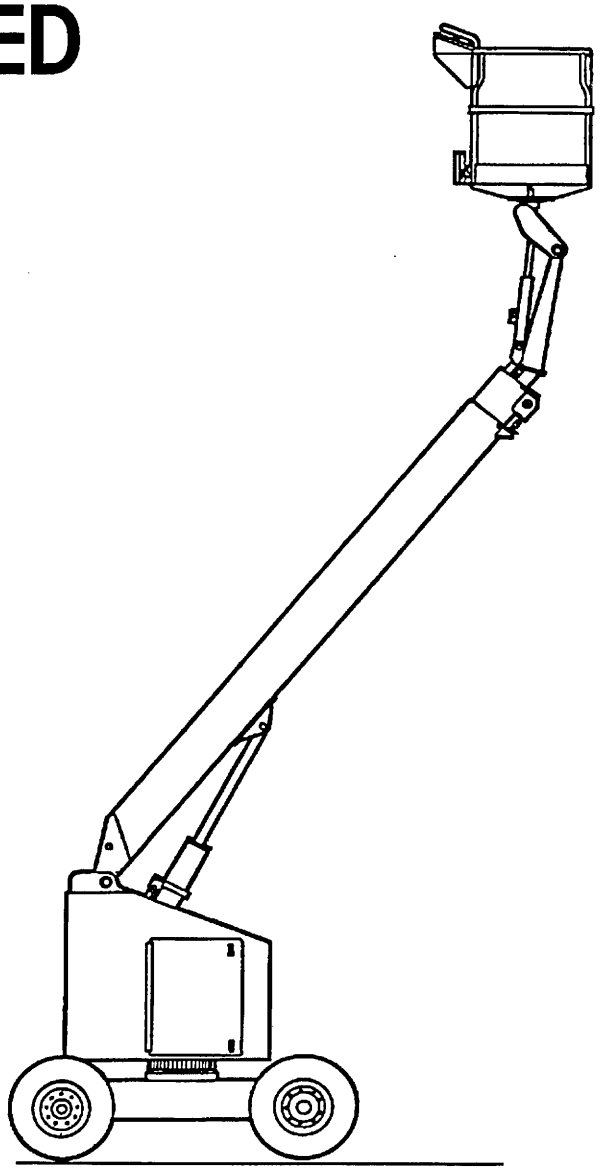
TEREX AERIALS
Milwaukee, Wisconsin

MODEL MPN 55

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER

_____



Part No. 89-151005

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.

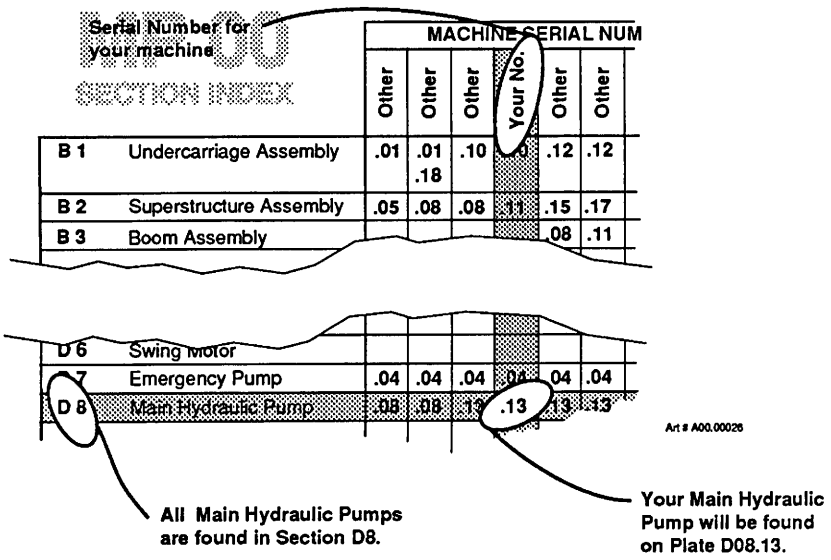
The Parts Catalog is divided into "Sections", numbered from B 1 through F 99. Each section contains the individual parts that make up a major component, assembly or item.

- 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.

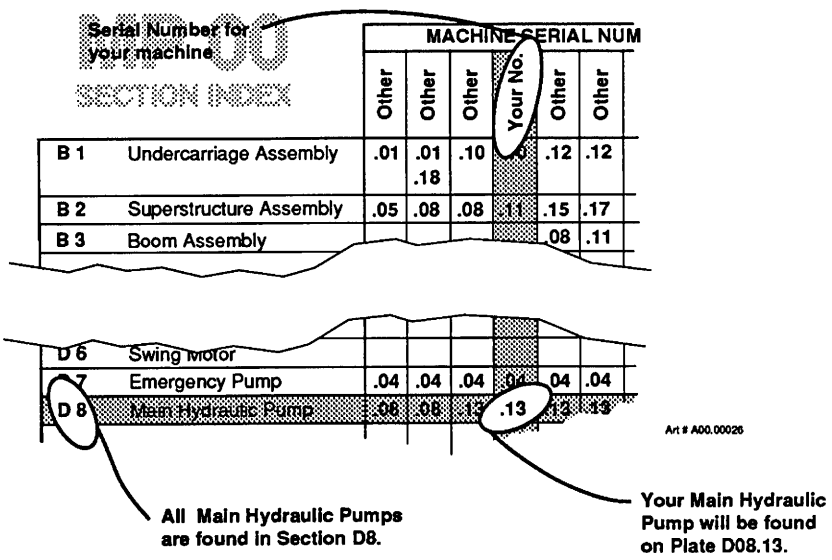
When selecting parts for a specific machine, be sure to verify the machine model number, and serial number or date code (found on the data plate).



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.

⚠ CAUTION

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.

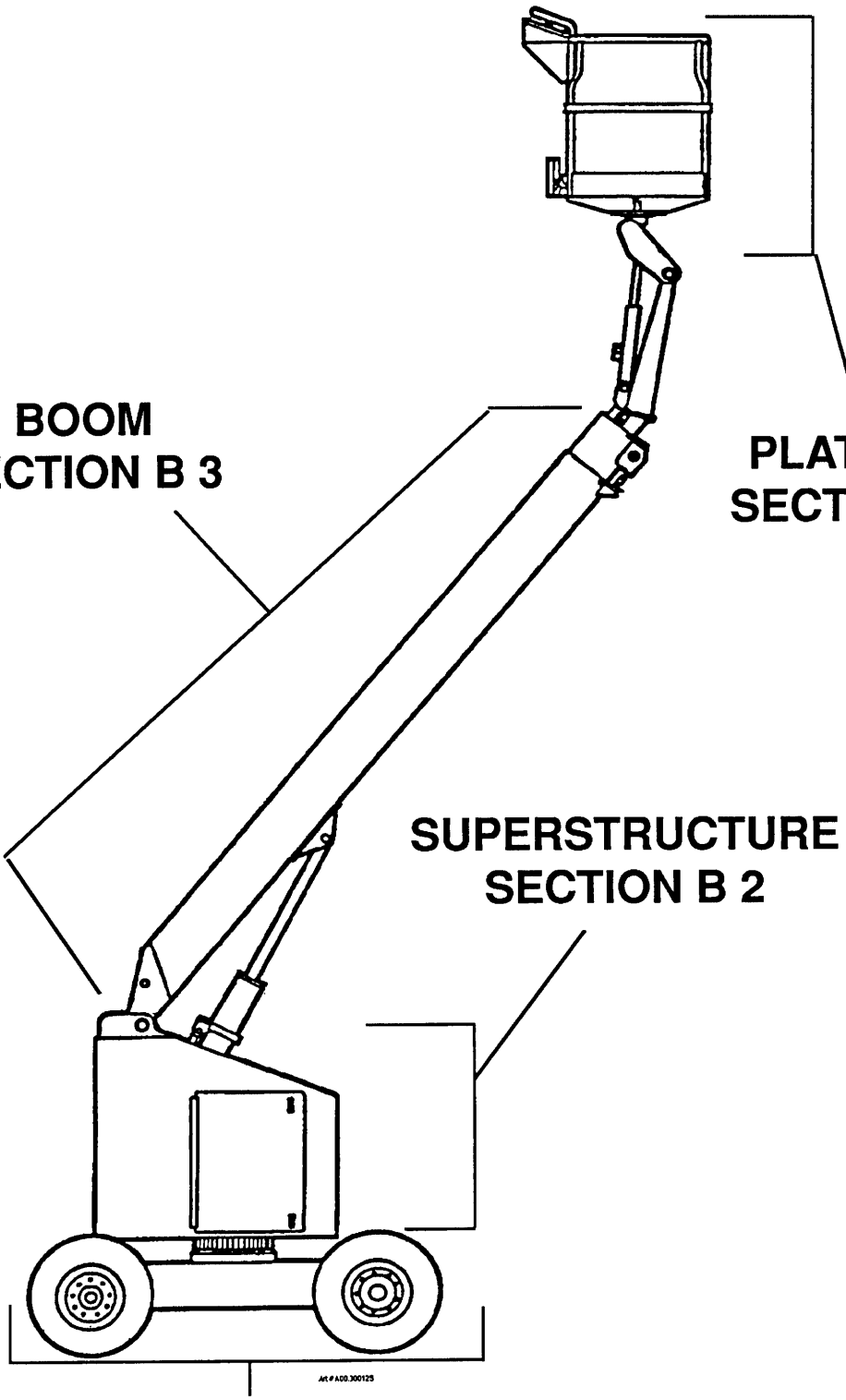
If a part number is not listed for a selected item, please provide this additional information:

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.

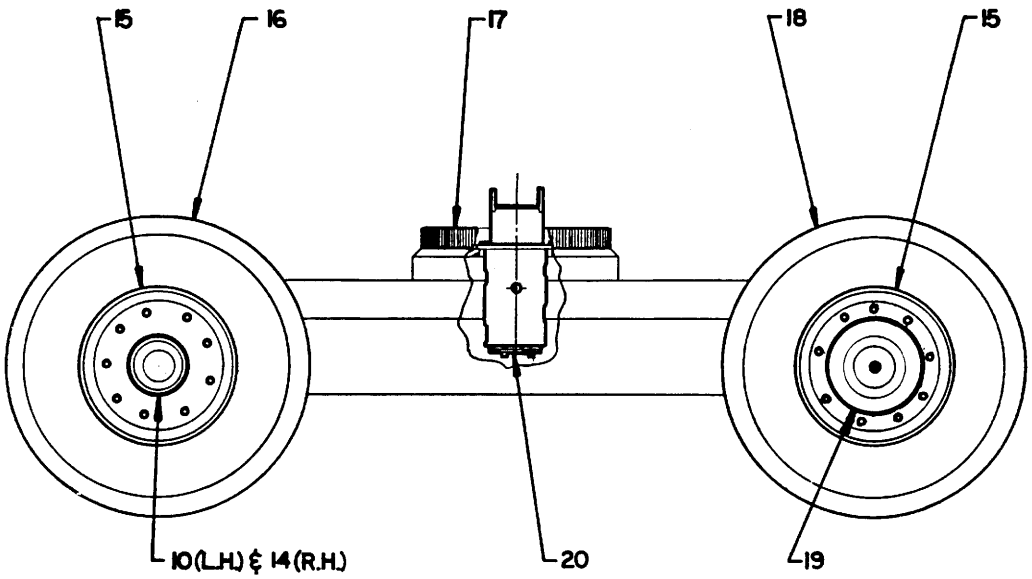


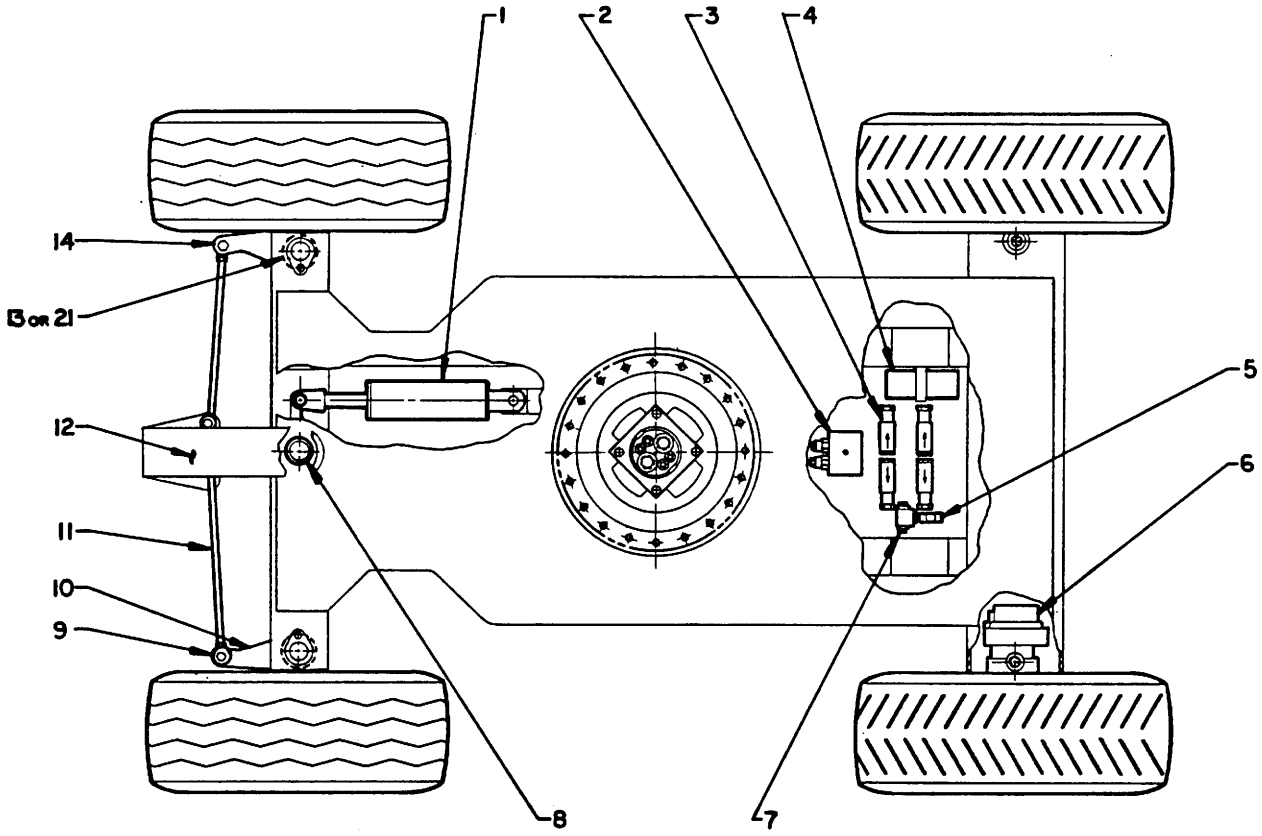
TITLE	PRIMARY MACHINE COMPONENT GROUPS	
SIMON AERIALS INC.	PART NO.	PLATE NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	D1	STEER CYLINDER	1
2	01-012400		MOTION CONTROL VALVE (0884)	1
3	01-036100		FLOW CONTROL VALVE 17 GPM	4
4	01-001500	D4.1	ACCUMULATOR	1
5	01-000500		NEEDLE VALVE	1
6	SEE INDEX	D3	DRIVE MOTOR/BRAKE	2
7	01-001400		SHUTTLE VALVE (TO 08/84)	1
8	08-002000		FLANGE BUSHING	2
9	08-007100		TIE ROD END	4
10	SEA-206183-4	C1.6	L.H. SPINDLE ASSEMBLY	1
11	UCD-201994-1		TIE ROD	2
12	SDW-200420-8		CENTER STEER ARM	1
13	08-004200		THRUST WASHER (TO 09/84)	2
14	SEA-206184-7	C1.5	R.H. SPINDLE ASSEMBLY	1
15	SDW-202256-7		RIM	4
16	02-001500		STEER TIRE	2
17	08-000200		SWING BEARING	1
18	02-001400		DRIVE TIRE	2
19	SEE INDEX	F1	TORQUE HUB	2
20	SEE INDEX	D2	HYDRAULIC SWIVEL	1
21	08-014100		THRUST WASHER (09/84)	2

DESCRIPTION	PART NO.
UNDERCARRIAGE ASSEMBLY	CAA-207238-6





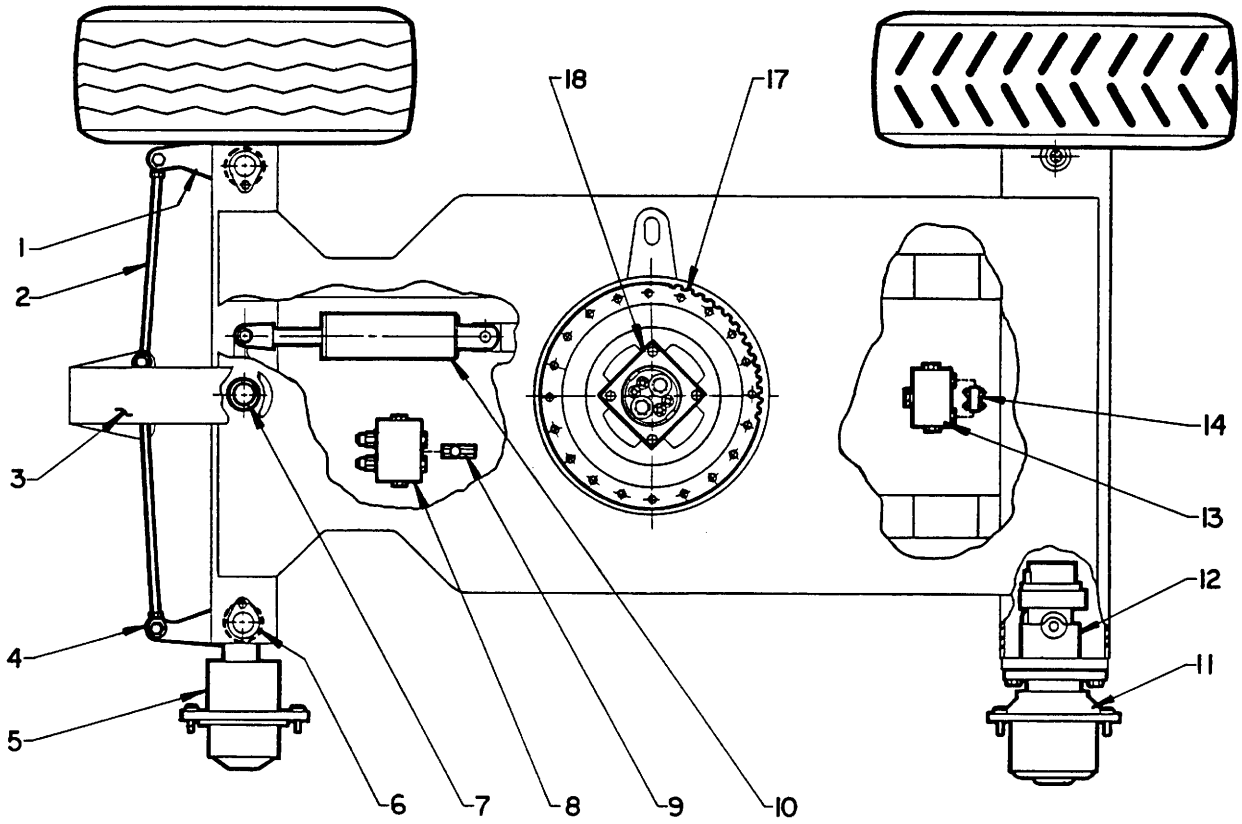
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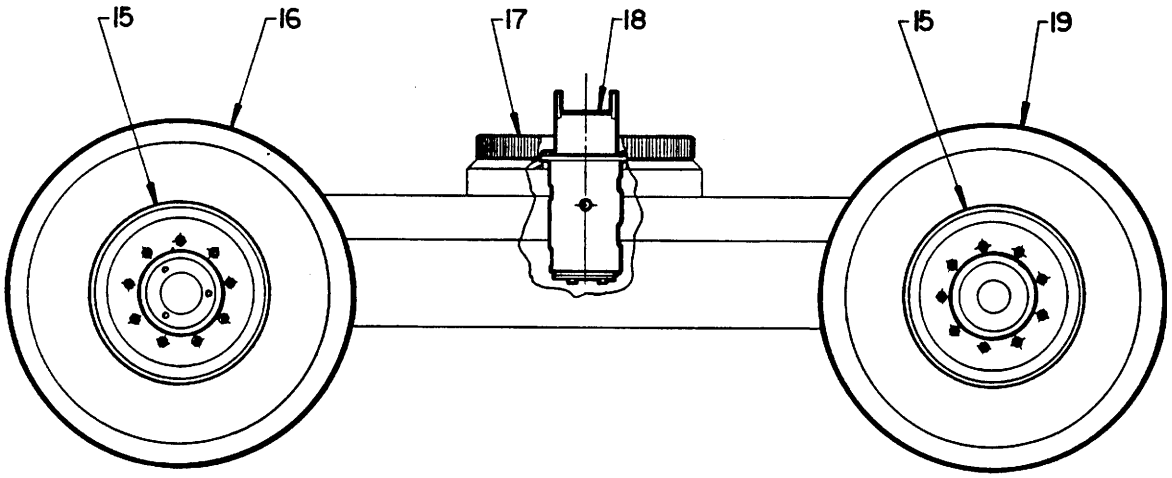
DESCRIPTION	PART NO.
UNDERCARRIAGE ASSEMBLY	CAA-207238-6

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEA-206184-7	C1.5	R.H. SPINDLE ASSEMBLY	1
2	UCD-201994-1		TIE ROD	2
3	SDW-200420-8		CENTER STEER ARM	1
4	08-007100		TIE ROD END	4
5	SEA-206183-4	C1.6	L.H. SPINDLE ASSEMBLY	1
6	08-014100		THRUST WASHER	2
7	08-002000		FLANGE BUSHING	1
8	01-012400		MOTION CONTROL VALVE	1
9	01-000500		NEEDLE VALVE	1
10	SEE INDEX	D1	STEER CYLINDER	1
11	SEE INDEX	F1	TORQUE HUB	2
12	SEE INDEX	D3	DRIVE MOTOR/BRAKE	2
13	01-018800		FLOW DIVIDER/COMBINER	1
14	01-034800		GATE VALVE	1
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-209804-5





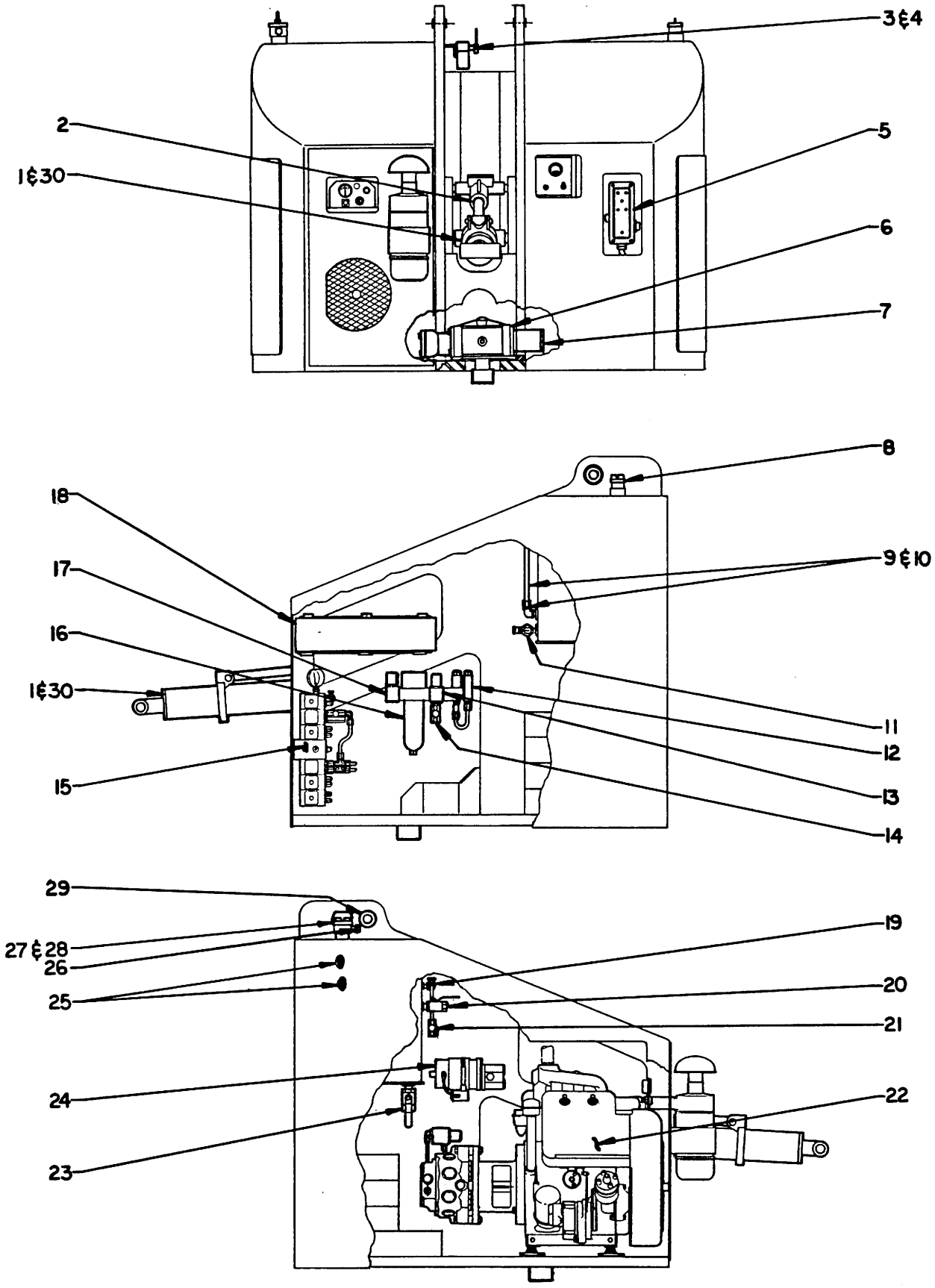
1085/1085

DESCRIPTION	PART NO.
UNDERCARRIAGE ASSEMBLY	CAA-209804-5

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	D9	LIFT CYLINDER	1
2	SEE INDEX	D10	MASTER LEVELING CYLINDER	1
3	03-021400		LIMIT SWITCH	1
4	03-026200		LEVER ARM, LIMIT SWITCH	1
5	SEE INDEX	C6	REMOTE CONTROL ASSEMBLY	1
6	SEE INDEX	F2	SWING DRIVE	1
7	SEE INDEX	D6	SWING MOTOR	1
8	10-001900		FILLER CAP, FUEL	1
9	05-010008		SIGHT GAUGE, FUEL	1
10	05-010011		ELBOW, FUEL GAUGE	2
11	01-032800		SHUT OFF VALVE, 1/4"	1
12	01-008900-1		RELIEF VALVE, LEVELING (SBD-201515-4)	2
13	01-034400		SOLENOID VALVE, HIGH SPEED	1
14	01-000500		NEEDLE VALVE	1
15	SEE INDEX	C2	VALVE BANK ASSEMBLY	1
16	SEE INDEX	D11	HIGH PRESSURE FILTER	1
17	01-037100		SOLENOID VALVE, LOW SPEED	1
18	SEE INDEX	C3	GROUND CONTROL BOX	1
19	01-002800		SHUT OFF VALVE, 1/2"	1
20	01-020600		SHUT OFF VALVE, 3/4"	1
21	01-000500		NEEDLE VALVE, (TO 08/84)	1
22	SEE INDEX	C4	ENGINE ASSEMBLY	1
23	01-002700		SHUT OFF VALVE, 1-1/4"	1
24	SEE INDEX	D7	EMERGENCY PUMP	1
25	10-033700		SIGHT GLASS	2
26	01-008200		VENT PLUG W/FILTER	1
27	10-002100		FILLER CAP, HYDRAULIC FLUID	1
28	10-001000		STRAINER	1
29	08-000800		BEARING, BOOM PIVOT	2
30	04-021402		HOLDING VALVE, LIFT CYLINDER	1

DESCRIPTION	PART NO.
SUPERSTRUCTURE ASSEMBLY	CAA-207236-2



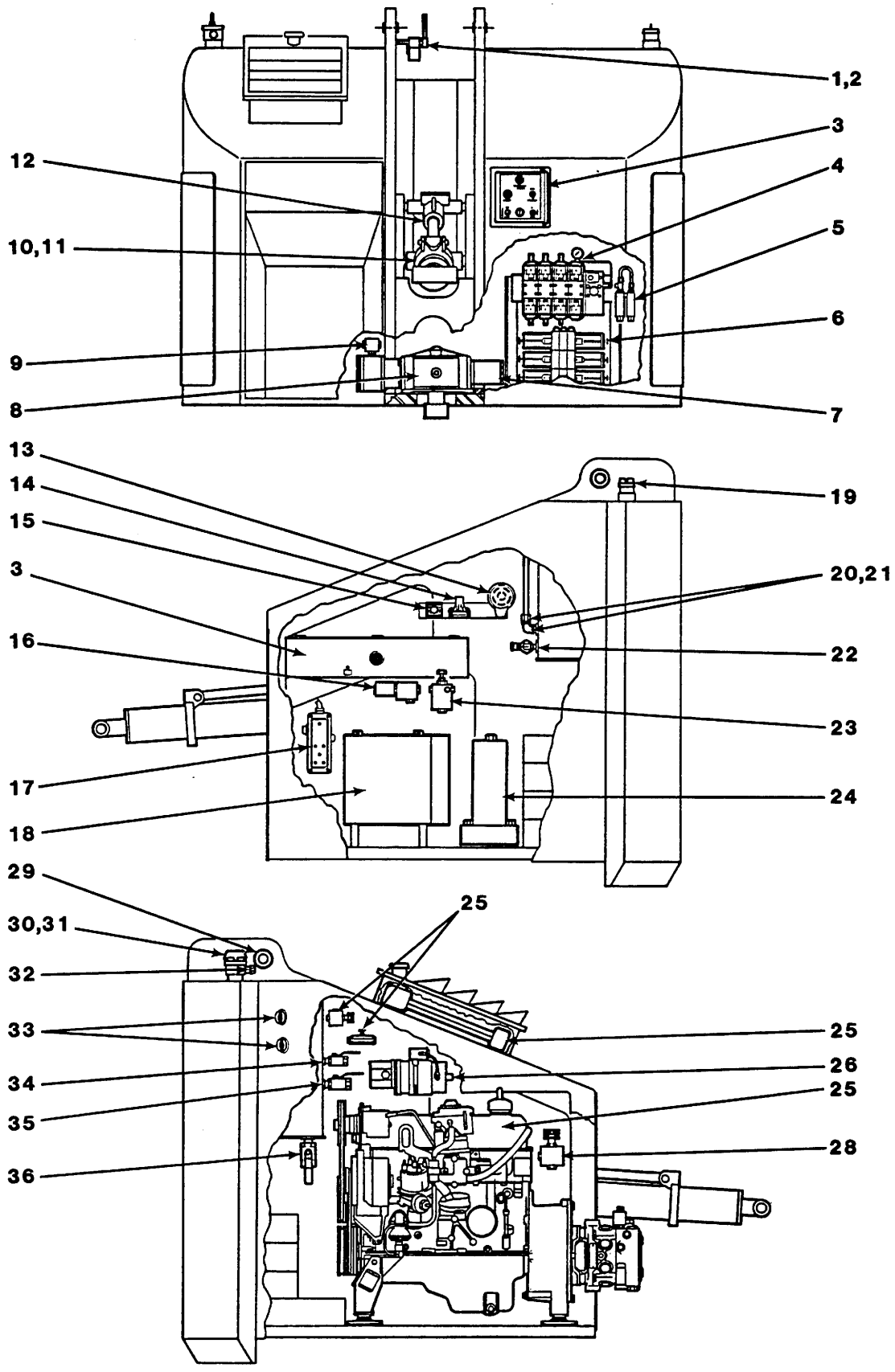
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DESCRIPTION	PART NO.
SUPERSTRUCTURE ASSEMBLY	CAA-207236-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-021400		LIMIT SWITCH	1
2	03-026200		LEVER ARM, LIMIT SWITCH	1
3	SEE INDEX	C3	GROUND CONTROL BOX	1
4	SEE INDEX	C2	VALVE BANK (DRIVE,EXTEND,HOIST,SWING)	1
5	01-008900		RELIEF VALVE,LEVELING	2
6	SEE INDEX	C2	VALVE BANK(STEER,PLATFORM LEVEL,ROTATE)	1
7	SEE INDEX	D6	SWING MOTOR	1
8	SEE INDEX	F2	SWING REDUCER	1
9	01-013800		SHUTTLE VALVE, #6 SAE PARTS	1
10	SEE INDEX	D9	LIFT CYLINDER	1
11	04-021402		HOLDING VALVE,LIFT CYLINDER(NOT SHOWN)	1
12	SEE INDEX	D10	MASTER LEVELING CYLINDER	1
13	03-038300		HORN	1
14	03-038100		TILT ALARM	1
15	03-036100		MOVEMENT ALARM	1
16	01-037100		SOLENOID VALVE, 2-SPEED DRIVE	1
17	SEE INDEX	C6	REMOTE CONTROL ASSEMBLY (PENDANT)	1
18	SEE INDEX	C3	GRAND CONTROL BOX (CONTROL CARDS)	1
19	10-001900		FILLER CAP, FUEL	1
20	05-010008		SIGHT GAUGE, FUEL	1
21	05-010011		ELBOW, FUEL GAUGE	2
22	01-032800		SHUTOFF VALVE, ¼"	1
23	01-012800		PRESSURE REDUCING VALVE	1
24	SEE INDEX	D11	HIGH PRESSURE FILTER	1
25	SEE INDEX	C4	ENGINE ASSEMBLY	1
26	SEE INDEX	D7	EMERGENCY PUMP	1
28	01-061800		SEQUENCE VALVE	1
29	08-000800		BEARING, BOOM PIVOT	2
30	10-002100		FILLER CAP, HYDRAULIC OIL	1
31	10-001000		STRAINER	1
32	01-008200		VENT PLUG W/FILTER	1
33	10-033700		SIGHT GLASS	2
34	01-002800		SHUTOFF VALVE, ½"	1
35	01-020600		SHUTOFF VALVE, 3/4"	1
36	01-002700		SHUTOFF VALVE, 1-¼"	1

DESCRIPTION	PART NO.
SUPERSTRUCTURE ASSEMBLY	



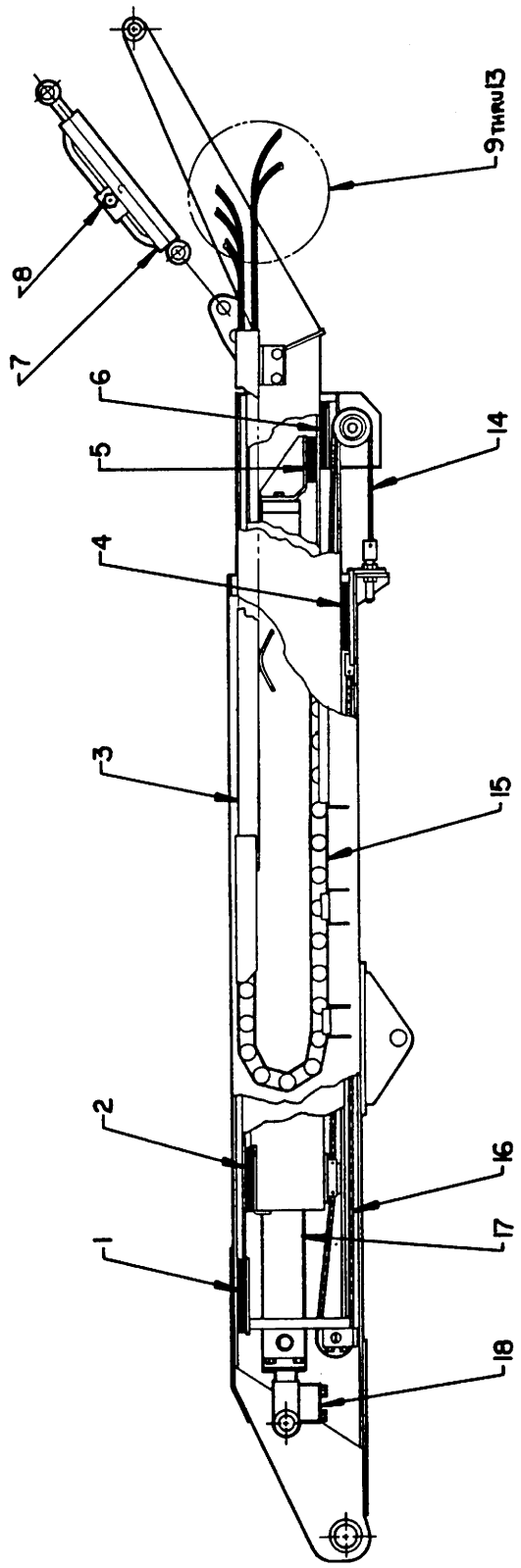
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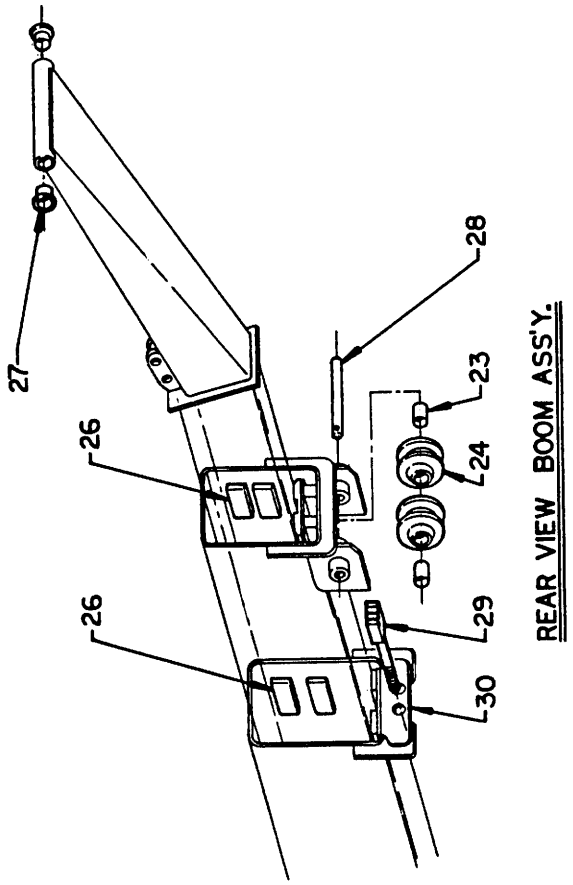
DESCRIPTION	PART NO.
SUPERSTRUCTURE ASSEMBLY	

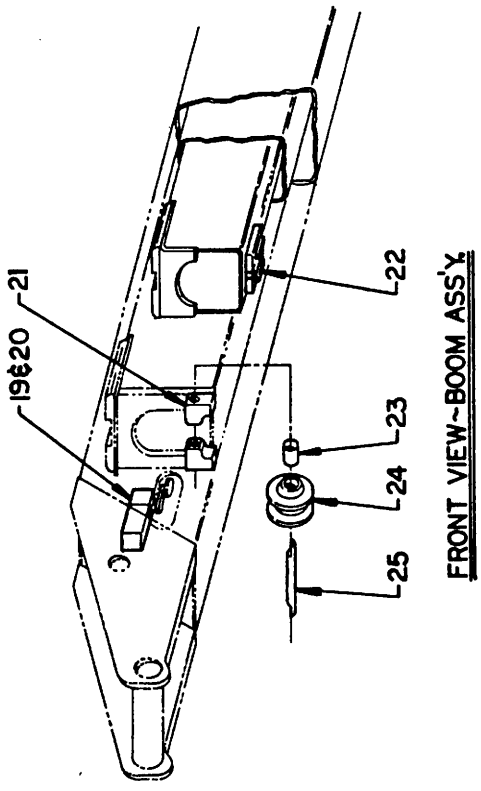
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SBD-207205-4		SLIDER PAD, MID BOOM (TOP-FRONT)	1
2	SBD-207204-3		SLIDER PAD, TIP BOOM (TOP-FRONT)	1
3			MOVING ANCHOR	1
4	UBD-201279-1		SLIDER PAD, BASE BOOM (BOTTOM-REAR)	2
5	SAD-205381-3		SLIDER PAD, EXTEND CYLINDER	1
6	SBD-207204-3		SLIDER PAD, MID BOOM (BOTTOM-REAR)	1
7	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
8	SEE INDEX	D21	HOLDING VALVE, SLAVE CYLINDER	2
9			HYDRAULIC HOSE, HPC PRESSURE	1
10			HYDRAULIC HOSE, HPC RETURN	1
11			HYDRAULIC HOSE, SLAVE CYLINDER ROD	1
12			HYDRAULIC HOSE, SLAVE CYLINDER CASE	1
13	03-085000		MULTI CONDUCTOR CABLE	85FT
14	08-013800		REAR (OUTSIDE) CHAIN, 327 LINKS	2
15	SEE INDEX	F3	HOSE TRACK	1
16	08-013900		FRONT (INSIDE) CHAIN, 325 LINKS	1
17	SEE INDEX	D19	EXTEND CYLINDER	1
18	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
19	03-021400		LIMIT SWITCH	1
20	03-026000		LEVER ARM, LIMIT SWITCH	1
21	SBW-205136-1		ANCHOR BLOCK, CHAIN SHEAVE PIN	2
22	SBW-207208-5		CHAIN ANCHOR BLOCK	1
23	08-009000		SLEEVE BEARING (DRILL GREASE HOLE AT ASSEMBLY)	3
24	SCD-207206-3		SHEAVE W/GREASE ZERK	3
25			PIN, FRONT CHAIN SHEAVE	1
26	SBA-204648-4		SIDE SLIDER PAD	8
27	08-002200		FLANGE BUSHING	2
28			PIN, REAR CHAIN SHEAVE	1
29	SBD-205122-8		CHAIN ADJUSTING SCREW	2
30	SCW-205127-7		ANCHOR PLATE, REAR CHAIN	1

DESCRIPTION	PART NO.
BOOM ASSEMBLY	CAA-207234-2







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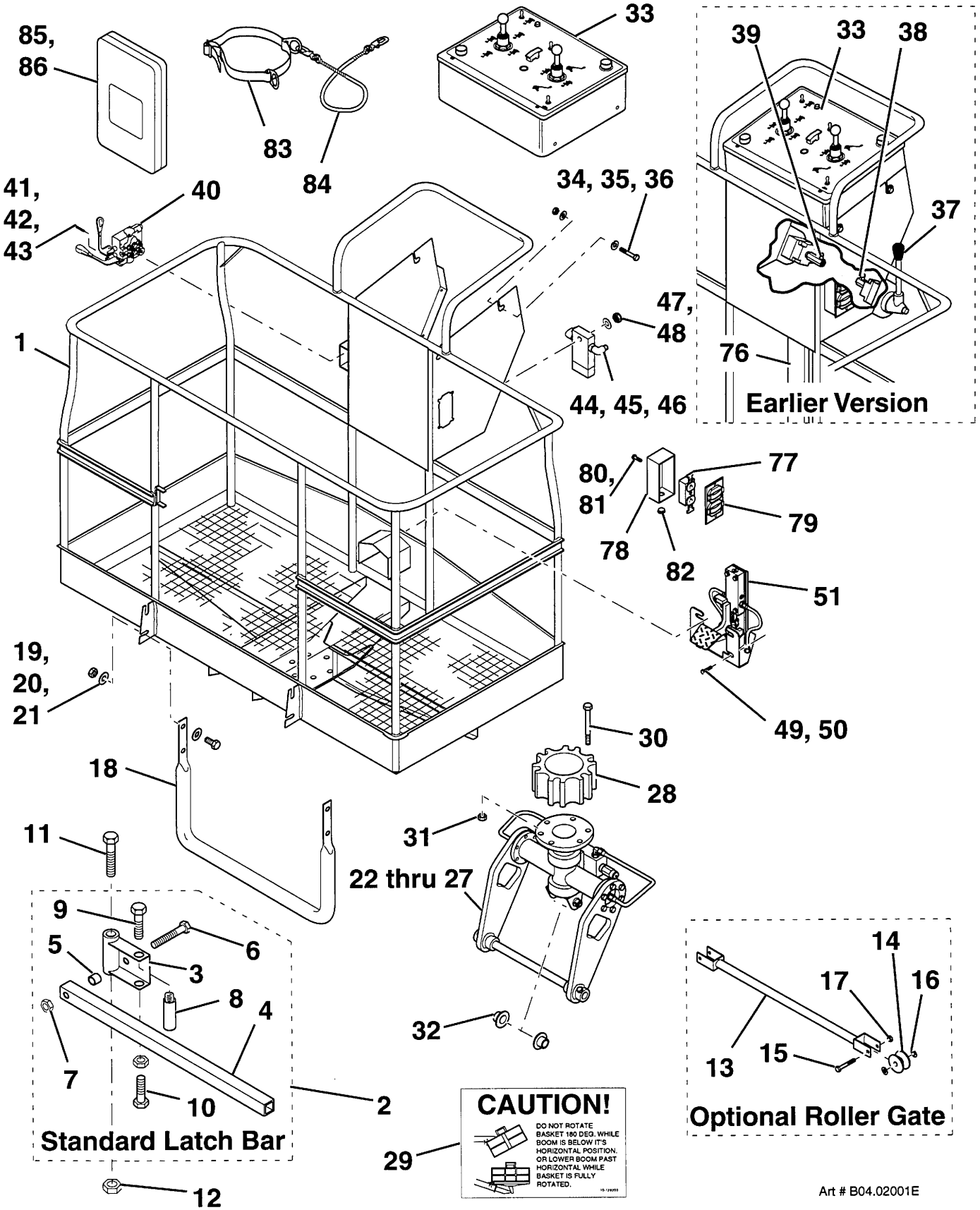
DESCRIPTION	PART NO.
BOOM ASSEMBLY	CAA-207234-2

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT	
			(Standard type, with Rotary Actuator mounted **under** floor)	1
			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:	
	205 6409		**MP** Series (36" x 72" [.91 M x 1.83 M])	
	205 6399		**MPN** Series (36" x 60" [.91 M x 1.52 M])	
			Second type, **without** separate hose channel:	
	211 7580		**MP** Series (36" x 72" [.91 M x 1.83 M]) (**Standard**)	
	211 7640		**MP** Series (36" x 96" [.91 M x 2.44 M]) (**Optional**)	
	211 7520		**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 5280		**MP** Series (36" x 72" [.91 M x 1.83 M]) (**Standard**)	
	230 5310		**MP** Series (36" x 96" [.91 M x 2.44 M]) (**Optional**)	
	230 5250		**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	07-003053		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			STEP, PLATFORM	1
	214 6800		Standard version (17-1/2" [.44 M] high)	
	219 8710		Optional longer step (21-1/2" [.55 M] high)	
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.		PART NO.
B04.02	**SIMON AERIALS INC.** REV. 07 DEC., 1994	

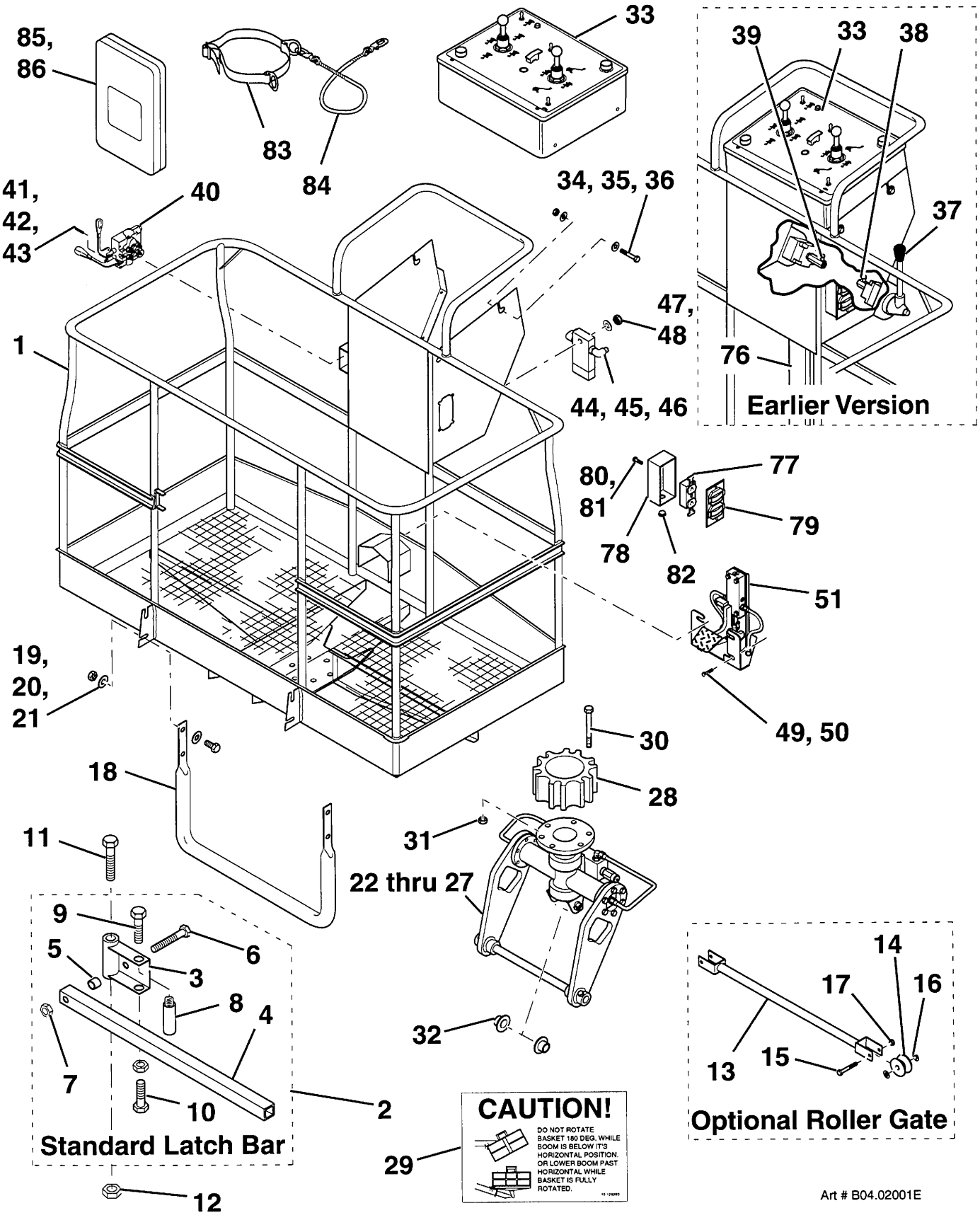


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)		
SIMON AERIALS INC.	REV. 07 DEC., 1994	PART NO.	PLATE NO. B04.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	See Index . .	D24. - -	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
23			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
24			PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end)	
	206 8879		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.

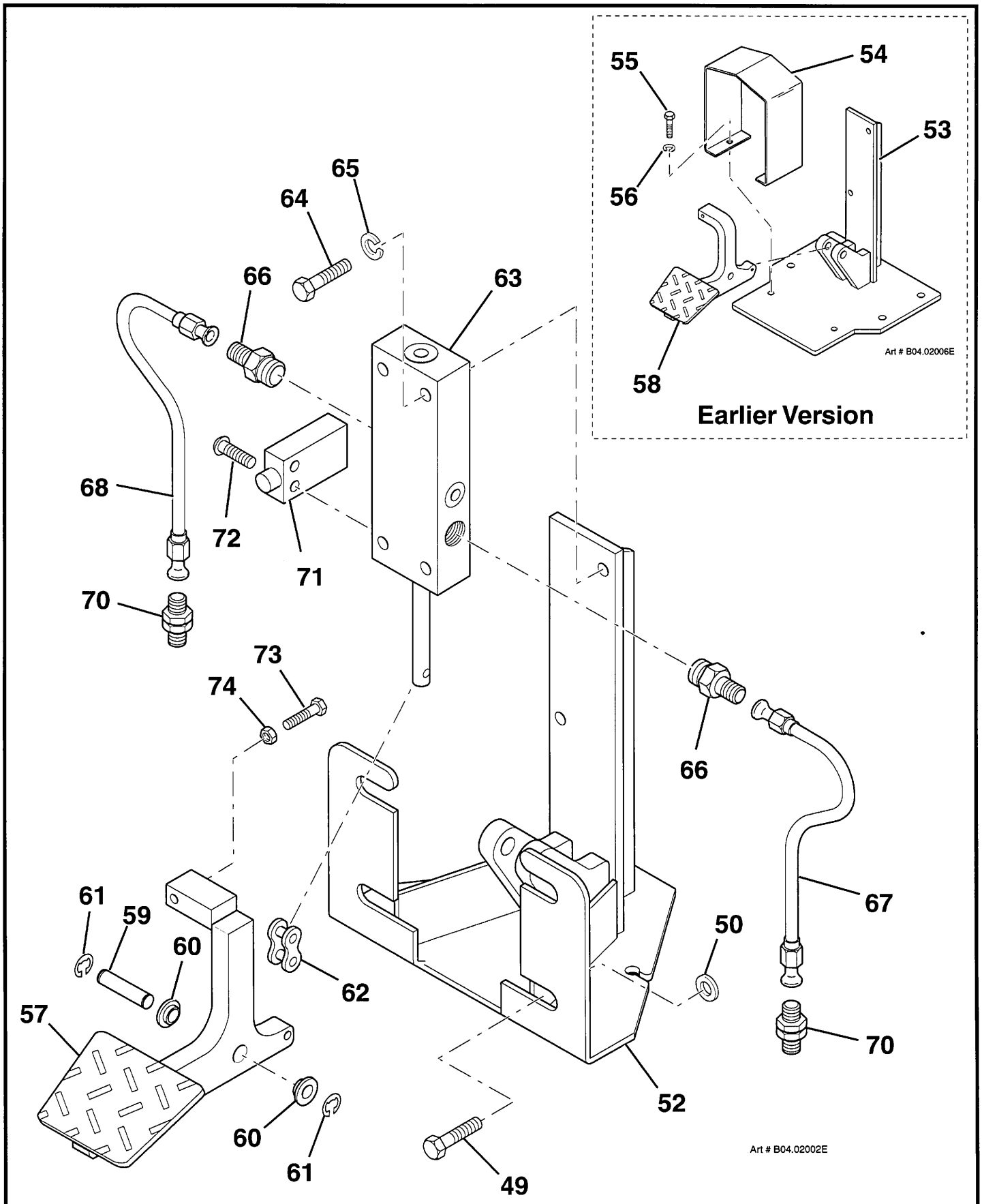


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 4)		
SIMON AERIALS INC.	REV. 07 DEC., 1994	PART NO.	PLATE NO. B04.02

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.

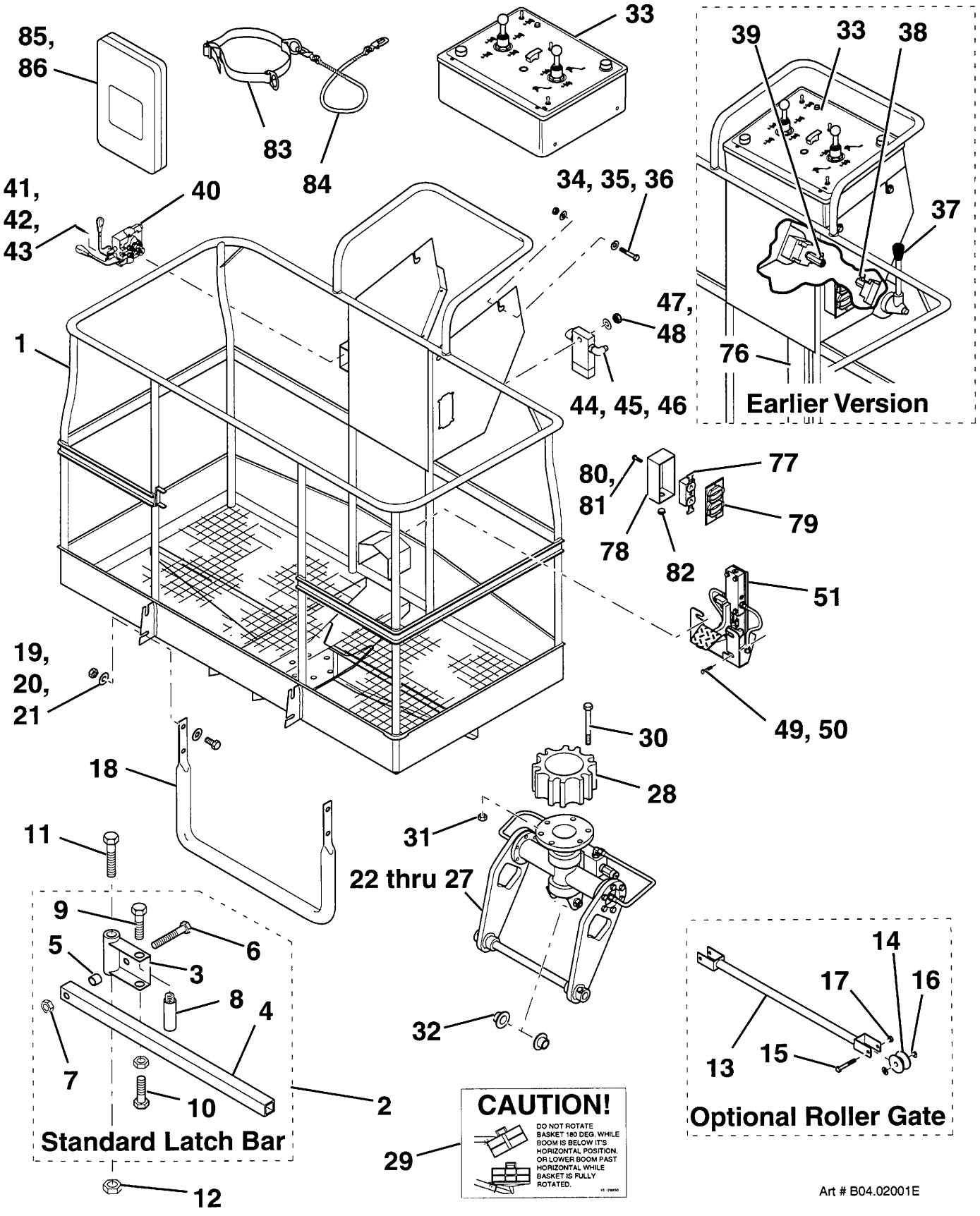


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 4)		
SIMON AERIALS INC.	REV. 07 DEC., 1994	PART NO.	PLATE NO. B04.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
76	205 6766		TRAY, HOSE (Hose channel) (Separate item, for first type.)	1
77	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
78	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
79	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
80	07-011355		MACHINE SCREW, ROUND HEAD (#10-24 x 3/4")	2
81	07-050011		NUT, LOCK (#10-24, Grade 2)	2
82	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
83	10-034000		BELT, SAFETY	1
84	10-033900		LANYARD, SAFETY BELT	1
85	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
86	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
87	10-042500		COVER, CONSOLE CONTROLS (black vinyl) (option)	1
88	10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
89	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
90	353 7380		HOSE KIT, PLATFORM	1
			The following are also found on platform assemblies:	
91	205 4670		CLAMP, HOSE (2 hole, #4)	A.R.
92	07-062014		WASHER, FLAT (1/4")	A.R.
93	07-050014		NUT, LOCK (1/4"-20, Grade 5)	A.R.
94	03-066400		TIE, CABLE (20" [508 mm] long)	A.R.
95	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	A.R.
96	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
97	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
98	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 4 OF 4)		
PLATE NO. B04.02	**SIMON AERIALS INC.**	REV. 07 DEC., 1994	PART NO.

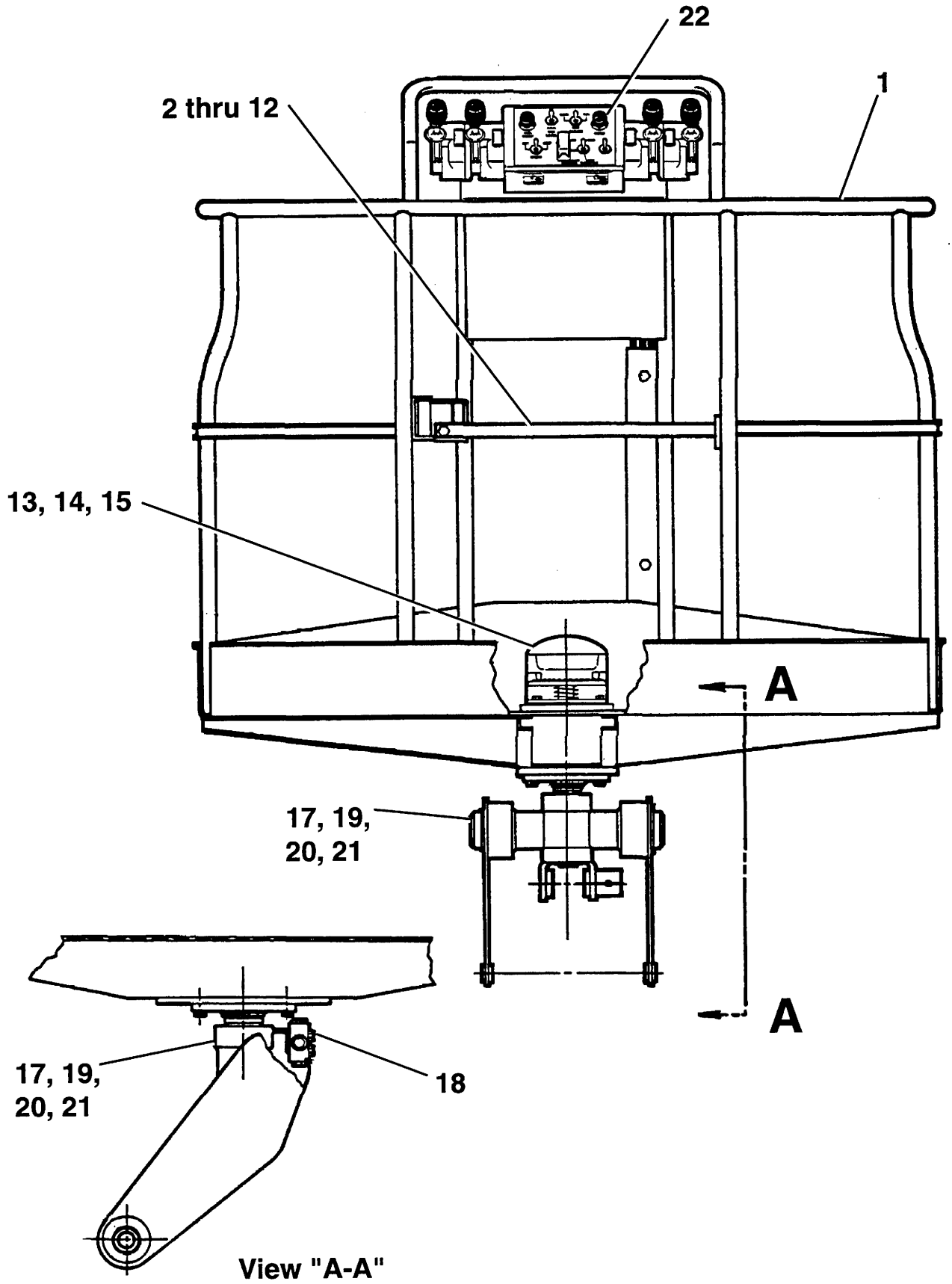


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 4 OF 4)		
SIMON AERIALS INC.	REV. 07 DEC., 1994	PART NO.	PLATE NO. B04.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted **under** floor) For **Earliest** style Electro-Proportional controls (with 4	1
			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**)	
	211 7610 211 7550			
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.**

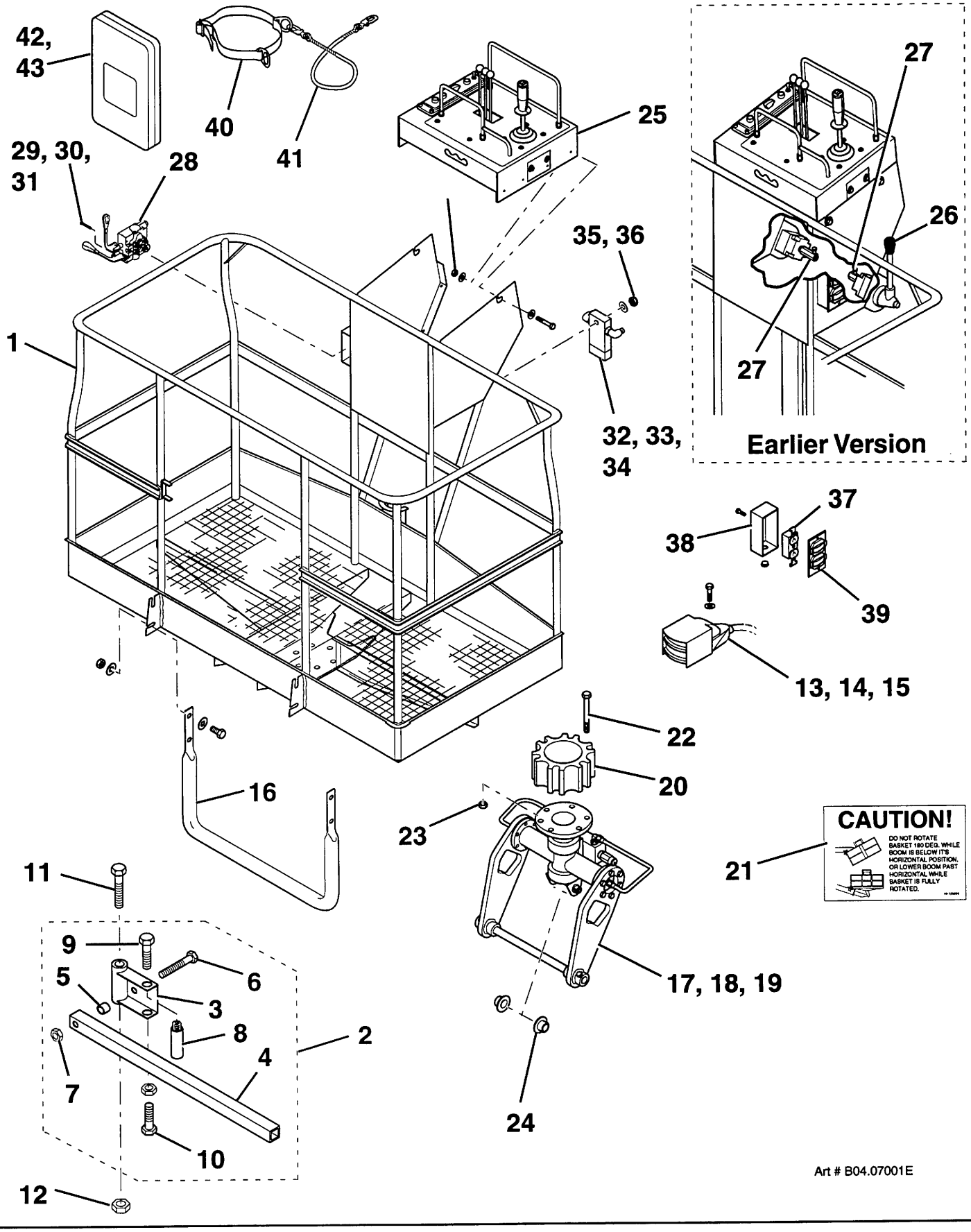


TITLE	PLATFORM ASSEMBLY, MP SERIES		
SIMON AERIALS INC. REV. 01 DEC., 1994		PART NO.	PLATE NO. B04.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT	
			(Standard type, with Rotary Actuator mounted **under** floor)	1
			For **Full Hydraulic** controls (4 "Joysticks"):	
			Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console:	
	209 6054		**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			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)	
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.** NEW 01 DEC., 1994	PART NO.

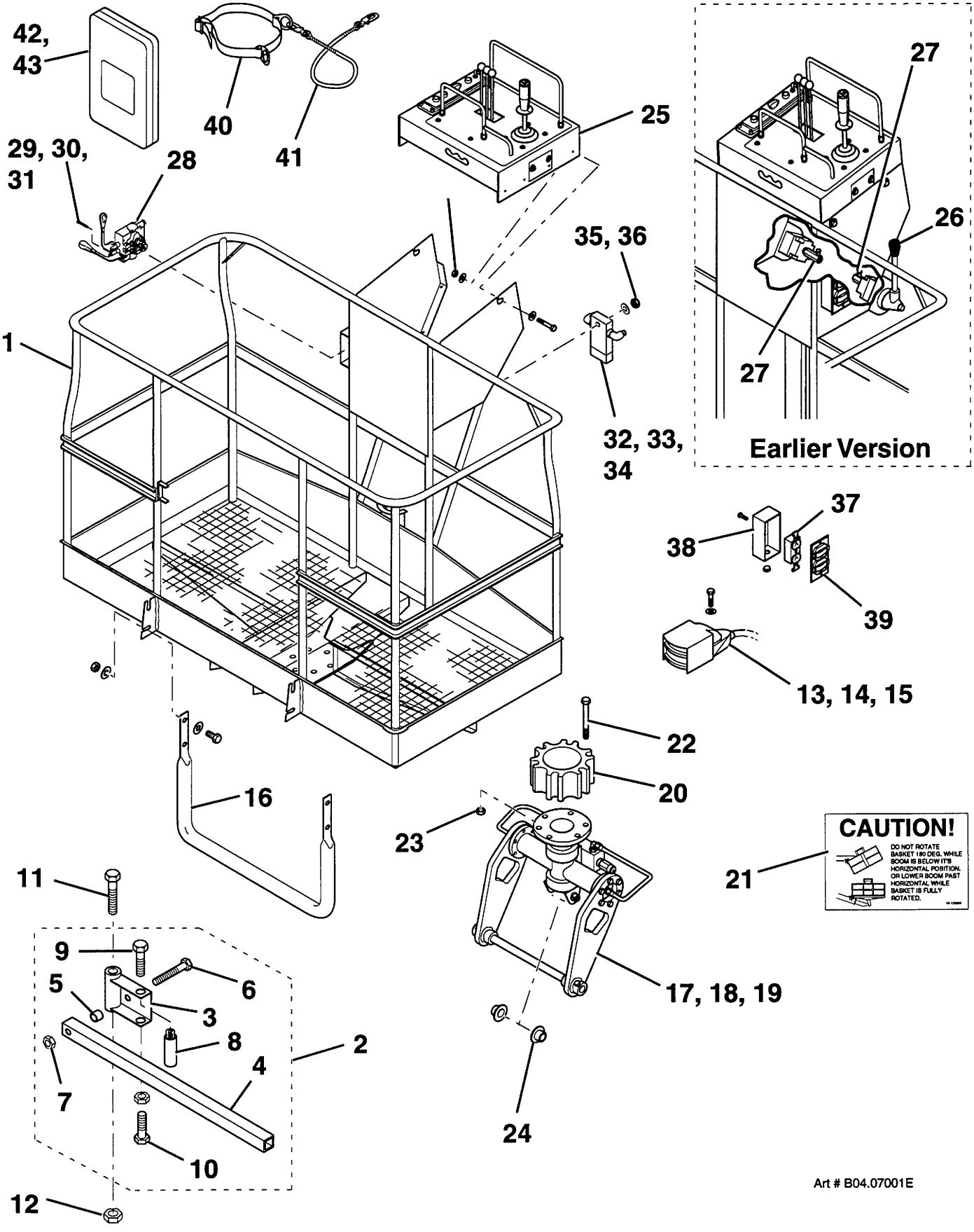


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 2)		
SIMON AERIALS INC.	NEW 01 DEC., 1994	PART NO.	PLATE NO. B04.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22			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**	
23	07-058400		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.**



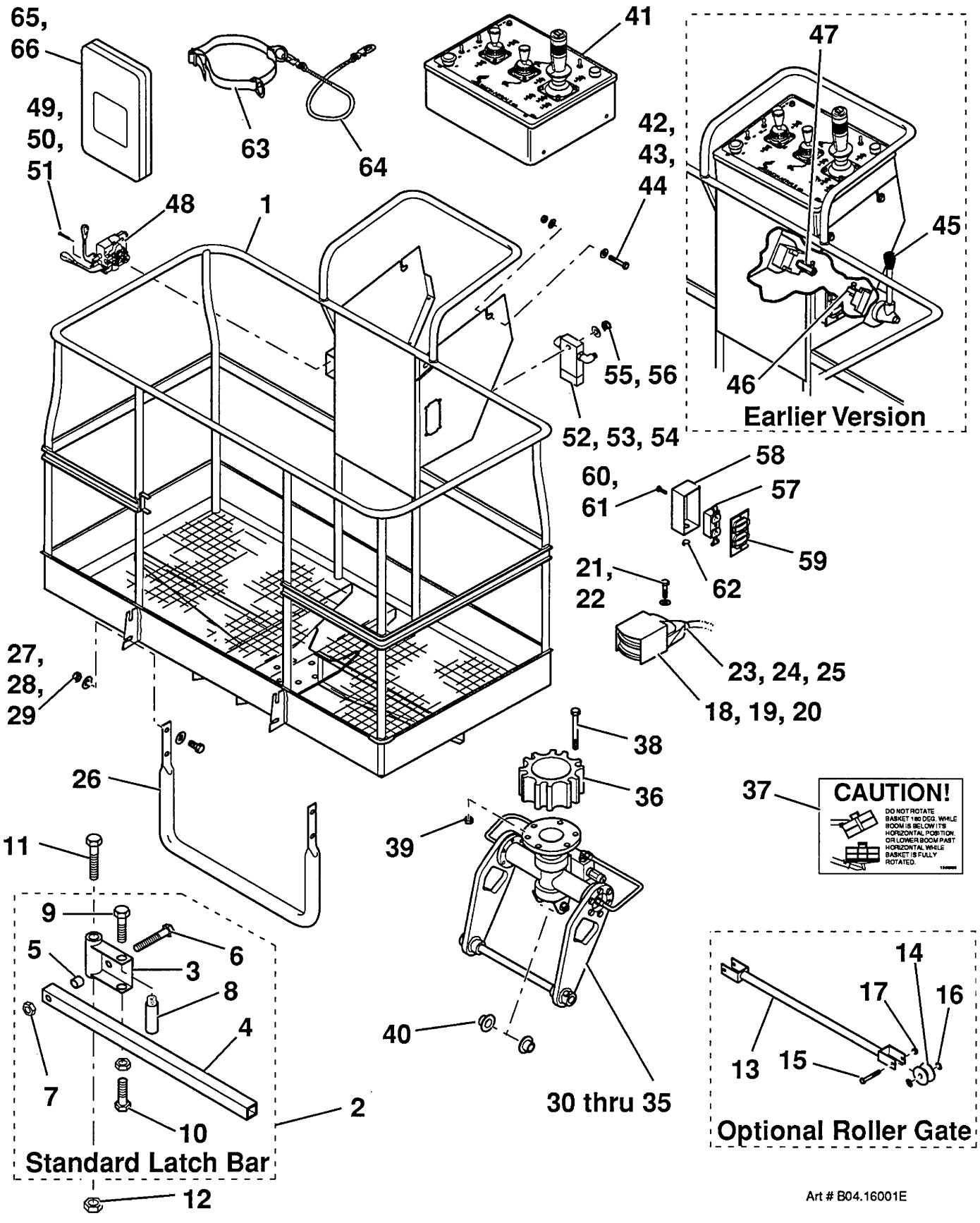
TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 2)		
SIMON AERIALS INC.	NEW 01 DEC., 1994	PART NO.	PLATE NO. B04.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT	
			(Standard type, with Rotary Actuator mounted **under** floor)	1
			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:	
	210 1540		**MP** Series (36" x 72" [.91 M x 1.83 M]) (**Standard**)	
	Call Simon		**MP** Series (36" x 96" [.91 M x 2.44 M]) (**Optional**)	
	Call Simon		**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 5290		**MP** Series (36" x 72" [.91 M x 1.83 M]) (**Standard**)	
	230 5320		**MP** Series (36" x 96" [.91 M x 2.44 M]) (**Optional**)	
	230 5260		**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.

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

PLATE NO. B04.16 | **SIMON AERIALS INC.** NEW 01 DEC., 1994 | PART NO.

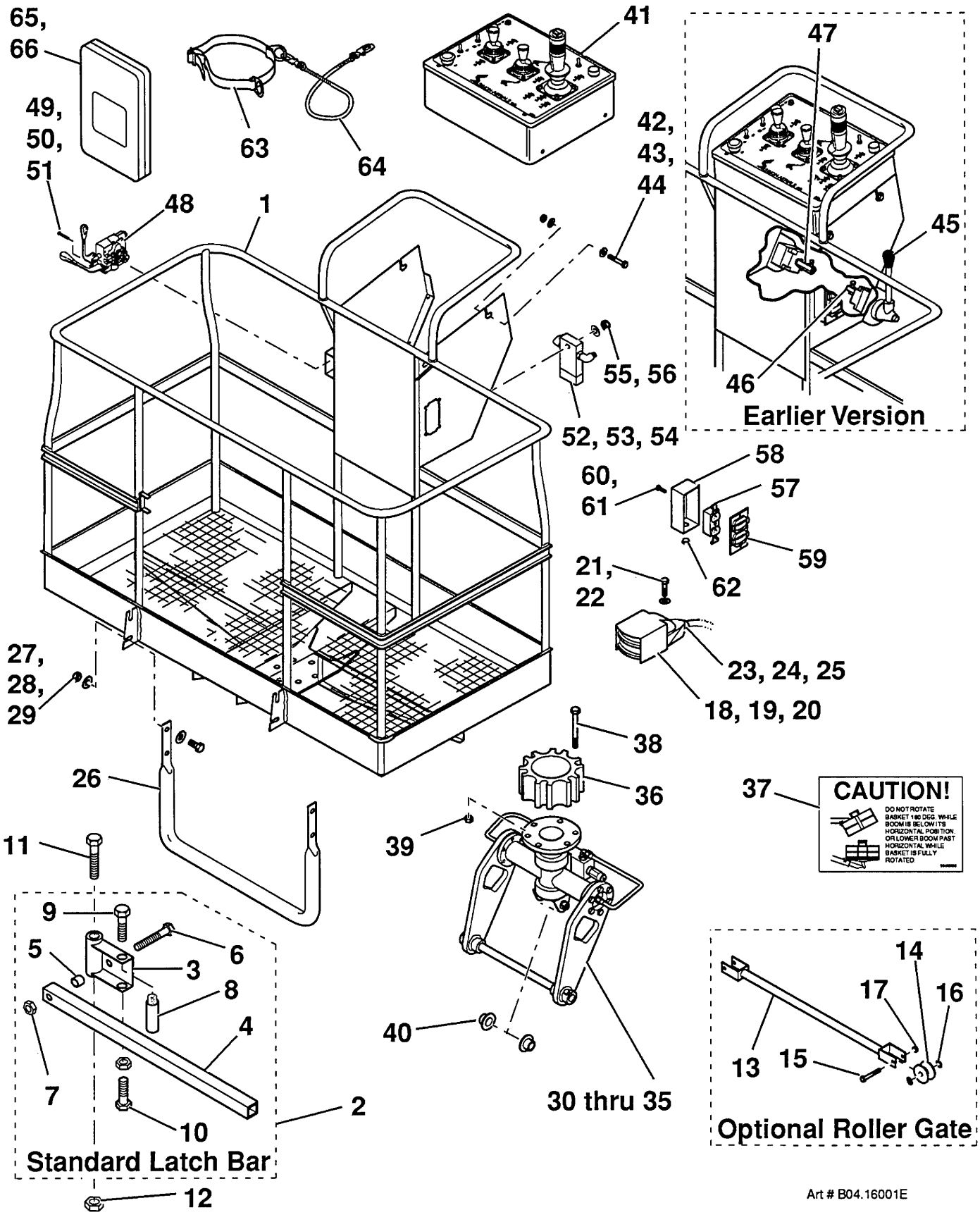


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)		
SIMON AERIALS INC.	NEW 01 DEC., 1994	PART NO.	PLATE NO. B04.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26			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
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)	
	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.



Art # B04.16001E

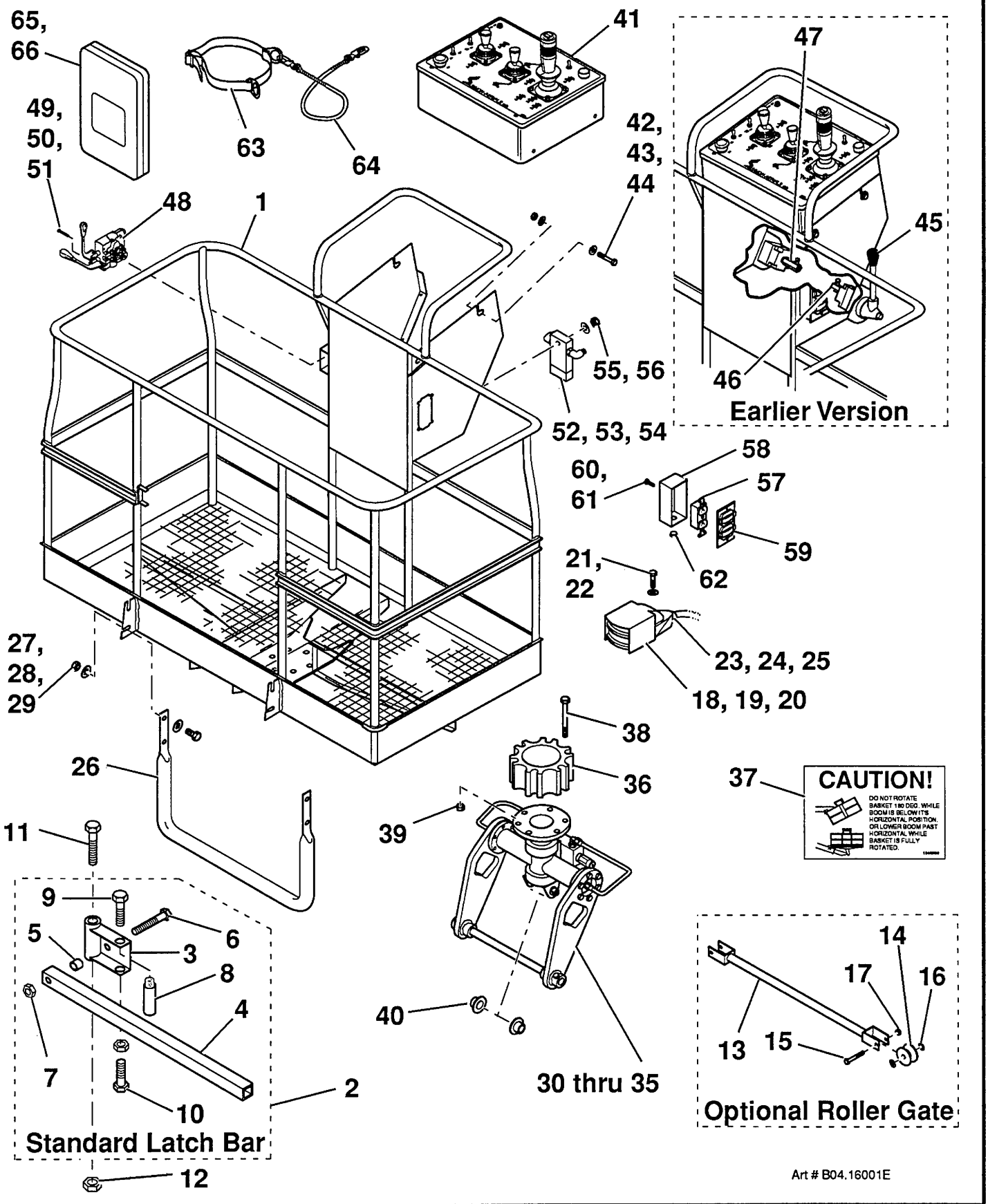
TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)		
SIMON AERIALS INC. NEW 01 DEC., 1994		PART NO.	PLATE NO. B04.16

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.

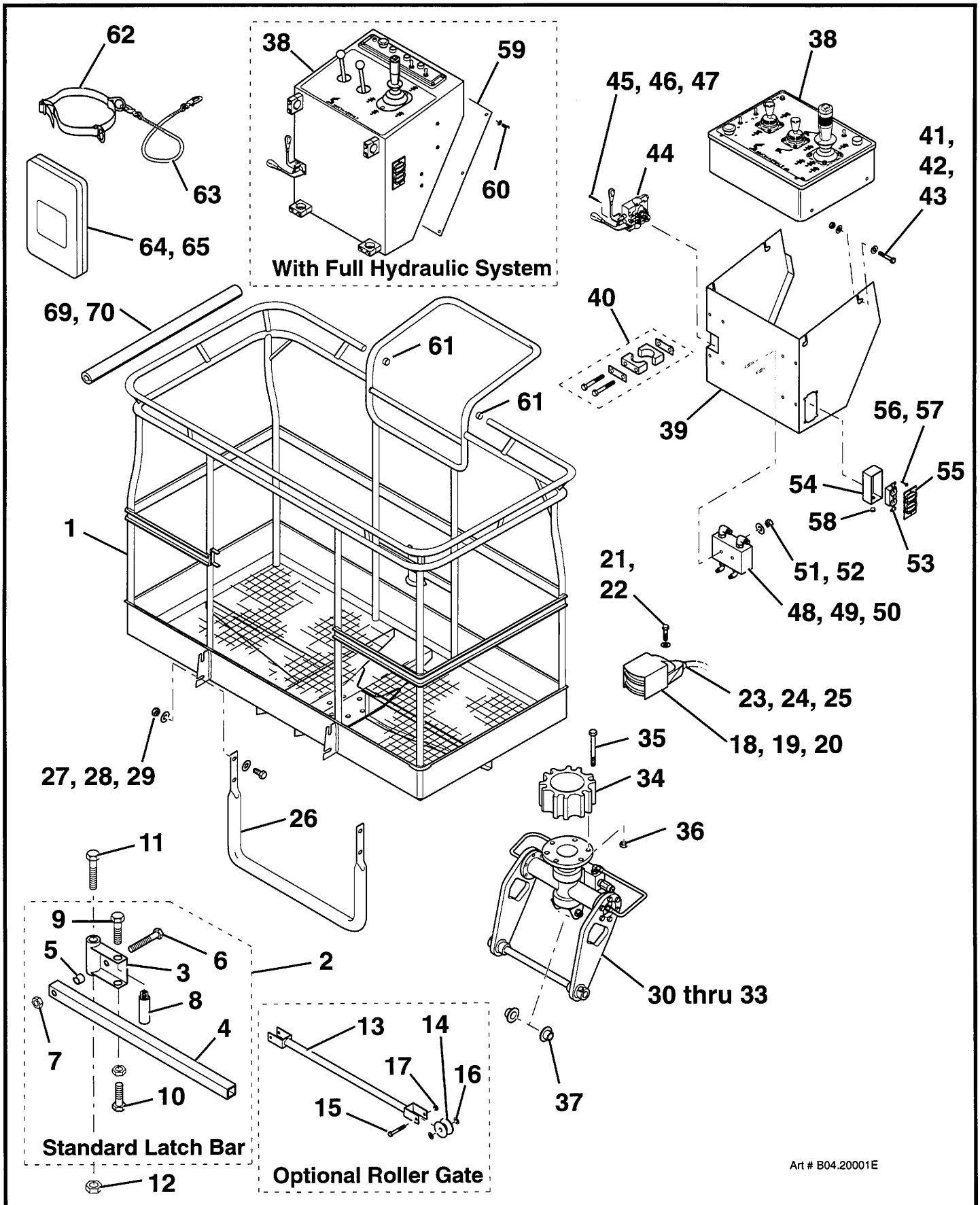


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)		
SIMON AERIALS INC.	NEW 01 DEC., 1994	PART NO.	PLATE NO. B04.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT	
			(Standard type, with Rotary Actuator mounted **under** floor)	1
			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 inside left side of console:	
	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.**	REV. 28 FEB., 1995	**PART NO.**



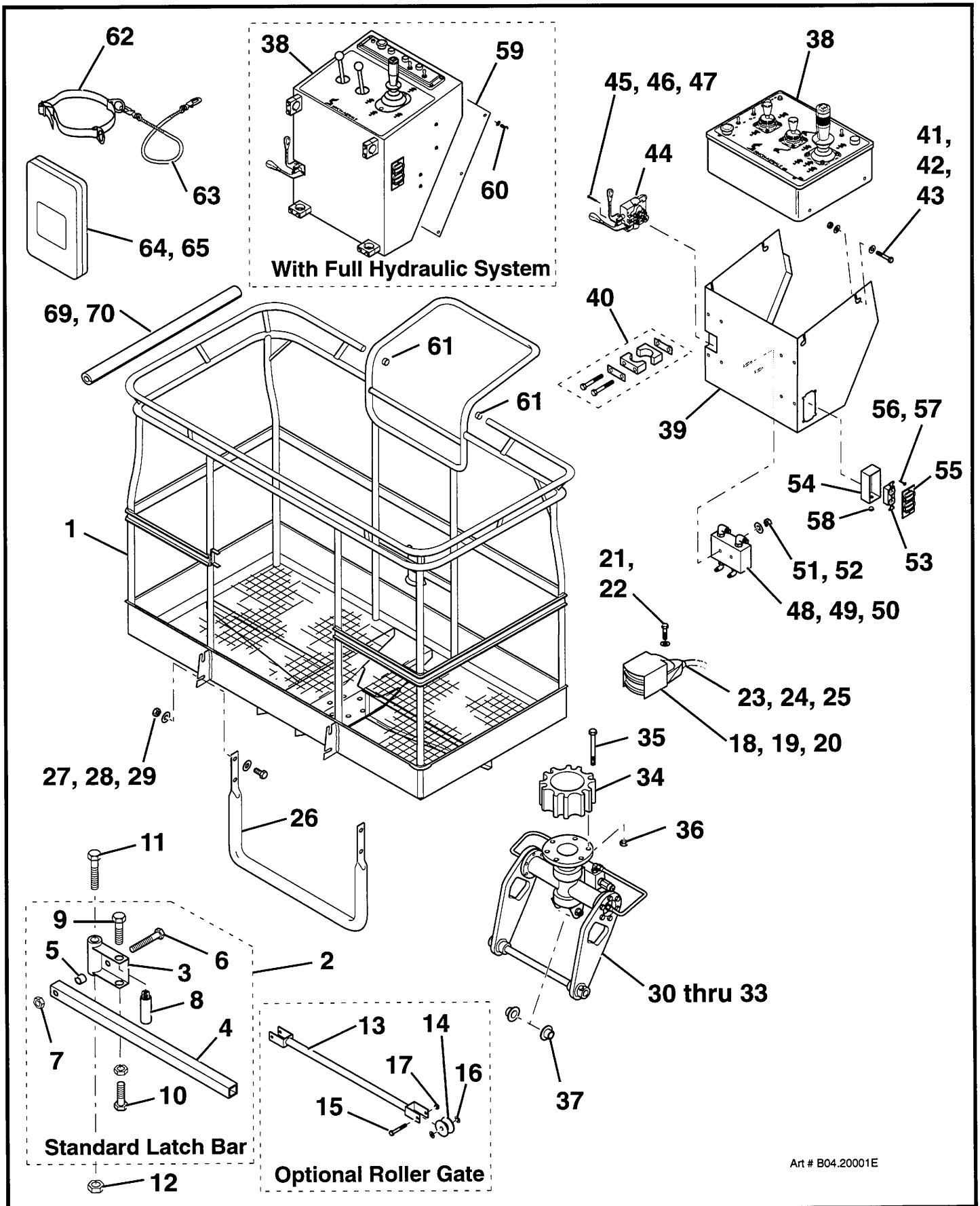
TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 28 FEB., 1995	PART NO.	PLATE NO. B04.20

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)	
	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.			PART NO.
B04.20	**SIMON AERIALS INC.**	REV. 30 AUG., 1995 THIS SHEET ONLY	

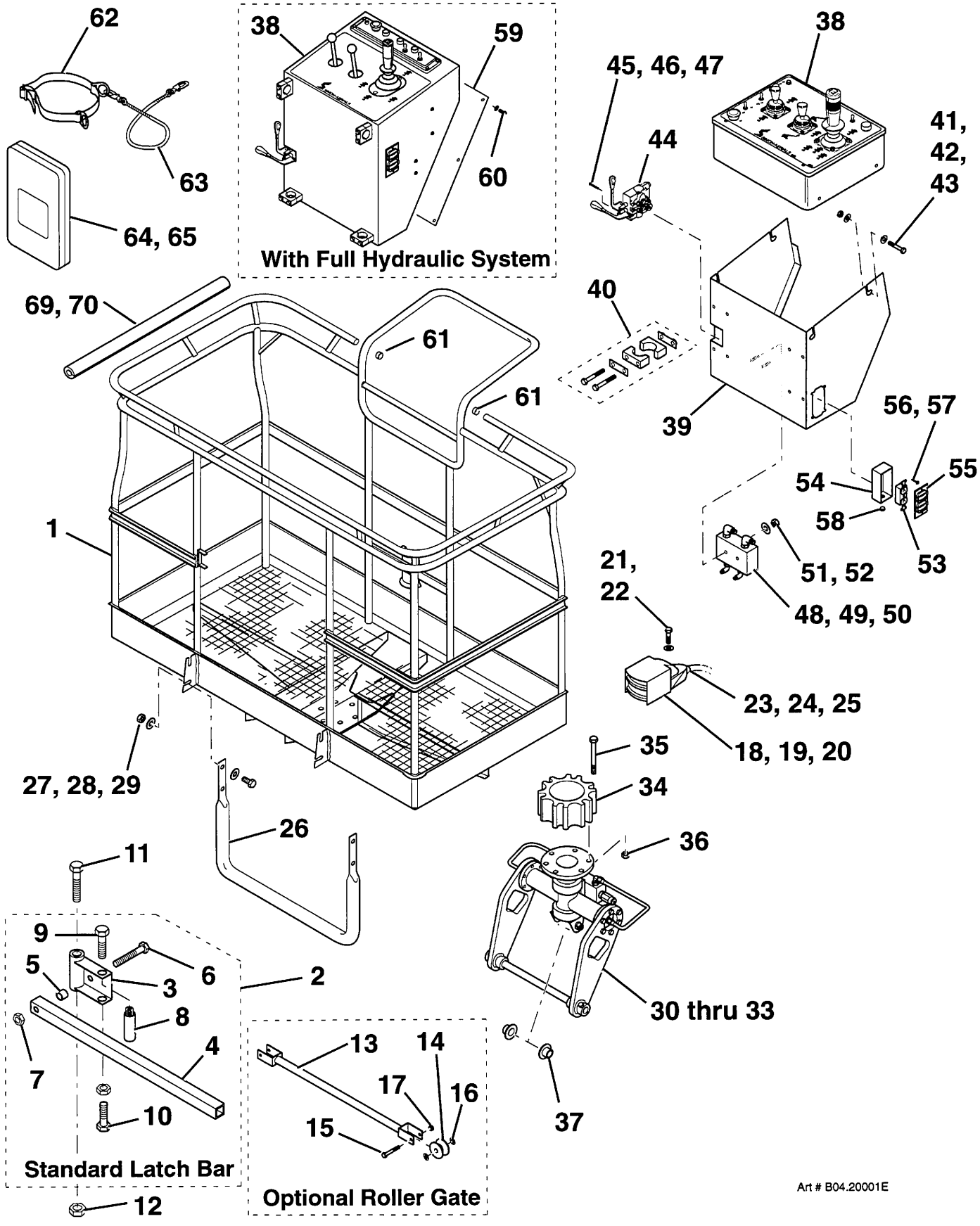


TITLE	PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)		
SIMON AERIALS INC.	REV. 28 FEB., 1995	PART NO.	PLATE NO. B04.20

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
53			RECEPTACLE, ELECTRICAL CONVENIENCE	1
	03-067000		Duplex, 20 Amp, 110 Volt AC, Self-grounding	
	03-711300		Single, 20 Amp, 220 Volt AC	
54	03-062100		BOX, ELECTRICAL RECEPTACLE (Weatherproof)	1
55			COVER, ELECTRICAL RECEPTACLE (Weatherproof)	1
	03-062200		For standard 110 Volt Duplex outlet	
	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			COVER, CONSOLE CONTROLS (black vinyl) (option)	1
	10-042500		With Electro-Proportional controls	
	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.**	REV. 28 FEB., 1995	PART NO.



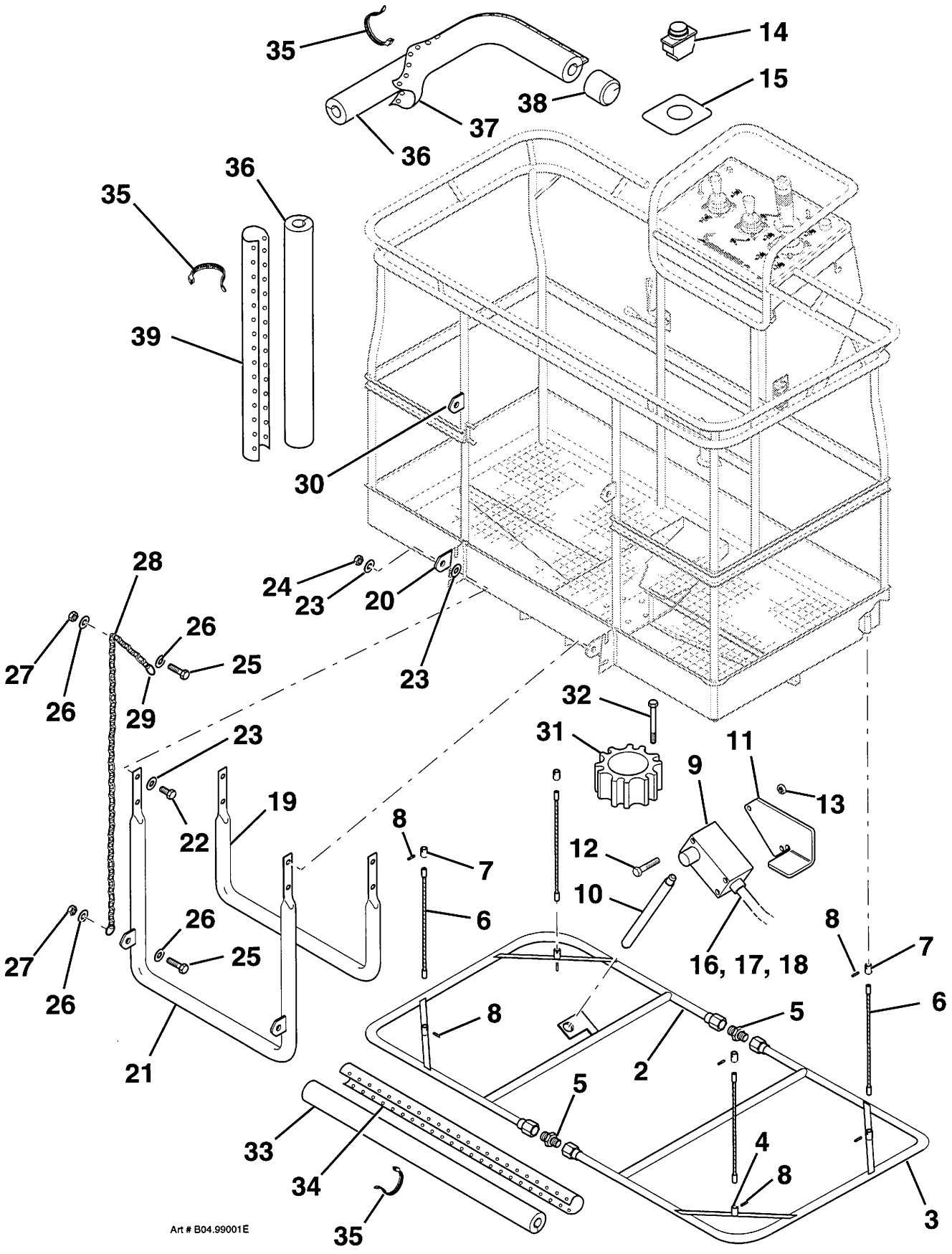
Art # B04.20001E

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	1
	Call Simon		for 36" x 60" (.91 M x 1.52 M) Platform	
	234 5620		for 36" x 72" (.91 M x 1.83 M) Platform	
	Call Simon		for 36" x 96" (.91 M x 2.44 M) Platform	
1			SENSOR RING ASSEMBLY	1
	Call Simon		for 36" x 60" (.91 M x 1.52 M) Platform	
	234 5530		for 36" x 72" (.91 M x 1.83 M) Platform	
	Call Simon		for 36" x 96" (.91 M x 2.44 M) Platform	
2			SENSOR RING HALF (with limit switch actuator plate)	
			(includes [2] collars, 217 3950)	1
	Call Simon		for 36" x 60" (.91 M x 1.52 M) Platform	
	234 5540		for 36" x 72" (.91 M x 1.83 M) Platform	
	Call Simon		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)	1
	Call Simon		for 36" x 60" (.91 M x 1.52 M) Platform	
	231 4490		for 36" x 72" (.91 M x 1.83 M) Platform	
	Call Simon		for 36" x 96" (.91 M x 2.44 M) Platform	
4	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.**	NEW 23 MAR., 1995	PART NO.

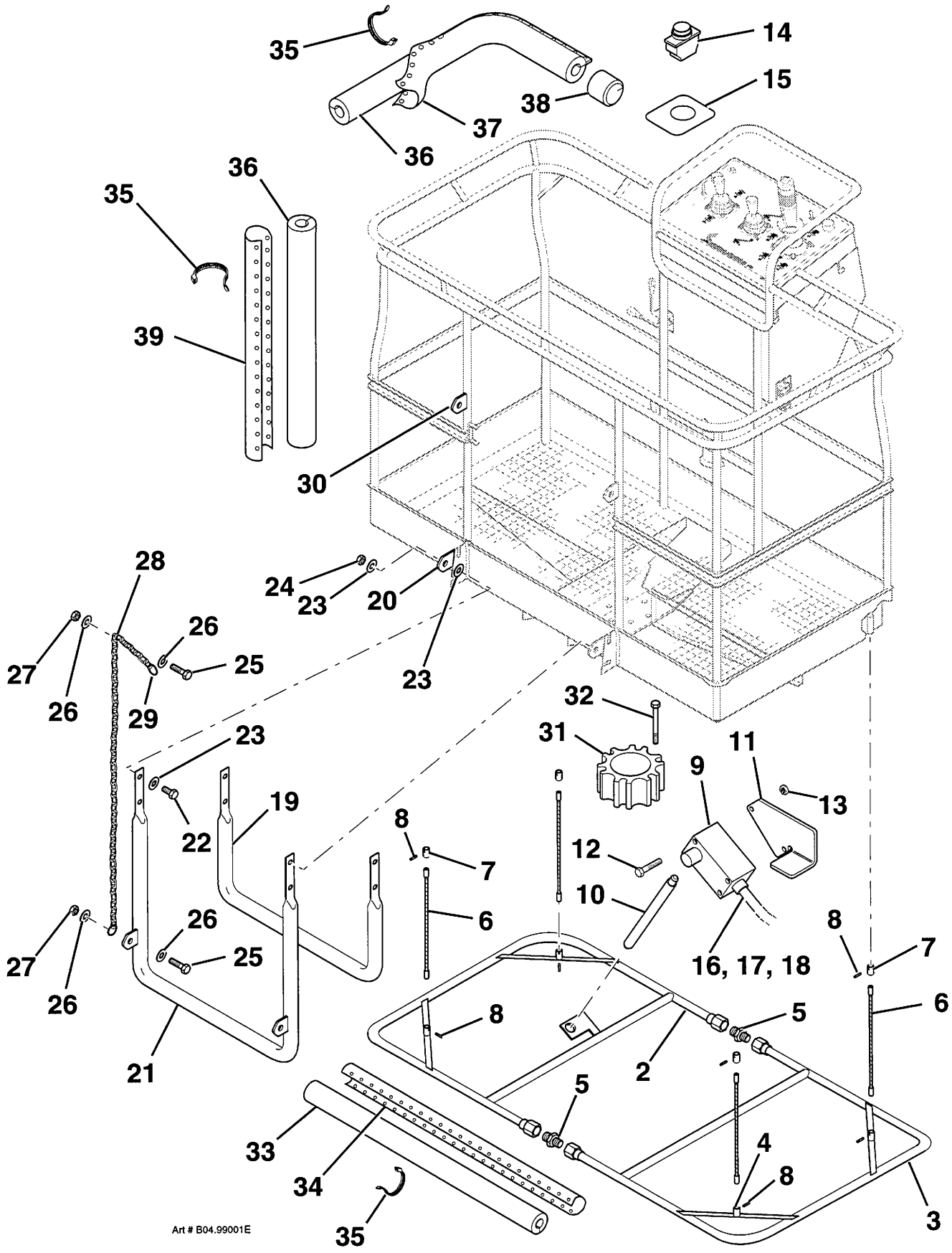


TITLE	PLATFORM SENSOR RING ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC.	NEW 23 MAR., 1995	PART NO.	PLATE NO. B04.99

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			COVER, SENSOR RING (Black, vinyl coated nylon)	2
	Call Simon		for 36" x 60" Platform	
	10-259301		for 36" x 72" Platform (131" [3.3 M] long)	
	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			COVER, TOP RAIL (Black, vinyl coated nylon)	1
	Call Simon		for 36" x 60" Platform	
	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.

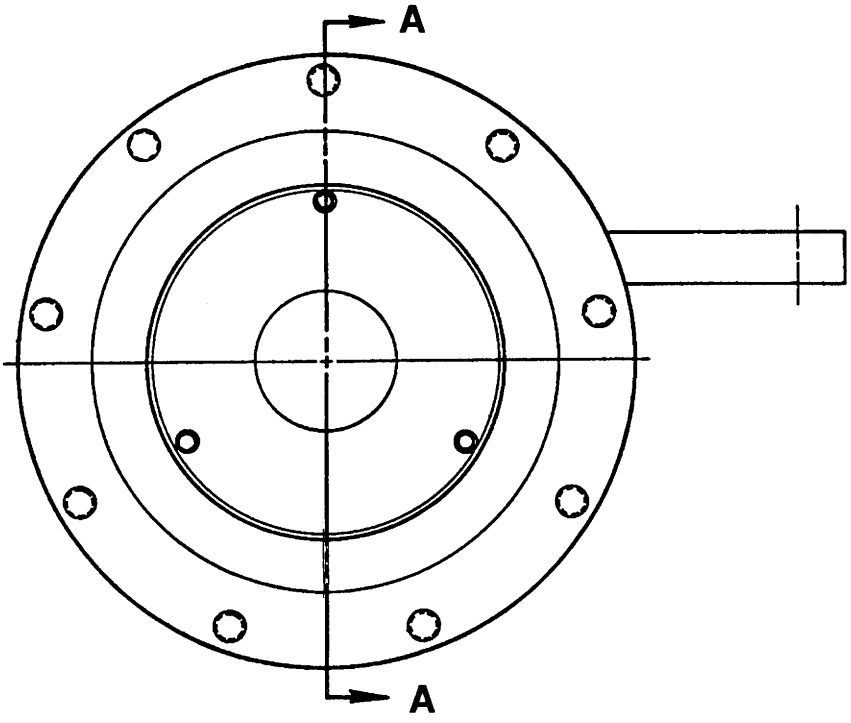


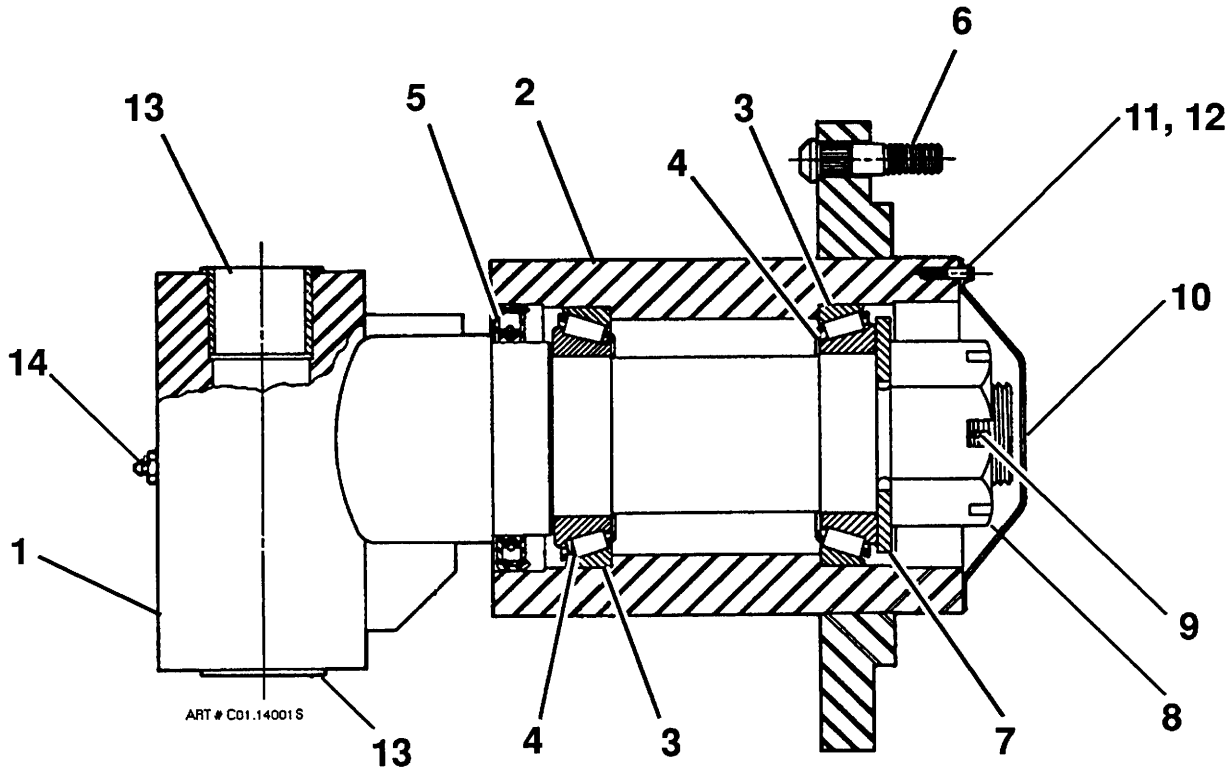
TITLE	PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)		
SIMON AERIALS INC. NEW 23 MAR., 1995		PART NO.	PLATE NO. B04.99

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SPINDLE ASSEMBLY (Right)	1
	2061847		Type 1 (see note at item 1)	1
	3502495		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.





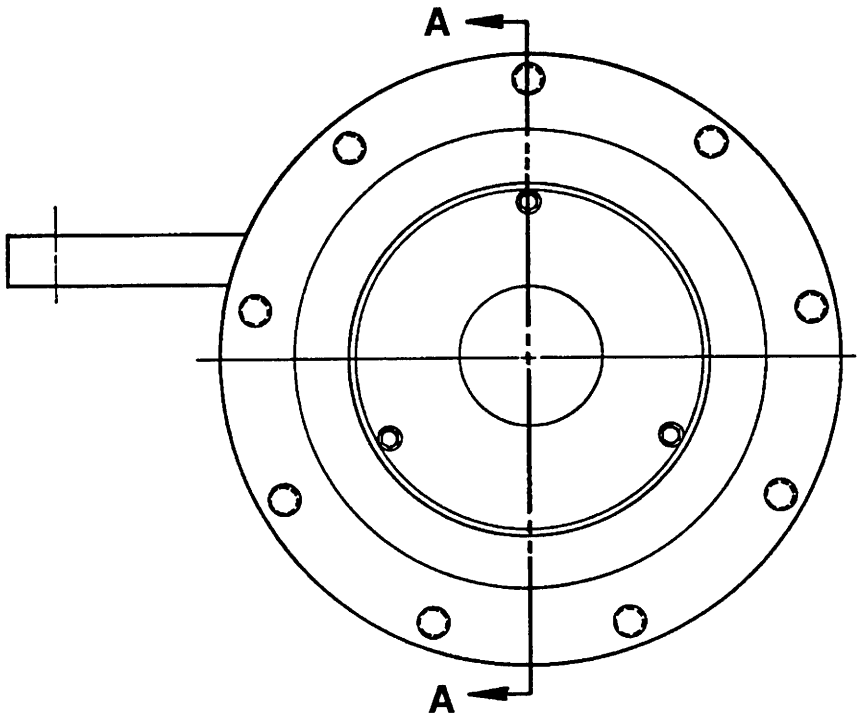
SECTION "A" - "A"

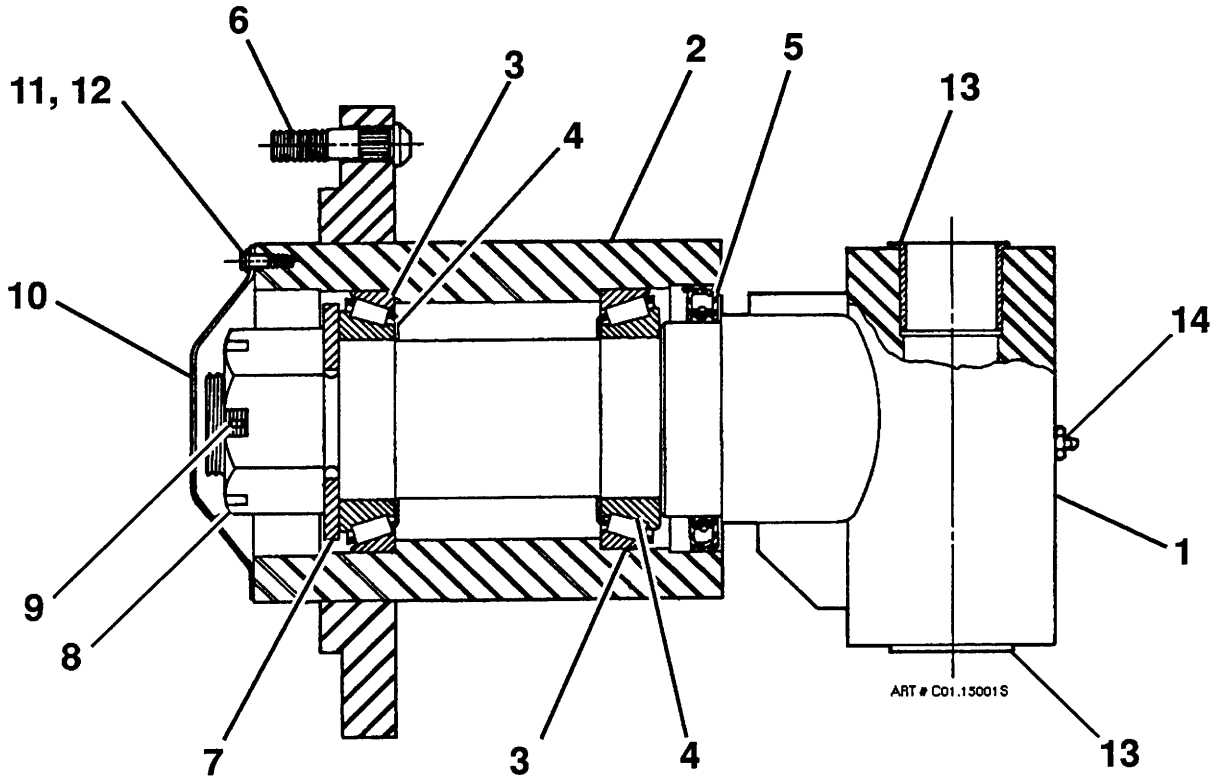
TITLE	SPINDLE ASSEMBLY, RIGHT HAND		
SIMON AERIALS INC. REV. 12 MAR., 1993		PART NO.	PLATE NO. C01.05

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SPINDLE ASSEMBLY (Left)	1
	2061834		Type 1 (see note at item 1)	1
	3503089		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.





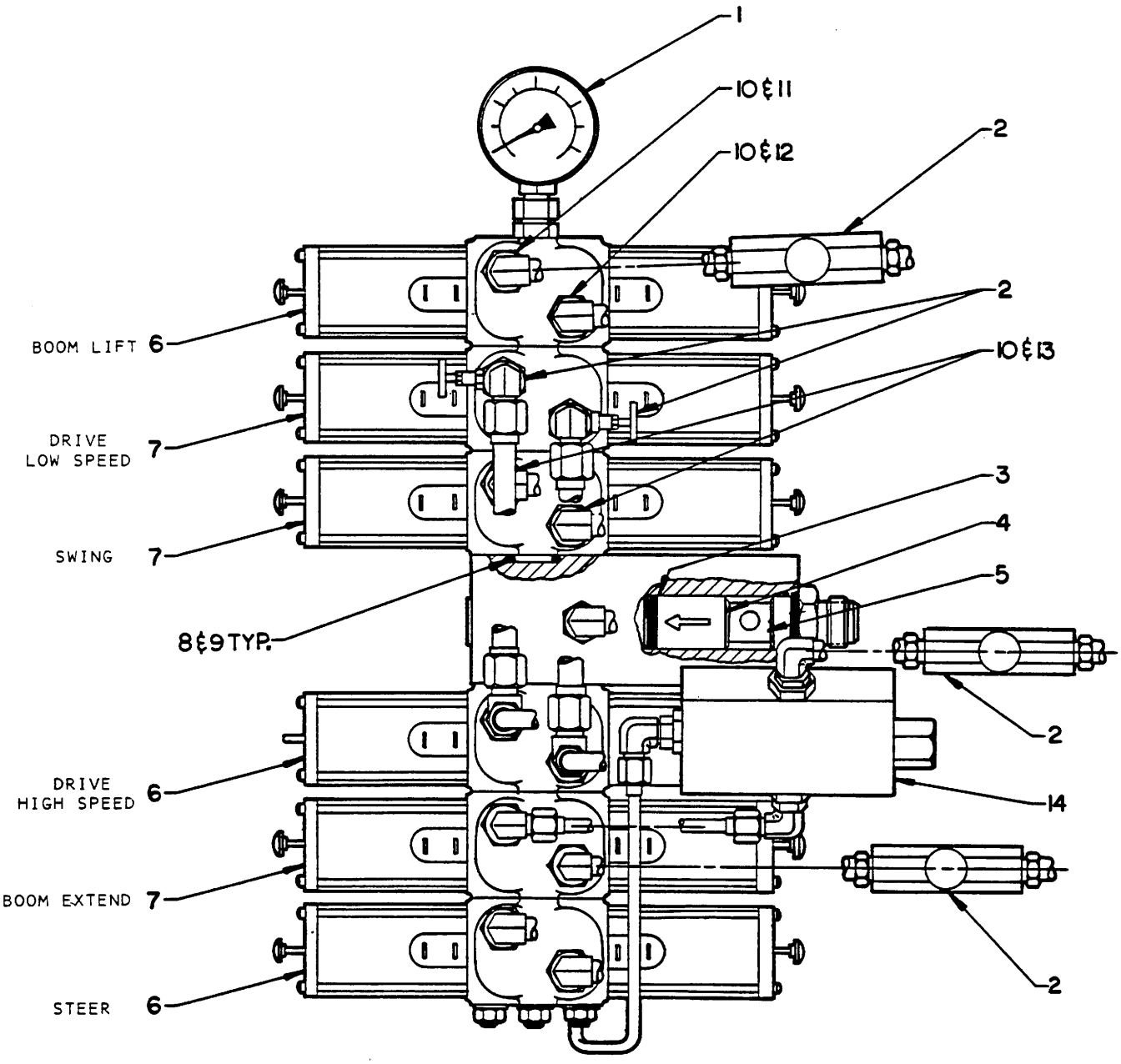
SECTION "A" - "A"

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	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	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
7	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	3
8	01-031703		'O' RING 1-1/16 O.D.	6
9	01-031702		'O' RING 3/4 O.D.	6
10	07-060014		WASHER, 1/4 LIGHT	4
11	SBD-201498-6		FLOW DISC .070	1
12	SBD-203410-2		FLOW DISC .052	1
13	SBD-201508-4		FLOW DISC .047	2
14	01-008900		RELIEF VALVE	1

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY	CAA-207239-3



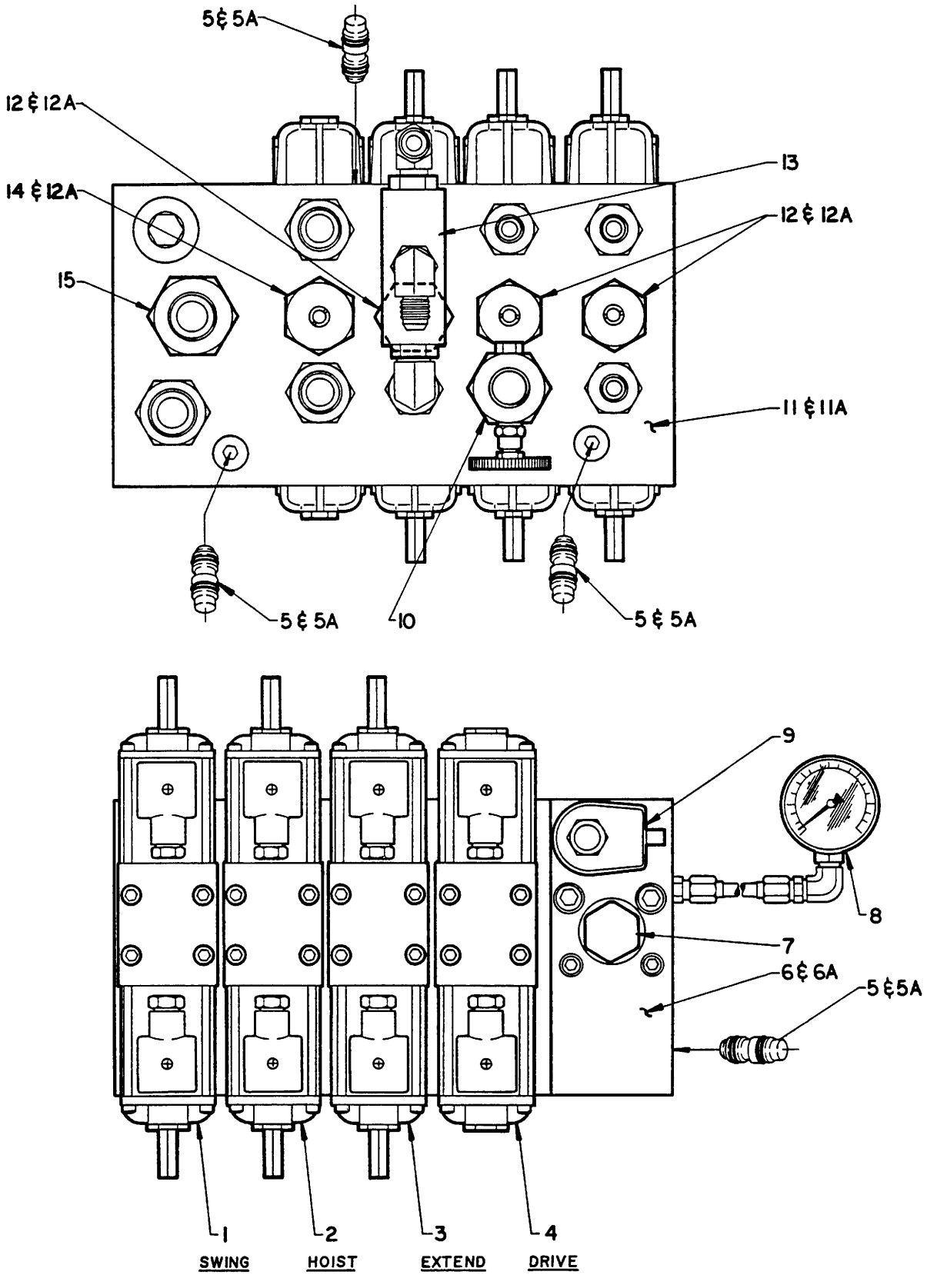
0984/0684

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY	CAA-207239-3

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	DOLENOID 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 COMPESATOR, SERIES 10	3
12A			SEAL KIT, CARTRIDGE COMPENSATOR	4
13	01-012800		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



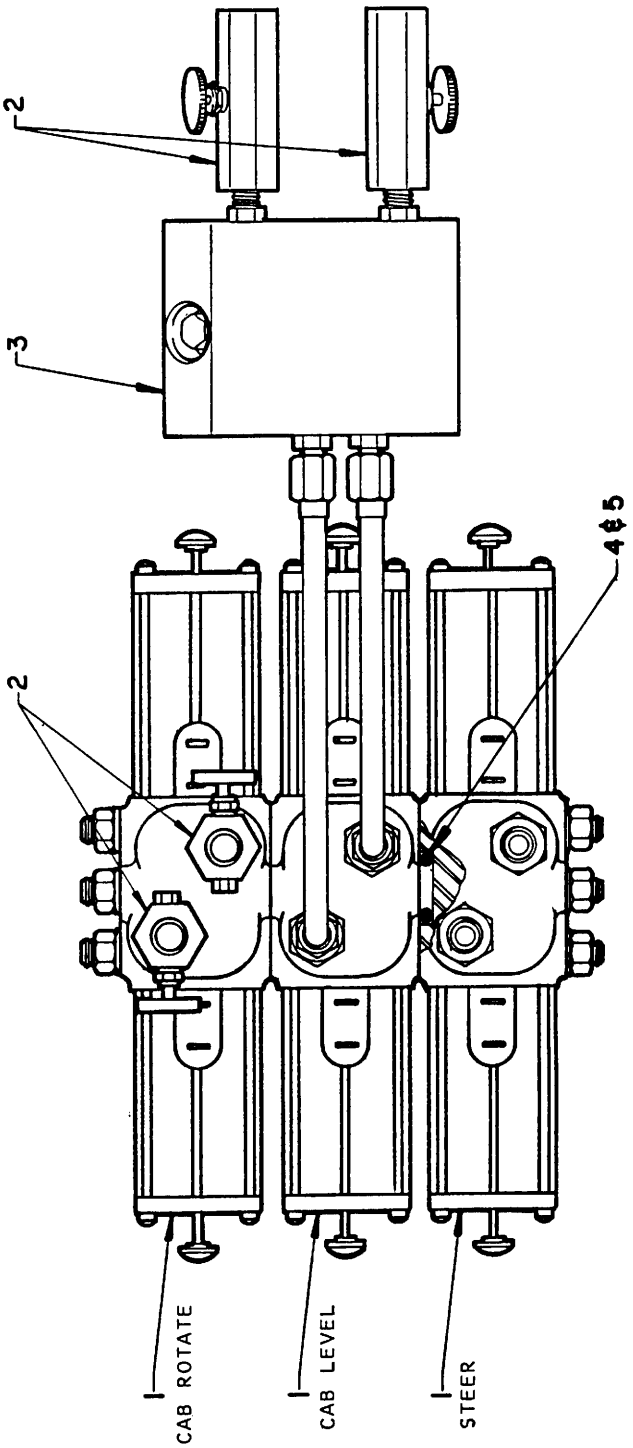
0785/0785

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY (DRIVE, EXTEND, HOIST, SWING)	CAA-208488-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
2	01-000500		NEEDLE VALVE	4
3	01-001900		DOUBLE LOCK VALVE	1
4	01-031703		SEAL, 1-1/16 O.D.	2
5	01-031702		SEAL, 3/4 O.D.	2

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)	CAA-208489-5



0785/0785

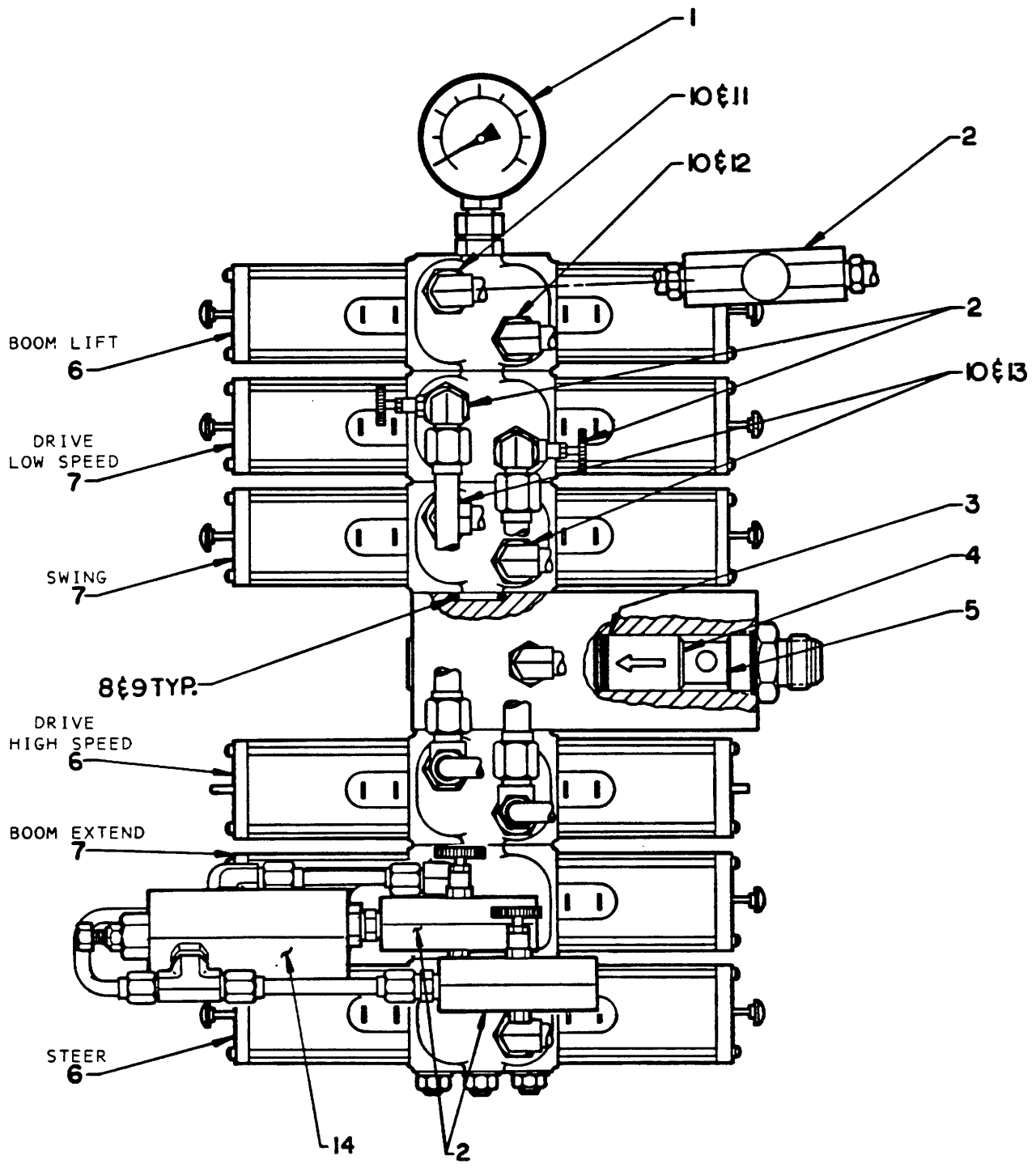
DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)	CAA-208489-5

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	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
7	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	3
8	01-031702		'O' RING 3/4" O.D.	6
9	01-031703		'O' RING 1-1/16" O.D.	6
10	07-0600014		WASHER, 1/4" LIGHT	4
11	SBD-201498-6		FLOW DISC .070	1
12	SBD-203410-2		FLOW DISC .052	1
13	SBD-201508-4		FLOW DISC .047	2
14	01-012800		PRESSURE REDUCING VALVE	1

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY	CAA-209812-8

C 2.17



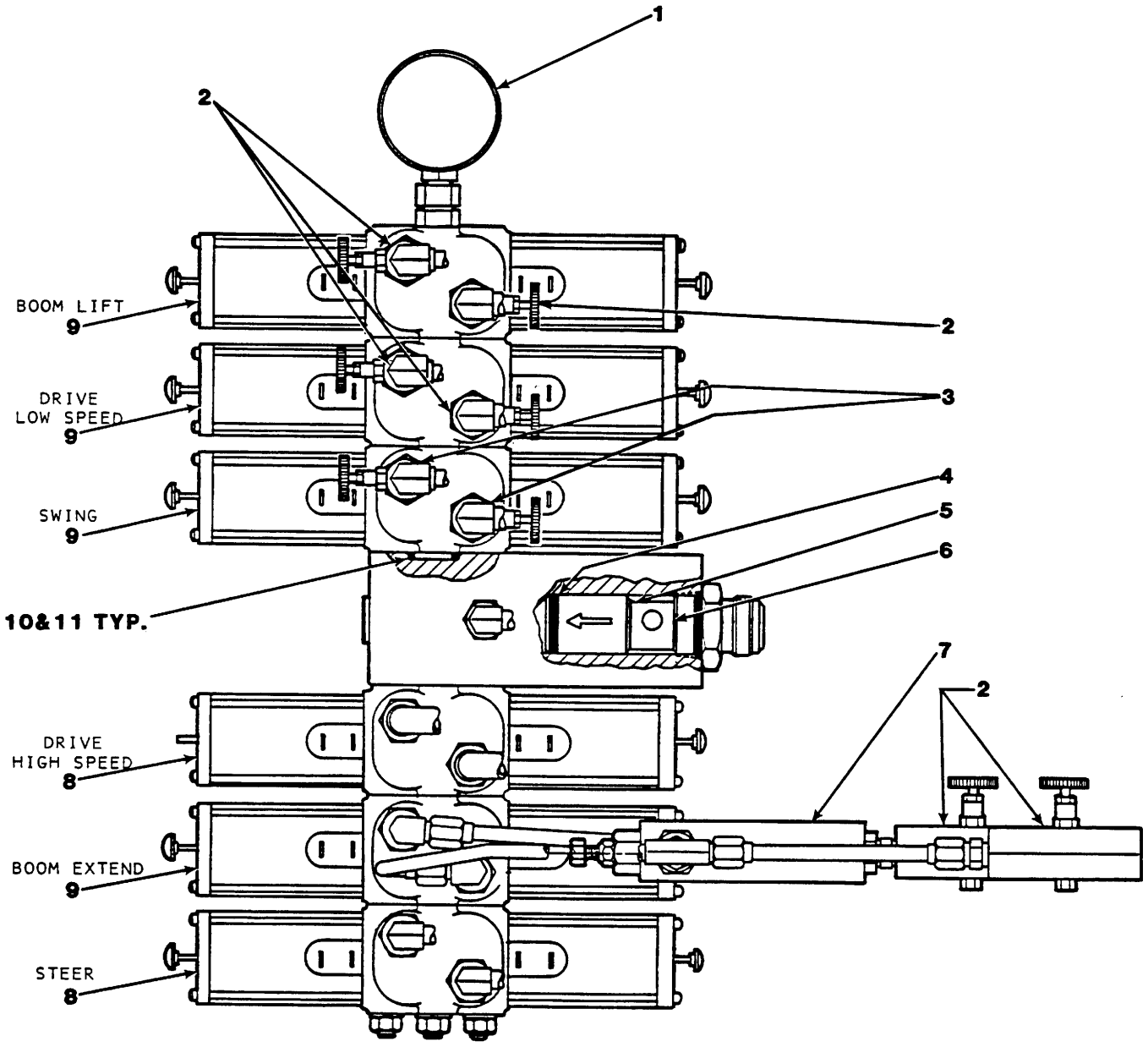
1285/0685

DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY	CAA-209812-8

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

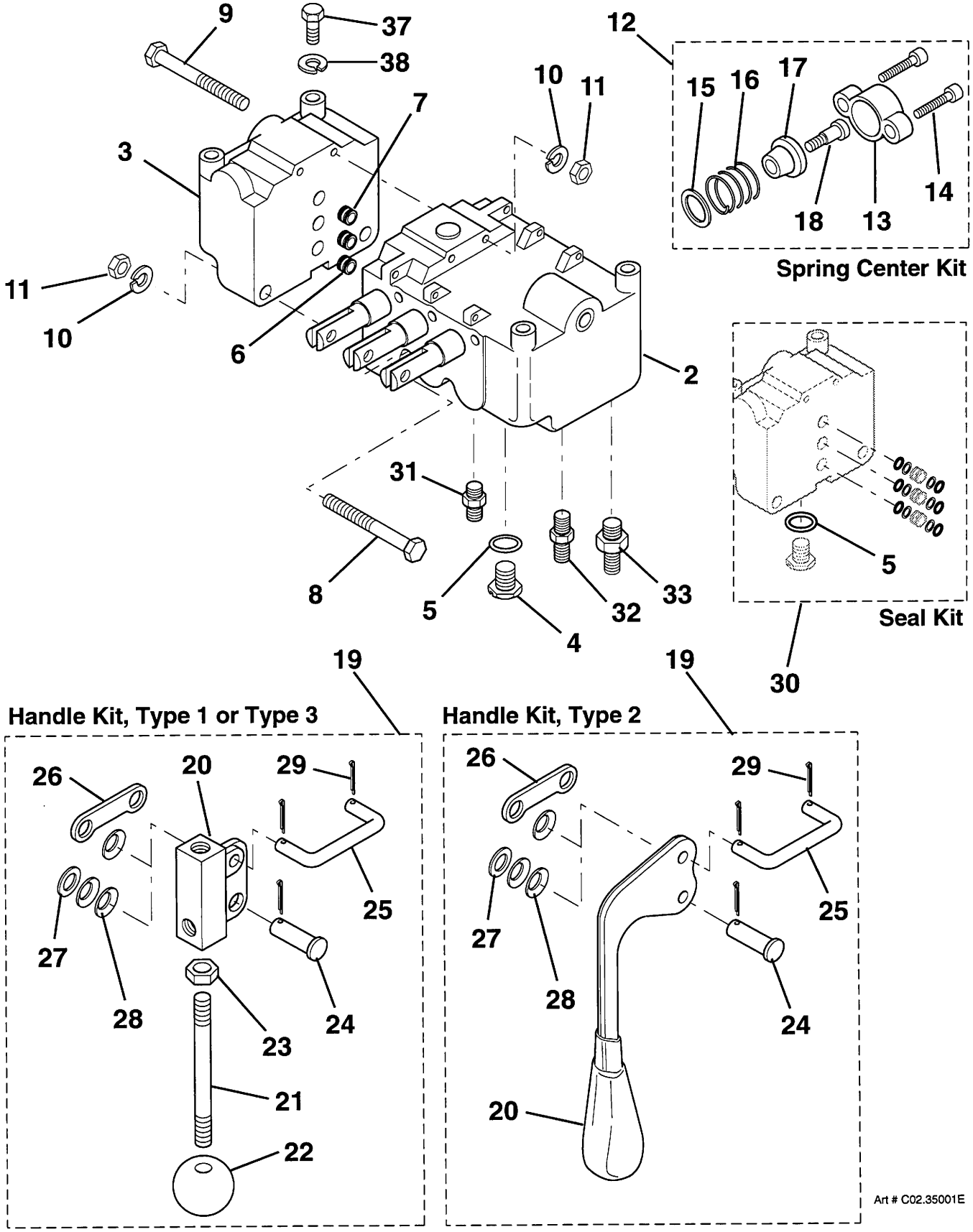
DESCRIPTION	PART NO.
VALVE BANK ASSEMBLY	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			GROUND VALVE BANK ASSEMBLY	
	352 4480		with "Type 1" or "Type 2" Handle (Item19)	
	353 4260		with "Type 3" Handle (Item19)	
	354 4270		for special MP 70 application	
1			VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
	01-207000		with "Type 1" or "Type 2" Handle (Item19)	
	01-226600		with "Type 3" Handle (Item19)	
2	01-207006		INLET SECTION, 3 SPOOL	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)

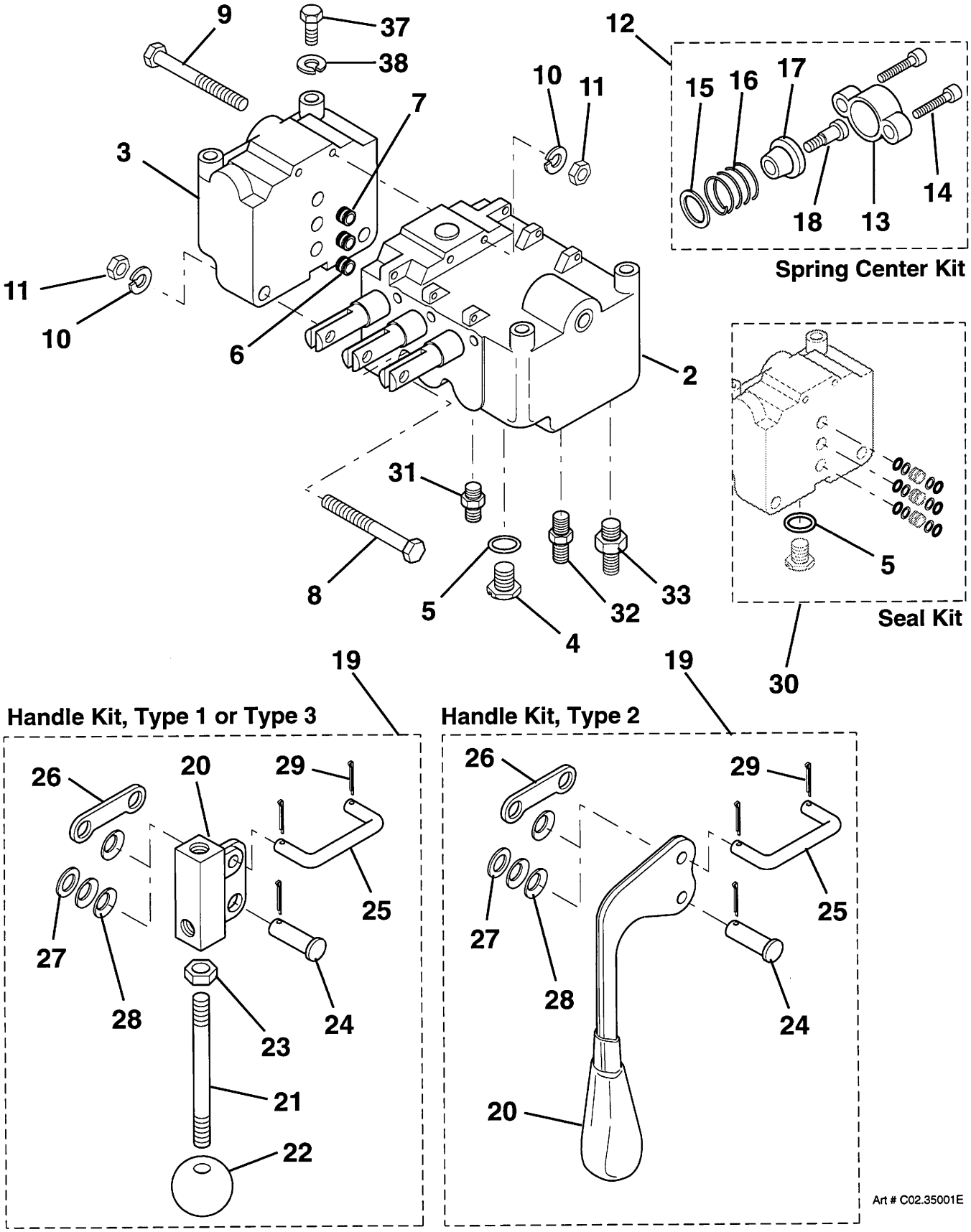
SIMON AERIALS INC. REV. 14 SEP, 1995 | PART NO. | PLATE NO. C02.35

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19			HANDLE KIT	3
	01-098701		Type 1 (handle is a 3" [76 mm] long threaded rod, with a separate ball knob)	
	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.



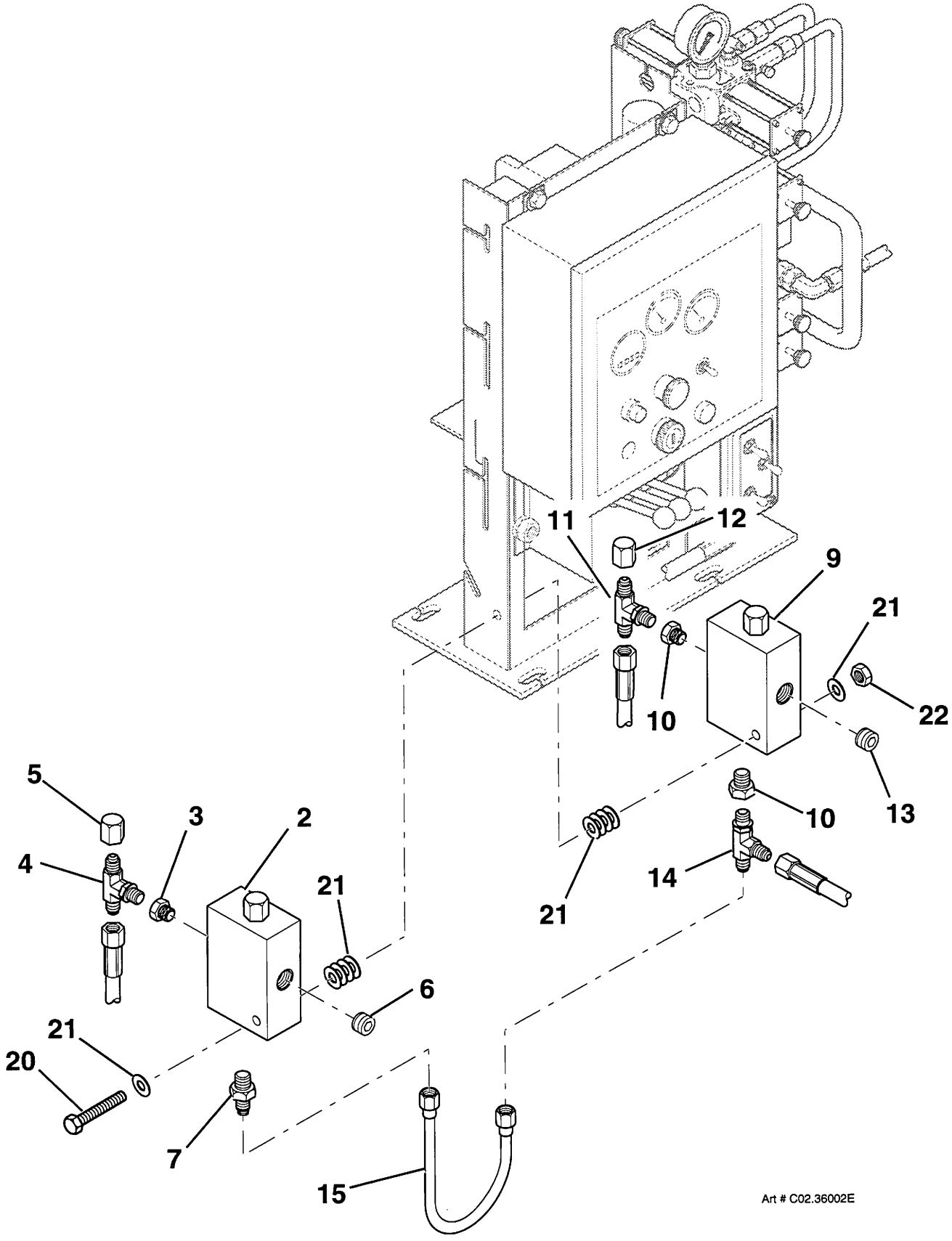
TITLE VALVE BANK ASSEMBLY, GROUND (LIFT, SWING, TELESCOPE) (2 OF 2)

SIMON AERIALS INC. REV. 14 SEP, 1995 | PART NO. | PLATE NO. C02.35

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 4280		RELIEF VALVE ASSEMBLY (Left hand)	1
2	201 5154		VALVE, RELIEF (Identified as "**1L24-F10T-25S**")	
			Note: If there is an **additional** number stamped on the valve, and that number **is not "1600"**, please provide the number which does appear. If no stamped number is provided, the valve shipped will be set at **1600** PSI (110 Bar), and may need to be reset upon installation to ensure proper operation.	1
3	06-090800		REDUCER/ EXPANDER (10-6 F5O G5-S)	1
4	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S)	1
5	06-064000		CAP, FEMALE (6 FNTX-S)	1
6	06-095200		PLUG, HEX SOCKET "O"-RING (10 HP5ON-S)	1
7	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F5OX-S)	1
			Note: Some earlier versions used (1) each 06-090800, REDUCER/ EXPANDER (10-6 F5OG5-S) and 06-039800, ADAPTER, "O"-RING TO 37° (6 F5OX-S)	
8	354 4290		RELIEF VALVE ASSEMBLY (Right hand)	1
9	235 1900		VALVE, RELIEF (Identified as "**1L24-F10T-25S**")	
			Note: If there is an **additional** number stamped on the valve, and that number **is not "1350"**, please provide the number which does appear. If no stamped number is provided, the valve shipped will be set at **1350** PSI (93 Bar), and may need to be reset upon installation to ensure proper operation.	1
10	06-090800		REDUCER/ EXPANDER (10-6 F5O G5-S)	2
11	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S)	1
12	06-064000		CAP, FEMALE (6 FNTX-S)	1
13	06-095200		PLUG, HEX SOCKET "O"-RING (10 HP5ON-S)	1
14	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
15	350 8079		TUBE ASSEMBLY	1
16	353 6570		HOSE KIT, STEERING RELIEF VALVE	1
17	- - - - -		HOSE (Right hand Relief Valve to Dump Valve)	1
18	- - - - -		HOSE (Right hand Relief Valve to Steer Valve #4 Port)	1
19	- - - - -		HOSE (Left hand Relief Valve to Steer Valve #5 Port)	1
20	07-003017		CAP SCREW, HEX HEAD (1/4"-20 x 4", Grade 5)	1
21	07-062014		WASHER, FLAT (1/4")	10
22	07-050014		NUT, HEX LOCK (1/4"-20)	1

TITLE	STEERING RELIEF VALVE ASSEMBLY		
PLATE NO. C02.36	**SIMON AERIALS INC.**	REV. 13 SEP., 1995	**PART NO.**



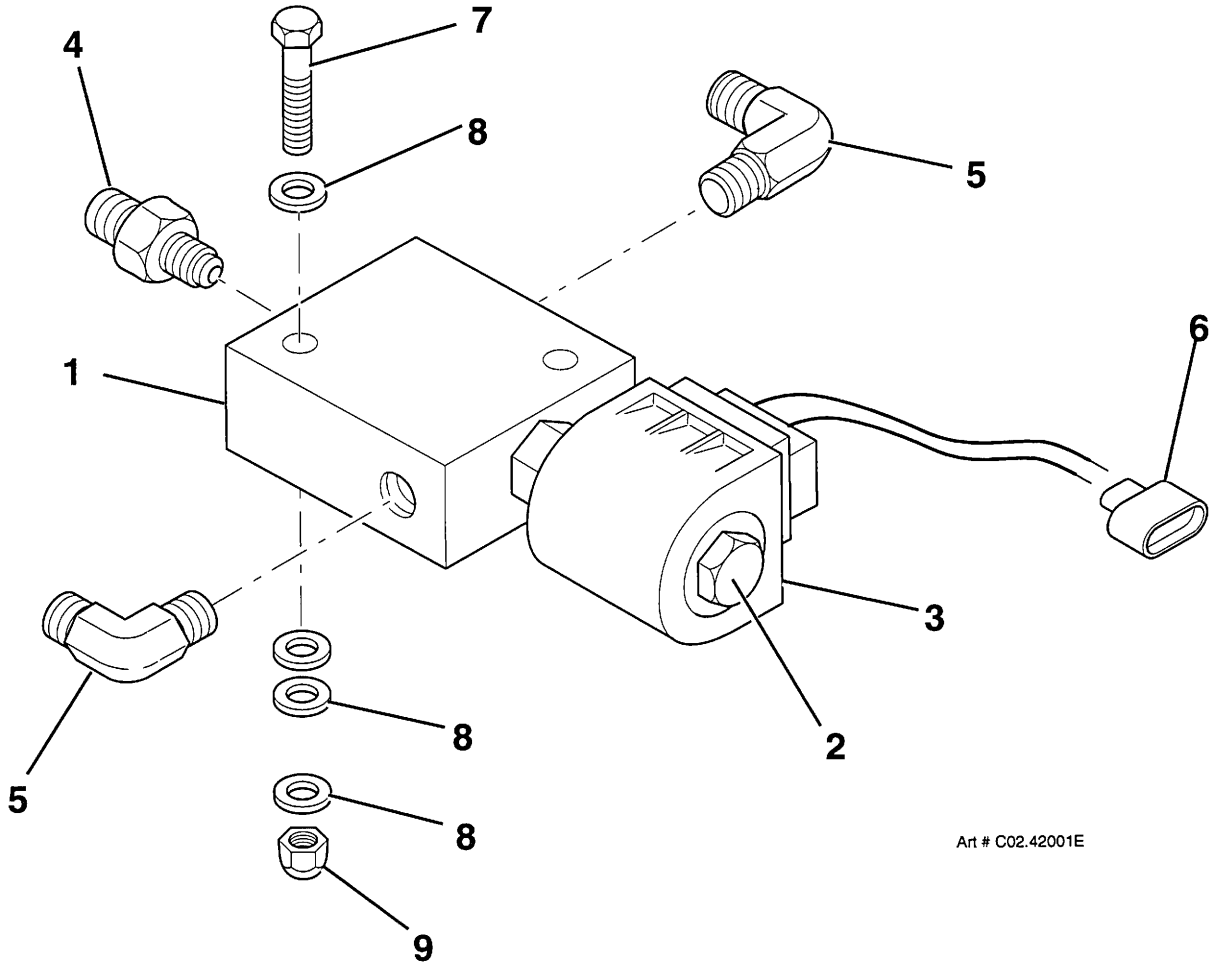
TITLE	STEERING RELIEF VALVE ASSEMBLY		
SIMON AERIALS INC. REV. 13 SEP., 1995		PART NO.	PLATE NO. C02.36

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-037100		VALVE, 3 WAY (Solenoid operated. With 12 Volt Coil.)	1
2	01-037101		SEAL KIT, 3 WAY VALVE	1
3			COIL, SOLENOID	1
	01-037198		12 Volt DC	
	01-037199		24 Volt DC	
4	06-000700		CONNECTOR, MALE 37° TO NPT (6 FTX-S)	1
5	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
6	03-092200		COUPLING, INSULATED (Male, blue, #14-16 AWG)	2
7	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
8	07-062014		WASHER, FLAT (1/4")	8
9	07-050014		NUT, STOP (1/4"-20, Grade 5)	2

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



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

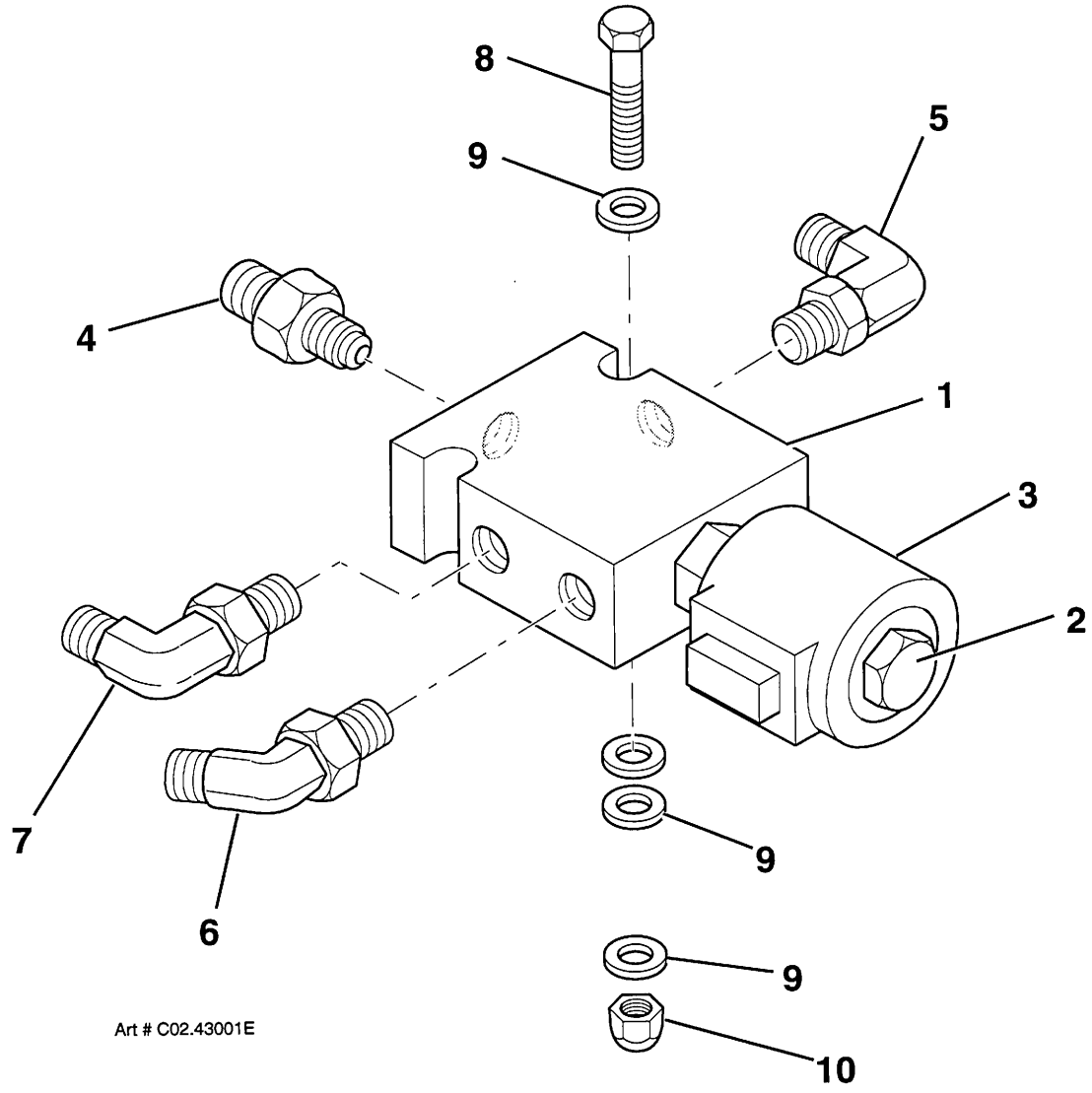
SIMON AERIALS INC.	NEW 06 SEP., 1995	**PART NO.** 354 4170	**PLATE NO.** C02.42

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-230400		VALVE, 4 WAY (2 position, solenoid operated. With 12 Volt Coil.)	1
2	Call Simon		SEAL KIT, 4 WAY VALVE	1
3			COIL, SOLENOID	1
	Call Simon		12 Volt DC	
	Call Simon		24 Volt DC	
4	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
5	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
6	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
7	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S) **or . . .**	
	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
8	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
9	07-062014		WASHER, FLAT (1/4")	8
10	07-050014		NUT, STOP (1/4"-20, Grade 5)	2

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

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



Art # C02.43001E

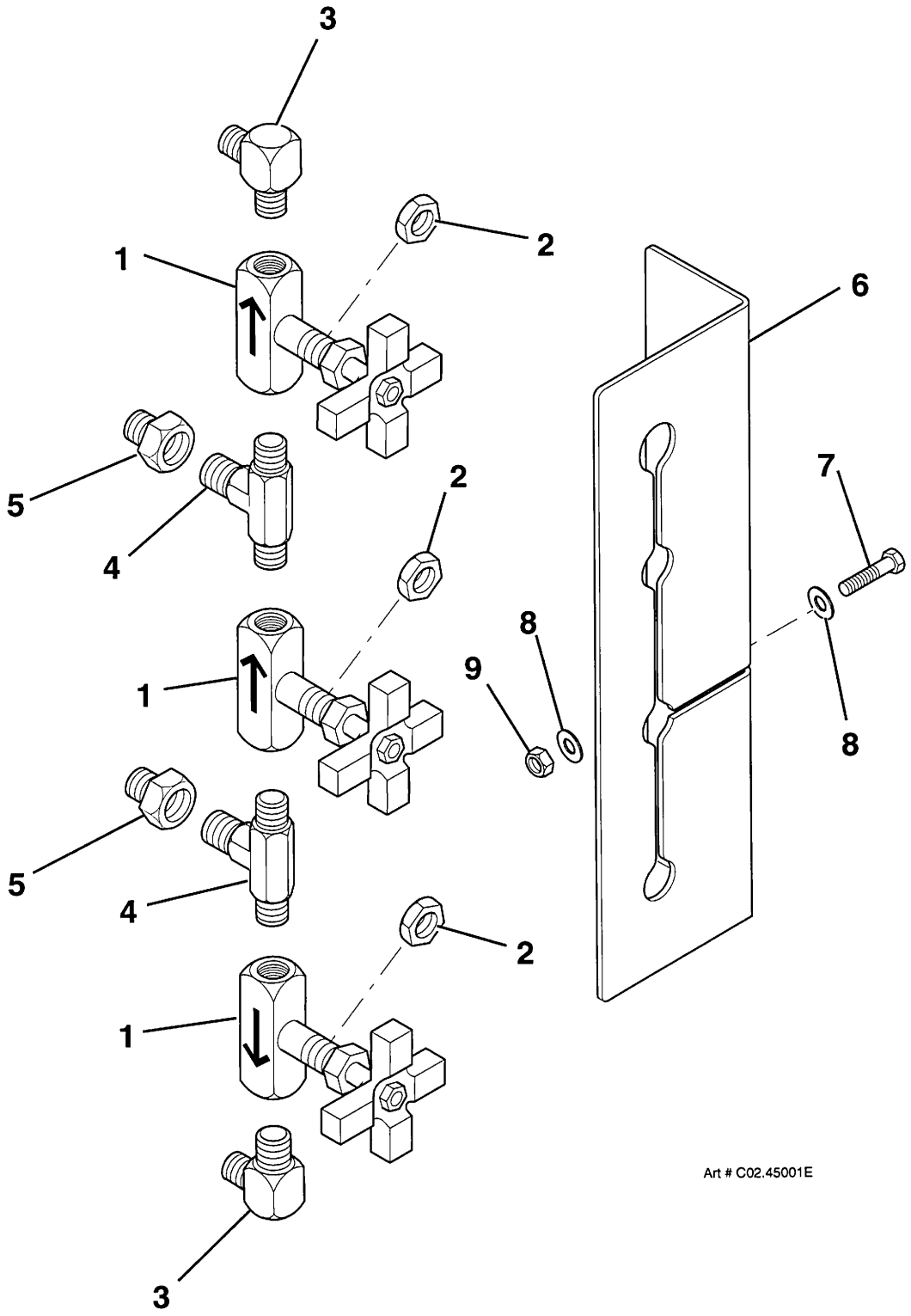
TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH FOUR WHEEL DRIVE)

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

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4720		MANUAL DESCENT VALVE ASSEMBLY With option, MP 40 through MP 80	1
1	01-034800		VALVE, NEEDLE (1/4" NPT)	3
2	07-047121		NUT, HEX JAM (5/8"-18, Grade 5)	3
3	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
4	06-196500		TEE, MALE PIPE (4 RRS-S)	2
5	06-196600		CONNECTOR, FEMALE 37° TO NPT (6 GTX-S)	2
6	231 3070		BRACKET, VALVE MOUNTING	1
7	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	2
8	07-062014		WASHER, FLAT (1/4")	4
9	07-050014		NUT, STOP (1/4"-20)	2
			The following item is not shown, but is required with manual descent valves. It mounts to the Boom Lift Cylinder:	
10	205 5644		FITTING, ORIFICED (4 C5OX-S with .032" orifice)	

TITLE	MANUAL DESCENT VALVE ASSEMBLY		
PLATE NO. C02.45	**SIMON AERIALS INC.**	NEW 05 SEP., 1995	PART NO.



Art # C02.45001E

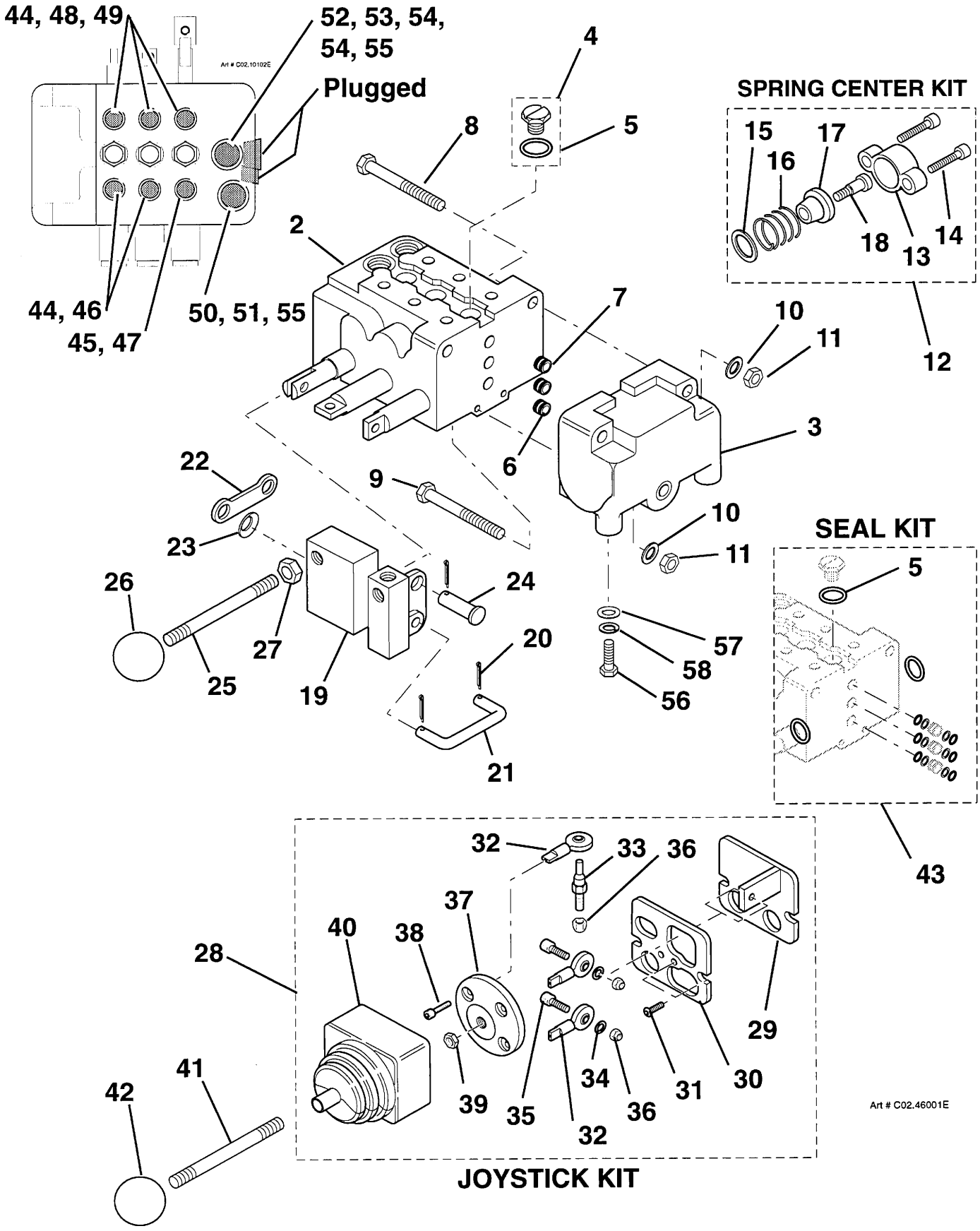
TITLE	MANUAL DESCENT VALVE ASSEMBLY		
SIMON AERIALS INC.	NEW 05 SEP., 1995	PART NO.	PLATE NO. C02.45

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.** REV. 14 JAN., 1996 | PART NO.



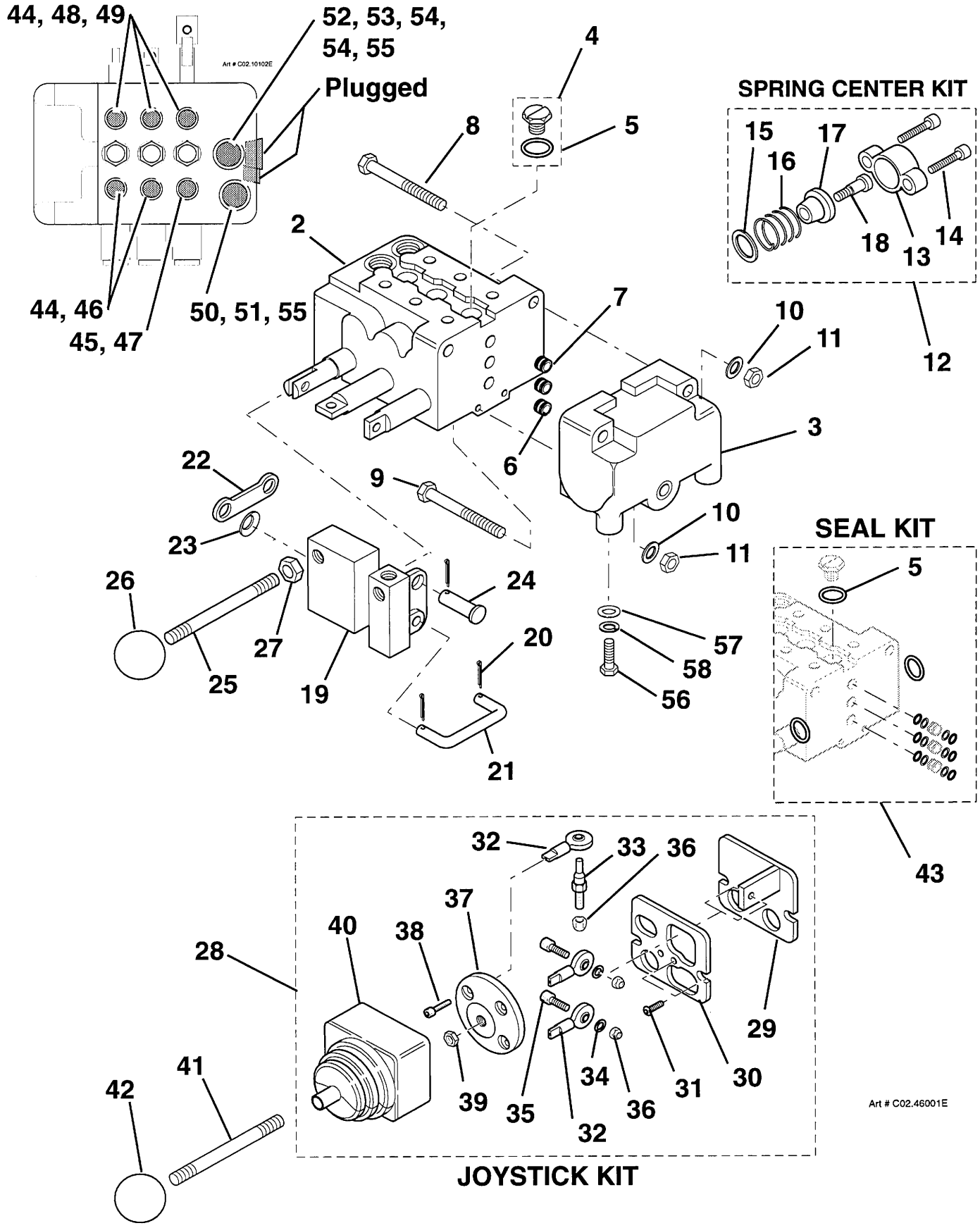
TITLE	PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 1 OF 2)		
SIMON AERIALS INC.	REV. 14 JAN., 1996	PART NO.	PLATE NO. C02.46

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.** REV. 14 JAN., 1996 | PART NO.

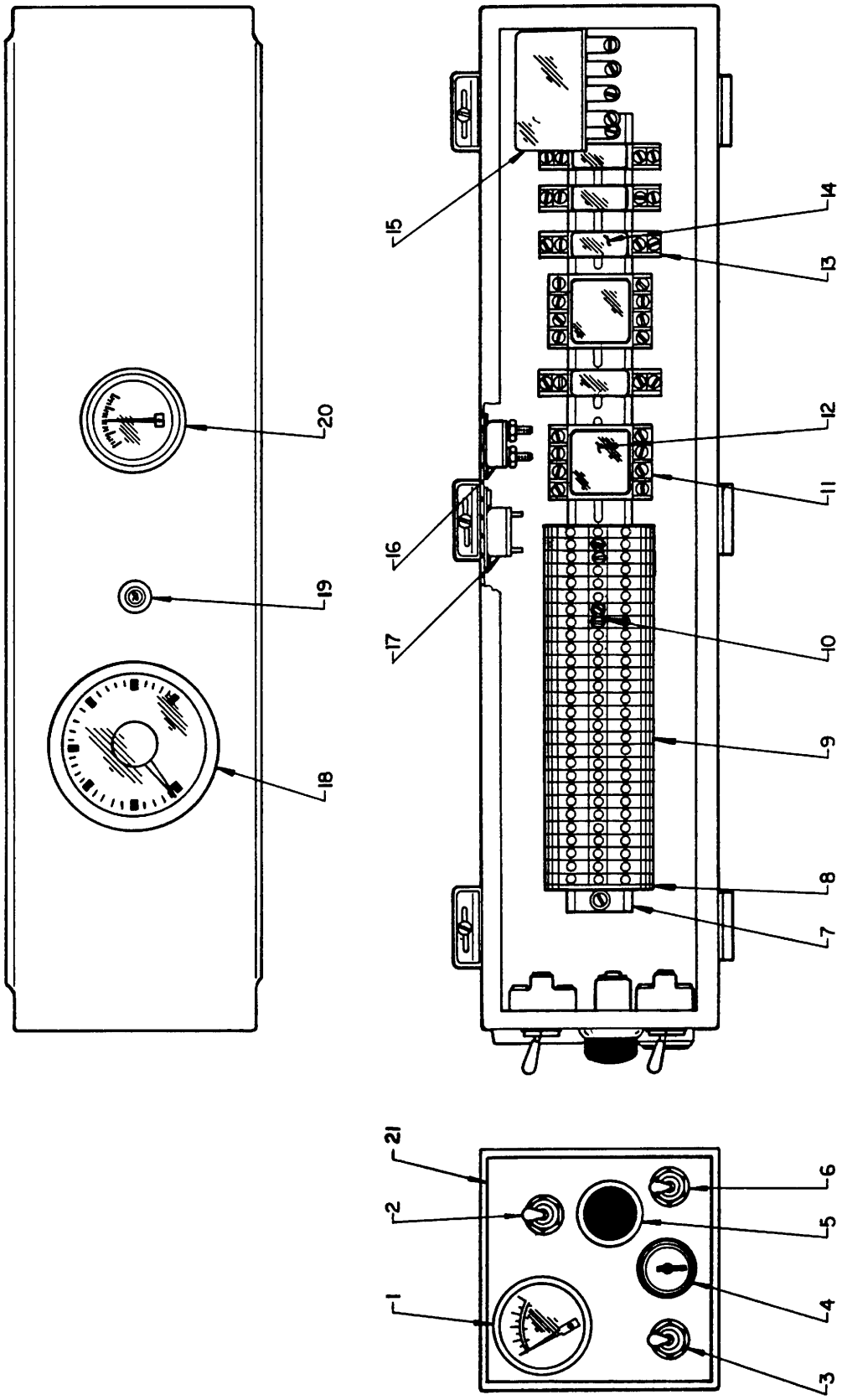


TITLE	PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 2 OF 2)		
SIMON AERIALS INC.	REV. 14 JAN., 1996	PART NO.	PLATE NO. C02.46

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-030300		OIL PRESSURE GAUGE	1
2	03-020700		TOGGLE SWITCH, 4 PDT (GROUND OVERRIDE)	1
3	03-020400		TOGGLE SWITCH, SPST (IGNITION)	1
4	03-021000		KEYSWITCH	1
5	03-020300		PUSH BUTTON (ENGINE START)	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		LINE 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	03-024100		CIRCUIT BREAKER, 10 AMP	1
17	03-024700		CIRCUIT BREAKER, 20 AMP	1
18	09-000407		TACHOMETER	1
19	03-024000		CIRCUIT BREAKER, 20 AMP	1
20	03-030400		AMMETER	1
21	10-024500		DECAL	1

DESCRIPTION	PART NO.
GROUND CONTROL BOX (DIESEL ENGINE)	CAA-207230-8



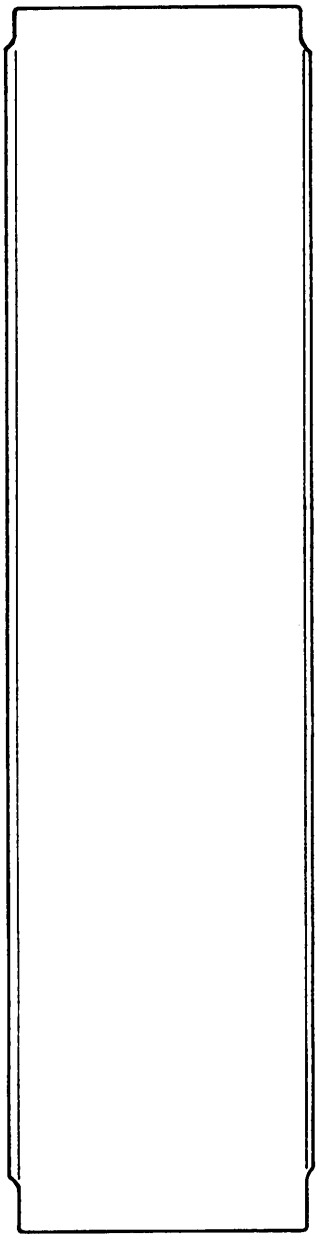
0884/0784

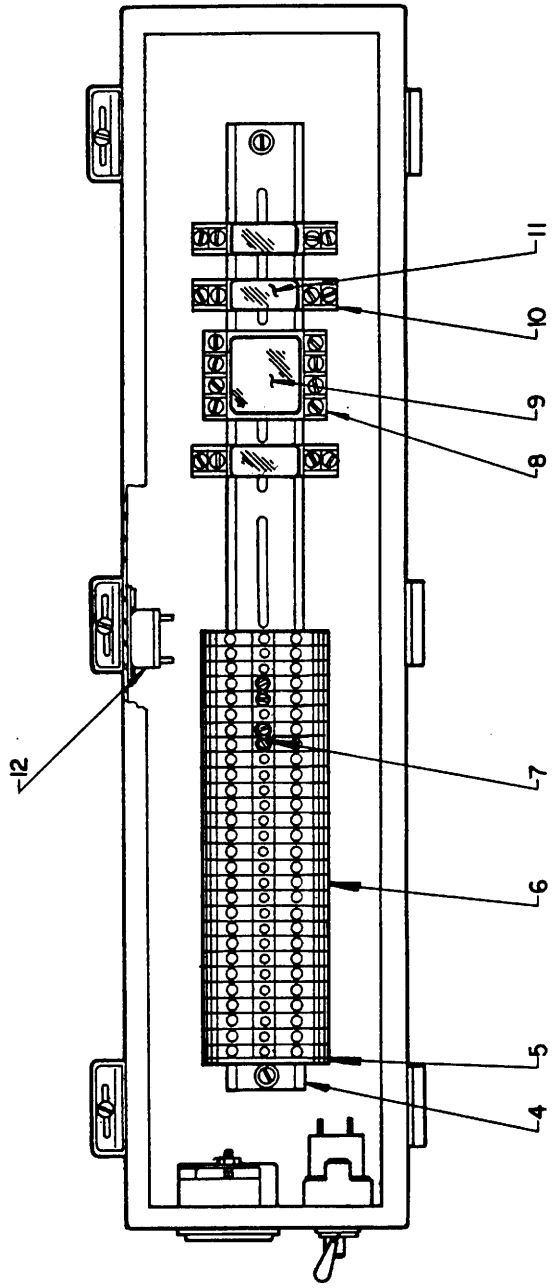
DESCRIPTION	PART NO.
GROUND CONTROL BOX (DIESEL ENGINE)	CAA-207230-8

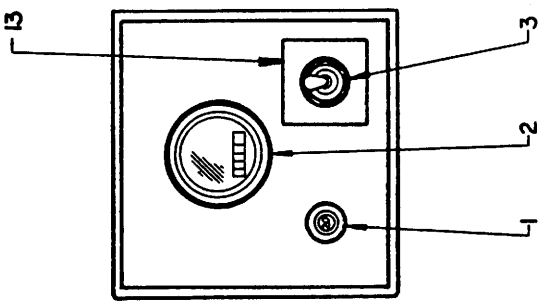
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-024000		CIRCUIT BREAKER	1
2	03-030500		HOURMETER	1
3	03-020700		TOGGLE SWITCH, 4 PDT (GROUND OVERRIDE)	1
4	03-051900		MOUNTING RAIL	14"
5	03-066100		END PLATE	1
6	03-066200		TERMINAL BLOCK	30
7	03-066300		JUMPER	2
8	03-051800		RELAY BASE	1
9	03-050100		CONTROL RELAY, DPDT	1
10	03-051600		RELAY BASE	3
11	03-051500		CONTROL RELAY	3
12	03-024700		CIRCUIT BREAKER, 20 AMP	1
13	10-016700		DECAL	1

DESCRIPTION	PART NO.
GROUND CONTROL BOX	CAA-207231-7







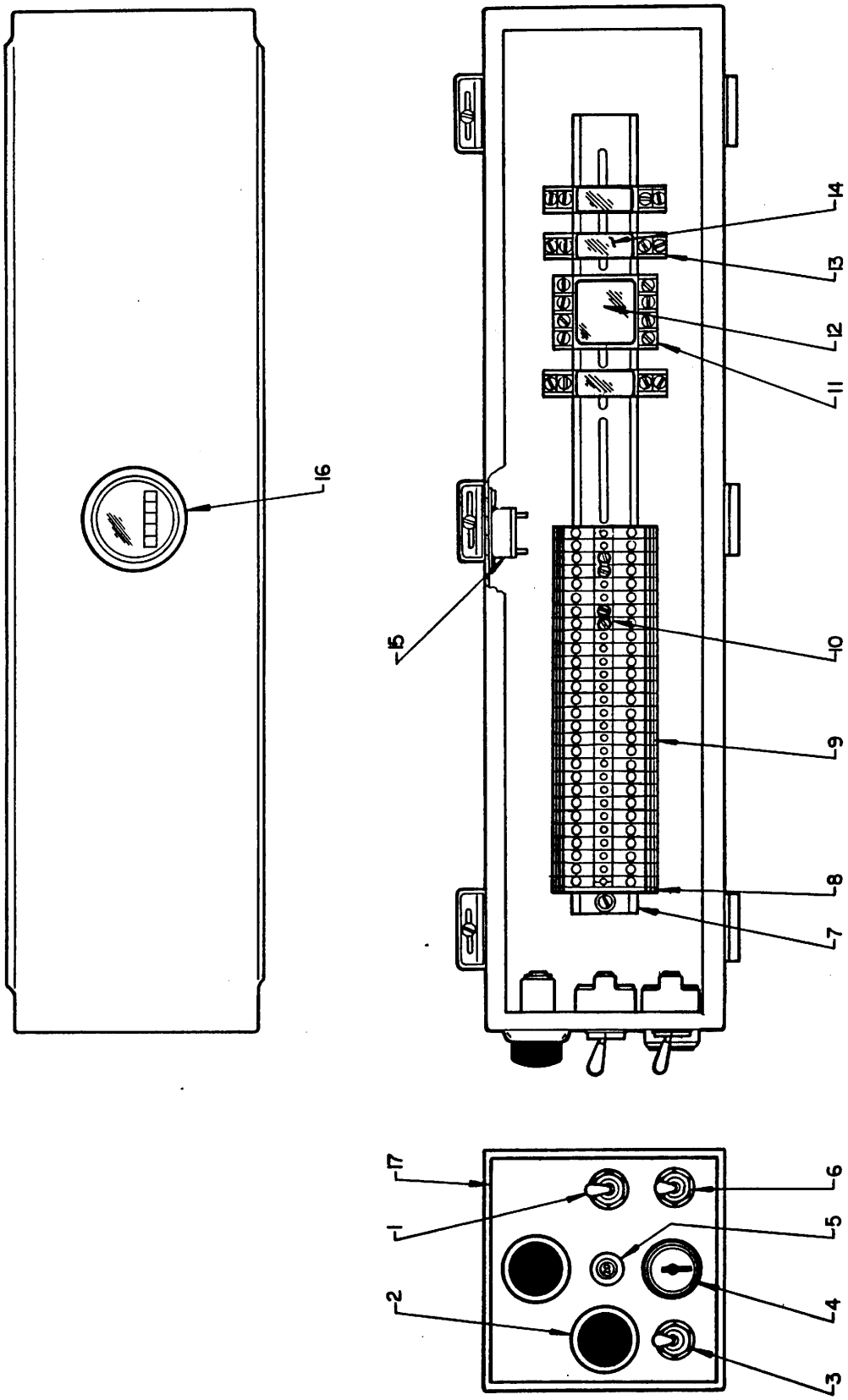
0884/0784

DESCRIPTION	PART NO.
GROUND CONTROL BOX	CAA-207231-7

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		HOURMETER	1
17	10-026000		DECAL	1

DESCRIPTION	PART NO.
GROUND CONTROL BOX (GAS ENGINE)	CAA-208463-9



0385/1184

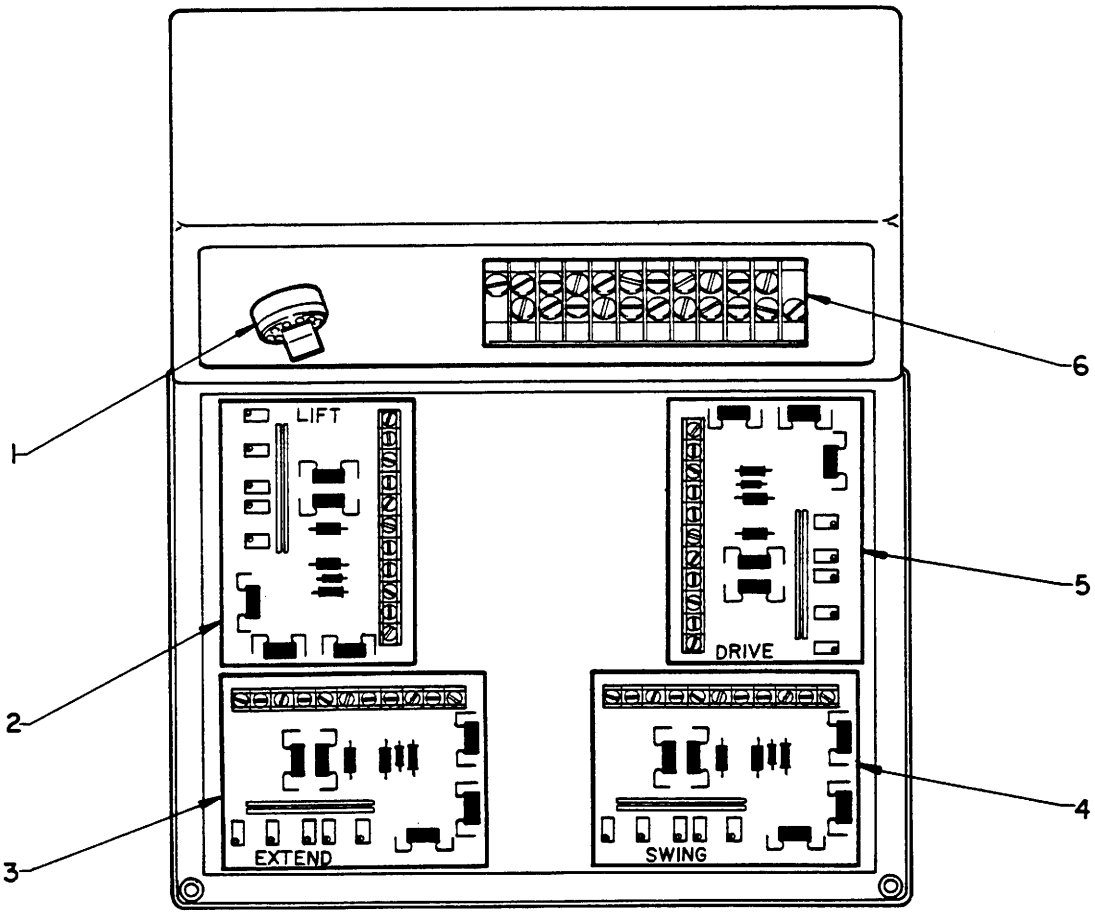
DESCRIPTION	PART NO.
GROUND CONTROL BOX (GAS ENGINE)	CAA-208463-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-403100		POTENTIOMETER	1
2	03-027201		CONTROL CARD, LIFT	1
3	03-027201		CONTROL CARD, EXTEND	1
4	03-027201		CONTROL CARD, SWING	1
5	03-027201		CONTROL CARD, VEHICLE DRIVE	1
6	03-068000		TERMINAL STRIP	1

DESCRIPTION
GROUND CONTROL BOX (PROPORTIONAL CONTROLS)

PART NO.
CAA-208493-4



0885/0785

DESCRIPTION	PART NO.
GROUND CONTROL BOX (PROPROTIONAL CONTROLS)	CAA-208493-4

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-020300		BUTTON, PUSH (Engine start)	1
	03-020300		BUTTON, PUSH (Emergency power)	1
2	03-020700		SWITCH, TOGGLE (4 pole, Double throw) (Ground override)	1
3	10-026000		DECAL	1
4	03-020400		SWITCH, TOGGLE (Single pole, Single throw) (Ignition)	1
	03-020400		SWITCH, TOGGLE (Single pole, Single throw) (R.P.M.)	1
5	03-021000		SWITCH, KEY OPERATED	1
6	03-051700		RAIL, MOUNTING (14" long)	1
7	03-066100		PLATE, END	1
8	03-066200		BLOCK, TERMINAL	30
9	03-066300		JUMPER, LINE	2
10	03-051800		BASE, RELAY	2
11	03-050100		RELAY, CONTROL (Double pole, Double throw)	2
12	03-051600		BASE, RELAY	3
13	03-051500		RELAY, CONTROL (Single pole, Single throw)	3
14	03-052800		RELAY, CONTROL (Time delay)	1
15	03-024000		BREAKER, CIRCUIT (20 Amp)	1
16	03-024700		BREAKER, CIRCUIT (20 Amp)	1
17	03-024100		BREAKER, CIRCUIT (10 Amp)	1
18	03-030500		METER, HOUR	1
19	03-402500		SWITCH, CHOKE (Double pole, Single throw)	1
20	03-402600		BEZEL, CHOKE SWITCH OPERATOR	1
21	03-402800		OPERATOR, CHOKE SWITCH	1

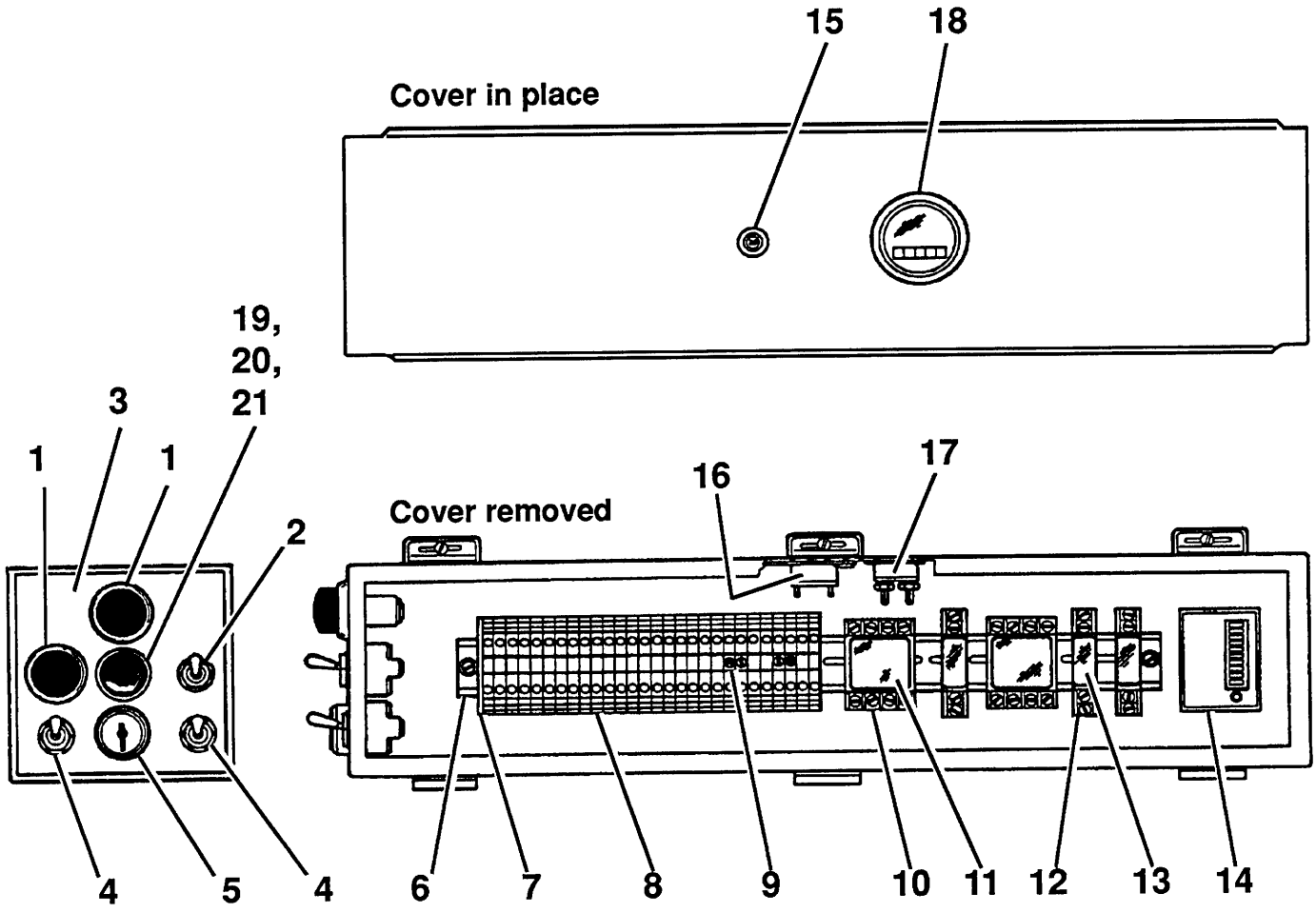
TITLE: GROUND CONTROL BOX ASSEMBLY

PLATE NO. C03.18

SIMON AERIALS INC.

REV. 10/01/90

PART NO.



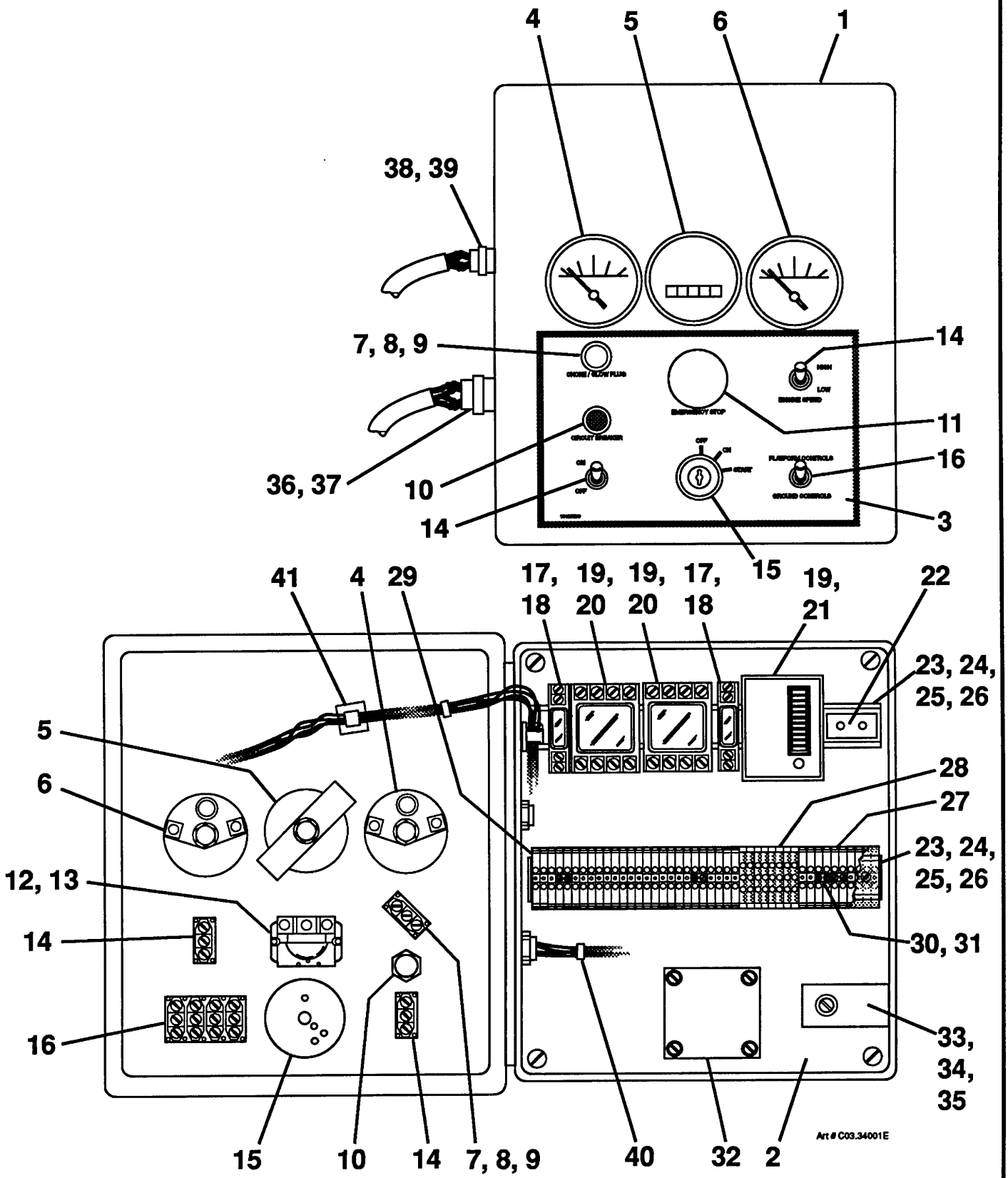
TITLE	GROUND CONTROL BOX ASSEMBLY		
SIMON AERIALS INC.	REV. 10/01/90	PART NO.	PLATE NO. C03.18

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)	6
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.

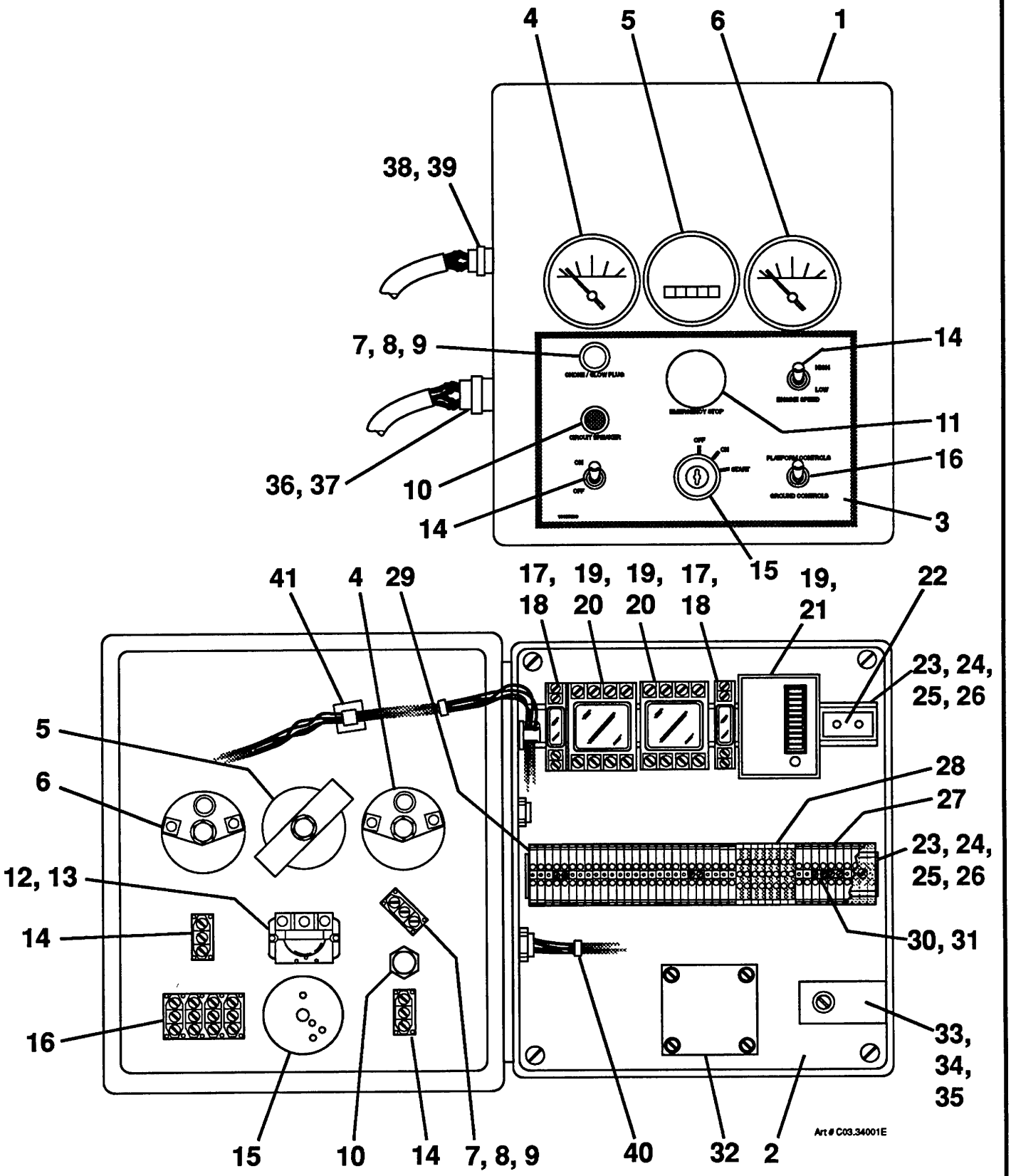


TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC. NEW 28 APR., 1992		PART NO.	PLATE NO. C03.34

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.	

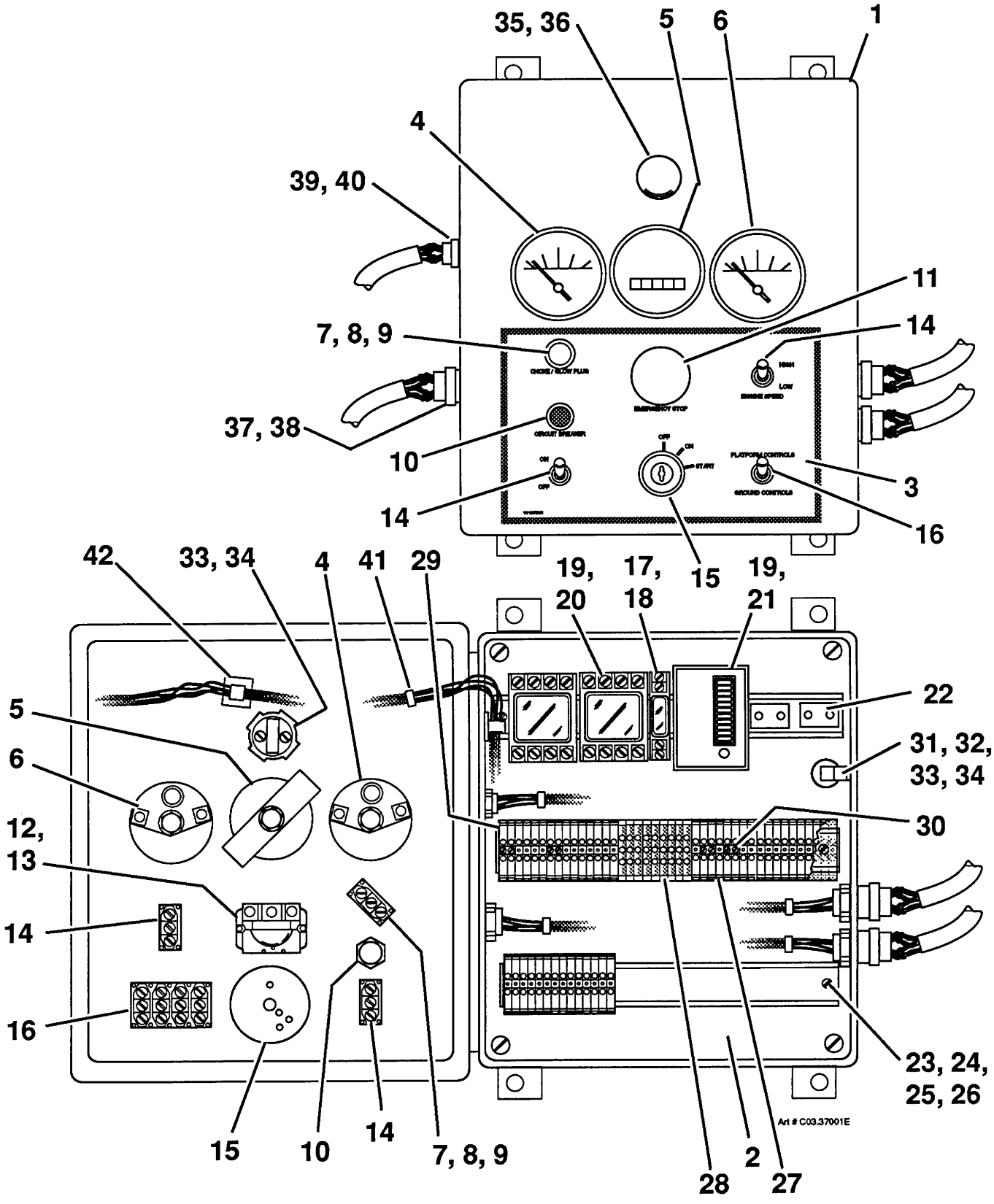


TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)		
SIMON AERIALS INC.	NEW 28 APR., 1992	PART NO.	PLATE NO. C03.34

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.



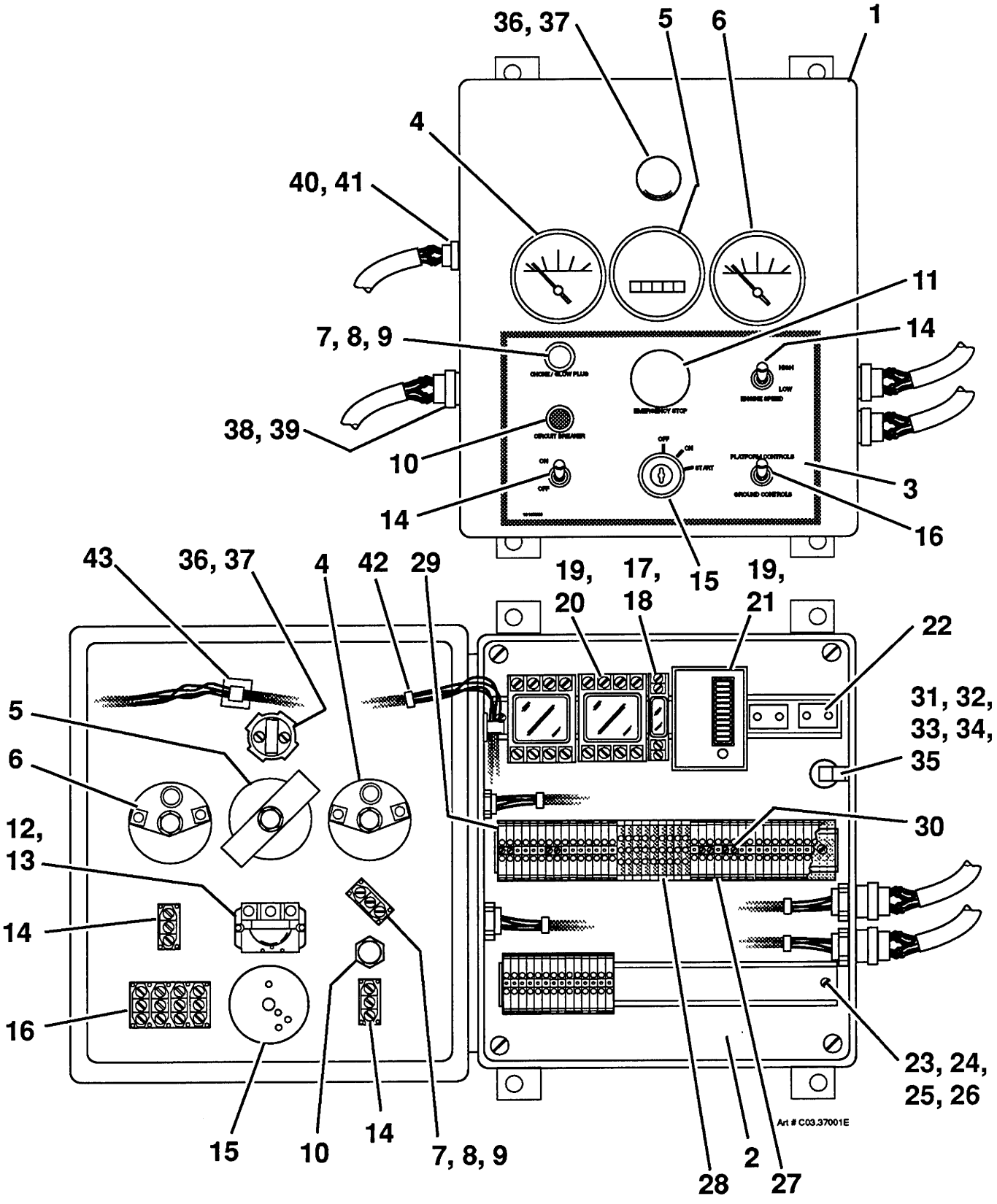
TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC. NEW 13 DEC., 1993		PART NO.	PLATE NO. C03.37

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.** NEW 13 DEC., 1993 | PART NO.



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

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2150050		CABINET, DRIVE CARD	1
2	03-027201		BOARD, DRIVE	4
3	2143240		CHANNEL, MOUNTING [10" (254 mm) long]	1
4	2150130		CHANNEL, MOUNTING [4" (102 mm) long]	2
5	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	6
6	07-050111		NUT, STOP (#10-32) (not shown)	6
7	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	23
8	03-039100		BLOCK, TERMINAL (Grounding, for #12 Gauge wire)	4
9	03-066100		PLATE, TERMINAL BLOCK END	1
10	03-066300		JUMPER, LINE (Double)	3
11	03-051500		RELAY, PLUG IN (Single pole, 12 Volt DC)	1
12	03-051600		SOCKET, RELAY (Single pole, snap mount)	1
13	2150140		TRACK, MOUNTING [9" (229 mm) long]	1
14	07-011335		MACHINE SCREW, ROUND HEAD (#6-32 x 1/2")	2
15	07-050007		NUT, LOCK (#6-32)	2
16	03-403100		POTENTIOMETER (25 K)	1
17	2114210		MOUNT, POTENTIOMETER	1
18	03-041000		GRIP, CORD (1/2", sealing)	3
19	03-055500		NUT, CONDUIT LOCK (1/2")	3
20	03-063200		GRIP, CORD (3/4", sealing)	1
21	03-055600		NUT, CONDUIT LOCK (3/4")	1
22	03-064000		TIE, CABLE [7.4" (188 mm) long]	A.R.
23	03-064100		MOUNT, CABLE TIE	7
24	2097255		BRACKET, MOUNTING	2
25			CAP SCREW, HEX HEAD	4
26			WASHER, FLAT	8
27			NUT, HEX LOCK	4

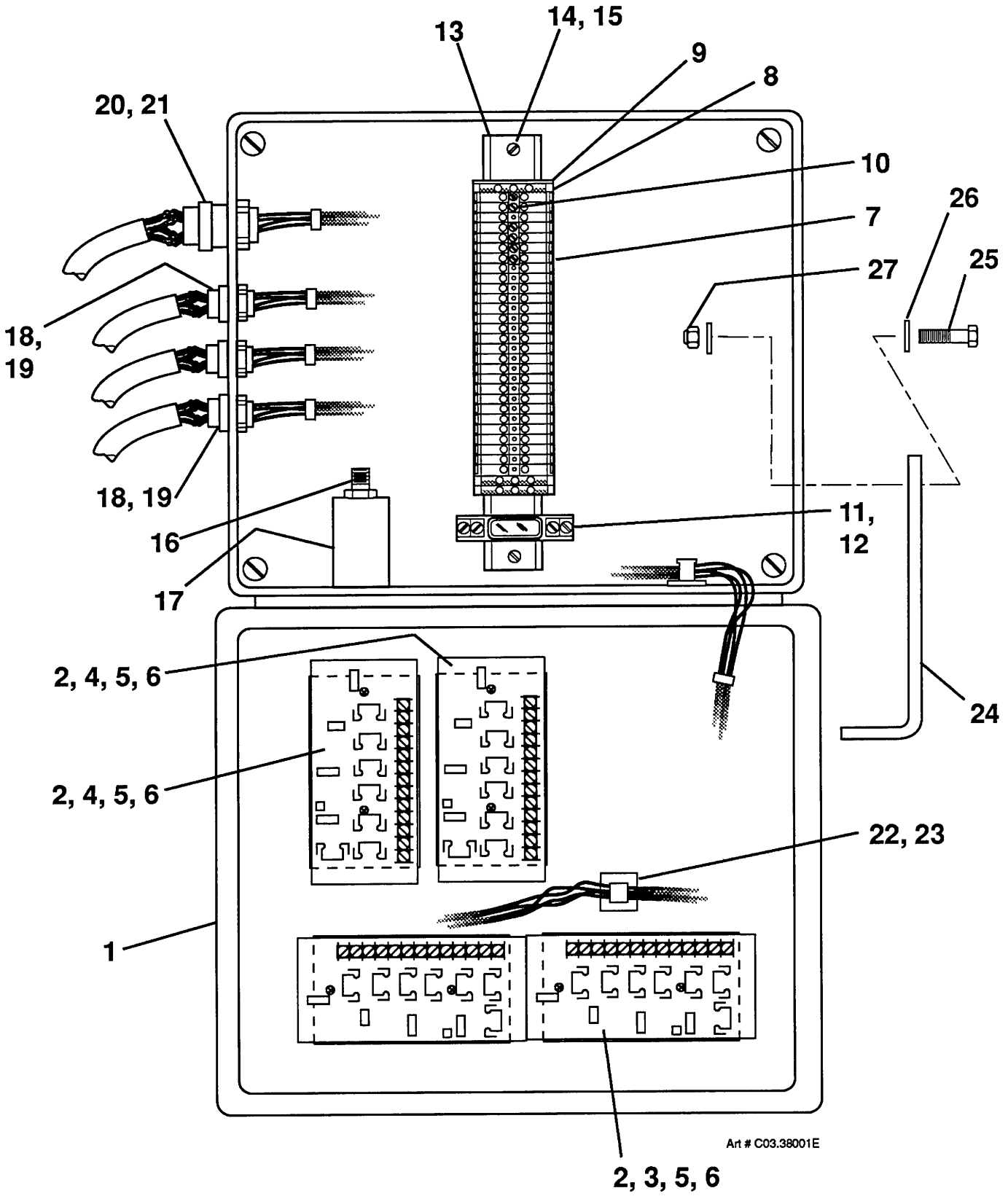
TITLE: DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)

PLATE NO. C03.38

SIMON AERIALS INC.

NEW 10 DEC., 1993

PART NO.

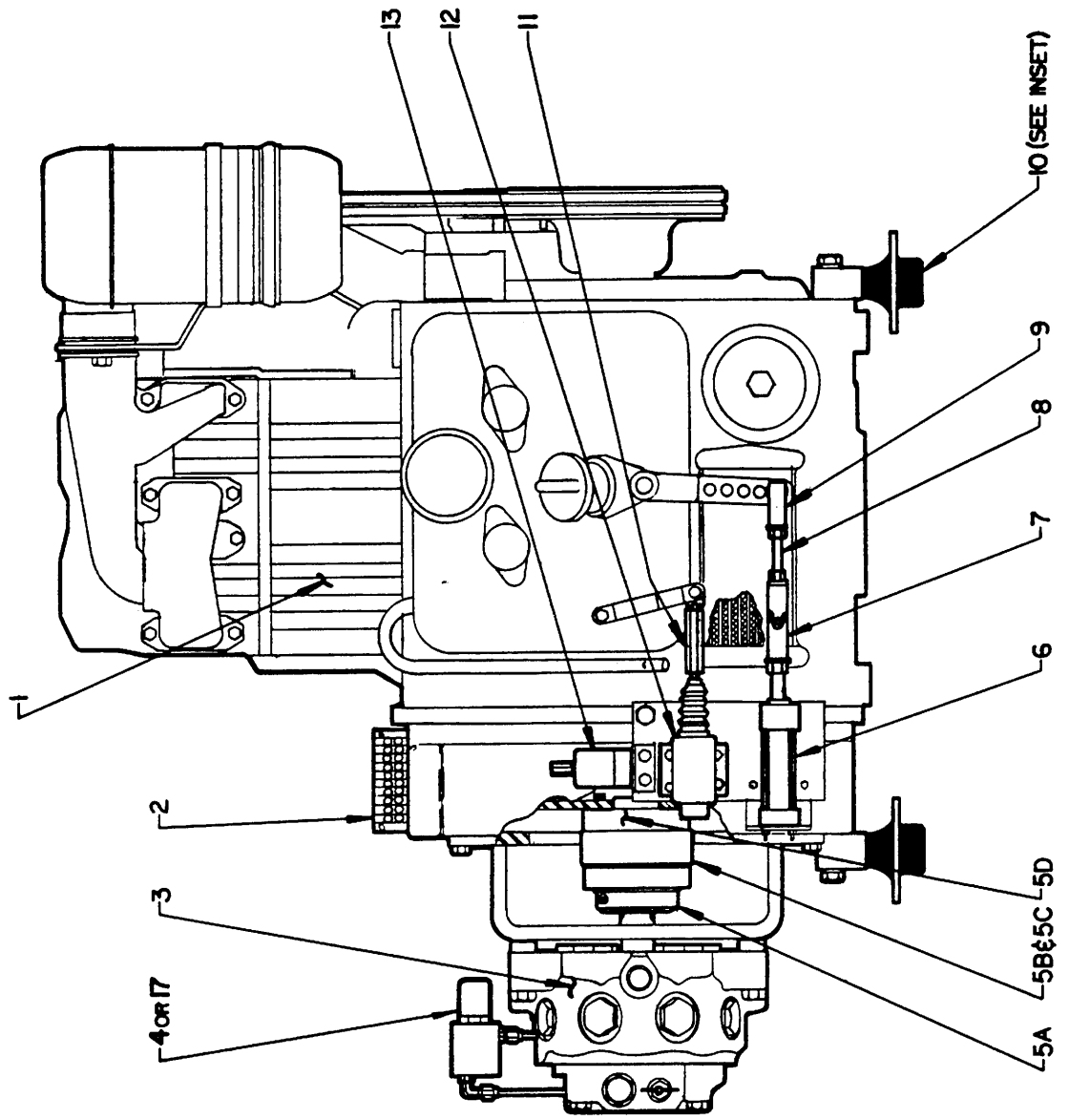


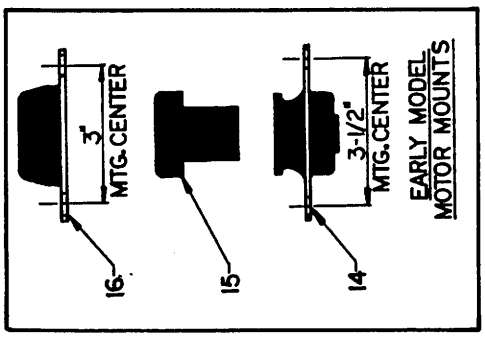
TITLE	DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)		
SIMON AERIALS INC. NEW 10 DEC., 1993		PART NO.	PLATE NO. C03.38

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-000400		DIESEL ENGINE (DEUTZ MODEL #F2L912)	1
2	09-000409		TERMINAL BLOCK	1
3	SEE INDEX	D8	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°	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





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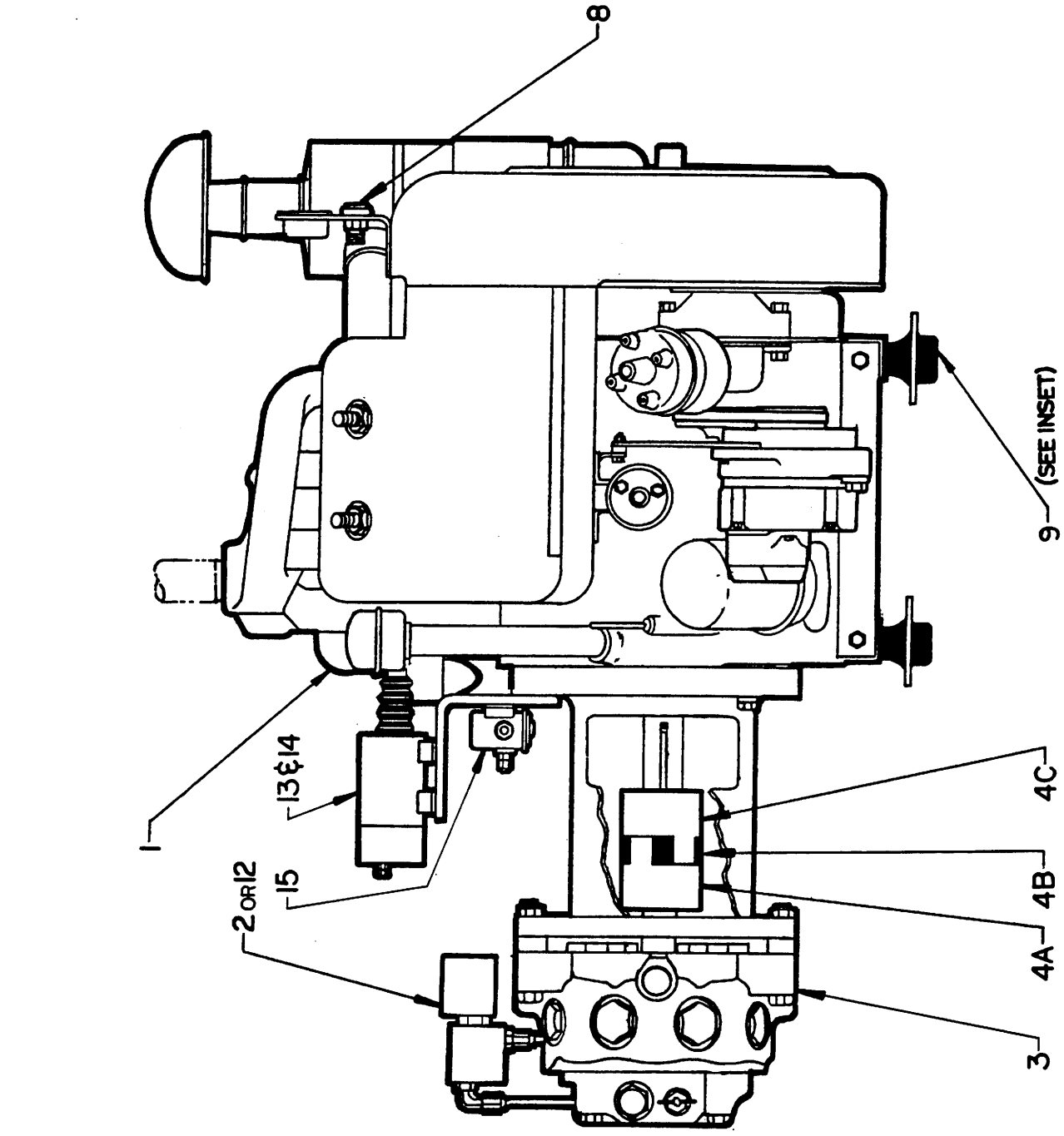
DESCRIPTION	PART NO.
DIESEL ENGINE ASSEMBLY	CAA-206226-4

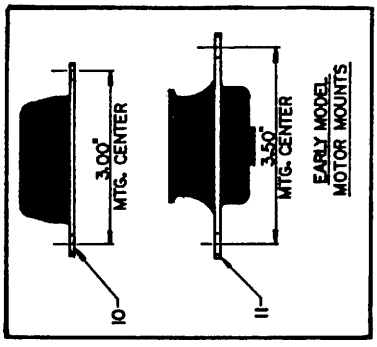
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700		GAS ENGINE (WIS. MODEL #W4-1770)	1
2	01-007600		UNLOADING VALVE, N.C. (PARKER, TO 03/85)	1
3	SEE INDEX	D8	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	PART NO.
GAS ENGINE ASSEMBLY - 35 H.P.	CAA-206258-3





0884

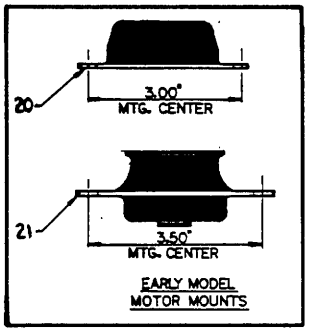
DESCRIPTION	PART NO.
GAS ENGINE ASSEMBLY - 35 H.P.	CAA-206258-3

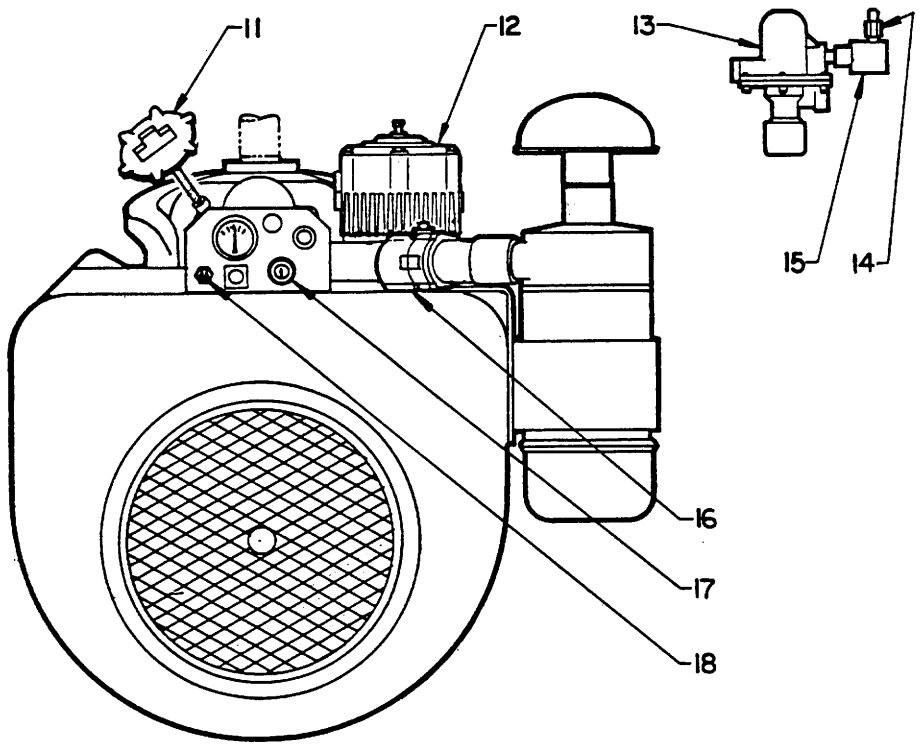
PARTS LIST

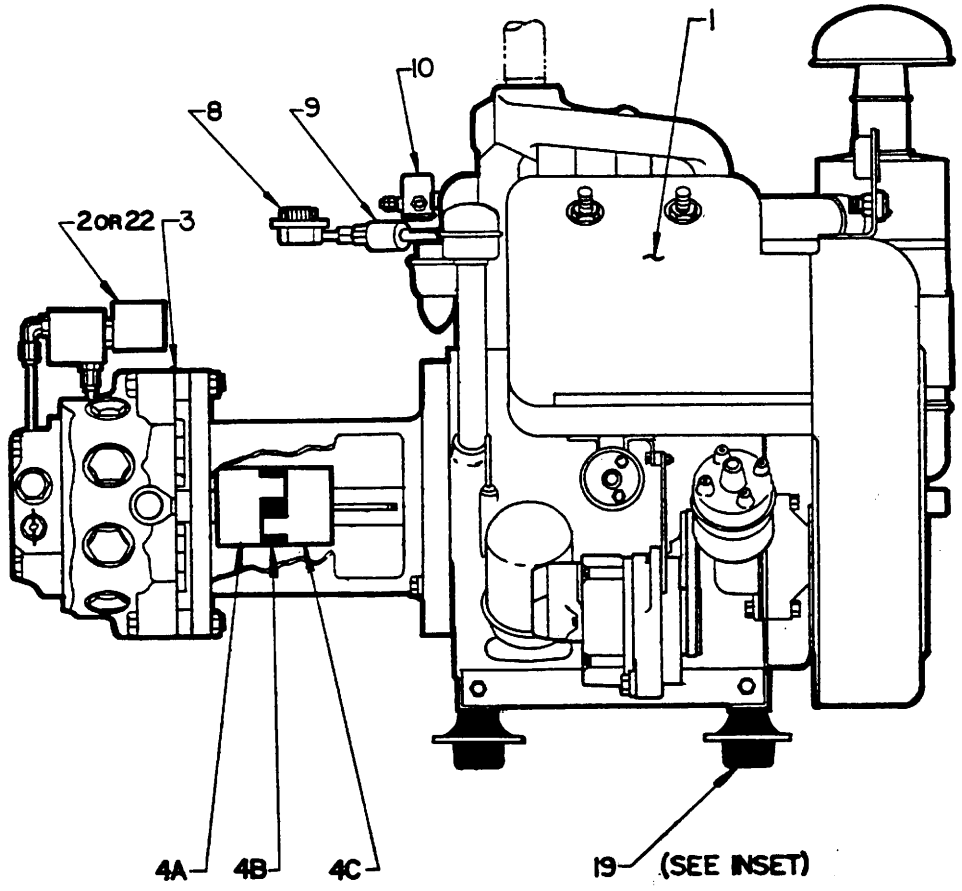
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700		ENGINE (WIS. MODEL #W4-1770)	1
2	01-007600		UNLOADING VALVE, N.C. (PARKER, TO 03/85)	1
3	SEE INDEX	D8	HYDRAULIC PUMP	1
4	02-008200		COUPLING (COMPLETE)	1
4A			COUPLING HALF (PUMP)	1
4B*	02-008201		COUPLING INSERT	1
4C			COUPLING HALF (ENGINE)	1
8	09-012300		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		TOGGLESWITCH, 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







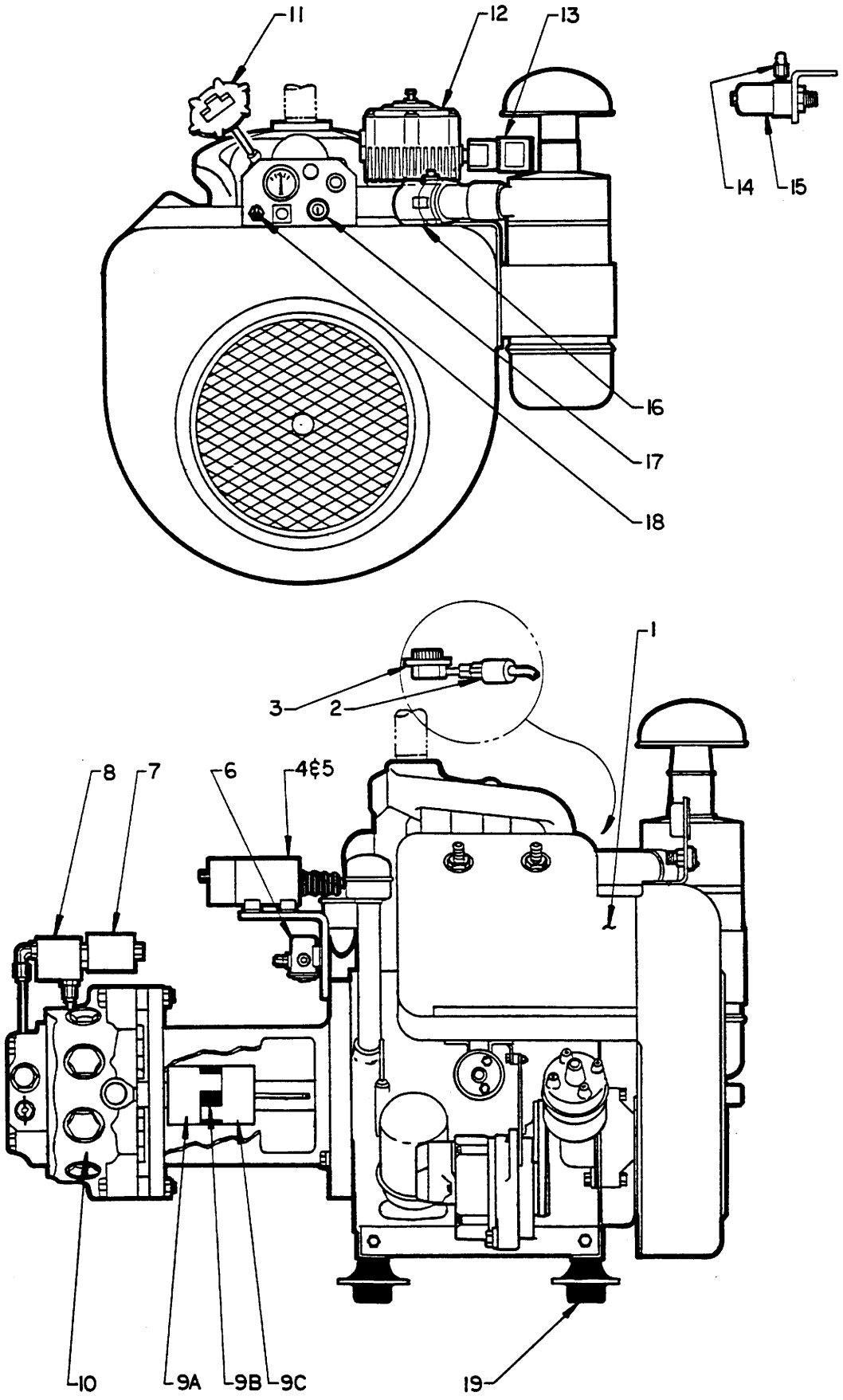
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DESCRIPTION	PART NO.
DUAL FUEL ENGINE ASSEMBLY-35 H.P.	CAA-207228-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-006700		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		CARTRIGE 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	D8	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	PART NO.
DUAL FUEL ENGINE ASSEMBLY - 35 H.P.	CAA-208500-3



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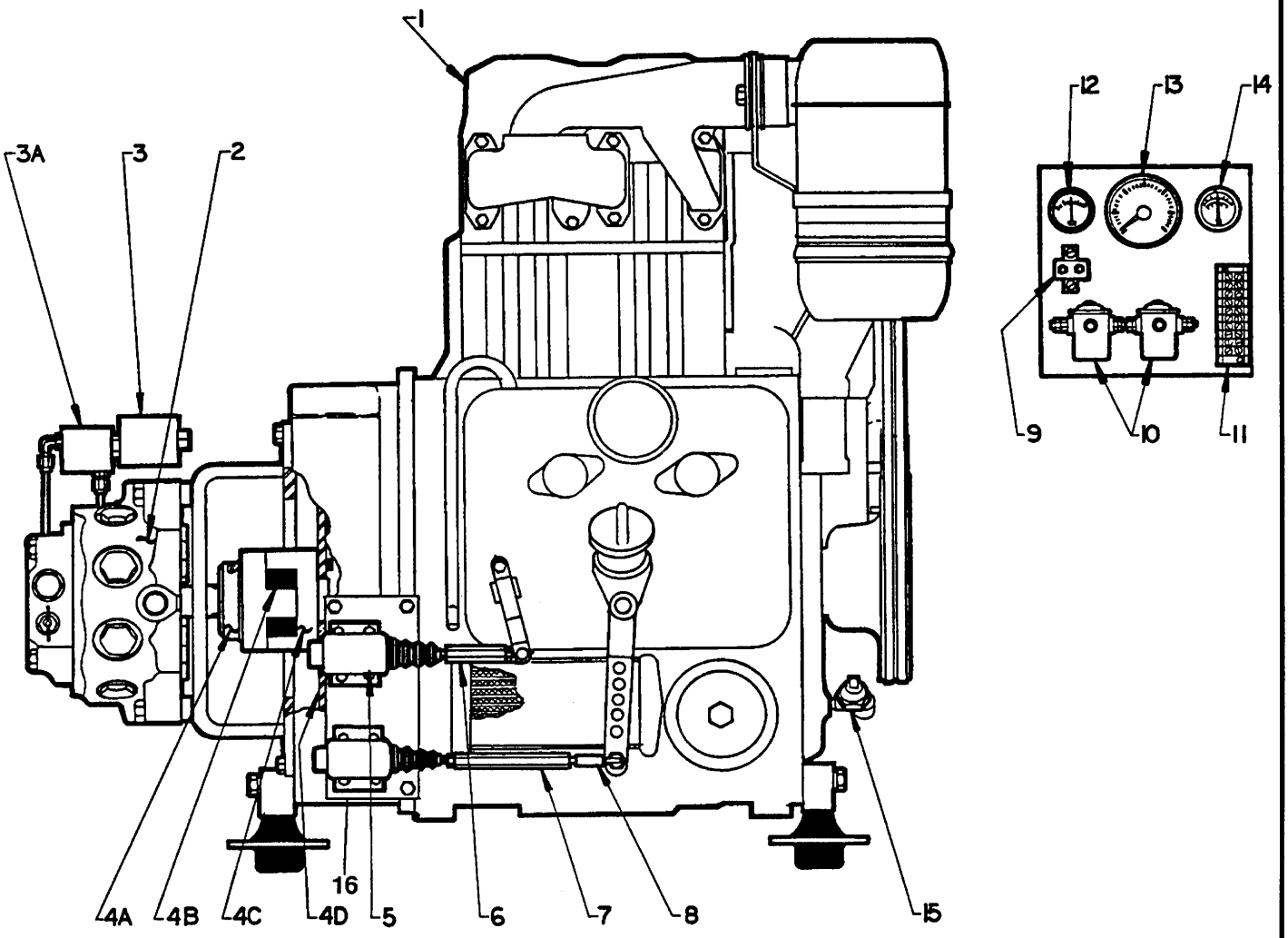
DESCRIPTION	PART NO.
DUAL FUEL ENGINE ASSEMBLY - 35H.P.	CAA-208500-3

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE, DIESEL (Deutz Model F2L912)	1
2	SEE INDEX	D08	PUMP, HYDRAULIC	1
3	01-013700		VALVE, SOLENOID (pump unloading)	1
3A	01-013900		BLOCK, SOLENOID VALVE	1
4	02-008500		COUPLING (complete)	1
4A	02-008501		BODY, COUPLING (pump half)	1
4B	02-008502		INSERT, SPIDER	1
4C	02-008503		BODY, FLANGE (engine half)	1
4D	02-008504		FLANGE, FLYWHEEL	1
5	09-000404		SOLENOID (throttle and rack)	2
6			NUT, LONG HEX	1
7	09-020201		NUT, LONG HEX	1
8	09-000411		BALL JOINT, 90°	1
9	03-024800		CIRCUIT BREAKER, 30 A	1
10	03-051300		RELAY (throttle and rack solenoid)	2
11	03-068000		STRIP, TERMINAL	1
12	03-030400		AMMETER	1
13	09-000407		TACHOMETER	1
14	10-034200		GAUGE, OIL PRESSURE	1
15	09-012700		SWITCH, OIL PRESSURE (supplied with engine)	1
16	04-000404		SOLENOID, THROTTLE (to 10/88)	1
	03-053100		SOLENOID, THROTTLE	1

TITLE: DIESEL ENGINE ASSEMBLY

PLATE NO. C04.19 | **SIMON AERIALS INC.** REV. 09/12/90 | PART NO. 2097996

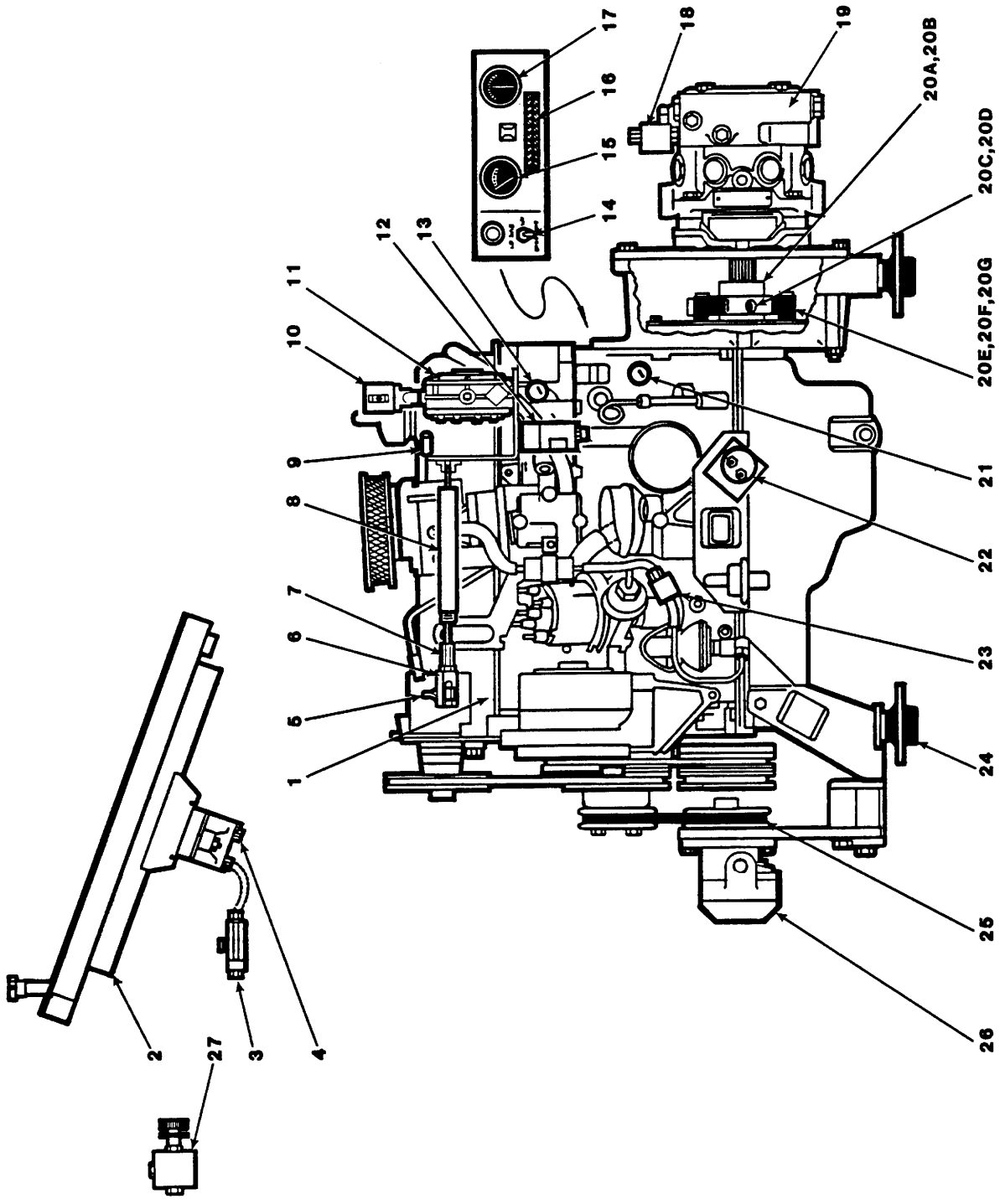


TITLE	DIESEL ENGINE ASSEMBLY		
SIMON AERIALS INC. REV. 09/12/90		PART NO. 2097996	PLATE NO. C04.19

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-023700		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			SOLENOID VALVE, PROPANE SHUTOFF	1
11			PROPANE CONVERTER (VAPORIZER)	1
12	09-000405		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	D8	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			RELAY, STARTER (SUPPLIED W/ENGINE)	1
23	09-017100		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	PART NO.
WATER COOLED GAS ENGINE ASSEMBLY	



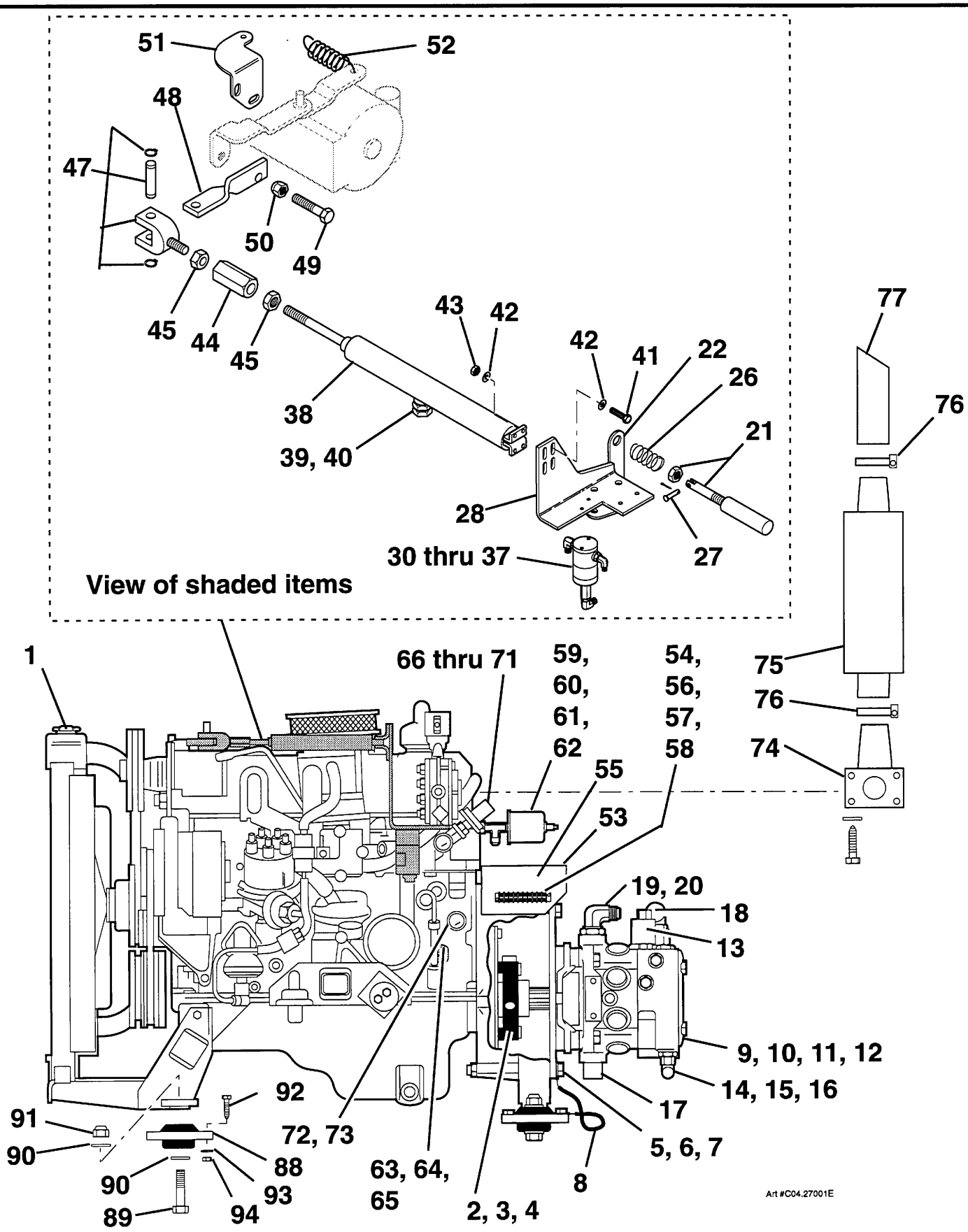
DESCRIPTION	PART NO.
WATER COOLED GAS ENGINE ASSEMBLY	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE GROUP (Ford LSG-423)	1
	3535800		MP/ RP Series with HPR40 Pump (Gasoline)	
	3531340		MP/ RP Series with HPR50 Pump (Gasoline)	
	3535810		MP/ RP Series with HPR40 Pump (Dual fuel)	
	3531350		MP/ RP Series with HPR50 Pump (Dual fuel)	
1			ENGINE ASSEMBLY (Ford LSG-423)	1
	09-017800		63 HP (47 Kw) liquid cooled gas four cylinder	
	09-023700		63 HP (47 Kw) liquid cooled dual fuel four cylinder	
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	
	03-452100		Later version. 1" (25 mm) dia. x 2-3/8" (60 mm) long	
22			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.			PART NO.
C04.27	**SIMON AERIALS INC.**	NEW 04 AUG., 1994	



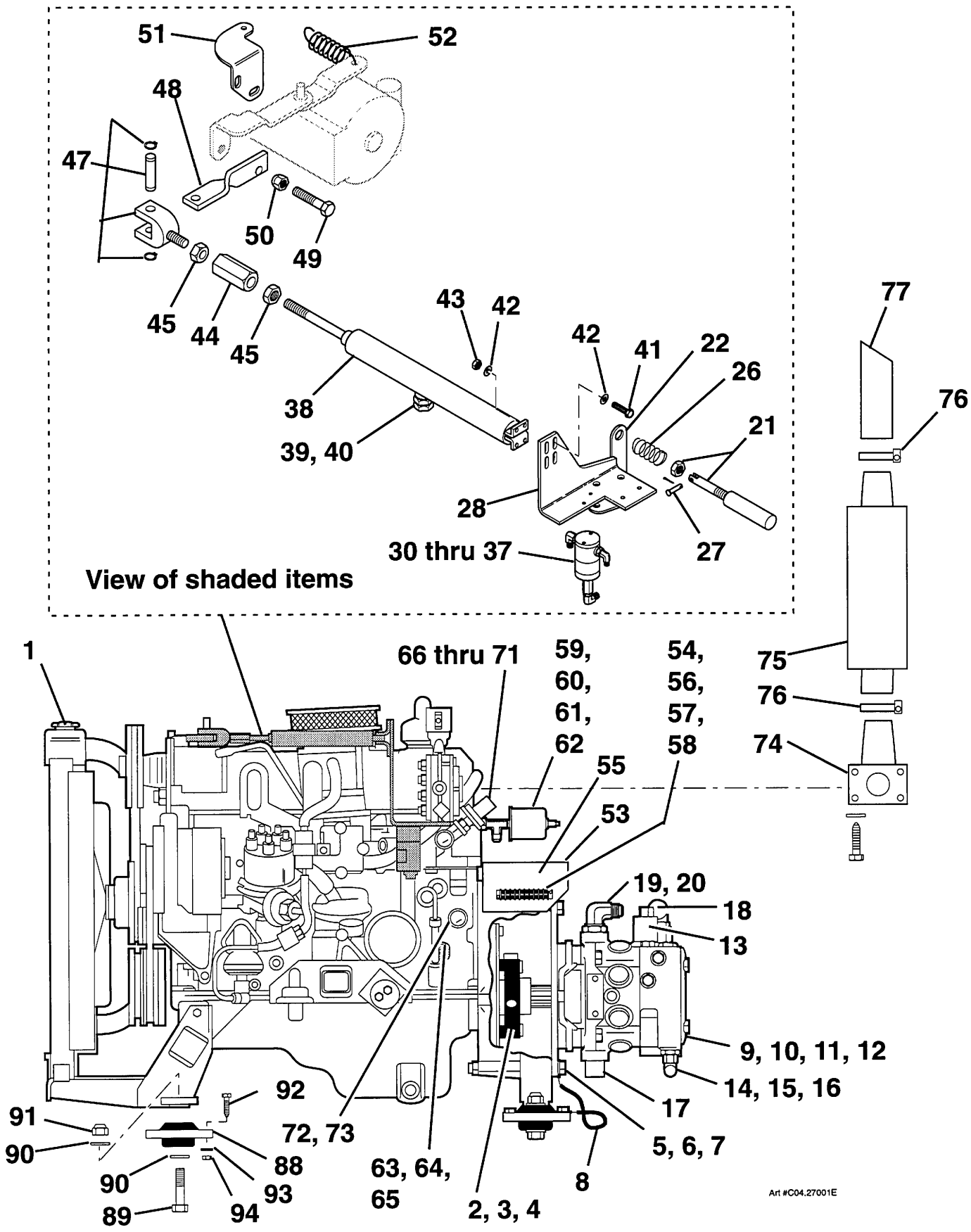
TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 1 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

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.** NEW 04 AUG., 1994 | PART NO.



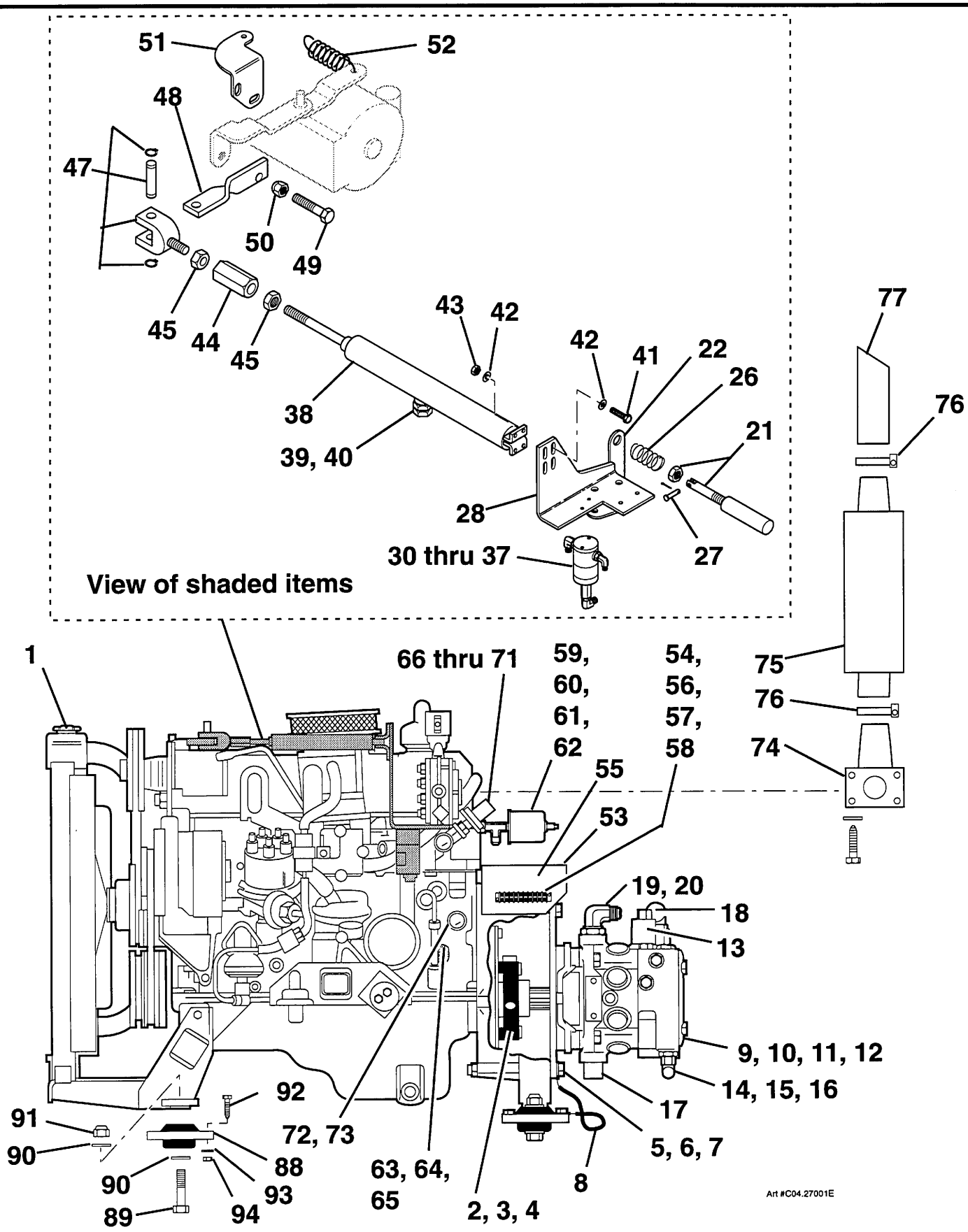
TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

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.		PART NO.
C04.27	**SIMON AERIALS INC.** NEW 04 AUG., 1994	

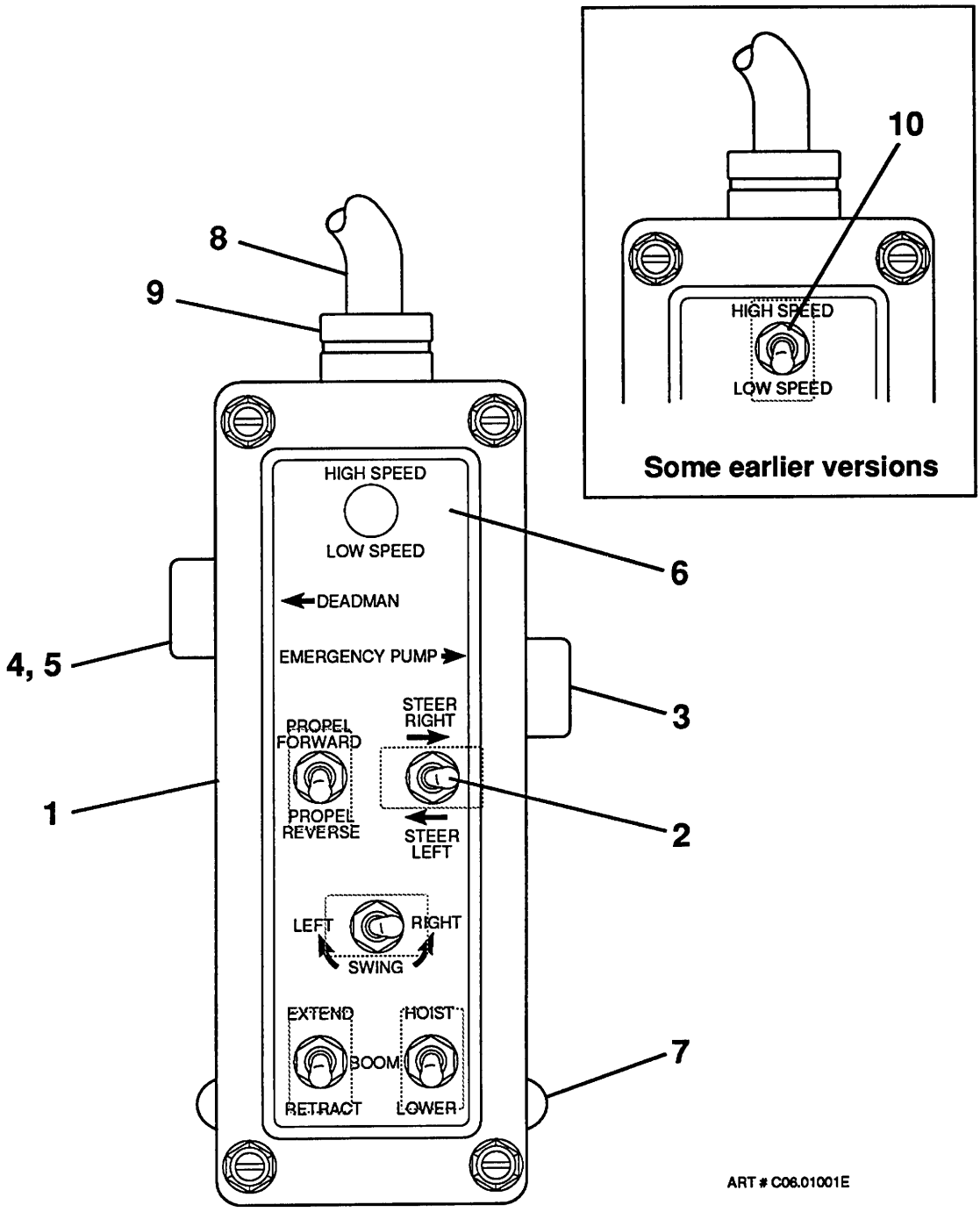


TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	• 2056098		BOX, CONTROL (drilled, includes cover)	1
2	03-020500		SWITCH, TOGGLE (Double pole, double throw)	5
3	03-020300		BUTTON, PUSH (Single pole, single throw)	1
4	03-021200		BUTTON, PUSH (Two position, "push/ pull")	1
5	03-025000		BLOCK, CONTACT (Normally closed)	1
6	10-016400		PLATE, REMOTE CONTROL PENDANT IDENTIFICATION	1
7	01-031705		KNOB, CONTROL BOX MOUNTING	2
8	• 03-085000		CABLE, ELECTRICAL (24 conductor, #16 AWG) [Bulk item, order as needed. 10 Ft (3.05 M) needed here.]	A.R.
9	03-063200		GRIP, CORD (3/4", sealing)	1
			The following optional item, which may be found on **some** earlier pendants, is **not part of** Remote Control Pendant Assembly 3502251:	
	•			
10	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.**	REV. 23 APR., 1993	PART NO. • 3502251	

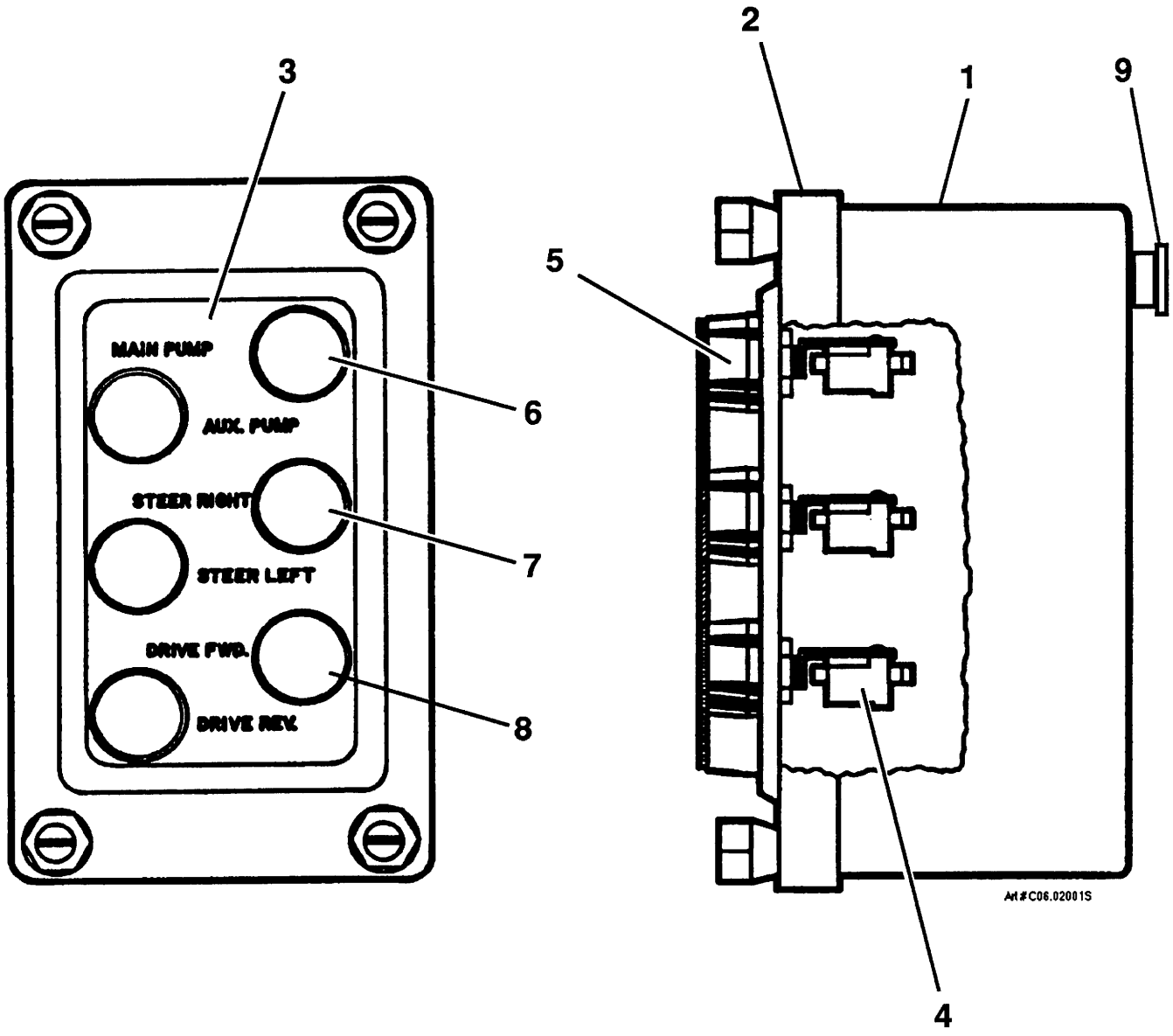


TITLE	REMOTE CONTROL PENDANT ASSEMBLY		
SIMON AERIALS INC.	REV. 23 APR., 1993	PART NO. • 3502251	PLATE NO. C06.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2113380		BOX, CONTROL, (Drilled. Includes cover)	1
	03-406100		BOX, CONTROL, (Undrilled. Includes cover)	1
2			COVER, CONTROL BOX	1
3	10-067200		DECAL, REMOTE CONTROL PENDANT	1
4	03-402500		SWITCH (10 Amp, 250 Volt AC, Double pole, single throw)	6
5	03-402600		BEZEL, SWITCH OPERATOR (Push button, sealed)	6
6	03-402700		INSERT, PUSH BUTTON (Red) (Main/ Auxiliary Pump)	2
7	03-402900		INSERT, PUSH BUTTON (Green) (Steer Left/ Right)	2
8	03-402800		INSERT, PUSH BUTTON (Blue) (Drive Forward/ Reverse)	2
9	01-031705		KNOB, VALVE (for attachment to bracket)	2
10	03-446100		CABLE, ELECTRICAL (#18 AWG, 10 conductor) [12' (3.66 M) needed for this application]	A.R.
11	03-041000		GRIP, CORD (1/2", sealing)	1

TITLE	PENDANT ASSEMBLY, REMOTE CONTROL				
PLATE NO.	C06.02	SIMON AERIALS INC.	REV. 10 APR., 1992	PART NO.	3510225



TITLE	PENDANT ASSEMBLY, REMOTE CONTROL		
SIMON AERIALS INC. REV. 10 APR., 1992		PART NO. 3510225	PLATE NO. C06.02

PARTS LIST

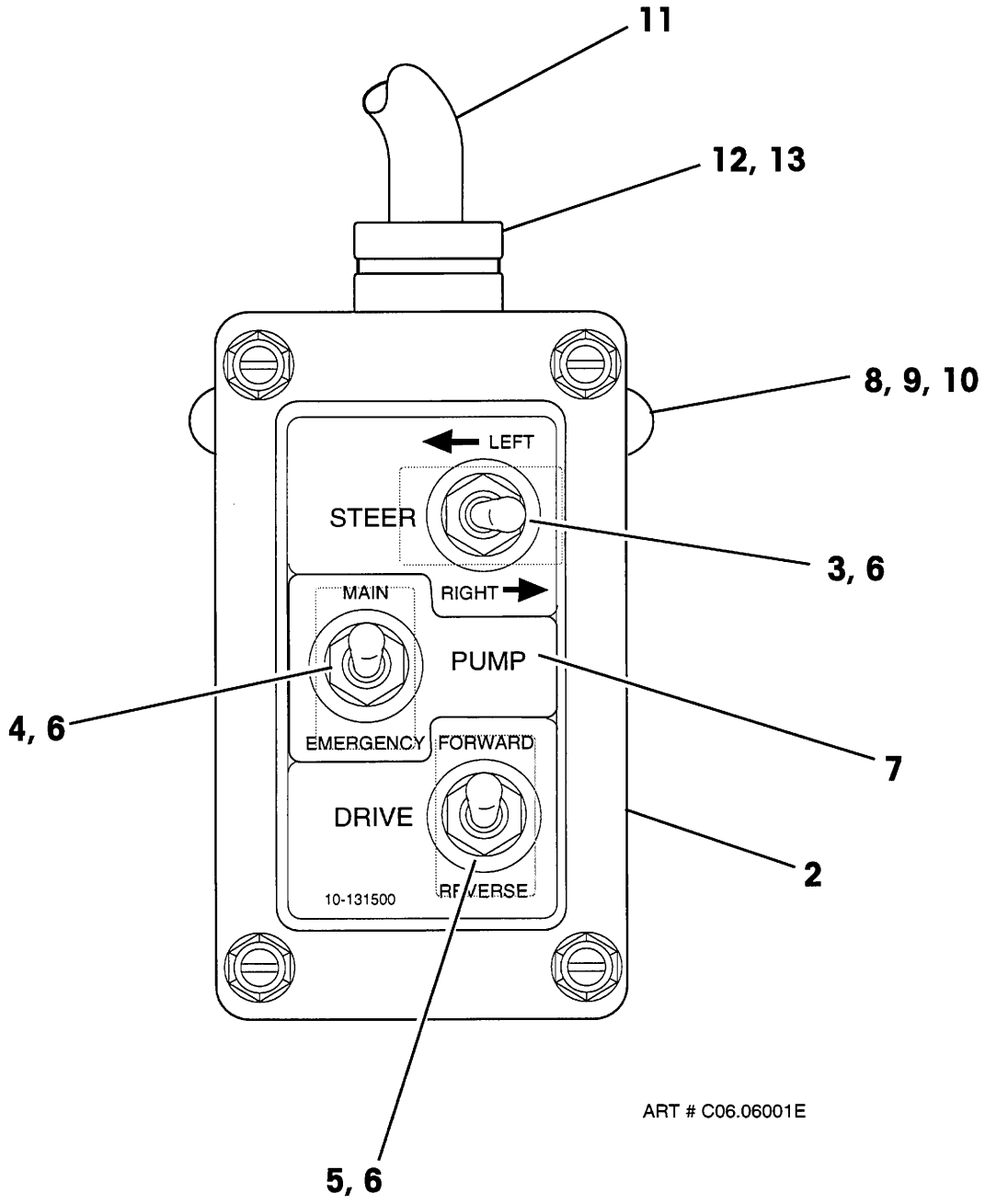
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 9370		PENDANT ASSEMBLY, REMOTE CONTROL	1
2			BOX, CONTROL (includes cover)	1
	219 3970		drilled for this application	
	03-406100		undrilled box	
3	03-020500		SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	1
4			SWITCH, TOGGLE (Pump) (Three position, momentary contact)	1
	03-020500		single pole, double throw (current versions)	
	03-020600		double pole, double throw (some earlier versions)	
5	03-020600		SWITCH, TOGGLE (Drive) (Three position, momentary contact, double pole, double throw)	1
6	03-497900		SEAL, PANEL	3
7	10-131500		DECAL, REMOTE CONTROL PENDANT Current style has White and Red lettering on Black background. Earlier style has Black lettering on a White background.	1
			Appearance change only, current style will be supplied.	
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)	10
11	03-446100		CABLE, ELECTRICAL (#18 AWG, 10 conductor) (10 ft [3.05 m] needed for this application)	A.R.
12	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	1
13	03-055700		NUT, CONDUIT LOCK (3/8")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	12
15	03-064000		TIE, CABLE (7.4" [188 mm] long)	5
16	03-064100		MOUNT, CABLE TIE (adhesive backed)	1

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
C06.	06	01	A	14 FEB., 1997	352 9370

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 # C06.06001E

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

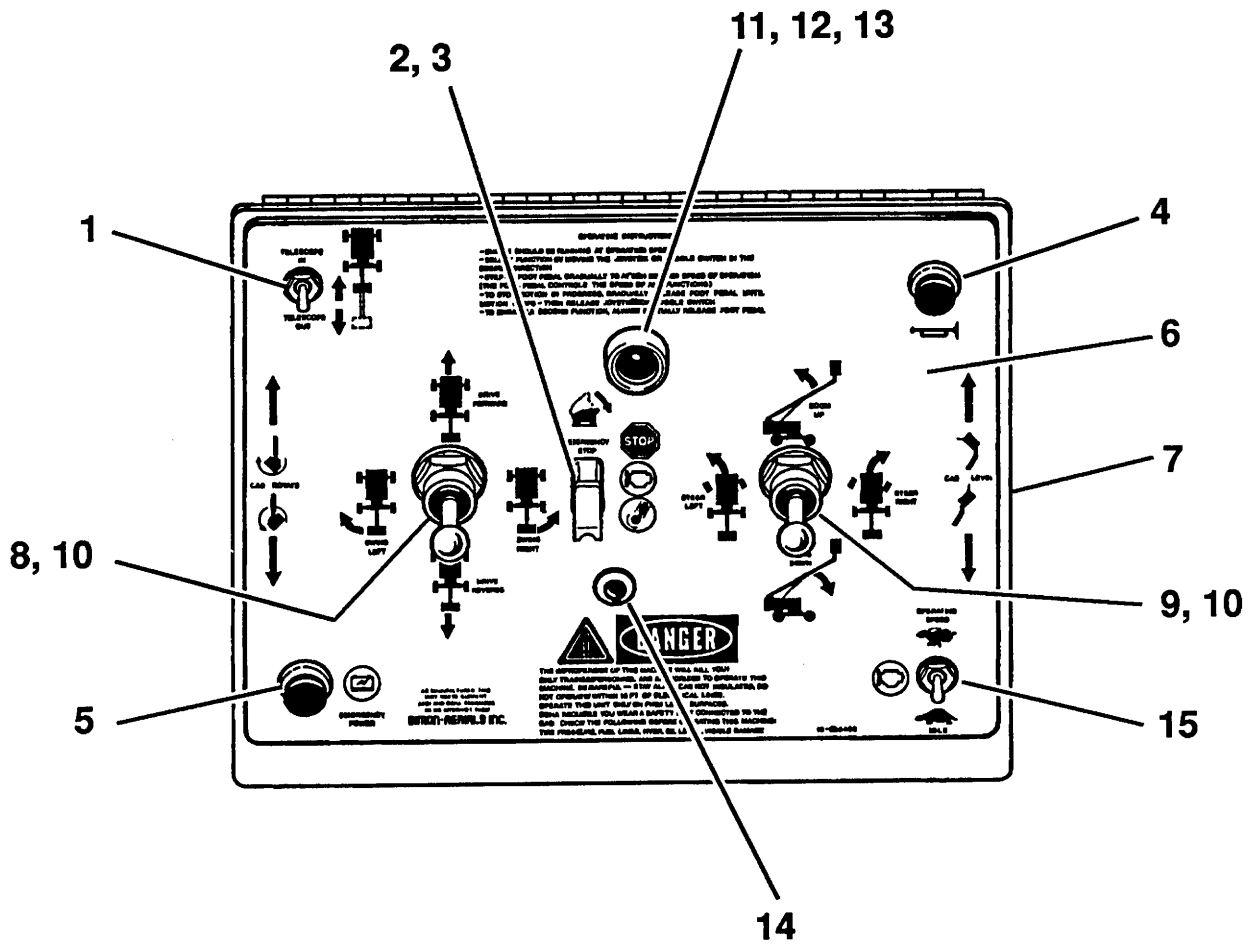
PENDANT ASSEMBLY, REMOTE CONTROL

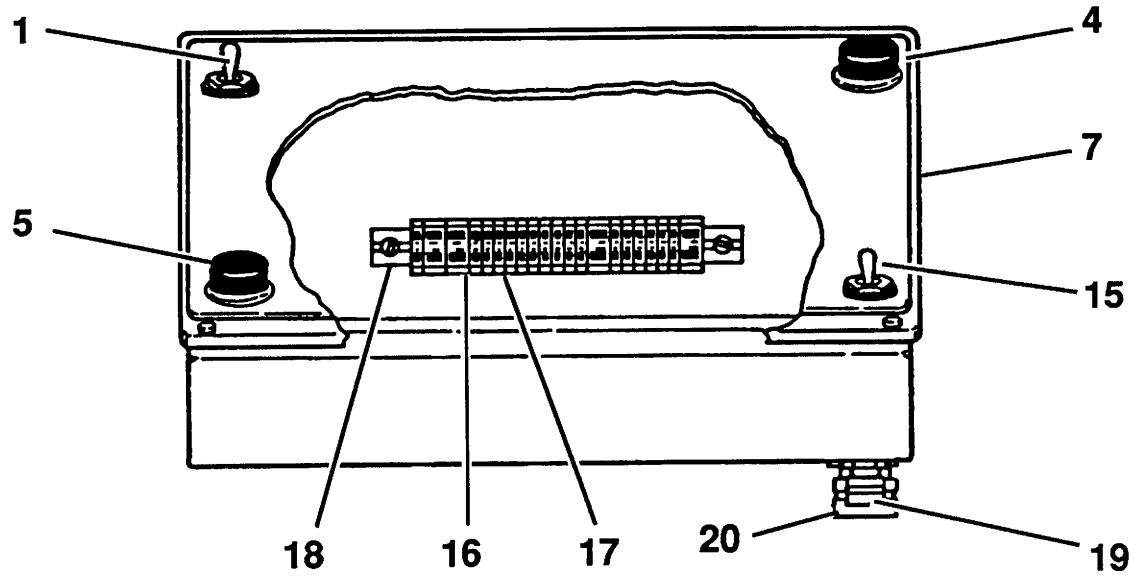
PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
352 9370	A	14 FEB., 1997	C06.	06	01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-020500		SWITCH, TOGGLE (Boom extend)	1
2	03-032600		SWITCH, TOGGLE (Ignition, Engine start)	1
3	03-060800		GUARD, TOGGLE SWITCH (Emergency stop)	1
4	03-020300		BUTTON, PUSH (Horn)	1
5	03-020300		BUTTON, PUSH (Emergency pump)	1
6	10-065400		DECAL, PLATFORM CONTROL (MP model, non-insulated)	1
	10-065500		DECAL, PLATFORM CONTROL (MP model, insulated)	1
	10-065200		DECAL, PLATFORM CONTROL (MPN model, non-insulated)	1
	10-065600		DECAL, PLATFORM CONTROL (MPN model, insulated)	1
7	2062040		ENCLOSURE, PLATFORM CONTROLS (w/ holes drilled)	1
8	03-021800	E01.03	CONTROLLER, JOY STICK (5 position) (Drive/ Swing)	1
9	03-021800	E01.03	CONTROLLER, JOY STICK (5 position) (Lift/ Steer)	1
10	03-025300		BLOCK, CONTACT (normally open)	4
11	03-402500		SWITCH, CHOKE (Double pole, single throw)	1
12	03-402600		BEZEL, CHOKE SWITCH OPERATOR	1
13	03-402800		OPERATOR, CHOKE SWITCH	1
14	03-022900		LIGHT, TROUBLE (option, for Diesel engine)	1
15	03-020400		SWITCH, TOGGLE (Two-speed throttle) (option, w/ Diesel)	1
16	03-036500		BLOCK, TERMINAL (Double pole)	4
17	03-036400		BLOCK, TERMINAL (Single pole)	20
18	03-036600		RAIL, TERMINAL BLOCK MOUNTING	1
19	03-041000		GRIP, CORD (1/2")	1
20	03-063200		GRIP, CORD (3/4")	1

TITLE	PLATFORM CONTROL CONSOLE ASSEMBLY			
PLATE NO.	C08.02	**SIMON AERIALS INC.**	REV. 10/01/90	PART NO. 3508183



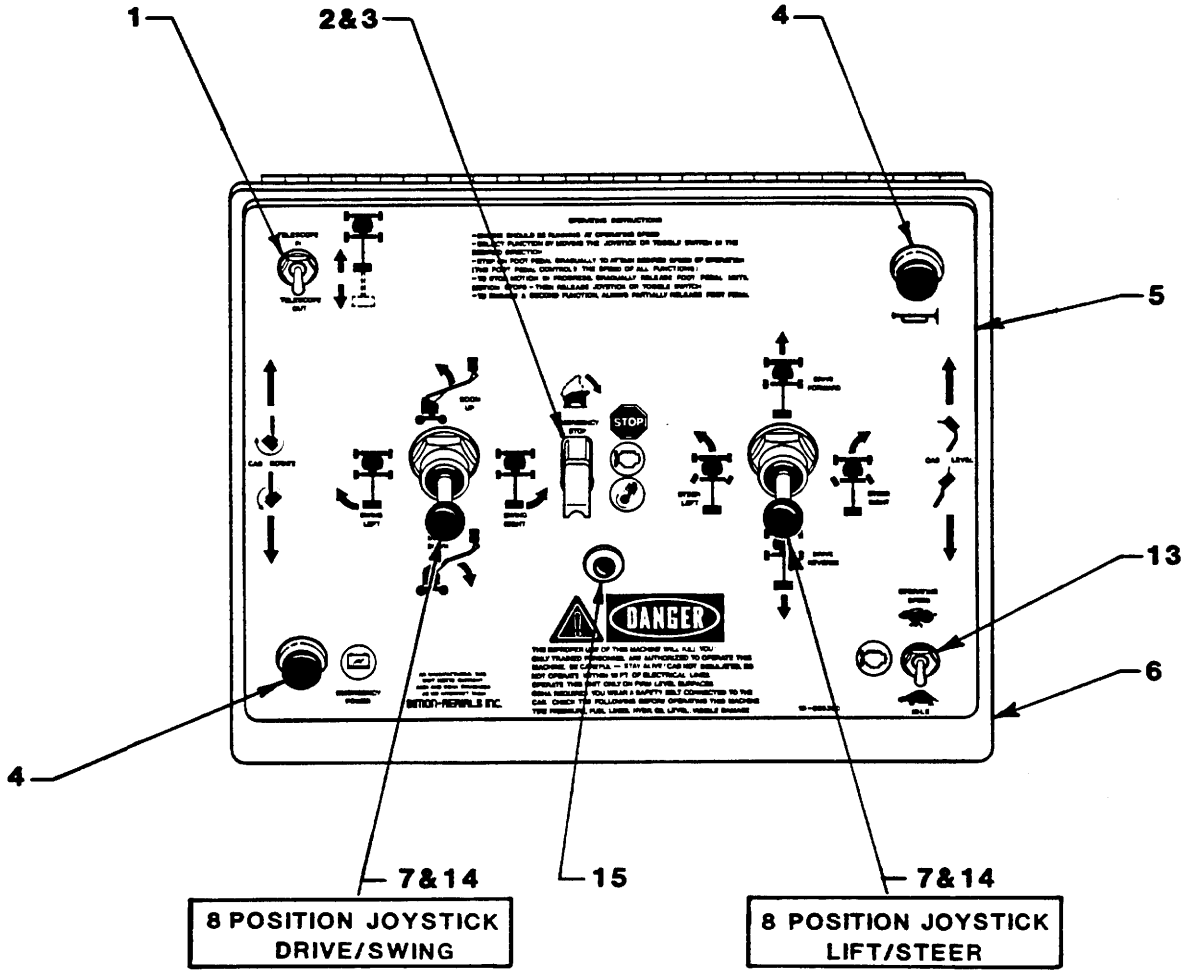


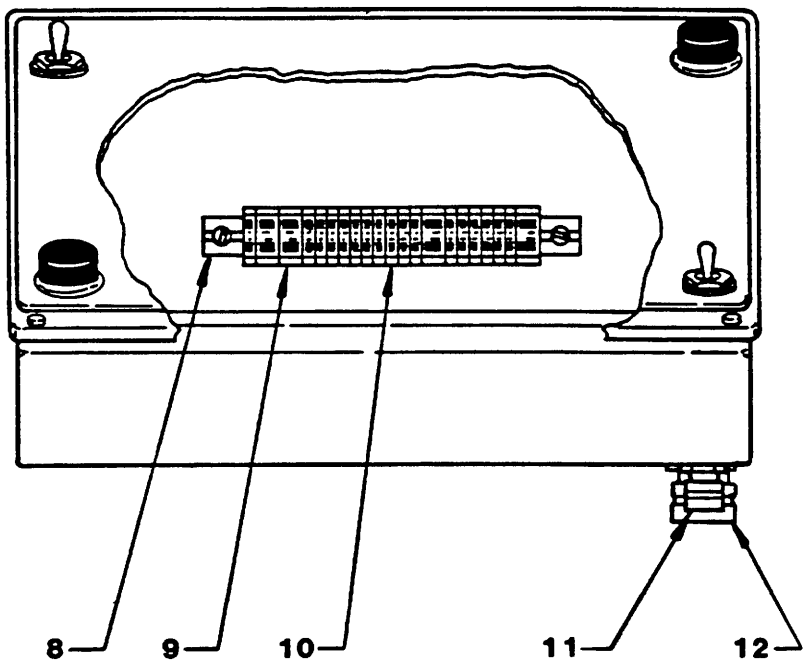
TITLE	PLATFORM CONTROL CONSOLE ASSEMBLY		
SIMON AERIALS INC. REV. 10/01/90	PART NO. 3508183	PLATE NO. C08.02	

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 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	E1.4	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	PART NO.
PLATFORM CONTROL CONSOLE ASSEMBLY	**3510401**



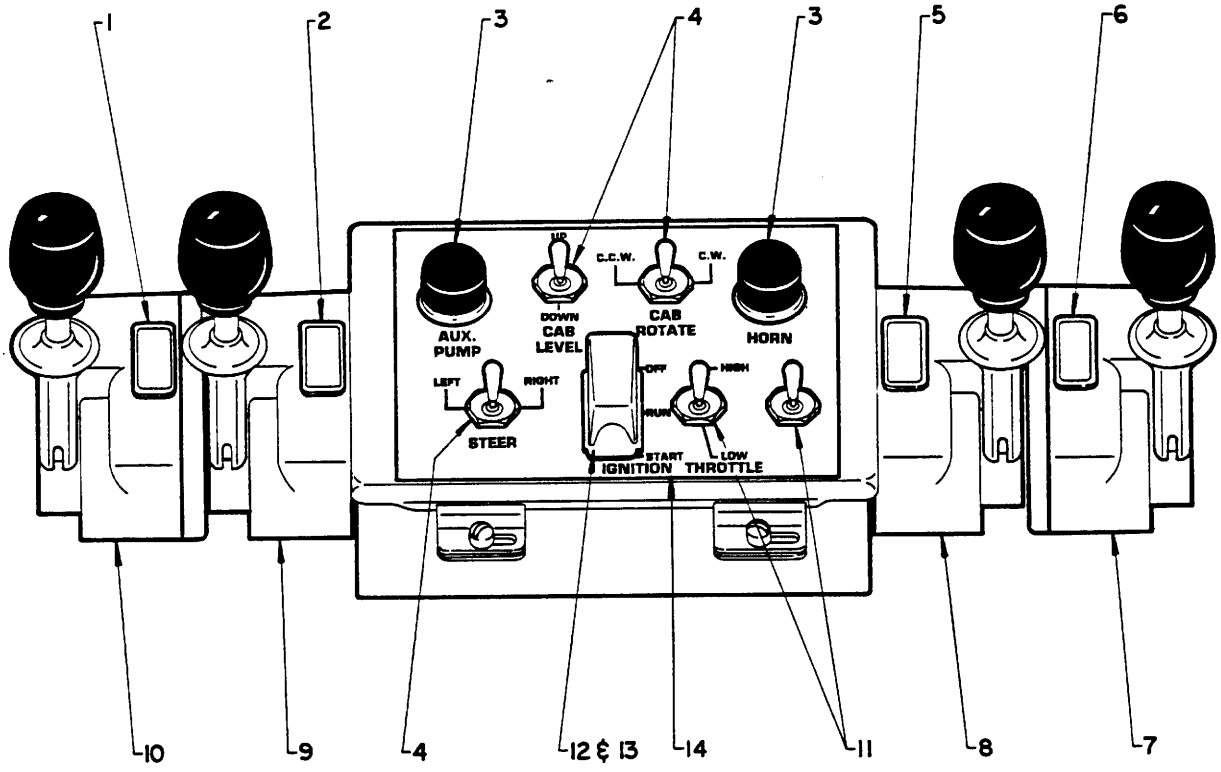


DESCRIPTION	PART NO.
PLATFORM CONTROL CONSOLE ASSEMBLY	3510401

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	PART NO.
CONTROL CONSOLE (PROPORTIONAL)	CAA-208491-2



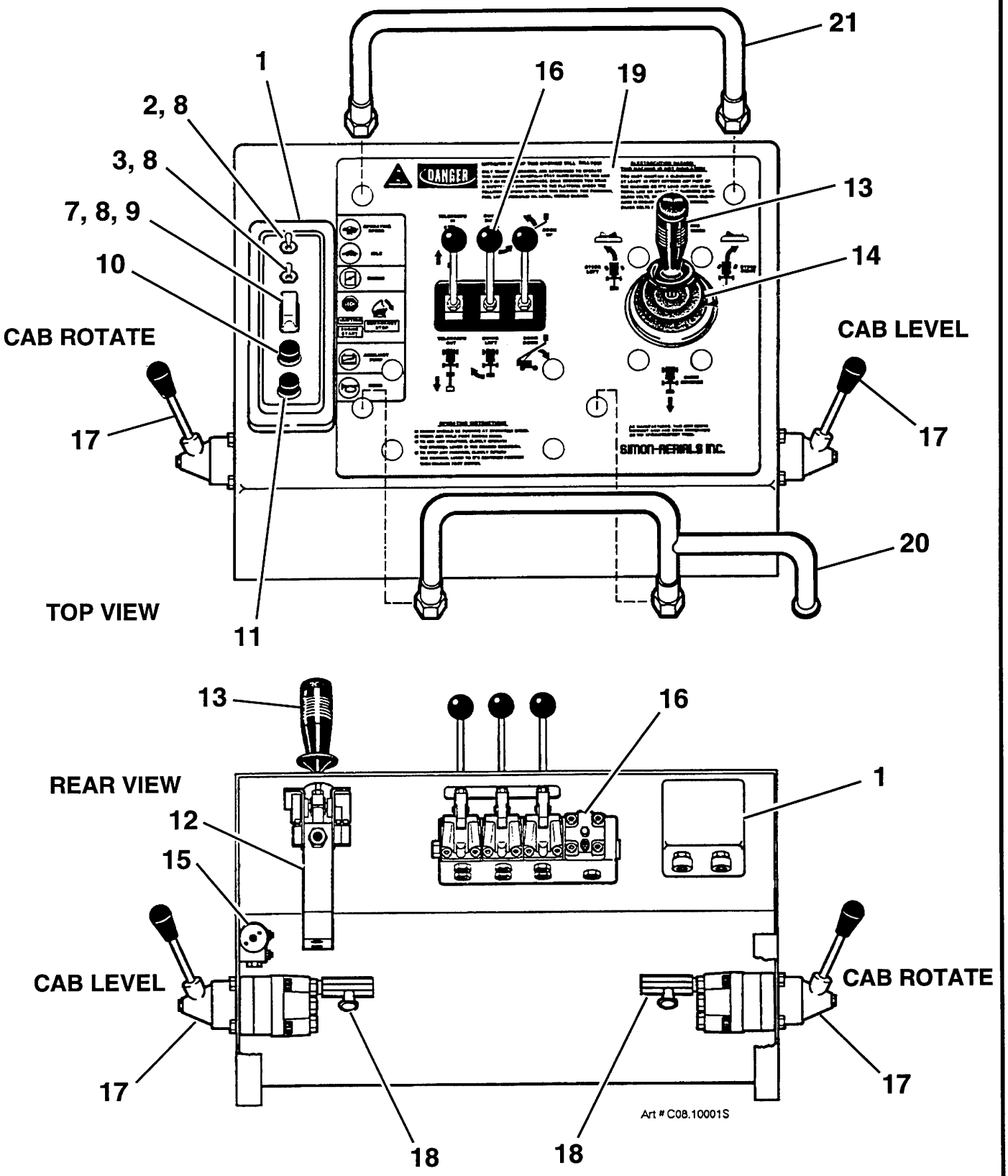
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DESCRIPTION	PART NO.
CONTROL CONSOLE (PROPORTIONAL)	CAA-208491-2

PARTS LIST

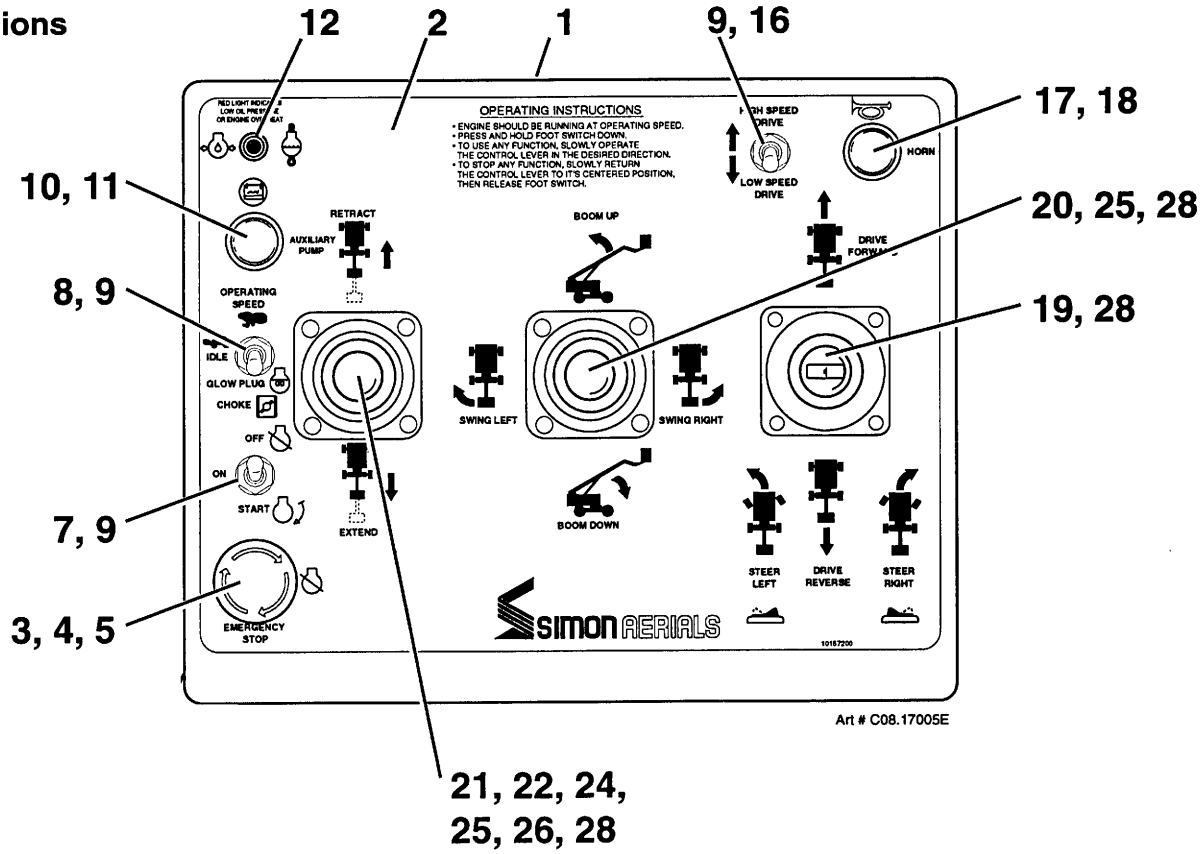
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	211 0650		BOX, PLATFORM ELECTRICAL CONTROL	1
2	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
3	03-020500		SWITCH, TOGGLE (Choke) (3 position, intermittent contact, single pole, double throw)	1
4	03-402500		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			DECAL, CONTROL CONSOLE	1
	10-084800		for MP Series	
	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.



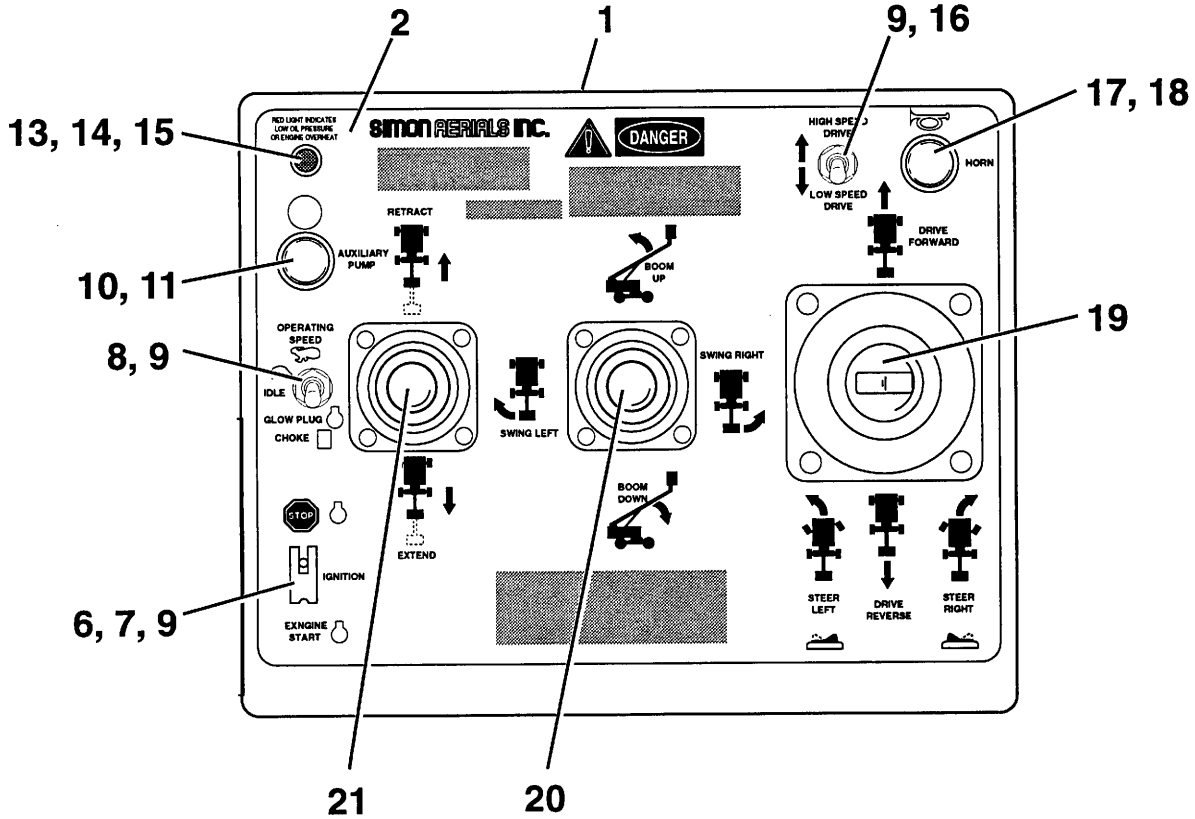
TITLE	CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)		
SIMON AERIALS INC.	REV. 06 JUN., 1995	PART NO.	PLATE NO. C08.10

Later Versions



Art # C08.17005E

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

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CONSOLE, CONTROL	1
	219 6160		Later version, for models with Emergency Stop **button**.	
	210 5560		Earlier version, for models with **red toggle switch cover**.	
2			PLACARD, PLATFORM CONTROL	1
	10-157200		Later version, for models with Emergency Stop **button**.	
	10-123500		Earlier version, for models with **red toggle switch cover** for Emergency Stop.	
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)

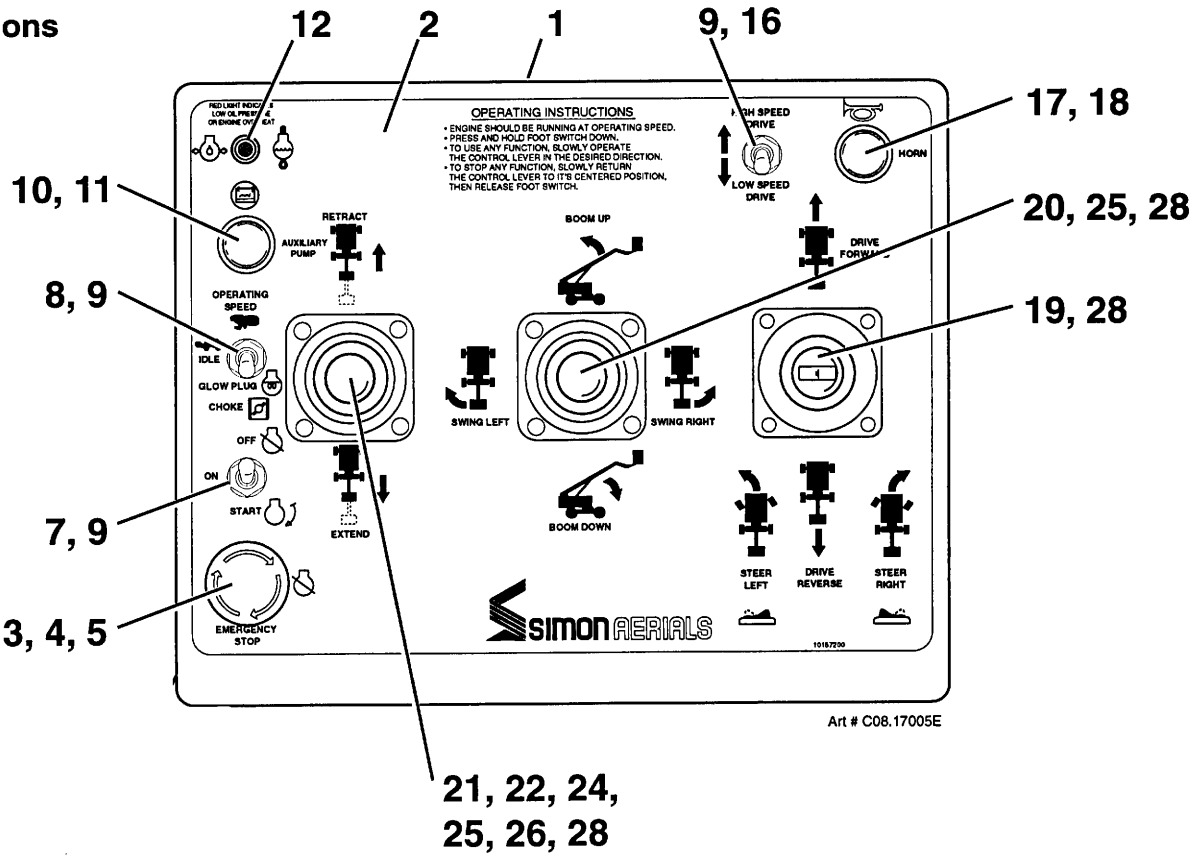
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19		E01.08	CONTROLLER, SINGLE AXIS (with rocker) (Drive/ Steer)	
	03-491200		Later type, identified on nameplate as "MJ **4121-1043**"	1
	03-481900		Earlier type, identified on nameplate as "MS M6941"	1
20		E01.10	CONTROLLER, DUAL AXIS (Boom angle/ swing)	
	03-491100		Later type, identified on nameplate as "MJ **5122**-1020"	1
	03-481800		Earlier type, identified on nameplate as "JS54 M6539"	1
21		E01.09	CONTROLLER, SINGLE AXIS (Boom extend/ retract)	
	03-491000		Later type, identified on nameplate as "MJ **4121**-1020"	1
	03-481700		Earlier type, identified on nameplate as "EMS4 M6351"	1
22	03-493600		CARD, SWITCH (with mounting hardware) (Mounts to Extend/ Retract Controller in this application.)	1
23	03-702100		RAMP KIT, DRIVE	1
24	03-494800		RAMP CARD (Mounts to Extend/ Retract Controller)	1
25	03-494900		DRIVE BOARD (Mount to Extend/ Retract and Swing Controllers in this application.)	2
26	03-495300		CABLE, JUMPER (Mounts to Extend/ Retract Controller)	1
27	03-702200		MOUNTING HARDWARE, DRIVE RAMP KIT	1
28	03-499500		COVER KIT, CONTROLLER (includes one underside boot and clamp)	3

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

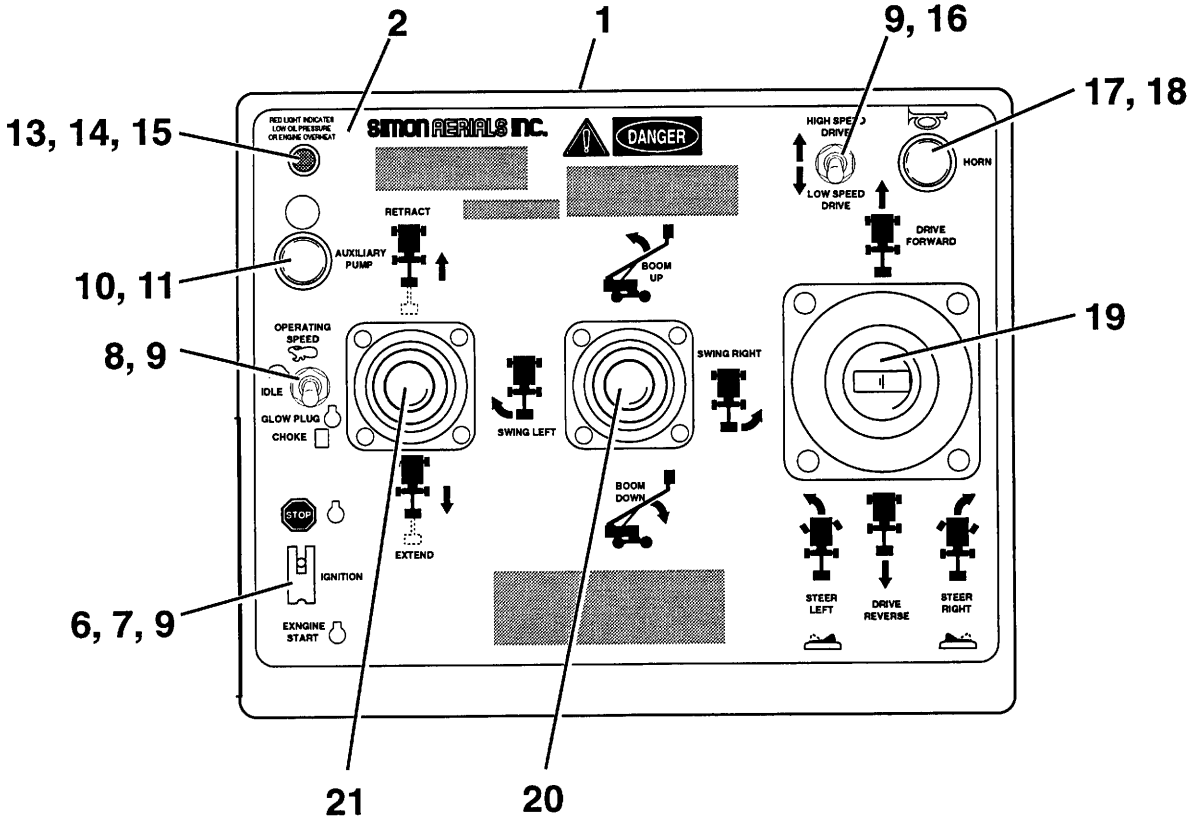
PLATE NO.			PART NO.
C08.17	**SIMON AERIALS INC.**	NEW 02 DEC., 1994	

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

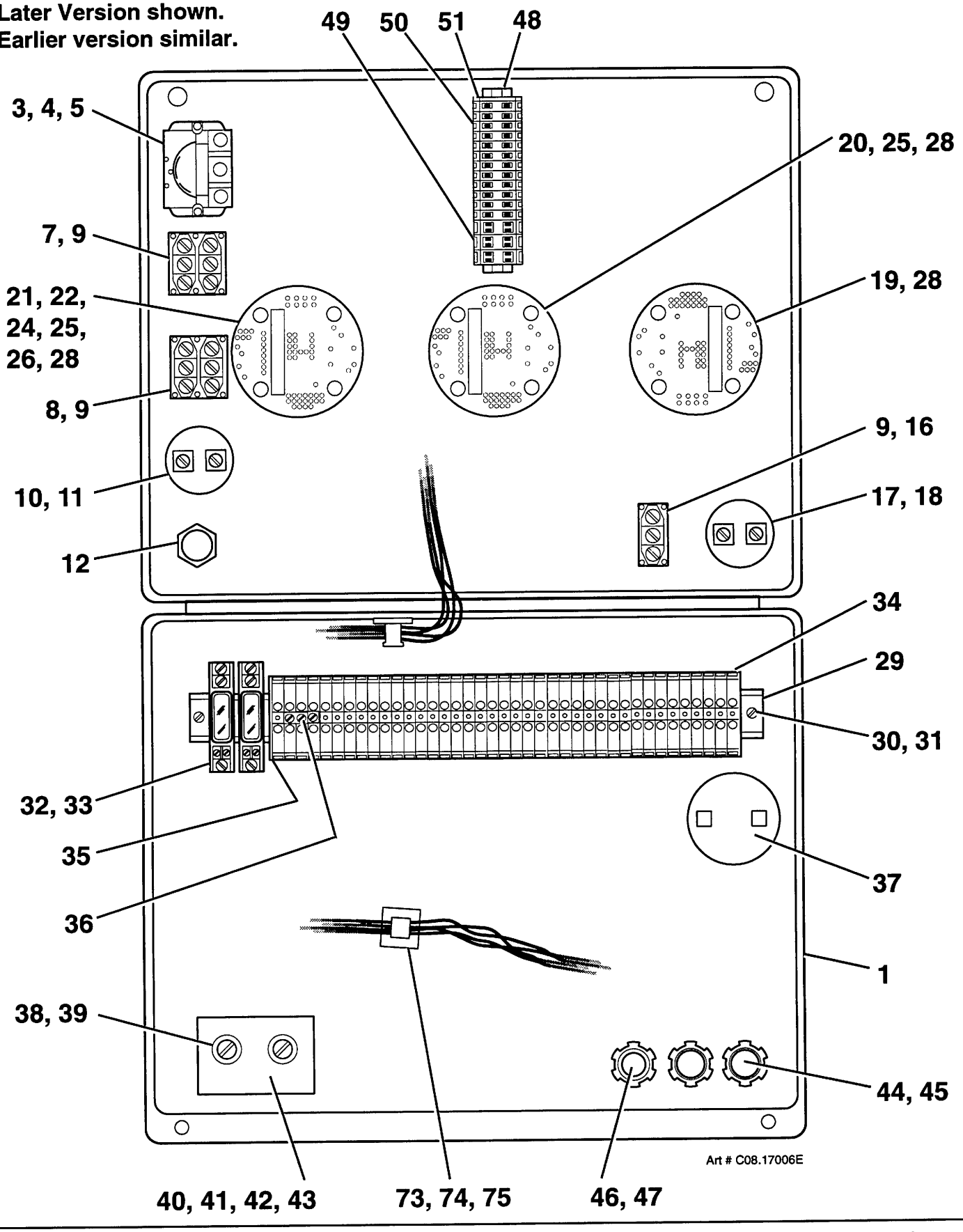
PARTS LIST

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		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	39
	03-039100		BLOCK, TERMINAL (Grounding, for #12 Gauge wire) (on some earlier versions)	2
35	03-066100		PLATE, TERMINAL BLOCK END	1
36	03-066300		BAR, JUMPER (2 pole) (Double line jumper)	A.R.
	03-067500		BAR, JUMPER (3 pole) (Triple line jumper)	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.	SIMON AERIALS INC.	PART NO.
C08.17	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

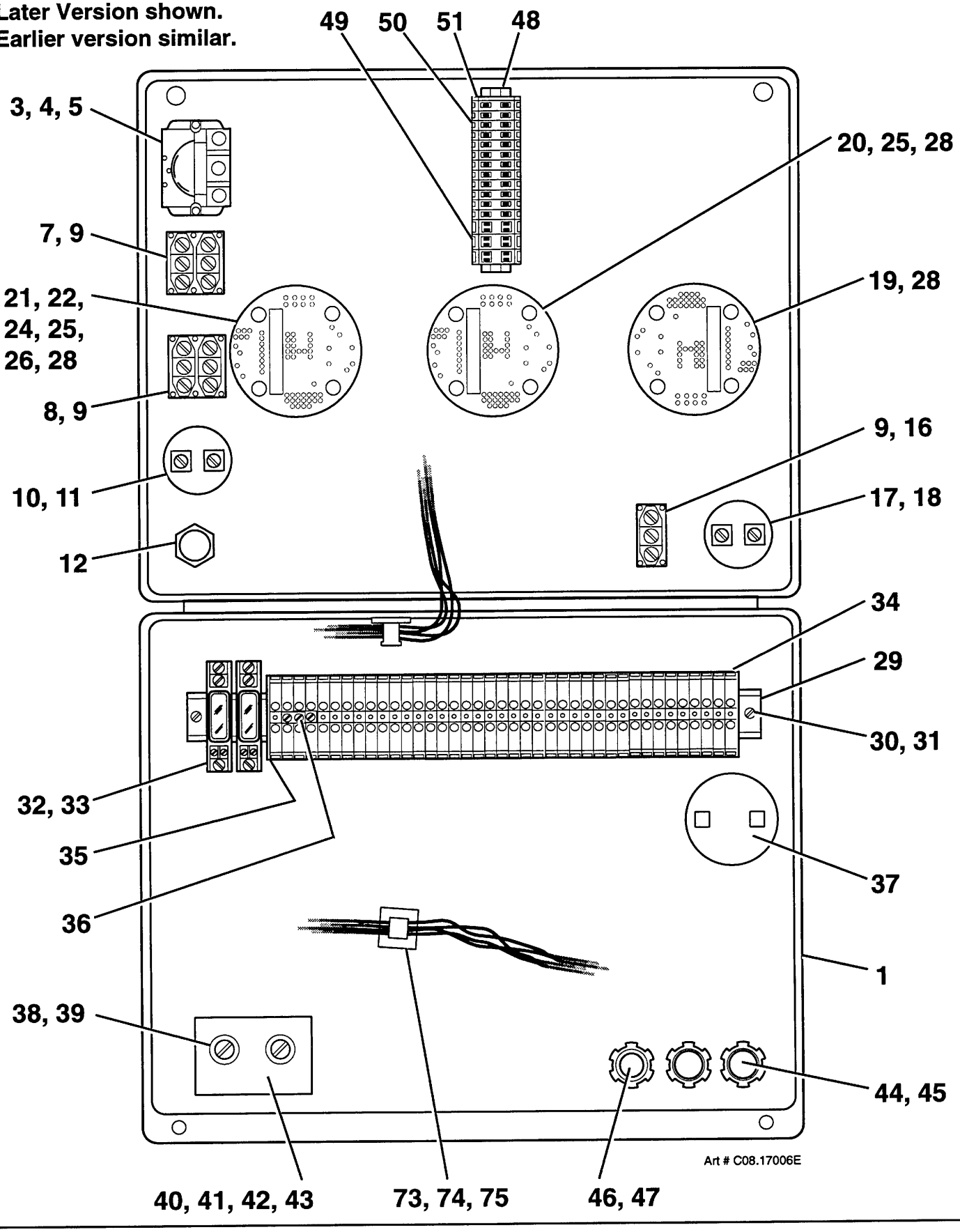
PARTS LIST

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.** NEW 02 DEC., 1994 | PART NO.

Later Version shown.
Earlier version similar.



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

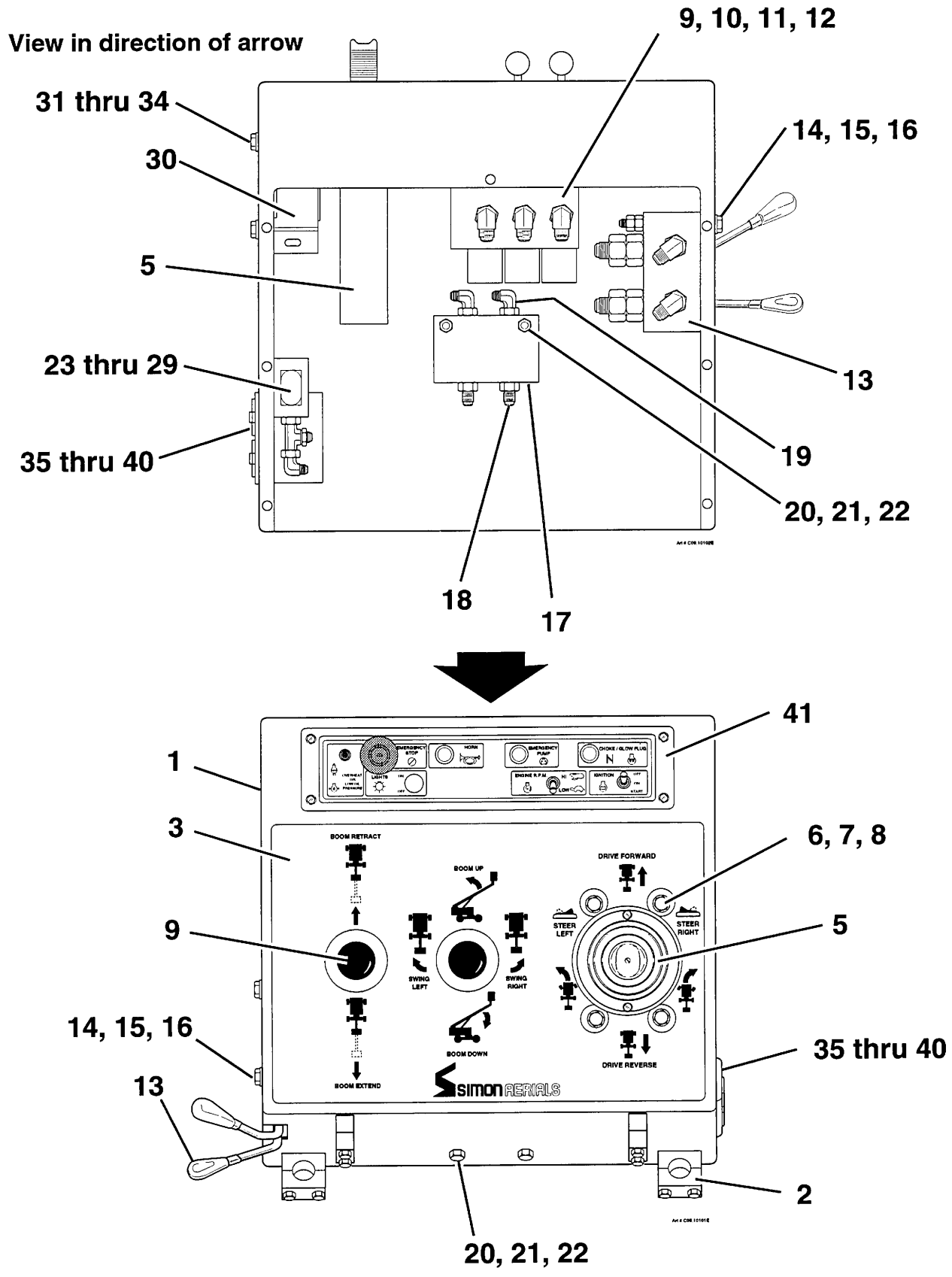
SIMON AERIALS INC. NEW 02 DEC., 1994	PART NO.	PLATE NO. C08.17

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	219 5570		CONSOLE WELDMENT, PLATFORM	1
2	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
3			PLACARD, PLATFORM CONTROL	1
	10-145000		Standard (Lexan, as shown)	
	10-241100		Optional (Stencil-cut aluminum)	
4	10-241400		SPACER (needed with aluminum control placard)	6
5	See Plate . .	D18.02	VALVE, DRIVE CONTROL	1
6	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	4
7	07-062015		WASHER, FLAT (5/16")	8
8	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
9	See Plate . .	C02.101	VALVE BANK, PLATFORM CONTROL	1
10	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
11	07-062015		WASHER, FLAT (5/16")	4
12	07-065015		WASHER, HELICAL LOCK (5/16")	4
13	See Plate . .	D14.04	VALVE, PLATFORM LEVEL AND ROTATE	1
14	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
15	07-062014		WASHER, FLAT (1/4")	4
16	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
17	01-001900		VALVE, CHECK (Pilot operated)	1
18	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
19	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
20	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
21	07-062016		WASHER, FLAT (3/8")	4
22	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
23	01-034400		VALVE, 2 WAY (includes coil)	1
24	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	1
25	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
26	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
27	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2
28	07-062014		WASHER, FLAT (1/4")	4
29	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
30	03-501800		ALARM, TILT (Dual tone)	
	03-464600		ALARM, TILT (Prior to 1/1/94. **Obsolete**, use 03-501800)	1
31	234 6890		BRACKET, ALARM	1
32	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	2
33	07-062014		WASHER, FLAT (1/4")	2
34	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
35	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
36	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
37	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
38	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4", Grade 5)	4
39	07-062007		WASHER, FLAT (#6)	4
40	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1

TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 1 OF 3)

PLATE NO.			PART NO.
C08.21	**SIMON AERIALS INC.**	REV. 07 SEP., 1995	353 7020



TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 1 OF 3)

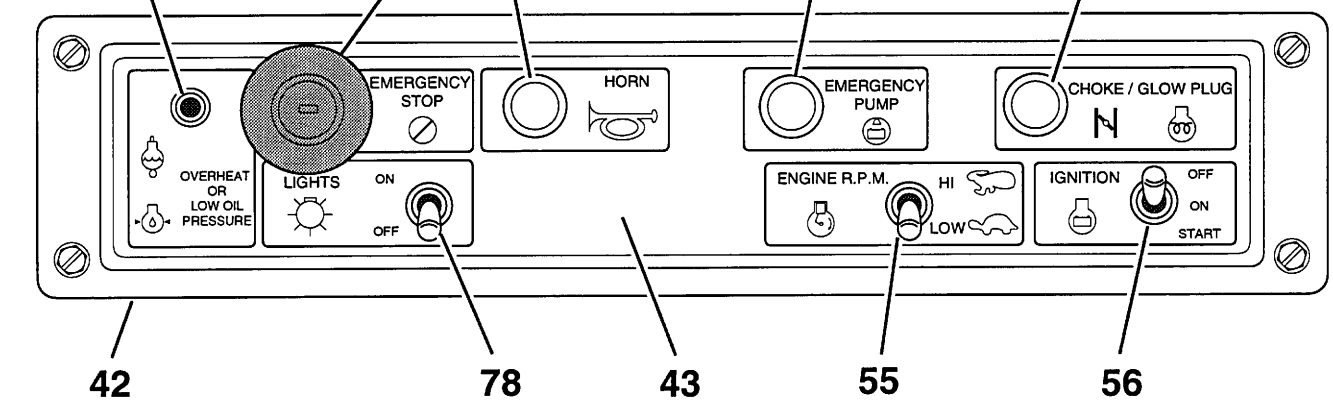
SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO. 353 7020	PLATE NO. C08.21

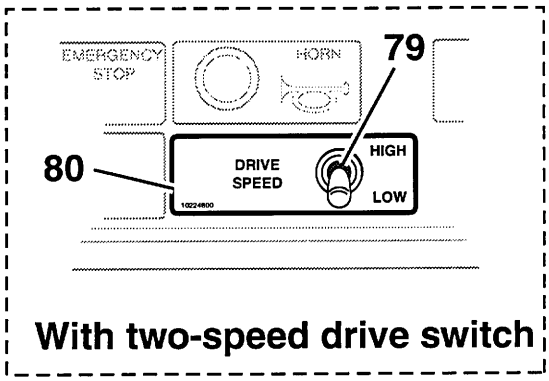
PARTS LIST

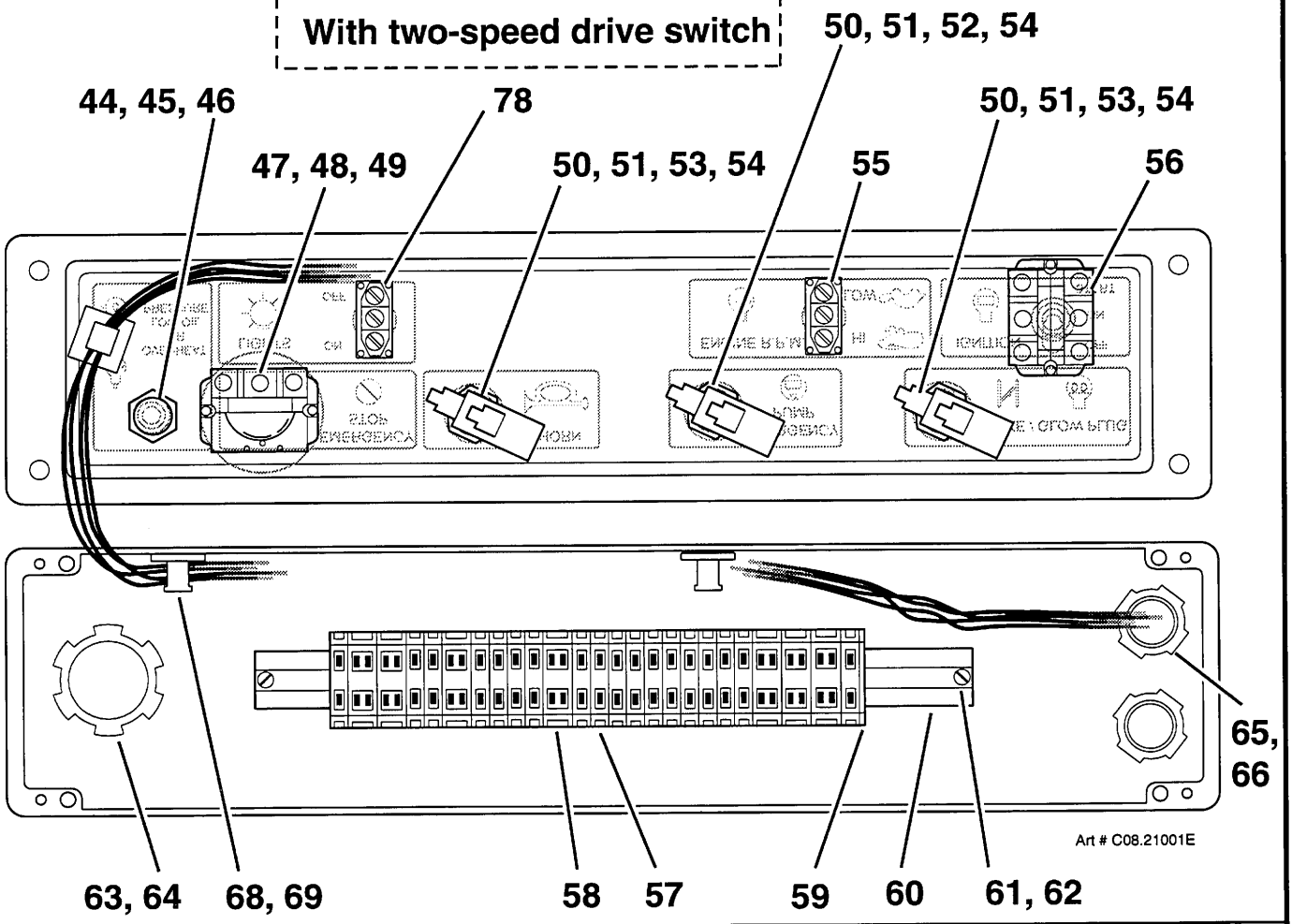
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
41			BOX ASSEMBLY, PLATFORM ELECTRICAL	1
	352 9460		Type 1 (Emergency Stop area is **red with white lettering**)	
	353 7250		Type 2 (Emergency Stop area is **yellow with red lettering**)	
42			BOX, ELECTRICAL (Drilled. Includes cover and screws)	1
	219 9360		for use with decal having **red** background at Emergency Stop button (**Type 1**)	1
	232 3810		for use with decal having **yellow** background at Emergency Stop button (**Type 2**)	1
43			DECAL, PLATFORM ELECTRICAL BOX	1
	10-145900		**Type 1.** Area surrounding Emergency Stop button is **red with white lettering**	1
	10-222300		**Type 2.** Area surrounding Emergency Stop button is **yellow with red lettering**	1
44			DIODE, BLINKING (Red L.E.D.) (Engine warning)	1
	03-481200		for use with decal having **red** background at Emergency Stop button (**Type 1**)	1
	03-706400		for use with decal having **yellow** background at Emergency Stop button (**Type 2**)	1
45	03-481300		HOLDER, DIODE (used only with "**Type 1**" diode)	1
46	03-481100		RESISTOR (470 Ohm) (used only with "**Type 1**" diode)	1
47	03-496000		BUTTON, EMERGENCY STOP (Earlier style) (Red and silver, "pull to release" type)	1
	03-702000		BUTTON, EMERGENCY STOP (Later style) (Red, "pull to release" type)	1
48	03-454900		BASE, CONTACT BLOCK	1
49			BLOCK, CONTACT (Normally closed)	1
	03-496300		Used with Button 10-496000 (Red and silver)	
	03-437300		Used with Button 10-702000 (Red)	
50	03-402500		SWITCH (10 Amp, 250 Volt AC)	3
51	03-402600		SEAL, SWITCH BEZEL	3
52	03-402700		BUTTON, SWITCH (Red) (Emergency Pump)	1
53	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	2
54	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	3
55	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
56	03-032600		SWITCH, TOGGLE (Engine start) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1

TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 2 OF 3)

PLATE NO. C08.21 | **SIMON AERIALS INC.** REV. 07 SEP., 1995 | PART NO. 353 7020







TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 2 OF 3)

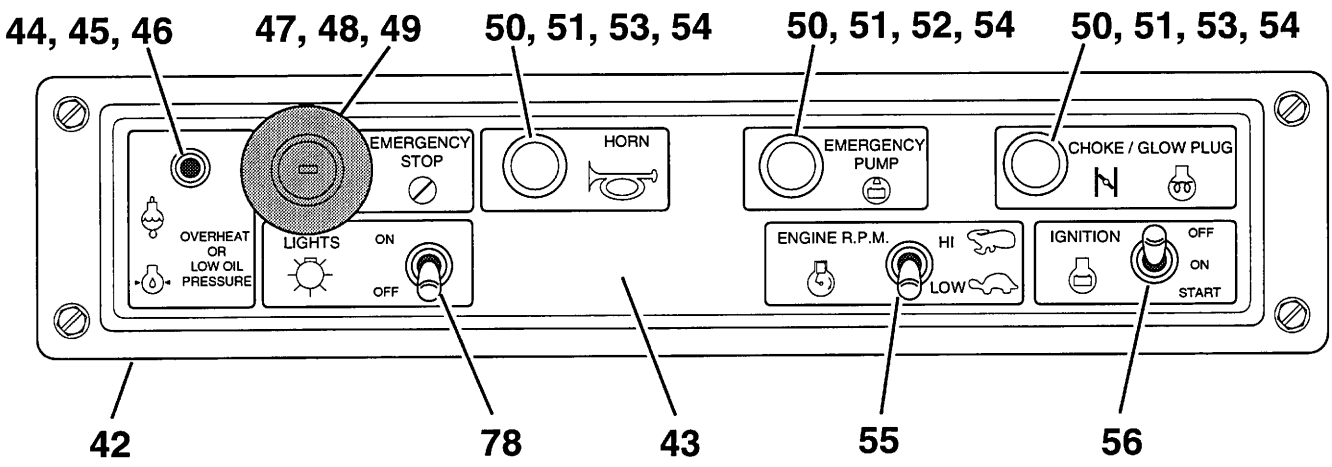
SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO. 353 7020	PLATE NO. C08.21

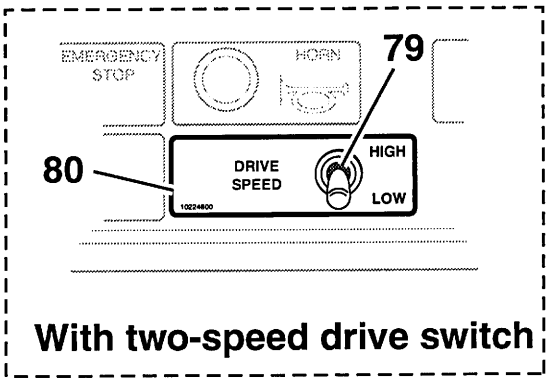
PARTS LIST

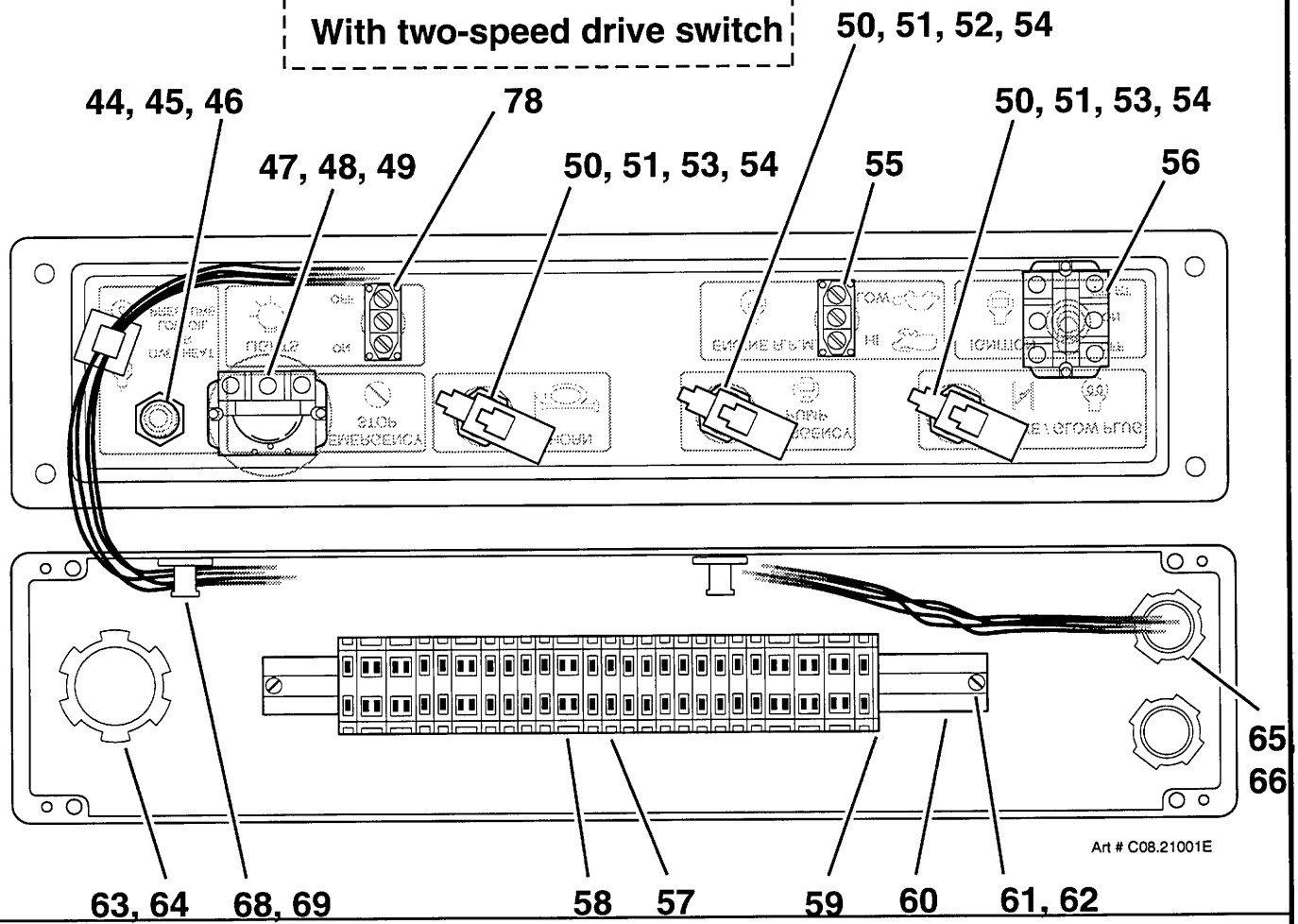
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			BOX ASSEMBLY, PLATFORM ELECTRICAL (continued)	
57	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19
58	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8
59	03-036700		PLATE, TERMINAL BLOCK END	1
60	03-036600		RAIL, TERMINAL (1 M [39.37"] long section) (9" [229 mm] long piece needed for this application)	1
61	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
62	07-050007		NUT, STOP (#6-32, Grade 5)	2
63	03-063200		GRIP, CORD (3/4", sealing)	1
64	03-055600		NUT, CONDUIT LOCK (3/4")	1
65	03-045500		GRIP, CORD (1/2")	2
66	03-055500		NUT, CONDUIT LOCK (1/2")	2
67	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	2
68	03-064000		TIE, CABLE (6-3/4" [171 mm] long)	20
69	03-064100		MOUNT, CABLE TIE (Adhesive backed)	5
70	03-091200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	9
71	03-092200		COUPLING, MALE (insulated, #14-#16 AWG)	4
72	03-092300		COUPLING, FEMALE (insulated, #14-#16 AWG)	10
73	03-099000		TERMINAL, BUTT (Blue, #14-#16 AWG)	1
74	03-497900		PLUG, PLASTIC (1/2" dia., "Panel seal", to fill unused toggle switch holes)	A.R.
75	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	2
76	07-050111		NUT, STOP (#10-32, Grade 5)	2
77	07-029365		SCREW, TEK (#12-14 x 1", bonded, sealing head)	2
78	03-020400		SWITCH, TOGGLE (for optional lights) (2 position, maintained contact, single pole, single throw)	1
79	03-020400		SWITCH, TOGGLE (Drive speed) (Option) (2 position, maintained contact, single pole, single throw)	1
80	10-224800		DECAL, "DRIVE SPEED . . ." (for models with optional two-speed drive)	1

TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 3 OF 3)

PLATE NO.			PART NO.
C08.21	**SIMON AERIALS INC.**	REV. 07 SEP., 1995	353 7020







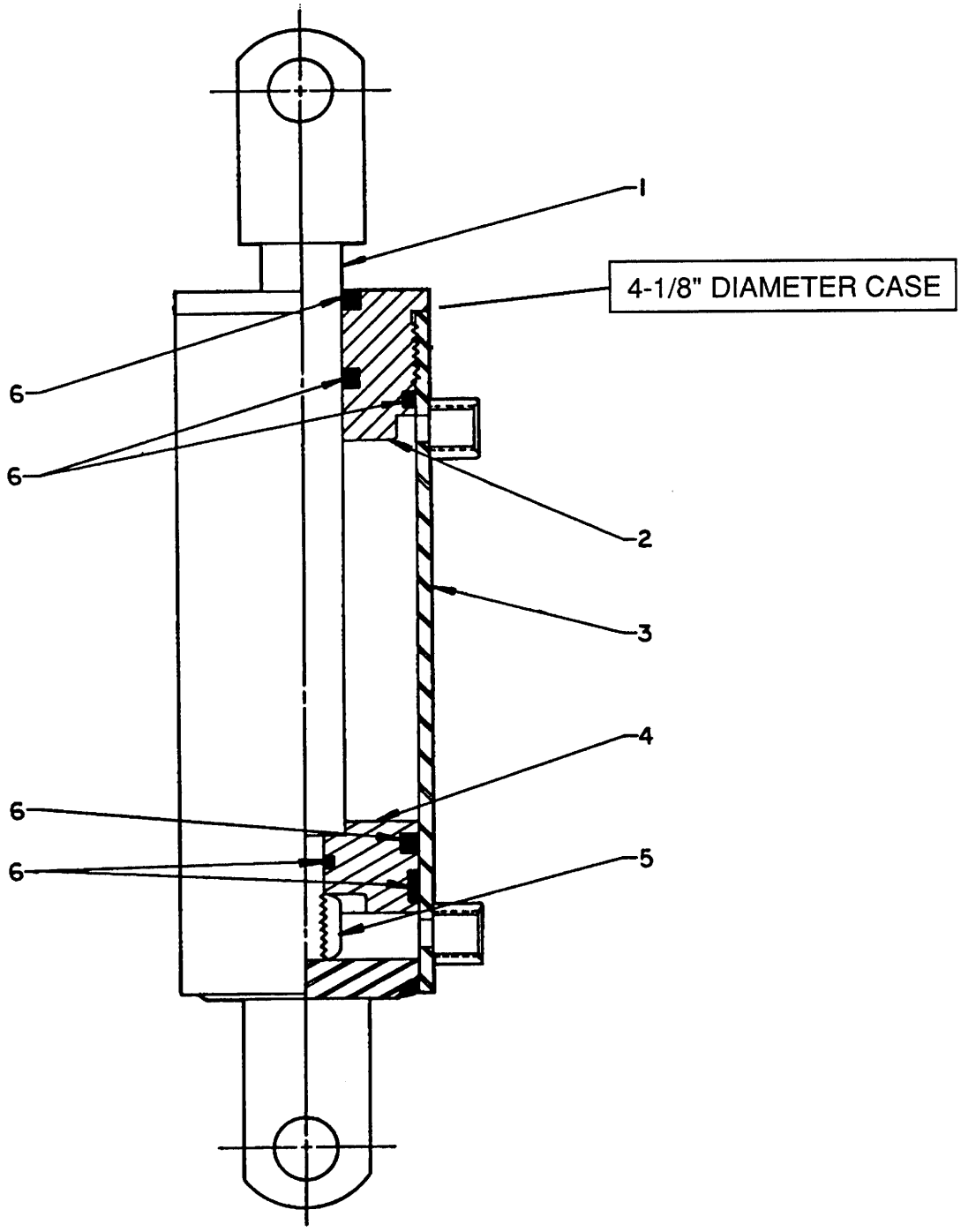
TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 3 OF 3)

SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO. 353 7020	PLATE NO. C08.21

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-008902		ROD ASSEMBLY, PISTON (includes clevis)	1
2	04-008903		GUIDE, PISTON ROD (Head gland)	1
3			BODY, CYLINDER (Case)	1
4	04-008904		PISTON	1
5			NUT, LOCK	1
6	04-008901		SEAL KIT	1

TITLE	STEER CYLINDER		
PLATE NO. D01.01	**SIMON AERIALS INC.**	REV. 10/01/90	PART NO. 04-008900

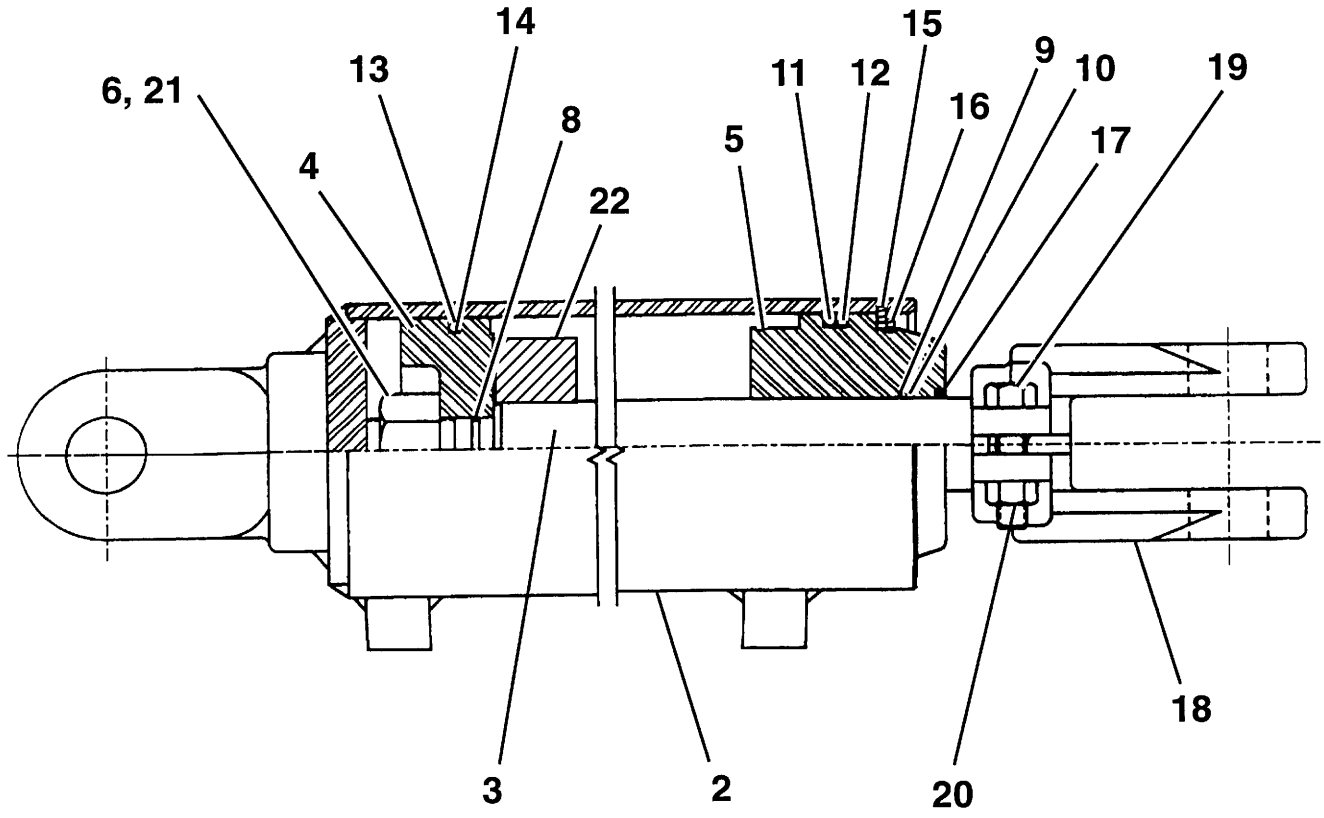


TITLE	STEER CYLINDER		
SIMON AERIALS INC. REV. 08/01/90	PART NO. 04-008900	PLATE NO. D01.01	

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
			Modified cylinder (with spacers installed), for . . .	
	2171750		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			SPACER, BASE (replaces lock nut, item 6)	
	2171720		[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			SPACER, ROD	
	2171740		[.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.** REV. 13 MAY, 1994	PART NO.

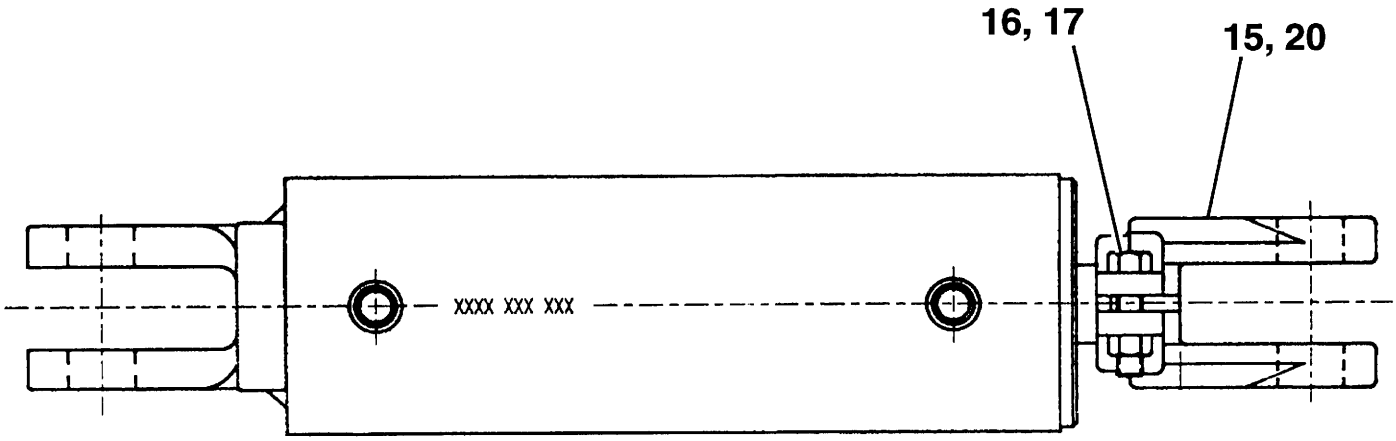


TITLE	STEER CYLINDER		
SIMON AERIALS INC. REV. 13 MAY, 1994		PART NO.	PLATE NO. D01.10

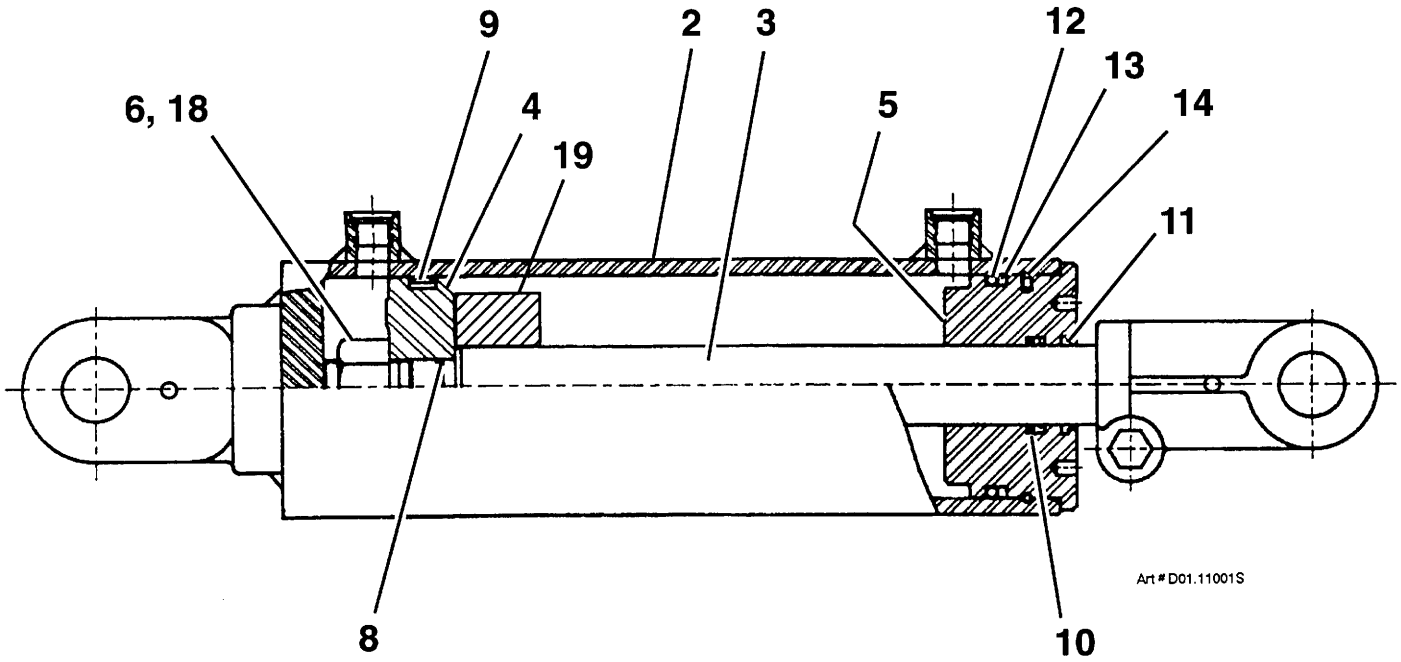
PARTS LIST

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



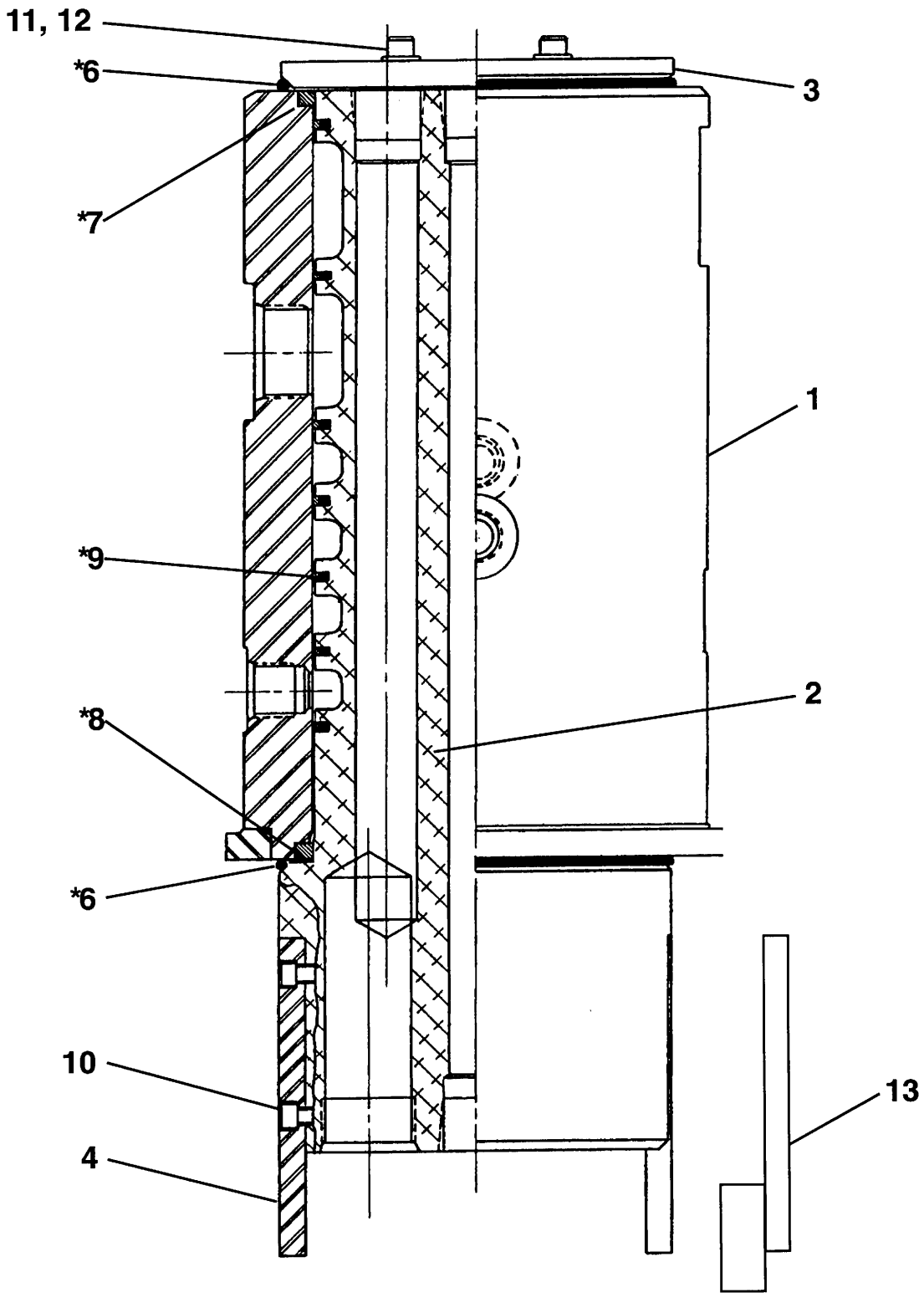
Art # D01.11001S

TITLE	STEER CYLINDER		
SIMON AERIALS INC. REV. 15 JUN., 1994		PART NO. 04-035300	PLATE NO. D01.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING	1
2			SPOOL	1
3			RETAINER PLATE	1
4	04-008703		ARM, TORQUE	2
5	04-008702		SERVICE KIT, HYDRAULIC SWIVEL	1
			Note: Items in service kit identified by asterisk (*).	
6*			"O"-RING	2
7*			RING, WEAR	1
8*			RING, WEAR	1
9*	04-008701		SEAL KIT [consists of (7) "O"-Rings and (7) Slipper seals]	1
10	04-008704		CAP SCREW, SOCKET HEAD	4
11			CAP SCREW, SOCKET HEAD	4
12			WASHER, LOCK	4
			The following item **is not** included with hydraulic swivel	
			04-008700, but replaces Item #4 in some applications:	
13	2101030		STOP, SWIVEL	2

TITLE	HYDRAULIC SWIVEL			
PLATE NO.	D02.01	**SIMON AERIALS INC.**	REV. 17 JUN., 1994	PART NO. 04-008700



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

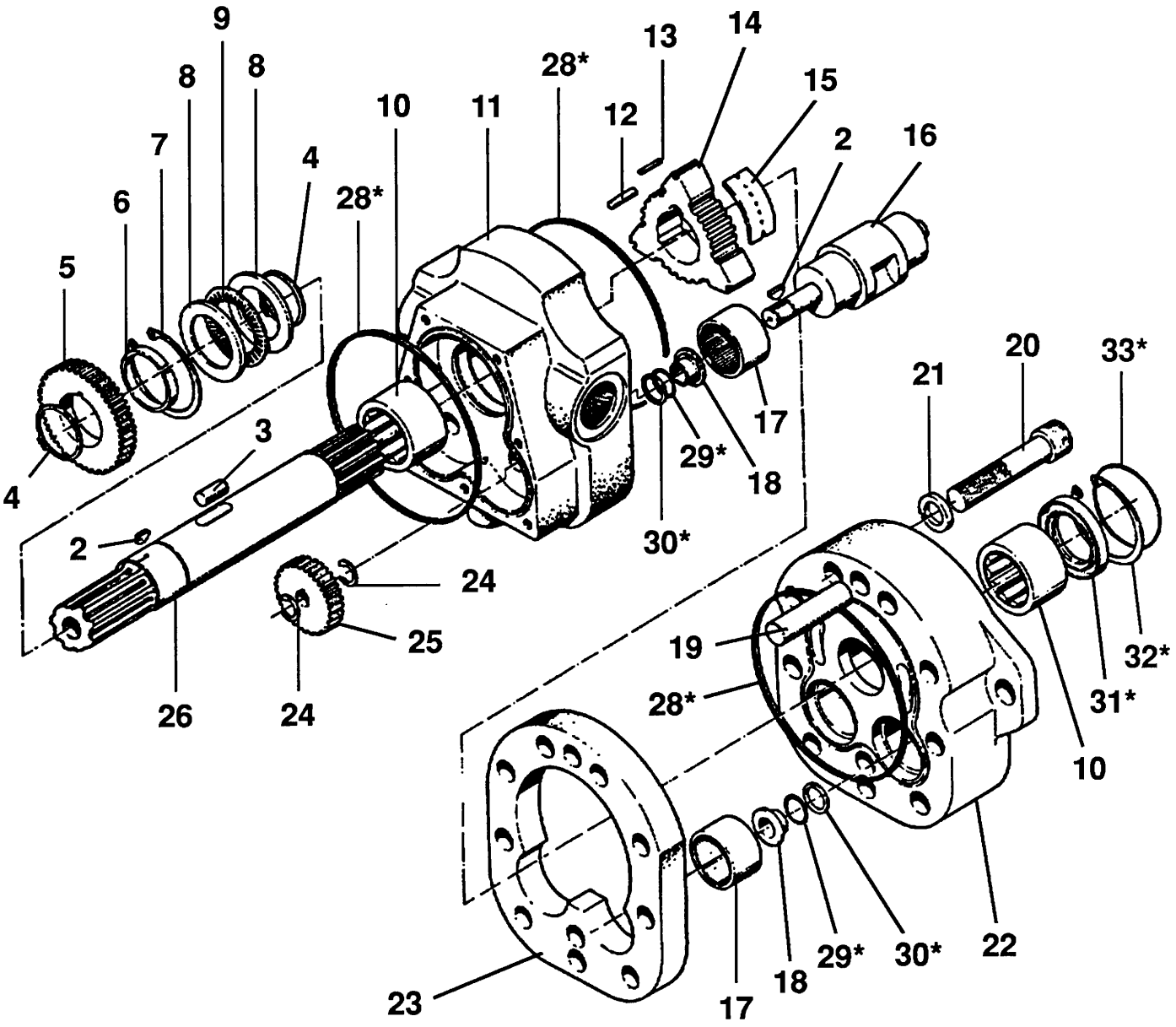
TITLE	HYDRAULIC SWIVEL		
SIMON AERIALS INC. REV. 17 JUN., 1994	PART NO. 04-008700	PLATE NO. D02.01	

PARTS LIST

ITEM	PART NO	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

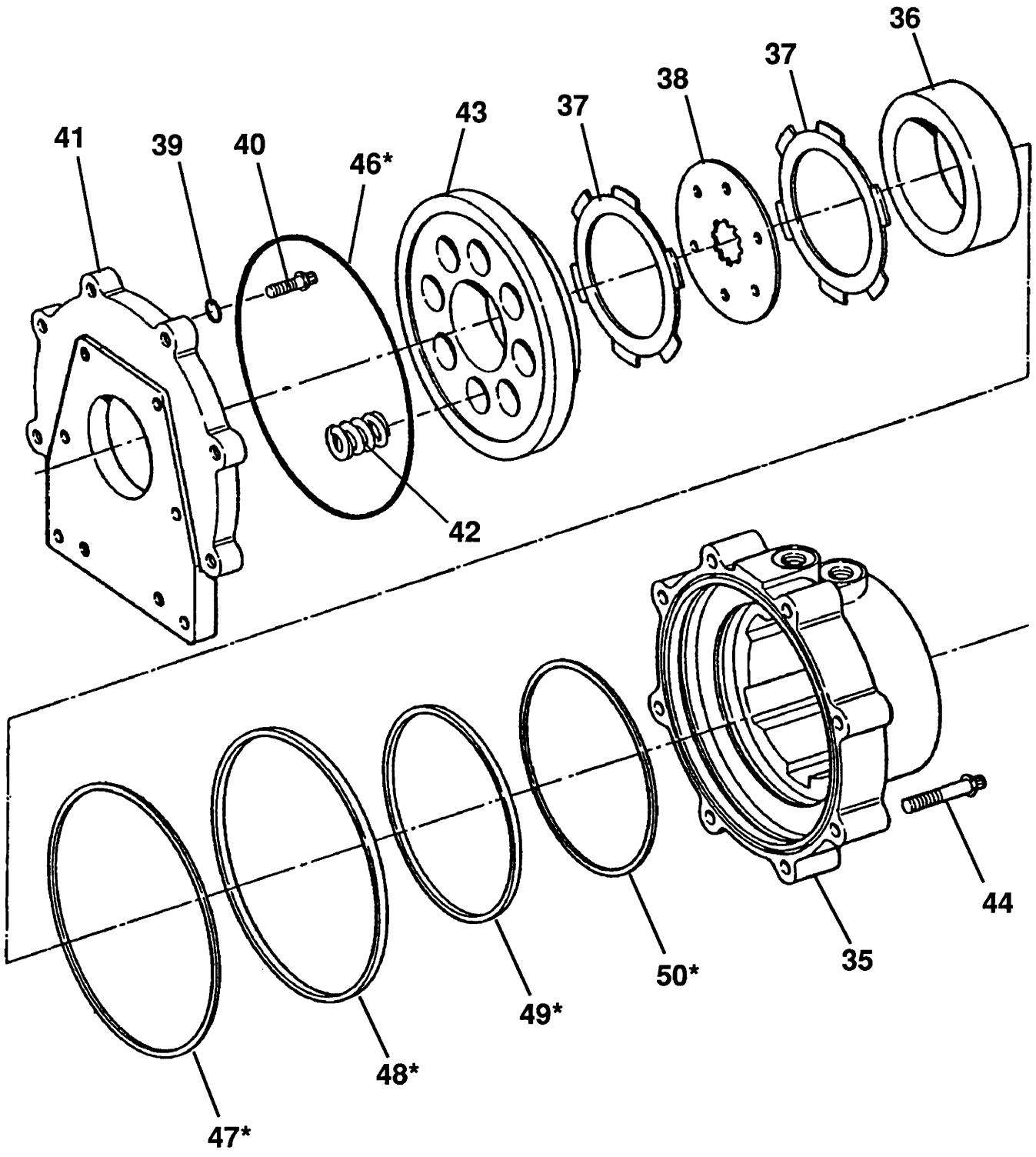


TITLE	WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.^{3}, PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 7/19/91		PART NO. 01-004800	PLATE NO. D03.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	01-004802		BRAKE ASSEMBLY (See plate 1 of 2 for motor)	1
35	01-000434		HOUSING	1
36	01-004801		SPACER	1
37	01-000410		DISC, FRICTION	7
38	01-000411		PLATE, DRIVE	6
39	01-000405		WASHER, BRASS	7
40	07-008003		CAP SCREW, SOCKET HEAD (1/4"-20 x 3/4", Grade 8)	7
41	01-000403		PLATE, ADAPTER	1
42	01-000412		SPRING, DIE	8
43	01-000413		PLATE, PRESSURE	1
44	07-008027		CAP SCREW, SOCKET HEAD (5/16"-18 x 5/8")	8
45	01-000402		SEAL KIT, BRAKE	1
			Note: Items included in seal kit marked by asterisk (*)	
46	01-000404		"O"-RING	1
47	01-000414		RING, BACK UP	1
48	01-000415		RING, QUAD	1
49	01-000418		RING, QUAD	1
50	01-000416		RING, BACK UP	1

TITLE	WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)			
PLATE NO. D03.02	**SIMON AERIALS INC.**	REV. 7/19/91	PART NO. 01-004800	

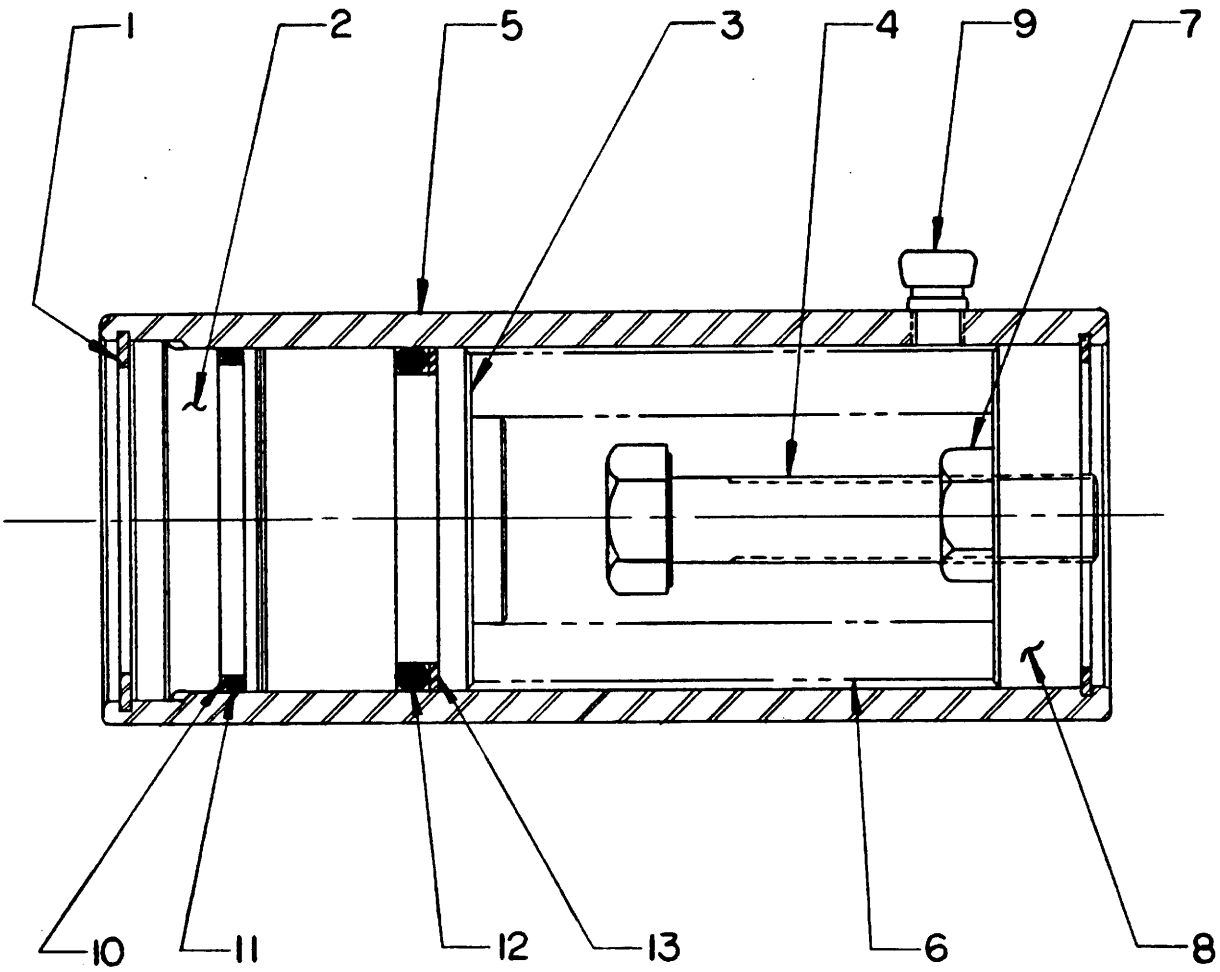


TITLE	WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)		
SIMON AERIALS INC. REV. 7/19/91	PART NO. 01-004800	PLATE NO. D03.02	

PARTS LIST

ITEM	PART NO.	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



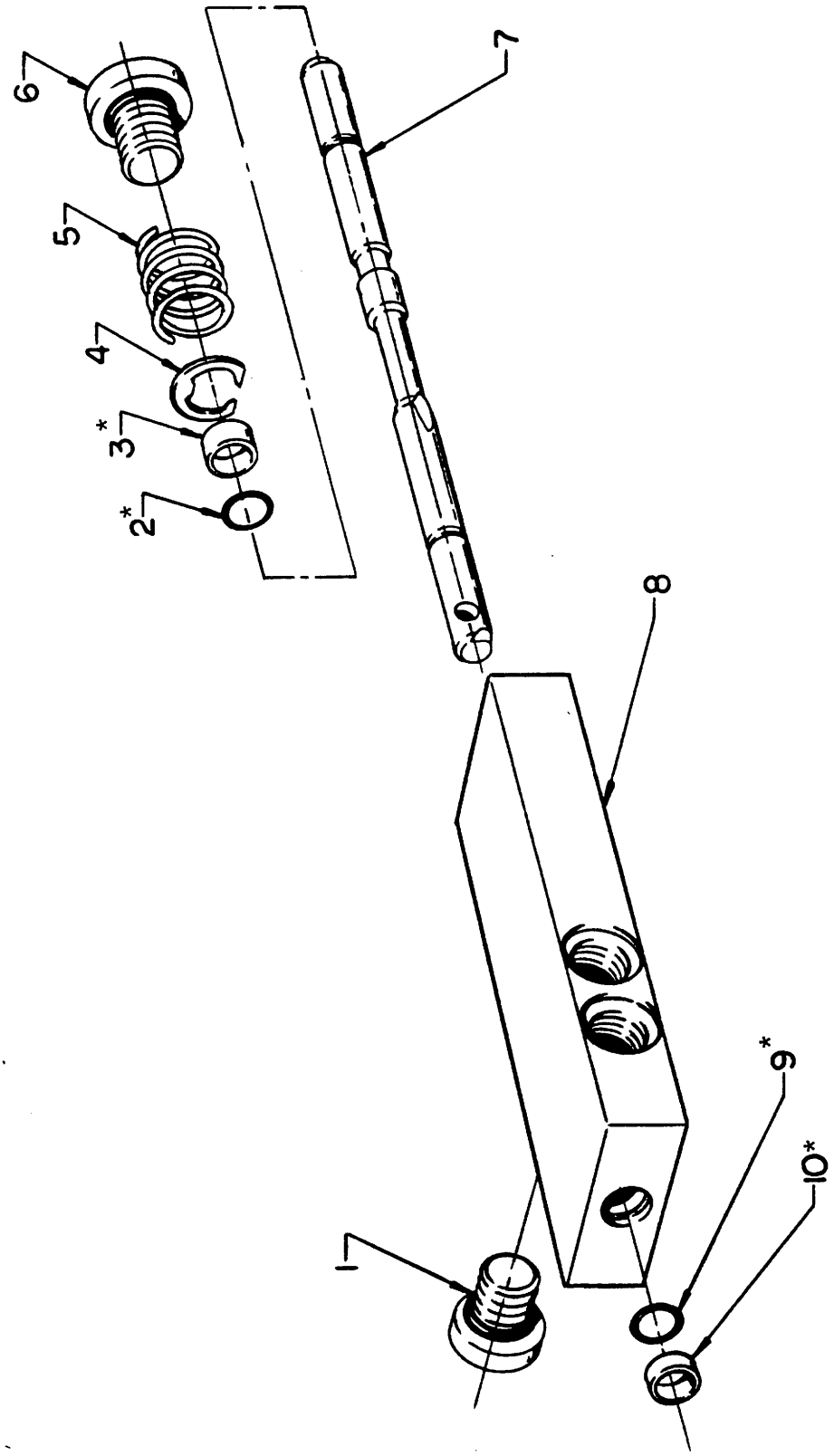
1183/0677

DESCRIPTION	PART NO.
ACCUMULATOR	01-001500

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			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
*	01-000901		SEAL KIT	1

DESCRIPTION	PART NO.
HPC VALVE	01-004700



NOTE:
*SEAL KIT P/N 01-000901

0484/0383

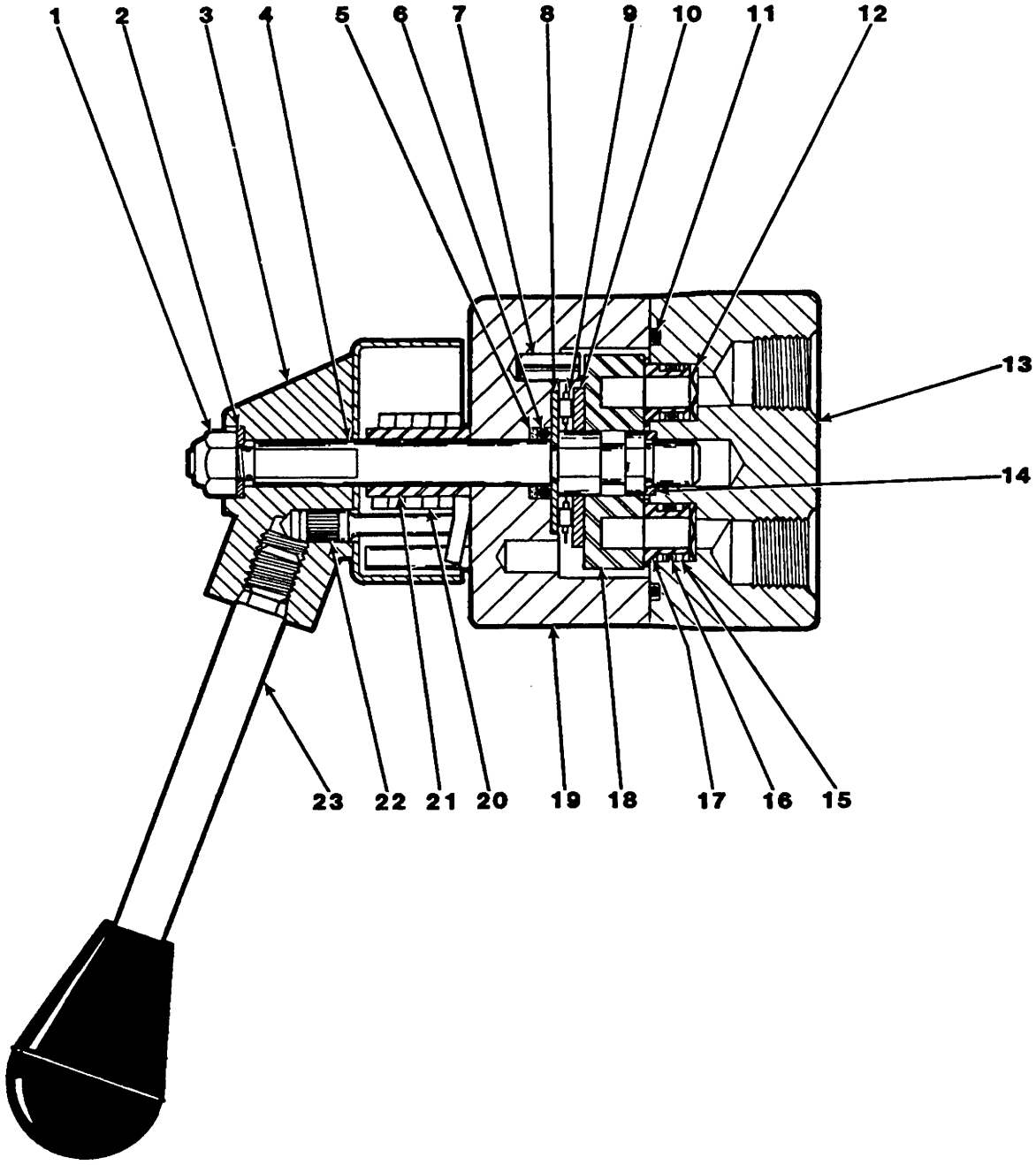
DESCRIPTION	PART NO.
HPC VALVE	01-004700

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-069802		NUT, LOCK (1/4"-28)	1
2	01-069803		WASHER, HANDLE	1
3	01-069801		HANDLE ASSEMBLY (includes Handle, item 23)	1
4			SHAFT, VALVE HANDLE	1
5	01-069805		RING, BACK-UP	1
6	01-069806		"O"-RING	1
7	01-069807		PIN, ROLL	2
8	01-069808		RACE, BEARING	1
9	01-069809		BEARING, THRUST	1
10	01-069810		PLATE, STOP	1
11	01-069811		"O"-RING	1
12	01-069812		SPRING, SEAL	
13	01-069813		BODY, VALVE	1
14	01-069814		WASHER, SHAFT	1
15	01-069815		RING, BACK-UP	4
16	01-069816		"O"-RING	2
17	01-069817		SEAL	2
18	01-069818		DISK ASSEMBLY	1
19	01-069819		CAP	1
20	01-069820		SPRING	1
21	01-069821		BUSHING	1
22	01-069822		PIN	1
23			HANDLE (comes with Handle Assembly, item 3)	1

TITLE: 4-WAY MANUAL CONTROL VALVE

PLATE NO. D05.05 | **SIMON AERIALS INC.** REV. 10/01/90 | PART NO. 01-069800



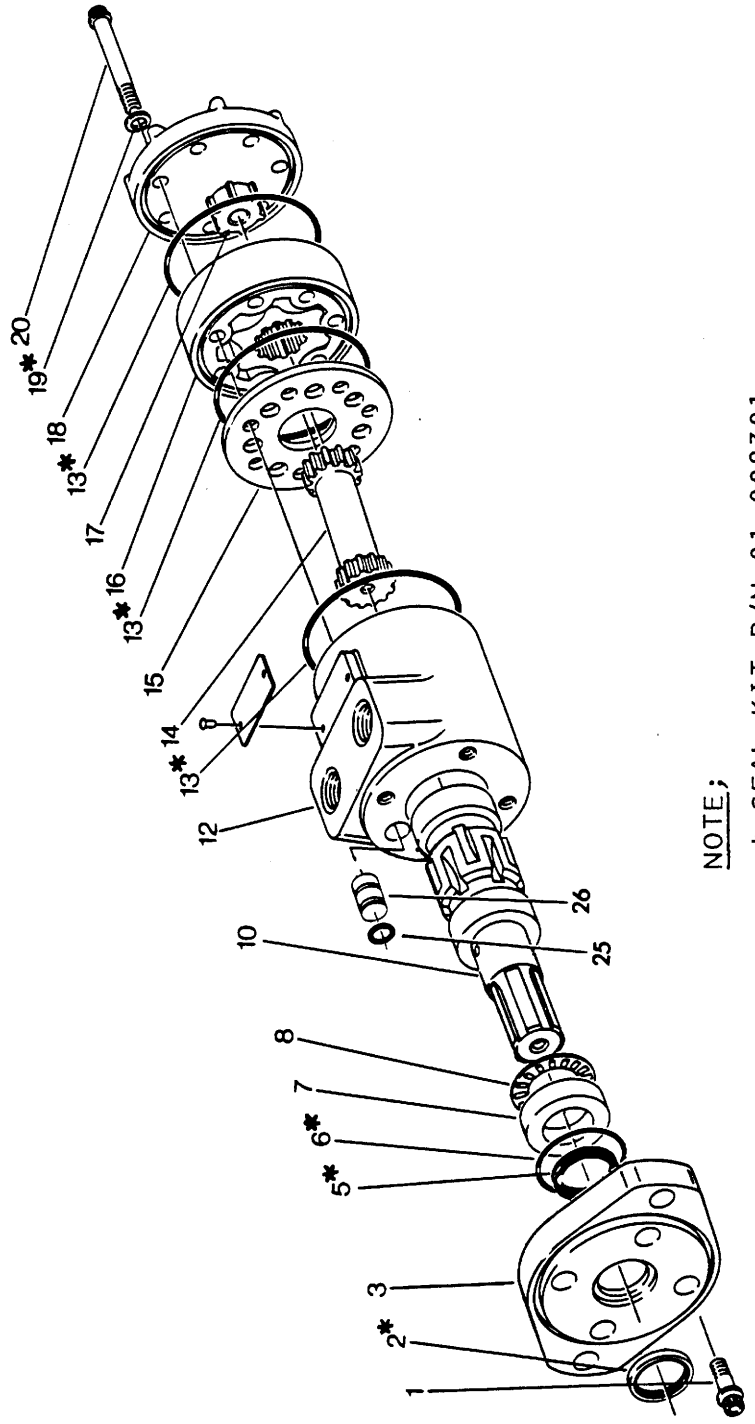
1086/1286

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.	SEC.	DESCRIPTION	QTY.
1			CAPSCREW, 12 PT. 5/16-24X7/8 LG.	4
2*			DUST SEAL	1
3			MOUNTING FLANGE, 2 BOLT	1
5*			SHAFT PRESSURE SEAL	1
6*			SEAL	1
7			BEARING RACE	1
8			THRUST NEEDLE BEARING	1
10			OUTPUT SHAFT (SPLINED)	1
12			HOUSING	1
13*			SEAL	3
14			DRIVE SHAFT	1
15			SPACER PLATE	1
16			GEROTOR SET	1
17			SPACER	1
18			END CAP	1
19*			SEAL WASHER	7
20			CAP SCREW, 12 PT 5/16-24 UNF	7
25*			'O' RING	1
26			PLUG	1
*	01-002301		SEAL KIT	1

DESCRIPTION	PART NO.
SWING MOTOR	01-009100



NOTE;

* SEAL KIT P/N 01-002301

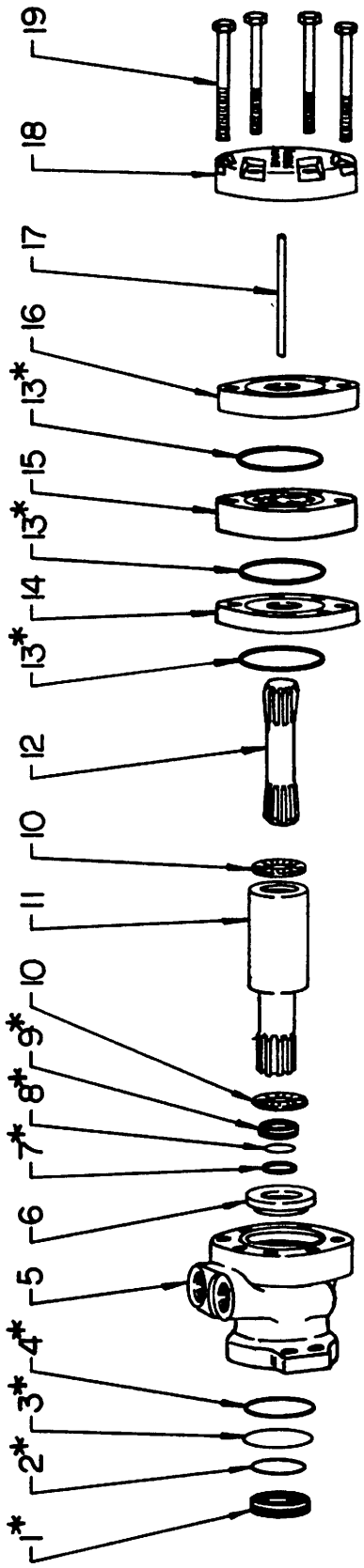
0484/0882

DESCRIPTION	PART NO.
SWING MOTOR	01-009100

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1*			DUST SEAL	1
2*			RETAINING RING	1
3*			STEEL BACK UP	1
4*			SEAL	1
5			HOUSING	1
6			SEAL CARRIER	1
7*			SPACER	1
8*			STEEL BACK UP	1
9*			SHAFT SEAL	1
10			THRUST BEARING	2
11			SHAFT	1
12			DRIVE LINK	1
13*			SEAL	3
14			WEAR PLATE	1
15			ROLLER STATOR	1
16			PRESSURE PLATE	1
17			PIN	1
18			END COVER	1
19			SCREW	7
*	01-011601		SEAL KIT	1

DESCRIPTION	PART NO.
SWING MOTOR	01-011600



NOTE:
* SEAL KIT P/N 01-011601

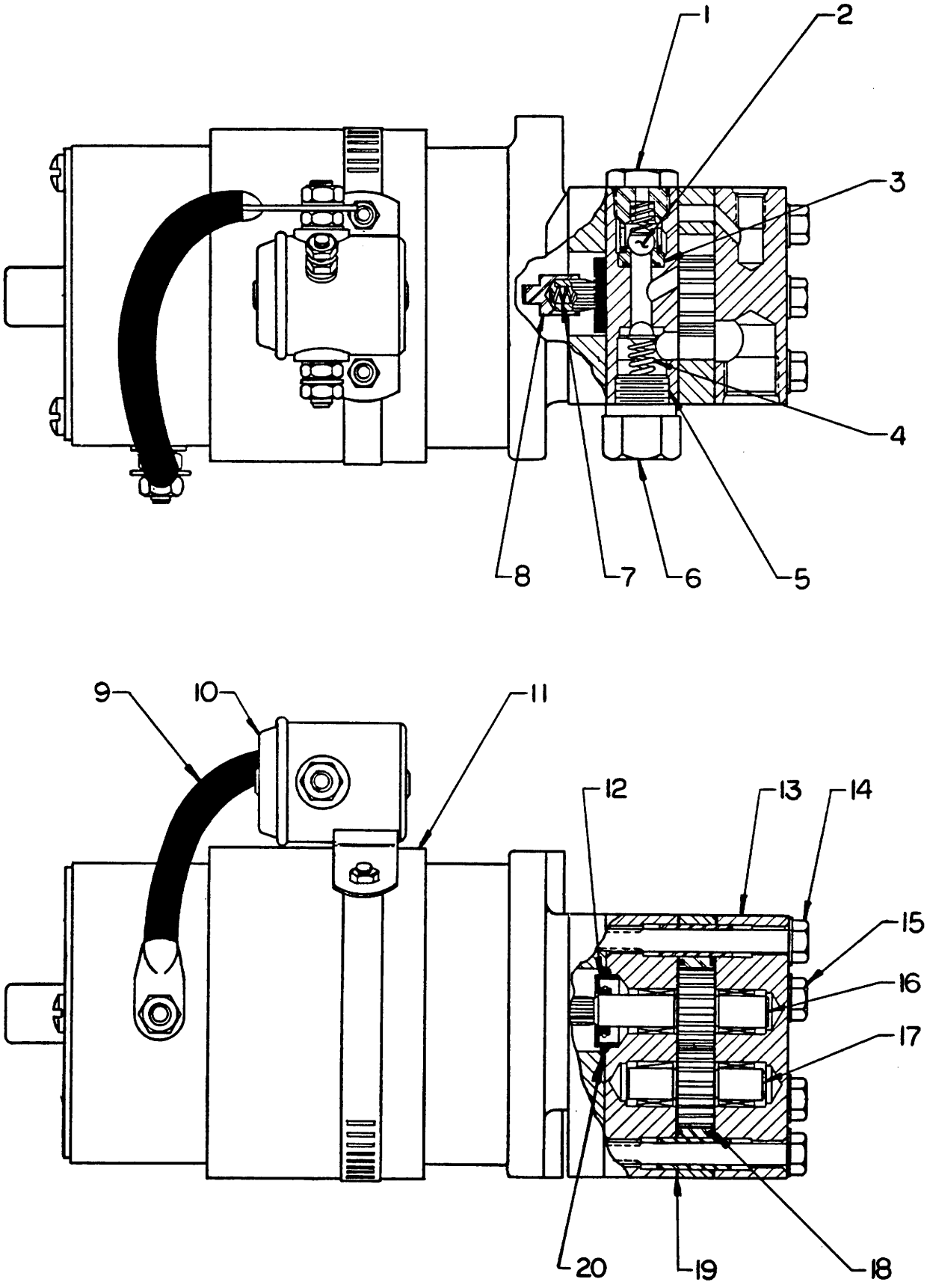
0984/0784

DESCRIPTION	PART NO.
SWING MOTOR	01-011600

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	PART NO.
EMERGENCY PUMP	01-007200



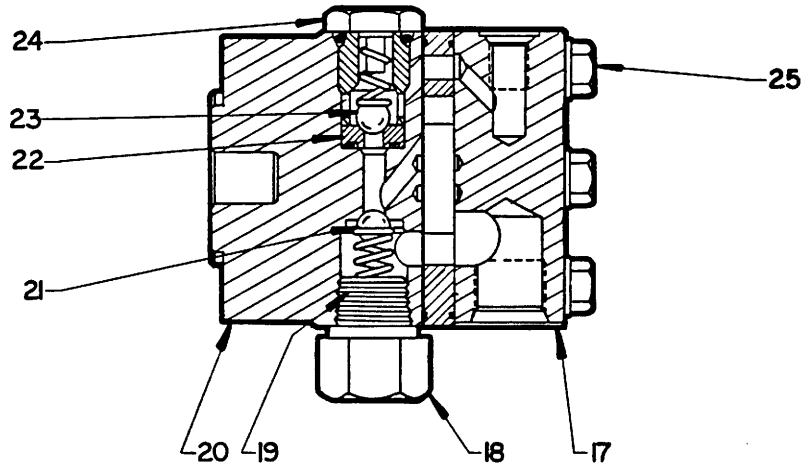
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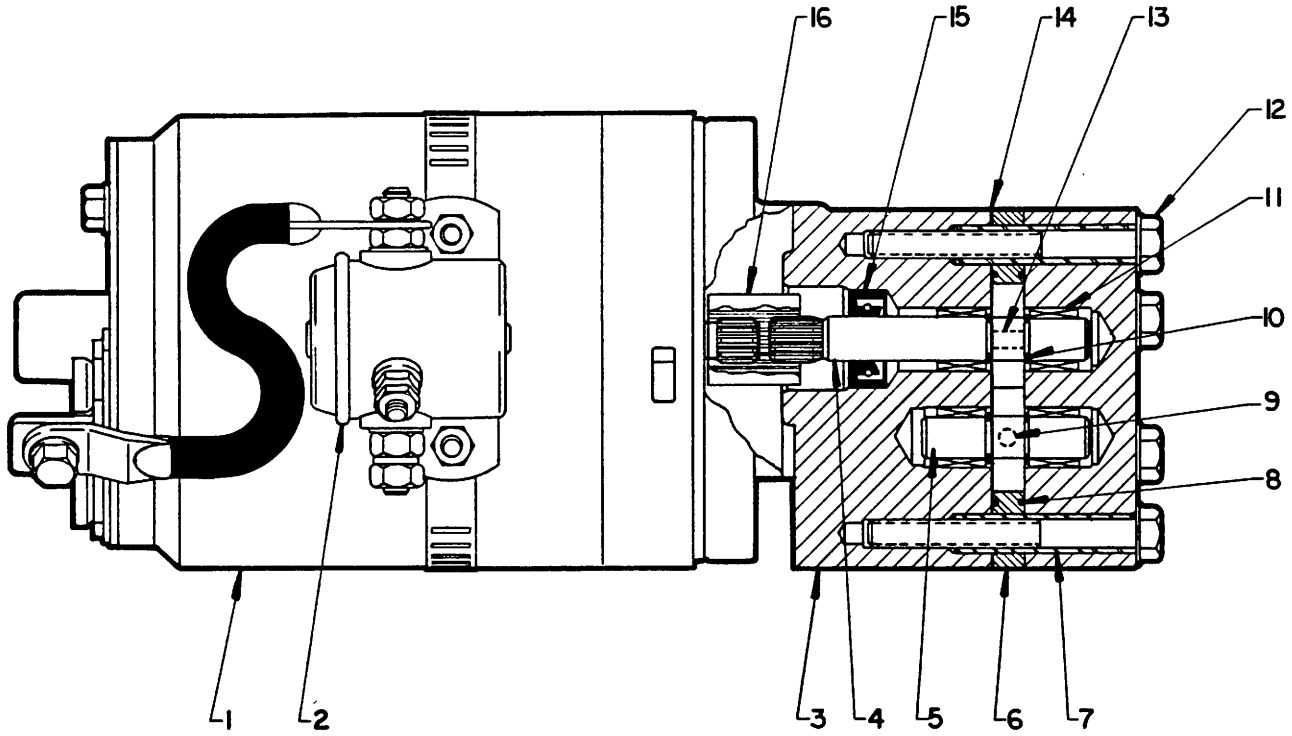
DESCRIPTION	PART NO.
EMERGENCY PUMP	01-007200

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			MOTOR	1
2	01-020201		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			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	01-020212		DRIVE SHAFT OIL SEAL	1
16			COUPLING	1
17			BACK COVER	1
18			RELIEF CAP	1
19			ADJUSTING SCREW	1
20			FRONT COVER	1
21	01-020206		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





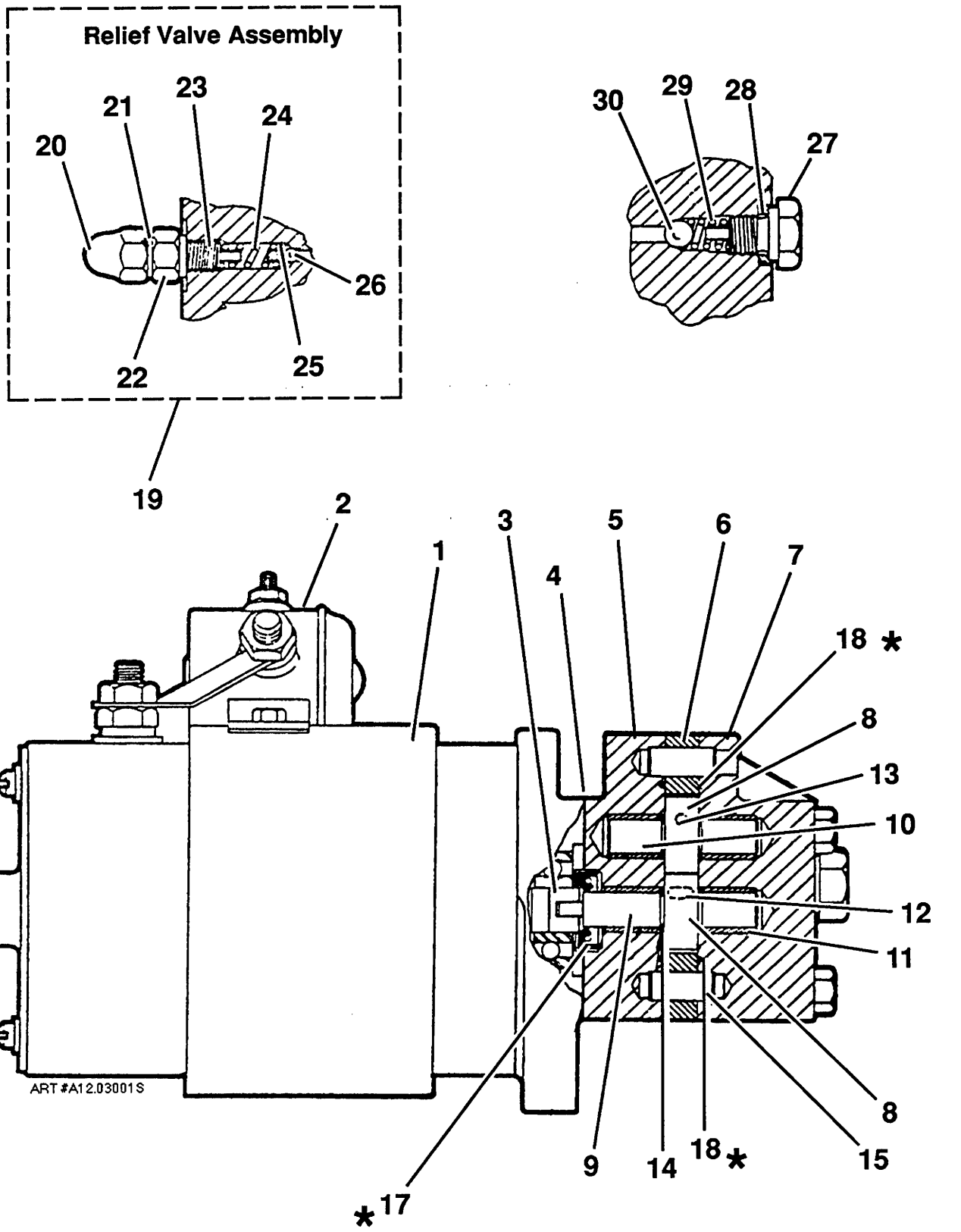
0385/0285

DESCRIPTION	PART NO.
EMERGENCY PUMP	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

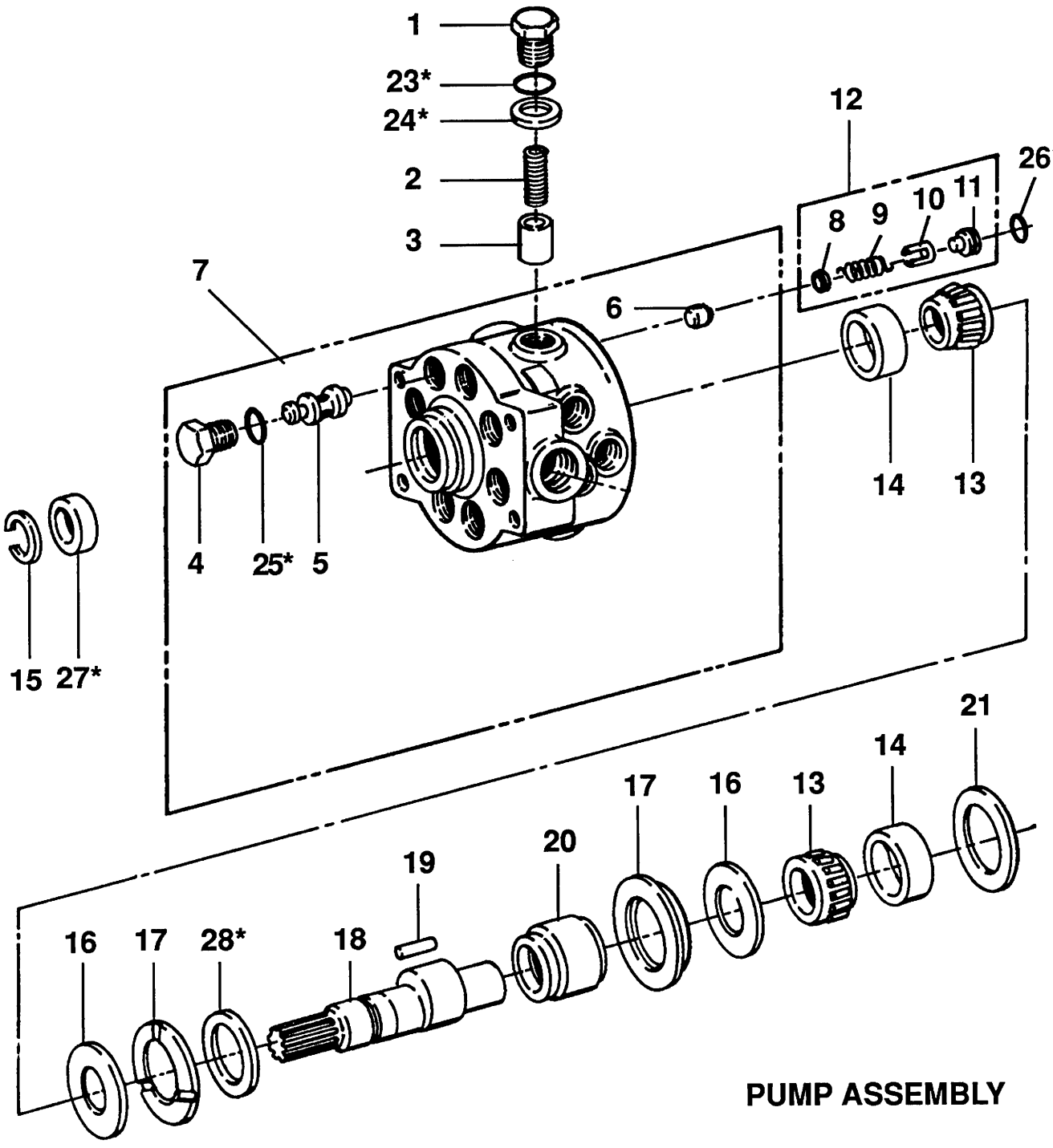


TITLE	EMERGENCY PUMP		
SIMON AERIALS INC. REV. 08 OCT., 1993	PART NO. 01-027200	PLATE NO. D07.04	

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 (*).

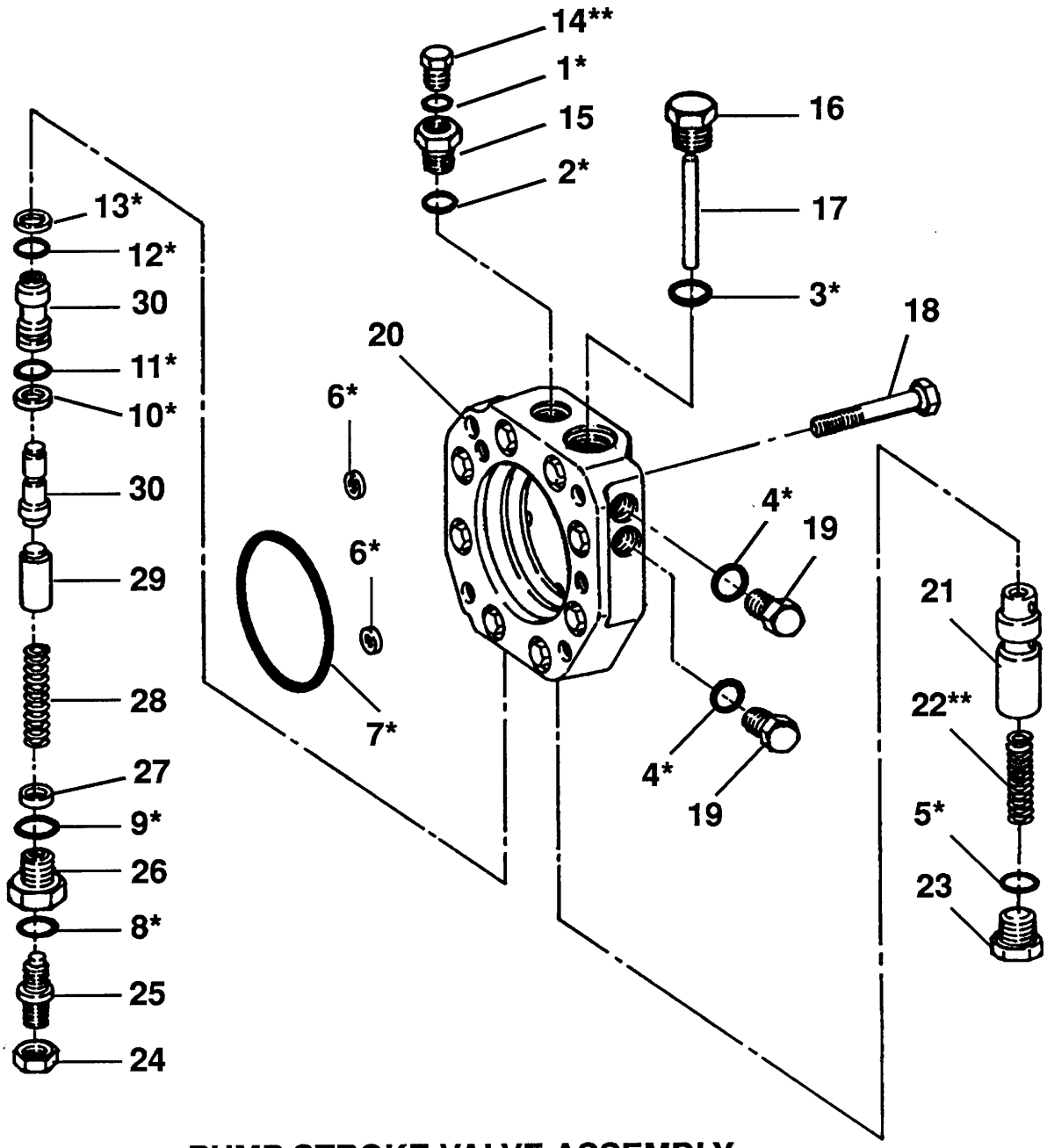
TITLE	HYDRAULIC PUMP (PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 9/17/91	PART NO. 01-007000	PLATE NO. D08.01	

PARTS LIST

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

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

PLATE NO.		REV.	PART NO.
D08.01	**SIMON AERIALS INC.**	9/17/91	01-007000



PUMP STROKE VALVE ASSEMBLY

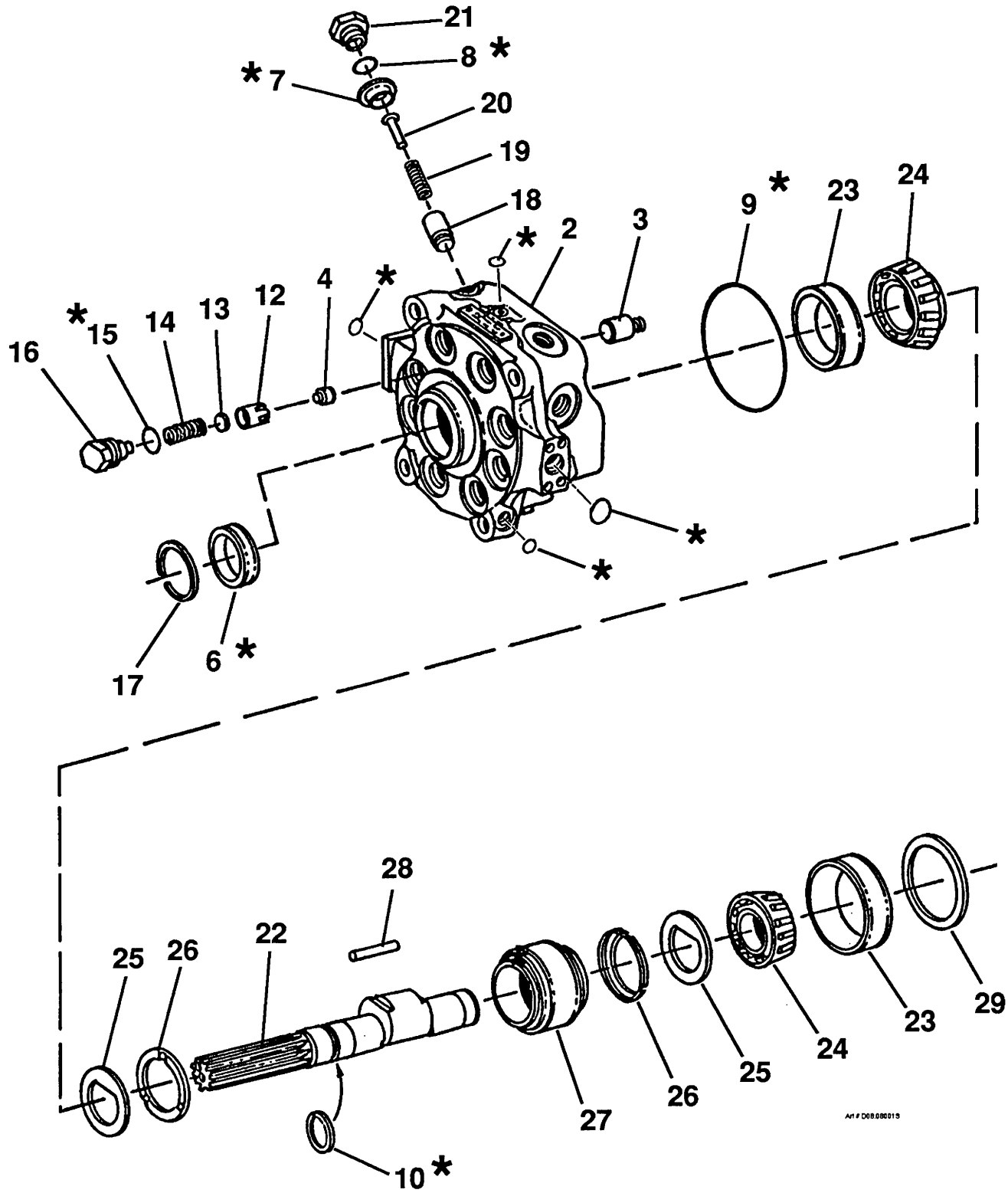
Note: Items in seal kit identified by an asterisk (*).
Item with double asterisk (**) not used, removal required.

TITLE HYDRAULIC PUMP (PLATE 2 OF 2, PUMP STROKE VALVE ASSEMBLY)			
SIMON AERIALS INC.	REV. 9/17/91	PART NO. 01-007000	PLATE NO. D08.01

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



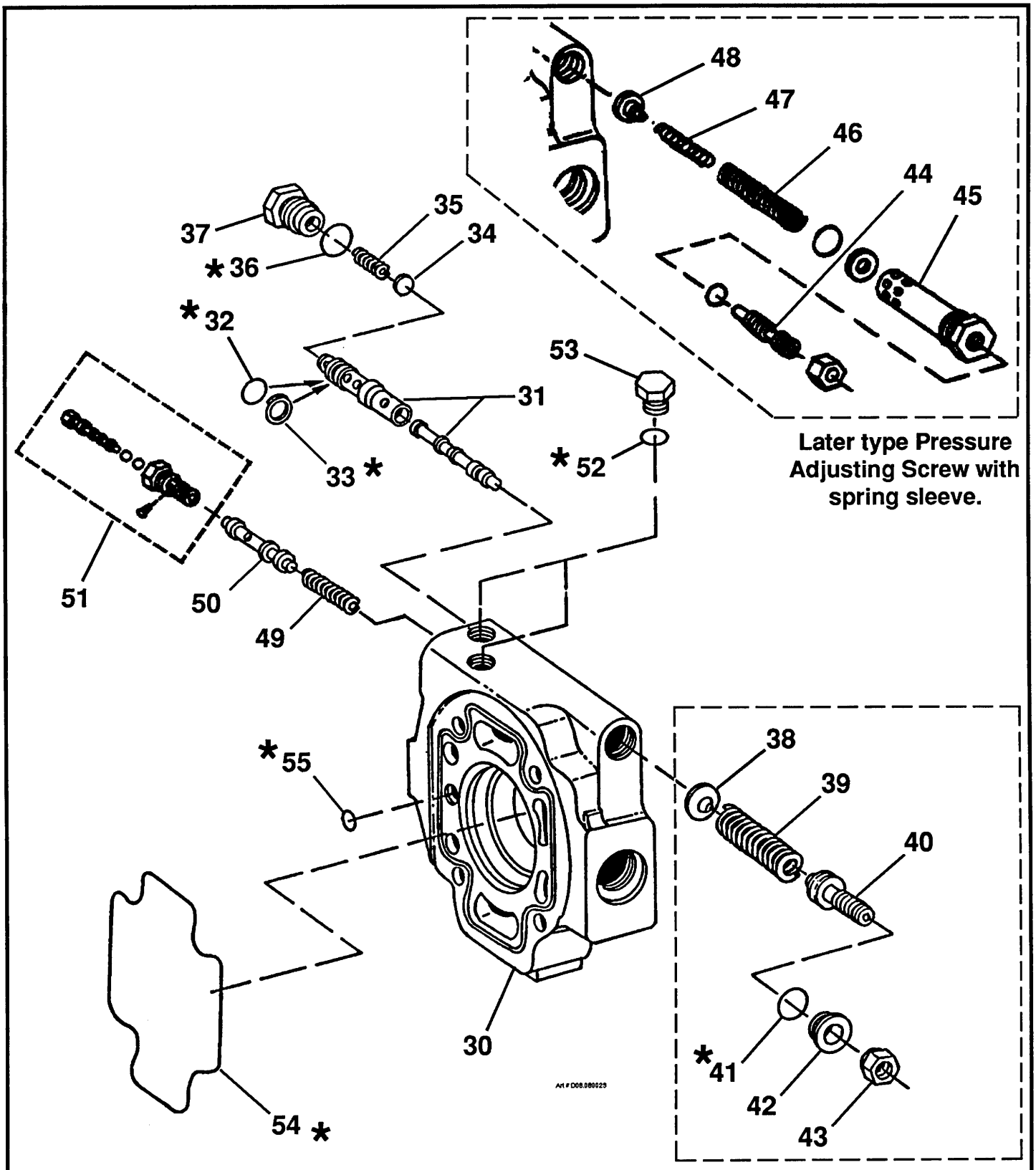
TITLE	HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 09/27/91	PART NO. 01-018600	PLATE NO. D08.08	

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) **Note:** Must be removed from replacement pump.	1
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).	1
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

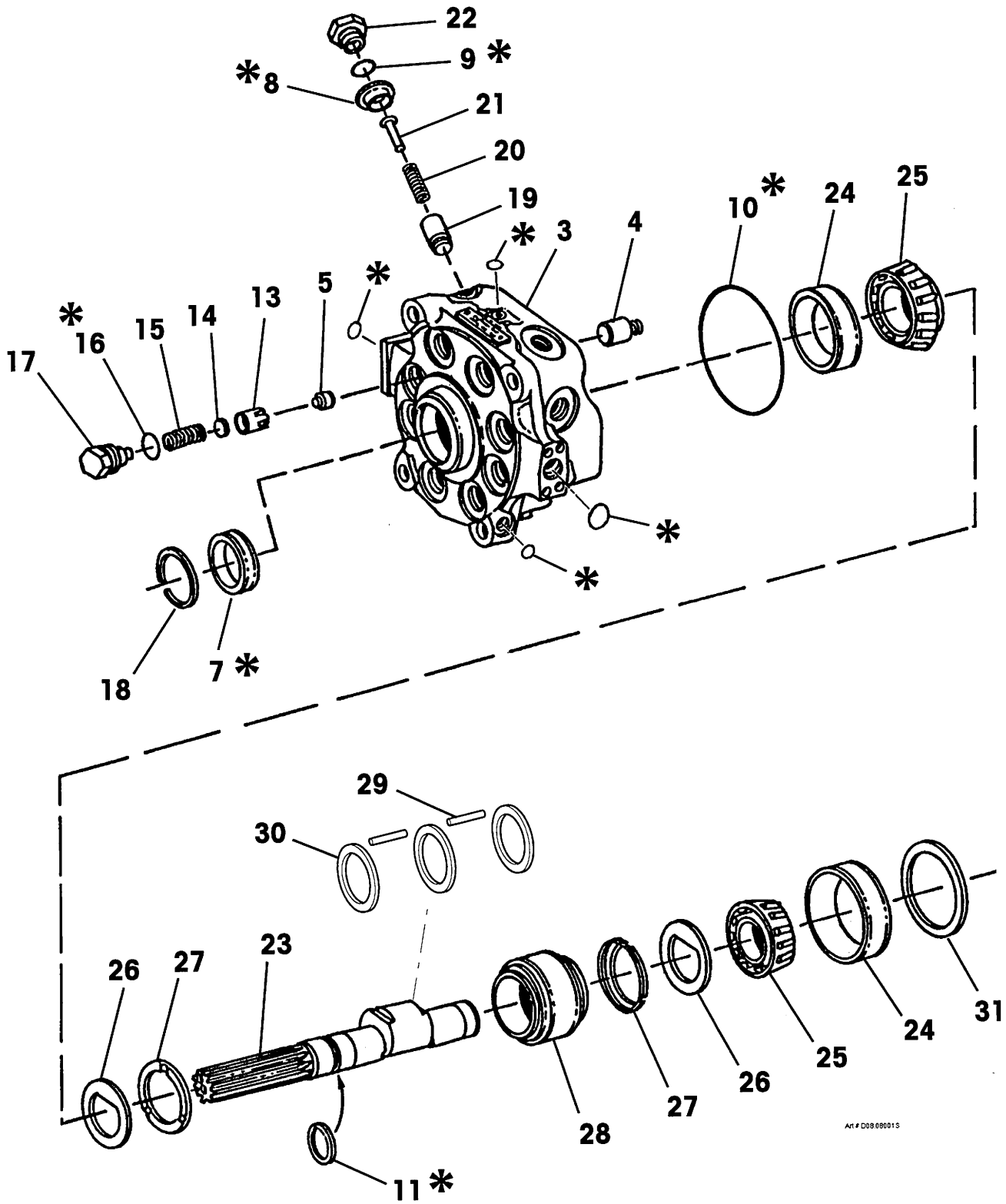
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PUMP ASSEMBLY, HYDRAULIC	1
			Note: These are "Type 2" pumps, with unitized control valve design.	
	01-206900		HPR 40 (marked "*ROPV **312** XXXXXX*" and "24 **71** R11531")	
	01-019500		HPR 50 (marked "*ROPV **322** XXXXXX*" and "24 **72** R11531")	
	01-018700		HPR 65 (marked "*ROPV **332** XXXXXX*" 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
			for Model HPR 40	
	01-019506		for Model HPR 50	
	01-018708		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



Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
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TITLE

HYDRAULIC PUMP ASSEMBLY

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

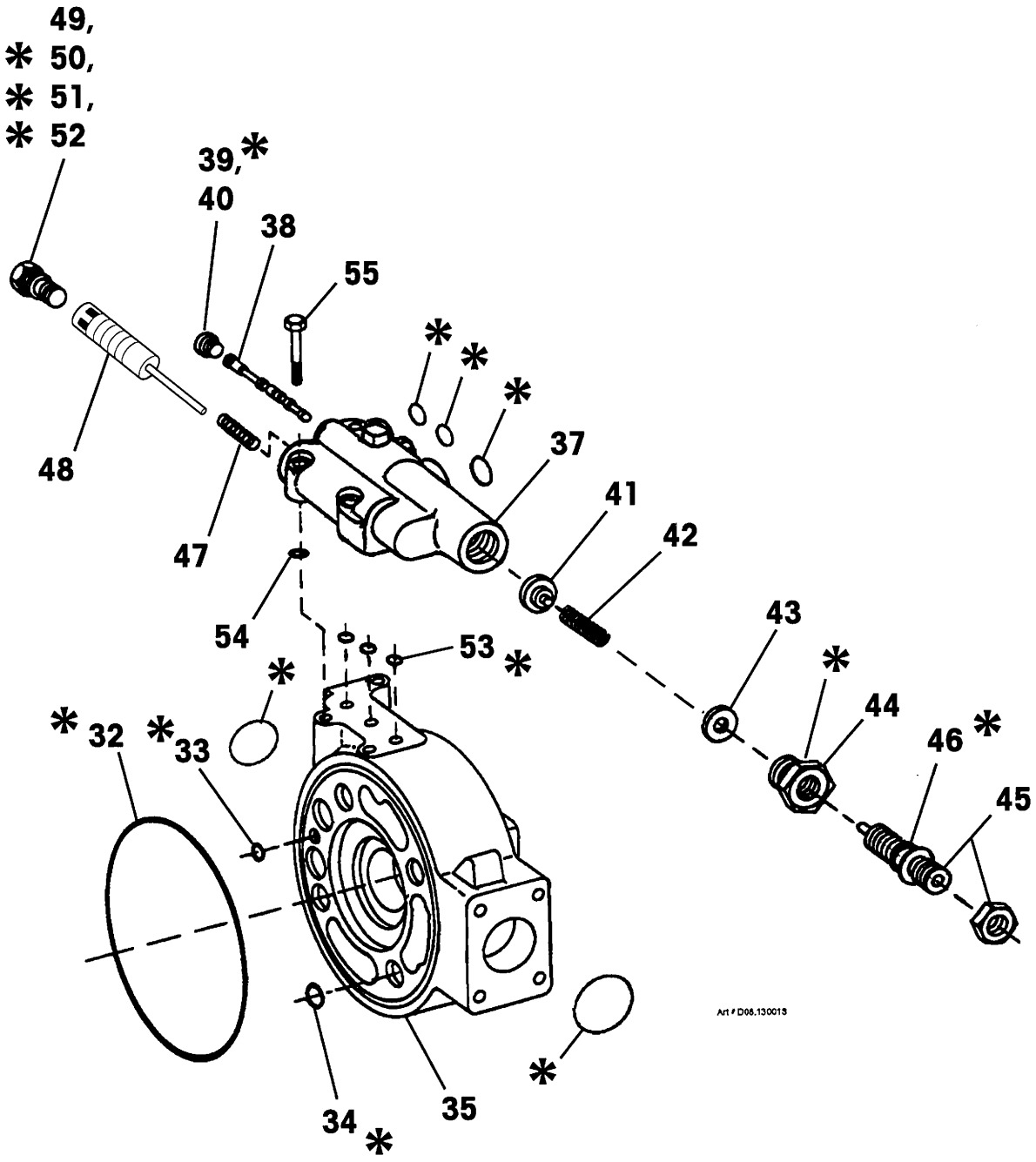
PARTS LIST

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



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

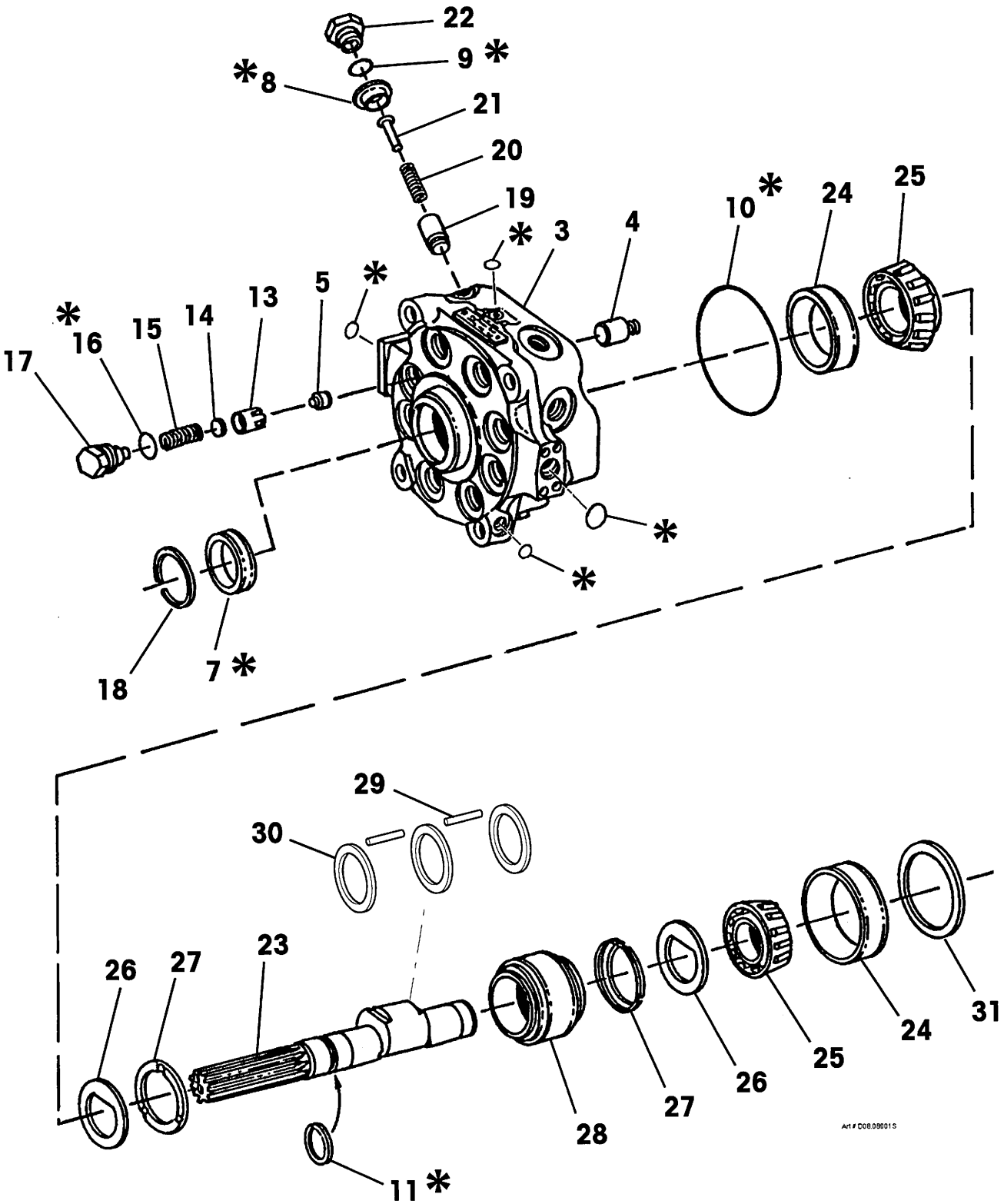
PARTS LIST

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			FITTING, SUCTION	1
	06-216100		90°, 2" stem to 2" hose (32 C4-32 FL90)	
	06-196900		90°, 2" SAE flange to 2" hose (23867-32-32 FC)	
			(**Obsolete**. Use 06-216100 and 06-214400.)	
	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		45°, 2" stem to 1-1/2" hose (24-32 FL45)	
	06-195600		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		(16 FL5K-12MJ90)	
	06-215700		(16 FL5K-16MJ90)	
60	06-202100		FITTING, COMPANION FLANGE (L1-16-16S-30)	
			(**Obsolete**. Use 06-213800 and 06-213900.)	
	06-195800		FITTING KIT, FLANGE (SAE #16, 4 bolt) (5151 HK-16) (**Obsolete**.)	
61	06-215800		45° ELBOW, "O"-RING TO 37° (10 V5OX-S)	1

TITLE: HYDRAULIC PUMP ASSEMBLY

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

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

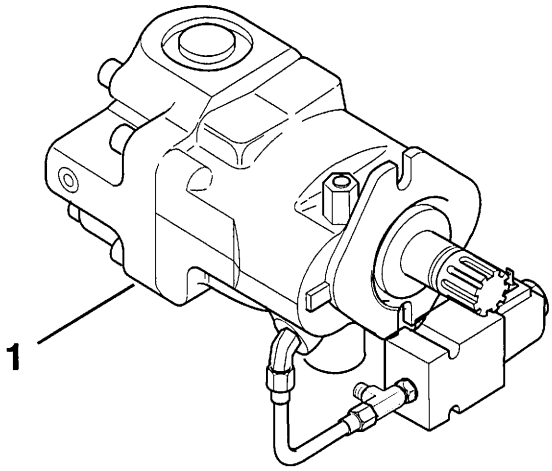


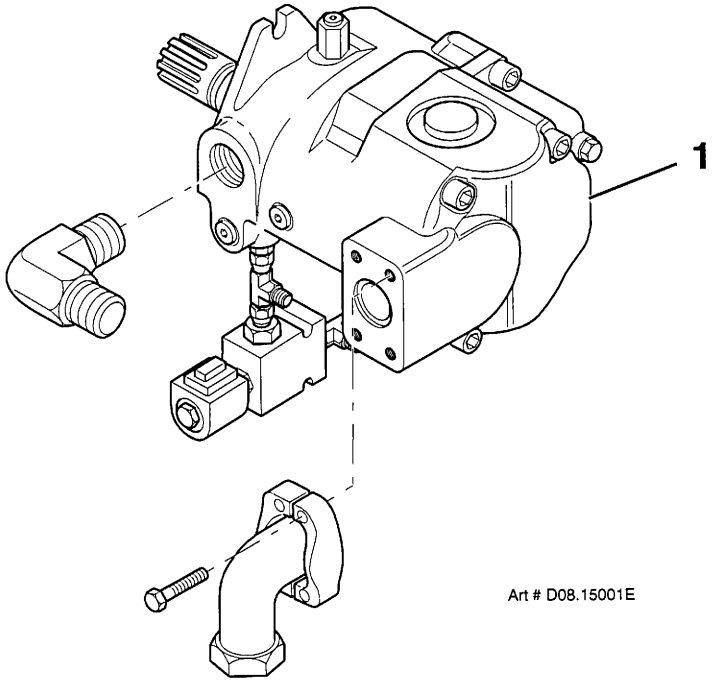
Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE HYDRAULIC PUMP ASSEMBLY					
PART NO.	REV. A	DATED 08 OCT., 1996	SECTION D08.	PLATE NO. 13	PAGE 03	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-236900		PUMP ASSEMBLY, HYDRAULIC 50 c.c./ rev. output (Nameplate is marked "PAVC 65 X **3224**")	1
	01-237800		65 c.c./ rev. output (Nameplate is marked "PAVC 65 X **3232**")	
	01-239800		65 c.c./ rev. output , 3500 psi capacity (Nameplate is marked "PAVC 65 X **3266**")	

TITLE	HYDRAULIC PUMP ASSEMBLY		
PLATE NO. D08.15	**SIMON AERIALS INC.**	NEW 24 JAN., 1996	PART NO.





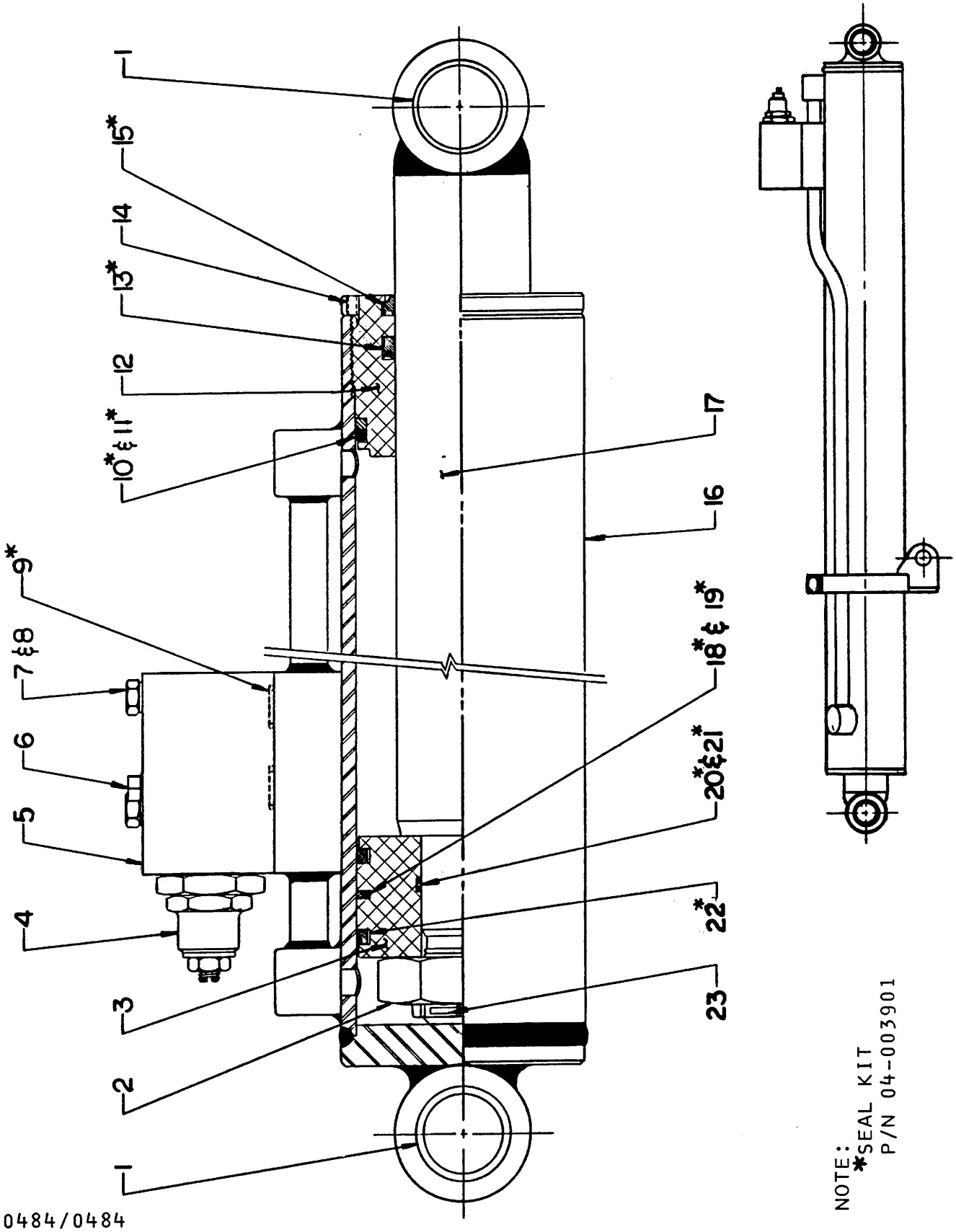
Art # D08.15001E

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			BUSHING	4
2			PISTON NUT	1
3	04-003902		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	PART NO.
LIFT CYLINDER	04-003900-1



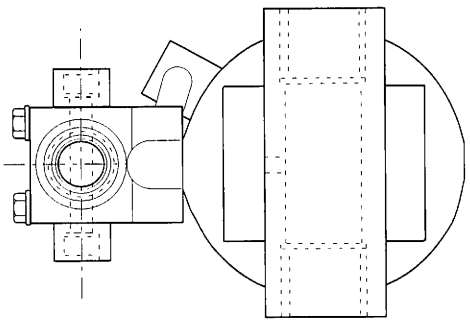
DESCRIPTION	PART NO.
LIFT CYLINDER	04-003900-1

PARTS LIST

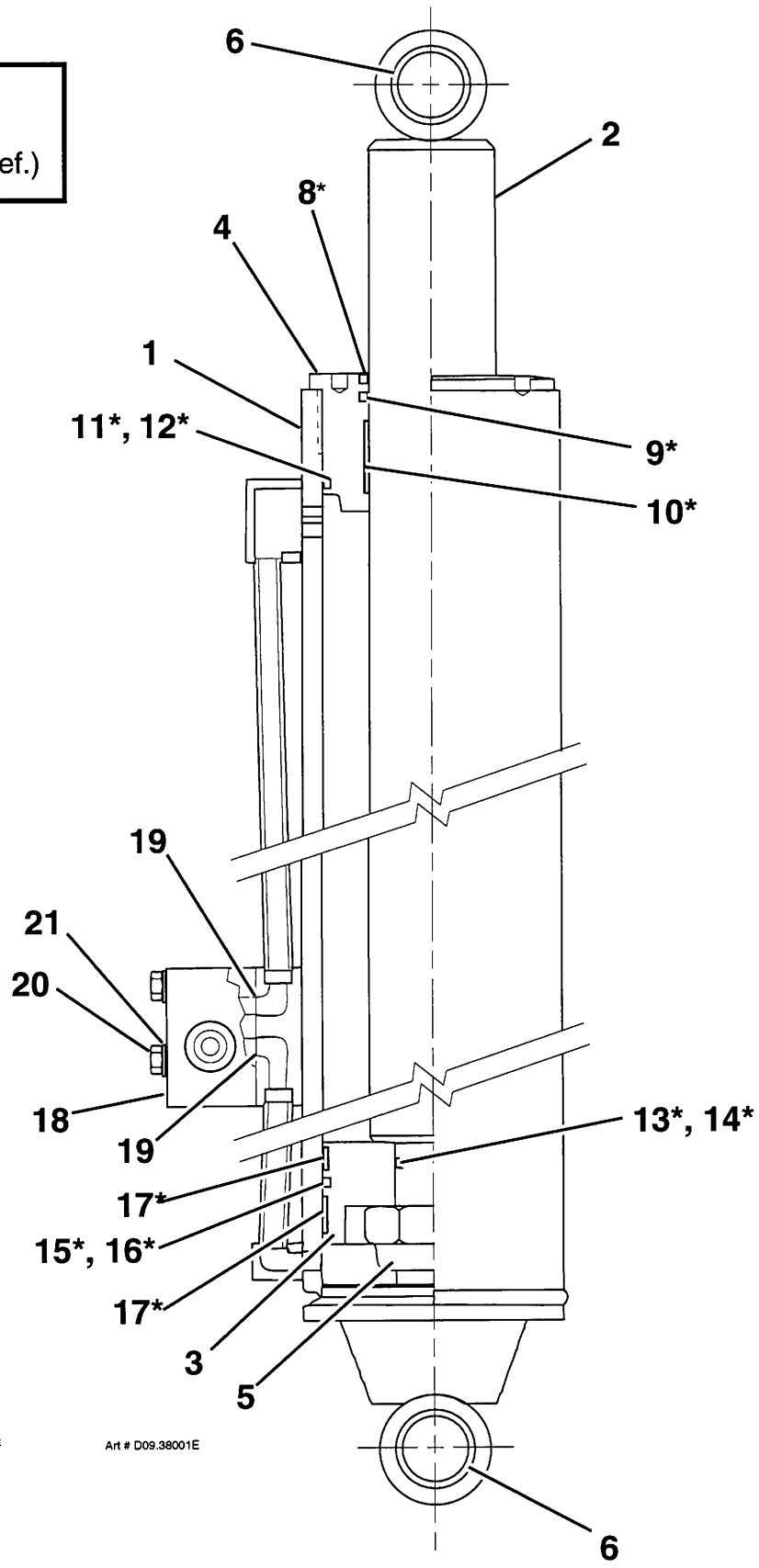
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, PISTON ROD	1
6	04-035602		BUSHING	4
7	04-035601		SEAL KIT (not for use with water-glycol hydraulic fluid) **Note:** Items in kit identified by asterisk (*).	1
8			WIPER, ROD	1
9			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])	1
	04-021402		(For units built after approximately 10 December 1992. Supercedes 04-021402 as replacement on earlier units.) 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

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



View of Base End

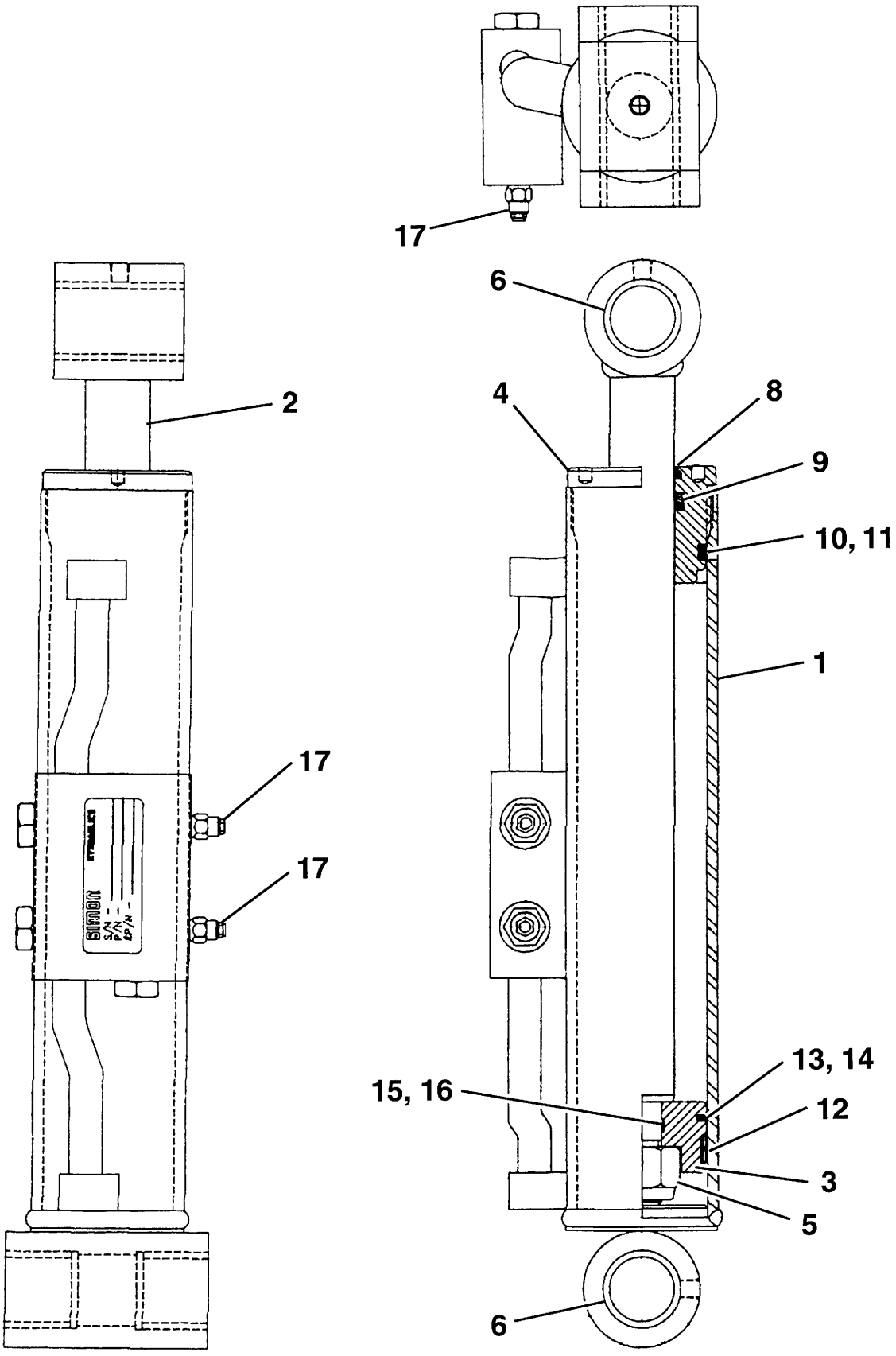


TITLE	LIFT CYLINDER, 52.0" (1.32 M) STROKE		
SIMON AERIALS INC. REV. 15 FEB., 1995	PART NO. 04-035600	PLATE NO. D09.37	

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.**	NEW 03 DEC., 1992	PART NO.	04-032600

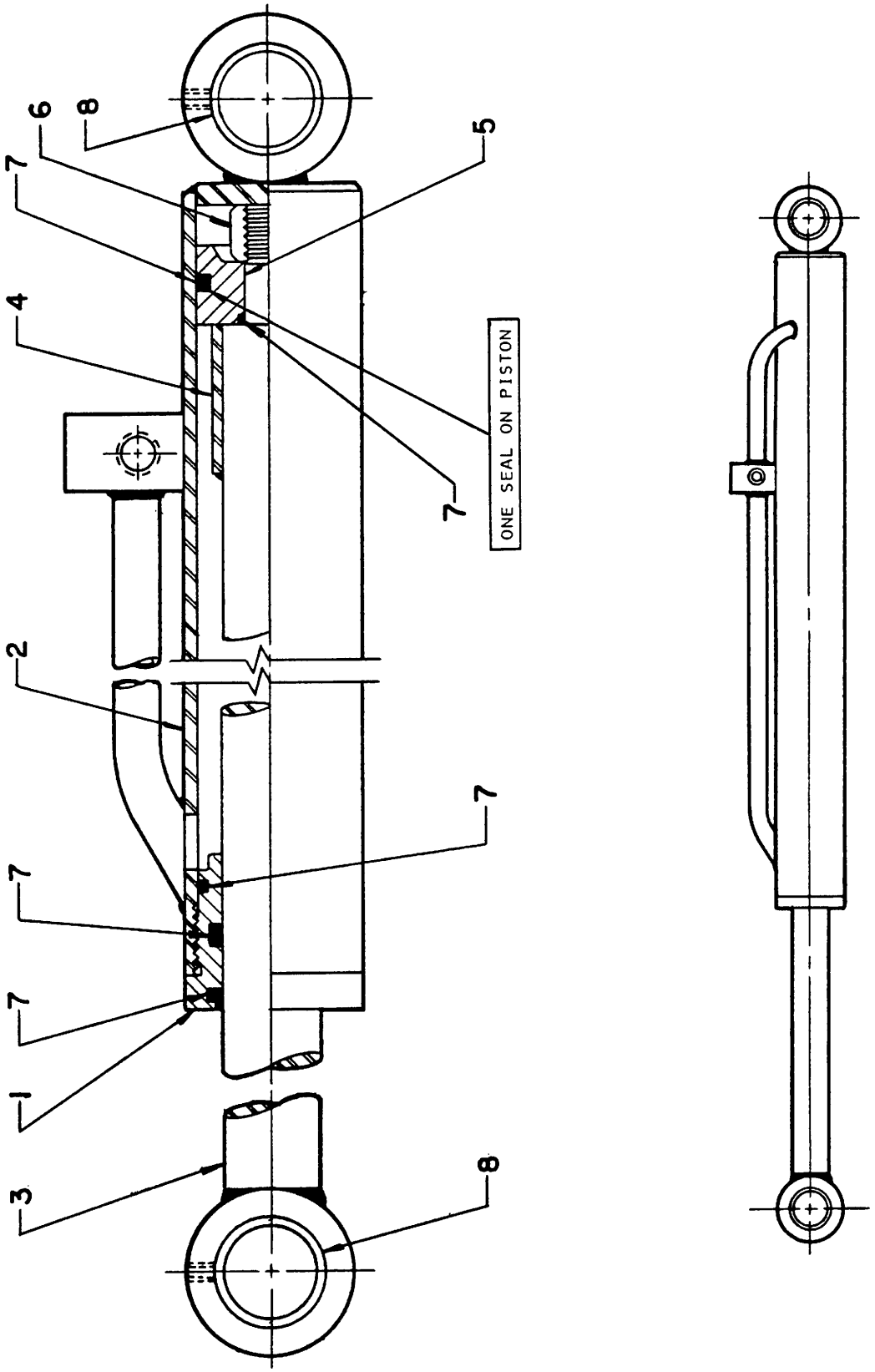


TITLE	MASTER LEVEL CYLINDER, 10" (.25 M) STROKE		
SIMON AERIALS INC. NEW 03 DEC., 1992	PART NO. 04-032600	PLATE NO. D10.101	

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			HEAD GLAND	1
2			CASE	1
3			ROD	1
4			SPACER	1
5			PISTON	1
6			LOCKNUT	1
7	04-007101		SEAL KIT	1
8			BUSHING	4

DESCRIPTION	PART NO.
MASTER LEVELING CYLINDER	04-007100



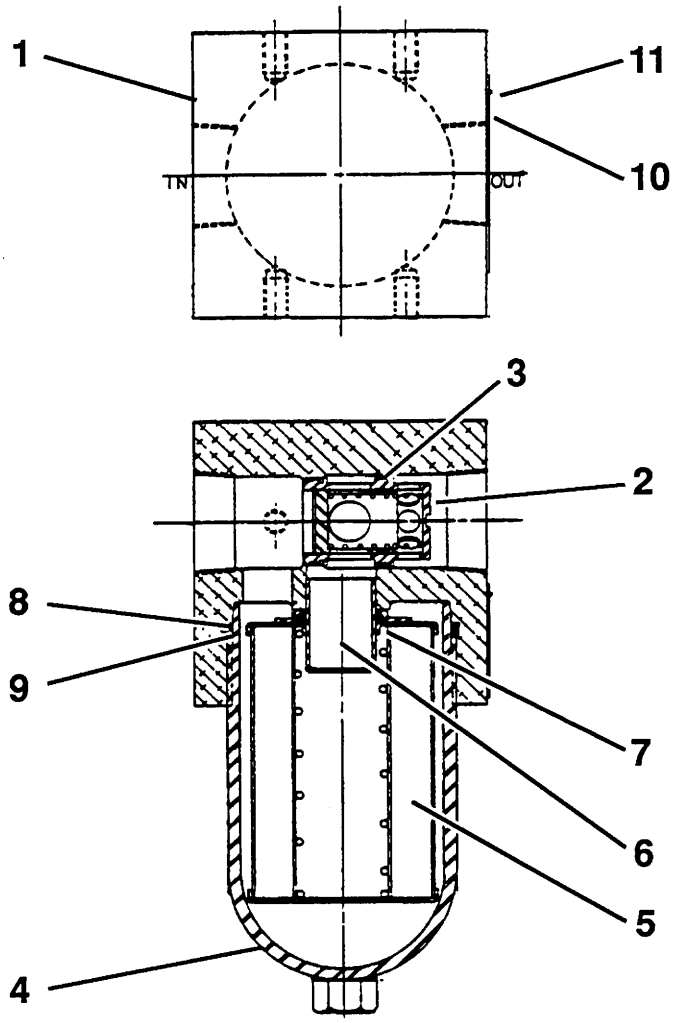
1283/0383

DESCRIPTION	PART NO.
MASTER LEVELING CYLINDER	04-007100

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HEAD, FILTER	1
2			VALVE ASSEMBLY, NON-BYPASS	1
3			O-RING	1
4			BOWL ASSEMBLY, FILTER	1
5	01-033813		ELEMENT, FILTER	1
6			BUSHING, ELEMENT	1
7			O-RING	1
8			O-RING	1
9			RING, BACK-UP	1
10			NAMEPLATE	1
11			STUD, DRIVE	4
12	01-033802		SEAL KIT	1

TITLE	HIGH PRESSURE FILTER		
PLATE NO. D11.01	**SIMON AERIALS INC.**	REV. 05/02/91	PART NO. 01-035100

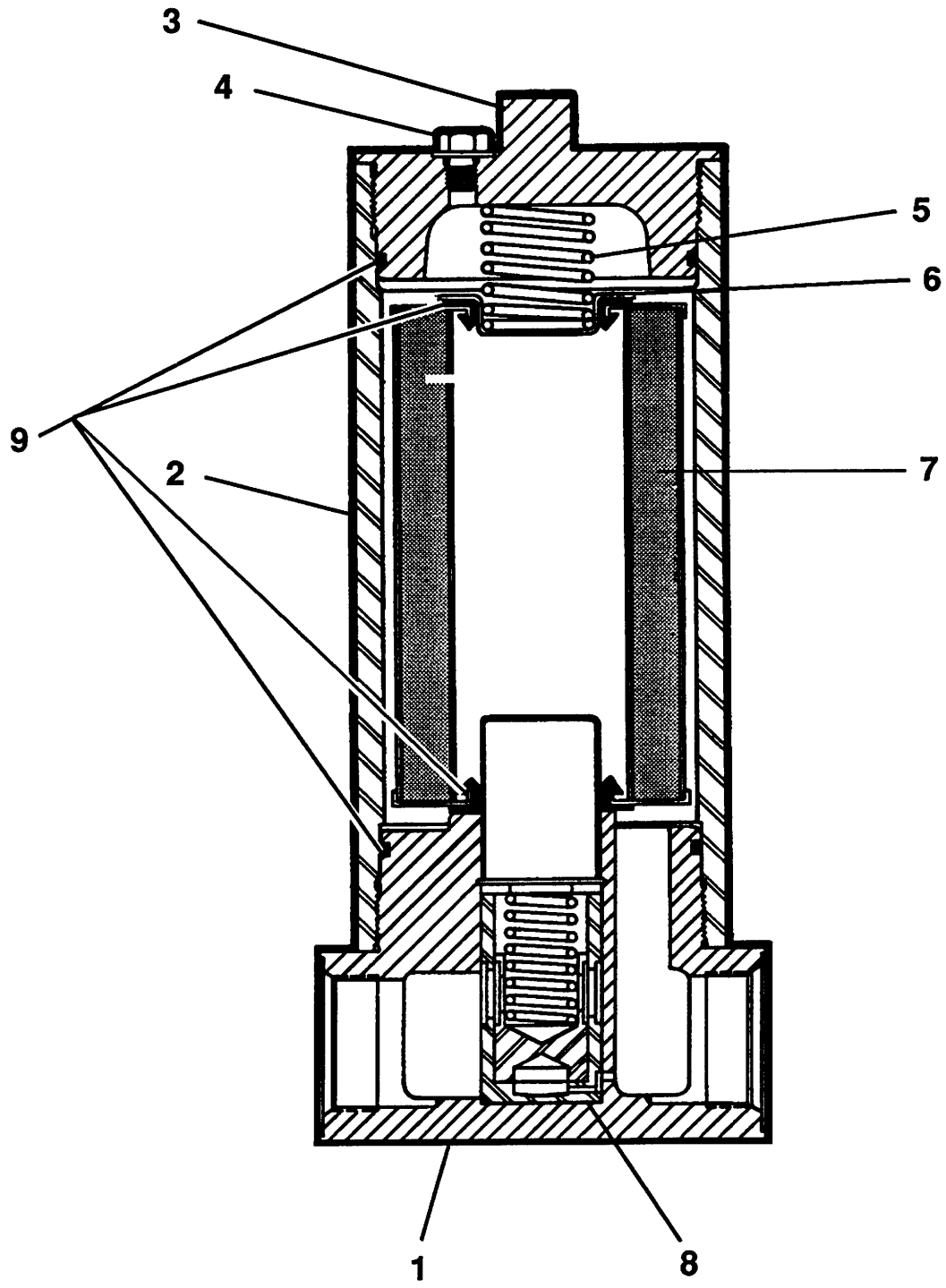


TITLE	HIGH PRESSURE FILTER		
SIMON AERIALS INC.	REV. 05/02/91	PART NO. 01-035100	PLATE NO. D11.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-014006		BLOCK ASSEMBLY, FILTER	1
2			HOUSING, FILTER	1
3			CAP, FILTER HOUSING	1
4			PLUG, AIR BLEED (7/16"-20)	1
5	01-014003		SPRING, COMPRESSION	1
6	01-014004		CUP, COMPRESSION SPRING	1
7	01-014001		ELEMENT, FILTER (10 micron, paper) (Standard element, supplied with filter assembly) **Note: not suitable** for use with water glycol fluid	1
	01-014005		ELEMENT, FILTER (3 micron, paper) (Option) **Note: not suitable** for use with water glycol fluid	1
	01-200700		ELEMENT, FILTER (synthetic material) (Option) **Note: suitable** for use with water glycol fluid	1
8			VALVE ASSEMBLY, NON-BYPASS	1
9	01-014002		SEAL KIT, HIGH PRESSURE FILTER	1

TITLE	HIGH PRESSURE FILTER		
PLATE NO. D11.03	**SIMON AERIALS INC.**	REV. 06/25/91	PART NO. 01-014000

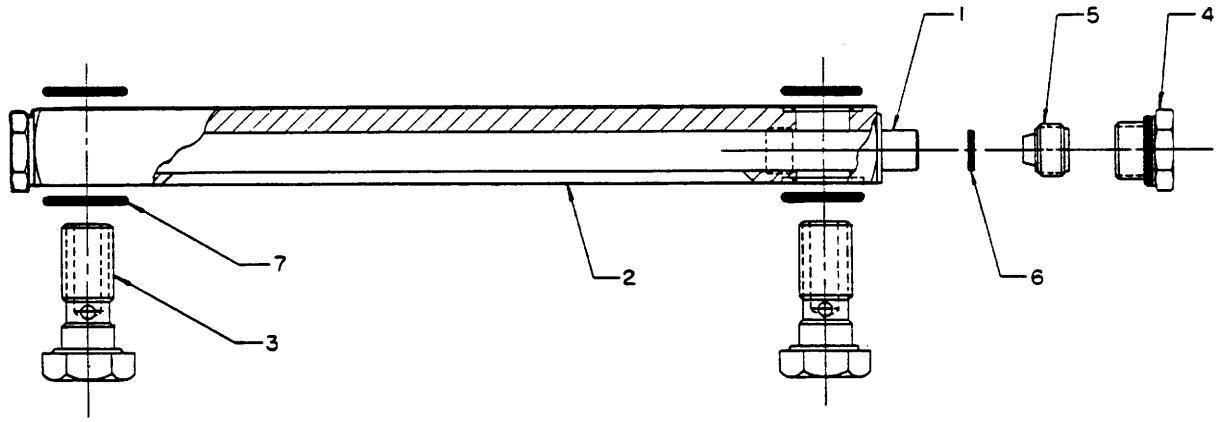


TITLE	HIGH PRESSURE FILTER		
SIMON AERIALS INC. REV. 06/25/91	PART NO. 01-014000	PLATE NO. D11.03	

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 12"	10-033500



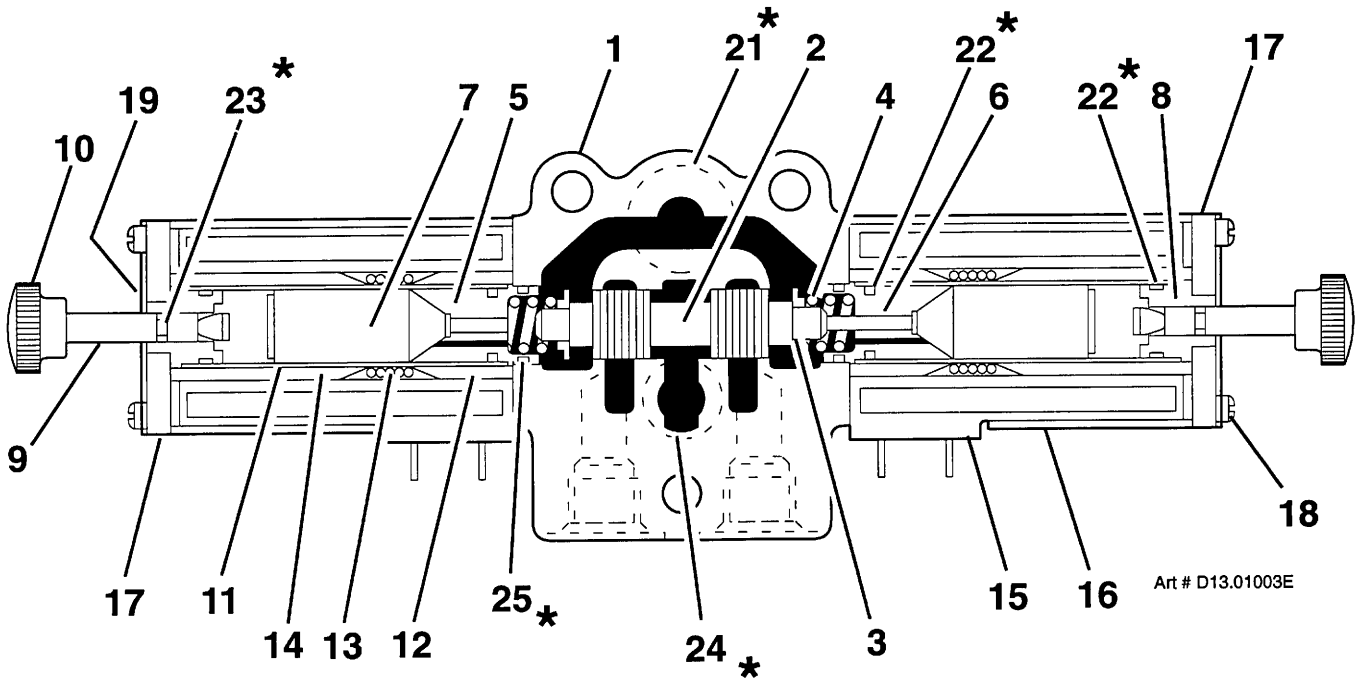
0684/0184

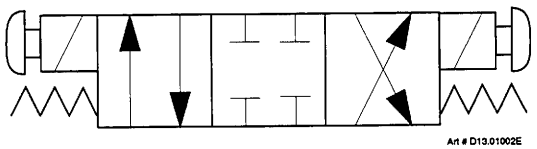
DESCRIPTION	PART NO.
SIGHT GAUGE 12"	10-033500

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





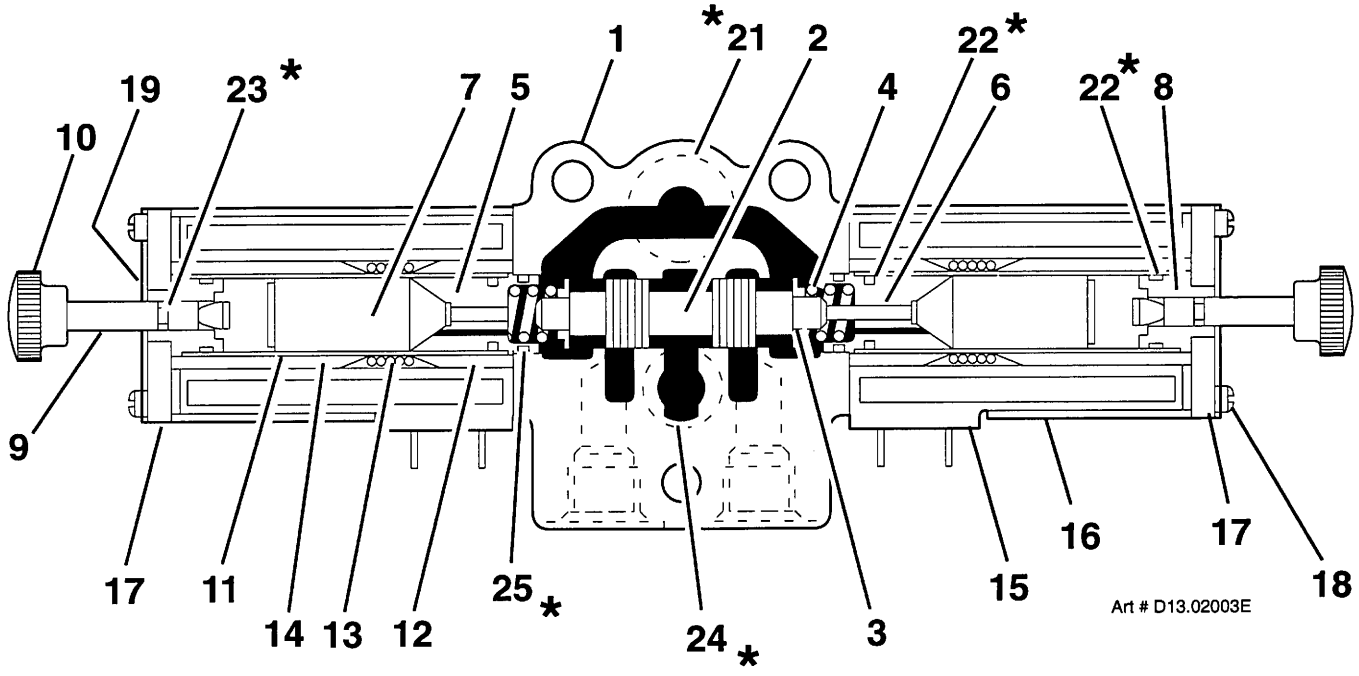
TITLE	4-WAY, 3 POSITION SOLENOID VALVE, CLOSED CENTER SPOOL		
SIMON AERIALS INC. REV. 20 SEP., 1995		PART NO. 01-031700	PLATE NO. D13.01

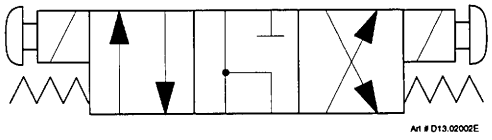
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031801		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, OPEN CENTER (MOTORING) SPOOL

PLATE NO. D13.02 | **SIMON AERIALS INC.** REV. 20 SEP., 1995 | PART NO. 01-031800



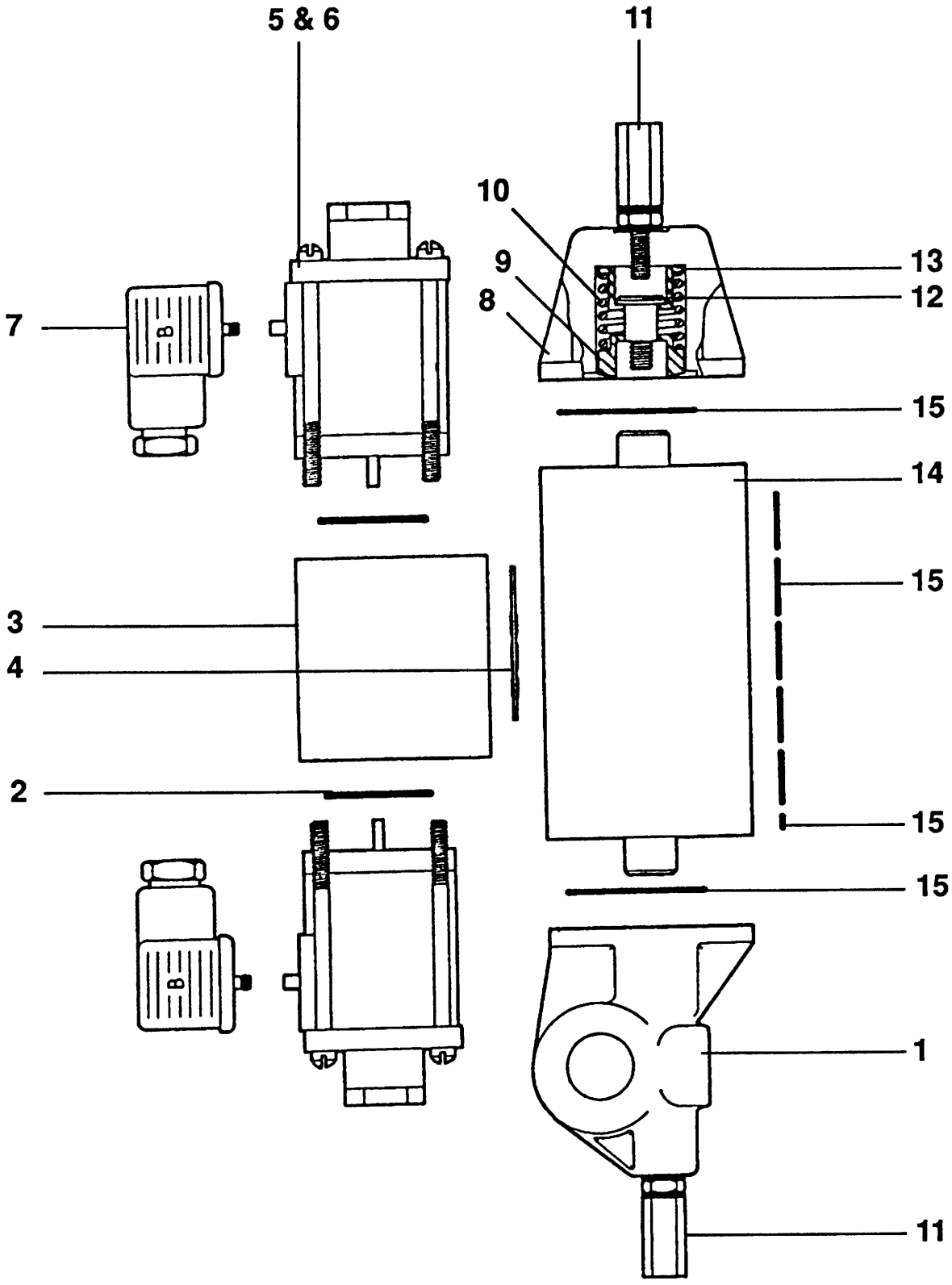


TITLE 4-WAY, 3 POSITION SOLENOID VALVE, OPEN CENTER (MOTORING) SPOOL			
SIMON AERIALS INC. REV. 20 SEP., 1995	PART NO. 01-031800	PLATE NO. D13.02	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			LEVER CAP ASSEMBLY	1
2			O-RING	2
3	01-040305		PILOT VALVE ASSEMBLY	1
4			SEAL PLATE	1
5	01-040306		SOLENOID ASSEMBLY	2
6	01-040307		COIL 2	
7	03-043000		CONNECTOR	2
8			SPRING CAP ASSEMBLY	1
9			SPRING CUP	1
10			SPRING	1
11			STROKE CONTROL ASSEMBLY	1
12			SHOULDER SCREW	1
13			SPRING CUP	1
14			4-WAY VALVE ASSEMBLY	1
15	01-040312		VALVE SEAL KIT	1
16			COMPLETE VALVE (Includes all above items)	
	01-040301		DRIVE	
	01-040302		EXTEND	
	01-040303		HOIST	
	01-040304		SWING	

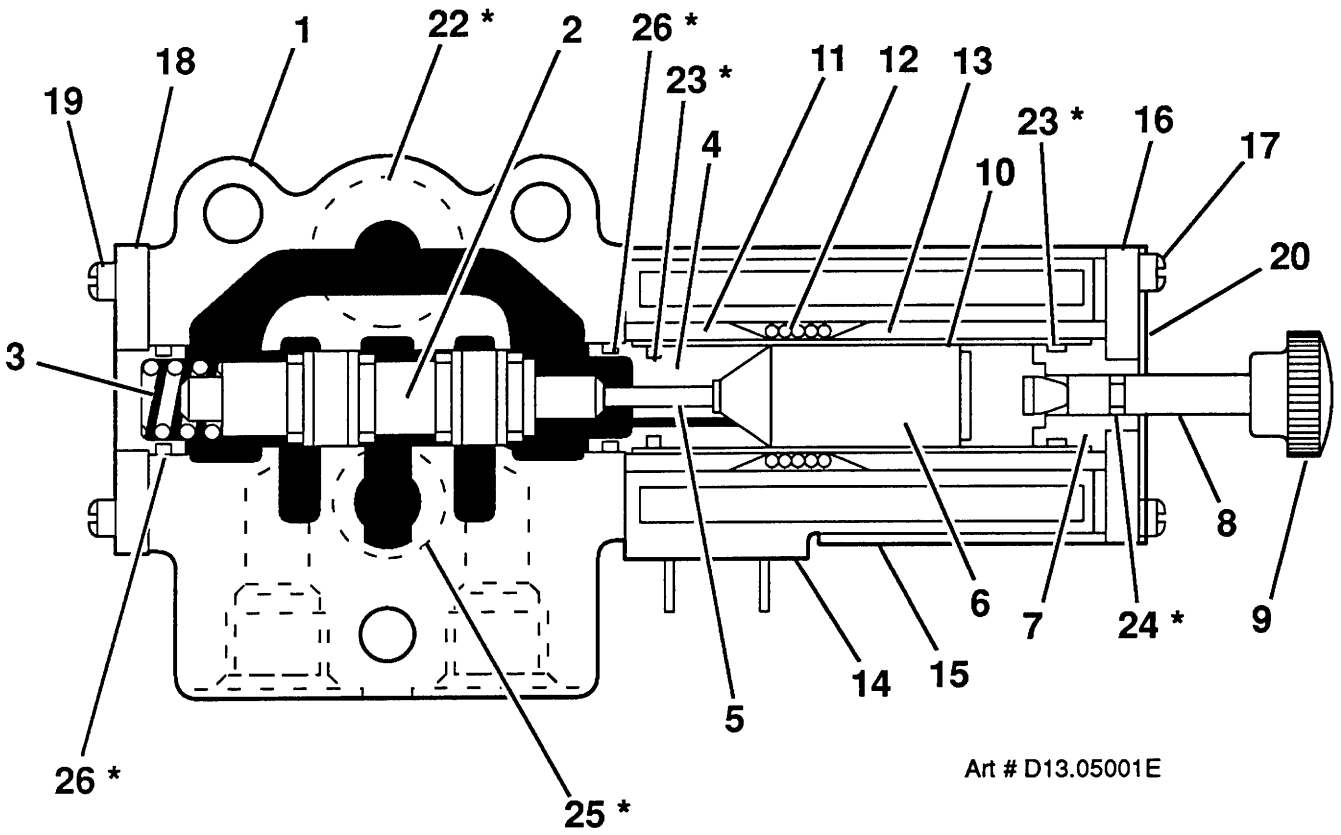
TITLE	4-WAY VALVE ASSEMBLY			
PLATE NO.	D13.03	SIMON AERIALS INC.	REV. 13/08/91	PART NO. 01-040301 THRU 01-040304



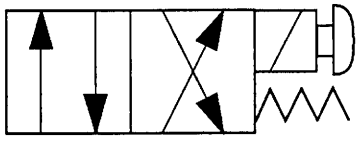
TITLE	4-WAY VALVE ASSEMBLY		
SIMON AERIALS INC. REV. 13/08/91	PART NO. 01-040301 THRU 01-040304	PLATE NO. D13.03	

ITEM	PART NO	SEE SECTION	
1			BODY, V
2			SPOOL,
3	01-031714		SPRING
4	01-031725		CONE, F
5	01-031719		PIN, PUS
6	01-031721		PLUNGE
7	01-031722		GUIDE, A
8	01-031706		PIN, ACT
9	01-031705		KNOB
10	01-031718		TUBE, G
11	01-031717		SLEEVE,
12	01-031715		SPRING
13	01-031716		SLEEVE,
14	01-031701		COIL (12
	01-031802		COIL (24
15	01-031713		CASE, S
16			PLATE, E
17	01-031724		SCREW,
18			PLATE, E
19			SCREW,
20			NAMEPL
21	01-031712		SEAL KI
			Note: I
22	01-031703		RING
23	01-031710		O-RIN
24	01-031709		O-RIN
25	01-031702		RING
26	01-031711		O-RIN

TITLE	4-WAY, 2 P
PLATE NO. D13.05	**SIMON AER**



Art # D13.05001E



Art # D13.05002E

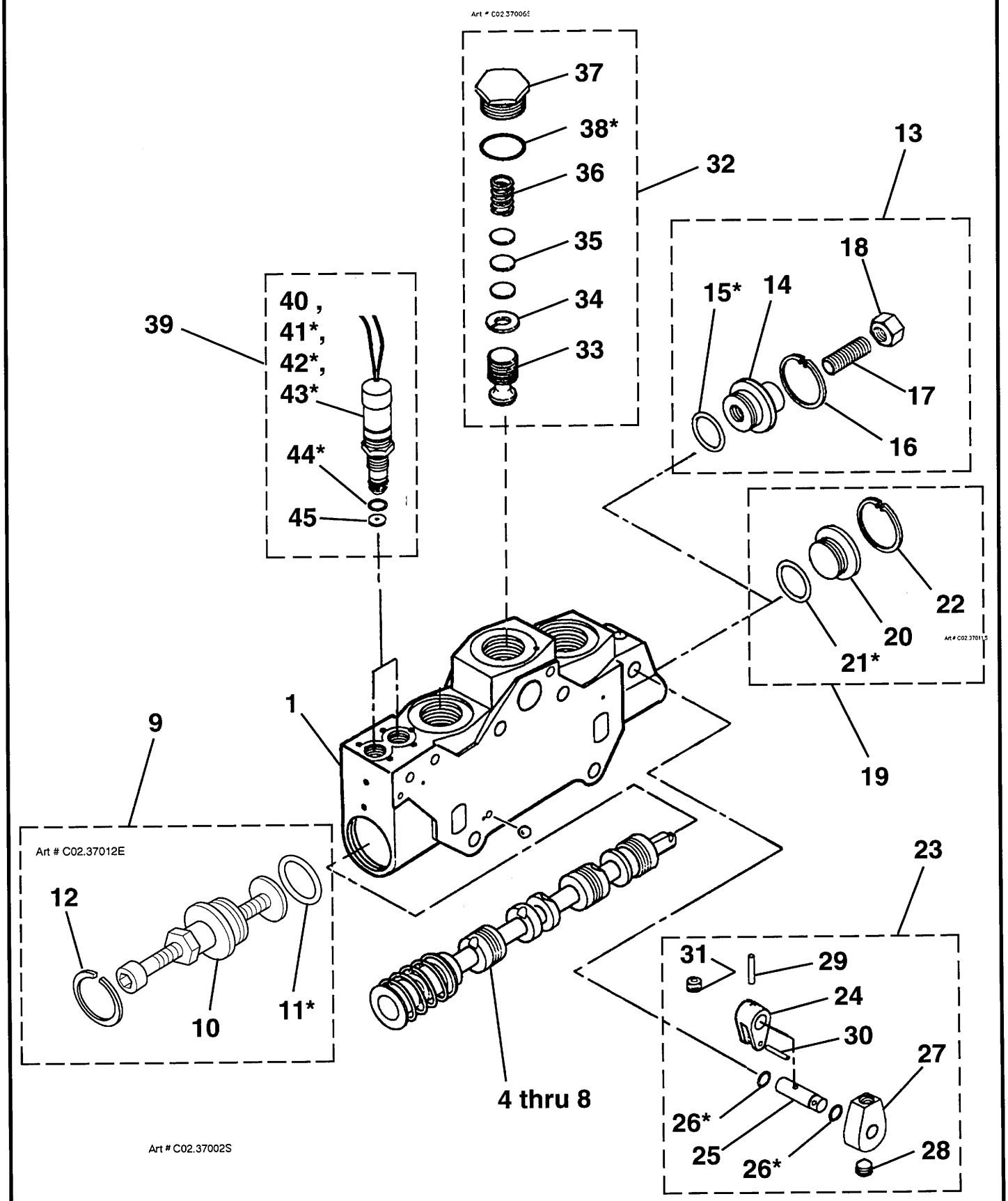
TITLE	4-WAY, 2 POSITION SOLENOID VALVE		
SIMON AERIALS INC. NEW 06/24/91	PART NO. 01-061900	PLATE NO. D13.05	

PARTS LIST

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

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

PLATE NO.			PART NO.
D13.06	**SIMON AERIALS INC.**	REV. 16 FEB., 1996	



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

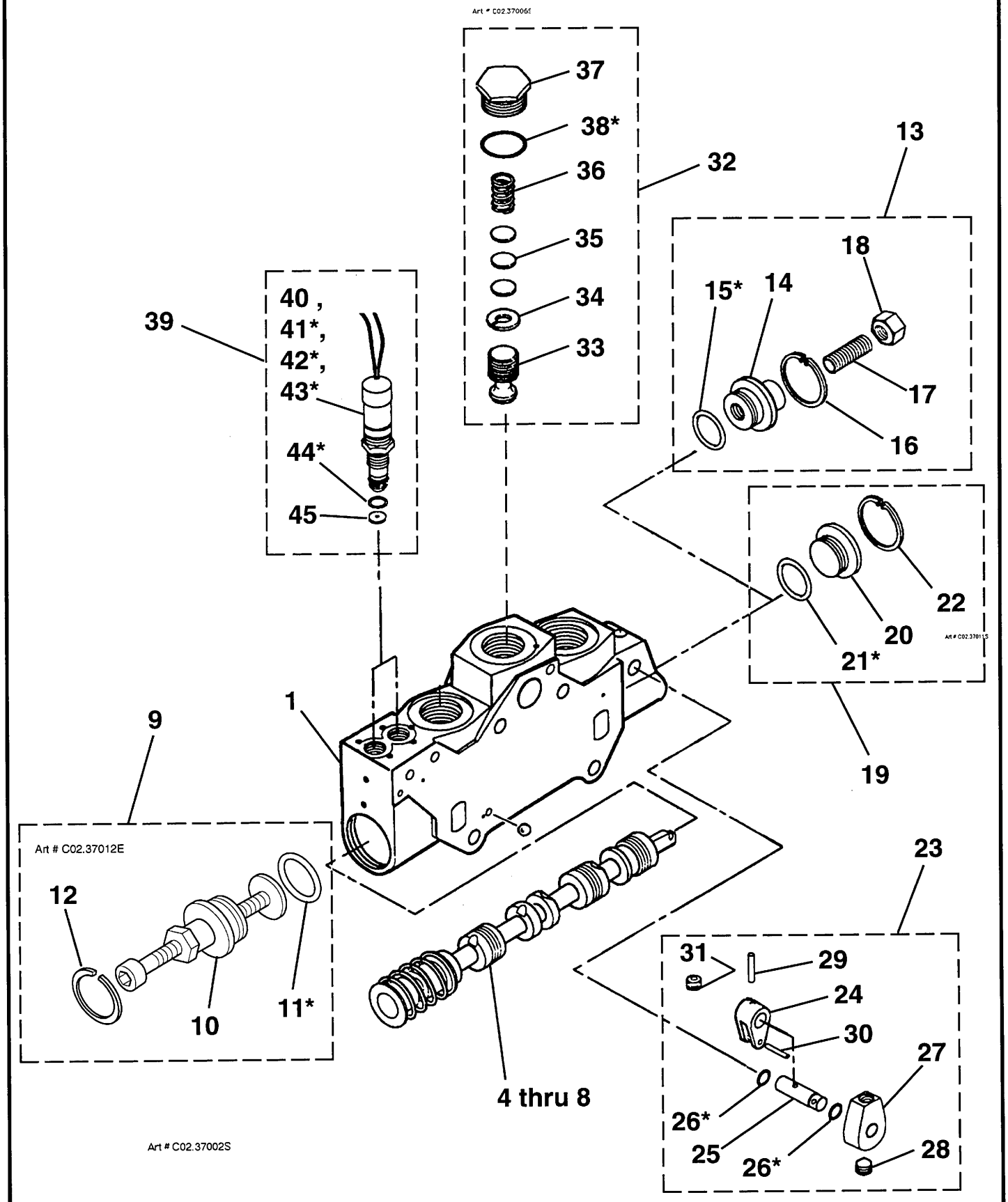
SIMON AERIALS INC.	REV. 16 FEB., 1996	PART NO.	PLATE NO. D13.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23			MANUAL OPERATOR KIT	1
	01-211025		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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		for **first type** valve bank assemblies (MP series only)	
	Call Simon		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		for **first type** valve bank assemblies (MP series only)	
	Call Simon		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.



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

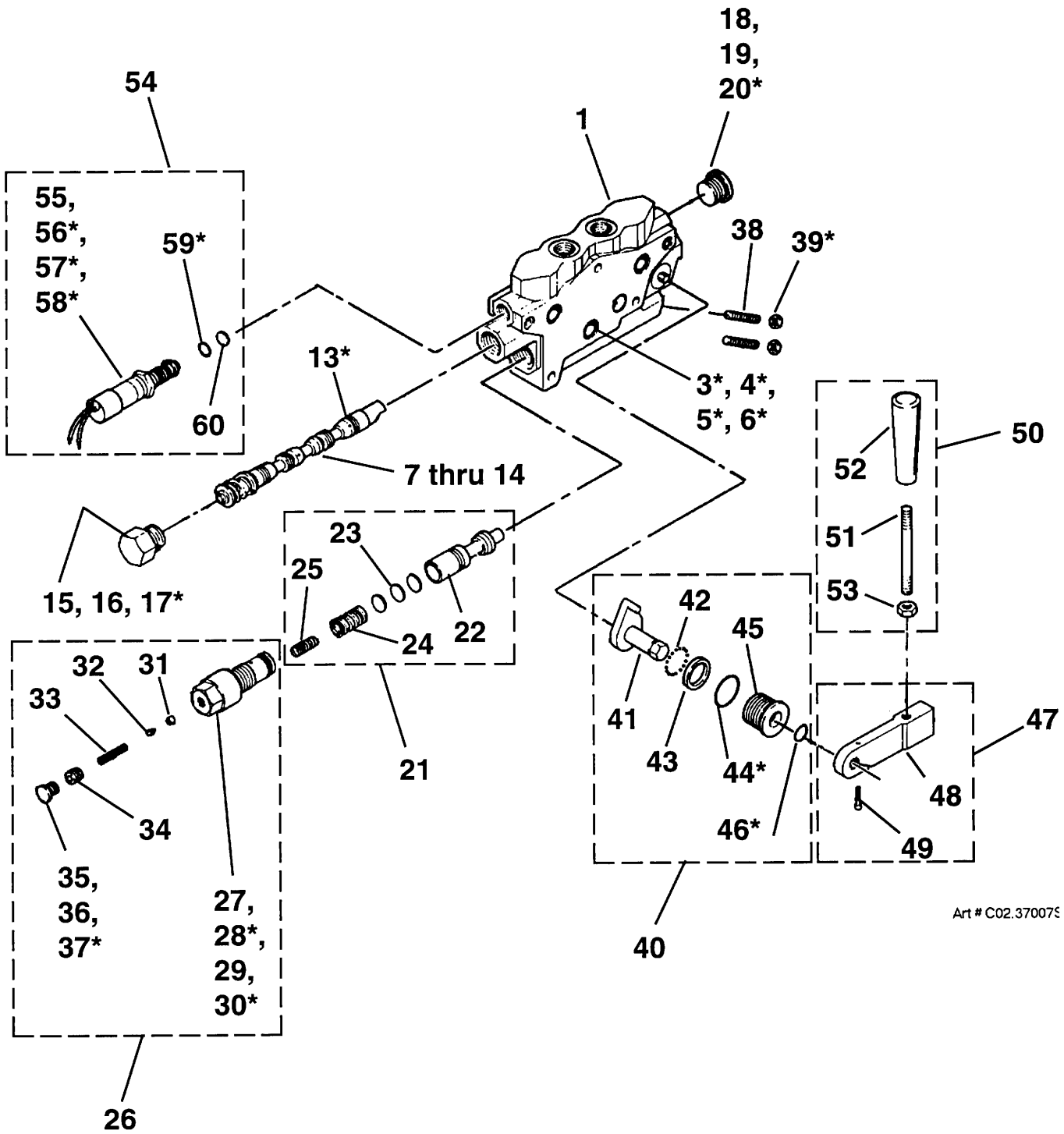
SIMON AERIALS INC.	REV. 16 FEB., 1996	PART NO.	PLATE NO. D13.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			TELESCOPE VALVE SECTION	1
	01-231204		for Model RP 66	
	Call Simon		for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
1			HOUSING, TELESCOPE VALVE SECTION	1
2			SEAL KIT, WORK SEGMENT	1
	01-211004		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
			SEAL KIT, WORK SEGMENT . . . includes;	
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
			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			PLUG, HEX	1
	01-211013		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	01-211009		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
19			PLUG	1
20		*	"O"-RING	1

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

PLATE NO.			PART NO.
D13.07	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



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

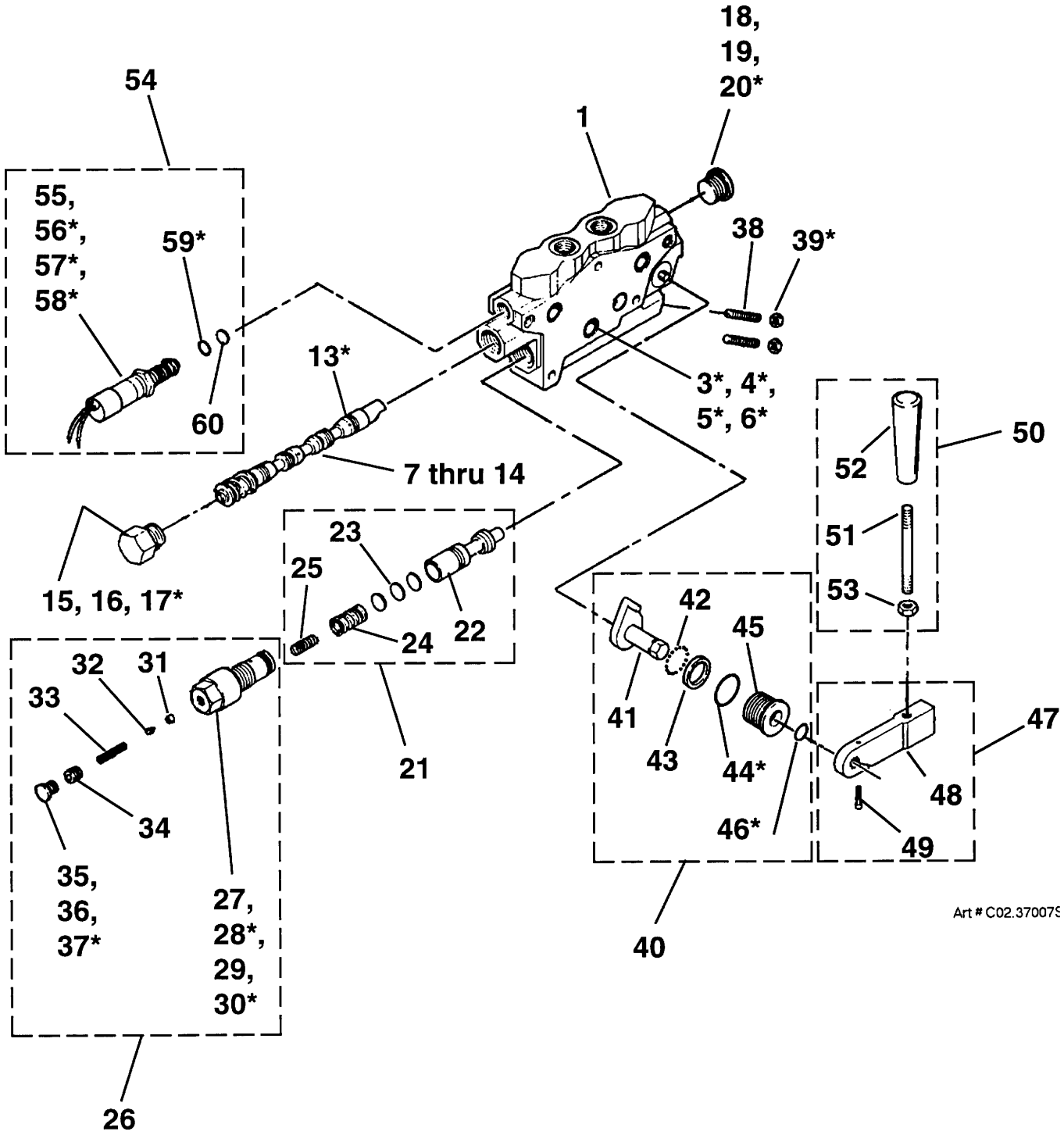
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21			SPOOL KIT, COMPENSATOR	1
	Call Simon		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			CARTRIDGE KIT, PRESSURE LIMITER	1
	01-211016		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			SET SCREW	2
	01-211010		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
39		*	NUT, SEAL	2
	01-211011		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
40			HANDLE SHAFT KIT	1
	01-211008		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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.		PART NO.
D13.07	**SIMON AERIALS INC.** REV. 26 JUL., 1994	



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

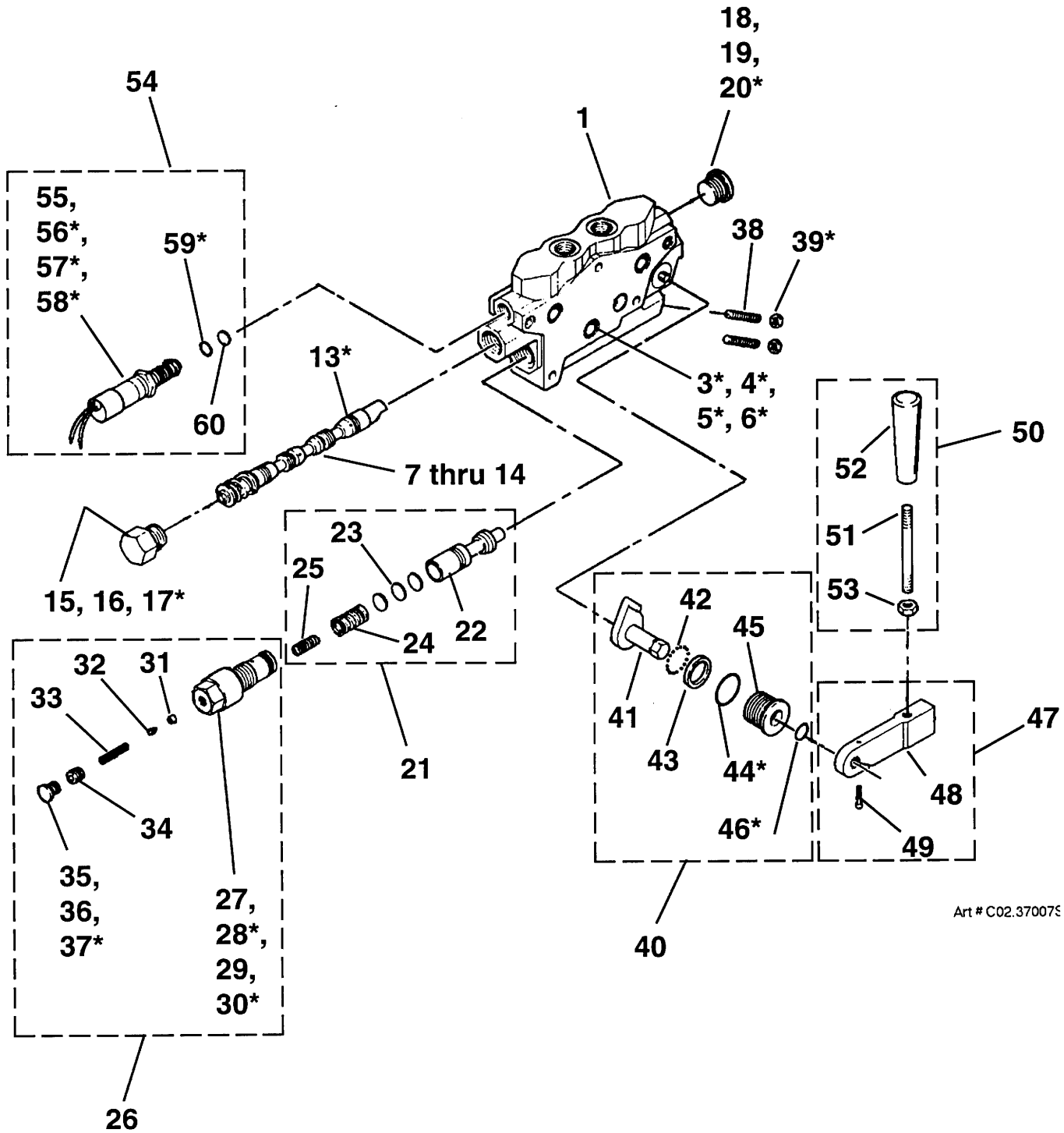
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47			OPERATOR LINKAGE KIT (fixed)	1
	01-211014		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
48			ADAPTER, HANDLE	1
49			CAP SCREW	1
50			HANDLE KIT	1
	01-211003		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
51			ROD, HANDLE	1
52			KNOB	1
53			NUT, JAM	1
54			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
55			SOLENOID, PULSAR (12 Volt)	1
56		*	"O"-RING	1
57		*	SCREEN, SOLENOID FILTER	1
58		*	"O"-RING (special)	2
59		*	"O"-RING	2
60			PLATE, ORIFICE	1

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

PLATE NO.			PART NO.
D13.07	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



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

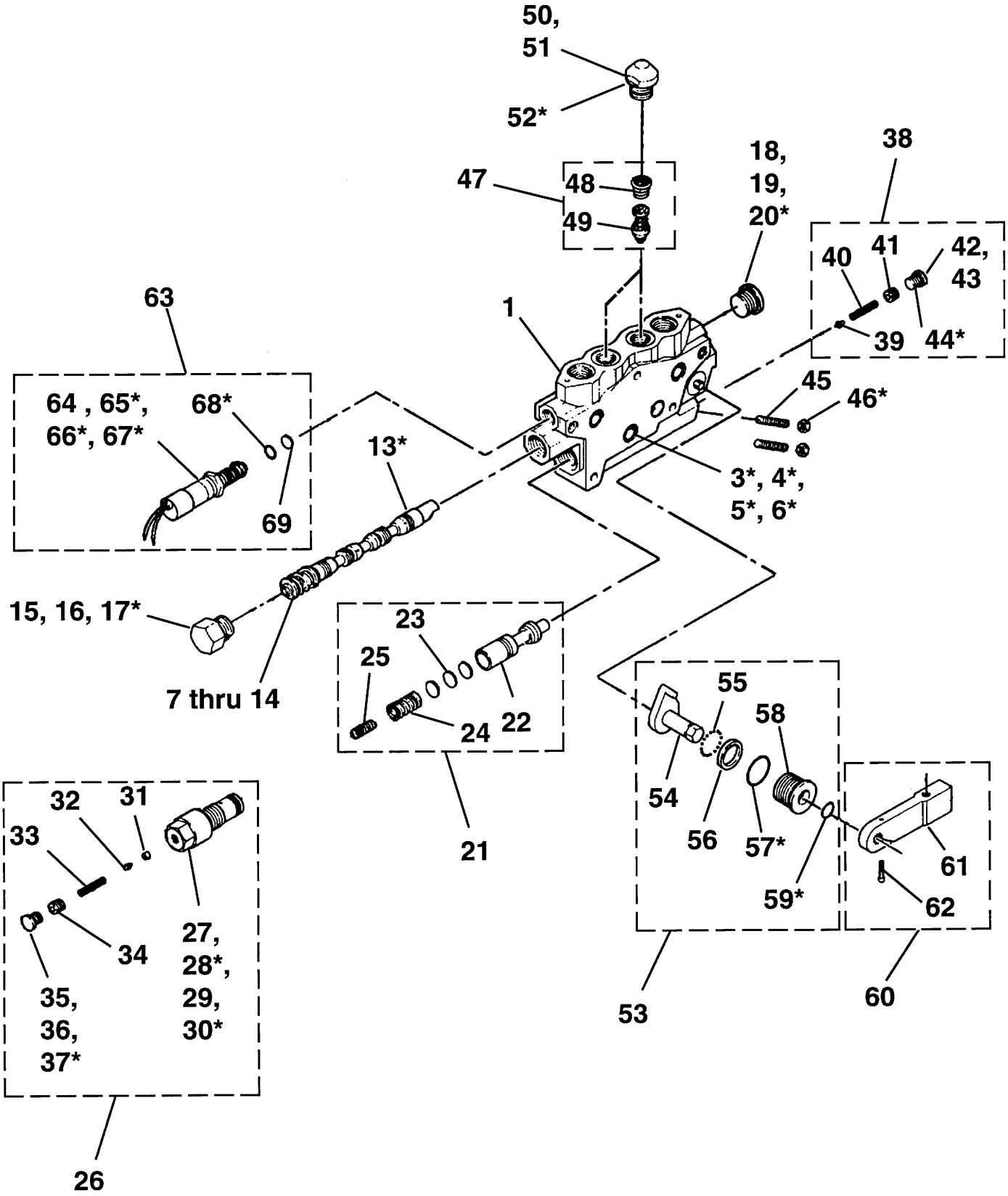
SIMON AERIALS INC. REV. 26 JUL., 1994 | PART NO. | PLATE NO. D13.07

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.	
			STEER VALVE SECTION	1
	Call Simon		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
1			HOUSING, STEER VALVE SECTION	1
2			SEAL KIT, WORK SEGMENT	1
	01-211004		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
			SEAL KIT, WORK SEGMENT . . . includes;	
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
			plus all items below marked with an asterisk (*)	
7			SPOOL KIT, STEER VALVE	1
	Call Simon		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			PLUG, HEX	1
	01-211013		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	Call Simon		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
19			PLUG	1
20		*	"O"-RING	1

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

PLATE NO.			PART NO.
D13.08	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



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

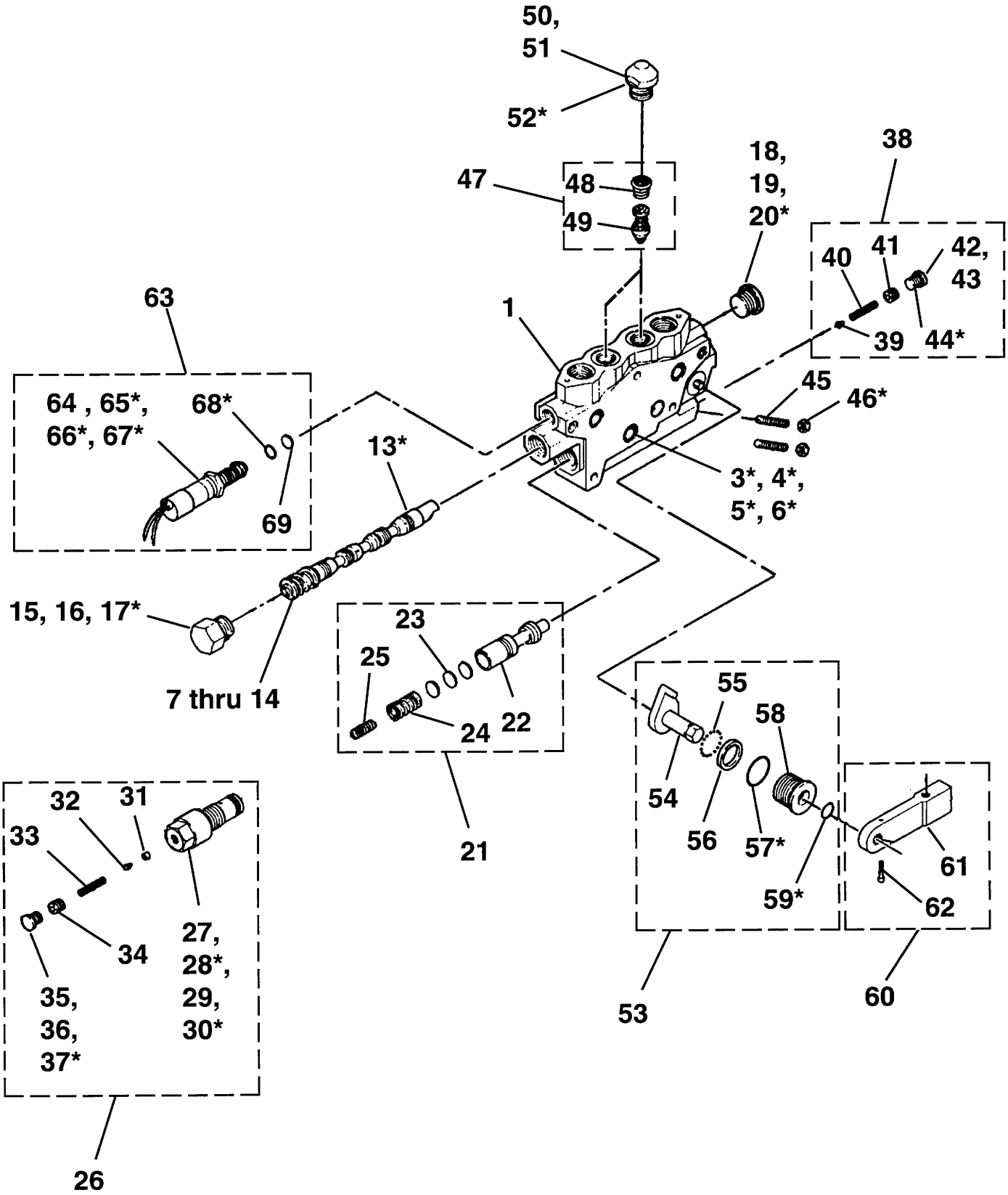
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21			SPOOL KIT, COMPENSATOR	1
	01-211012		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			CARTRIDGE KIT, PRESSURE LIMITER	1
	01-211006		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			PRESSURE LIMITER KIT	1
	01-211005		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			SET SCREW	2
	01-211010		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
46		*	NUT, SEAL	2
	01-211011		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	

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

PLATE NO.			PART NO.
D13.08	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



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

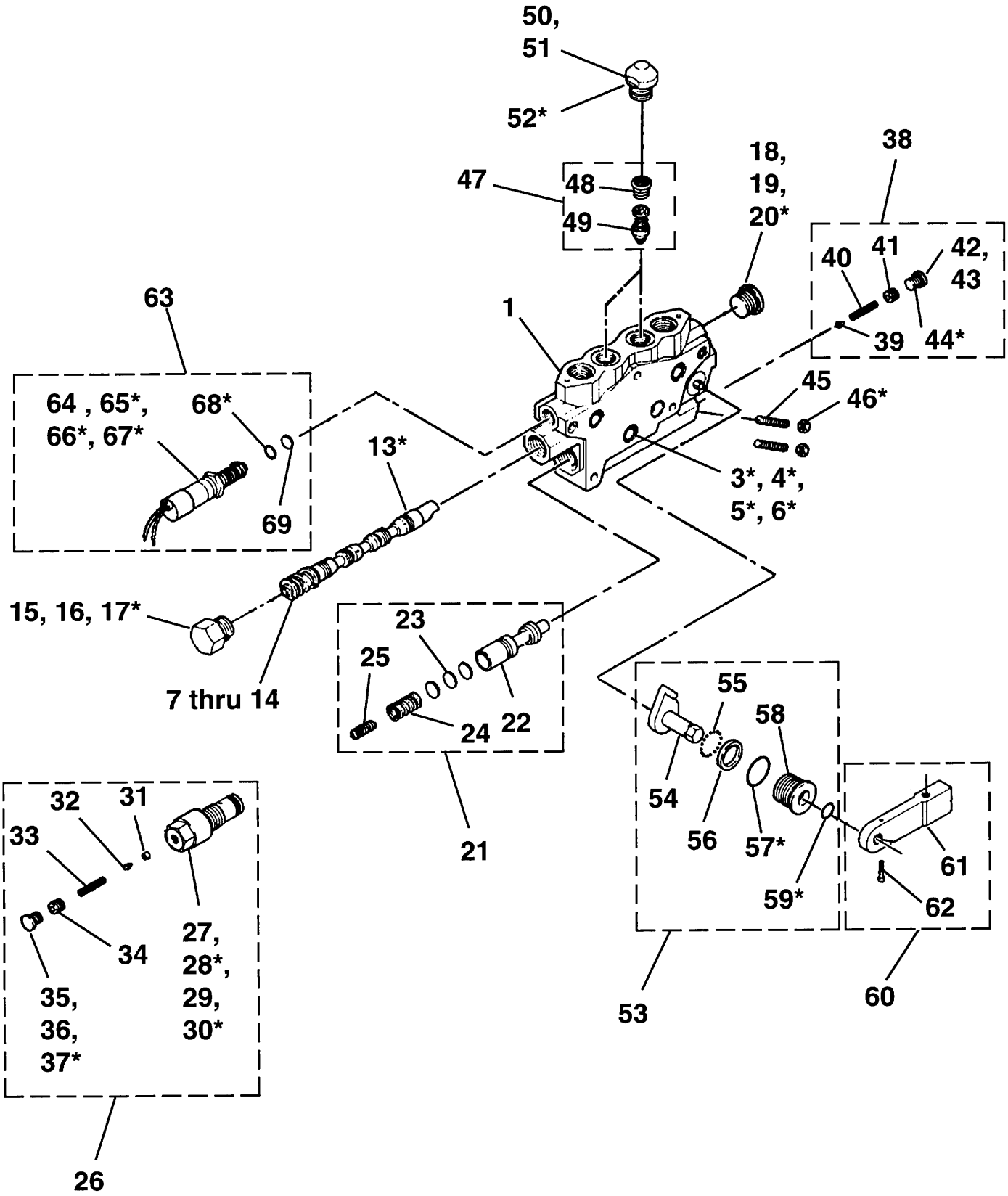
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47			RELIEF KIT (with anti-cavitation valve)	2
	01-211007		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
48			CARTRIDGE ASSEMBLY	1
49			SPRING	1
50			PLUG, WORK PORT	1
	Call Simon		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
51			PLUG	1
52		*	"O"-RING	1
53			HANDLE SHAFT KIT	1
	01-211008		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			OPERATOR LINKAGE KIT (fixed)	1
	01-211014		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
61			ADAPTER, HANDLE	1
62			CAP SCREW	1
63			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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.			PART NO.
D13.08	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



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

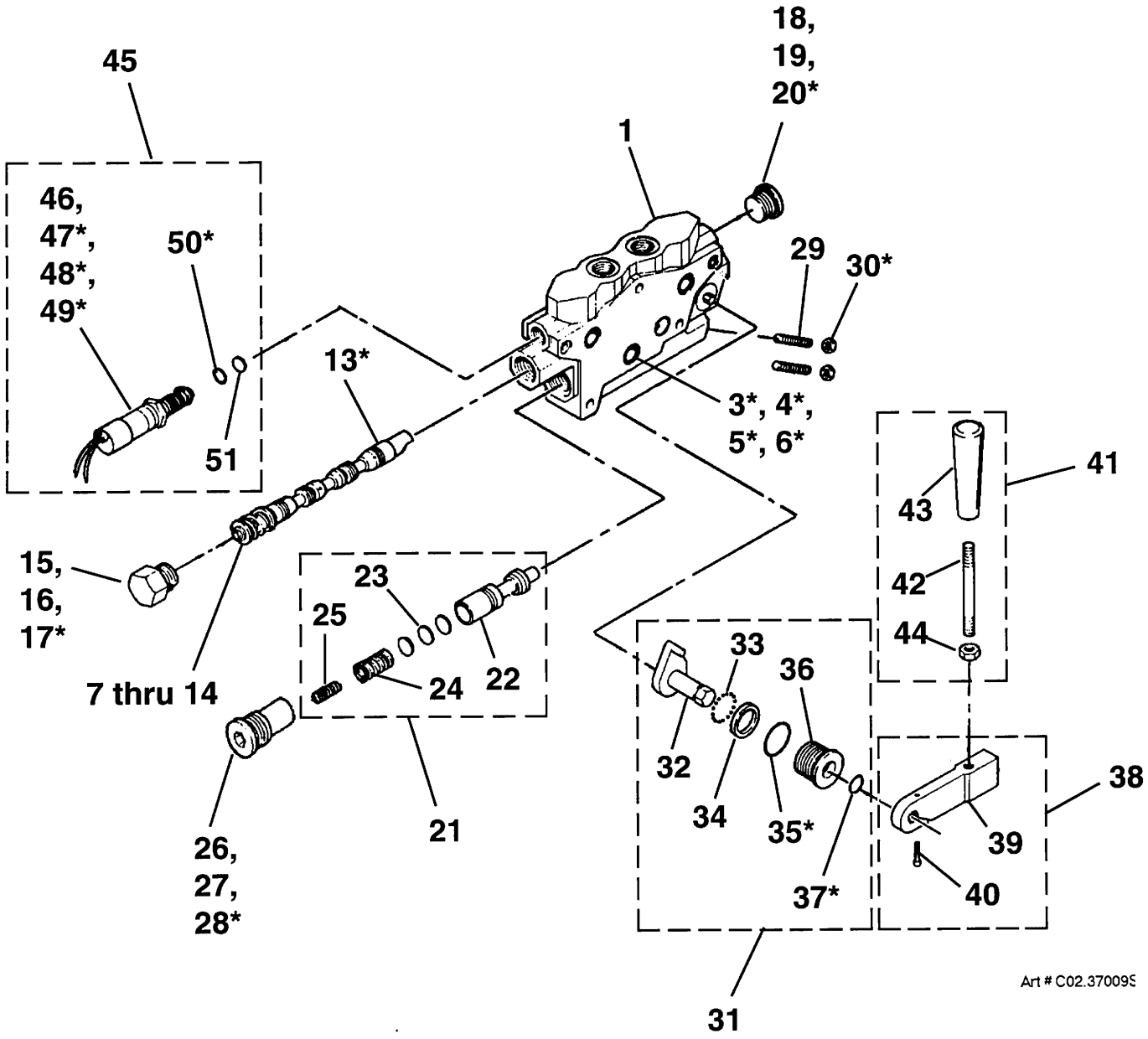
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BOOM RAISE/ LOWER VALVE SECTION	1
	01-231205		for Model RP 66 **main** boom	
	01-231203		for Model RP 66 **jib** boom	
	Call Simon		for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
1			HOUSING, BOOM RAISE/ LOWER VALVE SECTION	1
2			SEAL KIT, WORK SEGMENT . . . includes;	1
	01-211004		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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
			plus all items below marked with an asterisk (*)	
7			SPOOL KIT, BOOM RAISE/ LOWER VALVE	1
	01-210901		For Model MP 95 or MP 110 (6.5 Gal/ Min [24.6 Liter/ Min])	1
	Call Simon		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.	
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			PLUG, HEX	1
	01-211013		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	01-211009		for **first type** valve bank assemblies (MP series only)	
	Call Simon		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.			PART NO.
D13.09	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



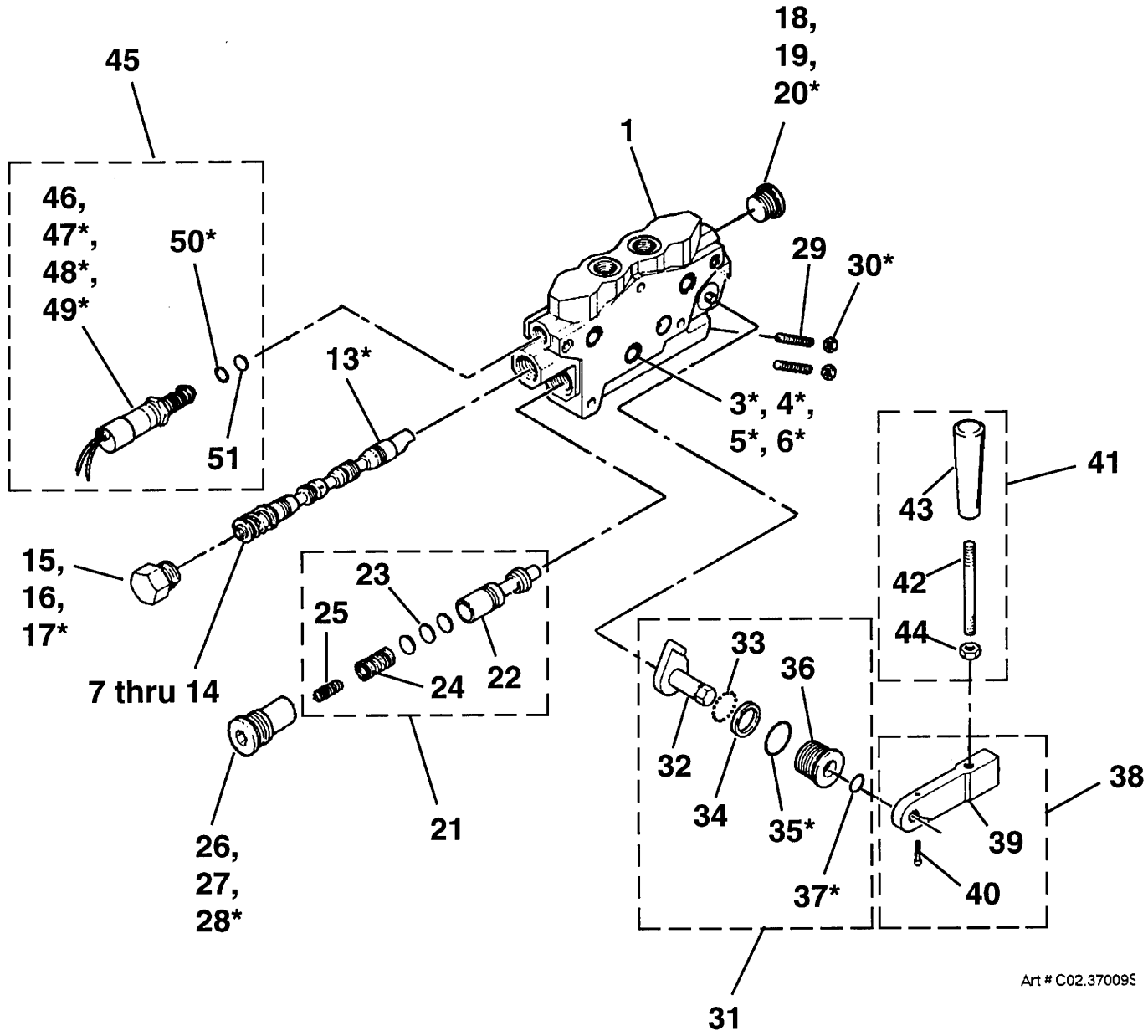
TITLE	BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21			SPOOL KIT, COMPENSATOR	1
	01-211012		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			PLUG, COMPENSATOR	1
	01-211015		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
27			PLUG	1
28		*	"O"-RING	1
29			SET SCREW	2
	01-211010		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
30		*	NUT, SEAL	2
	01-211011		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
31			HANDLE SHAFT KIT	1
	01-211008		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			OPERATOR LINKAGE KIT (fixed)	1
	01-211014		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
39			ADAPTER, HANDLE	1
40			CAP SCREW	1
41			HANDLE KIT	1
	01-211003		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
42			ROD, HANDLE	1
43			KNOB	1
44			NUT, JAM	1

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

PLATE NO.			PART NO.
D13.09	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



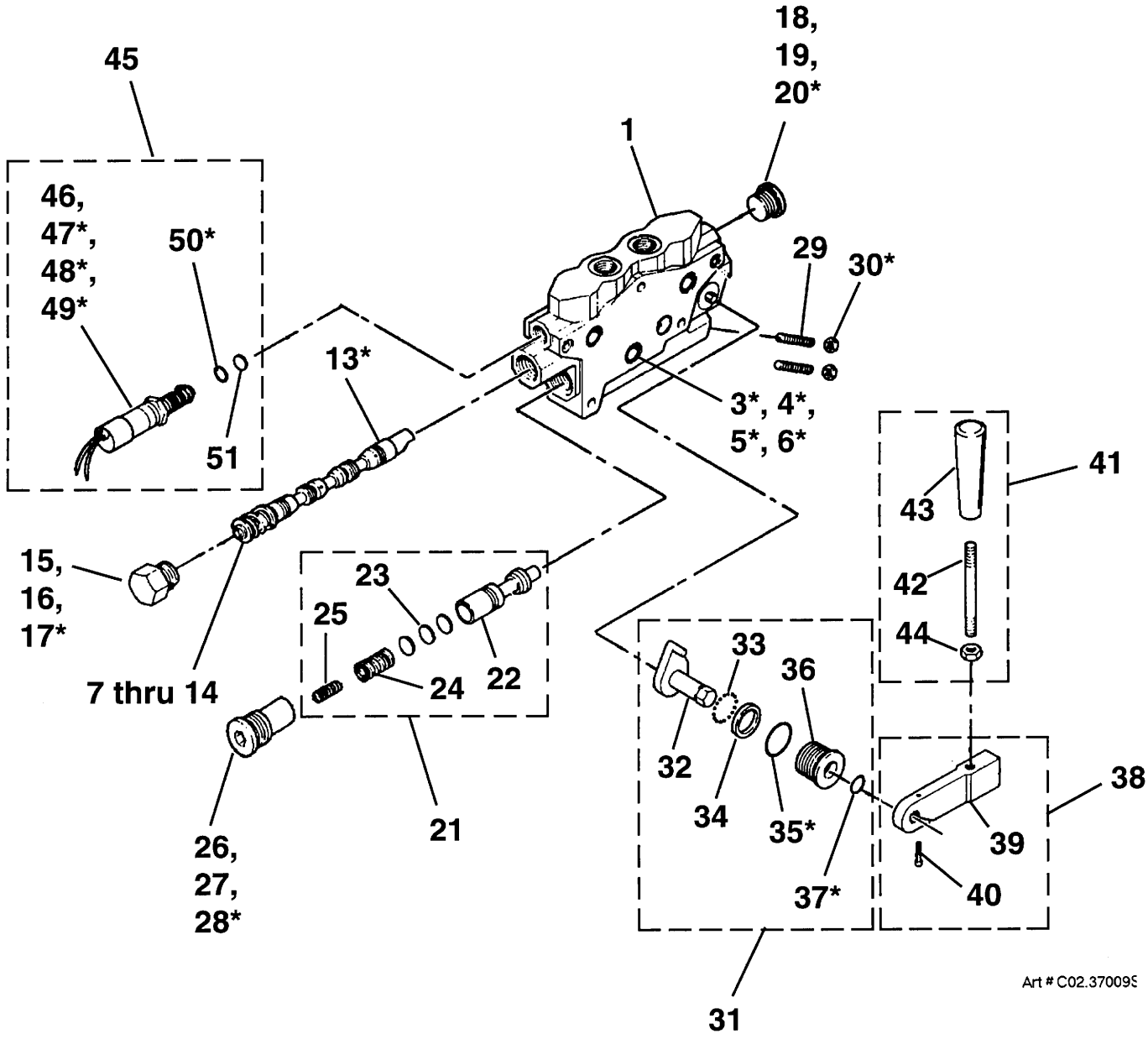
TITLE	BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)		
SIMON AERIALS INC. REV. 26 JUL., 1994		PART NO.	PLATE NO. D13.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
45			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
46			SOLENOID, PULSAR (12 Volt)	1
47		*	"O"-RING	1
48		*	SCREEN, SOLENOID FILTER	1
49		*	"O"-RING (special)	2
50		*	"O"-RING	2
51			PLATE, ORIFICE	1

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

PLATE NO.			PART NO.
D13.09	**SIMON AERIALS INC.**	REV. 26 JUL., 1994	



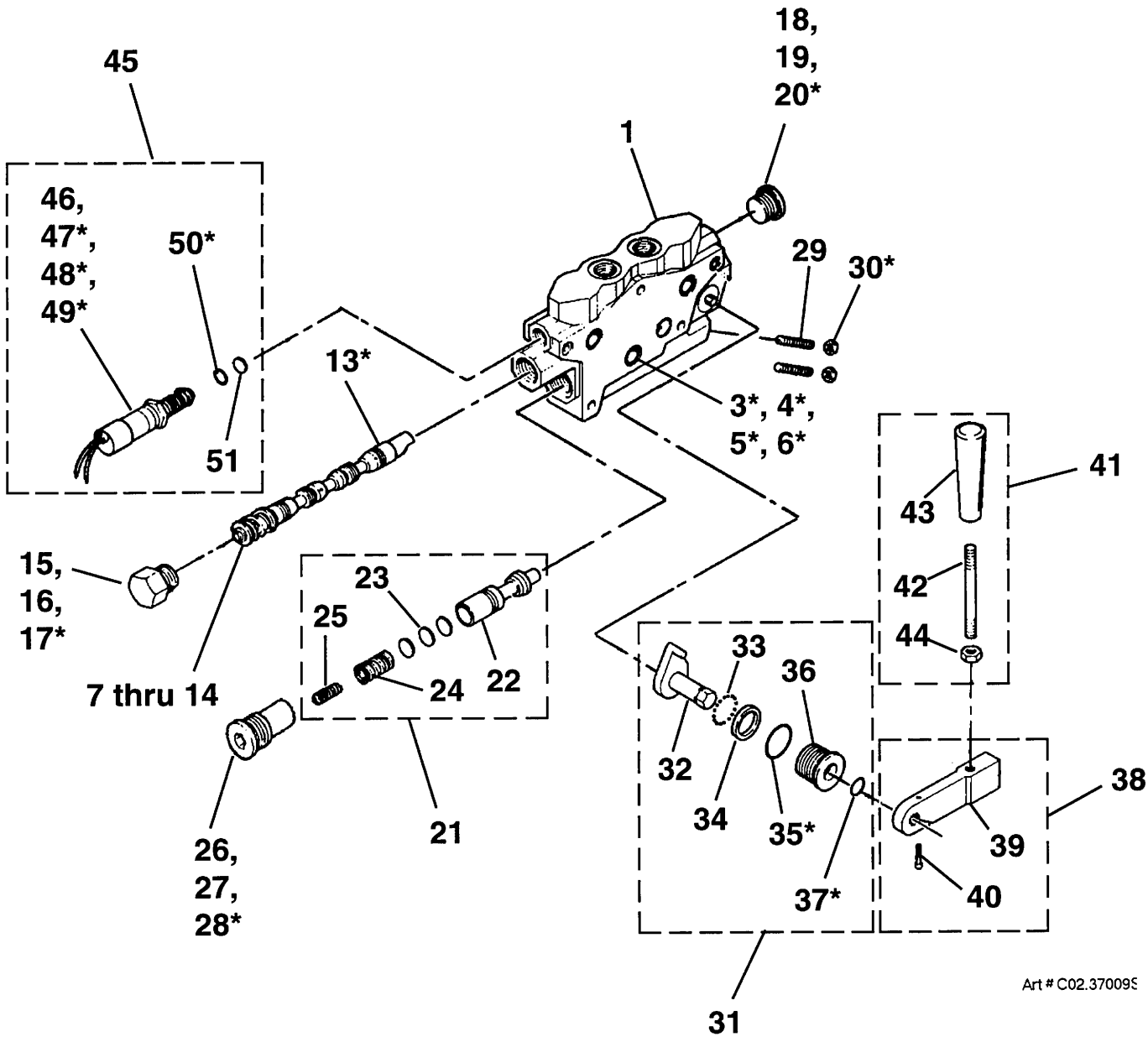
TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)			
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SWING VALVE SECTION	1
	01-231206		for Model RP 66	
	Call Simon		for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
1			HOUSING, SWING VALVE SECTION	1
2			SEAL KIT, WORK SEGMENT . . . includes;	1
	01-211004		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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
			plus all items below marked with an asterisk (*)	
7	Call Simon		SPOOL KIT, SWING VALVE	1
			Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
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			PLUG, HEX	1
	01-211013		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	01-211009		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
19			PLUG	1
20		*	"O"-RING	1

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

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



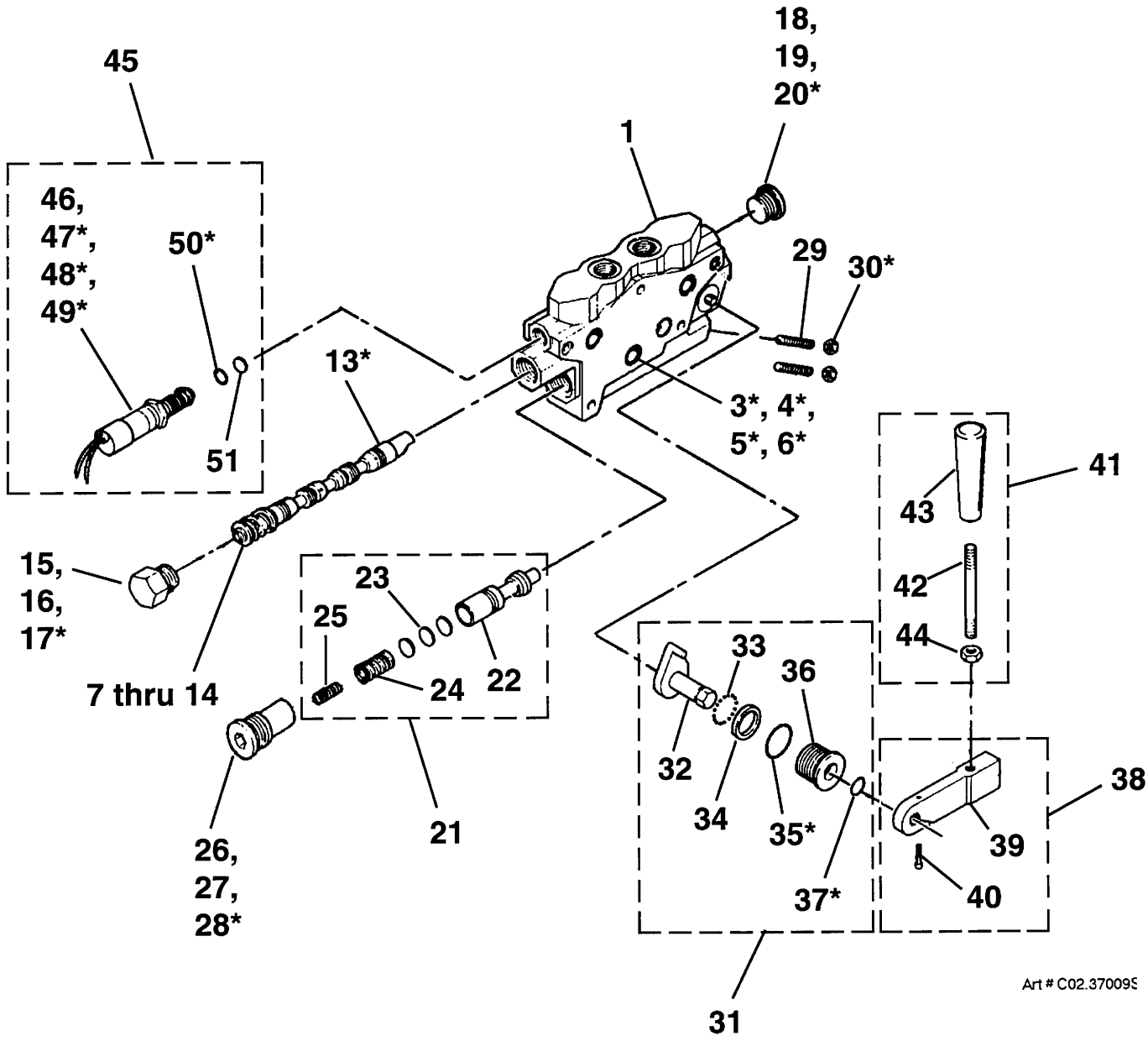
TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (1 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21			SPOOL KIT, COMPENSATOR	1
	01-211012		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			PLUG, COMPENSATOR	1
	01-211015		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
27			PLUG	1
28		*	"O"-RING	1
29			SET SCREW	2
	01-211010		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
30		*	NUT, SEAL	2
	01-211011		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
31			HANDLE SHAFT KIT	1
	01-211008		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
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			OPERATOR LINKAGE KIT (fixed)	1
	01-211014		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
39			ADAPTER, HANDLE	1
40			CAP SCREW	1
41			HANDLE KIT	1
	01-211003		for **first type** valve bank assemblies (MP series only)	
	Call Simon		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.** REV. 26 JUL., 1994 | PART NO.



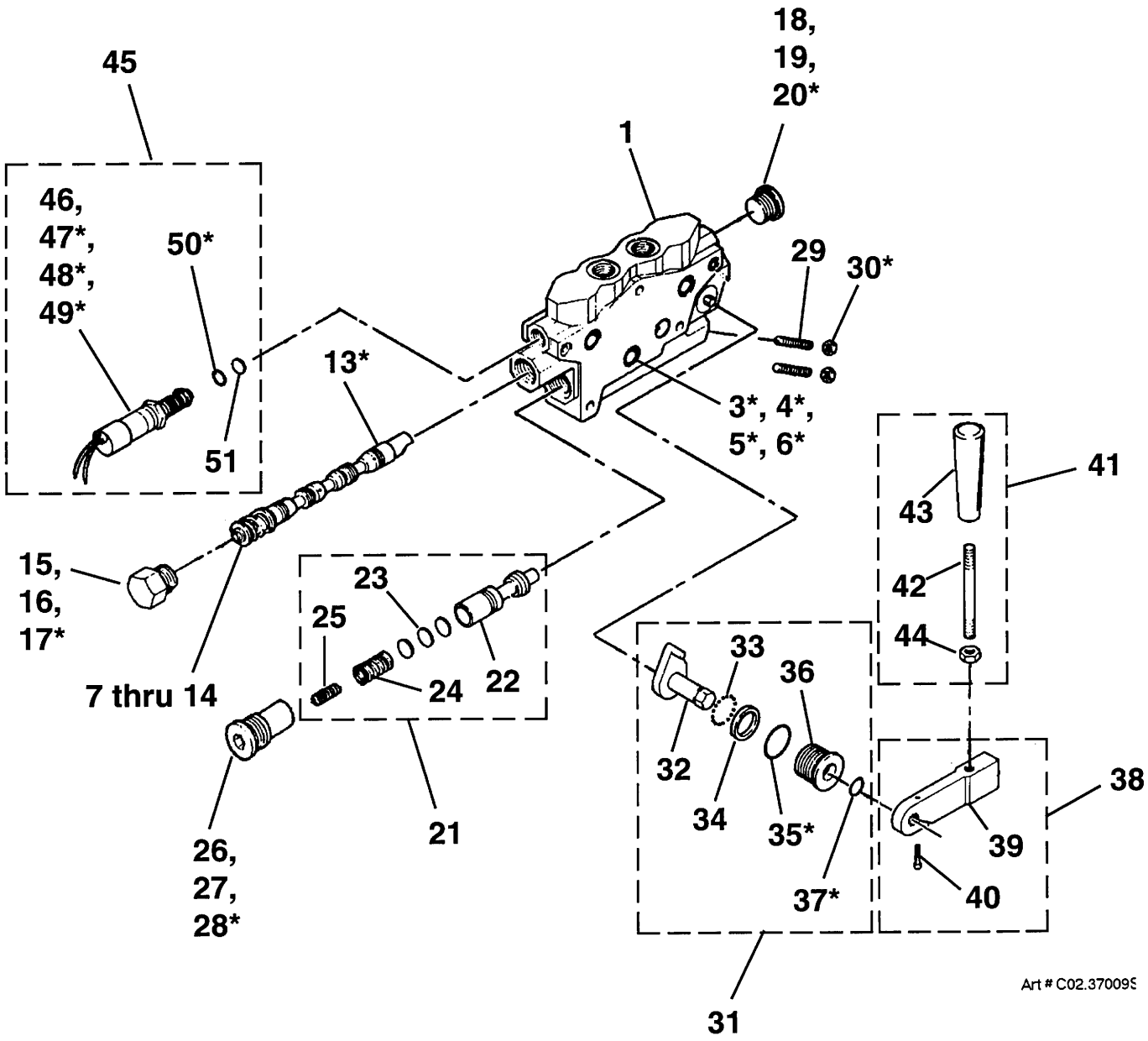
TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (2 OF 3)		
SIMON AERIALS INC. REV. 26 JUL., 1994		PART NO.	PLATE NO. D13.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
45			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001		for **first type** valve bank assemblies (MP series only)	
	Call Simon		for **second type MP** and **all RP** valve bank assemblies	
46			SOLENOID, PULSAR (12 Volt)	1
47		*	"O"-RING	1
48		*	SCREEN, SOLENOID FILTER	1
49		*	"O"-RING (special)	2
50		*	"O"-RING	2
51			PLATE, ORIFICE	1

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.

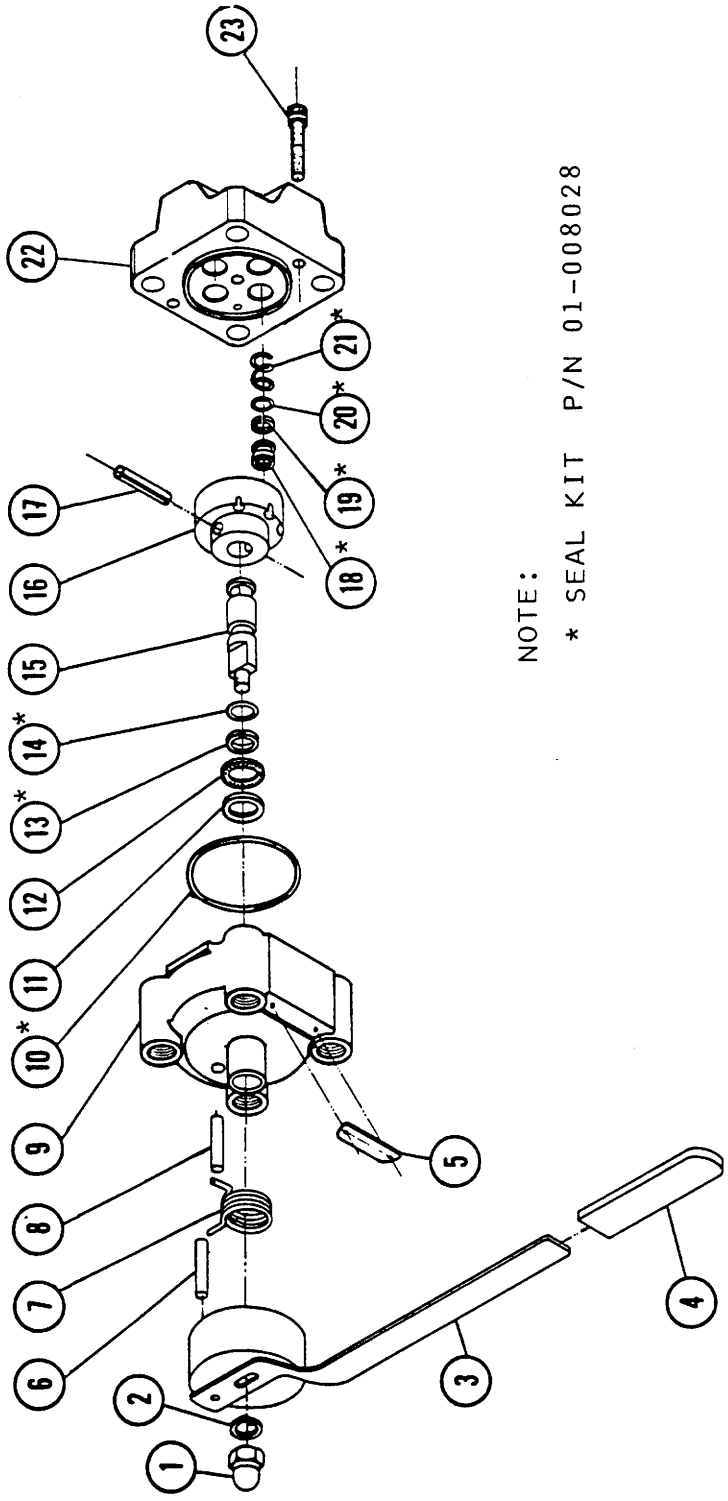


TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (3 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.10

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			ACORN NUT	1
2			LOCKWASHER	1
3	01-008001		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	01-008007		THRUST WASHER	1
12	01-008006		THRUST BEARING	1
13*			SHAFT BACKUP RING	1
14*			SHAFT 'O' RING	1
15	01-008004		SHAFT	1
16	01-008005		ROTOR	1
17			ROTOR ROLL PIN	1
18*			SEAL	3
19*			BACK-UP RING	3
20*	01-008006		'O' RING	3
21*			SPRING	3
22			BODY	1
23			CAP SCREW	4
*	1-008028		SEAL KIT	1

DESCRIPTION	PART NO.
4-WAY MANUAL VALVE	01-008000



NOTE:
* SEAL KIT P/N 01-008028

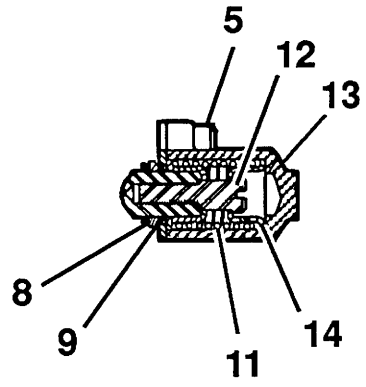
1283/0677

DESCRIPTION	PART NO.
4-WAY MANUAL VALVE	01-008000

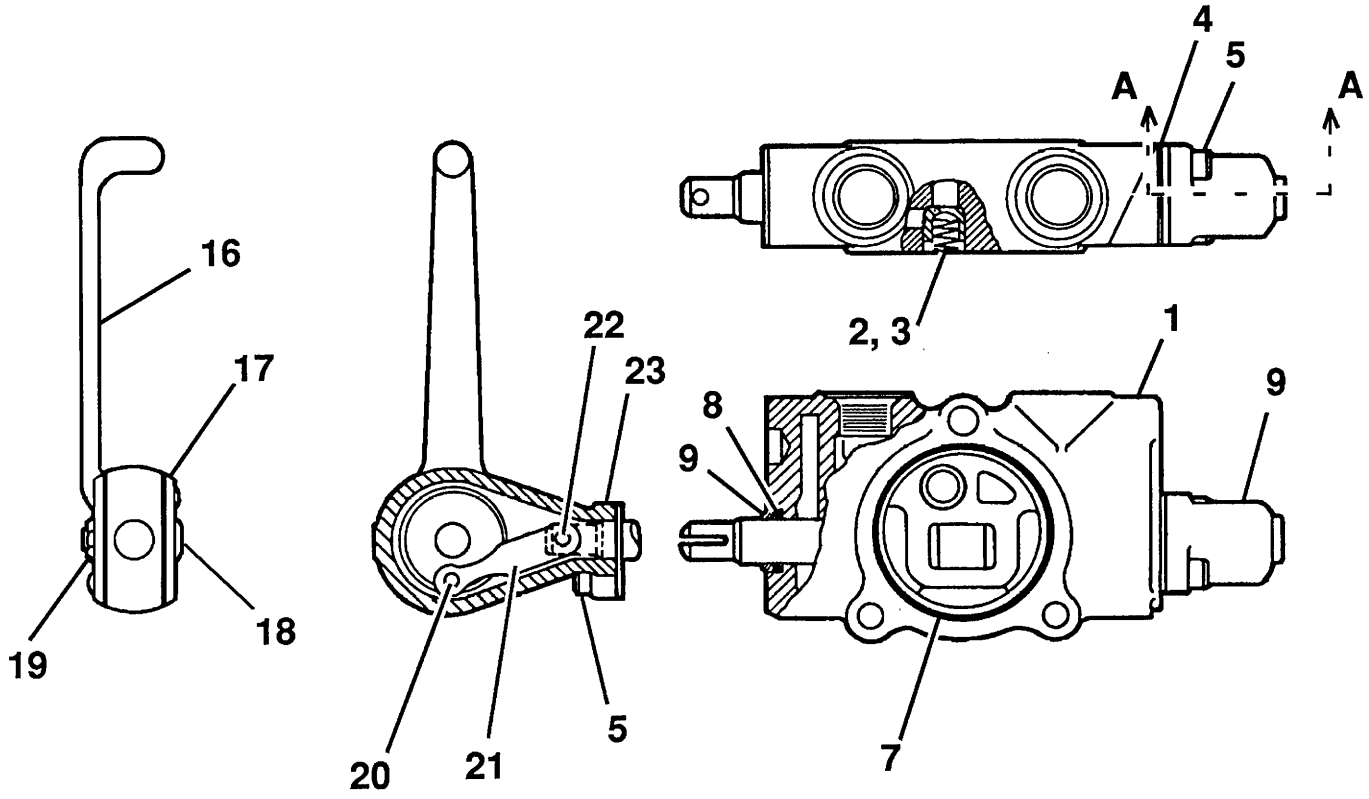
PARTS LIST

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"

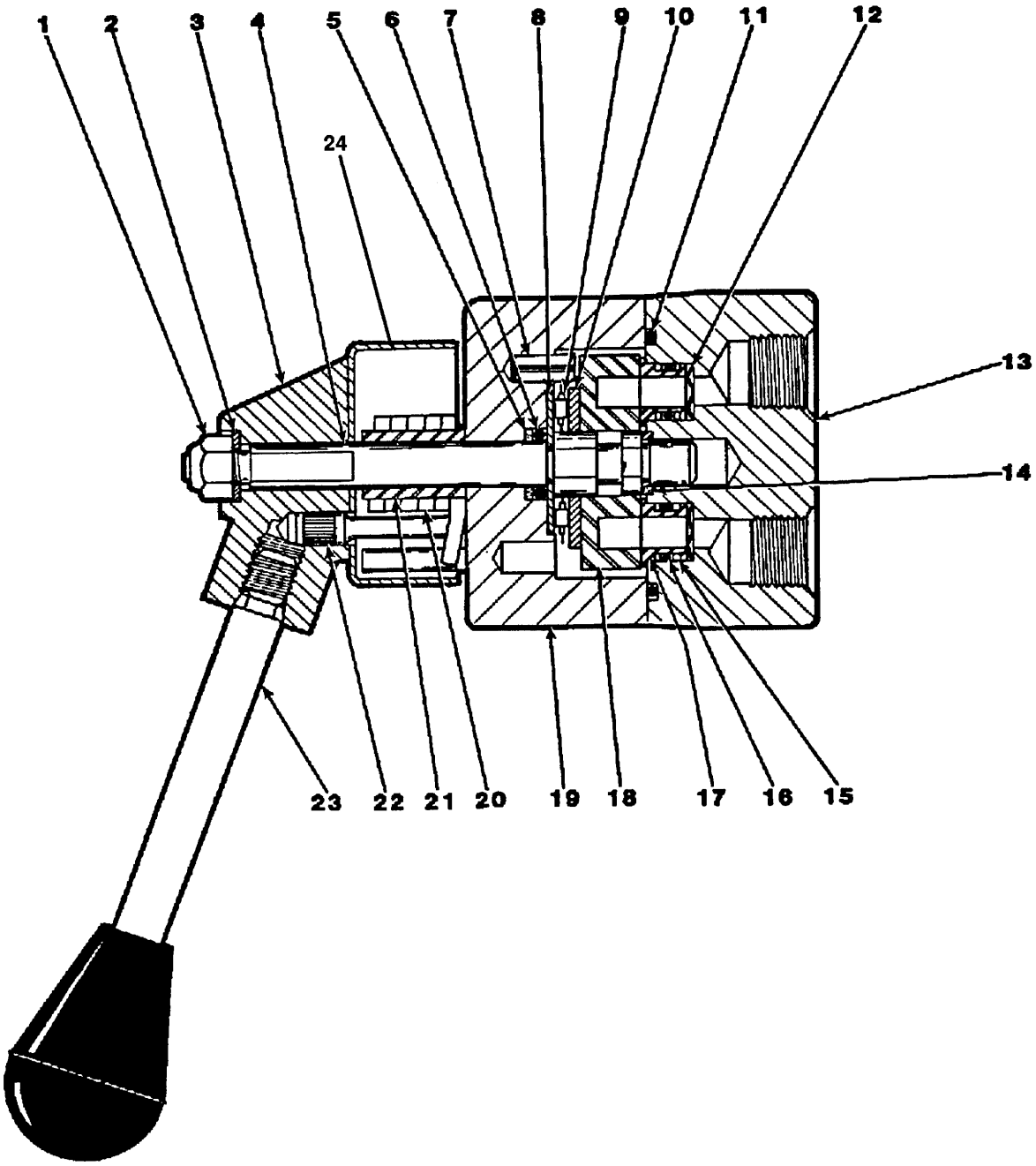


TITLE	4-WAY MANUAL VALVE, MOTORING SPOOL		
SIMON AERIALS INC. REV. 26 APR., 1993		PART NO. 01-067701	PLATE NO. D14.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-069802		NUT, LOCK (1/4"-28)	1
2	01-069803		WASHER, HANDLE	1
3	01-069801		HANDLE ASSEMBLY (includes Handle, item 23)	1
4	01-069804		SHAFT, VALVE HANDLE	1
5	01-069805		RING, BACK-UP	1
6	01-069806		"O"-RING	1
7	01-069807		PIN, ROLL	2
8	01-069808		RACE, BEARING	1
9	01-069809		BEARING, THRUST	1
10	01-069810		PLATE, STOP	1
11	01-069811		"O"-RING	1
12	01-069812		SPRING, SEAL	
13	01-069901		BODY, VALVE	1
14	01-069814		WASHER, SHAFT	1
15	01-069815		RING, BACK-UP	4
16	01-069816		"O"-RING	2
17	01-069817		SEAL	2
18	01-069902		DISK ASSEMBLY	1
19	01-069819		CAP	1
20	01-069820		SPRING	1
21	01-069821		BUSHING	1
22	01-069822		PIN (5/16" diameter)	1
	01-069824		PIN (3/8" diameter)	1
23			HANDLE (comes with Handle Assembly, item 3)	1
24	01-069823		HUB ASSEMBLY	1

TITLE	4-WAY MANUAL CONTROL VALVE			
PLATE NO.	D14.03	**SIMON AERIALS INC.**	REV. 26 APR., 1993	PART NO. 01-069900



1086/1286

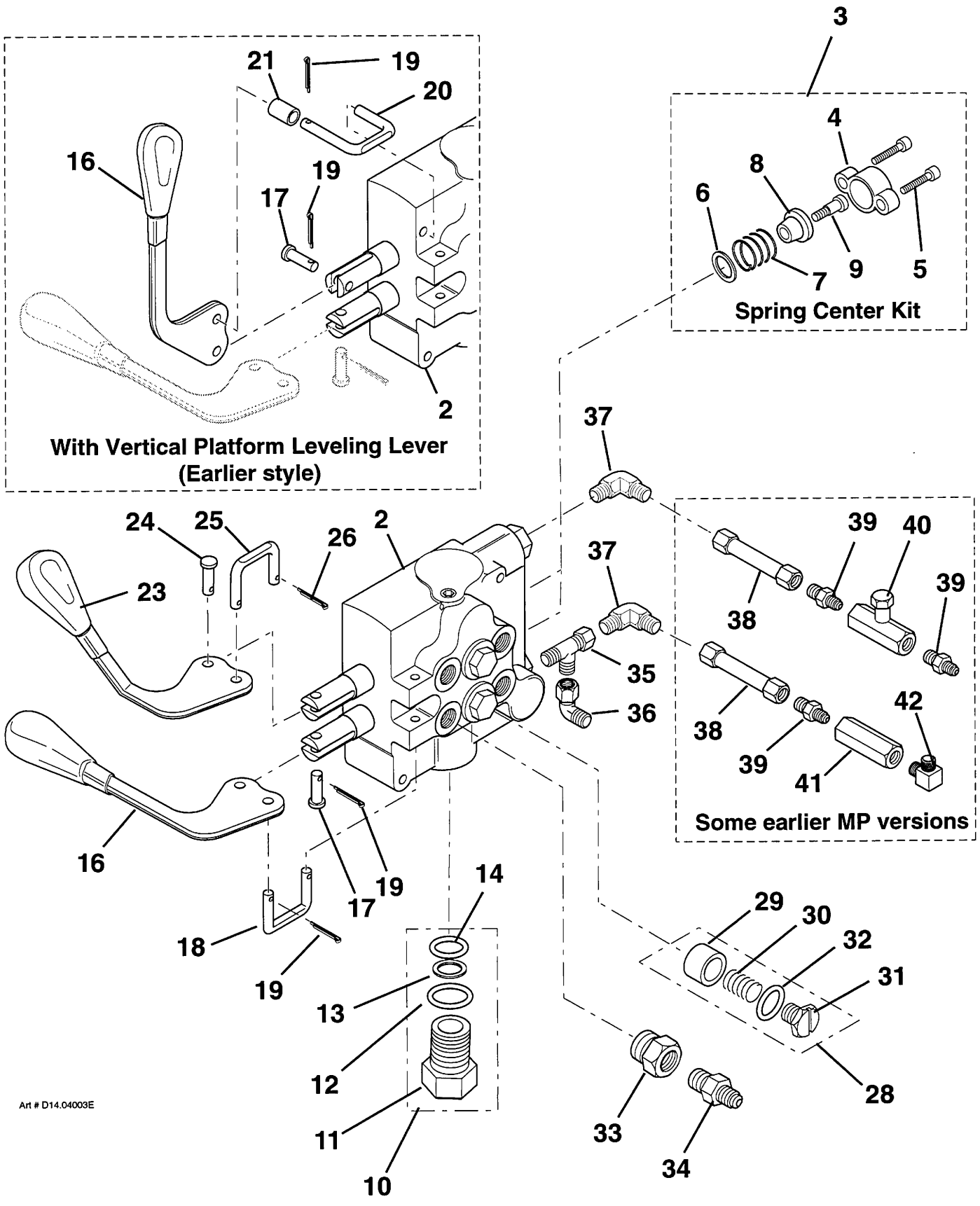
TITLE	4-WAY MANUAL CONTROL VALVE	
SIMON AERIALS INC. REV. 26 APR., 1993	PART NO. 01-069900	PLATE NO. D14.03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL	1
	352 4590		for MP Series **except MP 110**	
	352 4590		for RP "Reach Plus" **except RP 120**	
			for Model **MP 110, RP 120** "Reach Plus", or Trailblazer **40:**	
	353 0750		Early style (Platform leveling lever is **mounted vertically**)	
	353 1480		Later style (Platform leveling lever is **bent 45° upward**)	
	353 3920		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)

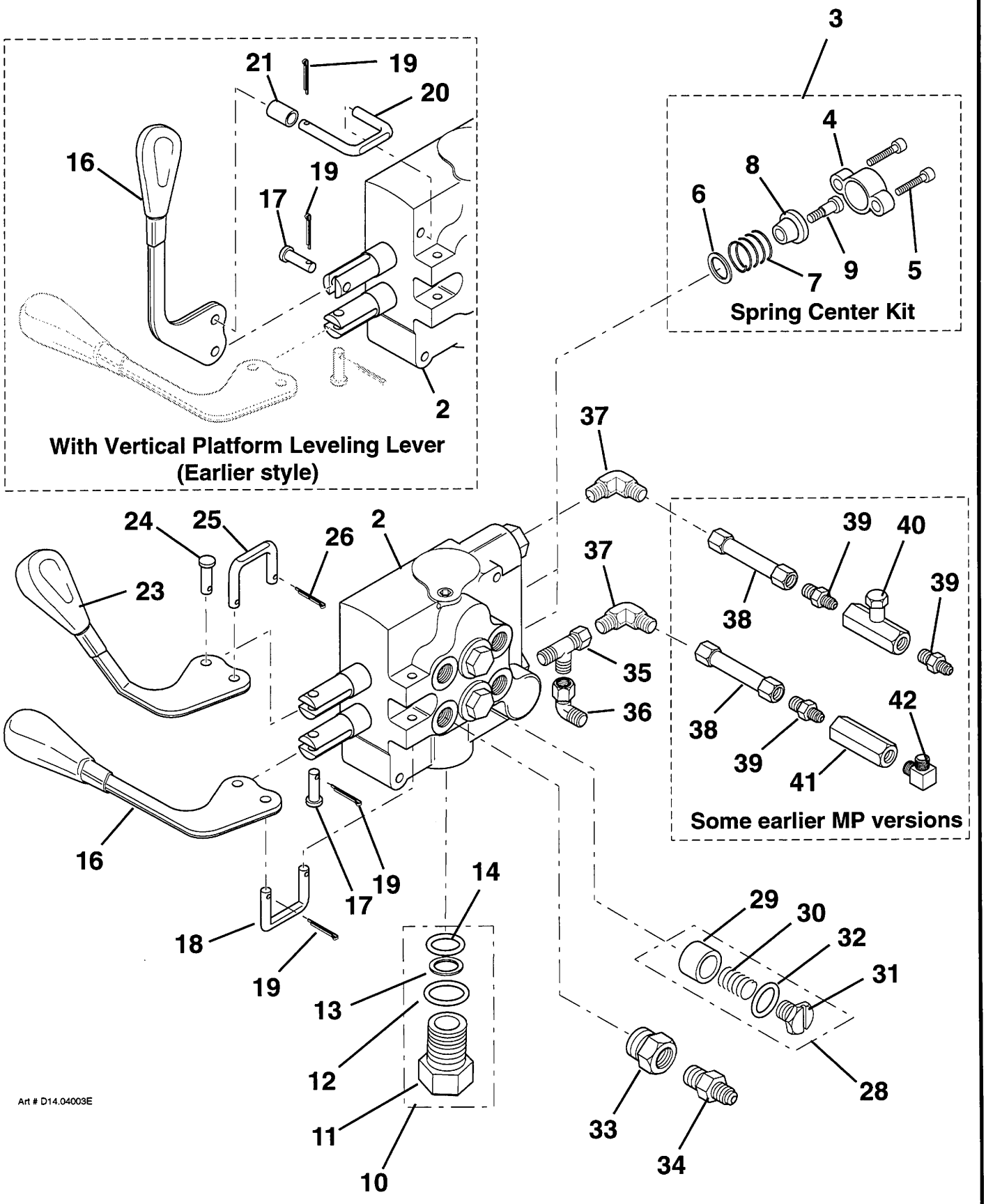
SIMON AERIALS INC. REV. 29 NOV., 1995 | PART NO. | PLATE NO. D14.04

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 *in most applications:*	
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)

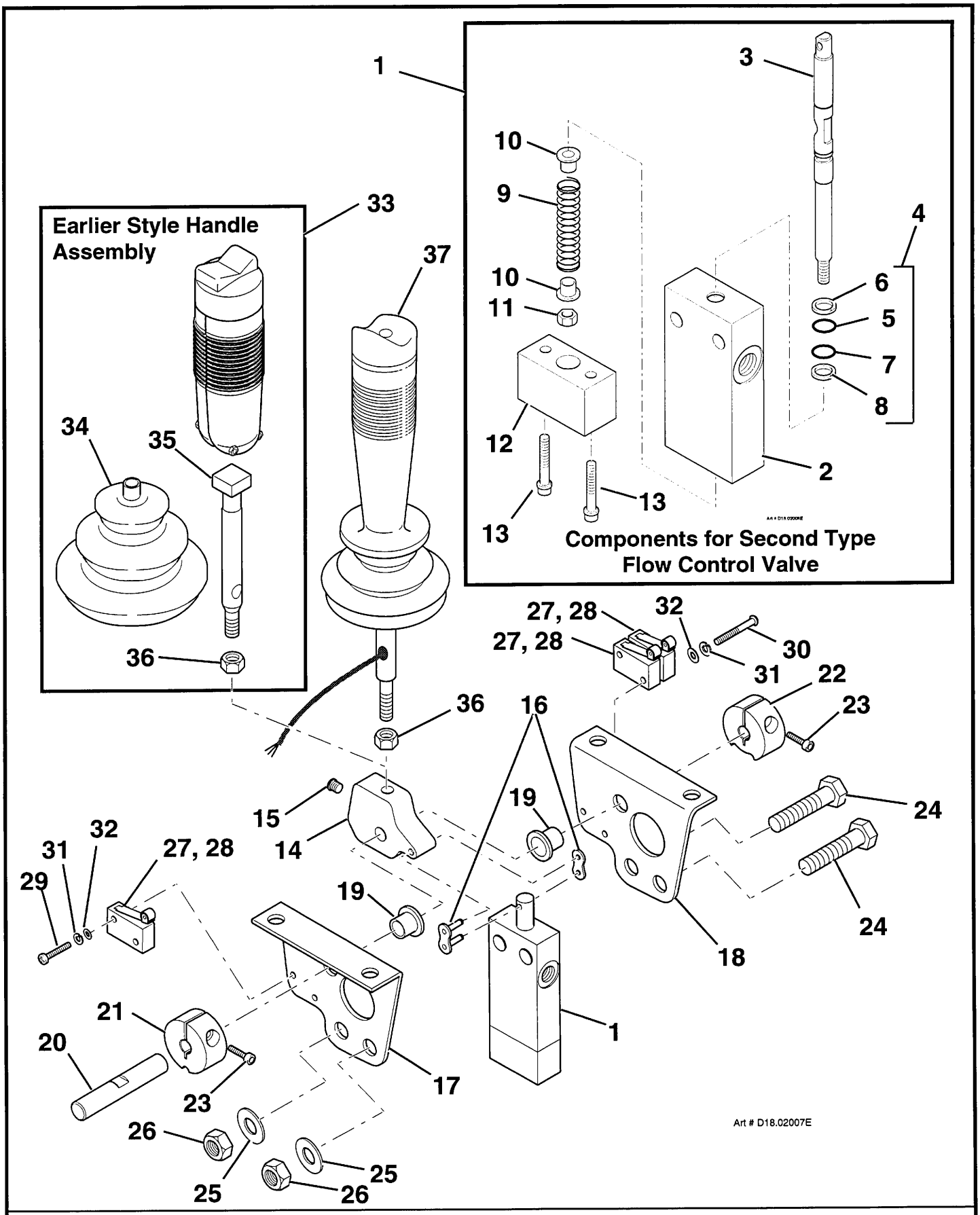
SIMON AERIALS INC. REV. 29 NOV., 1995 | PART NO. | PLATE NO. D14.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			VALVE ASSEMBLY, DRIVE CONTROL (First type shown)	1
	01-072400		First type (**Not** for use with Water Glycol hydraulic fluid)	
	01-201400		First type (Can be used with Water Glycol hydraulic fluid)	
	353 5630		Second type (Single cam [Item 21] has **three** detents)	
	353 5640		Second type (Single cam [Item 21] has **one** detent)	
1			VALVE, FLOW CONTROL (1 tooth)	1
	- - -		For "**first type**" assembly (Valve is not available separately)	
	01-230800		For "**second type**" assembly	
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			ARM, ROCKER	1
	212 1810		used with "**first type**" valve	
	232 3270	shown	used with "**second type**" valve	
15	07-023059		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.**

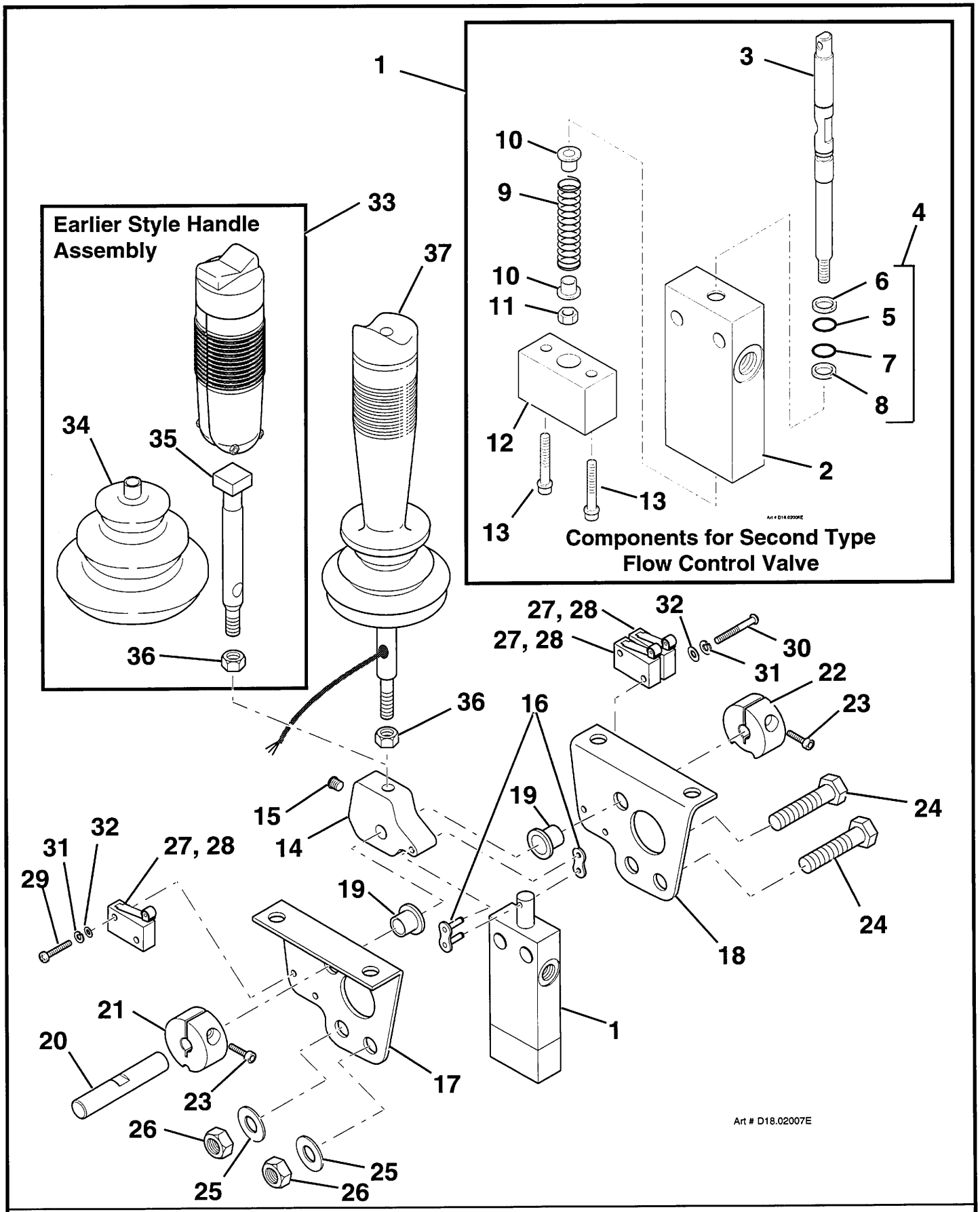


TITLE	DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC.	REV. 16 JAN., 1996	PART NO.	PLATE NO. D18.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	03-065000		MICRO SWITCH (includes roller lever actuator)	3
28	03-026500		ACTUATOR, BOLT ON (Roller lever)	1
29	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
30	07-013386		MACHINE SCREW, ROUND HEAD (#4-40 x 1-1/8", Grade 2)	2
31	07-065003		WASHER, HELICAL LOCK (#4)	4
32	07-062003		WASHER, FLAT (#4)	4
			The following **are not** part of the Drive Control Valve Ass'y:	
33	03-402200	E01.07	HANDLE ASSEMBLY, DRIVE CONTROL (Earlier style) (Note style of rocker switch on top. Comes with boot)	1
34	03-402206		BOOT, DRIVE CONTROL HANDLE	1
35	211 2760		SHAFT, HANDLE (for earlier style handle)	1
36	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
37	353 0010	E01.14	HANDLE ASSEMBLY, DRIVE CONTROL (Later style) (Note style of rocker switch on top. Includes shaft and boot)	1
38	06-039300		ADAPTER, "O"-RING TO 37° (4 F5OX-S)	1
39	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C5OX-S)	1

TITLE	DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)		
PLATE NO. D18.02	**SIMON AERIALS INC.**	REV. 16 JAN., 1996	PART NO.

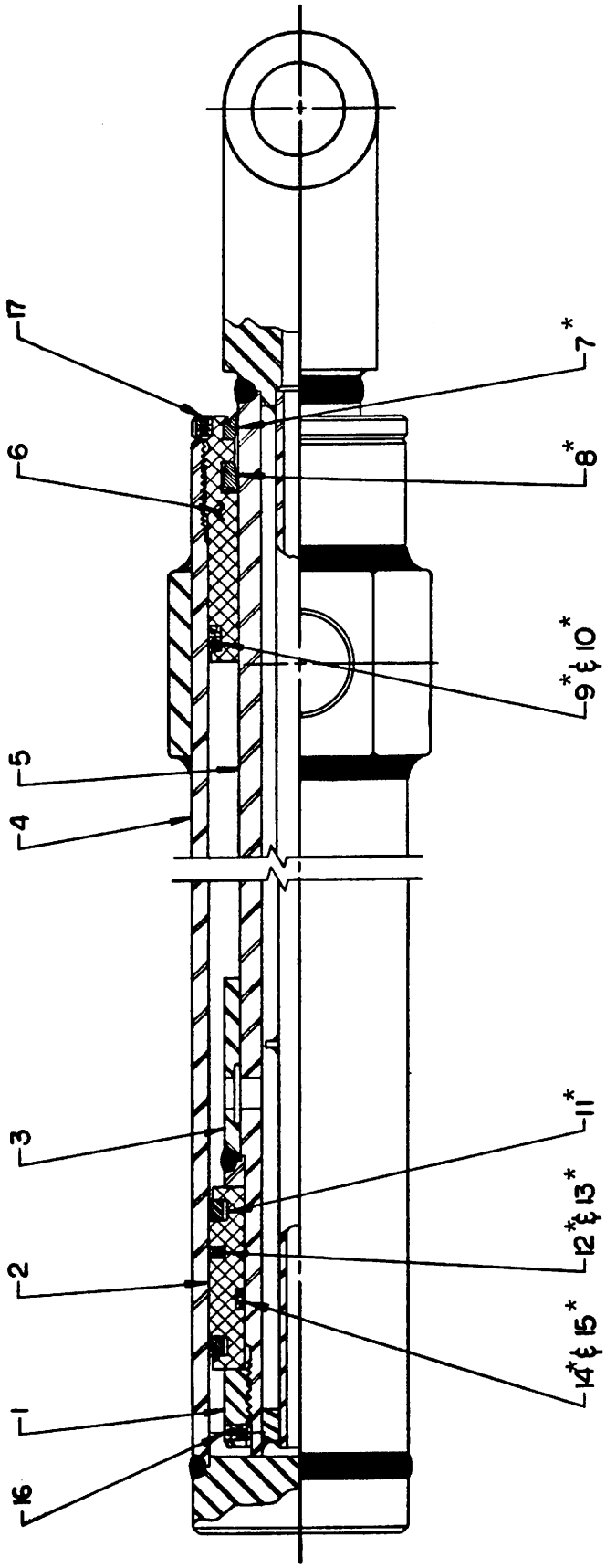


TITLE	DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)		
SIMON AERIALS INC.	REV. 16 JAN., 1996	PART NO.	PLATE NO. D18.02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			PISTON NUT	1
2			PISTON	1
3			SPACER	1
4			CASE	1
5			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*			PISTON SEAL	1
13*			'O' RING	1
14*			'O' RING	1
15*			BACK-UP RING	2
16			SET SCREW	1
17			SET SCREW	1
*	04-003601		SEAL KIT	

DESCRIPTION	PART NO.
EXTEND CYLINDER	04-009900





NOTE:
*SEAL KIT P/N 04-003601

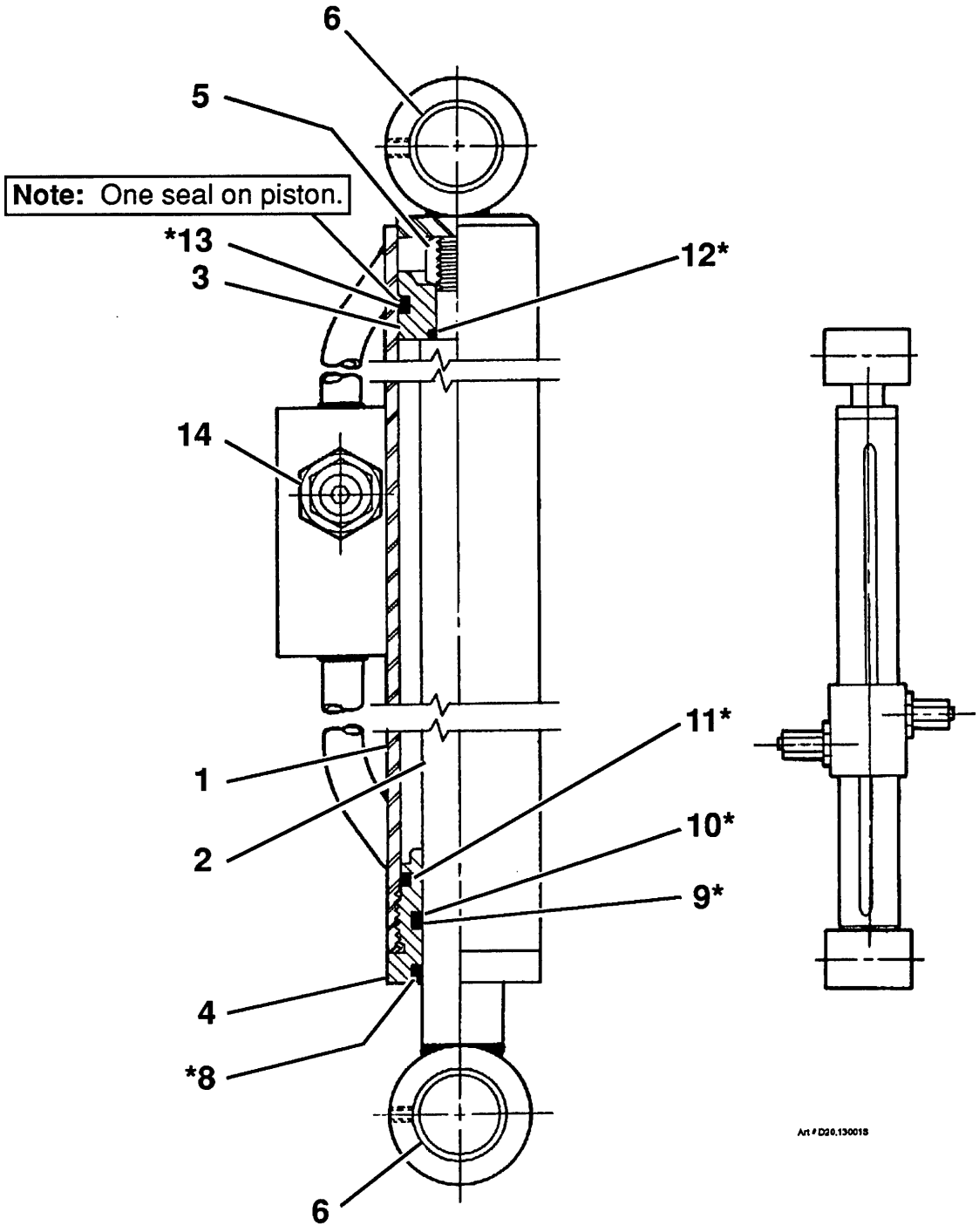
0484/0484

DESCRIPTION	PART NO.
EXTEND CYLINDER	04-009900

PARTS LIST

ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
			Identifying features of cylinder 04-007200: 1. One seal on piston.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, PISTON ROD	1
6			BUSHING	3
7	04-007101		SEAL KIT (not for use with water-glycol hydraulic fluid) **Note:** Items in kit identified by asterisk (*).	1
8			WIPER, ROD	1
9			"O"-RING	1
10			WASHER, BACKUP	1
11			"O"-RING	1
12			SEAL	1
13			SEAL, PISTON	1
			The following items **are not** part of the cylinder assembly:	
14	01-032500	D21.01	VALVE, HOLDING	2

TITLE	SLAVE LEVEL CYLINDER, 15.5" (.39 M) STROKE			
PLATE NO.	D20.01	**SIMON AERIALS INC.**	REV. 05/02/91	PART NO. 04-007200

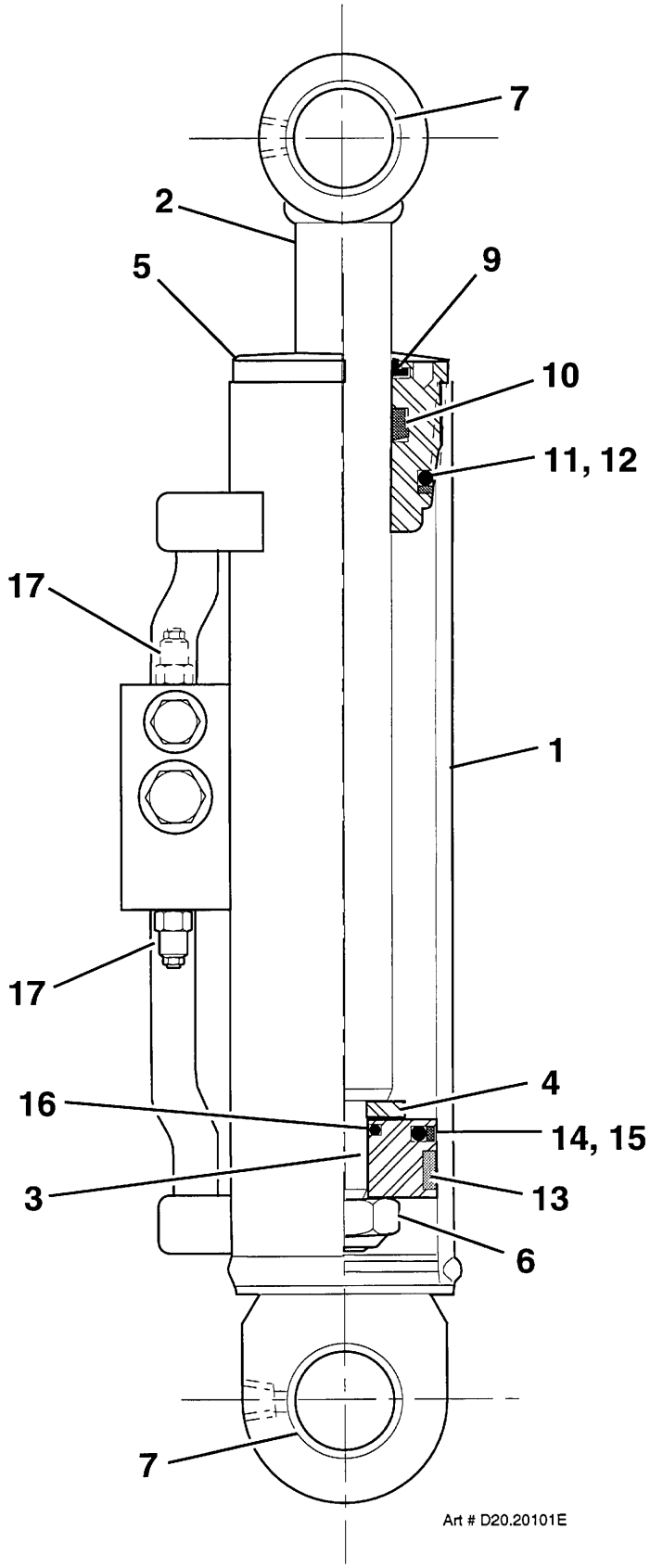


TITLE	SLAVE LEVEL CYLINDER, 15.5" (.39 M) STROKE		
SIMON AERIALS INC. REV. 05/02/91	PART NO. 04-007200	PLATE NO. D20.01	

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			VALVE, COUNTERBALANCE	
	04-028302		Type 1 (Valve is stamped "CB-C**G**-L**J**N")	2
	01-227200		Type 2 [Valve is stamped "CB-C**B**-L**H**N", 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			SEAL KIT, COUNTERBALANCE VALVE	
	04-028303		(for "Type 1" Valve)	1
	01-227201		(for "Type 2" Valve)	1

TITLE	SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE			
PLATE NO. D20.201	**SIMON AERIALS INC.**	NEW 22 JUN., 1994	PART NO.	04-039000

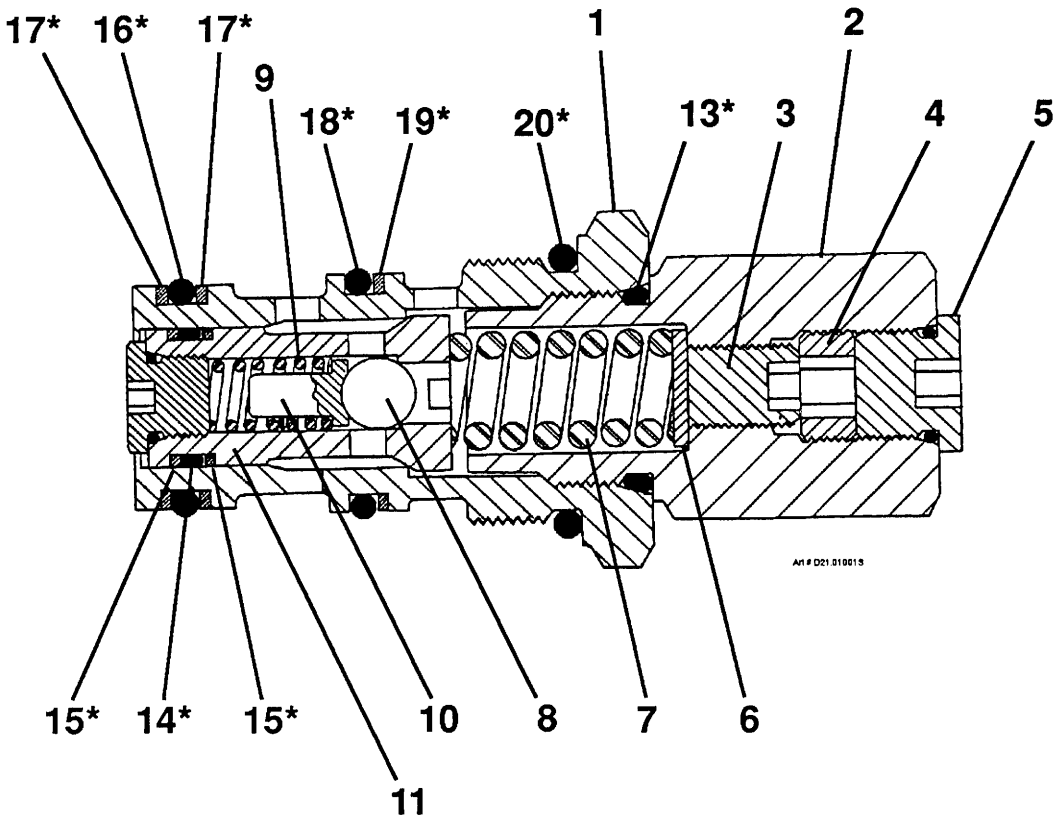


TITLE	SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE		
SIMON AERIALS INC. NEW 22 JUN., 1994		PART NO. 04-039000	PLATE NO. D20.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2			CAP, HOLDING VALVE	1
3			SCREW, ADJUSTING	1
4			SCREW, LOCK	1
5			PLUG	1
6			WASHER	1
7			SPRING	1
8			BALL, CHECK	1
9			SPRING	1
10			PIN, STOP	1
11			SPOOL, PILOT	1
12	01-032501		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
13			"O"-RING	1
14			"O"-RING	1
15			RING, BACKUP	2
16			"O"-RING	1
17			RING, BACKUP	2
18			"O"-RING	1
19			RING, BACKUP	1
20			"O"-RING	1

TITLE	HOLDING VALVE, SLAVE LEVELING CYLINDER			
PLATE NO.	D21.01	**SIMON AERIALS INC.**	REV. 05/02/91	PART NO. 01-032500

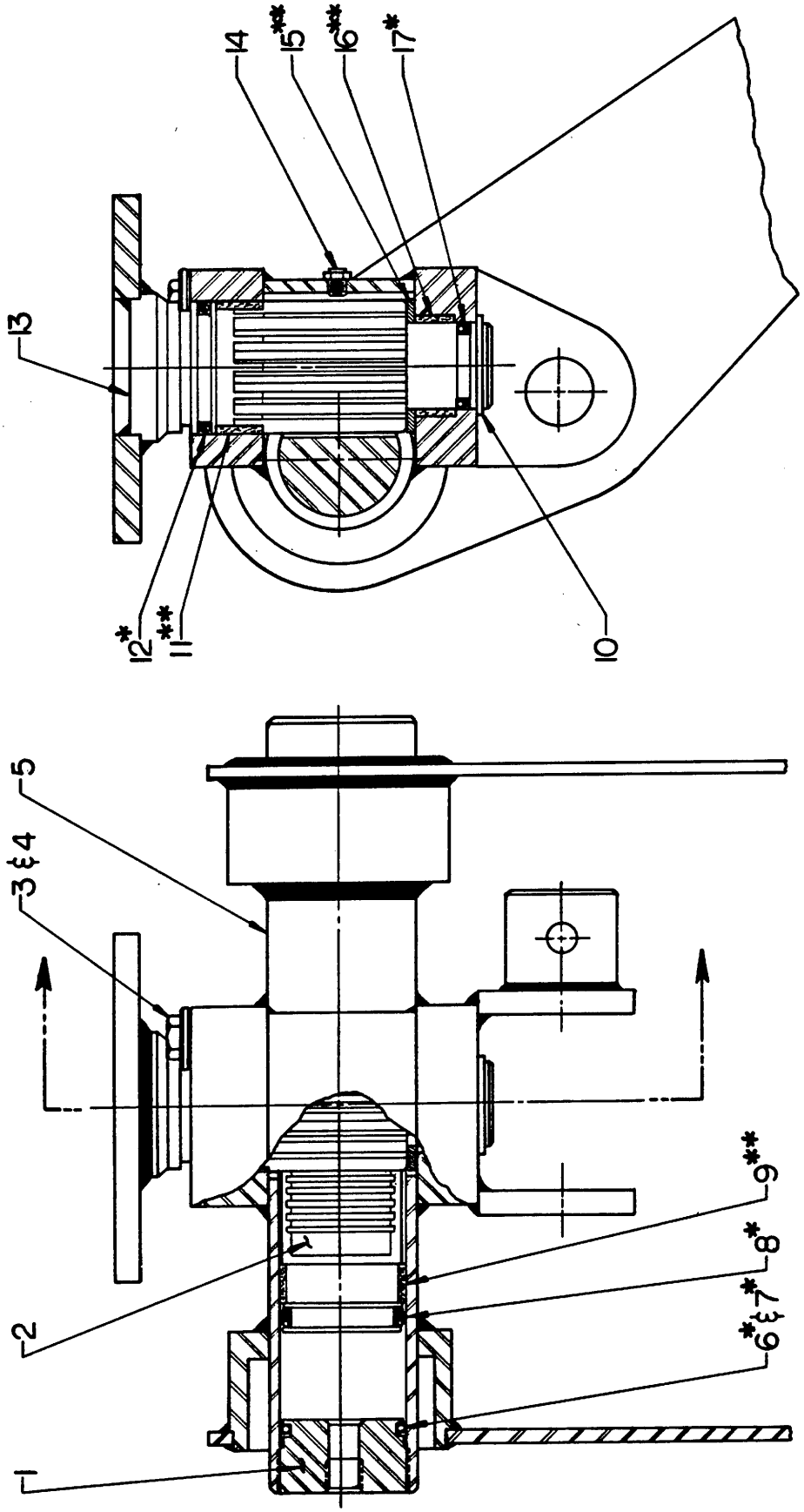


TITLE	HOLDING VALVE, SLAVE LEVELING CYLINDER		
SIMON AERIALS INC. REV. 05/02/91	PART NO. 01-032500	PLATE NO. D21.01	

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			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			PINION	1
14			RELIEF VALVE	1
15**			THRUST RING	1
16**			PINION SHAFT WEARSTRIP	1
17*			PINION SHAFT SEAL	1
*	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

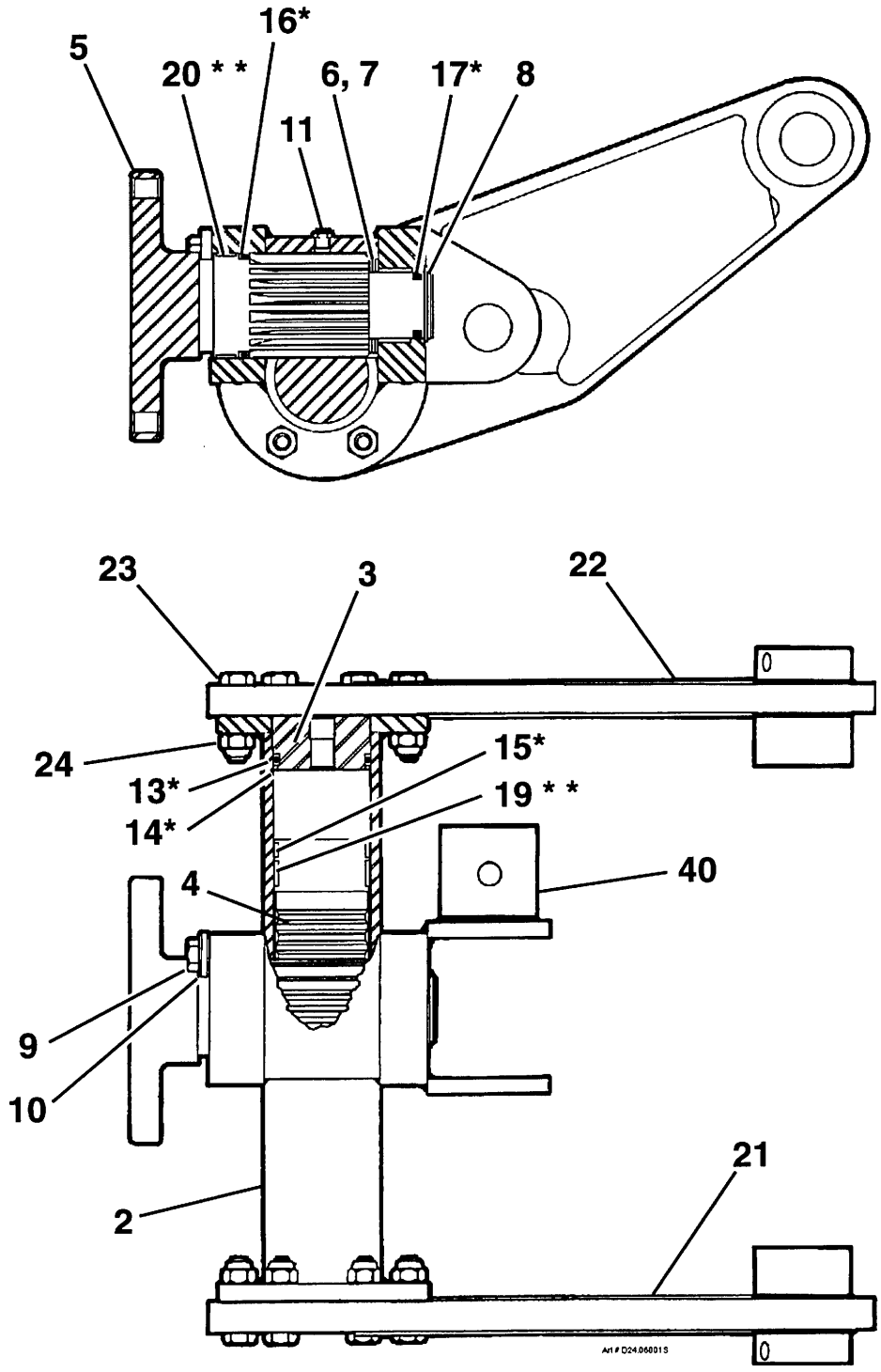
0984/0384

DESCRIPTION	PART NO.
PLATFORM ROTARY ACTUATOR	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.	1
			Note: These seal kits not for water-glycol fluid. Items in seal kit are identified by asterisk (*).	
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.	1
			Note: Items in kit identified by double asterisk (* *).	
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



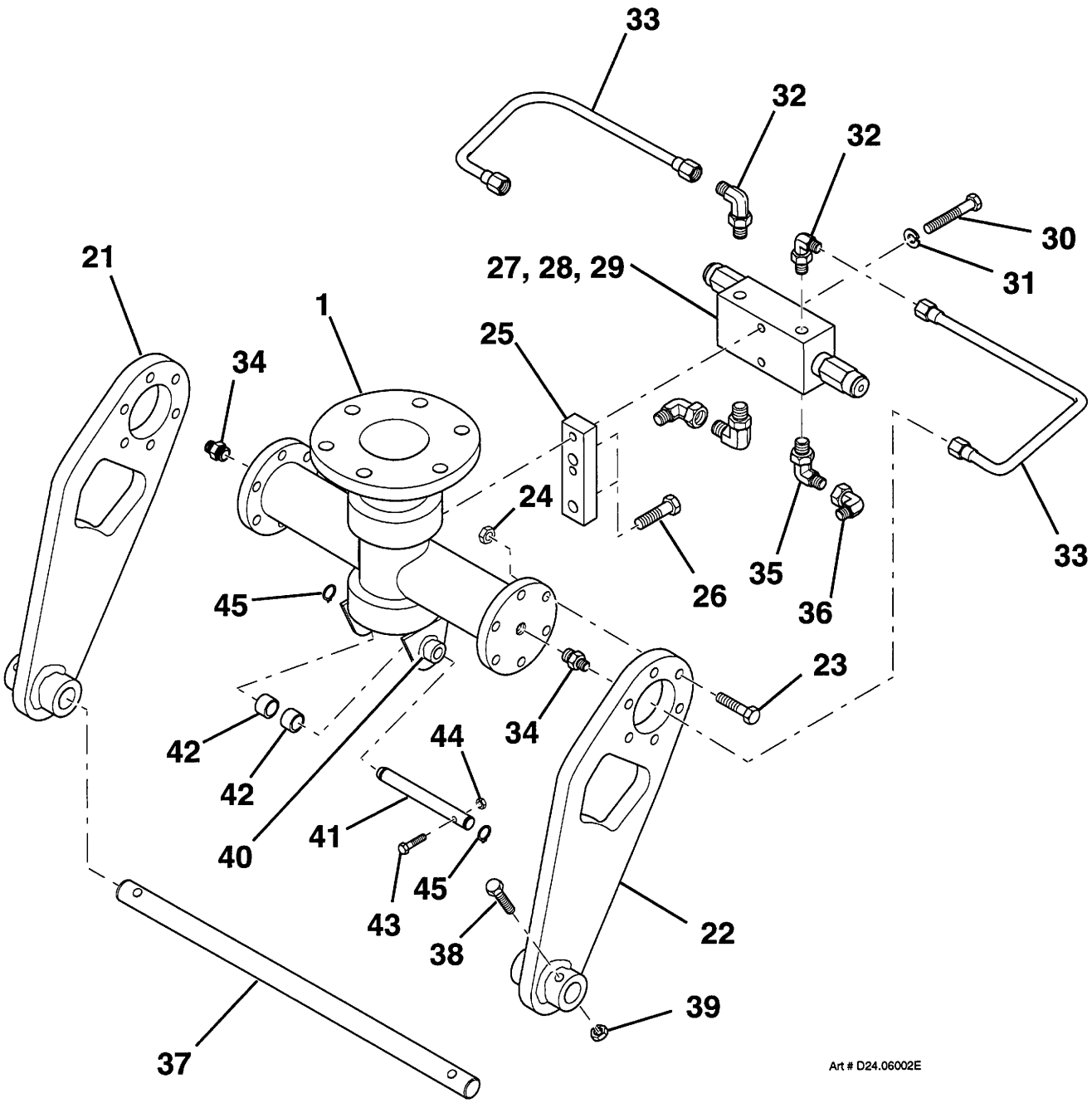
TITLE	PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 22 NOV., 1994 THIS SHEET ONLY	PART NO. 02-010600	PLATE NO. D24.06

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

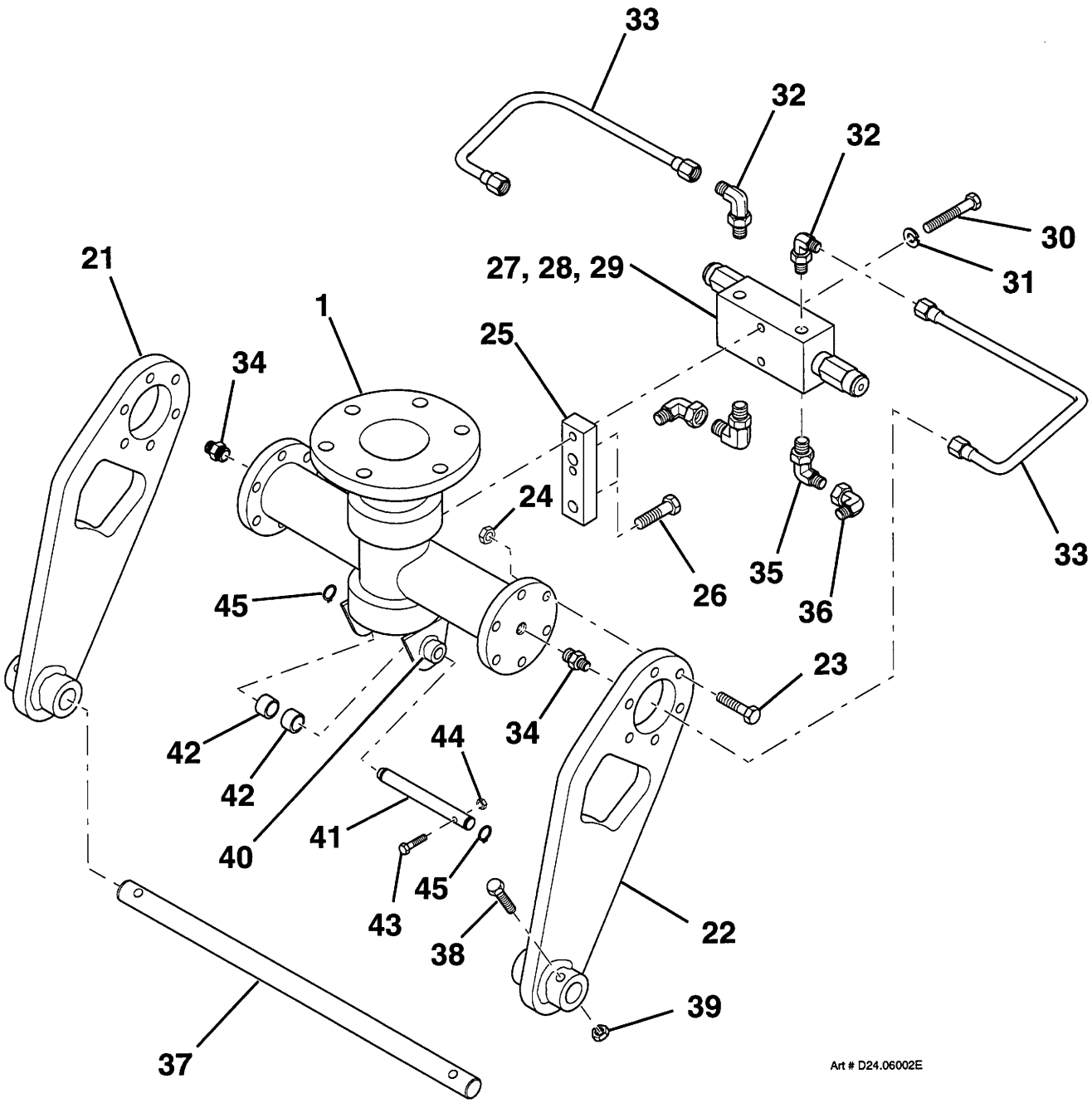


TITLE	PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)		
SIMON AERIALS INC. REV. 02 MAY, 1994	PART NO. 02-010600	PLATE NO. D24.06	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23			CAP SCREW, HEX HEAD	
	07-003090		(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) **Or**	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) **Or**	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) **Or**	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) **Or**	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



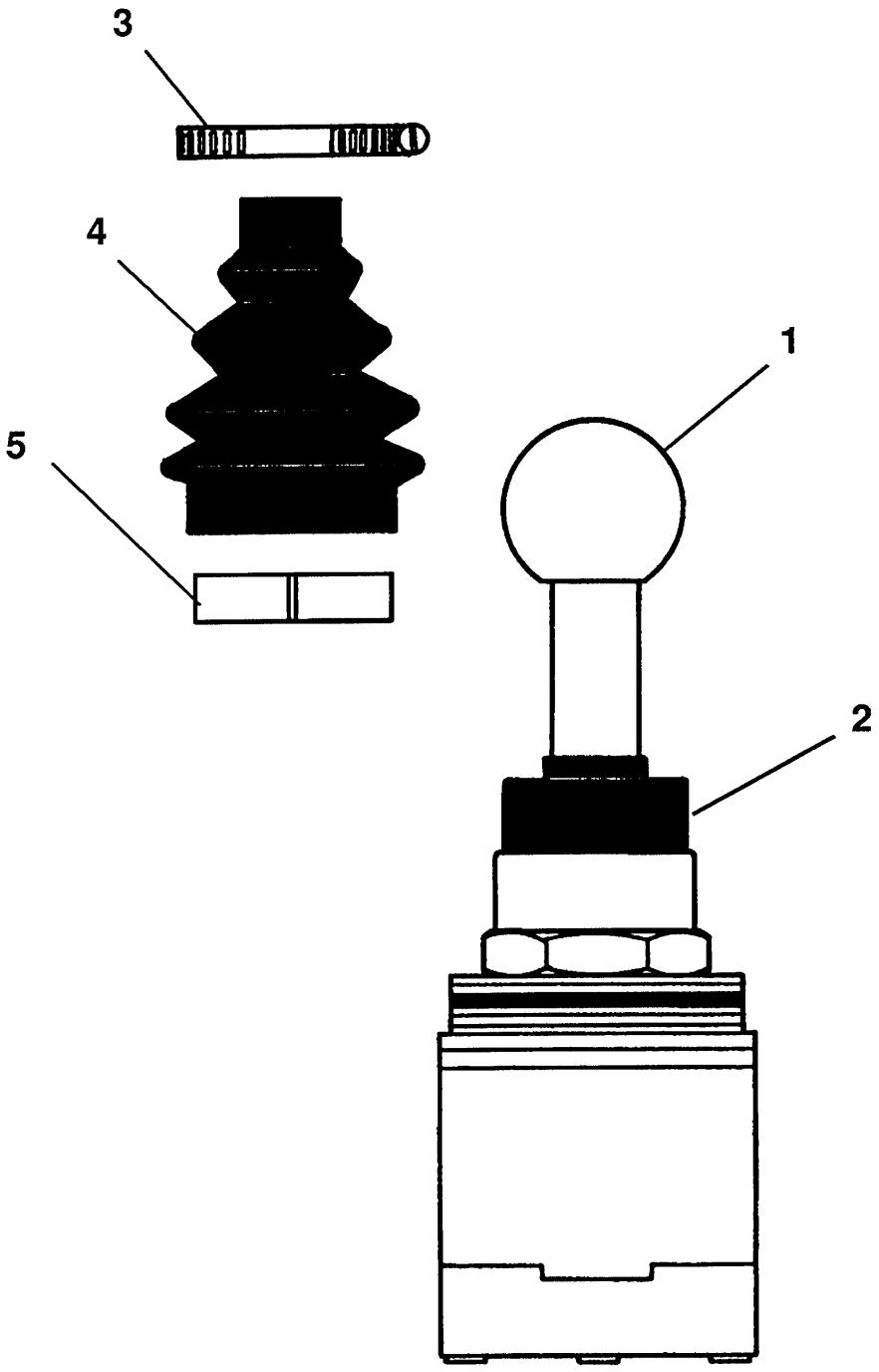
TITLE	PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)		
SIMON AERIALS INC. REV. 02 MAY, 1994	PART NO. 02-010600	PLATE NO. D24.06	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-021801		KNOB	1
2	03-021802		BOOT	1
3			BOOT CLAMP (Optional)	1
4	03-022702		BOOT W/ CLAMP (Optional)	1
5	200183-8		RING (Optional)	1

TITLE: JOYSTICK CONTROLLER (5 POSITION)

PLATE NO. E01.03 | **SIMON AERIALS INC.** REV. 08/08/91 | PART NO. 03-021800

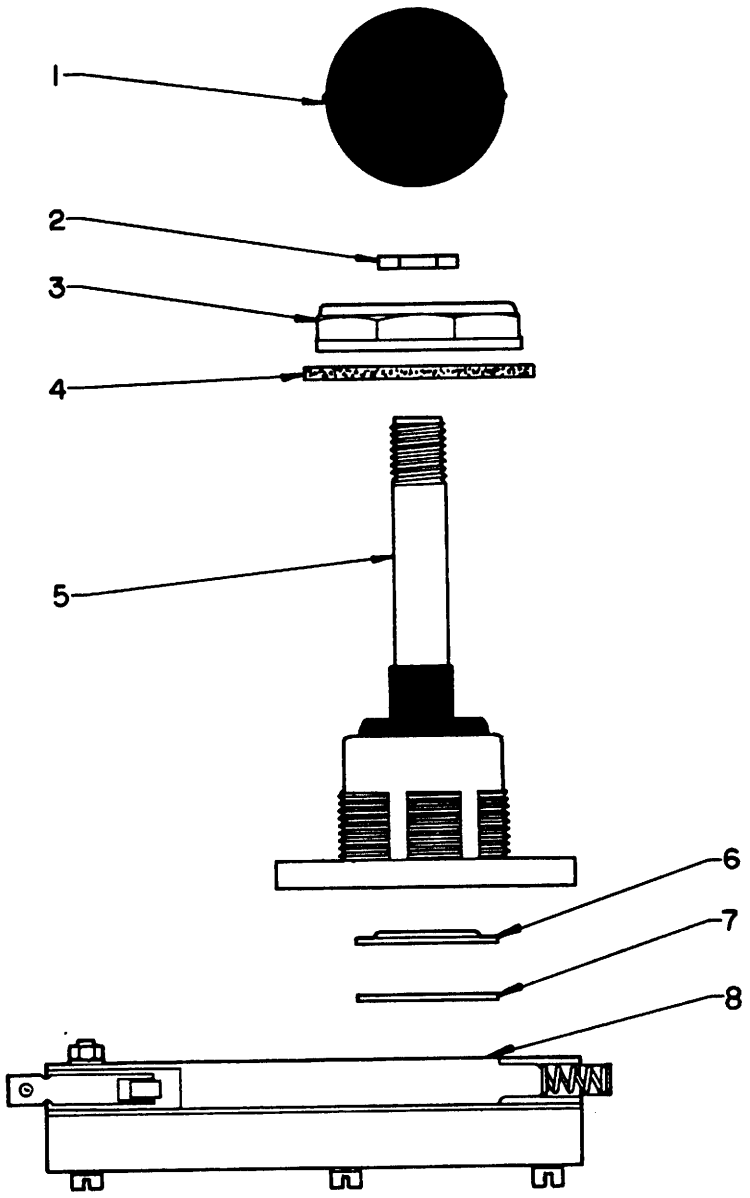


TITLE	JOYSTICK CONTROLLER (5 POSITION)		
SIMON AERIALS INC. REV. 08/08/91	PART NO. 03-021800	PLATE NO. E01.03	

PARTS LIST

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

DESCRIPTION	PART NO.
JOYSTICK (8 POSITION)	03-061600



0784/ 0983

DESCRIPTION		PART NO.
	JOYSTICK (8 POSITION)	03-061600

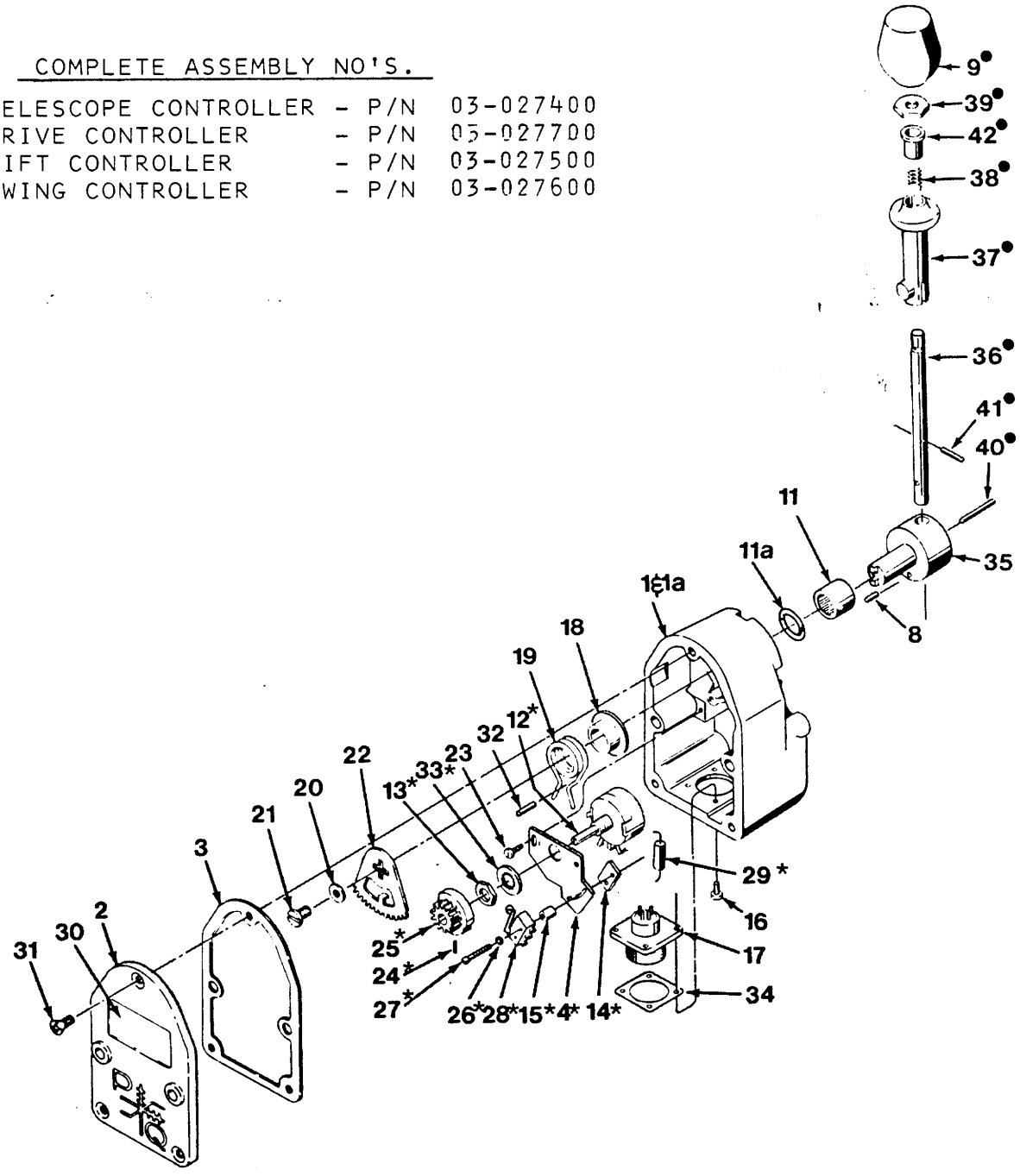
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-027226		HOUSING (DRIVE, TELESCOPE)	1
1A	03-027227		HOUSING (LIFT, SWING)	1
2			COVER (DRIVE & TELESCOPE ONLY)	1
2A			LATHE CUT GROMMET (NOT SHOWN)	1
3			HOUSING GASKET	1
4*			MOUNTING PLATE	1
8			GROOVE PIN	1
9●	03-027220		BALL KNOB	1
11			BEARING	1
11A			'O' RING	1
12*			POTENTIOMETER	1
13*			HEX NUT	1
14*			FASTENER PLATE	1
15*			SPACER	2
16			PAN HEAD MACHINE SCREW	4
17			MS RECEPTACLE	1
18			SPRING GUIDE	1
19	03-027232		TORSION SPRING	1
20			SAE FLATWASHER	1
21			PAN HEAD MACHINE SCREW	1
22			SECTOR GEAR	1
23			FILLISTER HEAD MACHINE SCREW	1
24*			HEX SOCKET SET SCREW	1
25*			SPUR GEAR & CAM	1
26*			LOCKWASHER	2
27*			FILLISTER HEAD MACHINE SCREW	2
28*	03-027217		ROLLER LEVER SWITCH	1
29*			RESISTOR	1
30			I.D. TAG	1
31			FLAT HEAD MACHINE SCREW	3
32			GROOVE PIN	1
33*			INTERNAL TOOTH LOCKWASHER	1
34			MS CONNECTOR GASKET	1
35			CONTROL HANDLE	1
36●			CONTROL HANDLE EXTENSION	1
37●	03-027221		CONTROL HANDLE SLIDE LOCK	1
38●	03-027215		COMPRESSION SPRING	1
39●			HEX NUT	1
40●			GROOVE PIN	1
41●	03-027218		GROOVE PIN	1
42●	03-027219		SLEEVE	1
●	03-027207		HANDLE ASSEMBLY (ALL CONTROLLERS)	
*	03-027208		ELECTRICAL ASSEMBLY, TLSCP. CONTROLLER	
*	03-027209		ELECTRICAL ASSEMBLY, DRIVE CONTROLLER	
*	03-027210		ELECTRICAL ASSEMBLY, LIFT CONTROLLER	
*	03-027211		ELECTRICAL ASSEMBLY, SWING CONTROLLER	

DESCRIPTION	PART NO.
JOYSTICK CONTROLLER	03-027202 THRU 03-027205

COMPLETE ASSEMBLY NO'S.

TELESCOPE CONTROLLER	- P/N	03-027400
DRIVE CONTROLLER	- P/N	03-027700
LIFT CONTROLLER	- P/N	03-027500
SWING CONTROLLER	- P/N	03-027600



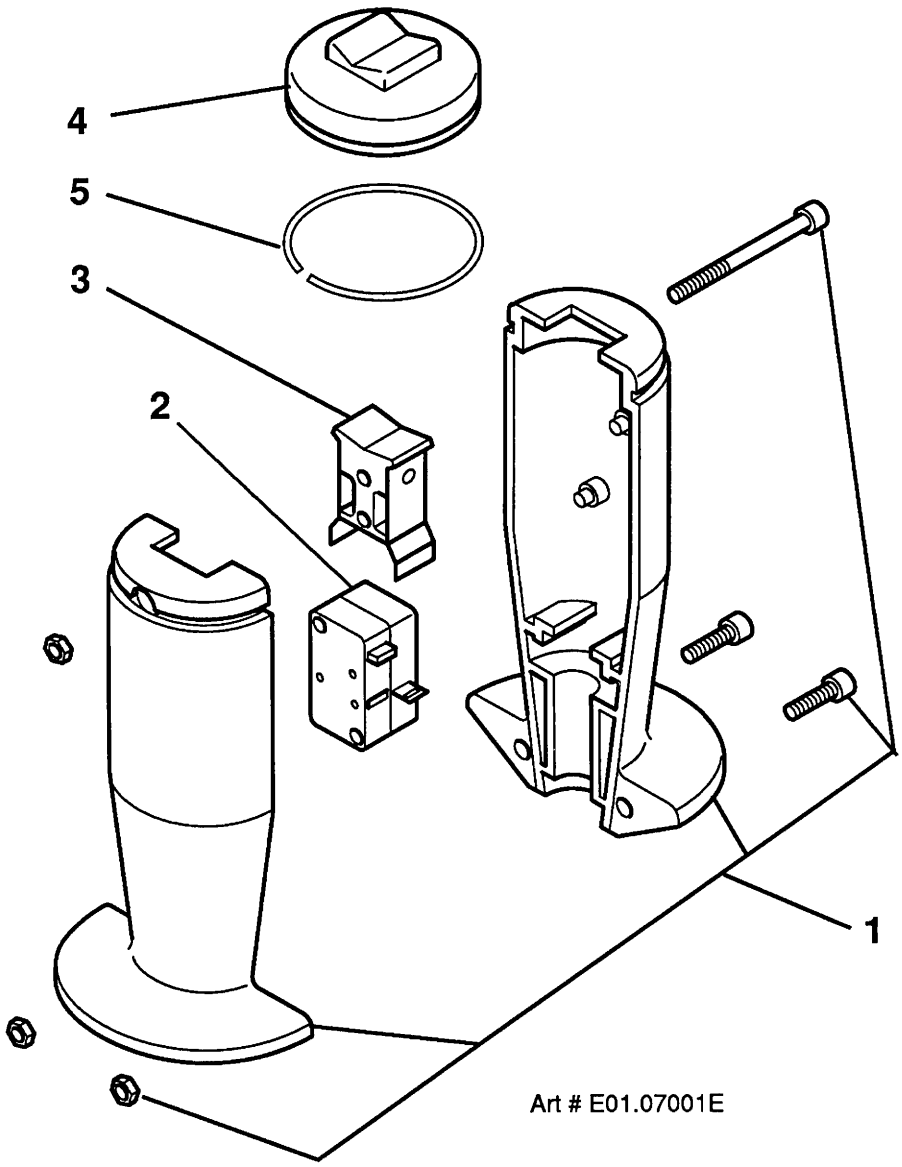
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DESCRIPTION	PART NO.
JOYSTICK CONTROLLER	03-027202 THRU 03-027205

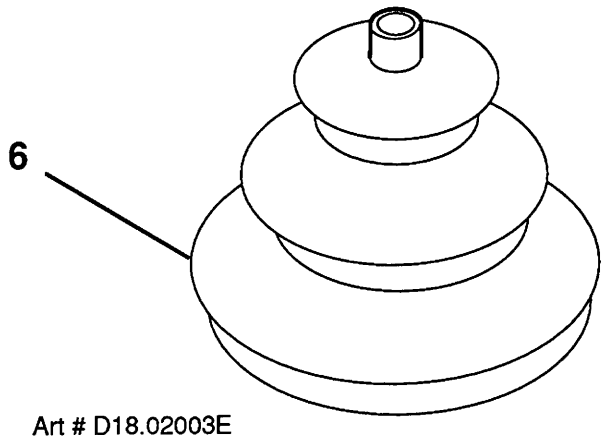
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-402205		HANDLE (includes two halves, screws and nuts)	1
2	03-402204		SWITCH, DRIVE HANDLE (steer switch)	1
3	03-402203		ACTUATOR, DRIVE HANDLE SWITCH (rocker)	1
4	03-402202		BOOT, SWITCH ACTUATOR	1
5	03-402201		RING, BOOT RETAINING	1
6	03-402206		BOOT, DRIVE CONTROL HANDLE	1

TITLE	DRIVE CONTROL HANDLE ASSEMBLY			
PLATE NO. E01.07	**SIMON AERIALS INC.**	REV. 18 FEB., 1993	PART NO.	03-402200



Art # E01.07001E



Art # D18.02003E

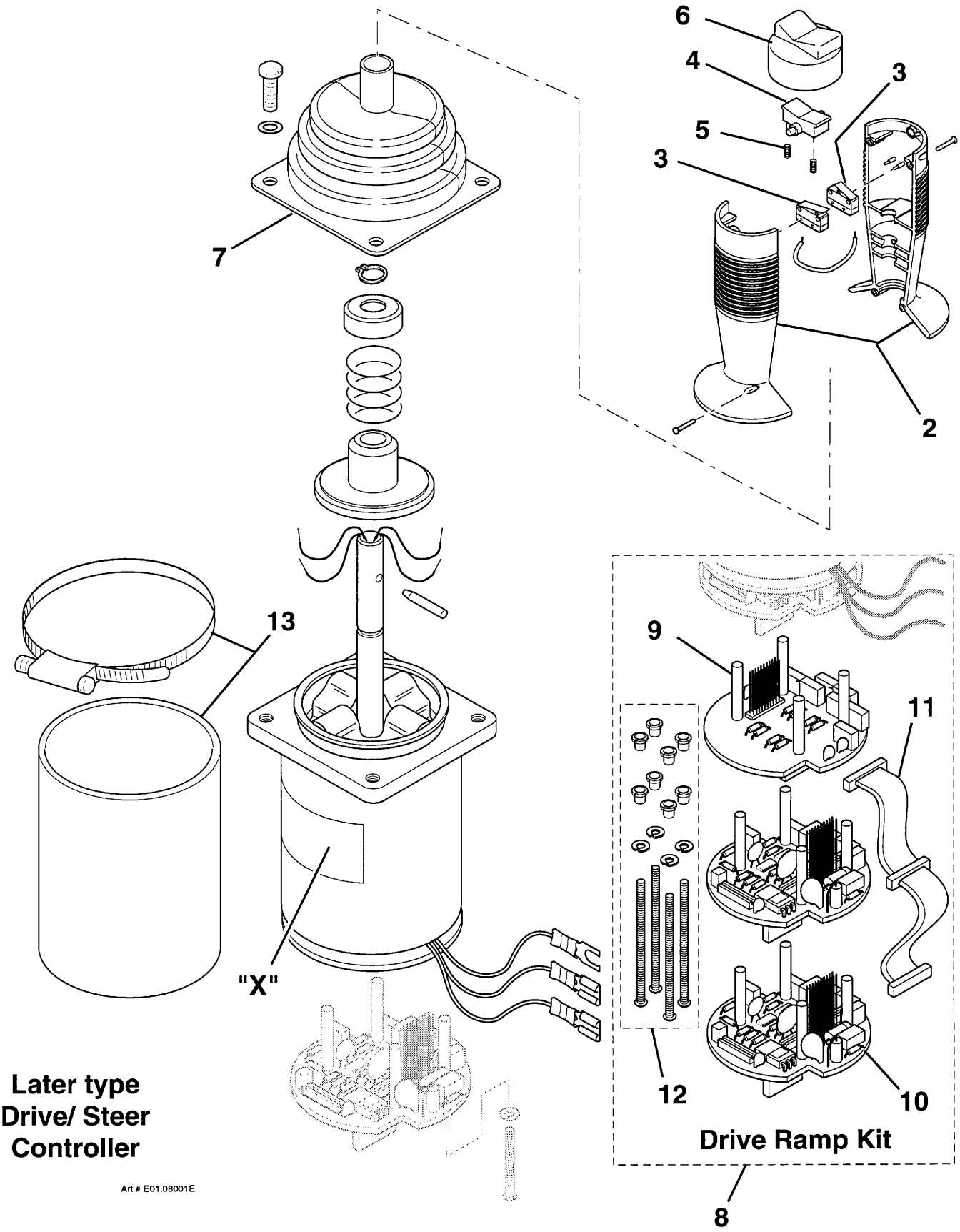
TITLE	DRIVE CONTROL HANDLE ASSEMBLY		
SIMON AERIALS INC. REV. 18 FEB., 1993	PART NO. 03-402200	PLATE NO. E01.07	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-491200		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz, with rocker switch in hand grip) (**Later** type, identified on nameplate "X" as "**MJ 4020-1043**".	1
			Note: Some earlier versions of **this type** controller were marked "**MJ 4121-1043**", but these were modified by the removal of a driver board [shown in phantom on the illustration] and are identical to MJ 4020-1043.) Both versions of the later type are illustrated on this page. For earlier type, see next page.	
2	03-491204		HANDLE (includes two halves and assembling hardware)	1
3	03-491205		MICRO SWITCH	2
4	03-491202		ROCKER, SWITCH	1
5			SPRING, SWITCH RETURN	2
6	03-491201		BOOT, ROCKER SWITCH	1
7	03-491001		BOOT, HANDLE (Gaiter)	1
			The following items **are not** included with Controller 03-491200, but **are** available for aftermarket installation:	
8	03-702100		RAMP KIT, DRIVE	1
9	03-494800		RAMP CARD	1
10	03-494900		DRIVE BOARD	2
11	03-495300		CABLE, JUMPER	1
12	03-702200		MOUNTING HARDWARE, DRIVE RAMP KIT	1
13	03-499500		COVER KIT, CONTROLLER (includes boot and clamp)	1

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

PLATE NO.			PART NO.
E01.08	**SIMON AERIALS INC.**	REV. 01 FEB., 1996	



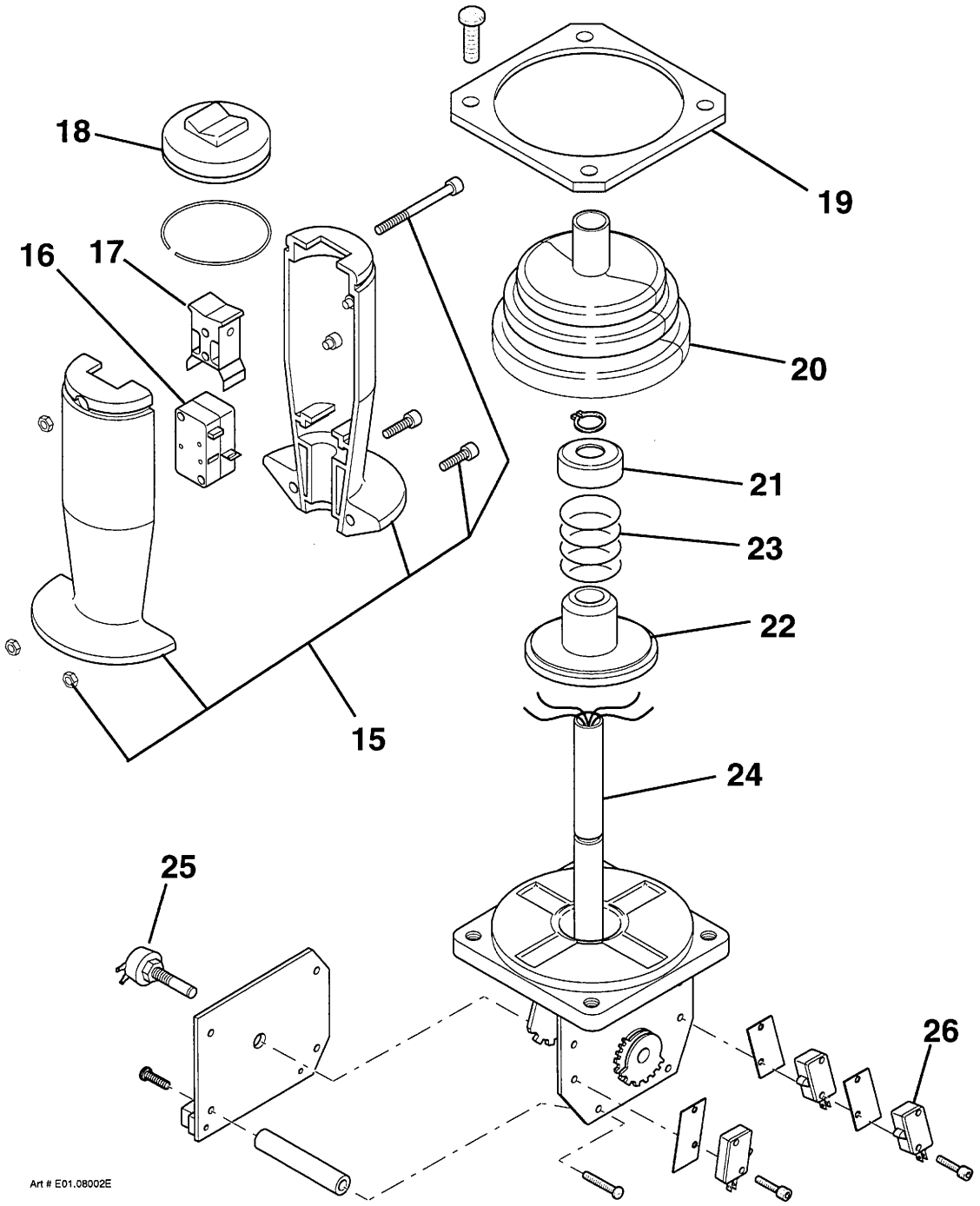
TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.	REV. 01 FEB., 1996	PART NO.	PLATE NO. E01.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	03-481900		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz, with rocker switch in hand grip) (**Earlier** type, identified on nameplate as "**MS4 M6941**")	1
			Note: Earlier type is illustrated on this page. For later type, see previous page.	
15	03-481905		HANDLE (includes two halves and assembling hardware) (also includes gasket)	1
16	03-483008		MICRO SWITCH	1
17	03-483001		ROCKER, SWITCH	1
18	03-483009		BOOT, ROCKER SWITCH	1
19	03-481706		CLAMP, BOOT	1
20	03-481901		BOOT, HANDLE (Gaiter)	1
21	03-491004		CAP, HANDLE (Upper)	1
22	03-491005		CAP, HANDLE (Lower)	1
23	03-481707		SPRING, HANDLE	1
24	03-481903		SHAFT, HANDLE (includes gear)	1
25	03-481902		POTENTIOMETER	1
26	03-481904		MICRO SWITCH (Heavy duty)	3

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



Earlier type Drive/ Steer Controller

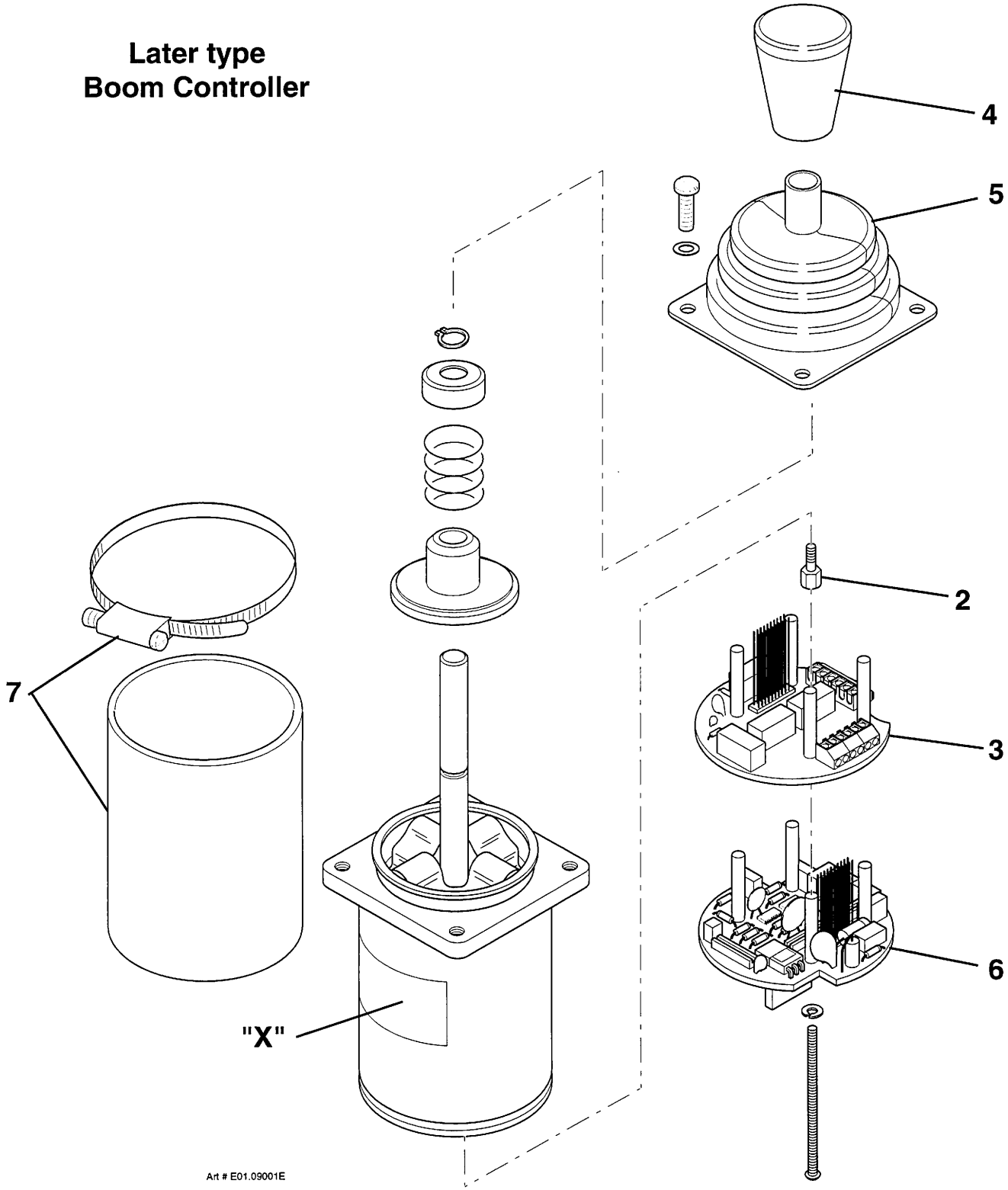
TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2			
SIMON AERIALS INC.	REV. 01 FEB., 1996	PART NO.	PLATE NO. E01.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-491000		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz) (**Later** type, identified on nameplate "X" as "**MJ 9001-0301**".	1
			Note: Some earlier versions of **this type** controller were marked "**MJ 4121-1020**", but these were modified and are identical to MJ 9001-0301.)	
			Both versions of the later type are illustrated on this page. For earlier type, see next page.	
2	03-495500		SPACER, STAND OFF	4
3	03-493600		SWITCH BOARD (for alarm functions)	1
4	03-491002		KNOB (Handle)	1
5	03-491001		BOOT, HANDLE (Gaiter)	1
6	03-491003		BOARD, DRIVER	1
			The following item **is not** included with Controller 03-491000:	
7	03-499500		COVER KIT, CONTROLLER (includes boot and clamp)	1

TITLE	BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2		
PLATE NO. E01.09	**SIMON AERIALS INC.**	REV. 01 FEB., 1996	PART NO.

Later type
Boom Controller



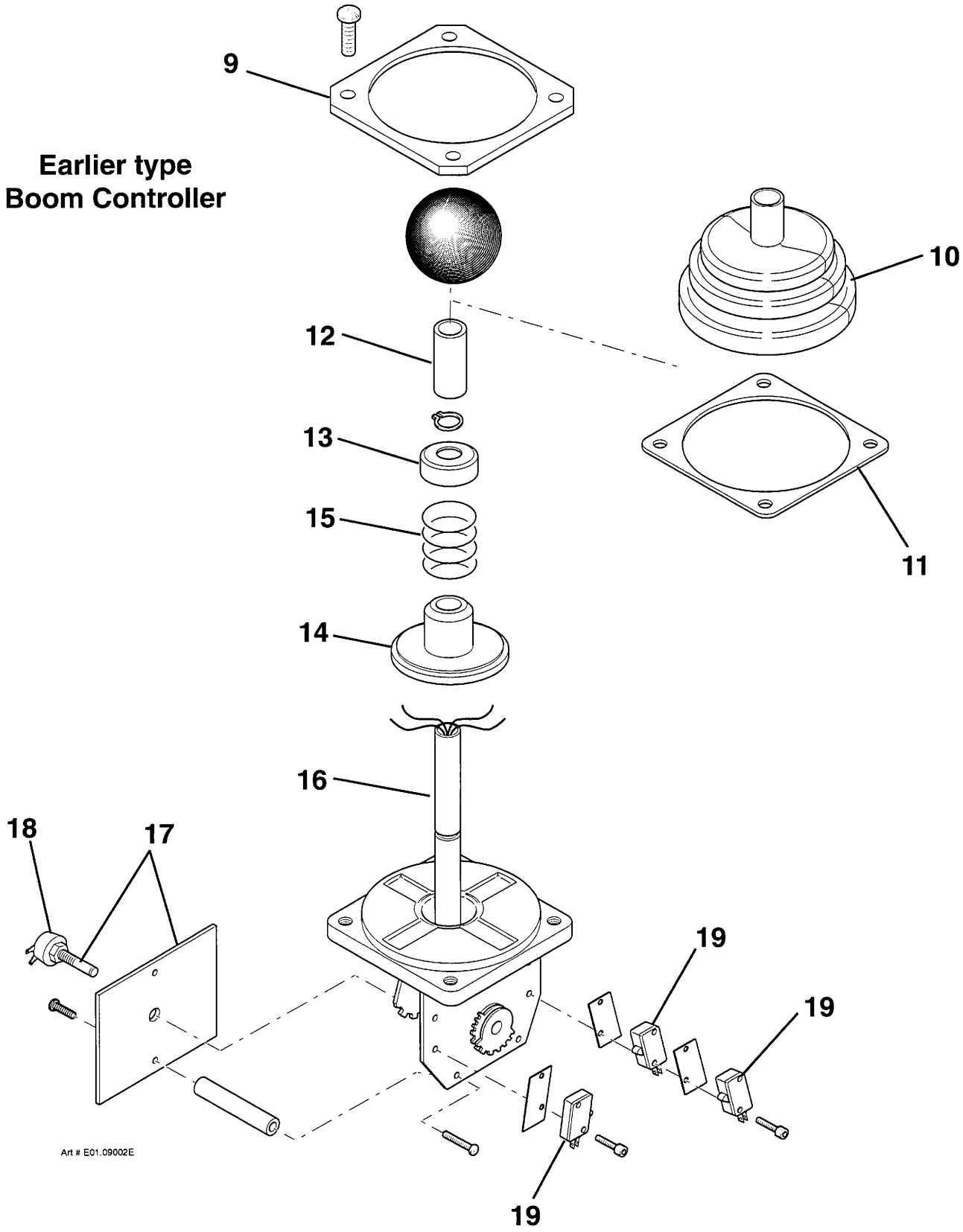
TITLE	BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2		
SIMON AERIALS INC.	REV. 01 FEB., 1996	PART NO.	PLATE NO. E01.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
8	03-481700		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz) (**Earlier** type, identified on nameplate as "**EMS4M6351**") **Note:** Earlier type is illustrated on this page. For later type, see previous page.	1
9	03-481706		CLAMP, BOOT	1
10	03-481701		BOOT, HANDLE (Gaiter)	1
11	03-481708		GASKET, MOUNTING	1
12	03-481705		TUBE, INTERLOCK	1
13	03-491004		CAP, HANDLE (Upper)	1
14	03-491005		CAP, HANDLE (Lower)	1
15	03-481707		SPRING, HANDLE	1
16	03-481703		SHAFT, HANDLE (includes gear)	1
17	03-481702		BOARD, PRINTED CIRCUIT (with Potentiometer)	1
18	03-481902		POTENTIOMETER	1
19	03-483008		MICRO SWITCH	3

TITLE	BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2		
PLATE NO. E01.09	**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

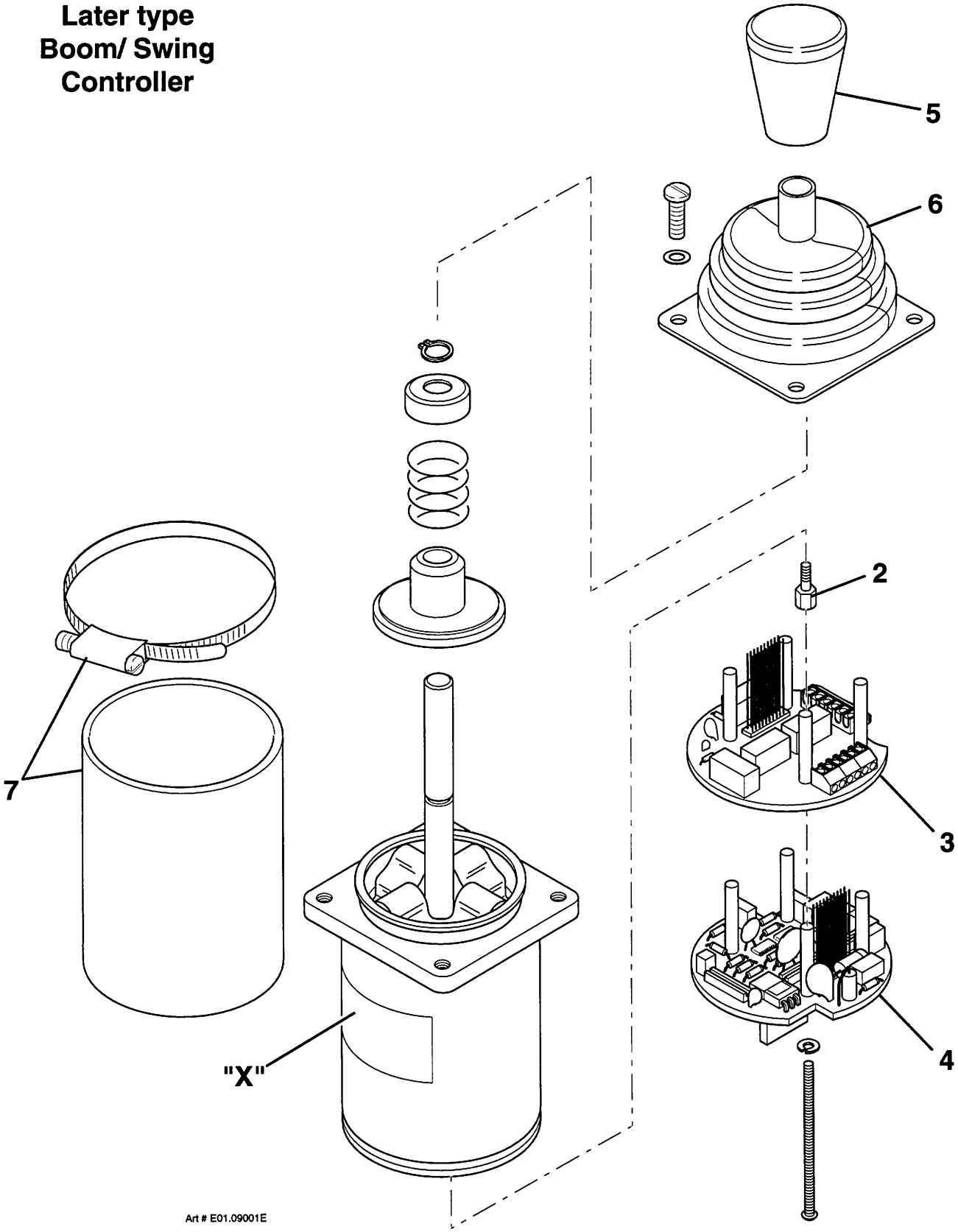
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-491100		CONTROLLER ASSEMBLY, DUAL AXIS (12 Volt, 33 Hz) Standard controller, **later** type, identified on nameplate "X" as "**MJ5122-1020**")	1
	03-710300		**Note:** Later type is illustrated on this page. For earlier type, see next page. Special application, with auxiliary printed circuit board, identified on nameplate "X" as "**MJ5123-1020**")	1
2			SPACER, STAND OFF (for Controller 03-710300 only)	4
3	03-710301		AUXILIARY CONTACT BOARD (for Controller 03-710300 only)	1
4	03-491101		DRIVE BOARD	1
5	03-491002		KNOB (Handle)	1
6	03-491001		BOOT, HANDLE (Gaiter)	1
			The following items **are not** included with Controller 03-491100 or 03-710300, but **are** available for aftermarket installation:	
7	03-499500		COVER KIT, CONTROLLER (includes boot and clamp)	1

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

PLATE NO.			PART NO.
E01.10	**SIMON AERIALS INC.**	REV. 07 NOV., 1994	

Later 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

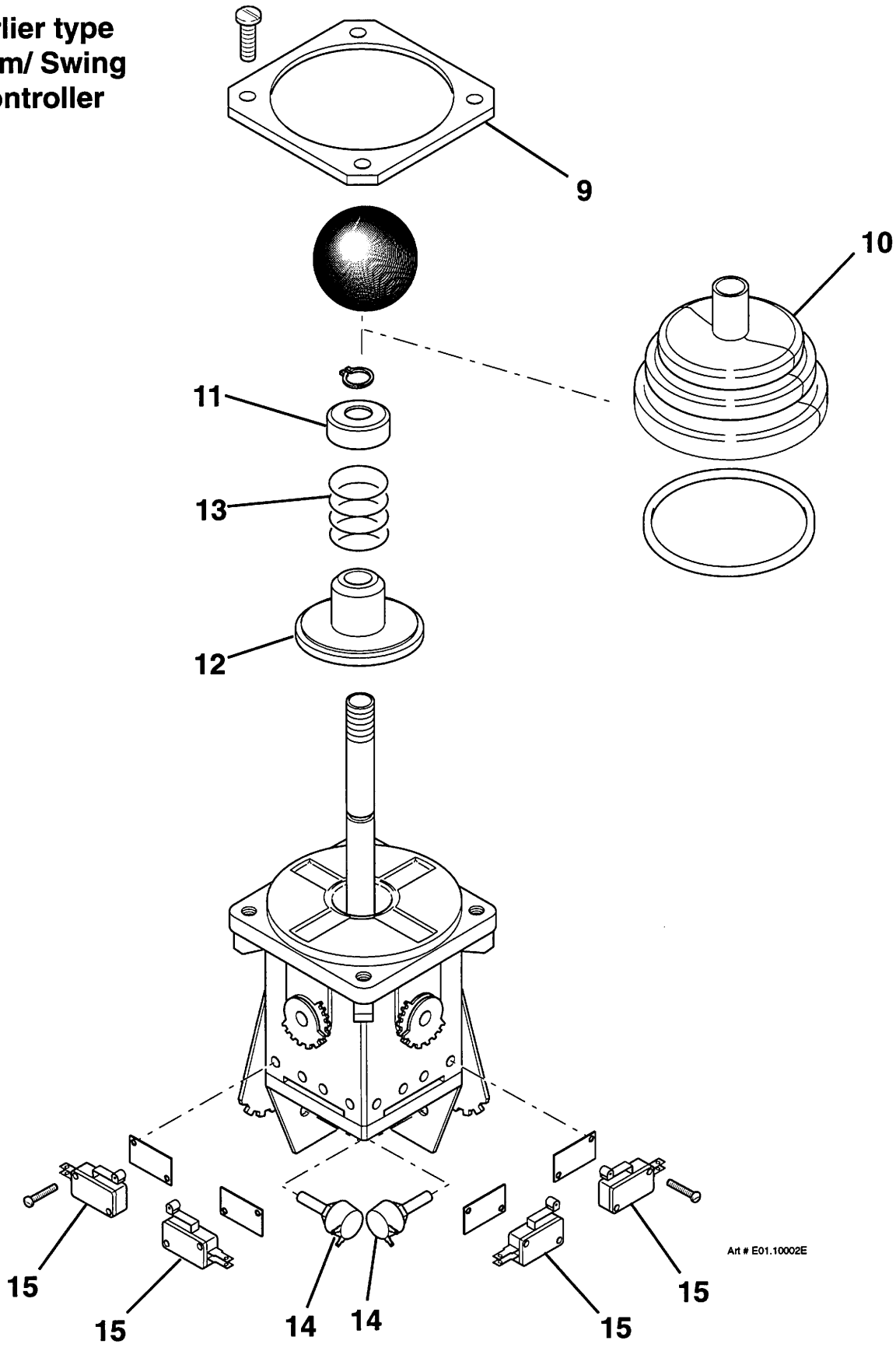
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
8	03-481800		CONTROLLER ASSEMBLY, DUAL AXIS (12 Volt, 33 Hz) (**Earlier** type, identified on nameplate "X" as "**JS54 M6539**") **Note:** Earlier type is illustrated on this page. For later type, see previous page.	1
9	03-481706		CLAMP, BOOT	1
10	03-481801		BOOT, HANDLE (Gaiter)	1
11	03-491004		CAP, HANDLE (Upper)	1
12	03-491005		CAP, HANDLE (Lower)	1
13	03-481707		SPRING, HANDLE	1
14	03-481902		POTENTIOMETER (10 K Ohm)	2
15	03-481802		MICRO SWITCH	4

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

PLATE NO.			PART NO.
E01.10	**SIMON AERIALS INC.**	REV. 07 NOV., 1994	

Earlier type Boom/ Swing Controller



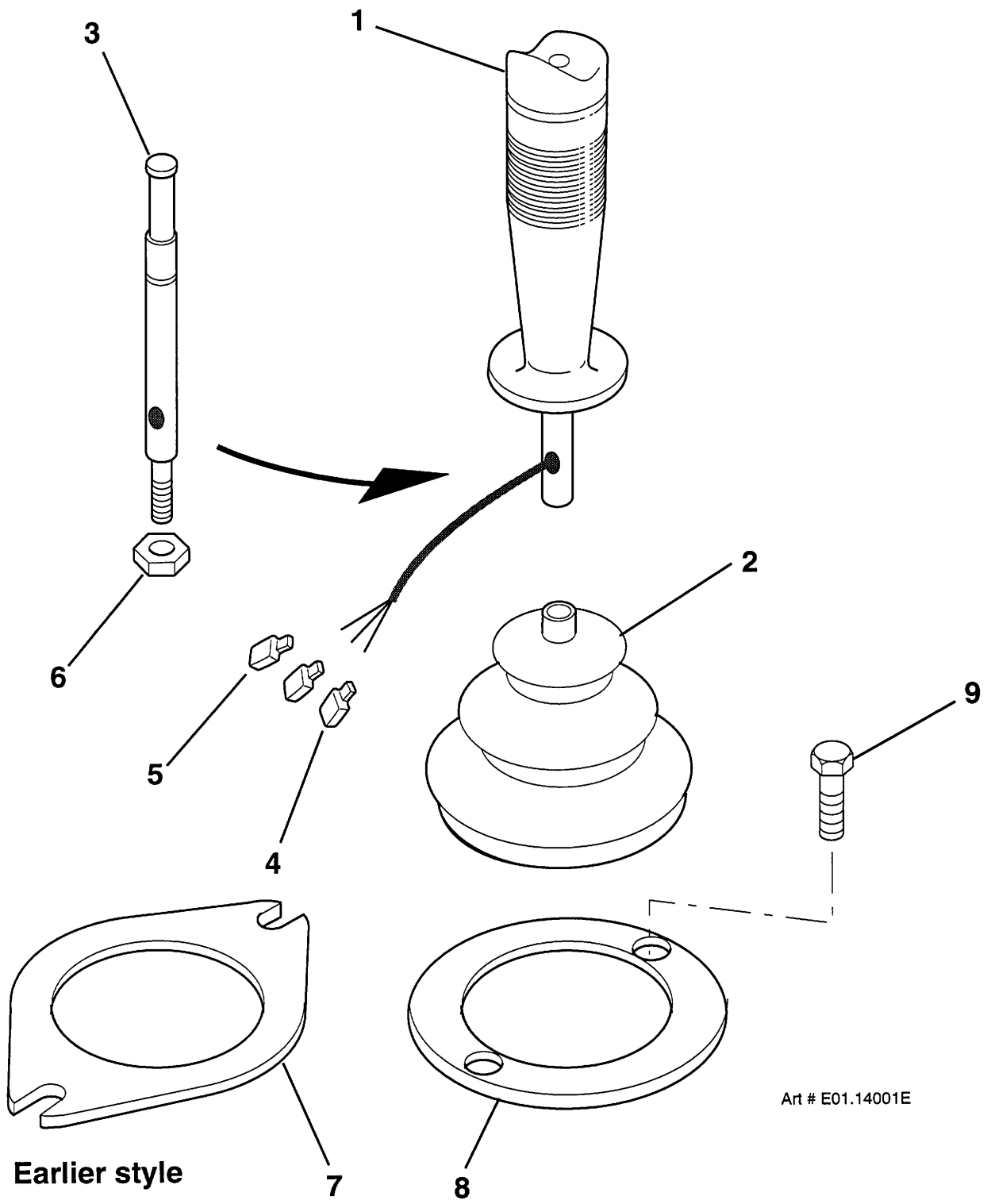
TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC. REV. 07 NOV., 1994	PART NO.	PLATE NO. E01.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-492700		HANDLE ASSEMBLY, DRIVE CONTROL (with boot) (Must be modified for this application. Discard shaft that comes with handle, and replace with Item 3.)	1
2			BOOT, DRIVE HANDLE (Not available separately. Comes only with handle)	1
3	2199980		SHAFT, DRIVE HANDLE	1
4	03-092000		COUPLING, MALE (Red, insulated, for #18-#22 AWG)	2
5	03-092200		COUPLING, MALE (Blue, insulated, for #14-#16 AWG)	1
			The following items **are not** part of the Drive control handle assembly:	
6	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
7	2112770		RING, BOOT RETAINING (earlier style)	1
8	2323140		RING, BOOT RETAINING (later style)	1
9	07-029365		SCREW, TEK (#12-14 x 1", self tap, bonded sealing head)	2

TITLE	DRIVE CONTROL HANDLE ASSEMBLY		
PLATE NO. E01.14	**SIMON AERIALS INC.**	REV. 01 MAR., 1994	PART NO. 3530010



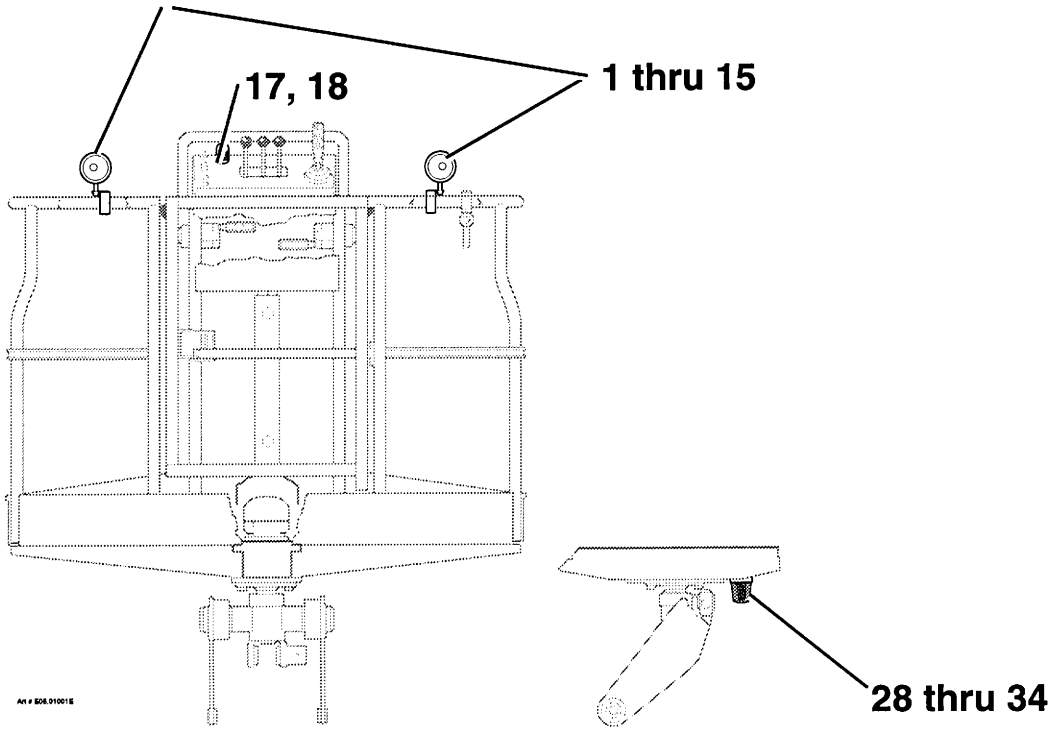
TITLE	DRIVE CONTROL HANDLE ASSEMBLY		
SIMON AERIALS INC. REV. 01 MAR., 1994		PART NO. 3530010	PLATE NO. E01.14

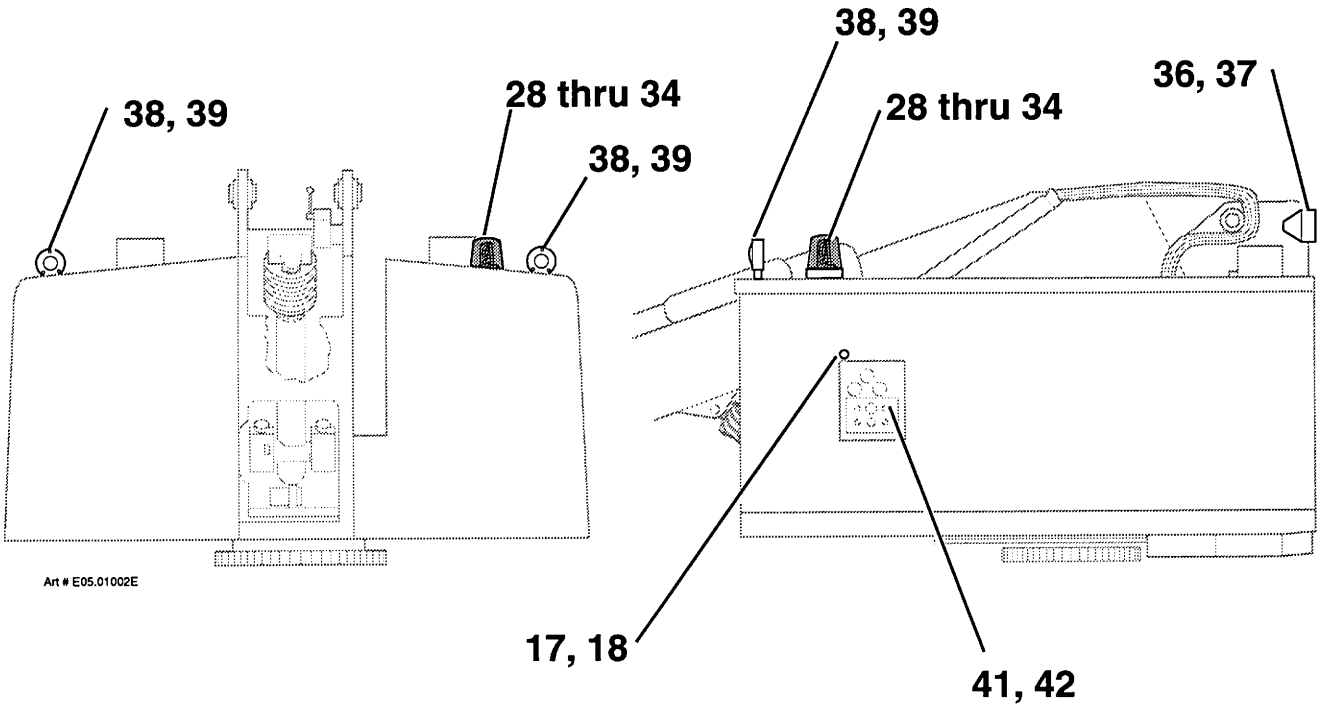
PARTS LIST

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)	
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.**



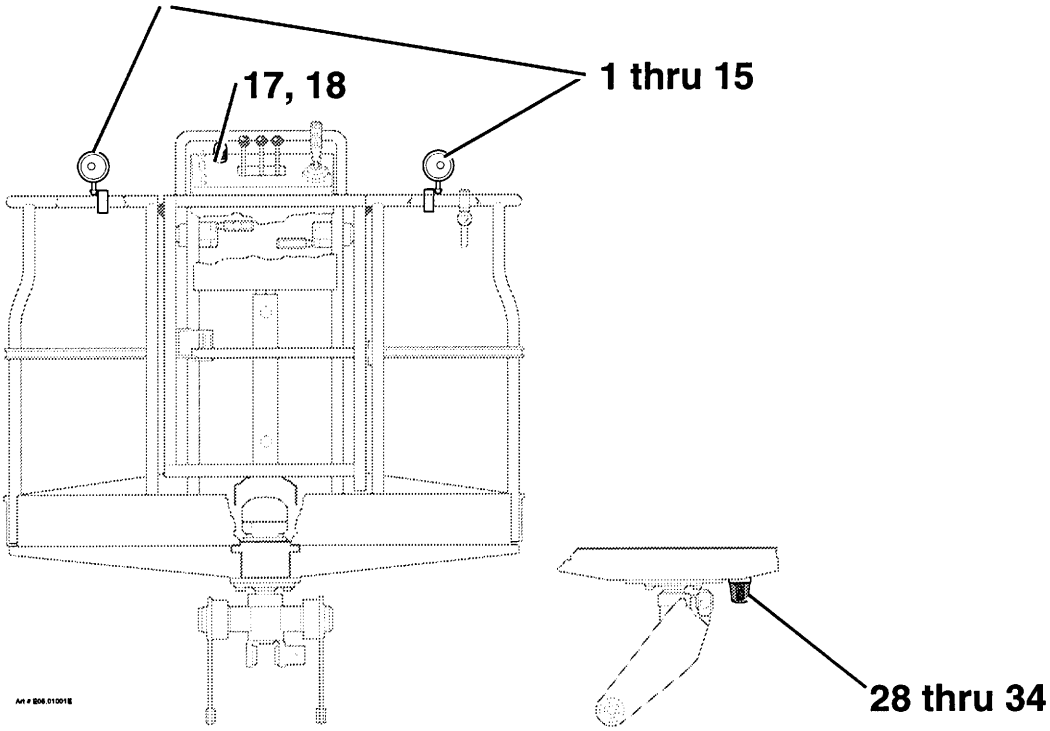


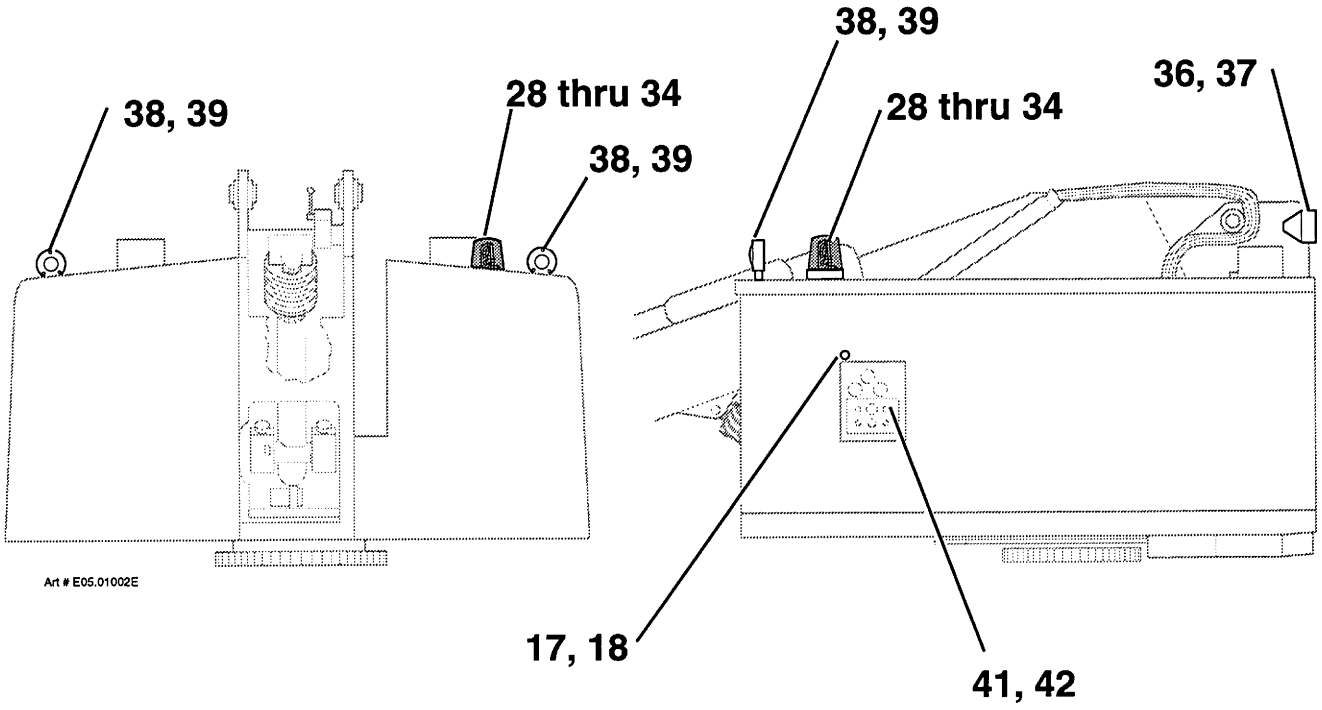
TITLE	OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 09 NOV., 1994		PART NO.	PLATE NO. E05.01

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.





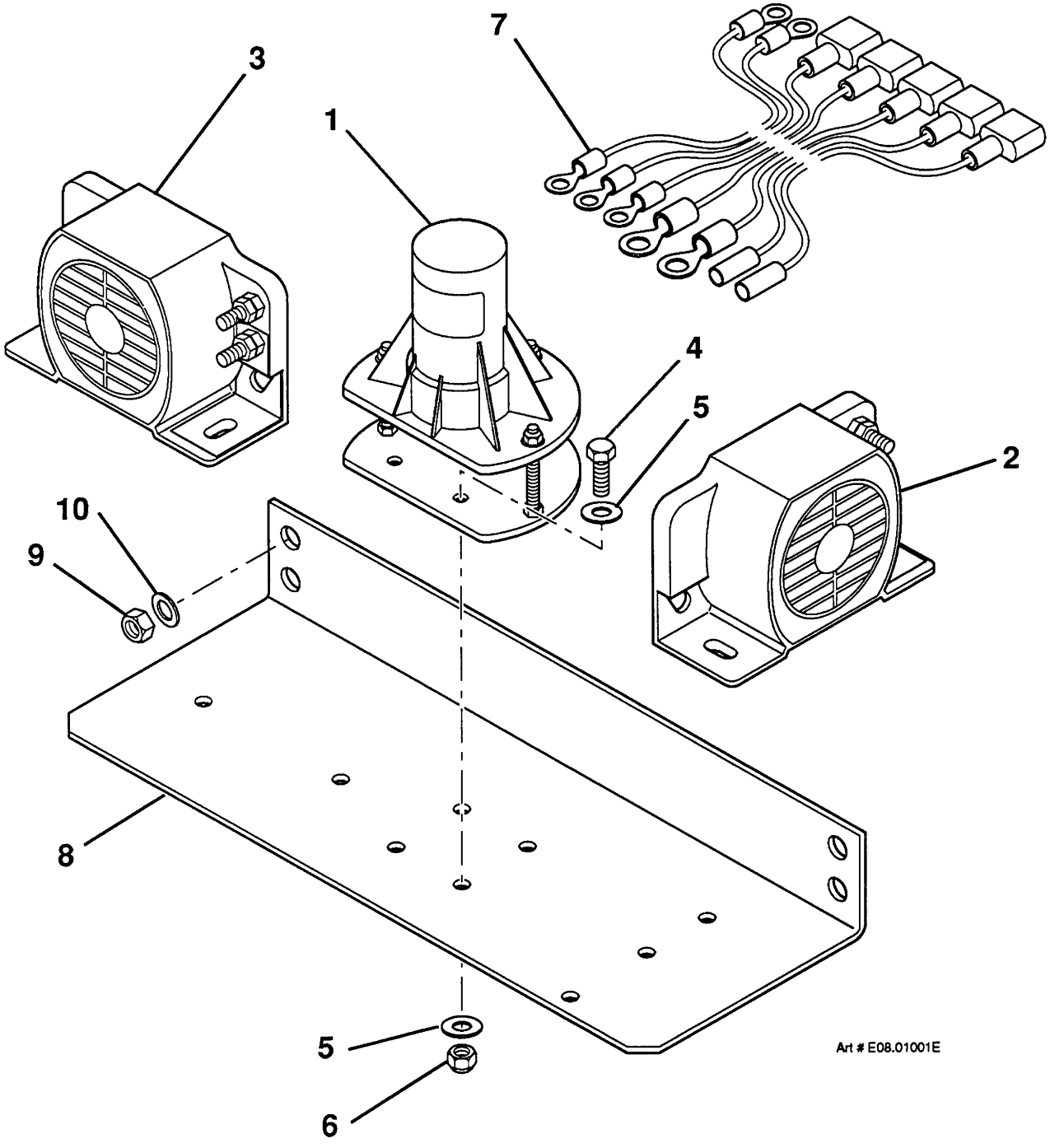
TITLE	OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)		
SIMON AERIALS INC.	REV. 09 NOV., 1994	PART NO.	PLATE NO. E05.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-038100		SENSOR, LEVEL (2 second delay)	1
2	03-464600		HORN, LEVEL WARNING (square, second type) (102 dba, 12/ 24 volt, marked "Model 530" on vendor label)	1
	03-036100		HORN, LEVEL WARNING (round, first type)	1
3	03-472000		ALARM, MOVEMENT (second type) (97 dba, 12 volt, marked "Model DT 500" on vendor label)	1
	03-038300		ALARM, MOVEMENT (first type, superceded by 03-472000) (marked "Model 340" on vendor label)	1
4	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	8
5	07-062014		WASHER, FLAT (1/4")	4
6	07-050014		NUT, STOP (1/4"-20, Grade 5)	4
7	03-439400		WIRE SET, ALARM	1
8	2056021		BRACKET, ALARM ASSEMBLY	1
9	07-040014		NUT, HEX (1/4"-20, Grade 5)	4
10	07-060014		WASHER, FLAT (1/4", SAE)	4

TITLE ALARM PACKAGE ASSEMBLY, MP

PLATE NO. E08.01 | **SIMON AERIALS INC.** NEW 03/11/91 | PART NO. 3505326

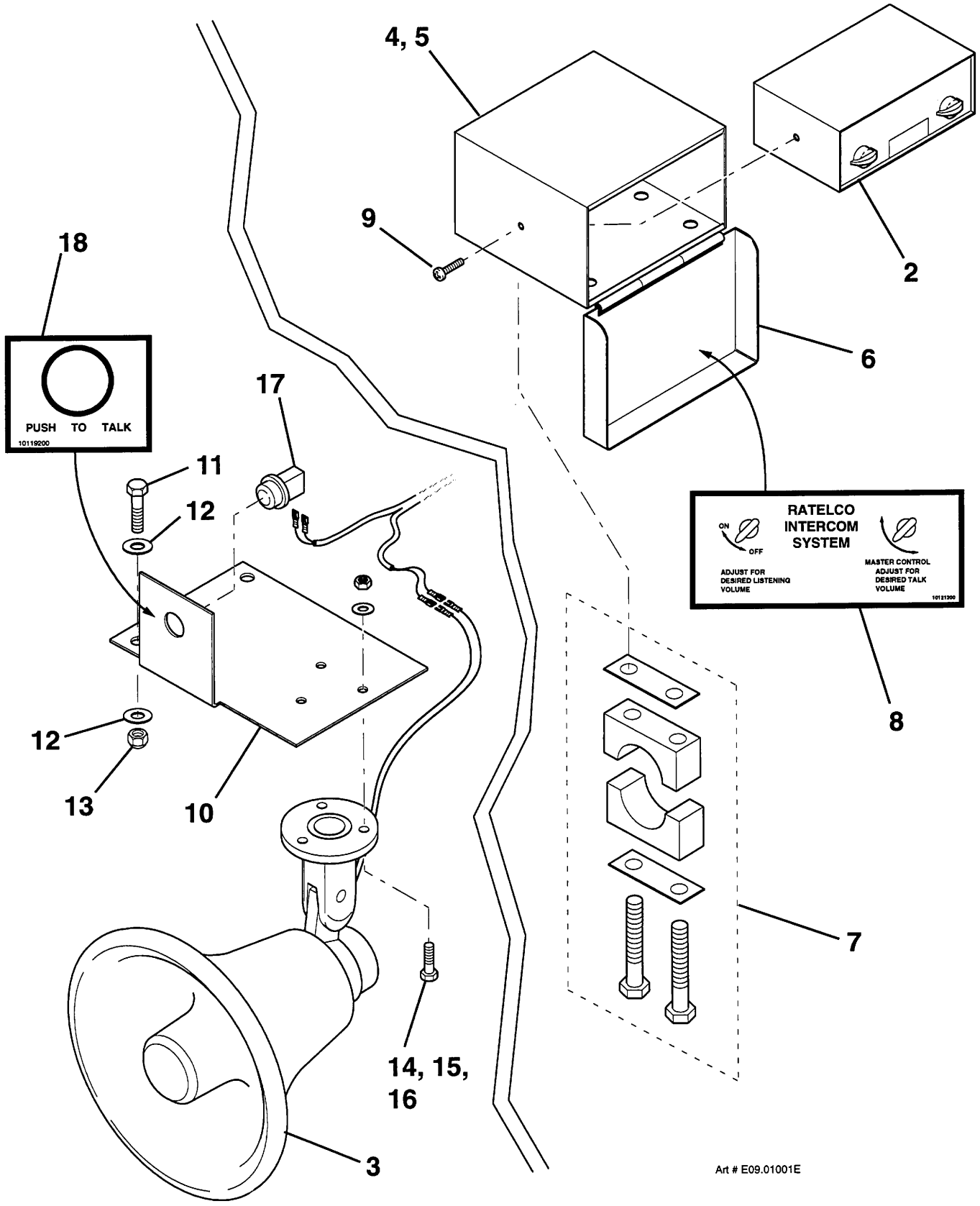


TITLE	ALARM PACKAGE ASSEMBLY, MP		
SIMON AERIALS INC.	NEW 03/11/91	PART NO. 3505326	PLATE NO. E08.01

PARTS LIST

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

TITLE	MOBILE INTERCOM SYSTEM (OPTION)			
PLATE NO.	E09.01	**SIMON AERIALS INC.**	NEW 02 MAY., 1994	PART NO.

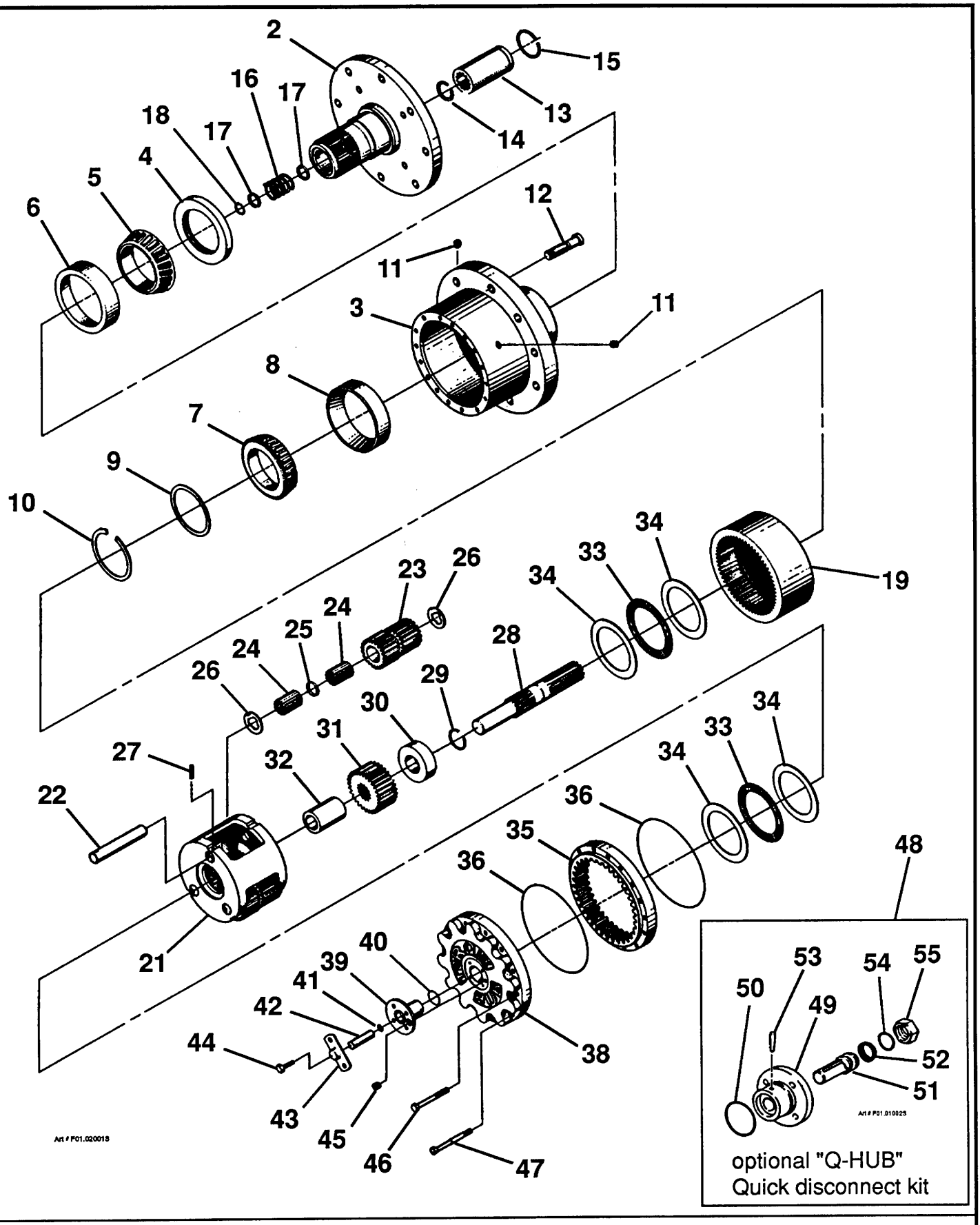


TITLE	MOBILE INTERCOM SYSTEM (OPTION)		
SIMON AERIALS INC.	NEW 02 MAY., 1994	PART NO.	PLATE NO. E09.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			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



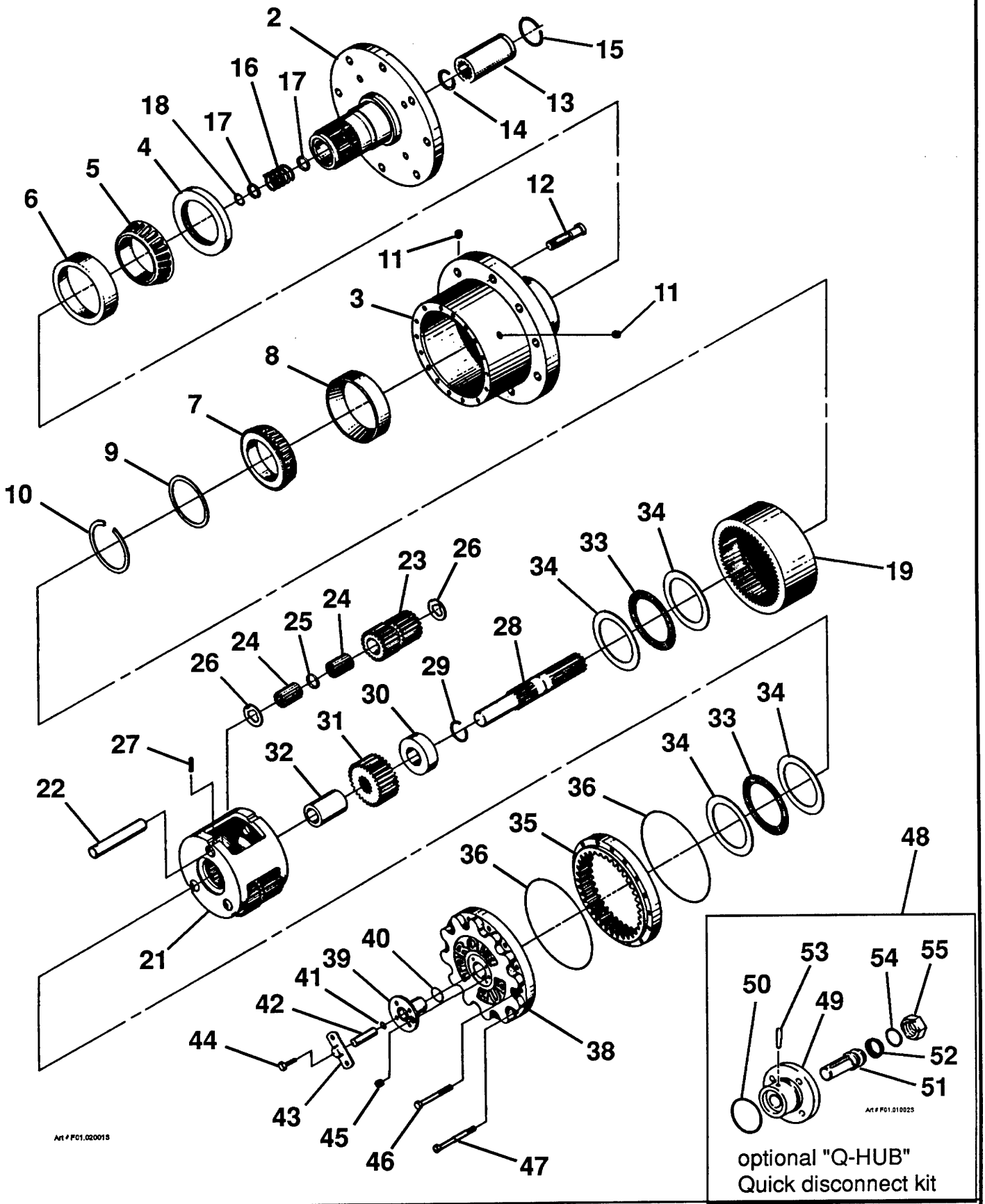
TITLE	TORQUE HUB (43:1) (PLATE 1 OF 2)		
SIMON AERIALS INC. REV.05/16/91		PART NO. 02-000600	PLATE NO. F01.02

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



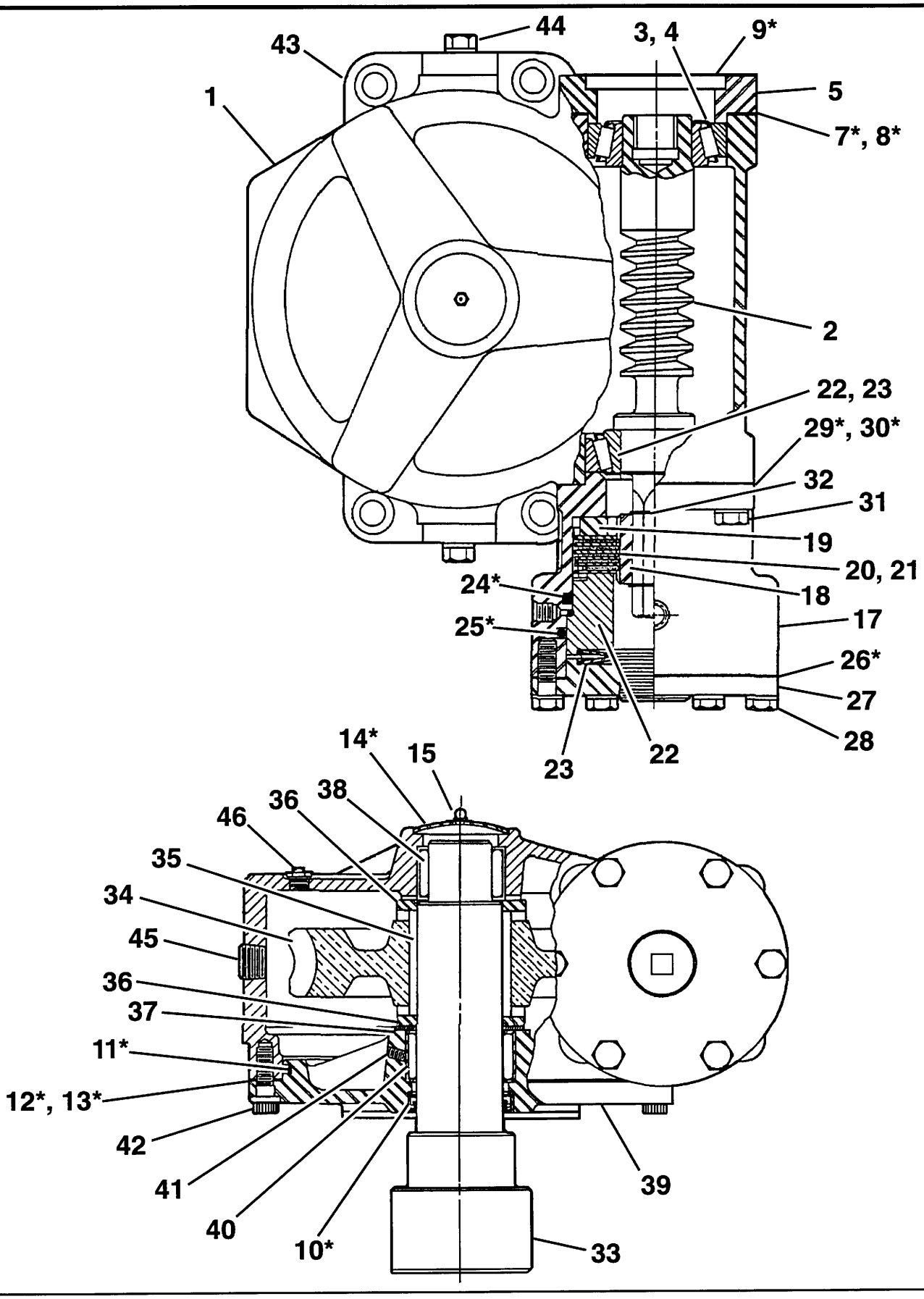
TITLE	TORQUE HUB (43:1) (PLATE 2 OF 2)		
SIMON AERIALS INC. REV.05/16/91	PART NO. 02-000600	PLATE NO. F01.02	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3	02-000423		CONE AND ROLLER, BEARING (1-5/8" [41 mm] bore)	2
4			CUP, BEARING	2
5			RETAINER, INPUT BEARING	1
6	02005101		SEAL KIT, SWING REDUCER	
			(Some items in seal kit are also part of brake assembly. Items in kit indicated by asterisks [*])	1
7	02-000409	*	GASKET, BEARING RETAINER (1/64" [0.4 mm])	1
8	02-000410	*	GASKET, BEARING RETAINER (1/32" [0.8 mm])	1
9		*	GASKET, MOTOR MOUNTING	1
10	02-000432	*	SEAL, OUTPUT SHAFT (2" [51 mm] I.D.)	1
11	02-000430	*	"O"-RING, COVER	1
12	02-000411	*	GASKET, COVER (1/64" [0.4 mm] red fiber)	A.R.
13	02-000412	*	GASKET, COVER (1/32" [0.8 mm] red fiber)	A.R.
14	02-000414	*	PLUG, EXPANSION (drilled for grease fitting)	1
15			FITTING, GREASE	1
16	02-005102		BRAKE ASSEMBLY	1
17			HOUSING, BRAKE	1
18			DRIVER, BRAKE	1
19			SPACER, BRAKE	1
20			PLATE, DRIVER	5
21	02-005103		DISC, BRAKE	6
22			PISTON	1
23			SPRING	2
24		*	"O"-RING	1
25		*	"O"-RING	1
26		*	GASKET, BRAKE COVER	1
27			COVER, BRAKE	1
28			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4")	6
29	02-000409	*	GASKET, BRAKE HOUSING (1/64" [0.4 mm])	1
30	02-000410	*	GASKET, BRAKE HOUSING (1/32" [0.8 mm])	1
31			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2")	4
32			RING, SNAP	2

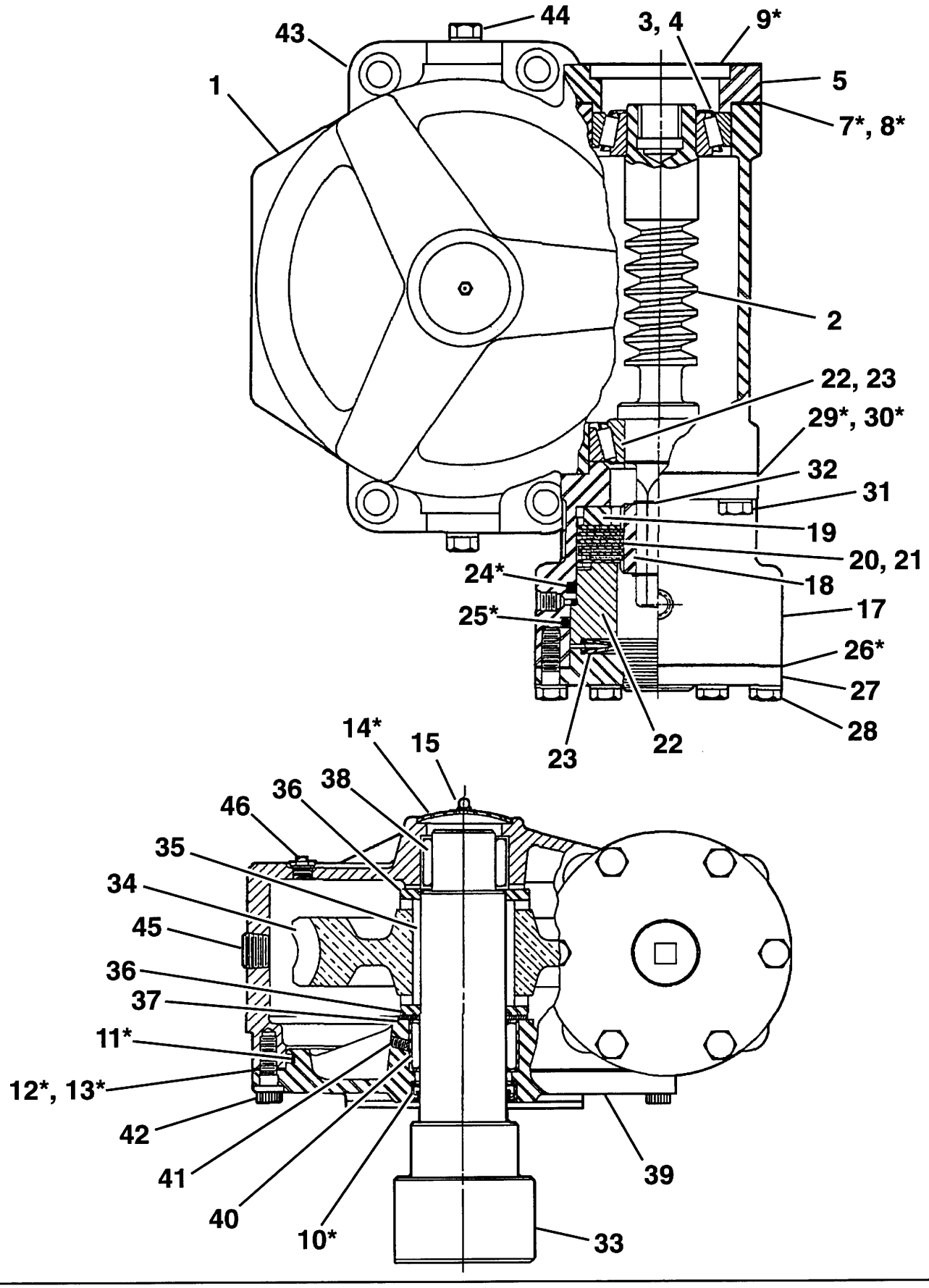
TITLE SWING REDUCER (PLATE 1 OF 2)

PLATE NO.			PART NO.
F02.02	**SIMON AERIALS INC.** REV. 25 AUG., 1993		02-005100



TITLE	SWING REDUCER (PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 25 AUG., 1993	PART NO. 02-005100	PLATE NO. F02.02	

ITEM	
33	
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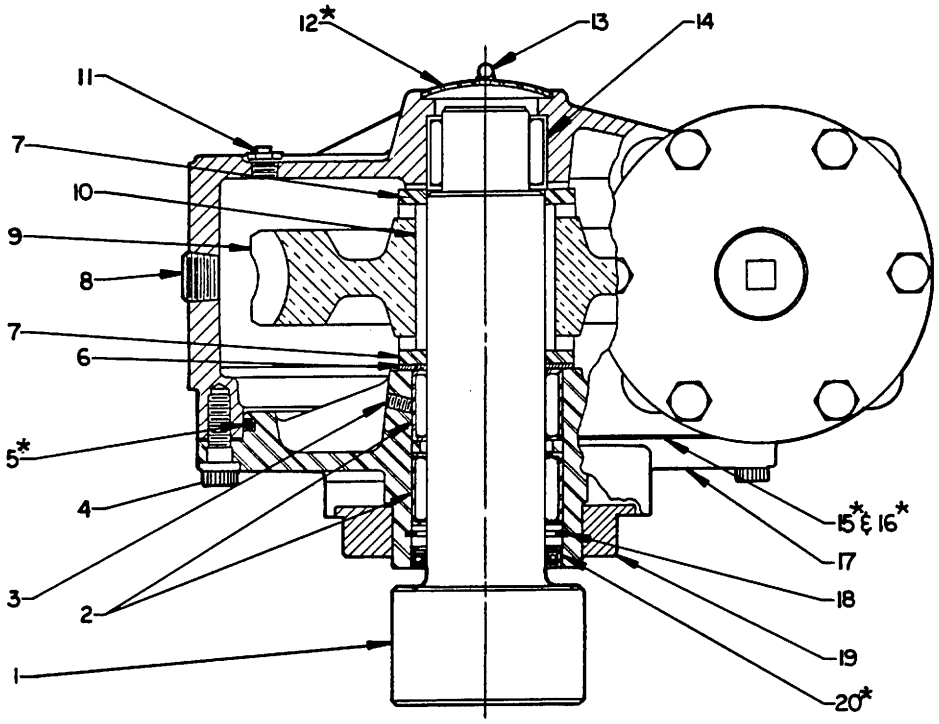
TITLE	SWING REDUCER (PLATE 2 OF 2)		
SIMON AERIALS INC. REV. 25 AUG., 1993	PART NO. 02-005100	PLATE NO. F02.02	

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			OUTPUT SHAFT	1
2			ROLLER BEARING	2
3			SET SCREW (NOT USED)	
4			FERRY CAP SCREW	5
5*	02-000430		'O' RING	1
6			SPACER	1
7			THRUST RING	2
8			PIPE PLUG	1
9			WORM GEAR	1
10			KEY	2
11	02-000439		VENT PLUG	1
12*	02-000414		EXPANSION PLUG	1
13			ZERK	1
14	02-000427		ROLLER BEARING	1
15*	02-000411		GASKET 1/64"	1
16*	02-000412		GASKET 1/32"	1
17			COVER	1
18			SNAP RING	1
19			ECCENTRIC RING	1
20*			SHAFT SEAL	1
21			HOUSING	1
22			BRACKET	2
23			H.H.C.S. 7/16-14X1" LG.	2
24			BEARING CUP	2
25	02-000423		BEARING CONE	2
26*			MOTOR GASKET	1
27			BEARING RETAINER	1
28*	02-000409		GASKET 1/64"	1
29*	02-000410		GASKET 1/32"	2
30			WORM	1
31			SNAP RING	2
32			BRAKE DRIVER	1
33●			FERRY CAP SCREW 7/16-14X1-1/2" LG.	4
34●			BRAKE HOUSING	1
35● *			GASKET	1
36●			BRAKE COVER	1
37			H.H.C.S. 7/16-14X1-1/4" LG.	6
38●			PISTON	1
39●			SPRING	2
40● *			'O' RING	1
41● *			'O' RING	1
42●	02-005103		BRAKE DISC	6
43●			DRIVER PLATE	5
44●			BRAKE SPACER	1
*	02-006301		SEAL KIT	1
●	02-005102		BRAKE ASSEMBLY	1

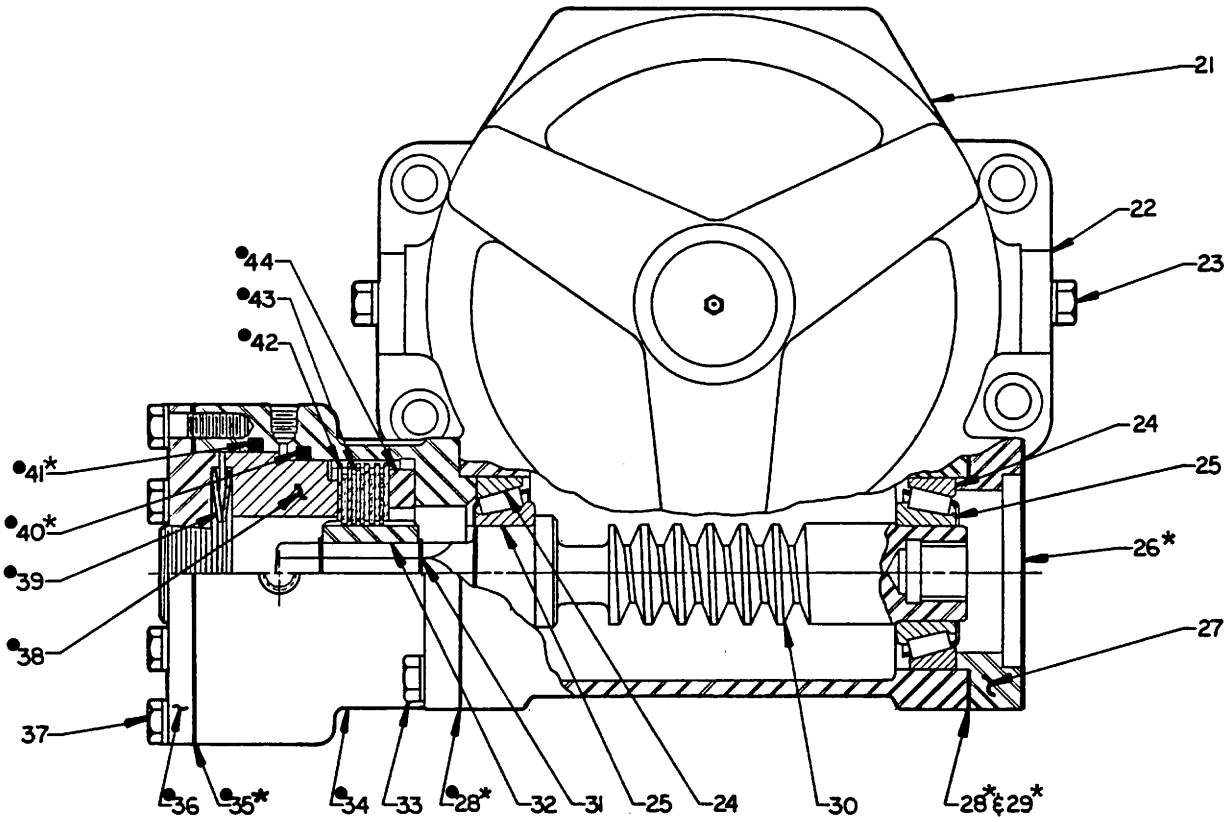
DESCRIPTION	PART NO.
SWING REDUCER	02-006300

72.8



NOTE:

* SEAL KIT P/N 02-006301
BRAKE ASSEMBLY P/N 02-005102



1084/0683

DESCRIPTION	PART NO.
SWING REDUCER	02-006300

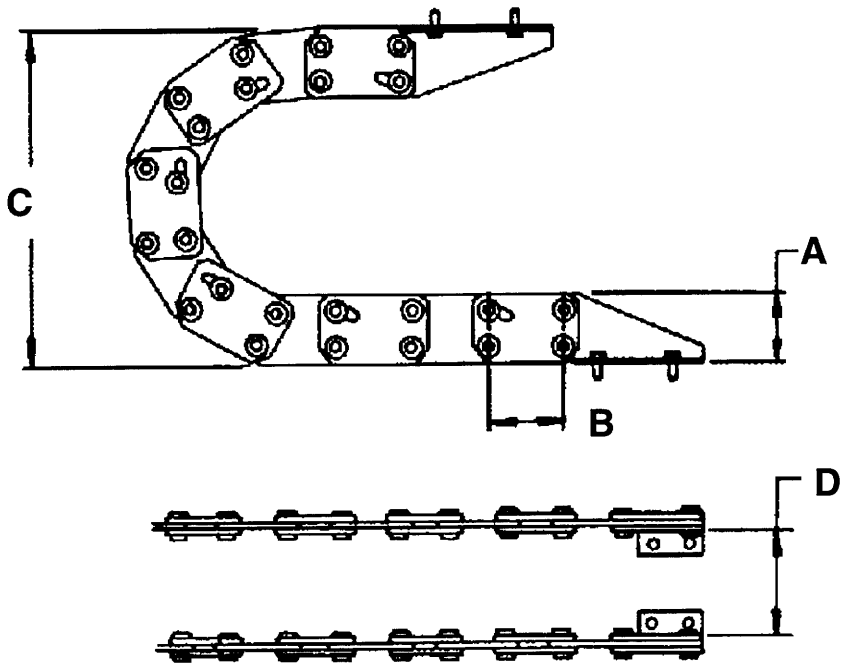
PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension "A"	"B"	"C"	"D"	No. of Links	Model Usage (ref. only)	Notes
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

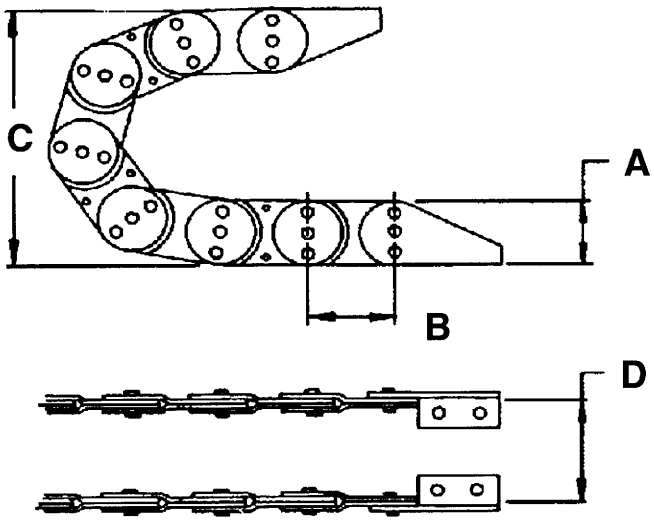
PARTS LIST

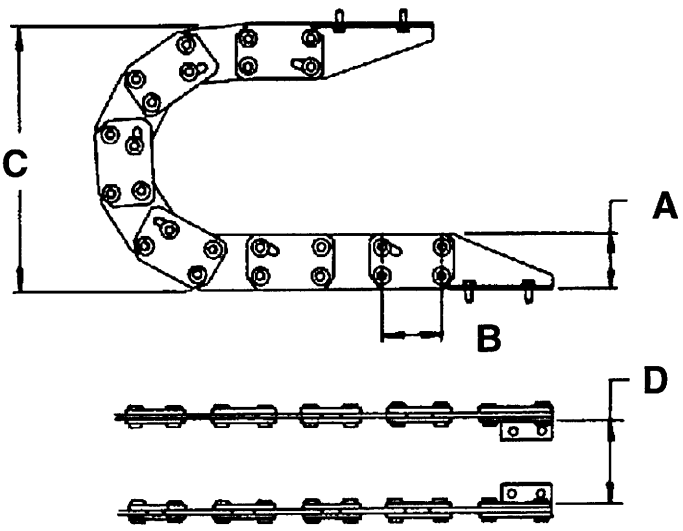
Section Number	Part Number	Track Style	Ref. Dimension "A"	"B"	"C"	"D"	No. of Links	Model Usage (ref. only)	Notes
Gleason Type 25, 35, 45 Hose Track (continued):									
F 3.33	08-011900	45	3-3/4"	5"	16"	6"	43	MPH 60 Full Hyd. MPH 60 Hydraport	not current production not current production
- - - - -	08-011901	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 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)

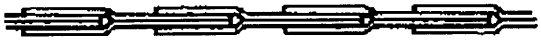
PLATE NO. F03 ALL | **SIMON AERIALS INC.** REV. 17 FEB., 1994 | **PART NO.**





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

GLEASON **A AND A**

TYPE	LINK CONSTRUCTION
25	
35	
45	

TYPE	LINK CONSTRUCTION
	

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)

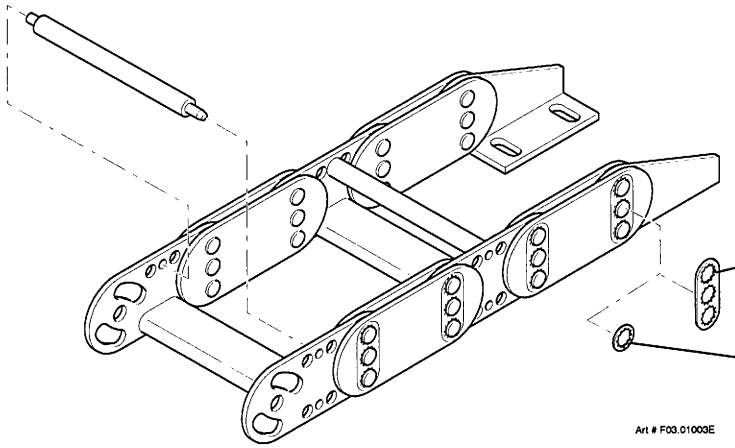
SIMON AERIALS INC. REV. 17 FEB., 1994	**PART NO.**	**PLATE NO.** F03 ALL

PARTS LIST

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

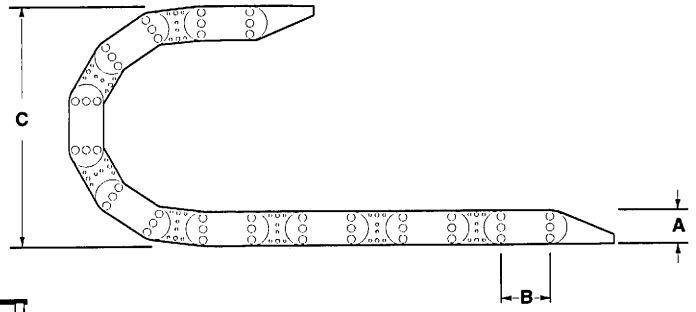


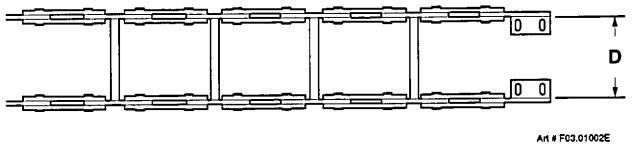
Triple Pushnut used for factory installation only.

Single Pushnut is available for service. See chart.

GLEASON

TYPE	LINK CONSTRUCTION
35E	
45E	





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