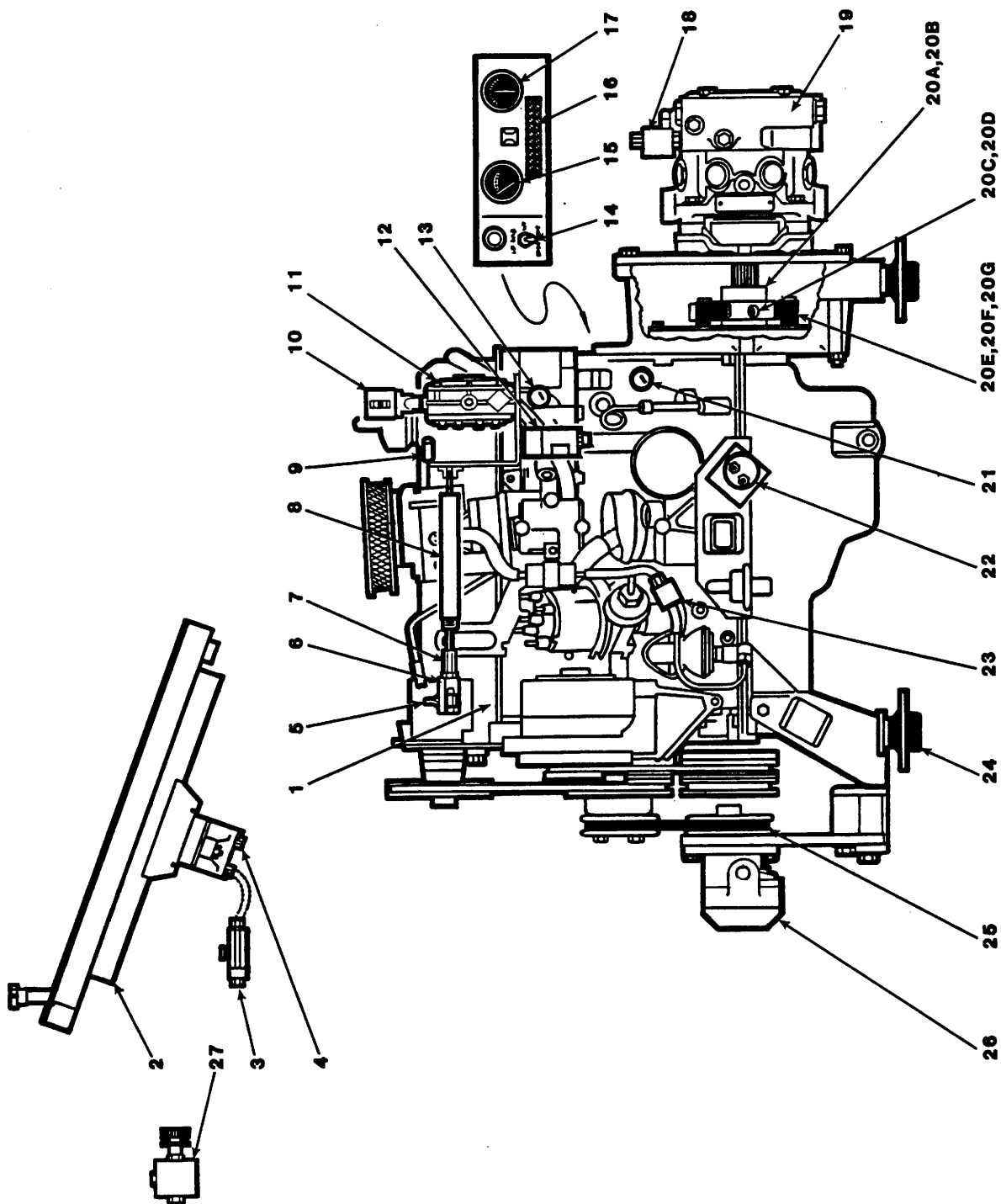
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-023700	D8	LPG ENGINE, 4CYL. (FORD 2.3L MODEL #423P-423)	1
2	09-025300		RADIATOR	1
3	01-012300		PRESSURE COMPENSATED NEEDLE VALVE	1
4	01-062200		FAN MOTOR, HYDRAULIC	1
5	SBD-211237-0		THROTTLE LINK	1
6	09-028101		CLEVIS	1
7	11-040008		COUPLING, 5/16" NC	1
8	09-028100		THROTTLE CYLINDER, DOUBLE STROKING	1
9	03-414400		CHOKE SOLENOID	1
10	09-000405		SOLENOID VALVE, PROPANE SHUTOFF	1
11			PROPANE CONVERTER (VAPORIZER)	1
12			SOLENOID VALVE, THROTTLE ADVANCE	2
13	03-024300		WATER TEMPERATURE SWITCH	1
14	03-020200		TOGGLE SWITCH, GAS/LPG	1
15	10-034200		OIL PRESSURE GAUGE	1
16	03-068000		TERMINAL STRIP	1
17	03-030400		AMMETER	1
18	01-013700		SOLENOID VALVE, PUMP UNLOADING	1
19	SEE INDEX		HYDRAULIC PUMP, MAIN	1
20	02-011400		PUMP COUPLING, COMPLETE	1
20A			CYLINDRICAL HUB	1
20B			SPLINE LOCK SCREW, CYLINDRICAL HUB	2
20C			RADIAL INSERT	3
20D			SHOULDER SCREW, RADIAL INSERT	3
20E			HYTREL INSERT	1
20F			SHOULDER SCREW, HYTREL INSERT	3
20G			AXIAL DRIVE PIN, HYTREL INSERT	3
21	09-024400	OIL PRESSURE SWITCH	1	
22	09-017100	RELAY, STARTER (SUPPLIED W/ENGINE)	1	
23		FUEL SHUTOFF VALVE	1	
24	09-006500	MOTOR MOUNT	4	
25	10-070600	V-BELT	1	
26	01-072200	HYDRAULIC PUMP, FAN	1	
27	01-011400	CARTRIDGE RELIEF VALVE	1	

DESCRIPTION

WATER COOLED GAS ENGINE ASSEMBLY

PART NO.



DESCRIPTION

WATER COOLED GAS ENGINE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3535800 3531340		ENGINE GROUP (Ford LSG-423) MP/ RP Series with HPR40 Pump (Gasoline) MP/ RP Series with HPR50 Pump (Gasoline)	1
	3535810 3531350		MP/ RP Series with HPR40 Pump (Dual fuel) MP/ RP Series with HPR50 Pump (Dual fuel)	
1	09-017800 09-023700		ENGINE ASSEMBLY (Ford LSG-423) 63 HP (47 Kw) liquid cooled gas four cylinder 63 HP (47 Kw) liquid cooled dual fuel four cylinder	1
2	02-011400		COUPLING ASSEMBLY (10" clutch)	1
3	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	6
4	07-065016		WASHER, HELICAL LOCK (3/8")	6
5	02-011500		PLATE, PUMP ADAPTER (SAE #5 hsg. to SAE "C" pump)	1
6	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
7	07-065016		WASHER, HELICAL LOCK (3/8")	8
8	03-074000		CABLE, BATTERY (Black, 9-3/4" [24.8 cm] long, 3/8" lugs)	1
9	See Plate .	D08.13	PUMP, HYDRAULIC	1
10	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4
11	07-065021		WASHER, HELICAL LOCK (5/8")	4
12	07-062021		WASHER, FLAT (5/8")	4
13	01-013700		VALVE, SOLENOID (2 way) (Pump unloading)	1
14	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
15	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
16	07-065018		WASHER, HELICAL LOCK (1/2")	4
17	06-202100		FITTING, FLANGED (4 bolt SAE #1, LI-16-16S-30)	1
18	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	A.R.
19	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
20	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
21			CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
	03-414400		Earlier version. 3/4" (19 mm) dia. x 1-7/8" (48 mm) long	
22	03-452100		Later version. 1" (25 mm) dia. x 2-3/8" (60 mm) long BRACKET, CHOKE SOLENOID	1
	2158330		Flat bracket, used until January, 1993	
	2311170		"L" shaped bracket, used since January, 1993 (shown)	
23	07-011343		MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2) (for mounting Bracket 2158330)	3
24	07-065009		WASHER, HELICAL LOCK (#8) (for Bracket 2158330)	3
25	07-062009		WASHER, FLAT (#8) (for mounting Bracket 2158330)	3
26	10-110600		SPRING, CHOKE RETURN	1
27	07-075414		ROLL PIN (1/8" x 1")	1
28	2113350		BRACKET, THROTTLE (comes with engine)	1
29			SCREW (Bracket to engine)	2

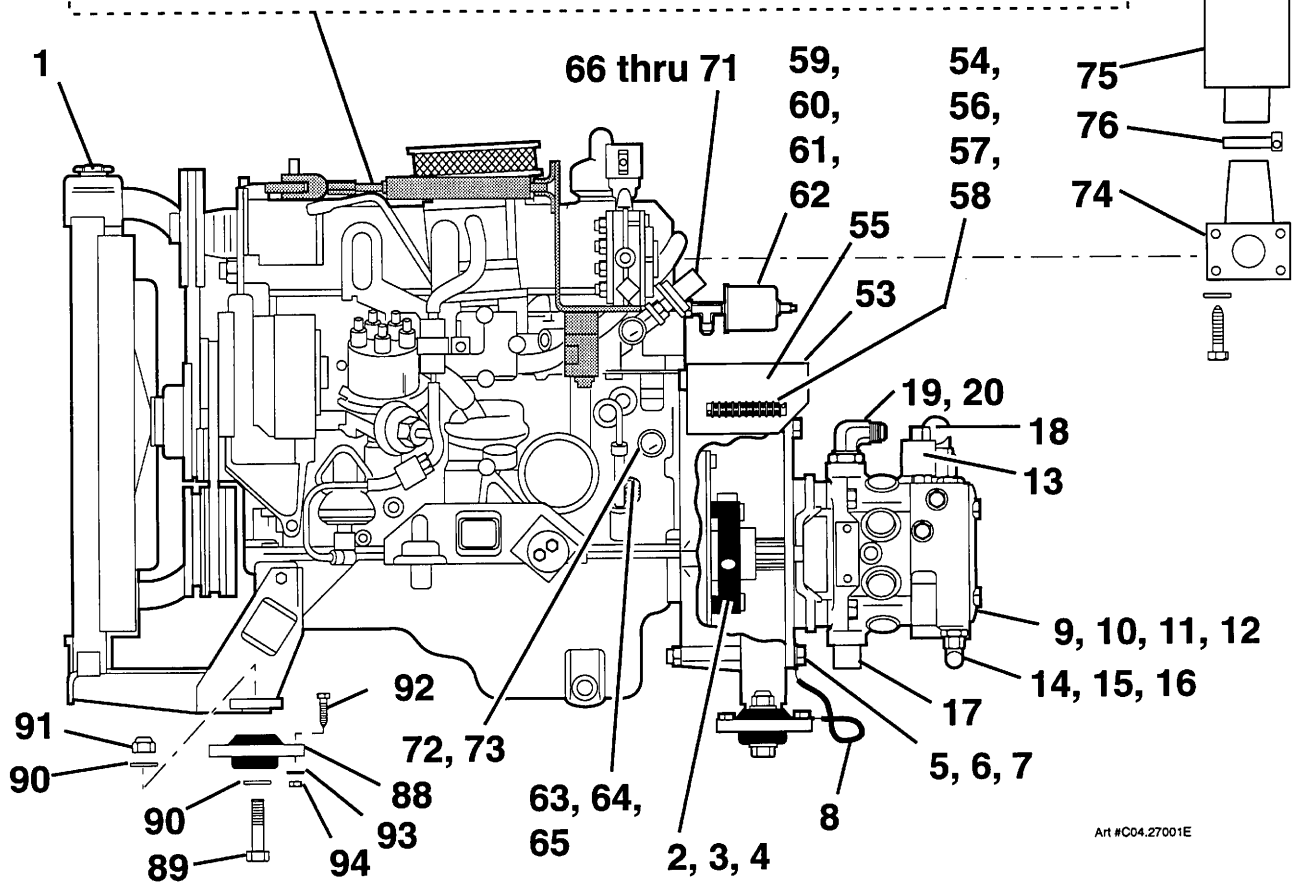
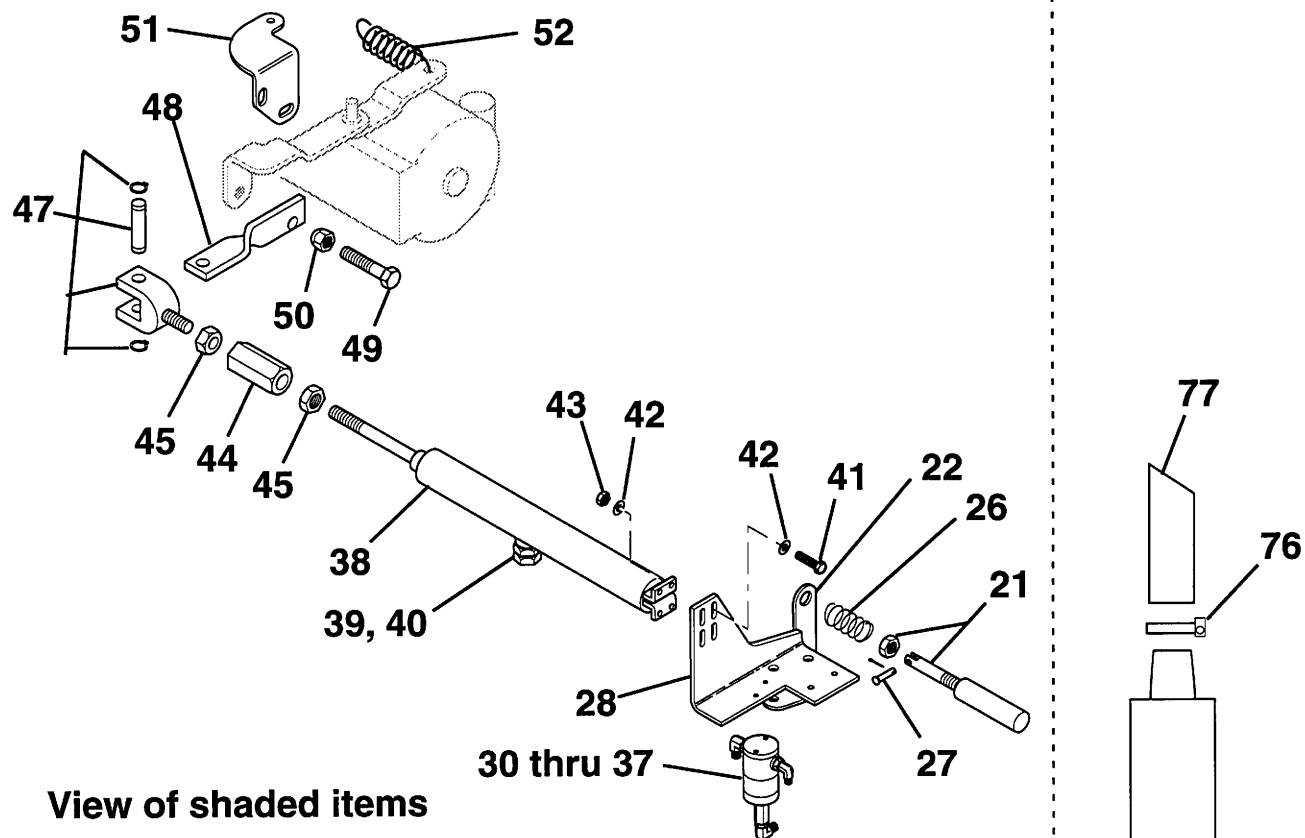
TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 1 OF 3)

PLATE NO. C04.27 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	09-000405		VALVE, ENGINE SOLENOID (Throttle advance)	1
31	06-198600		90° COMPRESSION FITTING (169 CA-3-4) (1/4" NPT to 3/16" tubing)	3
32	11-030506		BUSHING, REDUCER (1/4" x 1/8")	A.R.
33			ELBOW	1
34	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade 5)	2
35	07-065011		WASHER, HELICAL LOCK (#10)	2
36	07-062009		WASHER, FLAT (#8)	2
37	07-060014		WASHER, FLAT (1/4" SAE)	2
38	09-028100		CYLINDER, THROTTLE (3 position, double acting)	1
39	01-072300		VENT, CYLINDER BREATHER (1/8" NPT)	2
40	06-199300		FITTING, COMPRESSION (Straight)	1
41	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	4
42	07-060014		WASHER, FLAT (1/4" SAE)	8
43	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
44	11-040008		COUPLER, THREADED ROD (5/16"-24 x 1-1/8")	1
45	07-047115		NUT, JAM (5/16"-24)	2
46	07-090161		SET SCREW, SOCKET (5/16"-24 x 1", cup point)	1
47	09-028101		CLEVIS, CYLINDER (includes pin and retaining rings)	1
48	2112370		LINK, THROTTLE (comes with engine)	1
49			SCREW (Link to governor lever)	1
50			NUT (Link to governor lever)	1
51	2321090		BRACKET, THROTTLE SPRING	1
52	10-168500		SPRING, THROTTLE RETURN EXTENSION	1
53	2307030		BRACKET, TERMINAL STRIP	1
54	03-068000		STRIP, TERMINAL (10 contact)	1
55	03-467500		RELAY (Single pole, single throw, 12 Volt DC, normally open, sealed)	1
56	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
57	07-050007		NUT, STOP (#6-32, Grade 5)	2
58	07-062009		WASHER, FLAT (#8)	1
59	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
60	06-199300		FITTING, COMPRESSION (Straight)	1
61	06-074600		TEE, STRAIGHT TO PIPE THREAD (2 MRO-S)	1
62	06-070600		REDUCER, PIPE THREAD (4-2 PTR-S)	1
63	06-199300		FITTING, COMPRESSION (Straight)	1
64	06-081300		45° ELBOW, STRAIGHT TO PIPE THREAD (2 CD45-S)	1
65	06-201000		FITTING, COMPRESSION (209 P-6-2)	1
66			SWITCH, OIL PRESSURE (comes with engine)	1
67	09-049500		SWITCH, LOW PRESSURE (2 pole, normally open, 4 PSI, 1/8 TD)	1
TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)				
PLATE NO. C04.27		SIMON AERIALS INC.		PART NO.
NEW 04 AUG., 1994				



Art #C04.27001E

TITLE

ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART
NO.

PLATE
NO. C04.27

PARTS LIST

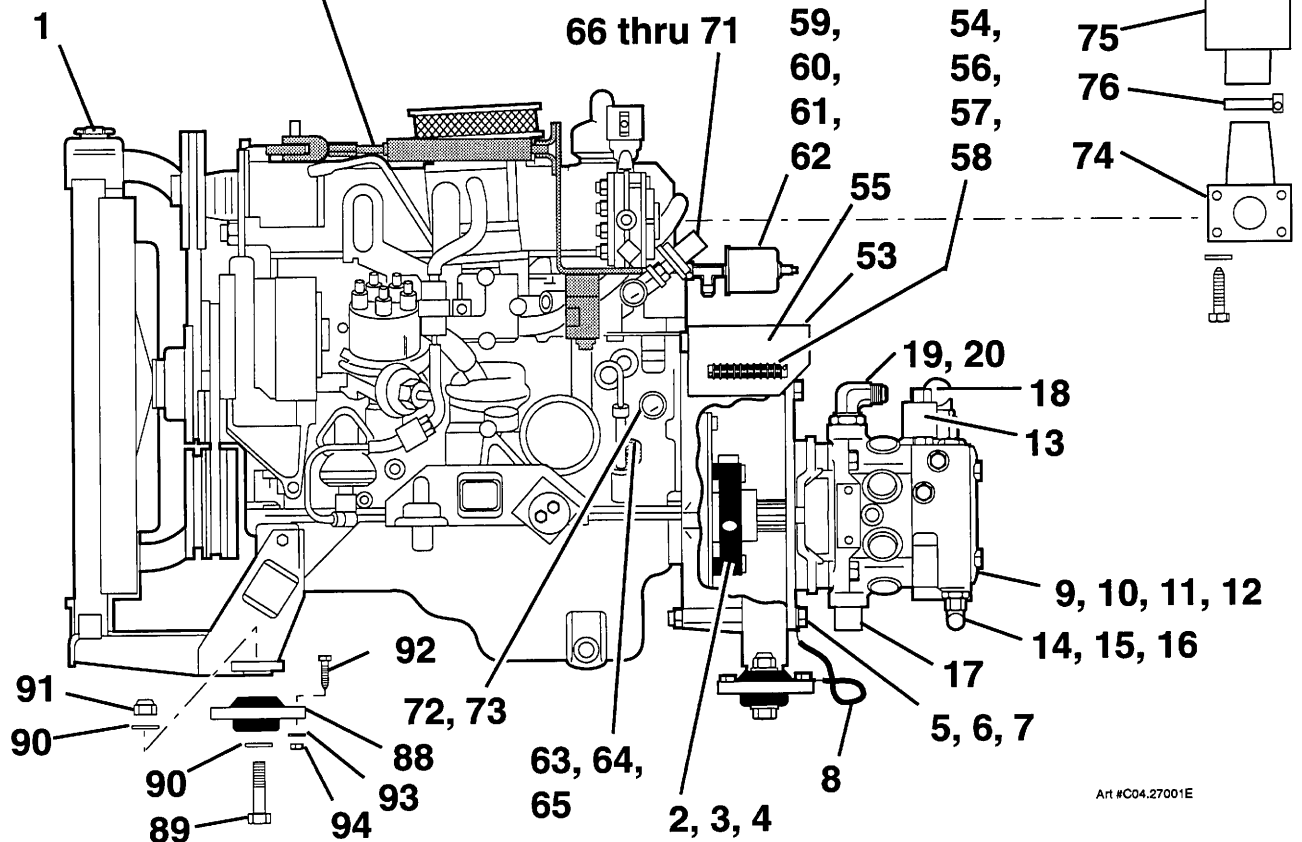
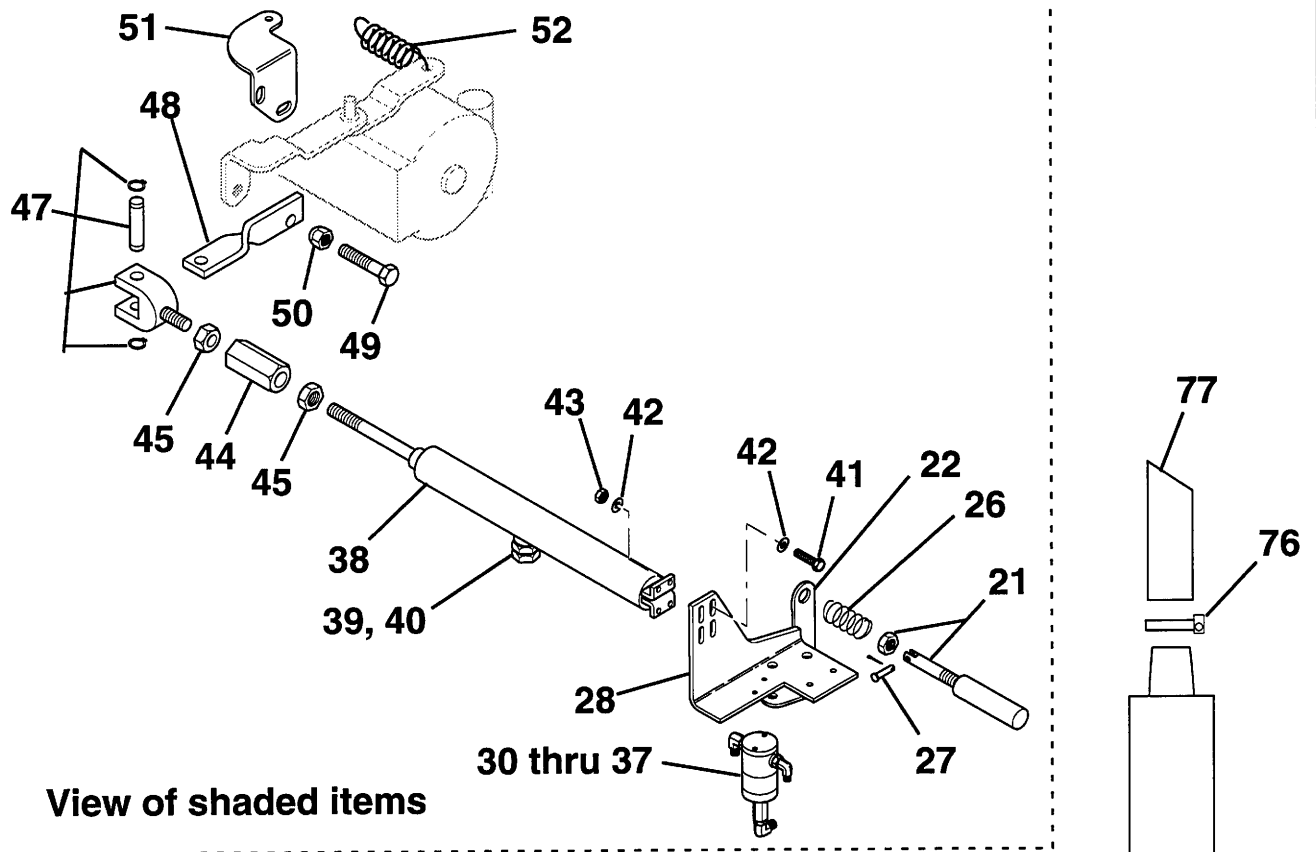
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
68	06-070600		REDUCER, PIPE THREAD (4-2 PTR-S)	1
69	06-074700		TEE, STRAIGHT TO PIPE THREAD (4 MRO-S)	1
70	07-040111		NUT, HEX (#10-32, Grade 5)	2
71	07-065011		WASHER, HELICAL LOCK (#10)	1
72			SWITCH, WATER TEMPERATURE (comes with engine)	1
73	07-092200		NUT, HEX (#8-32)	2
74	2328140		ELBOW, EXHAUST (used with muffler 09-055100)	1
	2301640		ELBOW, EXHAUST (used with muffler 09-054900)	1
75			MUFFLER, ENGINE EXHAUST	1
	09-055100		Muffler body is 15" (381 mm) long (latest version)	1
	09-054900		Muffler body is 9-1/2" (241 mm) long (later version)	1
	09-022000		Muffler body is 23" (584 mm) long (earlier version)	1
76	09-015400		CLAMP, MUFFLER (2")	1
77	2328150		PIPE, EXHAUST (used with muffler 09-055100)	1
78	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)	
			(25 Ft [7.6 M] required this application)	A.R.
79	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	
			(1 Ft [30 cm] required this application)	A.R.
80	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item)	
			(2 Ft [61 cm] required this application)	A.R.
81	07-039004		NUT, HEX (M 6)	1
82	07-066004		WASHER, HELICAL LOCK (6 mm)	1
			These items were used on some earlier Dual Fuel versions:	
83	09-028800		VALVE, PROPANE SHUTOFF (Solenoid operated)	1
84	09-023705		CONVERTER, PROPANE (Vaporizer)	1
85	09-017100		VALVE, GAS SHUTOFF	1
			For versions with gauge panel mounted on engine:	
86	10-034200		GAUGE, OIL PRESSURE	1
87	03-030400		AMMETER	1
			The following items are not part of the engine assembly:	
88	09-006500		MOUNT, ENGINE	4
89	07-004095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 8)	4
90	07-061018		WASHER, FLAT (1/2" SAE)	8
91	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	4
92	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	8
93	07-062016		WASHER, FLAT (3/8")	17
94	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	8
89	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
90	09-004600		CLAMP, WORM (1/4" to 5/8")	2

TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)

PLATE NO. C04.27 SIMON AERIALS INC.

NEW 04 AUG., 1994

PART NO.



Art #C04.27001E

TITLE

ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART
NO.

PLATE
NO. **C04.27**

PARTS LIST

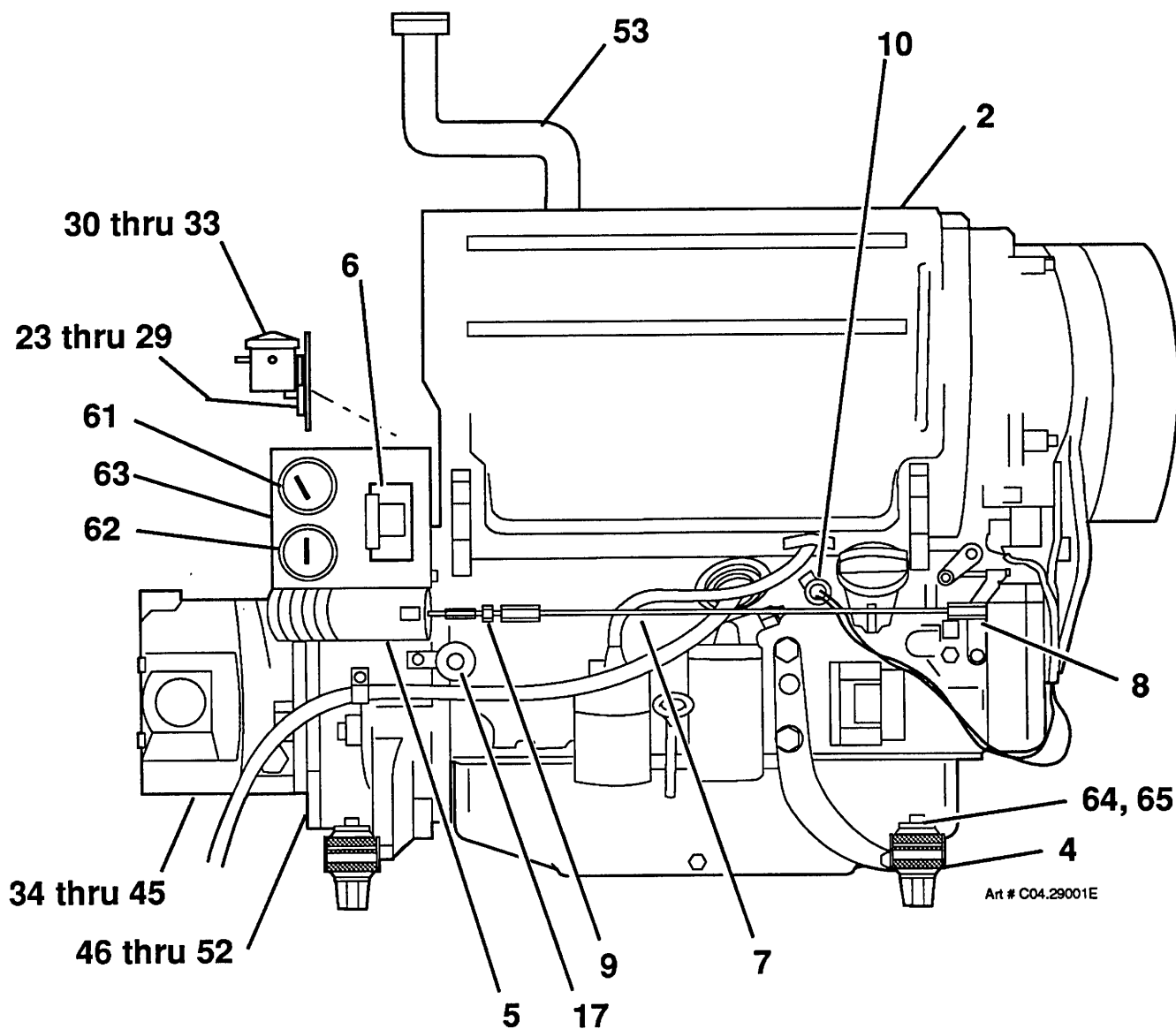
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3531260		ENGINE ASSEMBLY (Deutz Model F3L 1011)	1
	3522690		with HPR 40 Pump	1
2	09-044800		ENGINE, DIESEL (Deutz Model F3L 1011)	1
			[42 HP (31 Kw) @ 3,000 RPM, air cooled 3 cylinder]	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
4	---		MOUNT, ENGINE (comes with engine)	4
5	03-469400		SOLENOID, THROTTLE (does not include module)	1
6	03-456803		MODULE, THROTTLE SOLENOID	1
7	03-469403		ROD, LINKAGE	1
8	03-469401		BALL JOINT (Straight)	1
9	03-469405		BALL JOINT (90°)	1
10			SWITCH, OIL PRESSURE (comes with engine)	1
11	2305190		BRACKET, MOUNTING (Oil pressure sending unit)	1
			(used with HPR 40 pump only)	1
12	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	1
13	07-060014		WASHER, FLAT (1/4", SAE)	2
14	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	1
15	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (2 MRO-S)	1
16	06-199300		FITTING, COMPRESSION (Straight, 3/16" x 1/8")	2
17	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
			(used with HPR 40 pump only)	1
18	05-081900		FUEL LINE (5/16") [Bulk item, order as needed.	A.R.
			9" (22.9 cm) needed this application]	
19	09-004600		CLAMP, WORM (1/4" to 5/8") (for fuel line)	2
			with HPR 40 Pump	4
			with HPR 50 Pump	
20	07-062016		WASHER, FLAT (3/8") (used with HPR 40 pump only)	2
21	06-084600		ELBOW, FEMALE PIPE THREAD (2 DD-S)	1
22	05-082200		OIL PRESSURE LINE (3/16") [Bulk item, order as needed.	A.R.
			16" (40.6 cm) needed this application]	
23	2169790		BRACKET, TERMINAL STRIP	1
24	07-005184		CAP SCREW, HEX HEAD (M 10 x 25 mm, Grade 8.8)	3
25	07-066006		WASHER, LOCK (10 mm)	3
26	07-060016		WASHER, FLAT (3/8", SAE)	3
27	03-068000		BLOCK, TERMINAL (10 station)	1
28	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
29	07-050007		NUT, STOP (#6-32, Grade 5)	2
30	03-051300		RELAY (Single pole, single throw)	1
31	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2
32	07-060014		WASHER, FLAT (1/4" SAE)	2
33	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 1 OF 3)

PLATE NO. C04.34 SIMON AERIALS INC.

NEW 27 JAN., 1994

PART NO.



TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 1 OF 3)

SIMON AERIALS INC.

NEW 27 JAN., 1994

PART
NO.

PLATE
NO.

C04.34

PARTS LIST

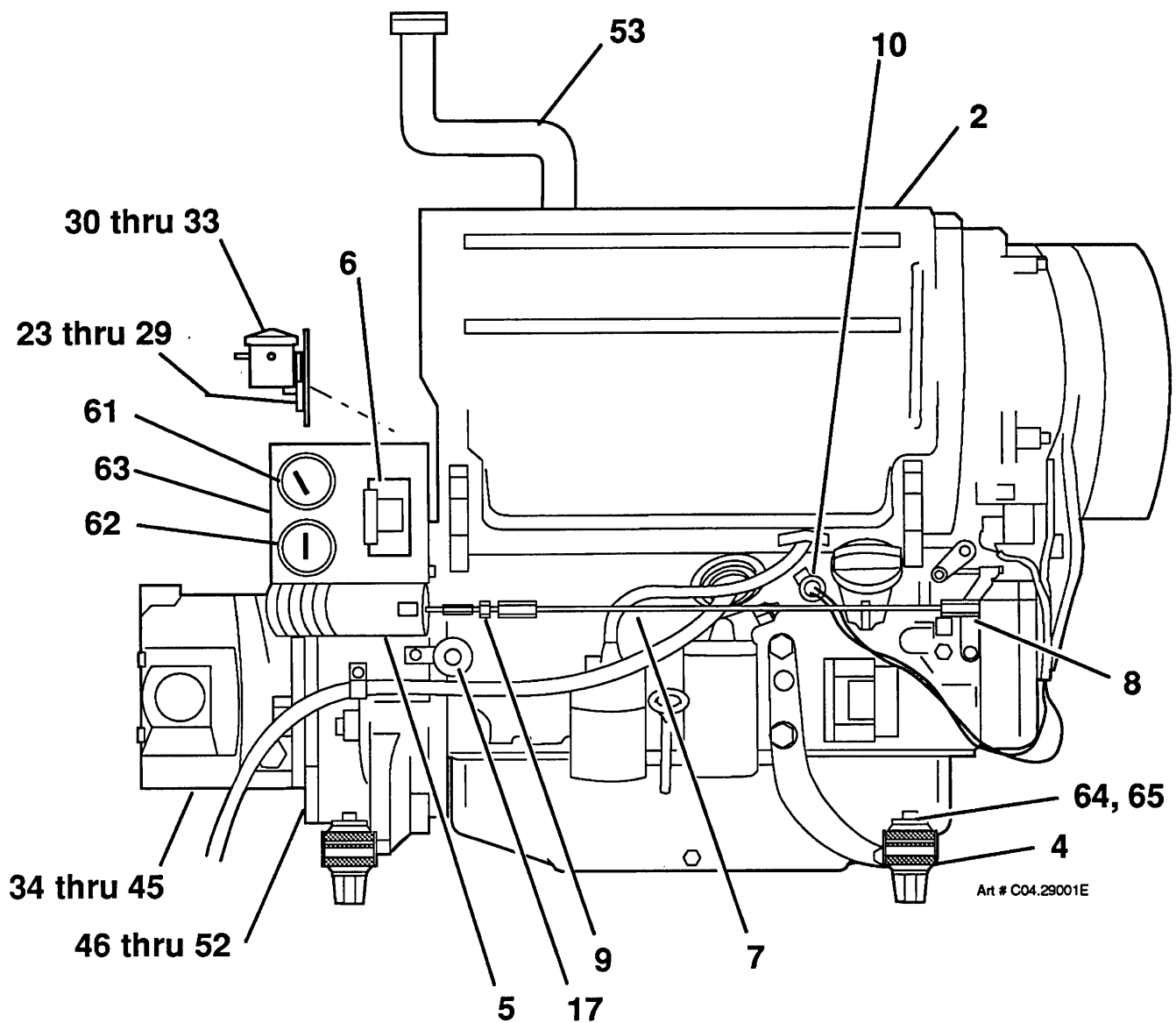
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	See Index	D08. - -	PUMP, HYDRAULIC	1
35			CAP SCREW, HEX HEAD	
	07-003126		with HPR 40 Pump (5/8"-11 x 1-1/4", Grade 5)	4
	07-004127		with HPR 50 Pump (5/8"-11 x 1-1/2", Grade 8)	4
36	07-065021		WASHER, HELICAL LOCK (5/8")	4
37	07-060021		WASHER, FLAT (5/8", standard)	4
38	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
39	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
40	07-065018		WASHER, HELICAL LOCK (1/2")	4
41	06-202100		FITTING, FLANGED (LI-16-16S-30)	1
42	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
43	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
44	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
45	01-013700		VALVE, SOLENOID (2 way) (Pump unloading)	1
46			PLATE, PUMP ADAPTER	
	02-011500		• Used with HPR 40 pump [1/2" (13 mm) thick] SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to SAE "C" (2 hole, 5" pilot) pump mount	1
	02-025700		• Used with HPR 50 pump [2" (51 mm) thick] SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to SAE "B" (2 hole, 4" pilot) pump mount	1
47			CAP SCREW, HEX HEAD	
	07-005184		with HPR 40 Pump (M 10 x 25 mm, Grade 8.8)	8
	07-005190		with HPR 50 Pump (M10 x 65 mm, Grade 8.8)	8
48	07-066006		WASHER, LOCK (10 mm) (with HPR 40 pump)	8
49	03-074000		CABLE, BATTERY [Black, 9-3/4" (25 cm) long, 3/8" lugs]	1
50			COUPLING ASSEMBLY, PUMP	
	02-011400		• Used with 02-025700 Pump Adapter for HPR 50 Pump. (10" clutch)	1
	02-043700		• Used with 02-011500 Pump Adapter for HPR 40 Pump. (Replaces 02-033900)	1
	02-033900		• Obsolete. Use 02-043700. 4 segment type, used with 02-011500 Pump Adapter for HPR 40 Pump. 6 hole, 8.5" pilot, 14 tooth spline	1
51	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6
52	07-066005		WASHER, LOCK (8 mm)	6
53	09-056900		PIPE, EXHAUST	1

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 2 OF 3)

PLATE NO. C04.34 SIMON AERIALS INC.

NEW 27 JAN., 1994

PART NO.



Art # C04.29001E

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 2 OF 3)

SIMON AERIALS INC.

NEW 27 JAN., 1994

PART
NO.

PLATE
NO.

C04.34

PARTS LIST

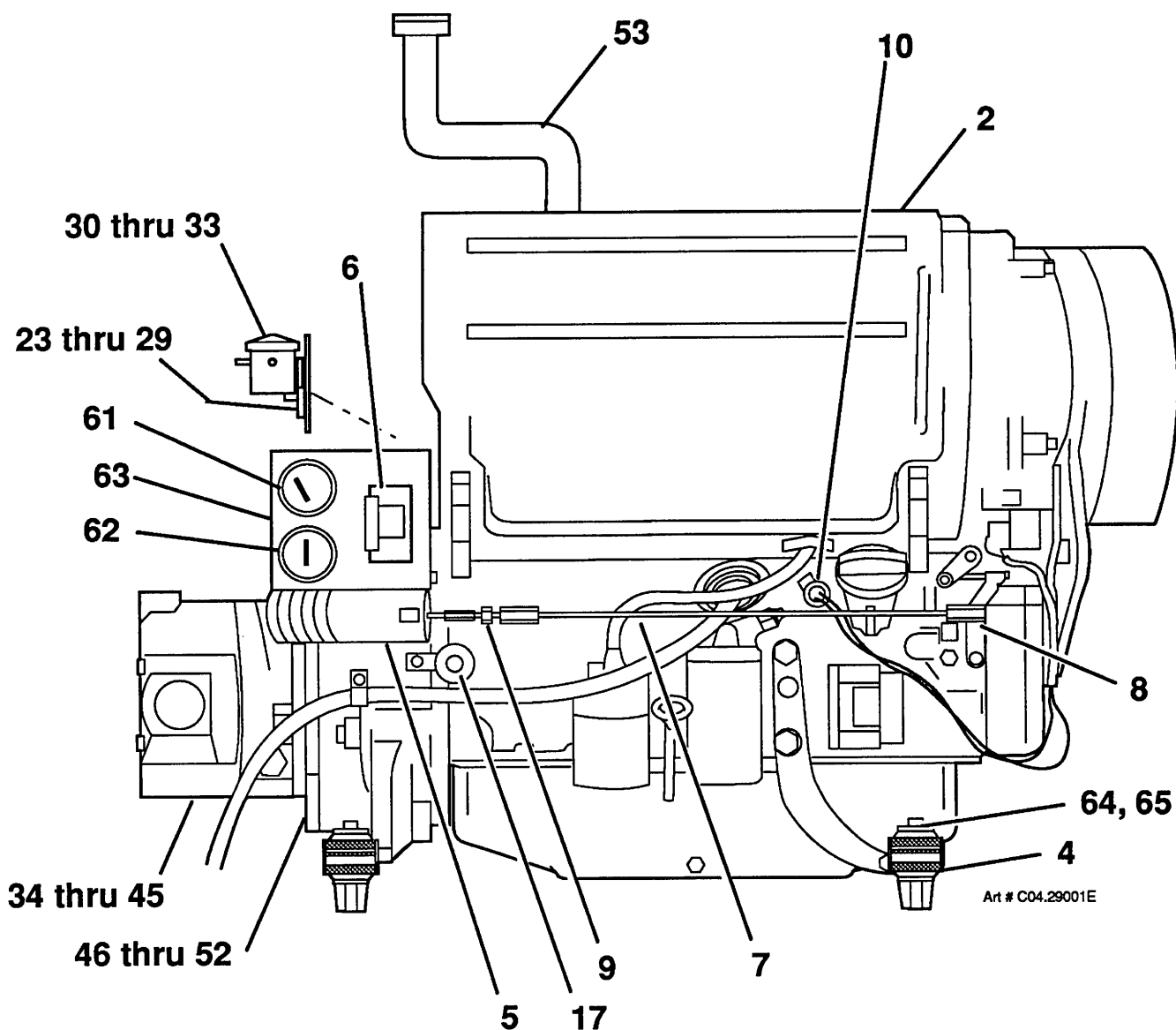
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
54	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item) [25 Ft (7.6 M) required with HPR 40 pump] [13.5 Ft (4.1 M) required with HPR 50 pump]	A.R.
55	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item) [0.5 Ft (150 mm) required with HPR 40 pump]	A.R.
56	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item) [1.5 Ft (150 mm) required with HPR 40 pump]	A.R.
57	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk) [6.0 Ft (1.8 M) required with HPR 40 pump] [6.8 Ft (2.1 M) required with HPR 50 pump]	A.R.
58	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk) [1.0 Ft (30.5 cm) required with HPR 40 pump] [3.5 Ft (1.1 M) required with HPR 50 pump]	A.R.
59	03-061800		DIODE (6 Amp, 200 Volt)	1
60	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.) [5.0 Ft (1.5 M) required with HPR 40 pump] [4.2 Ft (1.3 M) required with HPR 50 pump]	A.R.
			The following items are used when gauges are not mounted on the ground control electrical box:	
61	03-030400		AMMETER (50 Amp)	1
62	10-034200		GAUGE, OIL PRESSURE (2-1/2" dial; with mounting bracket)	1
63	2171050		PANEL, GAUGE	1
			The following components, used to mount the engine to the superstructure, are not part of the engine assembly:	
64	07-004078		CAP SCREW, HEX HEAD (7/16"-14 x 6-1/2", Grade 8)	4
65	07-050017		NUT, HEX LOCK (7/16"-14)	4

TITLE	ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 3 OF 3)
-------	---

PLATE NO. C04.34

SIMON AERIALS INC. NEW 27 JAN., 1994

PART NO.	DESCRIPTION
-------------	-------------



Art # C04.29001E

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 3 OF 3)

SIMON AERIALS INC.

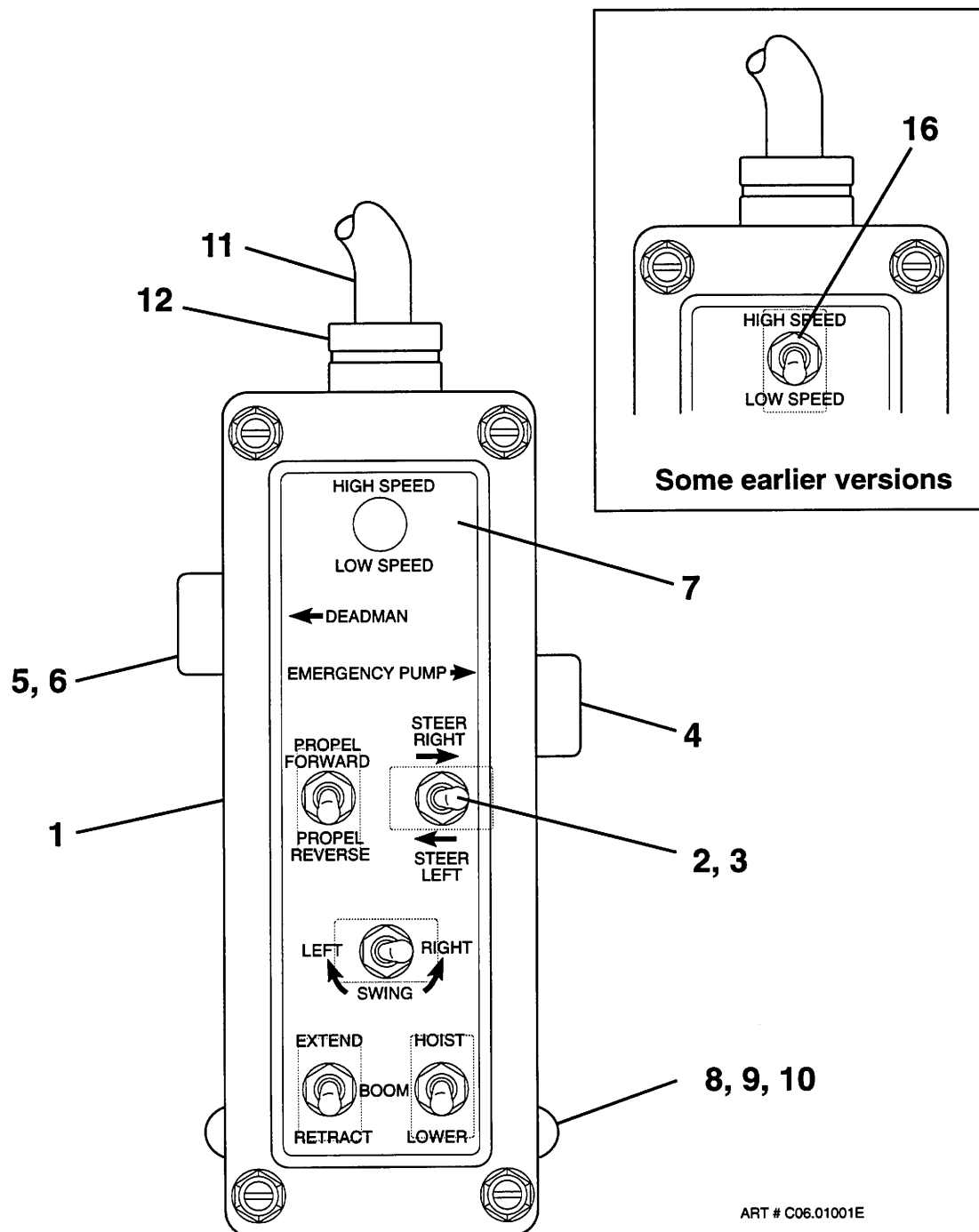
NEW 27 JAN., 1994

PART
NO.

PLATE
NO.

C04.34

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	350 2251 353 4460		REMOTE CONTROL PENDANT ASSEMBLY Earlier version, with 10 Ft (3.05 M) long, 24 conductor cable Later version, with 20 Ft (6.10 M) long, 19 conductor cable.	1
1	205 6098		BOX, CONTROL (includes cover) Drilled for switch installation	1
	03-063000		Undrilled box	
2	03-020500		SWITCH, TOGGLE (Double pole, double throw)	5
3	03-497900		SEAL, PANEL (optional)	5
4	03-020300		BUTTON, PUSH (Single pole, single throw)	1
5	03-021200		BUTTON, PUSH (Two position, "push/ pull")	1
6	03-025000		BLOCK, CONTACT (Normally closed)	1
7	10-016400		PLATE, REMOTE CONTROL PENDANT IDENTIFICATION	1
8	01-031705		KNOB, CONTROL BOX MOUNTING	2
9	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
10	07-062011		WASHER, FLAT (#10)	8
11	03-085000		CABLE, ELECTRICAL [Bulk item, order as needed] For earlier versions: Type SJO, 24 conductor, #16 AWG (10 Ft [3.05 M] needed in this application.) For later versions: Type F 569, 19 conductor, #16 AWG (20 Ft [6.10 M] needed in this application.)	A.R.
	03-488800			
12	03-063200		GRIP, CORD (3/4", sealing)	1
13	03-055600		NUT, CONDUIT LOCK (3/4")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	22
15	03-091300		TERMINAL, SPADE (Blue, #10 stud, #14-16 AWG)	2
			The following optional item, which may be found on some earlier pendants, is not part of Remote Control Pendant Assembly 350 2251 or 353 4460:	
16	03-020400		SWITCH, TOGGLE (Travel speed) (on some earlier units) (Two position, maintained contact, single pole, single throw)	1
TITLE REMOTE CONTROL PENDANT ASSEMBLY				
PLATE NO.	C06.01	SIMON AERIALS INC.		PART NO.
			REV. 18 NOV., 1994	



ART # C06.01001E

TITLE

REMOTE CONTROL PENDANT ASSEMBLY

SIMON AERIALS INC.

REV. 18 NOV., 1994

PART
NO.

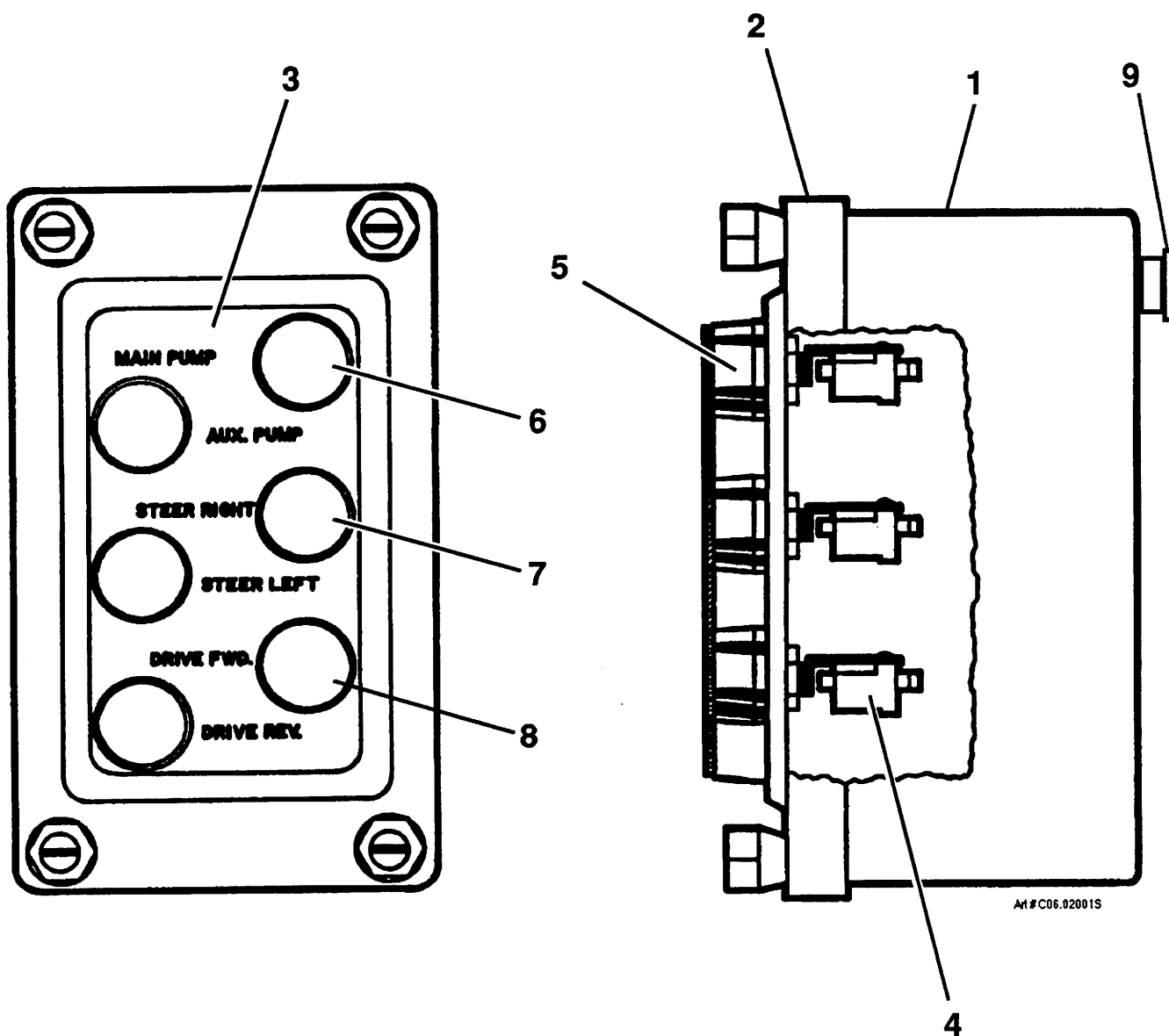
PLATE
NO.

C06.01

[illegible]

PENDANT ASSEMBLY, REMOTE CONTROL

3510225



TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 10 APR., 1992

PART
NO.

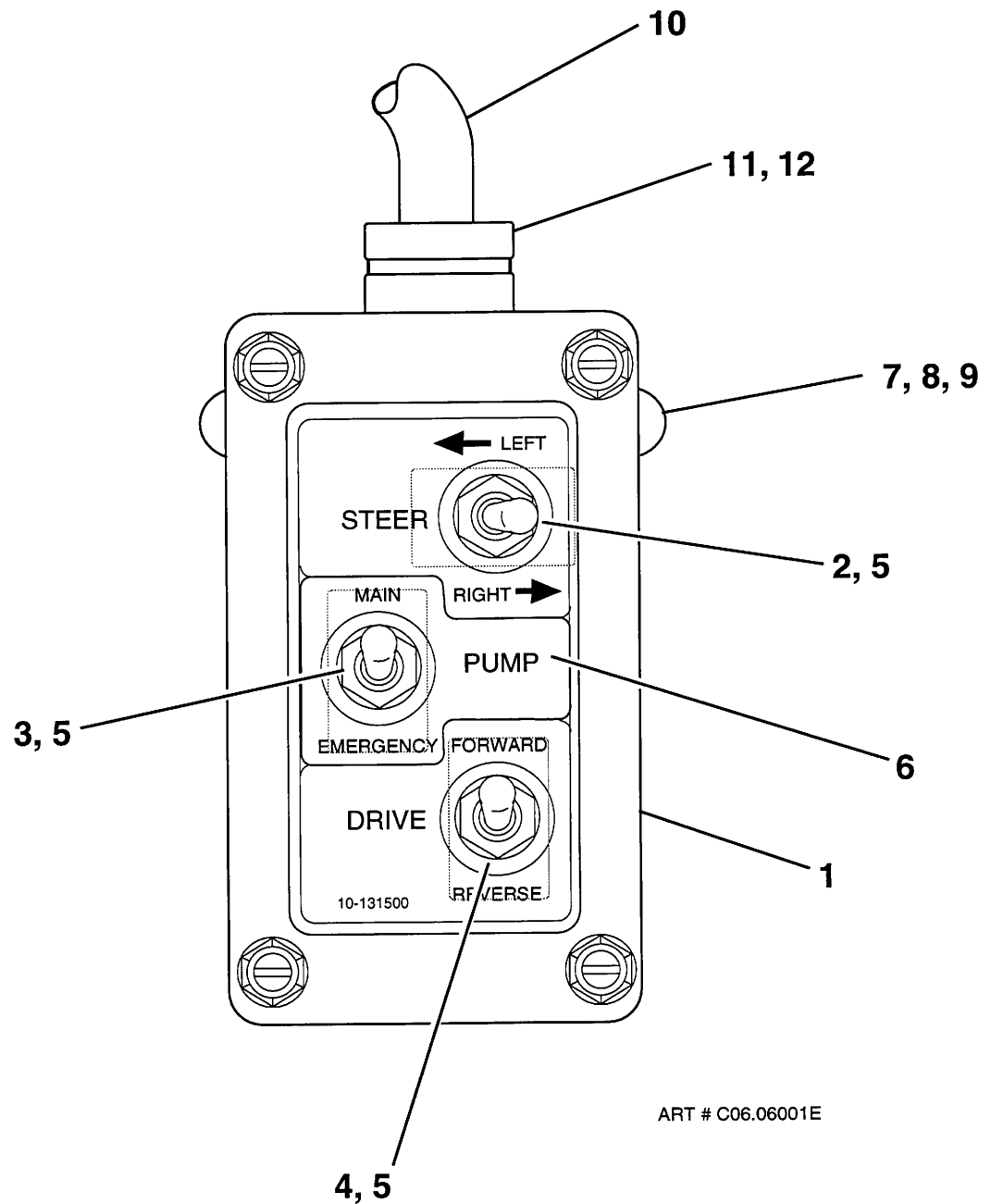
3510225

PLATE
NO.

C06.02

[illegible]

PLATE NO.	C06.06	SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO.	352 9370
-----------	--------	--------------------	--------------------	----------	----------



ART # C06.06001E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 07 SEP., 1995

PART
NO.

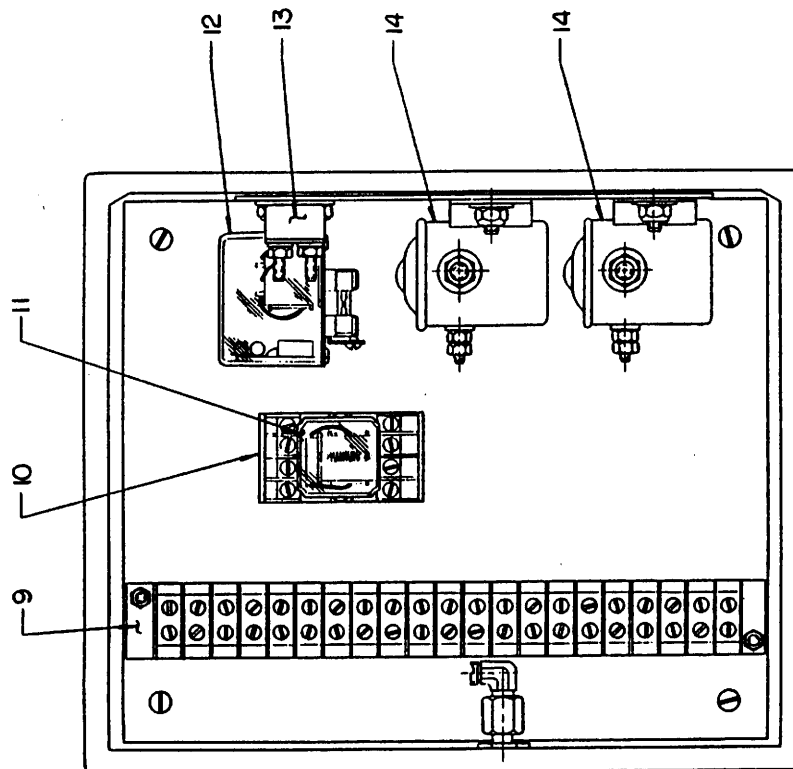
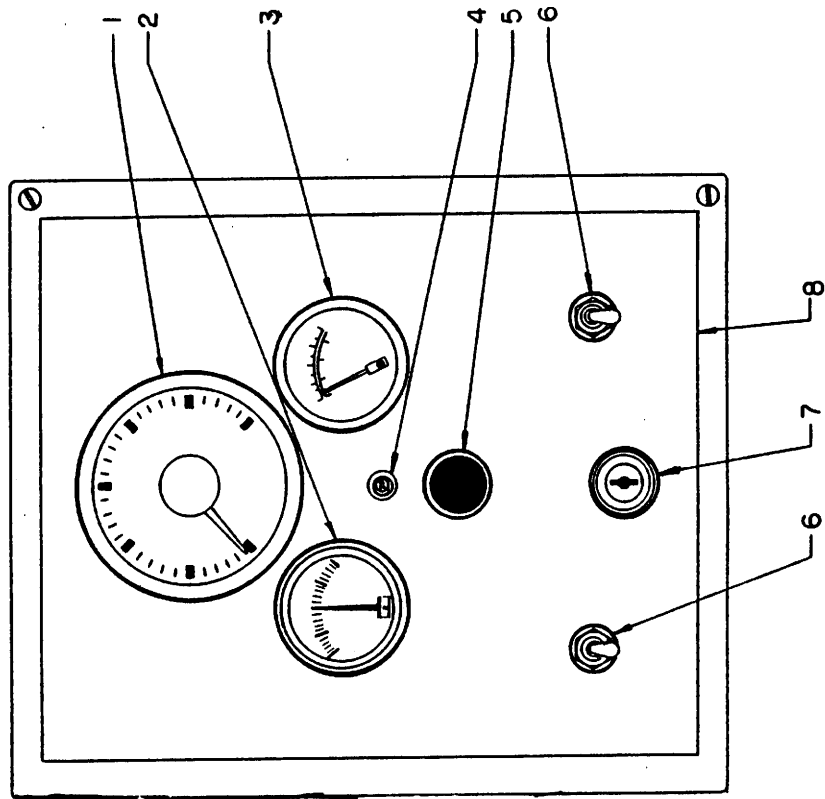
352 9370

PLATE
NO.

C06.06

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-000407		TACHOMETER	1
2	03-030400		AMMETER	1
3	03-030300		OIL PRESSURE GAUGE/SWITCH	1
4	03-024000		CIRCUIT BREAKER, 20 AMP	1
5	03-020300		PUSH BUTTON, SPST	1
6	03-020400		TOGGLE SWITCH, SPST	2
7	03-021000		KEY SWITCH	1
8	10-019600		DECAL	1
9	03-060000		TERMINAL STRIP	1
10	03-050300		SOCKET, RELAY, 8 PIN	1
11	03-050100		CONTROL RELAY, DPDT	1
12	03-032100		CONTROL RELAY, TIMEDELAY	1
13	03-024100		CIRCUIT BREAKER, 10 AMP	1
14	03-051300		RELAY (SOLENOID) SPST	2
DESCRIPTION			PART NO.	
ENGINE CONTROL BOX ASSEMBLY			CAA-206225-5	



1283/0677

DESCRIPTION

ENGINE CONTROL BOX ASSEMBLY

PART NO.

CAA-206225-5

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020500		TOGGLE SWITCH (BOOM EXTEND)	1
2	03-032600		TOGGLE SWITCH (IGN., ENGINE START)	1
3	03-060800		TOGGLE SWITCH GAURD - EMERG. STOP	1
4	03-020300		PUSH BUTTON (HORN, EMERGENCY PUMP)	2
5	10-065400		DECAL (MP SERIES, NON-INSULATED)	1
5	10-065500		DECAL (MP SERIES, INSULATED)	1
5	10-065200		DECAL (MPN SERIES, NON INSULATED)	1
5	10-065600		DECAL (MPN SERIES, INSULATED)	1
6	03-035900		ENCLOSURE	1
7	03-021800	E1.3	JOYSTICK, 5 POSITION (LIFT-STEER, DRIVE-SWING)	2
8	03-036600		MOUNTING RAIL, TERMINAL BLOCK	1
9	03-036500		TERMINAL BLOCK, DOUBLE POLE	4
10	03-036400		TERMINAL BLOCK, SINGLE POLE	20
11	03-063200		CORD GRIP, 3/4"	1
12	03-041000		CORD GRIP, 1/2"	1
13	03-020400		TOGGLE SWITCH (DIESEL OPTION, 2 SPEED THROTTLE)	1
14	03-025300		CONTACT BLOCK, N.O.	1
15	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1
16	03-402500		CHOKE SWITCH DPST	1
17	03-402600		BEZEL, CHOKE SWITCH OPERATOR	1
18	03-402800		SWITCH OPERATOR, CHOKE	1

DESCRIPTION

PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

3508183

PARTS LIST

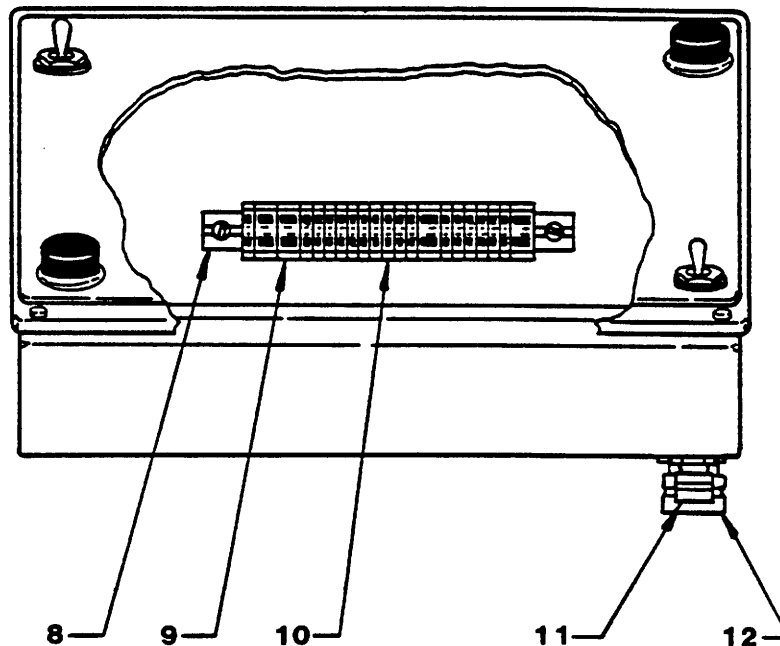
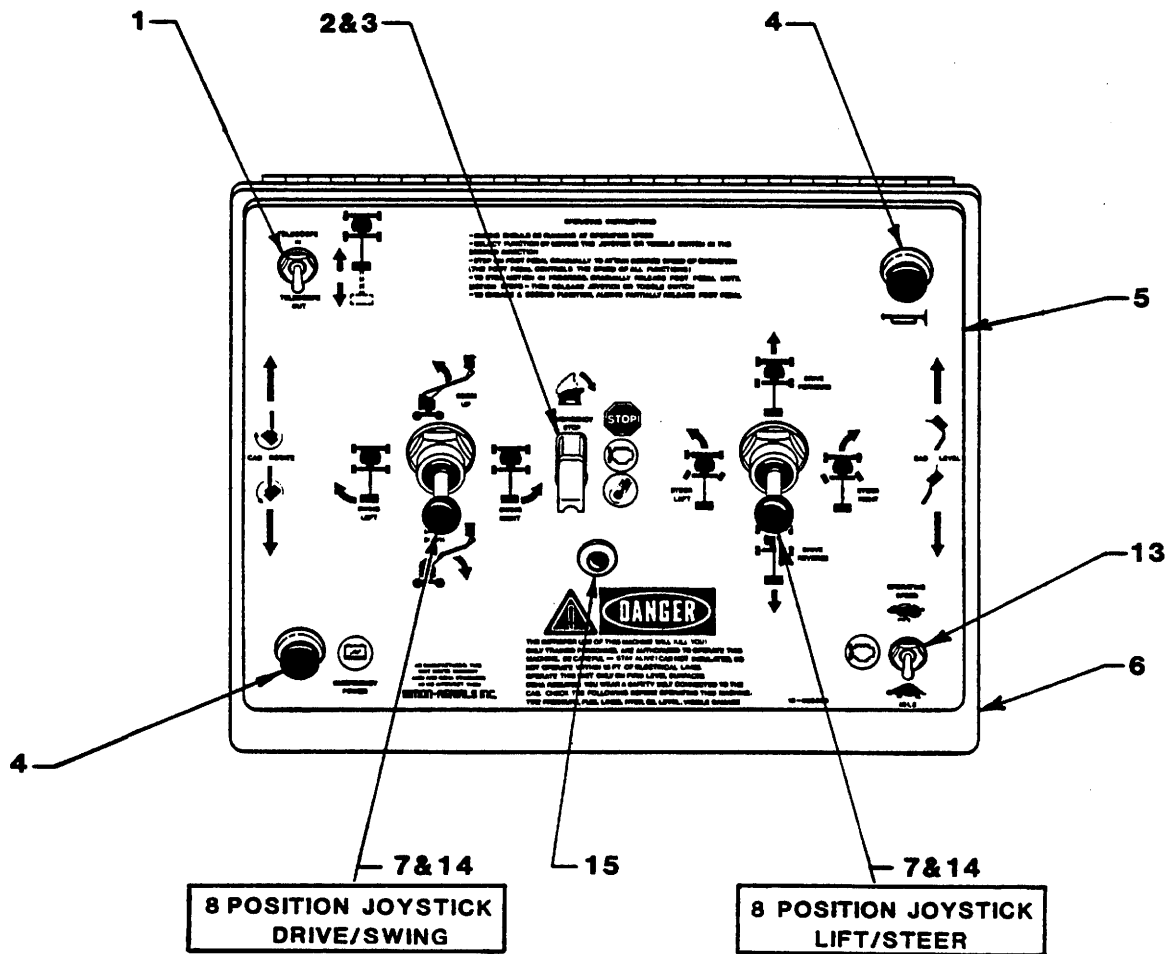
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020500	E1.4	TOGGLE SWITCH (BOOM EXTEND)	1
2	03-032600		TOGGLE SWITCH (IGN., ENGINE START)	1
3	03-060800		TOGGLE SWITCH GUARD - EMERGENCY STOP	1
4	03-020300		PUSH BUTTON (HORN, EMERGENCY PUMP)	2
5	10-065300		DECAL (MPN SERIES, NON INSULATED)	1
5	10-065100		DECAL (MP SERIES, NON INSULATED)	2
6	03-035900		ENCLOSURE	1
7	03-061600		JOYSTICK, 8 POSITION (LIFT-SWING, DRIVE-STEER)	2
8	03-036600		MOUNTING RAIL, TERMINAL BLOCK	1
9	03-036500		TERMINAL BLOCK, DOUBLE POLE	4
10	03-036400		TERMINAL BLOCK, SINGLE POLE	20
11	03-063200		CORD GRIP, 3/4"	1
12	03-041000		CORD GRIP, 1/2"	1
13	03-020400		TOGGLE SWITCH (DIESEL OPTION, 2 SPEED THROTTLE)	1
14	03-025900		CONTACT BLOCK, N.O.	4
15	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1

DESCRIPTION

PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

3510401



DESCRIPTION

PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

3510401

PARTS LIST

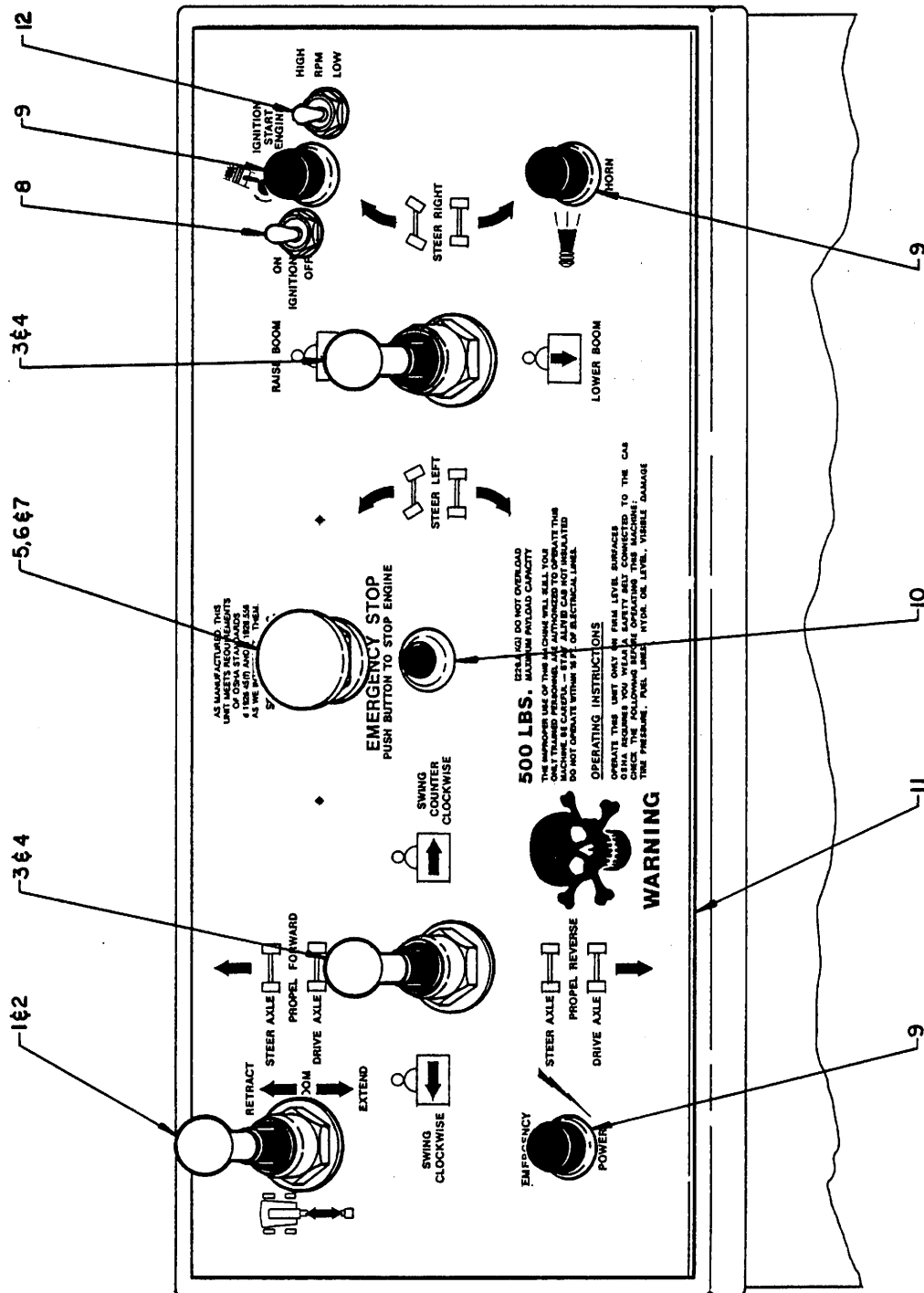
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-021900	E1.5	JOYSTICK (EXTEND)	1
2	03-025400		CONTACT BLOCK	2
3	03-021800	E1.3	JOYSTICK (SWING, PROPEL; LIFT, STEER)	2
4	03-025300		CONTACT BLOCK	4
5	03-064600		PUSH-PULL BUTTON	1
6	03-023100		PUSH-PULL OPERATOR	1
7	03-025000		CONTACT BLOCK, N.C.	1
8	03-020400		TOGGLE SWITCH (IGNITION)	1
9	03-020300		PUSH BUTTON	3
10	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1
11	10-023400		DECAL	1
12	03-020400		TOGGLE SWITCH (THROTTLE, DIESEL OPTION)	1

DESCRIPTION

PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

CAA-207232-4



0884 / 0677

DESCRIPTION

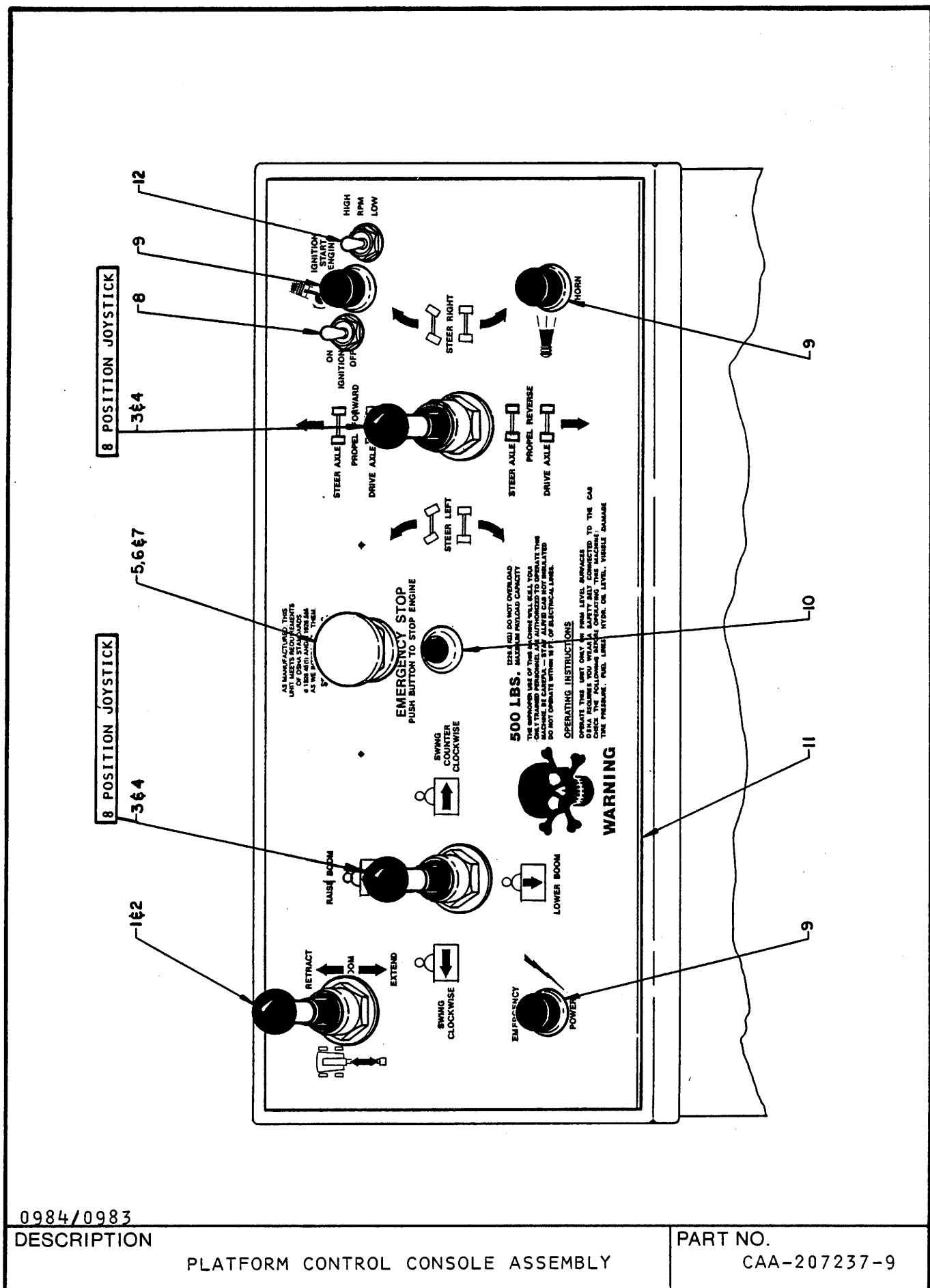
PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

CAA-207232-4

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-061600	E1.4	JOYSTICK (BOOM EXTEND)	1
2	03-025900		CONTACT BLOCK	2
3	03-061600	E1.4	JOYSTICK (LIFT, SWING; DRIVE, STEER)	2
4	03-025900		CONTACT BLOCK	4
5	03-064600		PUSH-PULL BUTTON	1
6	03-023100		PUSH-PULL OPERATOR (EMERGENCY STOP)	1
7	03-025000		CONTACT BLOCK, N.C.	1
8	03-020400		TOGGLE SWITCH (IGNITION)	1
9	03-020300		PUSH BUTTON (ENG. START, HORN, EMER. STOP)	3
10	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1
11	10-024000		DECAL	1
12	03-020400		TOGGLE SWITCH (THROTTLE, DIESEL OPTION)	1
DESCRIPTION			PART NO.	
PLATFORM CONTROL CONSOLE ASSEMBLY			CAA-207237-9	



0984/0983

DESCRIPTION

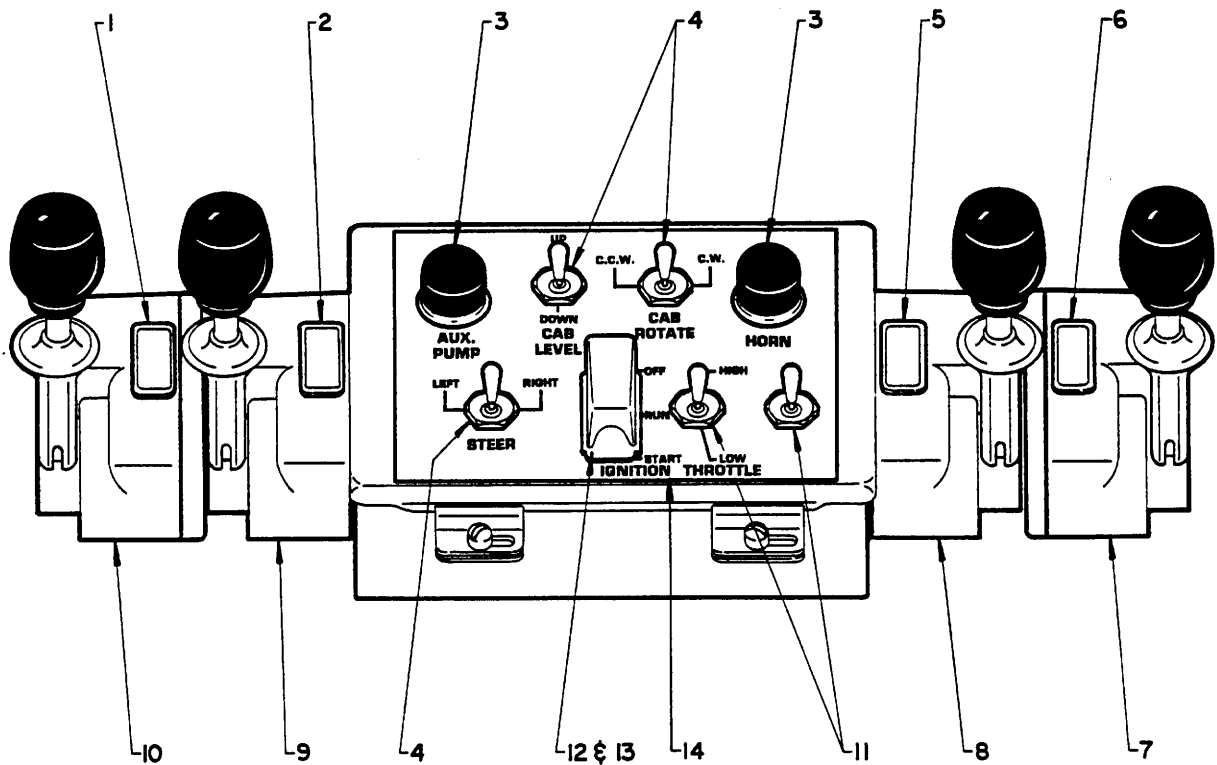
PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

CAA-207237-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-027222		DECAL, TELESCOPE	1
2	03-027223		DECAL, LIFT	1
3	03-020300		PUSH BUTTON, AUX. PUMP & HORN	2
4	03-020500		TOGGLE SWITCH, SPST MOM.	3
5	03-027224		DECAL, SWING	1
6	03-027225		DECAL, DRIVE	1
7	03-027203		CONTROLLER, DRIVE	1
8	03-027205		CONTROLLER, SWING	1
9	03-027204		CONTROLLER, LIFT	1
10	03-027202		CONTROLLER, TELESCOPE	1
11	03-020400		TOGGLE SWITCH, SPST	2
12	03-032600		TOGGLE SWITCH, IGNITION	1
13	03-060800		TOGGLE SWITCH COVER	1
14	SBD- 208842-6		CONTROL CONSOLE DECAL	1
DESCRIPTION			CONTROL CONSOLE (PROPORTIONAL)	PART NO. CAA-208491-2



0885/0885

DESCRIPTION

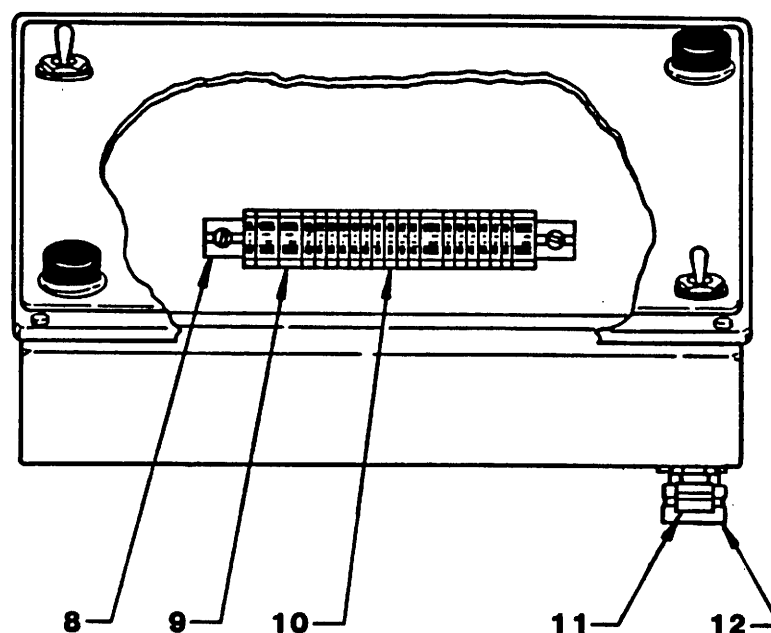
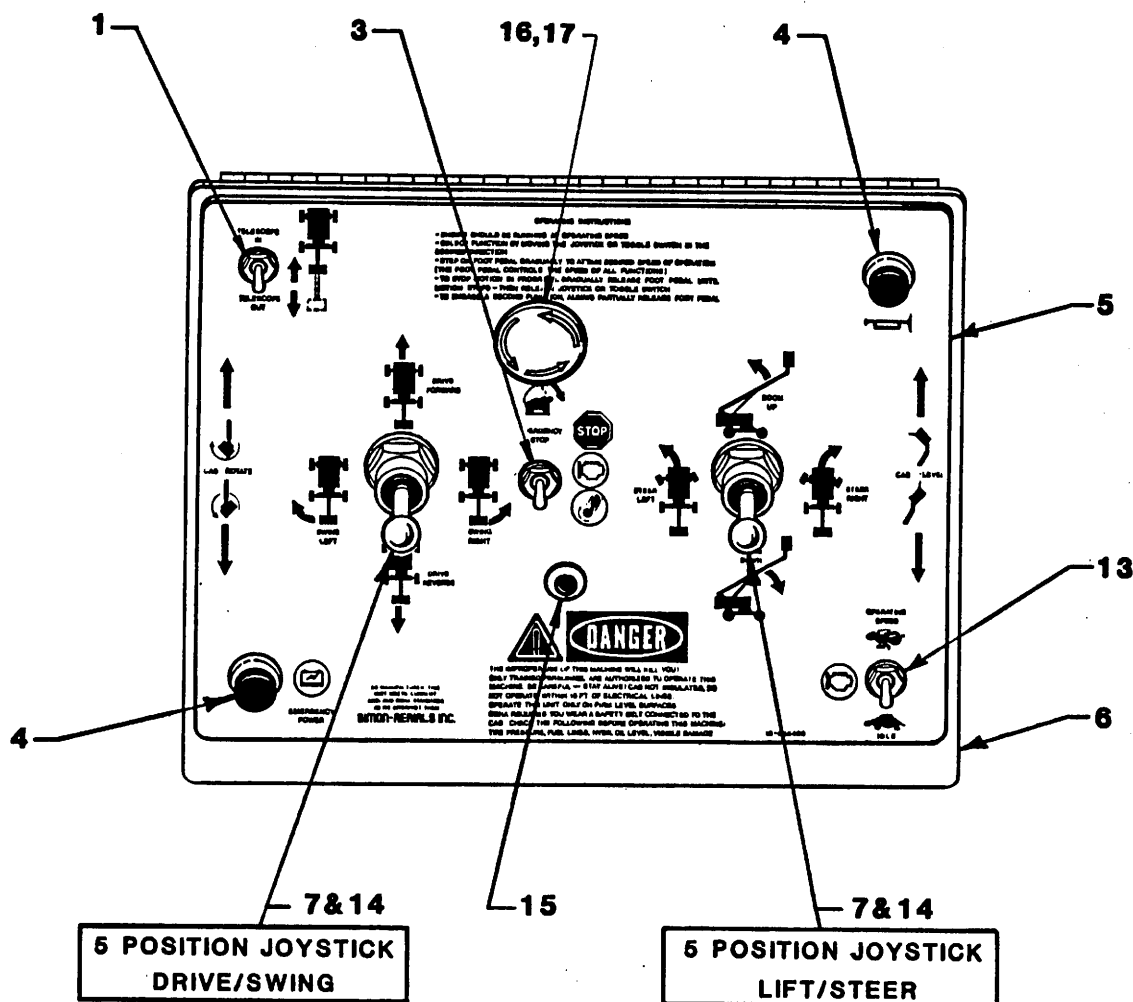
CONTROL CONSOLE (PROPORTIONAL)

PART NO.

CAA-208491-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020500		TOGGLE SWITCH (BOOM EXTEND)	1
2				1
3	03-032600		TOGGLE SWITCH (IGNITION, ENG. START)	1
4	03-020300		PUSH BUTTON (HORN, EMERGENCY PUMP)	2
5	10-065400		DECAL (MP SERIES, NON-INSULATED)	1
5	10-065500		DECAL (MP SERIES, INSULATED)	1
5	10-065200		DECAL (MPN SERIES, NON INSULATED)	1
5	10-065600		DECAL (MPN SERIES, INSULATED)	1
6	03-035900		ENCLOSURE	1
7	03-021800	E1.3	JOYSTICK, 5 POSITION (LIFT-STEER, DRIVE-SWING)	2
8	03-036600		MOUNTING RAIL, TERMINAL BLOCK	1
9	03-036500		TERMINAL BLOCK, DOUBLE POLE	4
10	03-036400		TERMINAL BLOCK, SINGLE POLE	20
11	03-063200		CORD GRIP, 3/4"	1
12	03-041000		CORD GRIP, 1/2"	1
13	03-020400		TOGGLE SWITCH (DIESEL OPTION, 2 SPEED THROTTLE)	1
14	03-025300		CONTACT BLOCK, N.O.	1
15	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1
16	03-409800		EMERGENCY STOP SWITCH OPERATOR	1
17	03-409900		MOUNTING BASE & CONTACT BLOCK (N.C.)	1
DESCRIPTION			PART NO.	
PLATFORM CONTROL CONSOLE				



0886/0686

DESCRIPTION

PLATFORM CONTROL CONSOLE

PART NO.

PARTS LIST

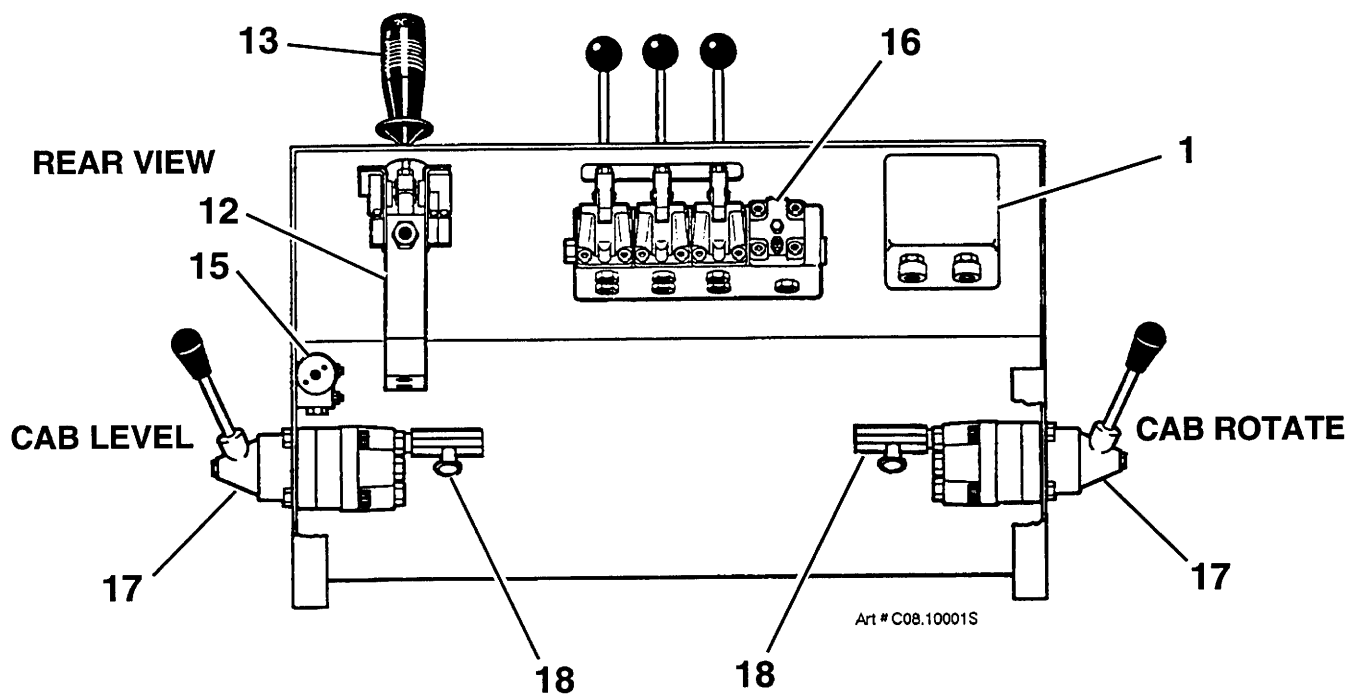
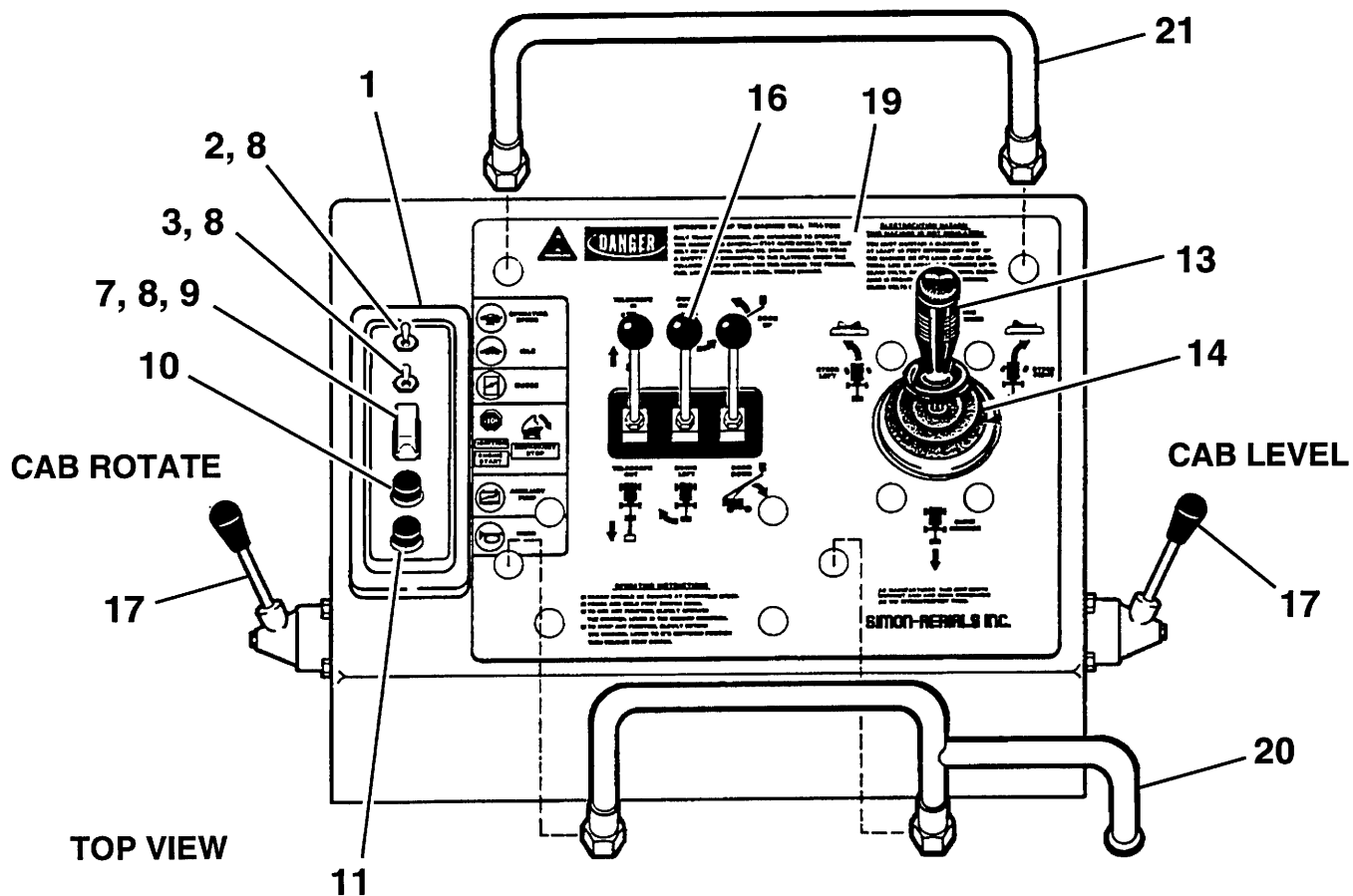
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	211 0650		BOX, PLATFORM ELECTRICAL CONTROL	1
2	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
3	03-020500		SWITCH, TOGGLE (Choke) (3 position, intermittent contact, single pole, double throw)	1
4	03-402500		SWITCH, PUSHBUTTON (optional Choke Button) (not shown)	1
5	03-402600		BEZEL, SWITCH (for optional Choke Button)	1
6	03-402800		BUTTON (Blue, for optional Choke Button)	1
7	03-032600		SWITCH, TOGGLE (Engine ignition) (3 position)	1
8	03-497900		SEAL, PANEL	3
9	03-060800		GUARD, SWITCH	1
10	03-020300		SWITCH, PUSHBUTTON (with black cap. Red cap can be supplied for this application. Please indicate on order.)	1
11	03-020300		SWITCH, PUSHBUTTON (with black cap)	1
12	See index . .	D18.02	VALVE, DRIVE CONTROL	1
13	See index . .	E01.07	HANDLE ASSEMBLY, DRIVE CONTROL	1
14	03-402206		BOOT, DRIVE CONTROL HANDLE	1
15	01-034400		VALVE, 2-WAY SOLENOID	1
16	01-061700	C02.30	VALVE BANK ASSEMBLY (Lift, Swing, Telescope) Standard type (not for use with water-glycol hydraulic fluid)	1
	01-099500	C02.31	VALVE BANK ASSEMBLY (Lift, Swing, Telescope) Optional type (can be used with water-glycol hydraulic fluid)	1
17	See index . .	D14.03	VALVE, 4-WAY MANUAL (Platform level or rotate)	2
18	01-018900		VALVE, FLOW CONTROL (#6 SAE ports)	2
19	10-084800		DECAL, CONTROL CONSOLE for MP Series	1
	10-065300		for MPN Series	
20	211 4320		GRAB BAR (lower)	1
21	211 4310		GRAB BAR (upper)	1
22	03-463700		SWITCH, TOGGLE (for optional 2-Speed Drive) (3 position) (not shown)	1
23	10-091300		DECAL, TWO-SPEED DRIVE (option) (not shown)	1
24	03-022900		LIGHT, PILOT (12 Volt DC) (option) (not shown)	1
25	211 2260		COVER, PLATFORM CONTROLS (option) (not shown)	1

TITLE CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

PLATE NO. C08.10 SIMON AERIALS INC.

REV. 06 JUN., 1995

PART NO.



TITLE

CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 06 JUN., 1995

PART
NO.

PLATE
NO. C08.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	219 6160 210 5560		CONSOLE, CONTROL Later version, for models with Emergency Stop button . Earlier version, for models with red toggle switch cover .	1
2	10-157200 10-123500		PLACARD, PLATFORM CONTROL Later version, for models with Emergency Stop button . Earlier version, for models with red toggle switch cover for Emergency Stop.	1
3	03-702000		BUTTON, EMERGENCY STOP (Red "pull to release" style)	1
4	03-454900		BASE, CONTACT BLOCK	1
5	03-437300		BLOCK, CONTACT (Normally closed)	1
6	03-060800		GUARD, SWITCH (Red) (for earlier version)	1
7	03-032600		SWITCH, TOGGLE (Engine start) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
8	03-032600		SWITCH, TOGGLE (Engine speed) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
9	03-497900		SEAL, PANEL	3
10	03-020300		SWITCH, PUSH BUTTON (Auxiliary pump)	1
11	03-020302		CAP, PUSH BUTTON SWITCH (Red)	1
12	03-706400		DIODE, LIGHT-EMITTING (L.E.D.) (Red, 12 Volt) (Later version. No holder or resister needed)	1
13	03-481200		DIODE, BLINKING (Red) (Optional engine warning lamp) (Earlier version. Requires holder and resister below)	1
14	03-481300		HOLDER, DIODE	1
15	03-481100		RESISTOR (470 Ohm)	1
16	03-020400		SWITCH, TOGGLE (Drive speed) (Optional two speed drive) (2 position, maintained contact, single pole, single throw)	1
17	03-020300		SWITCH, PUSH BUTTON (Horn)	1
18	03-020301		CAP, PUSH BUTTON SWITCH (Black)	1

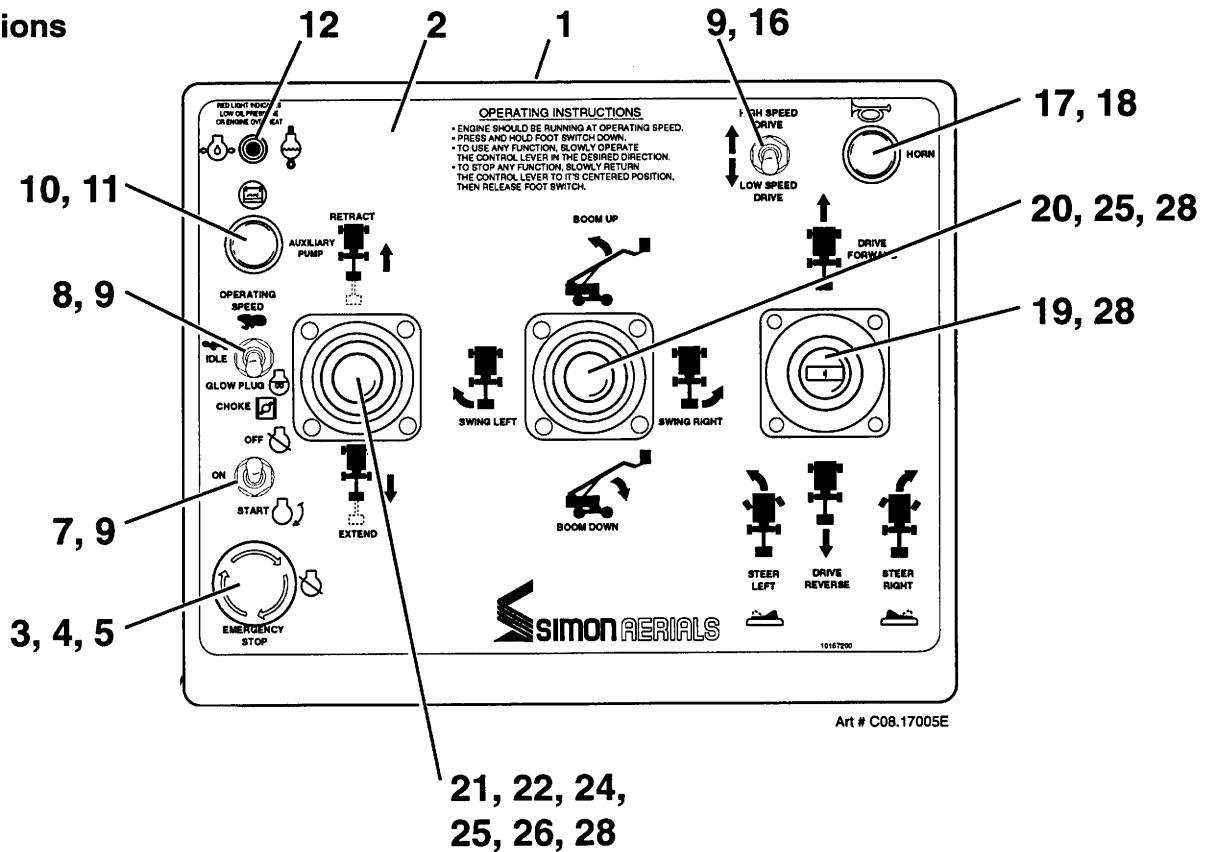
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (1 OF 4)

PLATE NO. C08.17 **SIMON AERIALS INC.**

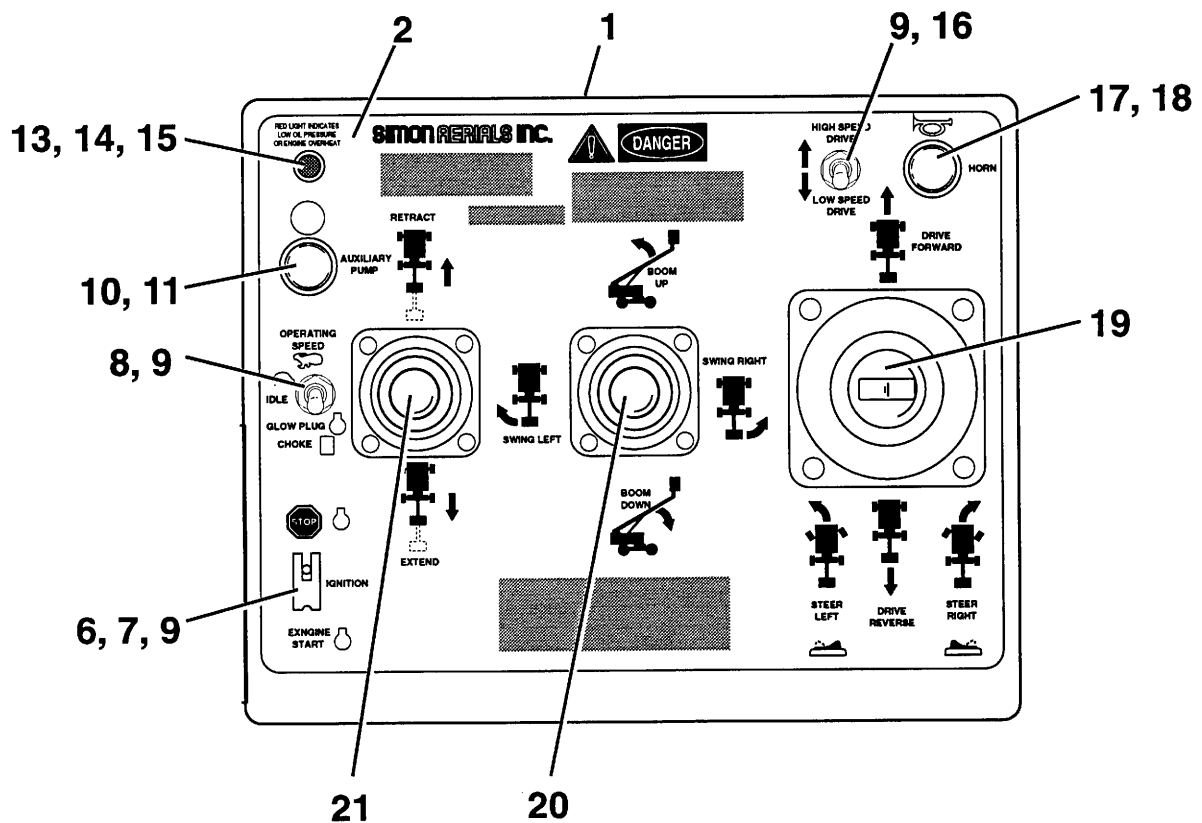
NEW 02 DEC., 1994

PART NO.

Later Versions



Earlier Versions



TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (1 OF 4)

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

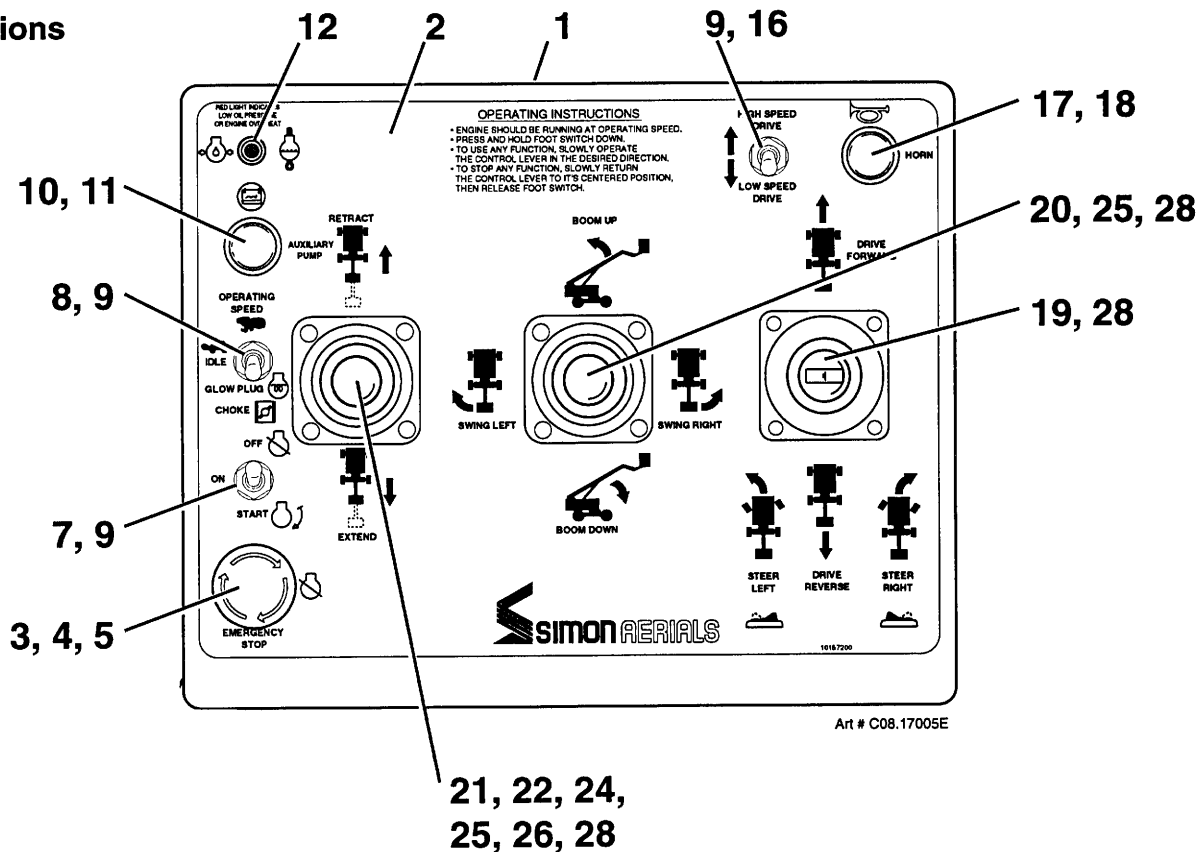
[illegible]

TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (2 OF 4)

PLATE NO. C08.17	SIMON AERIALS INC.	NEW 02 DEC., 1994
-----------------------------------	---------------------------	-------------------

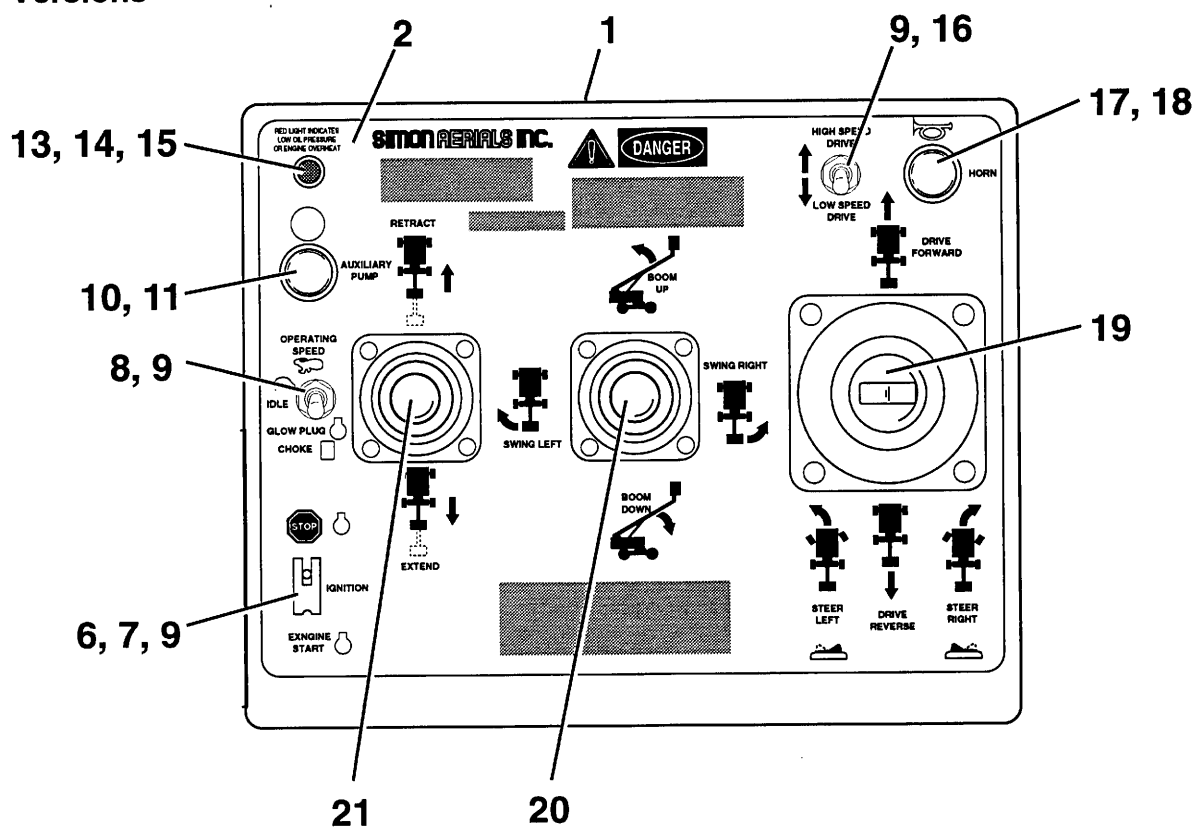
PART
NO.

Later Versions



Art # C08.17005E

Earlier Versions



TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (2 OF 4)

SIMON AERIALS INC.

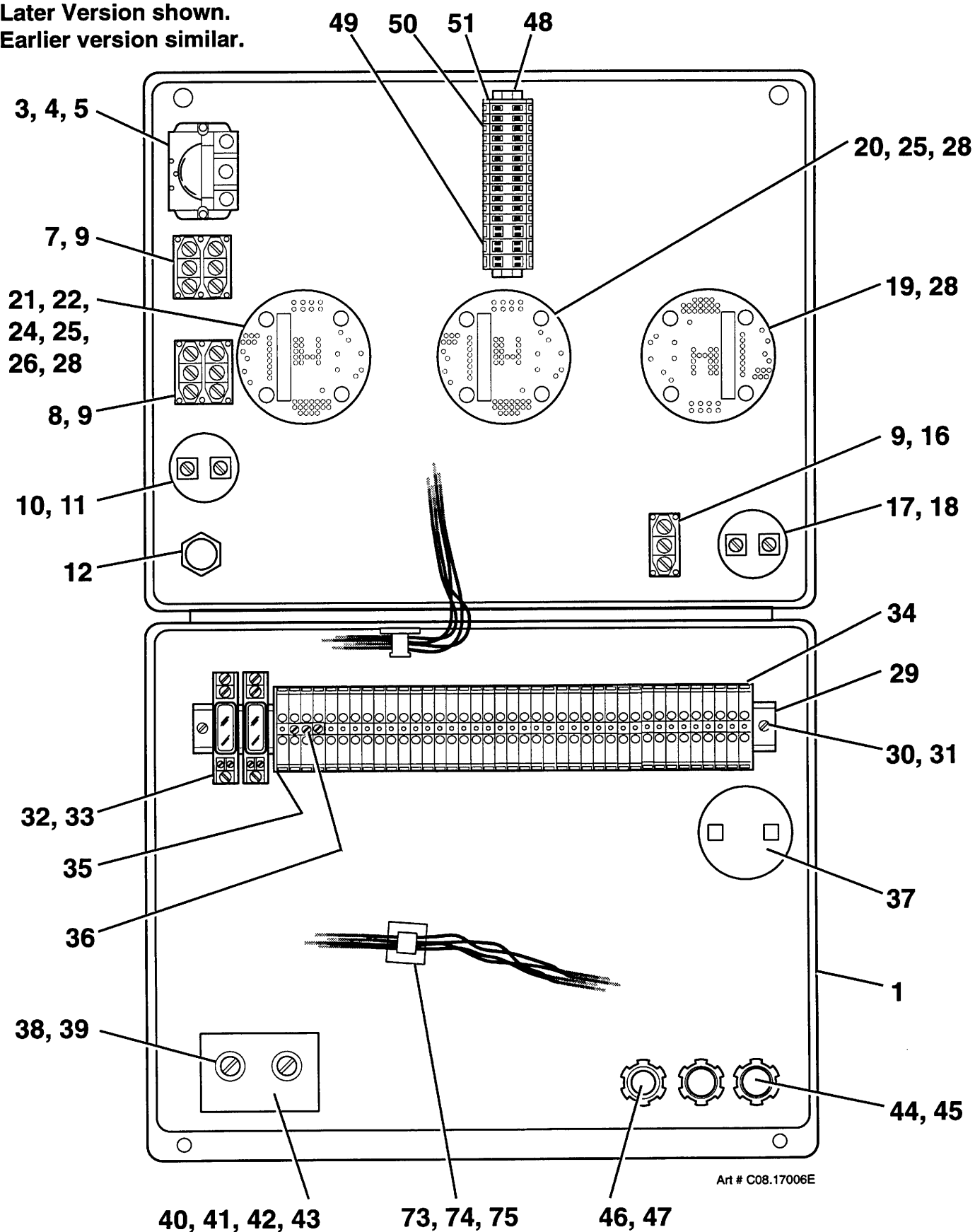
NEW 02 DEC., 1994

PART
NO.

PLATE
No. C08.17

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
29	03-051700		RAIL, TERMINAL (1-3/8" [35 mm] wide) (1 M [39.37"] long section) (12" [305 mm] long piece needed here)	1
30	07-011800		SCREW, SHEET METAL PAN HEAD (#6 x 3/4")	2
31	07-050007		NUT, STOP (#6-32, Grade 5)	2
32	03-051600		SOCKET, RELAY (Single pole, snap mount)	2
33	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	2
34	03-066200 03-039100		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire) BLOCK, TERMINAL (Grounding, for #12 Gauge wire) (on some earlier versions)	39 2
35	03-066100		PLATE, TERMINAL BLOCK END	1
36	03-066300 03-067500		BAR, JUMPER (2 pole) (Double line jumper) BAR, JUMPER (3 pole) (Triple line jumper)	A.R. A.R.
	03-707200		BAR, JUMPER (4 pole) (Quad line jumper)	A.R.
37	03-501800		ALARM (Dual tone)	1
38	03-027231		POTENTIOMETER (10 K Ohm)	2
39	03-044900		LOCK, SHAFT	2
40	2194180		BRACKET, POTENTIOMETER MOUNTING	1
41	07-011800		SCREW, SHEET METAL PAN HEAD (#6 x 3/4")	2
42	07-050007		NUT, STOP (#6-32, Grade 5)	2
43	07-090063		WASHER, EXTERNAL TOOTH (#6)	2
44	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	2
45	03-055600		NUT, CONDUIT (3/4")	2
46	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	1
47	03-055500		NUT, CONDUIT (1/2")	1
48	03-036600		RAIL, TERMINAL (5/8" [16 mm] wide) (1M [39.37"] long section. Cut to fit.)	A.R.
49	03-036500		BLOCK, TERMINAL (4 conductor, for #16 to #24 Gauge wire)	3
50	03-036400		BLOCK, TERMINAL (2 conductor, for #16 to #24 Gauge wire)	12
51	03-036700		PLATE, TERMINAL BLOCK END	1
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (3 OF 4)				
PLATE NO.	C08.17	SIMON AERIALS INC.		PART NO.
				NEW 02 DEC., 1994

Later Version shown.
Earlier version similar.



TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (3 OF 4)

SIMON AERIALS INC.

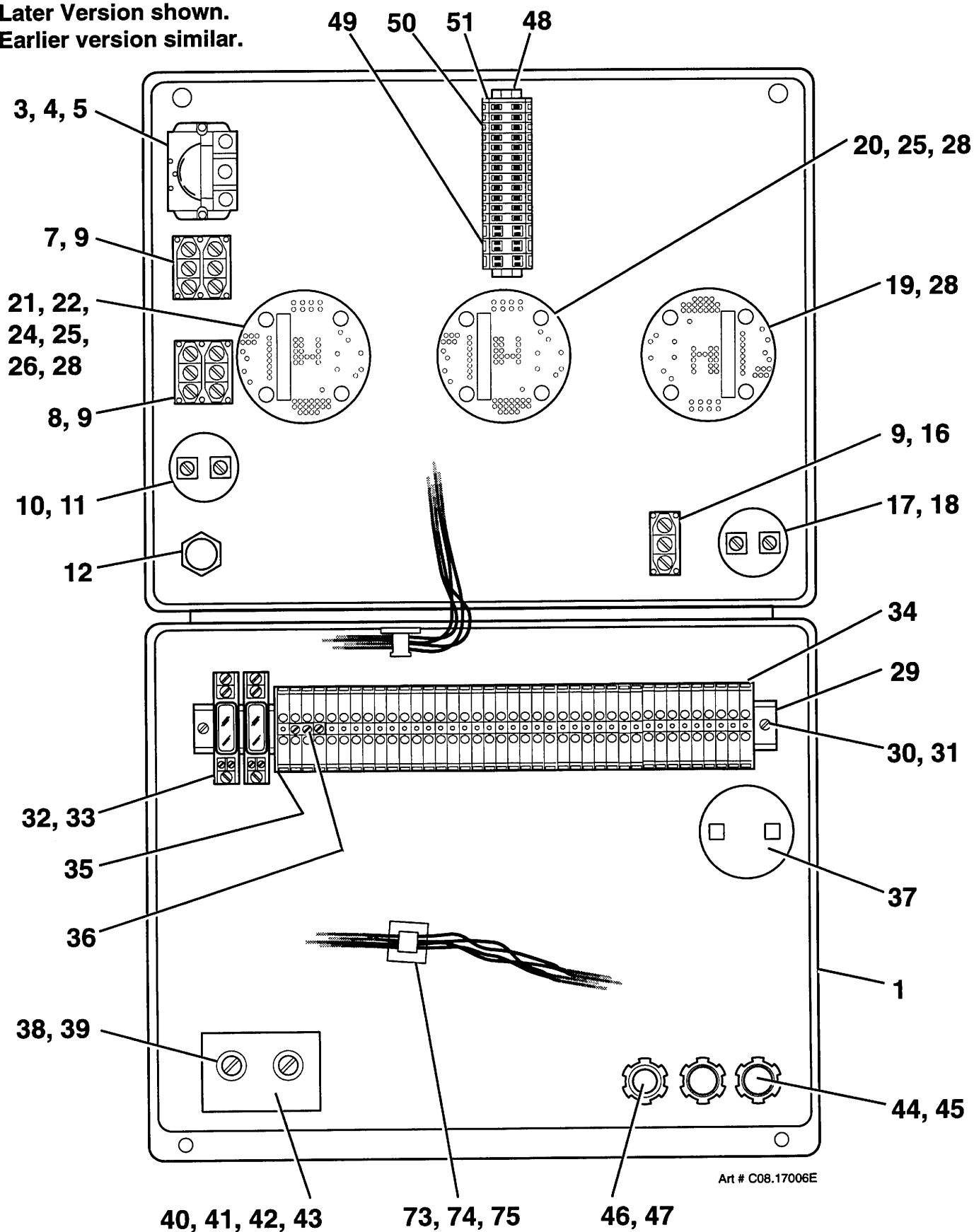
NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following hardware items, listed for your convenience, are typically used in Simon electrical control boxes:	
52	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG) (Bulk item, order as needed)	
53	03-446100		CABLE, ELECTRICAL (10 conductor, #18 AWG) (Bulk item, order as needed)	
54	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue, stranded) (Bulk item)	
55	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)	
56	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)	
57	03-403800		DIODE	
58	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	
59	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	
60	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	
61	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	
62	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	
63	03-098400		TERMINAL, END (Blue, #14-16 AWG)	
64	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	
65	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	
66	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	
67	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	
68	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	
69	03-095900		TERMINAL, RING (Red, #8 stud)	
70	03-066800		LOOM, WIRE (1/2")	
71	03-066900		LOOM, WIRE (3/4")	
72	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	
73	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	
74	03-064000		TIE, CABLE (7.4" [188 mm] long)	
75	03-064100		MOUNT, CABLE TIE (Adhesive backed)	
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (4 OF 4)				
PLATE NO. C08.17		SIMON AERIALS INC.		PART NO.
NEW 02 DEC., 1994				

Later Version shown.
Earlier version similar.



Art # C08.17006E

TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (4 OF 4)

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			TANK, HYDRAULIC (Capacity 35.3 gallons [133.6 liters]) Standard tank: Tank is 32" (.8 M) high x 24-1/4" (.62 M) long: Battery tray measures 7-1/2" x 12-7/8" (190 x 327 mm). Has 1-1/2" and 2" NPT flanges under battery tray. Has no NPT fitting on underside for drain.	1
	200 3104			
	217 7150		Optional tanks: Tank is 32" (.8 M) high x 24-1/4" (.62 M) long: Battery tray measures 7-1/2" x 12-7/8" (190 x 327 mm). Has (2) 1" and (2) 1-1/2" NPT flanges under tray. Has 2" NPT fitting on underside for drain.	
	216 5650		No battery tray. Has (2) 1" and (2) 1-1/2" NPT flanges. Has 2" NPT fitting on underside for drain.	
	218 2670		Battery tray measures 8" x 17-3/8" (203 x 441 mm). Has 4" NPT flange under tray for optional strainer. Has 2" NPT fitting on underside for drain.	
	209 7073		Tank is 25-1/4" (.64 M) high x 24-1/4" (.62 M) long: Has 1-1/2" and 2" NPT flanges. Has no battery tray. Has no NPT fitting on underside for drain.	
	231 2960		Tank is 32" (.8 M) high x 18-1/2" (.47 M) long: Has (2) 1-1/2" NPT flanges. Has no battery tray. Has no NPT fitting on underside for drain.	
2	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
3	07-065018		WASHER, HELICAL LOCK (1/2")	4
4	07-062018		WASHER, FLAT (1/2")	8
5	10-033800	D12.05	GAUGE, SIGHT (14" [35.56 cm] long)	1
6	10-002100		CAP, HYDRAULIC TANK FILLER	1
7	10-001000		STRAINER ASSEMBLY	1
8	01-008200		PLUG, VENT (with 40 micron filter)	1
9	See Index	D07. - -	PUMP, EMERGENCY HYDRAULIC	1
10	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
11	07-065016		WASHER, HELICAL LOCK (3/8")	2
12	07-062016		WASHER, FLAT (3/8")	2
13	11-050050		PLUG, SQUARE HEAD (2" NPT) (when 1-1/2" ball valve is used, on tanks without optional suction strainer)	1
	11-075100		PLUG, SQUARE HEAD (1-1/2" NPT) (when 2" ball valve is used, on tanks without optional suction strainer)	1
14	11-075800		NIPPLE, PIPE (1-1/2" NPT, 3" long)	1
	11-020016		NIPPLE, PIPE (2" NPT, 2-1/2" long) (some applications)	1
15	01-063000		VALVE, BALL (Shutoff valve) (1-1/2" NPT)	1
	01-018400		VALVE, BALL (Shutoff valve) (2" NPT) (some applications)	1
16	01-200900		STRAINER, SUCTION (option)	1

TITLE HYDRAULIC TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

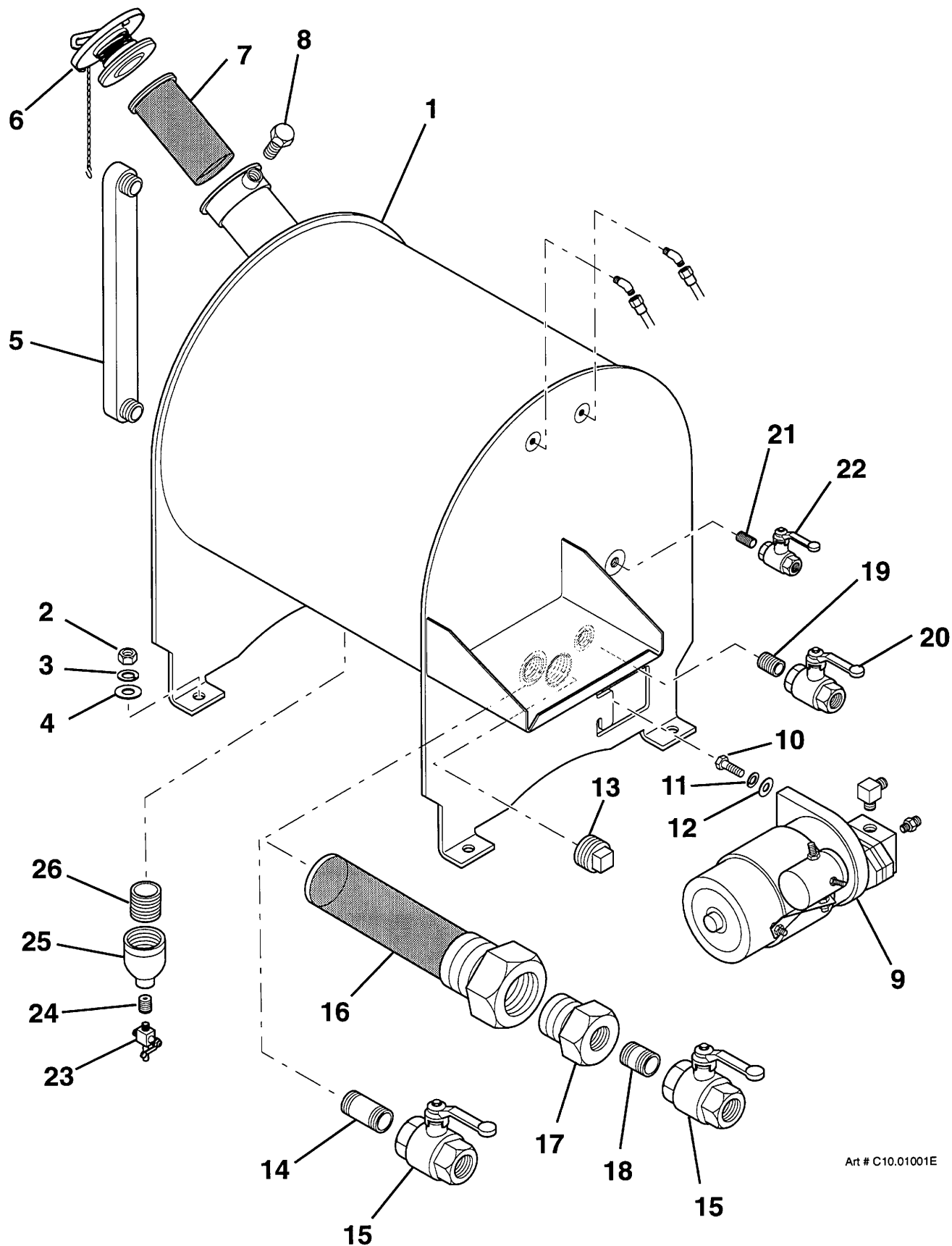
PLATE NO.

C10.01

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART NO.



Art # C10.01001E

TITLE HYDRAULIC TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART
NO.

PLATE
NO. C10.01

PARTS LIST

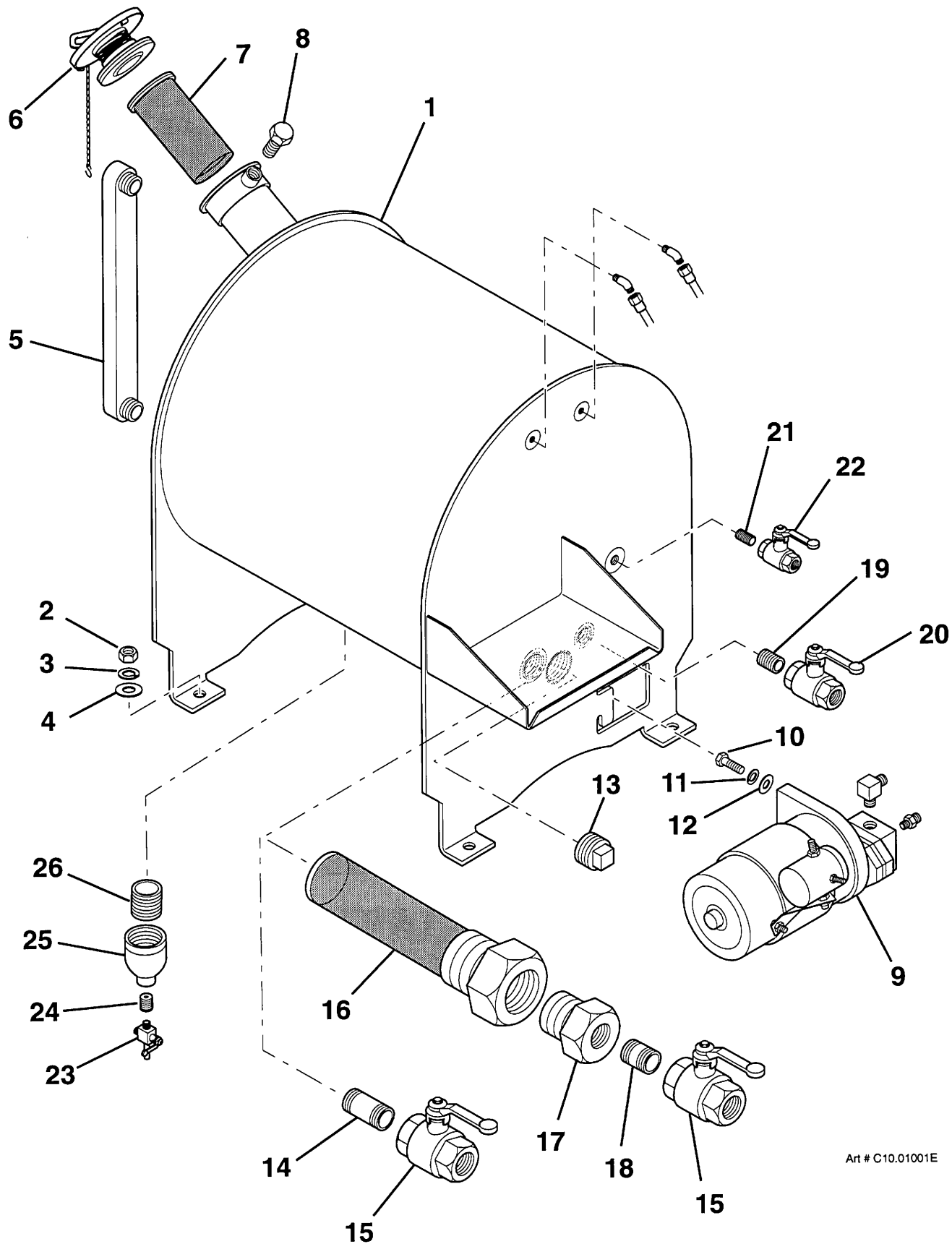
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
17	11-085000		BUSHING, REDUCER (3" to 1-1/2") (with optional strainer)	1
	---		BUSHING, REDUCER (3" to 2") (with optional strainer)	1
18	11-071500		CLOSE NIPPLE (1-1/2") (with optional strainer)	1
	11-020017		CLOSE NIPPLE (2") (with optional strainer)	1
19	11-020014		CLOSE NIPPLE, PIPE (1" NPT)	1
20	01-068500		VALVE, BALL (Shutoff valve) (1" NPT)	1
21	11-203200		NIPPLE, PIPE (1/2" x 1-1/8")	1
22	01-002800		VALVE, BALL (Shutoff valve) (1/2" NPT)	1
23	01-015800		DRAIN COCK (Brass, 1/2" NPT) (option)	1
24	11-020019		CLOSE NIPPLE (1/2")	1
25	11-061900		REDUCER, BELL (2" x 1/2")	1
26	11-020017		CLOSE NIPPLE (2")	1
			The following items may be found on a typical installation:	
27	01-226000		FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)	1
28	03-466900		HEATER, TANK (120 Volt AC) (option, not shown)	1
29	06-040500		ADAPTER, "O"-RING TO 37° (10-8 F5OX-S)	1
30	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
31	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1
32	06-197000		CONNECTOR, HOSE (Beaded) (2" NPT, for 2" hose)	1
33	06-191500		CONNECTOR, HOSE (Beaded) (1-1/2" NPT, 1-1/2" hose)	1
34	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
35	06-001700		CONNECTOR, MALE (12-8 FTX-S)	1
36	06-001800		CONNECTOR, MALE (12 FTX-S)	1
37	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	1
38	11-050001		90° ELBOW, FEMALE PIPE (2")	1
39	11-050002		90° ELBOW, FEMALE PIPE (1-1/2")	1
40	11-050023		90° STREET ELBOW (1-1/2")	1
41	06-004100		90° ELBOW, MALE 37° TO NPT (6-8 CTX-S)	1
42	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	1
43	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S)	1
44	06-045500		90° ELBOW, "O"-RING TO 37° (12-10 C5OX-S)	1
45	06-045100		90° ELBOW, "O"-RING TO 37° (10-8 C5OX-S)	1
46	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
47	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S)	1
48	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
49	06-080500		90° STREET ELBOW (1/2 CD-S)	1
50	11-020017		CLOSE NIPPLE (2")	1
51	11-075300		TEE, FEMALE PIPE THREAD (1-1/2 x 1-1/2 x 3/4)	1
52	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
53	06-056300		BRANCH TEE, MALE SWIVEL NUT (12 S6X-S)	1
54	06-074900		ADAPTER TEE, PIPE THREAD (1/2 MRO)	1

TITLE HYDRAULIC TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

PLATE NO. C10.01 **SIMON AERIALS INC.**

REV. 08 SEP., 1995

PART NO.



Art # C10.01001E

TITLE HYDRAULIC TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART
NO.

PLATE
NO. **C10.01**

PARTS LIST

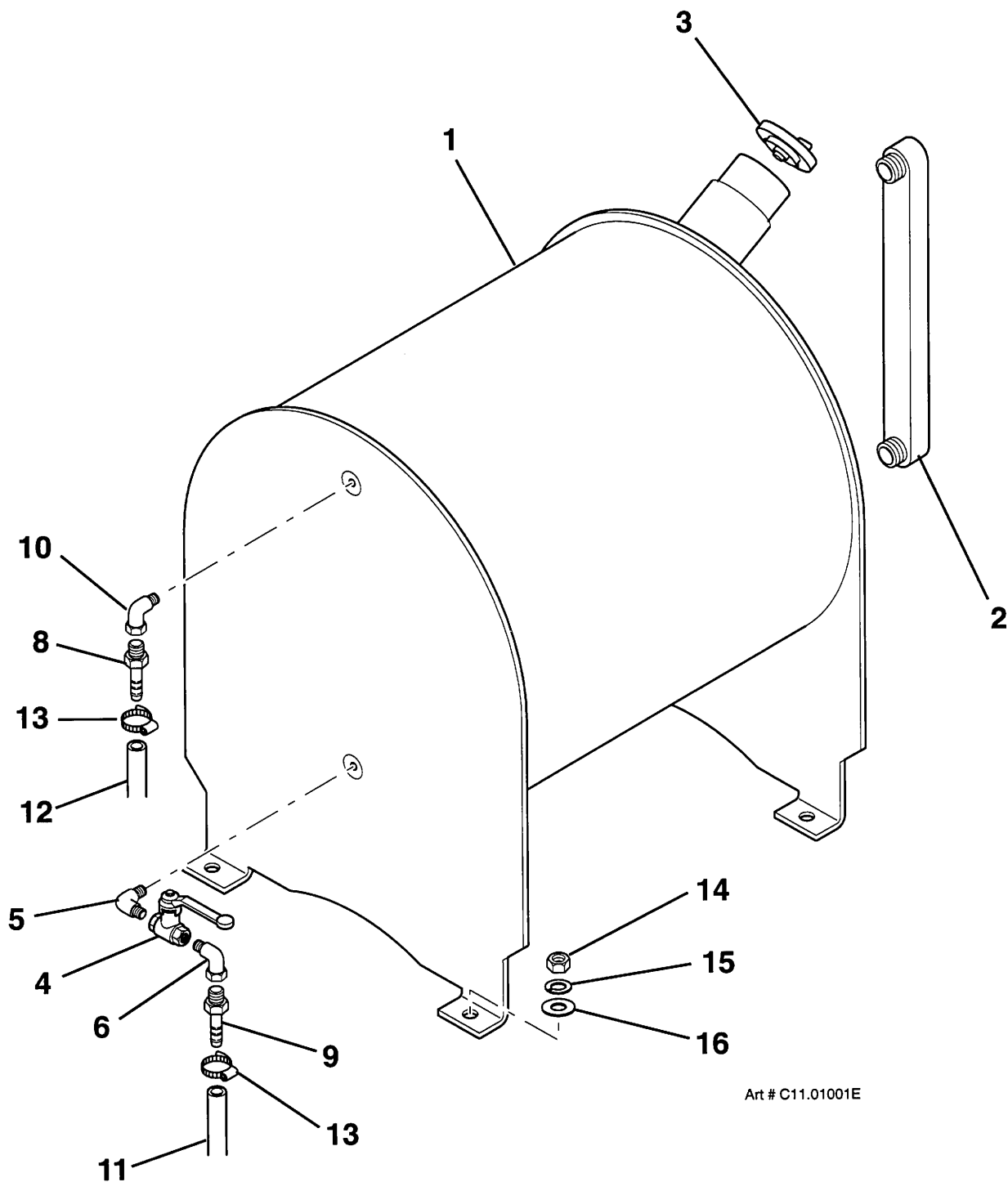
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3500763 3500781		TANK ASSEMBLY, FUEL Standard tank assembly for Gasoline engines Standard tank assembly for Diesel engines	1
1			TANK WELDMENT, FUEL [Capacity 35.3 gallons (133.6 liters)]	1
2	2003034 2097060 10-033800	D12.05	Standard tank: overall height is 32" (.81 M) Optional tank: overall height is 25-1/4" (.64 M) GAUGE, SIGHT [14" (35.56 cm) long]	1
3	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
4	01-032800		VALVE, SHUTOFF (1/4" NPT)	1
			The following items may be found on a typical installation:	
5	06-082500		ELBOW, PIPE THREAD ADAPTER (1/4 CR-S)	1
6	06-080200		ELBOW, STRAIGHT/ PIPE THREAD (1/4 CD-S)	1
7	06-000400		CONNECTOR, MALE (4-4 FTX-S)	1
8	11-050401		FITTING, HOSE (Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
9	11-050403		FITTING, HOSE (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
10	06-080200		90° STREET ELBOW (1/4 CD-S) (for Diesel engine)	1
	11-075400		PLUG (except Diesel engine)	1
	06-079800		SQUARE HEAD (1/4" NPT) (option with 06-079800) HEX SOCKET NPT (1/4 HHP-S) (option with 11-075400)	
			The items listed below are not part of Fuel Tank Assembly:	
11			HOSE, FUEL FEED (5/16" I.D.)	A.R.
12			HOSE, FUEL RETURN (1/4" I.D.)	A.R.
13	09-004600		CLAMP, HOSE (Worm type, 1/4" to 5/8")	2
14	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
15	07-065018		WASHER, LOCK (1/2")	4
16	07-062018		WASHER, FLAT (1/2")	4

TITLE FUEL TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

PLATE NO. C11.01 **SIMON AERIALS INC.**

REV. 29 JUN., 1994

PART NO.



Art # C11.01001E

TITLE FUEL TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)

SIMON AERIALS INC.

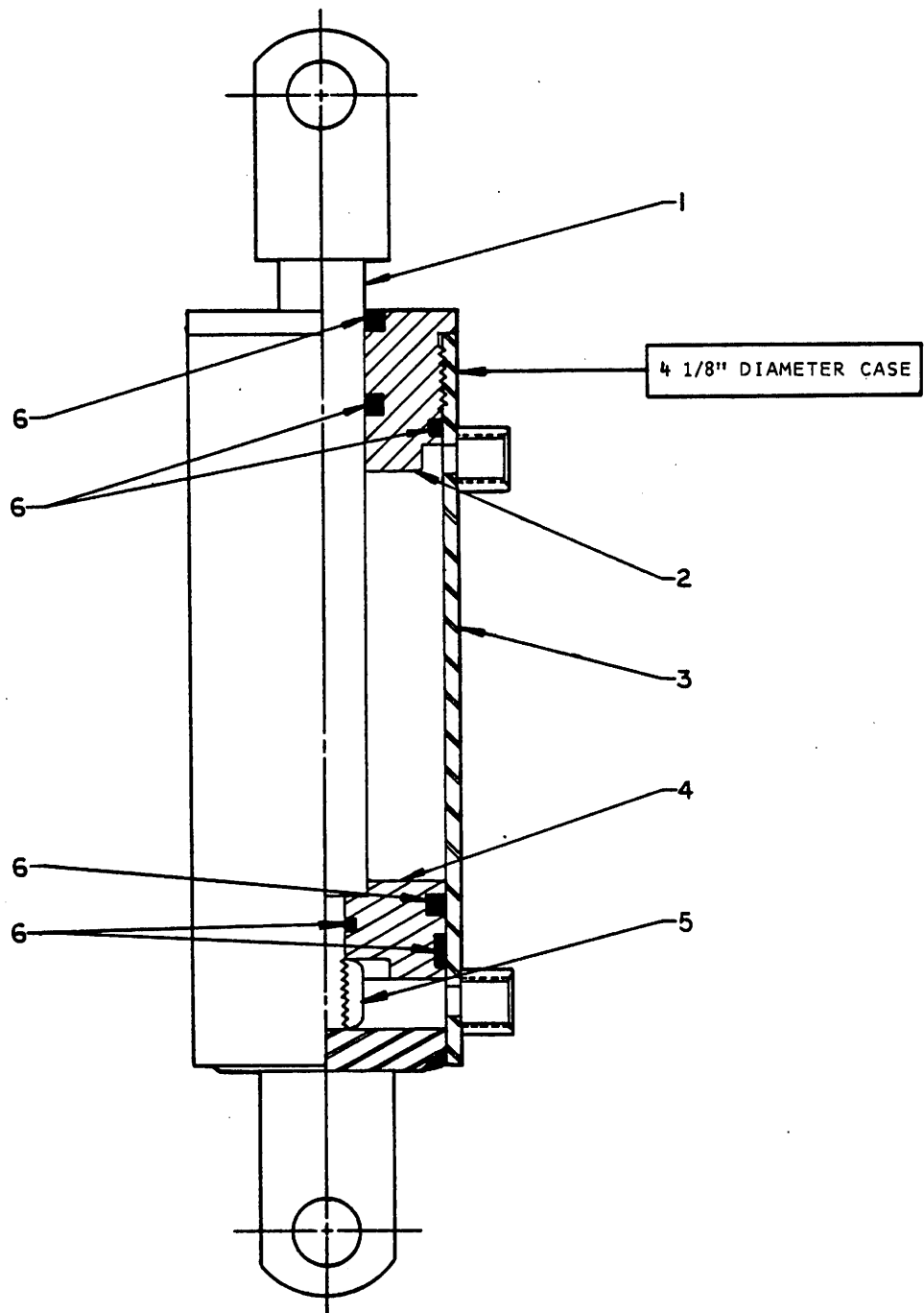
REV. 29 JUN., 1994

PART
NO.

PLATE
NO. C11.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-008902		ROD W/CLEVIS	1
2	04-008903		HEAD GLAND	1
3			CASE	1
4	04-008904		PISTON	1
5			LOCKNUT	1
6	04-008901		SEAL KIT	1
DESCRIPTION			PART NO.	
STEER CYLINDER			04-008900	



1283/1283

DESCRIPTION

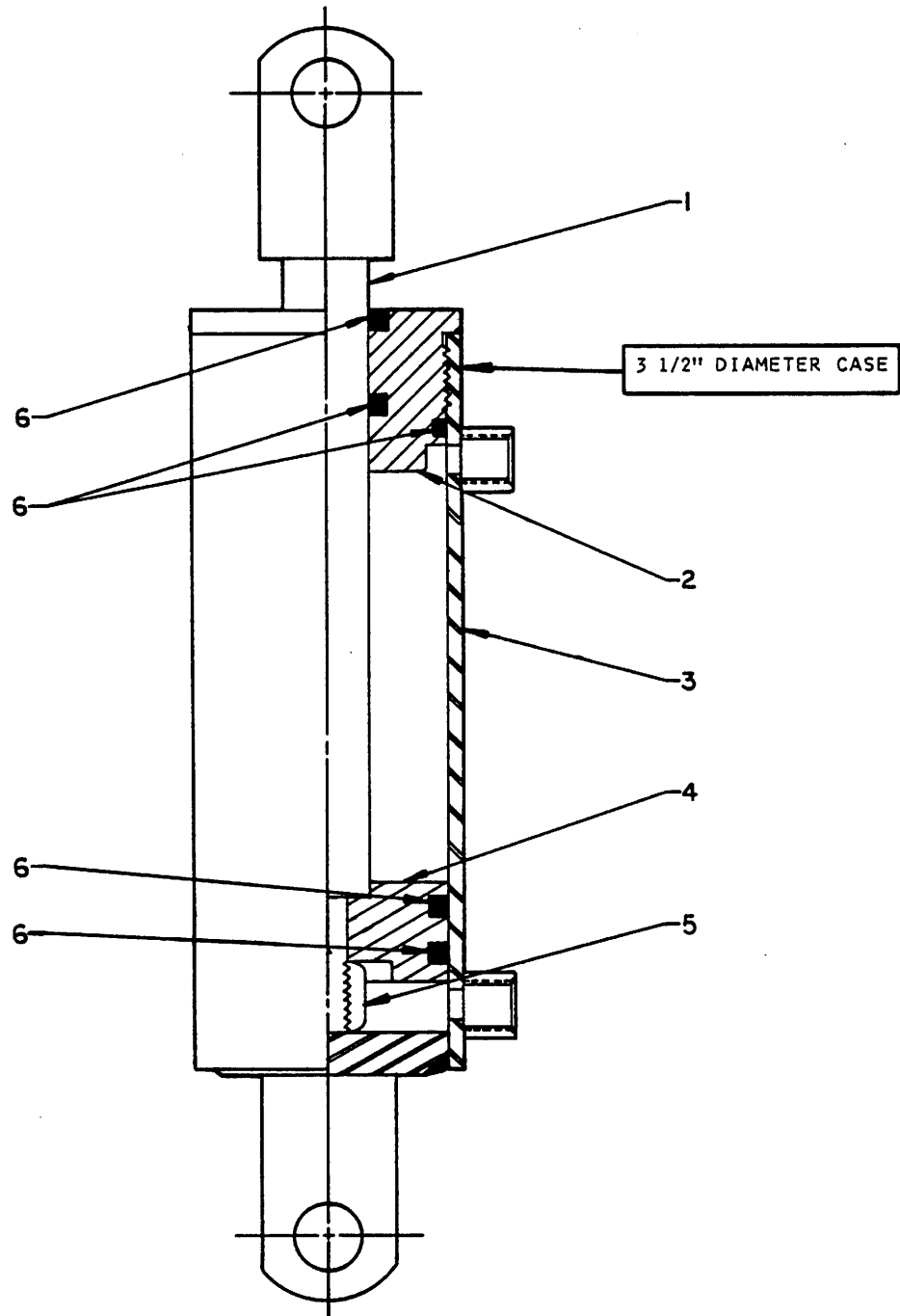
STEER CYLINDER

PART NO.

04-008900

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-004902		ROD W/CLEVIS	1
2			HEAD GLAND	1
3			CASE	1
4	04-004901		PISTON	1
5			LOCKNUT	1
6			SEAL KIT	1
DESCRIPTION			PART NO.	
STEER CYLINDER			04-004900	



0884/0282

DESCRIPTION

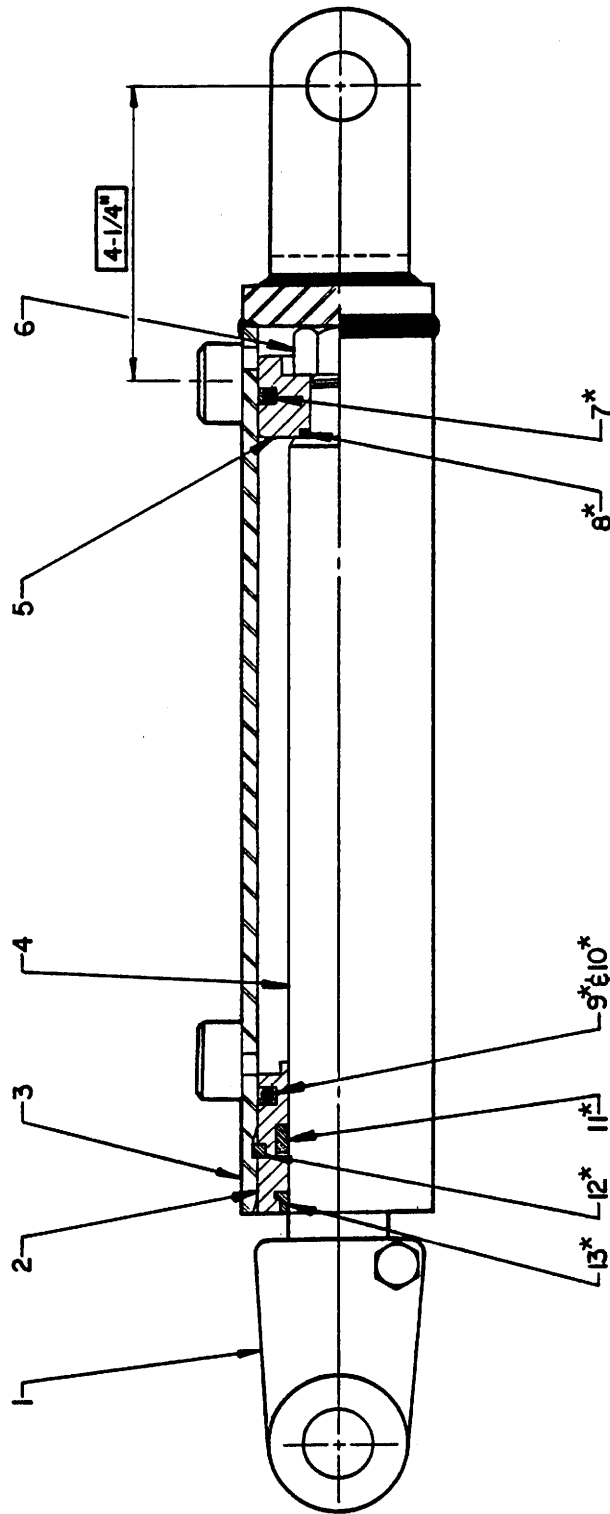
STEER CYLINDER

PART NO.

04-004900

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-003403		CLEVIS ASSEMBLY	1
2	04-003407		HEAD GLAND	1
3			CASE	1
4	04-003406		ROD	1
5	04-003405		PISTON	1
6			PISTON NUT	1
7*			PISTON SEAL	1
8*			'O' RING	1
9*			'O' RING	1
10*			BACK-UP RING	1
11*			ROD SEAL	1
12*			SQUARE RETAINING RING	1
13*			WIPER	1
*	04-003402		SEAL KIT	1
DESCRIPTION			PART NO.	
STEER CYLINDER			04-003400	



NOTE:

* SEAL KIT P/N 04-003402

1184/0379

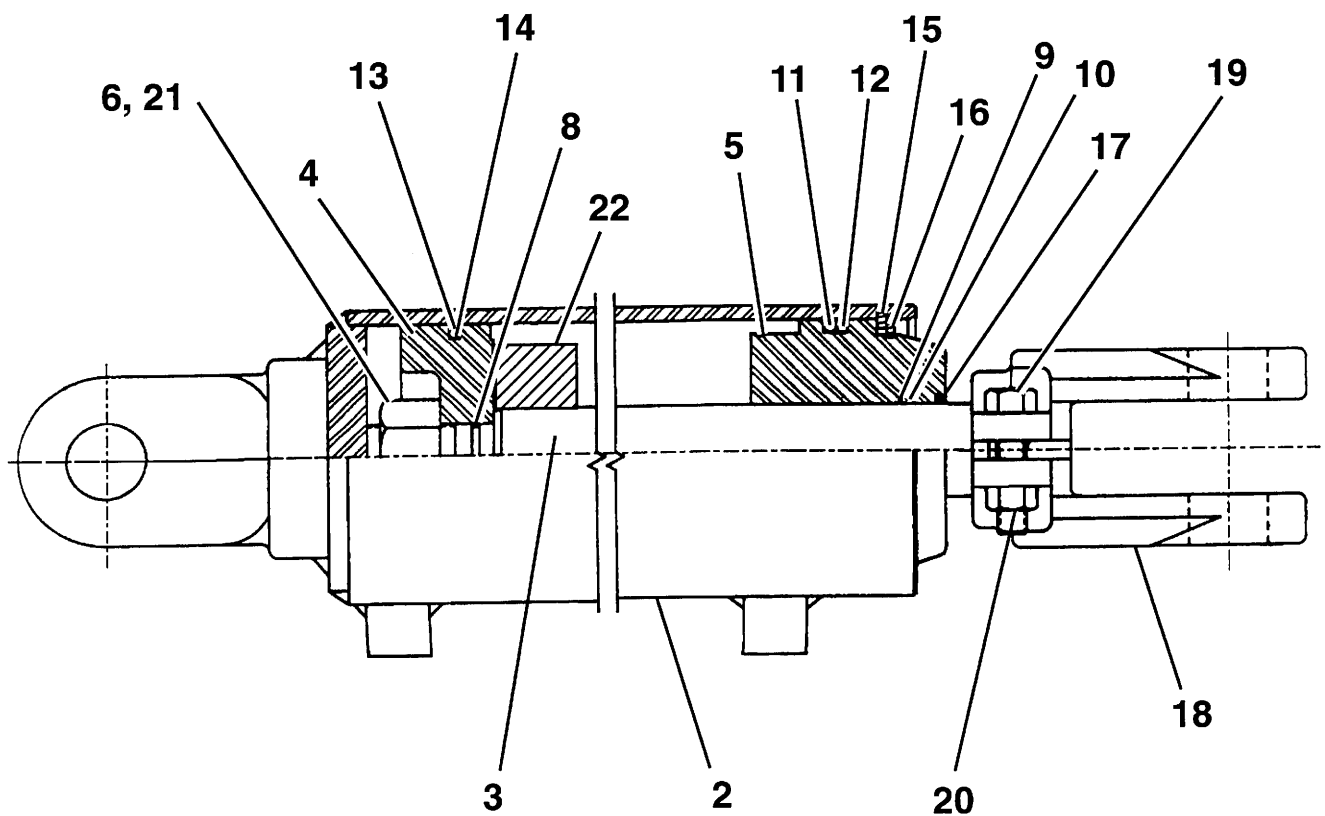
DESCRIPTION

STEER CYLINDER

PART NO.

04-003400

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			STEER CYLINDER ASSEMBLY [7-1/2" (190 mm) stroke, 3-1/2" (89 mm) bore, 1-1/4" (31.8 mm) rod, (2) 9/16"-18 UNF "O"-Ring ports].	
	04-033200		Standard cylinder, for all models except as listed below.	1
	2171750		Modified cylinder (with spacers installed), for . . . model MPH 60 , serial no. AKA 00101 and prior.	1
	2171750		model MP 80 , serial no. AEA 01389 and prior.	1
	2171750		model MP 80 , serial no. AEA 01391, 1392, 1393.	1
	2171750		some four wheel drive models MPH 80, MPE 95 or MPE 110 built in late 1990 (please consult factory, and provide serial number of your machine).	1
	Call Simon		some two wheel drive models MPE 110 (consult factory, and provide serial number of your machine).	1
2			BODY, CYLINDER	1
3	04-033202		ROD, CYLINDER	1
4			PISTON, [3-1/2" (88.9 mm) dia.]	1
5			GUIDE, PISTON ROD	1
6			NUT, LOCK (7/8"-14) (replaced by item 21 some models)	1
7	04-033201		SEAL KIT	1
8			O-RING	1
9			SEAL	1
10			WASHER, BACKUP	1
11			O-RING	1
12			WASHER, BACKUP	1
13			O-RING	1
14			RING, PISTON	1
15			RING, RETAINING (interior)	1
16			RING, RETAINING (exterior)	1
17			WIPER, ROD	1
18	04-035305		ROD CLEVIS	1
19			CAP SCREW, HEX HEAD (3/8"-16 x 3/4")	1
20			NUT, HEX (3/8"-16)	1
			The following items are required on certain units (see above):	
21	2171720		SPACER, BASE (replaces lock nut, item 6) [1-5/8" (41 mm) long] for cylinder assembly 2171750	1
	2178280		[1-9/16" (40 mm) long] for cylinder assembly "Call Simon"	1
22	2171740		SPACER, ROD [.63" (16 mm) thick] for cylinder assembly 2171750	1
	2178300		[.63" (16 mm) thick] for cylinder assembly "Call Simon"	1
TITLE STEER CYLINDER				
PLATE NO. D01.10		SIMON AERIALS INC.		PART NO.
				REV. 13 MAY, 1994



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 13 MAY, 1994

PART
NO.

PLATE
NO. D01.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			STEER CYLINDER ASSEMBLY [7-1/2" (190 mm) stroke, 3-1/2" (89 mm) bore, 1-1/4" (31.8 mm) rod, (2) 9/16"-18 UNF "O"-Ring ports].	
	04-035300		Standard cylinder, for all models except as listed below.	1
	2328190		Modified cylinder (drilled for "L" shaped keeper pins), for models MPH 80, MP 95, MP 110 after Jan., 1994.	1
	2174010		Modified cylinder (with spacers installed), for . . . models MPH 60, MP 60Z, MP 70 or MP 80, and all models with four wheel drive .	1
2			BODY, CYLINDER	1
3	04-035302		ROD, CYLINDER	1
4	04-035303		PISTON	1
5			GUIDE, PISTON ROD	1
6	04-035304		NUT, LOCK (7/8"-14) (replaced by item 18 some models)	1
7	04-035301		SEAL KIT	1
8			SEAL, "O"-RING [3/4" (19 mm) I.D.]	1
9			SEAL, "DURA-PAK" [3-1/2" (89 mm) O.D.]	1
10			SEAL, "U" CUP [1-1/4" (32 mm) I.D.]	1
11			RING, WIPER [1-1/4" (32 mm) I.D.]	1
12			SEAL, "O"-RING [3-1/2" (89 mm) O.D.]	1
13			RING, BACKUP	1
14			RING, RETAINING (Round)	1
15	04-035305		CLEVIS, ROD (without hole for keeper pin) (replaced by item 20 some models)	1
16	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	1
17	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
			The following items are required on certain units (see above):	
18	2171710		SPACER, BASE (replaces lock nut, item 6) [1-3/16" (30 mm) long] for cylinder assembly 2174010	1
19	2171730		SPACER, ROD [.19" (4.8 mm) thick] for cylinder assembly 2174010	1
20	No part #		CLEVIS, ROD (04-035305 drilled for keeper pin, for cylinder 2328190. Please specify modified clevis required.)	1

TITLE

STEER CYLINDER

PLATE
NO.

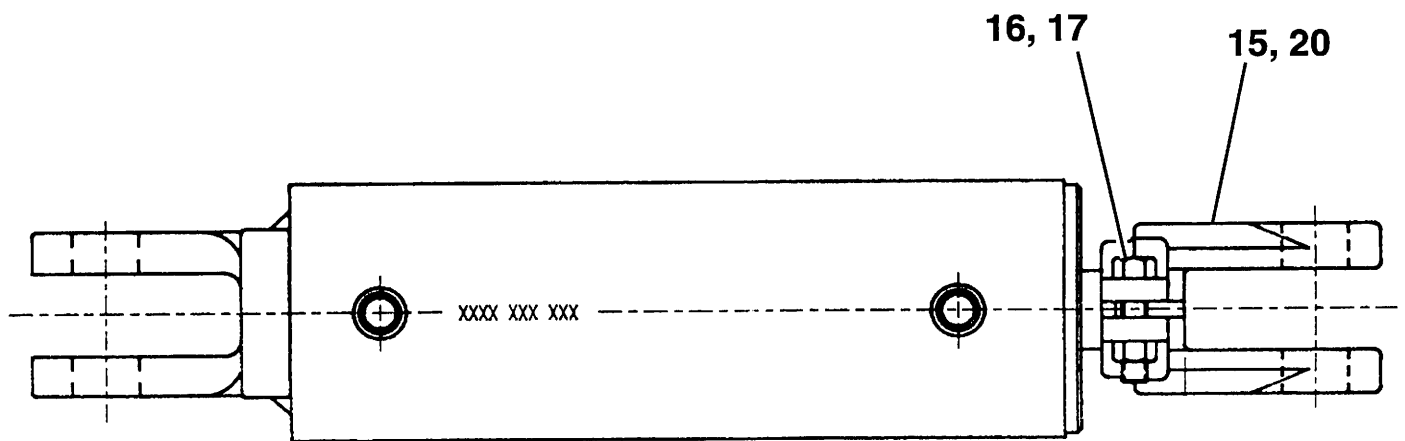
D01.11

SIMON AERIALS INC.

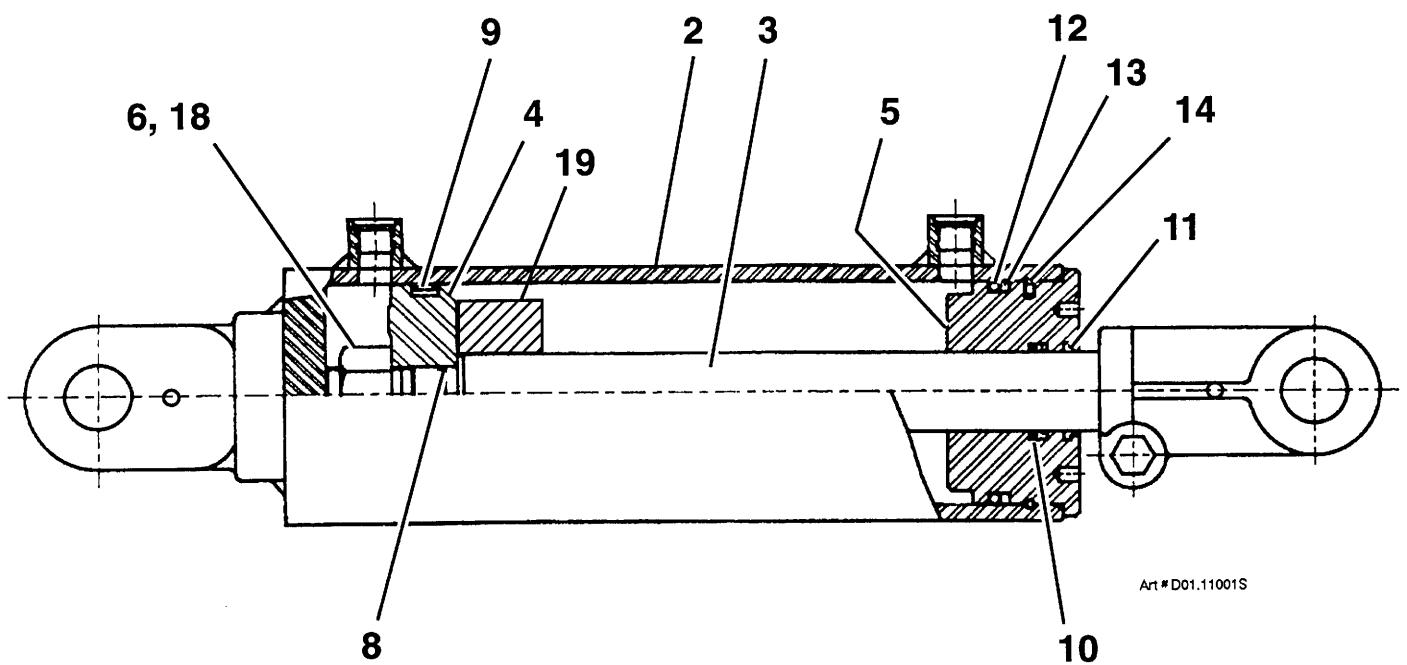
REV. 15 JUN., 1994

PART
NO.

04-035300



Art # D01.11002S



Art # D01.11001S

TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 15 JUN., 1994

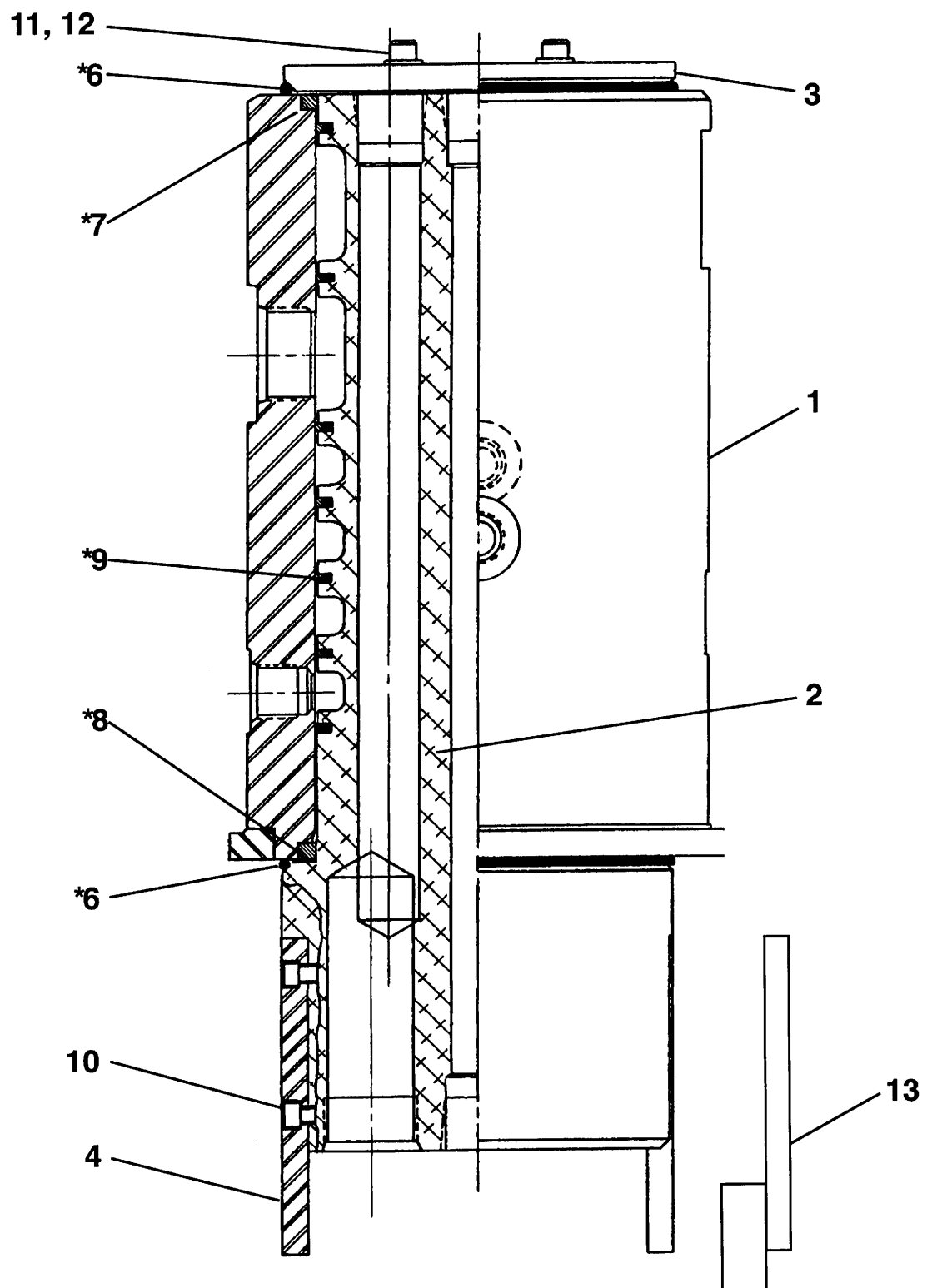
PART NO. 04-035300

PLATE NO. D01.11

[illegible]

PLATE NO.	D02.01	SIMON AERIALS INC.
-----------	--------	--------------------

PART NO.	04-008700
----------	-----------



Note: Items in service kit identified by asterisk (*)

TITLE

HYDRAULIC SWIVEL

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.

04-008700

PLATE
NO.

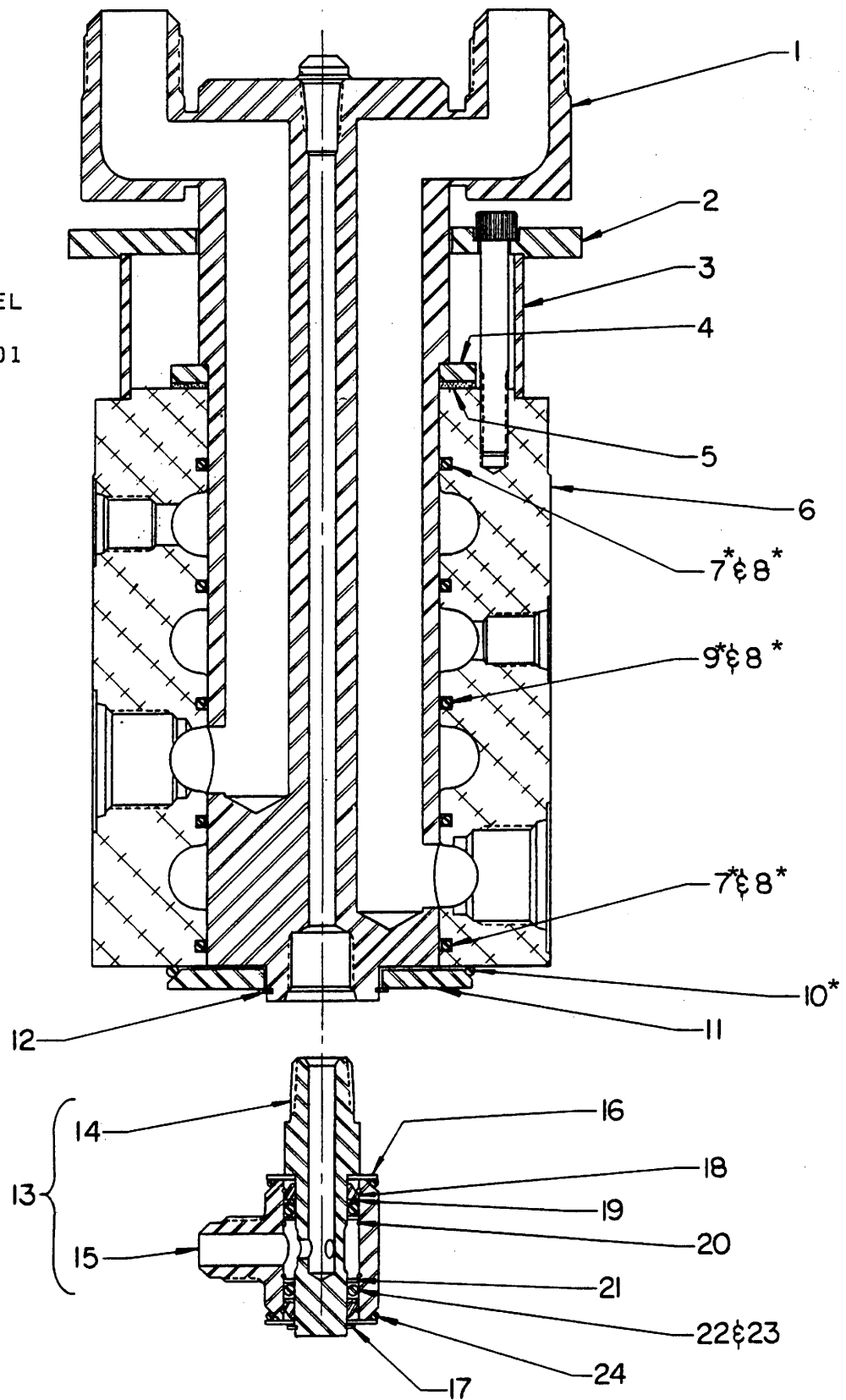
D02.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-001603		CENTER POST	1
2			END CAP	1
3			SPACER TUBE	1
4	04-001606		SPACER	1
5	04-001605		NYLON THRUST WASHER	1
6			SWIVEL BODY	1
7*			END 'O' RING	2
8*			SLIPPER SEAL	5
9*			'O' RING	3
10*	04-001604		'O' RING	1
11			END CAP	1
12			RETAINING RING	1
13	04-001602		AUXILIARY SWIVEL ASSEMBLY	1
14			CENTER POST	1
15			SWIVEL BODY	1
16			END CAP	2
17			RETAINING RING	1
18			SPACER	2
19			BACK UP RING	2
20			RETAINING RING	4
21			BACK-UP RING	2
22			'O' RING	2
23			SLIPPER SEAL	2
24			'O' RING	1
*	04-001601		SEAL KIT UPPER SWIVEL	1
DESCRIPTION			PART NO.	
HYDRAULIC SWIVEL			04-001600	

NOTE:

* UPPER SWIVEL
SEAL KIT
P/N 04-001601



1183/0677

DESCRIPTION

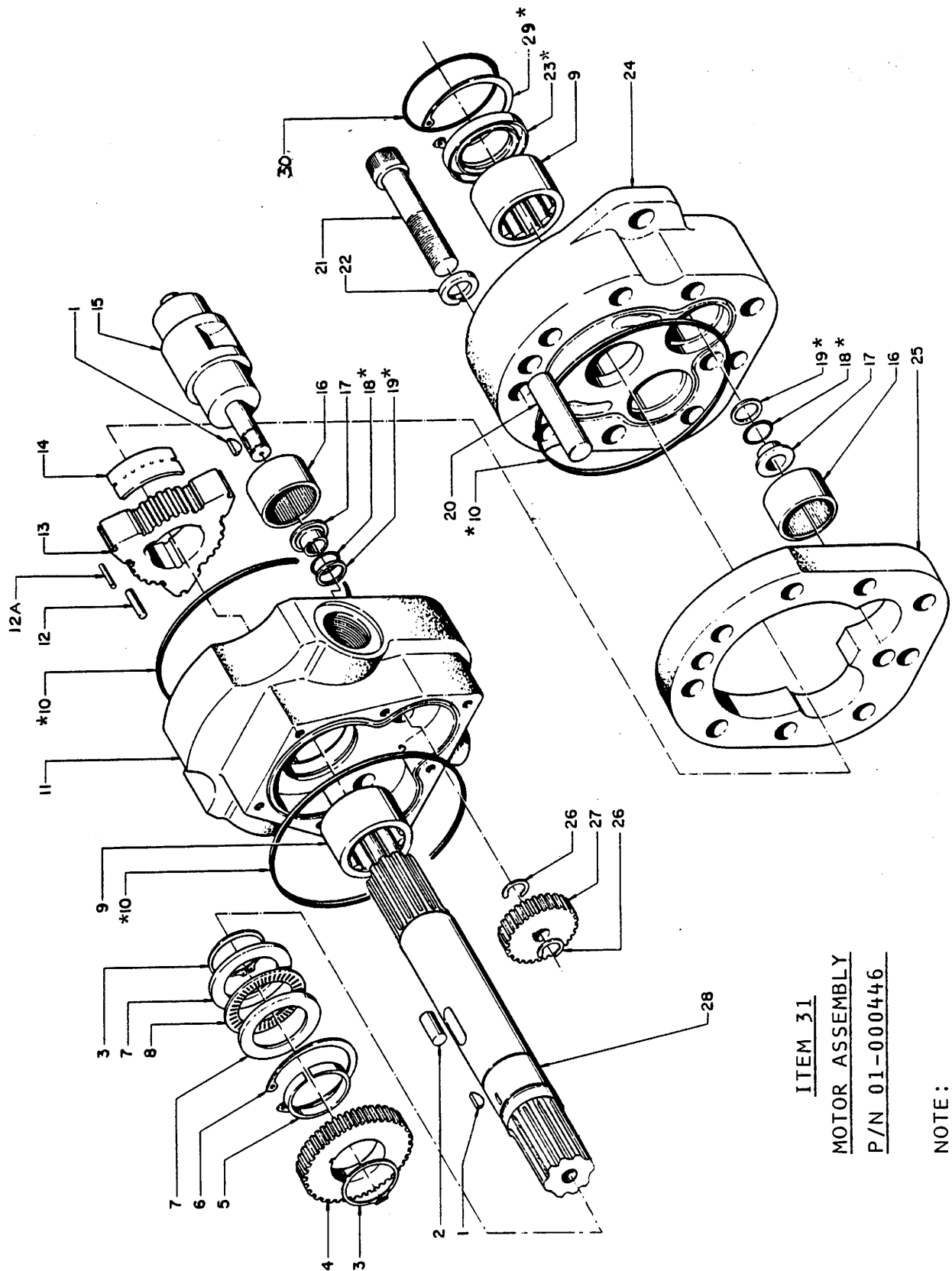
HYDRAULIC SWIVEL

PART NO.

04-001600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-000430		WOODRUFF KEY	3
2	01-000421		DRIVE PIN	1
3	01-000443		RETAINING RING	2
4	01-000439		GEAR DRIVE	1
5	01-000431		SPACER WASHER	1
6	01-000444		RETAINING RING	1
7	01-000423		BEARING RACE	2
8	01-000422		THRUST BEARING	1
9	01-000436		NEEDLE BEARING	2
10*	01-000408		OIL SEAL	3
11	01-000437		REAR END CAP	1
12	01-000432		TIP SEAL ROLLER	3
12A	01-000433		BODY SEAL ROLLER	18
13	01-000419		ROTOR	1
14	01-000427		SEAL PLATE	3
15	01-000426		ABUTMENT VALVE	2
16	01-000438		NEEDLE BEARING	4
17	01-000425		STEP BEARING	4
18*	01-000441		'O' RING	4
19*	01-000428		BACK-UP RING	4
20	01-000424		DOWEL PIN	2
21	07-008056		SOCKET HEAD CAP SCREW	9
22	07-065018		LOCKWASHER	9
23*	01-000407		SHAFT SEAL	1
24	01-000440		SAE B FRONT END CAP	1
25	01-000429		DISPLACEMENT HOUSING	1
26	01-000442		RETAINING RING	4
27	01-000420		GEAR PINION	2
28	01-000417		S-SHAFT FOR BRAKE	1
29*	01-000445		RETAINING RING	1
30*	01-000406		'O' RING	1
31	01-000446		MOTOR ASSEMBLY	1
*	01-000401		SEAL KIT, MOTOR	1
DESCRIPTION			PART NO.	
VEHICLE DRIVE MOTOR/BRAKE			01-000400	



ITEM 31
MOTOR ASSEMBLY
P/N 01-000446

NOTE:

* MOTOR SEAL KIT P/N 01-000401

1183/0677

DESCRIPTION

VEHICLE DRIVE MOTOR/BRAKE

SHEET 1 OF 2

PART NO.

01-000400

PARTS LIST

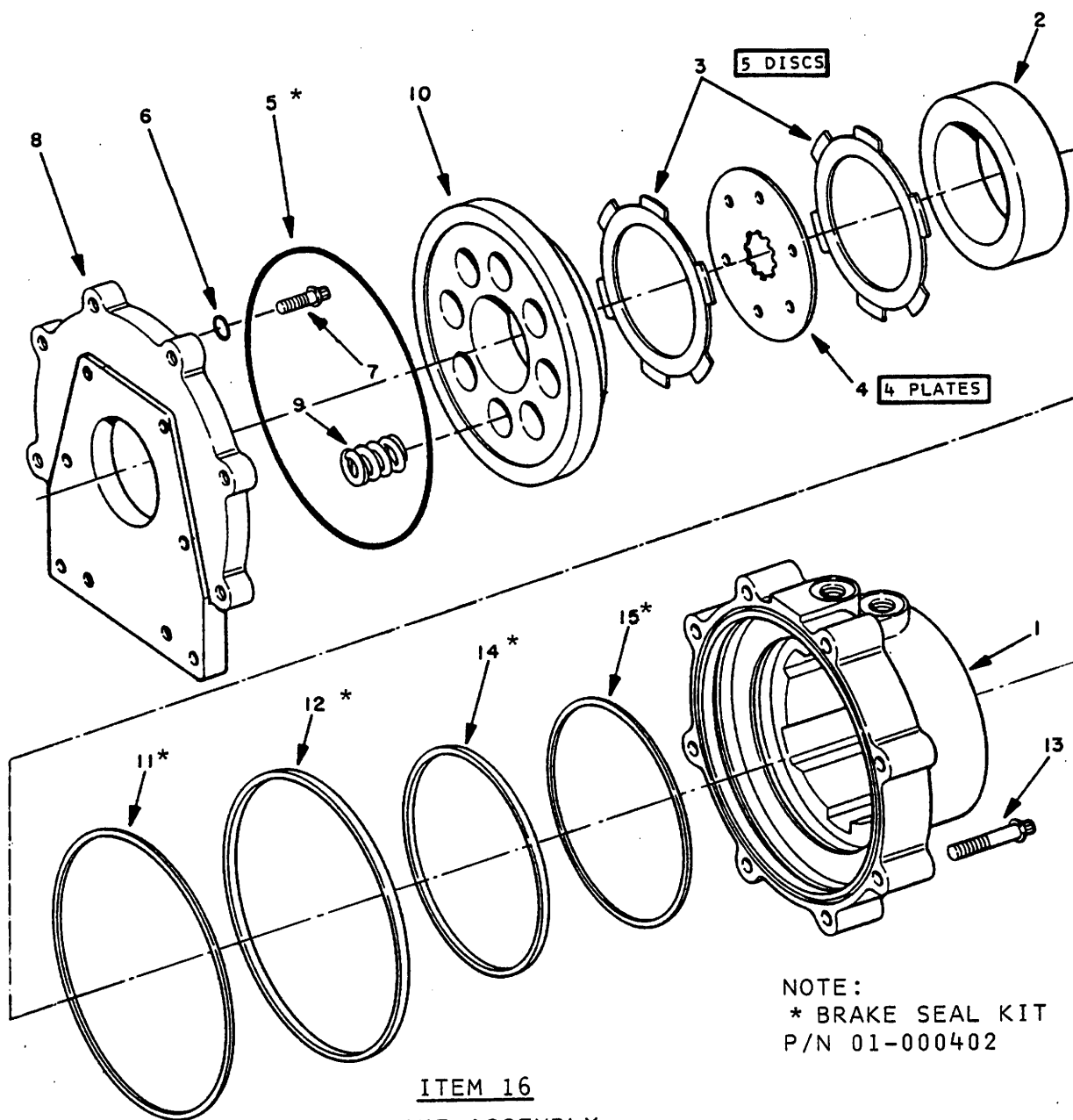
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-000434		HOUSING	1
2	01-000409		SPACER	1
3	01-000410		FRICTION DISC	5
4	01-000411		PLATE, DRIVE	4
5*	01-000404		'O' RING	1
6	01-000405		BRASS WASHER	7
7	07-008003		SOCKET HEAD CAP SCREW	7
8	01-000403		ADAPTER PLATE	1
9	01-000412		DIE SPRING	8
10	01-000413		PRESSURE PLATE	1
11*	01-000414		BACK-UP RING	1
12*	01-000415		QUAD RING	1
13	07-008027		SOCKET HEAD CAP SCREW	8
14*	01-000418		QUAD RING	1
15*	01-000416		BACK UP RING	1
16	01-000435		BRAKE ASSEMBLY	1
*	01-000402		SEAL KIT, BRAKE	1

DESCRIPTION

VEHICLE DRIVE MOTOR/BRAKE

PART NO.

01-000400



NOTE:
* BRAKE SEAL KIT
P/N 01-000402

ITEM 16
BRAKE ASSEMBLY
P/N 01-000435

1183/0677

DESCRIPTION

VEHICLE DRIVE MOTOR/BRAKE

SHEET 2 OF 2

PART NO. 01-000400

PARTS LIST

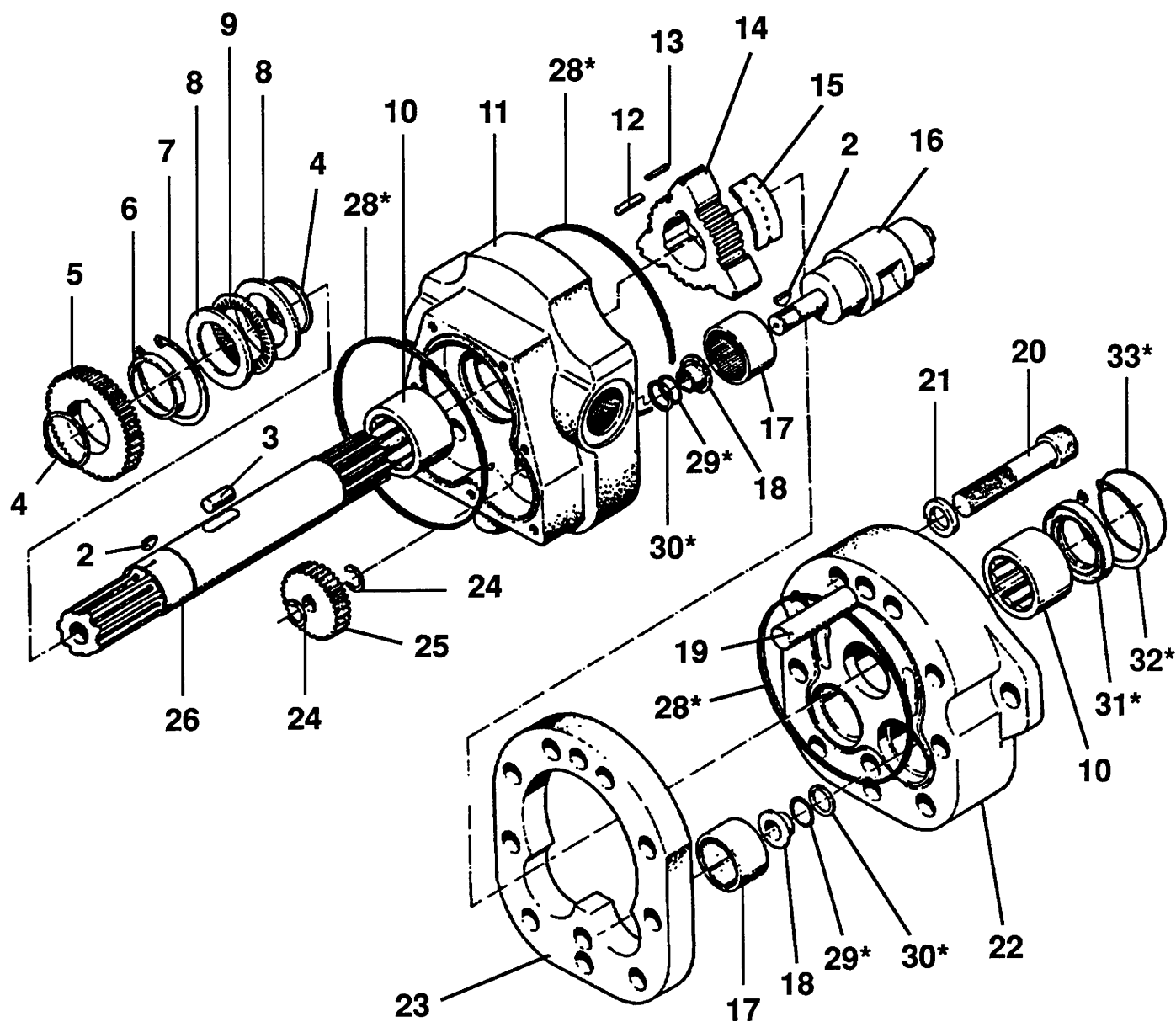
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000446		MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3	01-000421		PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	2
9	01-000422		BEARING, THRUST	1
10	01-000436		BEARING, NEEDLE	2
11	01-000437		CAP, END (Rear)	1
12	01-000432		ROLLER, TIP SEAL [2" (50.8 mm) long]	3
13	01-000433		ROLLER, BODY SEAL [2" (50.8 mm) long]	18
14	01-000419		ROTOR [2" (50.8 mm) long]	1
15	01-000427		PLATE, SEAL [2" (50.8 mm) long]	3
16	01-000426		VALVE, ABUTMENT	2
17	01-000438		BEARING, NEEDLE	4
18	01-000425		BEARING, STEP	4
19	01-000424		PIN, DOWEL	2
20	07-008056		CAP SCREW, SOCKET HEAD (3/8"-16 x 3-3/4", Grade 8)	9
21	07-065016		WASHER, HELICAL LOCK (3/8")	9
22	01-000440		CAP, END (Front) (SAE "B")	1
23	01-000429		HOUSING, DISPLACEMENT	1
24	01-000442		RING, RETAINING	4
25	01-000420		GEAR, PINION	2
26	01-000417		SHAFT, MOTOR (Spline both ends, for use with brake)	1
27	01-000401		SEAL KIT, MOTOR	1
			Note: Items included in seal kit marked by asterisk (*)	
28	01-000408		SEAL, OIL	3
29	01-000441		"O"-RING	4
30	01-000428		RING, BACK UP	4
31	01-000407		SEAL, SHAFT	1
32	01-000445		RING, RETAINING	1
33	01-000406		"O"-RING	1

TITLE WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.³, PLATE 1 OF 2)

PLATE NO.	D03.02	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 7/19/91

PART NO. 01-004800



TITLE WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.³, PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 7/19/91

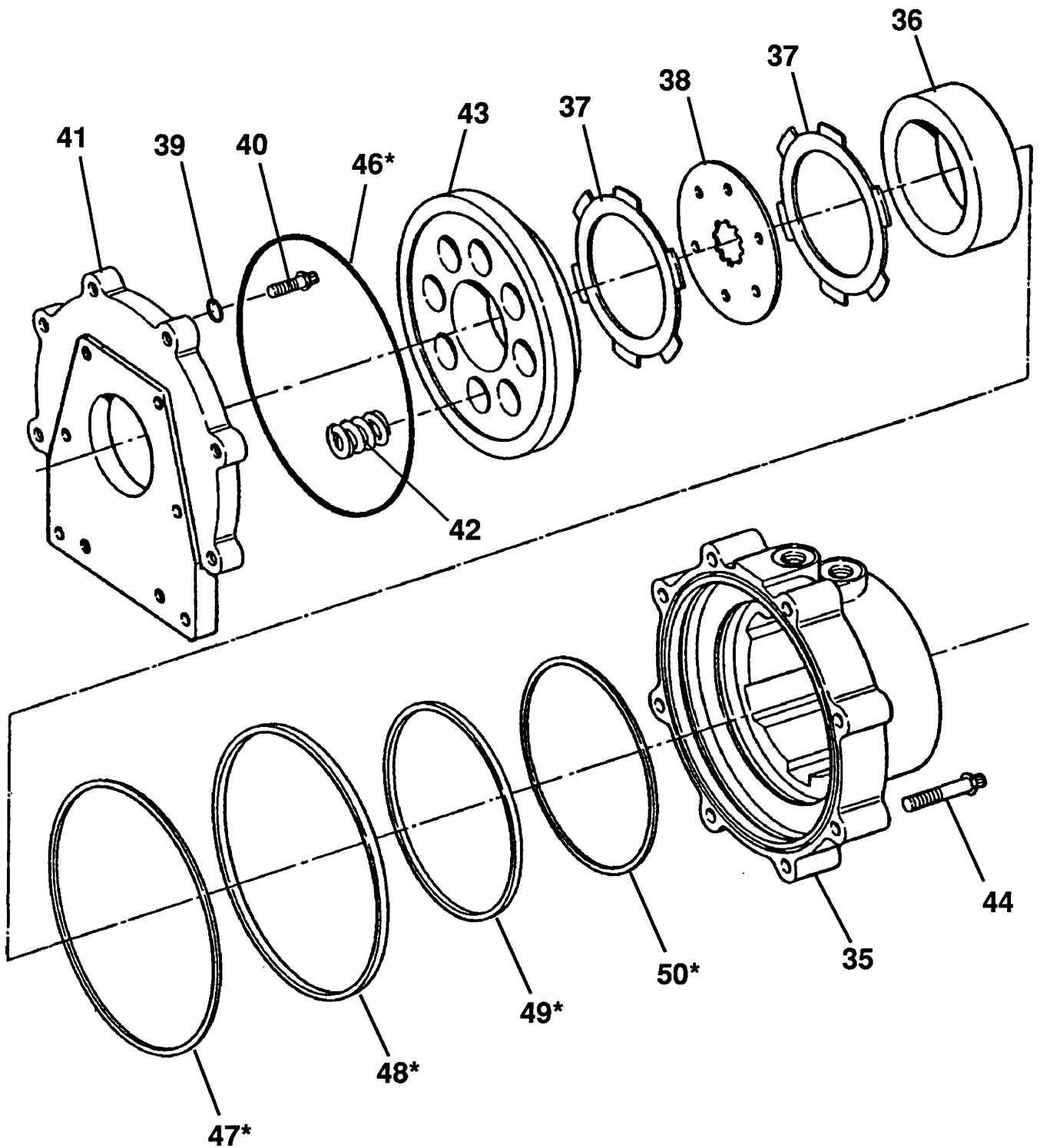
PART NO. 01-004800

PLATE NO. D03.02

[illegible]

WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

PART NO. 01-004800



TITLE

WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-004800

PLATE
NO.

D03.02

PARTS LIST

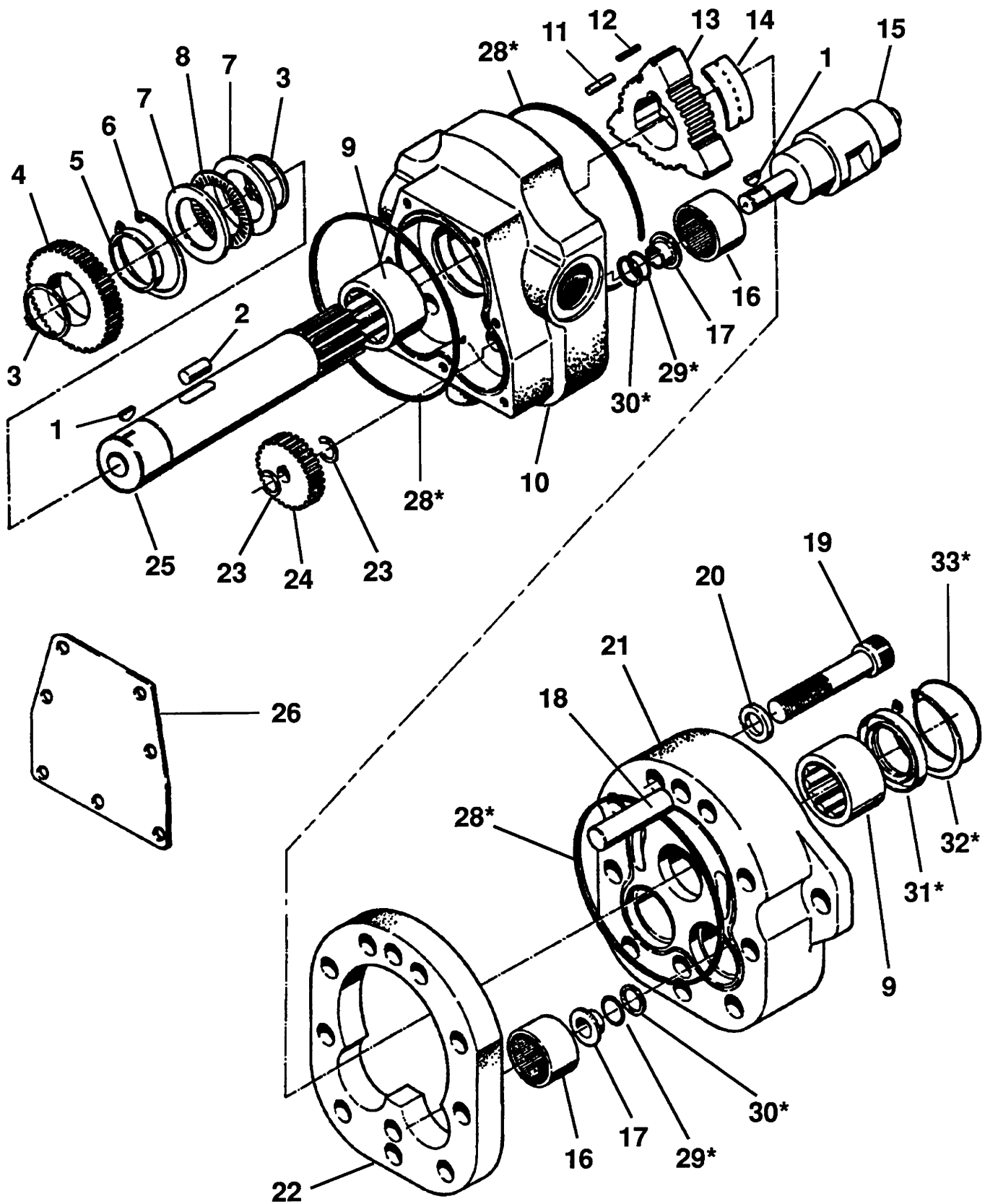
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000430		KEY, WOODRUFF	3
2	01-000421		PIN, DRIVE	1
3	01-000443		RING, RETAINING	2
4	01-000439		GEAR, DRIVE	1
5	01-000431		WASHER, SPACER	1
6	01-000444		RING, RETAINING	1
7	01-000423		RACE, BEARING	2
8	01-000422		BEARING, THRUST	1
9	01-000436		BEARING, NEEDLE	2
10	01-000437		CAP, END (Rear)	1
11	01-000432		ROLLER, TIP SEAL [2" (50.8 mm) long]	3
12	01-000433		ROLLER, BODY SEAL [2" (50.8 mm) long]	18
13	01-000419		ROTOR [2" (50.8 mm) long]	1
14	01-000427		PLATE, SEAL [2" (50.8 mm) long]	3
15	01-000426		VALVE, ABUTMENT	2
16	01-000438		BEARING, NEEDLE	4
17	01-000425		BEARING, STEP	4
18	01-000424		PIN, DOWEL	2
19	07-008056		CAP SCREW, SOCKET HEAD (3/8"-16 x 3-3/4", Grade 8)	9
20	07-065016		WASHER, HELICAL LOCK (3/8")	9
21	01-000440		CAP, END (Front) (SAE "B")	1
22	01-000429		HOUSING, DISPLACEMENT	1
23	01-000442		RING, RETAINING	4
24	01-000420		GEAR, PINION	2
25			SHAFT, MOTOR (Spline one end, for use without brake)	1
26			PLATE, GEAR COVER	1
27	01-000401		SEAL KIT, MOTOR	1
			Note: Items in seal kit identified by asterisk (*).	
28*	01-000408		SEAL, OIL	3
29*	01-000441		"O"-RING	4
30*	01-000428		RING, BACK UP	4
31*	01-000407		SEAL, SHAFT	1
32*	01-000445		RING, RETAINING	1
33*	01-000406		"O"-RING	1

TITLE WHEEL MOTOR (4 IN.³, USED W/O BRAKE ON 4WD STEER AXLE)

PLATE NO. D03.07 **SIMON AERIALS INC.**

REV. 7/19/91

PART NO. 01-003400



TITLE WHEEL MOTOR (4 IN.³, USED W/O BRAKE ON 4WD STEER AXLE)

SIMON AERIALS INC.

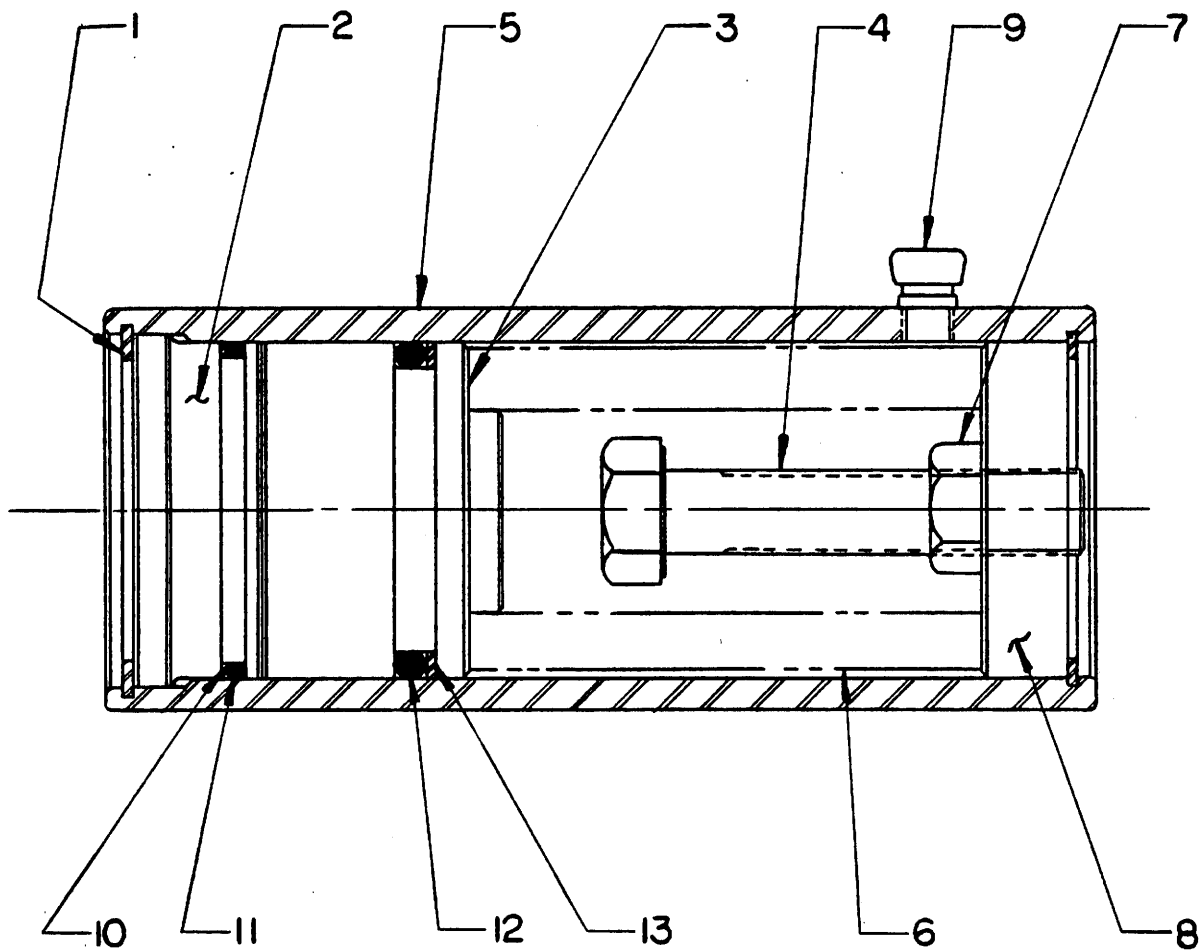
REV. 7/19/91

PART NO. 01-003400

PLATE NO. D03.07

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-001502		RETAINING RING	2
2			PORT CAP	1
3			PISTON	1
4			SCREW	1
5			CYLINDER	1
6			SPRING	1
7			NUT	1
8			CYLINDER CAP	1
9			VENT	1
10			BACK-UP RING	1
11			'O' RING	1
12			'O' RING	1
13			BACK-UP RING	
DESCRIPTION			PART NO.	
ACCUMULATOR			01-001500	



1183 / 0677

DESCRIPTION

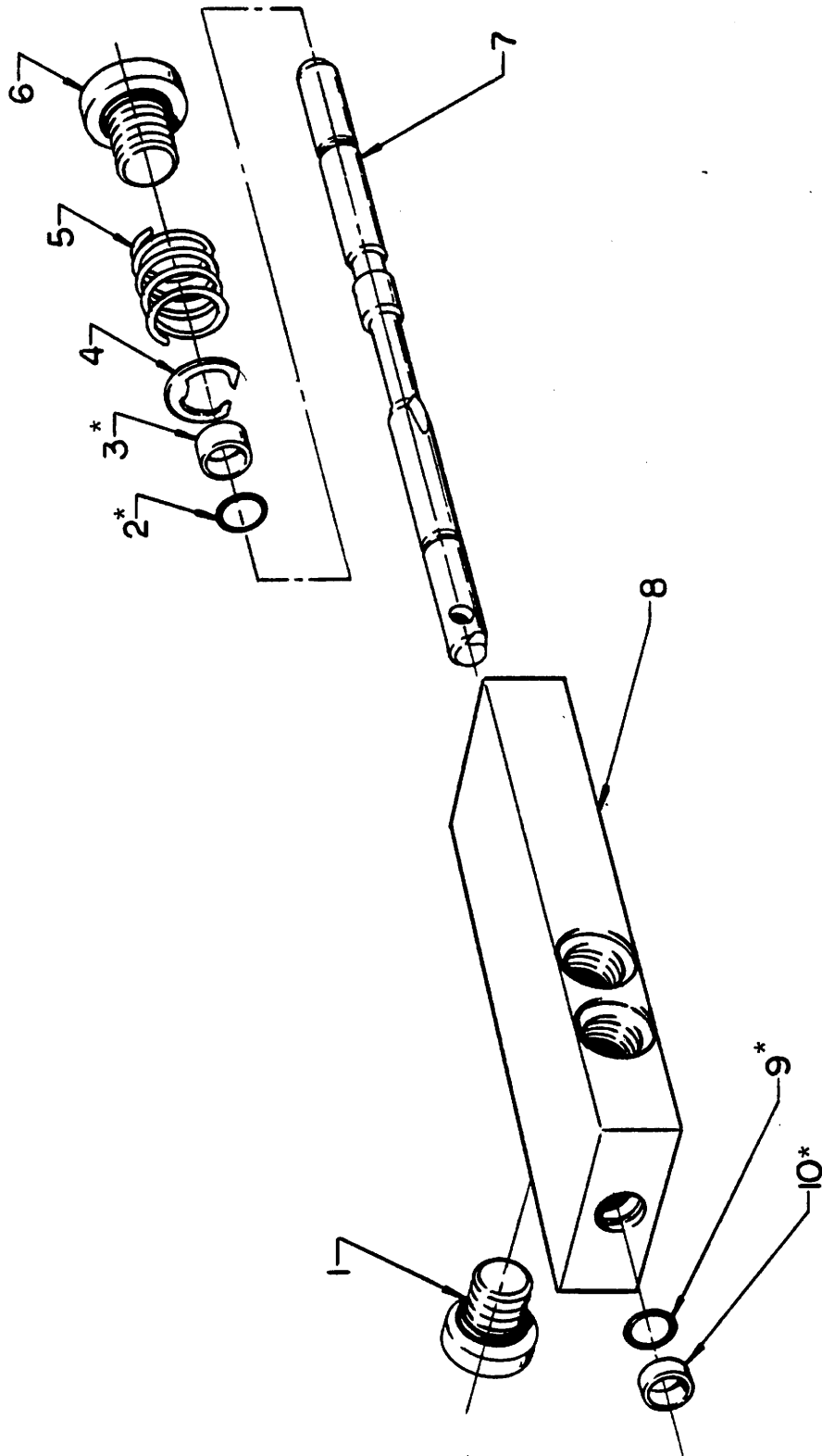
ACCUMULATOR

PART NO.

01-001500

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-000901		PLUG	1
2*			"O" RING	1
3*			BACKUP RING	1
4			SNAP RING	1
5			SPRING	1
6			PLUG	1
7			METERING SPOOL	1
8			VALVE BODY	1
9*			"O" RING	1
10			BACKUP RING	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
HPC VALVE			01-004700	



NOTE:
*SEAL KIT P/N 01-000901

0484/0383

DESCRIPTION

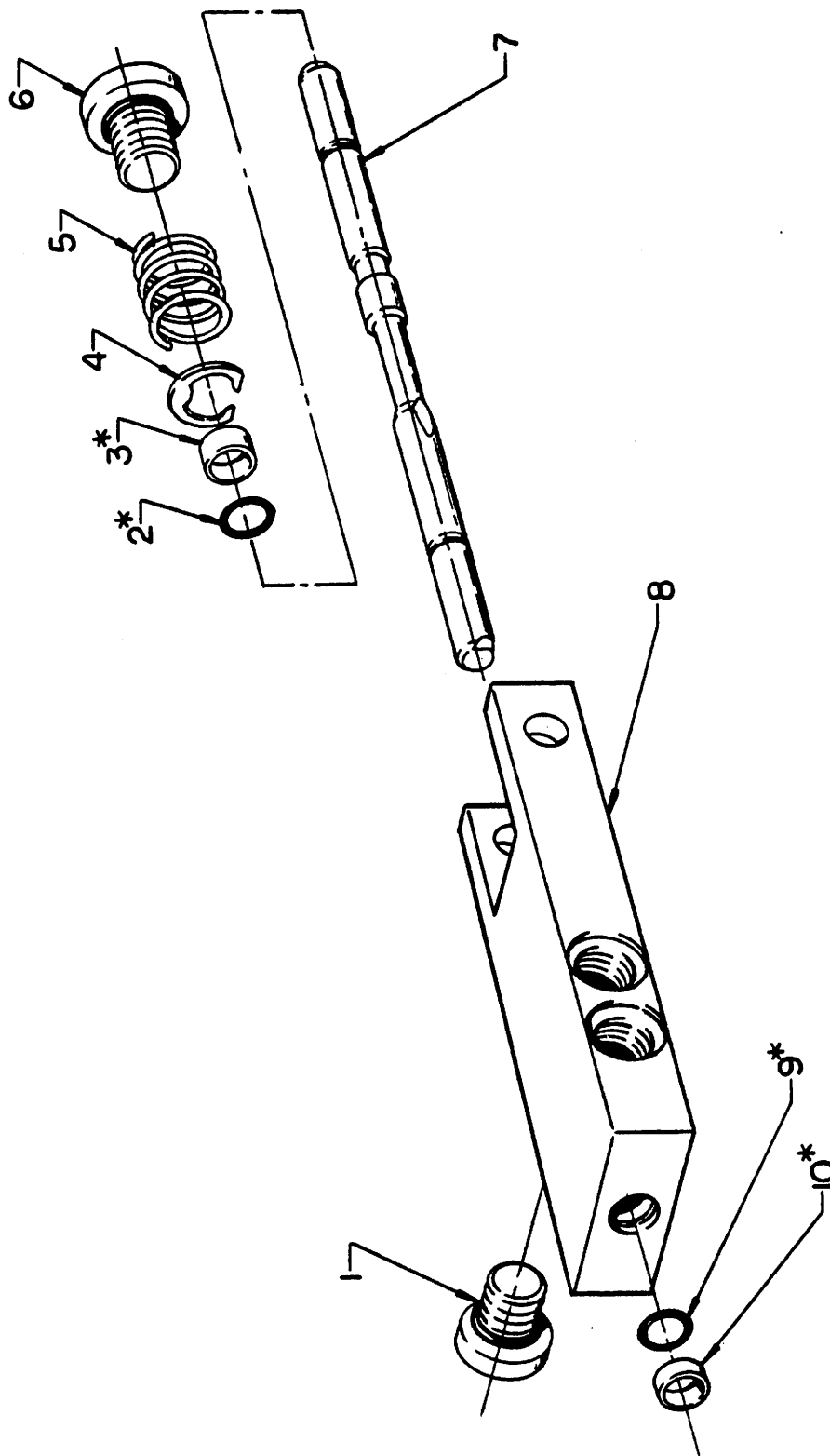
HPC VALVE

PART NO.

01-004700

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-000901		PLUG	1
2*			"O" RING	1
3*			BACKUP RING	1
4			SNAP RING	1
5			SPRING	1
6			PLUG	1
7			METERING SPOOL	1
8			VALVE BODY	1
9*			"O" RING	1
10*			BACKUP RING	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
HPC VALVE			01-000900	



NOTE:

* SEAL KIT P/N 01-000901

0984 / 0677

DESCRIPTION

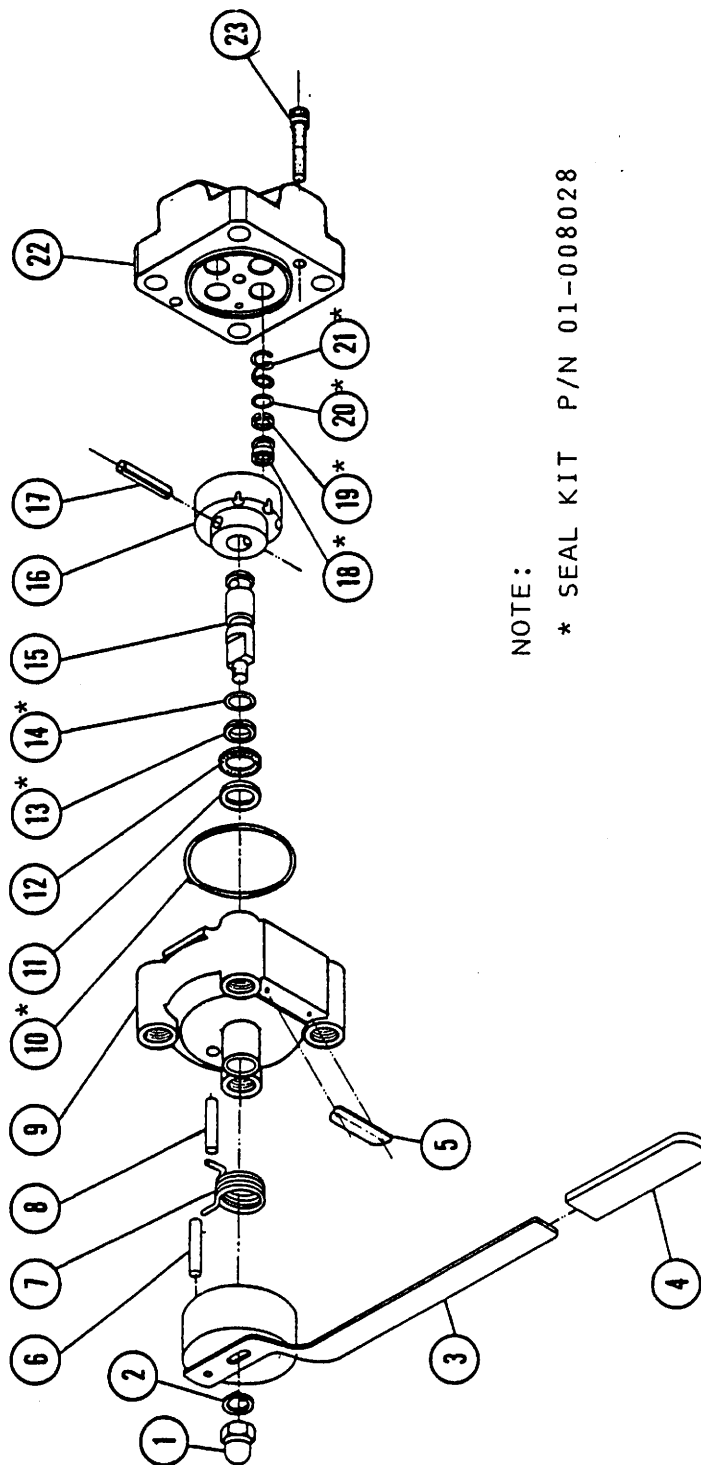
HPC VALVE

PART NO.

01-000900

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-008001		ACORN NUT	1
2			LOCKWASHER	1
3			HANDLE	1
4	01-008002		HANDLE GRIP	1
5			NAMEPLATE	1
6			HUB DOWEL PIN	1
7	01-008003		TORSION SPRING	1
8			HOUSING ROLL PIN	1
9			HOUSING	1
10*			HOUSING "O" RING	1
11			THRUST WASHER	1
12			THRUST BEARING	1
13*			SHAFT BACKUP RING	1
14*			SHAFT "O" RING	1
15			SHAFT	1
16			ROTOR	1
17			ROTOR ROLL PIN	1
18*			SEAL	3
19*			BACKUP RING	3
20*			"O" RING	3
21*			SPRING	3
22	01-008028		BODY	1
23			CAP SCREW	4
*			SEAL KIT	
DESCRIPTION			PART NO. 01-032600	
HPC VALVE, GROUND CONTROLS				



NOTE:

* SEAL KIT P/N 01-008028

0584/0677

DESCRIPTION

HPC VALVE, GROUND CONTROLS

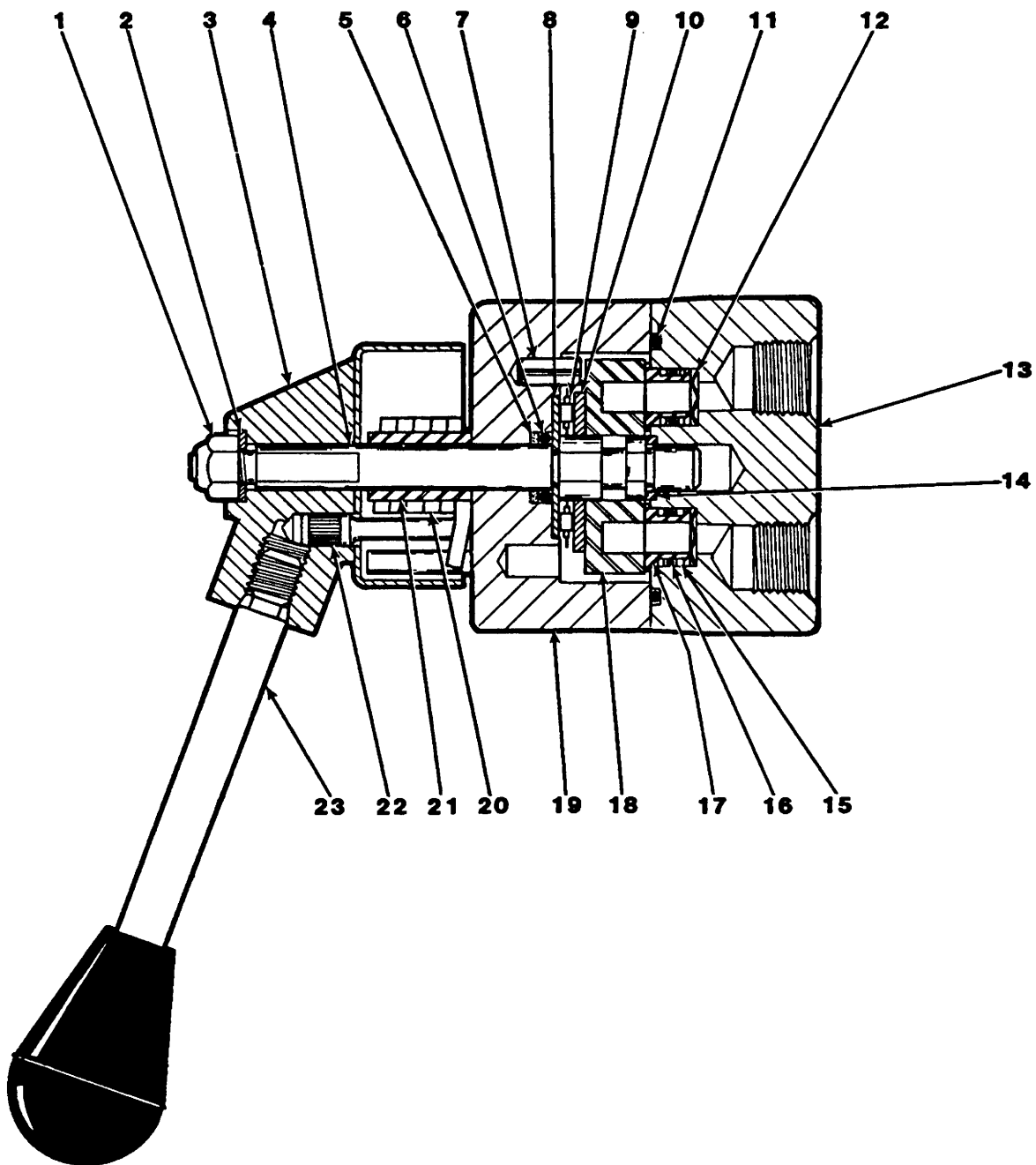
PART NO.

01-032600

[illegible]

4-WAY MANUAL CONTROL VALVE

01-069800



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 10/01/90

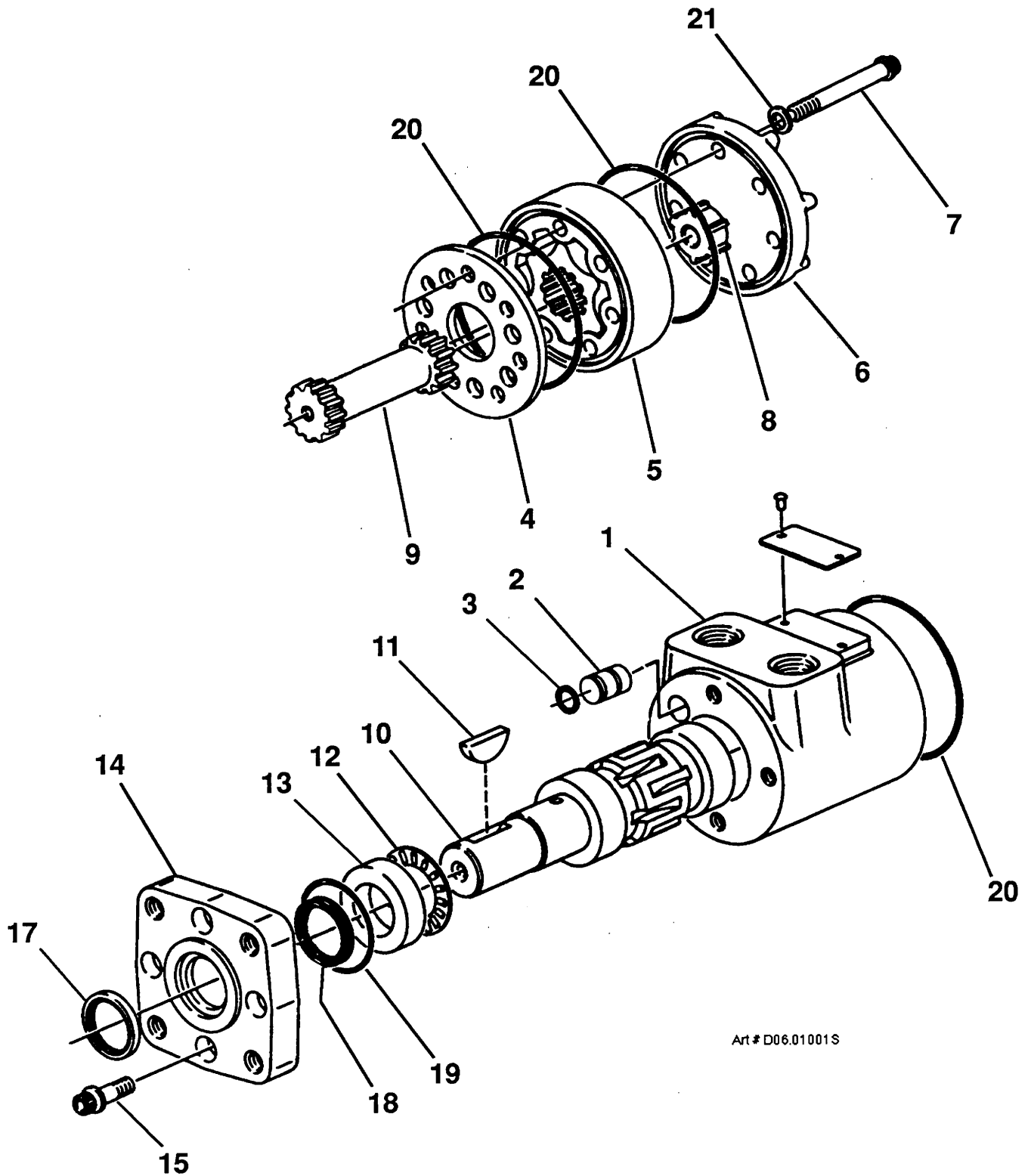
PART
NO.

01-069800

PLATE
NO.

D05.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-002300		SWING MOTOR ASSEMBLY (nameplate is stamped "101-1001-007)	
1			HOUSING	1
2			PLUG	1
3			O-RING	1
4			PLATE, SPACER	1
5			GEROTOR SET	1
6			CAP, END	1
7a	01-002303		CAP SCREW KIT	1
7b			CAP SCREW, TWELVE POINT (5/16"-24)	7
8			SPACER	1
9			SHAFT, DRIVE	1
10	01-002302		SHAFT, OUTPUT	1
11			KEY, WOODRUFF	1
12			BEARING, THRUST (needle bearing)	1
13			RACE, THRUST BEARING	1
14	01-002102		FLANGE, MOUNTING	1
15			CAP SCREW, TWELVE POINT (5/16"-24 x 7/8")	4
16	01-002301		SEAL KIT	1
17			SEAL, DUST	1
18			SEAL, SHAFT PRESSURE	1
19			SEAL	1
20			SEAL	3
21			WASHER, SEAL	7
TITLE SWING MOTOR				
PLATE NO.	D06.01	SIMON AERIALS INC.		REV. 24 AUG., 1994 THIS SHEET ONLY PART NO. 01-002300



Art# D06.01001S

TITLE

SWING MOTOR

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

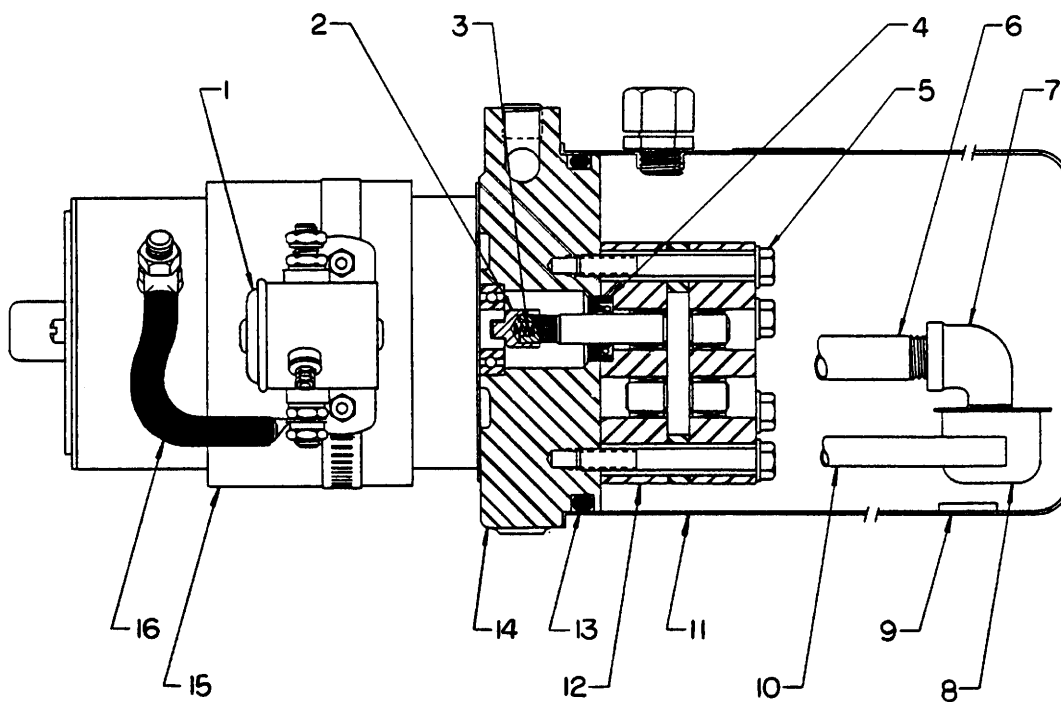
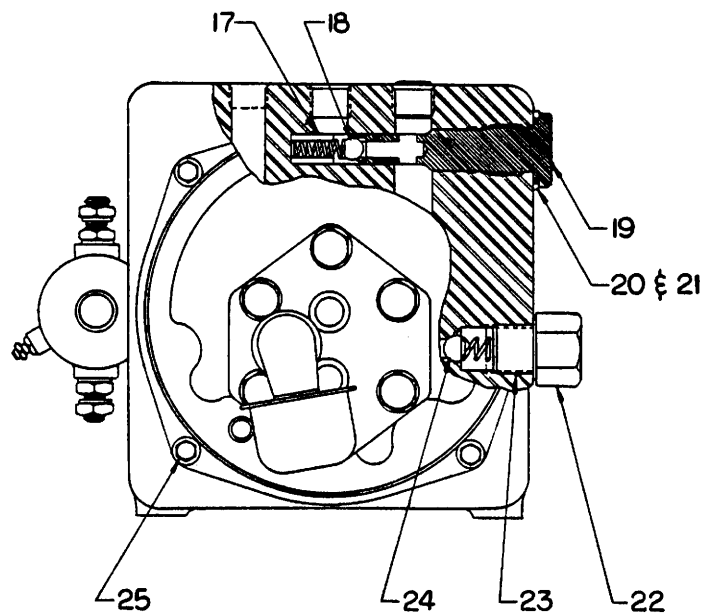
01-002300

PLATE
NO.

D06.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-020201		SOLENOID	1
2	01-020213		COUPLING	1
3			SPRING	1
4	01-020212		SHAFT SEAL .	1
5			HEX BOLT 5/16-24X2½	2
6			PIPE NIPPLE	1
7			STREET ELBOW	1
8			FILTER SCREEN	1
9			MAGNET	1
10			RETURN TUBE	1
11	01-020202		RESERVOIR	1
12	01-020207		PUMP	1
13	01-020203		'O' RING	1
14			END PLATE	1
15	01-020214		MOTOR	1
16			POWER CABLE	1
17			SPRING RETAINER	1
18	01-020209		SPRING & BALL ASSEMBLY	1
19	01-020208		CHECK CAP ASSEMBLY	1
20	01-020211		'O' RING	1
21	01-020210		SEAL RING	1
22	01-020205		RELIEF CAP	1
23			ADJUSTING SCREW	1
24	01-020206		SPRING & BALL ASSEMBLY	1
25			SCREW	4
DESCRIPTION			PART NO.	
EMERGENCY PUMP			01-020200	



1283/0677

DESCRIPTION

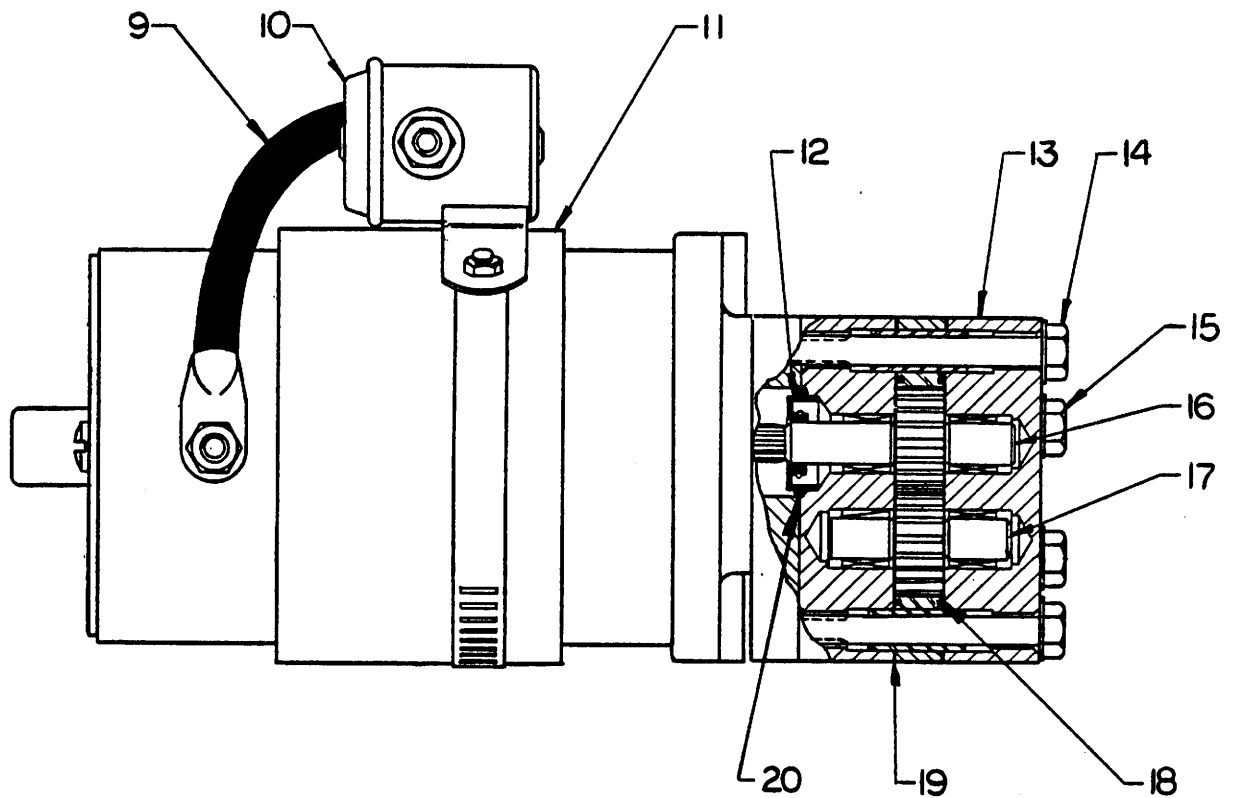
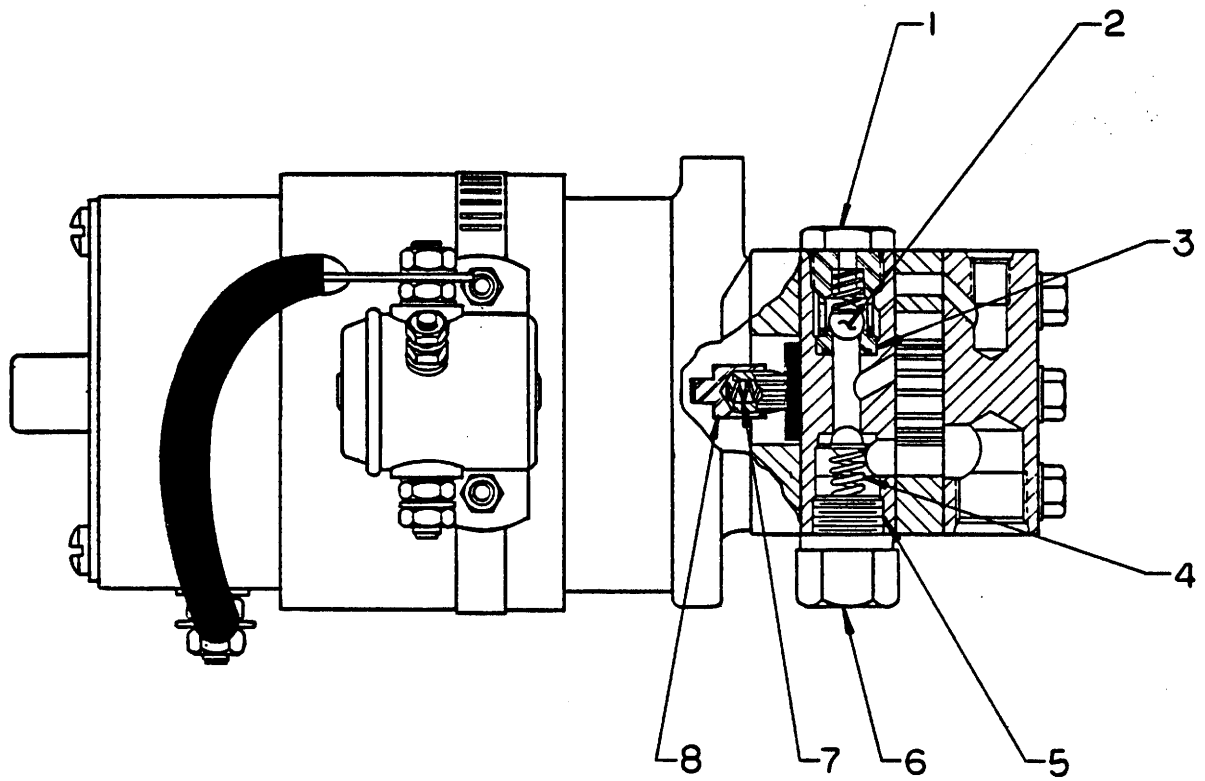
EMERGENCY PUMP

PART NO.

01-020200

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			CHECK CAP ASSEMBLY	1
2			SPRING & BALL ASSEMBLY	1
3			CHECK SEAT ASSEMBLY	1
4	01-020206		SPRING & BALL ASSEMBLY	1
5			ADJUSTING SCREW	1
6			RELIEF CAP	1
7			SPRING	1
8	01-020213		COUPLING	1
9			POWER CABLE	1
10	01-020201		SOLENOID	1
11	01-020214		MOTOR	1
12	01-020212		SHAFT SEAL	1
13			PUMP ASSEMBLY (COMPLETE)	1
14			HEX HD. CAP SCREW 5/16-24X2-3/4	2
15			HEX HD. CAP SCREW 5/16-24X2-1/4	4
16			DRIVE SHAFT	1
17			IDLER SHAFT	1
18			'O' RING	2
19			GASKET	1
20	01-007201		'O' RING (FOR FIELD REPAIR)	1
DESCRIPTION			EMERGENCY PUMP	PART NO. 01-007200



0484/040284

DESCRIPTION

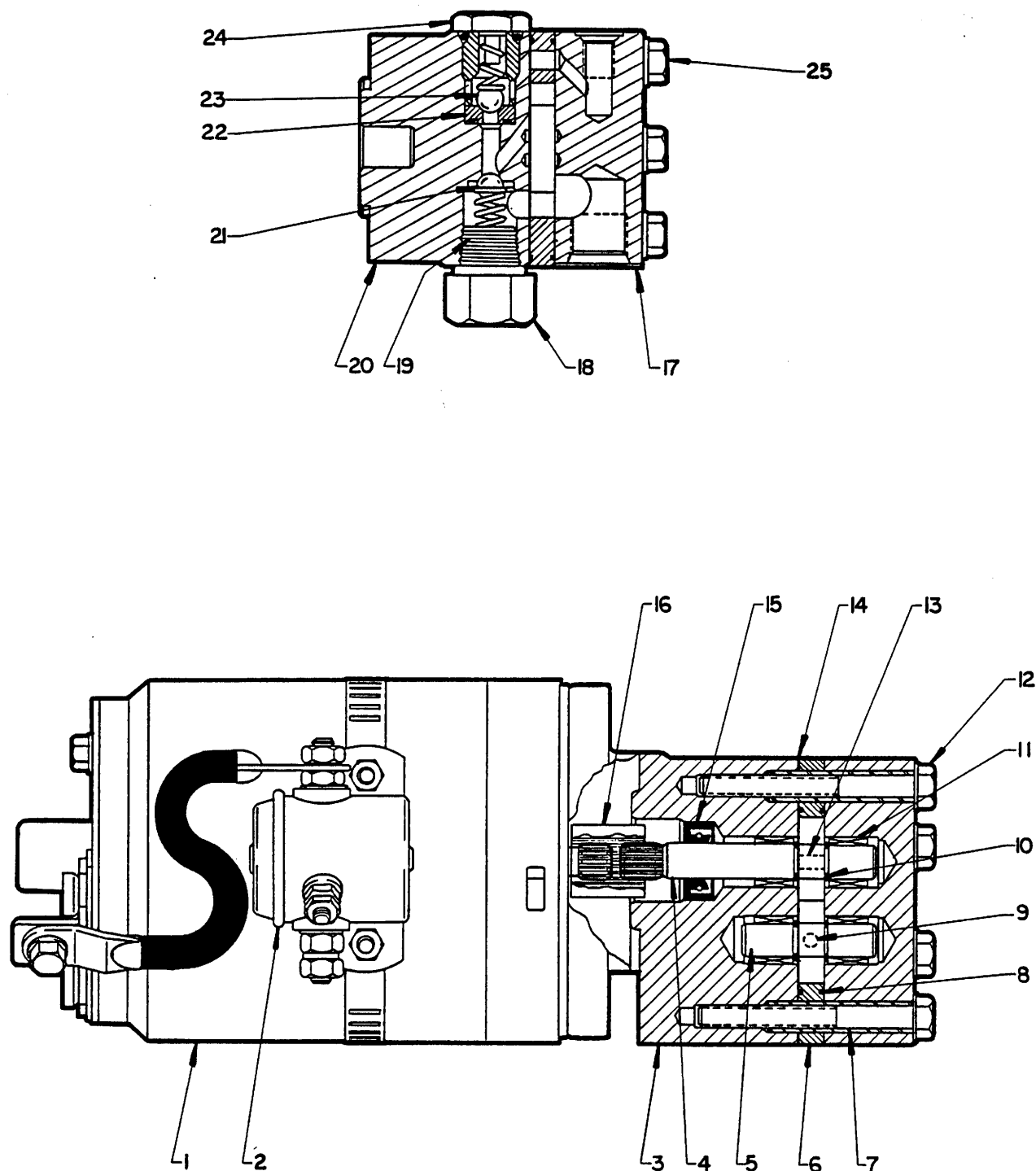
EMERGENCY PUMP

PART NO.

01-007200

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-020201		MOTOR	1
2			SOLENOID RELAY	1
3			PUMP ASSEMBLY (COMPLETE)	1
4			DRIVE SHAFT	1
5			IDLER SHAFT	1
6			GEAR & HOUSING SET	1
7			DOWEL PIN	2
8			'O' RING	2
9			.156 DIA. BALL	1
10	01-020212		RETAINING RING	4
11			NEEDLE BEARING	4
12			H.H.C.S. 5/16-24 X 2½" LG.	2
13			DRIVE PIN	1
14			.001 GASKET	1
15			DRIVE SHAFT OIL SEAL	1
16			COUPLING	1
17			BACK COVER	1
18			RELIEF CAP	1
19	01-020206		ADJUSTING SCREW	1
20			FRONT COVER	1
21			SPRING & BALL ASSEMBLY (RELIEF)	1
22			VALVE SEAT ASSEMBLY	1
23			SPRING & BALL ASSEMBLY (CHECK)	1
24			CHECK CAP ASSEMBLY	1
25			H.H.C.S. 5/16-24 X 2" LG.	4
DESCRIPTION			PART NO.	
EMERGENCY PUMP			01-027000	



0385/0285

DESCRIPTION

EMERGENCY PUMP

PART NO.

01-027000

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-027204		MOTOR, ELECTRIC PUMP	1
2	01-027203		RELAY, SOLENOID.	1
3	01-027205		COUPLING, PUMP	1
4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	1
6			CASE	1
7			PLATE, END	1
8			GEAR	2
9			SHAFT, DRIVE	1
10			SHAFT, IDLER	1
11			BEARING	4
12			KEY, DOWEL	1
13			BALL	1
14			RING, RETAINING	4
15			PIN, DOWEL	2
16	01-027201		SEAL KIT	1
			Note: Items in seal kit are identified by asterisk (*).	
17	*		SEAL, SHAFT	1
18	*		O-RING	2
19	01-027206		RELIEF VALVE ASSEMBLY	1
20			NUT, ACORN	1
21			GASKET, METAL	1
22			NUT, HEX JAM	1
23			SCREW, ADJUSTING	1
24			SPRING	1
25			GUIDE, SPRING	1
26			BALL	1
27			CAP, VALVE	1
28			WASHER, SEALING	1
29			SPRING	1
30			BALL	1

TITLE

EMERGENCY PUMP

PLATE
NO.

D07.04

SIMON AERIALS INC.

REV. 08 OCT., 1993

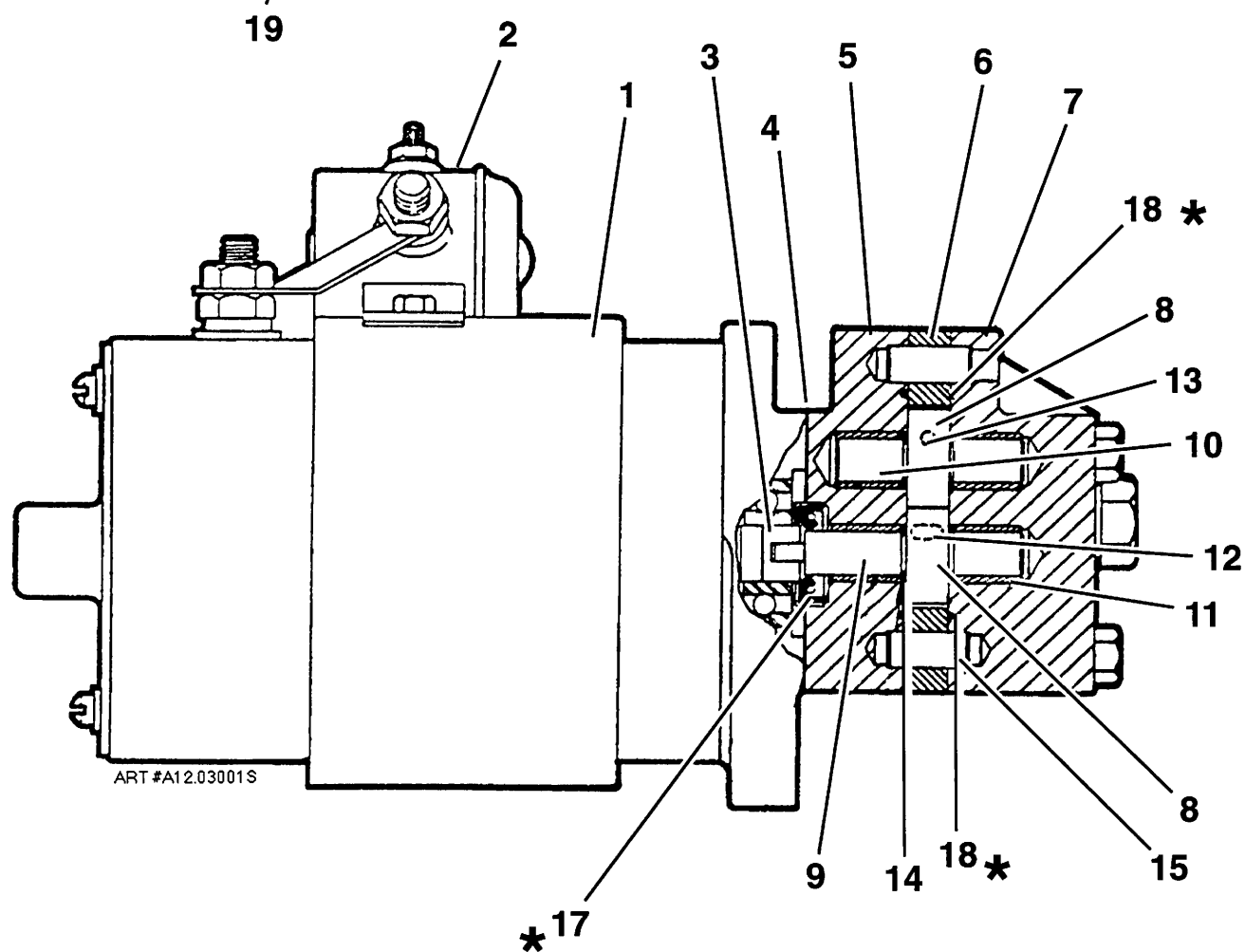
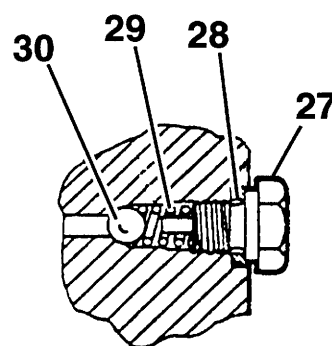
PART
NO.

01-027200

Relief Valve Assembly

20 21 23 24 26 22 25

This diagram illustrates the internal components of a relief valve assembly. The assembly is shown in a cross-sectional view, revealing the internal structure of the valve. The main body of the valve is labeled 20. The internal components, including the valve seat, valve disc, and spring, are labeled 21, 22, 23, 24, 25, and 26. The valve is shown in a closed position, with the valve disc seated against the valve seat. The spring is compressed, holding the valve disc in place. The diagram is labeled with the title "Relief Valve Assembly" and the numbers 20 through 26.



ART #A12.03001S

EMERGENCY PUMP

REV. 08 OCT., 1993

01-027200

D07.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-007000		PUMP ASSEMBLY, HYDRAULIC (PR 24) Pump is marked " *ROPVE XX XXXXXX* " and " *RP 1040 E0E0200* "	
1			FITTING	8
2			SPRING	8
3	01-007007		PISTON	8
4			FITTING	8
5			VALVE, INLET	8
6			BUSHING	8
7			HOUSING	1
8	01-007008		DISK	8
9			SPRING	8
10			GUIDE	8
11			STOP	8
12			VALVE, DISCHARGE	8
13	01-002615		CONE, BEARING	2
14	01-002617		CUP, BEARING	2
15			RING, SNAP	1
16			WASHER	2
17	01-007003		WASHER, THRUST	2
18	01-007004		SHAFT	1
19	01-007005		ROLLER, NEEDLE	25
20	01-007006		RACE, BEARING	1
21	01-002624		SHIM (.006" thick)	A.R.
	01-002625		SHIM (.010" thick)	A.R.
22	01-007001		SEAL KIT (for complete pump, including stroke valve ass'y. on plate 2)	1
23			"O"-RING	8
24			SHIELD	8
25			"O"-RING	8
26			WASHER	8
27	01-002605		SEAL	1
28			RING	1
			Note: Items in seal kit identified by an asterisk (*).	

TITLE

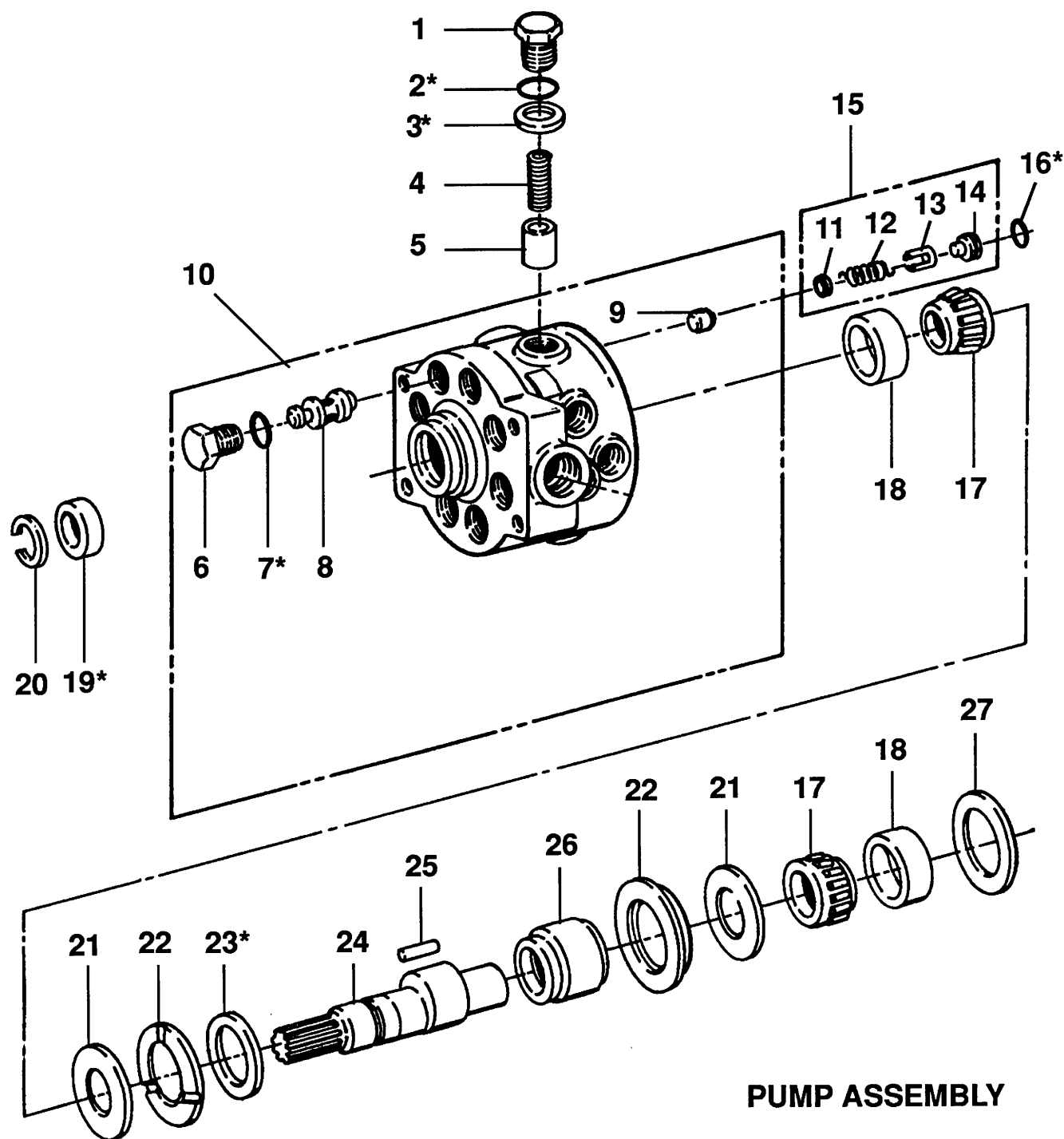
HYDRAULIC PUMP (PLATE 1 OF 2)

PLATE NO. D08.01

SIMON AERIALS INC.

REV. 07 APR., 1995
THIS SHEET ONLY

PART NO. 01-007000



PUMP ASSEMBLY

NOTE: ITEMS IN SEAL KIT IDENTIFIED BY AN ASTERISK (*).

TITLE

HYDRAULIC PUMP (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 11/21/90

PART
NO.

01-007000

PLATE
NO.

D08.01

PARTS LIST

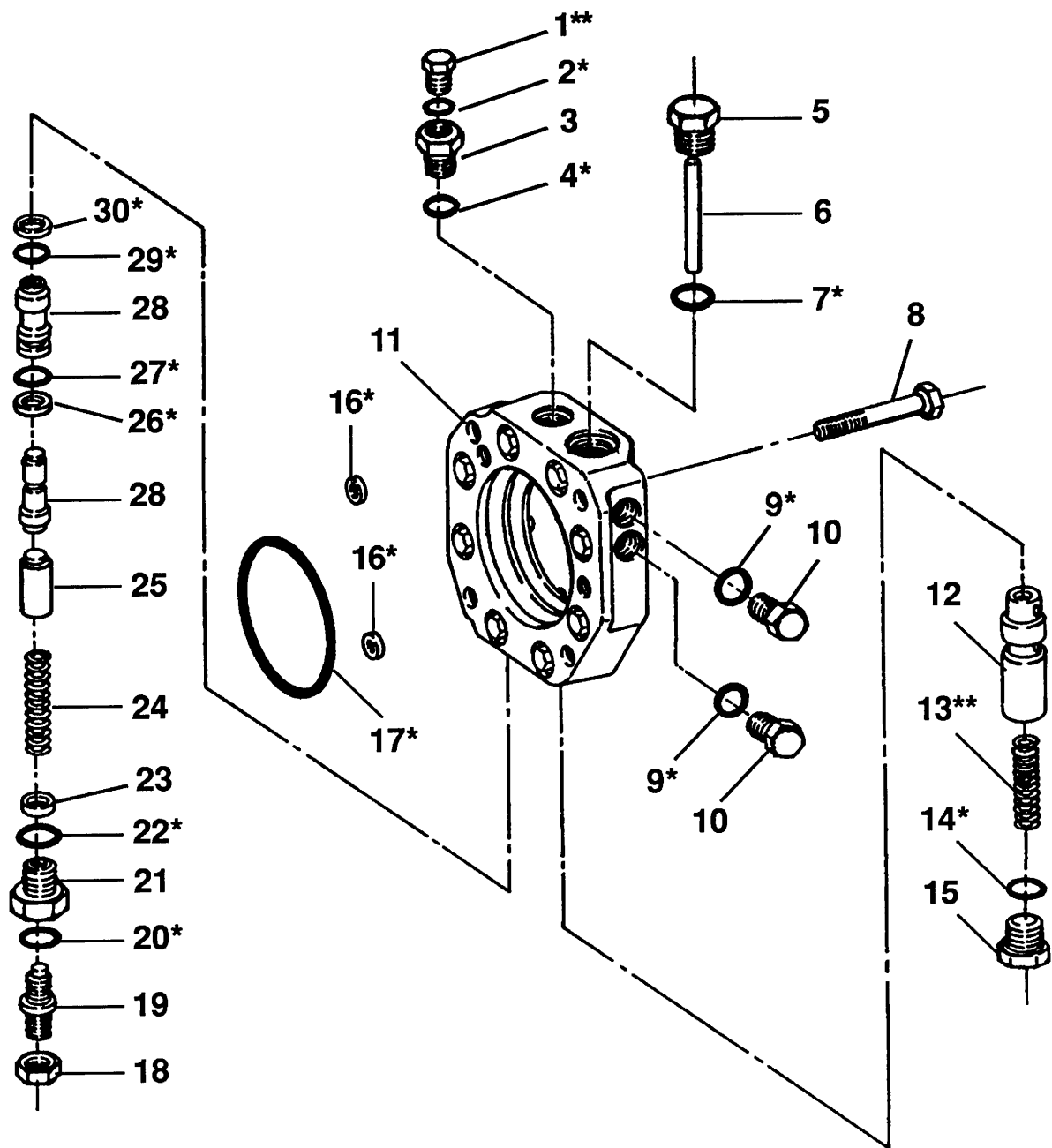
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-006602	**	PLUG, DRAIN (Not used, HPC ports. Removal required)	
2		*	"O"-RING	1
3			PLUG	1
4		*	"O"-RING	1
5			PLUG, DRAIN	1
6			PIN	1
7		*	"O"-RING	1
8			CAP SCREW, HEX HEAD	4
9		*	"O"-RING	2
10			PLUG, DRAIN	2
11			HOUSING	1
12			VALVE, CRANK CASE	1
13		**	SPRING (Not used. Removal required)	
14		*	"O"-RING	1
15			PLUG, DRAIN	1
16		*	WASHER	2
17		*	"O"-RING	1
18			NUT	1
19	01-002614		SCREW, SET	1
20		*	"O"-RING	1
21			FITTING	1
22		*	"O"-RING	1
23			WASHER	1
24			SPRING	1
25			GUIDE	1
26		*	RING, BACK UP	1
27		*	"O"-RING	1
28			VALVE, PRESSURE RELIEF (COMPENSATOR)	1
29		*	"O"-RING	1
30		*	RING, BACK UP	1
*	01-007001		SEAL KIT (for complete pump. Also see plate 1) Note: Items in seal kit identified by an asterisk (*).	1
**			Note: Not used. Removal required.	

TITLE HYDRAULIC PUMP (PLATE 2 OF 2, PUMP STROKE VALVE ASSEMBLY)

PLATE NO. D08.01 **SIMON AERIALS INC.**

REV. 11/21/90

PART NO. 01-007000



PUMP STROKE VALVE ASSEMBLY

**NOTE: ITEMS IN SEAL KIT IDENTIFIED BY AN ASTERISK (*).
ITEM WITH DOUBLE ASTERISK (**) NOT USED, REMOVAL REQUIRED.**

TITLE HYDRAULIC PUMP (PLATE 2 OF 2, PUMP STROKE VALVE ASSEMBLY)

SIMON AERIALS INC.

REV. 11/21/90

PART NO. 01-007000

PLATE NO. D08.01

PARTS LIST

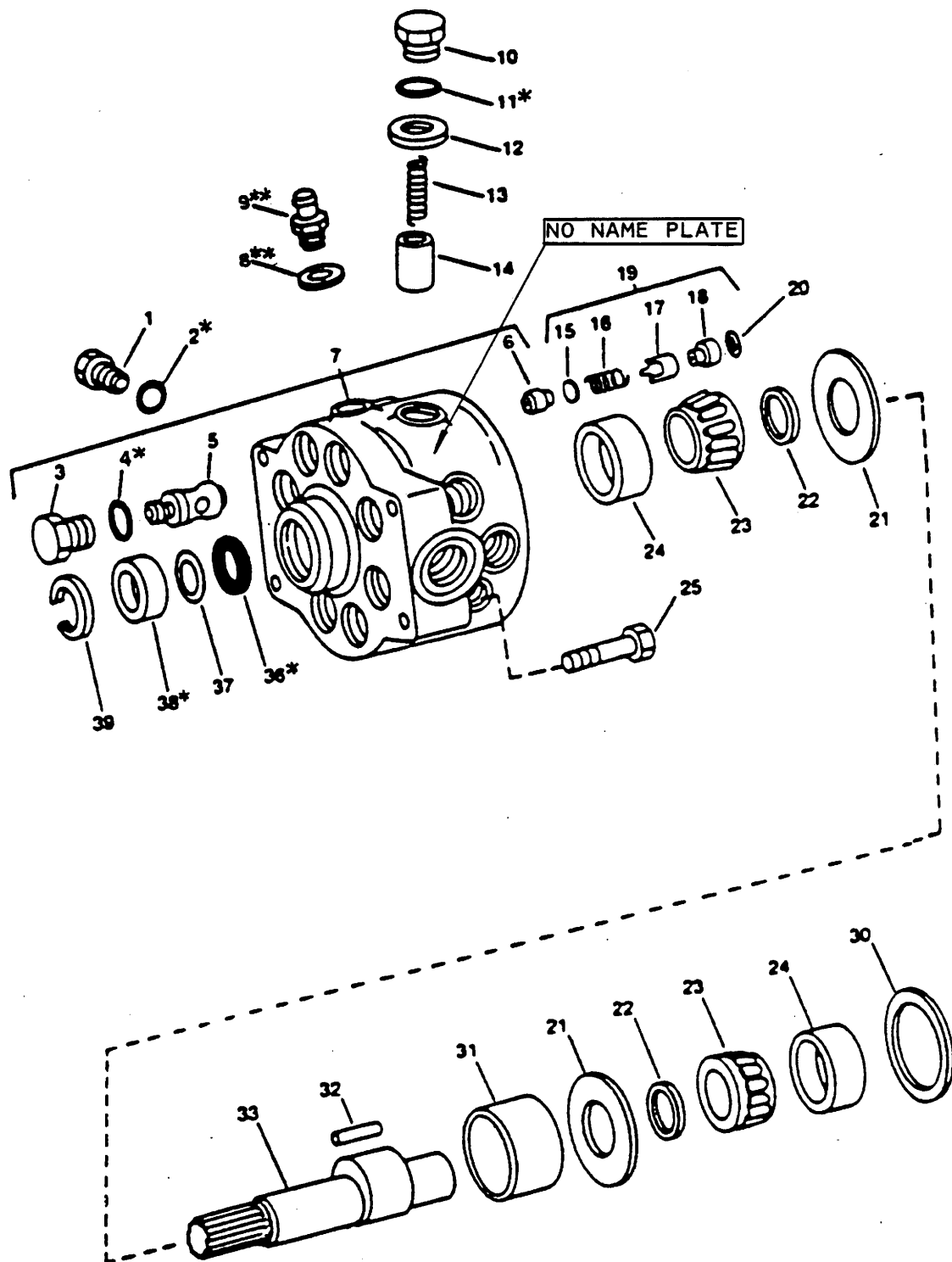
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			DRAIN PLUG	1
2*			'O' RING	1
3			FITTING	8
4*			'O' RING	8
5			INLET VALVE	8
6			BUSHING, DISCHARGE VALVE	8
7			HOUSING	1
8**			WASHER	
9**			FITTING	
10	01-031405		FITTING, PUMP PISTON	8
11*			'O' RING	8
12			SHEILD	8
13	01-031404		PISTON SPRING (SET OF 8)	1
14	01-031402		PISTON	8
15			DISK, DISCHARGE VALVE	8
16			SPRING, DISCHARGE VALVE	8
17			GUIDE, DISCHARGE VALVE	8
18			STOP, DISCHARGE VALVE	8
19	01-034311		DISCHARGE VALVE ASSEMBLY	8
20	01-034301		WASHER, DISCHARGE VALVE	8
21	01-034310		THRUST WASHER	2
22			WASHER	2
23	01-002615		BEARING CONE	2
24	01-002617		BEARING CUP	2
25			CAP SCREW	4
30	01-002624		SHIM .006"	A.R.
30	01-002625		SHIM .010"	A.R.
31	01-034308		BEARING RACE	1
32	01-034309		NEEDLE ROLLER	36
33	01-034302		SHAFT	1
36*	01-002607		'O' RING	1
37			SHIM	1
38*	01-002605		SEAL	1
39			SNAP RING	1
*	01-031401		SEAL KIT	
**			NOT USED, REQUIRES REMOVAL	

DESCRIPTION

HYDRAULIC PUMP-EARLY MODEL

PART NO.

01-034300



NOTE:

*SEAL KIT P/N 01-031401

**NOT USED, REQUIRES REMOVAL

1084/0677

DESCRIPTION

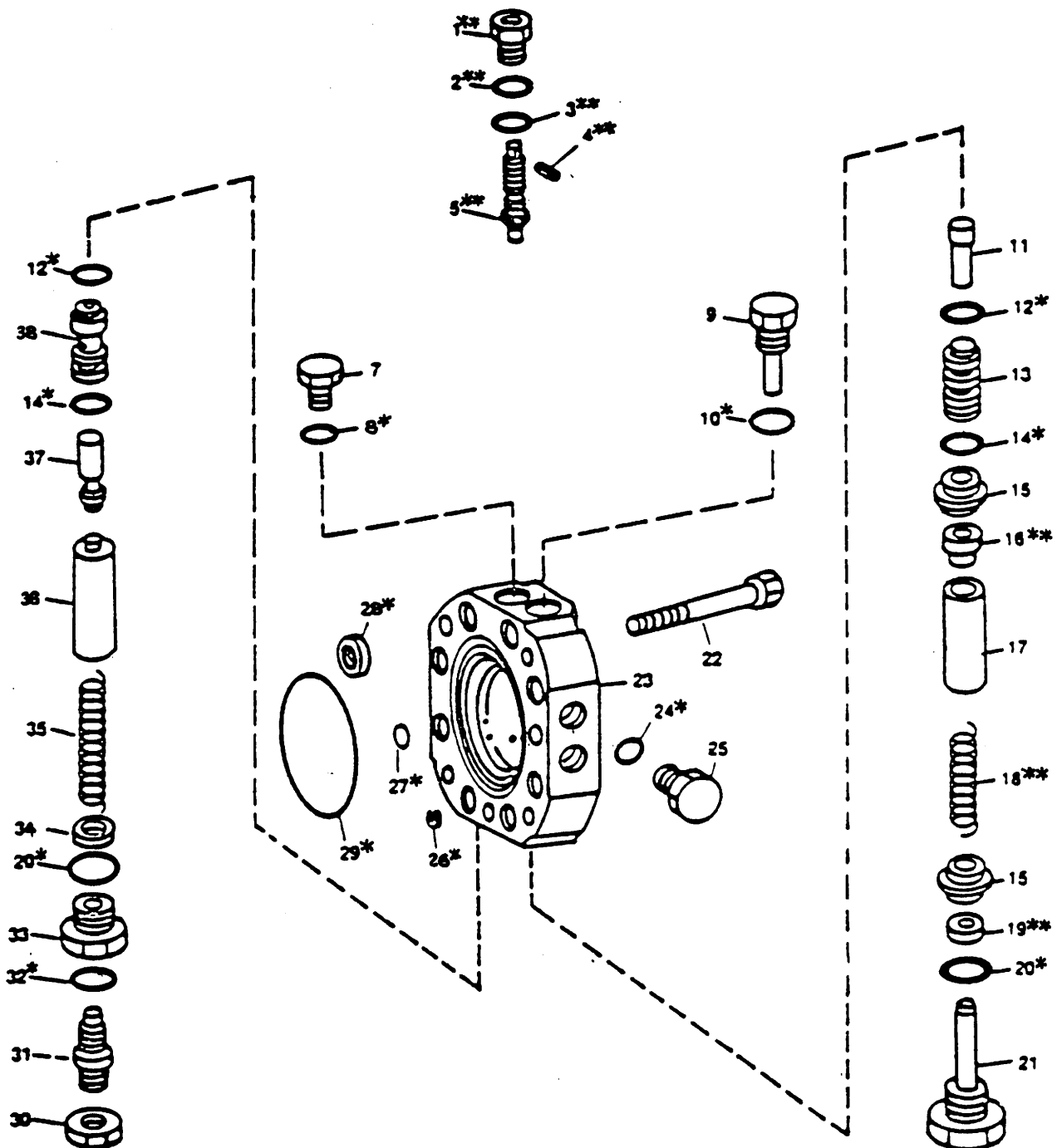
HYDRAULIC PUMP-EARLY MODEL

PART NO.

01-034300

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1**			FITTING	
2**			'O' RING	
3**			'O' RING	
4**			SPRING PIN	
5**			SCREW	
6**			SCREW ASSEMBLY	
7			DRAIN PLUG	1
8			'O' RING	1
9			DRAIN PLUG	1
10			'O' RING	1
11	01-002604		CRANKCASE OUTLET VALVE	1
12			'O' RING	1
13	01-002609		SLEEVE, CRANKCASE OUTLET VALVE	1
14			'O' RING	1
15	01-002603		PACKING	2
16**			GUIDE	
17	01-002606		FILTER ELEMENT	1
18**			SPRING	
19**			SHIM	
20*			'O' RING	2
21	01-002610		DRAIN PLUG	1
22			CAP SCREW	4
23			HOUSING	1
24*			'O' RING	2
25			PLUG	2
26*			WASHER	1
27*			'O' RING	1
28*			WASHER	8
29*	01-034303		'O' RING	1
30			NUT	1
31	01-002602		SET SCREW, ADJUSTING	1
32*	01-002614		'O' RING	1
33	01-002613		FITTING, ADJUSTING SCREW	1
34			WASHER	1
35			SPRING	1
36			GUIDE	1
37			CONTROL VALVE	1
38	01-002620		SLEEVE, CONTROL VALVE	1
*	01-034307		SEAL KIT	
**			NOT USED, RQUIRES REMOVAL	
DESCRIPTION			HYDRAULIC PUMP-EARLY MODEL	PART NO. 01-034300



NOTE:

*SEAL KIT P/N 01-034307
 **NOT USED, REQUIRES REMOVAL

1084/0677

DESCRIPTION

HYDRAULIC PUMP-EARLY MODEL

PART NO.

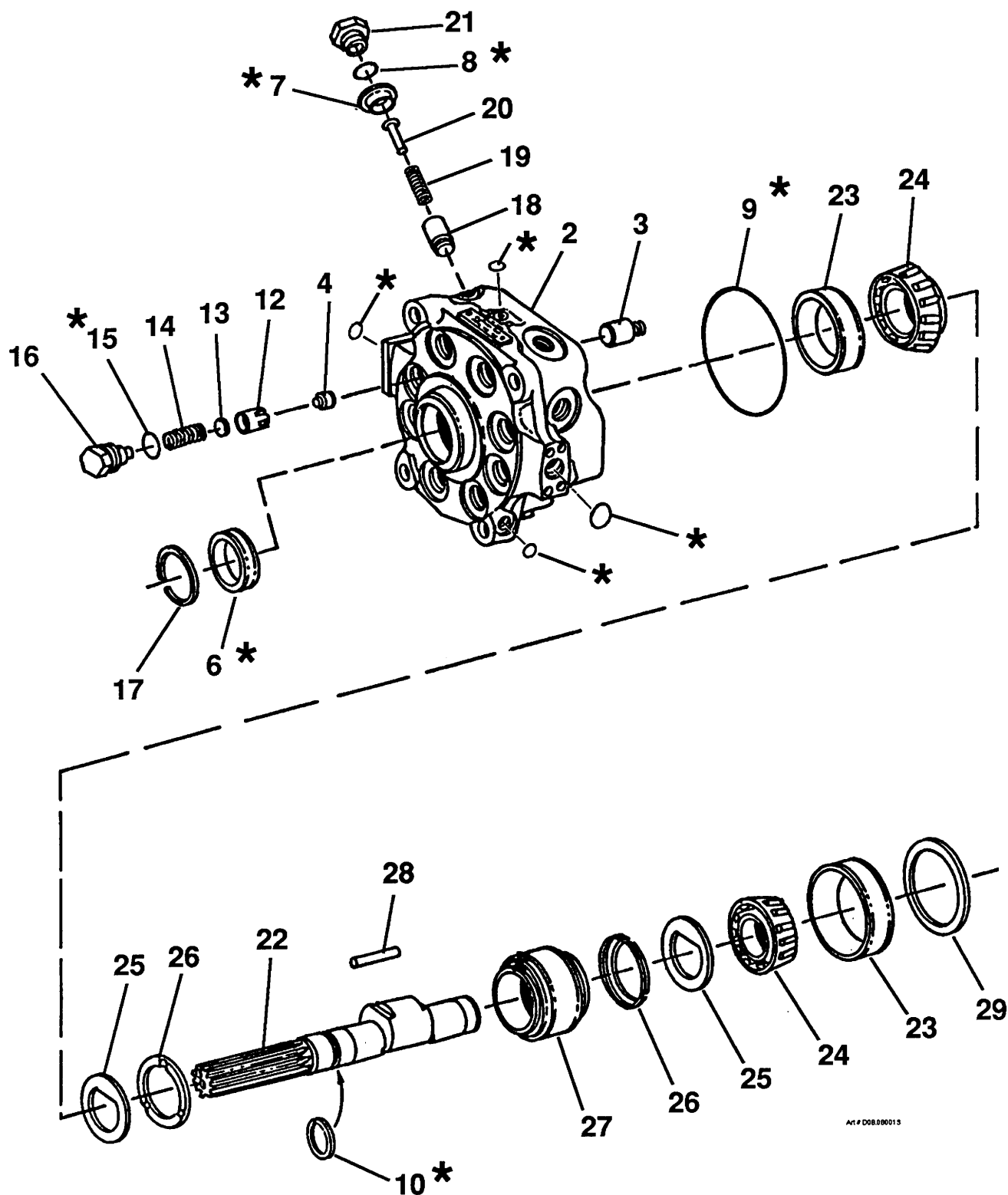
01-034300

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-018600		PUMP ASSEMBLY, HYDRAULIC (HPR 50) Pump is marked "2472 R115311" Note: Type 1 pump, with non-unitized control valve (see illustration, Plate 2 of 2). For replacement of complete unit, use 01-019500, shown on Plate D08.13.	1
1			HOUSING ASSEMBLY, PUMP	1
2			HOUSING, PUMP	1
3			VALVE, INLET	8
4			SEAT, DISCHARGE VALVE	8
5	01-018702		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
6	01-002605	*	SEAL, OIL	1
7		*	SHIELD (plastic)	8
8		*	"O"-RING	8
9	01-018704	*	"O"-RING, CENTER HUB	1
10	01-018705	*	RING, SEALING	1
11			VALVE, DISCHARGE	8
12			GUIDE, VALVE	1
13			DISC, DISCHARGE VALVE	1
14			SPRING	1
15		*	"O"-RING	1
16			PLUG, DISCHARGE VALVE	1
17	01-019503		RING, SNAP	1
18			PISTON	8
19			SPRING, PISTON	8
20			PIN, COOLING	8
21	01-019201		PLUG, PISTON	8
22	01-019506		SHAFT, PUMP	1
23	01-019504		CUP, PUMP SHAFT BEARING	2
24	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2
25			SPACER	2
26	01-019510		WASHER, THRUST	2
27	01-019508		RACE, BEARING	1
28	01-019507		ROLLER, NEEDLE	25
29	01-019509		SHIM (0.15 mm)	A.R.
			SHIM (0.25 mm)	A.R.

TITLE HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	D08.08	SIMON AERIALS INC.	REV. 09/27/91	PART NO. 01-018600
-----------	--------	---------------------------	---------------	--------------------



TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09/27/91

PART
NO.

01-018600

PLATE
NO.

D08.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
5	01-018702		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
30			HOUSING, PUMP INLET	1
31	01-018706		VALVE, PRESSURE COMPENSATOR CONTROL	1
32		*	"O"-RING	1
33		*	RING, BACKUP	1
34			VALVE, DAMPENING (not used in this application)	1
35			Note: Must be removed from replacement pump. SPRING, DAMPENING VALVE (not used in this application)	1
			Note: Must be removed from replacement pump.	
36		*	"O"-RING	1
37			PLUG, PRESSURE COMPENSATOR	1
38			GUIDE, SPRING	1
39			SPRING, PRESSURE COMPENSATOR	1
40			SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING	
			Note: Older type shown (items 40 thru 43), without sleeve. Pressure compensator should be updated to latest type, which has spring sleeve (items 44 thru 48).	
41		*	"O"-RING	1
42			PLUG	1
43			NUT	1
44			SCREW, PUMP PRESSURE ADJUSTING	1
45			BUSHING (with spring sleeve)	1
46			SPRING, PRESSURE COMPENSATOR (outer)	1
47			SPRING, PRESSURE COMPENSATOR (inner)	1
48			GUIDE, SPRING	1
49			SPRING, SHUTTLE VALVE	1
50			VALVE, SHUTTLE	1
51			DESTROKE, MANUAL	1
52		*	"O"-RING	1
53			PLUG	1
54		*	PACKING, INLET HOUSING TO PUMP HOUSING	1
55		*	PACKING, HIGH PRESSURE PASSAGE	1

TITLE HYDRAULIC PUMP (NON-UNITIZED CONTROL VALVE) (PLATE 2 OF 2)

PLATE NO.

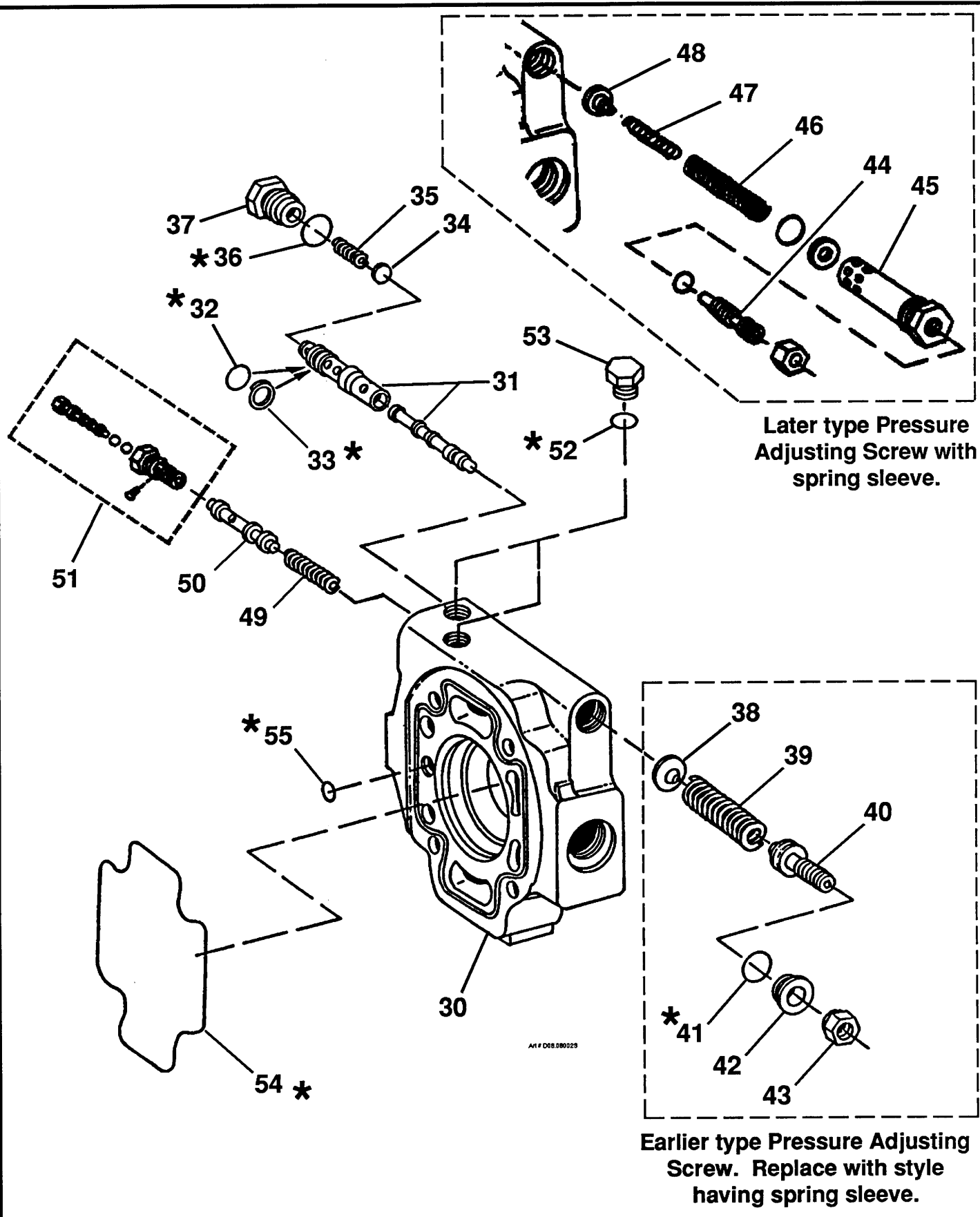
D08.08

SIMON AERIALS INC.

REV. 05/24/91

PART NO.

01-018600



TITLE HYDRAULIC PUMP (NON-UNITIZED CONTROL VALVE) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09/27/91

PART
NO.

01-018600

PLATE
NO.

D08.08

PARTS LIST

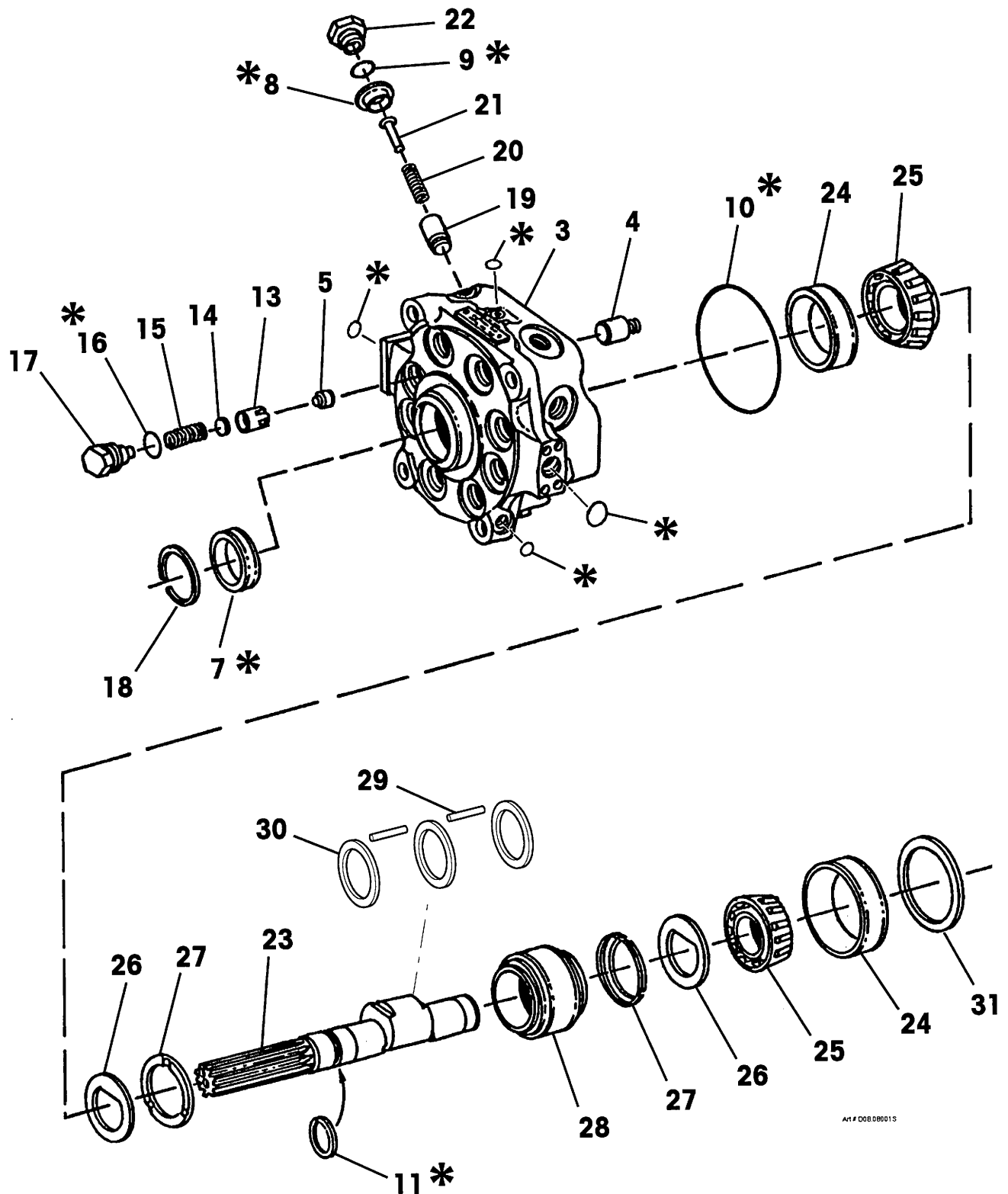
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "**ROPV 312 XXXXX*" and "24 71 R11531")	1
	01-206900			
	01-019500		HPR 50 (marked "**ROPV 322 XXXXX*" and "24 72 R11531")	
	01-018700		HPR 65 (marked "**ROPV 332 XXXXX*" and "24 73 R11531")	
2			HOUSING ASSEMBLY, PUMP	1
3			HOUSING, PUMP	1
4	01-019519		VALVE, INLET	8
5	01-019518		SEAT, DISCHARGE VALVE	8
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
7	01-002605	*	SEAL, OIL	1
8		*	SHIELD (plastic)	8
9	01-019512	*	"O"-RING	8
10	01-018704	*	"O"-RING, CENTER HUB	1
11	01-018705	*	RING, SEALING	1
12			VALVE, DISCHARGE	8
13	01-019517		GUIDE, VALVE	1
14	01-018715		DISC, DISCHARGE VALVE	1
15	01-019516		SPRING	1
16	01-019515	*	"O"-RING	1
17			PLUG, DISCHARGE VALVE	1
18	01-019503		RING, SNAP	1
19	01-019514		PISTON	8
20	01-019513		SPRING, PISTON	8
21	01-019520		PIN, COOLING	8
22			PLUG, PISTON	8
23			SHAFT, PUMP	1
	01-019506		for Model HPR 40	
	01-018708		for Model HPR 50	
			for Model HPR 65	
24	01-019504		CUP, PUMP SHAFT BEARING	2
25	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2
26	01-018710		SPACER	2
27	01-019510		WASHER, THRUST	2
28	01-019508		RACE, BEARING	1
29	01-019507		ROLLER, NEEDLE	50
30	01-019521		SPACER, NEEDLE ROLLER	3
31	01-019509		SHIM (0.15 mm)	A.R.
			SHIM (0.25 mm)	A.R.

TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION **D08.** | PLATE NO. **13** | PAGE **01** | REV. **A** | DATED 08 OCT., 1996 | PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Art # D08 080013

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

HYDRAULIC PUMP ASSEMBLY

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

01

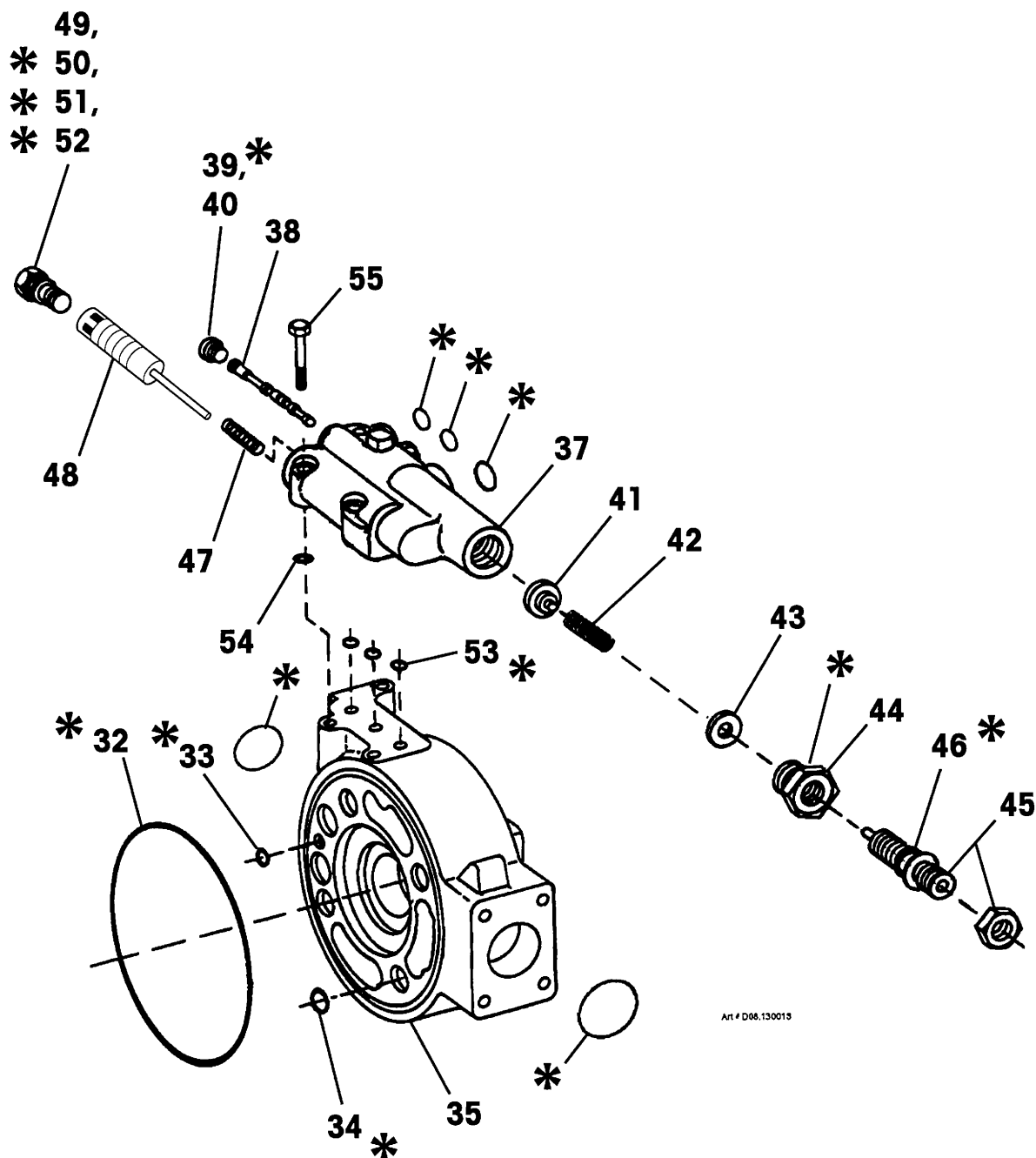
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
32	01-018711	*	PACKING, INLET HOUSING TO PUMP HOUSING	1
33		*	PACKING, HIGH PRESSURE PASSAGE	1
34		*	PACKING, BOLT PASSAGE	4
35			HOUSING, PUMP INLET	1
36	01-019502		VALVE ASSEMBLY, CONTROL	1
37			HOUSING, PRESSURE COMPENSATOR	1
38			VALVE, PRESSURE COMPENSATOR CONTROL	1
39		*	"O"-RING	1
40			PLUG, PRESSURE COMPENSATOR	1
41			GUIDE, SPRING	1
42			SPRING, PRESSURE COMPENSATOR	1
43		*	WASHER	1
44			PLUG, ADJUSTING	1
45			SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING	1
46		*	"O"-RING	1
47			SPRING, CRANKCASE RELIEF VALVE	1
48			VALVE, EXTERNAL CONTROL	1
49			PLUG, DESTROKE	1
50		*	"O"-RING	1
51		*	"O"-RING	1
52		*	PLUG	1
53		*	PACKING, PRESSURE	3
54		*	SHIM, PRESSURE COMPENSATOR HOUSING	A.R.
55			CAP SCREW, HEX HEAD	3

TITLE **HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)**

SECTION **D08.** PLATE NO. **13** PAGE **02** REV. **A** DATED **08 OCT., 1996** PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Art # D08.130015

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

02

PARTS LIST

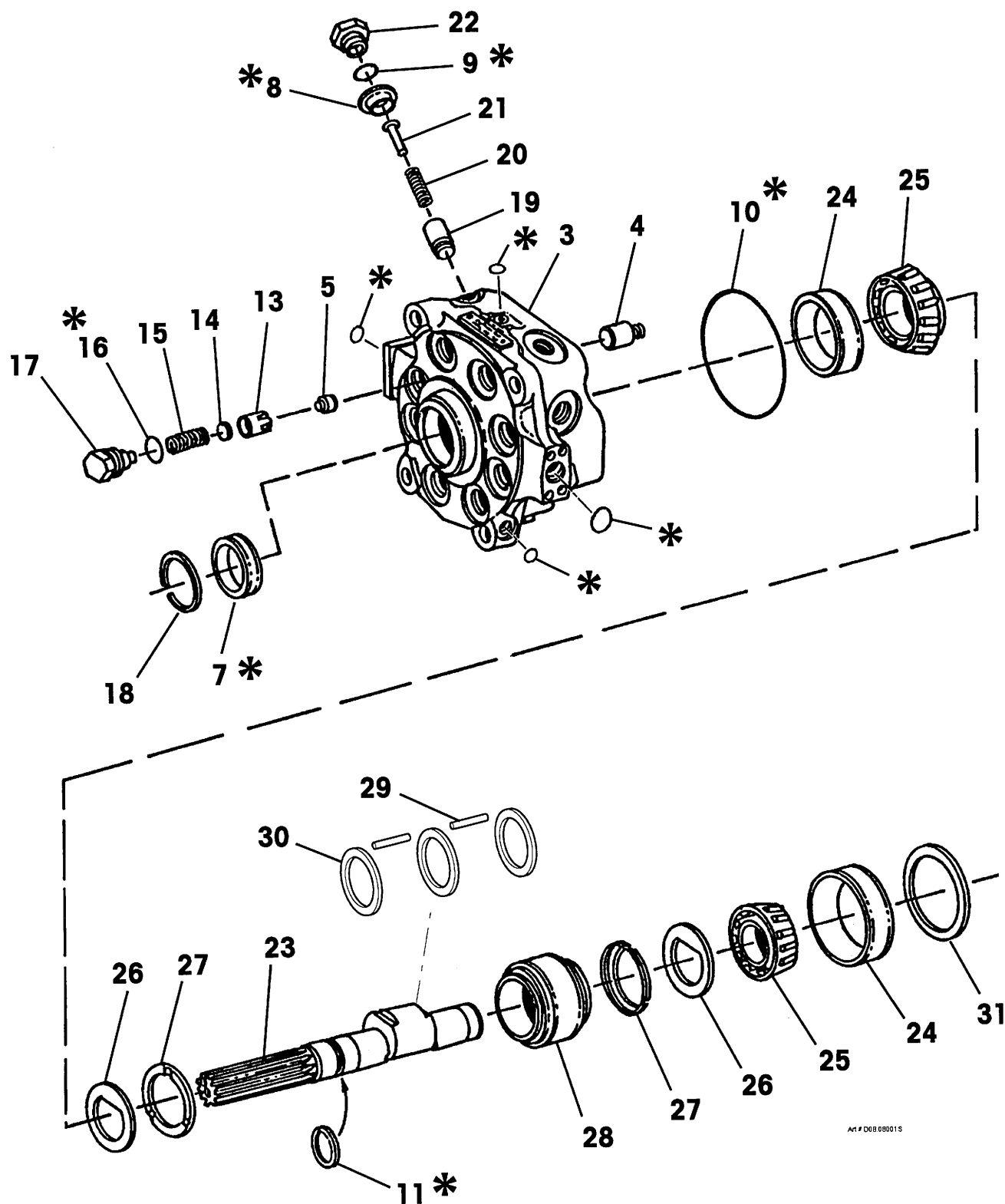
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Hydraulic Pump:	
			Suction Fittings:	
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose (32 C4-32 FL90) 90°, 2" SAE flange to 2" hose (23867-32-32 FC) (Obsolete. Use 06-216100 and 06-214400.)	1
	06-214300		90°, 2" stem to 1-1/2" hose (24-32 FL90)	
	06-195700		90°, 2" SAE flange to 1-1/2" hose (23867-24-32 FC) (Obsolete. Use 06-214300 and 06-214400.)	
	06-216200 06-195600		45°, 2" stem to 1-1/2" hose (24-32 FL45) 45°, 2" SAE flange to 1-1/2" hose (23868-24-32 FC) (Obsolete. Use 06-216200 and 06-214400.)	
			Pressure Fittings:	
58	06-213800		FLANGE KIT, PRESSURE FITTING (16 CFHS-87989) (includes two halves and mounting hardware)	1
59			ADAPTER, STEM	1
	06-213900 06-215700 06-202100		(16 FL5K-12MJ90) (16 FL5K-16MJ90) FITTING, COMPANION FLANGE (L1-16-16S-30) (Obsolete. Use 06-213800 and 06-213900.)	
61	06-195800 06-215800		FITTING KIT, FLANGE (SAE #16, 4 bolt) (5151 HK-16) (Obsolete.) 45° ELBOW, "O"-RING TO 37° (10 V50X-S)	1

TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION **D08.** PLATE NO. **13** PAGE **03** REV. **A** DATED 08 OCT., 1996 PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

HYDRAULIC PUMP ASSEMBLY

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

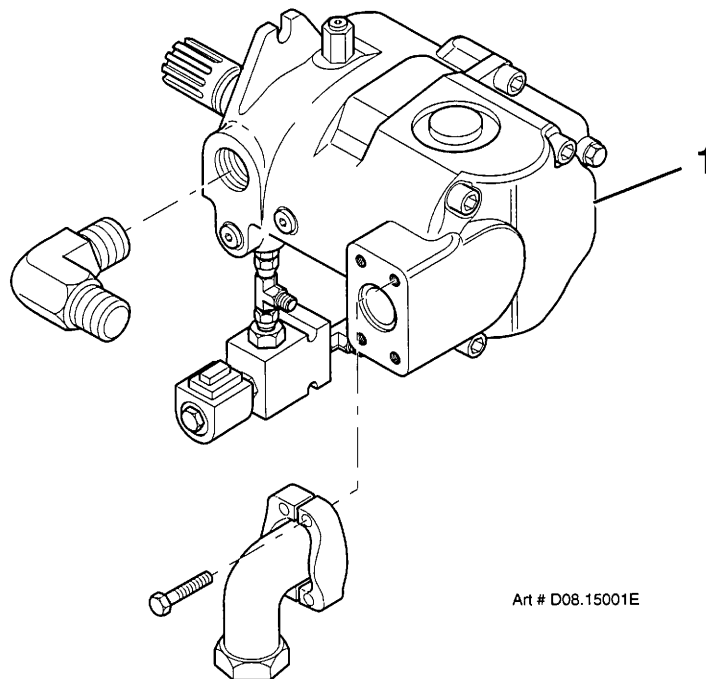
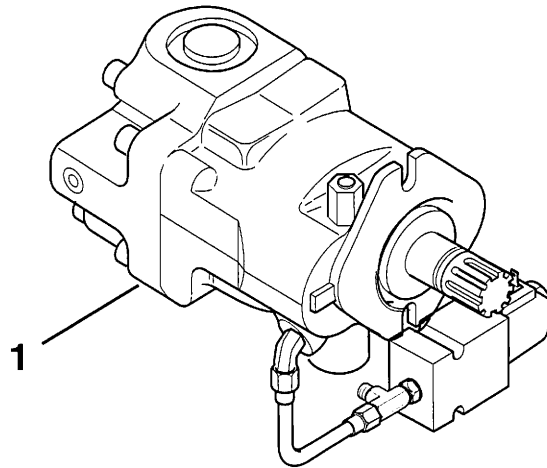
PAGE

03

[illegible]

HYDRAULIC PUMP ASSEMBLY

PART
NO.



Art # D08.15001E

TITLE

HYDRAULIC PUMP ASSEMBLY

SIMON AERIALS INC.

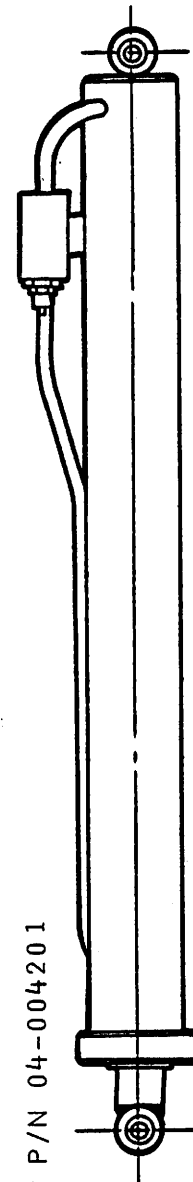
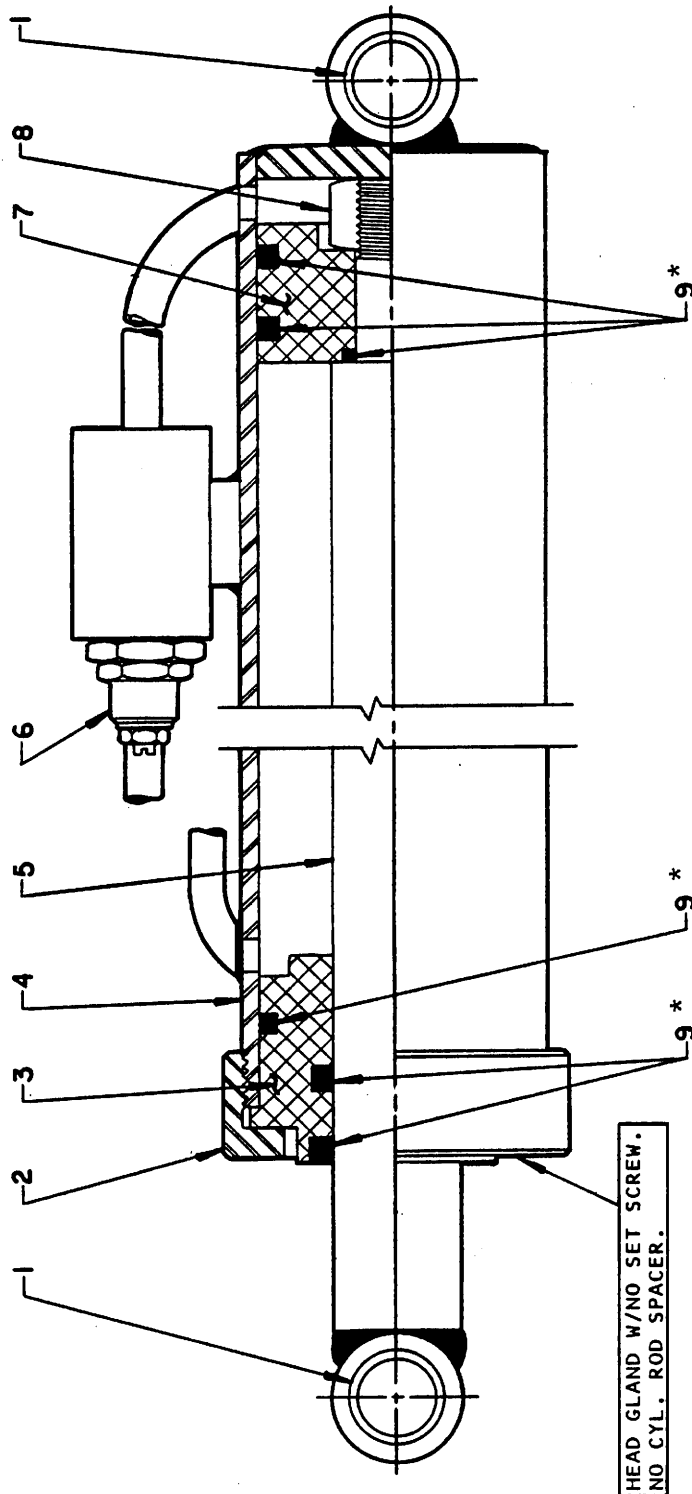
NEW 24 JAN., 1996

PART
NO.

PLATE
NO. D08.15

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-004203		BUSHING	4
2	04-004205		RETAINING NUT	1
3	04-004204		HEAD GLAND	1
4			CASE	1
5	04-004206		ROD	1
6	04-021402		HOLDING VALVE	1
7			PISTON	1
8			PISTON NUT	1
9	04-004201		SEAL KIT	1
DESCRIPTION			PART NO.	
LIFT CYLINDER			04-004200	



NOTE:
* SEAL KIT P/N 04-004201

HEAD GLAND W/NO SET SCREW.
NO CYL. ROD SPACER.

0284/0281

DESCRIPTION

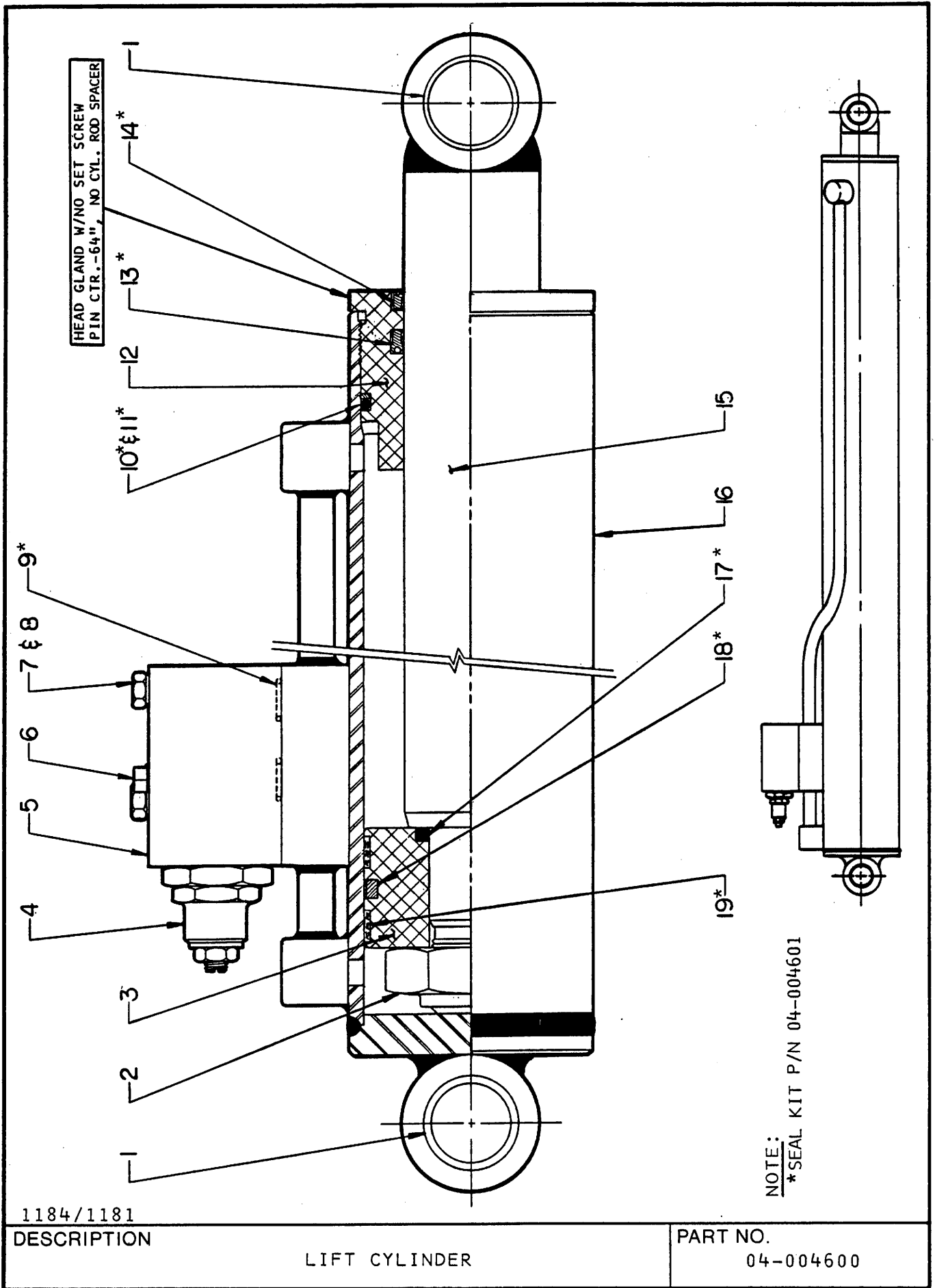
LIFT CYLINDER

PART NO.

04-004200

PARTS LIST

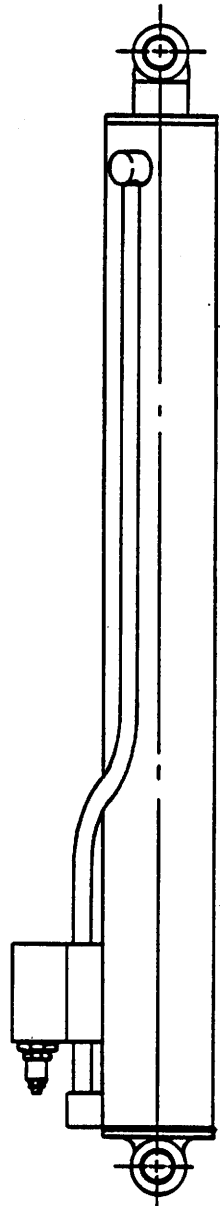
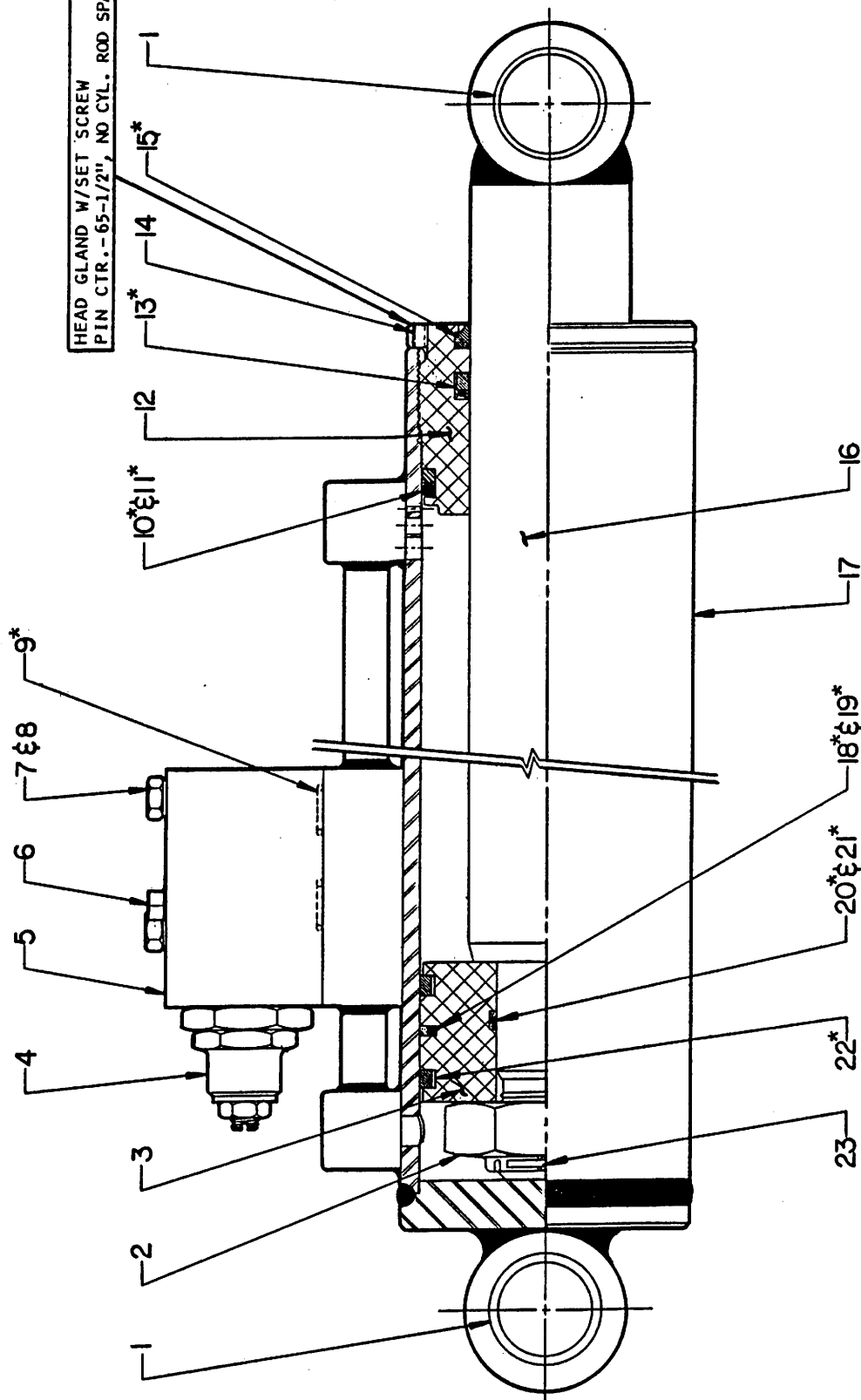
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.	
1	04-004604		BUSHING	4	
2			PISTON LOCK NUT	1	
3			PISTON	1	
4	04-021402		LOAD HOLDING VALVE	1	
5	04-004602		VALVE BLOCK ASSEMBLY	1	
6	SQUARE HEAD PIPE PLUG		1		
7	HEX HEAD CAP SCREW		4		
8	LOCKWASHER, 3/8		4		
9*	'O' RING		2		
10*	'O' RING		1		
11*	BACK-UP RING		1		
12	HEAD GLAND		1		
13*	ROD SEAL		1		
14*	WIPER		1		
15	ROD		1		
16	CASE		1		
17*	'O' RING		1		
18*	PISTON SEAL		1		
19*	WEAR RING		1		
*	04-004601		SEAL KIT	1	
DESCRIPTION			PART NO.		
LIFT CYLINDER			04-004600		



PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-021402		BUSHING	4
2			PISTON NUT	1
3			PISTON	1
4			HOLDING VALVE	1
5			VALVE BLOCK ASSEMBLY	1
6			PLUG	1
7	04-000102		HEX HEAD CAP SCREW	4
8			LOCKWASHER	4
9*			'O' RING	2
10*			'O' RING	1
11*			BACK-UP RING	1
12			HEAD GLAND	1
13*			ROD SEAL	1
14			S.H.S.S., 1/4-20X3/8 LG. NYLOCK	1
15*			WIPER	1
16			ROD	1
17			CASE	1
18*			'O' RING	1
19*	04-000101		PISTON SEAL	1
20*			'O' RING	1
21*			BACK-UP RING	2
22*			PISTON RING	2
23			COTTER KEY	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
LIFT CYLINDER			04-010300	

HEAD GLAND W/SET SCREW
PIN CTR. - 65-1/2", NO CYL. ROD SPACER



NOTE:

* SEAL KIT

P/N 04-000101

1184/1084

DESCRIPTION

LIFT CYLINDER

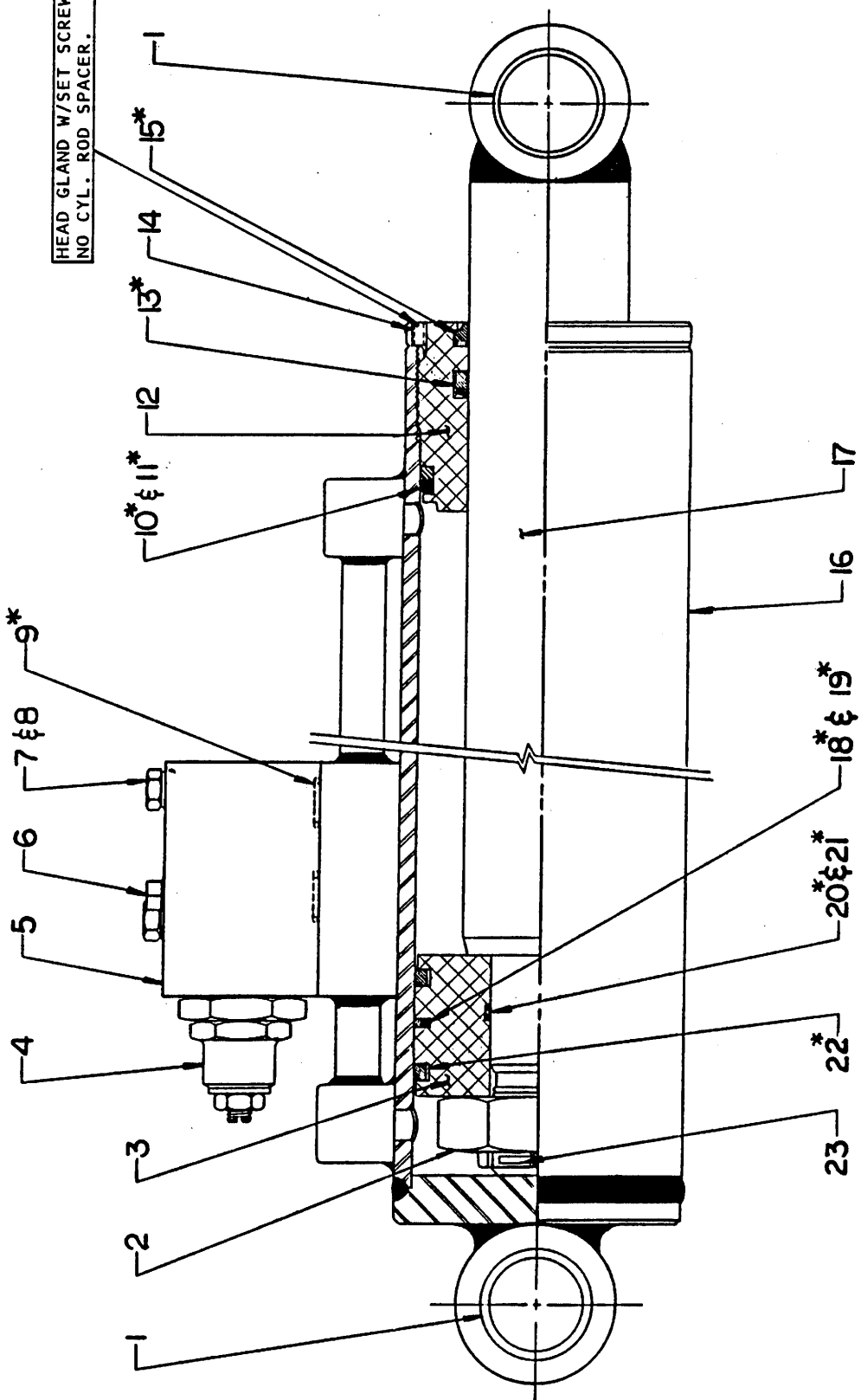
PART NO.

04-010300

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-003902		BUSHING	4
2			PISTON NUT	1
3			PISTON	1
4	04-021402		HOLDING VALVE	1
5			VALVE BLOCK ASSEMBLY	1
6			PIPE PLUG	1
7			HEX HEAD CAP SCREW	4
8			LOCKWASHER	4
9*			'O' RING	2
10*			'O' RING	1
11*			BACK-UP RING	1
12			HEAD GLAND	1
13*			U-CUP	1
14			SET SCREW	1
15*			WIPER	1
16			ROD	1
17			CASE	1
18*			'O' RING	1
19*			PISTON SEAL	1
20*			'O' RING	1
21*			BACK-UP RING	2
22*			PISTON RING	2
23			COTTER KEY	1
*	04-003901		SEAL KIT	
DESCRIPTION			LIFT CYLINDER	PART NO. 04-003900

HEAD GLAND W/SET SCREW.
NO CYL. ROD SPACER.



NOTE:
*SEAL KIT
P/N 04-003901

0585/0679 DESCRIPTION	LIFT CYLINDER	PART NO. 04-003900
--------------------------	---------------	-----------------------

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, PISTON ROD	1
6	04-035602		BUSHING	4
7	04-035601		SEAL KIT (not for use with water-glycol hydraulic fluid) Note: Items in kit identified by asterisk (*).	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	3
11			"O"-RING	1
12			RING, BACKUP	1
13			"O"-RING	1
14			RING, BACKUP	1
15			"O"-RING	1
16			SEAL, PISTON	1
17			RING, PISTON WEAR	2
18			VALVE BLOCK	1
19			"O"-RING	2
20			CAP SCREW, HEX HEAD (3/8"-16 x 3")	4
21			WASHER, LOCK	4
			The following item is not part of the cylinder assembly:	
22	01-222000		VALVE, COUNTERBALANCE (Holding valve) 10:1 (Factory set at 4900 PSI [338 Bar] [344.5 Kg/ cm ²]) (For units built after approximately 10 December 1992. Supercedes 04-021402 as replacement on earlier units.)	1
	04-021402		25:1 Ratio (Originally supplied on units built through about 10 December 1992. Has been superceded by 01-222000.)	

TITLE

LIFT CYLINDER, 52.0" (1.32 M) STROKE

PLATE
NO.

D09.37

SIMON AERIALS INC.

REV. 15 FEB., 1995

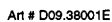
PART
NO.

04-035600

64" (1.62 M) fully retracted,
116" (2.95 M) fully extended (ref.)



21
20.



LIFT CYLINDER, 52.0" (1.32 M) STROKE

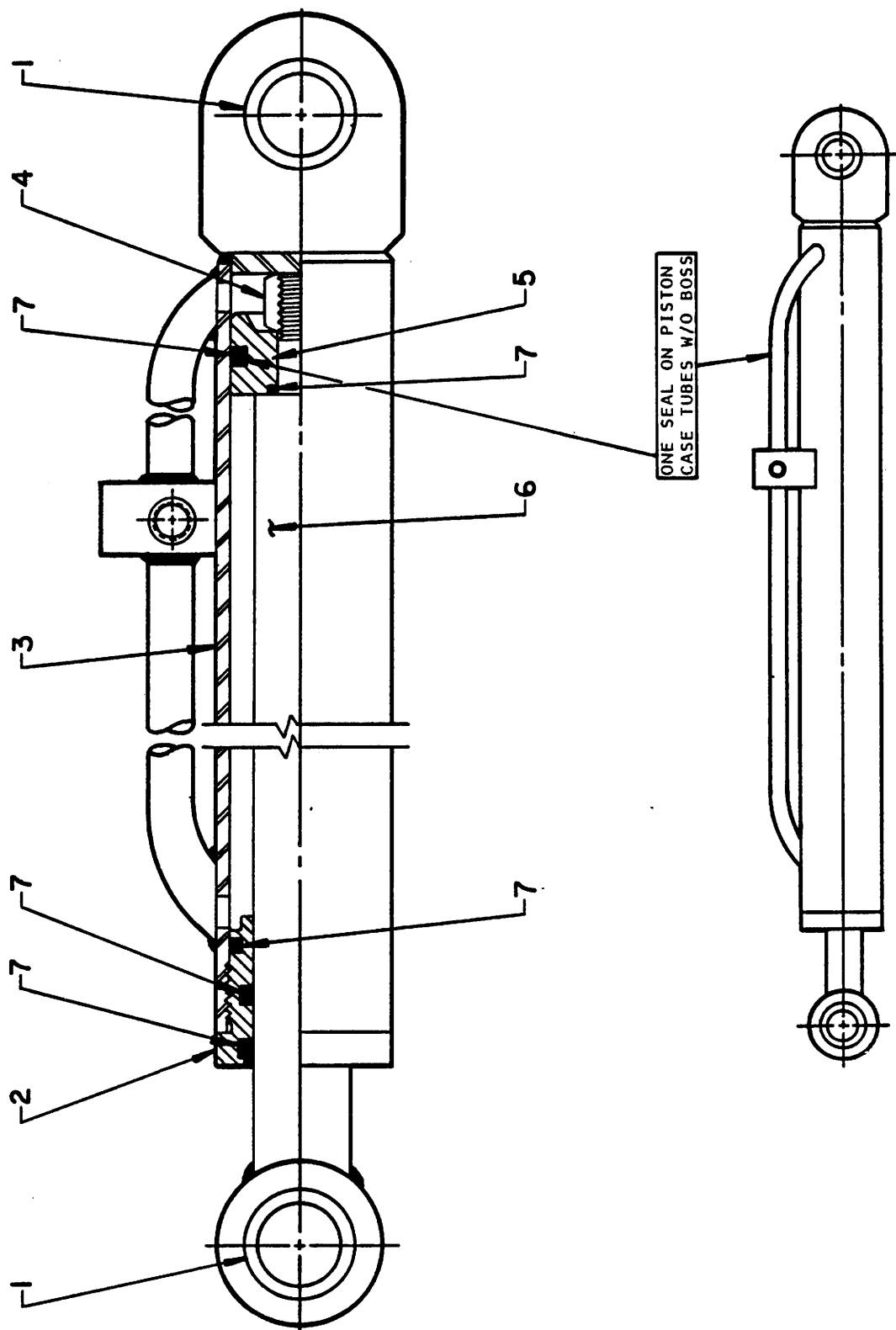
REV. 15 FEB., 1995

04-035600

PLATE NO. D09.37

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			BUSHING	3
2			HEAD GLAND	1
3			CASE	1
4			PISTON NUT	1
5			PISTON	1
6			ROD	1
7	04-007101		SEAL KIT	
DESCRIPTION			PART NO.	
MASTER LEVELING CYLINDER			04-007400	



0484/0383

DESCRIPTION

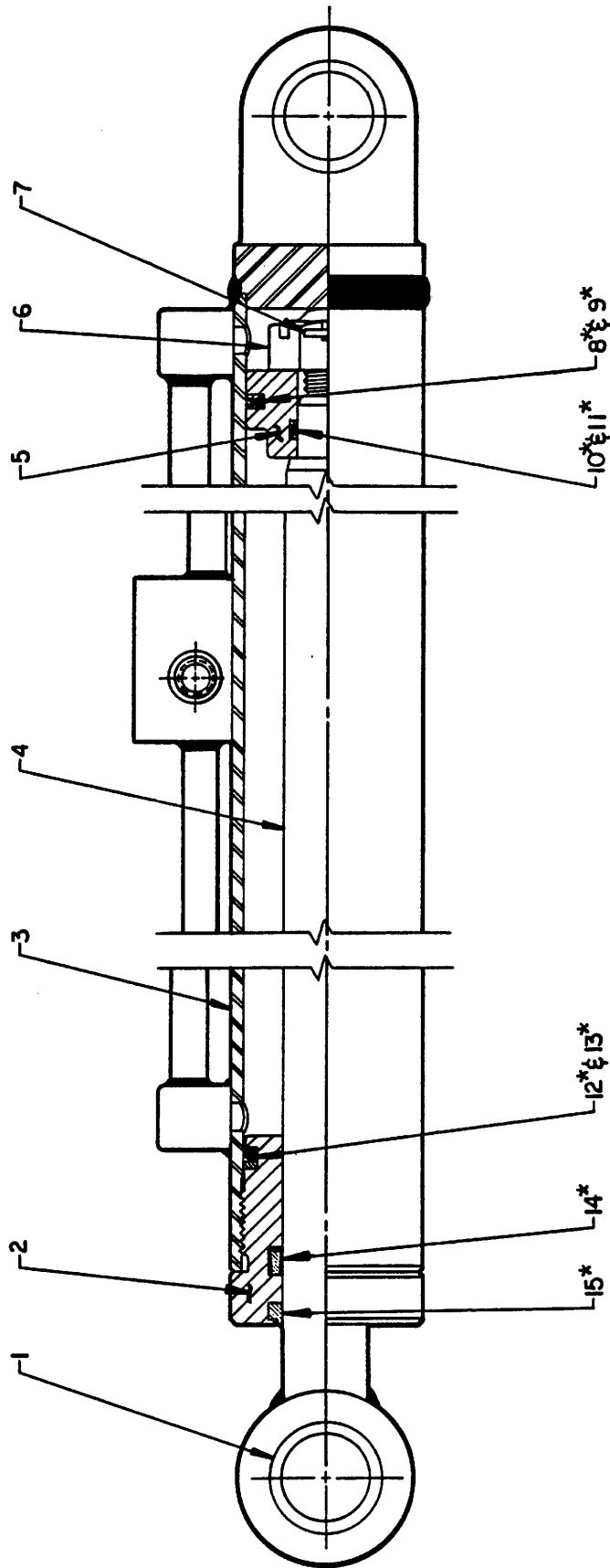
MASTER LEVELING CYLINDER

PART NO.

04-007400

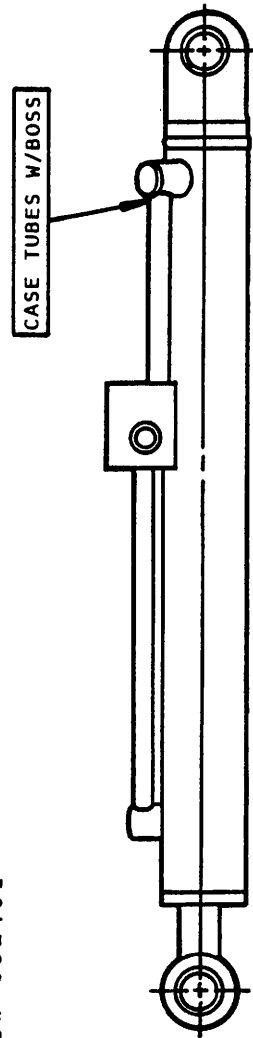
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			BUSHING	2
2			HEAD GLAND	1
3			CASE	1
4	04-002402		ROD	1
5	04-002403		PISTON	1
6	04-001203		PISTON NUT	1
7			COTTER KEY	1
8*			'O' RING	1
9*			PISTON SEAL	1
10*			'O' RING	1
11*			BACK-UP RING	2
12*			'O' RING	1
13*			BACK-UP RING	1
14*			ROD SEAL	1
15*			WIPER	1
*	04-002401		SEAL KIT	1
DESCRIPTION			PART NO.	
MASTER LEVELING CYLINDER			04-002500	



NOTE:

* SEAL KIT P/N 04-002401



1184/0677

DESCRIPTION

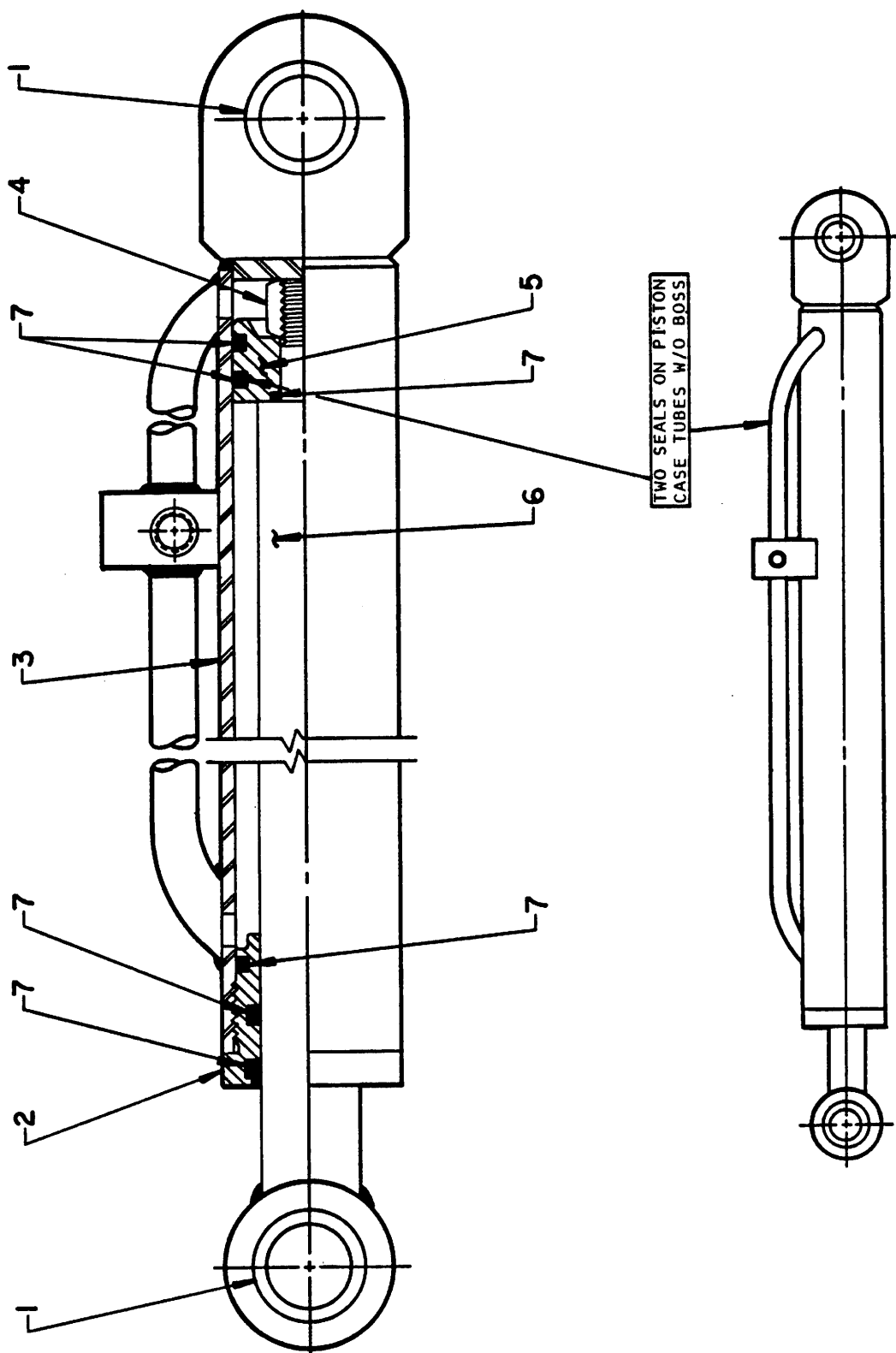
MASTER LEVELING CYLINDER

PART NO.

04-002500

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-004401		BUSHING	3
2			HEAD GLAND	1
3			CASE	1
4			PISTON NUT	1
5			PISTON	1
6			ROD	1
7			SEAL KIT	1
DESCRIPTION			PART NO.	
MASTER LEVELING CYLINDER			04-004400	



1184/0881

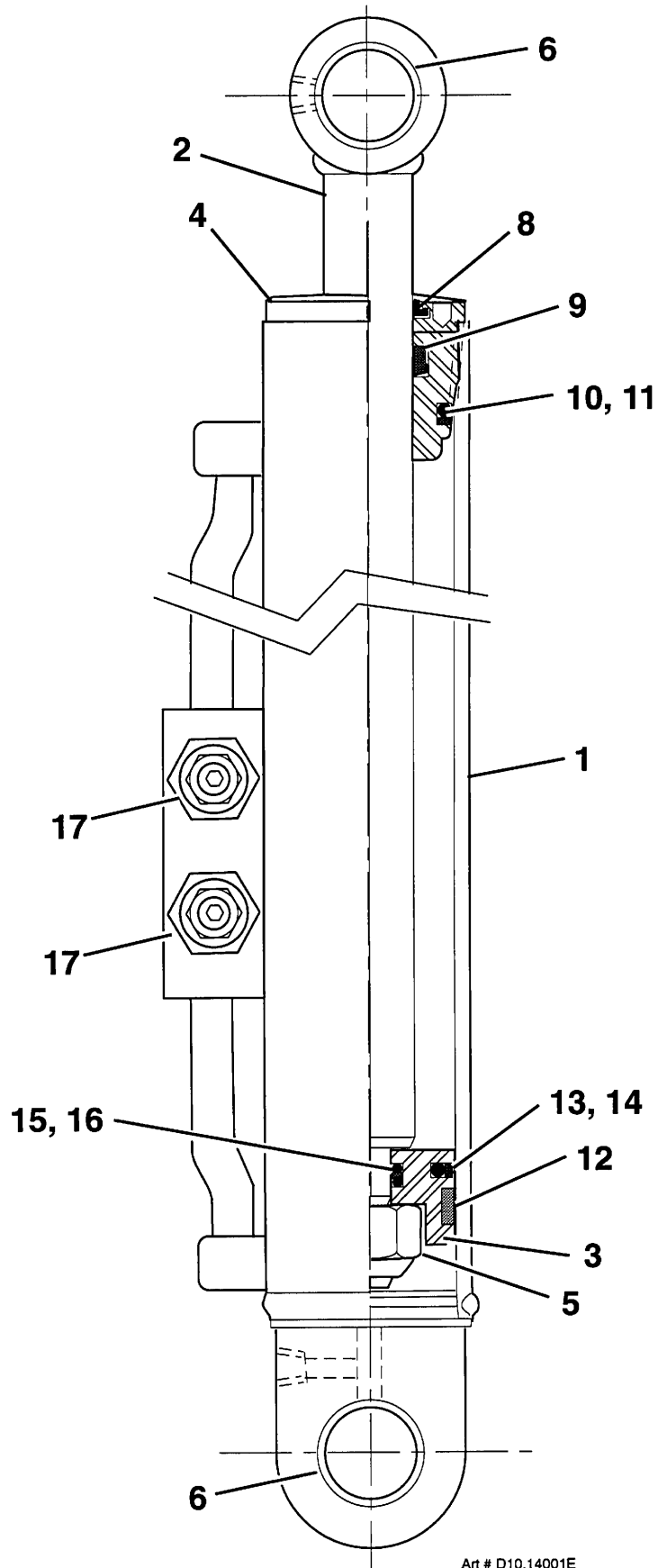
DESCRIPTION

MASTER LEVELING CYLINDER

PART NO.

04-004400

[illegible]



Art # D10.14001E

TITLE

MASTER LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

SIMON AERIALS INC.

NEW 27 APR., 1994

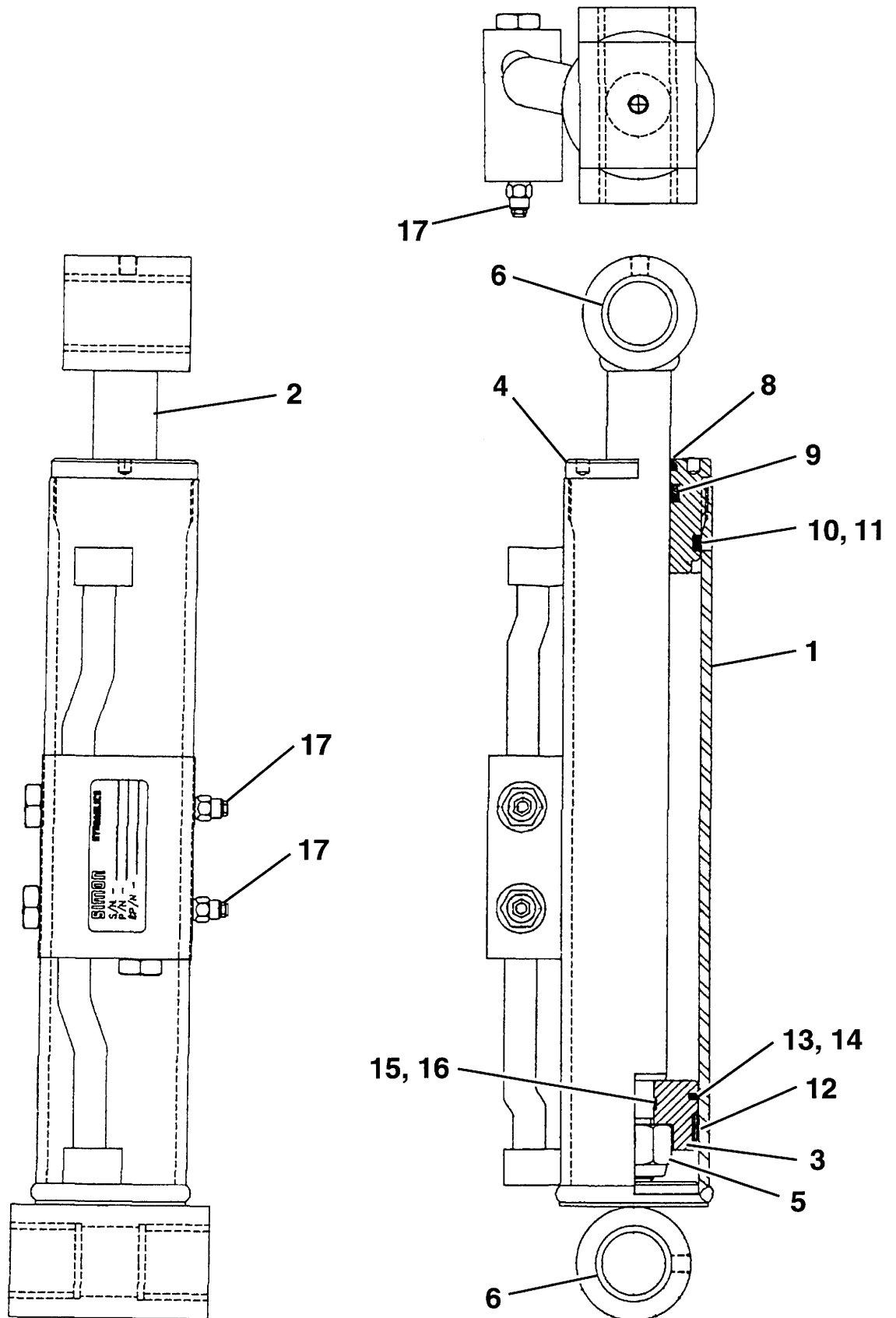
PART
NO.

04-035500

PLATE
NO.

D10.14

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032600SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4	04-032604		GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17	04-028202		CARTRIDGE, HOLDING VALVE	2
18	04-028204		SEAL KIT, HOLDING VALVE	1
TITLE MASTER LEVEL CYLINDER, 10" (.25 M) STROKE				
PLATE NO.	D10.101	SIMON AERIALS INC.		PART NO. 04-032600
NEW 03 DEC., 1992				



TITLE

MASTER LEVEL CYLINDER, 10" (.25 M) STROKE

SIMON AERIALS INC.

NEW 03 DEC., 1992

PART
NO.

04-032600

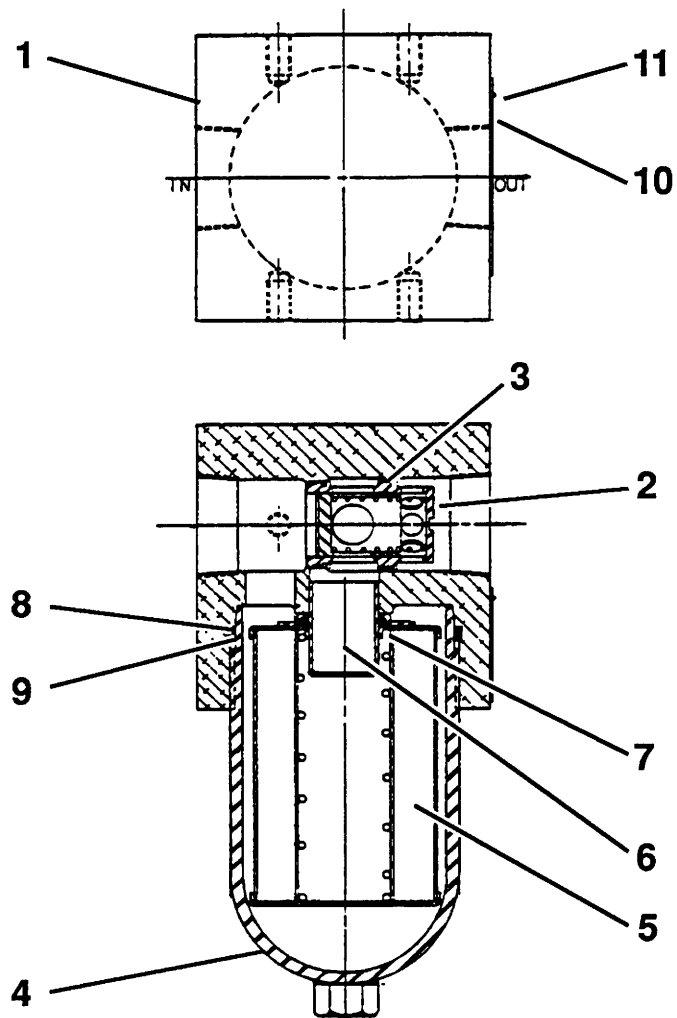
PLATE
NO.

D10.101

[illegible]

HIGH PRESSURE FILTER

01-035100



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

01-035100

PLATE
NO.

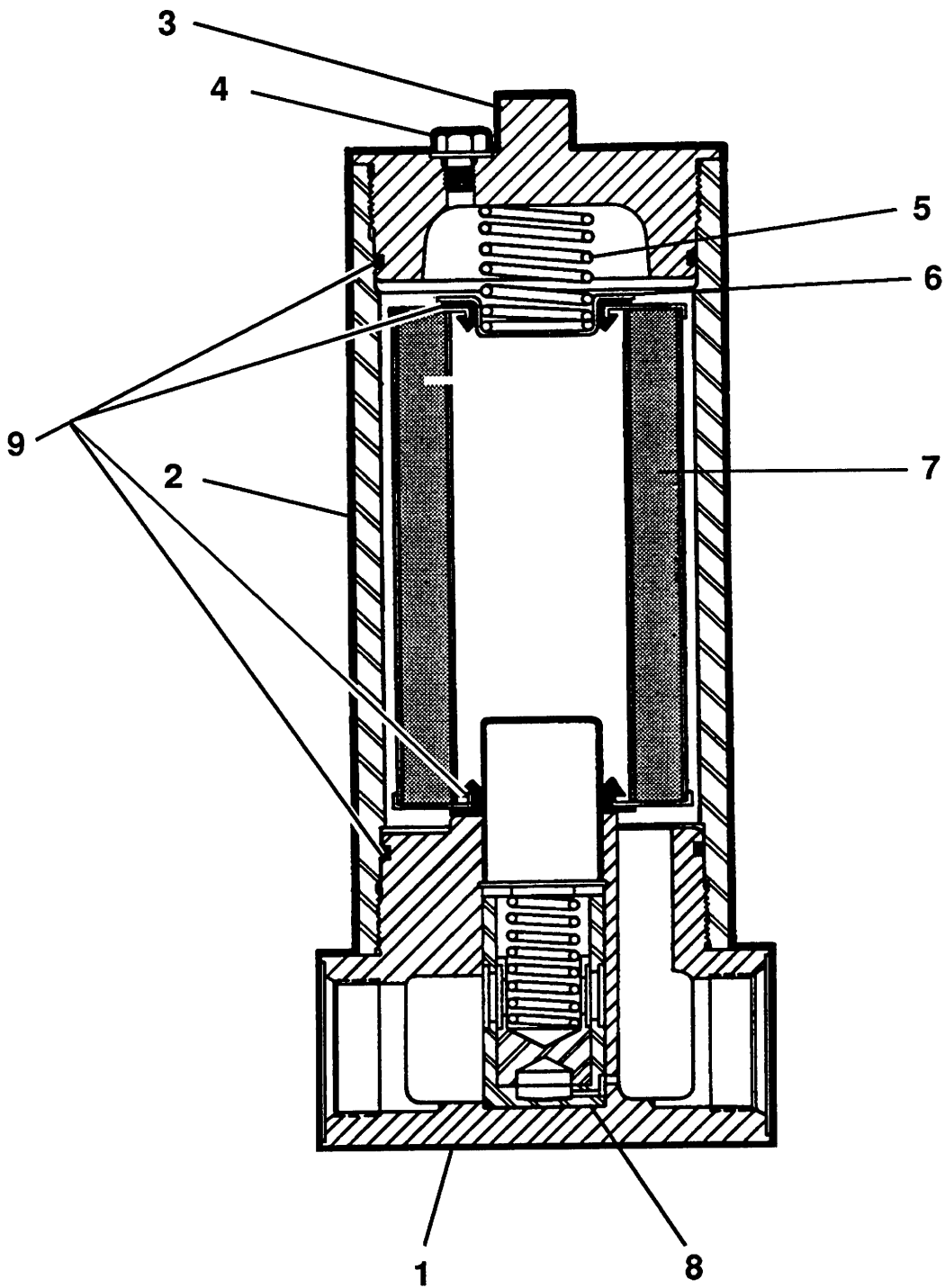
D11.01

PARTS LIST

[illegible]

TITLE HIGH PRESSURE FILTER

PLATE NO. D11.03	SIMON AERIALS INC.	REV. 06/25/91	PART NO. 01-014000
------------------	--------------------	---------------	--------------------



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

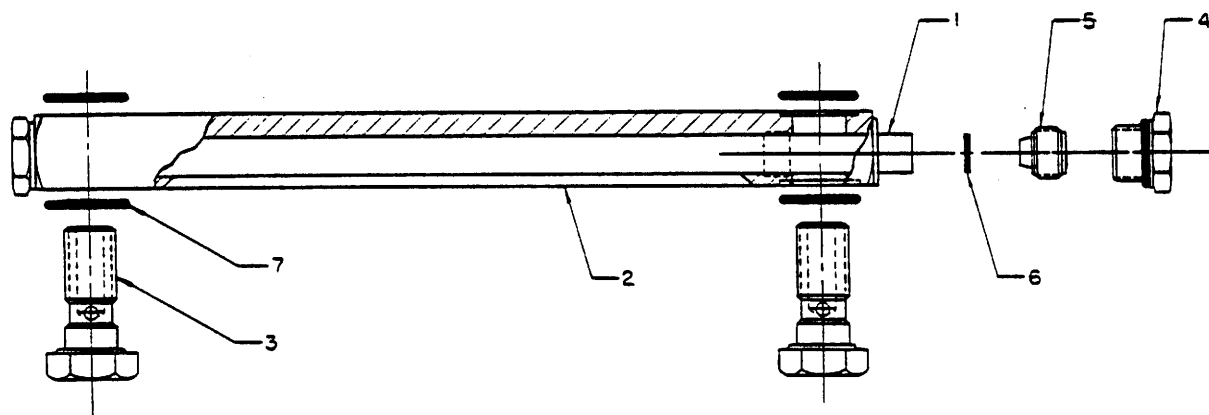
01-014000

PLATE
NO.

D11.03

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SIGHT GLASS	1
2			GAUGE BODY	1
3			THRU BOLT	2
4			'O' RING PLUG 9/16	2
5			INTERNAL CAP	2
6			INTERNAL SEAL	2
7			'O' RING	4
DESCRIPTION			PART NO.	
SIGHT GAUGE 7"			10-032500	



1283

DESCRIPTION

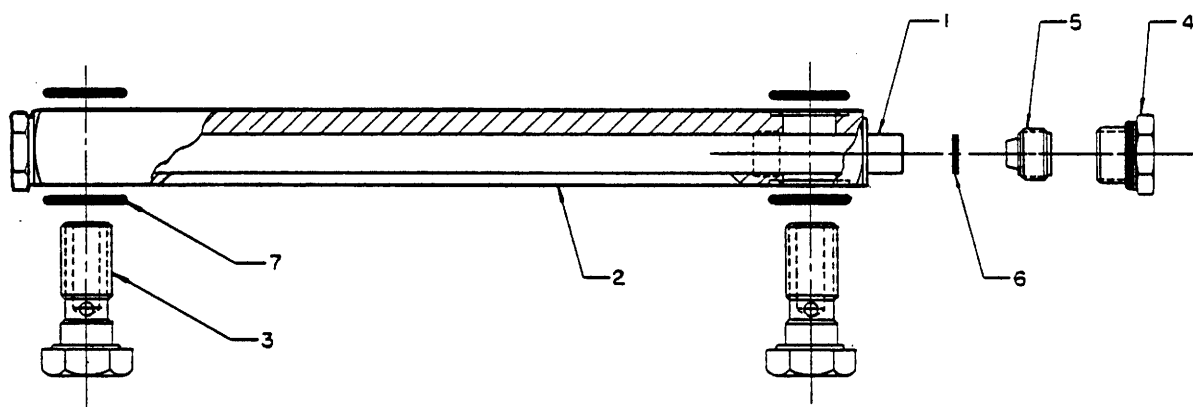
SIGHT GAUGE 7"

PART NO.

10-032500

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SIGHT GLASS	1
2			GAUGE BODY	1
3			THRU BOLT	2
4			'O' RING PLUG 9/16	2
5			INTERNAL CAP	2
6			INTERNAL SEAL	2
7			'O' RING	4
DESCRIPTION			PART NO.	
SIGHT GAUGE 12"			10-033500	



0684/0184

DESCRIPTION

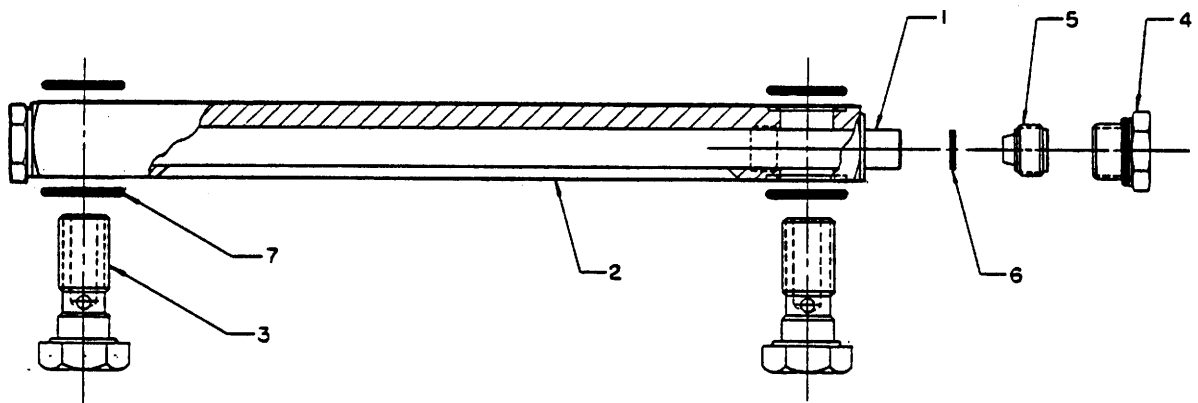
SIGHT GAUGE 12"

PART NO.

10-033500

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SIGHT GLASS	1
2			GAUGE BODY	1
3			THRU BOLT	2
4			'O' RING PLUG 9/16	2
5			INTERNAL CAP	2
6			INTERNAL SEAL	2
7			'O' RING	4
DESCRIPTION			PART NO.	
SIGHT GAUGE, 10"			10-032600	



0684/0184

DESCRIPTION

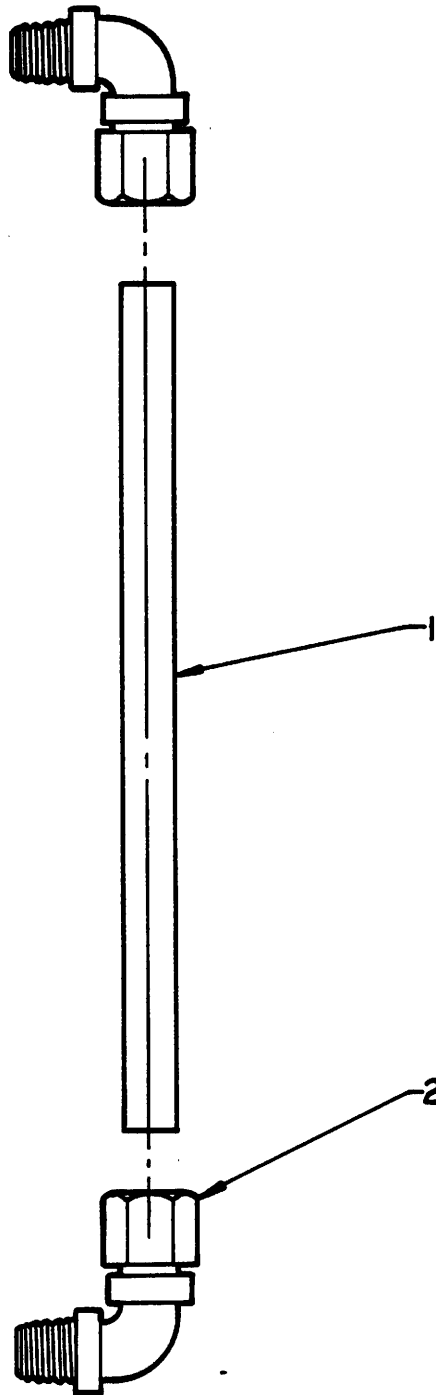
SIGHT GAUGE, 10"

PART NO.

10-032600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	05-010008		TUBE, SIGHT GAUGE	A.R.
2	05-010011		ELBOW, 90°	2
DESCRIPTION			SIGHT GAUGE, PLASTIC	PART NO. 05-010008



1284/0677

DESCRIPTION

SIGHT GAUGE, PLASTIC

PART NO.

05-010008

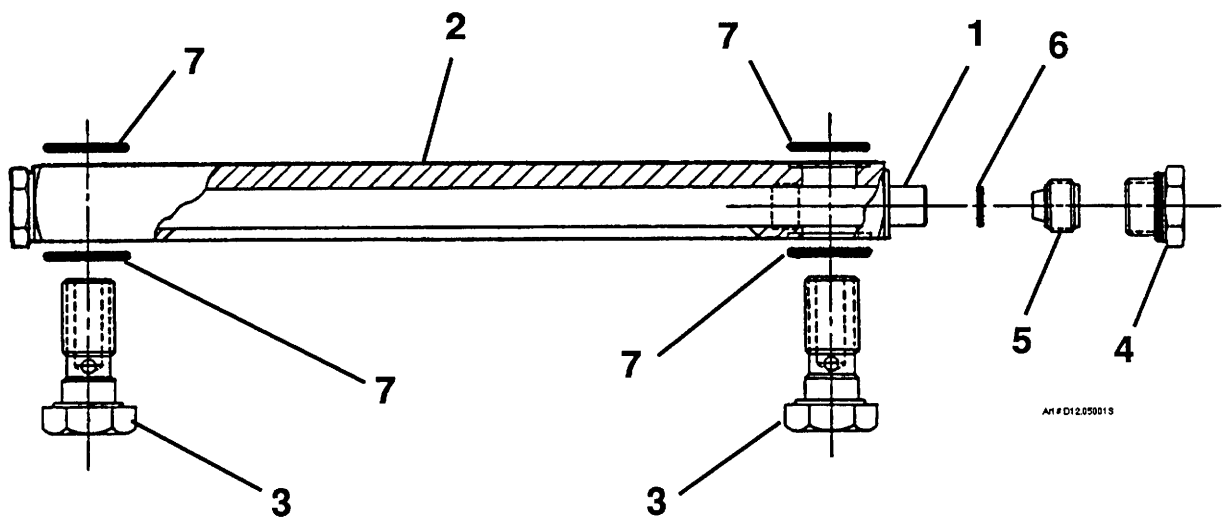
[illegible]

SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART NO. 10-033



TITLE

SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

10-033800

PLATE
NO.

D12.05

PARTS LIST

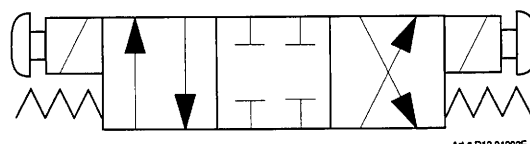
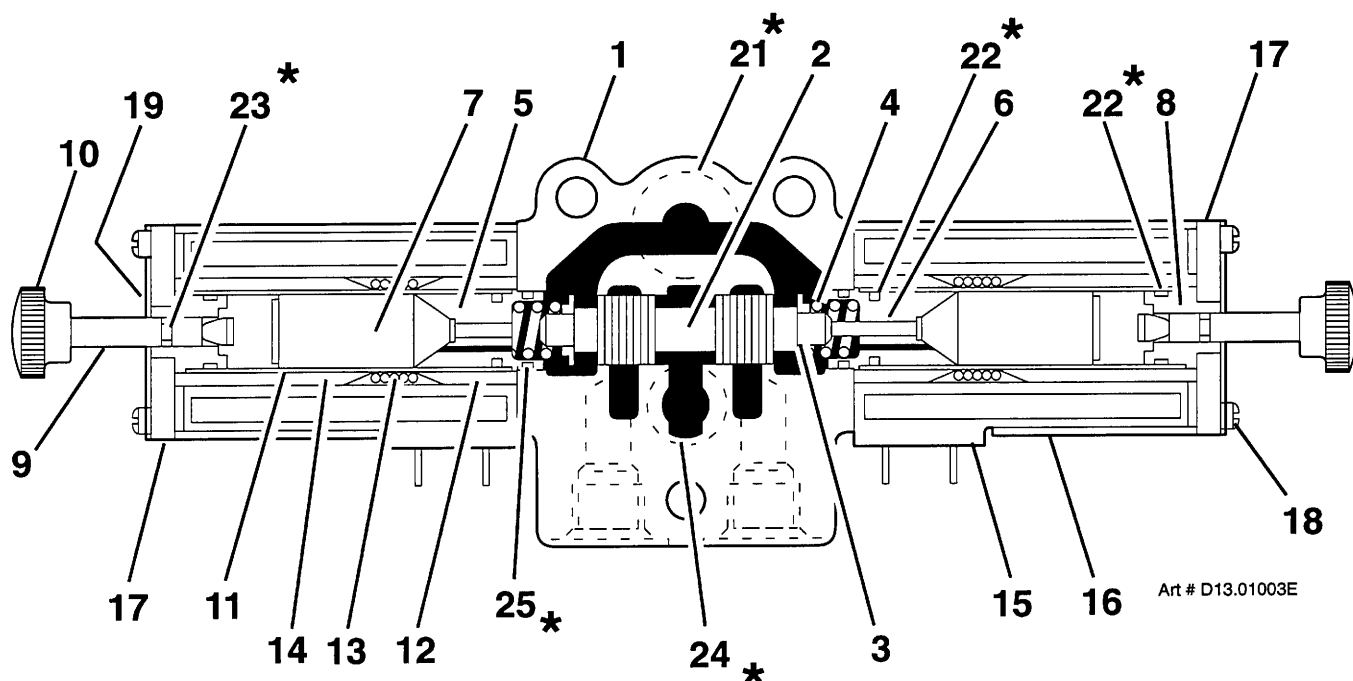
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031707		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		KNOB	2
11	01-031718		TUBE, GUIDE	2
12	01-031717		SLEEVE, FLUX (Inner)	2
13	01-031715		SPRING	2
14	01-031716		SLEEVE, FLUX (Outer)	2
15	01-031701		COIL (12 Volt DC)	2
	01-031802		COIL (24 Volt DC)	2
16	01-031713		CASE, SOLENOID	2
17			PLATE, END	2
18	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	8
19			NAMEPLATE	1
20	01-031712		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
21	01-031703		RING, QUAD (1-1/16" O.D.)	1
22	01-031710		O-RING	4
23	01-031709		O-RING	2
24	01-031702		RING, QUAD (3/4" O.D.)	1
25	01-031711		O-RING	2

TITLE 4-WAY, 3 POSITION SOLENOID VALVE, CLOSED CENTER SPOOL

PLATE NO. D13.01 **SIMON AERIALS INC.**

REV. 20 SEP., 1995

PART NO. 01-031700



TITLE 4-WAY, 3 POSITION SOLENOID VALVE, CLOSED CENTER SPOOL

SIMON AERIALS INC.

REV. 20 SEP., 1995

PART NO.

01-031700

PLATE NO.

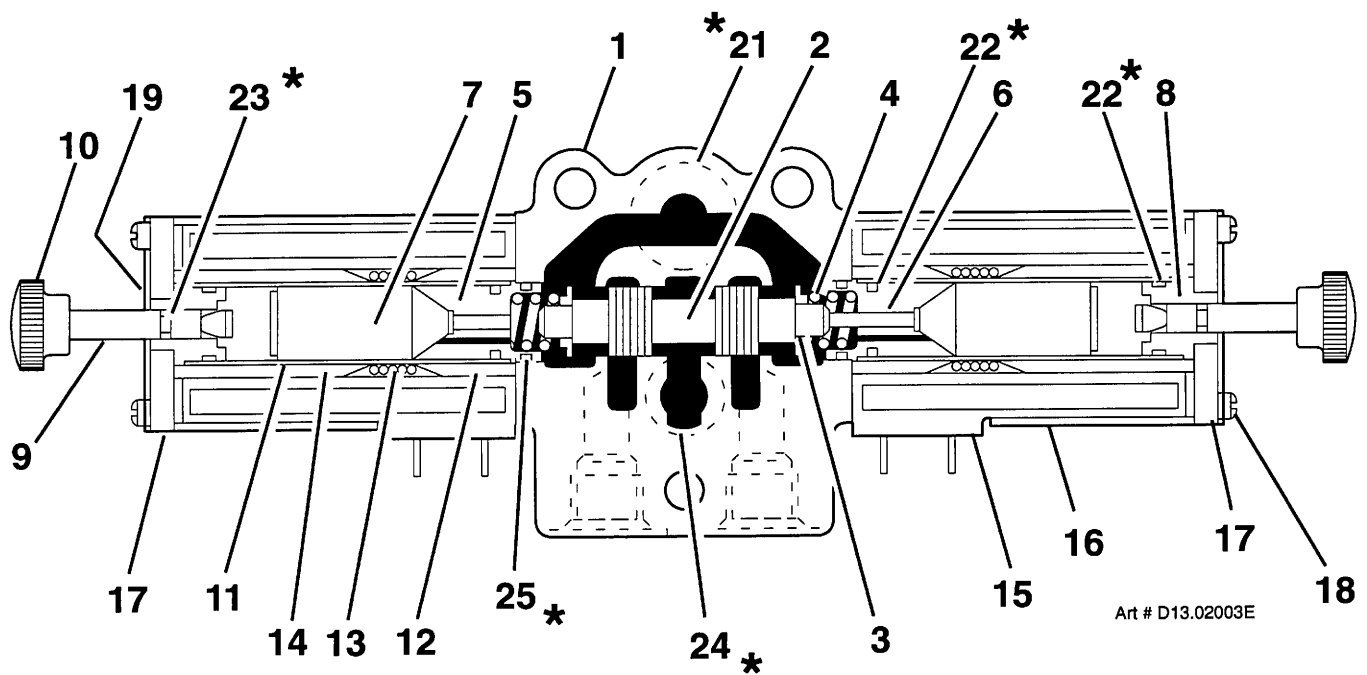
D13.01

[illegible]

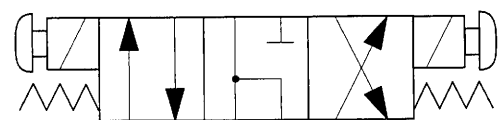
TITLE 4-WAY, 3 POSITION SOLENOID VALVE, OPEN CENTER (MOTORING) SPOOL

REV. 20 SEP., 1995

PART NO. 01-031800



Art # D13.02003E



Art # D13.02000E

TITLE 4-WAY, 3 POSITION SOLENOID VALVE, OPEN CENTER (MOTORING) SPOOL

SIMON AERIALS INC.

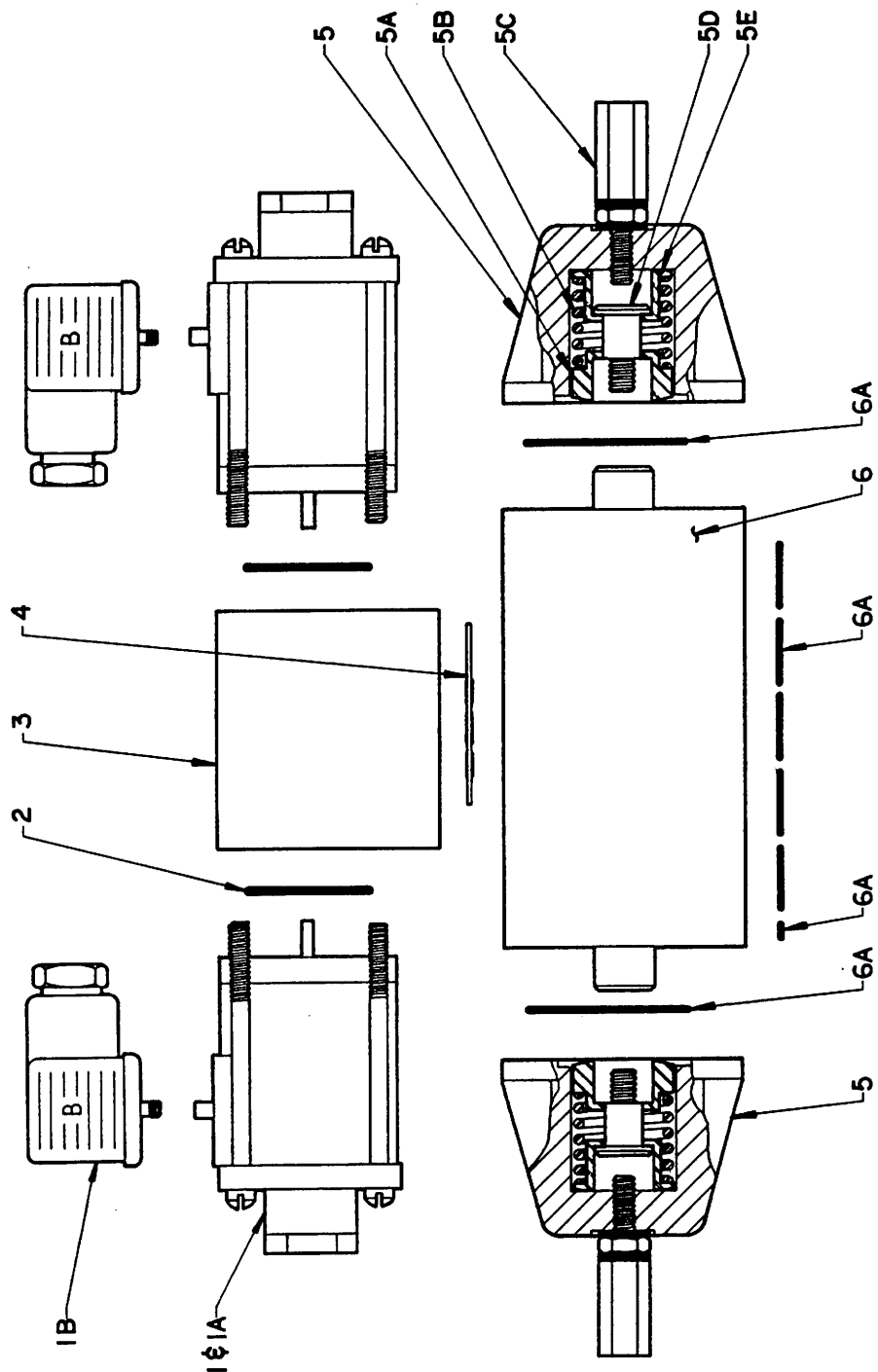
REV. 20 SEP., 1995

PART NO. 01-031800

PLATE NO. D13.02

PARTS LIST

			PART NO.			
ITEM	DESCRIPTION	QTY.	DRIVE	EXTEND	HOIST	SWING
1	SOLENOID ASSEMBLY	2	01-040306	01-040306	01-040306	01-040306
1A	COIL	2	01-040307	01-040307	01-040307	01-040307
1B	CONNECTOR (OPTIONAL)	2	03-043000	03-043000	03-043000	03-043000
2	"O" RING	2				
3	PILOT VALVE ASSEMBLY	1	01-040305	01-040305	01-040305	01-040305
4	SEAL PLATE	1				
5	SPRING CAP ASSEMBLY	2				
5A	SPRING CUP	2				
5B	SPRING	2				
5C	SPROKE CONTROL ASS'Y.	2				
5D	SHOULDER SCREW	2				
5E	SPRING CUP	2				
6	4-WAY VALVE ASSEMBLY	1				
6A	VALVE SEAL KIT	1				
7	COMPLETE VALVE (INCL. ALL ABOVE ITEMS)		01-017501	01-017502	01-017503	01-017504
DESCRIPTION 4-WAY SOLENOID VALVE, PROPRTIONAL					PART NO. 01-017501 THRU 01-017504	



0785/0785

DESCRIPTION

4-WAY SOLENOID VALVE, PROPORTIONAL

PART NO.

01-017501 THRU 01-017504

PARTS LIST

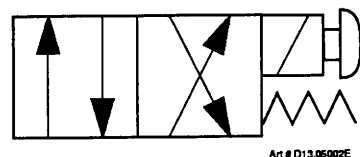
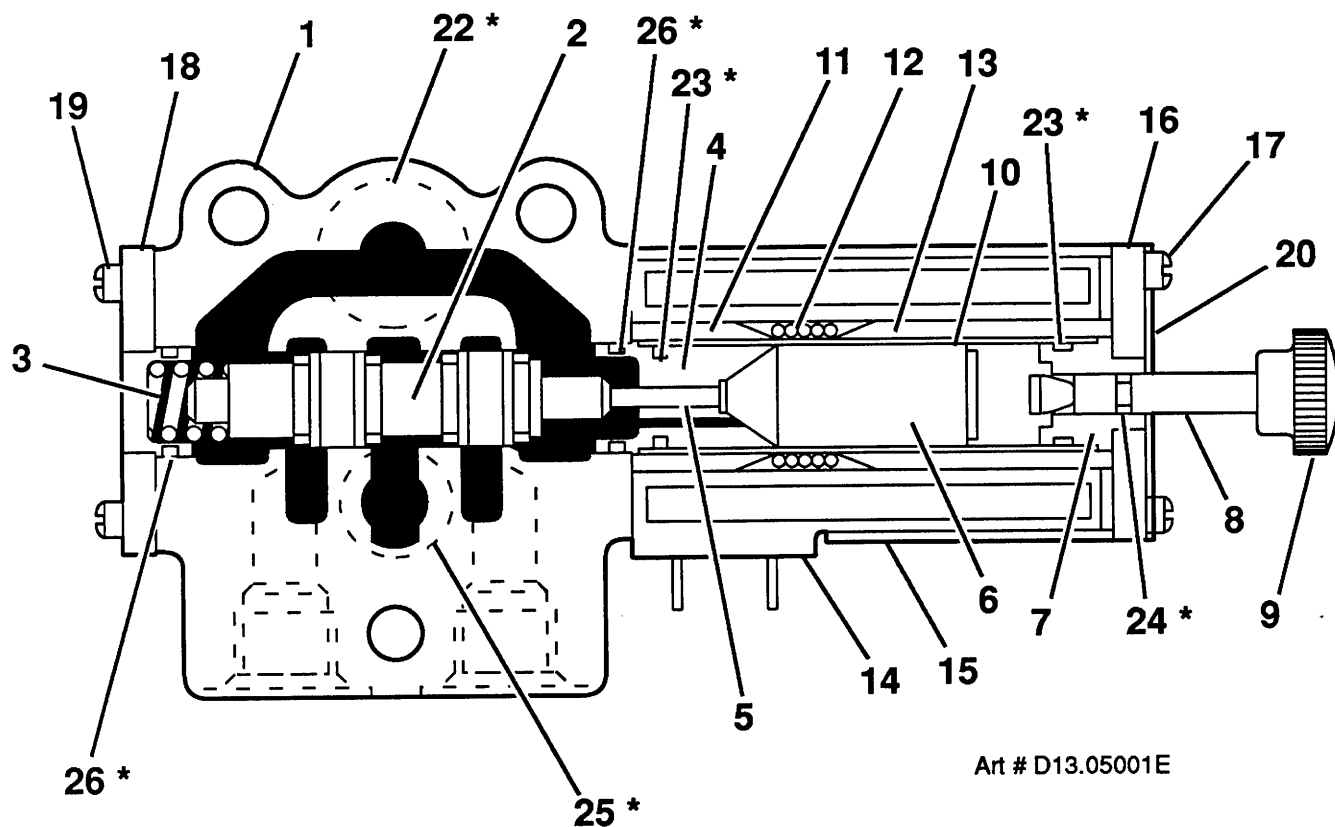
[illegible]

TITLE 4-WAY, 2 POSITION SOLENOID VALVE

PLATE NO.	D13.05	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 06/24/91

PART NO. 01-061900



TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

PART
NO.

01-061900

PLATE
NO.

D13.05

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-234500 Call Simon		DRIVE VALVE SECTION for Model RP 46 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, DRIVE VALVE SECTION	1
2	01-211026 Call Simon		SEAL KIT, WORK SEGMENT (incl. all items with asterisk*) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3		*	BALL (for housing cross port)	1
4	Call Simon		SPOOL KIT, DRIVE VALVE for first type valve bank assemblies (MP series only)	1
5	Call Simon		for second type MP and all RP valve bank assemblies	
6			SPOOL, MAIN	1
7			GUIDE, SPRING	2
8			SPRING, CENTERING	1
9			RING, RETAINING	1
			CENTERING PLUG KIT	1
10	01-216401 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies PLUG, CENTERING	1
11		*	"O"-RING	1
12			RING, RETAINING	1
13			FLOW LIMITER KIT	
	01-211023 Call Simon		(Found on some units. Optional with End plug, Item 19) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
14		*	PLUG, ADJUSTMENT	1
15			"O"-RING	1
16			RING, RETAINING	1
17			SET SCREW	1
18			NUT, SEAL	1
19			PLUG KIT, END	
	01-211022 Call Simon		(Found on some units. Optional with Flow limiter, Item 13) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
20		*	PLUG	1
21			"O"-RING	1
22			RING, RETAINING	1

TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

PLATE NO.

D13.06

SIMON AERIALS INC.

REV. 16 FEB., 1996

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	01-211025 Call Simon		MANUAL OPERATOR KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
24			CLEVIS (has hole for .189" [4.8 mm] pin)	1
25			SHAFT (has hole for .189" [4.8 mm] pin)	1
26		*	"O"-RING	2
27			ADAPTER, HANDLE	1
28			SET SCREW	1
29			PIN, STRAIGHT (.189" [4.8 mm] dia.)	1
30			PIN, DOWEL	1
31			PLUG	1
32			PRESSURE COMPENSATOR KIT	1
	01-211024 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
33			SPOOL, COMPENSATOR	1
34			RING, RETAINING	1
35			SHIM (various thicknesses)	8
36			SPRING, COMPENSATOR	1
37			PLUG	1
38		*	"O"-RING	1
39			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
40			SOLENOID, PULSAR (12 Volt)	1
41		*	"O"-RING	1
42		*	SCREEN, SOLENOID FILTER	1
43		*	"O"-RING (special)	2
44		*	"O"-RING	2
45			PLATE, ORIFICE	1

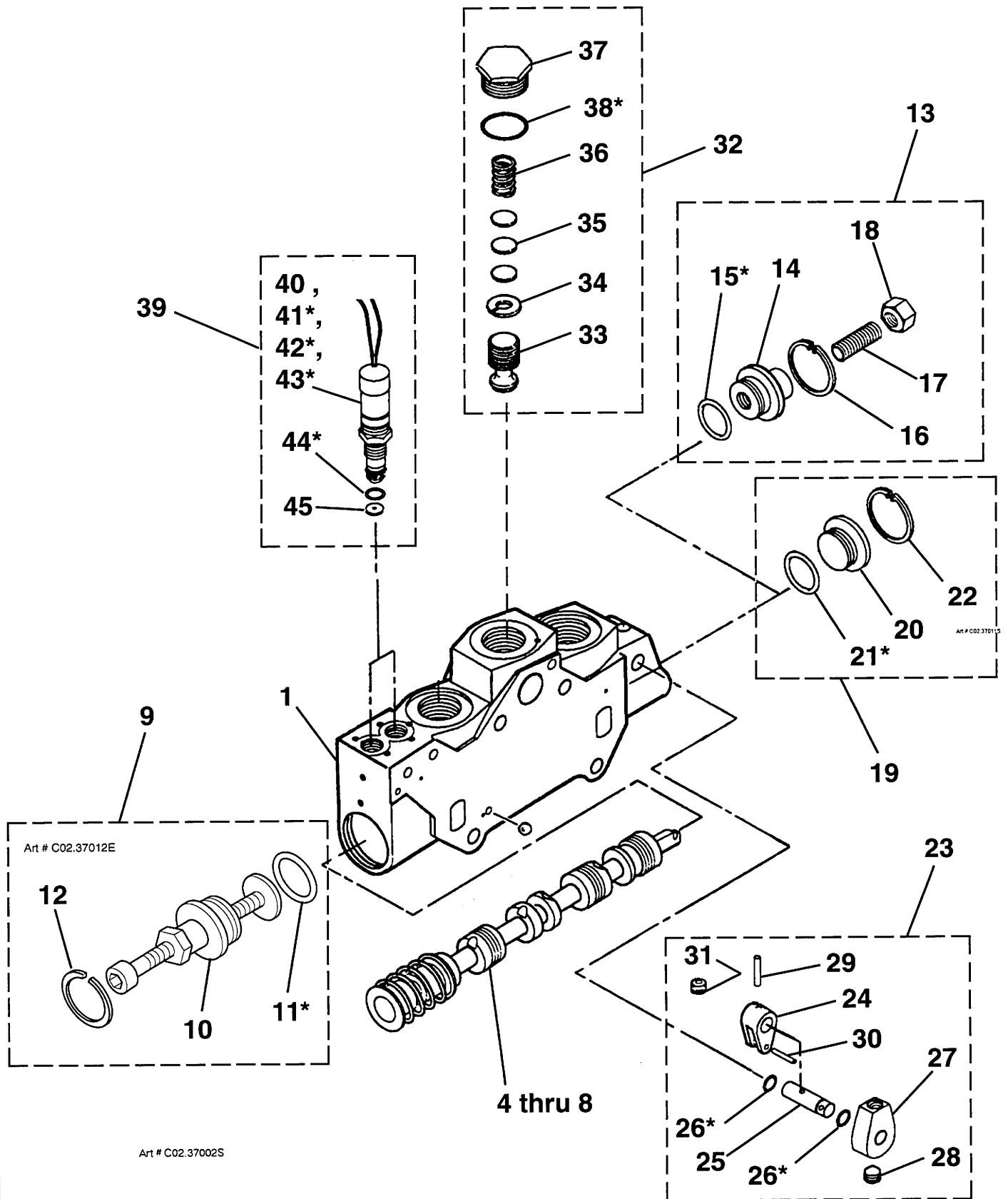
TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

PLATE NO. D13.06 **SIMON AERIALS INC.**

REV. 16 FEB., 1996

PART NO.

Art # C02.37006E



TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

SIMON AERIALS INC.

REV. 16 FEB., 1996

PART
NO.

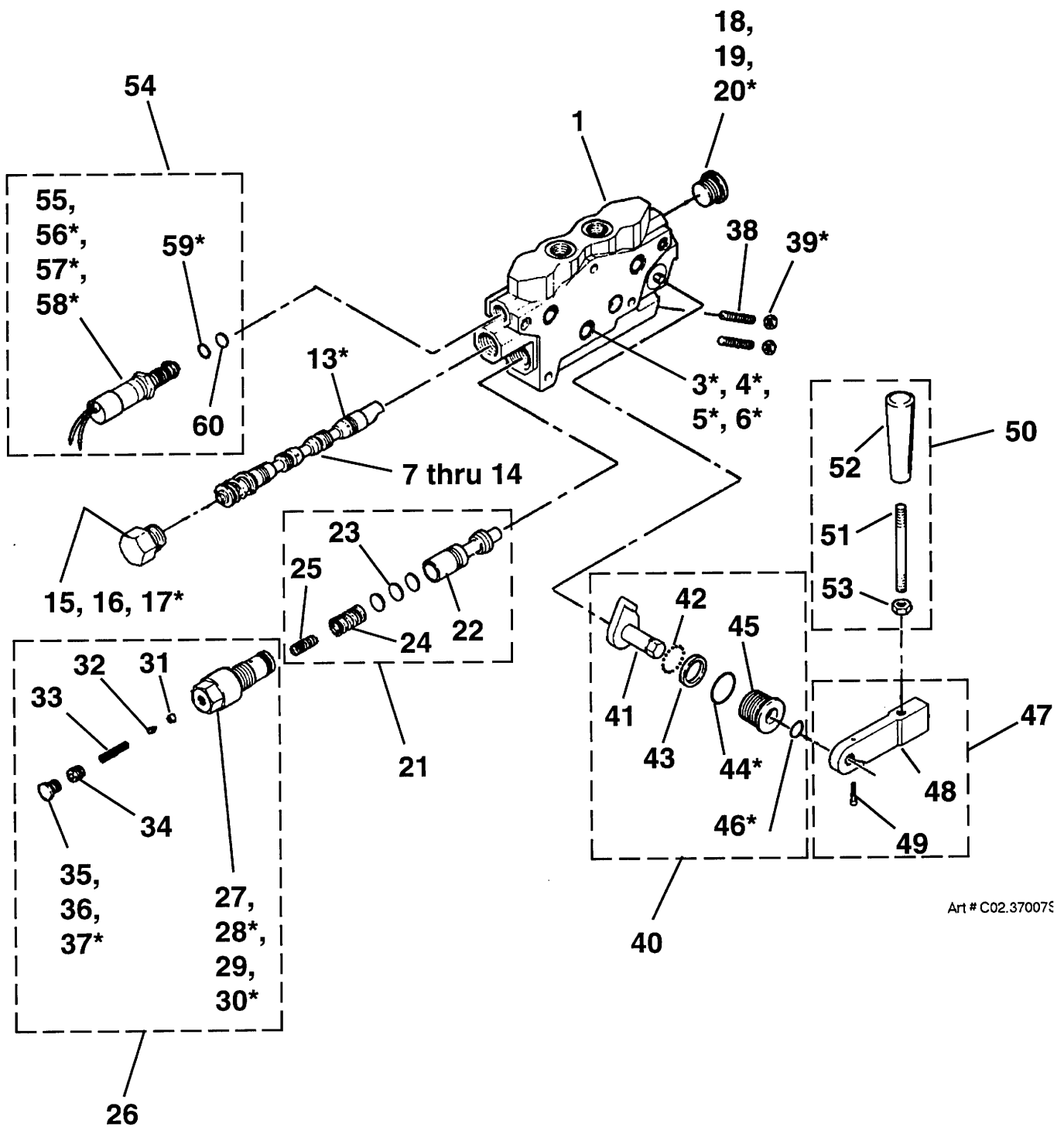
PLATE
NO.

D13.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-231204 Call Simon		TELESCOPE VALVE SECTION for Model RP 66 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, TELESCOPE VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3			SEAL KIT, WORK SEGMENT . . . includes;	1
4			BALL (for housing cross port)	1
5			"O"-RING (for housing cross port)	2
6			"O"-RING (for housing cross port)	3
			plus all items below marked with an asterisk (*)	
7	Call Simon		SPOOL KIT, TELESCOPE VALVE Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
8			SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15	01-211013 Call Simon		PLUG, HEX for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
16			PLUG	1
17		*	"O"-RING	1
18	01-211009 Call Simon		PLUG, SOCKET for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
19			PLUG	1
20		*	"O"-RING	1

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)



Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

SIMON AERIALS INC.

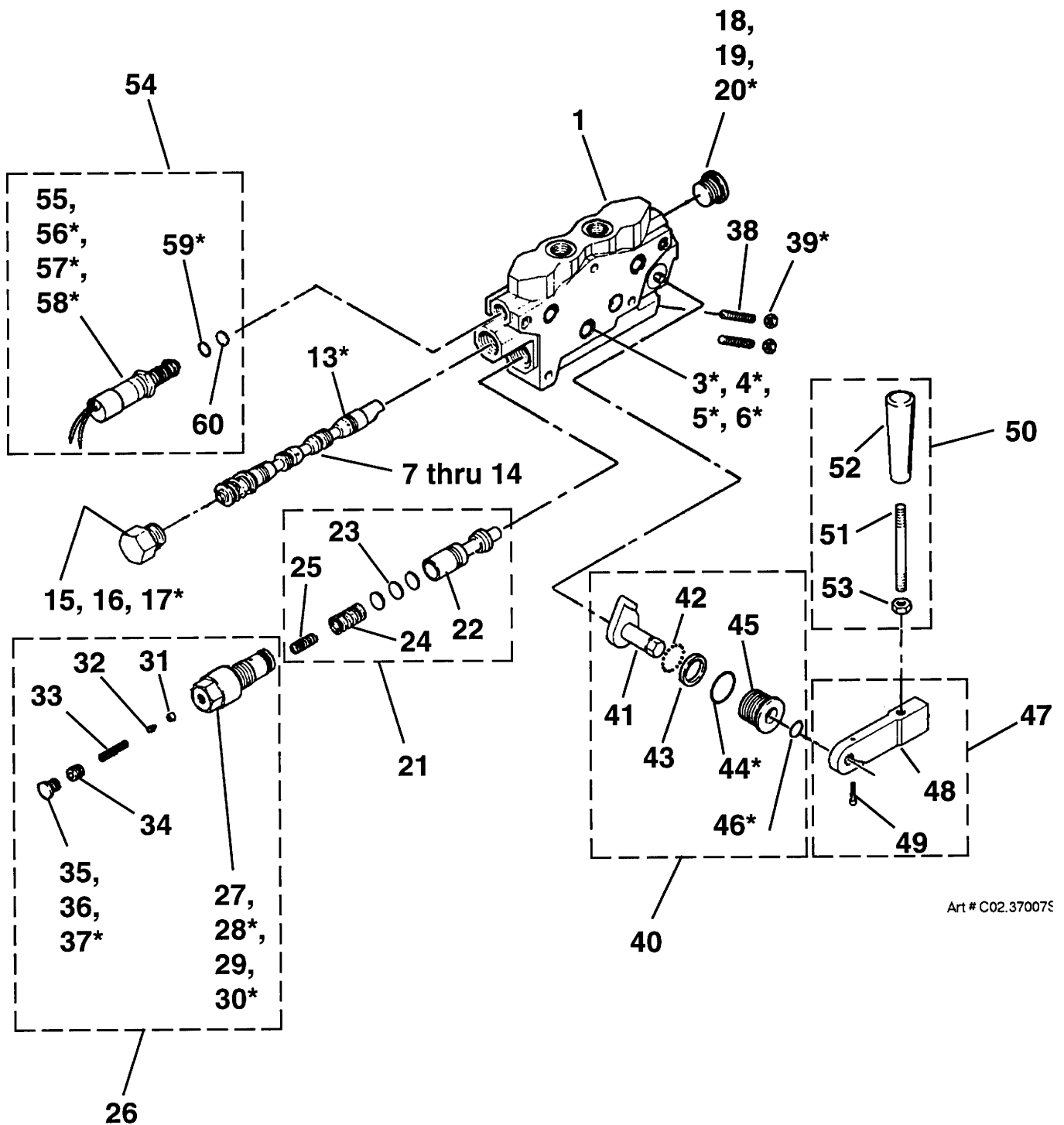
REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.07

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	Call Simon Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 Gal [37.8 Liters]/ Min flow or greater)	1
26	01-211016 Call Simon		CARTRIDGE KIT, PRESSURE LIMITER for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27			PLUG, RELIEF	1
28		*	"O"-RING	1
29			RING, BACKUP	1
30		*	"O"-RING	1
31			SEAT	1
32			POPPET, RELIEF	1
33			SPRING, RELIEF	1
34			SCREW, ADJUSTMENT	1
35			PLUG, HEX	1
36			PLUG	1
37		*	"O"-RING	1
38	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
39	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
40	01-211008 Call Simon		HANDLE SHAFT KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
41			LINK, SHAFT	1
42			BALL (Steel)	17
43			RETAINER, BEARING	1
44		*	"O"-RING	1
45			PLUG, OVERRIDE	1
46		*	"O"-RING	1
TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)				
PLATE NO.	D13.07	SIMON AERIALS INC.		PART NO.
		REV. 26 JUL., 1994		



Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.07

PARTS LIST

[illegible]

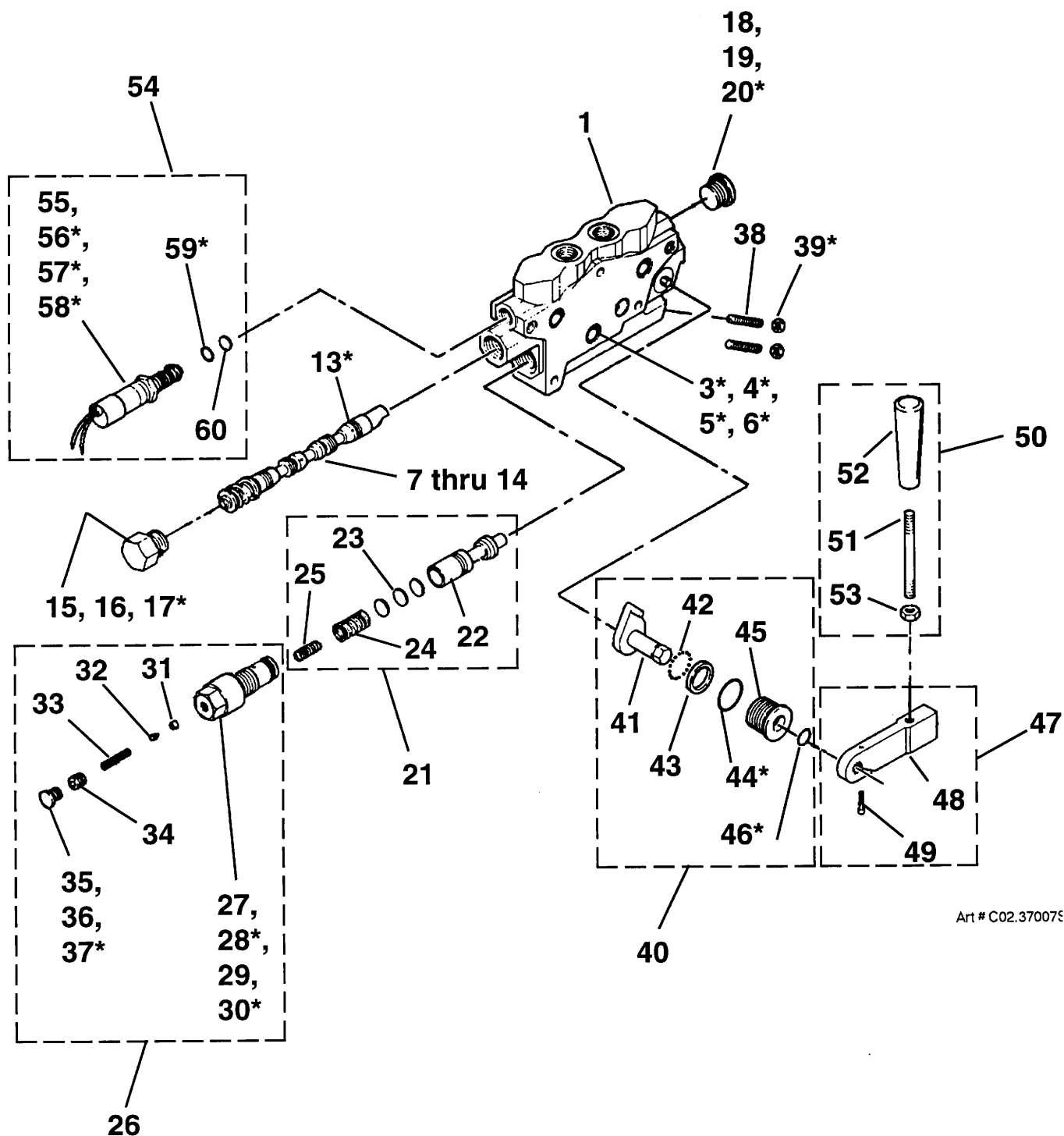
TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

PLATE NO. D13.07

SIMON AERIALS INC. REV. 26 JUL., 1994

REV. 26 JUL., 1994

PART NO.	
----------	--



Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

PARTS LIST

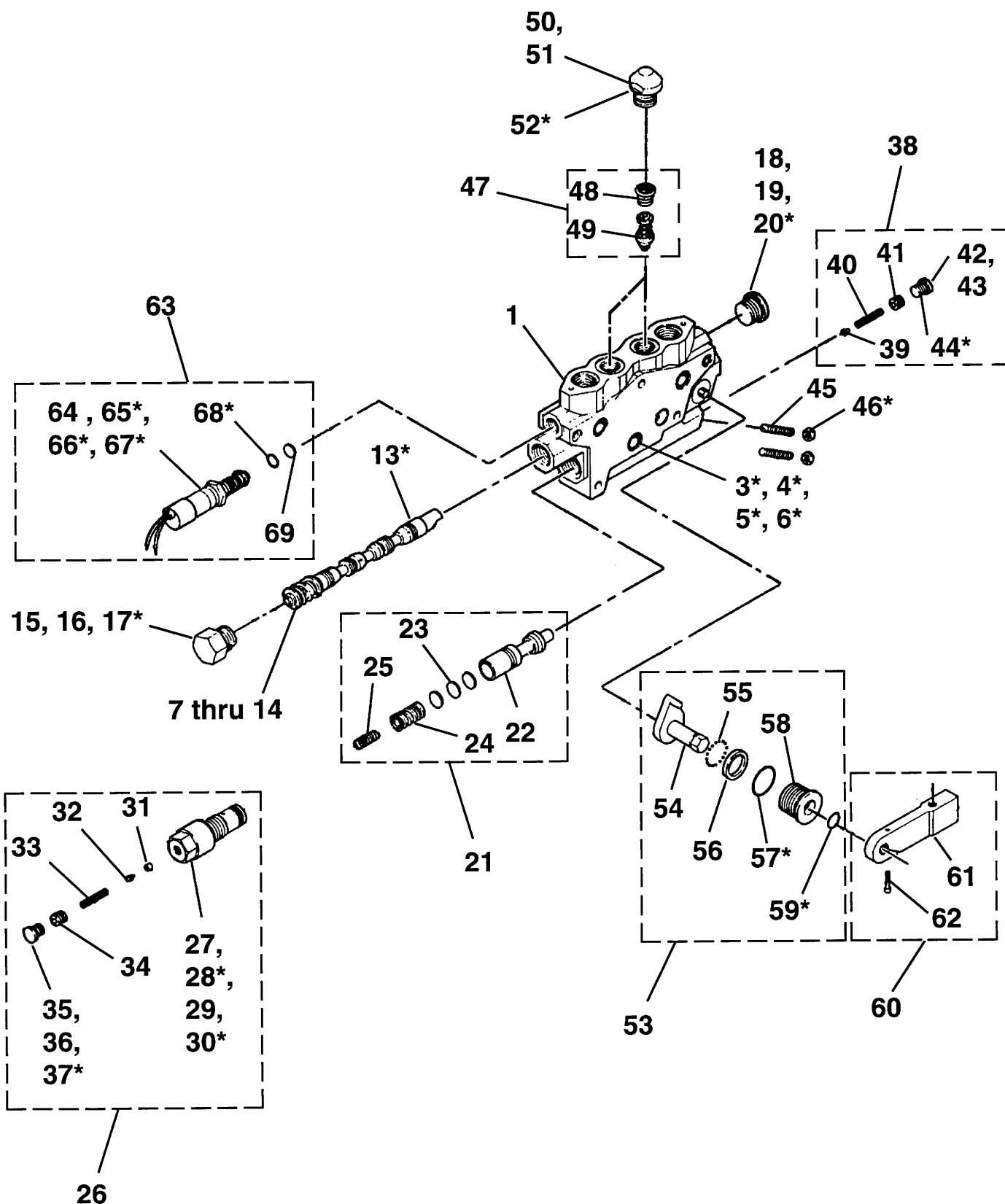
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			NOTE: When ordering valve sections or components, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
	Call Simon		STEER VALVE SECTION for first type valve bank assemblies (MP series only)	1
	Call Simon		for second type MP and all RP valve bank assemblies	
1			HOUSING, STEER VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3			SEAL KIT, WORK SEGMENT . . . includes;	1
4			BALL (for housing cross port)	1
5			"O"-RING (for housing cross port)	2
6			"O"-RING (for housing cross port)	3
			plus all items below marked with an asterisk (*)	
7	Call Simon Call Simon		SPOOL KIT, STEER VALVE for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
8			SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15	01-211013 Call Simon		PLUG, HEX for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
16			PLUG	1
17		*	"O"-RING	1
18	Call Simon Call Simon		PLUG, SOCKET for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
19			PLUG	1
20		*	"O"-RING	1

TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

PLATE NO. D13.08 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.08

PARTS LIST

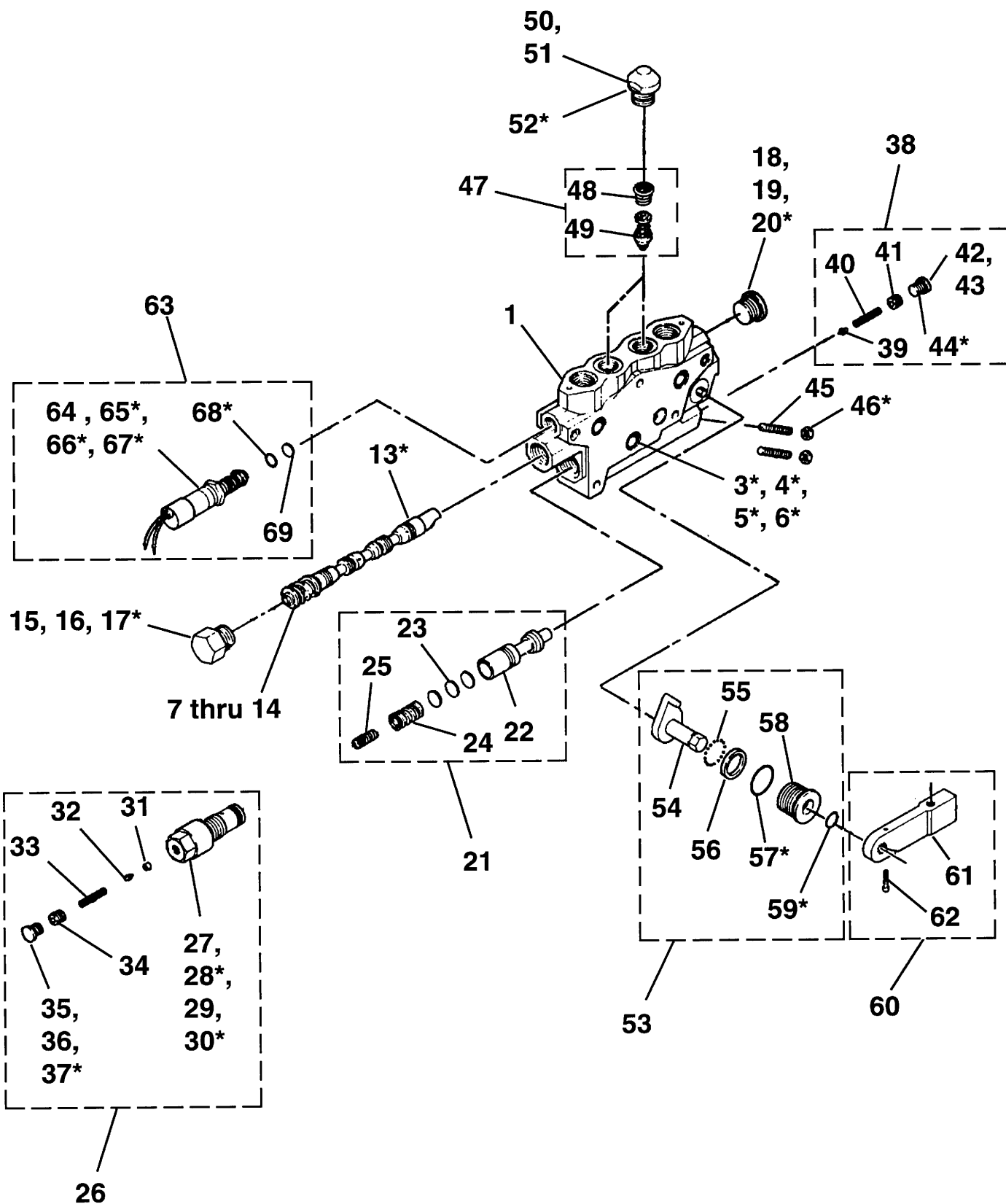
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 Gal [37.8 Liters]/ Min flow or greater)	1
26	01-211006 Call Simon		CARTRIDGE KIT, PRESSURE LIMITER for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27		*	PLUG, RELIEF	1
28		*	"O"-RING	1
29		*	RING, BACKUP	1
30		*	"O"-RING	1
31		*	SEAT	1
32			POPPET, RELIEF	1
33			SPRING, RELIEF	1
34			SCREW, ADJUSTMENT	1
35			PLUG, HEX	1
36			PLUG	1
37		*	"O"-RING	1
38	01-211005 Call Simon		PRESSURE LIMITER KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			POPPET, PRESSURE LIMITER	1
40			SPRING, PRESSURE LIMITER	1
41			SCREW, ADJUSTMENT	1
42			PLUG, SOCKET HEAD	1
43			PLUG	1
44		*	"O"-RING	1
45	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
46	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2

TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

PLATE NO. D13.08 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47	01-211007 Call Simon		RELIEF KIT (with anti-cavitation valve) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
48			CARTRIDGE ASSEMBLY	1
49			SPRING	1
50			PLUG, WORK PORT	1
	Call Simon Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
51			PLUG	1
52		*	"O"-RING	1
53	01-211008 Call Simon		HANDLE SHAFT KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
54			LINK, SHAFT	1
55			BALL (Steel)	17
56			RETAINER, BEARING	1
57		*	"O"-RING	1
58			PLUG, OVERRIDE	1
59		*	"O"-RING	1
60	01-211014 Call Simon		OPERATOR LINKAGE KIT (fixed) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
61			ADAPTER, HANDLE	1
62			CAP SCREW	1
63	01-211001 Call Simon		SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
64			SOLENOID, PULSAR (12 Volt)	1
65		*	"O"-RING	1
66		*	SCREEN, SOLENOID FILTER	1
67		*	"O"-RING (special)	2
68		*	"O"-RING	2
69			PLATE, ORIFICE	1

TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

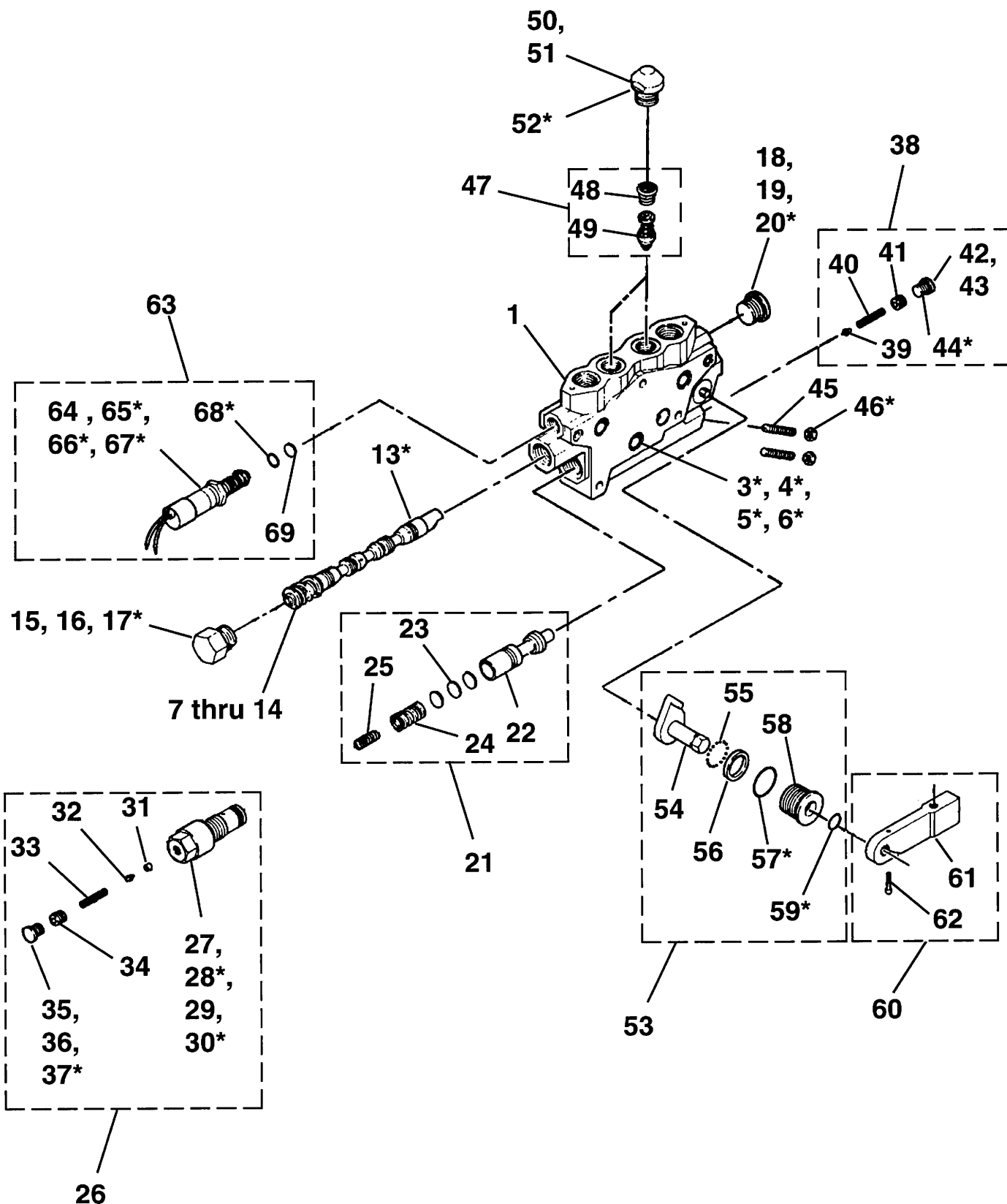
PLATE NO.

D13.08

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART NO.



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST

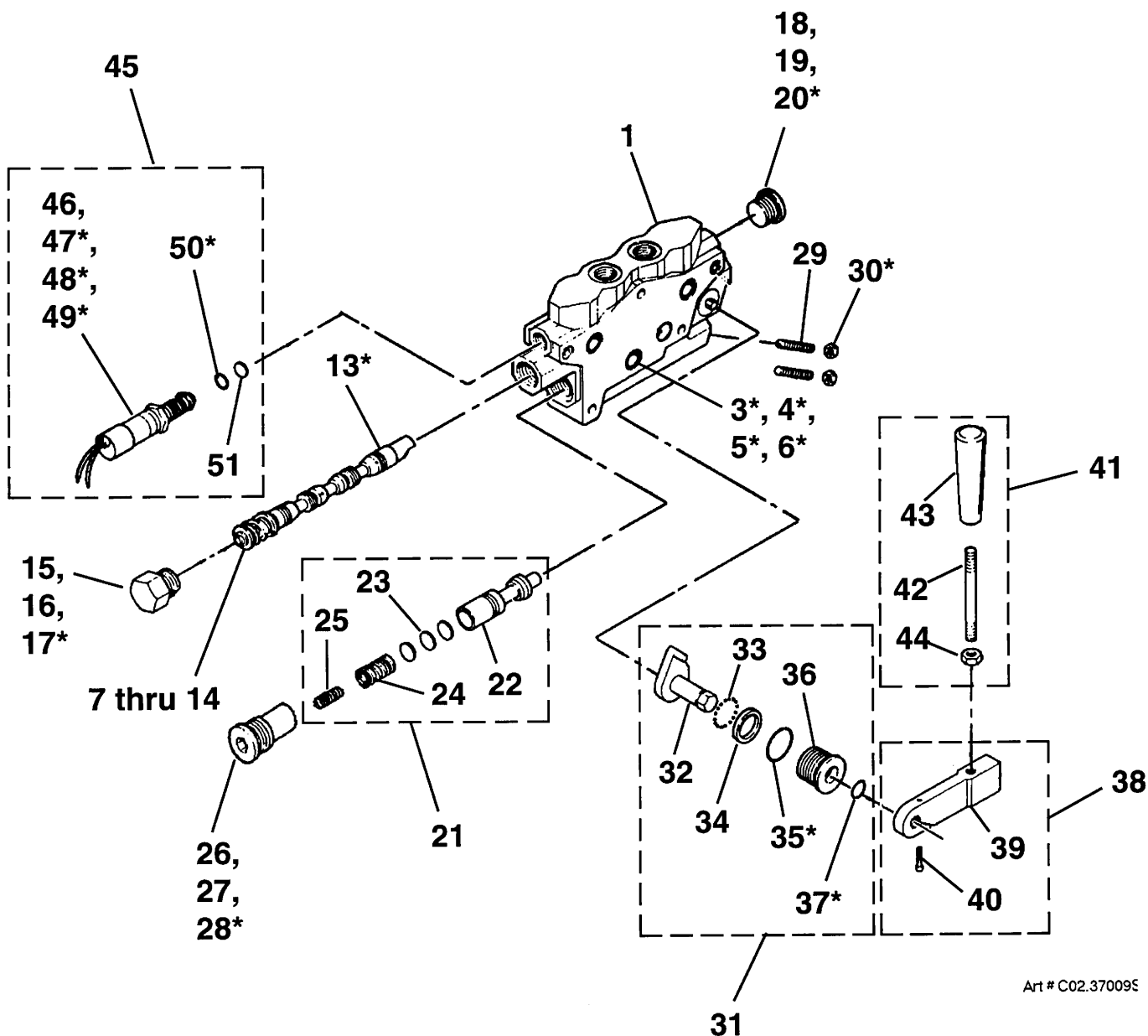
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-231205 01-231203 Call Simon		BOOM RAISE/ LOWER VALVE SECTION for Model RP 66 main boom for Model RP 66 jib boom for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, BOOM RAISE/ LOWER VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT . . . includes; for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3			BALL (for housing cross port)	1
4			"O"-RING (for housing cross port)	1
5			"O"-RING (for housing cross port)	2
6			"O"-RING (for housing cross port) plus all items below marked with an asterisk (*)	3
7	01-210901 Call Simon		SPOOL KIT, BOOM RAISE/ LOWER VALVE For Model MP 95 or MP 110 (6.5 Gal/ Min [24.6 Liter/ Min]) For all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate. If for RP Series, also specify if for main or jib boom.	1
8			SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15	01-211013 Call Simon		PLUG, HEX for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	01-211009 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
19			PLUG	1
20		*	"O"-RING	1

TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

PLATE NO. D13.09 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.09

PARTS LIST

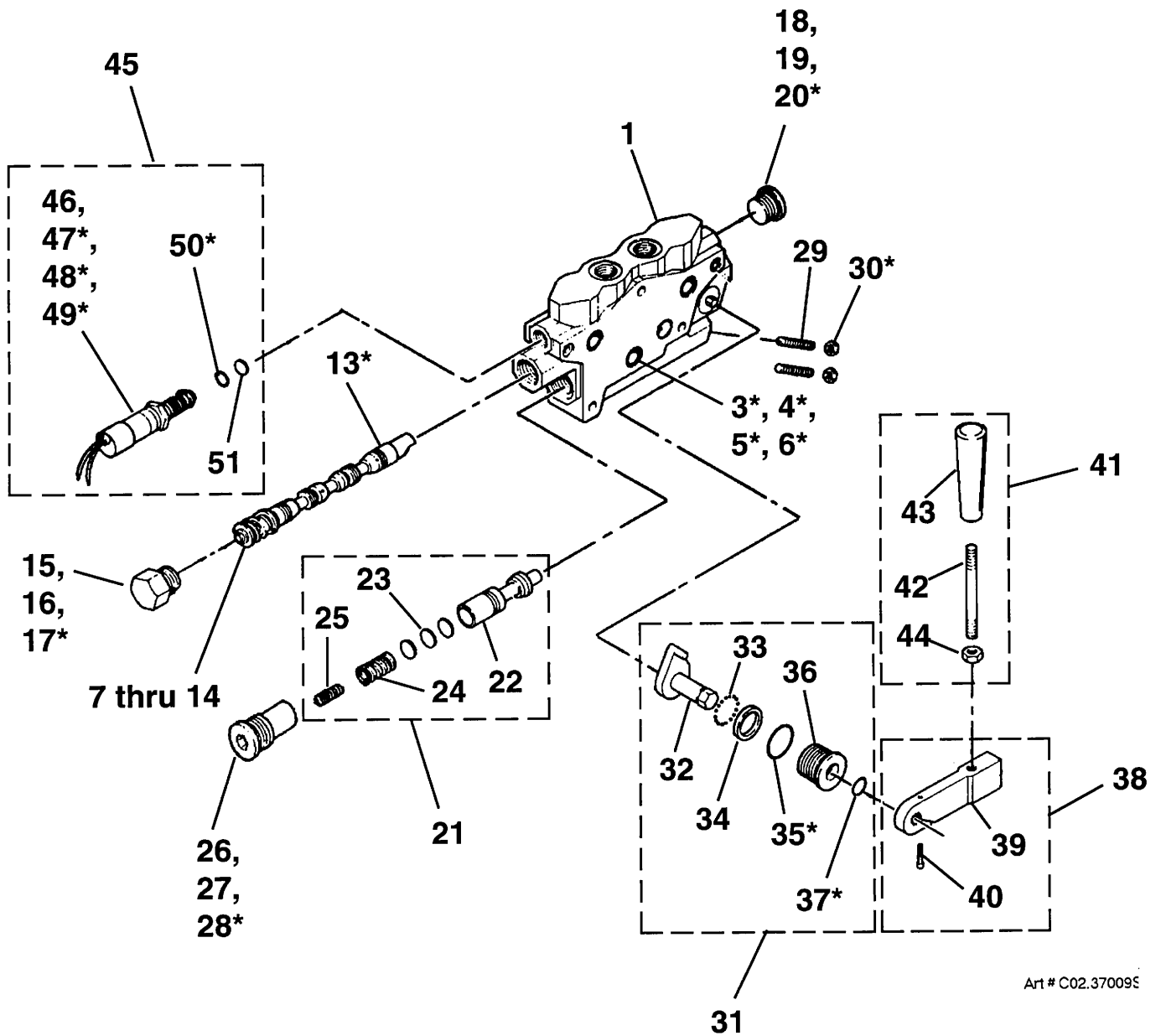
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 GPM [37.8 LPM] flow or greater)	1
26	01-211015 Call Simon		PLUG, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27		*	PLUG	1
28		*	"O"-RING	1
29	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
30	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
31	01-211008 Call Simon		HANDLE SHAFT KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
32			LINK, SHAFT	1
33			BALL (Steel)	17
34			RETAINER, BEARING	1
35		*	"O"-RING	1
36		*	PLUG, OVERRIDE	1
37		*	"O"-RING	1
38	01-211014 Call Simon		OPERATOR LINKAGE KIT (fixed) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			ADAPTER, HANDLE	1
40			CAP SCREW	1
41			HANDLE KIT	1
42	01-211003 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies ROD, HANDLE	1
43			KNOB	1
44			NUT, JAM	1

TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

PLATE NO. D13.09 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

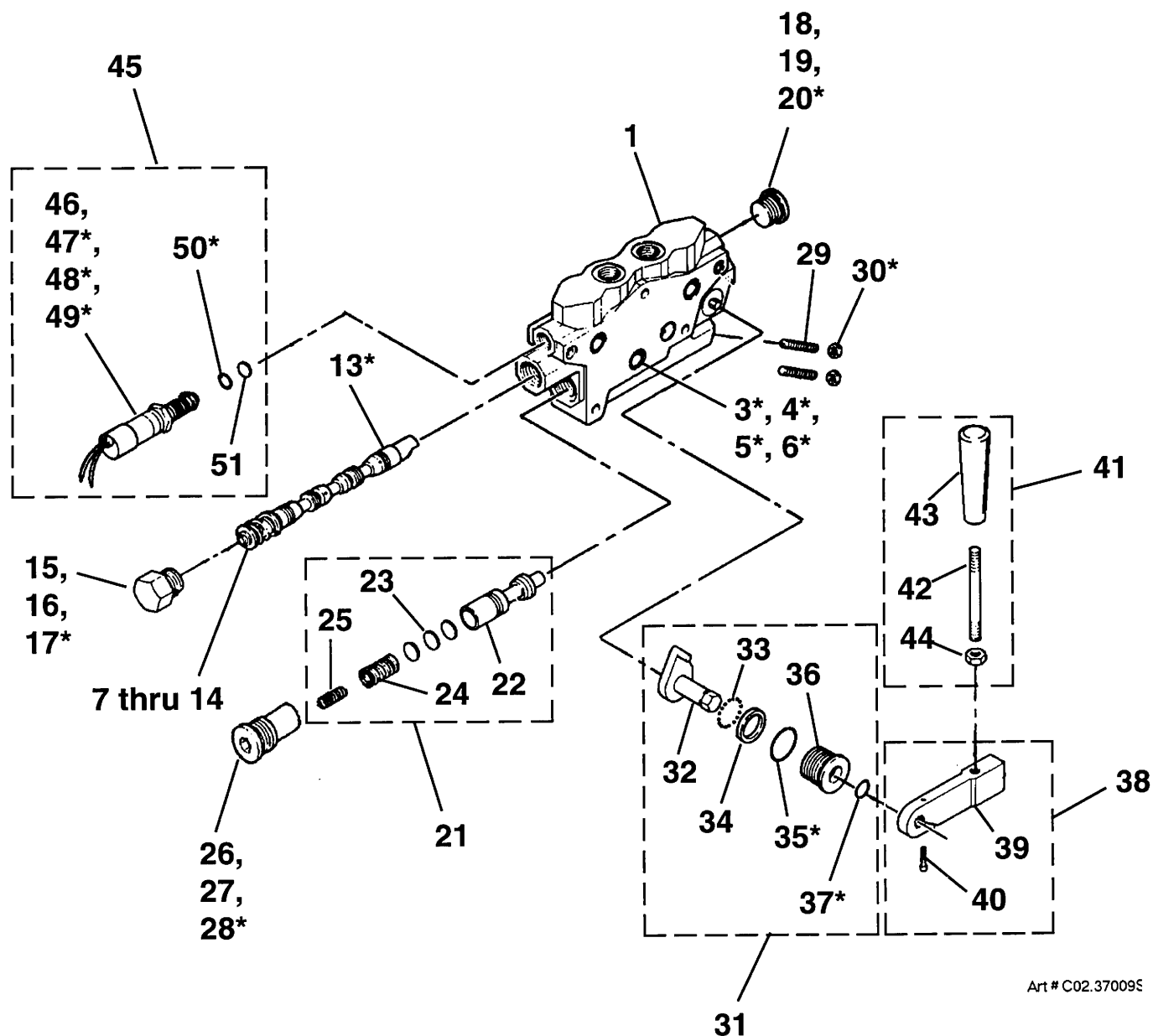
PLATE
NO. D13.09

[illegible]

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.



TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.09

PARTS LIST

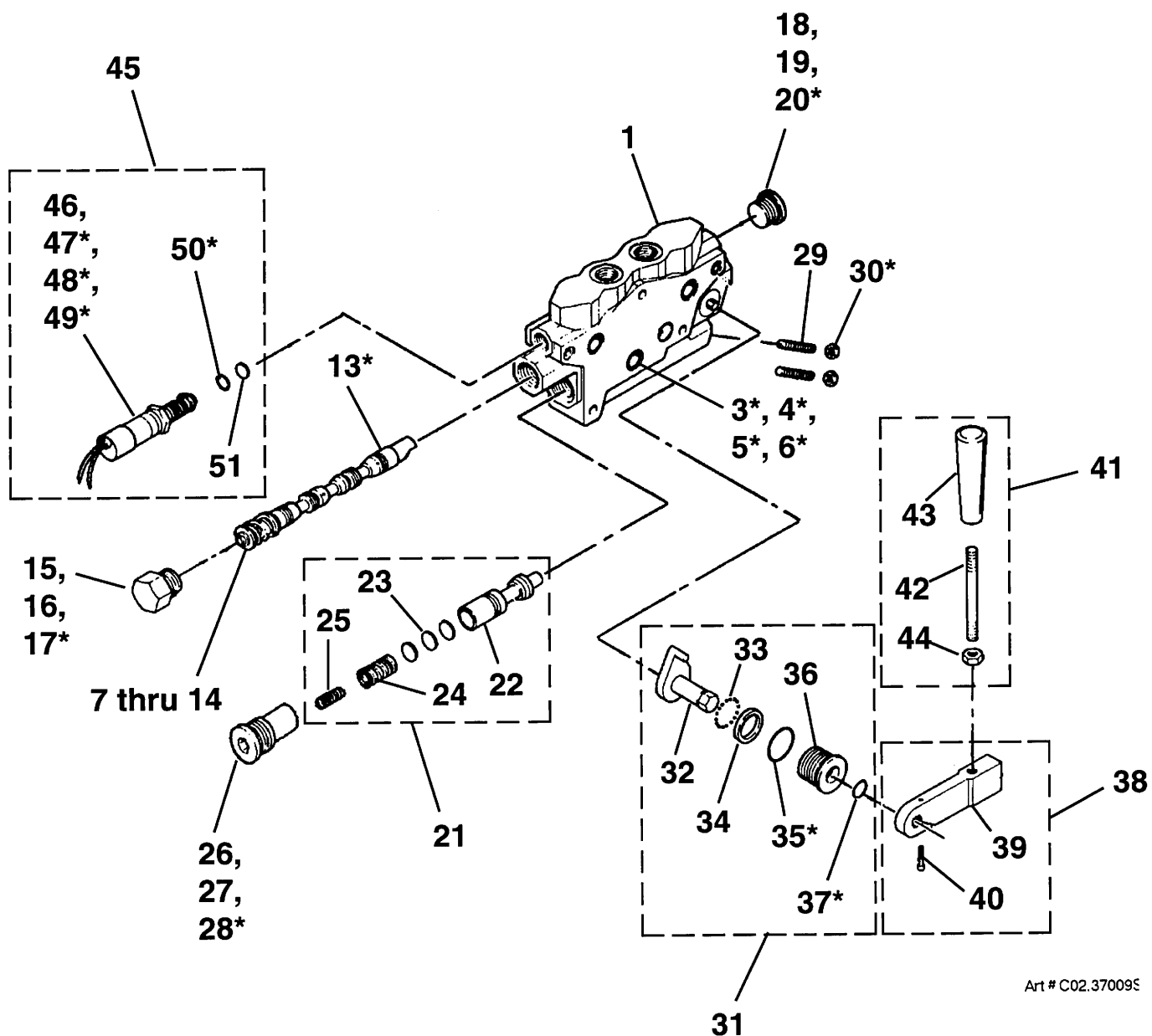
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-231206 Call Simon		SWING VALVE SECTION for Model RP 66 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, SWING VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT . . . includes; for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3			BALL (for housing cross port)	1
4			"O"-RING (for housing cross port)	1
5			"O"-RING (for housing cross port)	2
6			"O"-RING (for housing cross port)	3
7	Call Simon		plus all items below marked with an asterisk (*) SPOOL KIT, SWING VALVE	1
8			Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate. SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15	01-211013 Call Simon		PLUG, HEX for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
19	01-211009 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies PLUG	1
20		*	"O"-RING	1

TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

PLATE NO. D13.10 SIMON AERIALS INC.

REV. 26 JUL., 1994

PART NO.



TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

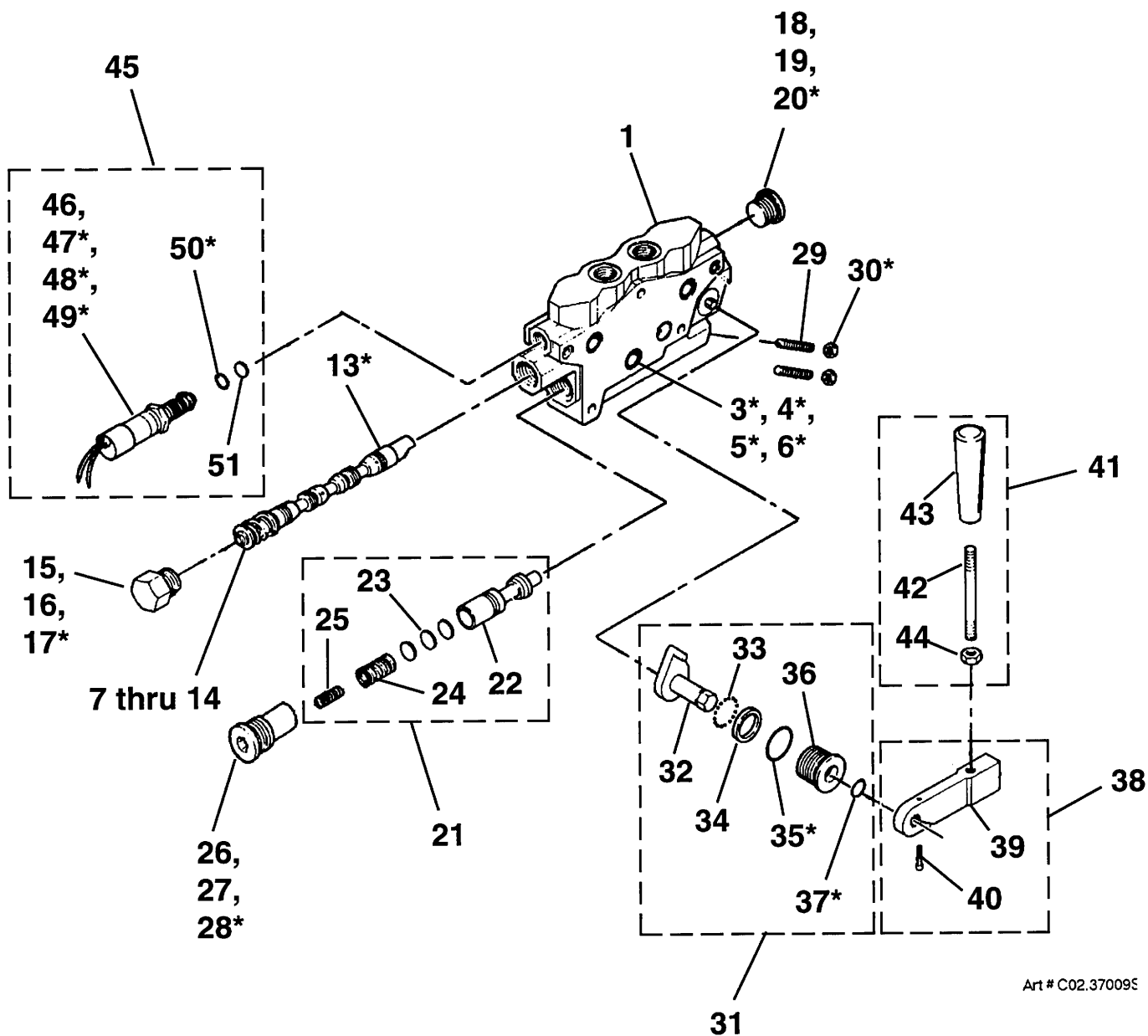
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.10**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 Gal [37.8 Liter]/ Min flow or greater)	1
26	01-211015 Call Simon		PLUG, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27			PLUG	1
28		*	"O"-RING	1
29	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
30	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
31	01-211008 Call Simon		HANDLE SHAFT KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
32			LINK, SHAFT	1
33			BALL (Steel)	17
34			RETAINER, BEARING	1
35		*	"O"-RING	1
36			PLUG, OVERRIDE	1
37		*	"O"-RING	1
38	01-211014 Call Simon		OPERATOR LINKAGE KIT (fixed) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			ADAPTER, HANDLE	1
40			CAP SCREW	1
41			HANDLE KIT	1
	01-211003 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
42			ROD, HANDLE	1
43			KNOB	1
44			NUT, JAM	1
TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (2 OF 3)				
PLATE NO. D13.10		SIMON AERIALS INC.		PART NO.
REV. 26 JUL., 1994				



TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

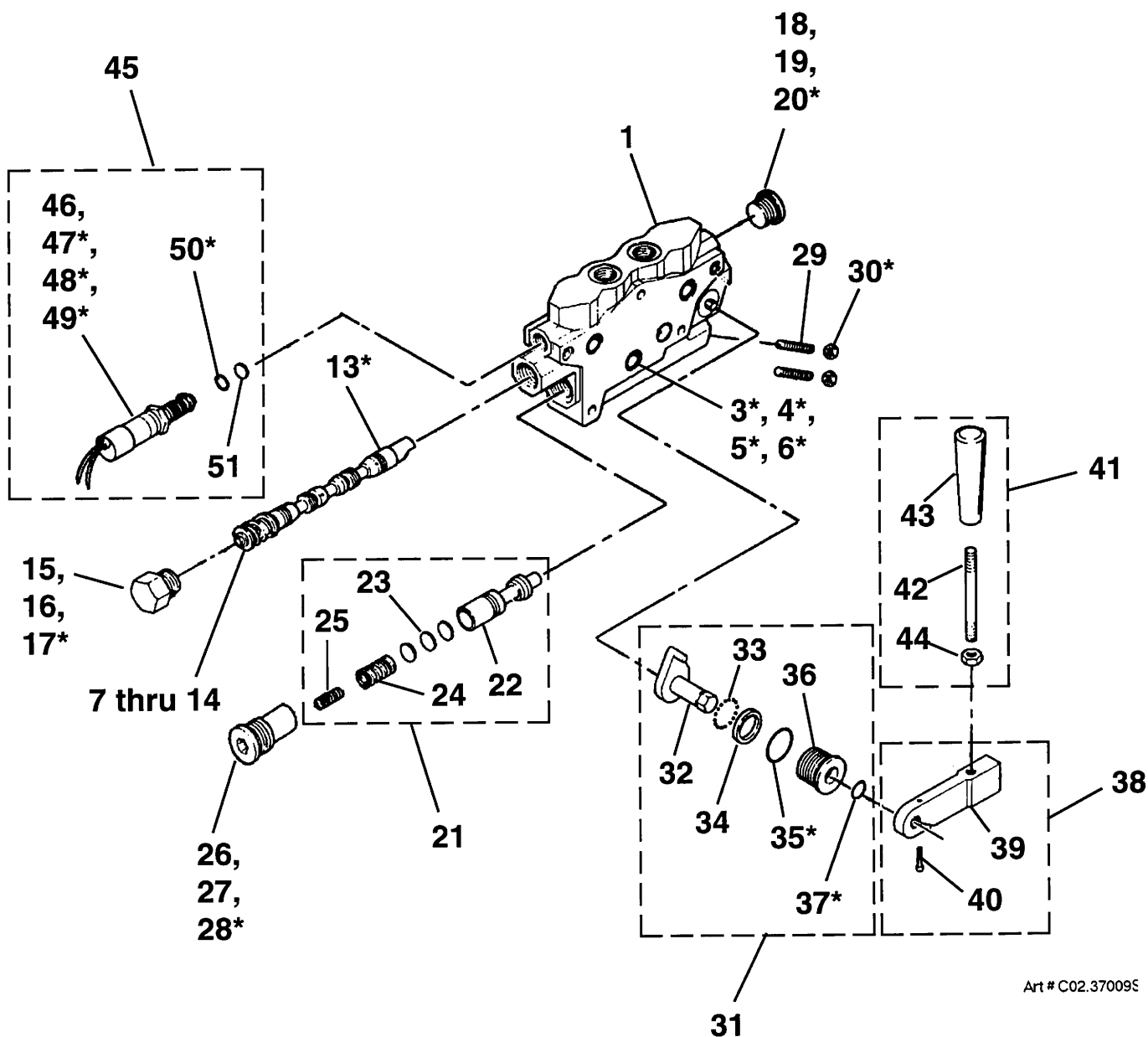
PLATE
NO. D13.10

[illegible]

TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (3 OF 3)
-------	--

PLATE NO. D13.10	SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.
------------------	--------------------	--------------------	----------

PART
NO.



TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

SIMON AERIALS INC.

REV. 26 JUL., 1994

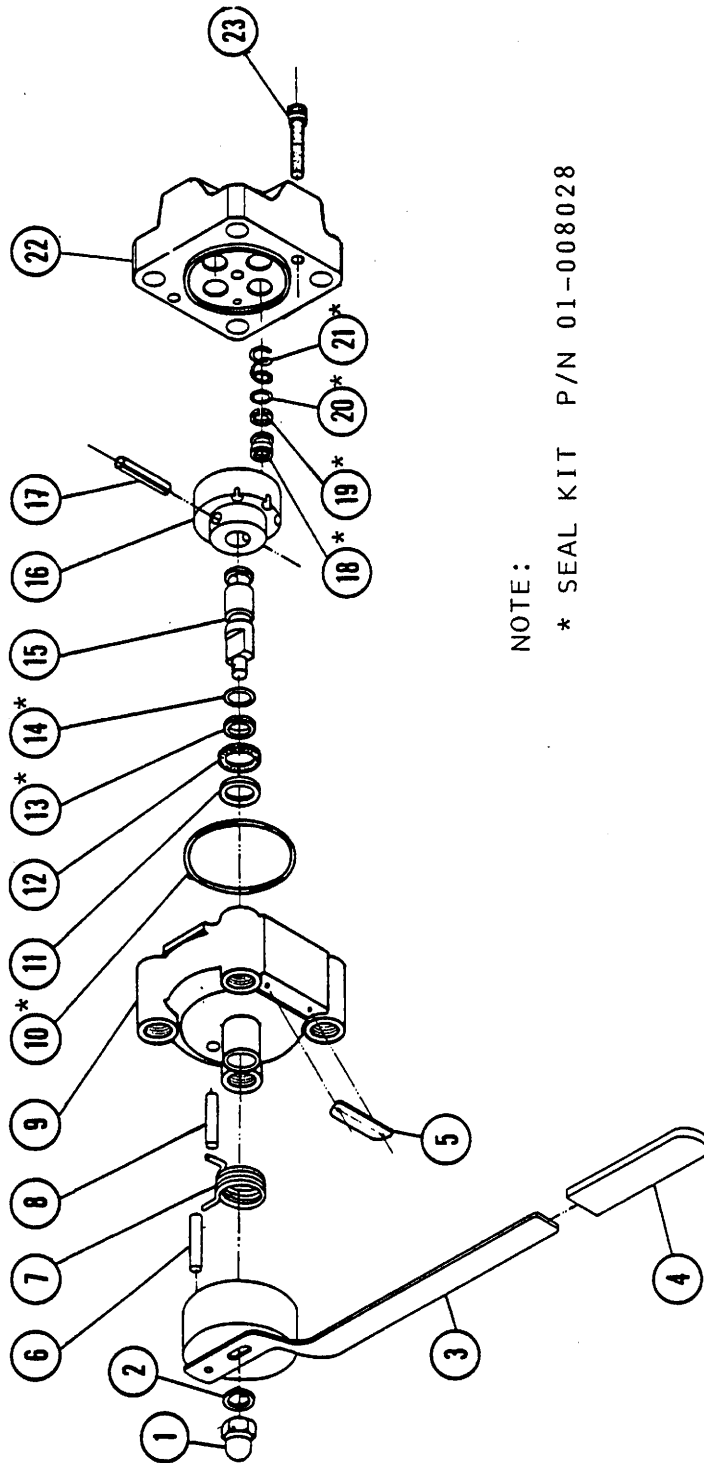
PART
NO.

PLATE
NO.

D13.10

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-008001		ACORN NUT	1
2			LOCKWASHER	1
3			HANDLE	1
4	01-008002		HANDLE GRIP	1
5			NAMEPLATE	1
6			HUB DOWEL PIN	1
7	01-008003		TORSIÓN SPRING	1
8			HOUSING ROLL PIN	1
9			HOUSING	1
10*	01-008007		HOUSING 'O' RING	1
11			THRUST WASHER	1
12			THRUST BEARING	1
13*	01-008004		SHAFT BACKUP RING	1
14*			SHAFT 'O' RING	1
15			SHAFT	1
16	01-008005		ROTOR	1
17			ROTOR ROLL PIN	1
18*			SEAL	3
19*	01-008006		BACK-UP RING	3
20*			'O' RING	3
21*			SPRING	3
22	1-008028		BODY	1
23			CAP SCREW	4
*			SEAL KIT	1
DESCRIPTION			4-WAY MANUAL VALVE	
			PART NO. 01-008000	



NOTE:

* SEAL KIT P/N 01-008028

1283/0677

DESCRIPTION

4-WAY MANUAL VALVE

PART NO.

01-008000

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-067701		VALVE ASSEMBLY, 4-WAY MANUAL Important: Part No. 01-067701 includes items 1 through 14 only. To get a complete valve assembly you must order 01-067701 and 01-067702 (item 15).	1
2			POPPET, CHECK VALVE	1
3			SPRING, CHECK VALVE POPPET	1
4			PLATE, SEAL	2
5			CAP SCREW	4
6	01-067708		SEAL KIT, 4-WAY MANUAL VALVE ASSEMBLY	1
7	01-067707		"O"-RING (section seal)	1
8			"O"-RING (plunger seal)	2
9			SEAL, WIPER (molded)	2
10	01-067703		END CAP ASSEMBLY, PLUNGER	1
11			SPRING	1
12			SHOULDER SCREW	1
13			HOUSING	1
14			CAP, SPRING	2
			Note: The following items are not part of Valve Assembly 01-067701:	
15	01-067702		LEVER ASSEMBLY	1
16	01-067709		LEVER	1
17			HUB	2
18			BOLT	1
19			NUT	1
20			DOWEL PIN	1
21			LINK	1
22			ROLL PIN	1
23			BRACKET, LEVER	1

TITLE

4-WAY MANUAL VALVE, MOTORING SPOOL

PLATE
NO.

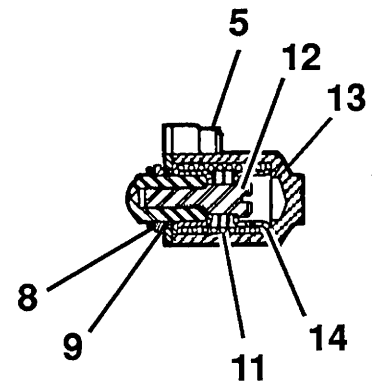
D14.02

SIMON AERIALS INC.

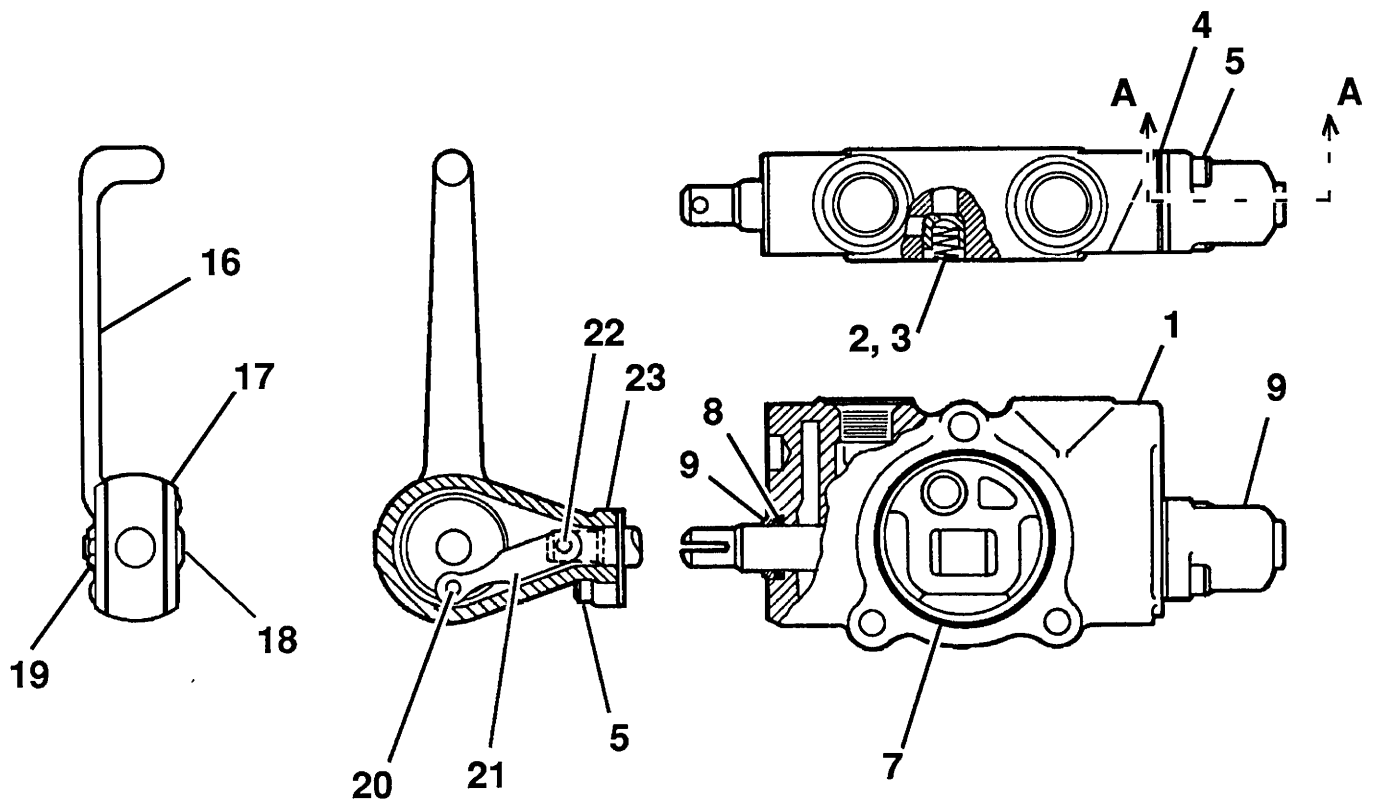
REV. 26 APR., 1993

PART
NO.

01-067701



Section "A-A"



TITLE

4-WAY MANUAL VALVE, MOTORING SPOOL

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

01-067701

PLATE
NO.

D14.02

PARTS LIST

[illegible]

TITLE

4-WAY MANUAL CONTROL VALVE

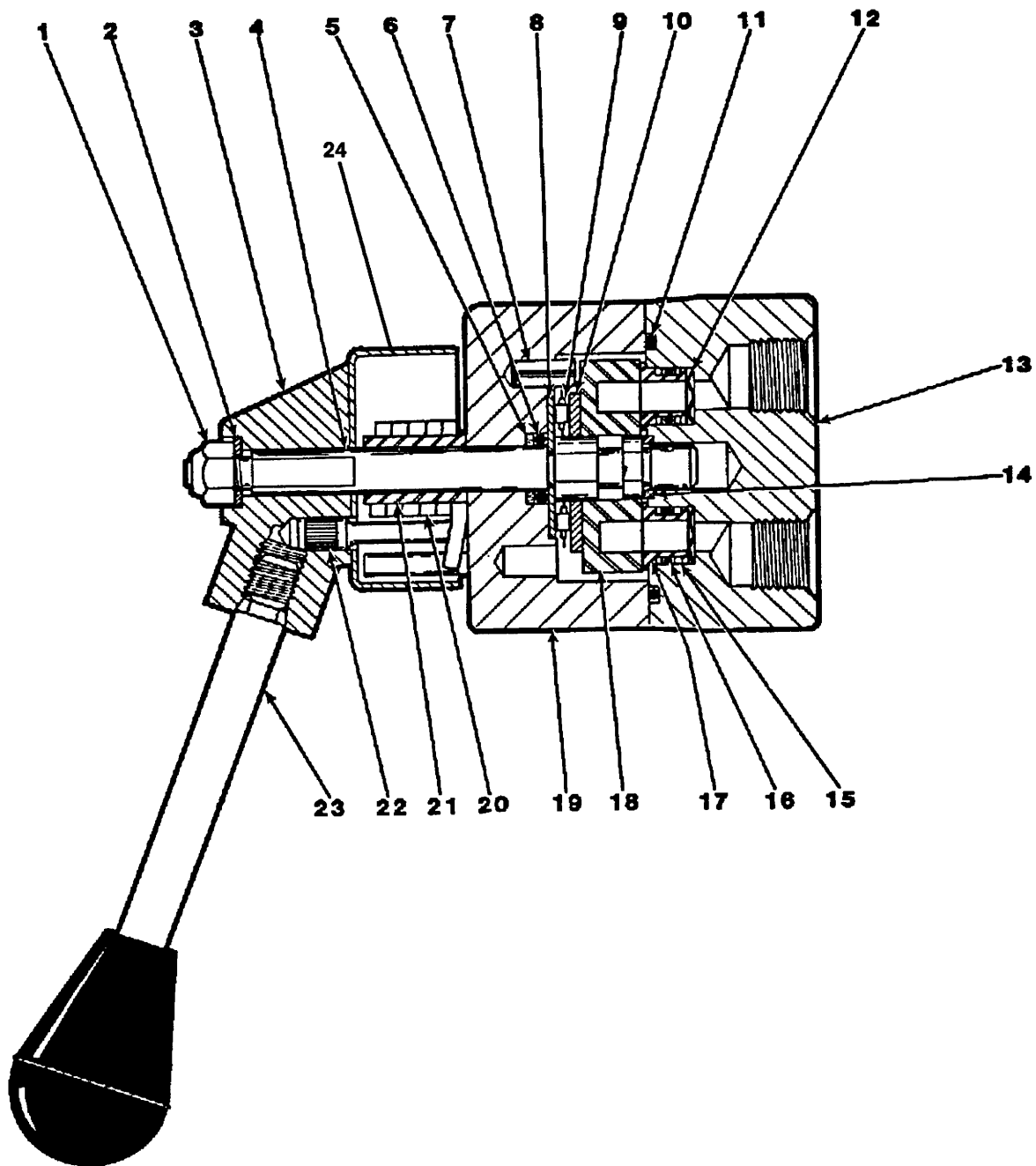
**PLATE
NO.**

D14.03	SIMON AERIALS INC.
--------	---------------------------

REV. 26 APR., 1993

PART
NO.

01-069900



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

01-069900

PLATE
NO.

D14.03

PARTS LIST

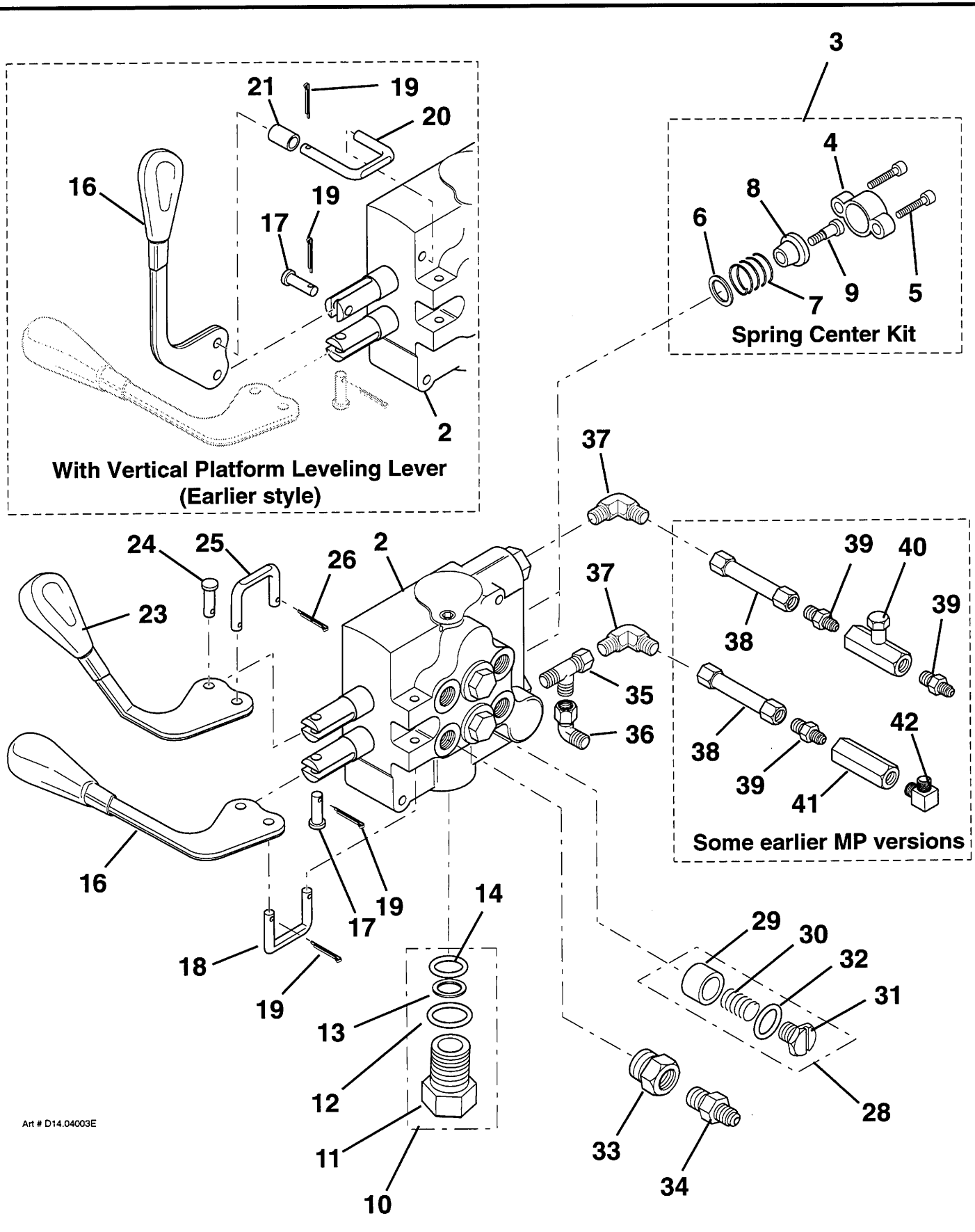
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL	1
	352 4590		for MP Series except MP 110	
			for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40 :	
	353 1480		Early style (Platform leveling lever is mounted vertically)	
	353 3920		Later style (Platform leveling lever is bent 45° upward)	
			for Trailblazer 60	
1			VALVE, PLATFORM ROTATE AND LEVEL	
			(Modified two spool valve 01-207100)	1
	218 1260		Early style (Platform leveling lever mounted vertically)	
	230 0610		Later style (Platform leveling lever is bent 45° upward)	
2			SPOOL AND BODY ASSEMBLY	
3	01-207103		SPRING CENTER KIT	2
4			CAP, END	1
5			SCREW (with lock washer)	2
6			WASHER	1
7			SPRING, RETURN	1
8			SPACER	1
9			BOLT, SHOULDER	1
10			BUSHING KIT, POWER BEYOND	1
11			BUSHING, POWER BEYOND	1
12			"O"-RING	1
13			RING, BACKUP	1
14			"O"-RING	1
15	01-207102		HANDLE KIT (Straight handle)	A.R.
16	01-207105		HANDLE	1
17	01-098403		PIN, CLEVIS	1
18	01-207104		"C"-HOOK	1
19	01-207106		PIN, COTTER	3
20	218 0880		PIN, PIVOT (For earlier style platform leveling lever. Replaces "C"-hook in handle kit above.)	1
21	218 0900		SPACER, VALVE PIVOT PIN	
			(For earlier style vertical platform leveling lever)	1
22	01-207107		HANDLE KIT (45° angled handle, for later style platform leveling lever.)	1
23	01-207108		HANDLE	1
24	01-098403		PIN, CLEVIS	1
25	01-207104		"C"-HOOK	1
26	01-207106		PIN, COTTER	3

TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)

PLATE NO. **D14.04** **SIMON AERIALS INC.**

REV. 29 NOV., 1995

PART NO.



TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 29 NOV., 1995

PART
NO.

PLATE
NO. D14.04

PARTS LIST

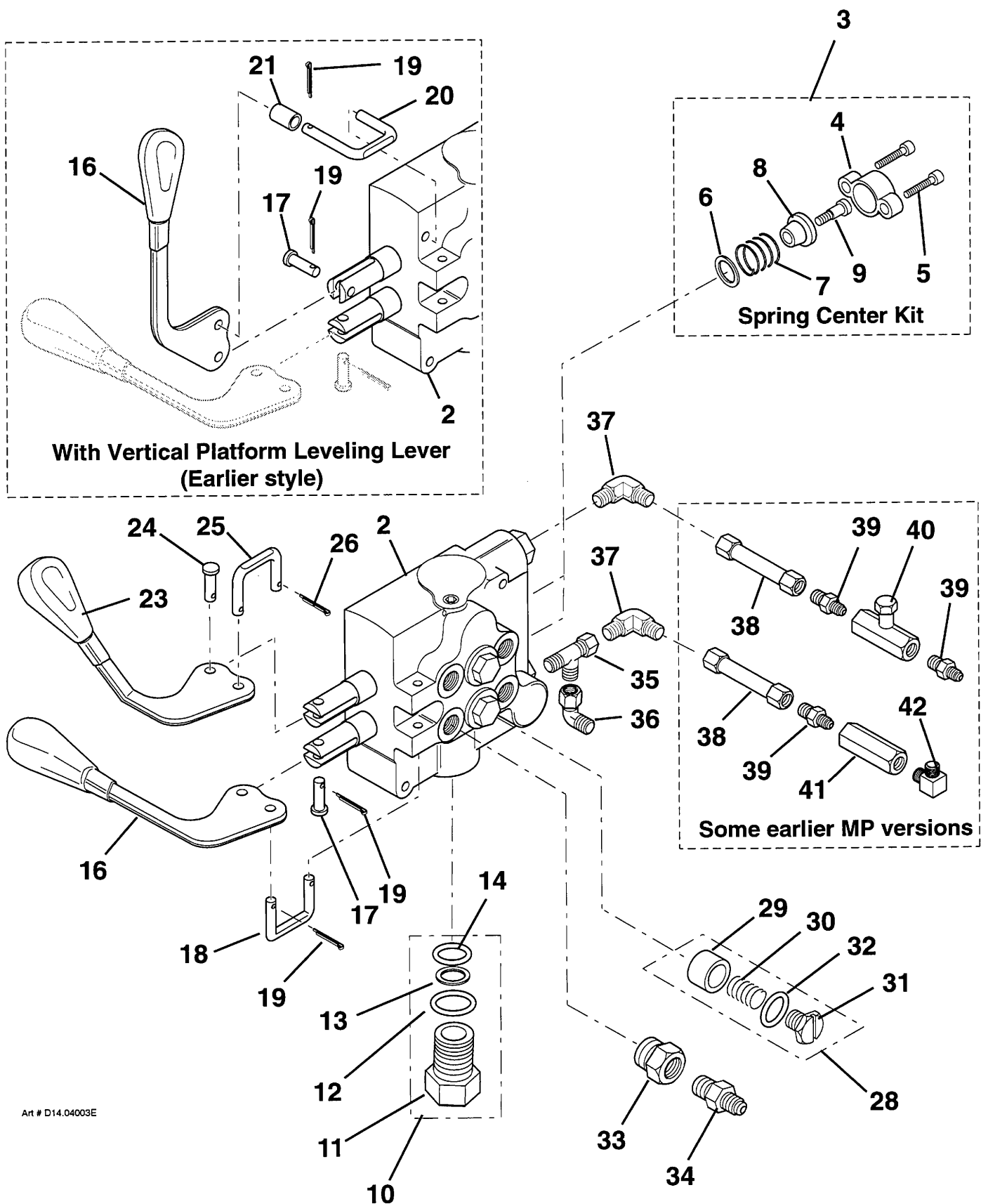
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED (either of these may be fitted)	4
	218 9010		Modified 4-6 F5OX-S (Optional. Item 34 is not required.)	
	219 0800		Modified 4 F5OX-S (Optional. Item 34 is also required.)	
34	06-090300		REDUCER/ EXPANDER (6-4 F5OG5-S)	
			(required with connector 219 0800 , Item 33 above)	4
35	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	
			(for Assembly 353 3920 [Trailblazer 60] only)	1
36	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	
			(for Assembly 353 3920 [Trailblazer 60] only)	1
37	06-044600		90° ELBOW, STRAIGHT THREAD (6 C5OX-S)	2
			Items 38 through 42 were used in some earlier MP Series applications:	
38	350 7867		TUBE ASSEMBLY	2
39	06-039800		CONNECTOR, STRAIGHT THREAD (6 F5OX-S)	3
40	01-018900		VALVE, FLOW CONTROL (#6 SAE ports)	1
41	01-020800		VALVE, POPPET CHECK (3 PSI)	1
42	06-044400		ELBOW, STRAIGHT THREAD (4-6 C5OX-S)	1
			Items 43 through 45 are used for mounting the valve assembly <i>in most applications</i> :	
43	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
44	07-062014		WASHER, FLAT (1/4")	4
45	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 2 OF 2)

PLATE NO. D14.04 **SIMON AERIALS INC.**

REV. 29 NOV., 1995

PART NO.



TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 29 NOV., 1995

PART
NO.

PLATE
NO. D14.04

PARTS LIST

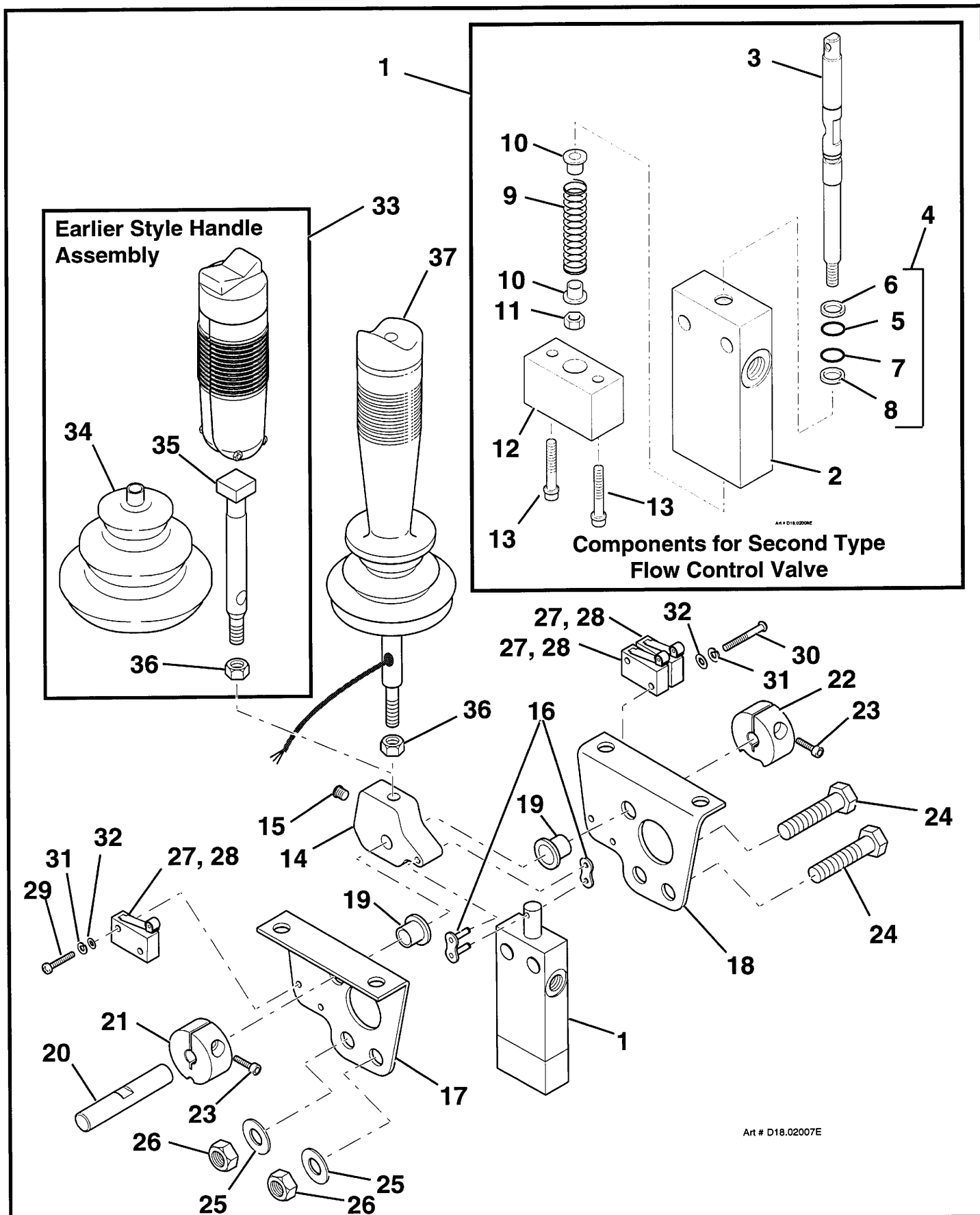
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-072400 01-201400		VALVE ASSEMBLY, DRIVE CONTROL (First type shown) First type (Not for use with Water Glycol hydraulic fluid) First type (Can be used with Water Glycol hydraulic fluid)	1
	353 5630 353 5640		Second type (Single cam [Item 21] has three detents) Second type (Single cam [Item 21] has one detent)	
1	--- 01-230800		VALVE, FLOW CONTROL (1 tooth) For " first type " assembly (Valve is not available separately) For " second type " assembly	1
2	231 5530		BODY, FLOW CONTROL VALVE	1
3	231 5540		SPOOL, FLOW CONTROL VALVE	1
4	01-000901		SEAL KIT, FLOW CONTROL VALVE	1
5	01-000902		"O"-RING (12 mm)	1
6	01-000904		RING, BACKUP (12 mm)	1
7	01-000903		"O"-RING (10 mm)	1
8	01-000905		RING, BACKUP (10 mm)	1
9	231 5560		SPRING	1
10	231 5550		BUSHING, SPRING RETAINER	2
11	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
12	231 5520		CAP, VALVE BODY	1
13	07-008354		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
14	212 1810		ARM, ROCKER used with " first type " valve	1
15	232 3270 07-023059	shown	used with " second type " valve SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5) (used with " second type " valve)	1
16	08-010200		LINK KIT, CONNECTING	1
17	212 1780		BRACKET, VALVE (right) (single switch side)	1
18	212 1790		BRACKET, VALVE (left) (double switch side)	1
19	212 1800		BUSHING, FLANGED	2
20	212 1740		SHAFT, CAM	1
21			CAM, SWITCH (single)	1
	212 1760		Cam has three detents (for all except 353 5640)	1
	232 3420	shown	Cam has one detent (for 353 5640)	1
22	212 1770		CAM, SWITCH (double)	1
23	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	2
24	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	2
25	07-062015		WASHER, FLAT (5/16")	2
26	07-050015		NUT, STOP (5/16"-18, Grade 5)	2

TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

PLATE NO. D18.02 SIMON AERIALS INC.

REV. 16 JAN., 1996

PART NO.



TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02

PARTS LIST

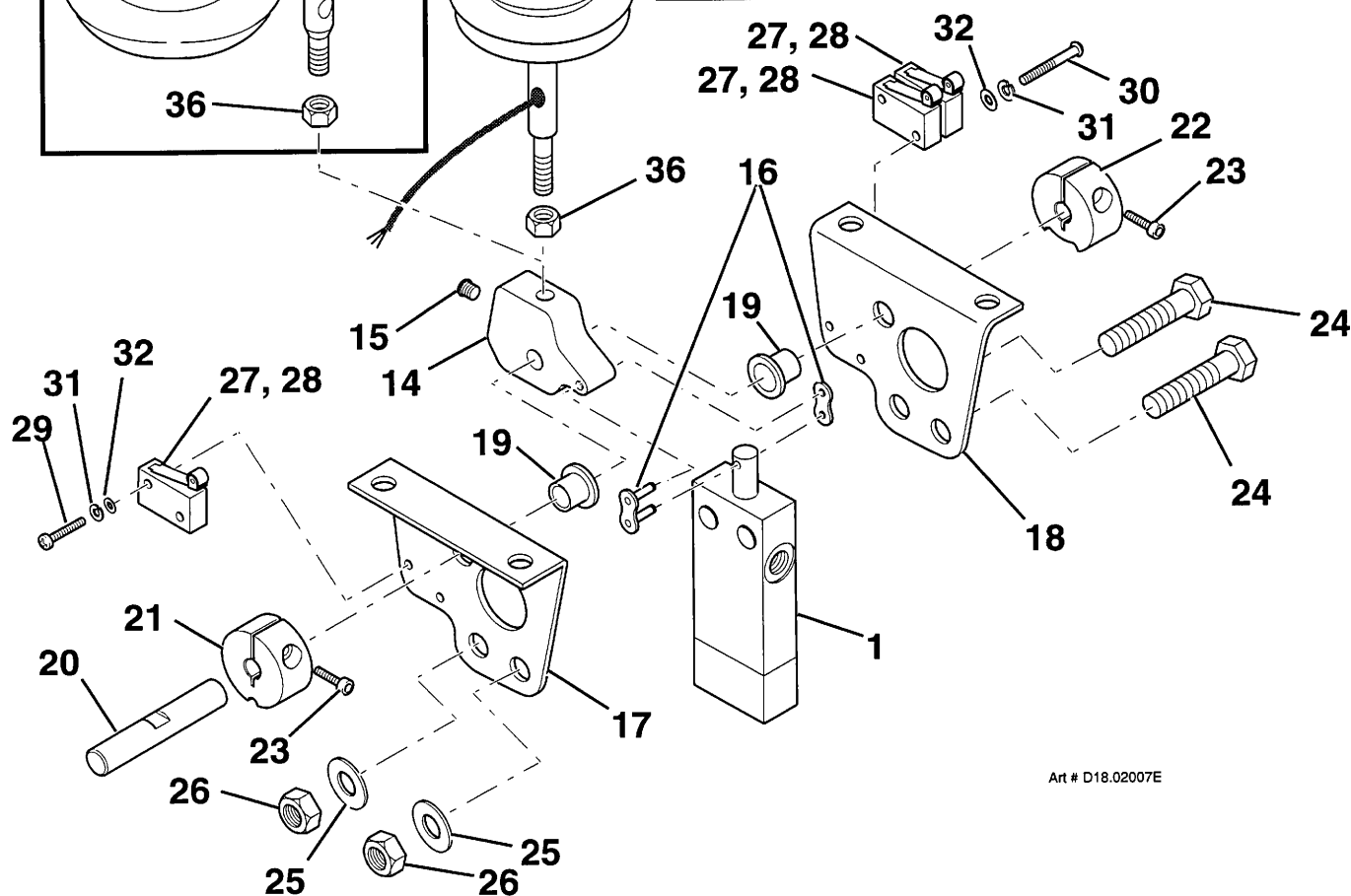
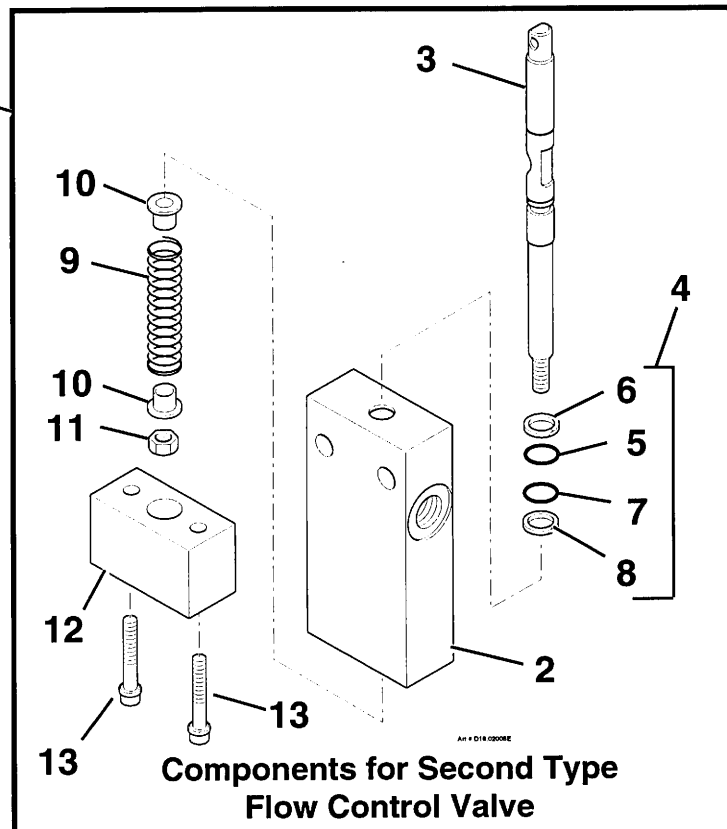
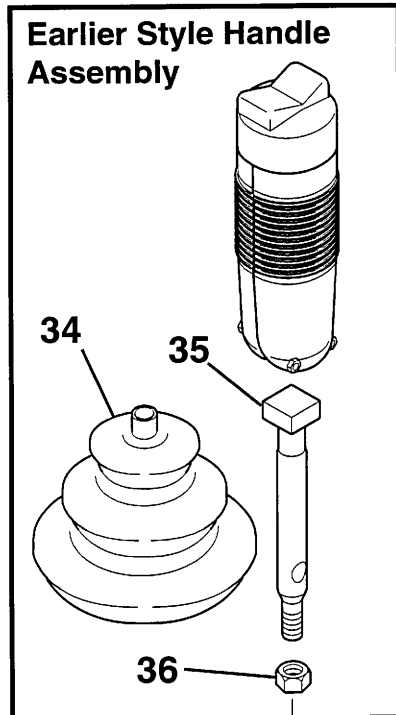
[illegible]

TITLE	DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)
-------	--

PLATE NO.	D18.02	SIMON AERIALS INC.	REV. 16 JAN., 1996	PART NO.
-----------	--------	--------------------	--------------------	----------

REV. 16 JAN., 1996

PART
NO.



Art # D18.02007E

TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

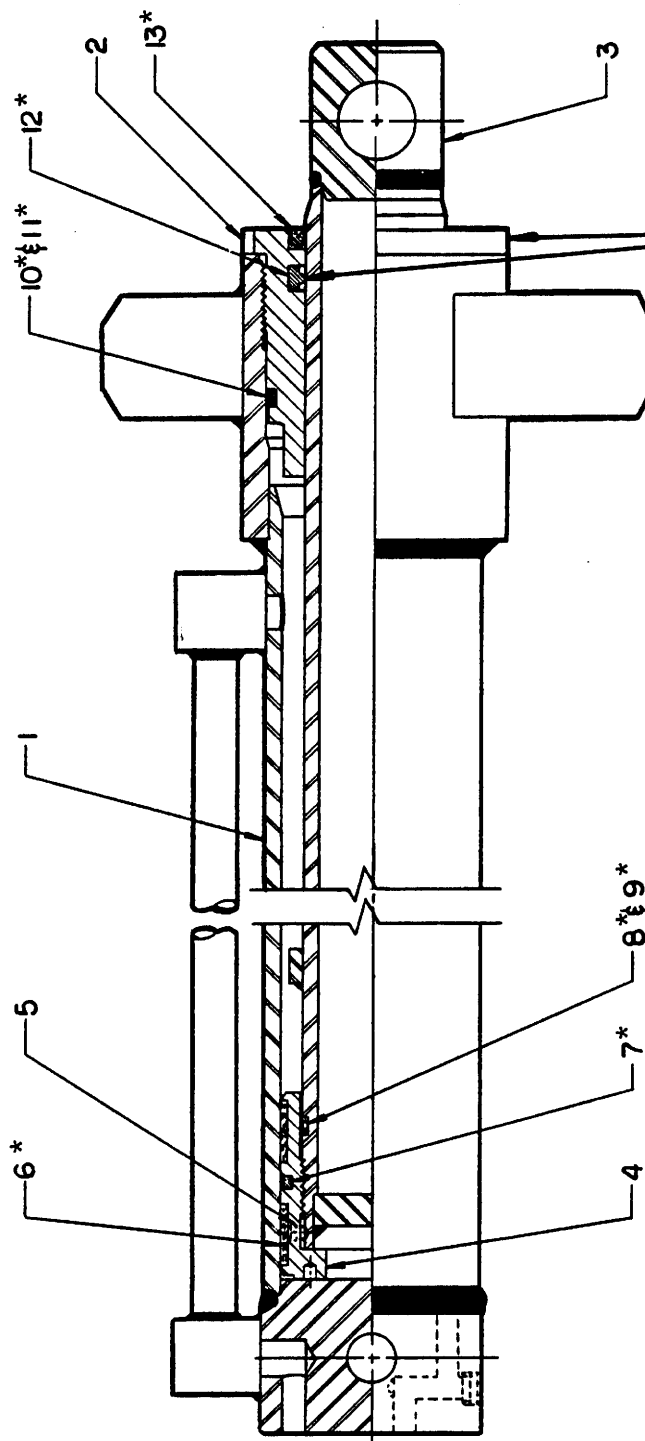
REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02

PARTS LIST

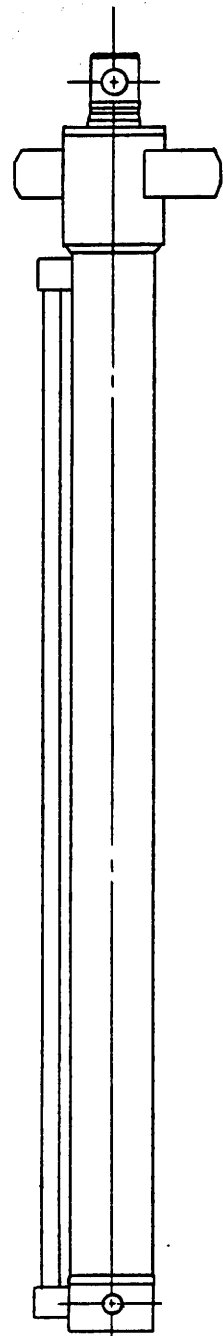
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			CASE	1
2			HEAD GLAND	1
3			ROD	1
4			PISTON	1
5			SET SCREW	1
6*			WEAR RING	4
7*			PISTON SEAL	1
8*			'O' RING	1
9*			BACK-UP RING	2
10*			'O' RING	1
11*			BACK-UP RING	1
12*			ROD SEAL	1
13*			WIPER	1
*	04-006201		SEAL KIT	1
DESCRIPTION			PART NO.	
EXTEND CYLINDER			04-006300	



HEAD GLAND W/NO SET SCREW
PIN CTR.-1.98", ROD SEAL TYPE "B"

NOTE:

* SEAL KIT P/N 04-006201



0284/101382

DESCRIPTION

EXTEND CYLINDER

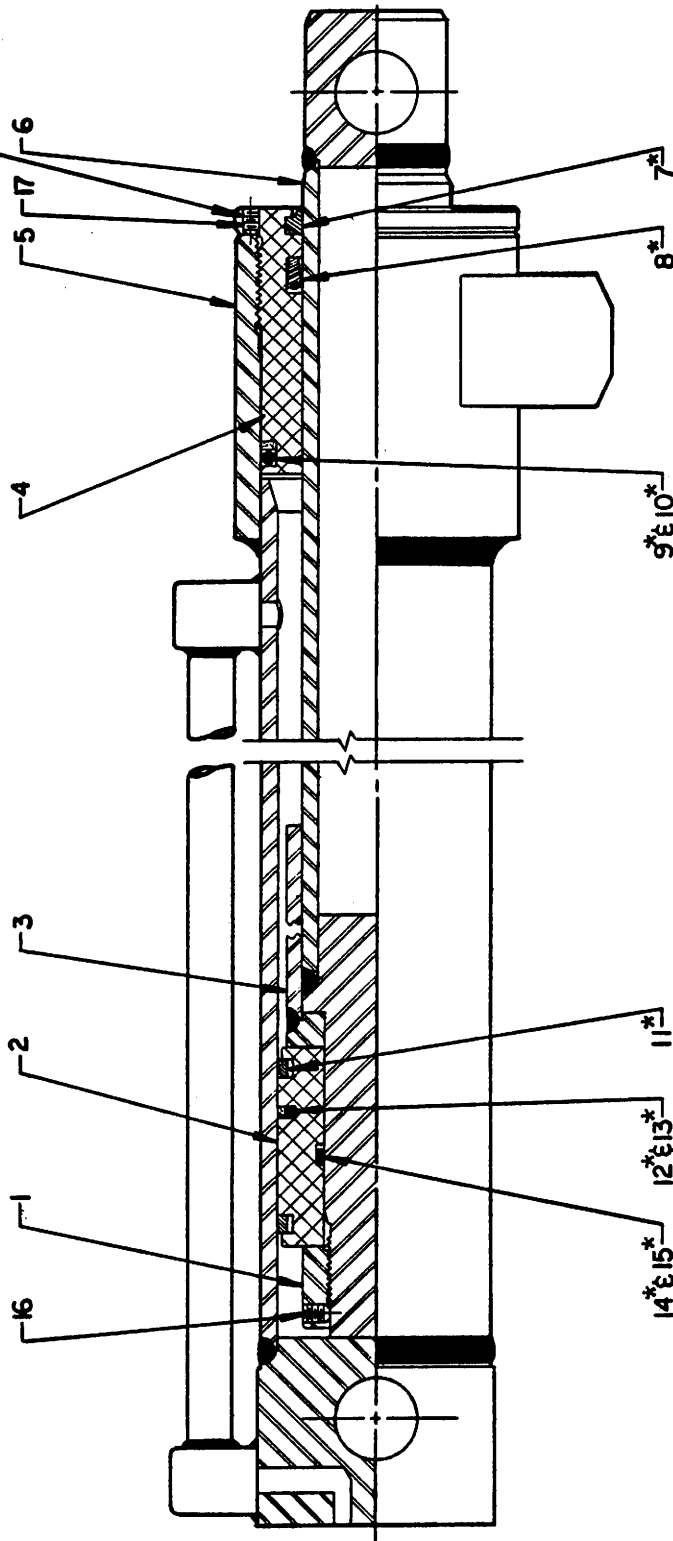
PART NO.

04-006300

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-002203		PISTON NUT	1
2	04-002205		PISTON	1
3	04-002202		SPACER	1
4	04-002204		HEAD GLAND	1
5			CASE	1
6			ROD	1
7*			WIPER	1
8*			ROD SEAL	1
9*			'O' RING	1
10*			BACK-UP RING	1
11*			PISTON RING	2
12*			PISTON SEAL	1
13*			'O' RING	1
14*			'O' RING	1
15*			BACK UP RING	2
16			SET SCREW	1
17			SET SCREW	1
*	04-002201		SEAL KIT	1
DESCRIPTION			PART NO.	
EXTEND CYLINDER			04-009700	

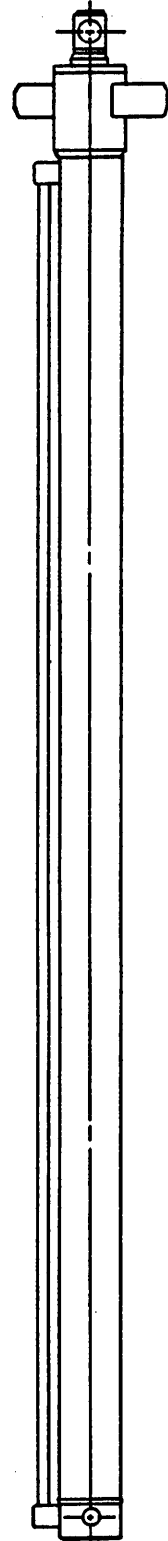
HEAD GLAND W/SET SCREW
PIN CTR.-1.98"



NOTE:

* SEAL KIT P/N 04-002201

OLD STYLE CYLINDER #04-002200 IS REPLACED BY CYLINDER #04-009700 WHICH ALSO
REQUIRES USE OF #01-003600 HOLDING VALVE.



1184/0677

DESCRIPTION

EXTEND CYLINDER

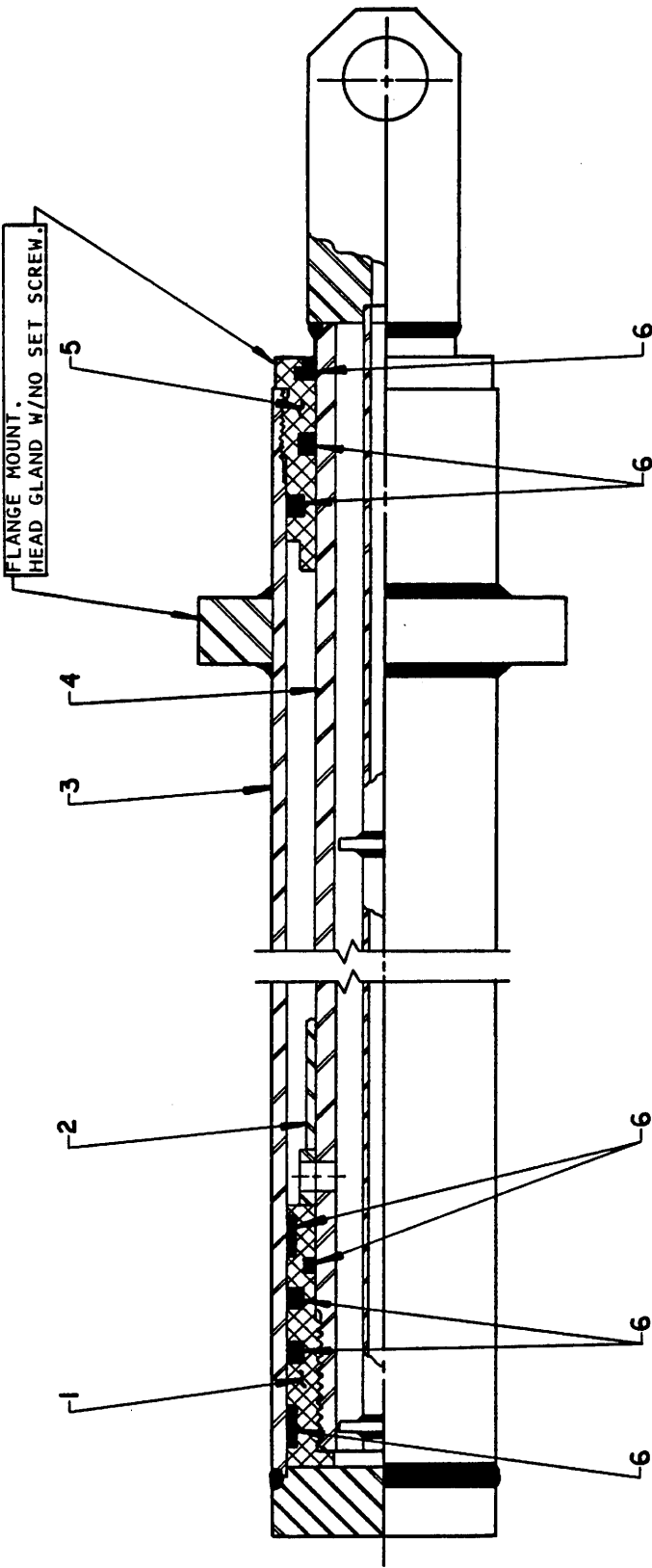
PART NO.

04-009700

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-006001		PISTON	1
2			SPACER	1
3			CASE	1
4			ROD	1
5			HEAD GLAND	1
6			SEAL KIT	1
DESCRIPTION			PART NO.	
EXTEND CYLINDER			04-006000	

D19.16



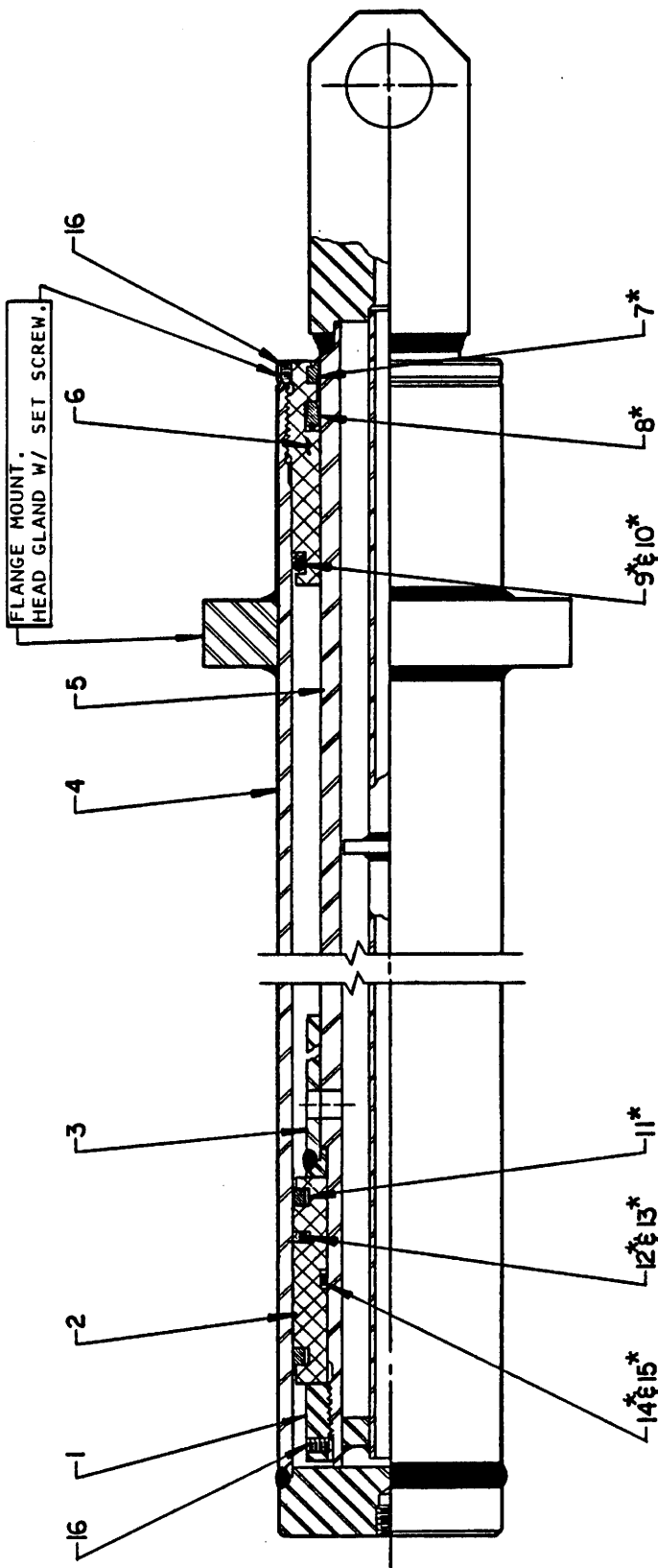
0285/0782
DESCRIPTION

EXTEND CYLINDER

PART NO.
04-006000

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			PISTON NUT	1
2			PISTON	1
3			SPACER	1
4			CASE	1
5	04-003603		ROD	1
6	04-003602		HEAD GLAND	1
7*			WIPER	1
8*			ROD SEAL	1
9*			'O' RING	1
10*			BACK-UP RING	1
11*			PISTON RING	2
12*			ROD SEAL	1
13*			'O' RING	1
14*			'O' RING	1
15*			BACK-UP RING	2
16			SET SCREW	3
*	04-003601		SEAL KIT	1
DESCRIPTION			PART NO.	
EXTEND CYLINDER			04-003600	



NOTE:

* SEAL KIT P/N 003601



0285/0679
DESCRIPTION

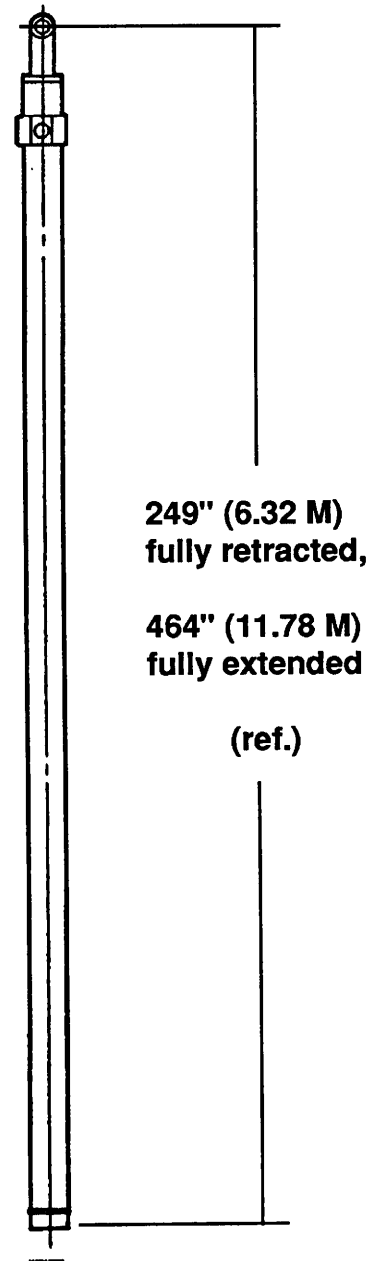
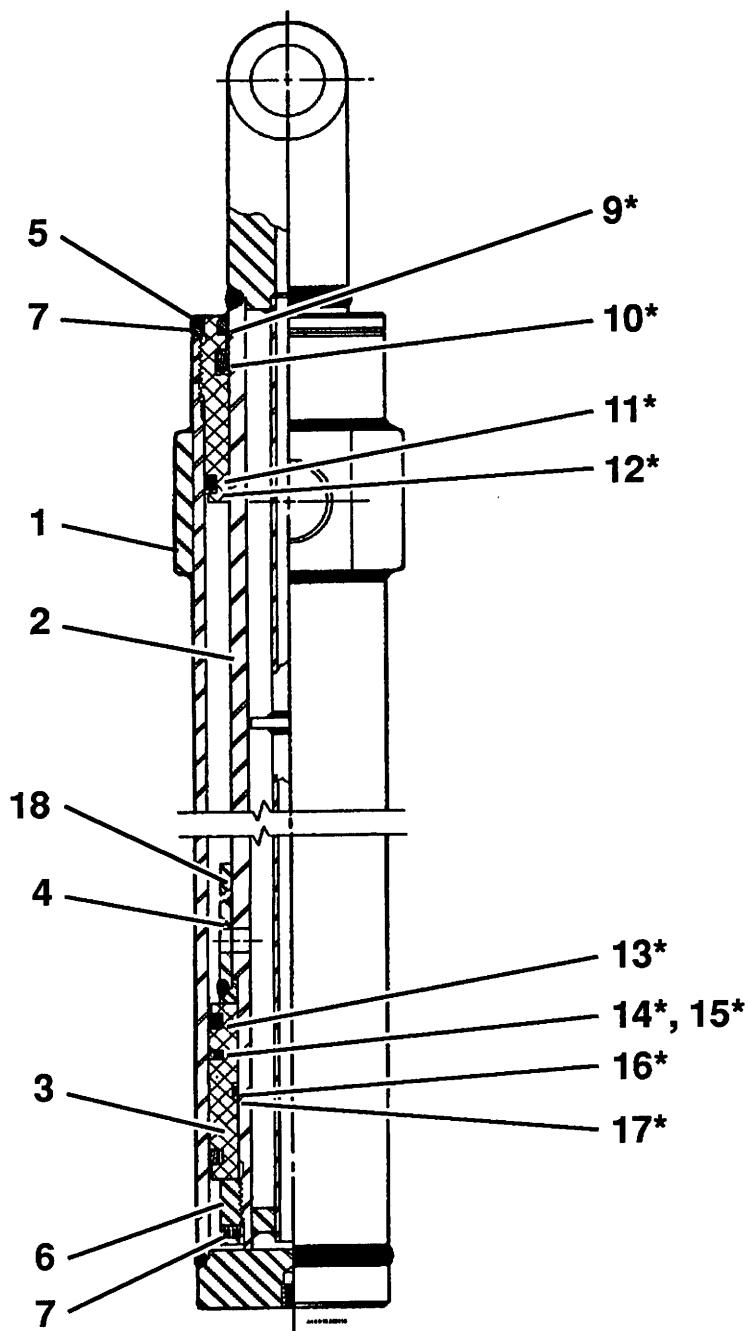
EXTEND CYLINDER

PART NO.

04-003600

[illegible]

PLATE NO.	D19.36	SIMON AERIALS INC.	NEW 05/02/91	PART NO.	04-011400-1
-----------	--------	--------------------	--------------	----------	-------------



TITLE TELESCOPE CYLINDER, TRUNNION MOUNT, 215" (5.46 M) STROKE

SIMON AERIALS INC.

NEW 05/02/91

PART NO. 04-011400-1

PLATE NO. D19.36

PARTS LIST

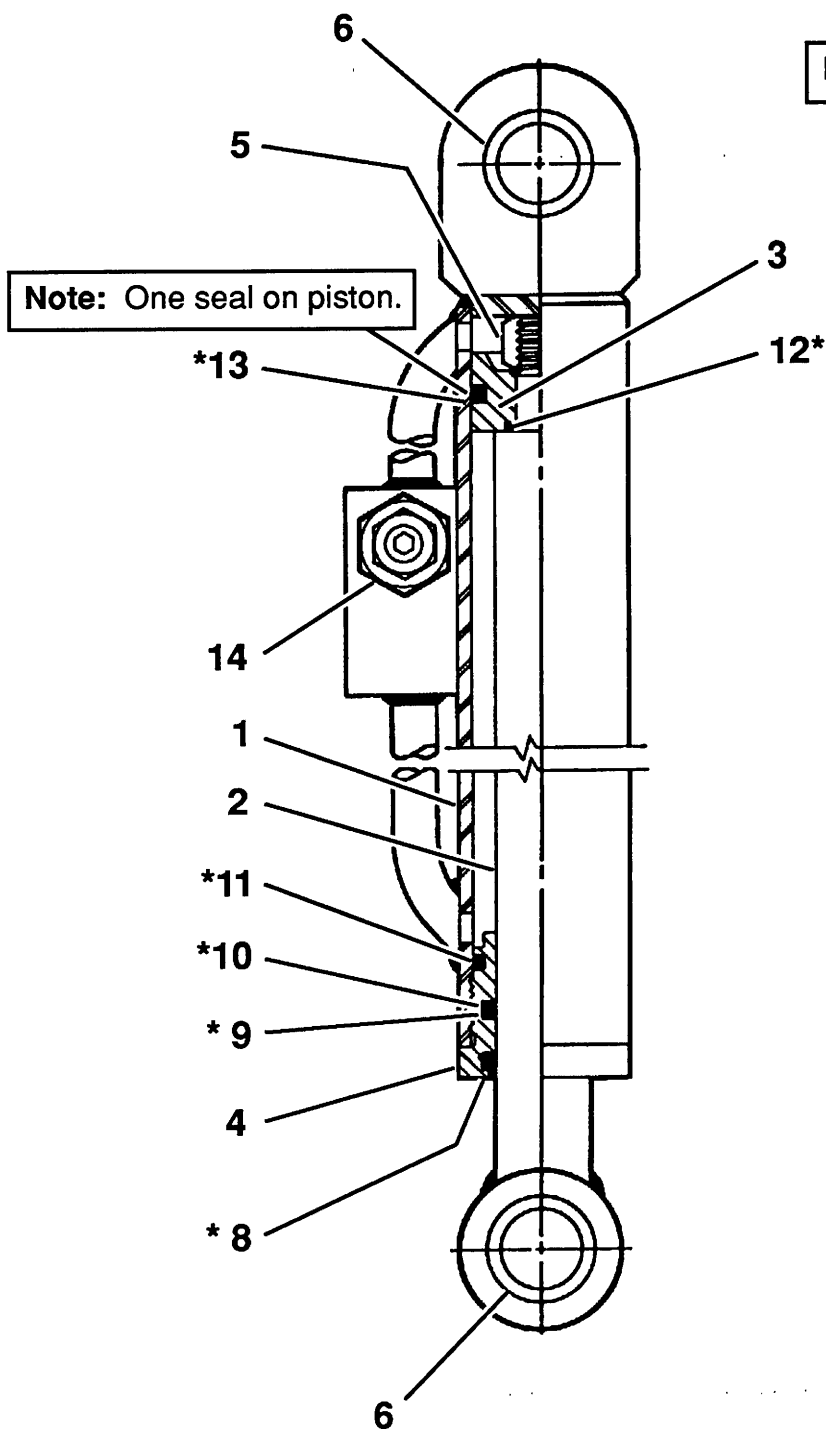
[illegible]

TITLE SLAVE LEVELING CYLINDER, 17.8" (.45 M) STROKE

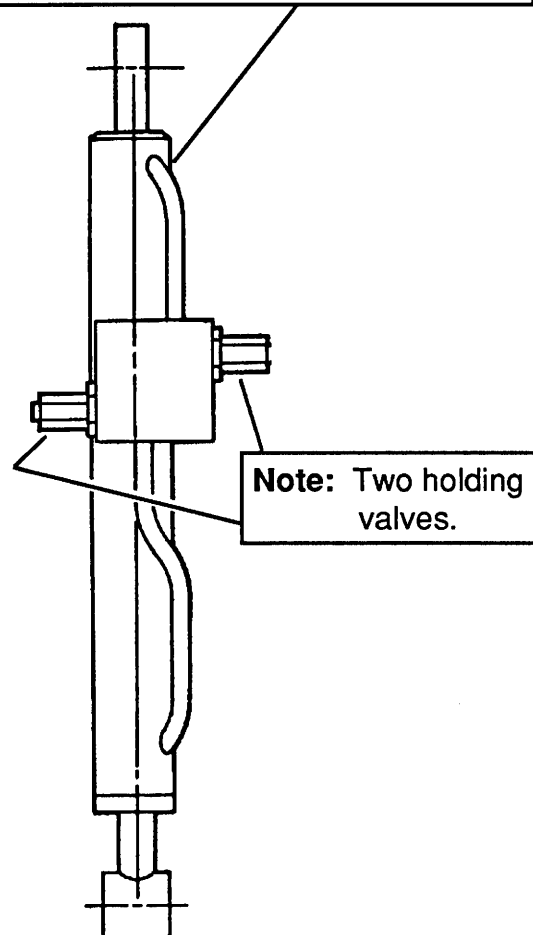
PLATE NO.	D20.02	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 05/02/91

PART NO. 04-007300



Note: No boss where tubes enter case.



Alt # D20 220519

TITLE SLAVE LEVELING CYLINDER, 17.8" (.45 M) STROKE

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

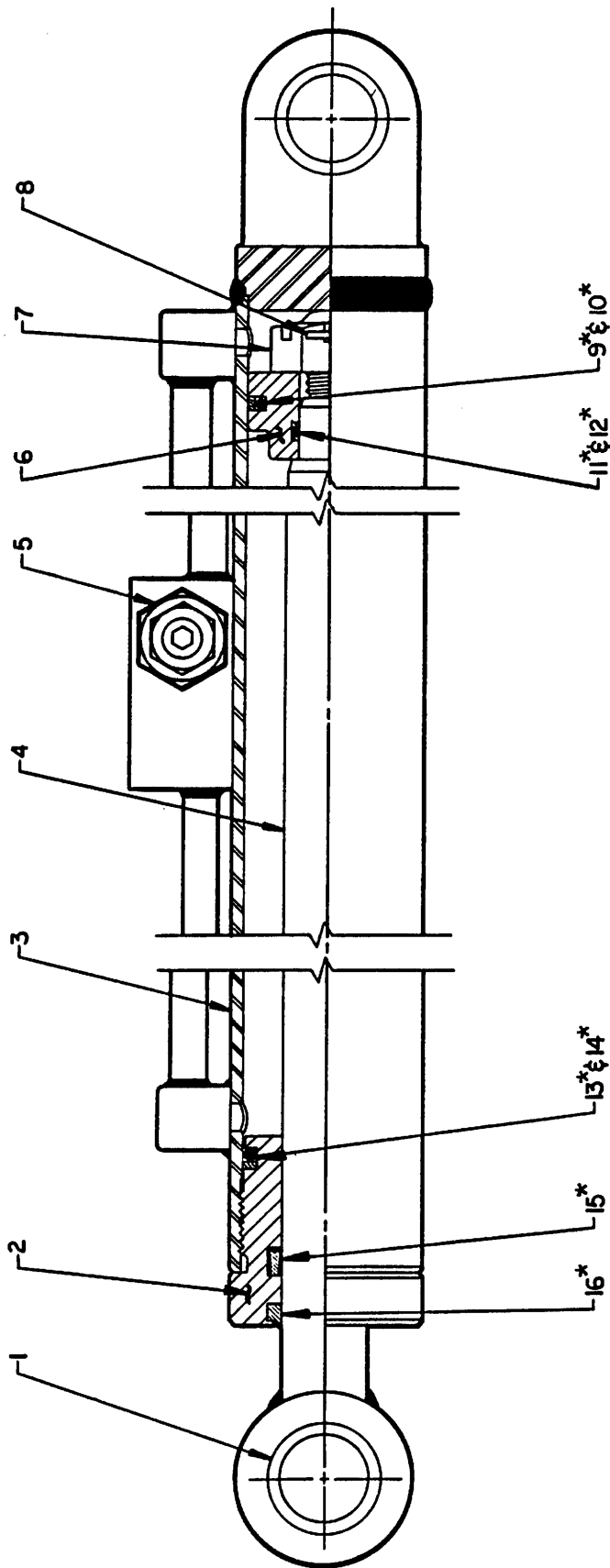
04-007300

PLATE
NO.

D20.02

PARTS LIST

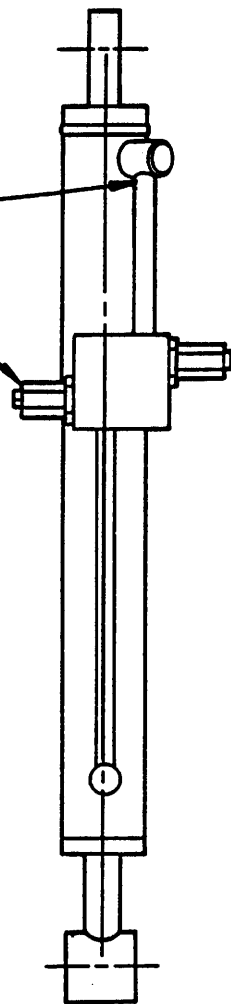
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			BUSHING	3
2			HEAD GLAND	1
3			CASE	1
4	04-002402		ROD	1
5	01-032500		HOLDING VALVE	2
6	04-002403		PISTON	1
7	04-001203		PISTON NUT	1
8			COTTER KEY	1
9*			'O' RING	1
10*			PISTON SEAL	1
11*			'O' RING	1
12*			BACK-UP RING	2
13*			'O' RING	1
14*			BACK-UP RING	1
15*			ROD SEAL	1
16*			WIPER	1
*	04-002401		SEAL KIT	1
DESCRIPTION			PART NO.	
SLAVE LEVELING CYLINDER			04-003300	



NOTE:

* SEAL KIT P/N 04-002401

TWO HOLDING VALVES
CASE TUBES W/BOSS



1184/0379

DESCRIPTION

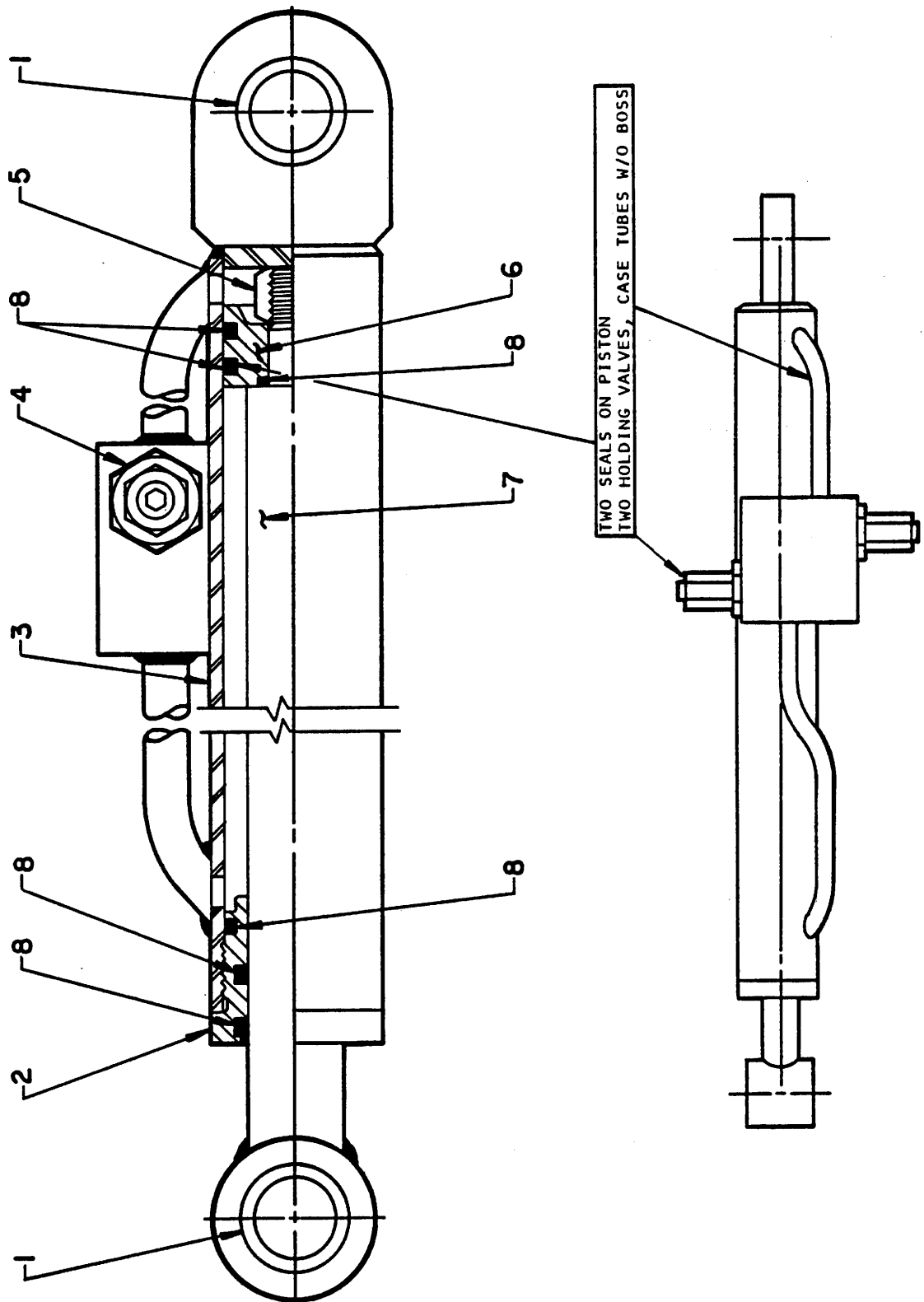
SLAVE LEVELING CYLINDER

PART NO.

04-003300

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-004502		BUSHING	3
2			HEAD GLAND	1
3			CASE	1
4	01-032500		HOLDING VALVE	2
5	04-004504		PISTON NUT	1
6	04-004503		PISTON	1
7	04-004501		ROD	1
8	04-004401		SEAL KIT	1
DESCRIPTION			PART NO.	
SLAVE LEVELING CYLINDER			04-004500	



1184/0881

DESCRIPTION

SLAVE LEVELING CYLINDER

PART NO.

04-004500

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04035400SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, LOCK	1
6	04-035401		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17			VALVE, COUNTERBALANCE	
	04-028302		Type 1 (Valve is stamped "CB-CG-LJN")	2
	01-227200		Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm ²)]	2
			Note: "Type 1" and "Type 2" valves are directly interchangeable, but must be replaced in pairs . When ordering a replacement valve, (2) of "Type 2" will be supplied unless otherwise specified.	
18	04-028303		SEAL KIT, COUNTERBALANCE VALVE (for "Type 1" Valve)	1
	01-227201		(for "Type 2" Valve)	1

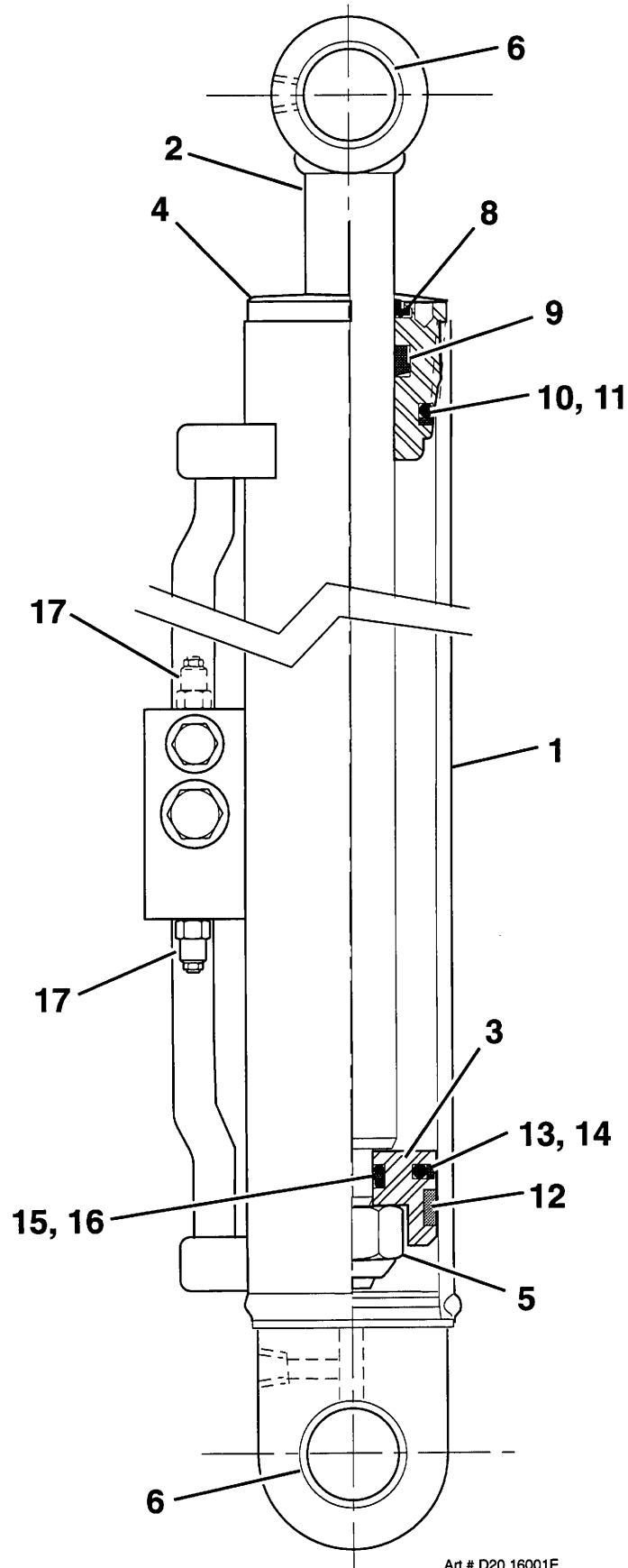
TITLE SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

PLATE NO. D20.16

SIMON AERIALS INC.

NEW 27 APR., 1994

PART NO. 04-035400



Art # D20.16001E

TITLE

SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

SIMON AERIALS INC.

NEW 27 APR., 1994

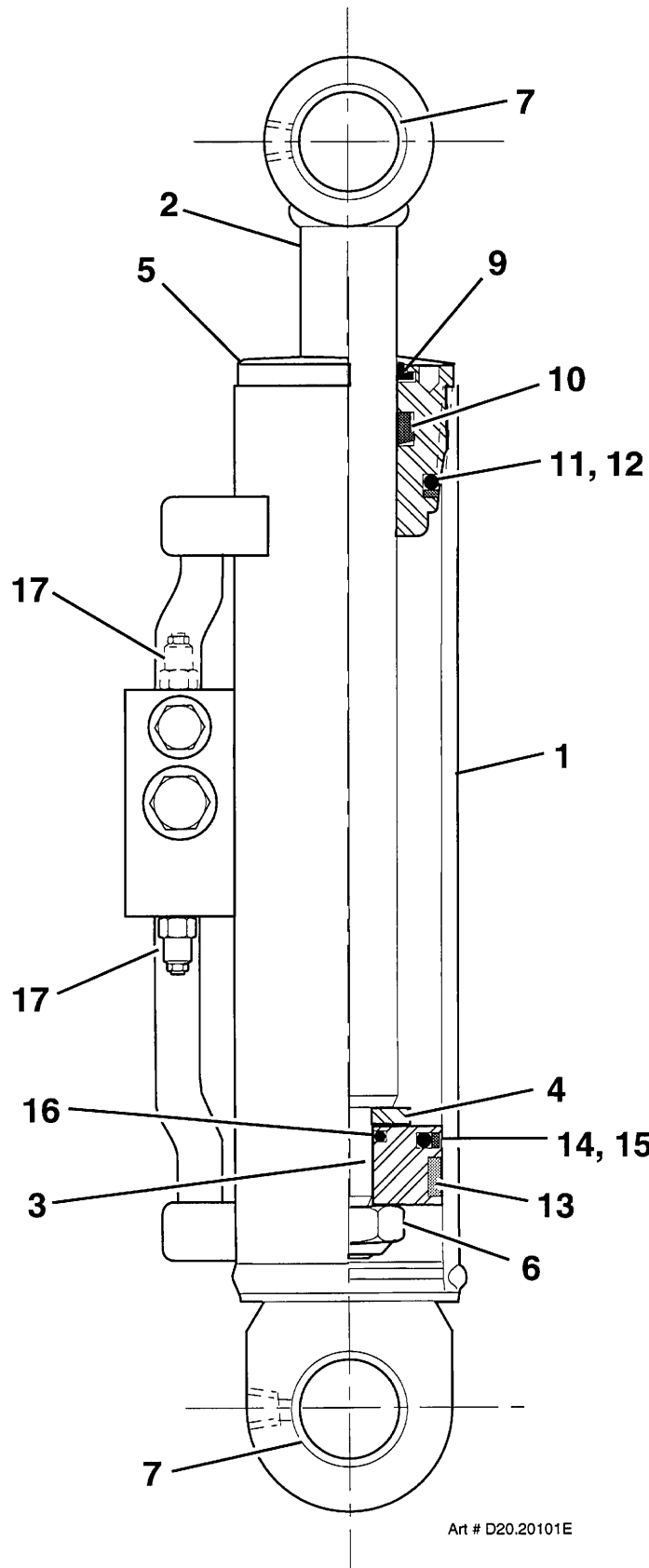
PART
NO.

04-035400

PLATE
NO.

D20.16

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04039000SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			SPACER	1
5			GLAND, HEAD	1
6			NUT, LOCK	1
7			BUSHING	4
8	04-039001		SEAL KIT	1
9			WIPER, ROD	1
10			SEAL, ROD	1
11			"O"-RING	1
12			RING, BACKUP	1
13			RING, PISTON WEAR	1
14			"O"-RING	1
15			SEAL, PISTON	1
16			"O"-RING	1
17	04-028302		VALVE, COUNTERBALANCE	
	01-227200		Type 1 (Valve is stamped "CB-CG-LJN")	2
			Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm ²)]	2
			Note: "Type 1" and "Type 2" valves are directly interchangeable, but must be replaced in pairs . When ordering a replacement valve, (2) of "Type 2" will be supplied unless otherwise specified.	
18	04-028303		SEAL KIT, COUNTERBALANCE VALVE	1
	01-227201		(for "Type 1" Valve)	1
			(for "Type 2" Valve)	
TITLE SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE				
PLATE NO.	D20.201	SIMON AERIALS INC.		PART NO. 04-039000
NEW 22 JUN., 1994				



Art # D20.20101E

TITLE

SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

SIMON AERIALS INC.

NEW 22 JUN., 1994

PART
NO.

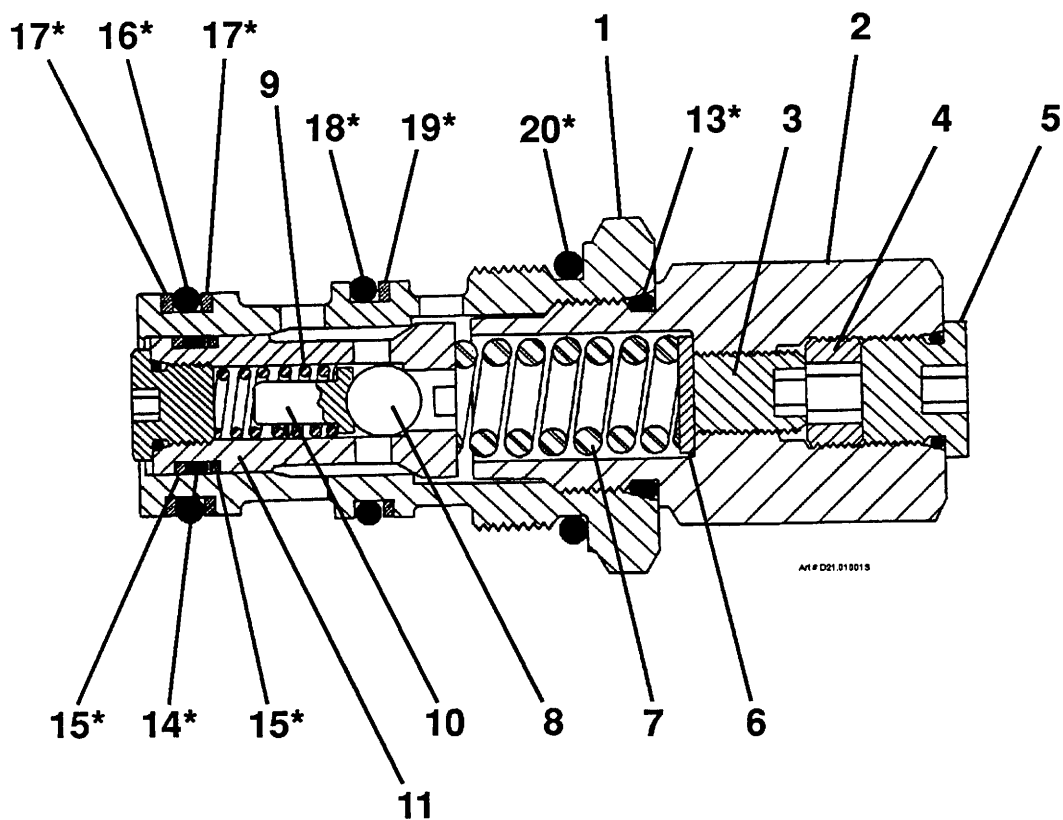
04-039000

PLATE
NO.

D20.201

[illegible]

PLATE NO.	D21.01	SIMON AERIALS INC.	REV. 05/02/91	PART NO.	01-032500
-----------	--------	--------------------	---------------	----------	-----------



TITLE

HOLDING VALVE, SLAVE LEVELING CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

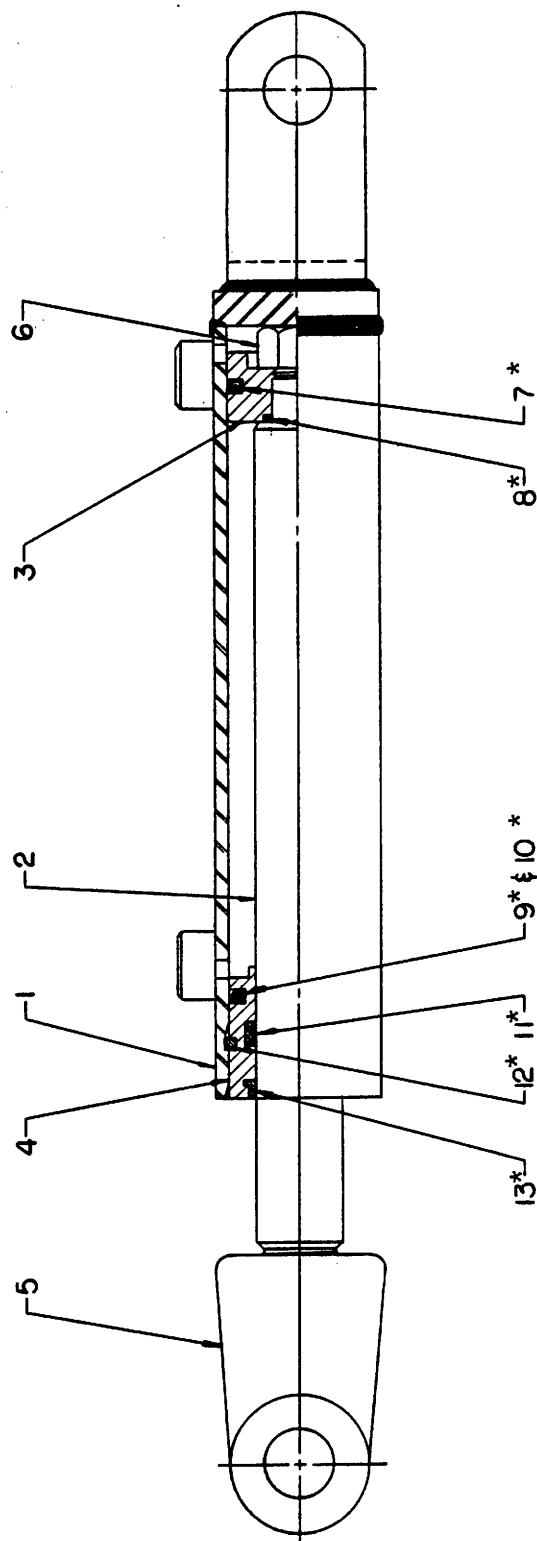
01-032500

PLATE
NO.

D21.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-003702		TUBE ASSEMBLY	1
2			ROD	1
3			PISTON	1
4	04-003403		GLAND	1
5			CLEVIS ASSEMBLY	1
6			LOCKNUT	1
7*			URETHANE SEAL ASSEMBLY	1
8*			'O' RING	1
9*			'O' RING	1
10*			BACKUP WASHER	1
11*			U CUP	1
12			SQ. RETAINING RING	1
13*	04-003701		WIPER	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
ROTATE CYLINDER			04-003700	



NOTE:

* SEAL KIT P/N 04-003701

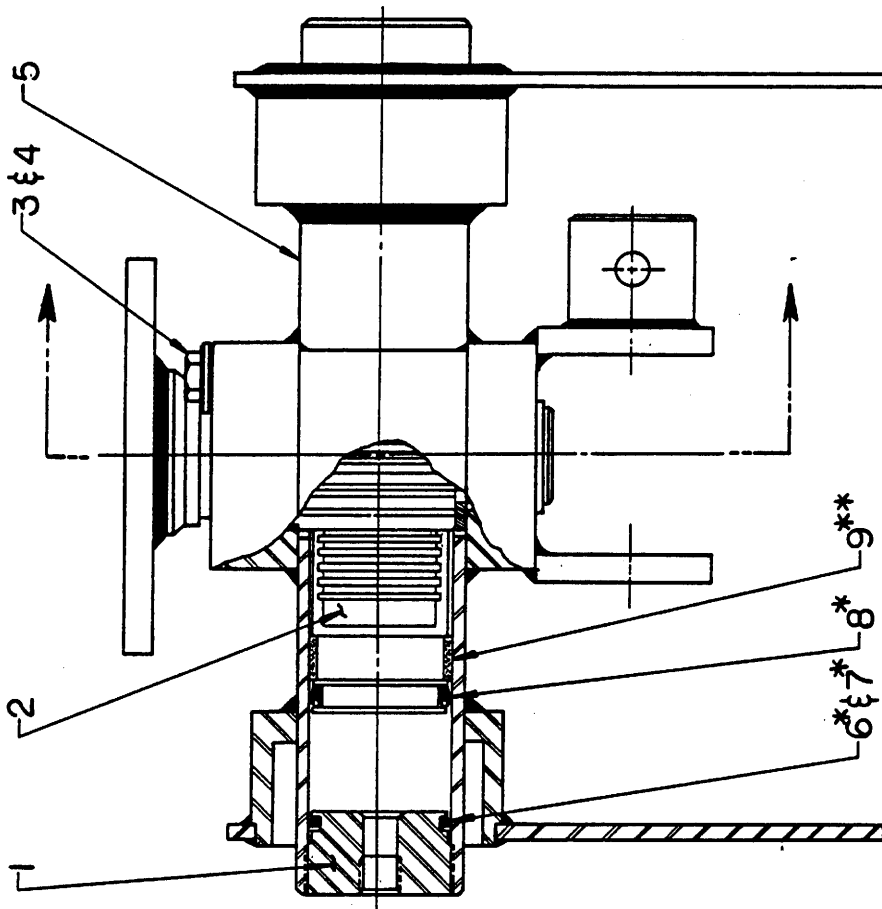
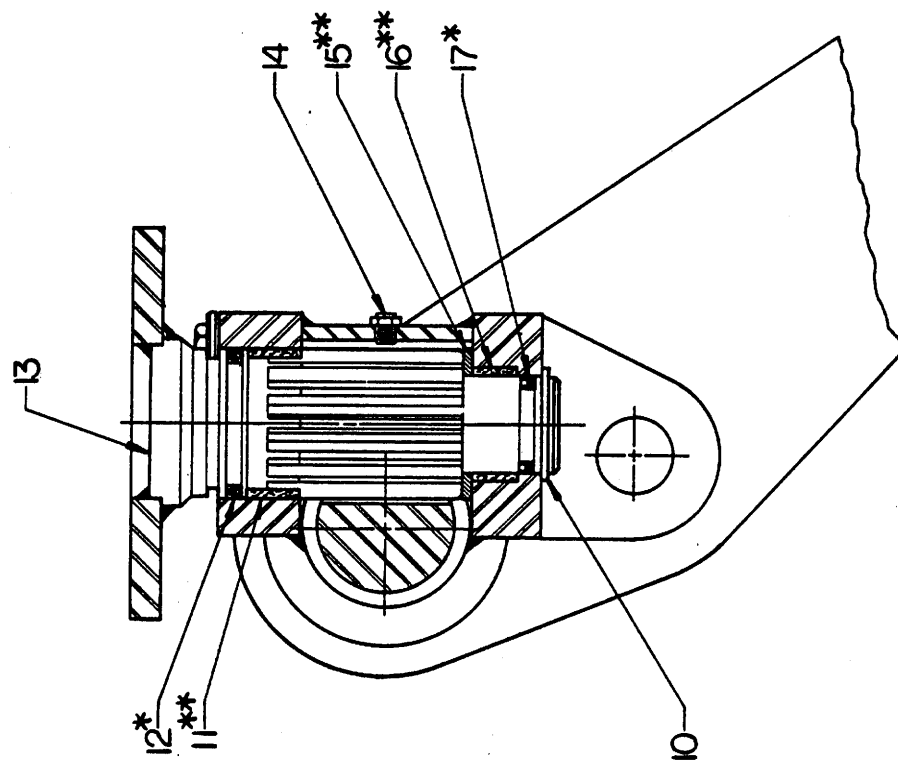
1283 / 1178
DESCRIPTION

ROTATE CYLINDER

PART NO.
04-003700

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	02-004904		END CAP	2
2			RACK	1
3			SAFETY BOLT	1
4			SAFETY WASHER	1
5*			HOUSING	1
6			"O"-RING	2
7*			BACK-UP RING	2
8*			RACK SEAL	2
9**			RACK WEARSTRIP	2
10			SNAP RING	1
11**			PINION SHAFT WEARSTRIP	1
12*			PINION SHAFT SEAL	1
13	02-04903		PINION	1
14			RELIEF VALVE	1
15**			THRUST RING	1
16**			PINION SHAFT WEARSTRIP	1
17*			PINION SHAFT SEAL	
*	02-004901		SEAL KIT	1
**	02-004902		BEARING KIT	1
DESCRIPTION			PART NO.	
PLATFORM ROTARY ACTUATOR			SDW-207045-4	



NOTE:
SEAL KIT P/ N 02-004901
BEARING KIT P/ N 02-004902

0584/0384

DESCRIPTION

PLATFORM ROTARY ACTUATOR

PART NO.

SDW-207045-4

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ACTUATOR ASSEMBLY, ROTARY (includes "Type 1" arms) ["Type 1" arms are 1" (25.4 mm) thick steel, and have a large cutout covered by metal plates on each side.]	1
	3523560		for MP series with "bent tip" boom	
	3523570		for MP series with "straight tip" boom	
	3525120		for MPN series with "bent tip" boom	
	3523580		for MPN series with "straight tip" boom	
			ACTUATOR ASSEMBLY, ROTARY (includes "Type 2" arms) ["Type 2" arms are 3/4" (19 mm) thick steel, and have a small cutout on the side which is not covered.]	1
	3530020		for MP series with "bent tip" boom	
	3530030		for MP series with "straight tip" boom	
	3530040		for MPN series with "straight tip" boom	
1	02-010600		ACTUATOR ASSEMBLY, ROTARY (without arms)	1
2	02-010605		HOUSING, ROTARY ACTUATOR	1
3	02-010612		CAP, END	2
4	02-010609		RACK	1
5	02-010607		SHAFT, PINION	1
6	02-010604		WASHER	4
7	02-010603		BEARING, NEEDLE	2
8	02-010608		SNAP RING	1
9			BOLT, SAFETY	1
10			WASHER, SAFETY	1
11	02-010606		VALVE, RELIEF	1
12			SEAL KIT	
	02-010601		for actuators with serial number below 13233.	1
	02-010610		for actuators with serial number 13233 and up. Note: These seal kits not for water-glycol fluid. Items in seal kit are identified by asterisk (*).	1
13			"O"-RING	2
14			RING, BACK-UP	2
15			SEAL, RACK	2
16			SEAL, PINION SHAFT (upper)	1
17			SEAL, PINION SHAFT (lower)	1
18			BEARING KIT	
	02-010602		for actuators with serial number below 13233.	1
	02-010611		for actuators with serial number 13233 and up. Note: Items in kit identified by double asterisk (* *).	1
19			WEAR STRIP, RACK	2
20			WEAR STRIP, PINION SHAFT	1

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

PLATE NO.

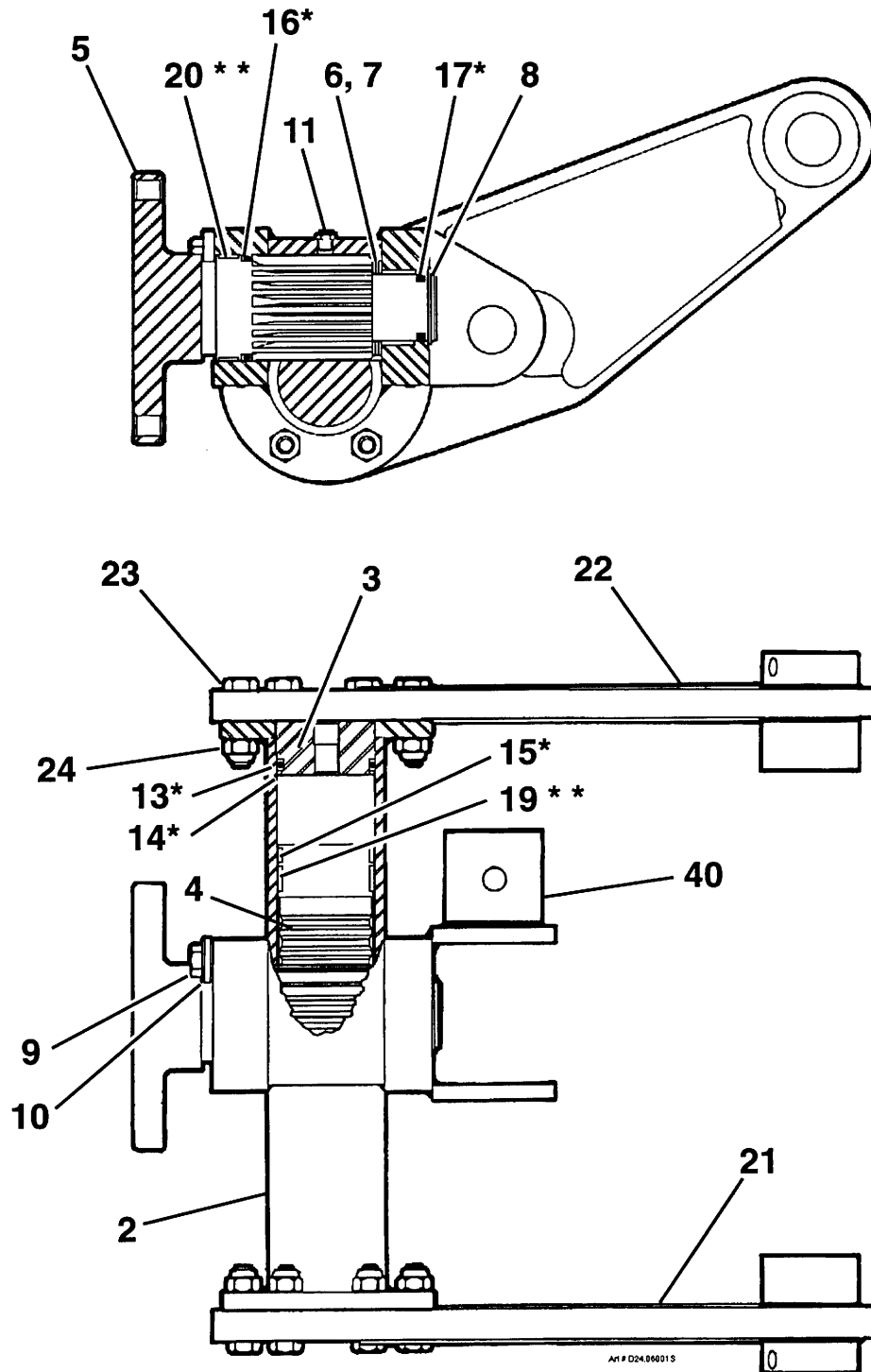
D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART NO.

02-010600



TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 22 NOV., 1994
THIS SHEET ONLY

PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST

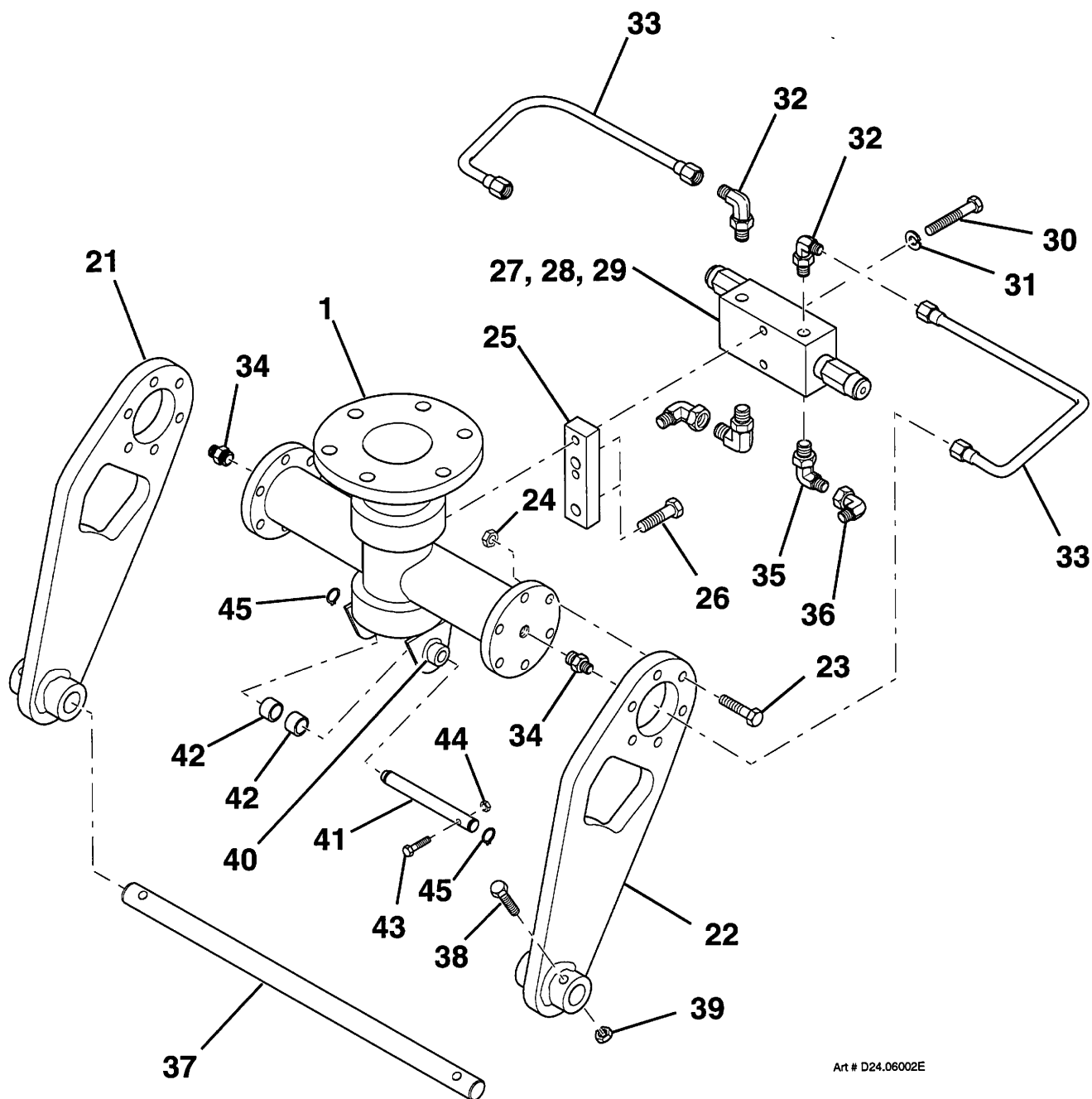
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21			ARM, ROTARY ACTUATOR (right) ("Type 1") ["Type 1" arms are 1" (25.4 mm) thick steel, and have a large cutout covered by metal plates on each side.]	
			Note: "Type 1" arms are illustrated on previous page.	1
	2103090		MP series with "bent tip" boom	1
	2109500		MP series with "straight tip" boom	1
	2103330		MPN series with "bent tip" boom	1
	2109590		MPN series with "straight tip" boom	1
			ARM, ROTARY ACTUATOR (right) ("Type 2") ["Type 2" arms are 3/4" (19 mm) thick steel, and have a small cutout on the side which is not covered.]	
			Note: "Type 2" arms are illustrated on facing page.	1
	2199260		MP series with "bent tip" boom	1
	2300660		MP series with "straight tip" boom	1
	2191370		MPN series with "straight tip" boom	1
22			ARM, ROTARY ACTUATOR (left) ("Type 1") ["Type 1" arms are 1" (25.4 mm) thick steel, and have a large cutout covered by metal plates on each side.]	
			Note: "Type 1" arms are illustrated on previous page.	1
	2103010		MP series with "bent tip" boom	1
	2109510		MP series with "straight tip" boom	1
	2103320		MPN series with "bent tip" boom	1
	2109580		MPN series with "straight tip" boom	1
			ARM, ROTARY ACTUATOR (left) ("Type 2") ["Type 2" arms are 3/4" (19 mm) thick steel, and have a small cutout on the side which is not covered.]	
			Note: "Type 2" arms are illustrated on facing page.	1
	2199270		MP series with "bent tip" boom	1
	2300670		MP series with "straight tip" boom	1
	2191380		MPN series with "straight tip" boom	1

TITLE PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

PLATE NO.	D24.06	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 02 MAY. 1994

PART NO. 02-010600



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	07-003090		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5. For "Type 1" arm)	12
	07-003089		(1/2"-13 x 2", Grade 5. For "Type 2" arm)	12
24	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	12
25	2111850		SPACER, RELIEF/ CHECK VALVE MOUNTING	1
26	07-008043		CAP SCREW, SOCKET HEAD (3/8"-16 x 3/4", Grade 8)	2
27	01-202000		MANIFOLD, RELIEF/ CHECK VALVE	1
28	01-202001		CARTRIDGE, RELIEF VALVE	1
29	01-202002		CARTRIDGE, CHECK VALVE	1
30	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
31	07-065016		WASHER, HELICAL LOCK (3/8")	2
32	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
33	3530460		TUBE ASSEMBLY	2
34	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	2
35	06-044400		90° ELBOW, STRAIGHT THREAD (4-66 C50X-S)	2
36	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2
37			PIN, PLATFORM PIVOT (1-1/4" x 20")	
	2102940		except Canada	1
	2194480		CSA standards	1
38	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
39	07-050016		NUT, HEX LOCK (3/8"-1, Grade 5)	2
40	2080459		TUBE, PIN RETAINER	1
41			PIN, SLAVE CYLINDER (Rod end) (1-1/4" x 4-7/8")	
	2068884		except Canada	1
	2194500		CSA standards	1
42	2068444		SPACER, SLAVE CYLINDER	2
43	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
44	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
45	08-040700		RING, SNAP (1-1/4")	2

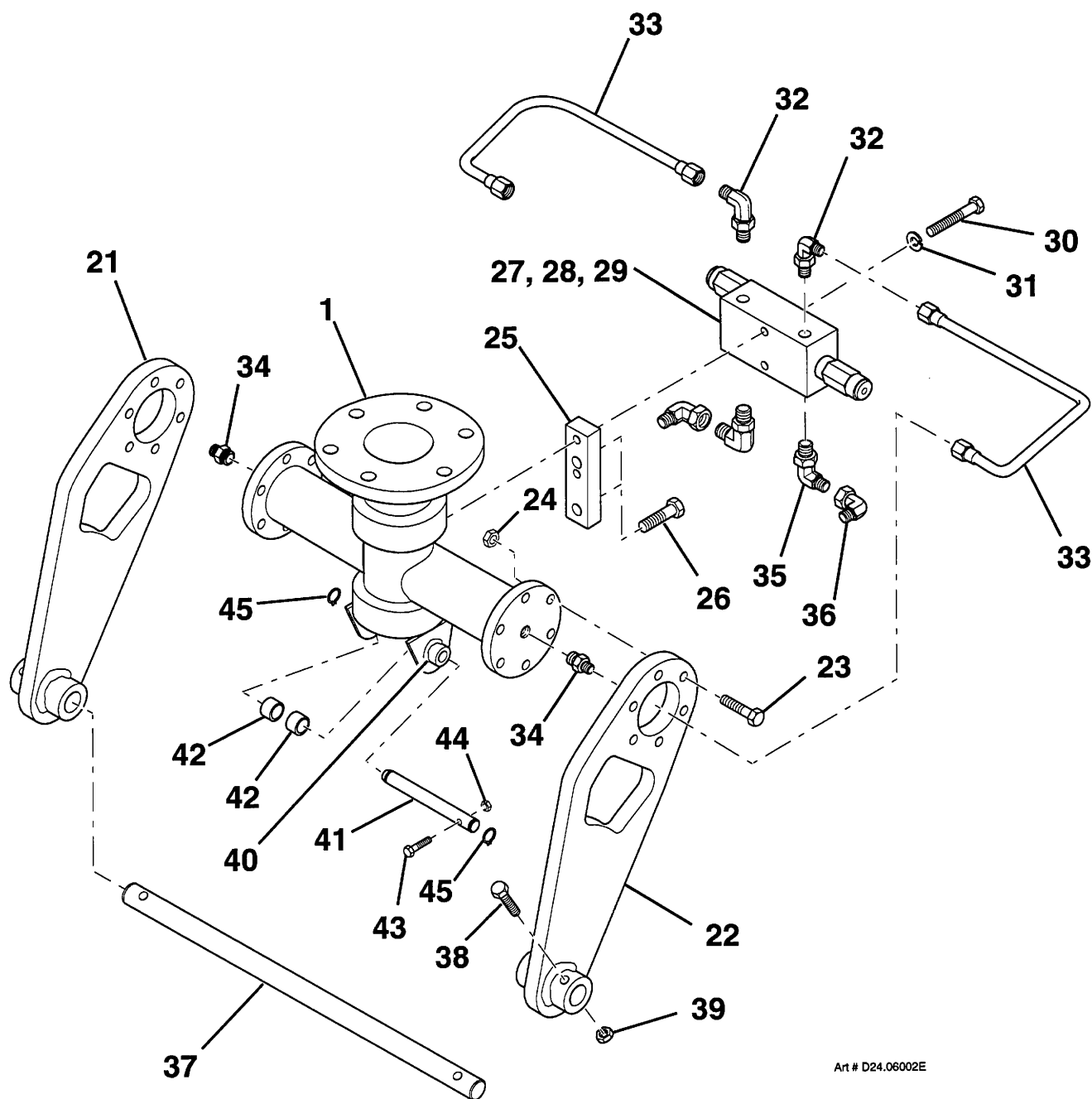
TITLE PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)

PLATE NO. D24.06

SIMON AERIALS INC.

REV. 22 NOV., 1994
THIS SHEET ONLY

PART NO. 02-010600



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600

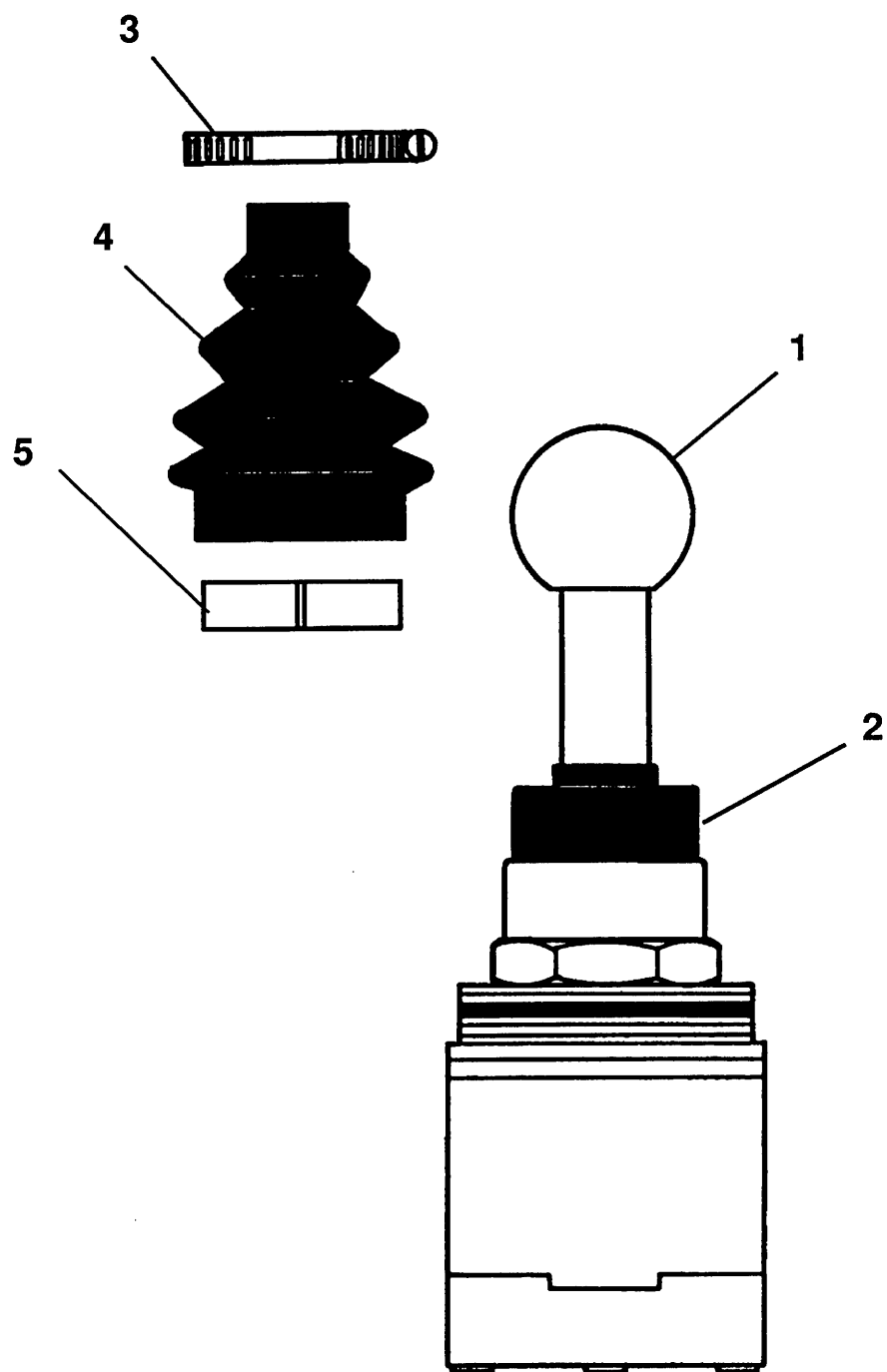
PLATE
NO.

D24.06

[illegible]

JOYSTICK CONTROLLER (5 POSITION)

03-021800



TITLE

JOYSTICK CONTROLLER (5 POSITION)

SIMON AERIALS INC.

REV. 08/08/91

PART
NO.

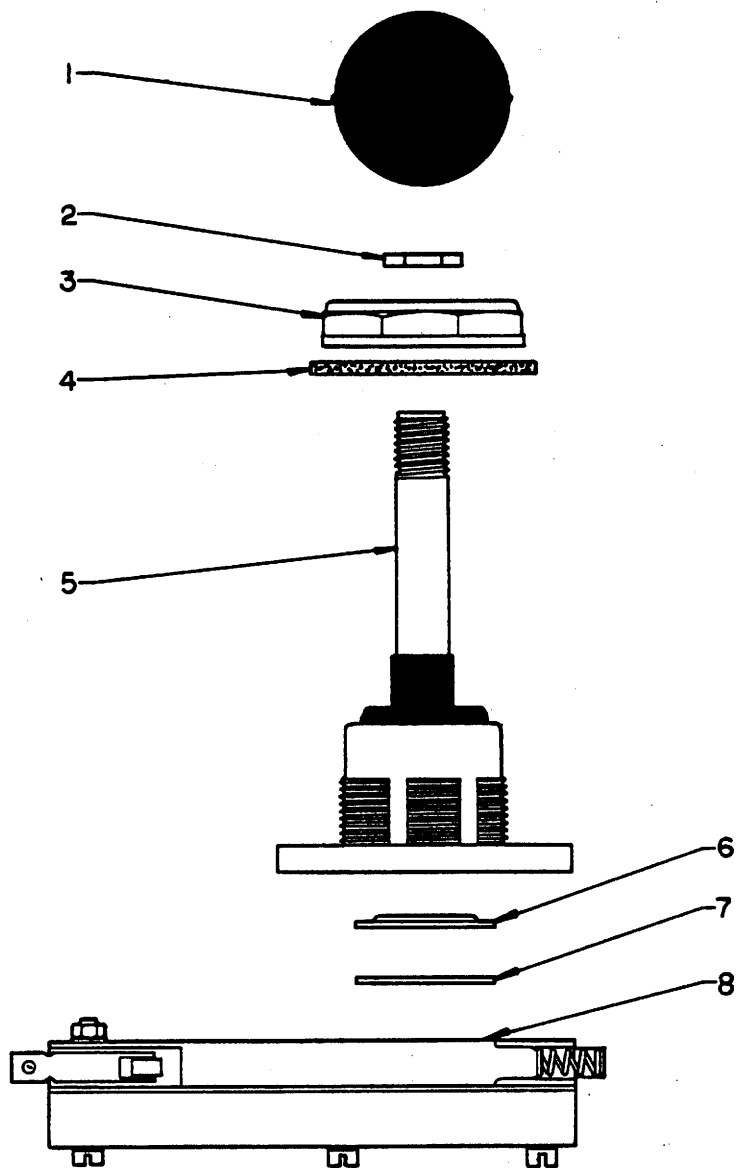
03-021800

PLATE
NO.

E01.03

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-061601		KNOB	1
2			JAM NUT	1
3			RETAINING NUT	1
4			GASKET	1
5			HANDLE	1
6			COMMON GATE	1
7			POSITION GATE (8 POSITION)	1
8			MECHANISM	1
DESCRIPTION			JOYSTICK (8 POSITION)	PART NO. 03-061600



0784 / 0983

DESCRIPTION

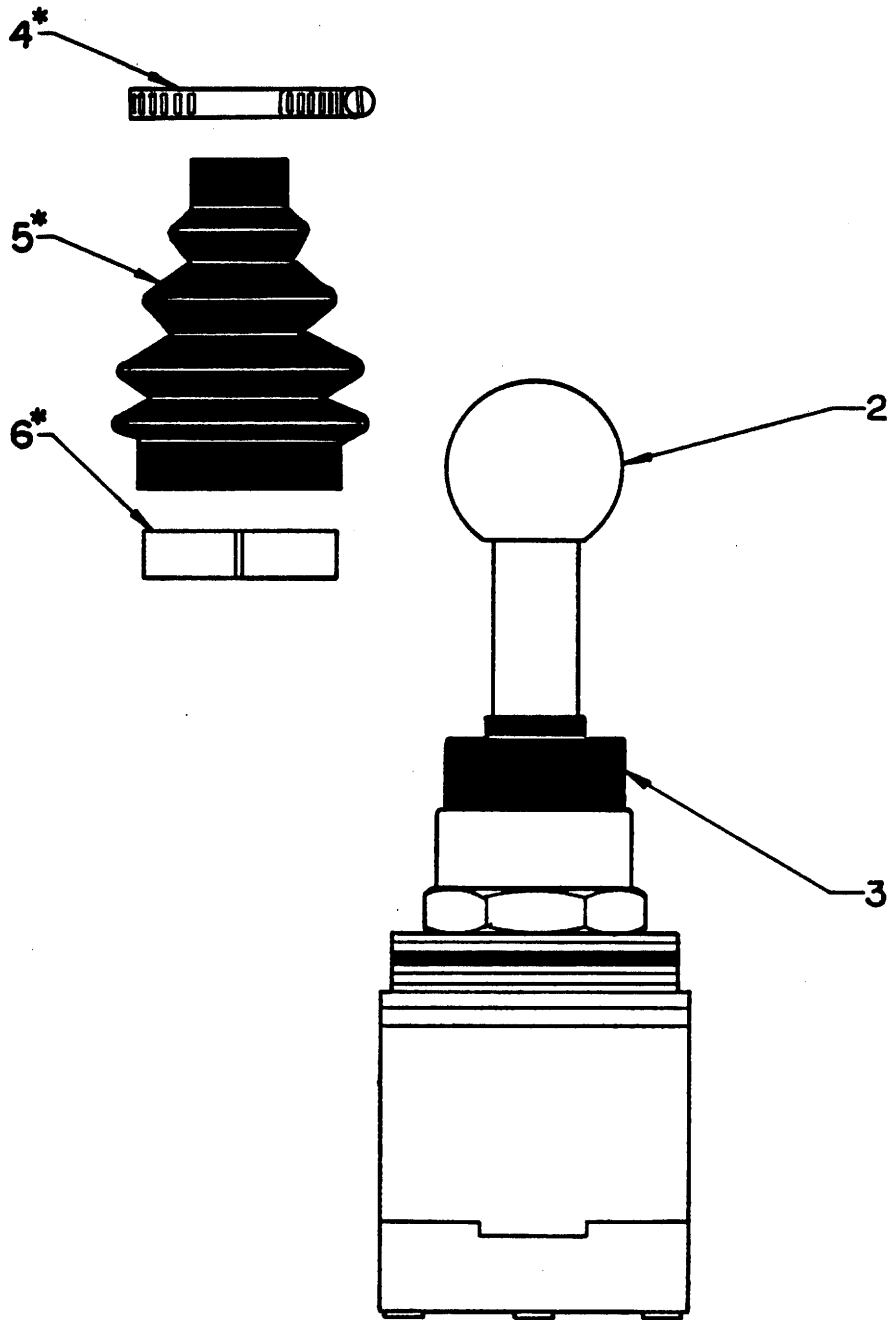
JOYSTICK (8 POSITION)

PART NO.

03-061600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1				
2	03-021801		KNOB	1
3	03-021802		BOOT	1
4			BOOT CLAMP (OPTIONAL)	1
5	03-022702		BOOT W/CLAMP (OPTIONAL)	1
6	SAD-200183-8		RING (OPTIONAL)	1
DESCRIPTION			PART NO.	
JOYSTICK CONTROLLER (3 POSITION)			03-021900	



*
OPTIONAL

1084/0677

DESCRIPTION

JOYSTICK CONTROLLER (3 POSITION)

PART NO.

03-021900

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CONTROLLER ASSEMBLY, JOYSTICK	
	03-027400		Telescope function (supercedes 03-027202)	1
	03-027500		Lift function (supercedes 03-027204)	1
	03-027600		Swing function (supercedes 03-027205)	1
	03-027700		Drive function (supercedes 03-027203)	1
	03-027202		Telescope function (superceded by 03-027400)	1
	03-027204		Lift function (superceded by 03-027500)	1
	03-027205		Swing function (superceded by 03-027600)	1
	03-027203		Drive function (superceded by 03-027700)	1
2			HOUSING, JOYSTICK CONTROLLER	
	03-027226		for Drive or Telescope controller	1
	03-027227		for Lift or Swing controller	1
3			GROMMET, LATHE CUT (not shown)	1
4			MACHINE SCREW, PAN HEAD	4
5			RECEPTACLE, MS	1
6			GASKET, MS CONNECTOR	1
7	03-027230		HANDLE, CONTROL	1
8			PIN, GROOVED	1
9			BEARING	1
10			"O"-RING	1
11	03-027207		HANDLE ASSEMBLY [includes all items with dagger (†)]	1
12	03-027235		EXTENSION, CONTROL HANDLE	1
13			PIN, GROOVED	1
14	03-027218		PIN, GROOVED	1
15	03-027221		SLIDE LOCK, CONTROL HANDLE	1
16	03-027215		SPRING, SLIDE LOCK	1
17	03-027219		SLEEVE, HANDLE	1
18			NUT, HEX	1
19	03-027220		KNOB, BALL	1

TITLE

JOYSTICK CONTROLLER (PLATE 1 OF 2)

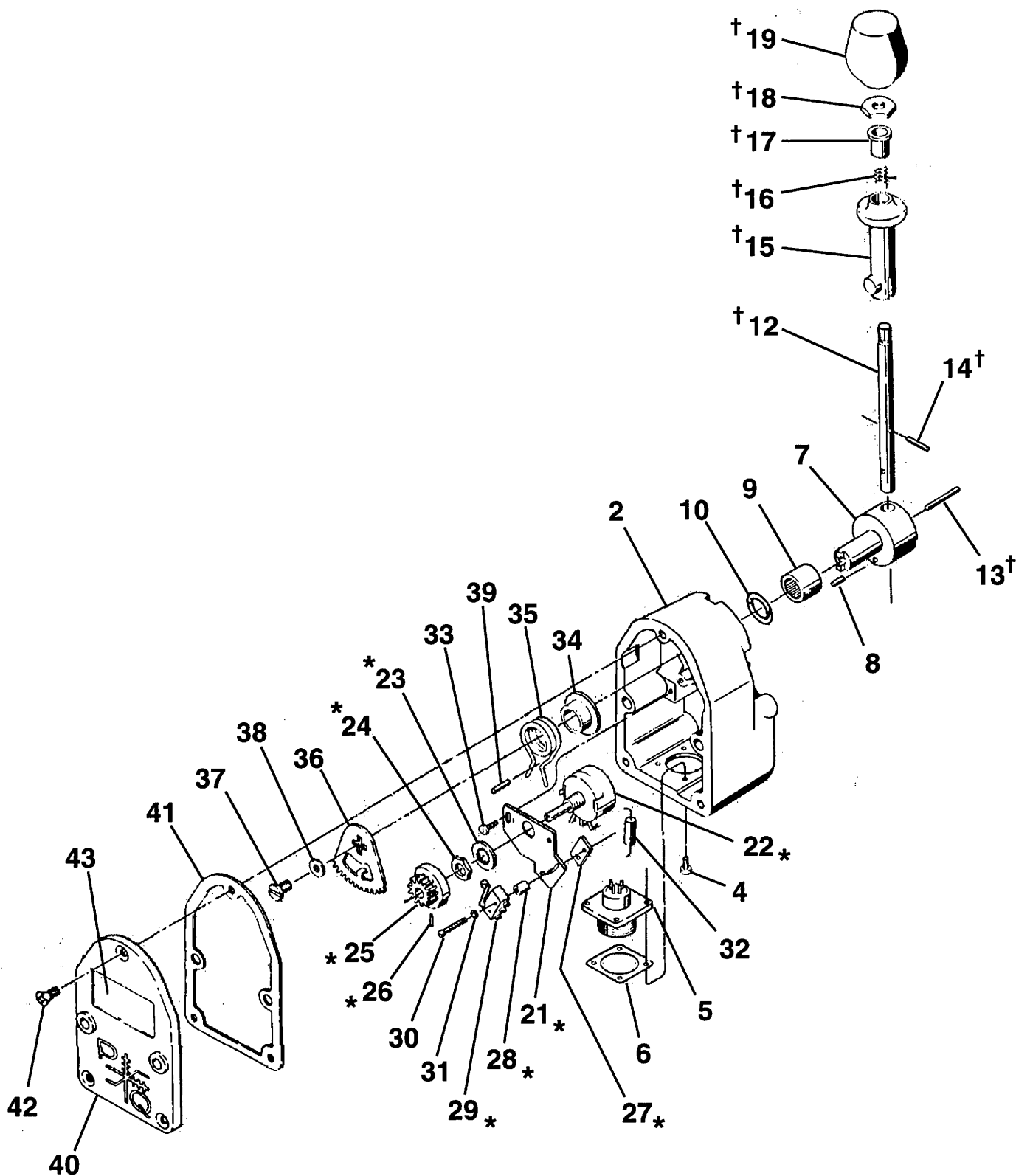
PLATE NO.

E01.06

SIMON AERIALS INC.

REV. 26 APR., 1993

PART NO.



0485 / 0385

TITLE

JOYSTICK CONTROLLER (PLATE 1 OF 2)

SIMON AERIALS INC.

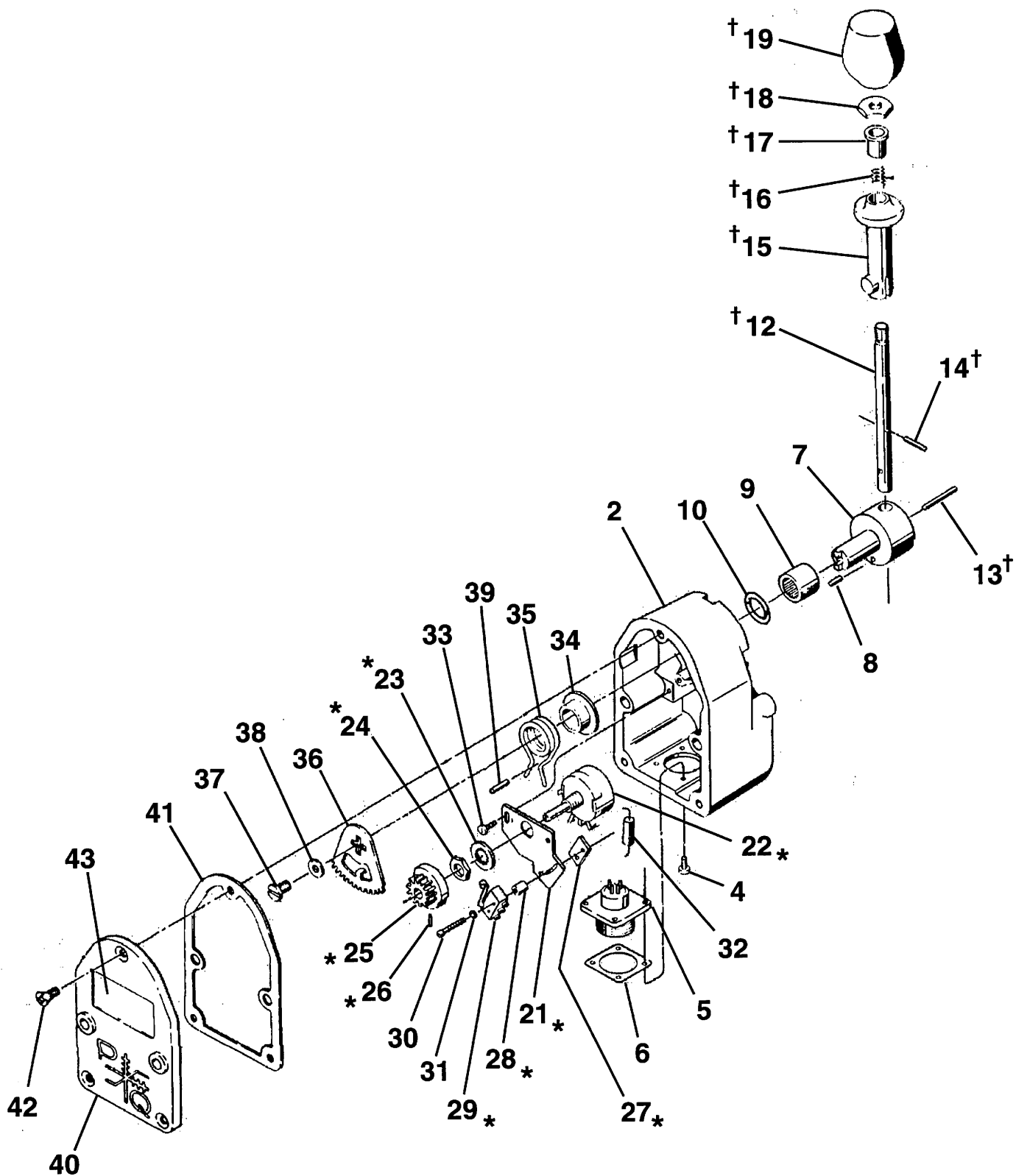
REV. 26 APR., 1993

PART
NO.

PLATE
NO.

E01.06

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20			ELECTRICAL ASSEMBLY [all items with asterisk (*)]	1
	03-027208		for Telescope controller	1
	03-027209		for Drive controller	1
	03-027210		for Lift controller	1
	03-027211		for Swing controller	1
21			PLATE, POTENTIOMETER MOUNTING	1
22	03-027231		POTENTIOMETER	1
23			LOCK WASHER, INTERNAL TOOTH	1
24			NUT, HEX	1
25			SPUR GEAR AND CAM	1
26			SET SCREW, HEX SOCKET	1
27			PLATE, FASTENER	1
28			SPACER	2
29	03-027217		SWITCH, ROLLER LEVER	1
30			MACHINE SCREW, FILLISTER HEAD	2
31			LOCK WASHER	2
32			RESISTOR	1
33			MACHINE SCREW, FILLISTER HEAD	1
34			GUIDE, SPRING	1
35	03-027232		SPRING, TORSION	1
36			SECTOR, GEAR	1
37			MACHINE SCREW, PAN HEAD	1
38			WASHER, FLAT (SAE)	1
39			PIN, GROOVED	1
40			COVER, END (for Drive or Telescope controller only)	1
41	03-027228		GASKET, HOUSING	1
42			MACHINE SCREW, FLAT HEAD	3
43			TAG, IDENTIFICATION	1
TITLE JOYSTICK CONTROLLER (PLATE 2 OF 2)				
PLATE NO.	E01.06	SIMON AERIALS INC.		PART NO.
REV. 26 APR., 1993				



0485 / 0385

TITLE

JOYSTICK CONTROLLER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

PLATE
NO. E01.06

PARTS LIST

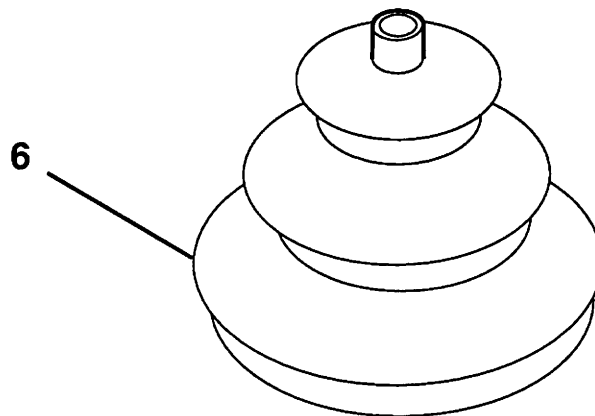
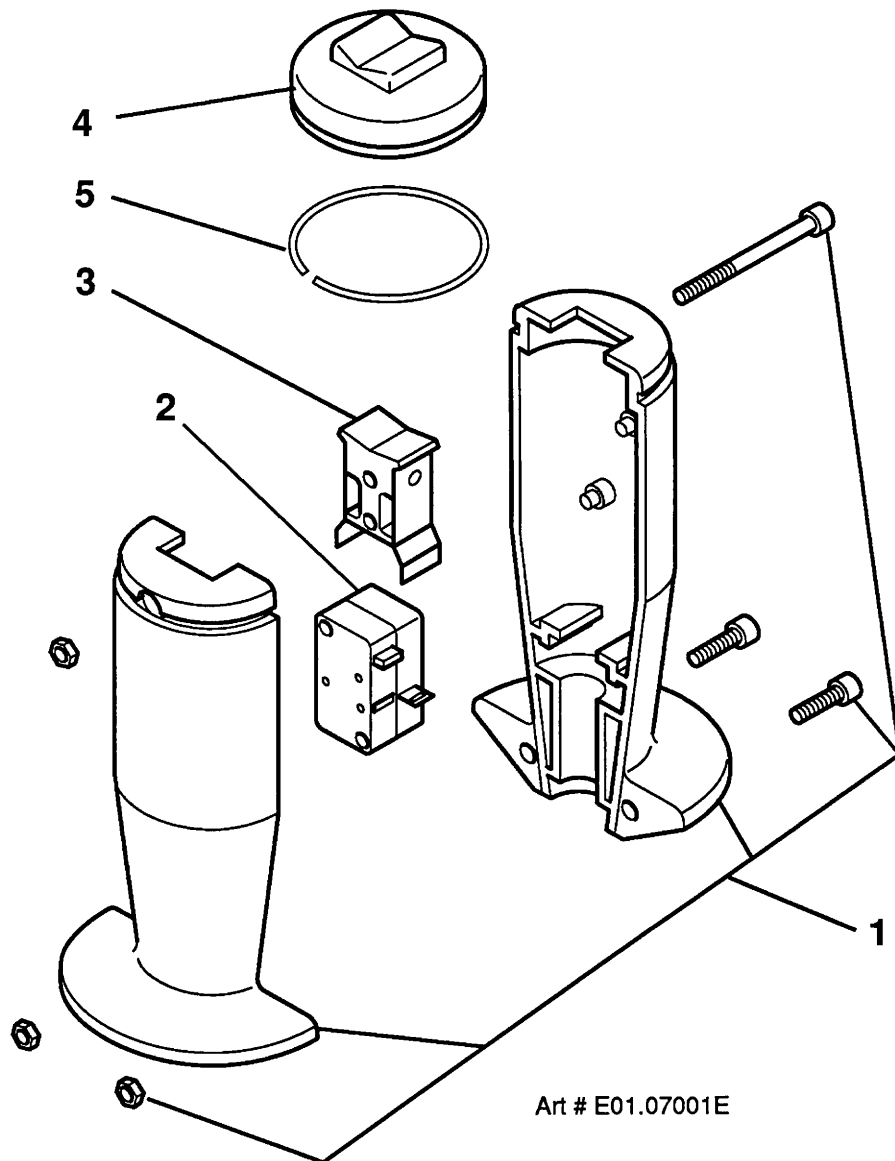
[illegible]

TITLE DRIVE CONTROL HANDLE ASSEMBLY

PLATE NO. E01.07	SIMON AERIALS INC.
------------------	---------------------------

REV. 18 FEB., 1993

PART NO. 03-402200



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 18 FEB., 1993

PART
NO.

03-402200

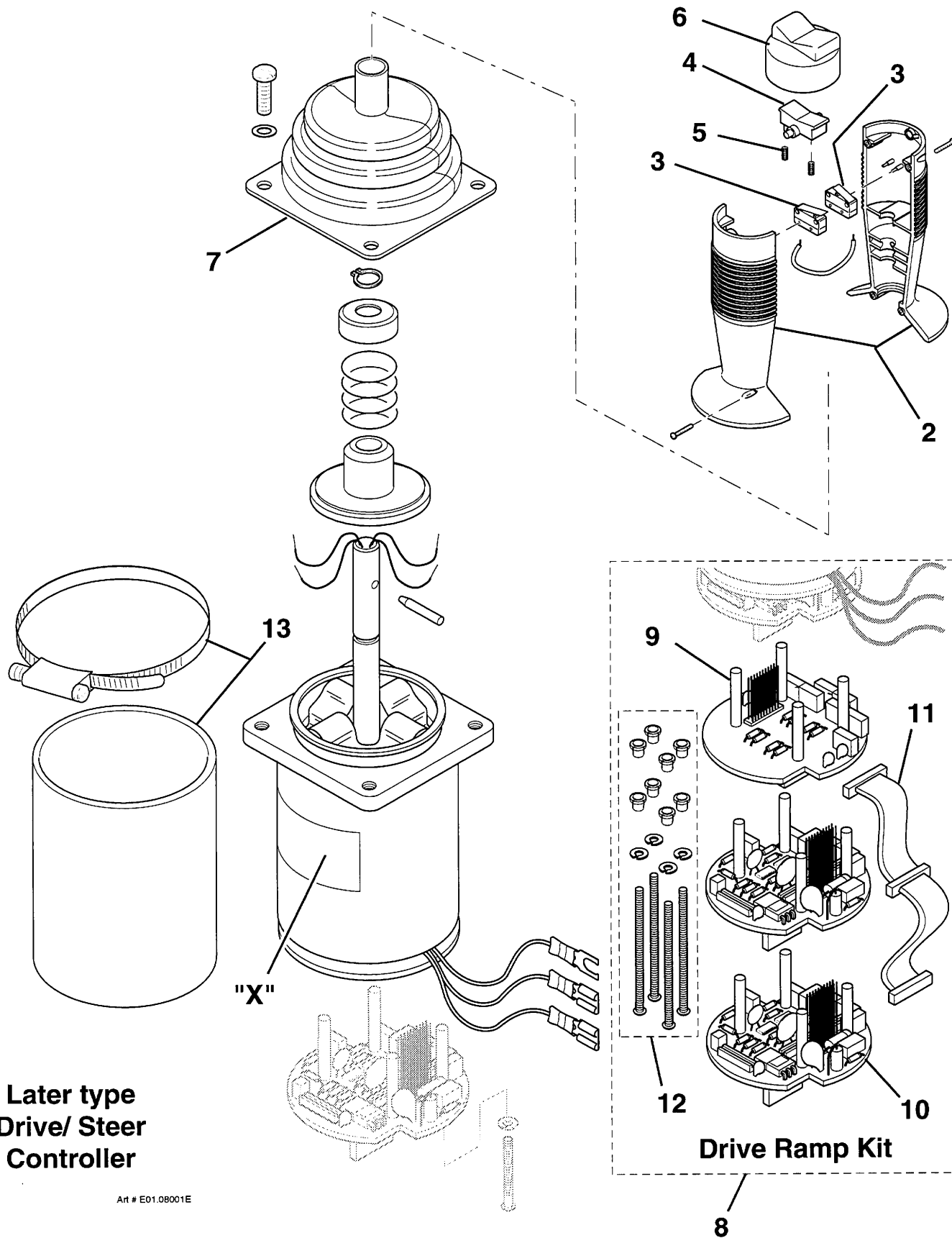
PLATE
NO.

E01.07

[illegible]

PLATE NO.	E01.08	SIMON AERIALS INC.
-----------	--------	--------------------

PART
NO.



TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

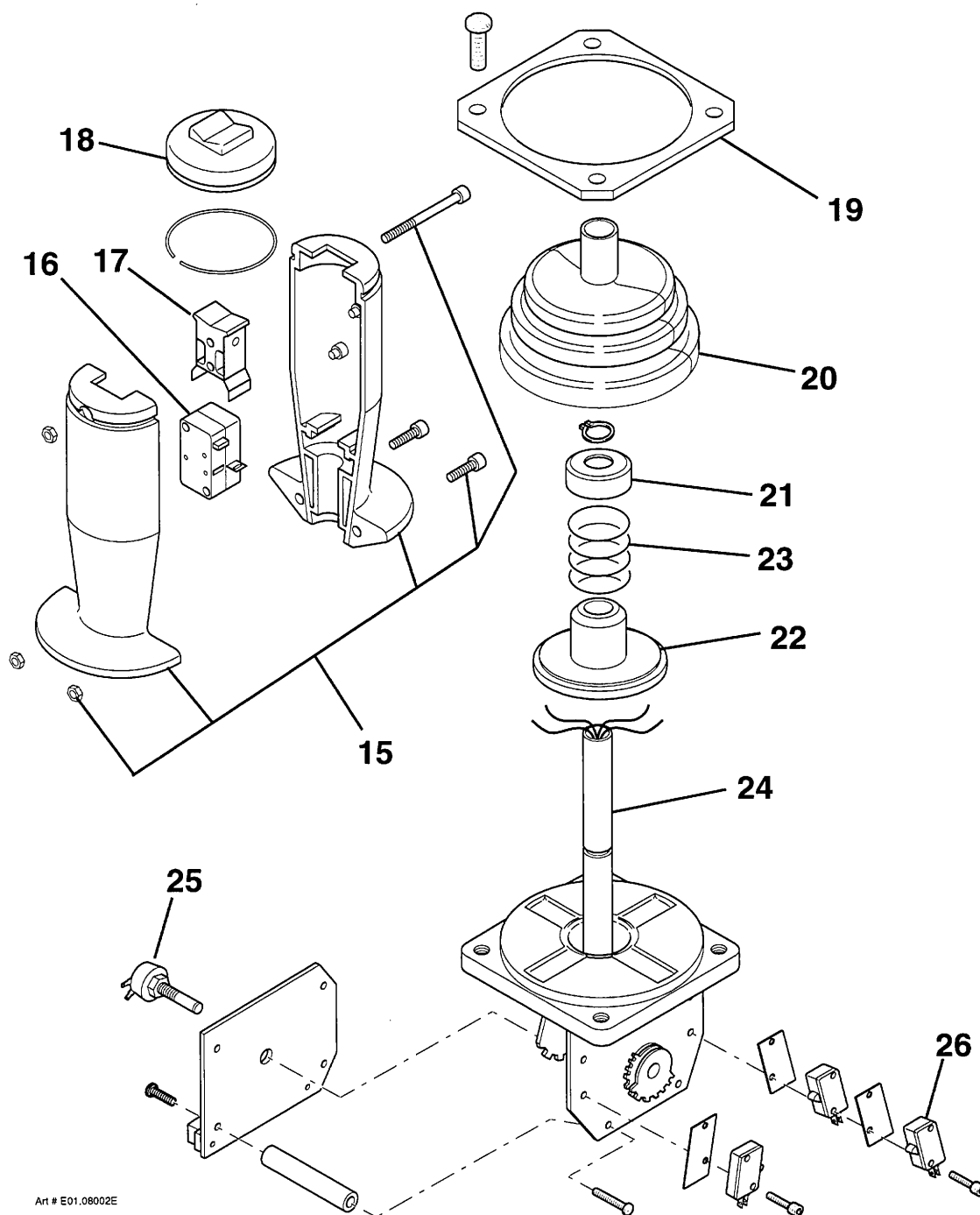
PART
NO.

PLATE
NO. E01.08

[illegible]

PLATE NO.	E01.08	SIMON AERIALS INC.
-----------	--------	--------------------

PART
NO.



Art # E01.08002E

**Earlier type
Drive/ Steer
Controller**

TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

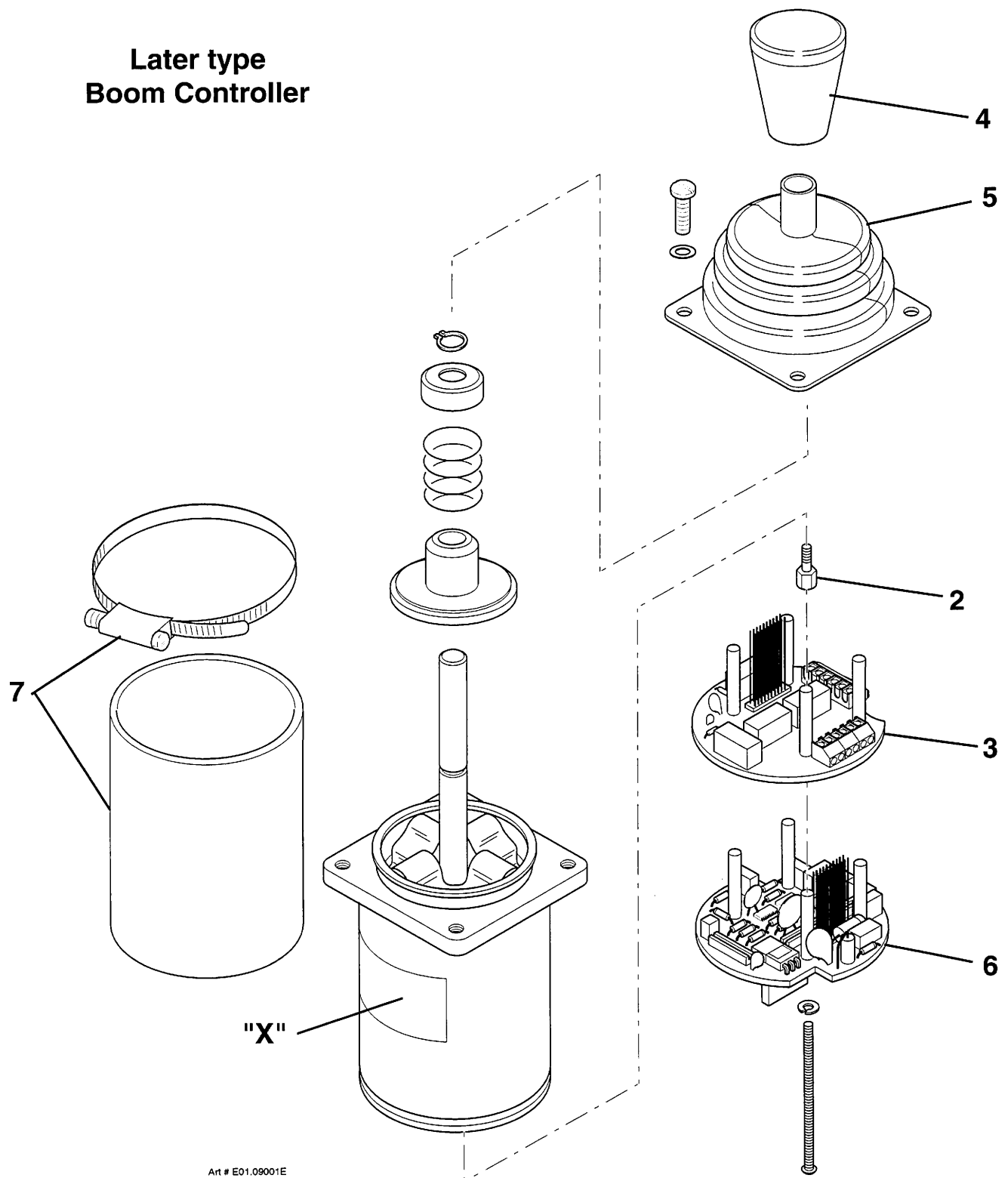
**PART
NO.**

**PLATE
NO.**

E01.08

[illegible]

Later type Boom Controller



Art # E01.09001E

TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

PLATE
NO.

E01.09

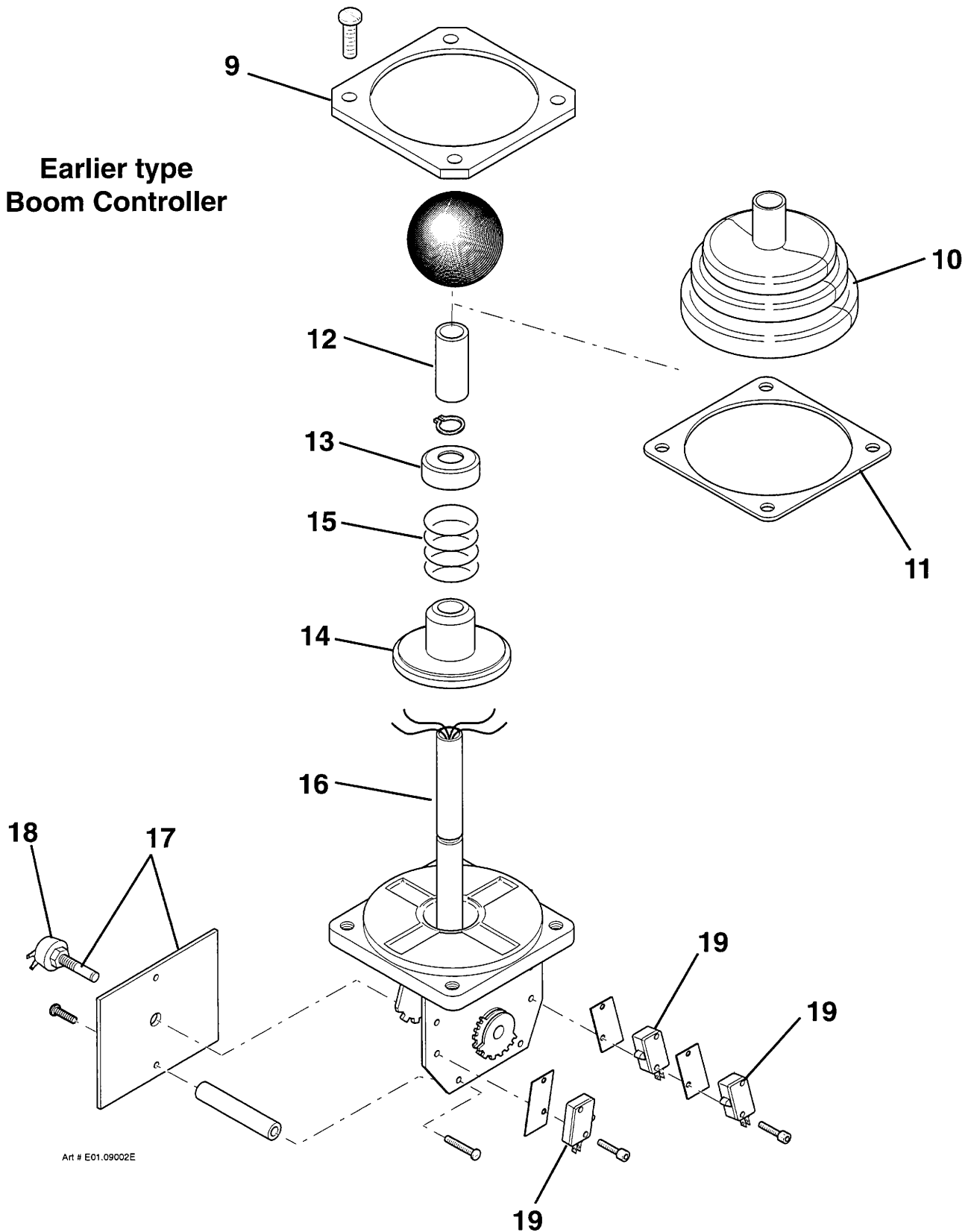
[illegible]

SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

**Earlier type
Boom Controller**



TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

**PART
NO.**

**PLATE
NO.** E01.09

PARTS LIST

[illegible]

TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

PLATE NO.	E01.10	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 07 NOV., 1994

PART
NO.

**Later type
Boom/ Swing
Controller**

This exploded view diagram illustrates the assembly of a Boom/Swing Controller. The main components are numbered 1 through 7. Part 1 is the cylindrical controller body, which has a label 'X' on its side. Part 2 is a small screw. Part 3 is a printed circuit board (PCB) populated with various electronic components. Part 4 is another PCB, similar to part 3. Part 5 is a conical cap. Part 6 is a flange with a central post. Part 7 is a lid with a hinge. The diagram shows the assembly sequence: the PCBs (3 and 4) are mounted onto the controller body (1) using screws (2). The flange (6) is then attached to the top of the body, and the conical cap (5) is placed on top of the flange. Finally, the lid (7) is attached to the side of the controller body.

Art # E01.09001E

TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2			
SIMON AERIALS INC.	REV. 07 NOV., 1994	PART NO.	PLATE NO. E01.10

[illegible]

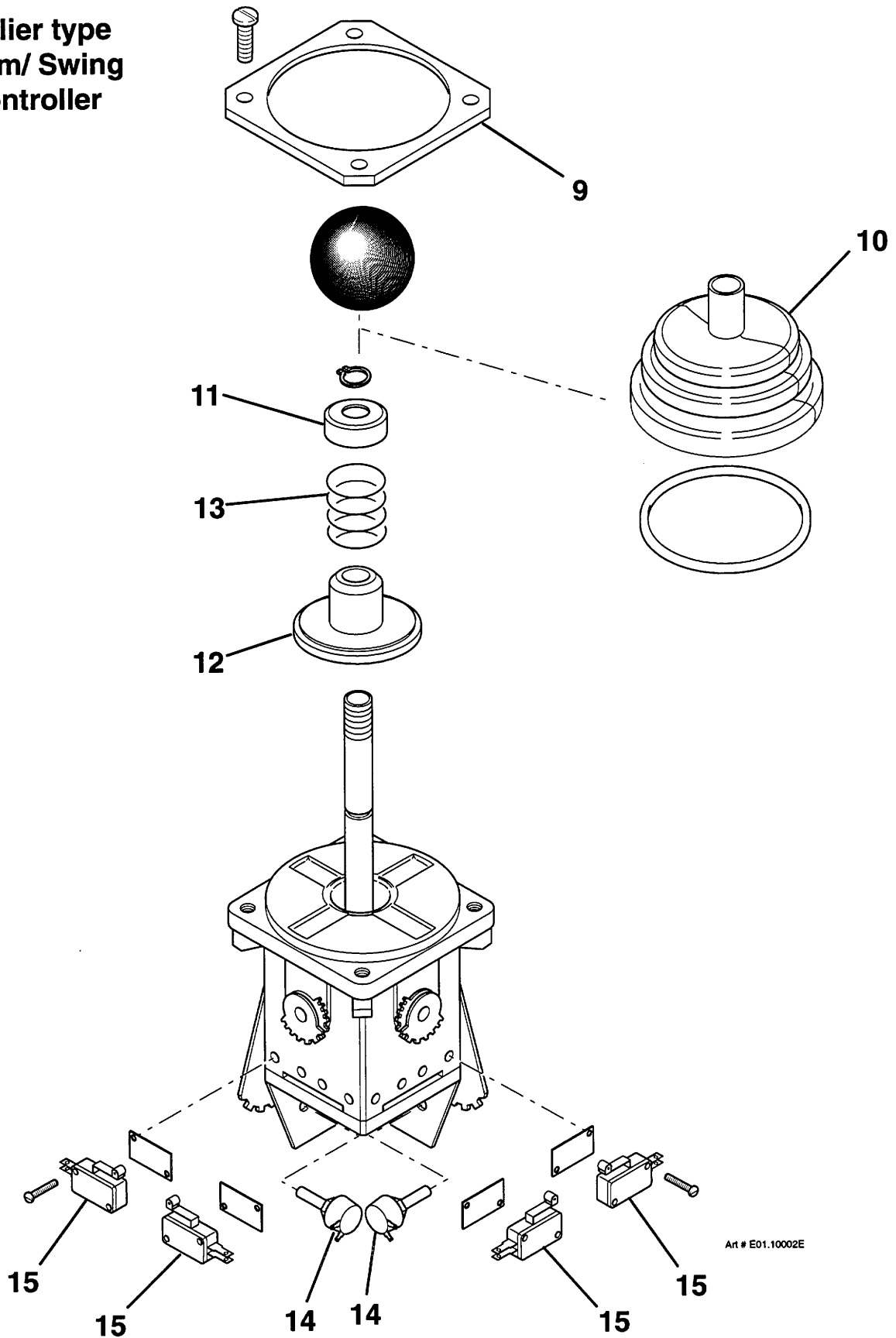
PLATE NO. E01.10

SIMON AERIALS INC.

REV. 07 NOV.. 1994

PART
NO.

**Earlier type
Boom/ Swing
Controller**



TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 07 NOV., 1994

**PART
NO.**

**PLATE
NO. E01.10**

PARTS LIST

[illegible]

TITLE	DRIVE CONTROL HANDLE ASSEMBLY
-------	-------------------------------

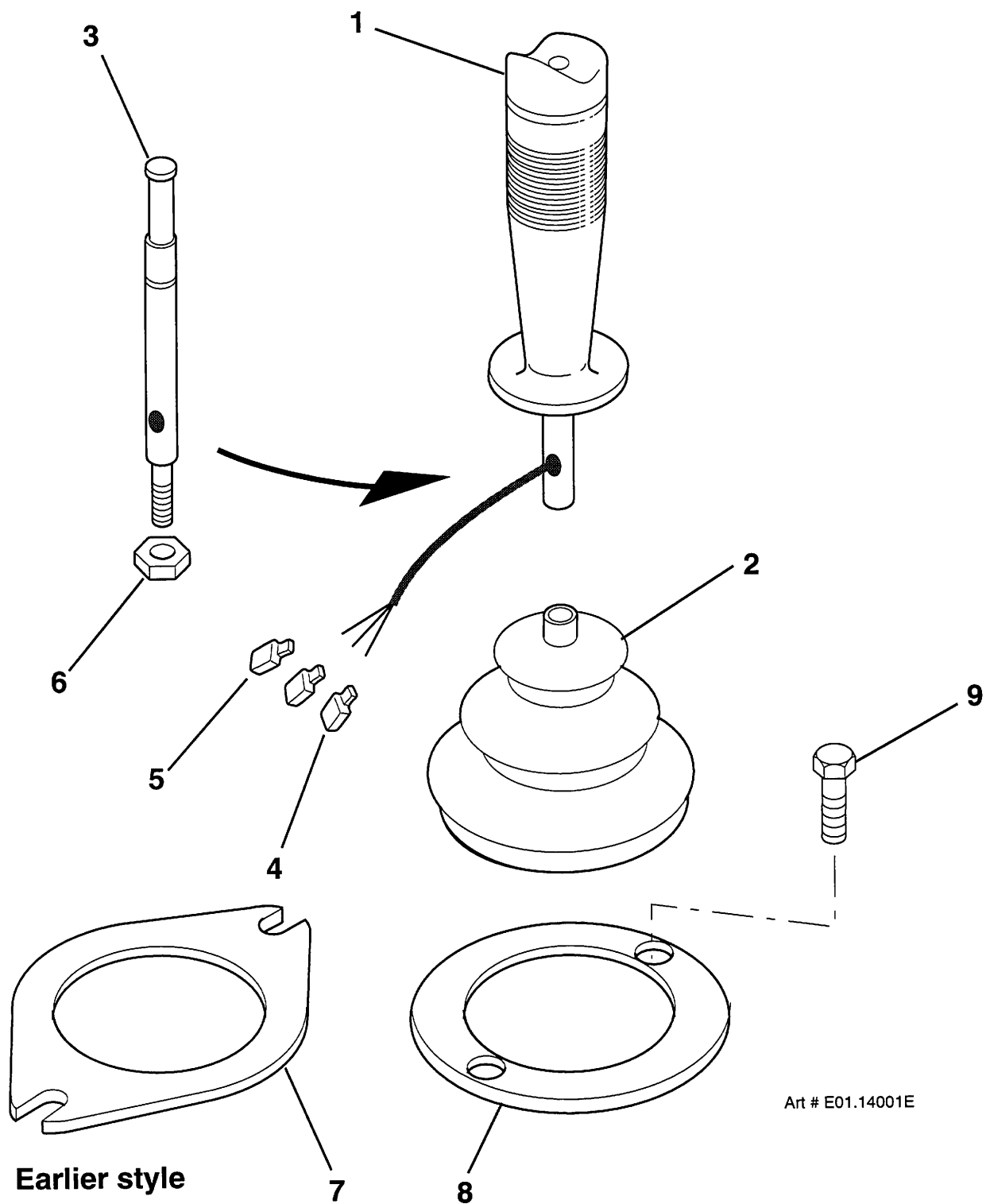
DRIVE CONTROL HANDLE ASSEMBLY

PLATE NO.	E01.14	SIMON AERIALS INC.	REV. 01 MAR., 1994	PART NO.	3530010
-----------	--------	--------------------	--------------------	----------	---------

SIMON AERIALS INC.	REV. 01 MAR., 1994	PART NO. 3530010
---------------------------	--------------------	-------------------------

REV. 01 MAR., 1994	PART NO.	3530010
--------------------	---------------------------	----------------

PART NO. 3530010



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 01 MAR., 1994

PART NO. 3530010

PLATE NO. E01.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5050		PLATFORM WORK LIGHT PACKAGE	1
2	03-037900		LAMP, TRUCK (12 Volt DC) (includes #4411 flood lamp bulb)	2
3	03-037902		LAMP, FLOOD (Sealed beam replacement bulb) (#4411, 12 Volt DC) (See Item 15 for Spot lamp bulb)	2
4	210 7370		BRACKET, WORK LIGHT MOUNTING	2
5	10-069600		CLAMP, TUBE (1-1/4" O.D.)	2
6	03-064800		GROMMET (Plastic)	2
7	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item, order as needed. 8 Ft [2.4 M] needed here)	A.R.
8	03-092300		COUPLING, INSULATED (Female, Blue nylon, #14-16 AWG)	2
9	03-094800		TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)	2
10	03-408800		TUBING, HEAT SHRINK (Black, 1/4") (Bulk item, order as needed. 4 Ft [1.2 M] needed here)	A.R.
11	03-064000		TIE, CABLE (7.4" [188 mm] long)	6
12	03-499700		BREAKER, CIRCUIT (15 Amp)	1
13	01-037400		"O"-RING (.351" I.D., .072" thick)	1
14	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
15	03-037901		LAMP, SPOT (Sealed beam replacement bulb) (#H7604, 12 Volt DC, Halogen) (See Item 3 for Flood lamp)	1
16	353 5010		LIGHT PACKAGE (includes lamps for platform control panel, ground control panel, and engine compartment)	1
17	03-038800		LAMP, CONTROL PANEL (hooded)	2
18	03-418600		BULB, PANEL LAMP (#68, 12 Volt DC)	1
19	03-035500		LAMP, DOME (Engine compartment)	1
20	No Part #		BULB, DOME LAMP (#93, 12 Volt DC)	1
21	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
22	03-092200		COUPLING, INSULATED (Male, Blue nylon, #14-16 AWG)	2
23	03-092300		COUPLING, INSULATED (Female, Blue nylon, #14-16 AWG)	2
24	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	2
25	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")	6
26	07-062009		WASHER, FLAT (#8)	6
27	07-050111		NUT, LOCK (#10-32, Grade 2, with Nylon insert)	6

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

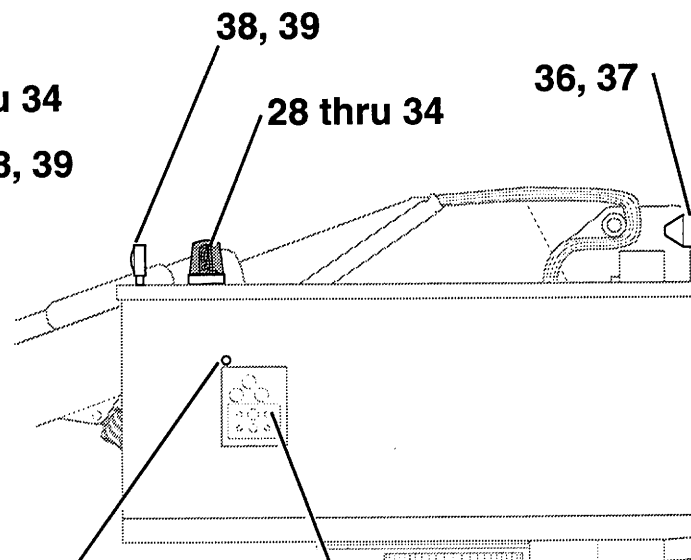
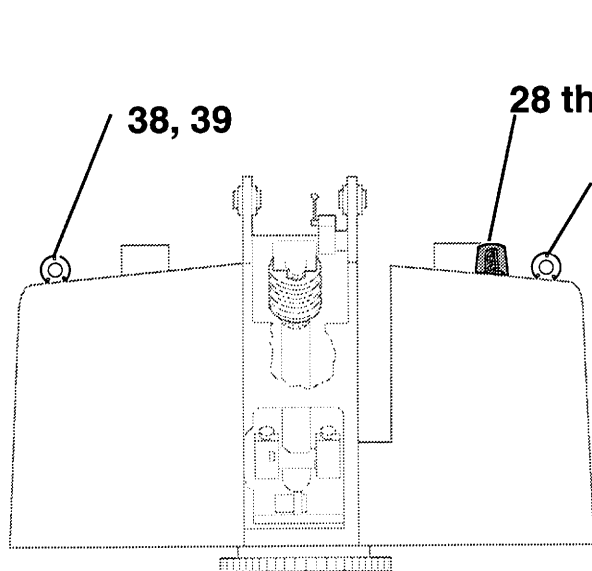
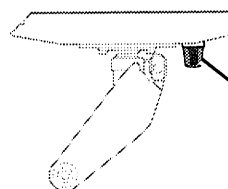
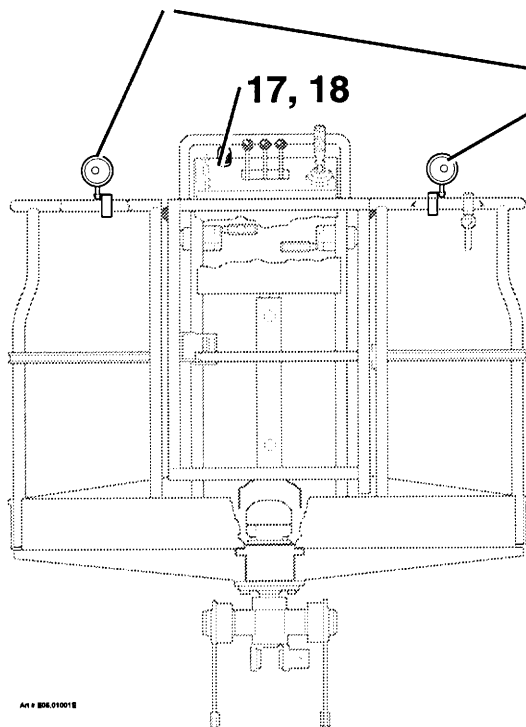
PLATE NO.

E05.01

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART NO.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

PLATE
NO. E05.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	353 5030		ROTARY BEACON PACKAGE (Amber)	1
29	03-030600		BEACON, ROTARY (Amber, 12 Volt DC)	1
30	03-030601		LENS, ROTARY BEACON (Amber)	1
31	No Part #		BULB, ROTARY BEACON (#1156, 12 Volt DC)	1
32	03-064800		GROMMET (Plastic)	1
33	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
34	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	1
35	353 5040		HEAD AND TAIL LIGHT PACKAGE	1
36	03-038000		HEADLAMP (Sealed beam)	2
37	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#H 7609, 12 Volt DC, Halogen) (Also see Item 52)	1
38	03-031200		TAIL LAMP	2
39	No Part #		BULB, TAIL LAMP (#1157, 12 Volt DC)	1
40	03-020400		SWITCH, TOGGLE (2 position, maintained contact, single pole, single throw)	1
41	03-037500		SOCKET, RELAY (Double pole, snap mount)	1
42	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	1
43	03-085200		CABLE, ELECTRICAL (Type SJO, 2 cond., #16 AWG)	
			(Bulk item, order as needed. 20 Ft [6.1 M] needed here)	A.R.
44	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
45	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	12
46	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	12
47	07-031001		STUD, WELD (1/4"-20 x 3/4")	28
48	07-050014		NUT, LOCK (1/4"-20, Grade 5)	28
49	07-062015		WASHER, FLAT (5/16")	28
50	10-060600		CLAMP, LOOP (3/8")	28
51	03-497900		SEAL, PANEL (for headlamp toggle switch)	1
52	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#4419, 12 Volt DC) (Also see Item 37)	1
53	03-046400		TURN SIGNAL	1
54	03-031300		LAMP, MARKER (12 Volt DC)	1

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

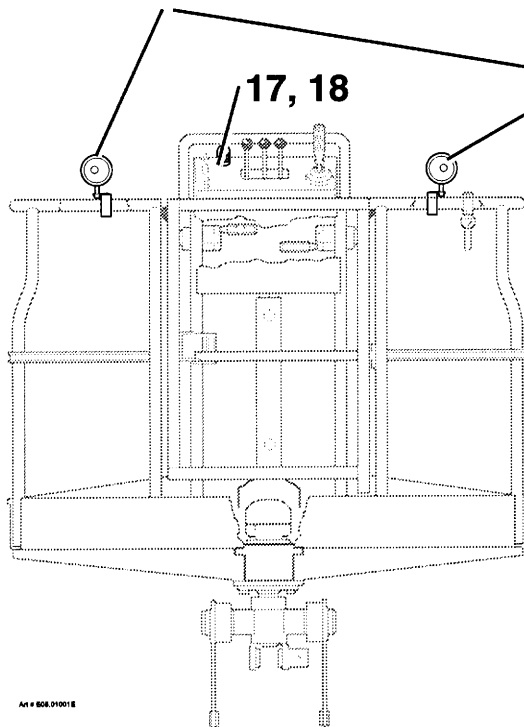
PLATE NO.

E05.01

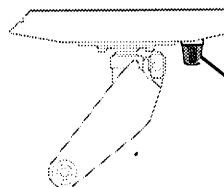
SIMON AERIALS INC.

REV. 09 NOV., 1994

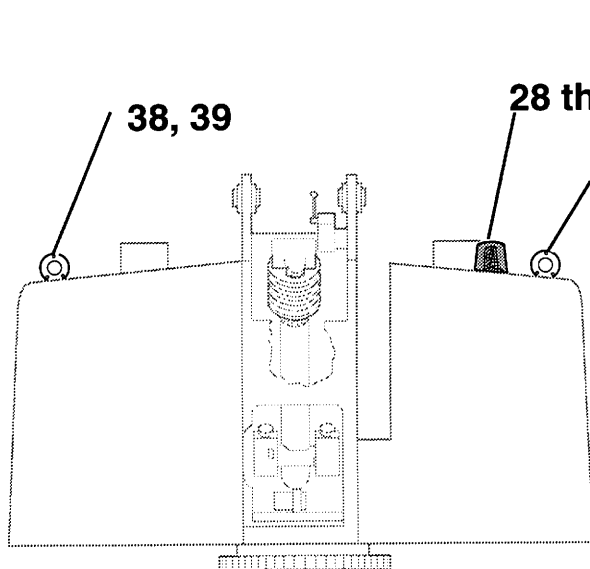
PART NO.



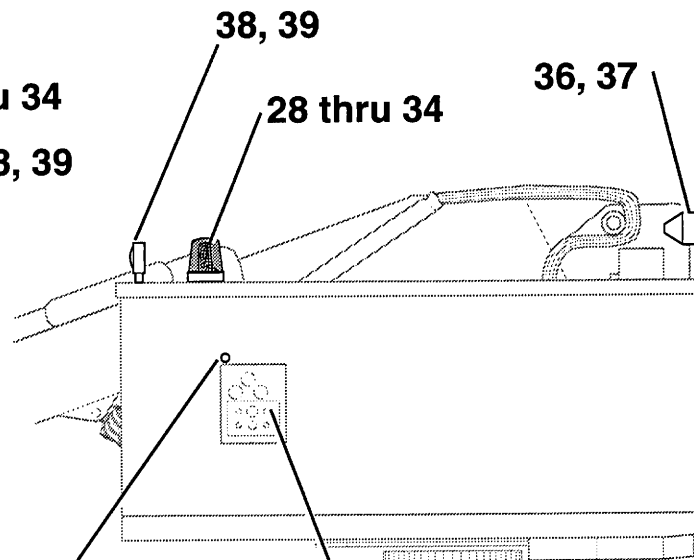
Art # 808.01001E



28 thru 34



Art # E05.01002E



17, 18

41, 42

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

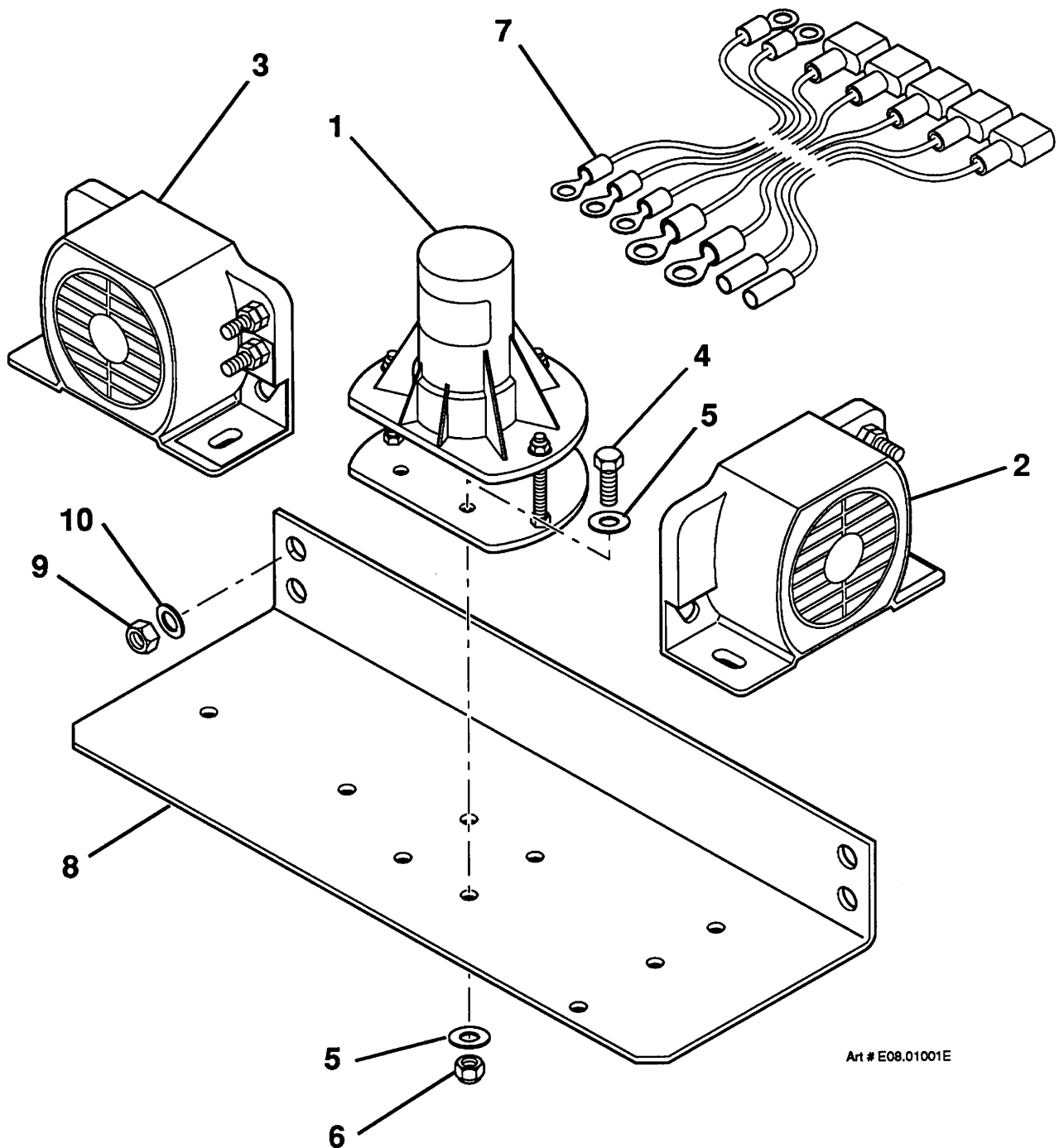
PLATE
NO.

E05.01

[illegible]

ALARM PACKAGE ASSEMBLY, MP

PART NO. 3505326



Art # E08.01001E

TITLE

ALARM PACKAGE ASSEMBLY, MP

SIMON AERIALS INC.

NEW 03/11/91

PART NO. **3505326**

PLATE NO. **E08.01**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION
1	03-473400		INTERCOM SYSTEM (IC-10) (includes M platform, and Talkback Station at grou
2	Ref.		STATION, INTERCOM MASTER
3	Ref.		STATION, INTERCOM TALKBACK
4	No Part #		ENCLOSURE, INTERCOM MASTER ST
5	2179950		BOX, INTERCOM MASTER STATION
6	2179960		DOOR, INTERCOM MASTER STATION
7	10-069600		CLAMP, TUBE (1-1/4" O.D.)
8	10-121200		DECAL, INTERCOM CONTROL (at platf
9	Ref.		SCREW, MASTER STATION TO ENCLC
10	2179970		BRACKET, TALKBACK SPEAKER MOUN (used in some applications)
11	Ref.		SCREW, BRACKET MOUNTING
12	Ref.		WASHER, BRACKET MOUNTING
13	Ref.		NUT, BRACKET MOUNTING
14	Ref.		SCREW, TALKBACK SPEAKER MOUN
15	Ref.		WASHER, TALKBACK SPEAKER MOUN
16	Ref.		NUT, TALKBACK SPEAKER MOUNTING
17	03-020300		SWITCH, PUSH BUTTON (Intercom gro
18	10-119200		DECAL, "PUSH TO TALK"

TITLE

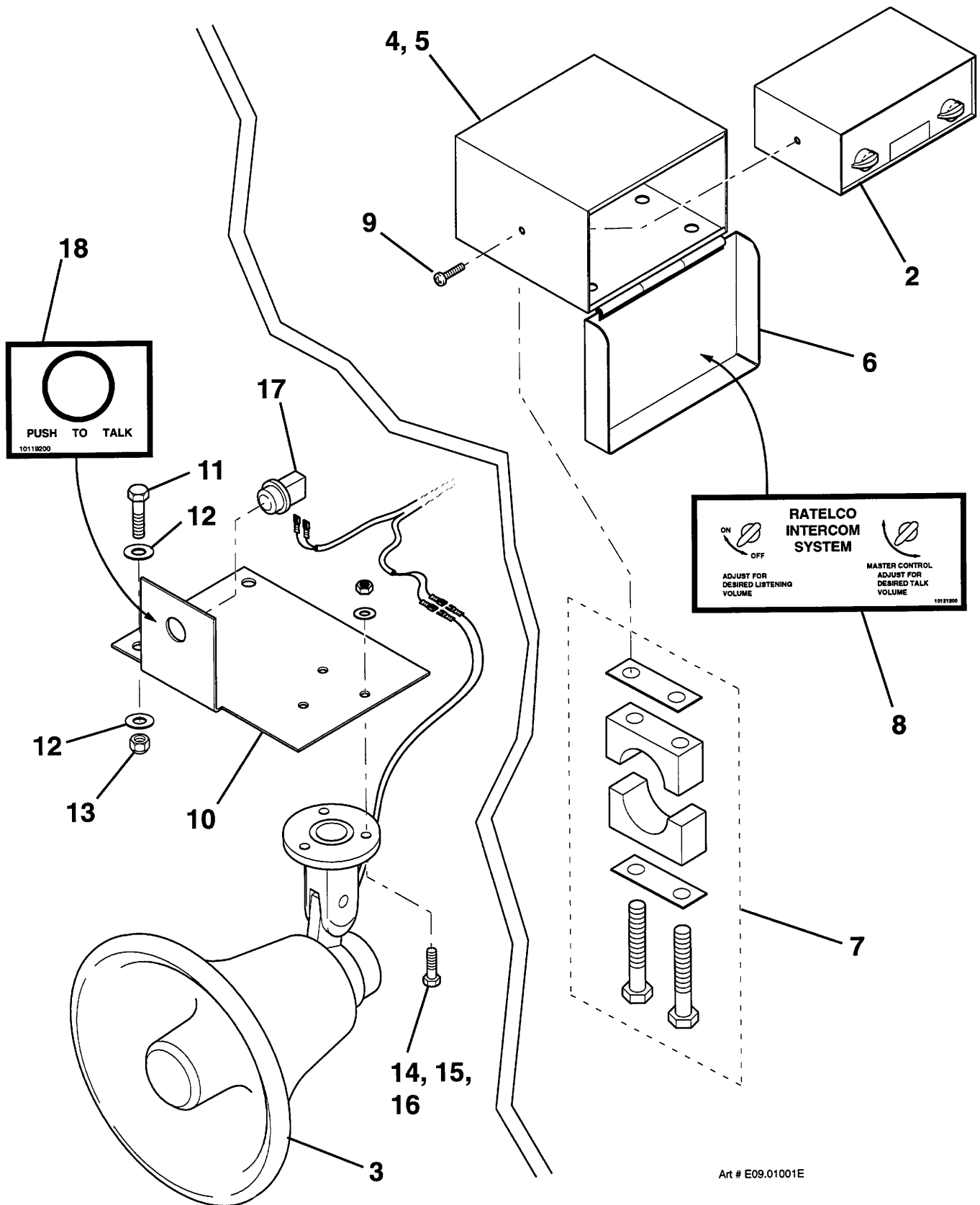
MOBILE INTERCOM SYSTEM (OPTIO

PLATE
NO.

E09.01

SIMON AERIALS INC.

NEW 02 MAY., 199



Art # E09.01001E

TITLE

MOBILE INTERCOM SYSTEM (OPTION)

SIMON AERIALS INC.

NEW 02 MAY., 1994

PART
NO.

PLATE
NO.

E09.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-000500		TORQUE HUB ASSEMBLY (24.85:1 Ratio) Note: Nameplate (found on Hub cover, item 34) reads "W1 B14 0324" or "W1 BDN 0324" on "Type 1" Hub (Torque Hubs built prior to October 1990). Nameplate reads "W1 BFN 0324" on "Type 2" Hub (Torque Hubs built October 1990 and later)	1
1			HUB AND SPINDLE ASSEMBLY	1
2	02-000502		SPINDLE (for "Type 1" Hub)	1
	02-000545		SPINDLE (for "Type 2" Hub)	1
3	02-000525		HUB [9 hole, 9.5" (241 mm) bolt circle] (for "Type 1" Hub)	1
	02-000547		HUB [9 hole, 9.5" (241 mm) bolt circle] (for "Type 2" Hub)	1
4	02-000507		SEAL, HUB (for "Type 1" Hub)	1
	02-000548		SEAL, HUB (for "Type 2" Hub)	1
5			CONE AND ROLLER, HUB BEARING (inner)	1
	02-000521		(for "Type 1" Hub)	
	02-000549		(for "Type 2" Hub)	
6	02-000520		CUP, HUB BEARING (inner) (for "Type 1" Hub)	1
	02-000550		CUP, HUB BEARING (inner) (for "Type 2" Hub)	1
7	02-000528		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000527		CUP, HUB BEARING (outer)	1
9	02-000518		SPACER, HUB	1
10	02-000517		RING, RETAINING	1
11	02-000533		PLUG, PIPE	2
12	02-000526		STUD, WHEEL MOUNTING (1/2"-20 x 1-7/8")	9
	07-030618		STUD, WHEEL MOUNTING (9/16"-18 x 2-1/8")	9
13	02-000503		COUPLING, MOTOR	1
14	02-000537		GEAR, INTERNAL	1
15	02-000536		CARRIER ASSEMBLY, PLANETARY	1
16	02-000532		CASE, CARRIER	1
17	02-000538		SHAFT, PLANET	3
18	02-000544		GEAR, PLANET	3
19	02-000540		ROLLER, NEEDLE	96
20	02-000505		SPACER	3
21	02-000539		WASHER, THRUST	6
22	02-000542		PIN, ROLL	3
23			SHAFT ASSEMBLY, INPUT	1
24	02-000506		SHAFT, INPUT	1
25	02-000505		SPACER	2
26	02-000504		SPRING	1
27	02-000509		RING, RETAINING	1

TITLE

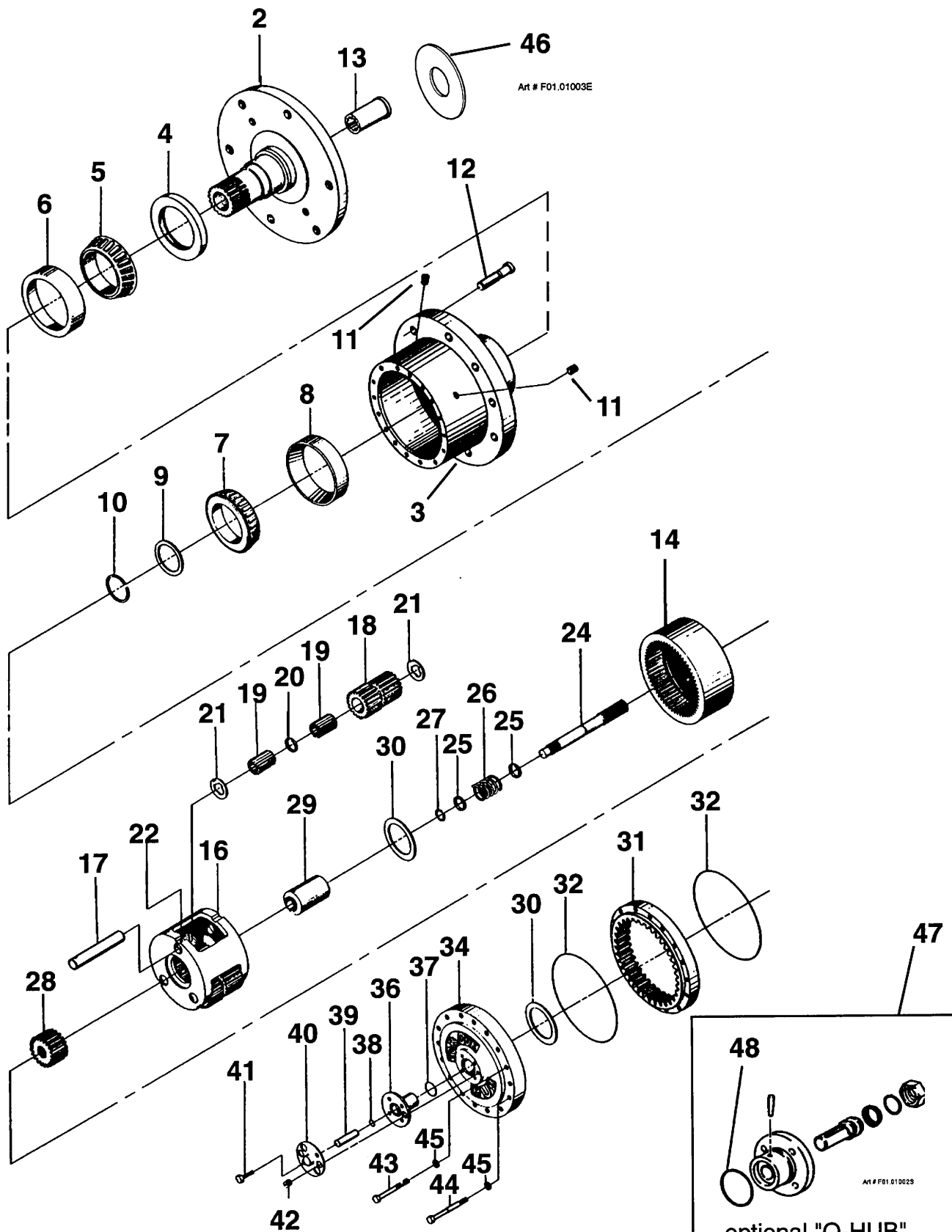
TORQUE HUB (24.85:1) (PLATE 1 OF 2)

PLATE NO. F01.01

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART NO. 02-000500



TITLE

TORQUE HUB (24.85:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART
NO.

02-000500

PLATE
NO.

F01.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	02-000530		GEAR, INPUT	1
29	02-000531		SPACER, THRUST	1
30	02-000529		WASHER, THRUST	2
31	02-000515		GEAR, RING	1
32	02-000516		"O"-RING	2
33			COVER ASSEMBLY, HUB	1
34	02-000508		COVER, HUB	1
35	02-000519		CAP, COVER	1
Note: Items 35 through 42 are for units without "Q-hub" quick-disconnect option.				
36	02-000514		CAP, HEX	1
37	02-000513		"O"-RING	1
38	02-000512		"O"-RING	1
39	02-000511		ROD, DISCONNECT	1
40	02-000501		CAP, DISCONNECT	1
41	07-003003		BOLT (without "Q-hub" quick-disconnect option)	4
42	02-000533		PLUG, PIPE (Oil level check)	1
43	02-000534		BOLT	12
44	02-000524		BOLT, SHOULDER	4
45	02-000535		WASHER, FLAT	16
46	2176980		SPACER	1
The following optional kit may be installed on your hub:				
47	02-000510		CAP KIT, COVER (quick-disconnect "Q-hub" kit)	1
48	02-000523		SEAL, DISCONNECT CAP	

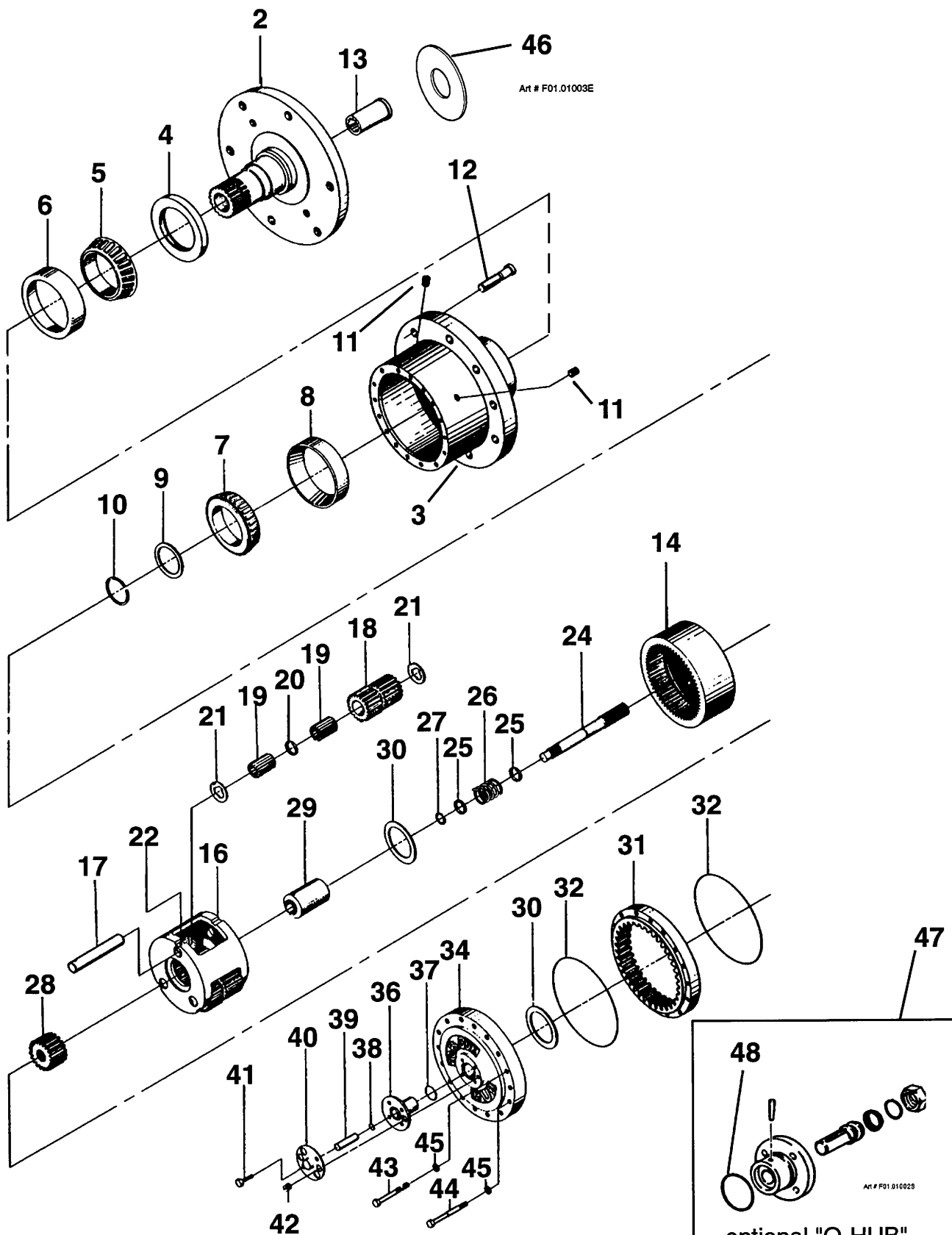
TITLE TORQUE HUB (24.85:1) (PLATE 2 OF 2)

PLATE NO. F01.01

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART NO. 02-000500



TITLE

TORQUE HUB (24.85:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART NO. 02-000500

PLATE NO. F01.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 34) reads "W3B110343 ZB" (some earlier versions may read "W3BM10343".)	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-000620		SPINDLE	1
3	02-000628		HUB [10 hole, 13-3/16" (335 mm) bolt circle]	1
4	02-000605		SEAL, HUB	1
5	02-000617		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-000632		CUP, HUB BEARING (inner)	1
7	02-000616		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000633		CUP, HUB BEARING (outer)	1
9	02-000623		SPACER, HUB	1
10	02-000606		RING, RETAINING	1
11			PLUG, PIPE	2
12	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
13	02-000615		COUPLING, MOTOR	1
14	02-000626		RING, RETAINING	1
15	02-000619		RING, RETAINING	1
16	02-000625		SPRING	1
17	02-000627		WASHER	2
18	02-000626		RING, RETAINING	1
19	02-000624		GEAR, INTERNAL	1
20	02-000622		CARRIER ASSEMBLY, PLANETARY	1
21			CASE, CARRIER	1
22	02-000635		SHAFT, PLANET	3
23	02-000637		GEAR, PLANET	3
24	02-000630		ROLLER, NEEDLE	84
25	02-000631		SPACER	3
26	02-000629		WASHER, THRUST	6
27	02-000636		PIN, ROLL	3
28	02-000614		SHAFT, INPUT	1
29	02-000619		RING, RETAINING	1
30	02-000611		SPACER, THRUST	1
31	02-000613		GEAR, INPUT	1
32	02-000612		SPACER, THRUST	1
33	02-000610		BEARING, THRUST	2
34	02-000609		WASHER, THRUST	4
35	02-000634		GEAR, RING	1
36	02-000607		O-RING	2

TITLE

TORQUE HUB (43:1) (PLATE 1 OF 2)

PLATE NO.

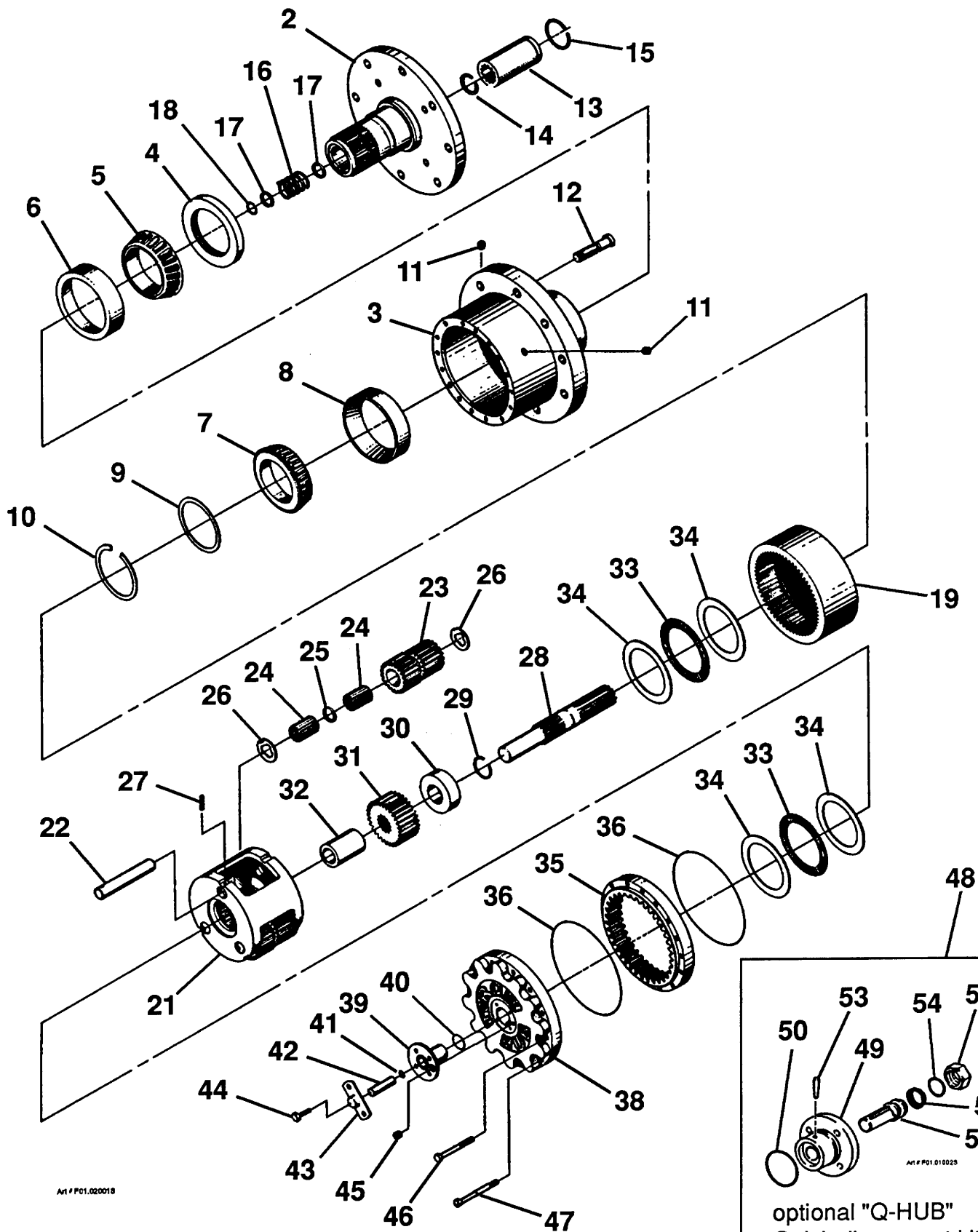
F01.02

SIMON AERIALS INC.

REV.05/16/91

PART NO.

02-000600



Art # F01.020019

Art # F01.010029

optional "Q-HUB"
Quick disconnect kit

TITLE

TORQUE HUB (43:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
37			COVER ASSEMBLY, HUB	1
38	02-000618		COVER, HUB	1
39	02-000601		CAP, COVER	1
			Note: Items 39 through 45 are for units without "Q-hub" quick-disconnect option.	
40	02-000608		"O"-RING	1
41	02-000512		"O"-RING	1
42	02-000603		ROD, DISCONNECT	1
43	02-000602		CAP, DISCONNECT	1
44			BOLT	4
45			PLUG, PIPE (Oil level check)	1
46			BOLT	8
47	02-000621		BOLT, SHOULDER	4
			The following optional kit may be installed on your hub:	
48	02-000604		CAP KIT, COVER (quick-disconnect "Q-hub" kit)	1
49			CAP, QUICK DISCONNECT	1
50			"O"-RING	1
51			ROD, DISCONNECT	1
52			SEAL, DISCONNECT ROD	1
53			PIN, ROLL	1
54			"O"-RING	1
55	02-000519		CAP, HEX	1

TITLE

TORQUE HUB (43:1) (PLATE 2 OF 2)

**PLATE
NO.**

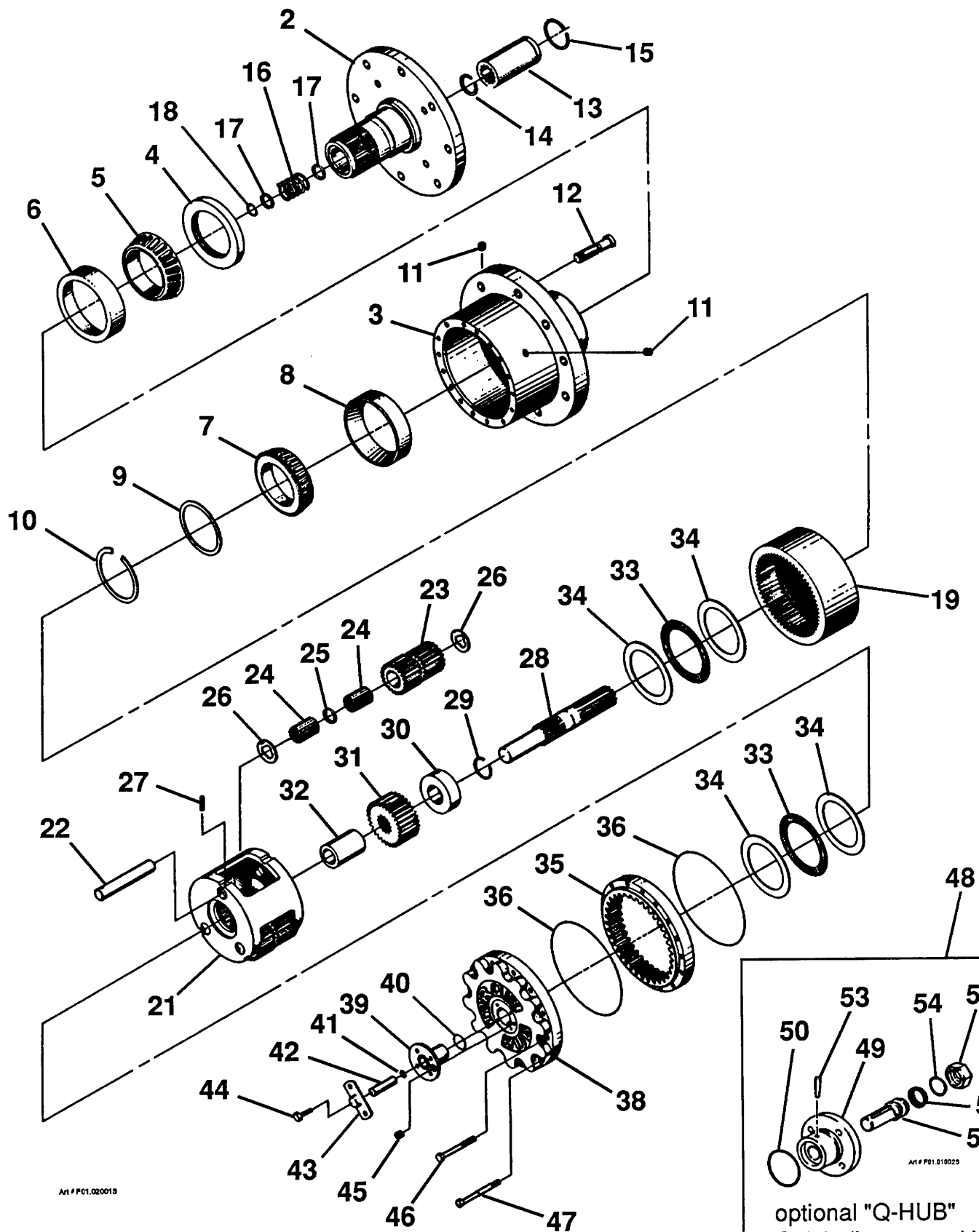
F01.02

SIMON AERIALS INC.

REV.06/28/91
THIS SHEET ONLY

**PART
NO.**

02-000600



Art # F01.020019

Art # F01.010029

optional "Q-HUB"
Quick disconnect kit

TITLE

TORQUE HUB (43:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV.05/18/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3	02-000423		CONE AND ROLLER, INPUT BEARING (1-5/8" [41mm] bore)	1
4	02-000402		CUP, INPUT BEARING (3-1/4" [83 mm] O.D.)	1
5	02-000406		RETAINER, INPUT BEARING	1
6			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2", Grade 5)	4
7			WASHER, LOCK (7/16")	4
8	02-000421		CONE AND ROLLER, BEARING (1" [25 mm] bore)	1
9	02-000434		CUP, BEARING (2-9/16" [65 mm] O.D.)	1
10	02-000433		RETAINER, BEARING	1
11			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4", Grade 5)	4
12			WASHER, LOCK (7/16")	4
13	02-000401		SHAFT, OUTPUT	1
14	02-000418		GEAR, WORM	1
15	02-000444		KEY (3/8" [9.5 mm] square)	2
16	02-000407		RING, THRUST	2
17	02-000408		SPACER	1
18	02-000427		BEARING, ROLLER (1-1/2" [38 mm] I.D.)	1
19	02-000403		COVER, SWING REDUCER	1
20	02-000428		BEARING, ROLLER (2" [51 mm] I.D.)	1
21			SET SCREW (1/4"-20 x 3/8")	1
22	02-000461		CAP SCREW (7/16"-14 x 1")	6
23	02-000460		SEAL KIT, SWING REDUCER	1
24	02-000409		GASKET, BEARING RETAINER (1/64" [0.4 mm]) (4 in kit)	A.R.
25	02-000410		GASKET, BEARING RETAINER (1/32" [0.8 mm]) (4 in kit)	A.R.
26	02-000413		GASKET, MOTOR MOUNTING	1
27	02-000431		SEAL, WORM SHAFT (1" [25 mm] I.D.)	1
28	02-000429		"O"-RING, BEARING RETAINER	1
29	02-000432		SEAL, OUTPUT SHAFT (2" [51 mm] I.D.)	1
30	02-000430		"O"-RING, COVER	1
31	02-000411		GASKET, COVER (1/64" [0.4 mm] red fiber) (2 in kit)	A.R.
32	02-000412		GASKET, COVER (1/32" [0.8 mm] red fiber) (2 in kit)	A.R.
33	02-000414		PLUG, EXPANSION (drilled for grease fitting)	1
34	08-053100		FITTING, GREASE (1/4"-28, straight)	1
35			BRACKET	2
36			CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	4
37			WASHER, LOCK (7/16")	4
38			PLUG, HEX SOCKET (1/2"-14 NPT)	1
39			BUSHING, REDUCER	1
40	02-000439		PLUG, VENT (1/8" NPT)	1

TITLE SWING REDUCER ASSEMBLY

**PLATE
NO.**

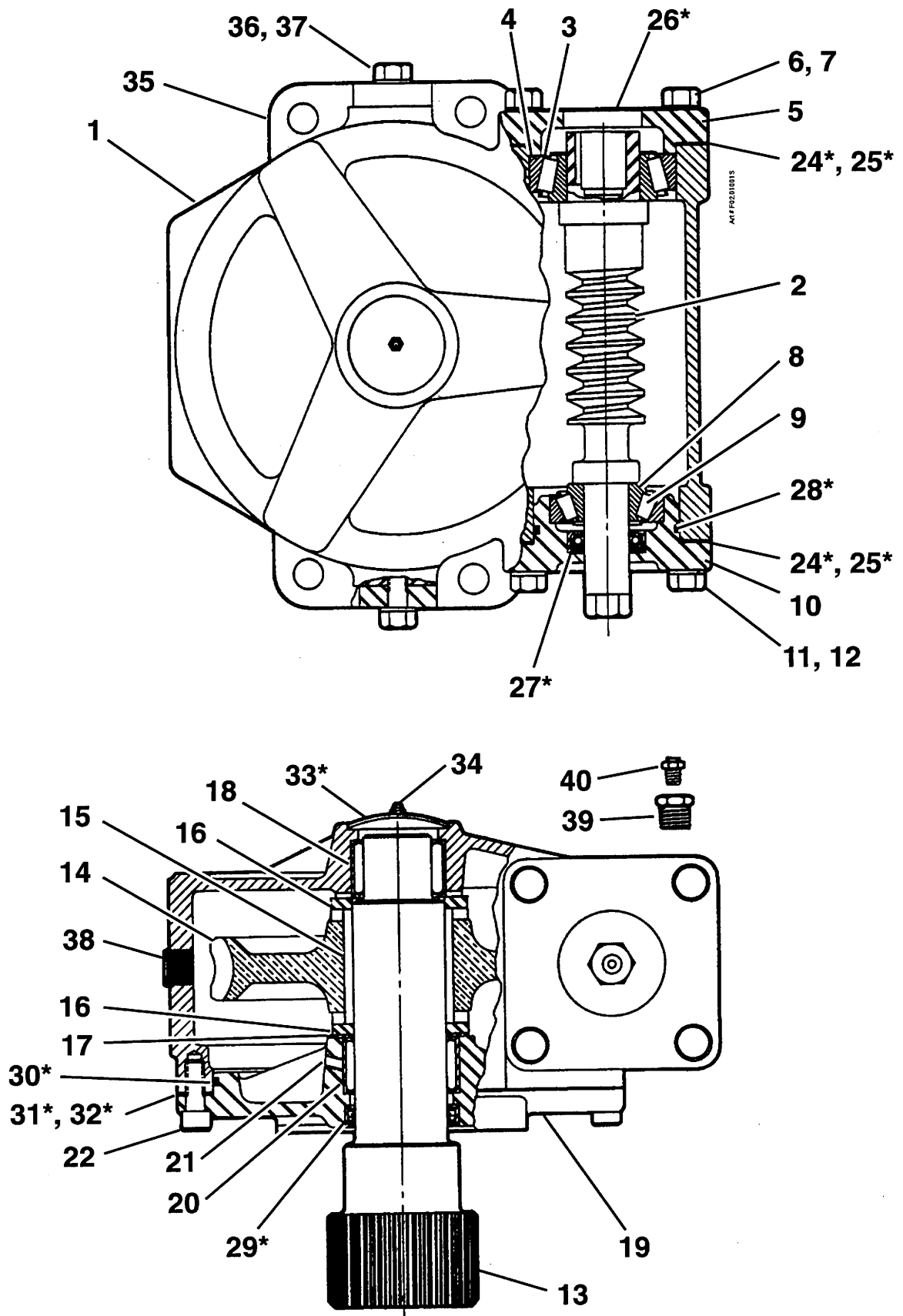
F02.01

SIMON AERIALS INC.

REV. 25 AUG., 1994

**PART
NO.**

02-000400



TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 25 AUG., 1994

PART NO. 02-000400

PLATE NO. F02.01

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gemco Hose Track:									
F 3.1	08-000600	EE	2-3/4"	3"	13-1/4"	6"	97		not current production
-----	08-000601	EE	2-3/4"	3"	13-1/4"	6"	---		3' section of style "EE"
F 3.2	08-001000	CC	2-3/4"	3"	13-1/4"	6"	93		not current production
F 3.3	08-001600	2A	1-3/4"	2-1/2"	13-1/4"	6"	65		not current production
-----	08-001615	2A	1-3/4"	2-1/2"	13-1/4"	6"	---		3' section of style "2A"
F 3.4	08-003600	2A	1-3/4"	2-1/2"	13-1/4"	6"	77		not current production
-----	08-003700	3CM	4"	6"	13-1/4"	6"	19		not current production
F 3.5	08-005000	EE	2-3/4"	3"	13-1/4"	6"	93		not current production
F 3.6	08-010400	EE	2-3/4"	3"	13-1/4"	6"	63		not current production
Gleason Type 25, 35, 45 Hose Track:									
F 3.25	08-000400	25	1-3/4"	2-1/2"	13"	6"	76		
F 3.26	08-000700	25	1-3/4"	2-1/2"	13"	4"	44	MP 40 Elec.Prop. MP 40 Hydraport	
-----	08-000701	25	1-3/4"	2-1/2"	13"	4"	---		3' section of style "25" (when dim. "C" = 13" and dim. "D" = 4")
F 3.27	08-000900	25	1-3/4"	2-1/2"	13"	6"	14		
F 3.28	08-008900	45	3-3/4"	5"	16"	6"	65		
F 3.29	08-009100	25	1-3/4"	2-1/2"	13"	4"	66		
F 3.30	08-009500	45	3-3/4"	5"	16"	6"	48		
F 3.31	08-009800	45	3-3/4"	5"	16"	6"	53		
F 3.32	08-011800	25	1-3/4"	2-1/2"	8-5/8"	4"	29		
-----	08-011801	25	1-3/4"	2-1/2"	8-5/8"	4"	---		3' section of style "25" (with dim. "C" = 8-5/8" and dim. "D" = 4")
Gleason Type 25, 35, 45, continued on next sheet									

TITLE

HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

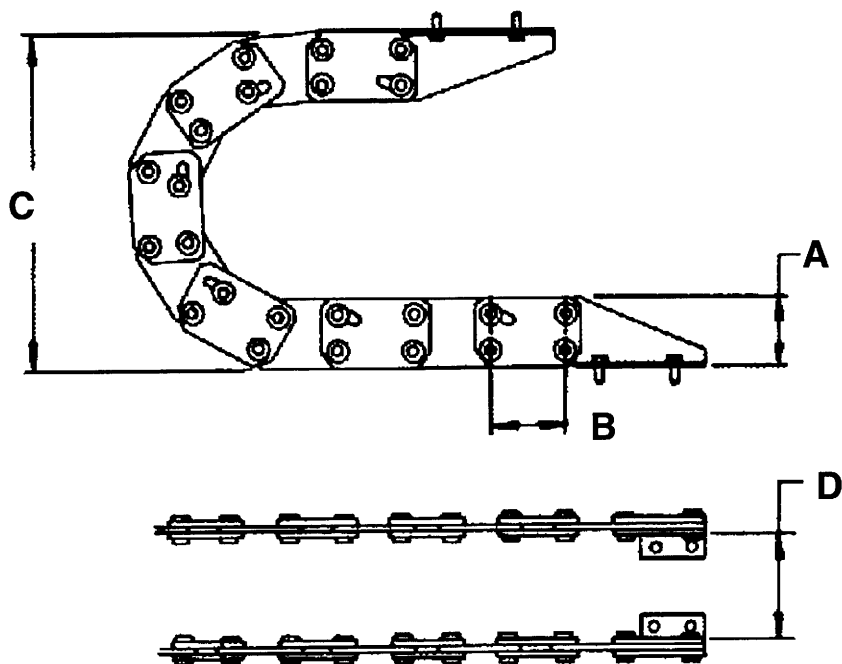
PLATE NO.

F03 ALL

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



GEMCO

for Gleason Type 25, 35, 45, see next sheet

TYPE	LINK CONSTRUCTION		TYPE	LINK CONSTRUCTION	
1A		Not used	FF		Not used
2A			GG		Not used
BB		Not used	2CM		Not used
CC			3CM		
EE					

NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE

HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. **F03 ALL**

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25, 35, 45 Hose Track (continued):									
F 3.33	08-011900	45	3-3/4"	5"	16"	6"	43	MPH 60 Full Hyd. MPH 60 Hydraport	not current production not current production
-----	08-011901	45	3-3/4"	5"	16"	6"	---		3' section of style "45" (when dim. "C" = 16")
F 3.34	08-012400	45	3-3/4"	5"	16"	6"	63	MP 70 Full Hyd. MP 70 Hydraport MP 80 All MPH 80 Full Hyd. MP 95 All MP 110 (Inner) All	not current production not current production not current production not current production not current production
F 3.35	08-013000	25	1-3/4"	2-1/2"	8-5/8"	4"	44		
F 3.36	08-013400	25	1-3/4"	2-1/2"	8-5/8"	4"	69		
F 3.37	08-013500	25	1-3/4"	2-1/2"	8-5/8"	4"	39		
F 3.38	08-014900	25	1-3/4"	2-1/2"	8-5/8"	4"	81		
F 3.39	08-015100	45	3-3/4"	5"	16"	6"	45		
F 3.40	08-056000	35	2-5/8"	3-3/4"	26"	6"	96		
-----	08-056001	35	2-5/8"	3-3/4"	26"	6"	---		3' section of style "35" (when dim. "C" = 26")
F 3.41	08-056100	45	3-3/4"	5"	27"	6"	39	MP 110 (Outer) All	not current production
-----	08-056101	45	3-3/4"	5"	27"	6"	---		3' section of style "45" (when dim. "C" = 27")
A and A "Gortite" Hose Track:									
-----	08-056200		2"	2-1/2"	9-7/8"	4"	83		not current production
-----	08-056201		2"	2-1/2"	9-7/8"	4"	15		3' section, style "A+A"
Gleason Type 25, 35, 45 Hose Track (continued):									
F 3.42	08-056700	35	2-5/8"	3-3/4"	15"	6"	55		
F 3.43	08-058300	35	2-5/8"	3-3/4"	15"	6"	29	MP 40 Full Hyd. Trailblazer 40	not current production current production
-----	08-058301	35	2-5/8"	3-3/4"	15"	6"	---		3' section of style "35" (when dim. "C" = 15")
F 3.44	08-058400	35	2-5/8"	3-3/4"	15"	6"	56	MP 60 Full Hyd.	not current production
F 3.45	08-060200	25	1-3/4"	2-1/2"	13"	6"	81	MP 60, MPN 60, and MP 60 Z Electro-Prop. or Hydraport	
-----	08-060201	25	1-3/4"	2-1/2"	13"	6"	---		3' section of style "25" (when dim. "C" = 13" and dim. "D" = 6")
F 3.46	08-062100	35	2-5/8"	3-3/4"	15"	6"	58		
-----	08-063500	35	2-5/8"	3-3/4"	15"	6"	19		
-----	08-069100	35	2-5/8"	3-3/4"	15"	6"	33		
-----	08-070200							MPN 40 Full Hyd. (with 3 Pc. Boom)	not current production
for Gleason Type 25E, 35E, 45E, see next sheet									

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

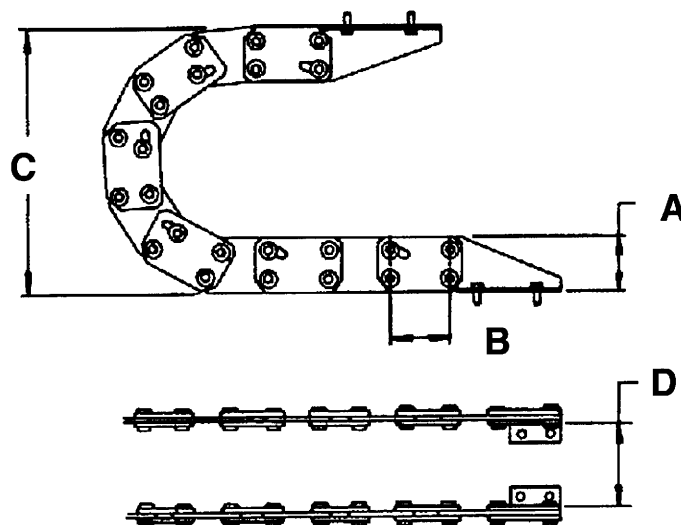
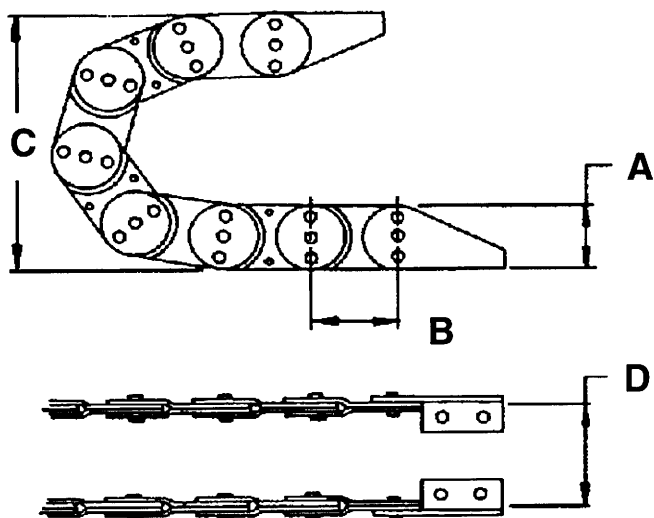
PLATE NO.

F03 ALL

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



for Gleason Type 35E, 45E, see next sheet

GLEASON

A AND A

TYPE	LINK CONSTRUCTION	TYPE	LINK CONSTRUCTION
25			
35			
45			

NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25E, 35E, 45E Hose Track:									
-----	08-072600	35E	2-3/4"	3-3/4"	13-1/8"	6"	29	MP 40 Full Hyd. Trailblazer 40	
-----	08-072602	35E	2-3/4"	3-3/4"	13-1/8"	6"	---		3' section, style 35E
-----	08-072700	35E	2-3/4"	3-3/4"	13-1/8"	6"	55	MP 60, MPN 60, and MP 60 Z Full Hydraulic for Field Service	Pushnut (single type)
-----	08-072701	35E	---	---	---	---	---		
-----	08-072800	45E	3-3/4"	5"	15-1/8"	6"	61	MP 80 All	Pushnut (single type)
-----	08-072801	45E	---	---	---	---	---	for Field Service	
-----	08-072802	45E	3-3/4"	5"	15-1/8"	6"	---		3' section, style 45E
-----	08-072900	35E	2-3/4"	3-3/4"	13-1/8"	6"	58	Trailblazer 60	Mounting one end
-----	08-073000	35E	2-3/4"	3-3/4"	13-1/8"	6"	32	MPH 42 Full Hyd.	
-----	08-073100	35E	2-3/4"	3-3/4"	13-1/8"	6"	35	MPN 40 Full Hyd. (with 3 Pc. Boom)	
-----	08-073200	35E	2-3/4"	3-3/4"	13-1/8"	6"	39	MP 50 Full Hyd.	All without Keel Boom
-----	08-073300	45E	3-3/4"	5"	15-1/8"	6"	45	MPH 60 Full Hyd.	
-----	08-073400	45E	3-3/4"	5"	15-1/8"	6"	54	MP 70 Hydraport	
-----	08-073500	45E	3-3/4"	5"	15-1/8"	6"	59	MP 70 Full Hyd. Hydraport	
-----	08-073600	45E	3-3/4"	5"	15-1/8"	6"	64	MPH 80 Full Hyd. Hydraport	
-----	08-073700	45E	3-3/4"	5"	15-1/8"	6"	69	MPH 80 Hydraport	
-----	08-076700	25E	1-3/4"	2-1/2"	13-1/8"	4"	44	MP 110 (Inner)	
-----	08-076800	25E	1-3/4"	2-1/2"	13-1/8"	4"	54	MP 95 All	
-----	08-076900	25E	1-3/4"	2-1/2"	13-1/8"	4"	81	MP 40 Hydraport or Electro-Prop.	
-----	Call Simon	25E	---	---	---	---	---	MP 50 Hydraport or Electro-Prop. for Field Service	
-----	Call Simon	25E	1-3/4"	2-1/2"	13-1/8"	4"	---		Pushnut (single type)
-----	08-077000	45E	3-3/4"	5"	15-1/8"	6"	39	MP 60, MPN 60, and MP 60 Z Hydraport or Electro-Prop.	3' section, style 25E
-----	08-077200	45E	3-3/4"	5"	26-1/8"	4"	39	MP 110 (Outer)	All without Keel Boom
-----	08-077300	45E	3-3/4"	5"	15-1/8"	4"	64	MP 110 (Outer)	All with Keel Boom
								MP 110 (Inner)	All with Keel Boom

TITLE

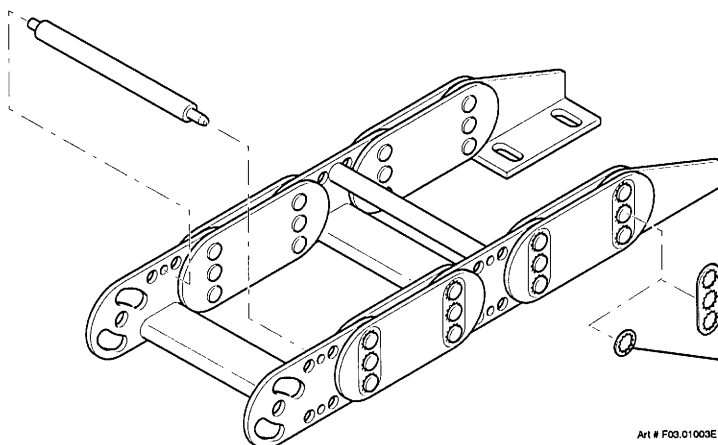
HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

PLATE NO. **F03 ALL**

SIMON AERIALS INC.

REV. 26 AUG., 1994
THIS SHEET ONLY

PART NO.

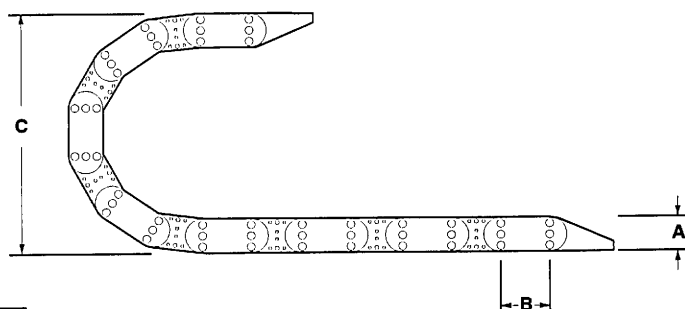


Triple Pushnut used for factory installation only.

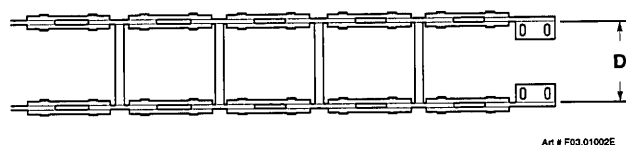
Single Pushnut is available for service. See chart.

Art # F03.01003E

GLEASON



TYPE	LINK CONSTRUCTION
35E	
45E	



Art # F03.01002E

NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE

HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

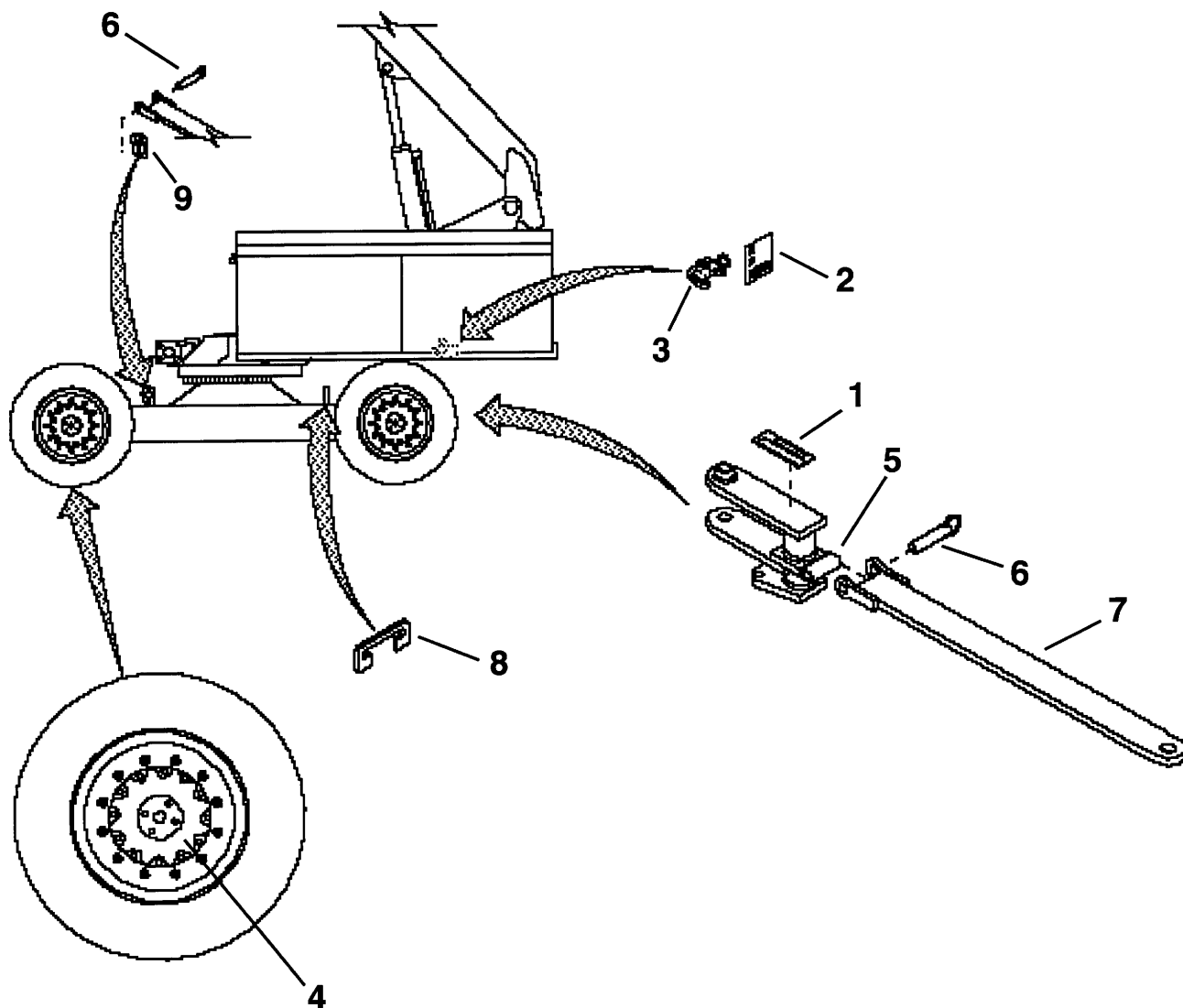
SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. F03 ALL

[illegible]



TITLE

TOWING EQUIPMENT (OPTIONAL)

SIMON AERIALS INC.

ORIGIN 07/12/90

PART NO. 3519960

PLATE NO. F05.01

[illegible]

PLATE NO. F99.10

REV. 28 FEB., 1995

PART
NO.



PLATE NO.	F99.10
-----------	--------

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
16			DECAL, PLATFORM CAPACITY (4-1/2" [114 mm] wide, black letters on white background) (2 used on earlier versions, 4 on later versions)	A.R.
	10-148300		"Platform capacity 500 Lbs (225 Kg)"	
	10-149000		"Platform capacity 550 Lbs (250 Kg)"	
	10-148500		"Platform capacity 650 Lbs (300 Kg)"	
	10-148700		"Platform capacity 750 Lbs (340 Kg)"	
	10-149400		"Platform capacity 800 Lbs (360 Kg)"	
	10-148900		"Platform capacity 1000 Lbs (450 Kg)"	
17			DECAL, PLATFORM CAPACITY (18-1/4" [464 mm] wide, black cutout letters) (Was used on some earlier versions)	1
	10-145300		"Platform capacity 500 Lbs (225 Kg)"	
	10-149700		"Platform capacity 550 Lbs (250 Kg)"	
	10-149800		"Platform capacity 650 Lbs (300 Kg)"	
	10-216000		"Platform capacity 750 Lbs (340 Kg)"	
	10-149900		"Platform capacity 800 Lbs (360 Kg)"	
	10-150000		"Platform capacity 1000 Lbs (450 Kg)"	
18	10-012900		DECAL, "FORWARD" WITH ARROW	2
19	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for some "Dual fuel" versions)	1
20	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for some "Dual fuel" versions)	1
21	215 7710		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for some "Dual fuel" versions)	1
22	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...") (for versions with optional tow package)	1
23			PLACARD, PLATFORM CONTROL VALVES	1
	10-157200		With " Electro-Proportional " controls: Standard ("Oil pressure/ overheat" indicator at top left)	
	10-161800		Fiber optic controls ("Low voltage" indicator at top left)	
	10-151500		Insulated ("Low voltage" indicator at top left, "Emergency stop" to right of "Off/ On/ Start" switch)	
	10-258900		Special Electric-powered ("Low voltage" indicator top left, seven light switches across top, Sensor ring switch.)	
			With " Full Hydraulic " controls:	
	10-145000	shown	Standard (Lexan)	
	10-241100		Optional (Stencil-cut aluminum)	
	10-241400		SPACER (needed with aluminum control placard)	6
	10-065400		With " Hydraport " controls: Black lettering on White. Two control levers.	
	10-225000		White lettering on Black. Three control levers.	
TITLE DECALS, MP 40 THRU MP 80 (PLATE 2 OF 3)				
PLATE NO. F99.10		SIMON AERIALS INC.		PART NO.
REV. 28 FEB., 1995				

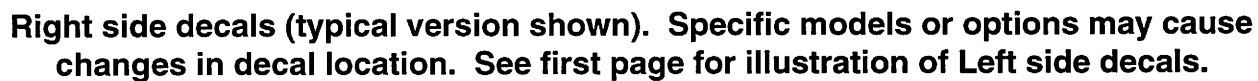


PLATE NO. F99.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
24	10-222300		DECAL, PLATFORM ELECTRICAL CONTROLS With " Full Hydraulic " controls Yellow background around Emergency stop button	1
	10-145900		Red background around Emergency stop button	
25	10-224800		DECAL, "DRIVE SPEED . . ." (with optional 2 speed drive)	1
26			PLACARD, PLATFORM LEVEL AND ROTATE CONTROLS	1
	10-147400	shown	Standard (Lexan)	
	10-241200		Optional (Stencil-cut aluminum)	
	10-241400		SPACER (needed with aluminum control placard)	4
27	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
28	10-012000		DECAL, "CONTROL INSTRUCTIONS . . ." (with " Hydraport " controls)	1
29	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
30	10-105900		DECAL, "SIMON" NAME (White, 5" [127 mm] high)	1
31	10-131200		DECAL, MODEL "MP 40"	2
	10-133300		DECAL, MODEL "MPH 42"	2
	10-132000		DECAL, MODEL "MP 50"	2
	10-131100		DECAL, MODEL "MP 60"	2
	10-133400		DECAL, MODEL "MPH 60"	2
	10-132100		DECAL, MODEL "MP 70"	2
	10-132200		DECAL, MODEL "MP 80"	2
32	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	2
33	10-121600		DECAL, "MADE IN U.S.A."	1
34	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed)	A.R.
35	10-126900		DECAL, STRIPE ([3] Dk Gray stripes, 2-1/8" [54 mm] wide) (Bulk item, order as needed)	A.R.
36	10-031000		"SAF STEP" (Black) (4" [102 mm] wide x 60 Ft [18.3 M] long roll)	A.R.
			The following items are used on some special versions:	
37	10-123000		DECAL, "CHARGER PLUG"	1
38	10-123100		DECAL, "MOTOR PLUG"	1

TITLE DECALS, MP 40 THRU MP 80 (PLATE 3 OF 3)

PLATE NO. F99.10

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART NO.

