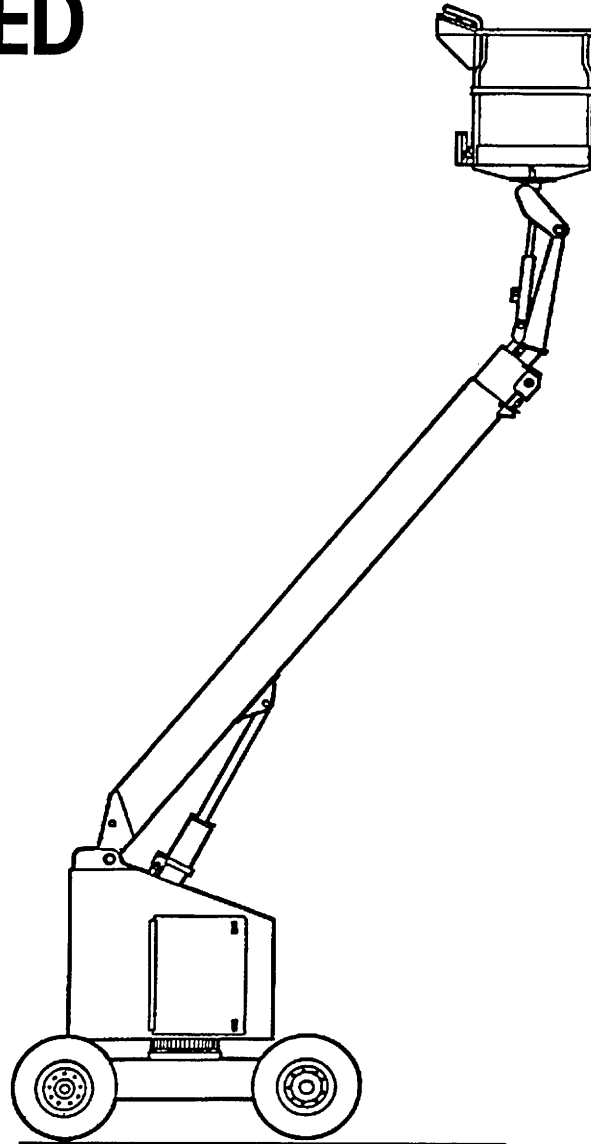


MODEL MPN 60

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-161005

INTRODUCTION

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

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

HOW TO USE THIS CATALOG

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

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

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

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

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

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

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

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

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

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

When ordering parts, always give:

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

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

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

Serial Number for your machine

SECTION INDEX

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

D 6

D 7

D 8

Swing Motor							
Emergency Pump	.04	.04	.04	.04	.04	.04	.04
Main Hydraulic Pump	.08	.08	.13	.13	.13	.13	.13

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

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



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

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

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

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

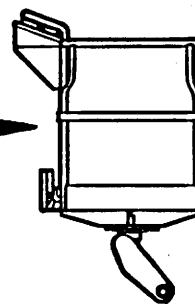
- 4. Parts Plate number, Item Number and Description of the desired item, OR
- 5. Part Number of the next assembly ("Parent" Part), if the desired item is not listed.

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

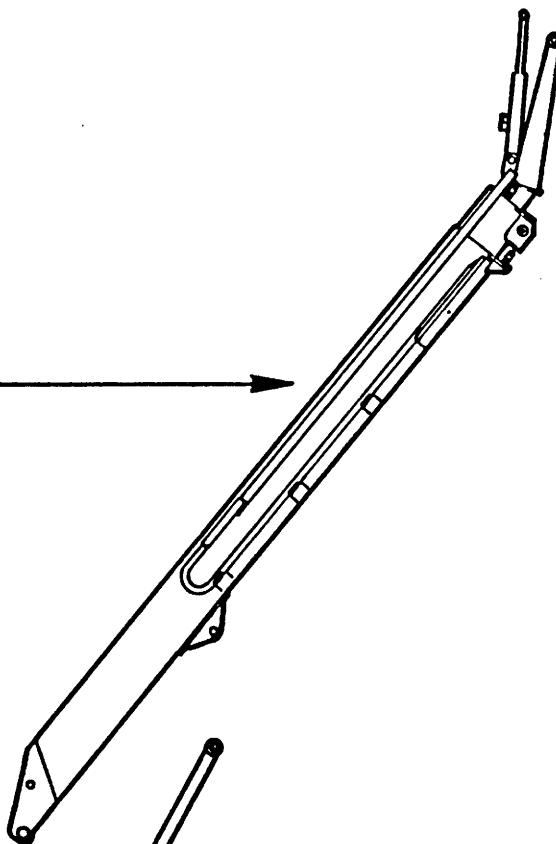
SIMON AERIALS INC. reserves the right to change, improve, modify or expand features of its equipment. Therefore, specifications, models or equipment are subject to change without notice, and without incurring obligation to change, improve, modify or expand features of previously delivered units.

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

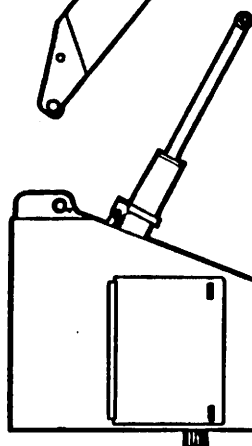
PLATFORM
B4



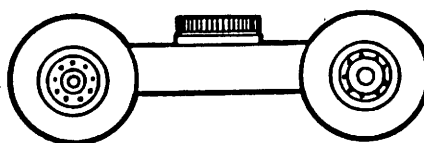
BOOM
B3



SUPERSTRUCTURE
B2



UNDERCARRIAGE
B1



DESCRIPTION

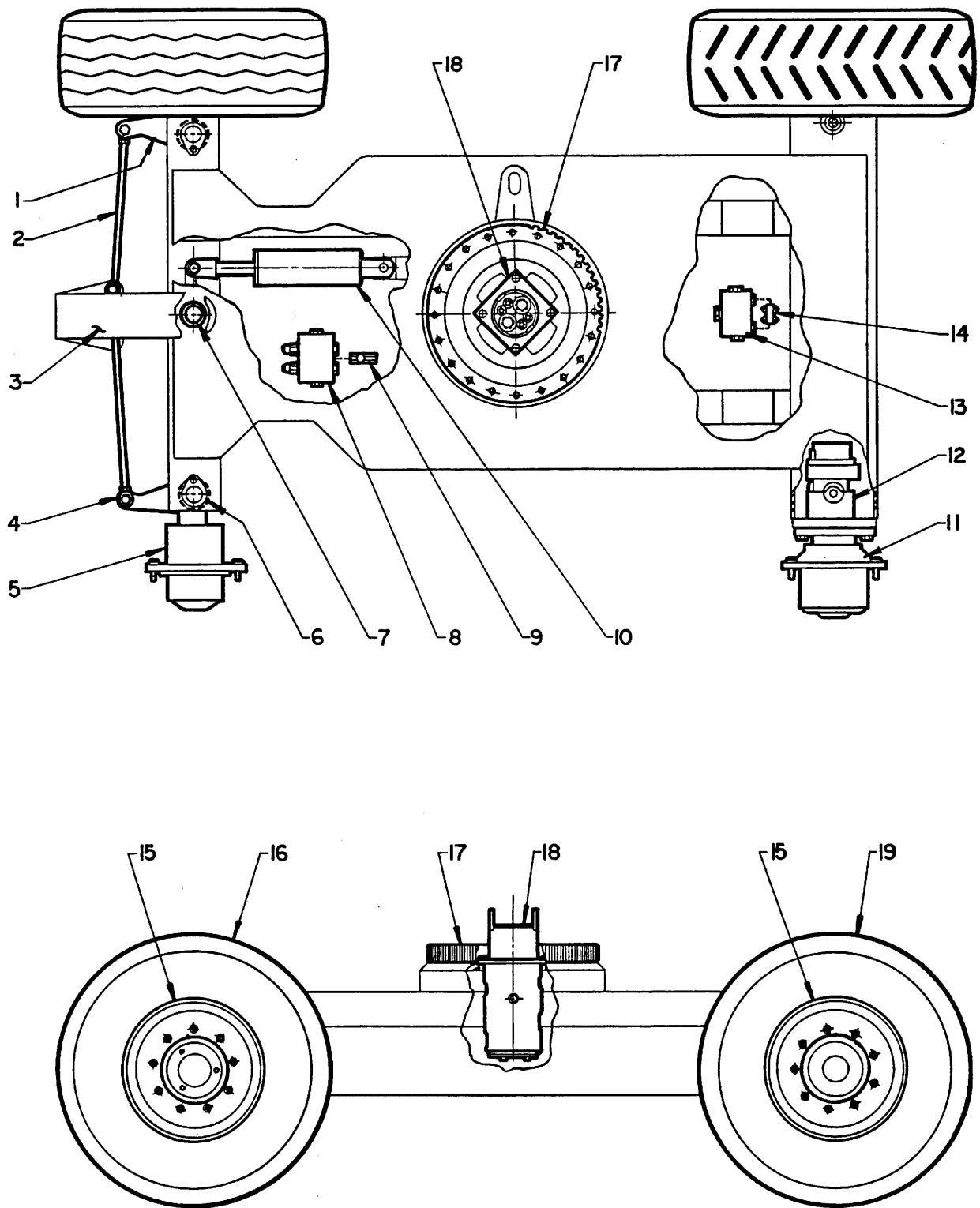
MPN60 MACHINE ASSEMBLY

PART NO.

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	C1.6	TIE ROD END	4
5	SEA-206183-4		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	D2	STEER TIRE	2
17	08-000200		SWING BEARING	1
18	SEE INDEX		HYDRAULIC SWIVEL	1
19	02-001400		DRIVE TIRE	2
DESCRIPTION			PART NO.	
UNDERCARRIAGE ASSEMBLY			CAA-209804-5	

B1.14



1085/1085

DESCRIPTION

UNDERCARRIAGE ASSEMBLY

PART NO.

CAA-209804-5

PARTS LIST

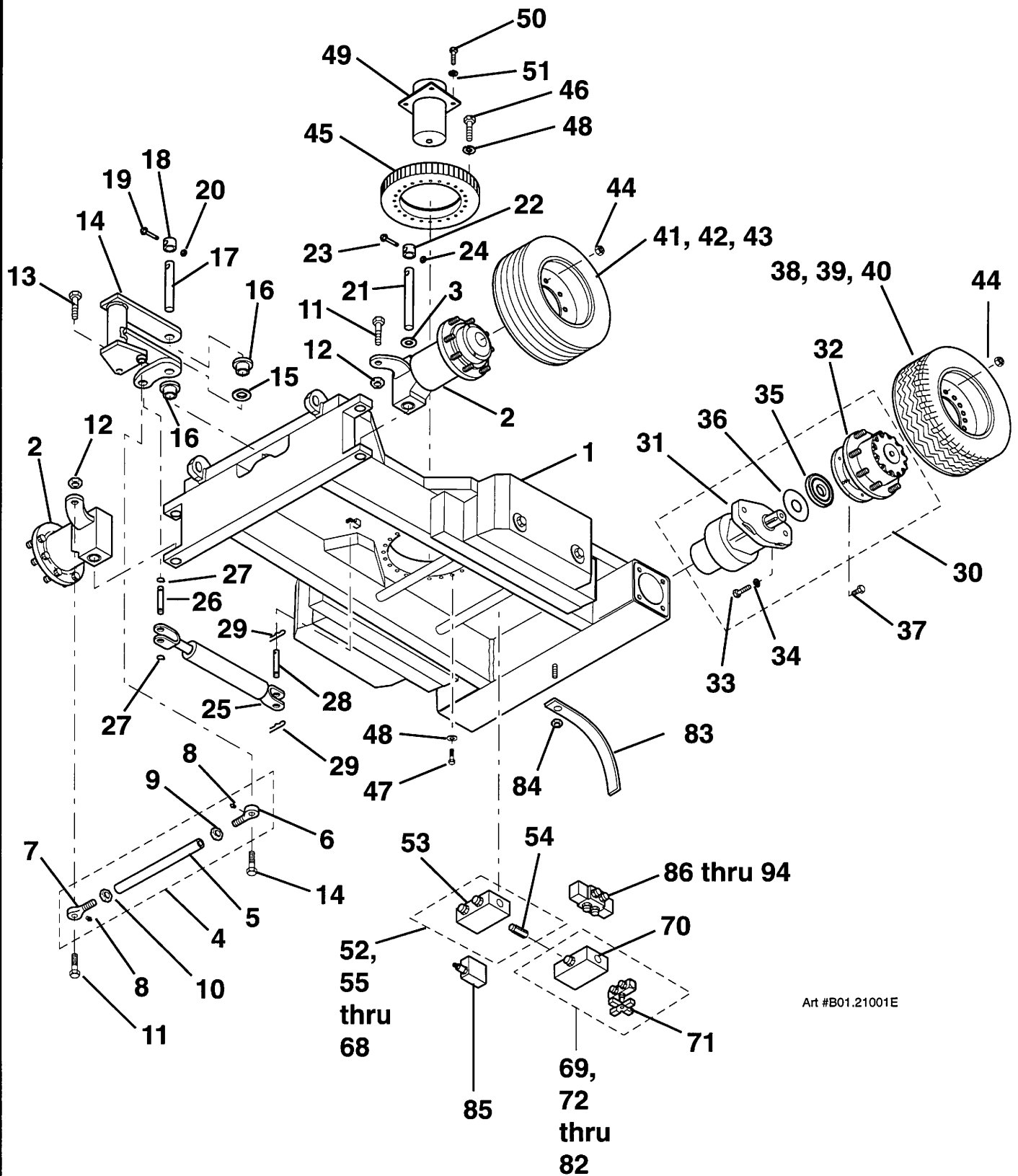
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			UNDERCARRIAGE WELDMENT (for two-wheel drive)	1
2	350 2495	C01.14	SPINDLE ASSEMBLY (Right hand) (for two-wheel drive)	1
	350 3089	C01.15	SPINDLE ASSEMBLY (Left hand) (for two-wheel drive)	1
3	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	2
4	351 0483		TIE ROD ASSEMBLY	2
5	210 5110		TIE ROD	1
6	08-007100		END, TIE ROD (R.H. thread)	1
7	08-060600		END, TIE ROD (L.H. thread)	1
8	08-053100		FITTING, GREASE (1/4"-28, Straight)	2
9	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 2)	1
10	07-047222		NUT, JAM (3/4"-16, L.H. thread, Grade 2)	1
11	07-004650		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/4", Grade 8)	2
12	07-047122		NUT, HEX JAM (3/4"-16, Grade 2)	2
13	07-004651		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/2", Grade 8)	2
14			ARM, CENTER STEER (without tow package)	1
	200 4208		Steer arm pivot to cylinder dimension is 6.5" (165 mm).	1
	230 2530		Pivot to cylinder dim. 6.84" (174 mm) (later 4WD versions).	1
	210 3610		ARM, CENTER STEER (with tow package)	1
15	200 4277		SPACER, CENTER STEER ARM (7/8" [22 mm] thick)	1
16	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4"-2" O.D., 1-1/2" dia.)	2
17	218 6910		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	1
18	214 4330		COLLAR, LOCK (1-1/2")	1
19	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
20	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
21	210 5980		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	2
22	210 6320		COLLAR, LOCK (1-1/2")	2
23	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
24	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
25	See index	D01.--	CYLINDER, STEER	1
26	217 1250		PIN, STEER CYLINDER (1" dia. x 3-7/16") (rod end)	1
27	08-040600		RING, RETAINING (1")	2
28	04-003401		PIN, STEER CYLINDER (1" dia. x 3-1/2" long) (base end)	1
29	04-003404		CLIP, HAIR PIN	2
30			DRIVE HUB ASSEMBLY	2
31	See index	D03.--	MOTOR, HYDRAULIC (with brake)	1
32	See index	F01.--	HUB, TORQUE	1
33	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
34	07-065018		WASHER, HELICAL LOCK (1/2")	2
35	01-030900		SEAL, MOTOR TO TORQUE HUB	A.R.
36	217 6980		SPACER, MOTOR TO TORQUE HUB	A.R.
37	07-004087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	12
For 4WD components, see plate B01.18 or B01.27.				

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 1 OF 3)

PLATE NO. B01.21 **SIMON AERIALS INC.**

REV. 02 FEB., 1995

PART NO.



Art #B01.21001E

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 02 FEB., 1995

PART
NO.

PLATE
NO. B01.21

PARTS LIST

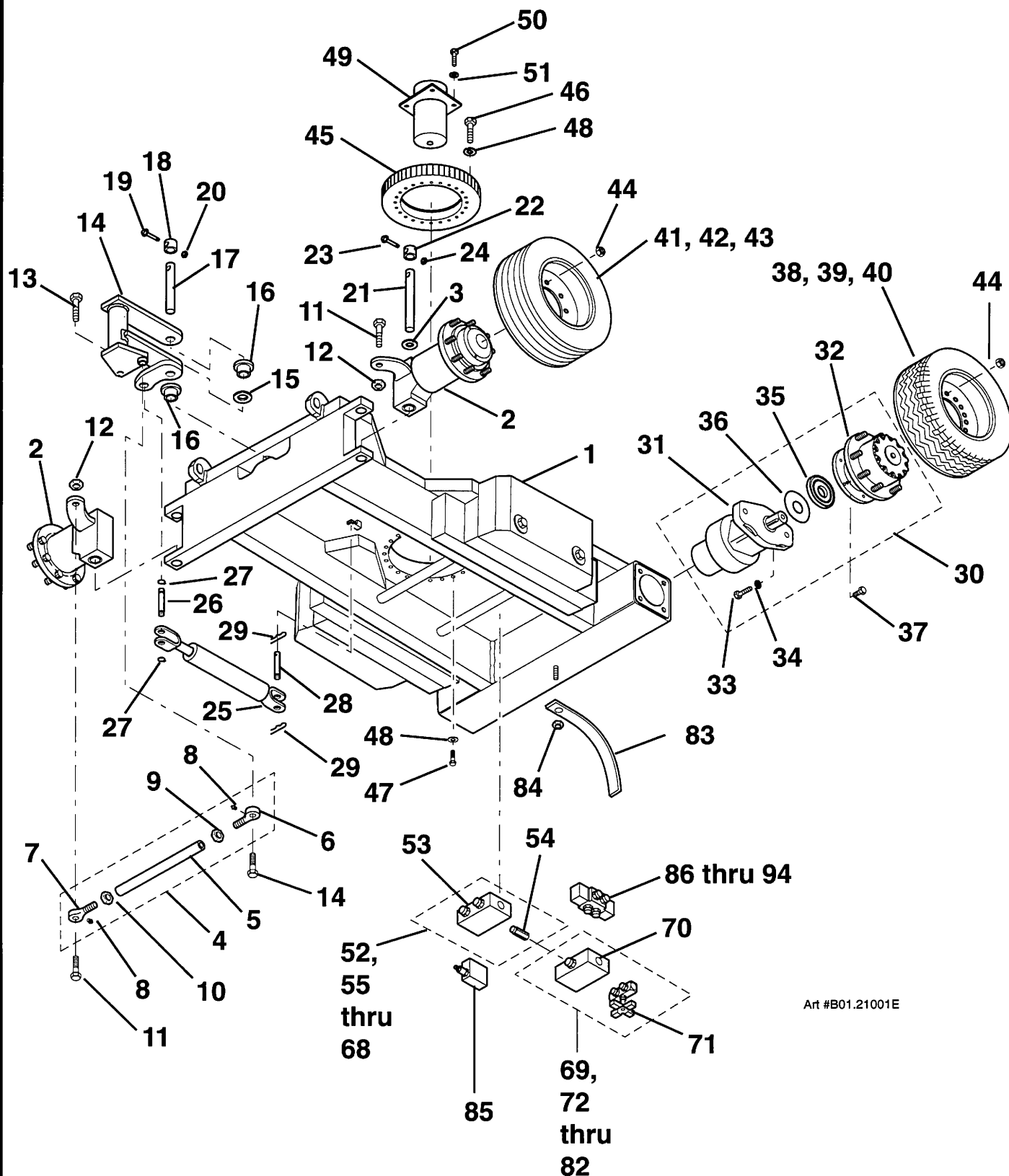
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: When replacing tires, or tire and wheel assemblies, it is important that left and right sides of a single axle match in brand and type. Refer to tire descriptions below:	
38	351 5620		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	351 5710		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
39	02-024700		TIRE (15-19.5 " Jumbo Super All Grip " Tubeless)	1
40	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
38	350 3104		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	350 8460		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
39	02-001300		TIRE (15-19.5 " Custom Xtra Grip " Tubeless)	1
40	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
38	354 0830		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	354 0840		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
39	02-047800		TIRE (15-19.5 " Loader Lug " 14 Ply Tubeless)	1
40	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
41	351 5630		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	351 5720		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
42	02-024800		TIRE (15-19.5 " Jumbo Jet Cargo " Tubeless)	1
43	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
41	351 0016		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	350 8534		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
42	02-001200		TIRE (15-19.5 " Custom Hi-Miler " Tubeless)	1
43	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
44	07-058123		NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40
45	08-057100		SWING BEARING	1
46	07-004655		CAP SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	18
47	07-004152		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
48	07-061022		WASHER, FLAT (3/4" SAE)	18
49	See index	D02.--	SWIVEL, HYDRAULIC	1
50	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
51	07-065018		WASHER, HELICAL LOCK (1/2")	4
52	351 8230		VALVE ASSEMBLY, MOTION CONTROL	1
53	01-013100		VALVE, MOTION CONTROL (10:1 pilot ratio)	1
54	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	1
55	06-021300		TEE, UNION (12 JTX-S)	1
56	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	1

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 2 OF 3)

PLATE NO. B01.21 **SIMON AERIALS INC.**

REV. 02 FEB., 1995

PART NO.



Art #B01.21001E

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 02 FEB., 1995

PART
NO.

PLATE
NO. **B01.21**

PARTS LIST

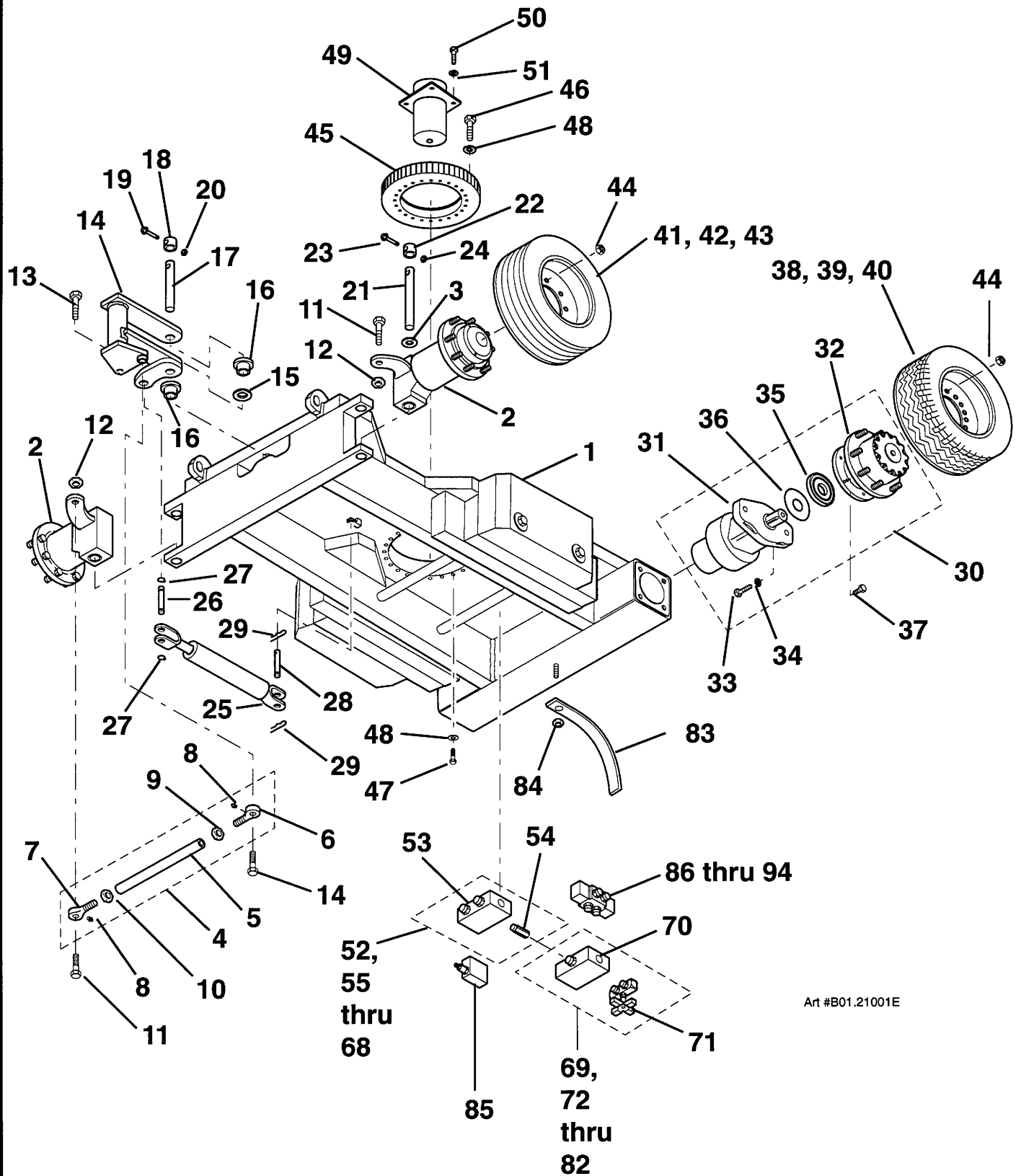
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			VALVE ASSEMBLY, MOTION CONTROL (continued)	1
57	06-041100		CONNECTOR, STRAIGHT THREAD (12-16 F50X-S)	2
58	06-044500		ELBOW, STRAIGHT THREAD (6-4C50X-S)	1
59	06-045600		ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
60	06-050000		TEE, STRAIGHT THREAD (6 S50X-S)	1
61	350 7665		TUBE ASSEMBLY	1
62	06-057800		NUT, TUBE (12 BTX-S)	2
63	06-059300		SLEEVE (12TX-S)	2
64			TUBE	1
65	350 7867		TUBE ASSEMBLY	1
66	06-057500		NUT, TUBE (6 BTX-S)	2
67	06-059000		SLEEVE (6TX-S)	2
68			TUBE	1
69	351 8250		VALVE ASSEMBLY, FLOW DIVIDER	1
70	01-018300		VALVE, FLOW DIVIDER	1
71	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1
72	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
73	06-003800		ELBOW, MALE (6 CTX-S)	2
74	06-012300		RUN TEE, MALE (12 RTX-S)	2
75	06-051800		ELBOW, SWIVEL NUT (12 C6X-S)	1
76	06-054800		RUN TEE, SWIVEL NUT (12 R6X-S)	2
77	06-057800		NUT, TUBE (12 BTX-S)	2
78	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	2
79	350 7654		TUBE ASSEMBLY	2
80	06-057500		NUT, TUBE (6 BTX-S)	2
81	06-059000		SLEEVE (6TX-S)	2
82			TUBE	1
83	03-472100		STRAP, GROUNDING (optional)	1
84	07-058400		NUT, HEX (1/2") (for grounding strap)	1
85	01-011400		VALVE, CARTRIDGE RELIEF	1
			Items below used on two-wheel drive units with two-speed drive option:	
86	351 8240		VALVE ASSEMBLY, SELECTOR	1
87	01-062000		VALVE, HI/ LOW SPEED DRIVE (Pilot operated)	1
88	01-062001		SEAL KIT, HI/ LOW SPEED DRIVE VALVE	1
89	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X-S)	3
90	06-044500		ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
91	06-045400		ELBOW, STRAIGHT THREAD (12 C50X-S)	3
92	06-056300		TEE, SWIVEL (12S6X-S)	1
93	06-057800		NUT, TUBE (12 BTX-S)	1
94	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	1

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 3 OF 3)

PLATE NO. **B01.21** **SIMON AERIALS INC.**

REV. 02 FEB., 1995

PART NO.



Art #B01.21001E

TITLE UNDERCARRIAGE, MPH 60, MP60Z, MP70 & MP 80 (2WD) (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 02 FEB., 1995

PART
NO.

PLATE
NO. **B01.21**

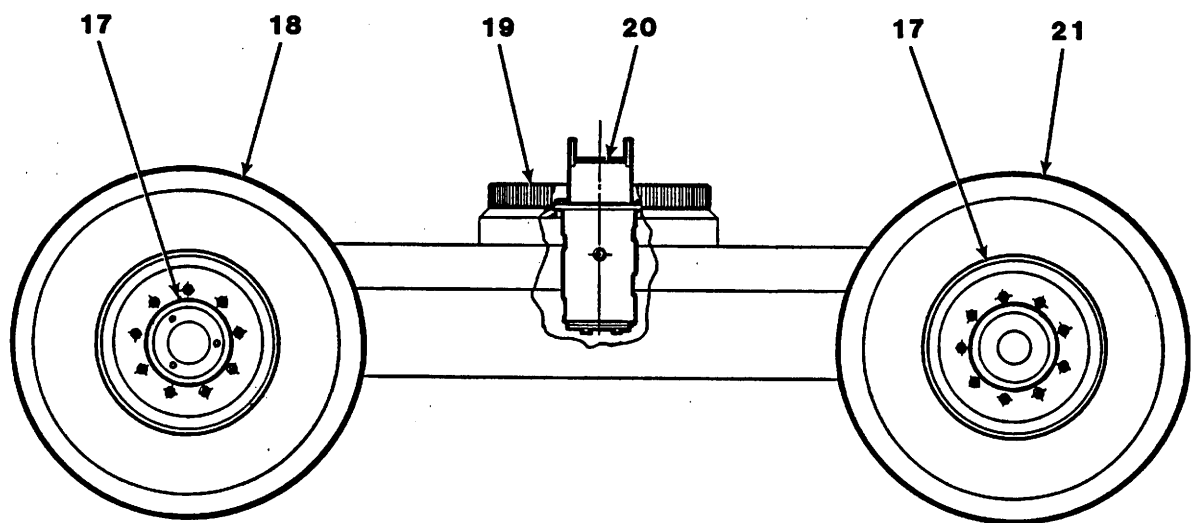
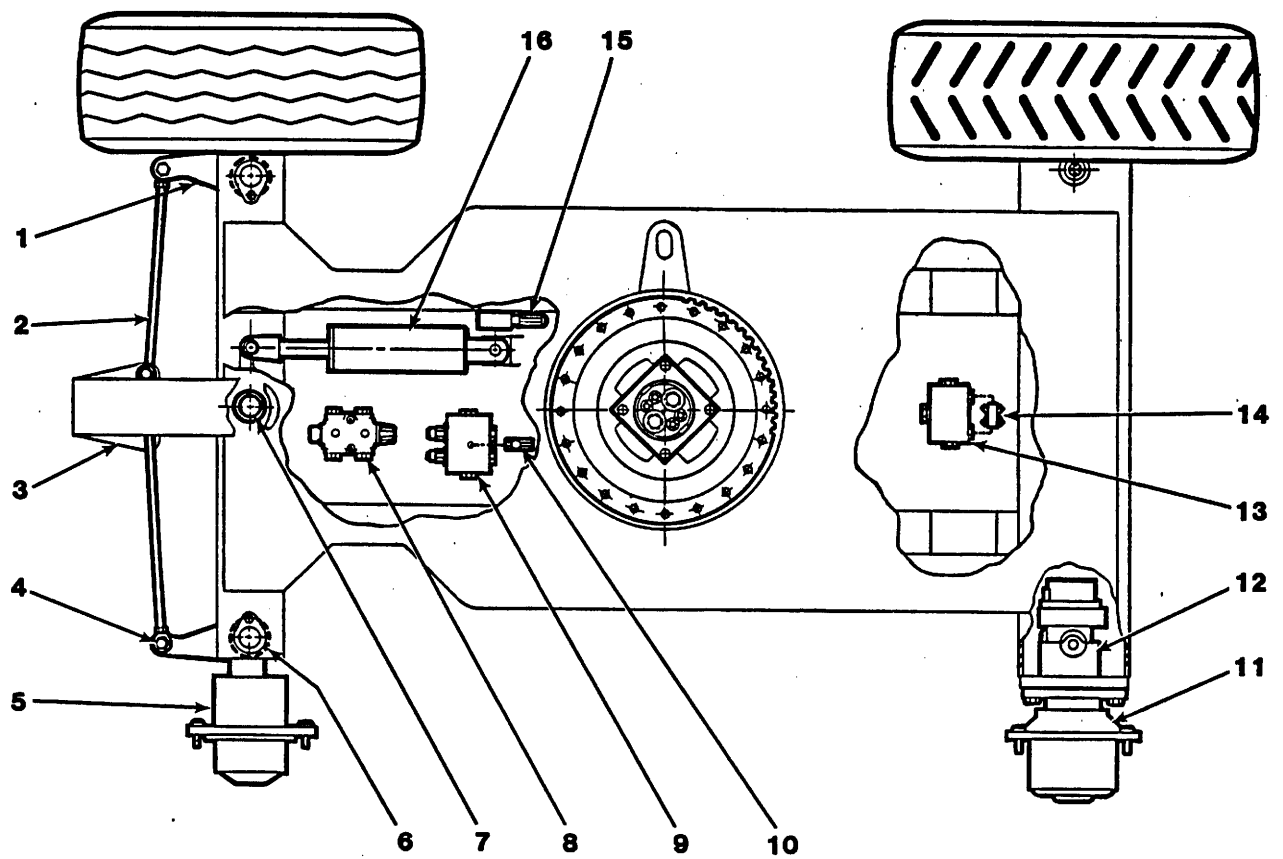
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	3502495	C1.5	R.H. SPINDLE ASSEMBLY	1
2	2123210		TIE ROD	2
3	SDW-200420-8		CENTER STEER ARM	1
4	08-007100	C1.6	TIE ROD END - R.H. THREAD	2
4	08-060600		TIE ROD END - L.H. THREAD	2
5	3505944		L.H. SPINDLE ASSEMBLY	1
6	08-014100		THRUST WASHER	2
7	08-002000		FLANGE BUSHING	1
8	01-062000		HI/LOW SPEED DRIVE VALVE, PILOT OPER.	1
9	01-013100	F1	MOTION CONTROL VALVE	1
10	01-018900		NEEDLE VALVE, #6 SAE PORTS	1
11	SEE INDEX		TORQUE HUB	2
12	SEE INDEX	D3	DRIVE MOTOR/BRAKE	2
13	01-018300		FLOW DIVIDER COMBINER	1
14	01-034800		GATE VALVE	1
15	01-016300	D1	CARTRIDGE RELIEF VALVE	1
16	SEE INDEX		STEER CYLINDER	1
17	2022567		RIM	4
18	02-001400	D2	STEER TIRE	2
19	08-000200		SWING BEARING	1
20	SEE INDEX		HYDRAULIC SWIVEL	1
21	02-001500		DRIVE TIRE	2

DESCRIPTION

UNDERCARRIAGE ASSEMBLY

PART NO.



DESCRIPTION

UNDERCARRIAGE ASSEMBLY

PART NO.

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

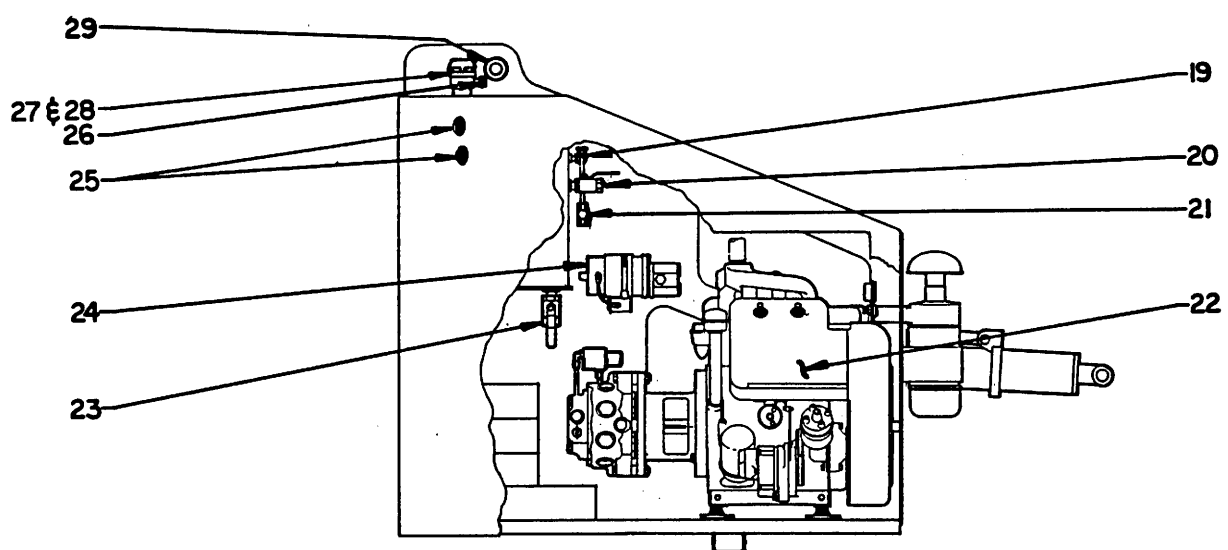
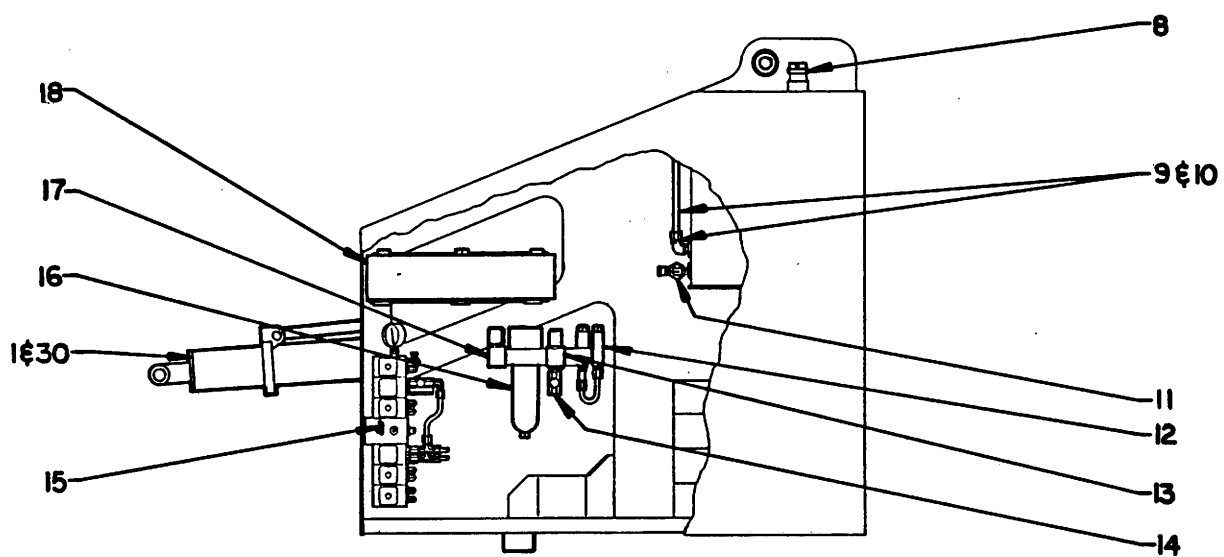
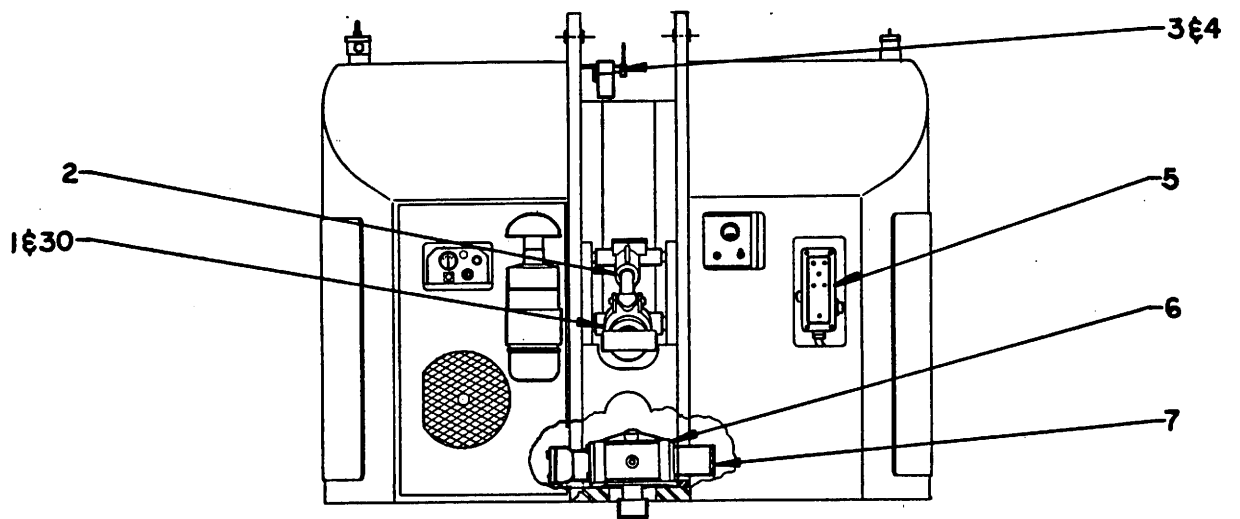
DESCRIPTION

SUPERSTRUCTURE ASSEMBLY

PART NO.

CAA-207236-2

B2.5



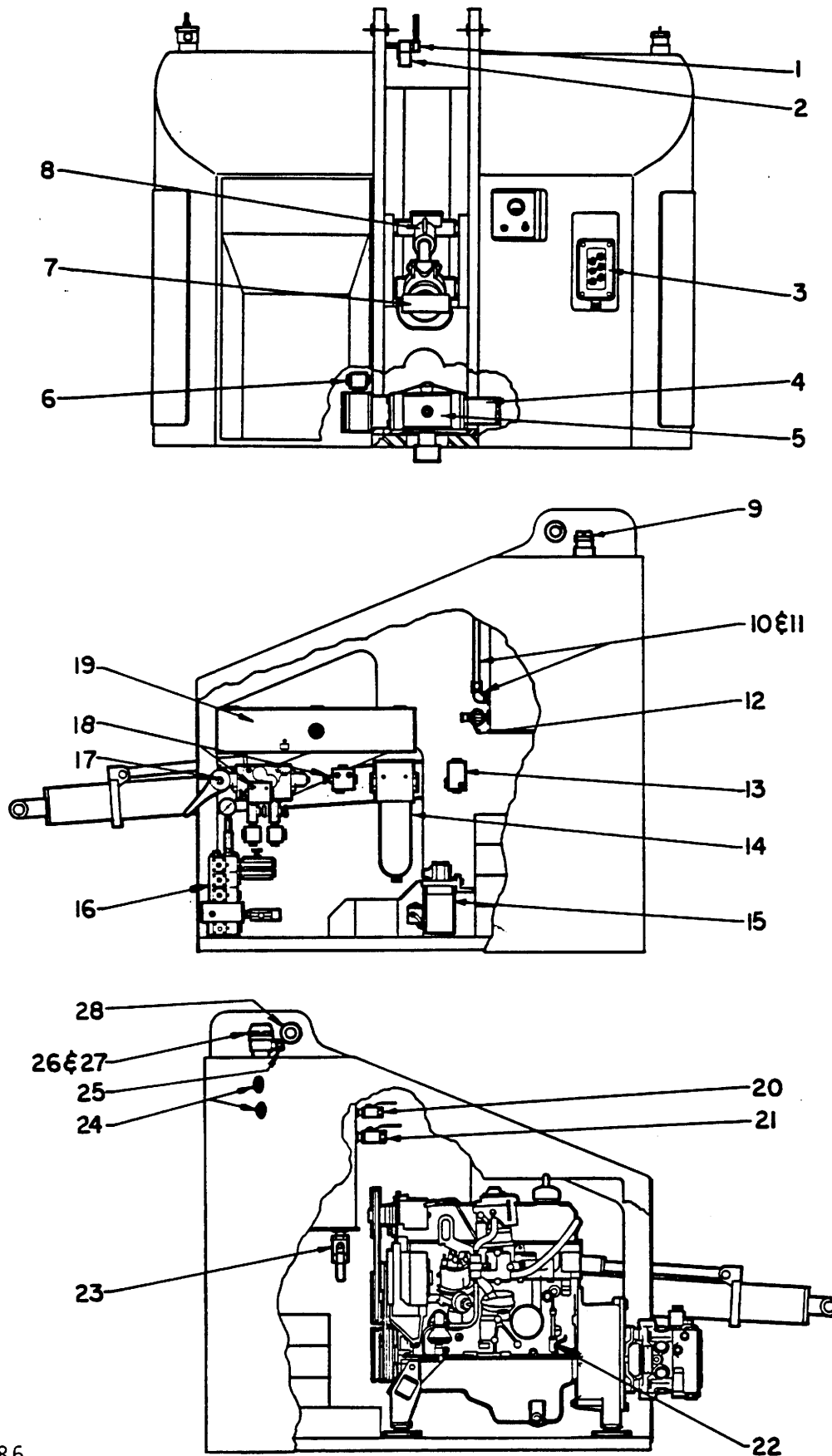
0984/0684
DESCRIPTION

SUPERSTRUCTURE ASSEMBLY

PART NO.
CAA-207236-2

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-026200		LEVER ARM, LIMIT SWITCH	1
2	03-021400		LIMIT SWITCH	1
3	SEE INDEX	C6	REMOTE CONTROL ASSEMBLY	1
4	SEE INDEX	D6	SWING MOTOR	1
5	SEE INDEX	F2	SWING REDUCER	1
6	01-013800		SHUTTLE VALVE, #6 SAE PORTS	1
7	SEE INDEX	D9	LIFT CYLINDER	1
8	SEE INDEX	D10	MASTER LEVELING CYLINDER	1
9	10-001900		FILLER CAP, FUEL	1
10	05-010008		SIGHT GAUGE, FUEL	1
11	05-010011		ELBOW, FUEL GAUGE	2
12	01-032800		SHUTOFF VALVE, 1/4"	1
13	01-008900		RELIEF VALVE, LEVELING	2
14	SEE INDEX	D11	HIGH PRESSURE FILTER	1
15	SEE INDEX	D7	EMERGENCY PUMP	1
16	SEE INDEX	C2	VALVE BANK - LIFT, SWING, TELESCOPE	1
17	SEE INDEX	C2	VALVE BANK - DRIVE, STEER	1
18	01-012800		PRESSURE REDUCING VALVE	2
19	SEE INDEX	C3	GROUND CONTROL BOX	1
20	01-002800		SHUTOFF VALVE, 1/2"	1
21	01-020600		SHUTOFF VALVE, 3/4"	1
22	SEE INDEX	C4	ENGINE ASSEMBLY	1
23	01-002700		SHUTOFF VALVE, 1-1/4"	1
24	10-033700		SIGHT GLASS	2
25	01-008200		VENT PLUG W/FILTER	1
26	10-002100		FILLER CAP, HYDRAULIC OIL	1
27	10-001000		STRIANER	1
28	08-008000		BEARING, BOOM PIVOT	2
DESCRIPTION			PART NO.	
SUPERSTRUCTURE ASSEMBLY (FULL HYDRAULIC)			A-B3510159	



0286/0186

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (FULL HYDRAULIC)

PART NO.

A-B3510159

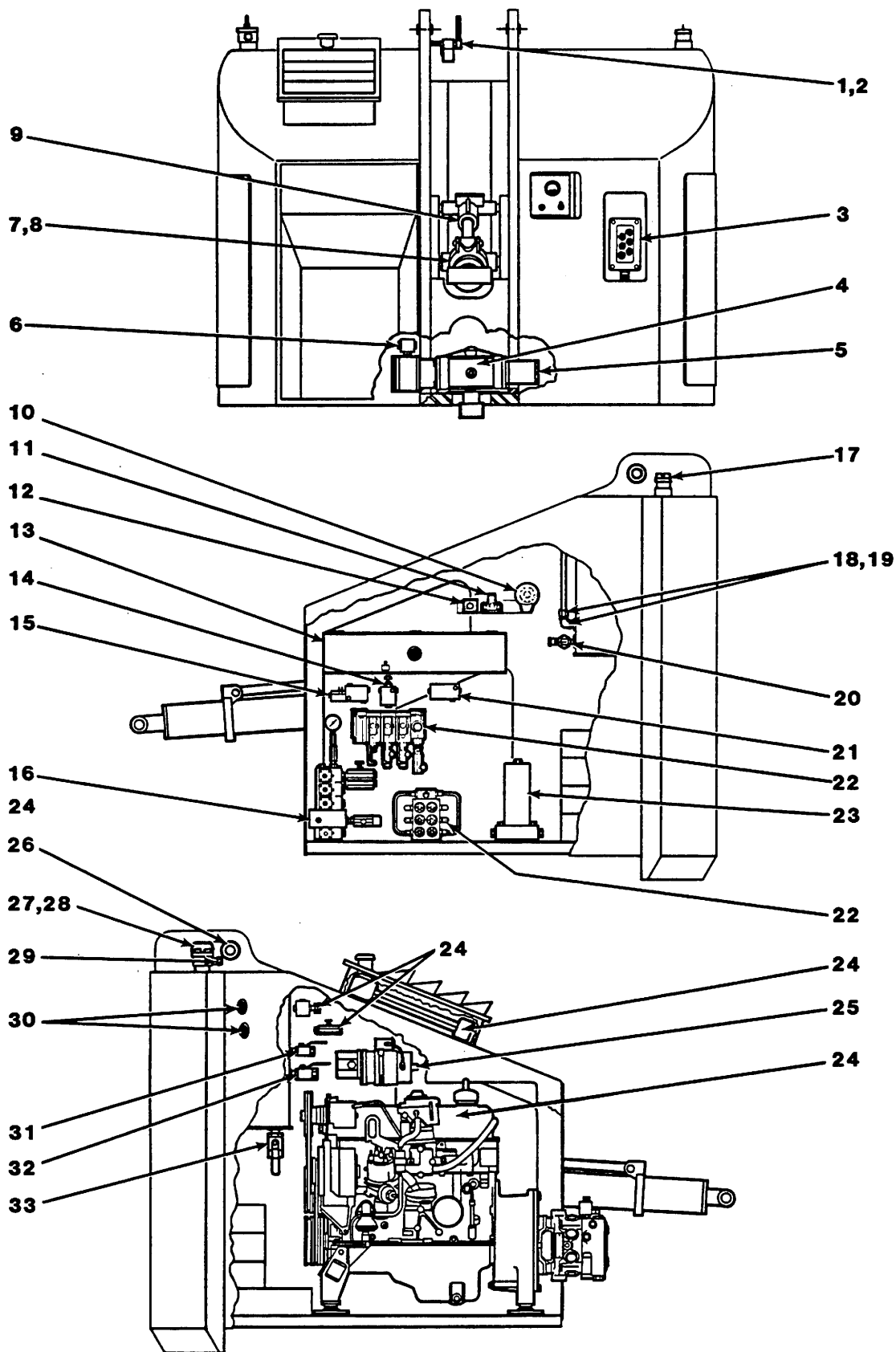
PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	03-021400		LIMIT SWITCH	1
2	03-026200		LEVER ARM, LIMIT SWITCH	1
3	SEE INDEX	C6	REMOTE CONTROL ASSEMBLY (PENDANT)	1
4	SEE INDEX	F2	SWING REDUCER	1
5	SEE INDEX	D6	SWING MOTOR	1
6	01-013800		SHUTTLE VALVE	1
7	SEE INDEX	D9	LIFT CYLINDER	1
8	04-021402		HOLDING VALVE, LIFT CYLINDER	1
9	SEE INDEX	D10	MASTER LEVELING CYLINDER	1
10	03-038300		HORN	1
11	03-038100		TILT ALARM	1
12	03-036100		MOVEMENT ALARM	1
13	SEE INDEX	C3	GROUND CONTROL BOX	1
14	01-012800		PRESSURE REDUCING VALVE	1
15	01-037100		SOLENOID VALEV, 2-SPEED DRIVE	1
16	SEE INDEX	C2	VALVE BANK ASS'Y. (DRIVE STEER)	1
17	10-001900		FILLER CAP, FUEL	1
18	05-010008		SIGHT GAUGE, FUEL	1
19	05-010011		ELBOW, FUEL GAUGE	2
20	01-032800		SHUTOFF VALVE, 1/4 INCH	1
21	01-008900		RELIEF VALVE, LEVELING	2
22	SEE INDEX	C2	VALVE BANK ASS'Y. (LIFT, SWING, TELESCOPE)	1
23	SEE INDEX	D11	HIGH PRESSURE FILTER	1
24	SEE INDEX	C4	ENGINE ASSEMBLY	1
25	SEE INDEX	D7	EMERGENCY PUMP	1
26	08-000800		BEARING, BOOM PIVOT	2
27	11-002100		FILLER CAP, HYDRAULIC OIL	1
28	10-001000		STRAINER	1
29	01-008200		VENT PLUG W/FILTER	1
30	10-033700		SIGHT GLASS	2
31	01-002800		SHUTOFF VALVE, 1/2 INCH	1
32	01-020600		SHUTOFF VALVE, 3/4 INCH	1
33	01-002700		SHUTOFF VALVE, 1-1/4 INCHES	1

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY - (FULL HYDRAULIC)

PART NO.



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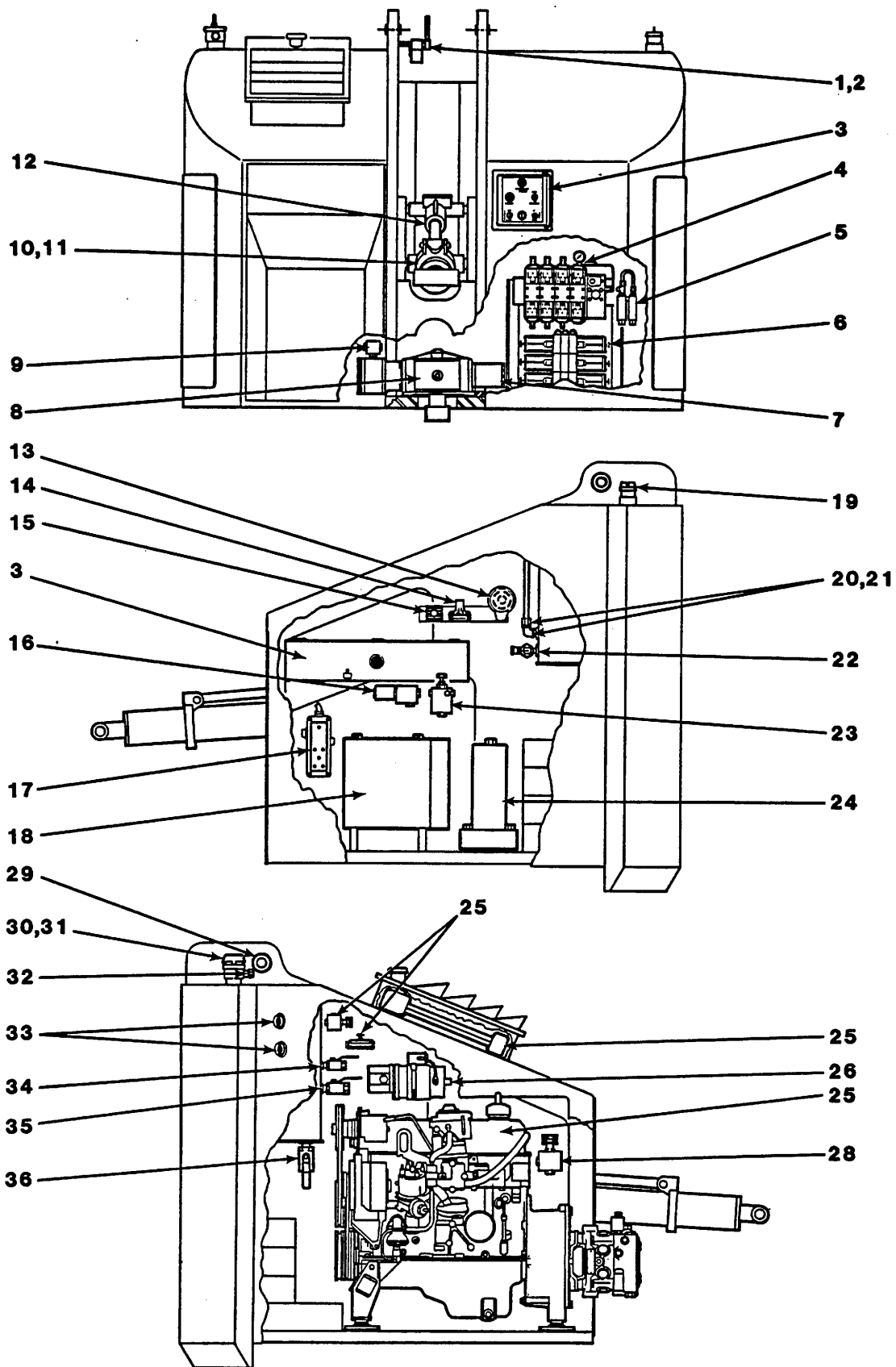
DESCRIPTION

SUPERSTRUCTURE ASSEMBLY - (FULL HYDRAULIC)

PART NO.

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, 1/4"	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, 1/2"	1
35	01-020600		SHUTOFF VALVE, 3/4"	1
36	01-002700		SHUTOFF VALVE, 1-1/4"	1
DESCRIPTION			PART NO.	
SUPERSTRUCTURE ASSEMBLY				



0787/0787
DESCRIPTION

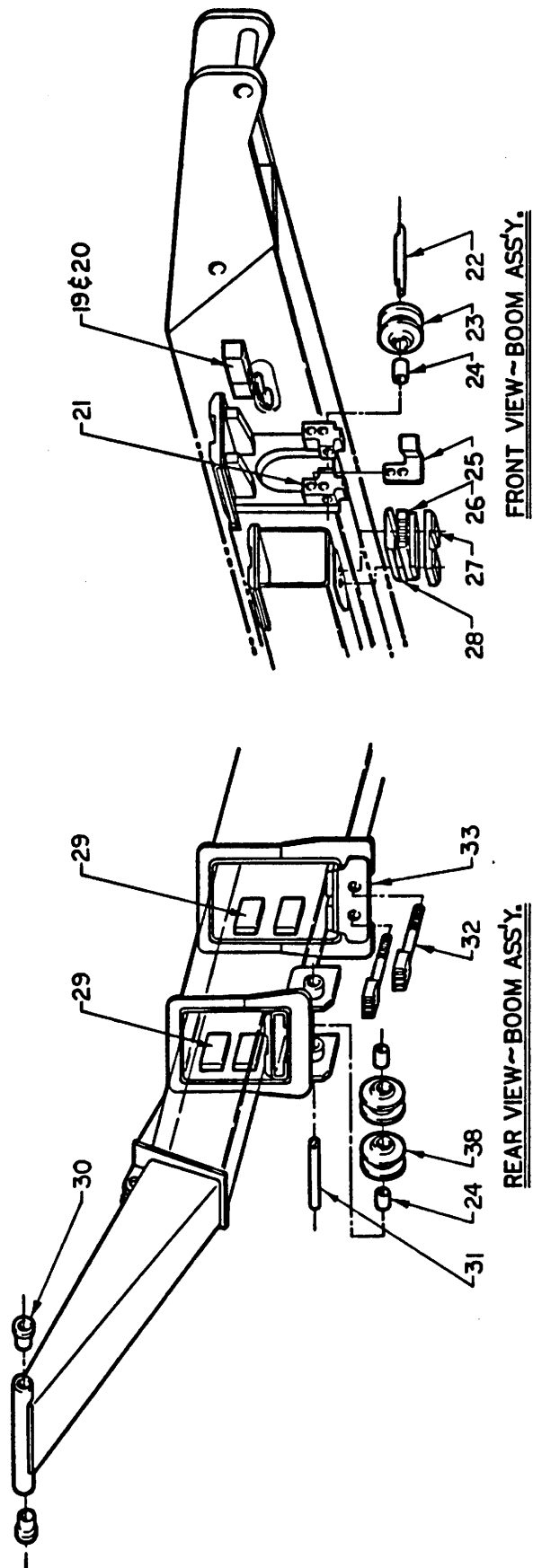
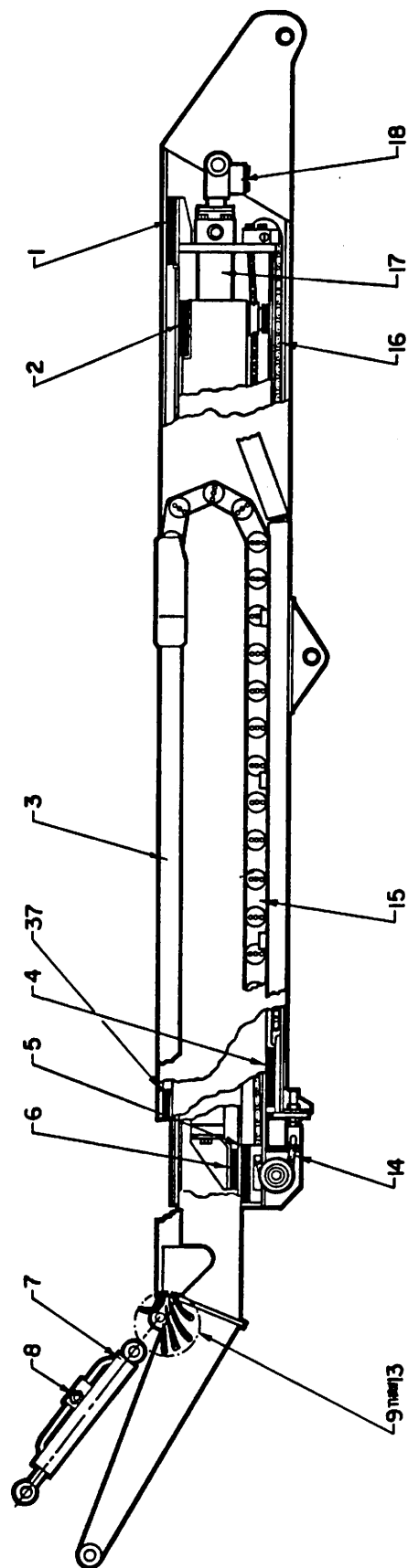
SUPERSTRUCTURE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SCD-204329-6		SLIDER PAD, MID BOOM (TOP-FRONT)	1
2	SCD-204328-9		SLIDER PAD, TIP BOOM (TOP-FRONT)	1
3			MOVING ANCHOR	1
4	SBA-204704-5		SLIDER PAD, BASE BOOM (REAR-BOTTOM)	2
5	SAD-207299-9		SLIDER PAD, MID BOOM (REAR-BOTTOM)	1
6	SBD-201293-3		SLIDER PAD, EXTEND CYLINDER	1
7	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
8	SEE INDEX	D21	HOLDING VALVE, SLAVE LEVEL 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	
14	08-014300		LEAF CHAIN, REAR (OUTSIDE)	2
15	SEE INDEX	F3	HOSE TRACK	1
16	03-014200		LEAF CHAIN, FRONT (INSIDE)	1
17	SEE INDEX	D19	EXTEND CYLINDER	1
18	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
19	03-021400		LIMIT SWITCH	1
20	03-026400		LEVER ARM, LIMIT SWITCH	1
21	SBD-203772-9		ANCHOR BLOCK, CHAIN SHEAVE PIN	2
22	SAD-203763-9		PIN, FRONT CHAIN SHEAVE	1
23	SCD-203802-5		SHEAVE, CHAIN	1
24	08-009000		SLEEVE BEARING	3
25	SAD-200629-9		GUARD PLATE	1
26	SBW-205477-3		CHAIN ANCHOR BLOCK	1
27	SBD-201293-3		SLIDER PAD, CHAIN ANCHOR	1
28			RETAINER PLATE	1
29	SBA-204648-4		SIDE SLIDER PAD	8
30	08-002200		FLANGE BEARING	2
31	SBD-205575-8		PIN, REAR CHAIN SHEAVE	1
32	SBD-205122-8		CHAIN ADJUSTING SCREW	2
33	SCW-205425-8		CHAIN ANCHOR BRACKET	1
34	SAD-203762-4		CHAIN ANCHOR PIN, 4" LG. (NOT SHOWN)	2
35	SAD-203768-4		CHAIN ANCHOR PIN, 2" LG. (NOT SHOWN)	3
36	07-070305		COTTER KEY, CHAIN PIN (NOT SHOWN)	10
37	UCD-208606-8		SLIDER PAD, BASE BOOM (TOP-REAR)	1
38	SCD-203803-0		SHEAVE, REAR CHAIN	2
DESCRIPTION			PART NO.	
BOOM ASSEMBLY			A-C3510160	

B3.22



FRONT VIEW~BOOM ASS'Y.

REAR VIEW~BOOM ASS'Y.

0286/0186

DESCRIPTION

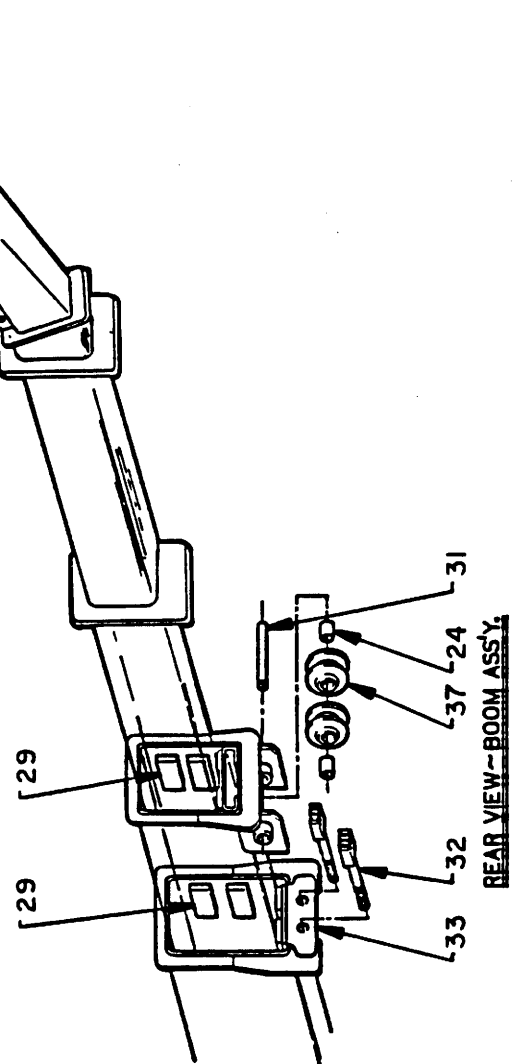
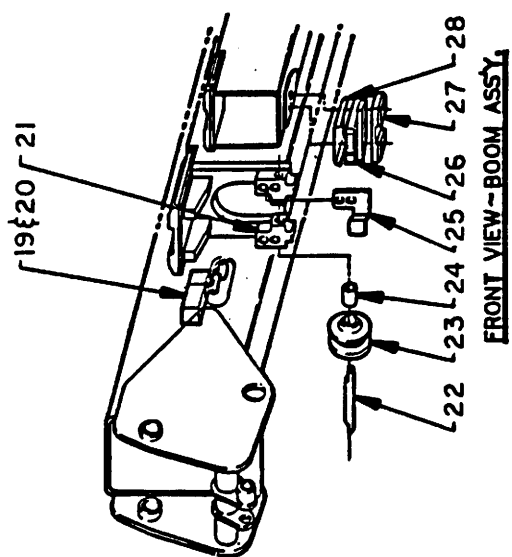
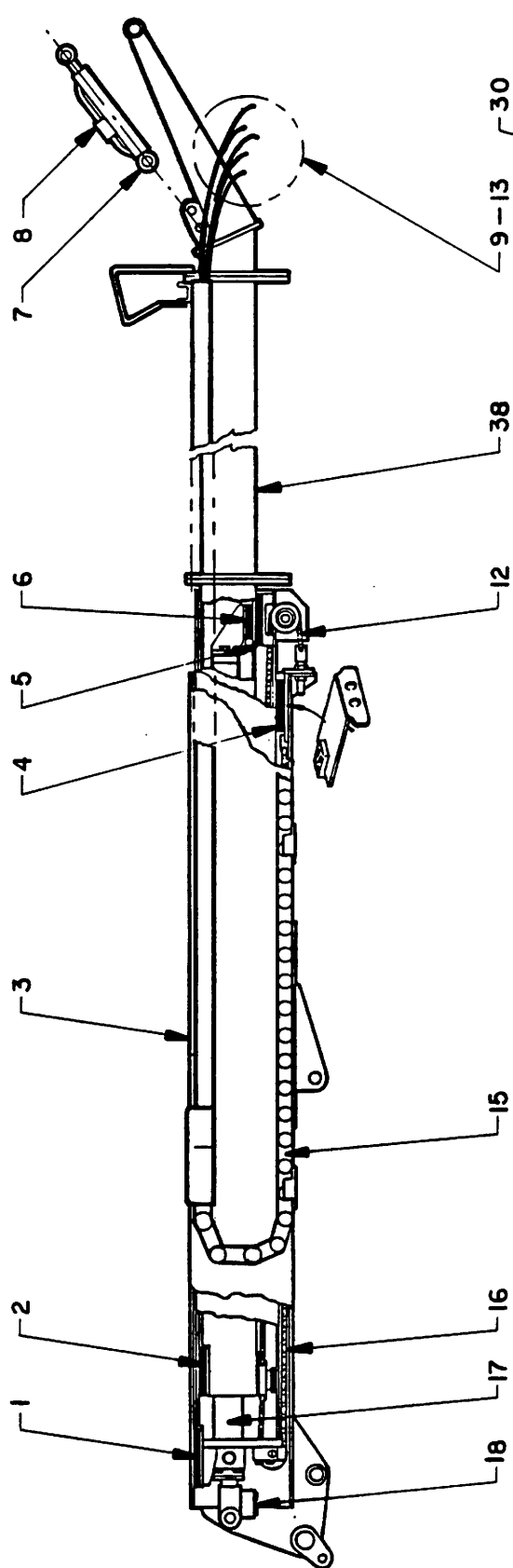
BOOM ASSEMBLY

PART NO.

A-C3510160

PARTS LIST

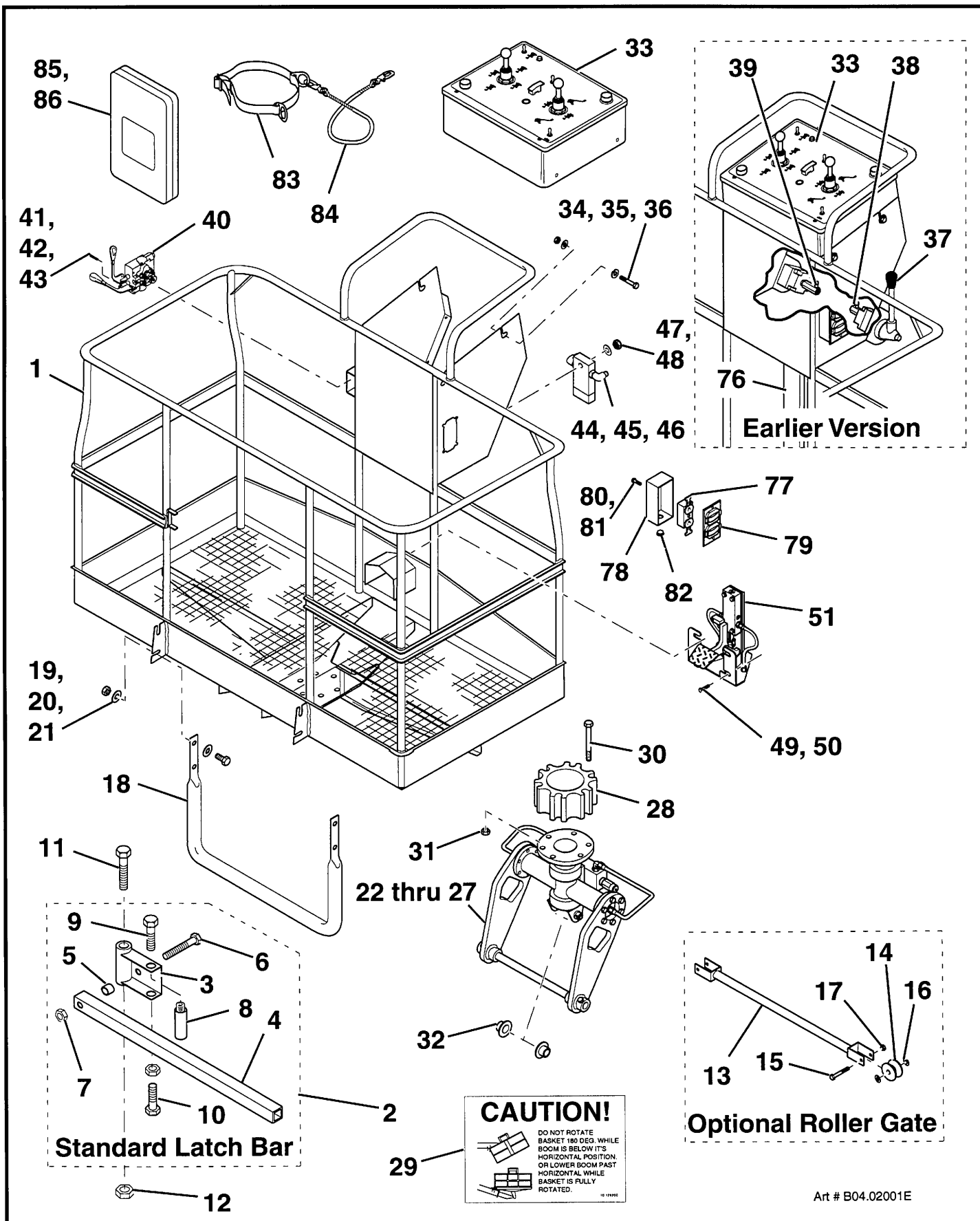
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SCD-204329-6		SLIDER PAD, MID BOOM (TOP-FRONT)	1
2	SCD-204328-9		SLIDER PAD, TIP BOOM (TOP-FRONT)	1
3			MOVING ANCHOR	1
4	SBA-204704-5		SLIDER PAD, BASE BOOM (REAR-BOTTOM)	2
5	SAD-207299-9		SLIDER PAD, MID BOOM (REAR-BOTTOM)	1
6	SBD-201293-3		SLIDER PAD, EXTEND CYLINDER	1
7	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
8	SEE INDEX	D21	HOLDING VALVE, SLAVE LEVEL 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	
14	08-014300		LEAF CHAIN, REAR (OUTSIDE)	2
15	SEE INDEX	F3	HOSE TRACK	1
16	03-014200		LEAF CHAIN, FRONT (INSIDE)	1
17	SEE INDEX	D19	EXTEND CYLINDER	1
18	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
19	03-021400		LIMIT SWITCH	1
20	03-026400		LEVER ARM, LIMIT SWITCH	1
21	SBD-203772-9		ANCHOR BLOCK, CHAIN SHEAVE PIN	2
22	SAD-203763-9		PIN, FRONT CHAIN SHEAVE	1
23	SCD-203802-5		SHEAVE, CHAIN	1
24	08-009000		SLEEVE BEARING	3
25	SAD-200629-9		GUARD PLATE	1
26	SBW-205477-3		CHAIN ANCHOR BLOCK	1
27	SBD-201293-3		SLIDER PAD, CHAIN ANCHOR	1
28			RETAINER PLATE	1
29	SBA-204648-4		SIDE SLIDER PAD	8
30	08-002200		FLANGE BEARING	2
31	SBD-205575-8		PIN, REAR CHAIN SHEAVE	1
32	SBD-205122-8		CHAIN ADJUSTING SCREW	2
33	SCW-205425-8		CHAIN ANCHOR BRACKET	1
34	SAD-203762-4		CHAIN ANCHOR PIN, 4" LG. (NOT SHOWN)	2
35	SAD-203768-4		CHAIN ANCHOR PIN, 2" LG. (NOT SHOWN)	3
36	07-070305		COTTER KEY, CHAIN PIN (NOT SHOWN)	10
37	SCD-203803-0		SHEAVE, REAR CHAIN	2
38			FIBERGLASS TIP BOOM SECTION	1
DESCRIPTION			PART NO.	
BOOM ASSEMBLY				



DESCRIPTION

PART NO.

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Hydraport controls (with 2 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: First type, with separate hose channel under console: MP Series (36" x 72" [.91 M x 1.83 M]) MPN Series (36" x 60" [.91 M x 1.52 M]) Second type, without separate hose channel: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard) Later style, with Platform Rotate and Level valves both <u>in box on outside</u> of left side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
	205 6409 205 6399			
	211 7580 211 7640 211 7520			
	230 5280 230 5310 230 5250			
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	219 8520		BAR, GATE (optional pull up "Roller Gate" style)	1
14	219 8510		ROLLER, PULL UP GATE	2
15	07-003053		CAP SCREW, HEX HD (3/8"-16 x 3", Grade 5)	2
16	07-062016		WASHER, FLAT (7/16")	4
17	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
18	214 6800 219 8710		STEP, PLATFORM Standard version (17-1/2" [.44 M] high) Optional longer step (21-1/2" [.55 M] high)	1
19	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
20	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
21	07-062016		WASHER, FLAT (7/16")	8
TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)				
PLATE NO. B04.02		SIMON AERIALS INC.		PART NO.
REV. 07 DEC., 1994				



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)

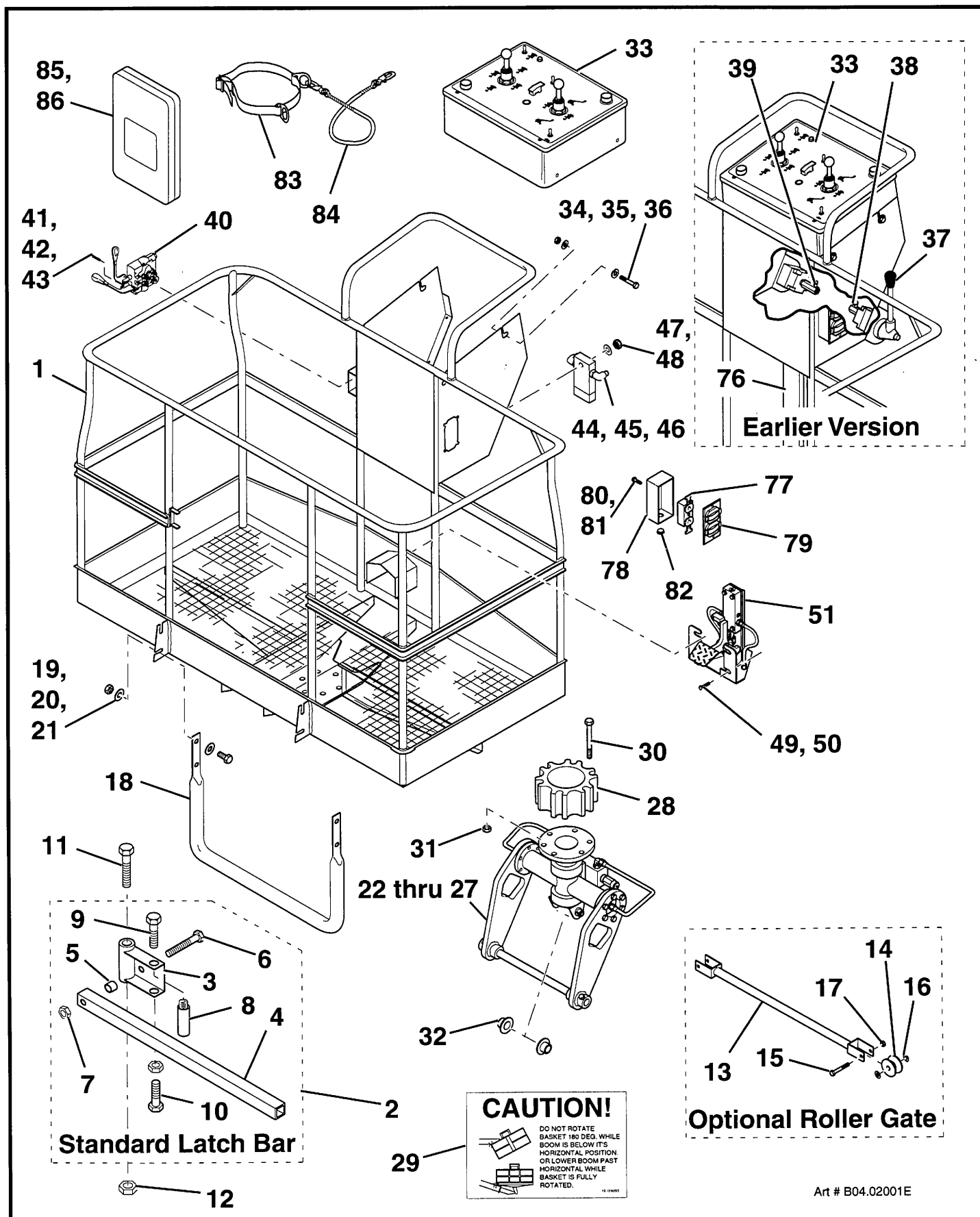
SIMON AERIALS INC.

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	210 2940		PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	219 4480		except Canada (Standard type, included with actuator)	1
24	206 8879		CSA standards (Specify if this type is needed)	1
	Call Simon		PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end)	1
25	01-001900		except Canada (Standard type, included with actuator)	1
			CSA standards (Specify if this type is needed)	1
			VALVE, DOUBLE LOCK	1
			(Earlier versions. No cartridges protrude from block.)	1
26	01-202000		MANIFOLD, RELIEF/ CHECK VALVE	1
			(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.		PART NO.
			REV. 07 DEC., 1994	



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 4)

SIMON AERIALS INC.

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PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

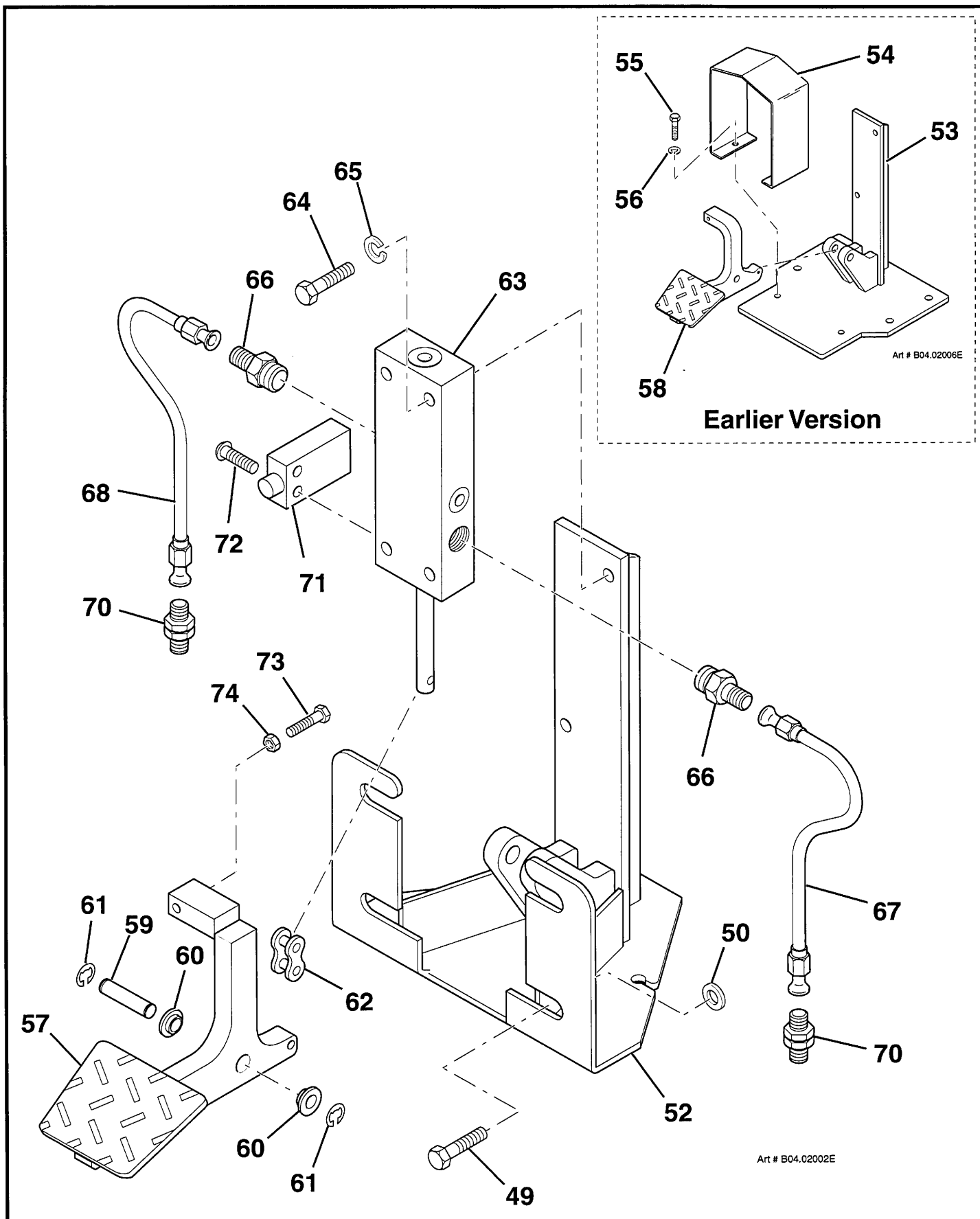
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
44	01-001900		VALVE, CHECK (Pilot operated)	1
45	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
46	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
47	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
48	07-062015		WASHER, FLAT (5/16")	2
49	07-003042		CAP SCREW, 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)

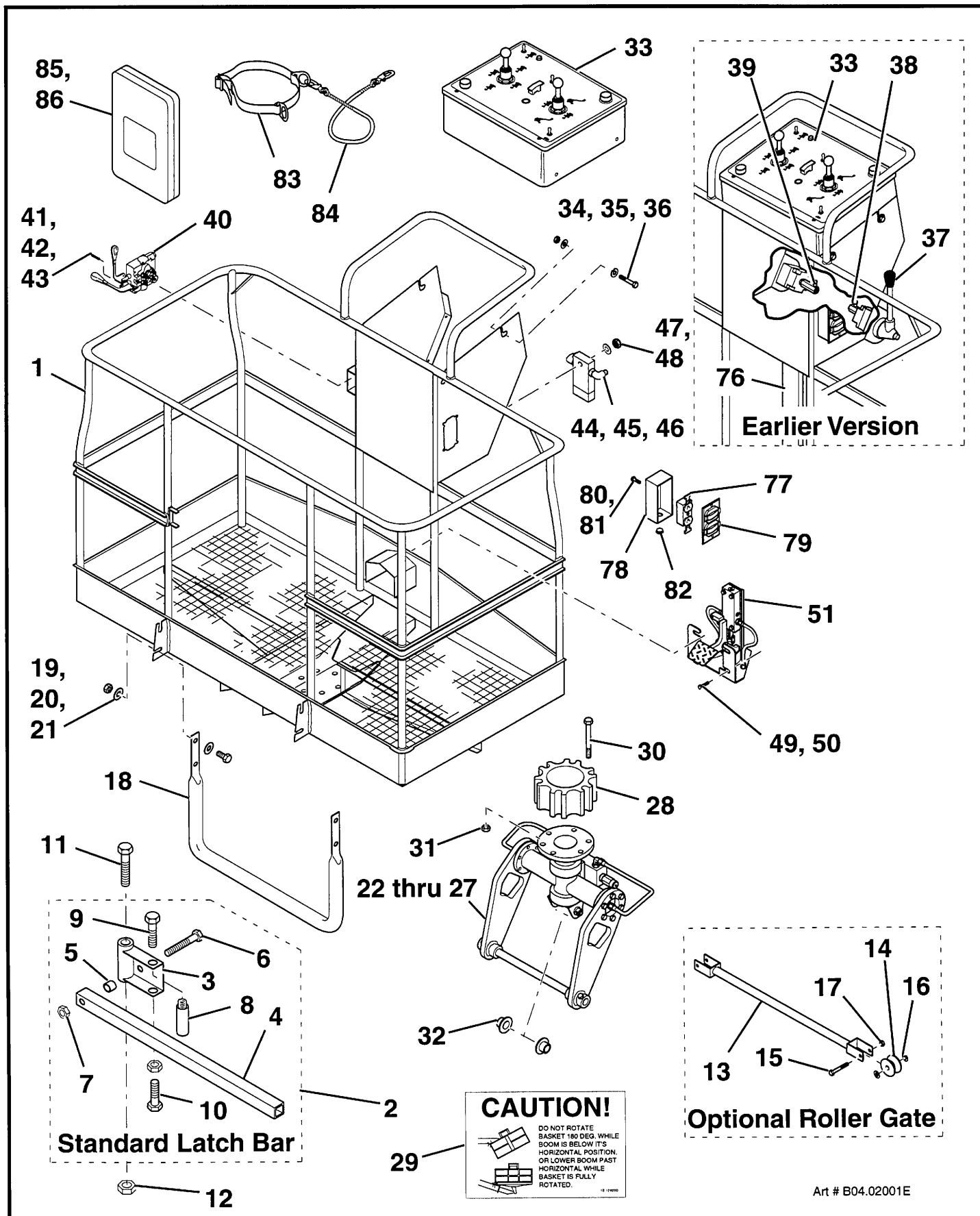
SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. B04.02

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TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

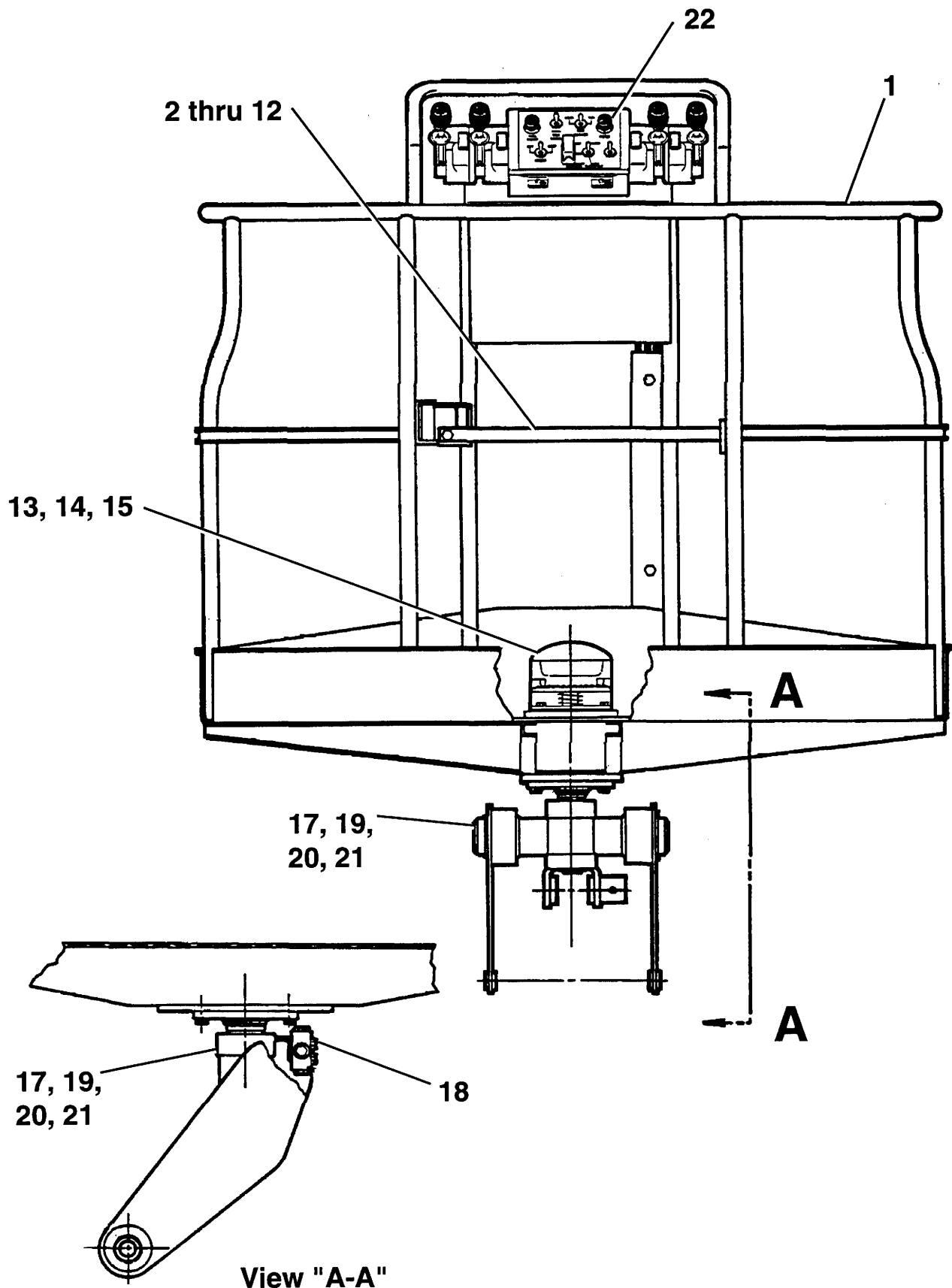
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Earliest style Electro-Proportional controls (with 4 Control Levers): MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
2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

TITLE PLATFORM ASSEMBLY, MP SERIES

PLATE NO. B04.06 SIMON AERIALS INC.

REV. 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES

SIMON AERIALS INC.

REV. 01 DEC., 1994

PART
NO.

PLATE
NO. B04.06

PARTS LIST

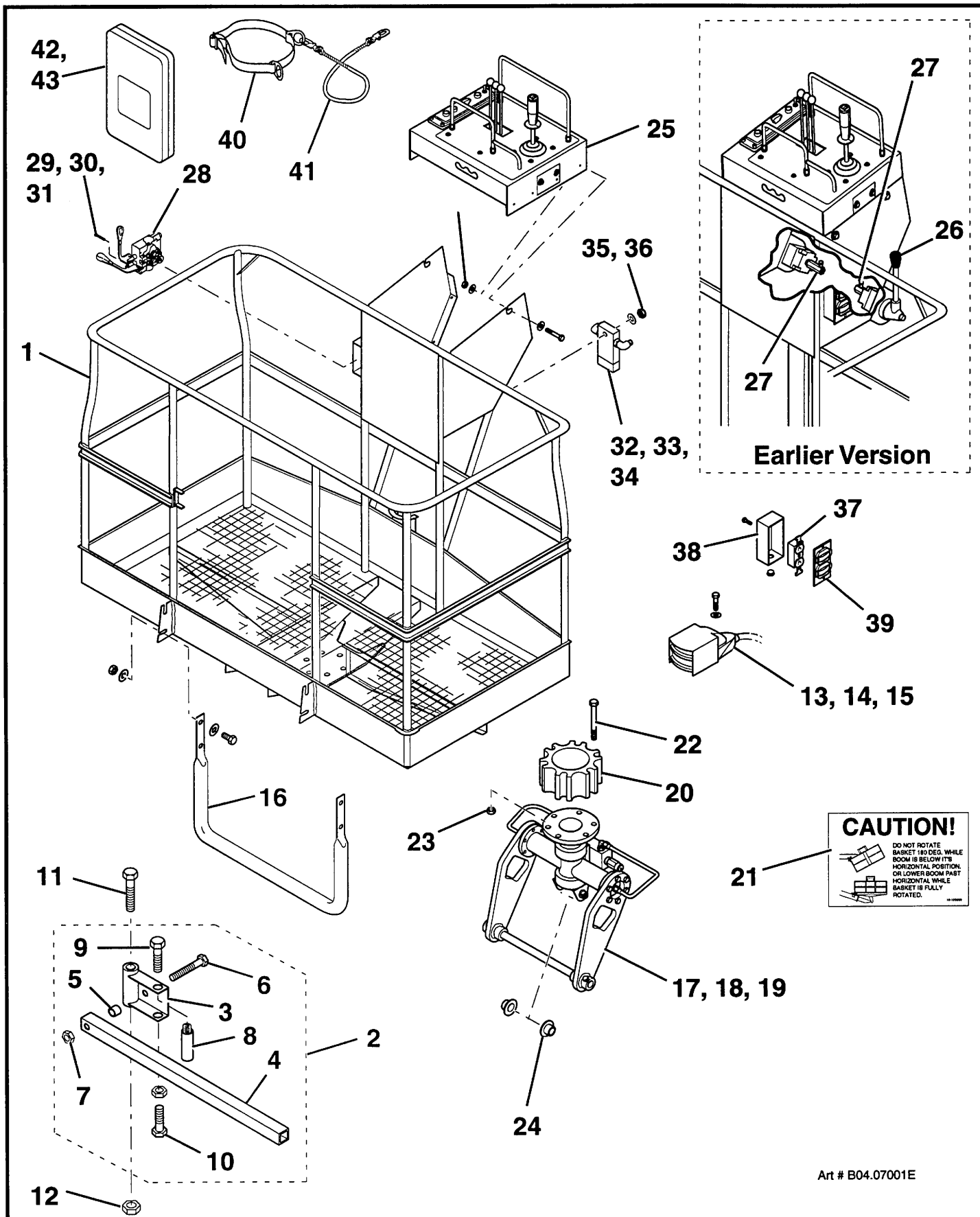
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Full Hydraulic controls (4 "Joysticks"):	1
	209 6054		Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard)	
	211 4440		MP Series (36" x 96" [.91 M x 2.44 M]) (Optional)	
	210 1450		MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	
			Later style, with Platform Rotate and Level valves both in box on outside of left side of console:	
	230 5300		MP Series (36" x 72" [.91 M x 1.83 M]) (Standard)	
	230 5330		MP Series (36" x 96" [.91 M x 2.44 M]) (Optional)	
	230 5270		MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	
	230 6920		Special Application (30" x 60" [.76 M x 1.52 M])	
2	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
3	204 1724		PIVOT, DOOR	1
4	207 6577		BAR, LATCH	1
5	204 1649		SPACER, LATCH BAR PIVOT	1
6	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	210 8380		SPACER	1
10	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
14	03-021301		SWITCH (Single pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	214 6800		STEP, PLATFORM (17-1/2" [.44 M] high)	1
17	See Index . .	D24. - -	ACTUATOR, ROTARY (Helical type, 180°)	1
18	01-001900		VALVE, DOUBLE LOCK (Earlier versions. No cartridges protrude from block.)	1
19	01-202000		MANIFOLD, RELIEF/ CHECK VALVE (Later versions. Two cartridges protrude from block.)	1
20	233 5380		SPACER, ROTARY ACTUATOR (for use with 96" platform) Model MP 40 (4" [102 mm] thick)	1
21	233 5510		except Model MP40 (6" [152 mm] thick)	
	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.



Art # B04.07001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.07

PARTS LIST

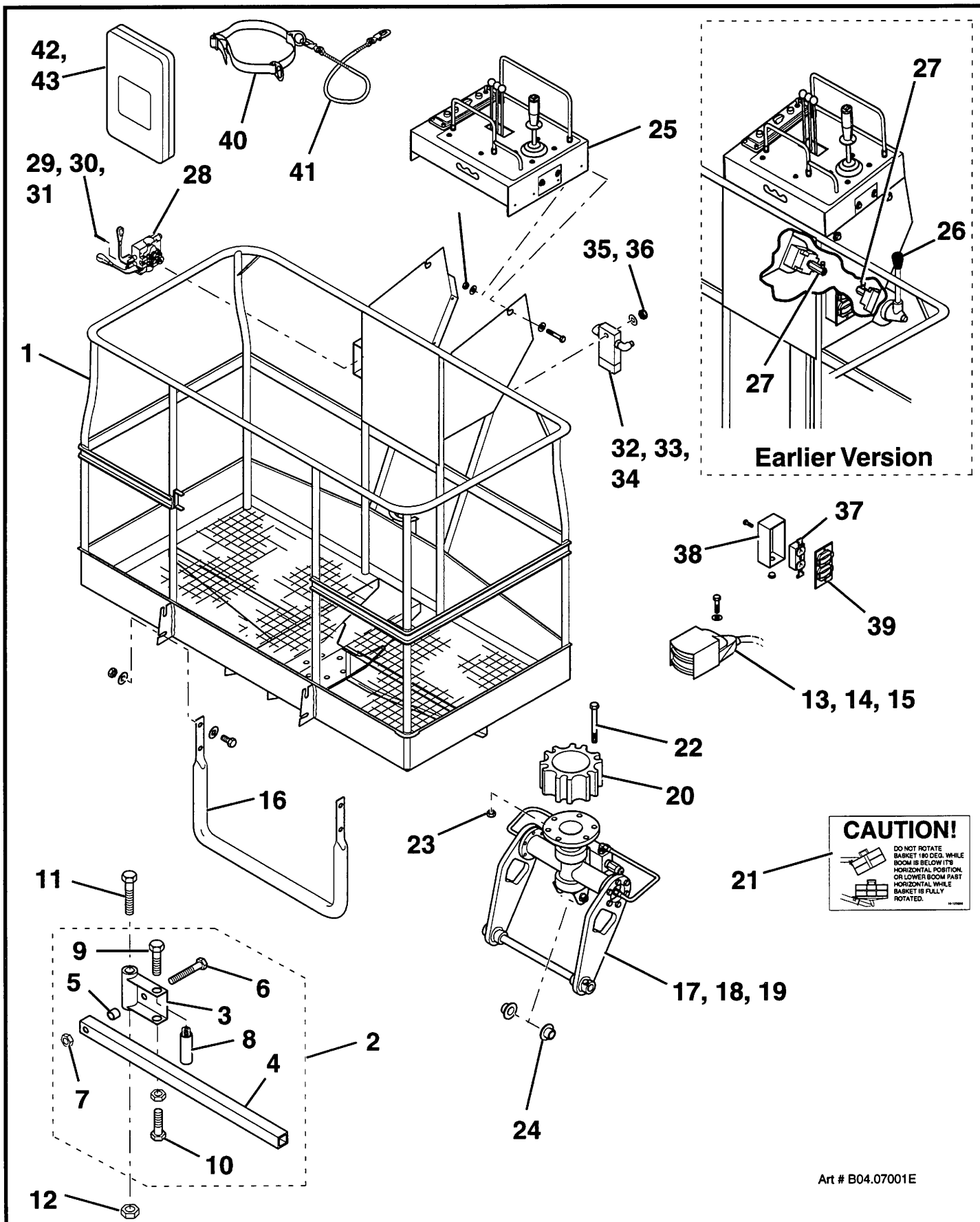
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	07-004089 07-004100		CAP SCREW, HEX HEAD (1/2"-13, Grade 8) 2" long, for all except with 96" platform 6" long, for Model MP 40 with 96" platform	6
23	07-113400 07-058400		8", long, for models with 96" platform except MP 40 NUT, LOCK (1/2"-13, Grade 8)	6
24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

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

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

NEW 01 DEC., 1994

PART NO.



Art # B04.07001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.07

PARTS LIST

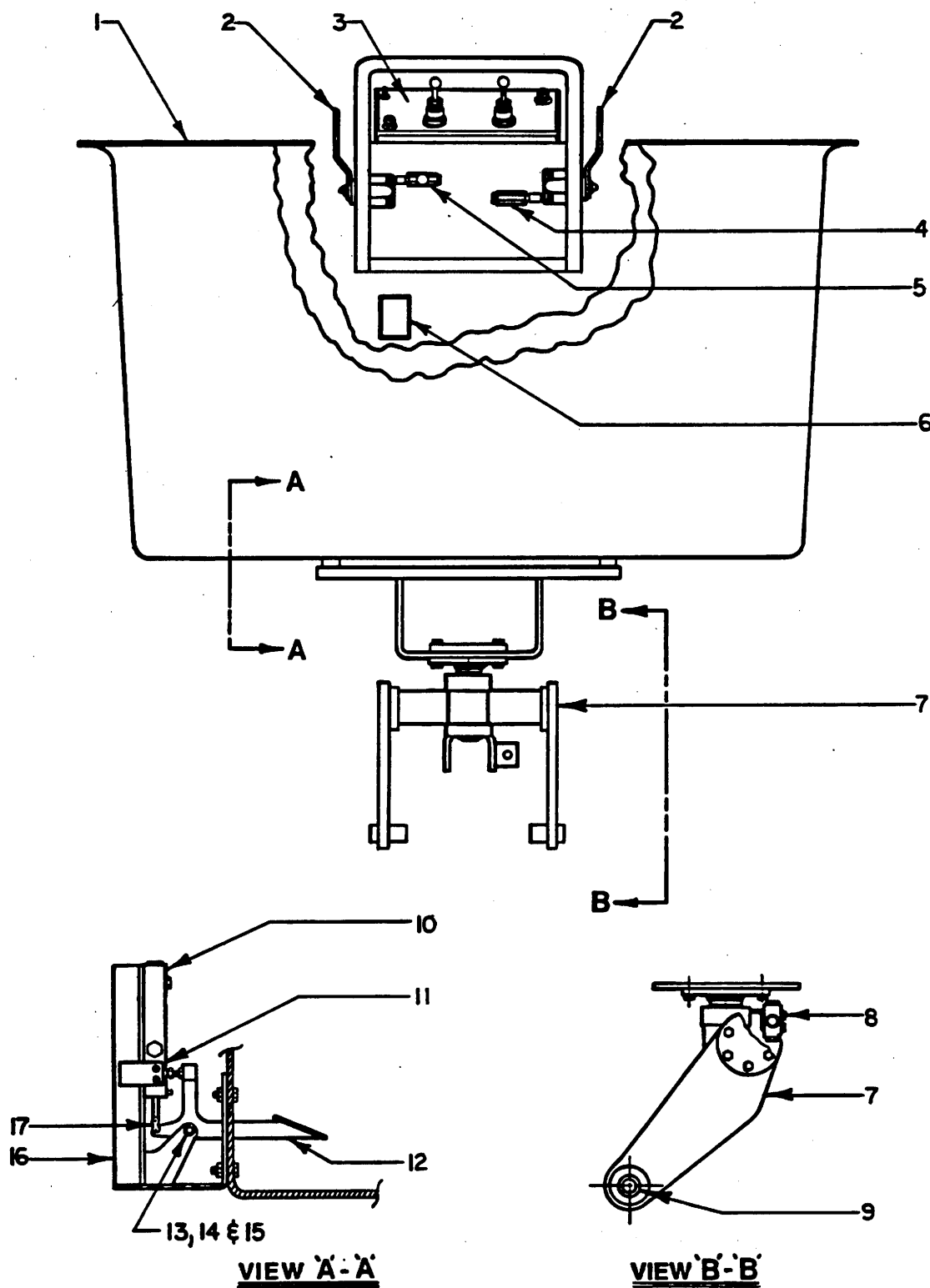
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SDA-2061164		FIBERGLASS PLATFORM	1
2	01-008000	D14.1	MANUAL VALVE, 4-WAY	2
3	SEE INDEX	C8	PLATFORM CONTROL CONSOLE	1
4	01-020800		CHECK VALVE	1
5	01-018900		NEEDLE VALVE, #6 SAE PORTS	1
6			GEL CELL BATTERY	1
7	02-010600	D24.6	ROTARY ACTUATOR	1
8	01-001900		DOUBLE LOCK VALVE	1
9	08-002500		SLEEVE BUSHING	2
10	SEE INDEX	D5	HPC VALVE	1
11	03-026600		LIMIT SWITCH	1
12	SCD-2005146		FOOT PEDAL	1
13	SAD-2033893		PIN	1
14	08-047000		SNAP RING	2
15	08-010500		FLANGE BEARING	2
16	SBW-2056920		MOUNTING BRACKET, FOOT PEDAL	1
17	08-010200		LINK ASSEMBLY	1

DESCRIPTION

INSULATED PLATFORM ASSEMBLY

PART NO.

A-D3509849



0486/0386

DESCRIPTION

INSULATED PLATFORM ASSEMBLY

PART NO.

A-D3509849

PARTS LIST

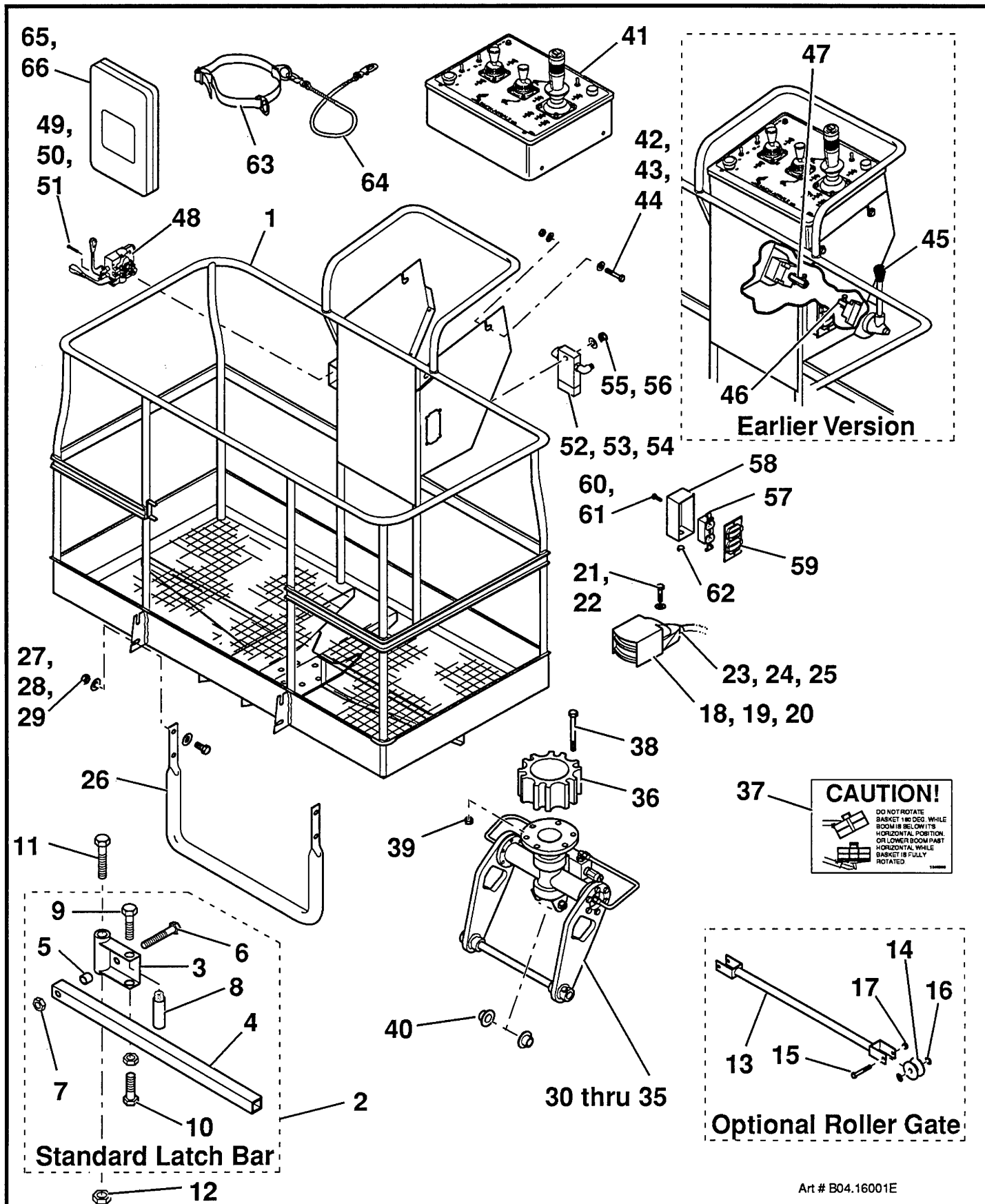
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For "Type 2" Electro-Proportional controls (with 3 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series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

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

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

NEW 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.16

PARTS LIST

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

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

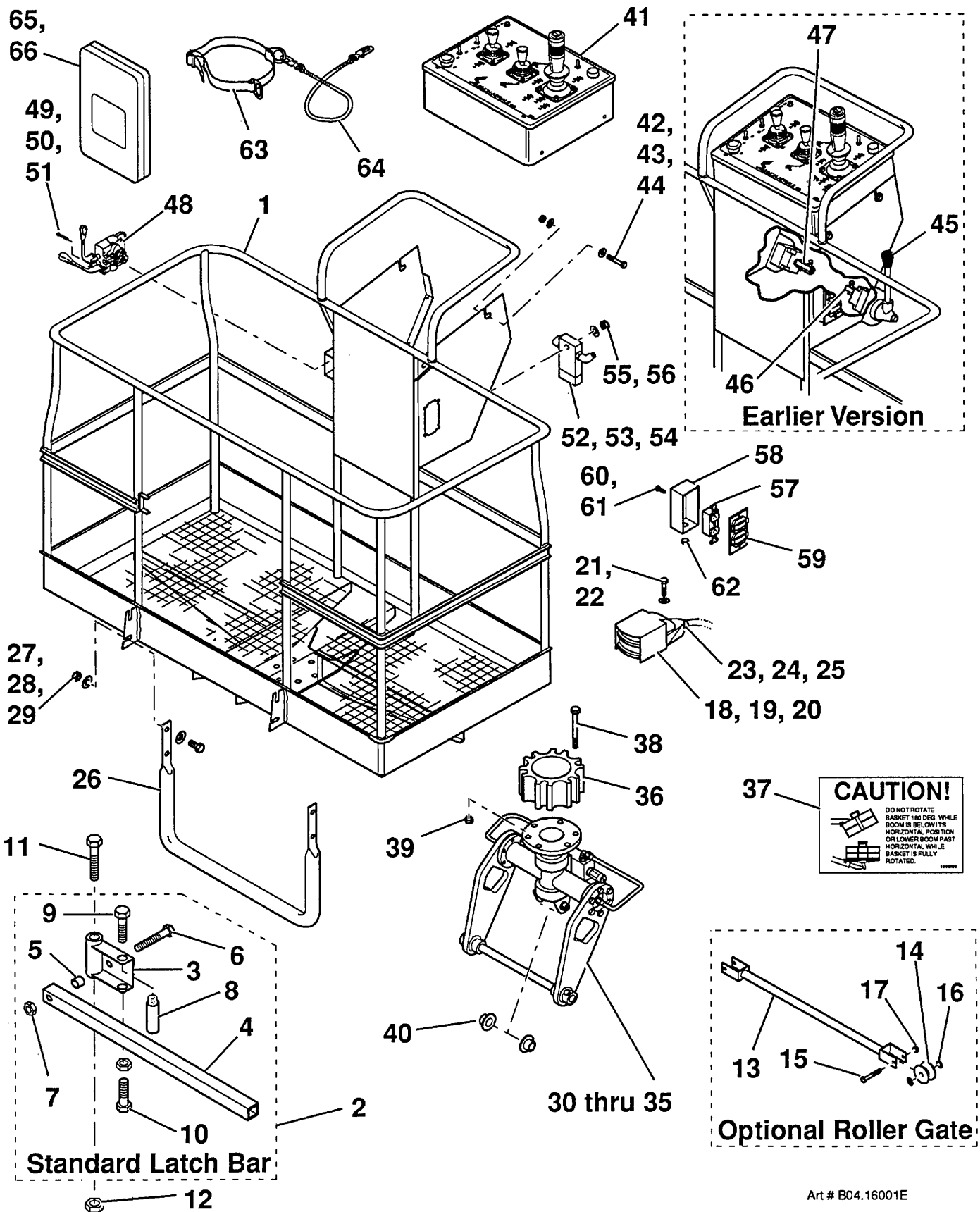
PLATE NO.

B04.16

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.



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

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.16

PARTS LIST

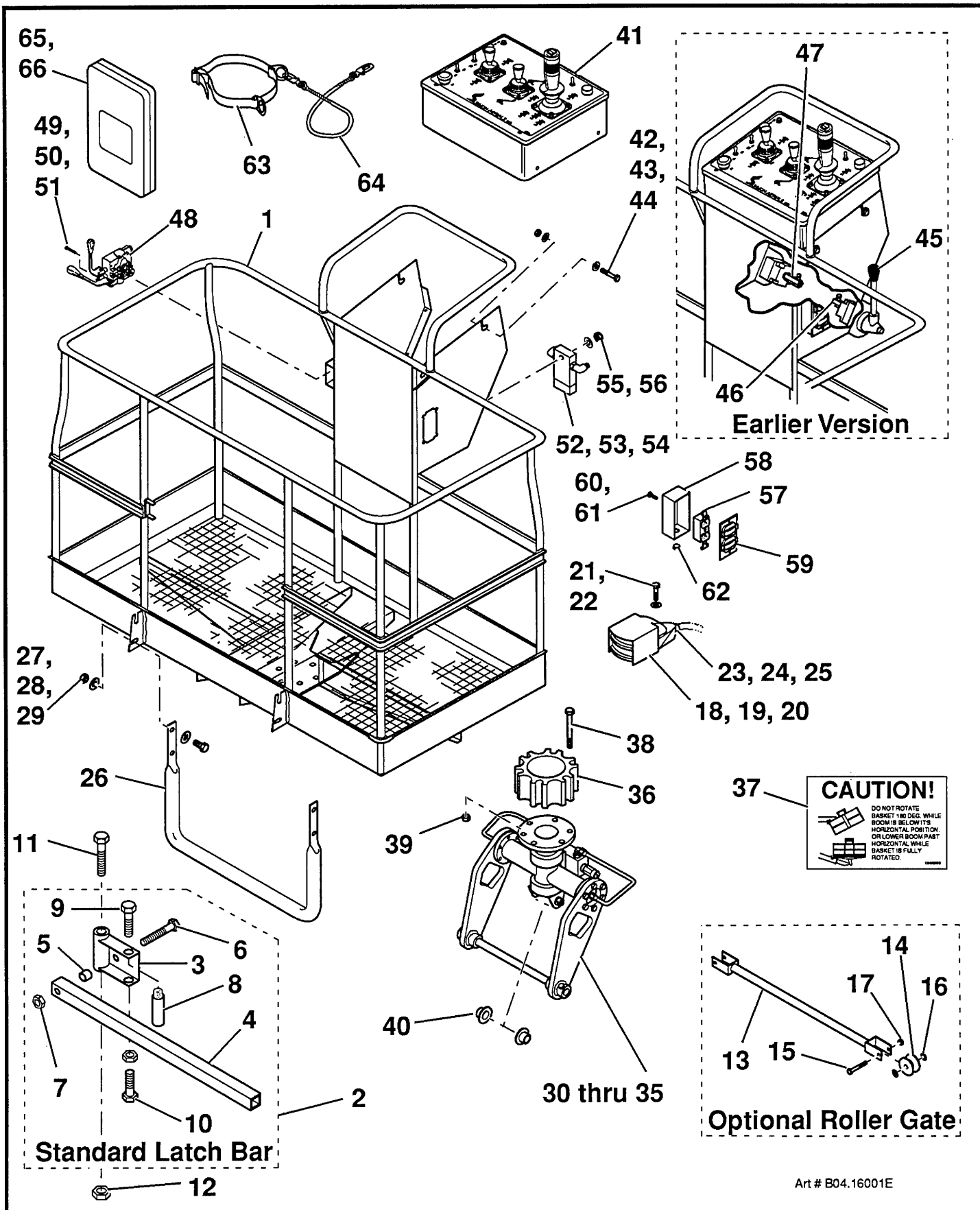
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
48	See Index .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
49	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
50	07-060014		WASHER, FLAT (1/4", SAE)	2
51	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
52	01-001900		VALVE, CHECK (Pilot operated)	1
53	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
54	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
55	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
56	07-065015		WASHER, HELICAL LOCK (5/16")	2
57	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
58	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
59	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
60	07-011355		MACHINE SCREW, ROUND HEAD (#10-24 x 3/4")	2
61	07-050011		NUT, LOCK (#10-24, Grade 2)	2
62	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
63	10-034000		BELT, SAFETY	1
64	10-033900		LANYARD, SAFETY BELT	1
65	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
66	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
67	10-042500		COVER, CONSOLE CONTROLS (black vinyl) (option)	1
68	10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
69	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
70	Call Simon		HOSE KIT, PLATFORM	1
			The following are also found on platform assemblies:	
71	205 4670		CLAMP, HOSE (2 hole, #4)	A.R.
72	07-062014		WASHER, FLAT (1/4")	A.R.
73	07-050014		NUT, LOCK (1/4"-20, Grade 5)	A.R.
74	03-066400		TIE, CABLE (20" [508 mm] long)	A.R.
75	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	A.R.
76	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
77	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
78	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	A.R.
	10-113200		PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8" thick)	A.R.

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

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

NEW 01 DEC., 1994

PART NO.



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

PARTS LIST

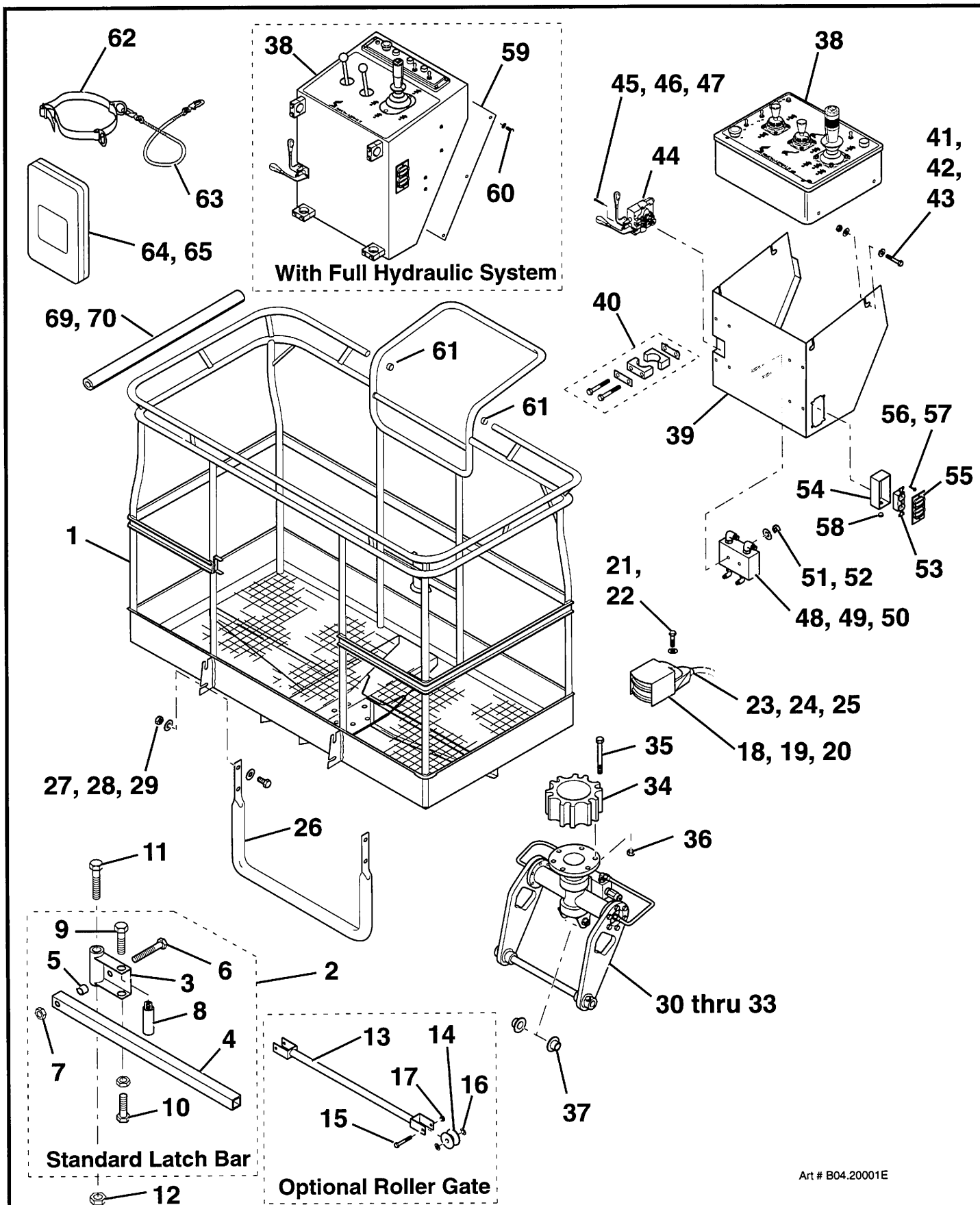
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Full Hydraulic (with 3 "Joystick" controls) or "Type 2" Electro-Proportional (with 3 "Joystick controls"); Current style, with Platform Rotate and Level valves both <u>inside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

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

PLATE NO. B04.20 **SIMON AERIALS INC.**

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

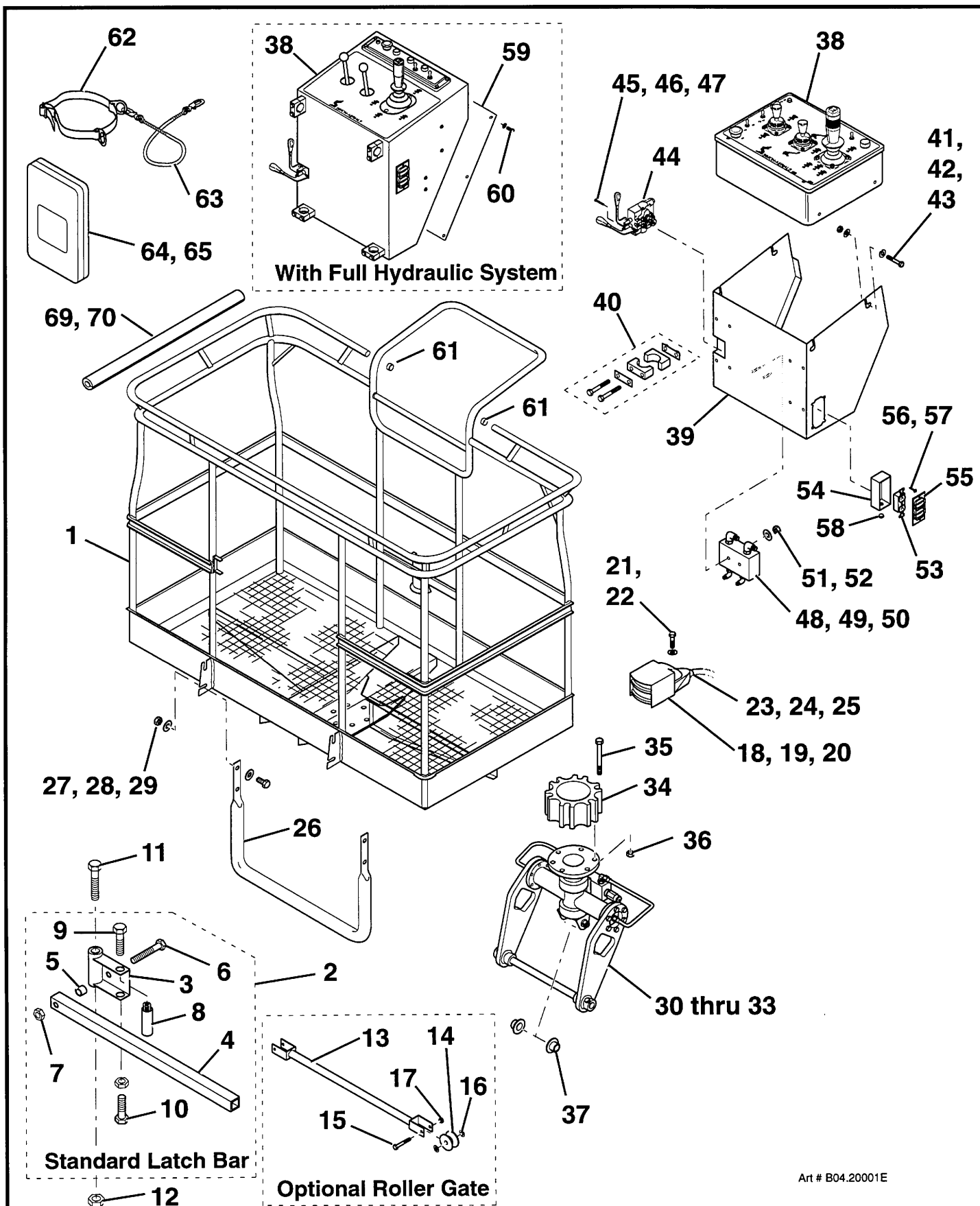
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	02-010600	D24.06	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
31			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
32			PIN, SLAVE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

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

PLATE NO. B04.20 SIMON AERIALS INC.

REV. 30 AUG., 1995
THIS SHEET ONLY

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

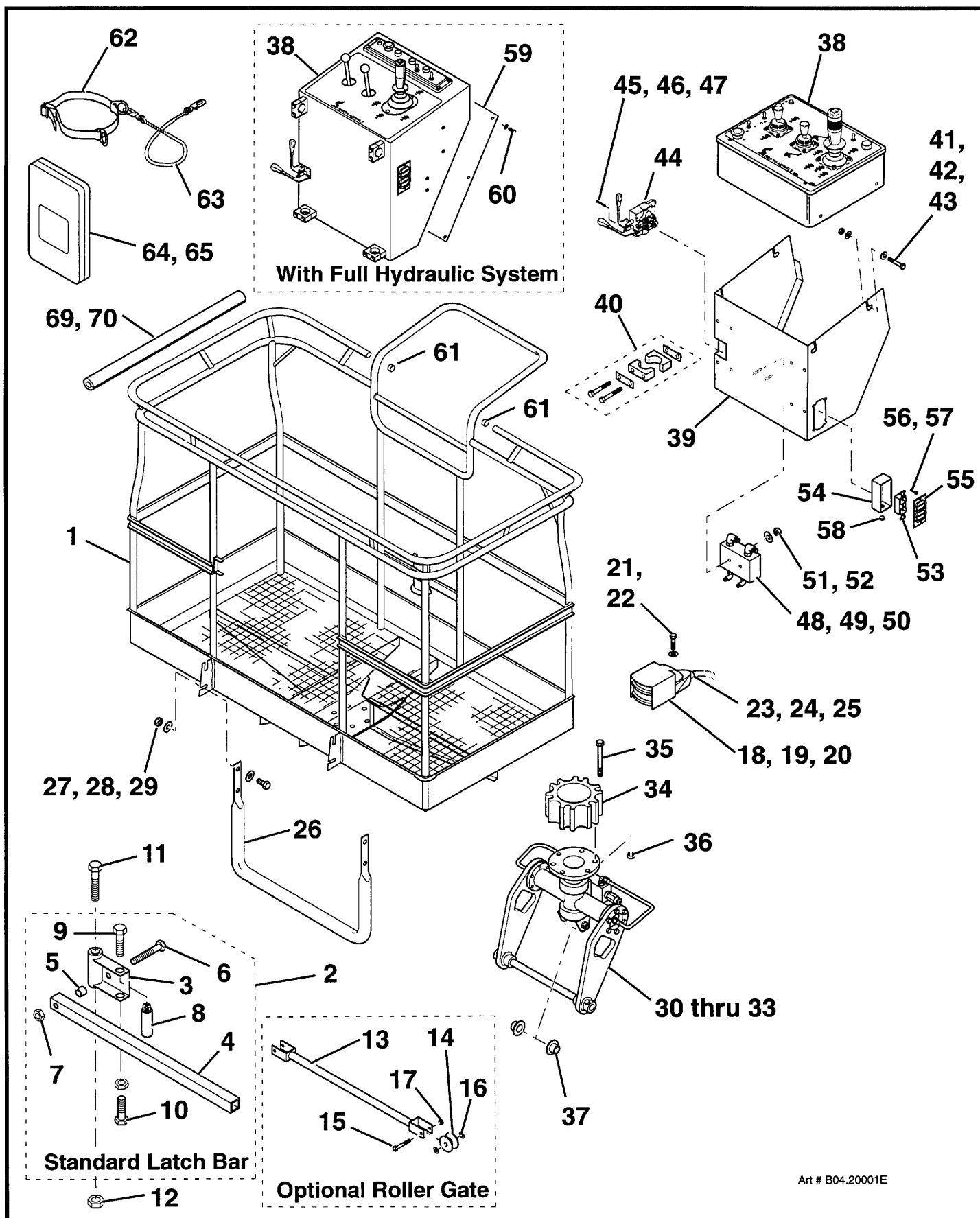
SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

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



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	Call Simon 234 5620		SENSOR RING PACKAGE for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform	1
1	Call Simon		for 36" x 96" (.91 M x 2.44 M) Platform	
	Call Simon 234 5530		SENSOR RING ASSEMBLY for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
2	Call Simon 234 5540		SENSOR RING HALF (with limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
3	Call Simon		SENSOR RING HALF (without limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
4	Call Simon 217 3950		COLLAR, SENSOR RING	4
5	06-015300		UNION (12 HTX-S)	2
6	218 3350		WIRE ROPE ASSEMBLY	4
7	217 3950		COLLAR, SENSOR RING (welded to platform)	4
8	07-023600		SET SCREW, SOCKET HEAD (1/4"-20 x 1/2", Grade 5)	8
9	03-428300		SWITCH, LIMIT	1
10	217 5320		ROD, SENSOR RING SWITCH	1
11	234 5550		BRACKET, SWITCH MOUNTING	1
12	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	2
13	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
14	03-020300		SWITCH, PUSHBUTTON (Sensor ring override)	1
15	10-116800		DECAL, "SENSOR RING OVERRIDE . . ."	1
16	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, order as needed. 7 Ft. [2.1 M] needed here)	A.R.
17	03-045500		GRIP, CORD (1/2")	2
18	03-055500		NUT, CONDUIT LOCK (1/2")	1
TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 1 OF 2)				
PLATE NO.	B04.99	SIMON AERIALS INC.		PART NO.
			NEW 23 MAR., 1995	

PARTS LIST

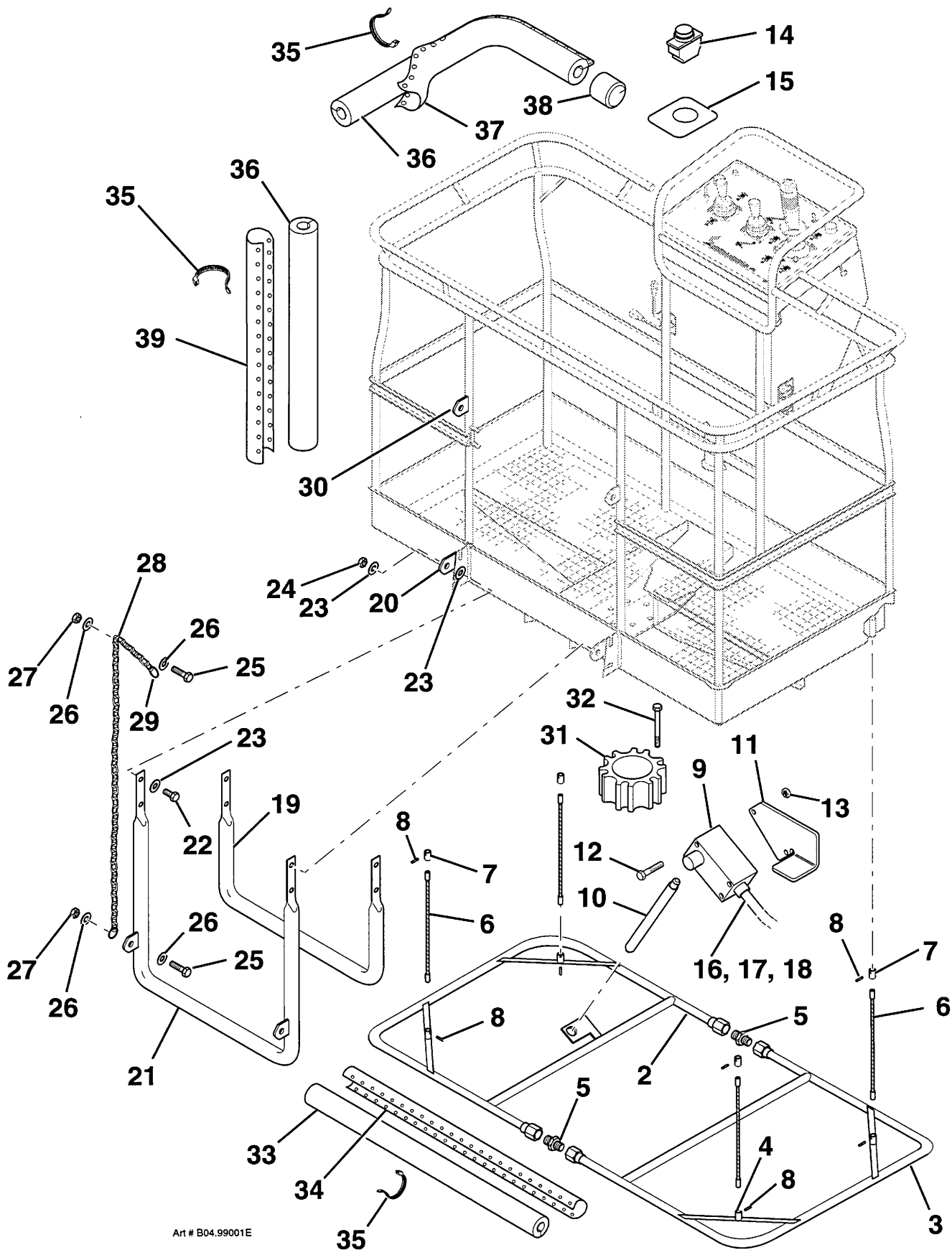
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	234 5560		STEP, FIXED (12-1/4" [.31 M] long) (replaces step found on standard platform)	1
20	234 5570		TAB, STEP MOUNTING	2
21	234 5590		STEP, FOLDING (28-1/8" [.71 M] long)	1
22	07-003065		CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	2
23	07-062017		WASHER,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

TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

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

NEW 23 MAR., 1995

PART NO.



TITLE

PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 23 MAR., 1995

PART
NO.

PLATE
NO.

B04.99

PARTS LIST

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

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

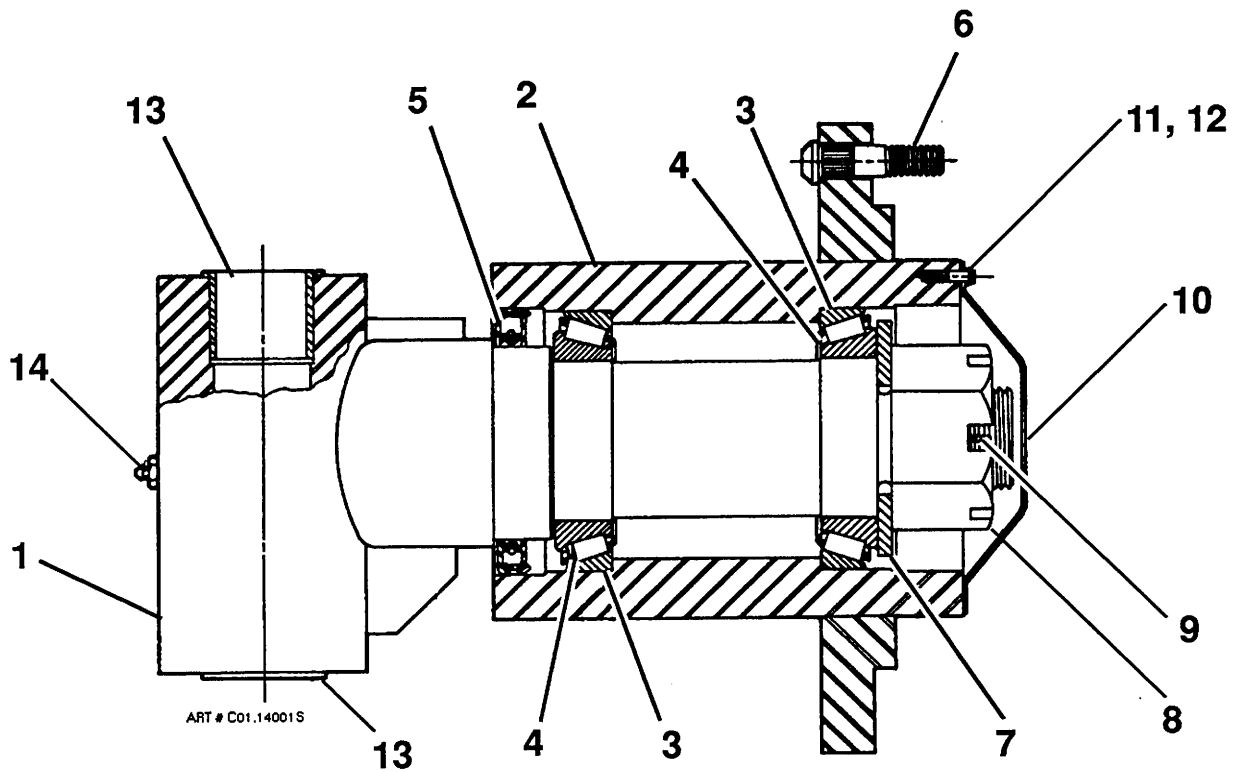
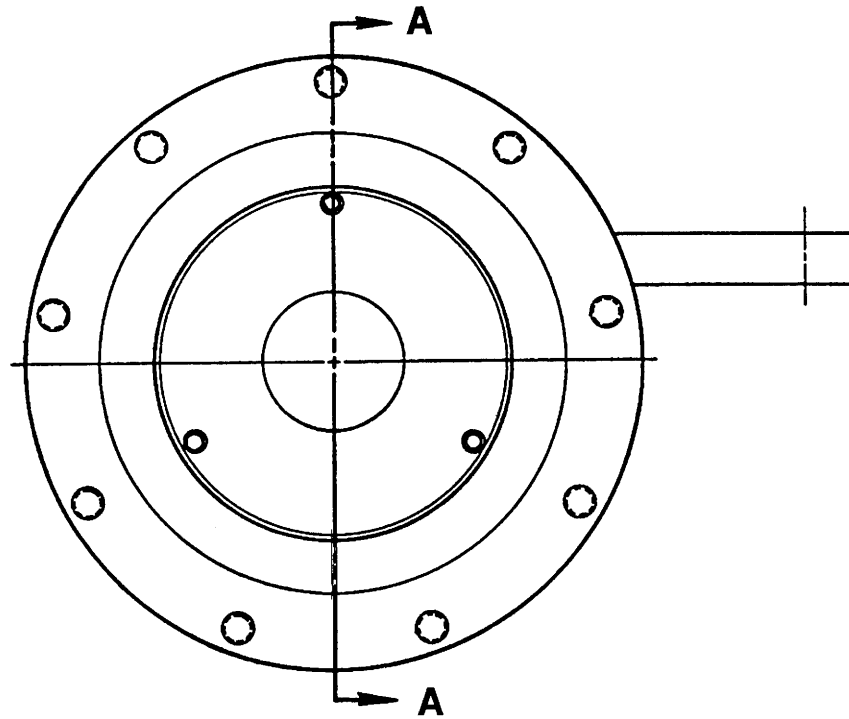
PLATE NO.

C01.05

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART NO.



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.

PLATE
NO. C01.05

PARTS LIST

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

TITLE

SPINDLE ASSEMBLY, LEFT HAND

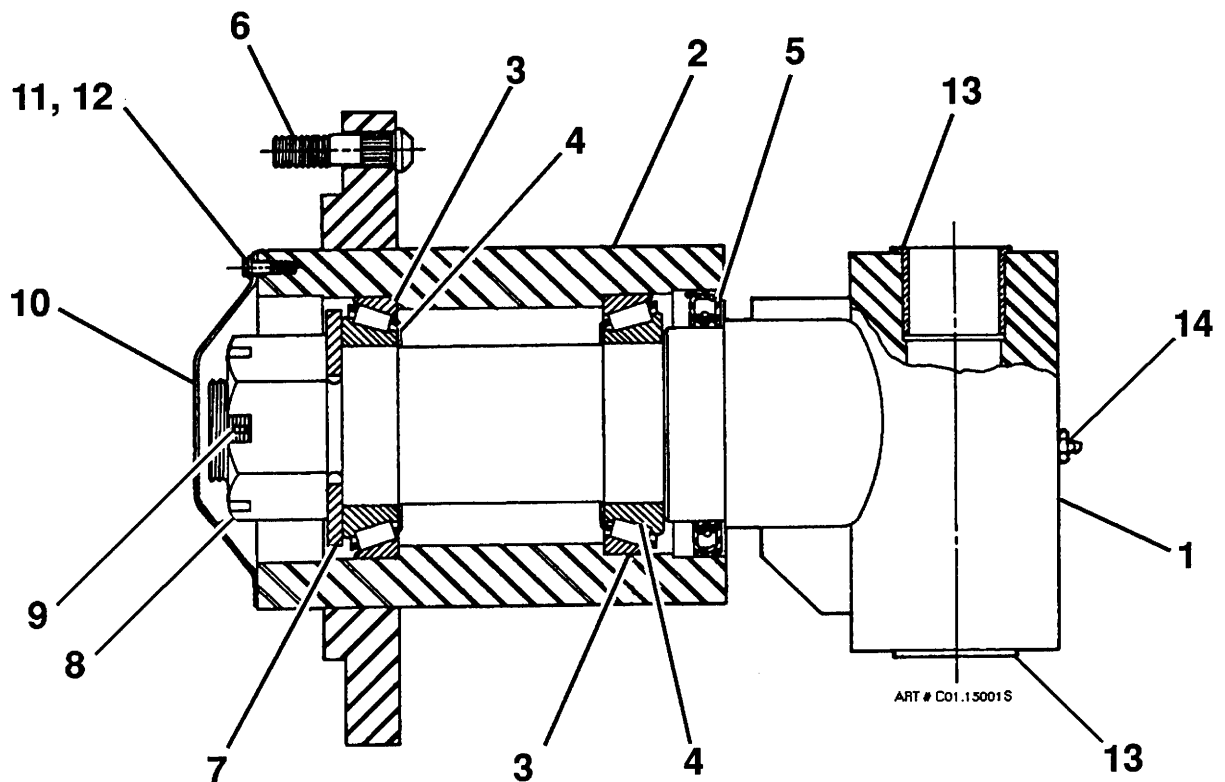
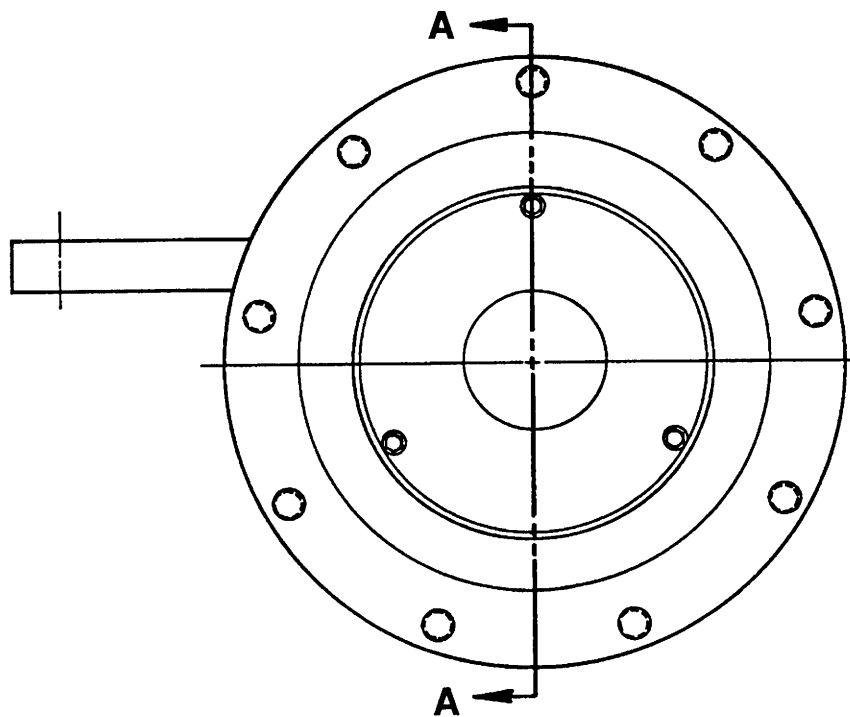
PLATE NO.

C01.06

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART NO.



SECTION "A" - "A"

TITLE SPINDLE ASSEMBLY, LEFT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.

PLATE
NO. C01.06

PARTS LIST

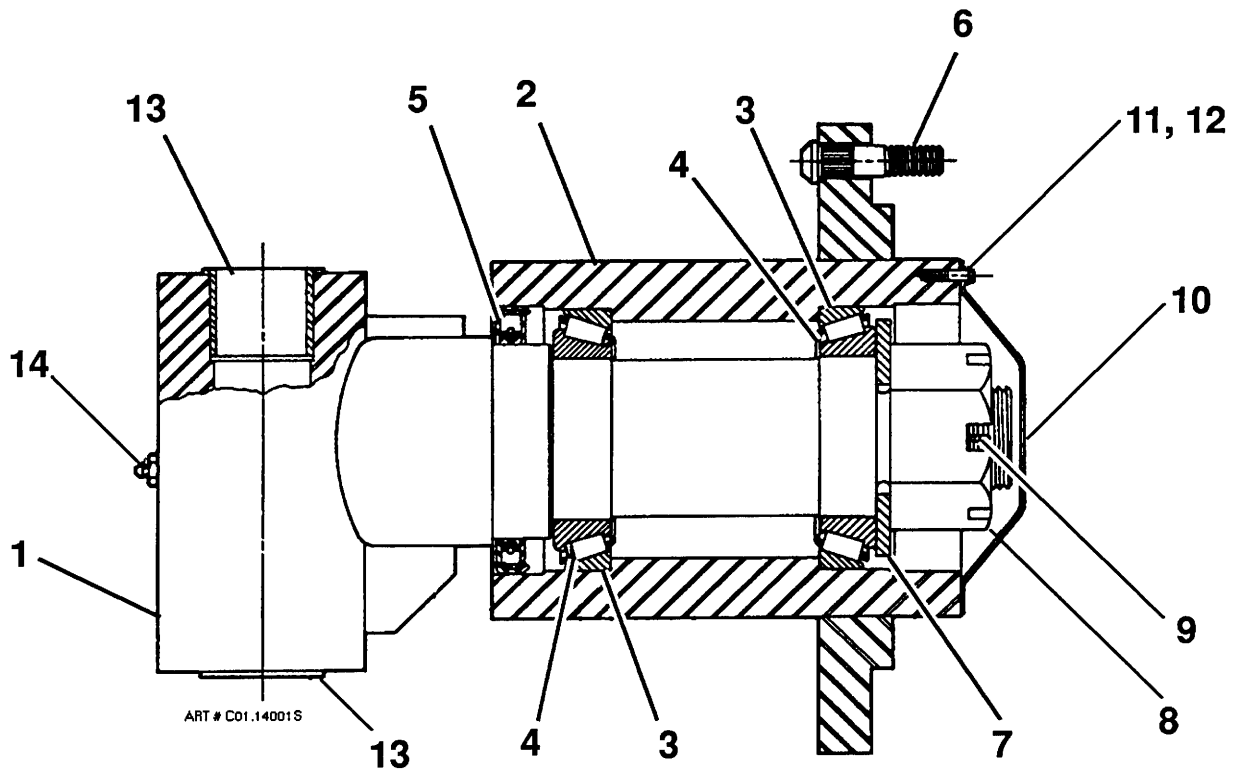
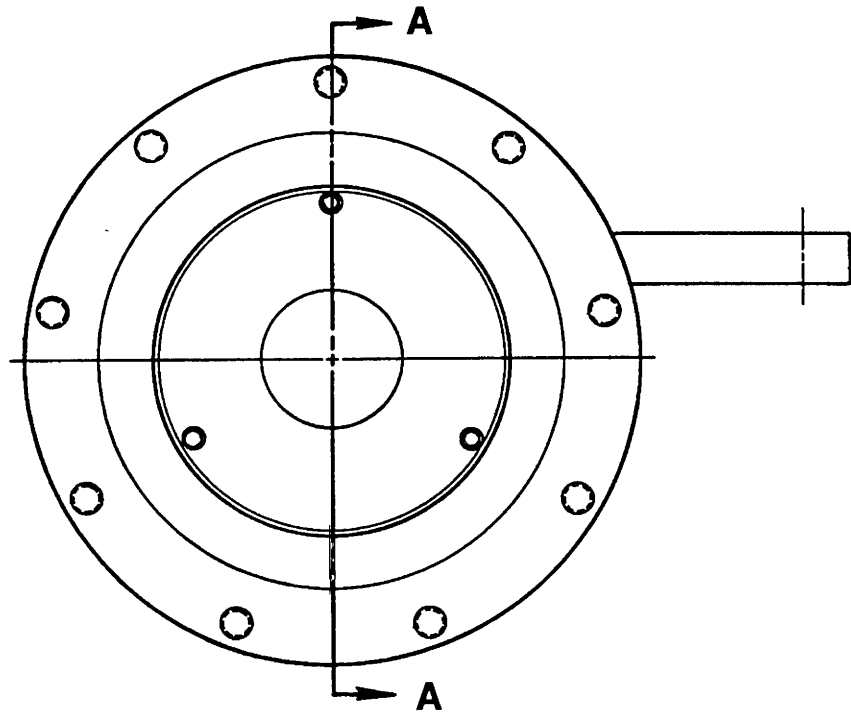
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TITLE SPINDLE ASSEMBLY, RIGHT HAND

PLATE NO.	C01.14	SIMON AERIALS INC.
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REV. 12 MAR., 1993

PART NO. 3502495



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

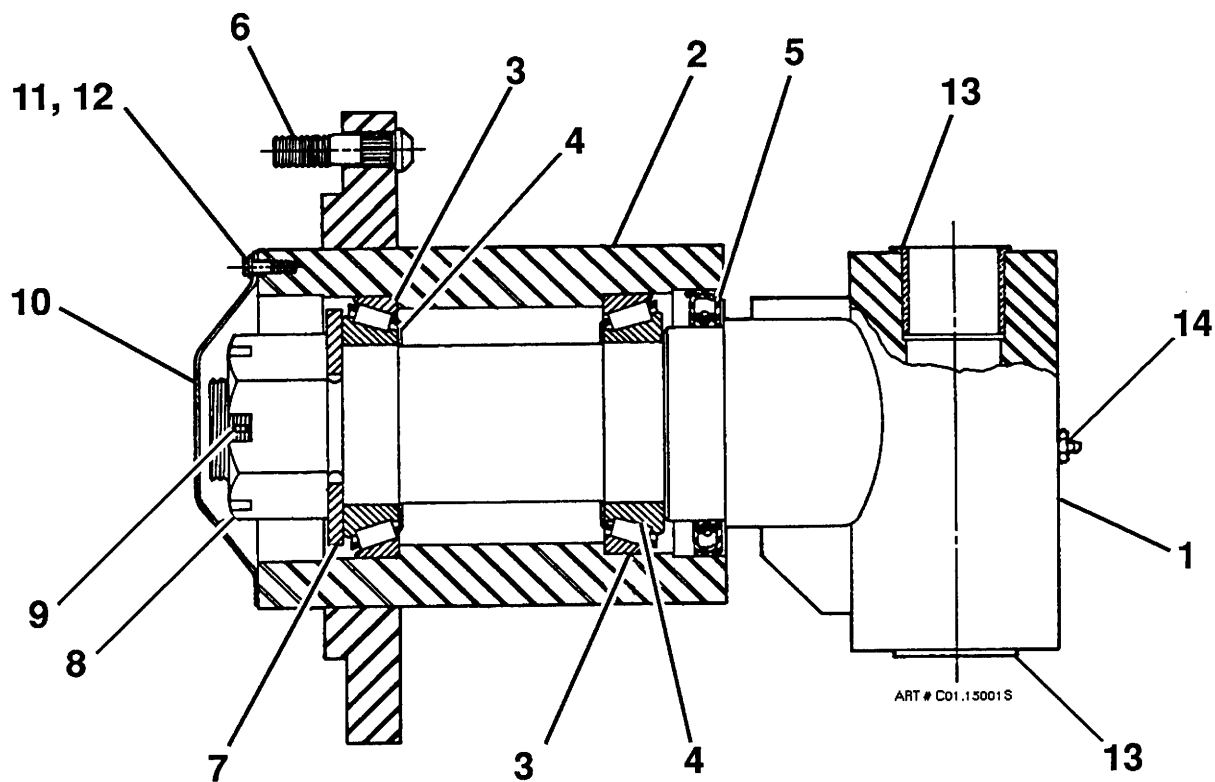
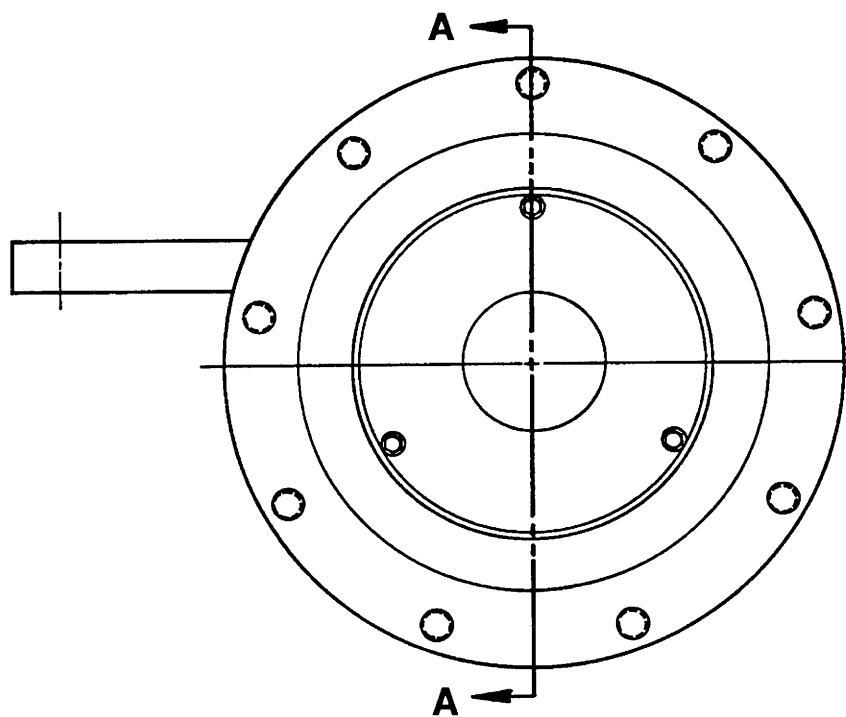
PART
NO.

3502495

PLATE
NO.

C01.14

ITEM	PART
	35030
1	20707
2	20225
3	08-003
4	08-003
5	01-030
6	07-030
7	07-062
8	07-045
9	07-070
10	20211
11	07-003
12	07-065
13	08-014
14	08-051
TITLE	
PLATE NO.	C0



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, LEFT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.

3503089

PLATE
NO.

C01.15

PARTS LIST

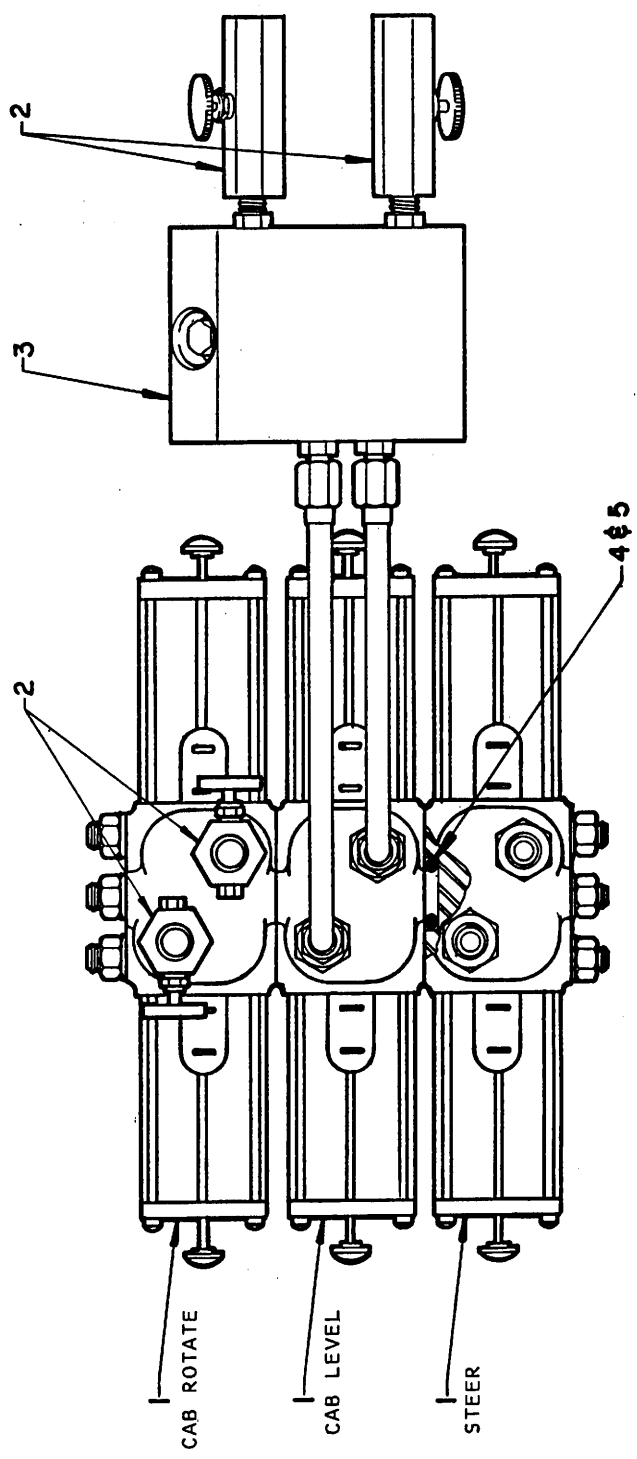
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
2	01-000500		NEEDLE VALVE	4
3	01-001900		DOUBLE LOCK VALVE	1
4	01-031703		SEAL, 1-1/16 O.D.	2
5	01-031702		SEAL, 3/4 O.D.	2

DESCRIPTION

VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)

PART NO.

CAA-208489-5



0785/0785

DESCRIPTION

VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)

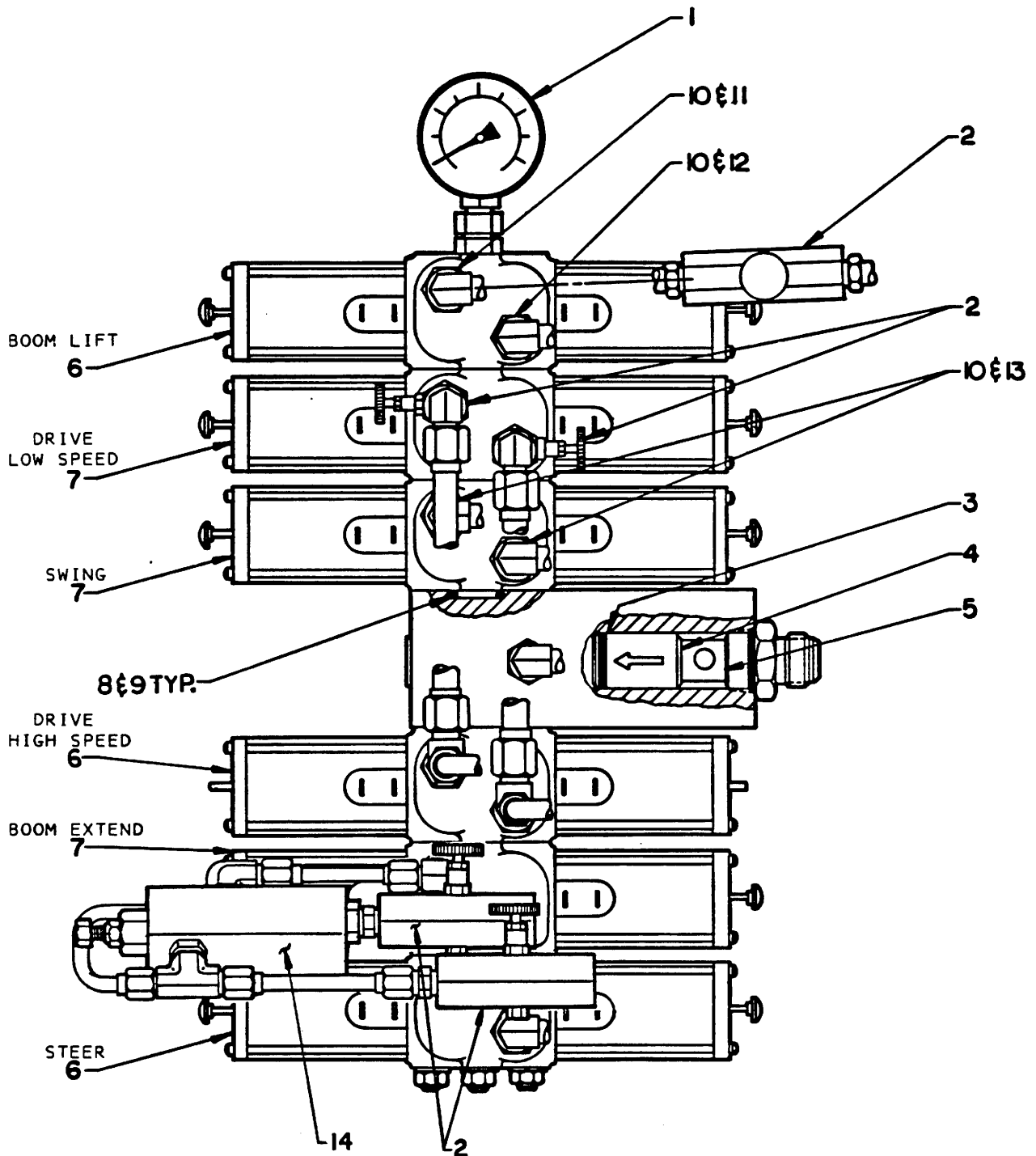
PART NO.

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			VALVE BANK ASSEMBLY	PART NO. CAA-209812-8

C2.17



1285/0685

DESCRIPTION

VALVE BANK ASSEMBLY

PART NO.

CAA-209812-8

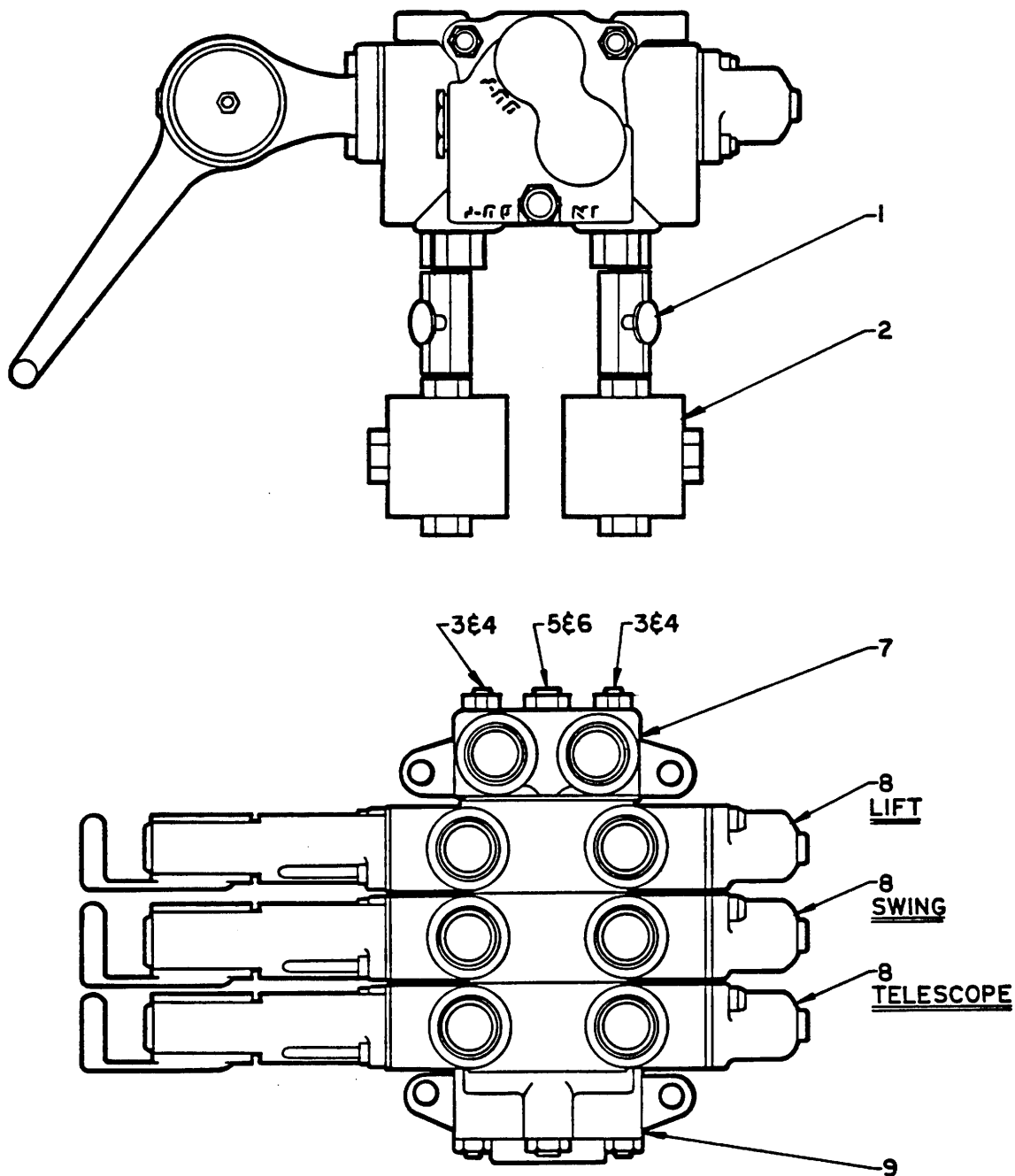
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-019000		NEEDLE VLAVE, #8 SAE PORTS	2
2	01-017600		SHUTTLE VALVE, #8 SAE PORTS	6
3*			TIE ROD, 5/16-11 X 6-3/4 LG.	2
4*	HEX NUT, 5/16		EX NUT, 5/16-18	4
5*			TIE ROD, 3/8-24 X 6-3/4 LG.	1
6*	HEX NUT, 3/8-2		HEX NUT, 3/8-24	2
7	01-067704		INLET VALVE SECTION	1
8	01-067701	D14.2	4-WAY MANUAL VALVE SECTION	3
9	01-067705		END CAP SECTION	1
*			TIE ROD KIT	1

DESCRIPTION

VALVE BANK ASSEMBLY- (LIFT, SWING, TELESCOPE)

PART NO.



BOTTOM VIEW

0286/0186

DESCRIPTION

VALVE BANK ASSEMBLY- (LIFT, SWING, TELESCOPE)

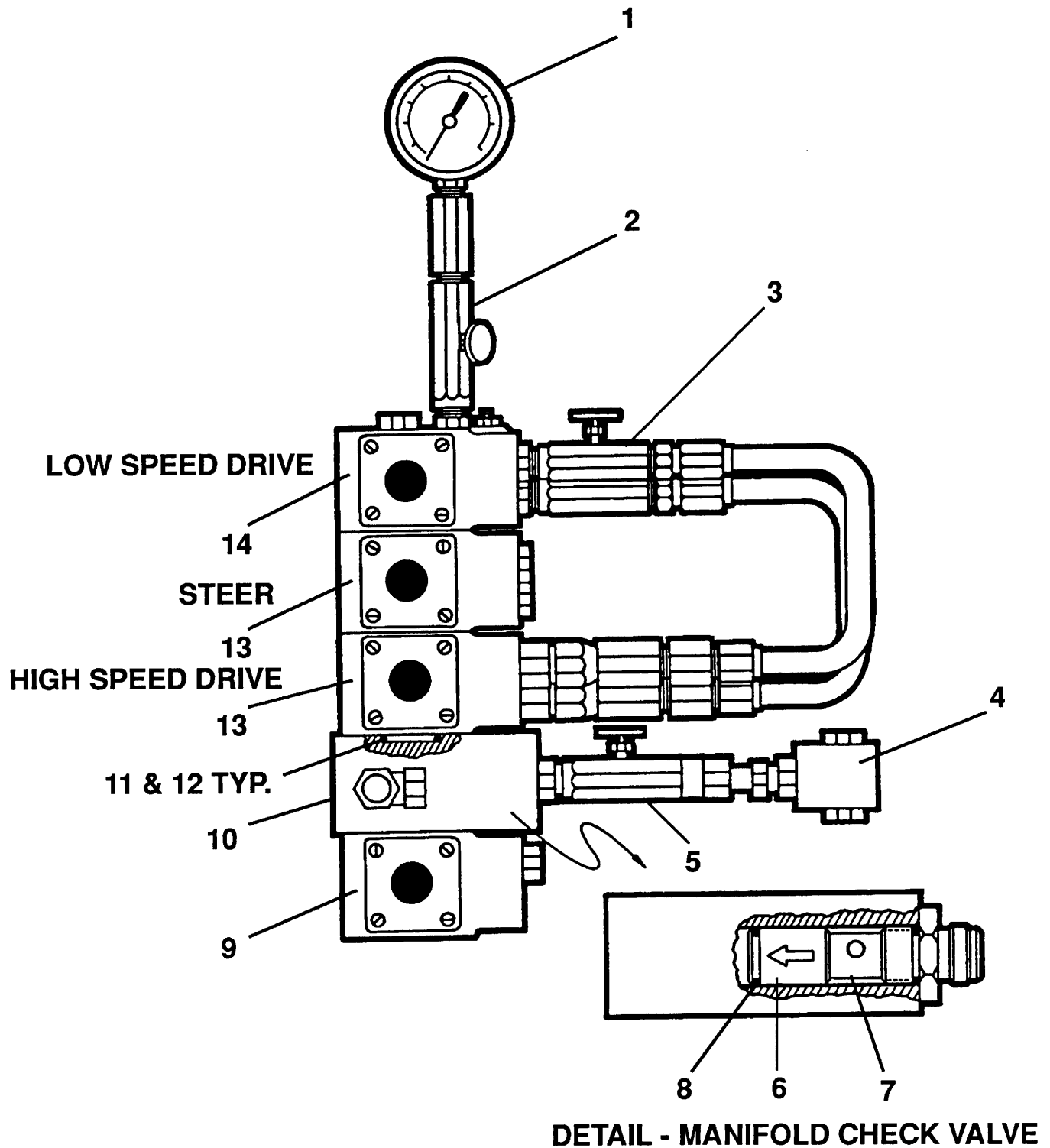
PART NO.

[illegible]

TITLE	VALVE BANK ASSEMBLY (DRIVE, STEER)
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PLATE NO.	C02.19
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PART NO. 3510195



TITLE VALVE BANK ASSEMBLY (DRIVE, STEER)

SIMON AERIALS INC.

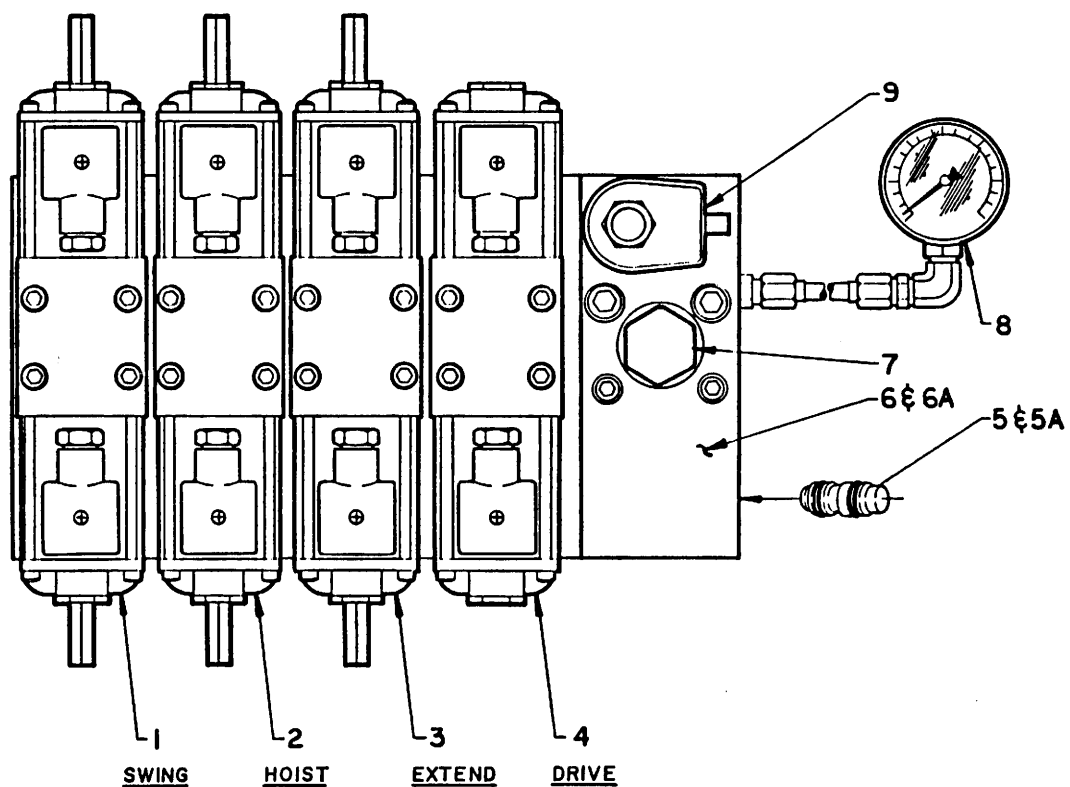
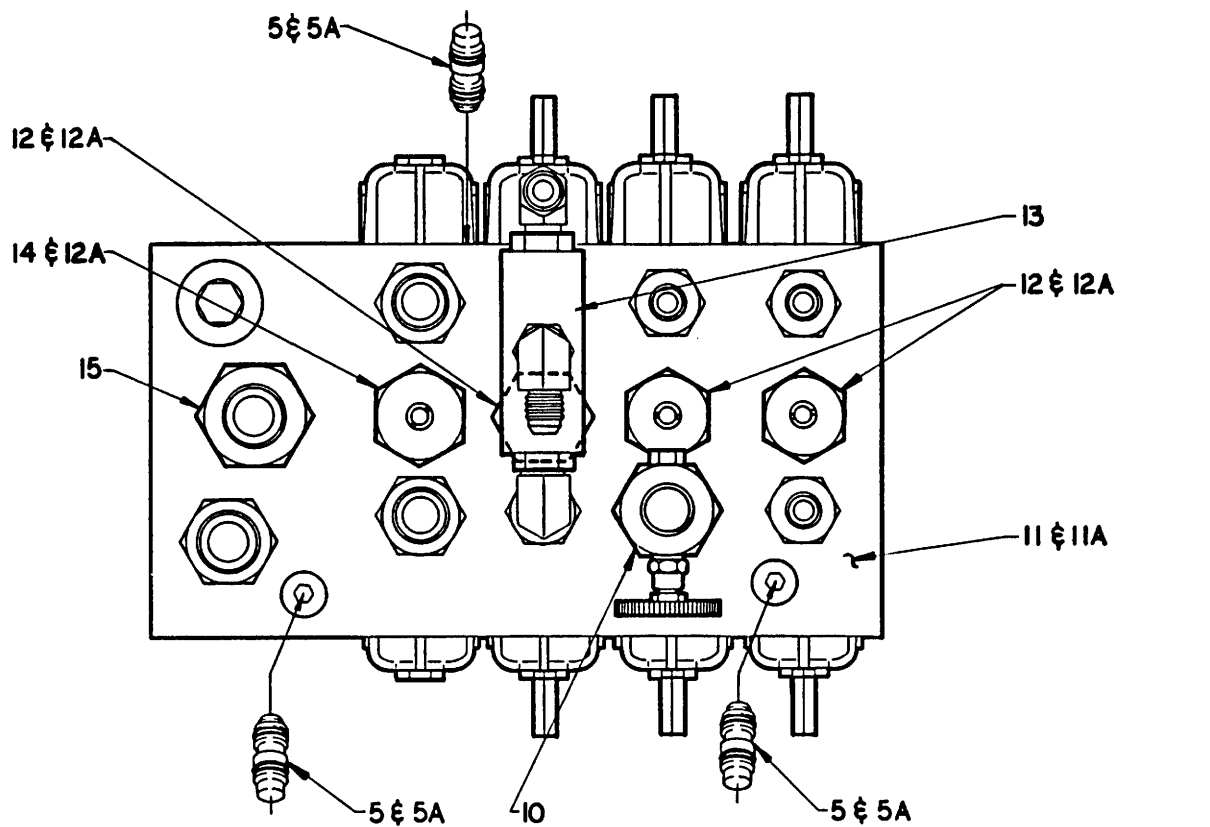
REV. 09/16/91

PART NO. 3510195

PLATE NO. C02.19

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	01-040302	D13.3	SOLENOID CONTROL VALVE, EXTEND	1
4	01-017504	D13.4	SOLENOID CONTROL VALVE, DRIVE	1
5			SHUTTLE VALVE	4
5A			SEAL KIT, SHUTTLE VALVE	4
6			AUXILIARY MANIFOLD BODY	1
6A			SEAL KIT, AUXILIARY MANIFOLD	1
7			FLOW CONTROL VALVE, 4 GPM	1
8	01-021000		PRESSURE GAUGE	1
9	01-040308		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	01-012800		SEAL KIT, CARTRIDGE COMPENSATOR	4
13			PRESSURE REDUCING VALVE	1
14			CARTRIDGE COMPENSATOR, SERIES 10	1
15	01-018200		CHECK VALVE	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (DRIVE, EXTEND, HOIST, SWING)				



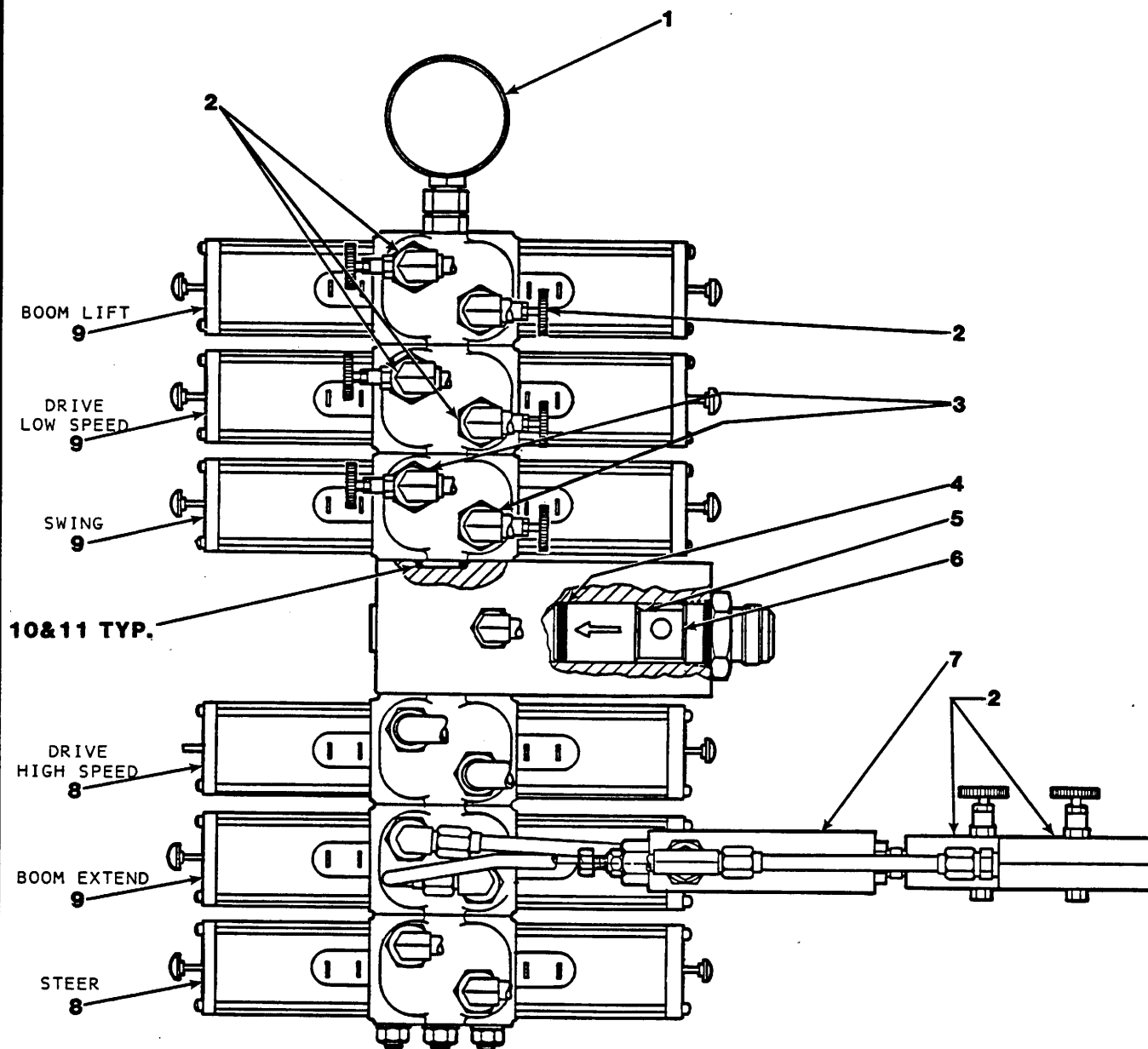
DESCRIPTION

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

PART NO.

PARTS LIST

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



0786/0486

DESCRIPTION

VALVE BANK ASSEMBLY

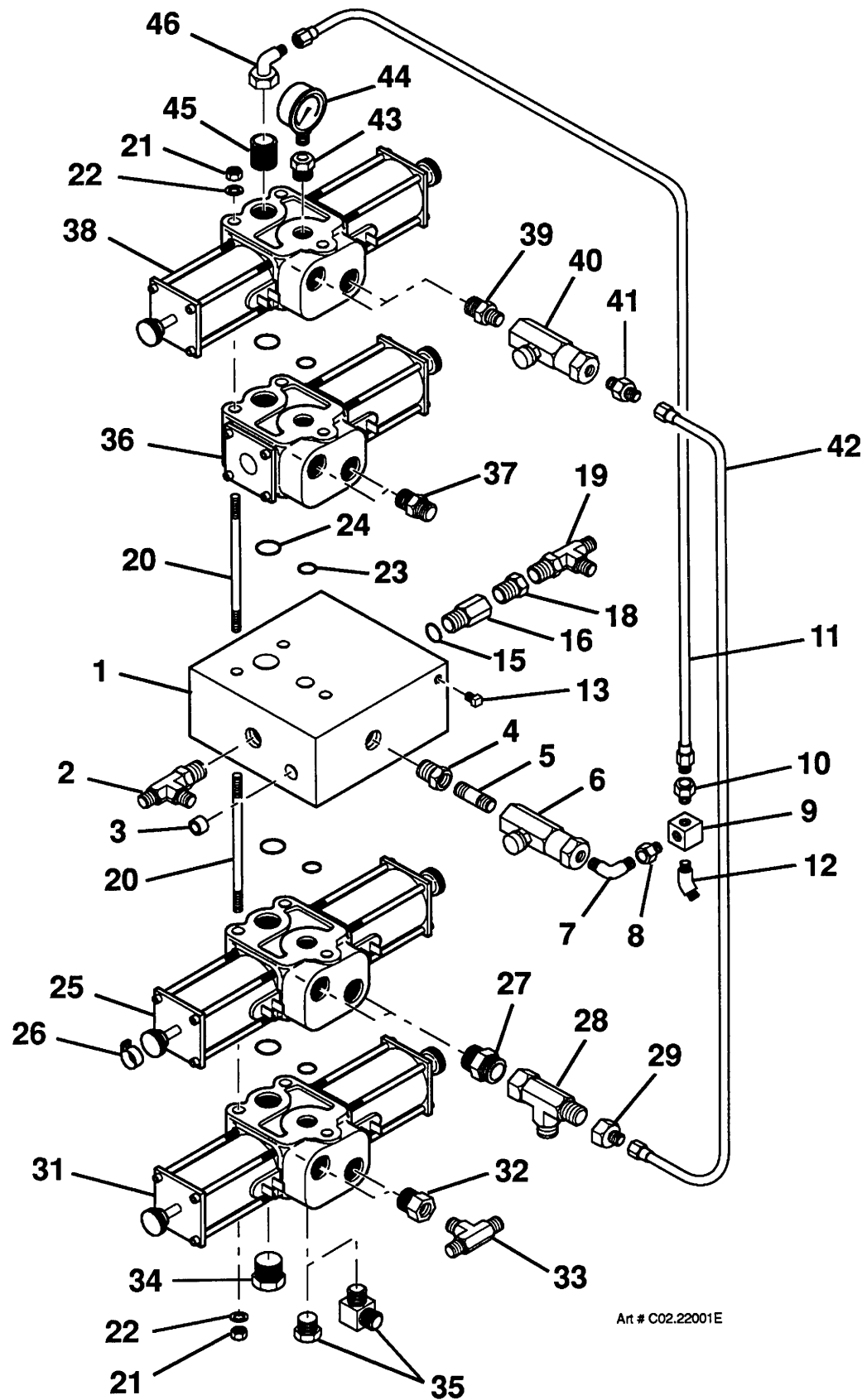
PART NO.

PARTS LIST

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

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

PLATE NO.	C02.22	SIMON AERIALS INC.	REV. 06/26/91	PART NO.	3511020
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TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

SIMON AERIALS INC.

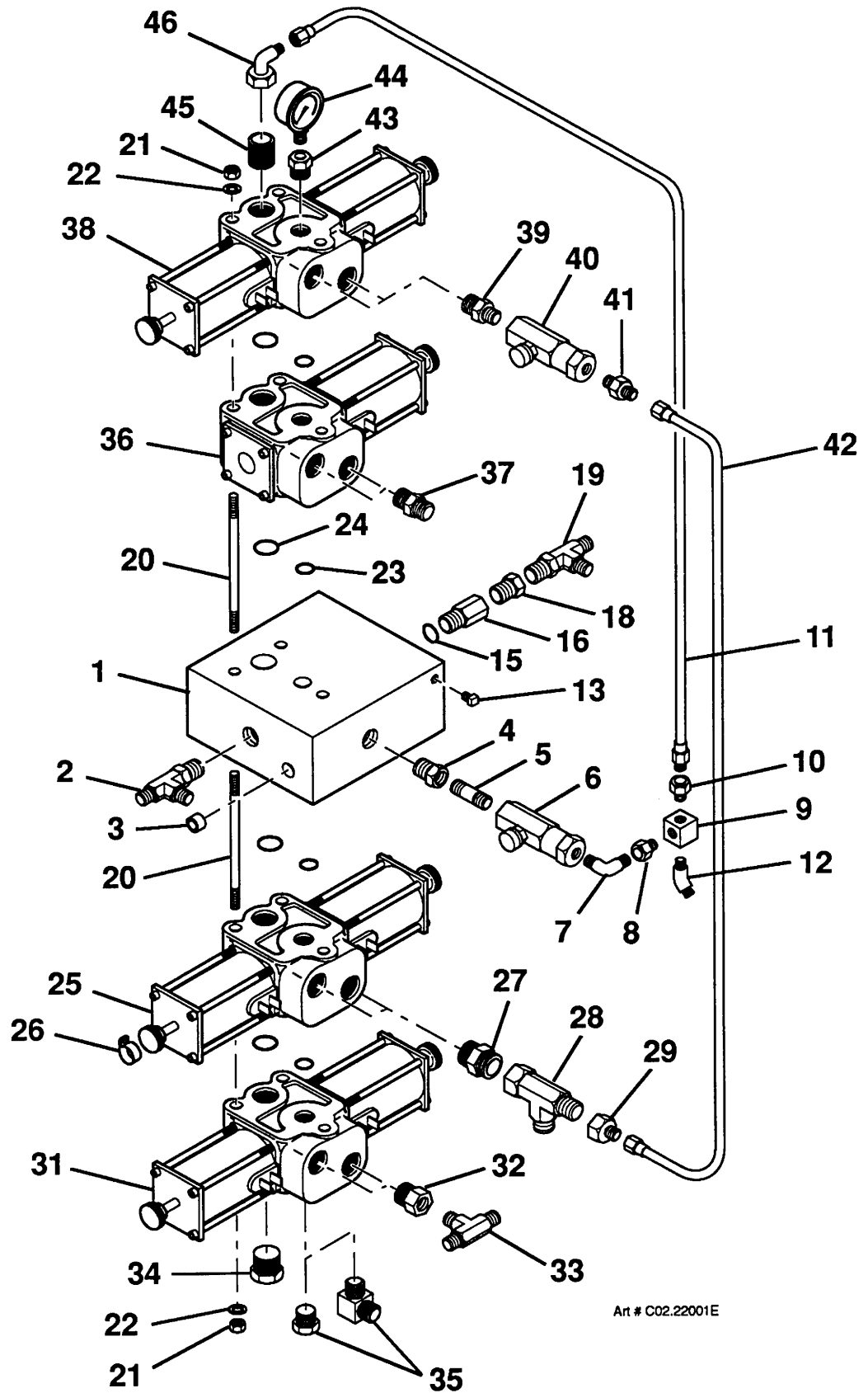
REV. 06/26/91

PART NO. 3511020

PLATE NO. C02.22

[illegible]

PLATE NO.	C02.22	SIMON AERIALS INC.	REV. 06/26/91	PART NO.	3511020
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Art # C02.22001E

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

SIMON AERIALS INC.

REV. 06/26/91

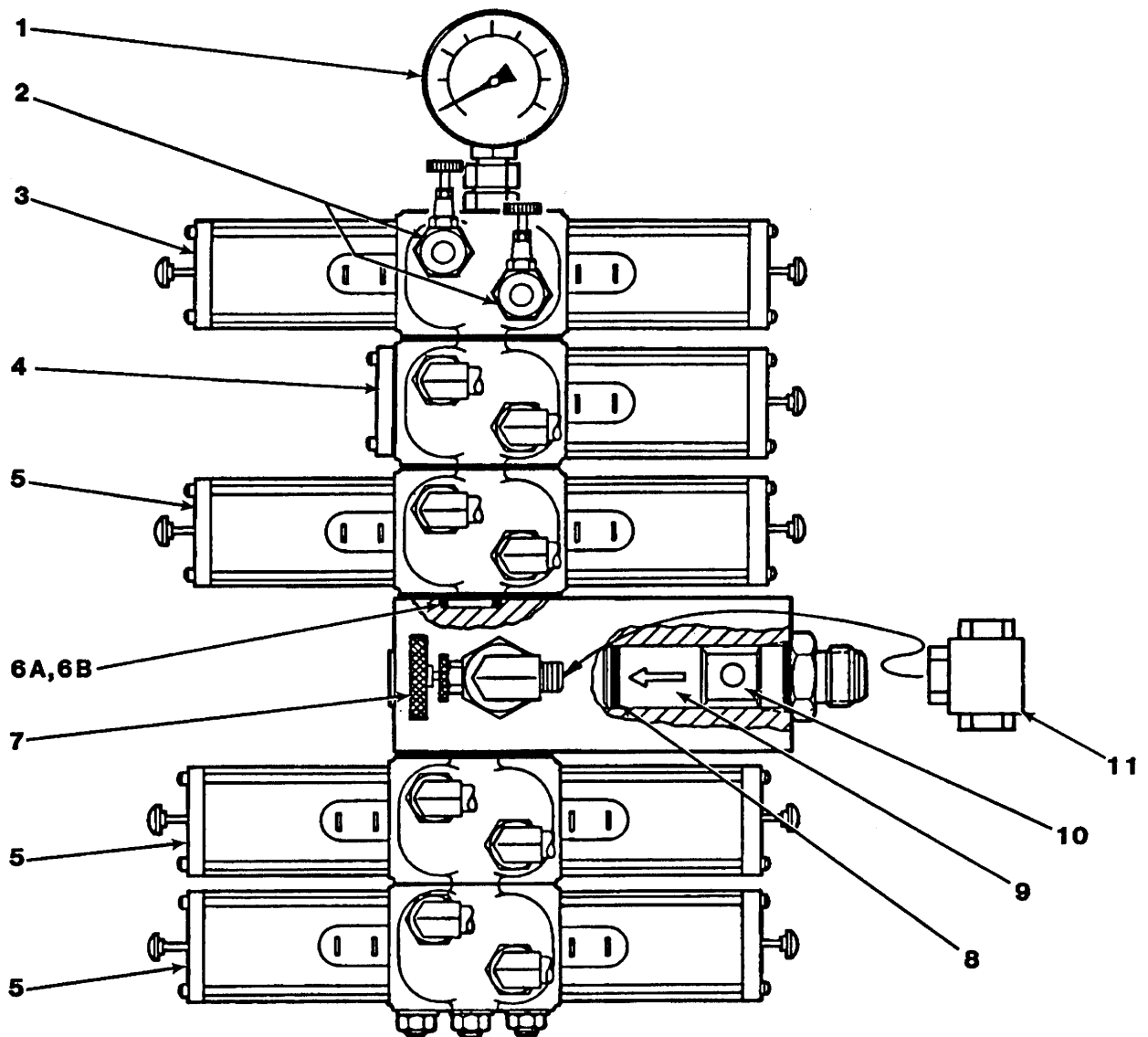
PART NO. 3511020

PLATE NO. C02.22

[illegible]

VALVE BANK ASSEMBLY (DRIVE AND STEER)

PART NO. 3511020



TITLE

VALVE BANK ASSEMBLY (DRIVE AND STEER)

SIMON AERIALS INC.

REV. 11/30/90

PART
NO.

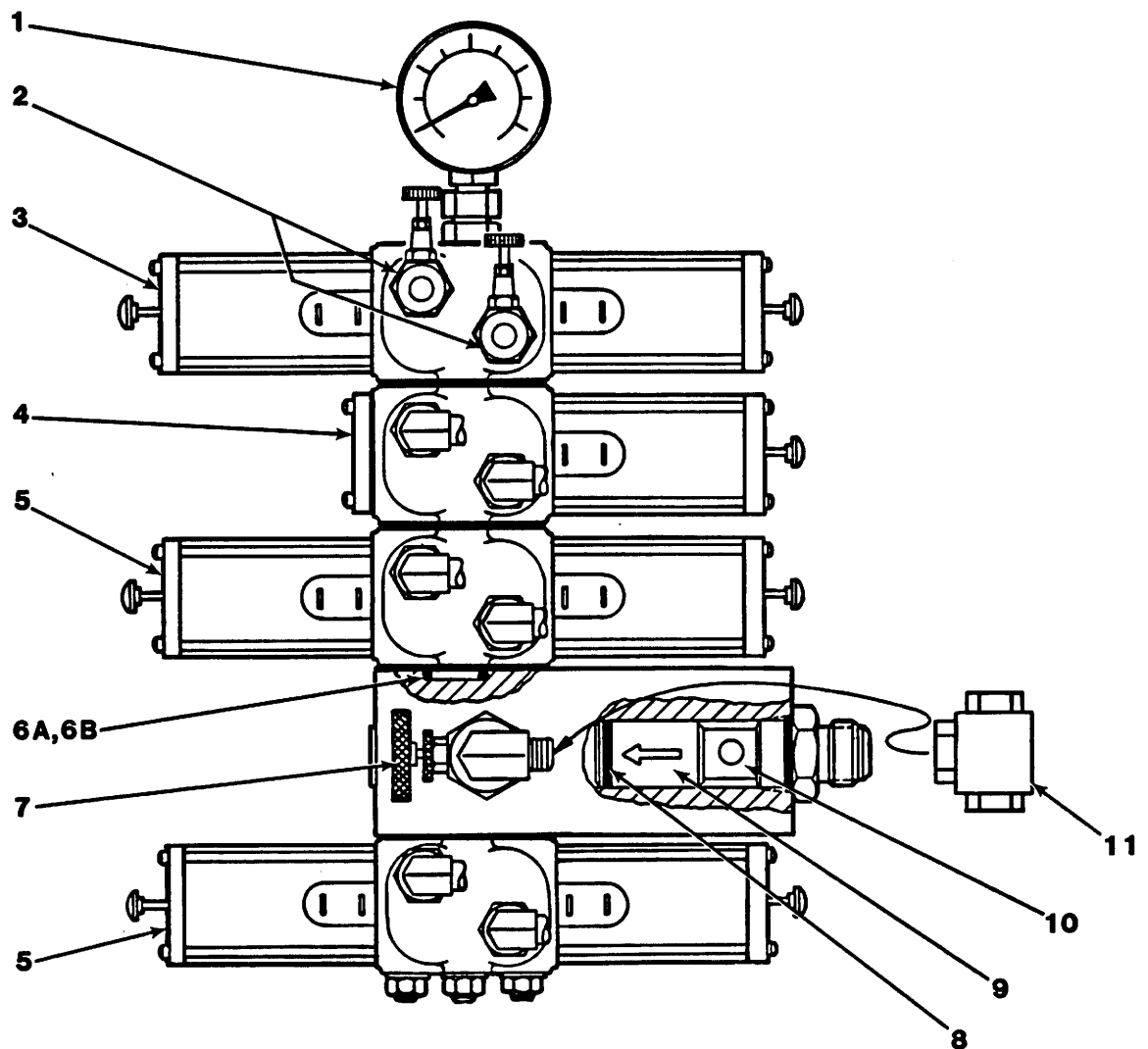
3511020

PLATE
NO.

C02.23

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-019000		NEEDLE VALVE, #8 SAE PORTS	1
3	01-031800	D13.2	SOL. CONT. VALVE, 4-WAY (LOW SPEED DRIVE)	1
4	01-061900		SOL. CONT. VALVE, 4-WAY (DIVERTER)	1
5	01-031700	D13.1	SOL. CONT. VALVE, 4-WAY (HI SPEED DRIVE)	2
6A	01-031703		'O' RING, 1-1/16 O.D.	8
6B	01-031702		'O' RING, 3/4 O.D.	8
7	01-012300		NEEDLE VALVE, PRESSURE COMPENSATED	1
8	01-034200		'O' RING	1
9	01-034100		CHECK VALVE	1
10	SBD-201510-9		SPACER	1
11	01-013800		SHUTTLE VALVE,	1
DESCRIPTION			VALVE BANK ASSEMBLY - (DRIVE)	PART NO.



0286/1086

DESCRIPTION

VALVE BANK ASSEMBLY - (DRIVE)

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			VALVE BANK ASSEMBLY, GROUND (Lift, swing, telescope)	1
2	01-067701	D14.02	VALVE SECTION, 4-WAY MANUAL	3
3	01-067704		VALVE SECTION, INLET	1
4	01-067705		END SECTION, VALVE	1
5			TIE ROD KIT	1
6			TIE ROD (5/16"-11 X 6-3/4" long)	2
7			NUT, HEX (5/16"-11)	4
8			TIE ROD (3/8"-24 X 6-3/4" long)	1
9			NUT, HEX (3/8"-24)	2
10	01-018900		VALVE, NEEDLE (#6 SAE ports)	3
11	01-019000		VALVE, NEEDLE (#8 SAE ports)	1
12	3511030		SHUTTLE VALVE ASSEMBLY (for MP 70 and smaller)	1
	3517640		SHUTTLE VALVE ASSEMBLY (for MP 80 and larger)	1
13	01-071300		BLOCK, SHUTTLE VALVE	1
14	01-071200		VALVE KIT, SHUTTLE	6
15			SEAT (with "O"-Ring)	2
16			BALL	1
17	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	12
18	06-044800		ELBOW, STRAIGHT THREAD (8 C50X)	2
19	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X)	2
20	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	3
21	3515610		TUBE ASSEMBLY (left hand)	1
22	3515600		TUBE ASSEMBLY (right hand)	1
23			VALVE, PRESSURE REDUCING	
	01-012800		(100 to 3,000 PSI, 10 GPM) (for assembly 3511030)	1
	01-082400		(100 to 3,000 PSI, 20 GPM) (for assembly 3517640)	1
24	06-090400		REDUCER/ EXPANDER (6-8 F50G5)	1
25	06-048600		RUN TEE, STRAIGHT THREAD (8 R50X)	1
26	07-003013		CAP SCREW, HEX HEAD (1/4"-20 x 3")	2
27	07-060014		WASHER, FLAT (1/4" SAE)	4
28	07-050014		NUT, STOP (1/4"-20)	2
29	2126710		BRACKET, SHUTTLE VALVE MOUNTING (ref.)	1

TITLE VALVE BANK ASSEMBLY (LIFT, SWING, TELESCOPE)

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

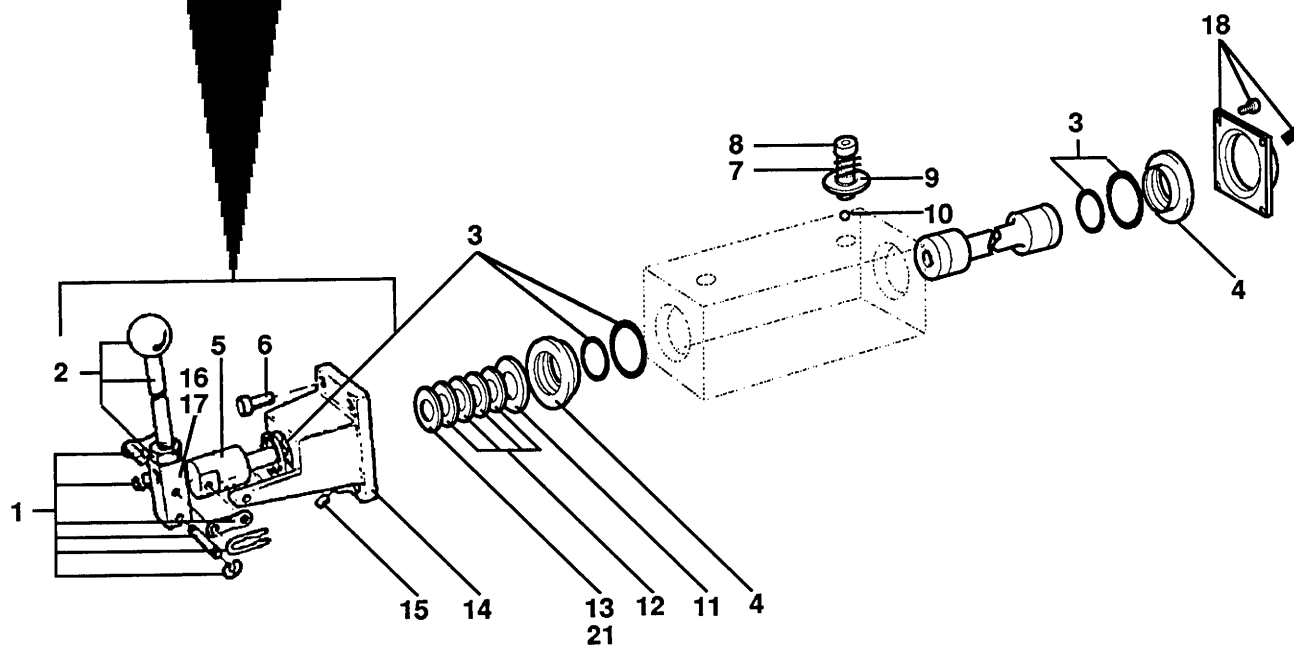
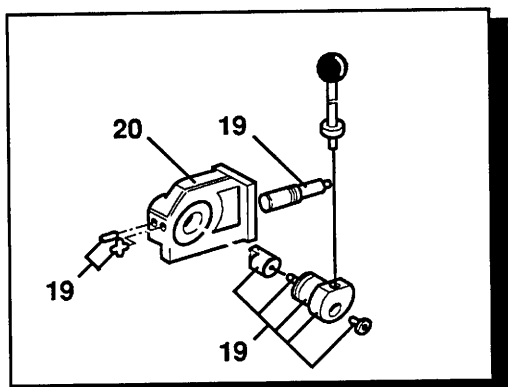
REV. 08/26/91

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-061717		CONNECTOR ASSEMBLY	1
2	01-061701		LEVER ASSEMBLY	1
3	01-061716		SEALING KIT	1
4	01-061708		SEAL RING KIT	1
5	01-061702		BOLT	1
6	01-061703		SCREW	2
7	01-061704		SPRING, PRESSURE	2
8	01-061705		SCREW	2
9	01-061706		RING, SEAL	2
10	01-061707		BALL	2
11	01-061709		SPACER	1
12	01-061710		PLATE, SPRING	10
13	01-061711		WASHER	1
14	01-061712		HOUSING	1
15	01-061713		PIN, THREAD	1
16	01-061714		BRACKET	1
17	01-061715		BRACKET	1
18	01-061718		COVER ASSEMBLY	1
19*	01-061723		PIVOT ASSEMBLY	1
20*	01-061719		HOUSING	1
21*	01-061724		RING, CENTERING	1
			*USED ON EARLIER MODELS	
			NOTE: ITEMS WHICH ARE NOT LISTED	
			CANNOT BE ORDERED SEPARATELY; ORDER	
			COMPLETE ASSEMBLY IF REPLACEMENT IS REQUIRED.	
TITLE	VALVE BANK ASSEMBLY (FULL HYDRAULIC)			
PLATE NO.	C02.30	SIMON AERIALS INC.	REV. 11/30/90	PART NO. 01-061700

USED ON EARLIER MODELS



TITLE

VALVE BANK ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 11/30/90

PART
NO.

01-061700

PLATE
NO.

C02.30

PARTS LIST

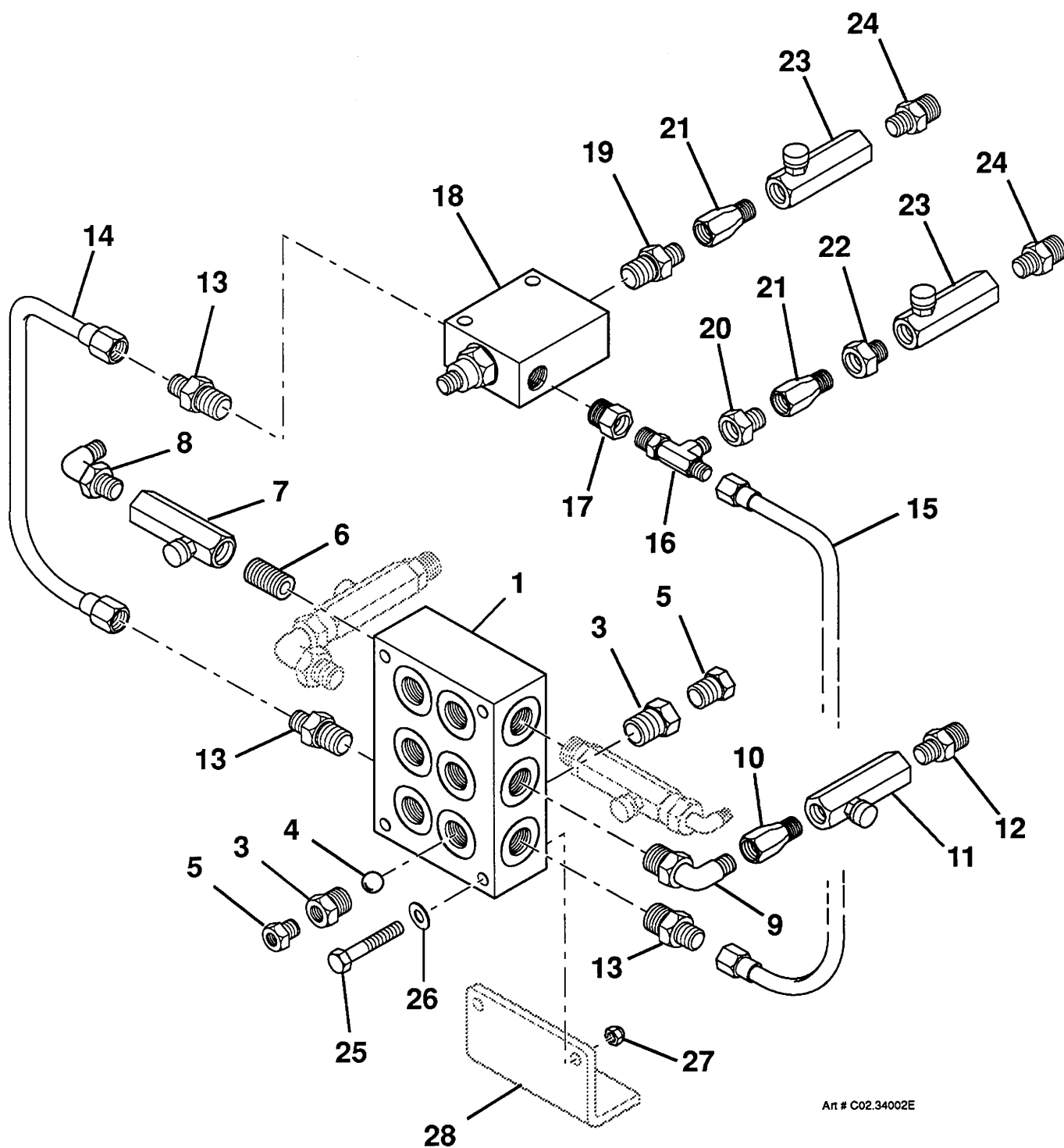
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3524470		SHUTTLE VALVE ASSEMBLY (MP 70 and smaller, with Ground control C02.35)	1
			SHUTTLE VALVE ASSEMBLY (MP 80 and larger, with Ground control C02.35)	1
1	01-071300		BLOCK, SHUTTLE VALVE	1
2	01-071200		VALVE KIT, SHUTTLE	6
3			SEAT (with "O"-Ring)	2
4		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

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

PLATE NO. C02.34 SIMON AERIALS INC.

NEW 08/26/91

PART NO.



Art # C02.34002E

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

SIMON AERIALS INC.

NEW 08/26/91

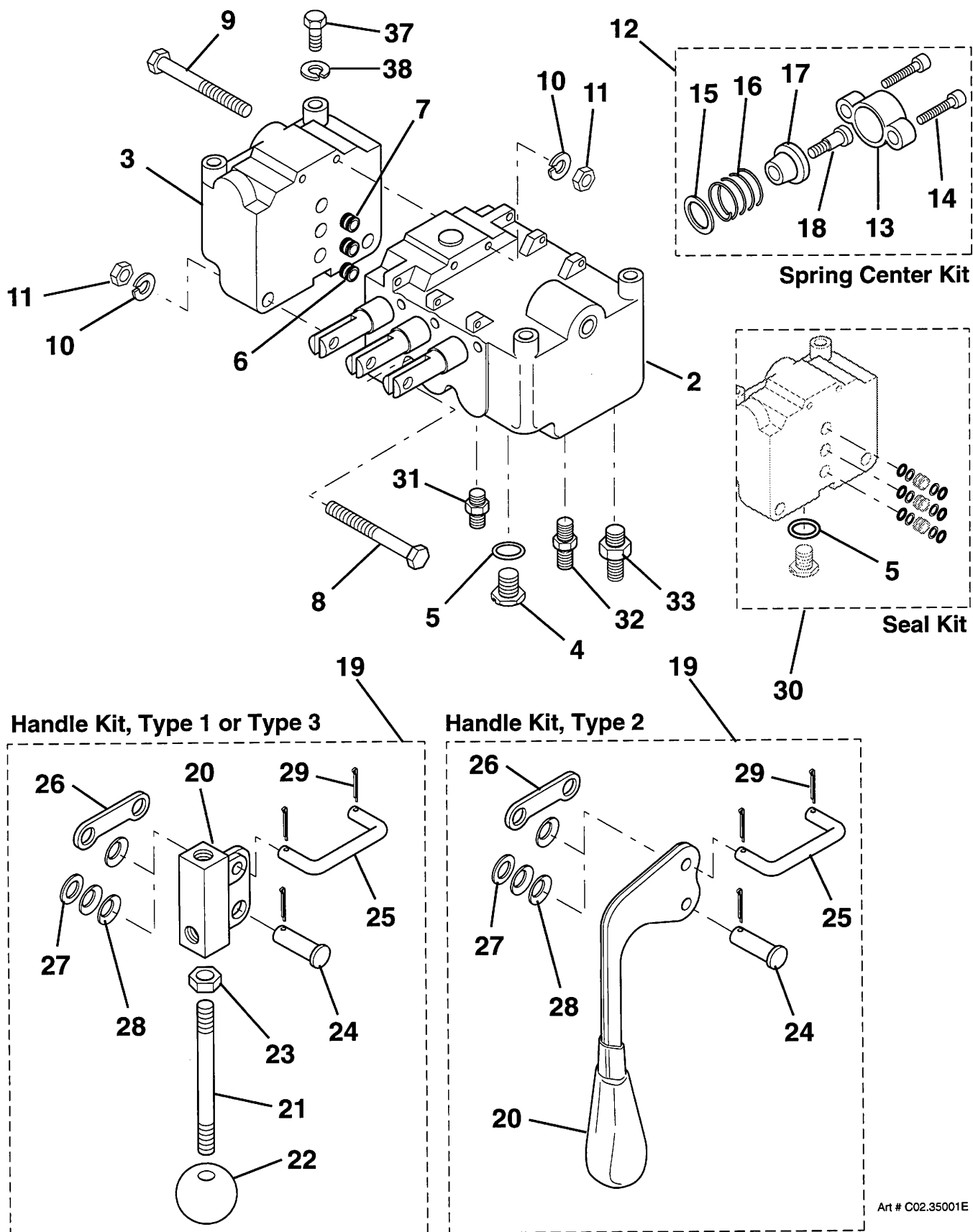
PART
NO.

PLATE
NO. C02.34

[illegible]

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



Art # C02.35001E

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

SIMON AERIALS INC.

REV. 14 SEP, 1995

PART
NO.

PLATE
NO. C02.35

PARTS LIST

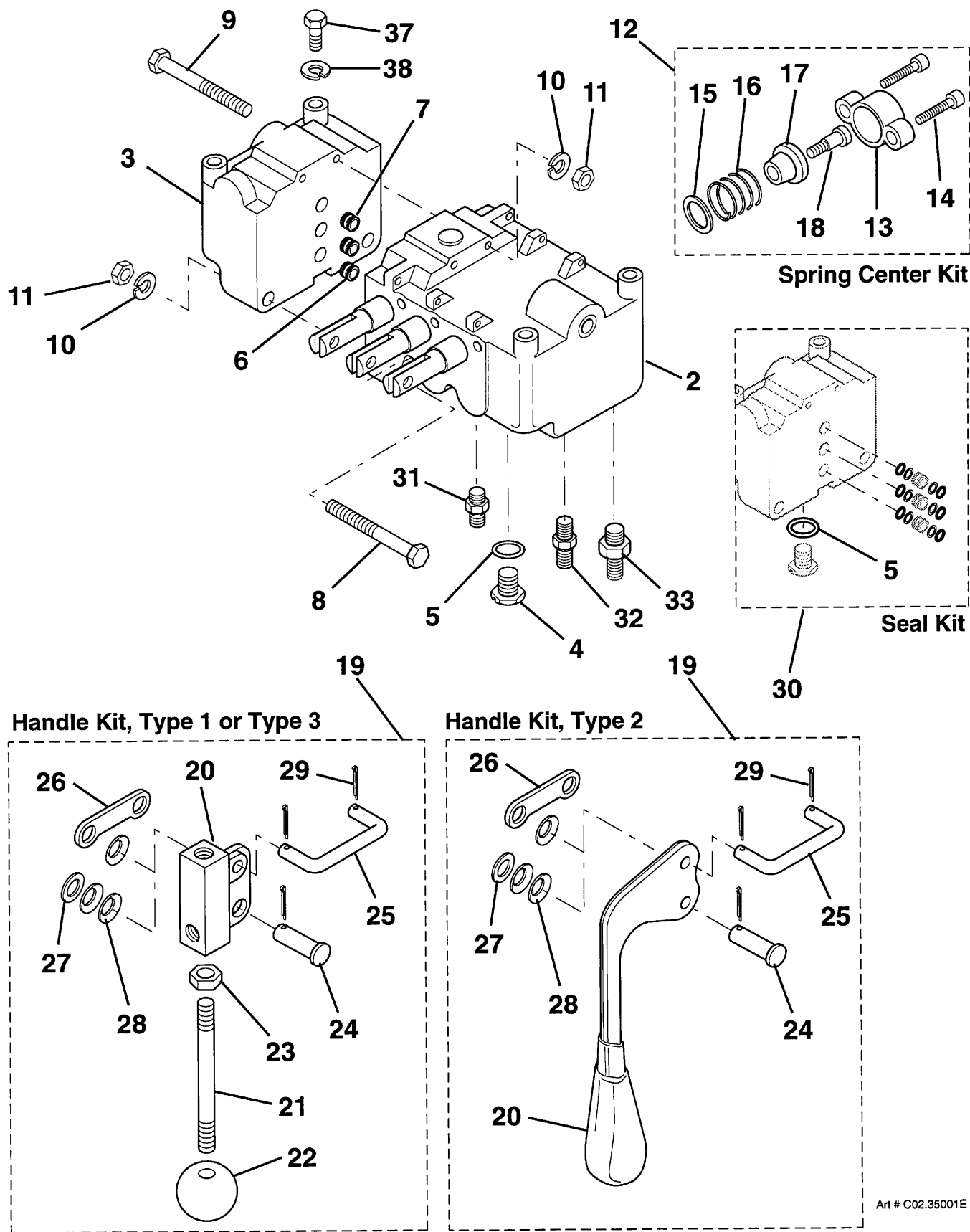
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	01-098701		HANDLE KIT Type 1 (handle is a 3" [76 mm] long threaded rod, with a separate ball knob)	3
	01-207002		Type 2 (has a one-piece handle)	
	01-098902		Type 3 (handle is a 5-3/4" [146 mm] long threaded rod, with a separate ball knob)	
20	01-098402		BLOCK,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

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

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

REV. 14 SEP, 1995

PART
NO.



Art # C02.35001E

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

SIMON AERIALS INC.

REV. 14 SEP, 1995

**PART
NO.**

**PLATE
NO.** C02.35

PARTS LIST

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.	
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.	
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

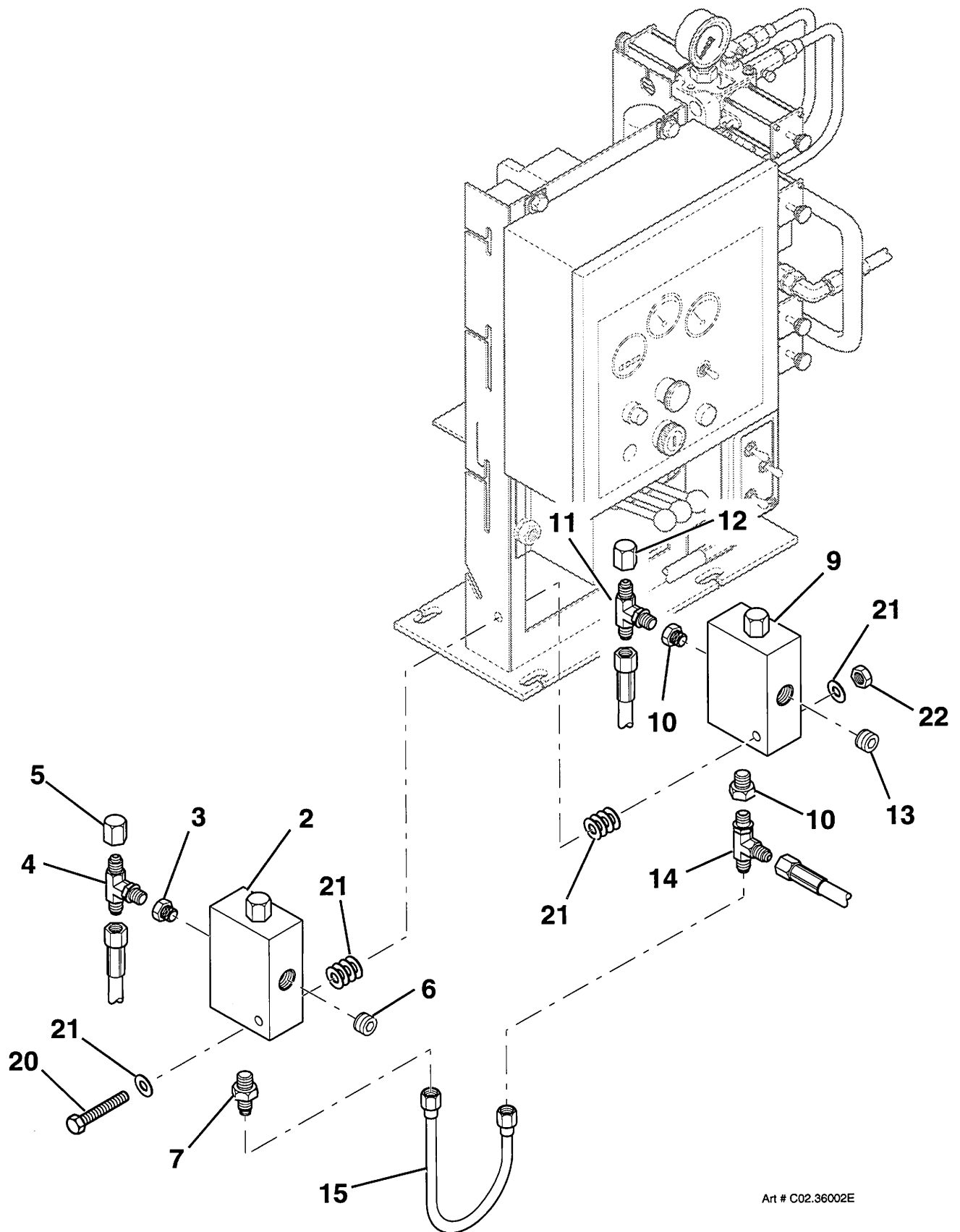
PLATE NO.

C02.36

SIMON AERIALS INC.

REV. 13 SEP., 1995

PART NO.



Art # C02.36002E

TITLE

STEERING RELIEF VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 13 SEP., 1995

PART
NO.

PLATE
NO.

C02.36

PARTS LIST

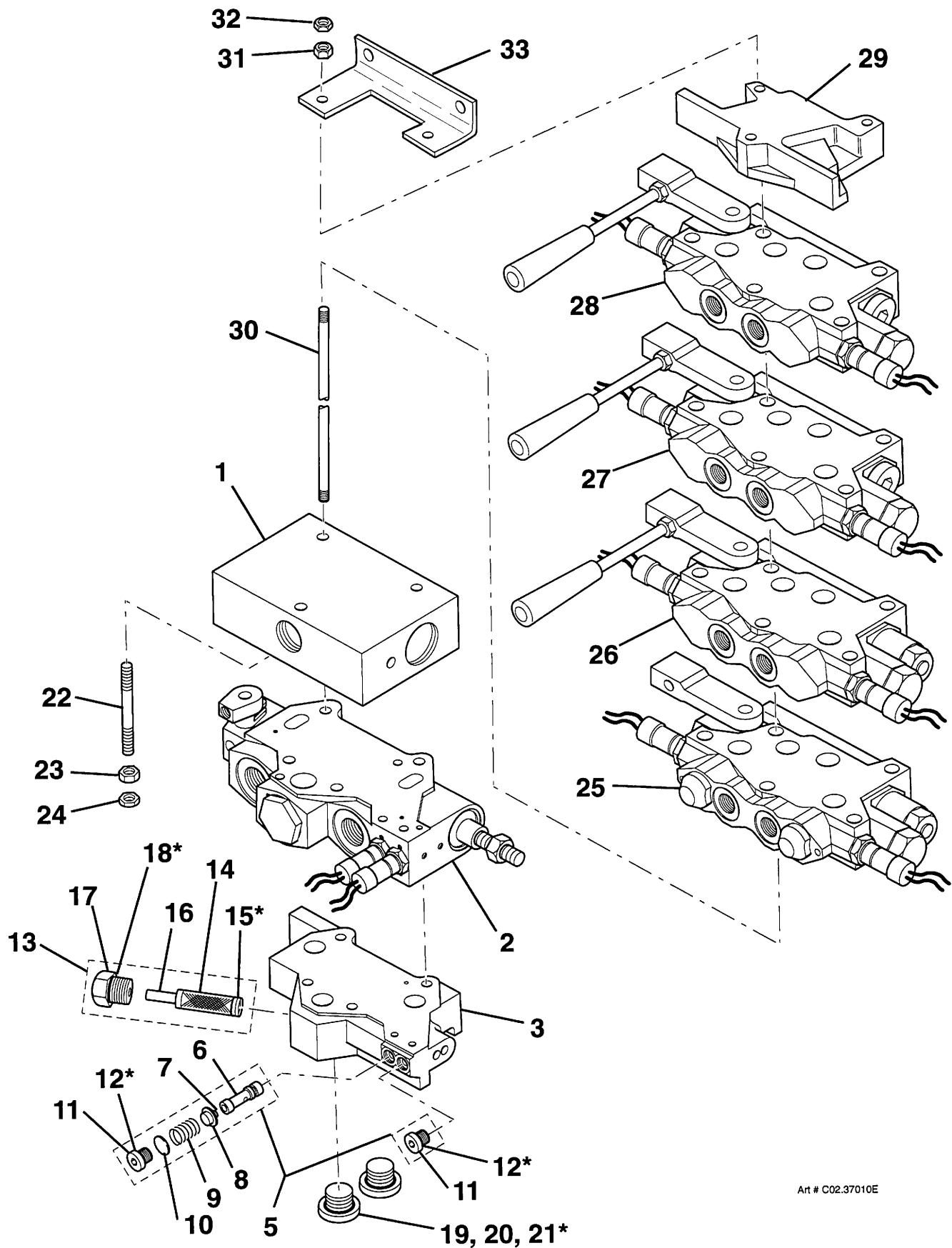
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			GROUND VALVE BANK ASSEMBLY First type has external solenoid-activated dump valve, Second type has internal solenoid-activated dump valve.	
			Note: When replacing complete valve bank assemblies , first or second type can be used. However, in replacing components , please specify if for first or second type. Valve bank components are not interchangeable.	
	01-215300 01-232700		For Model MP 40 or MPN 40: First type (nameplate stamped "VAC 5610-3001-005") Second type (stamped "VAC 5610-0004-013")	1 1
	01-207800 01-232200		For Model MP 60: First type (nameplate stamped "VAC 5610-3001-004") Second type (stamped "VAC 5610-0004-009")	1 1
	01-210500 01-232300		For Model MPN 60 or MP 60 Z: First type (nameplate stamped "VAC 5610-3001-006") Second type (stamped "VAC 5610-0004-014")	1 1
	01-210800 01-232400		For Model MP 80: First type (nameplate stamped "VAC 5610-3001-001") Second type (stamped "VAC 5610-0004-010")	1 1
	01-210900 01-232500		For Model MP 95: First type (nameplate stamped "VAC 5610-3001-002") Second type (stamped "VAC 5610-0004-011")	1 1
	01-211000 01-232600		For Model MP 110: First type (nameplate stamped "VAC 5610-3001-003") Second type (stamped "VAC 5610-0004-012")	1 1
1	See plate . . .	D13.06	MANIFOLD, ADAPTER	1
2			VALVE SEGMENT, DRIVE CONTROL	1
3			INLET, LOAD SENSING for first type valve bank assembly for second type valve bank assembly	1
4	01-211020 Call Simon		SEAL KIT, INLET (includes all items marked with asterisk*) for first type valve bank assembly for second type valve bank assembly	1

TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)

PLATE NO. C02.37 **SIMON AERIALS INC.**

REV. 23 MAR., 1995

PART NO.



Art # C02.37010E

TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)

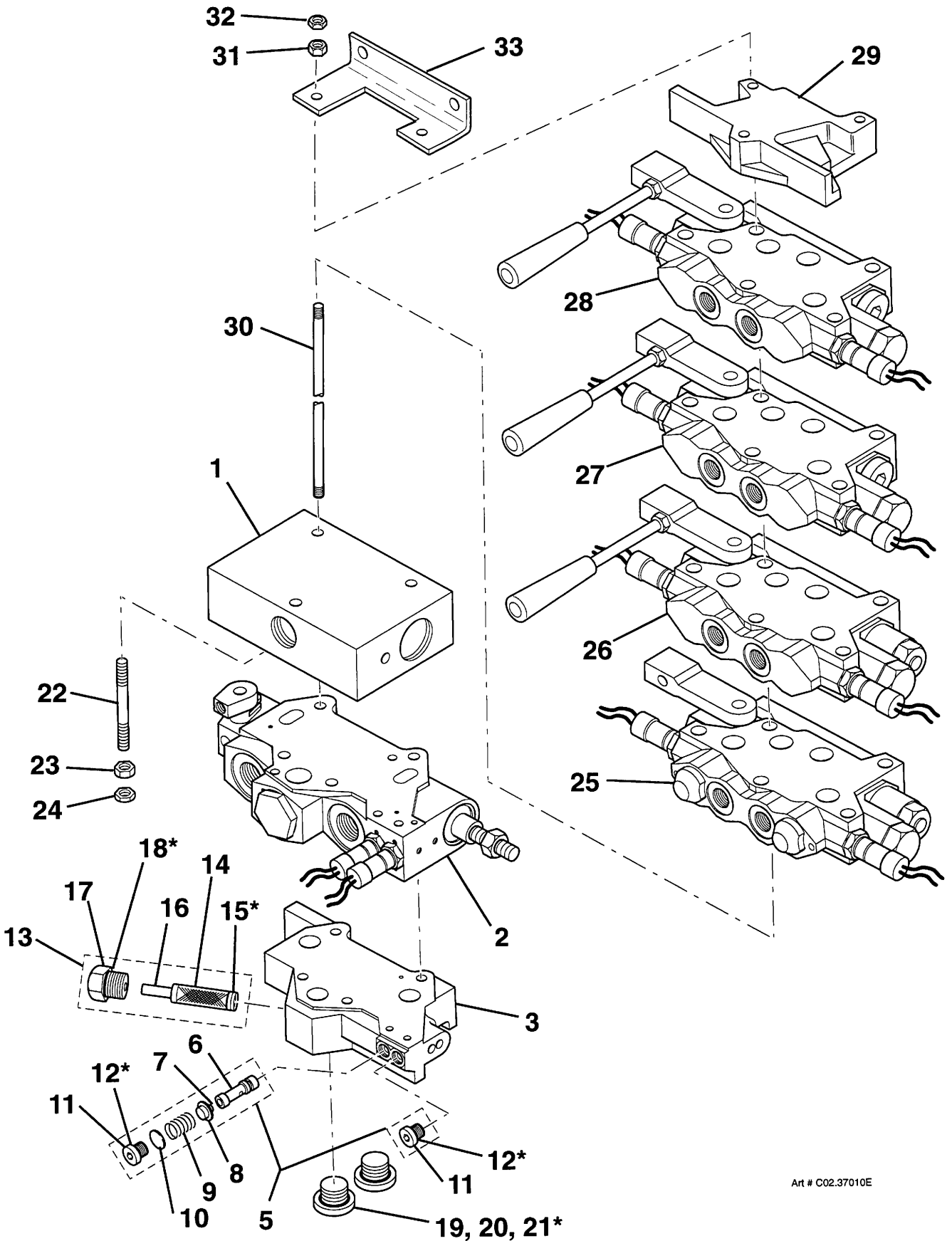
SIMON AERIALS INC.

REV. 23 MAR., 1995

PART
NO.

PLATE
NO. C02.37

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
5	01-211018 Call Simon		PILOT REDUCING KIT	1
			for first type valve bank assembly	
			for second type valve bank assembly	
6			SPOOL, PILOT REDUCING	1
7			BALL	1
8			GUIDE, SPRING	1
9			SPRING	1
10			SHIM	1
11			PLUG, SOCKET	2
12		*	"O"-RING	2
13	01-211002 Call Simon		INLET FILTER KIT	1
			for first type valve bank assembly	
			for second type valve bank assembly	
14			FILTER	1
15		*	"O"-RING	1
16			TUBE, FILTER EXTENSION	1
17			PLUG, SOCKET	1
18		*	"O"-RING	1
19	01-211019 Call Simon		PLUG, SAE PORT	2
			for first type valve bank assembly	
			for second type valve bank assembly	
20			PLUG	1
21		*	"O"-RING	1
22			ROD, TIE	4
23			NUT, HEX	4
24			NUT, HEX JAM	4
25	See plate . .	D13.08	VALVE SEGMENT, STEER CONTROL	1
26	See plate . .	D13.07	VALVE SEGMENT, BOOM TELESCOPE CONTROL	1
27	See plate . .	D13.09	VALVE SEGMENT, BOOM RAISE/ LOWER CONTROL	1
28	See plate . .	D13.10	VALVE SEGMENT, SWING CONTROL	1
29	01-211028 Call Simon		PLATE, STACKING	1
			for first type valve bank assembly	
			for second type valve bank assembly	
30			ROD, TIE	3
31			NUT, HEX	3
32			NUT, HEX JAM	3
33	Call Simon		BRACKET, VALVE BANK MOUNTING	1
TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)				
PLATE NO.	C02.37	SIMON AERIALS INC.		PART NO.
		REV. 23 MAR., 1995		



Art # C02.37010E

TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)

SIMON AERIALS INC.

REV. 23 MAR., 1995

PART
NO.

PLATE
NO. C02.37

PARTS LIST

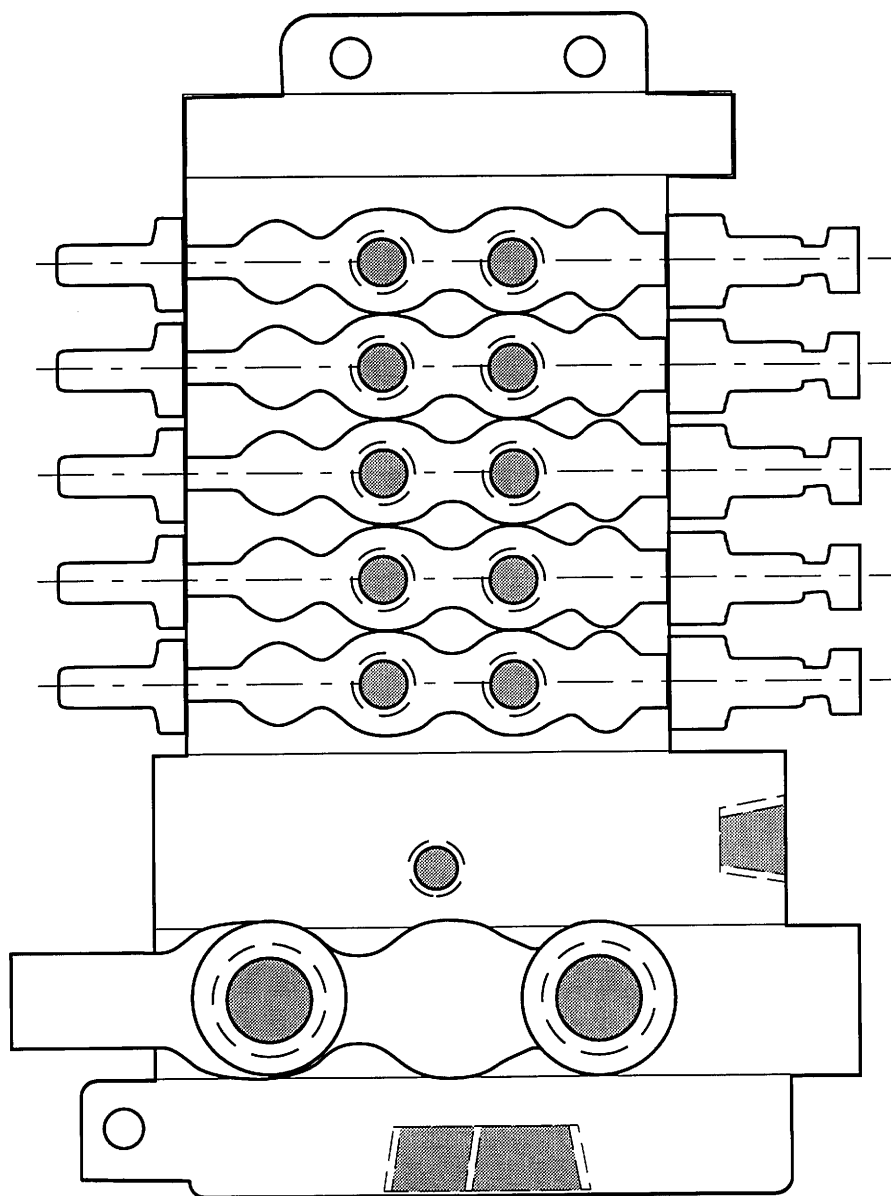
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following valves, tubes, fittings and miscellaneous items may be included as part of the Valve Assembly:	
34	01-018200		VALVE, CHECK	1
35	01-068200		VALVE, CHECK (Pilot operated)	1
36	01-019000		VALVE, FLOW CONTROL (Needle valve) (#8 SAE)	2
37	01-021000		GAUGE, HYDRAULIC PRESSURE (0 to 4,000 PSI)	1
38	01-036700		"O"-RING (.924" I.D.)	1
39	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
40	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	1
41	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	4
42	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F50X-S)	1
43	06-040100		ADAPTER, "O"-RING TO 37° (8 F50X-S)	5
44	06-207800		ADAPTER, SWIVEL NUT (8 F65X-S)	1
45	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	1
46	06-043300		ADAPTER (LONG), "O"-RING TO 37° (12 FF50X-S)	2
47	06-041400		ADAPTER, "O"-RING TO 37° (16 F50X-S)	1
48	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F50G-S)	1
49	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
50	06-091100		REDUCER/ EXPANDER (12-8 F50 G5-S)	1
51	06-091900		REDUCER/ EXPANDER (16-12 F50 G5-S)	1
52	06-053000		45° ELBOW, SWIVEL NUT (6 V6X-S)	2
53	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	2
54	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
55	06-047100		45° ELBOW, STRAIGHT THREAD (8 V50X-S)	2
56	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	5
57	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
58	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
59	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
60	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	1
61	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	3
62	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	3
63	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
64	06-097300		90° ADAPTER, BENT STEM (63 UC-08-08)	1
65	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	2
66	06-048600		RUN TEE, 37° MALE "O"-RING (8 R50X-S)	1
67	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1
68	06-057600		NUT, TUBE (8 BTX-S)	1
69	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
70	219 0140		TUBE ASSEMBLY (1/2" tubing, straight, 2-1/4" [57 mm] long)	1
71	219 0160		TUBE ASSEMBLY (3/8", "J" shape, 8-7/16" [214 mm] long)	1
72	350 7665		TUBE ASSEMBLY (3/4" tubing, straight)	1
73	353 4140		TUBE ASSEMBLY (3/8" tubing, "L" shape)	1

TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)

PLATE NO. C02.37 **SIMON AERIALS INC.**

REV. 23 MAR., 1995

PART NO.



C02.20202E

TITLE GROUND VALVE BANK ASS'Y., MP (ELECTRO-PROPORTIONAL, TYPE 2)

SIMON AERIALS INC.

REV. 23 MAR., 1995

PART
NO.

PLATE
NO. C02.37

PARTS LIST

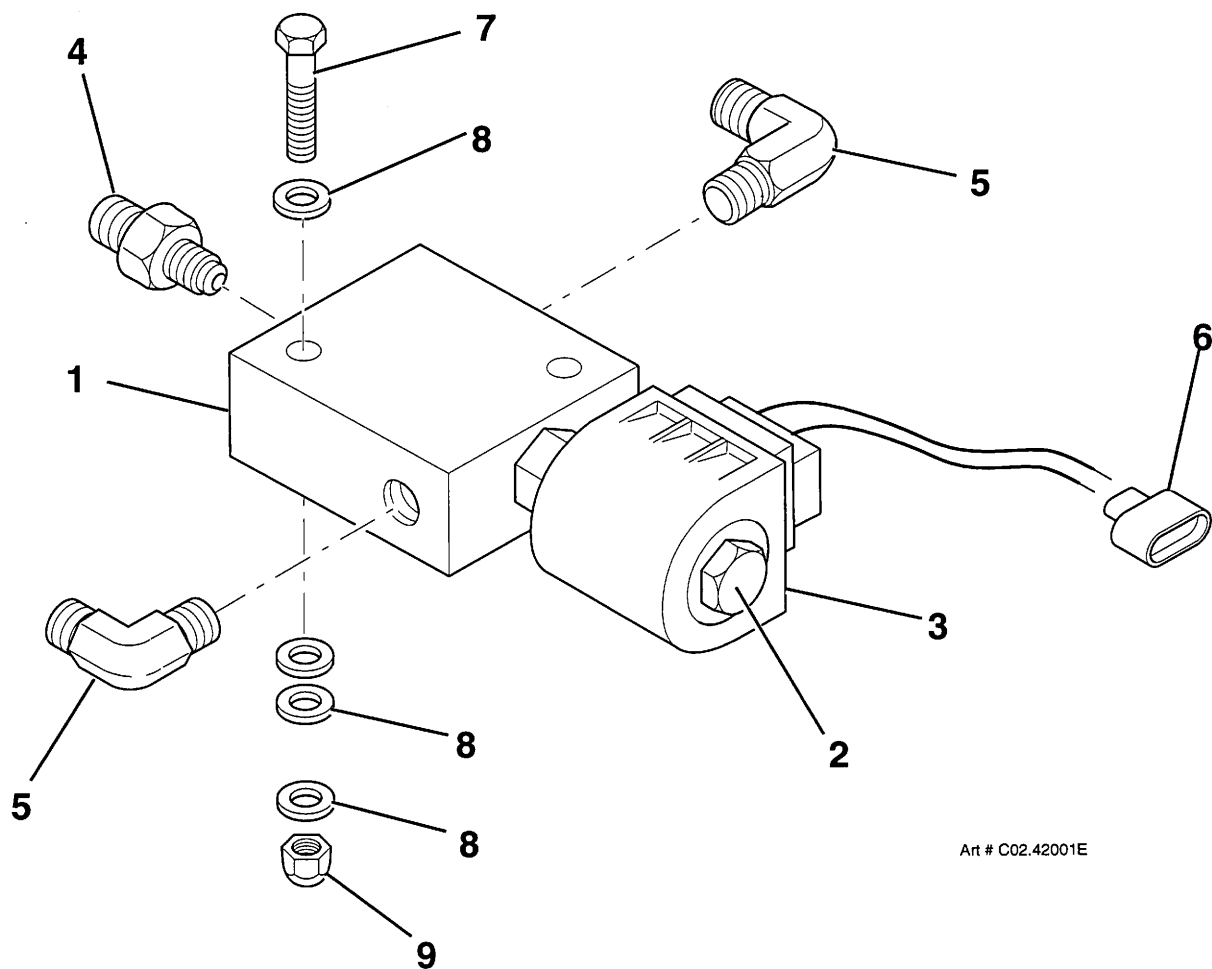
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TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH TWO WHEEL DRIVE)

PLATE NO. C02.42	SIMON AERIALS INC.
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NEW 06 SEP., 1995

PART NO. 354 4170



Art # C02.42001E

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

SIMON AERIALS INC.

NEW 06 SEP., 1995

PART NO. 354 4170

PLATE NO. C02.42

PARTS LIST

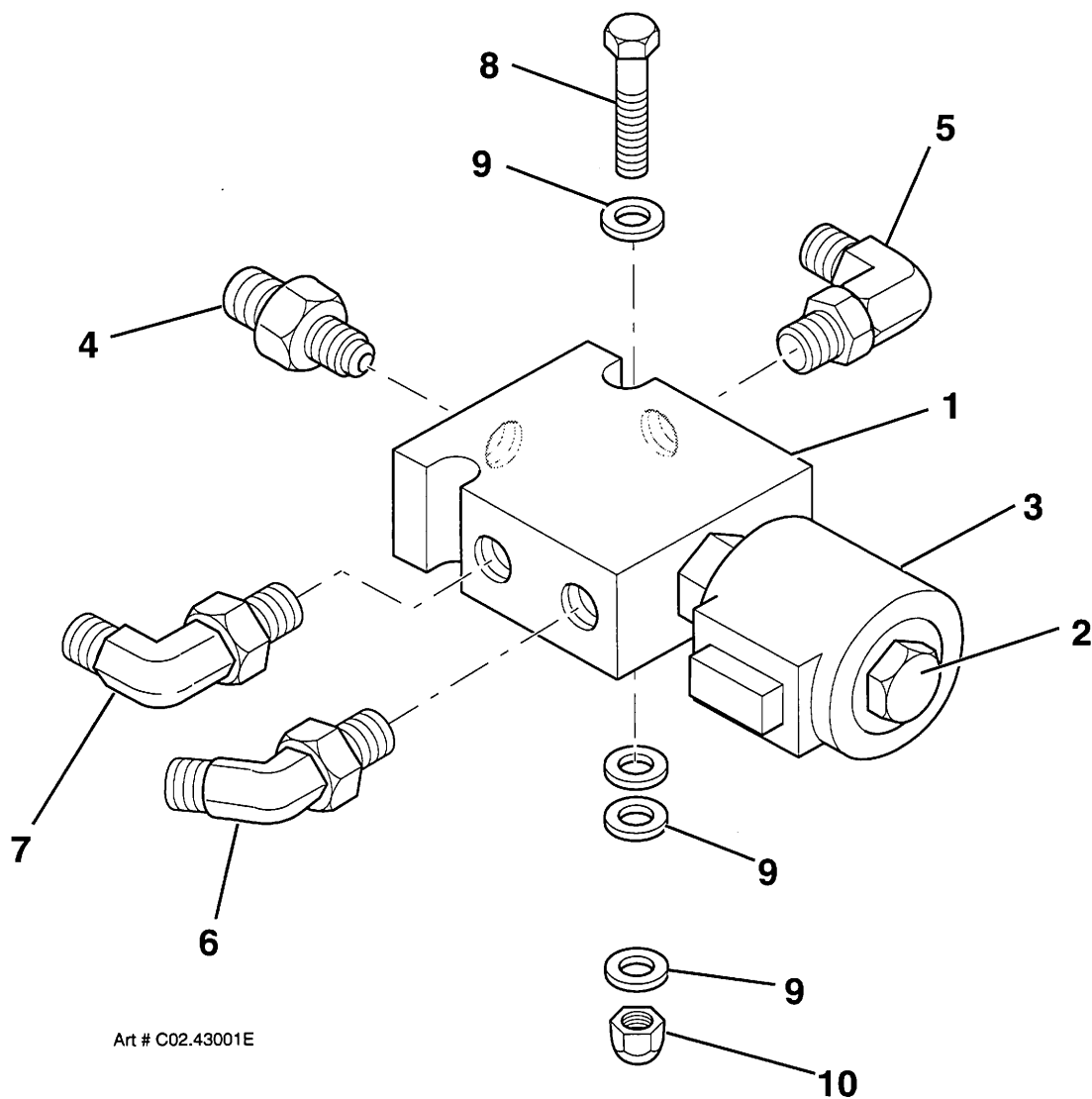
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TITLE TWO-SPEED VALVE ASSEMBLY (MP SERIES, WITH FOUR WHEEL DRIVE)

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

PART
NO.



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

SIMON AERIALS INC.

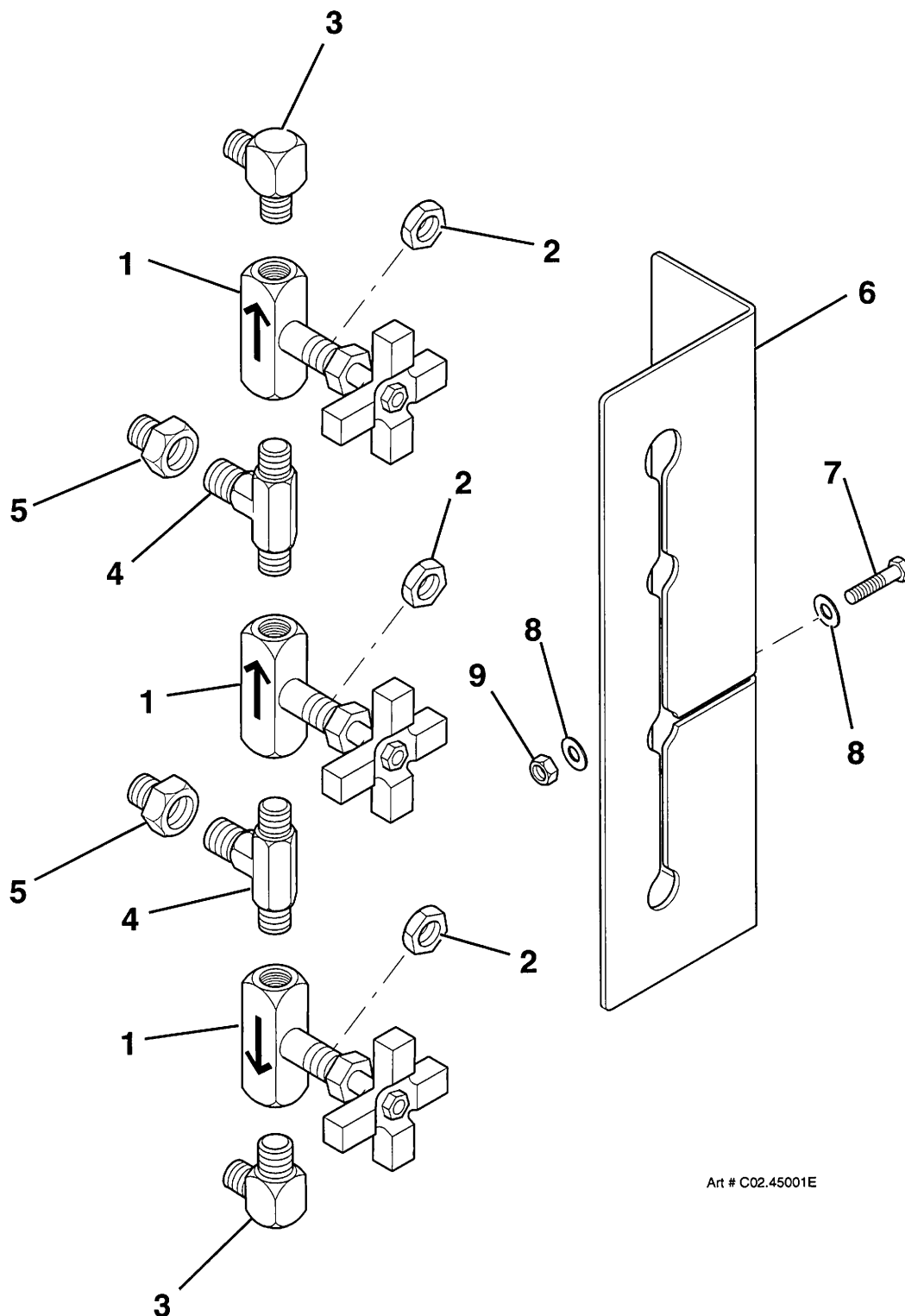
NEW 06 SEP., 1995

PART
NO.

PLATE
NO. C02.43

PARTS LIST

[illegible]



Art # C02.45001E

TITLE

MANUAL DESCENT VALVE ASSEMBLY

SIMON AERIALS INC.

NEW 05 SEP., 1995

PART
NO.

PLATE
NO.

C02.45

PARTS LIST

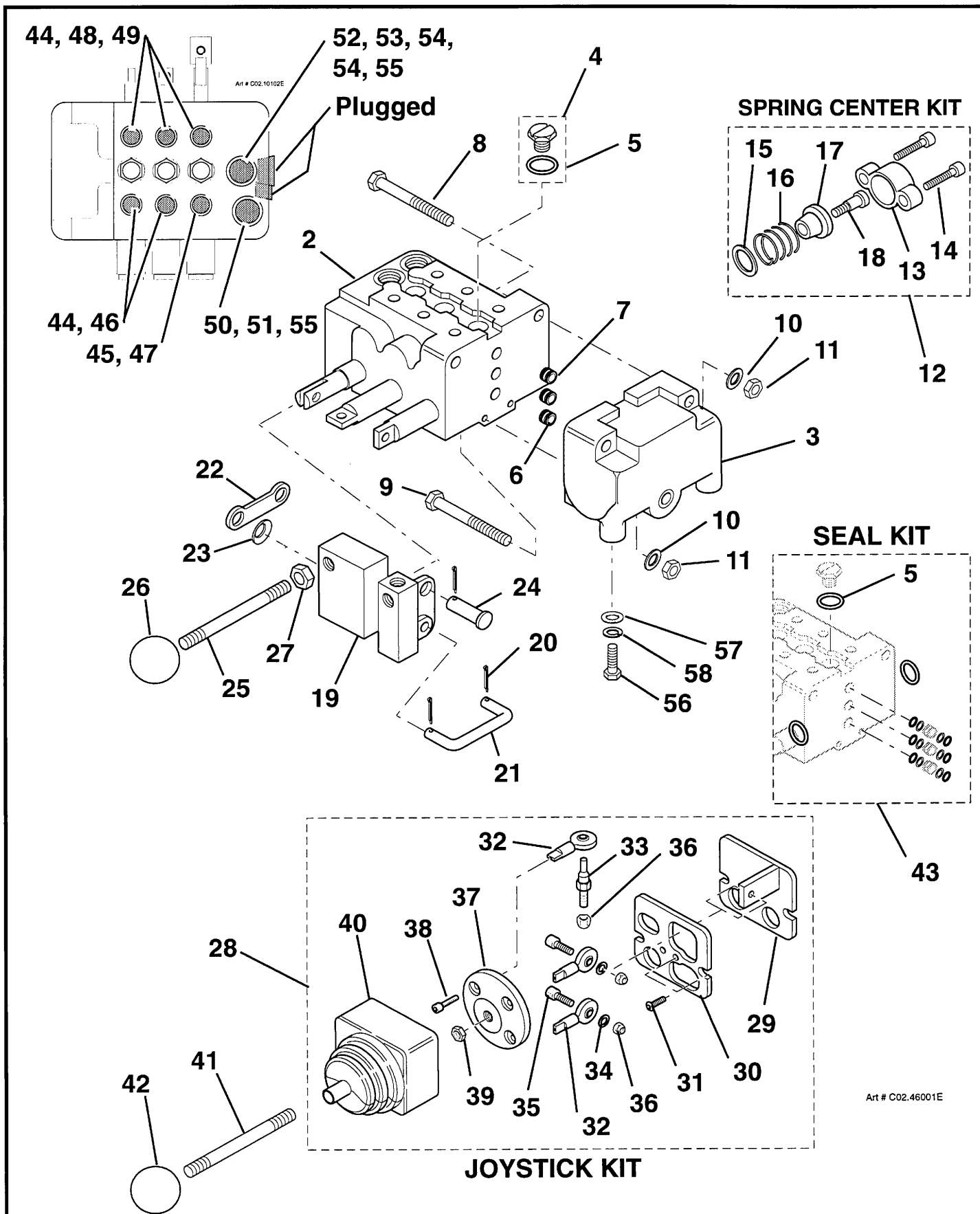
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4110		VALVE BANK ASSEMBLY, PLATFORM CONTROL for MP Series	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 43)	1
6	01-098415		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

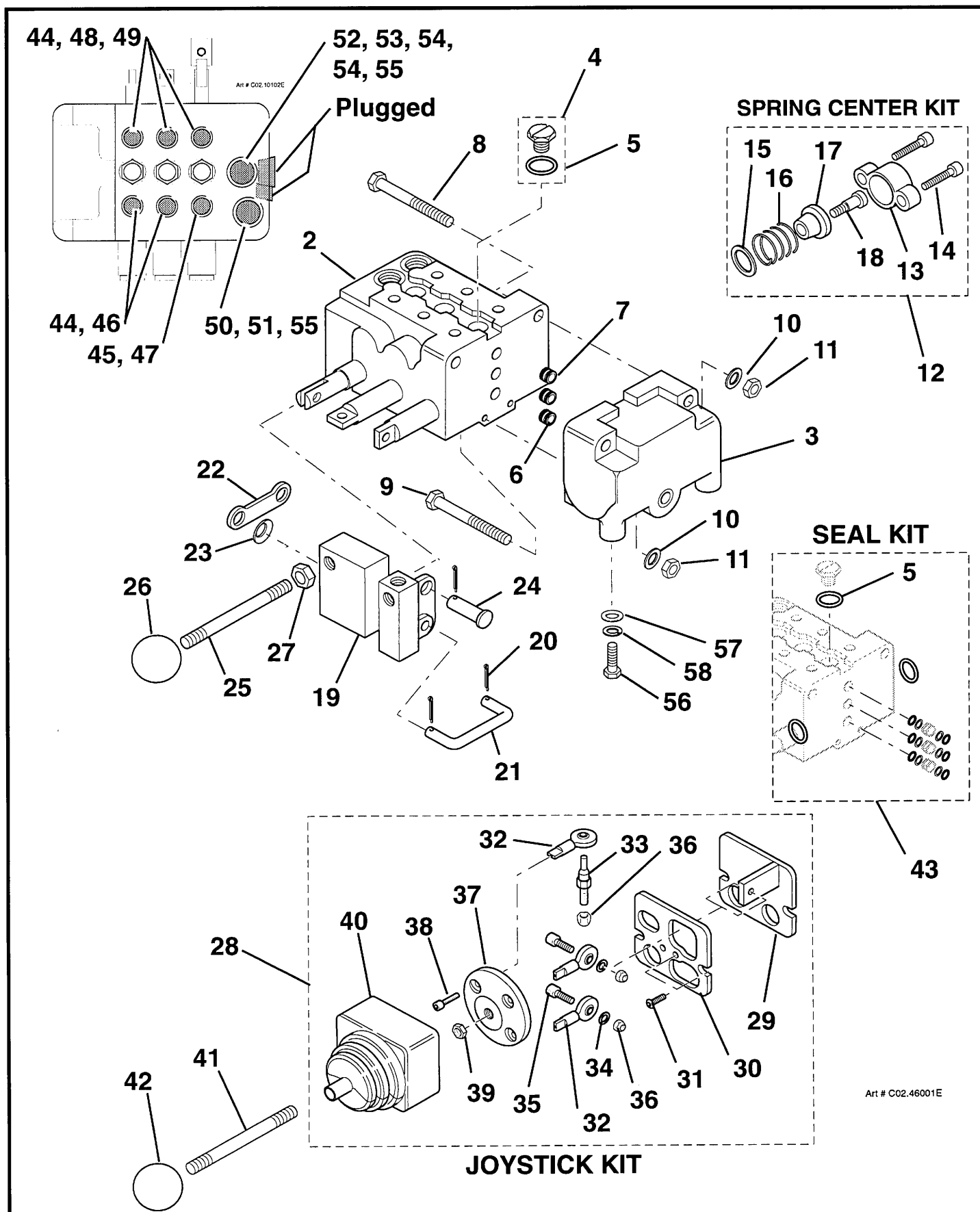
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	01-216002		VALVE BANK, PLATFORM CONTROL (continued)	
29			JOYSTICK KIT	1
30			BRACKET ASSEMBLY	1
31			PLATE, BOOT RETAINING	1
32			SCREW, BUTTON HEAD (1/2" long)	2
33			ROD END	3
34			STUD, ACTUATOR	1
35			SPACER	2
36			CAP SCREW, SOCKET HEAD (1" long)	2
37			NUT, JAM	3
38			ADAPTER, HANDLE	1
39			CAP SCREW, SOCKET HEAD (3/4" long)	3
40	01-216004		NUT, JAM	1
41	01-098503		BOOT, JOYSTICK	1
42	01-098407		ROD, HANDLE (5-3/4" [146 mm] long)	1
			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)
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PLATE NO.	C02.46	SIMON AERIALS INC.	REV. 14 JAN., 1996
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PART NO.	
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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

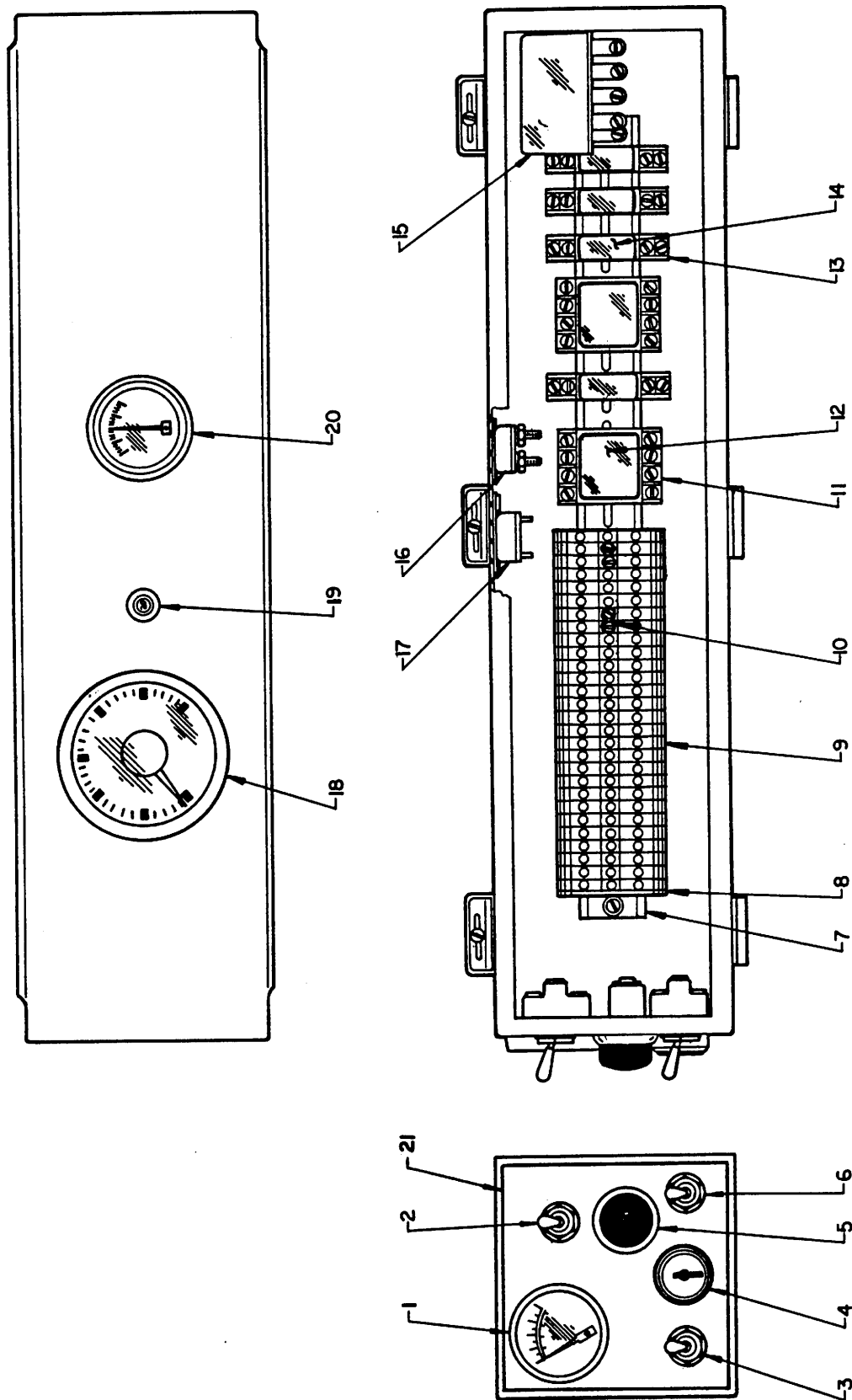
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-030300		OIL PRESSURE GAUGE	1
2	03-020700		TOGGLE SWITCH, 4 PDT (GROUND OVERRIDE)	1
3	03-020400		TOGGLE SWITCH, SPST (IGNITION)	1
4	03-021000		KEYSWITCH	1
5	03-020300		PUSH BUTTON (ENGINE START)	1
6	03-020400		TOGGLE SWITCH, SPST (RPM)	1
7	03-051900		MOUNTING RAIL	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

GROUND CONTROL BOX (DIESEL ENGINE)

PART NO.

CAA-207230-8



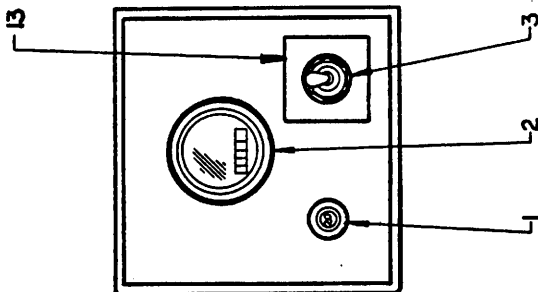
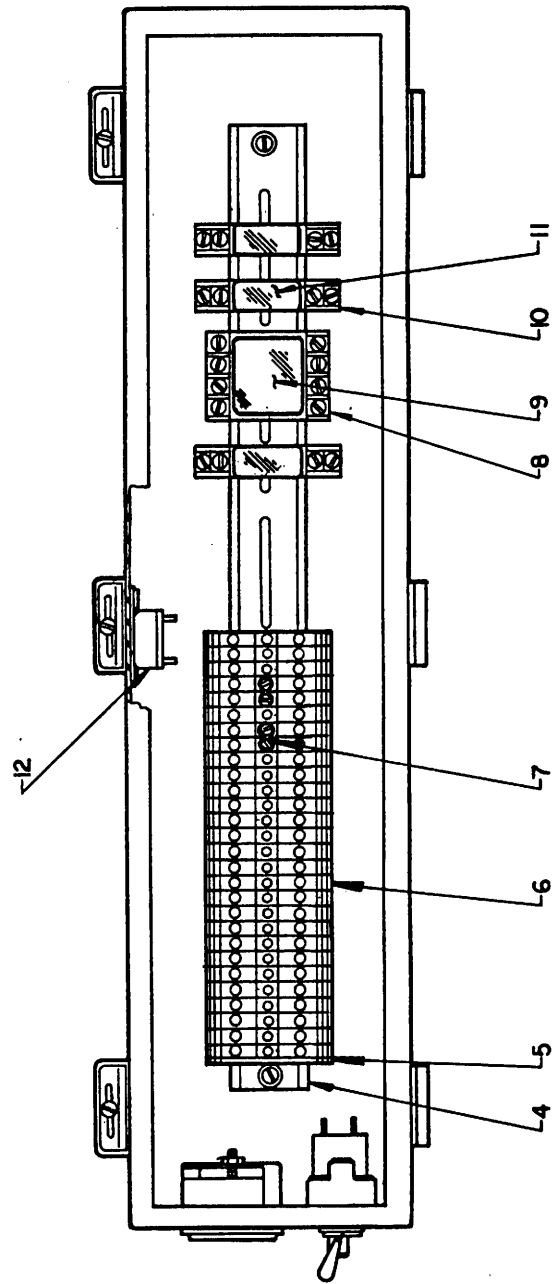
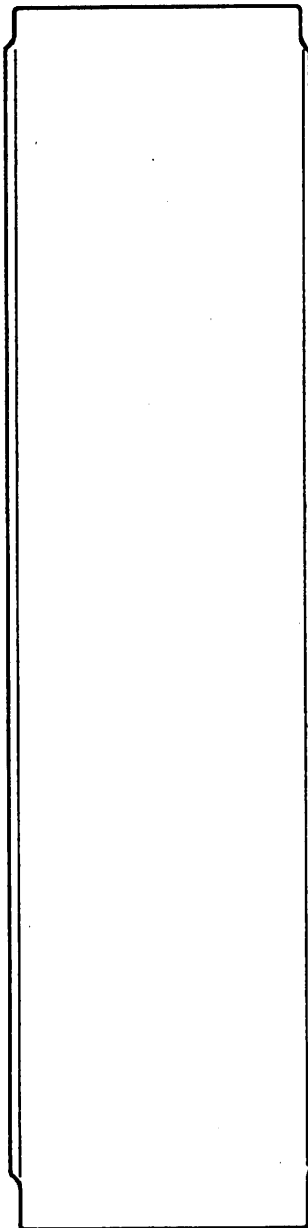
0884/0784
DESCRIPTION

GROUND CONTROL BOX (DIESEL ENGINE)

PART NO.
CAA-207230-8

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-024000		CIRCUIT BREAKER	1
2	03-030500		HOURLMETER	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

GROUND CONTROL BOX

PART NO.

CAA-207231-7

PARTS LIST

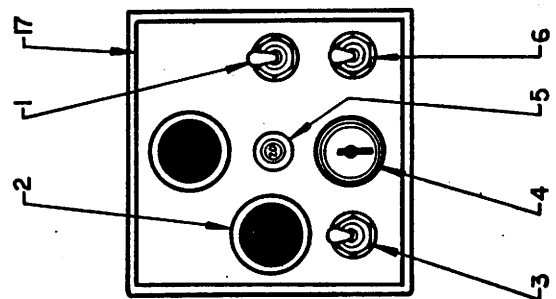
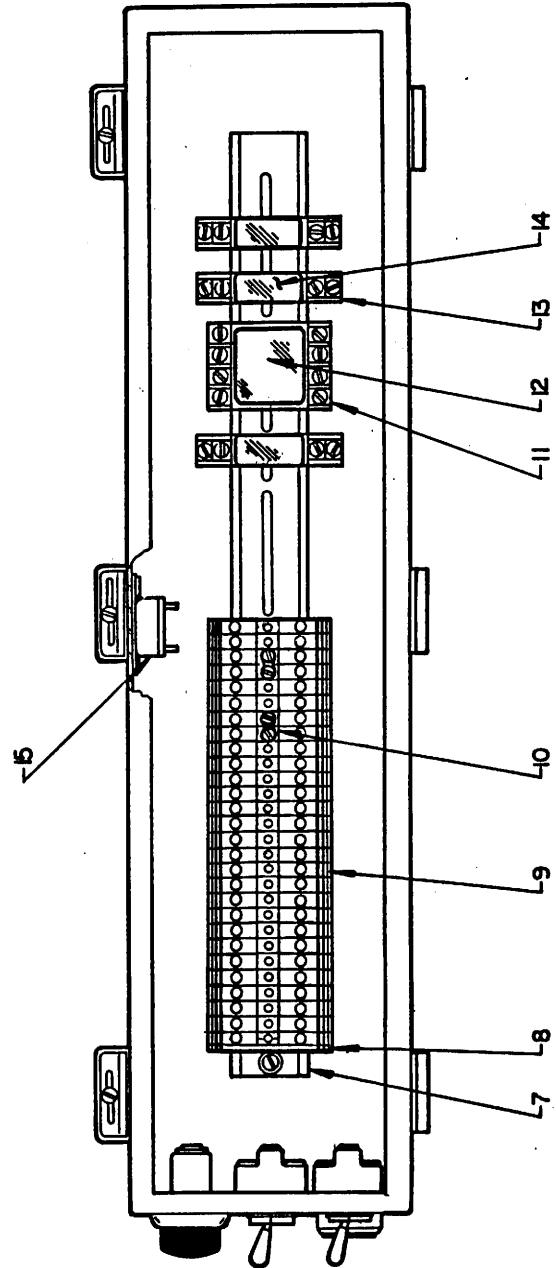
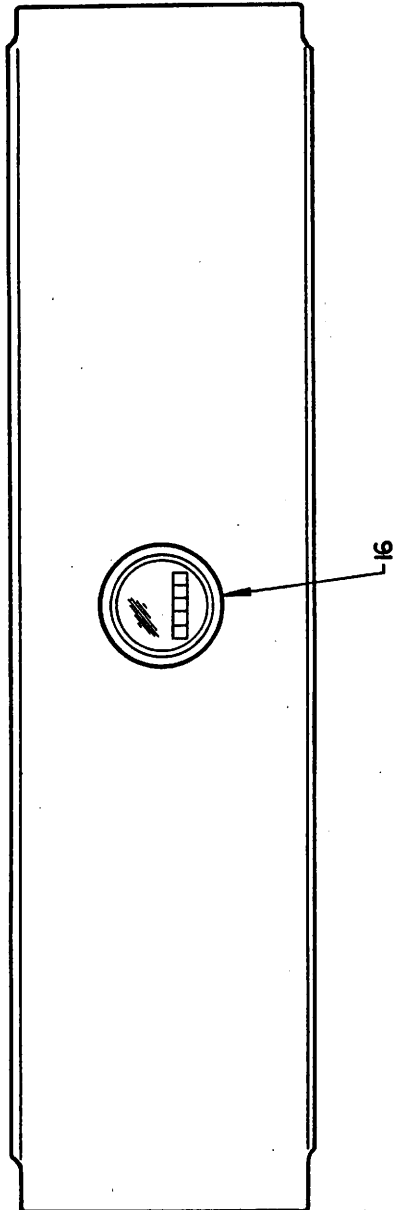
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020700		TOGGLE SWITCH, 4PDT (GROUND OVERRIDE)	1
2	03-020300		PUSH BUTTON (ENGINE START, EMG. POWER)	2
3	03-020400		TOGGLE SWITCH, SPST (IGNITION)	1
4	03-021000		KEYSWITCH	1
5	03-024000		CIRCUIT BREAKER, 20 AMP	1
6	03-020400		TOGGLE SWITCH, SPST (RPM)	1
7	03-051900		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		HOURLMETER	1
17	10-026000		DECAL	1

DESCRIPTION

GROUND CONTROL BOX (GAS ENGINE)

PART NO.

CAA-208463-9



0385/1184

DESCRIPTION

GROUND CONTROL BOX (GAS ENGINE)

PART NO.

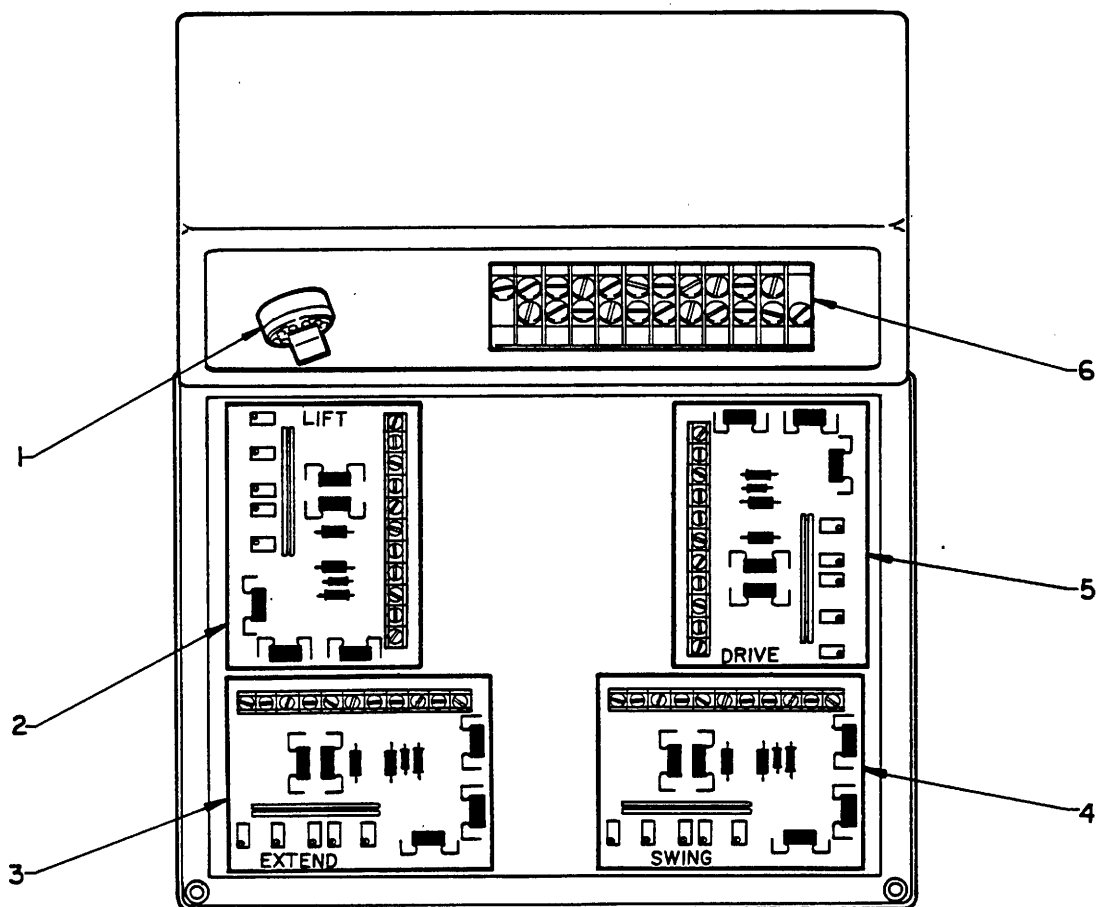
CAA-208463-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-403100		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

GROUND CONTROL BOX (PROPORTIONAL CONTROLS)

PART NO.

CAA-208493-4

PARTS LIST

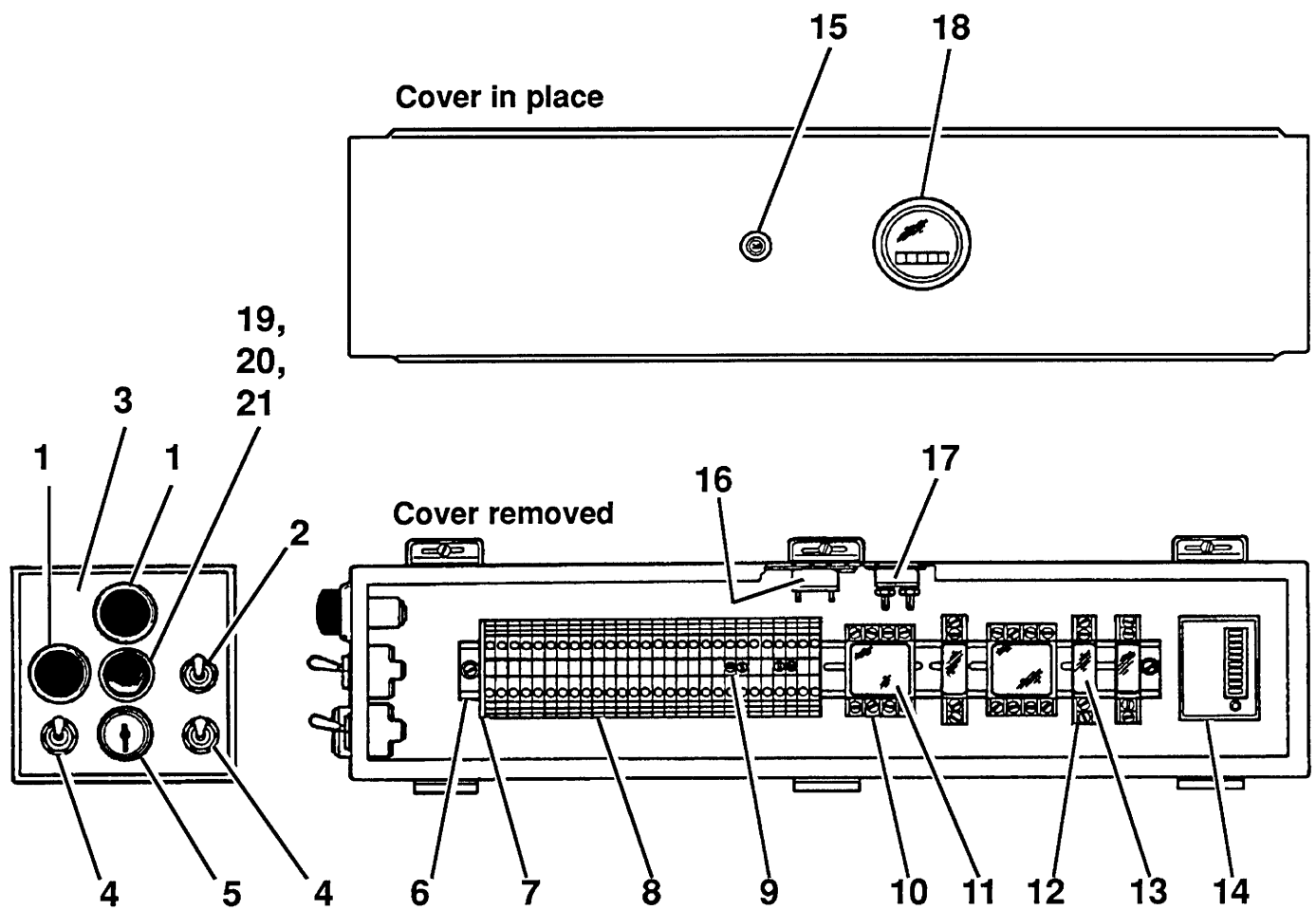
[illegible]

TITLE GROUND CONTROL BOX ASSEMBLY

PLATE NO.	C03.18	SIMON AERIALS INC.
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REV. 10/01/90

PART
NO.



TITLE

GROUND CONTROL BOX ASSEMBLY

SIMON AERIALS INC.

REV. 10/01/90

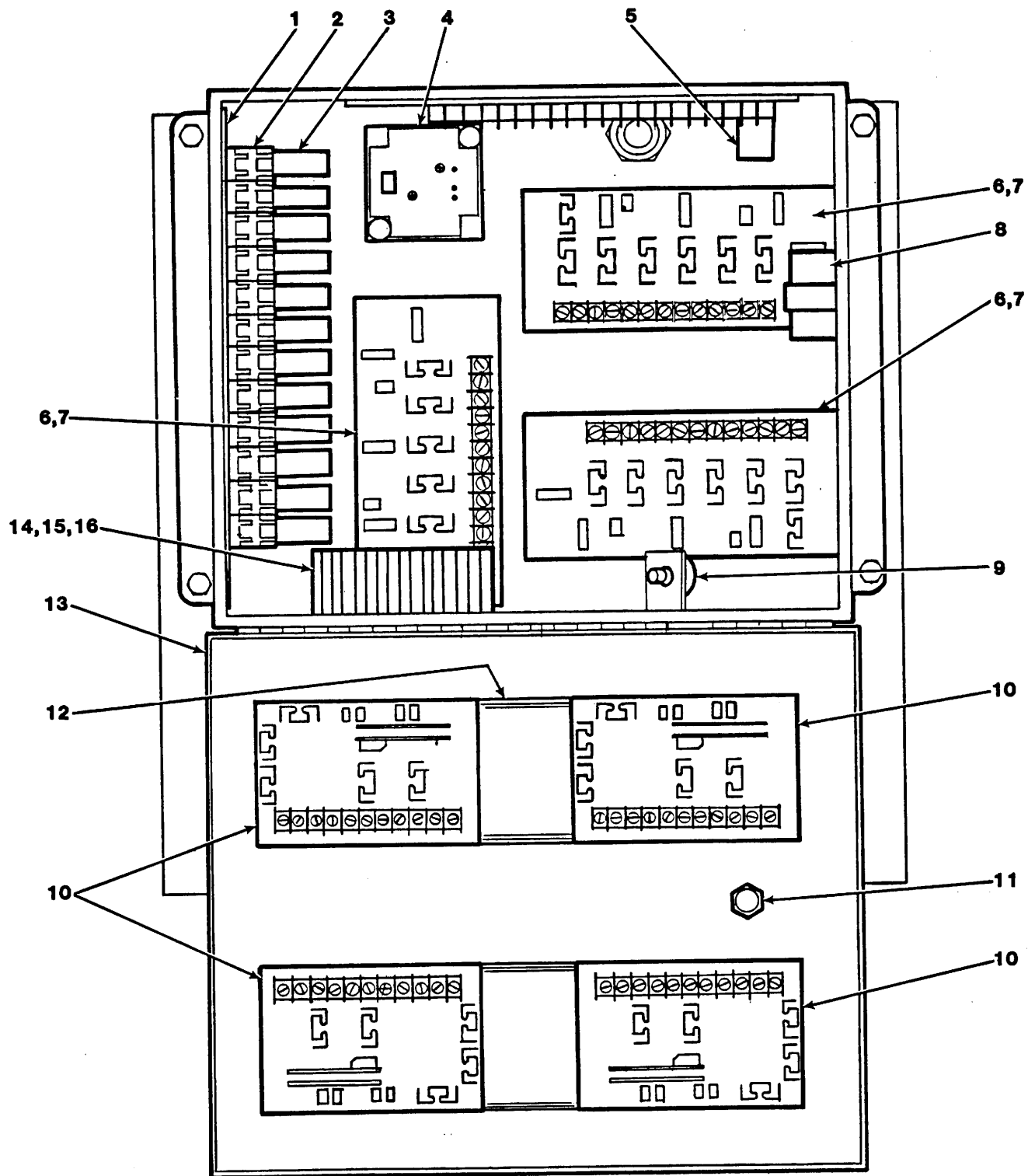
PART
NO.

PLATE
NO.

C03.18

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SBD-212766-0		MOUNTING CHANNEL	1
2	03-051600		CONTROL RELAY BASE	12
3	03-051500		CONTROL RELAY, SPDT	12
4	03-425200		PREAMP	1
5	03-425100		RECEIVER BOARD	1
6	03-039700		FIBER OPTIC OUTPUT BOARD	3
7	SBD-212765-0		MOUNTING CHANNEL	3
8	03-408100		NOISE FILTER	1
9	03-403100		POTENTIOMETER	1
10	03-027201		PROPORTIONAL VALVE CONTROL CARD	4
11	03-404700		LOW BATTERY INDICATOR LIGHT	1
12	SBD-212764-0		MOUNTING CHANNEL	2
13	SDM-212769-0		CONTROL BOX HOUSING	1
14	SBD-212839-0		MOUNTING CHANNEL	1
15	03-039100		GROUND TERMINAL BLOCK	2
16	03-066200		STD. TERMINAL BLOCK	14
DESCRIPTION			PART NO.	
GROUND CONTROL BOX				



0787/0787

DESCRIPTION

GROUND CONTROL BOX

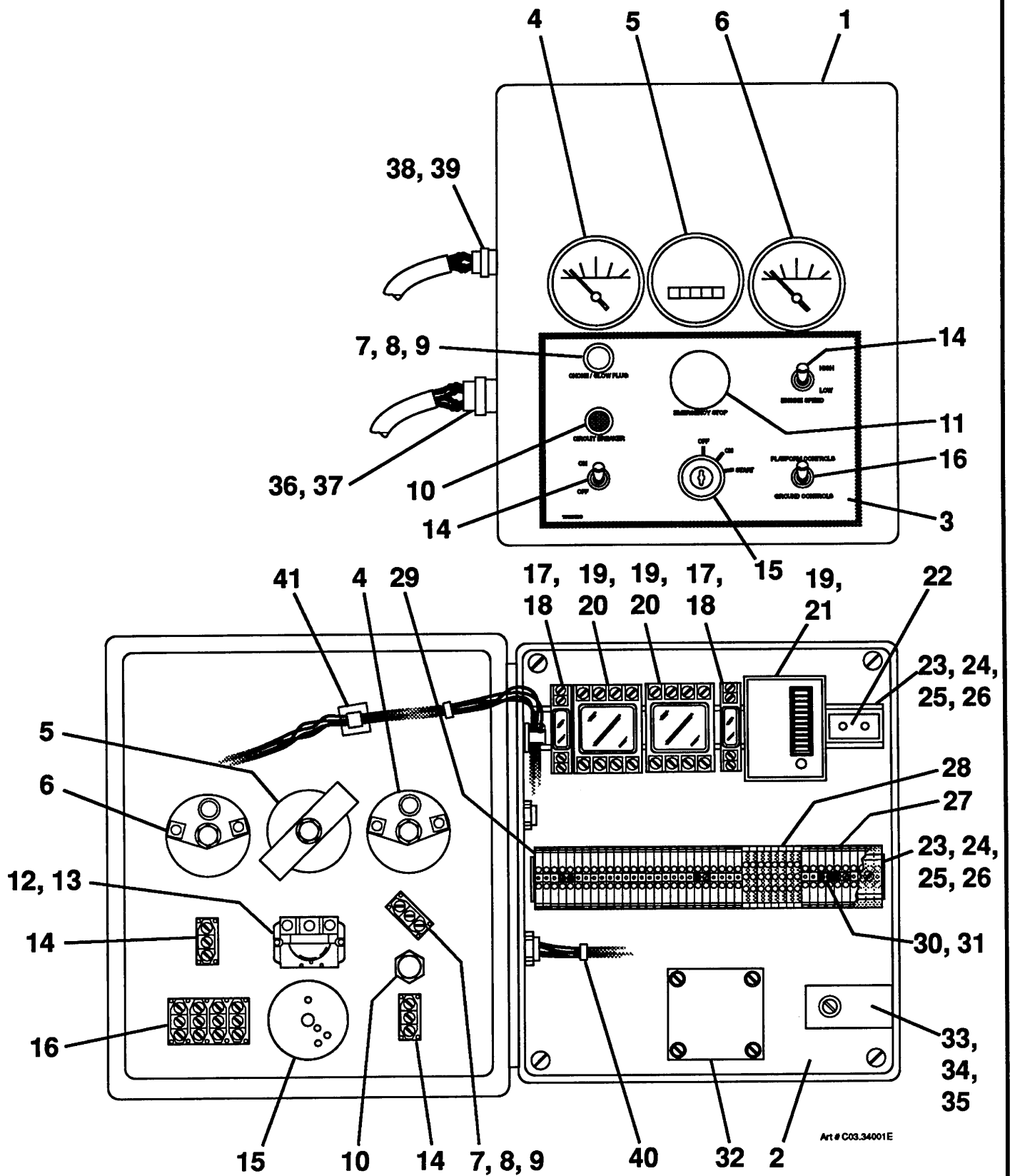
PART NO.

PARTS LIST

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

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	C03.34	SIMON AERIALS INC.	NEW 28 APR., 1992	PART NO.
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TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 28 APR., 1992

PART
NO.

PLATE
NO. **C03.34**

PARTS LIST

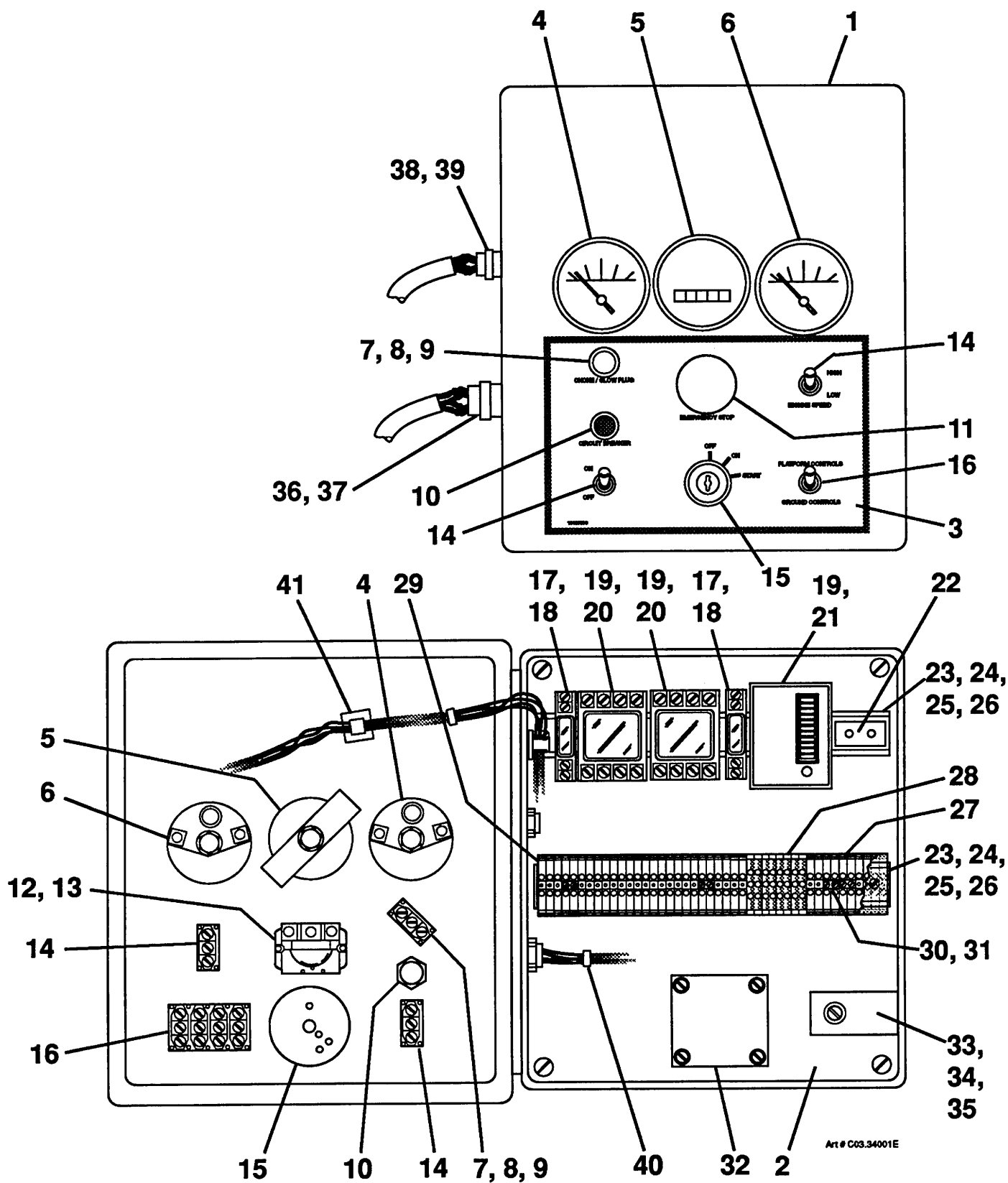
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	03-481600		MODULE, CONTROL (Low speed drive, nameplate marked "MC 31000036")	1
33	03-027231		POTENTIOMETER (10 K Ohm)	1
34	03-044900		LOCK, SHAFT	1
35	2196540		BRACKET, POTENTIOMETER MOUNTING	1
36	03-063200		GRIP, CORD (3/4")	3
37	03-055600		NUT, CONDUIT (3/4")	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)
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PLATE NO.	C03.34	SIMON AERIALS INC.
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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

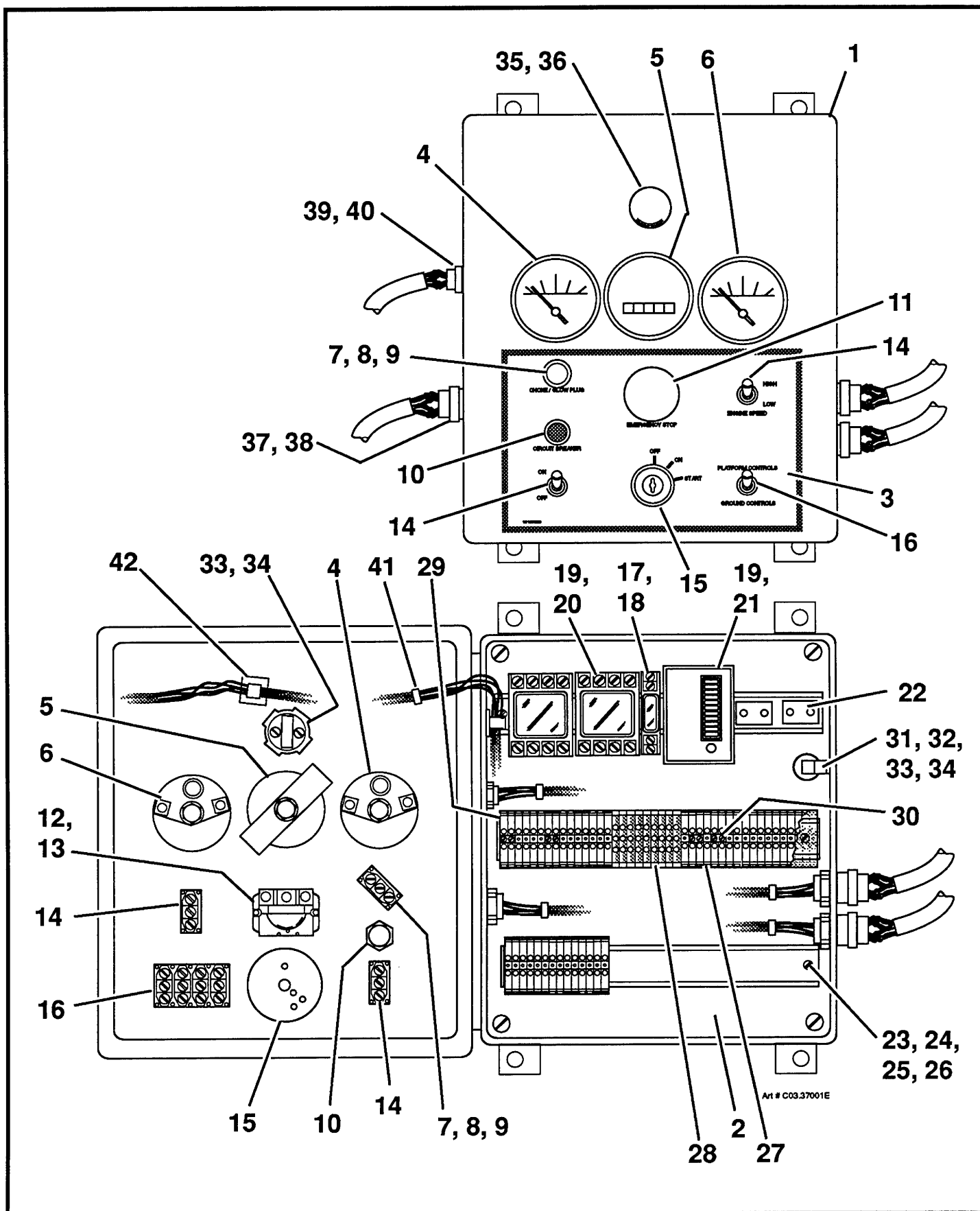
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This control box assembly for MP 80 and smaller with "Type 1" Electro-Proportional control system:	
1	2196520		BOX, GROUND CONTROL (Drilled. Includes cover) [12" (305 mm) x 14" (356 mm) x 6" (152 mm) deep]	1
2	2196530		SUBPLATE, MOUNTING	1
3	10-137500		DECAL, 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.

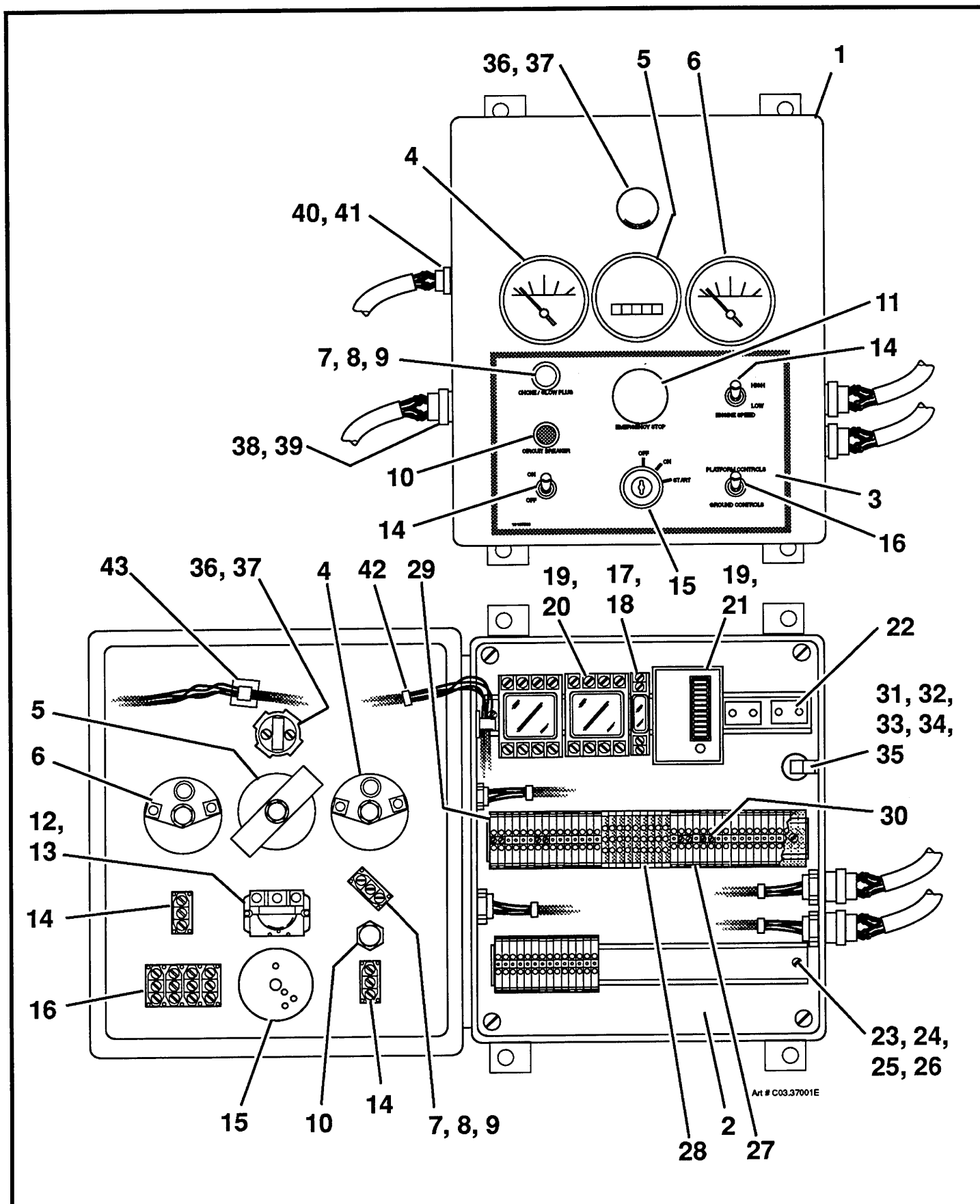
C03.37

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.
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Art # C03.37001E

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.

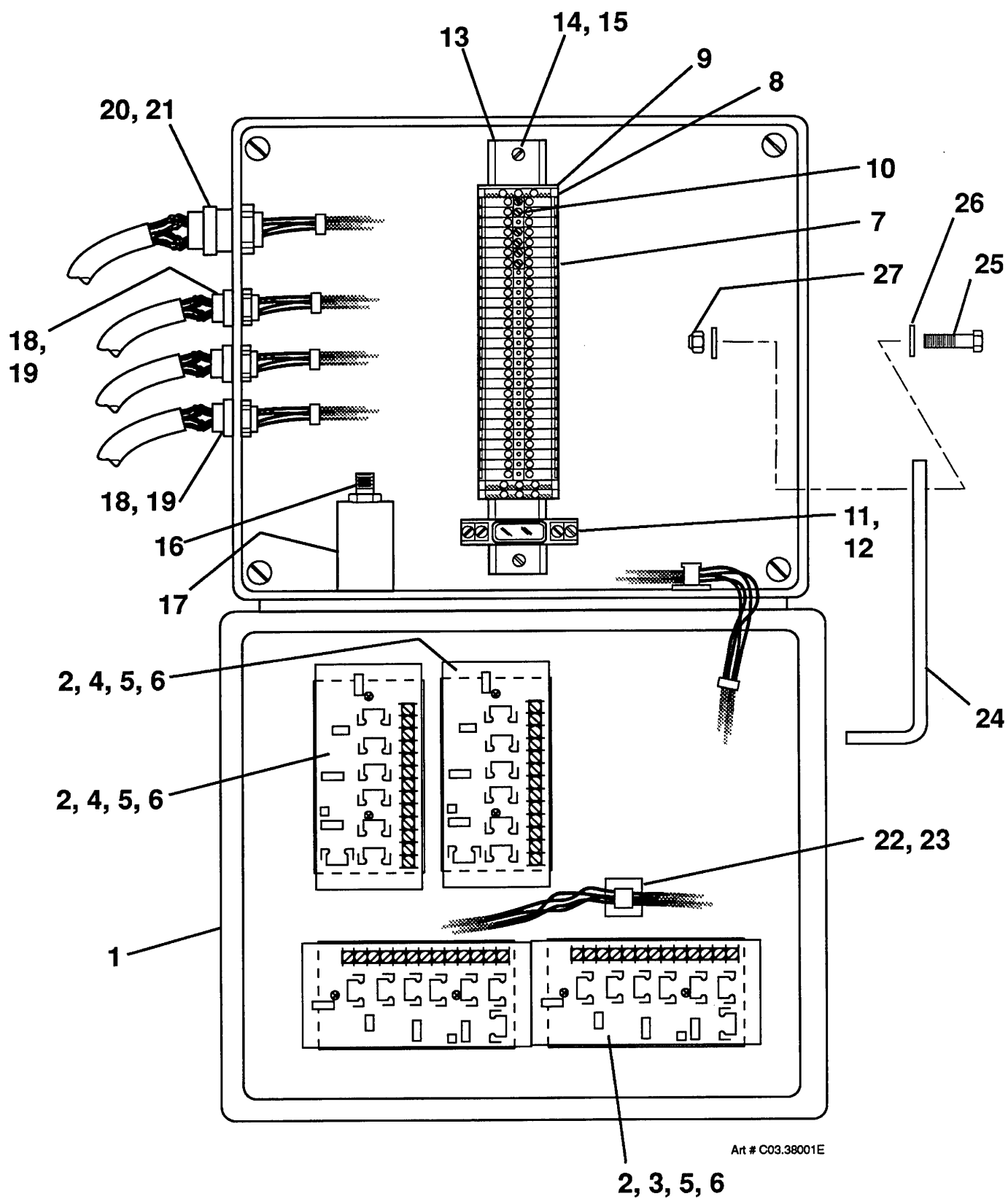


PLATE NO. C03.38

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 2870 354 4310		GROUND CONTROL BOX ASSEMBLY Standard version MP 70, Special application (with toggle switch seals, no choke/ glow plug switch)	
1	231 0430		ELECTRICAL BOX, GROUND CONTROL	1
2	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 Ft) (5 Ft [1.5 M] required this application)	A.R.
3	219 6530		SUB PLATE, MOUNTING	1
4	07-013411		MACHINE SCREW, ROUND HEAD (#10-32 x 5/16", Gr. 2)	2
5	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	2
6	07-117600		WASHER, EXTERNAL TOOTH (#10)	2
7	10-144300		DECAL, GROUND CONTROL	1
8	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
9	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
10	03-492400		GAUGE, OIL PRESSURE (12 Volt DC, 0 to 100 PSI)	1
11	01-225700		"O"-RING (Meter seal to panel)	3
12	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
13	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
14	03-702000		BUTTON, EMERGENCY STOP (Red, pull to reset)	1
15	01-037400		"O"-RING (.351" O.D., .072" thick)	1
16	03-454900		BASE, CONTACT BLOCK	1
17	03-437300		BLOCK, CONTACT (Normally closed)	1
18	03-020400		SWITCH, TOGGLE (Engine speed) (2 position, maintained contact, single pole, single throw)	1
19	03-497900		SEAL, PANEL	A.R.
20	03-506200		SEAL, TOGGLE SWITCH (option)	A.R.
21	03-496100		SWITCH, KEY OPERATED (3 position) (includes two keys)	1
22	03-496200		BLOCK, CONTACT (Normally open)	2
23	03-402500		SWITCH, PUSH BUTTON (10 Amp, 250 Volt AC)	A.R.
24	03-402800		BUTTON, PUSH (Blue) (Choke/ Glow Plug) (not used on Ground control box 354 4310)	1
25	03-402800		BUTTON, PUSH (Blue) (Engine start)	1
26	03-402600		SEAL, SWITCH BEZEL	A.R.
27	10-151000		CAP, VINYL (Black)	A.R.
28			SWITCH, TOGGLE (with "Dual Fuel" option)	1
29	10-016800		DECAL, "GAS/ OFF/ PROPANE" (with "Dual Fuel" option)	1

TITLE

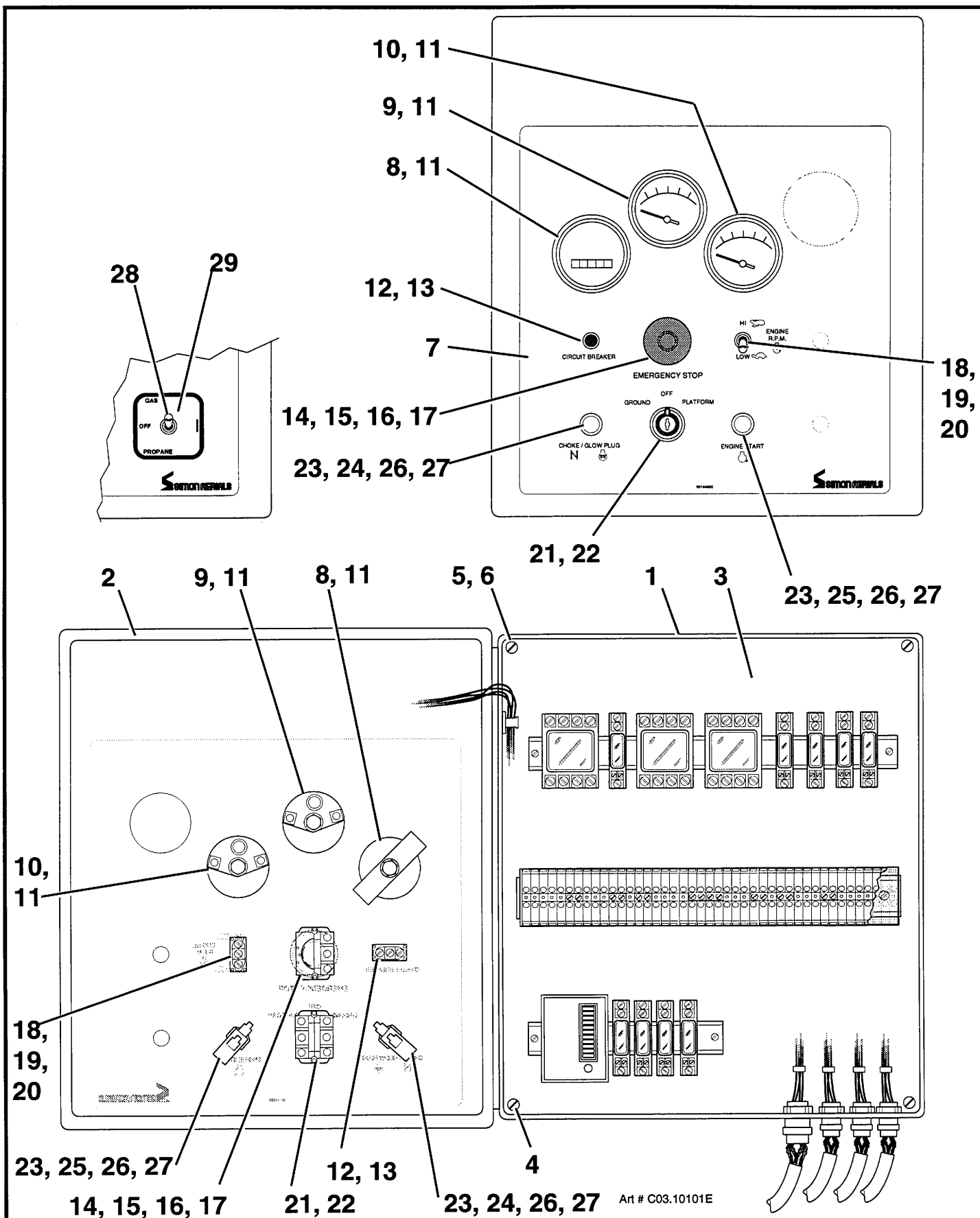
GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO. C03.42

SIMON AERIALS INC.

NEW 29 AUG., 1995

PART NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

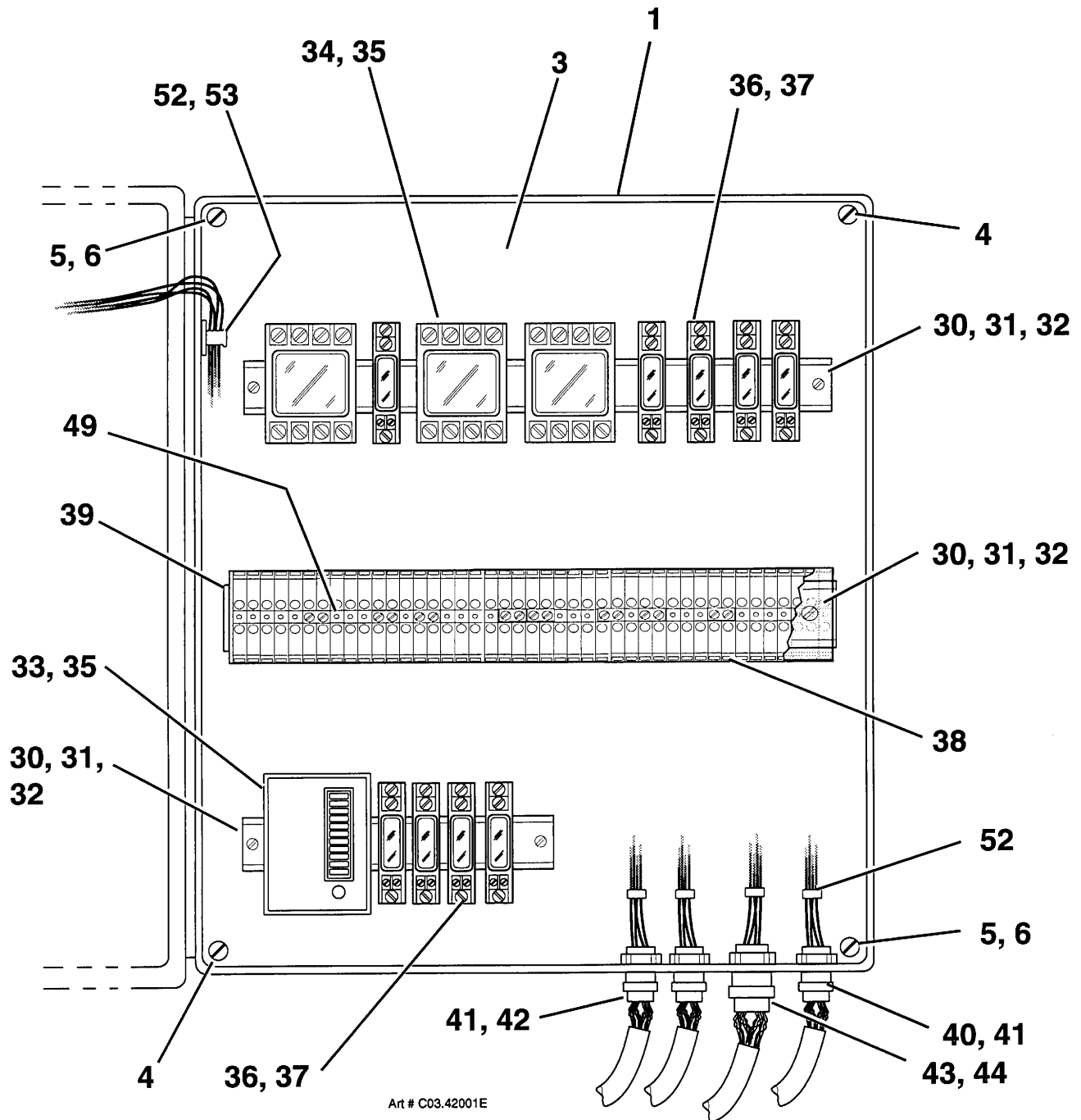
NEW 29 AUG., 1995

PART
NO.

PLATE
NO. C03.42

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	03-051700		RAIL, TERMINAL [1 M (39.4") long, cut to fit]	A.R.
31			MACHINE SCREW, PAN HEAD	6
32			NUT, HEX LOCK	6
33	03-052800		RELAY, TIME DELAY (0 to 102.3 second, 12 Volt DC)	1
34	03-050100		RELAY, PLUG IN (Double pole, 12 Volt DC)	3
35	03-037500		SOCKET, RELAY (Double pole, snap mount)	4
36	03-051500		RELAY, PLUG IN (Single pole, 12 Volt DC)	9
37	03-051600		SOCKET, RELAY (Single pole, snap mount)	9
38	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	43
39	03-066100		PLATE, TERMINAL BLOCK END	1
40	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	A.R.
41	03-055500		NUT, CONDUIT LOCK (1/2")	A.R.
42	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	2
43	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	3
44	03-055600		NUT, CONDUIT LOCK (3/4")	3
			The following hardware items, listed for your convenience, are typically used in Simon electrical control boxes:	
45	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG)	
46	03-446100		CABLE, ELECTRICAL (10 conductor, #18 AWG)	
47	03-446800		CABLE, ELECTRICAL (10 conductor, #16 AWG)	
48	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp)	
49	03-066300		BAR, JUMPER (2 pole) (Double line jumper)	
50	03-067500		BAR, JUMPER (3 pole) (Triple line jumper)	
51	03-707200		BAR, JUMPER (4 pole) (Quad line jumper)	
52	03-064000		TIE, CABLE [7.4" (188 mm) long]	
53	03-064100		MOUNT, CABLE TIE	
TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)				
PLATE NO. C03.42		SIMON AERIALS INC.		PART NO.
		NEW 29 AUG., 1995		

PLATE NO. C03.42	SIMON AERIALS INC.	NEW 29 AUG., 1995	PART NO.
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TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 29 AUG., 1995

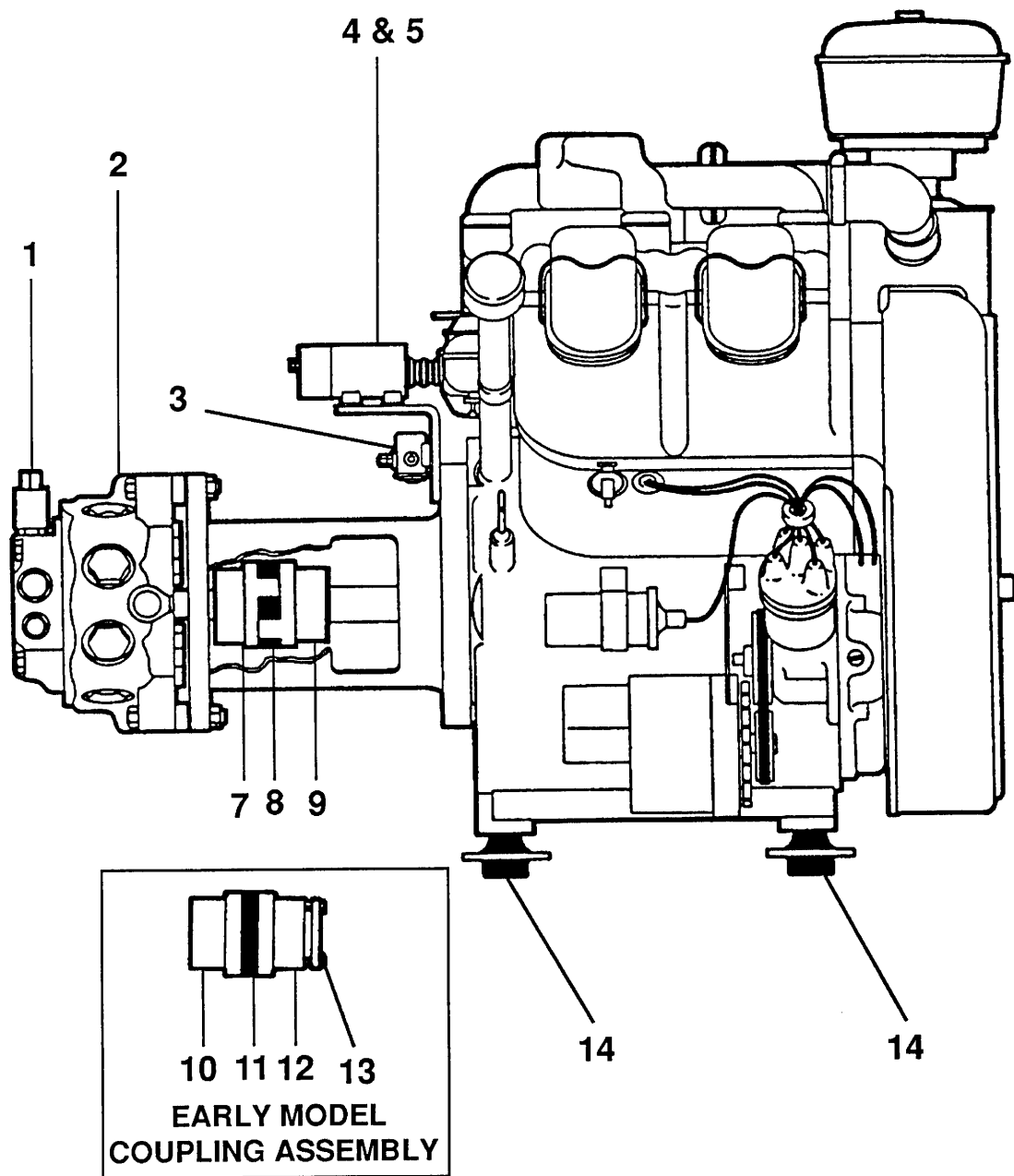
PART
NO.

PLATE
NO. C03.42

[illegible]

GAS ENGINE ASSEMBLY - 65 H.P.

208485-1



TITLE

GAS ENGINE ASSEMBLY - 65 H.P.

SIMON AERIALS INC.

REV. 01/16/91

PART
NO.

208485-1

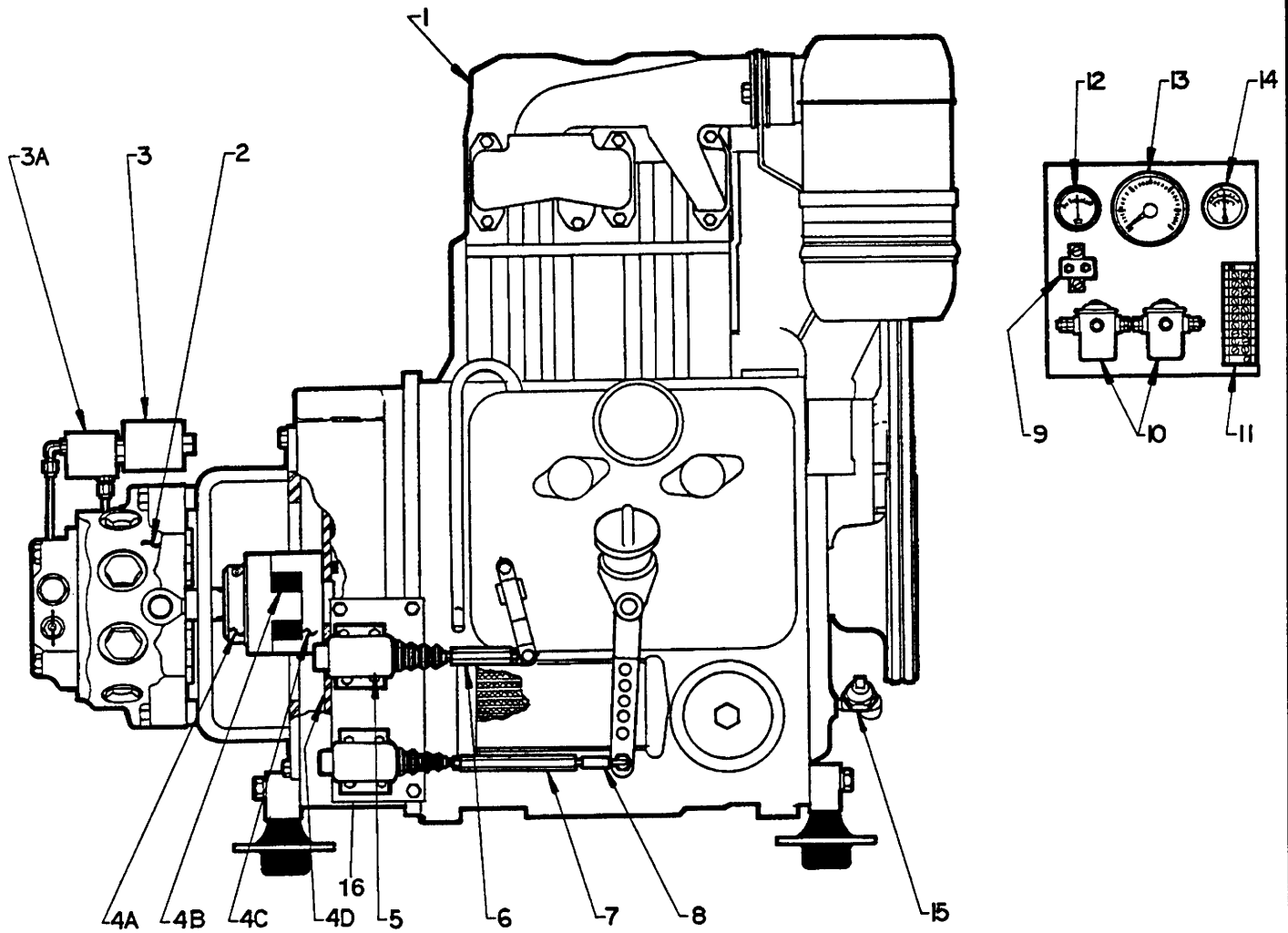
PLATE
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C04.17

[illegible]

DIESEL ENGINE ASSEMBLY

2097996



TITLE

DIESEL ENGINE ASSEMBLY

SIMON AERIALS INC.

REV. 09/12/90

PART
NO.

2097996

PLATE
NO.

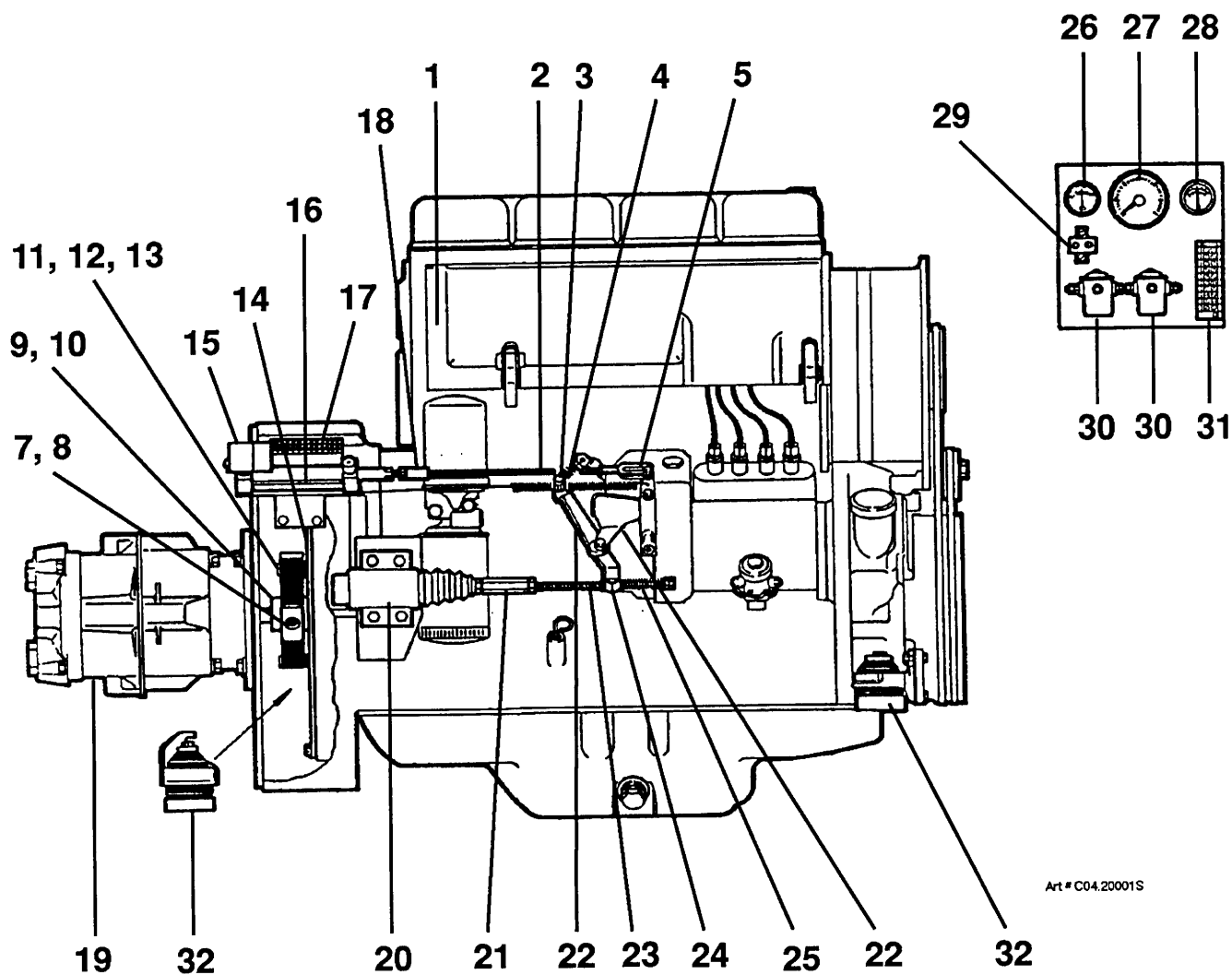
C04.19

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-008100		ENGINE, DIESEL (Deutz Model #F4L912)	1
2			ROD, THREADED	1
3	09-019405		POST, HEX ADAPTER	1
4	09-019406		SPRING, EXTENSION	1
5			CLEVIS, THROTTLE	1
6			COUPLING, PUMP	1
7			INSERT, RADIAL	3
8			SHOULDER SCREW, RADIAL INSERT	3
9			HUB, CYLINDRICAL	1
10			SCREW, SPLINE LOCK	2
11			INSERT, HYTREL	1
12			SHOULDER SCREW, HYTREL INSERT	3
13			PIN, AXIAL DRIVE	3
14			PLATE, ADAPTER	1
15	09-000405		SOLENOID VALVE, THROTTLE ADVANCE	1
16	09-000406		THROTTLE CYLINDER	1
	09-000412		SEAL KIT, THROTTLE CYLINDER	1
17	03-068000		BLOCK, TERMINAL	1
18			COUPLING	1
19	See index	D08.--	PUMP, HYDRAULIC	1
20	09-000404		SOLENOID, RACK	1
21	09-019402		ROD, HEX (threaded)	1
22	09-019407		LEVER ASSEMBLY, PIVOT	1
23	09-019401		ROD, EXTENSION	1
24	09-019403		SCREW, HEX	1
25	09-019404		SPRING, COMPRESSION	1
26	03-030400		AMMETER	1
27	09-000407		TACHOMETER	1
28	10-034200		GAUGE, OIL PRESSURE	1
29	03-024100		BREAKER, CIRCUIT (10 Amp)	1
30	03-051300		RELAY	2
31	03-068000		BLOCK, TERMINAL	1
32			MOUNT, ENGINE	4

TITLE	DIESEL ENGINE ASSEMBLY, DEUTZ F4L912
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PLATE NO.	C04.20	SIMON AERIALS INC.	REV. 24 SEP., 1993	PART NO.	2098090
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Art # C04.20001S

TITLE

DIESEL ENGINE ASSEMBLY, DEUTZ F4L912

SIMON AERIALS INC.

REV. 24 SEP., 1993

PART
NO.

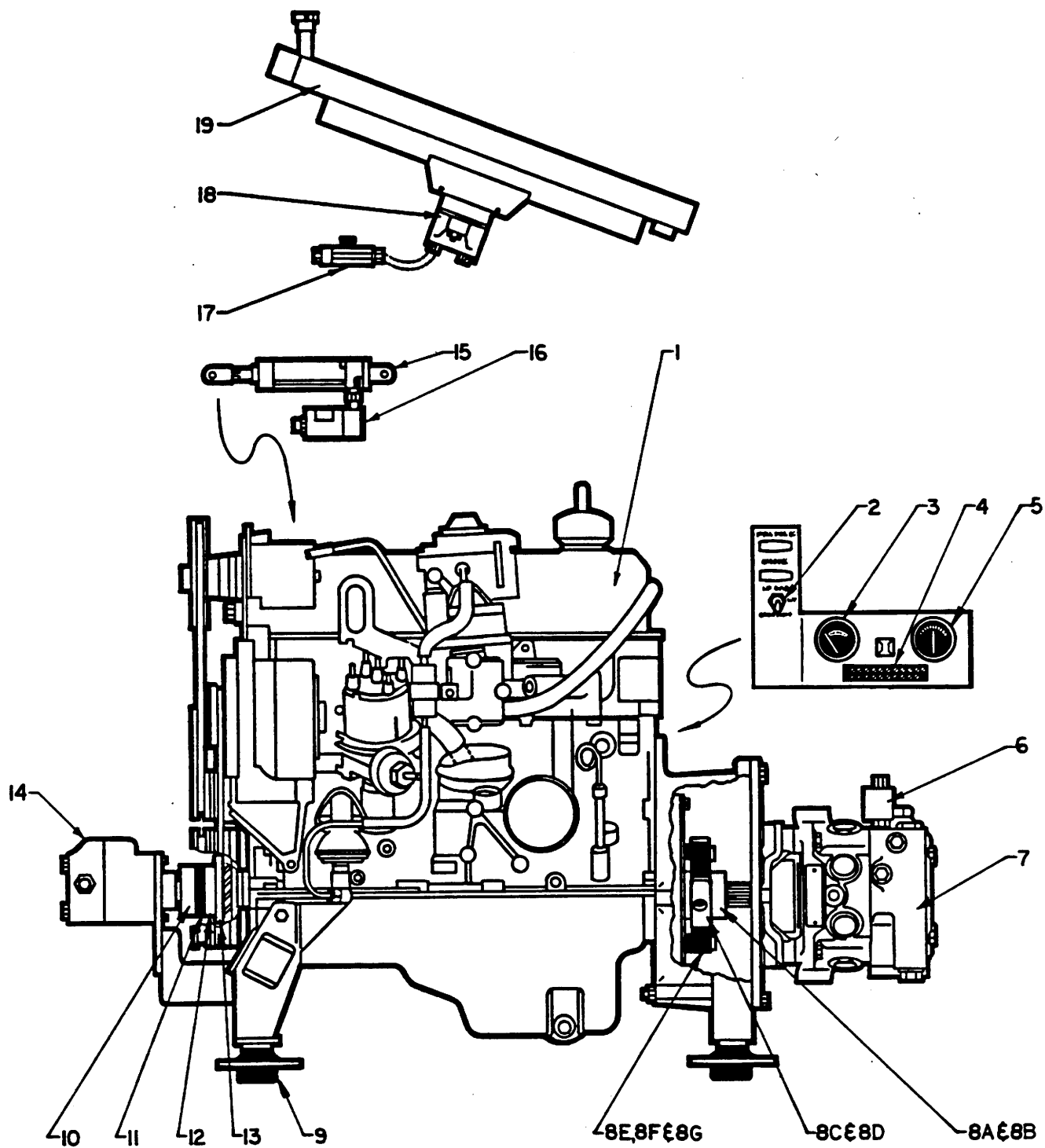
2098090

PLATE
NO.

C04.20

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.	
1	01-017800	D8	GAS ENGINE (FORD MODEL #LSG 423)	1	
2	03-020200		TOGGLE SWITCH, GAS LPG	1	
3	10-034200		OIL PRESSURE GAUGE	1	
4	03-068000		TERMINAL BLOCK	1	
5	03-030400		AMMETER	1	
6	01-013700		SOLENOID VALVE, PUMP UNLOADING	1	
7	SEE INDEX		HYDRAULIC PUMP	1	
8	02-011400		PUMP COUPLING, COMPLETE	1	
8A			CYLINDRICAL HUB	1	
8B			SPLINE LOCK SCREW, CYLINDRICAL HUB	2	
8C			RADIAL INSERT	3	
8D			SHOULDER SCREW, RADIAL INSERT	3	
8E			HYTREL INSERT	1	
8F			SHOULDER SCREW, HYTREL INSERT	3	
8G			AXAIL DRIVE PIN, HYTREL INSERT	3	
9	09-006500		MOTOR MOUNT	4	
10	SBD-2103640		COUPLING HALF, PUMP	1	
11	02-011800		INSERT	1	
12	SBD-2103630		COUPLING HALF, ENGINE	1	
13	SBD-2103620		CRANKSHAFT ADAPTER PLATE	1	
14	01-064000		HYDRAULIC PUMP, FAN	1	
15	09-000406		THROTTLE CYLINDER	1	
16	09-000405		SOLENOID VALVE, THROTTLE CYLINDER	1	
17	01-012300		NEEDLE VALVE, PRESSURE COMPENSATED	1	
18	01-062200		HYDRAULIC MOTOR, FAN	1	
19			RADIATOR (FORD)	1	
DESCRIPTION			PART NO.		
WATER COOLED GAS ENGINE ASSEMBLY			3510188		



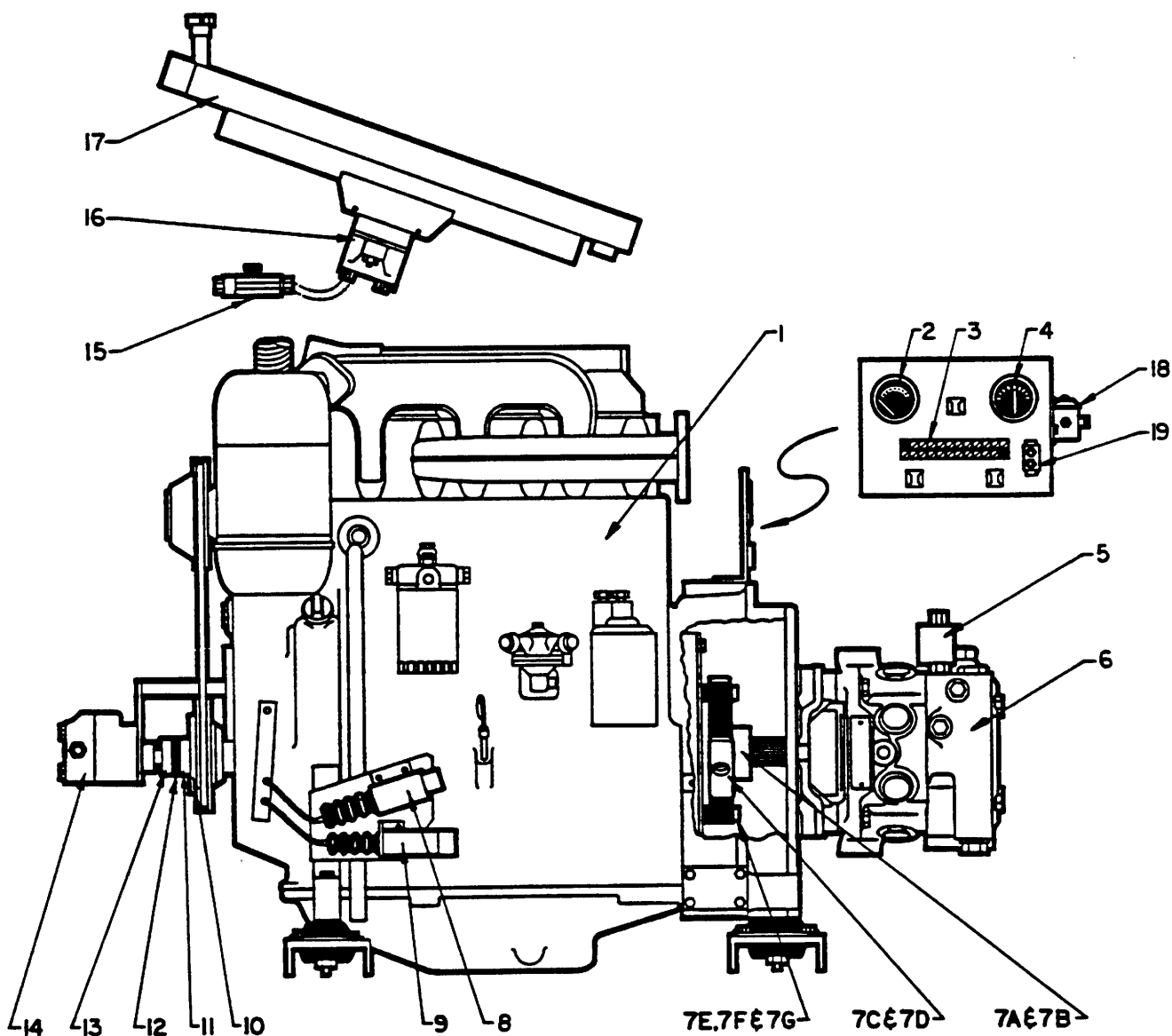
0286/0186

DESCRIPTION WATER COOLED GAS ENGINE ASSEMBLY

PART NO. 3510188

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-024000	D8	DIESEL ENGINE (MWM MODEL #202-3)	1
2	10-034200		OIL PRESSURE GAUGE	1
3	03-068000		TERMINAL STRIP	1
4	03-030400		AMMETER	1
5	01-013700		SOLENOID VALVE, PUMP UNLOADING	1
6	SEE INDEX		HYDRAULIC PUMP	1
7			PUMP COUPLING, COMPLETE	1
7A			CYLINDRICAL HUB	1
7B			SPLINE LOCK SCREW, CYLINDRICAL HUB	2
7C			RADIAL INSERT	3
7D			SHOULDER SCREW, RADIAL INSERT	3
7E			HYTREL INSERT	1
7F			SHOULDER SCREW, HYTREL INSERT	3
7G			AXIAL DRIVE PIN, HYTREL INSERT	3
8	09-000404		SOLENOID, THROTTLE	1
9	09-024001		SOLENOID, RACK	1
10			CRANKSHAFT ADAPTER PLATE	1
11	SBD-2103630		COUPLING HALF, ENGINE	1
12	02-011800		INSERT	1
13	SBD-2103640	COUPLING HALF, PUMP	1	
14	01-064000	HYDRAULIC PUMP, FAN	1	
15	01-012300	NEEDLE VALVE, PRESSURE COMPENSATED	1	
16	01-062200	HYDRAULIC MOTOR, FAN	1	
17		RADIATOR (FORD)	1	
18	03-051300	RELAY	1	
19	03-024100	CIRCUIT BREAKER, 10 AMP	1	
	09-024002	STARTER (NOT SHOWN)	1	
DESCRIPTION			PART NO.	
WATER COOLED DIESEL ENGINE ASSEMBLY				



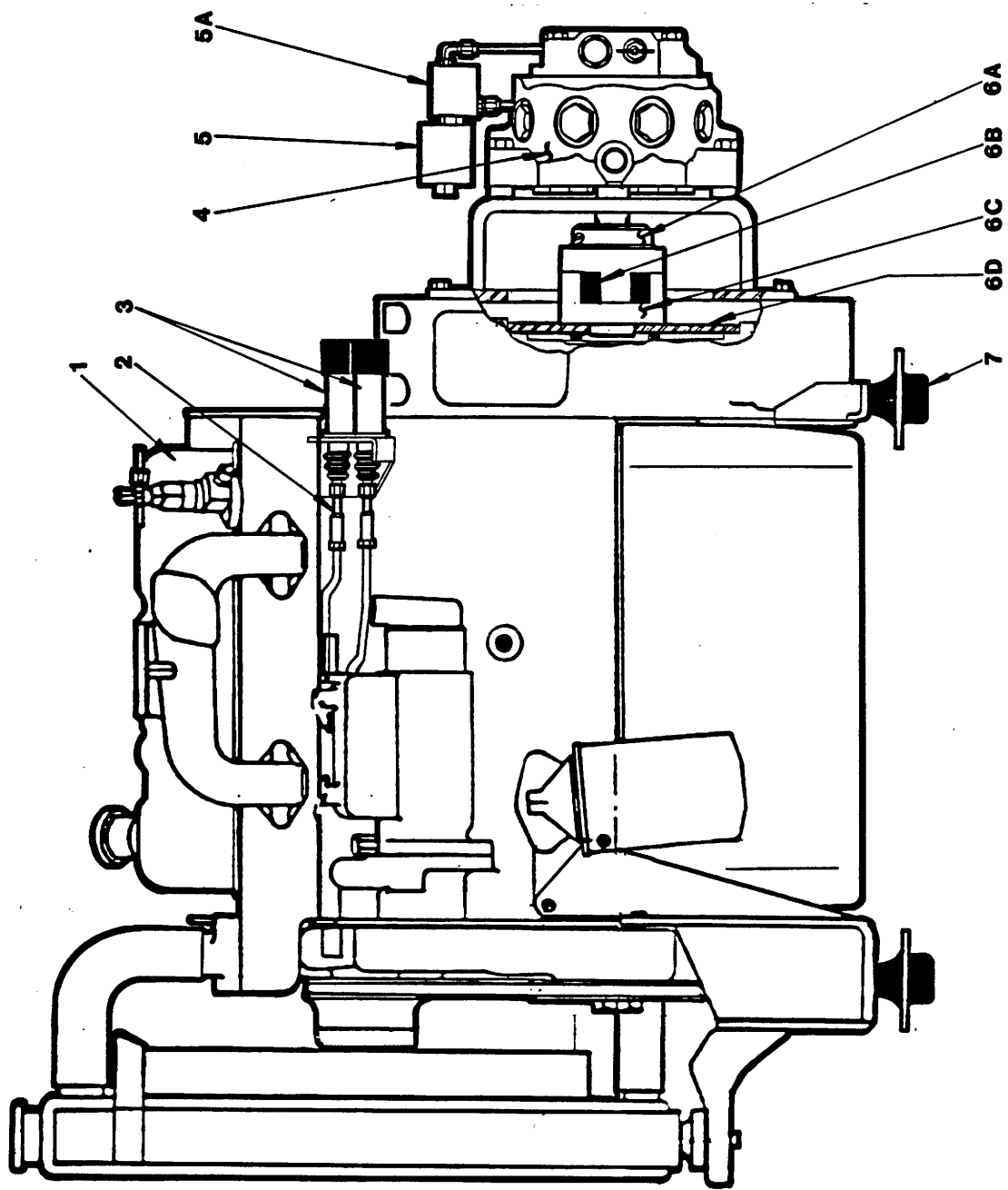
0286/0286

DESCRIPTION
WATER COOLED DIESEL ENGINE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-018100	D8	DIESEL ENGINE, 4 CYL. (PERLINS MODEL #4.108)	1
2	11-040007		TREADED COUPLER, 5/16 - 18	2
3	03-414500		SOLENOID (TROTTLER, RACK)	2
4	SEE INDEX		HYDRAULIC PUMP	1
5	01-013700		SOLENOID VALVE, PUMP UNLOADING	1
5A	01-013900		SOLENOID VALVE BLOCK	1
6	02-008100		PUMP COUPLING - COMPLETE	1
6A	02-008501		COUPLING BODY, PUMP HALF	1
6B	02-008101		SPIDER INSERT	1
6C	02-008503		COUPLING BODY, ENGINE HALF	1
6D			FLYWHEEL FALNGE (FROM #02-008600 COUPLING)	1
7	09-006500		MOTOR MOUNT	4
DESCRIPTION			PART NO.	
DIESEL ENGINE ASSEMBLY				



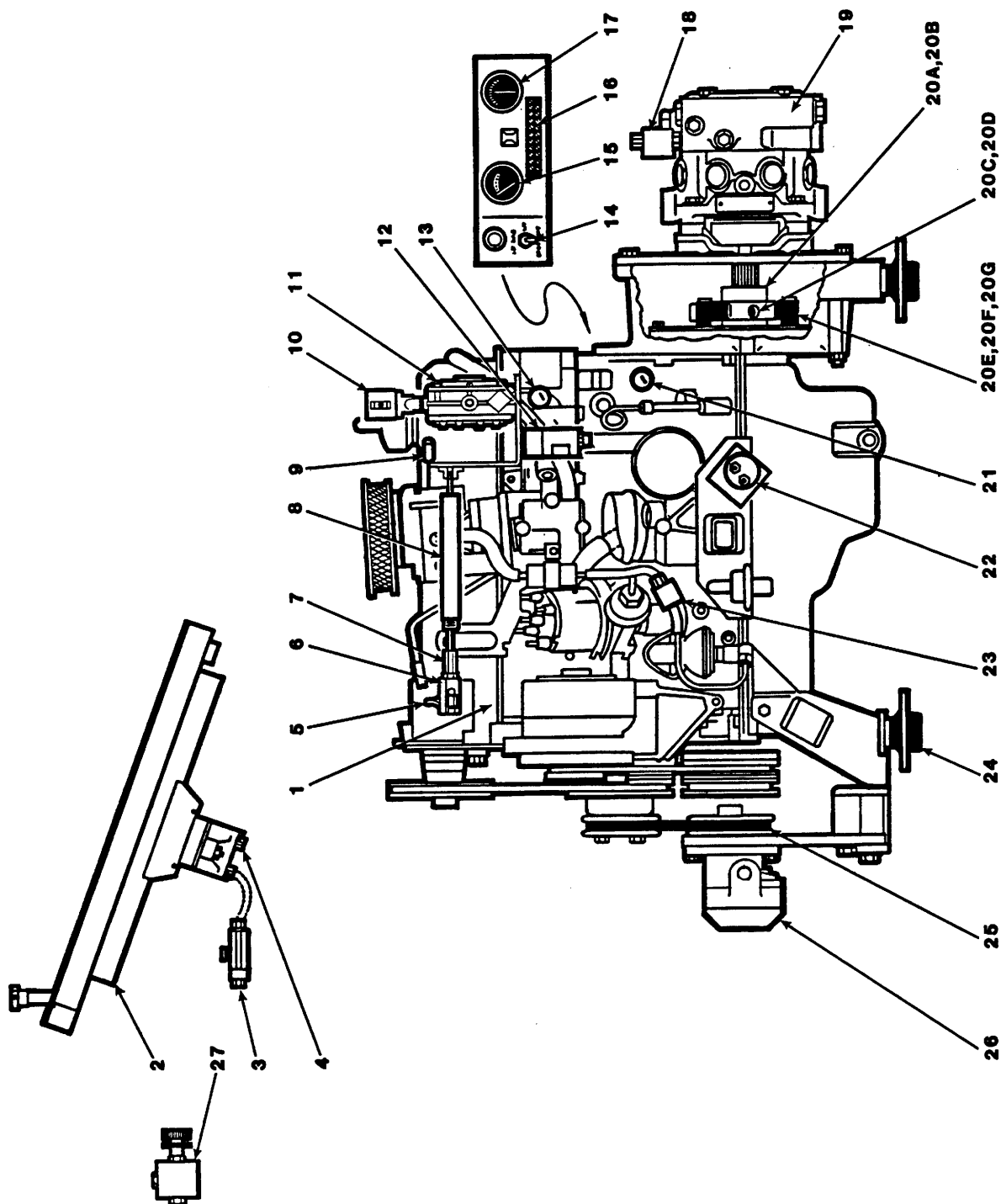
DESCRIPTION

DIESEL ENGINE ASSEMBLY

PART NO.

PARTS LIST

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



DESCRIPTION

WATER COOLED GAS ENGINE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3535800		ENGINE GROUP (Ford LSG-423)	1
	3531340		MP/ RP Series with HPR40 Pump (Gasoline)	
	3535810		MP/ RP Series with HPR50 Pump (Gasoline)	
	3531350		MP/ RP Series with HPR40 Pump (Dual fuel)	
			MP/ RP Series with HPR50 Pump (Dual fuel)	
1	09-017800		ENGINE ASSEMBLY (Ford LSG-423)	1
	09-023700		63 HP (47 Kw) liquid cooled gas four cylinder	
			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	
22	03-452100		Later version. 1" (25 mm) dia. x 2-3/8" (60 mm) long	
			BRACKET, CHOKE SOLENOID	1
	2158330		Flat bracket, used until January, 1993	
	2311170		"L" shaped bracket, used since January, 1993 (shown)	
23	07-011343		MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2)	3
			(for mounting Bracket 2158330)	
24	07-065009		WASHER, HELICAL LOCK (#8) (for Bracket 2158330)	3
25	07-062009		WASHER, FLAT (#8) (for mounting Bracket 2158330)	3
26	10-110600		SPRING, CHOKE RETURN	1
27	07-075414		ROLL PIN (1/8" x 1")	1
28	2113350		BRACKET, THROTTLE (comes with engine)	1
29			SCREW (Bracket to engine)	2

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

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

NEW 04 AUG., 1994

PART NO.

PARTS LIST

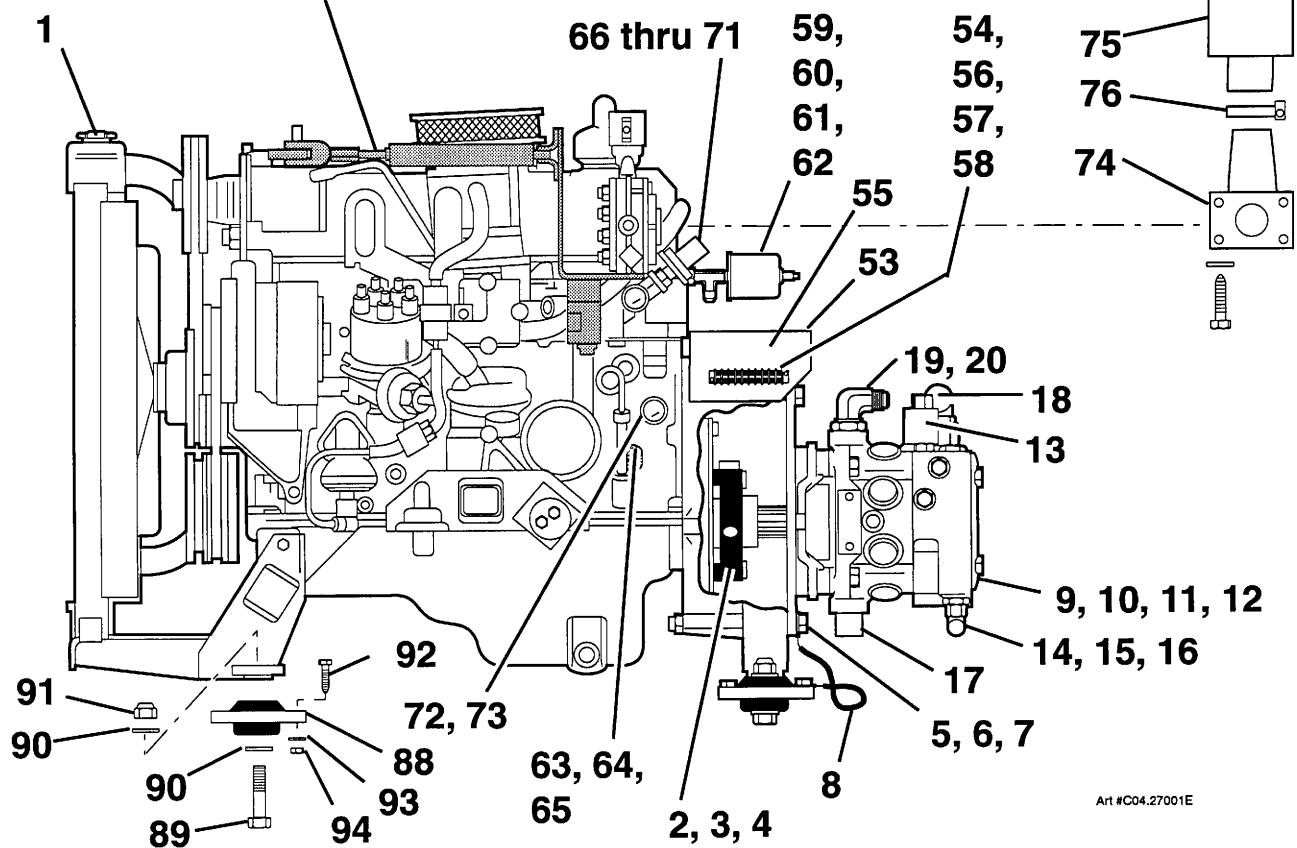
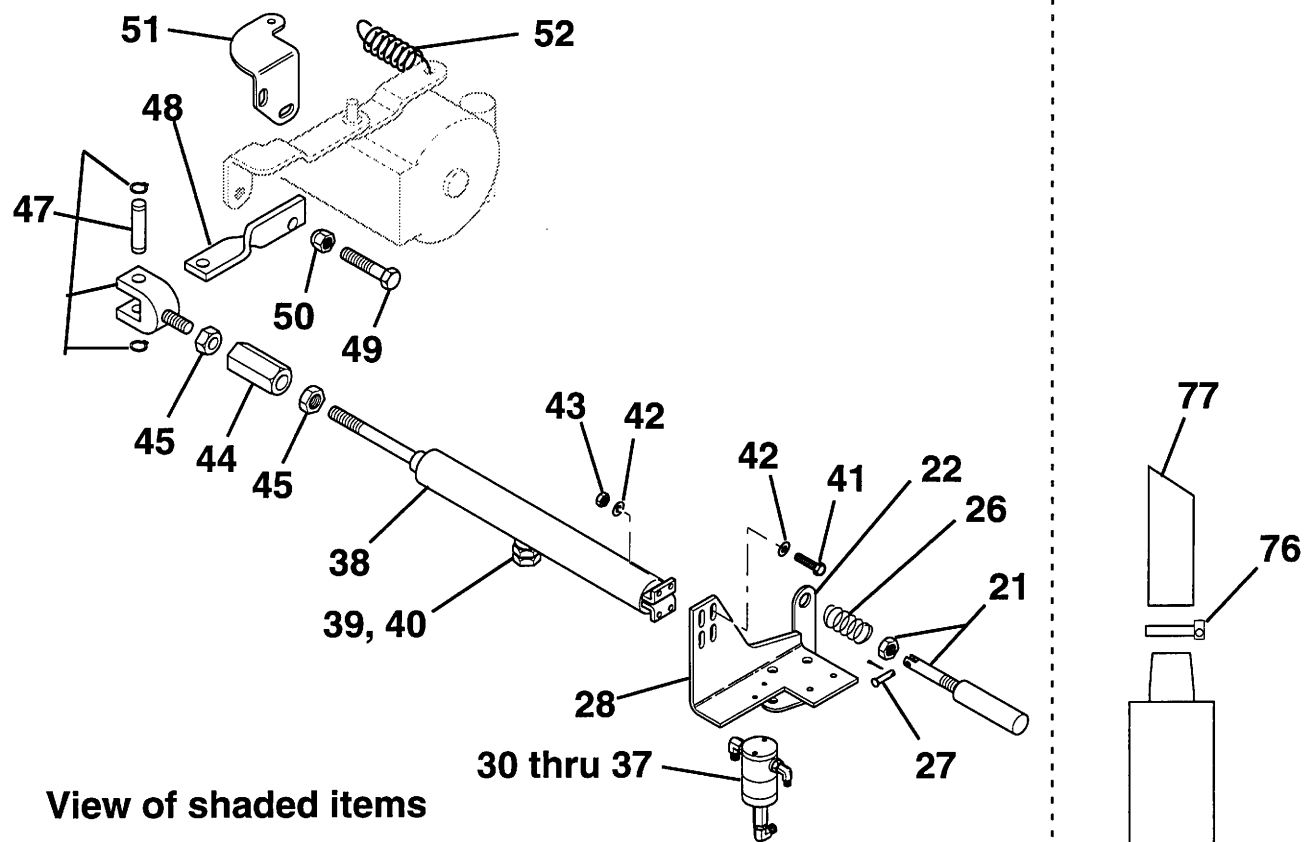
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	09-000405		VALVE, ENGINE SOLENOID (Throttle advance)	1
31	06-198600		90° COMPRESSION FITTING (169 CA-3-4) (1/4" NPT to 3/16" tubing)	3
32	11-030506		BUSHING, REDUCER (1/4" x 1/8")	A.R.
33			ELBOW	1
34	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade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

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

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

NEW 04 AUG., 1994

PART NO.



Art #C04.27001E

TITLE

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

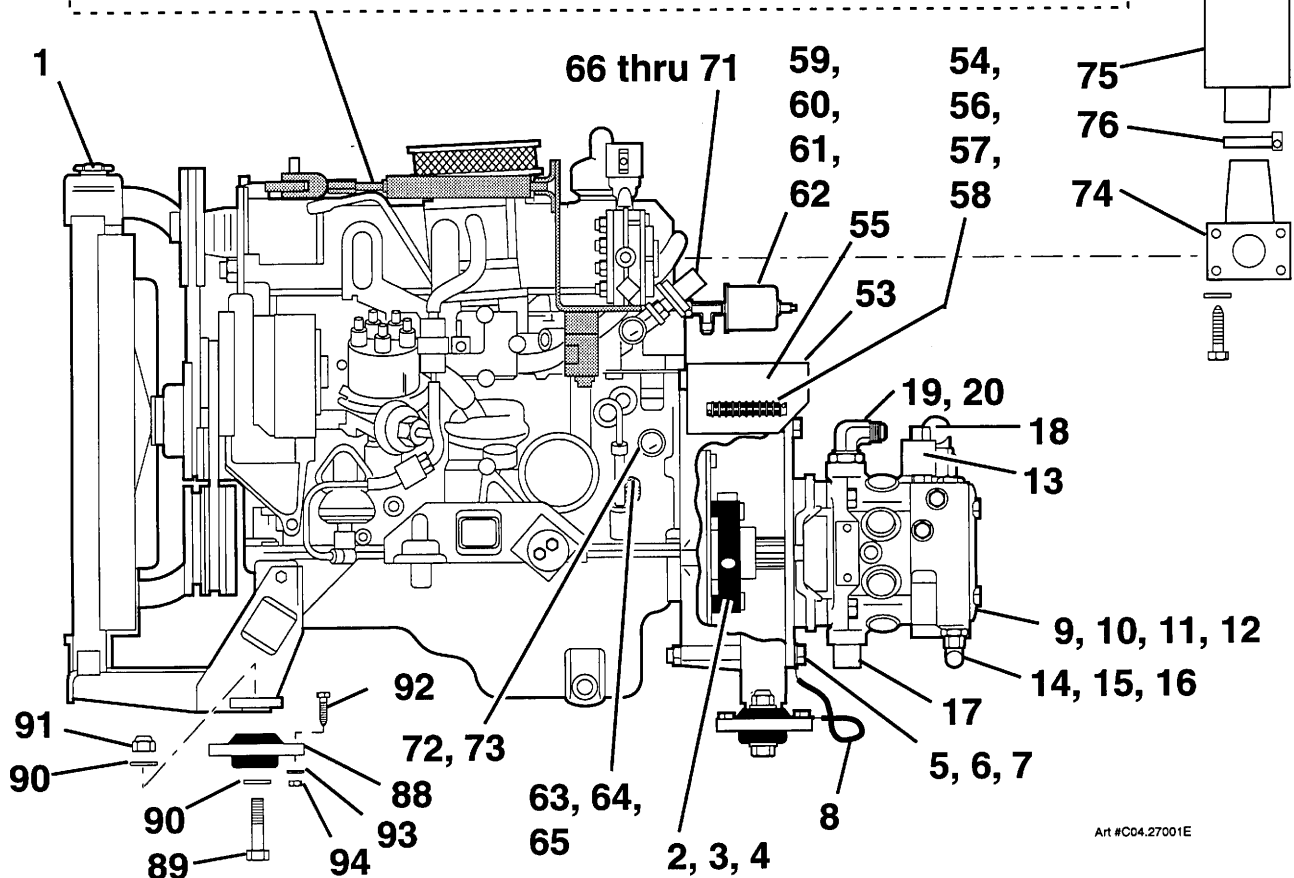
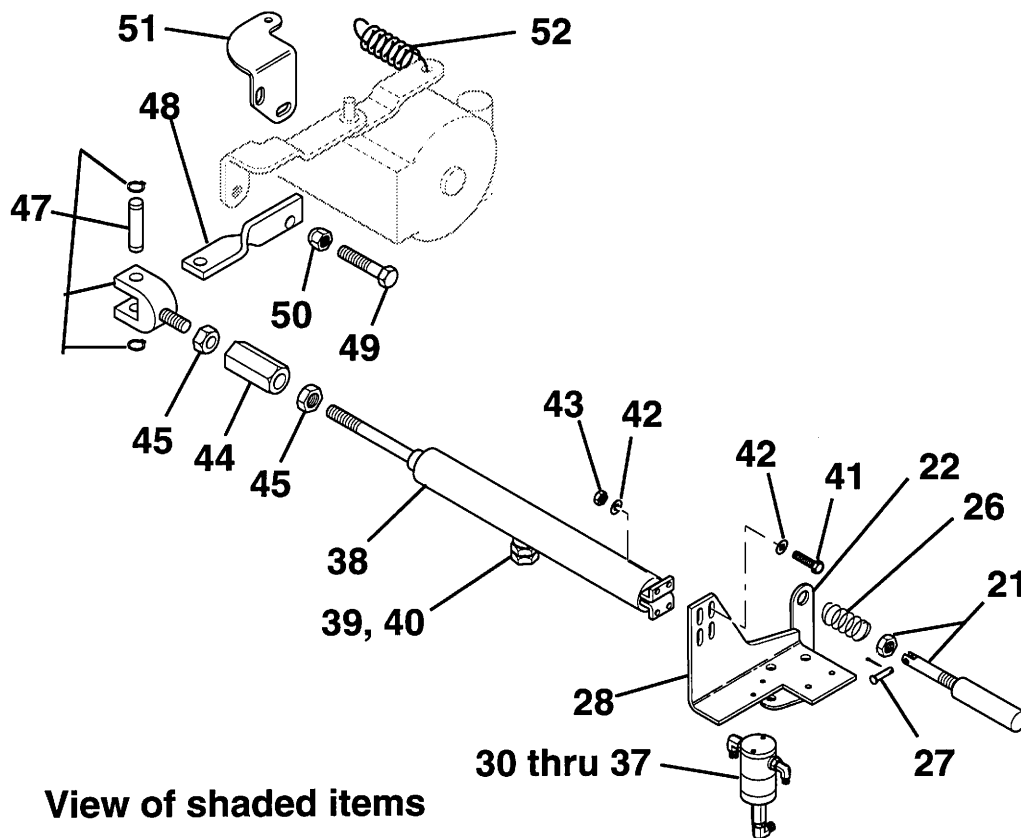
SIMON AERIALS INC.

NEW 04 AUG., 1994

PART
NO.

PLATE
NO. C04.27

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
68	06-070600		REDUCER, PIPE THREAD (4-2 PTR-S)	1
69	06-074700		TEE, STRAIGHT TO PIPE THREAD (4 MRO-S)	1
70	07-040111		NUT, HEX (#10-32, Grade 5)	2
71	07-065011		WASHER, HELICAL LOCK (#10)	1
72			SWITCH, WATER TEMPERATURE (comes with engine)	1
73	07-092200		NUT, HEX (#8-32)	2
74	2328140		ELBOW, EXHAUST (used with muffler 09-055100)	1
	2301640		ELBOW, EXHAUST (used with muffler 09-054900)	1
75			MUFFLER, ENGINE EXHAUST	1
	09-055100		Muffler body is 15" (381 mm) long (latest version)	1
	09-054900		Muffler body is 9-1/2" (241 mm) long (later version)	1
	09-022000		Muffler body is 23" (584 mm) long (earlier version)	1
76	09-015400		CLAMP, MUFFLER (2")	1
77	2328150		PIPE, EXHAUST (used with muffler 09-055100)	1
78	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)	
			(25 Ft [7.6 M] required this application)	A.R.
79	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	
			(1 Ft [30 cm] required this application)	A.R.
80	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item)	
			(2 Ft [61 cm] required this application)	A.R.
81	07-039004		NUT, HEX (M 6)	1
82	07-066004		WASHER, HELICAL LOCK (6 mm)	1
			These items were used on some earlier Dual Fuel versions:	
83	09-028800		VALVE, PROPANE SHUTOFF (Solenoid operated)	1
84	09-023705		CONVERTER, PROPANE (Vaporizer)	1
85	09-017100		VALVE, GAS SHUTOFF	1
			For versions with gauge panel mounted on engine :	
86	10-034200		GAUGE, OIL PRESSURE	1
87	03-030400		AMMETER	1
			The following items are not part of the engine assembly:	
88	09-006500		MOUNT, ENGINE	4
89	07-004095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 8)	4
90	07-061018		WASHER, FLAT (1/2" SAE)	8
91	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	4
92	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	8
93	07-062016		WASHER, FLAT (3/8")	17
94	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	8
89	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
90	09-004600		CLAMP, WORM (1/4" to 5/8")	2
TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)				
PLATE NO. C04.27		SIMON AERIALS INC.		PART NO.
NEW 04 AUG., 1994				



Art #C04.27001E

TITLE

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

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART
NO.

PLATE
NO. C04.27

PARTS LIST

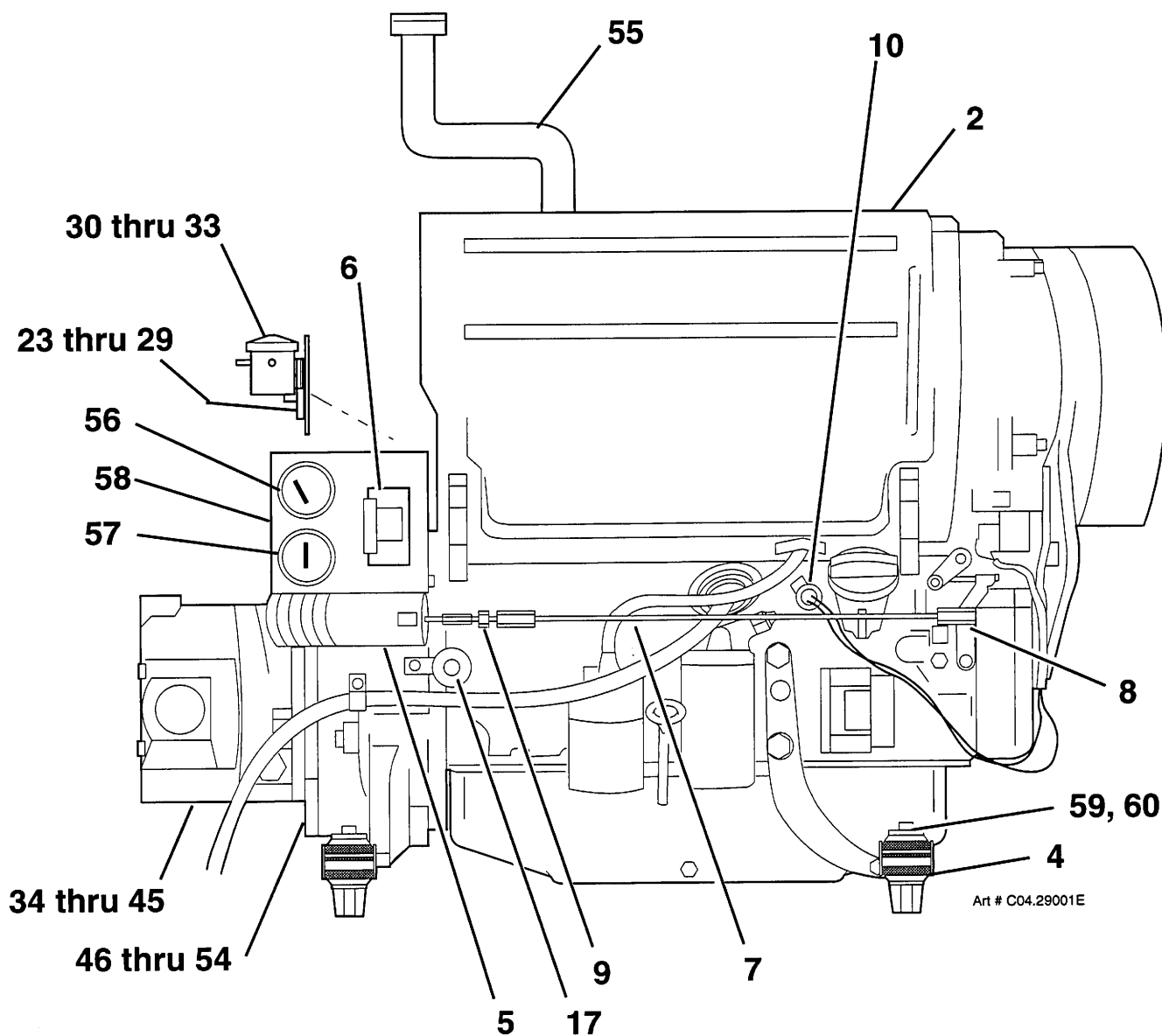
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3532270 3525660		ENGINE ASSEMBLY (Deutz Model F4L1011) with HPR 50 Pump (not for use with water glycol fluid) with PAVC 65 Pump (for use with water glycol fluid)	1 1
2	09-046300		ENGINE, DIESEL (Deutz Model F4L1011)	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
4	- - -		MOUNT, ENGINE (comes with engine)	4
5	03-469400		SOLENOID, THROTTLE (does not include module)	1
6	03-456803		MODULE, THROTTLE SOLENOID	1
7	03-469402		ROD, LINKAGE	1
8	03-469401		BALL JOINT (Straight)	1
9	03-469405		BALL JOINT (90°)	1
10			SWITCH, OIL PRESSURE (comes with engine)	1
11	2190310		BRACKET, MOUNTING (Oil pressure sending unit)	1
12	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	1
13	07-060014		WASHER, FLAT (1/4", SAE)	2
14	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
15	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (2 MRO-S)	1
16	06-199300		FITTING, COMPRESSION (Straight)	2
17	09-052200		SENDING UNIT, OIL PRESSURE	1
18	05-081900		FUEL LINE (5/16") [Bulk item, order as needed. 9" (22.9 cm) needed this application]	A.R.
19	09-004600		CLAMP, WORM (1/4" to 5/8")	2
20	07-062016		WASHER, FLAT (3/8")	2
21	06-084600		ELBOW, PIPE THREAD (2 DD-S)	1
22	05-082200		OIL PRESSURE LINE (3/16") [Bulk item, order as needed. 16" (40.6 cm) needed this application]	A.R.
23	2169790		BRACKET, TERMINAL STRIP MOUNTING	1
24	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	3
25	07-066006		WASHER, LOCK (10 mm)	3
26	07-060016		WASHER, FLAT (3/8", SAE)	3
27	03-068000		BLOCK, TERMINAL (10 station)	1
28	07-011334		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
29	07-050007		NUT, STOP (#6-32, Grade 5)	2
30	03-051300		RELAY (Single pole, single throw)	1
31	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
32	07-060014		WASHER, FLAT (1/4", SAE)	2
33	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 1 OF 3)

PLATE NO. C04.29 **SIMON AERIALS INC.**

REV. 27 JAN., 1994

PART NO.



TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

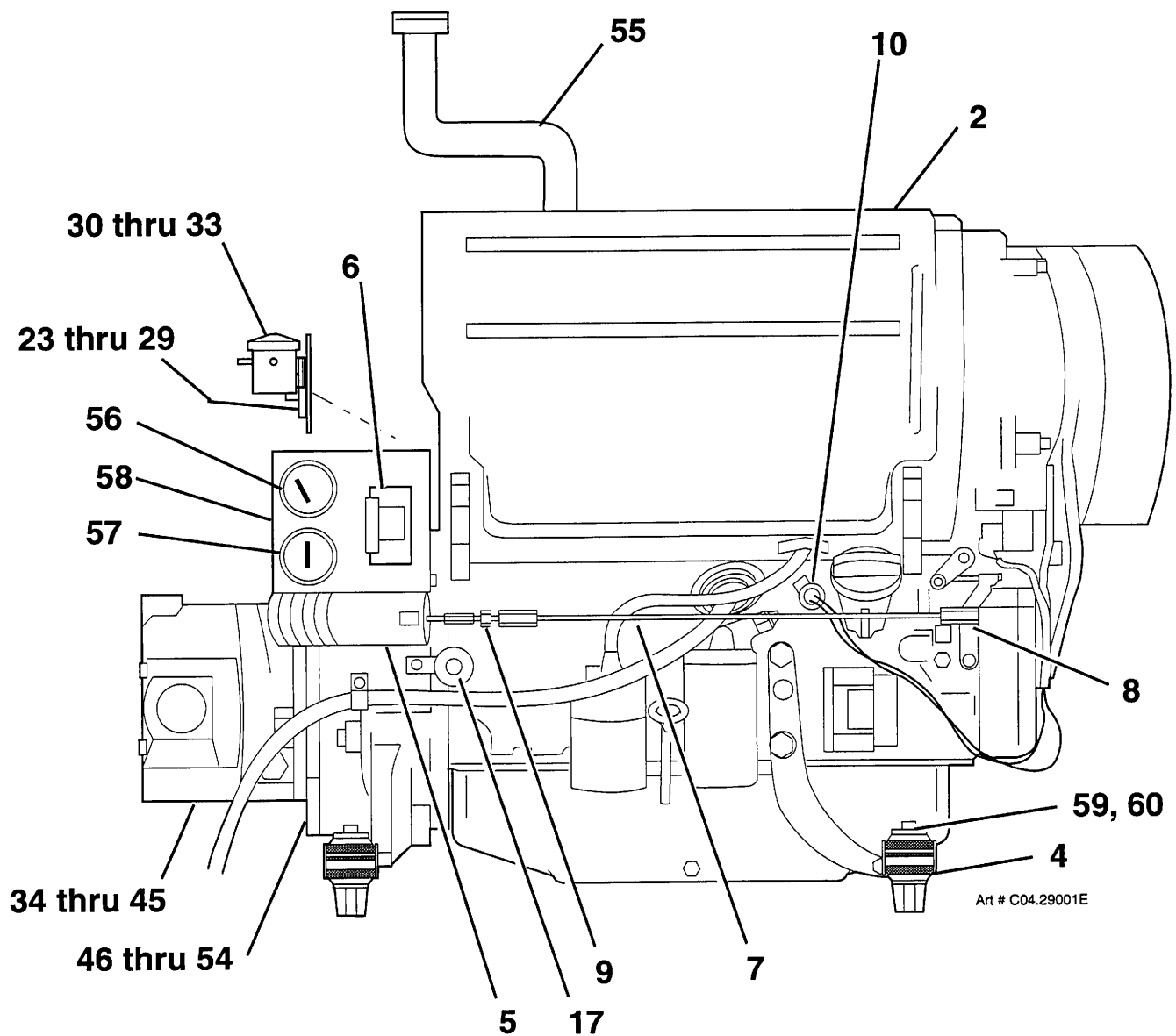
PART
NO.

PLATE
NO. C04.29

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PLATE NO. C04.29	SIMON AERIALS INC.
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PART
NO.



Art # C04.29001E

TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

PART
NO.

PLATE
NO. **C04.29**

PARTS LIST

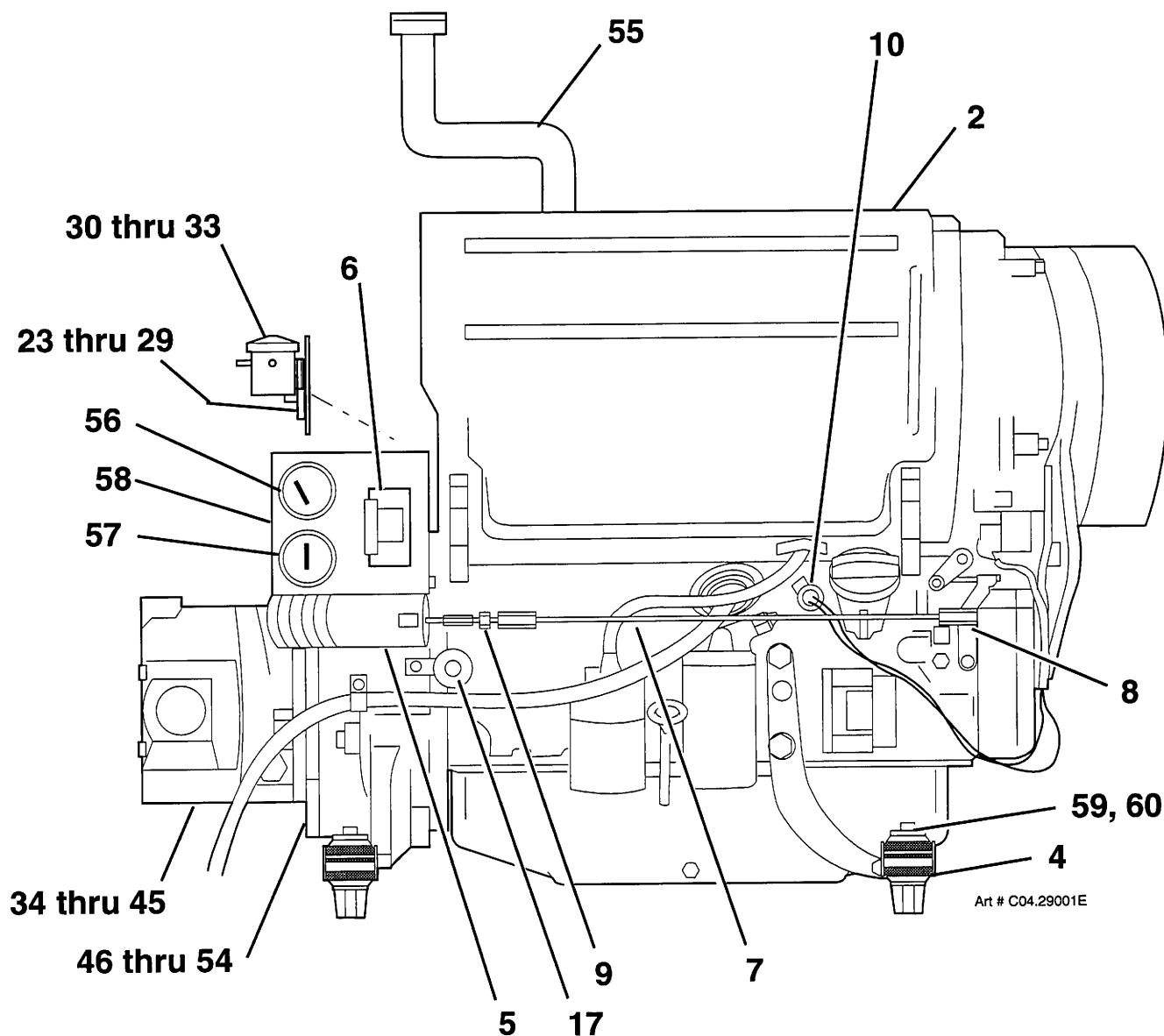
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50	02-043700		COUPLING ASSEMBLY, PUMP • Used with 02-011500 Pump Adapter for HPR 50 Pump. (Replaces 02-033900)	1
	02-033900		• Obsolete. Use 02-043700. 4 segment type, used with 02-011500 Pump Adapter for HPR 50 Pump. 6 hole, 8.5" pilot, 14 tooth spline	1
	02-042000		• 3 segment type, used with PAVC 65 Pump. Consists of (1) hub & (1) adapter from couplings below.	1
51	02-011400		COUPLING ASSEMBLY, PUMP (14 tooth spline) 3 segment type. Use hub portion of this coupling only, with Flywheel Adapter from Item 52.	1
52	02-025600		COUPLING ASSEMBLY, PUMP 3 segment type (6 hole, 8.5" pilot, 13 tooth spline). Use flywheel adapter portion of this coupling only, with Hub from Item 51.	1
53	07-005149		CAP SCREW, HEX HEAD M8 x 25 mm, Grade 8.8 (for HPR 50 Pump)	6
	07-005147		M8 x 16 mm, Grade 8.8 (for PAVC 65 Pump)	6
54	07-066005		WASHER, LOCK (8 mm)	6
55	09-056900		PIPE, EXHAUST	1
			The following items are used when gauges are not mounted on the ground control electrical box:	
56	03-030400		AMMETER (50 Amp)	1
57	10-034200		GAUGE, OIL PRESSURE (2-1/2" dial; with mounting bracket)	1
58	2171050		PANEL, GAUGE	1
			The following items are not part of the Engine Assembly:	
59	07-004078		CAP SCREW, HEX HEAD (7/16"-14 x 6-1/2", Grade 8)	4
60	07-050017		NUT, HEX LOCK (7/16"-14)	4

TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 3 OF 3)

PLATE NO. C04.29 **SIMON AERIALS INC.**

REV. 27 JAN., 1994

PART
NO.



Art # C04.29001E

TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

PART
NO.

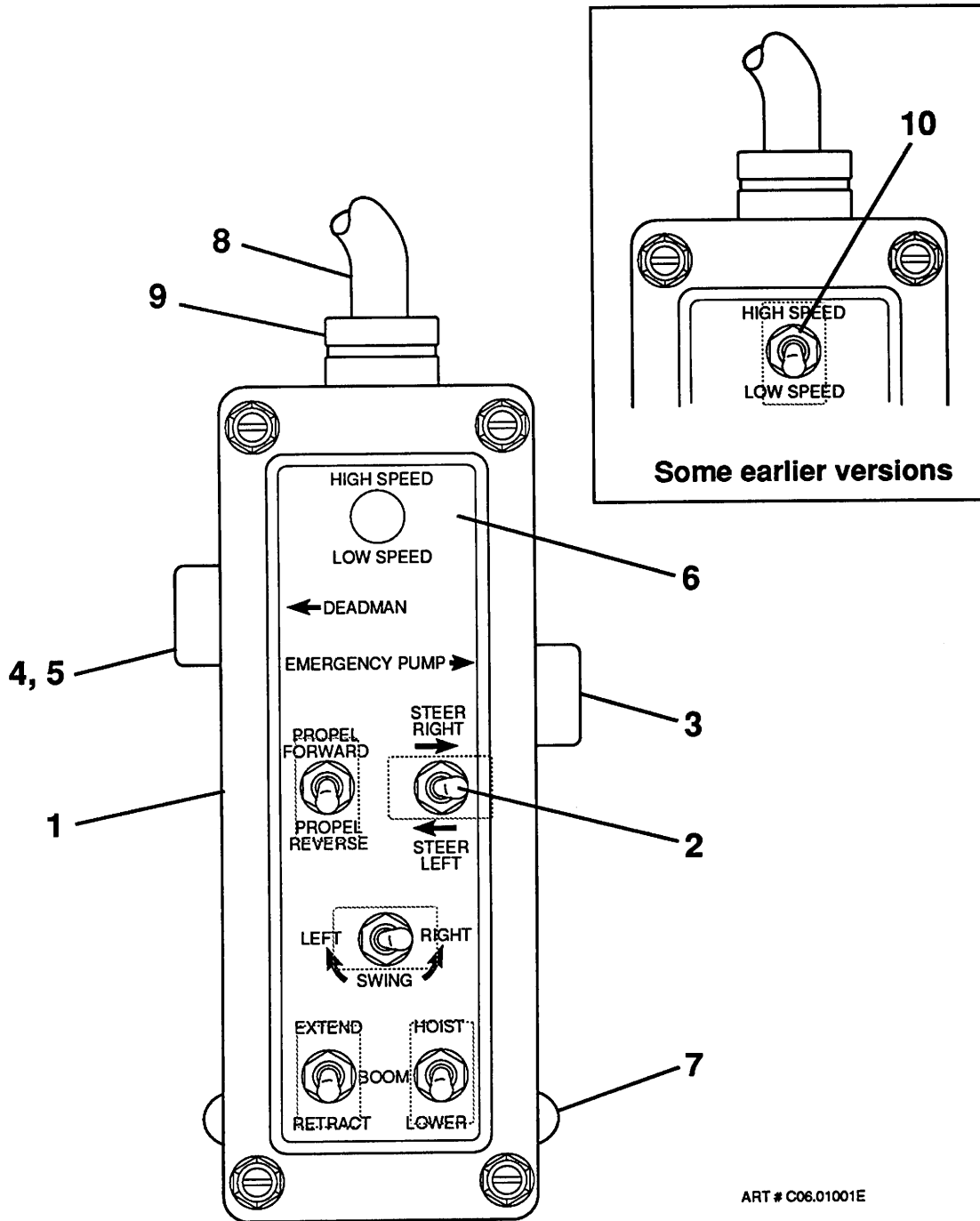
PLATE
NO. **C04.29**

PARTS LIST

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TITLE REMOTE CONTROL PENDANT ASSEMBLY

PLATE NO.	C06.01	SIMON AERIALS INC.	REV. 23 APR., 1993	PART NO.	• 3502251
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ART # C06.01001E

TITLE

REMOTE CONTROL PENDANT ASSEMBLY

SIMON AERIALS INC.

REV. 23 APR., 1993

PART
NO.

• 3502251

PLATE
NO.

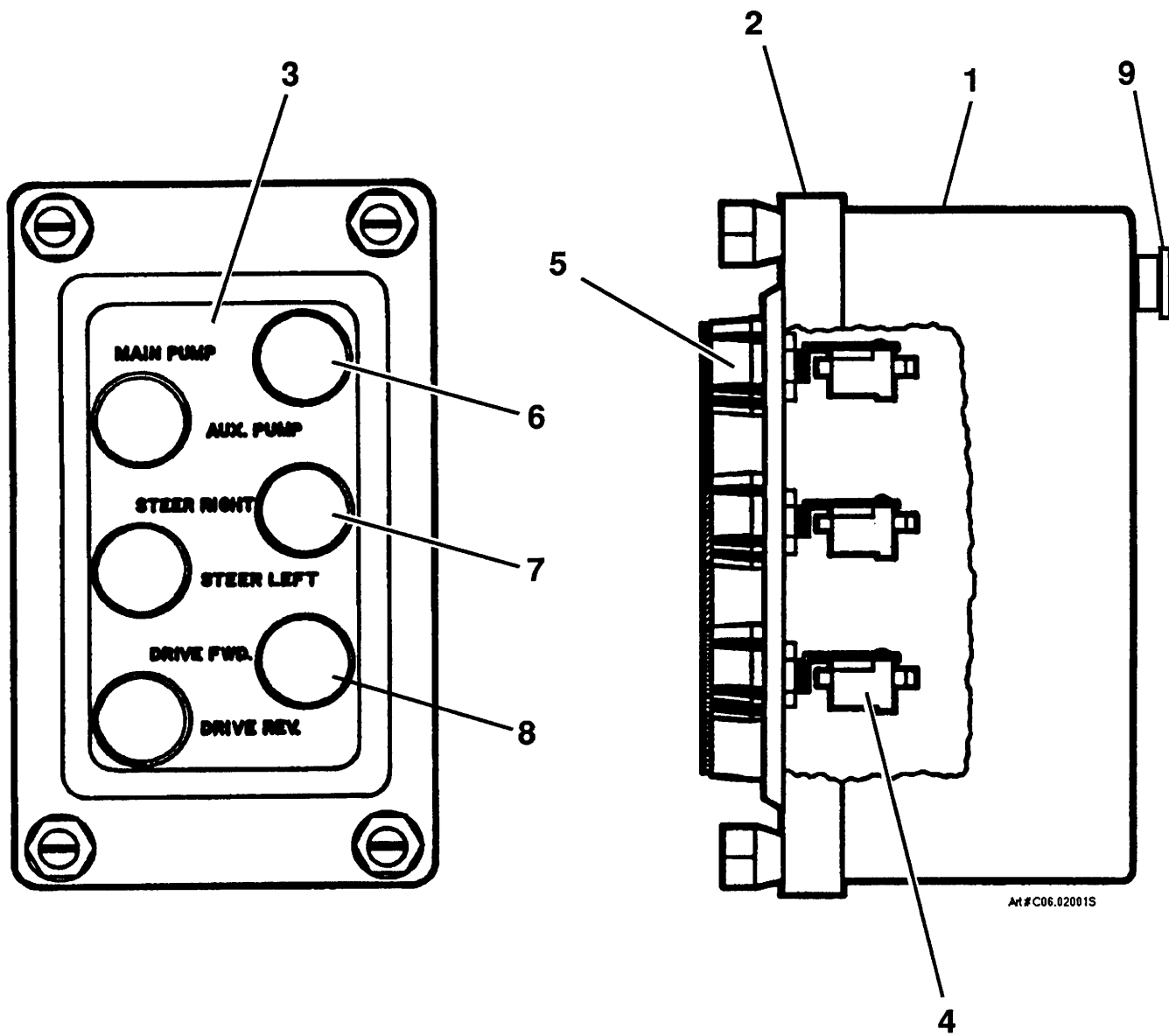
C06.01

[illegible]

PENDANT ASSEMBLY, REMOTE CONTROL

REV. 10 APR., 1992

PART NO. 3510225



Alt # C06.02001S

TITLE PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC. REV. 10 APR., 1992	PART NO. 3510225	PLATE NO. C06.02
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PARTS LIST

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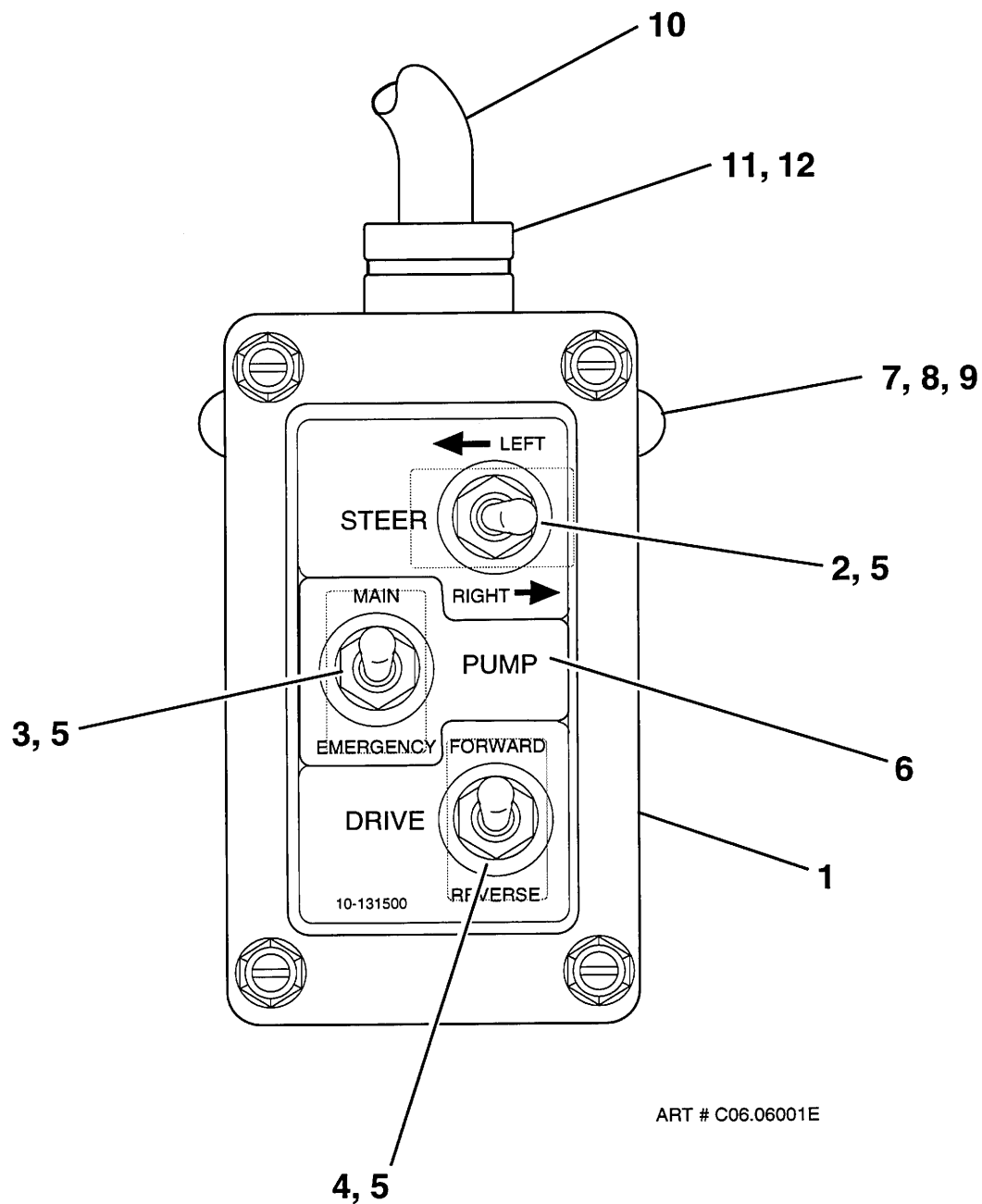
TITLE	PENDANT ASSEMBLY, REMOTE CONTROL
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PLATE NO. C06.06	SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO. 352 9370
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SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO.	352 9370
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REV. 07 SEP., 1995	PART NO. 352 9370
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PART NO.	352 9370
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TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 07 SEP., 1995

PART
NO.

352 9370

PLATE
NO.

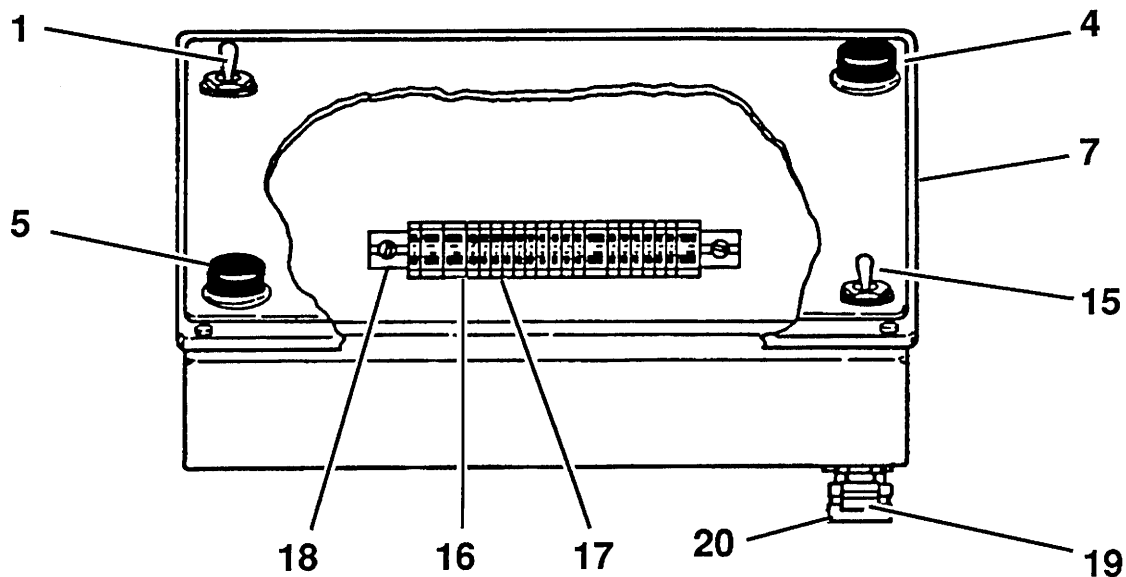
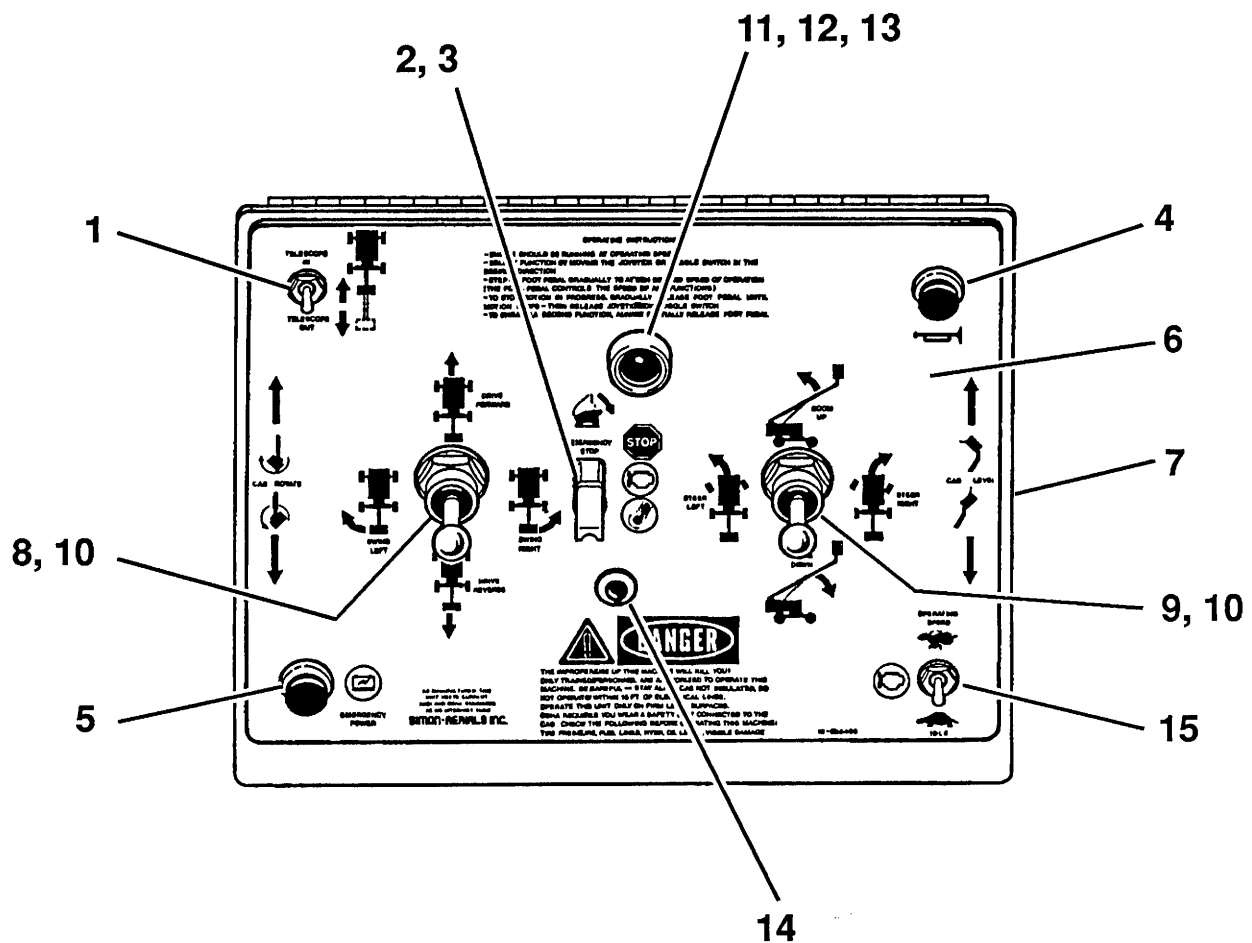
C06.06

PARTS LIST

[illegible]

TITLE PLATFORM CONTROL CONSOLE ASSEMBLY

PLATE NO.	C08.02	SIMON AERIALS INC.	REV. 10/01/90	PART NO.	3508183
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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	E1.4	TOGGLE SWITCH (BOOM EXTEND)	1
2	03-032600		TOGGLE SWITCH (IGN., ENGINE START)	1
3	03-060800		TOGGLE SWITCH GUARD - EMERGENCY STOP	1
4	03-020300		PUSH BUTTON (HORN, EMERGENCY PUMP)	2
5	10-065300		DECAL (MPN SERIES, NON INSULATED)	1
5	10-065100		DECAL (MP SERIES, NON INSULATED)	2
6	03-035900		ENCLOSURE	1
7	03-061600		JOYSTICK, 8 POSITION (LIFT-SWING,DRIVE-STEER)	2
8	03-036600		MOUNTING RAIL, TERMINAL BLOCK	1
9	03-036500		TERMINAL BLOCK, DOUBLE POLE	4
10	03-036400		TERMINAL BLOCK, SINGLE POLE	20
11	03-063200		CORD GRIP, 3/4"	1
12	03-041000		CORD GRIP, 1/2"	1
13	03-020400		TOGGLE SWITCH (DIESEL OPTION,2 SPEED THROTTLED)	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	

PARTS LIST

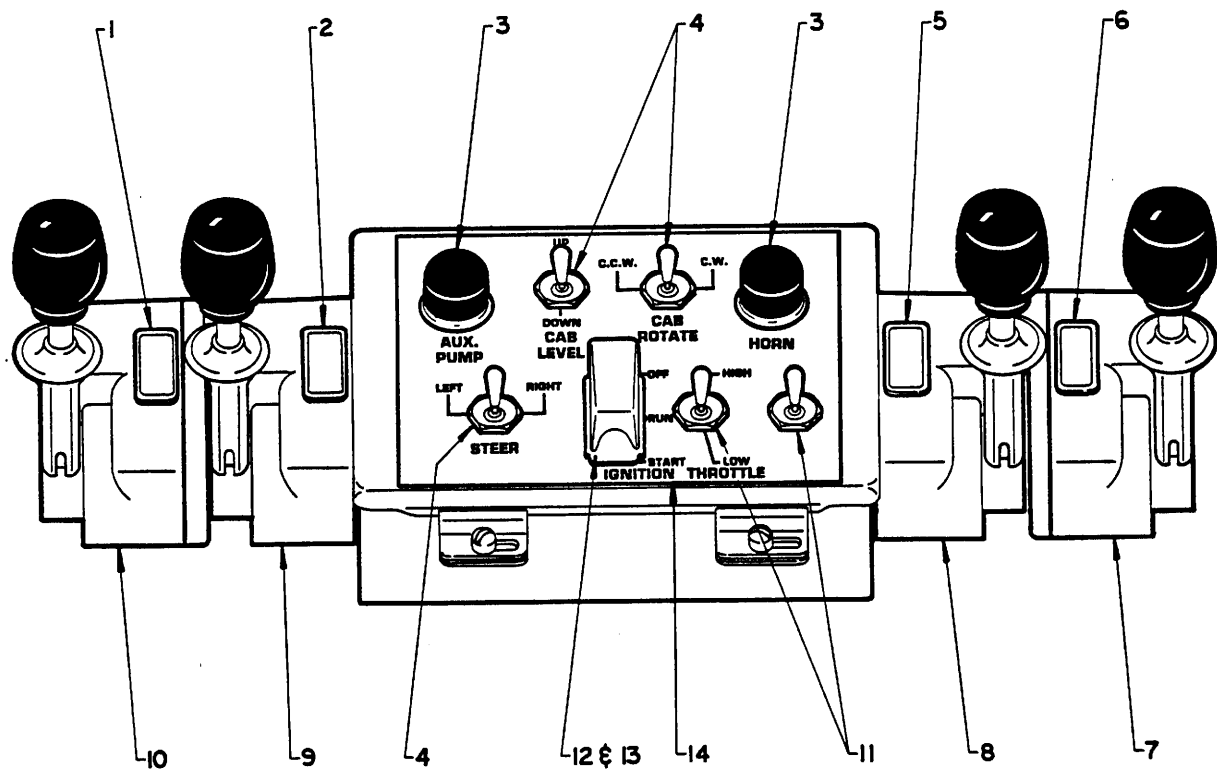
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-027222		DECAL, TELESCOPE	1
2	03-027223		DECAL, LIFT	1
3	03-020300		PUSH BUTTON, AUX. PUMP & HORN	2
4	03-020500		TOGGLE SWITCH, SPST MOM.	3
5	03-027224		DECAL, SWING	1
6	03-027225		DECAL, DRIVE	1
7	03-027203		CONTROLLER, DRIVE	1
8	03-027205		CONTROLLER, SWING	1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

DESCRIPTION

CONTROL CONSOLE (PROPORTIONAL)

PART NO.

CAA-208491-2



0885/0885

DESCRIPTION

CONTROL CONSOLE (PROPORTIONAL)

PART NO.

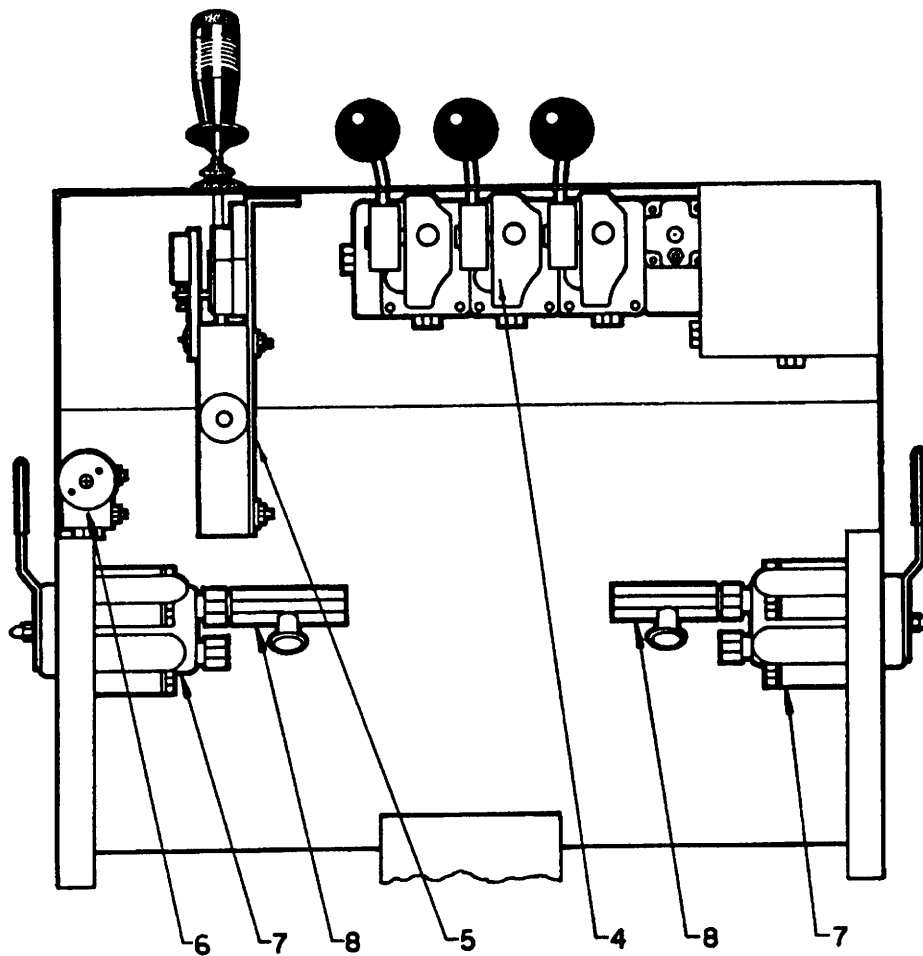
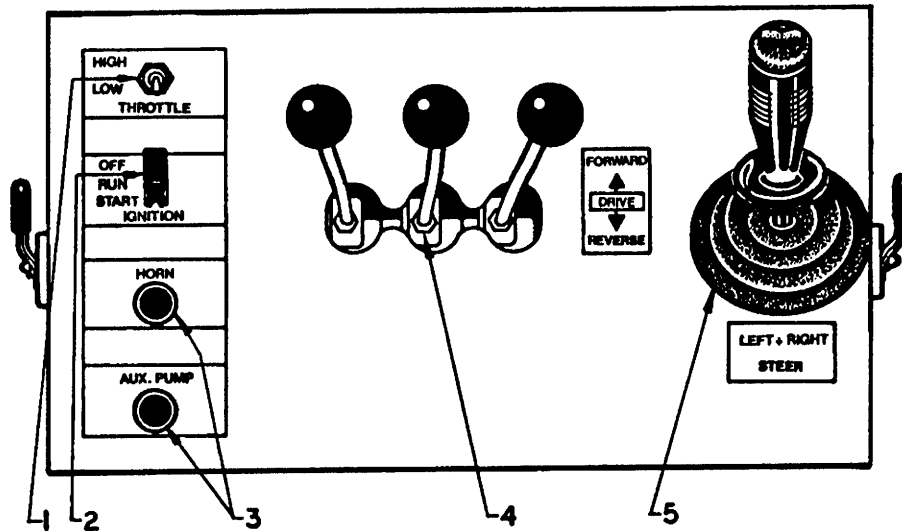
CAA-208491-2

C8.7

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CONTROL CONSOLE (FULL HYDRAULIC)

**PART
NO.**



TITLE

CONTROL CONSOLE (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 09/07/90

PART
NO.

PLATE
NO. C08.08

PARTS LIST

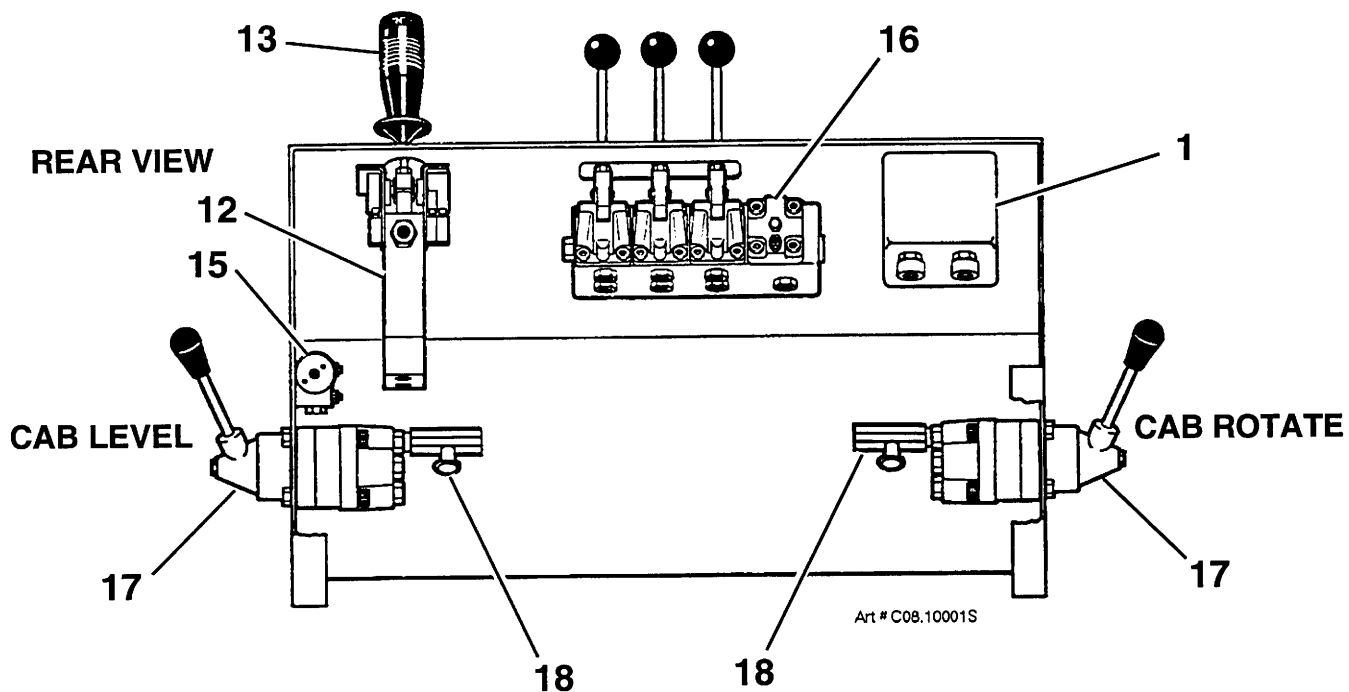
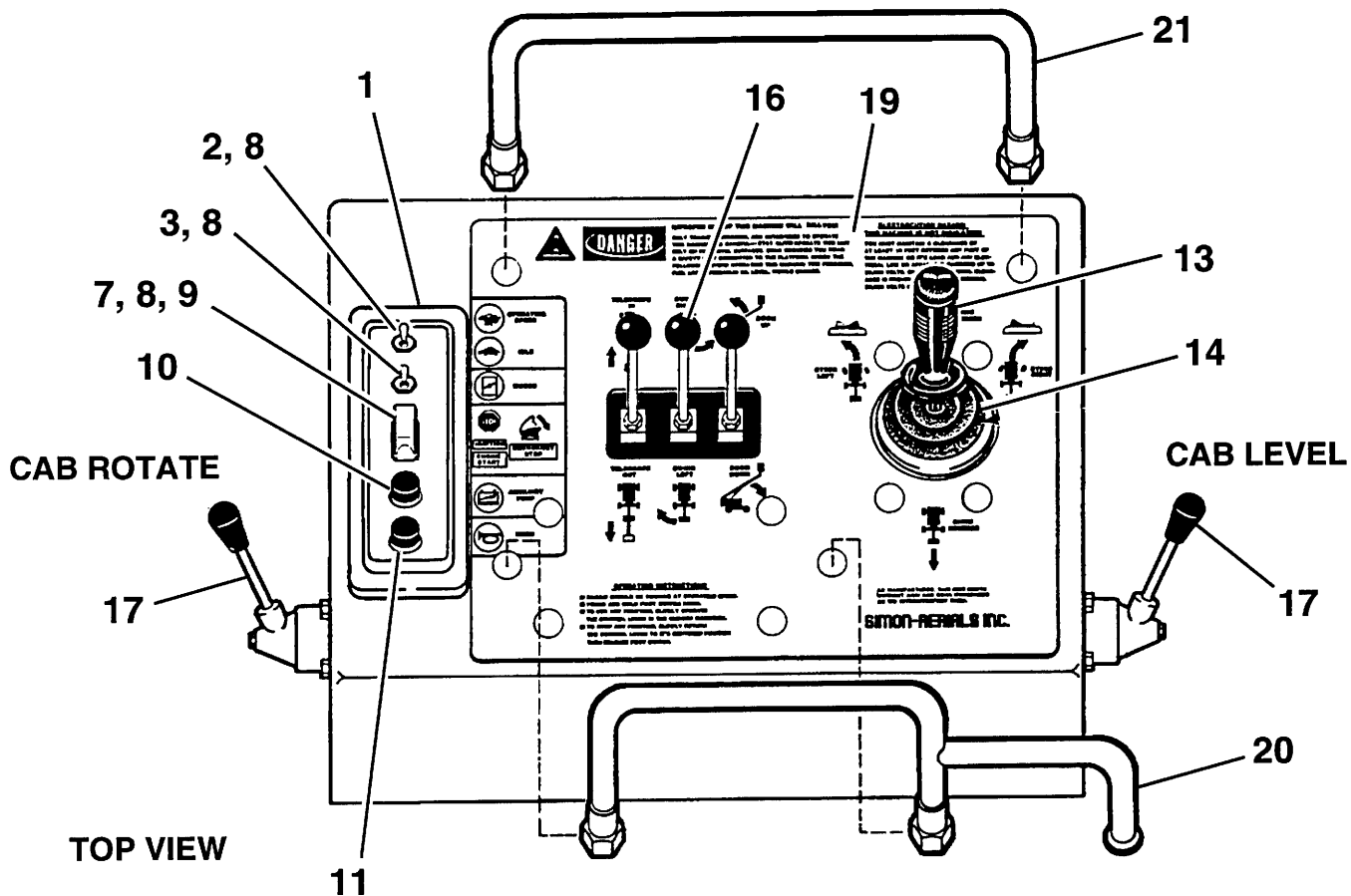
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	211 0650		BOX, PLATFORM ELECTRICAL CONTROL	1
2	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
3	03-020500		SWITCH, TOGGLE (Choke) (3 position, intermittent contact, single pole, double throw)	1
4	03-402500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

TITLE CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

PLATE NO. C08.10 **SIMON AERIALS INC.**

REV. 06 JUN., 1995

PART NO.



TITLE

CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 06 JUN., 1995

PART
NO.

PLATE
NO. **C08.10**

PARTS LIST

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

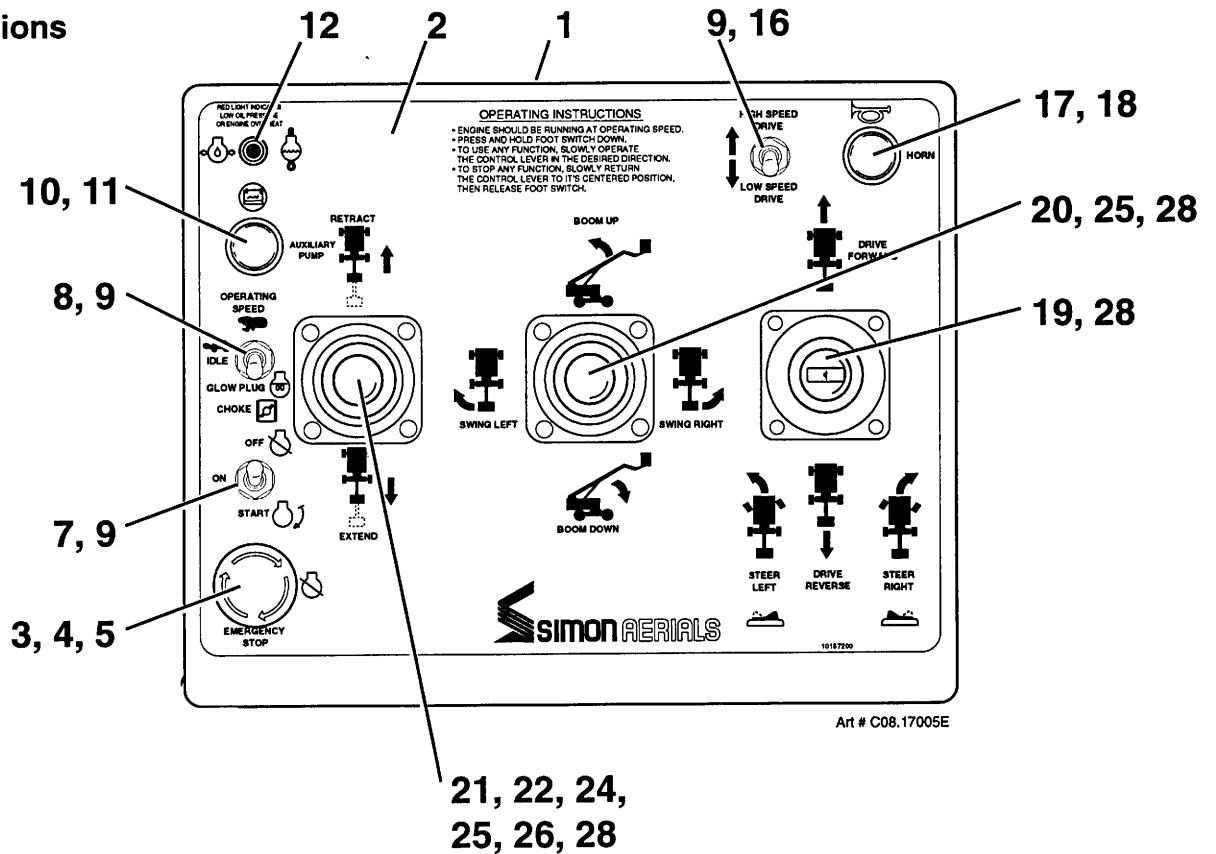
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (1 OF 4)

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

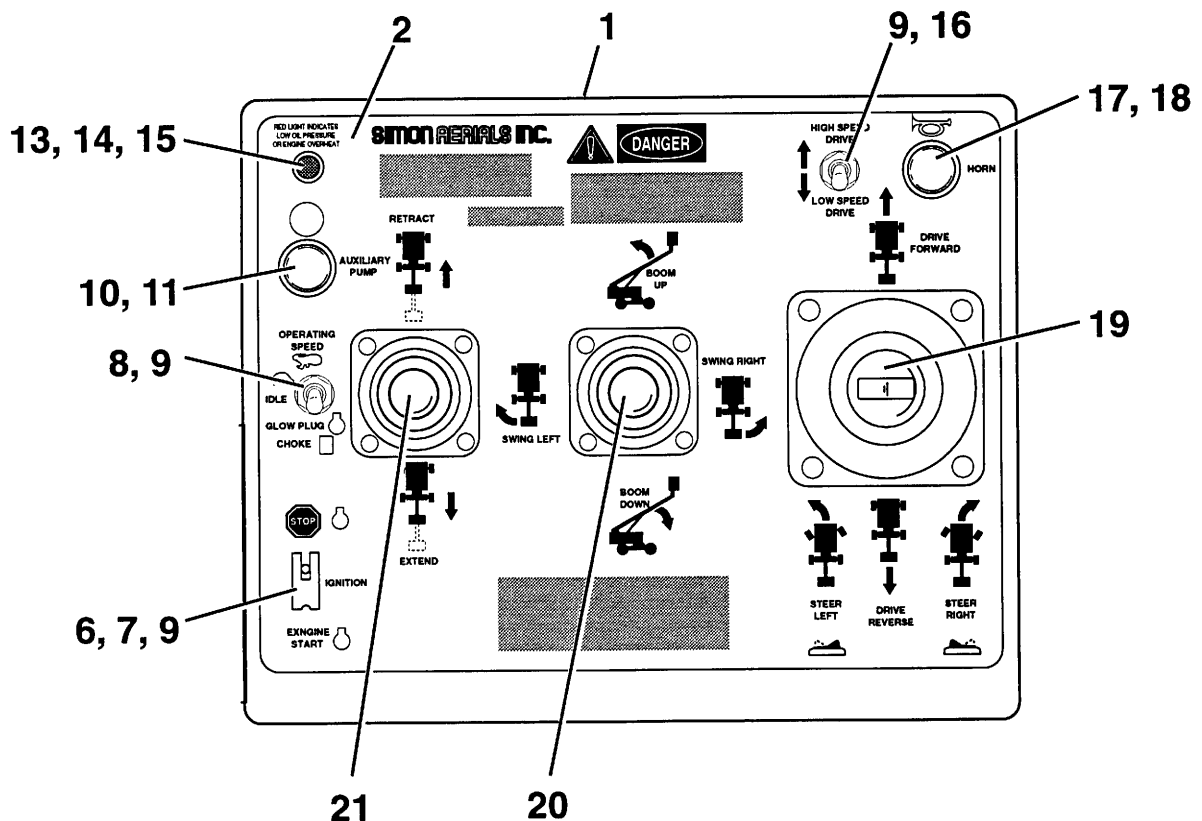
NEW 02 DEC., 1994

PART NO.

Later Versions



Earlier Versions



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

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

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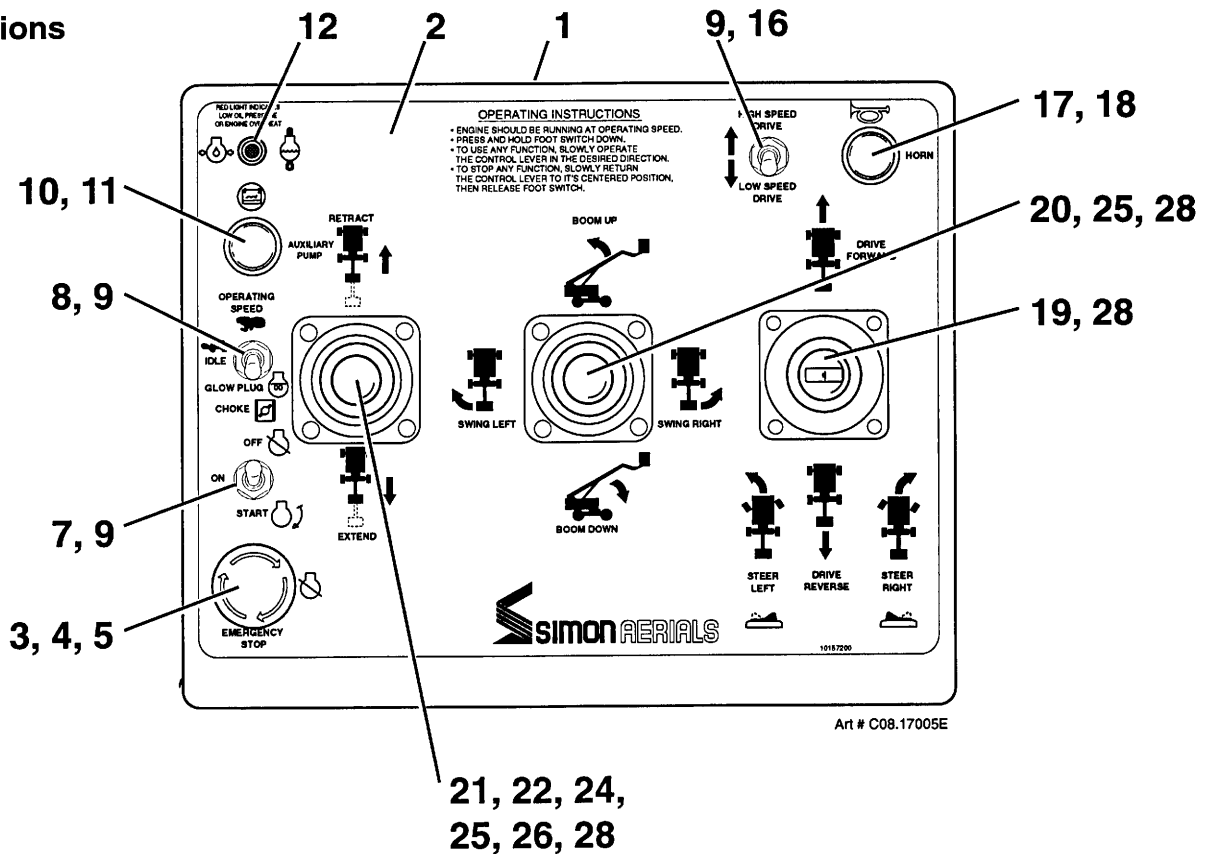
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (2 OF 4)

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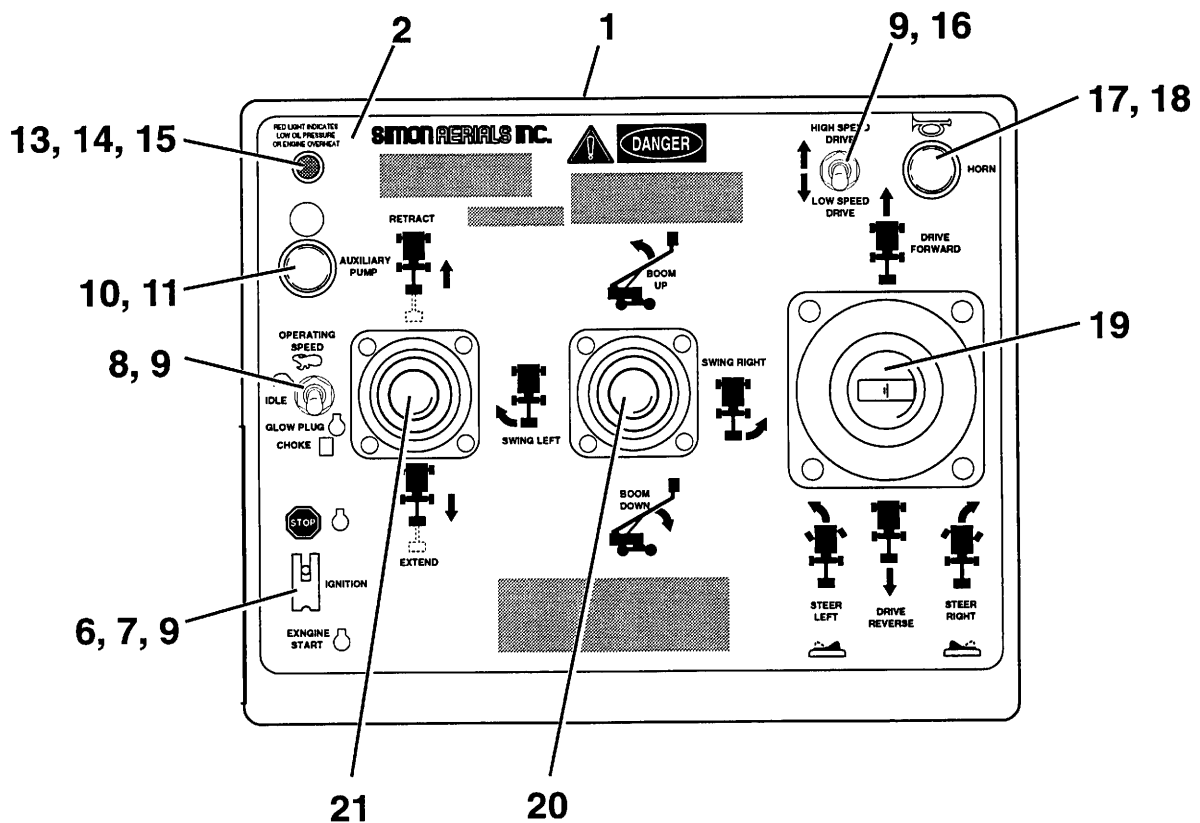
NEW 02 DEC., 1994

PART
NO.

Later Versions



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

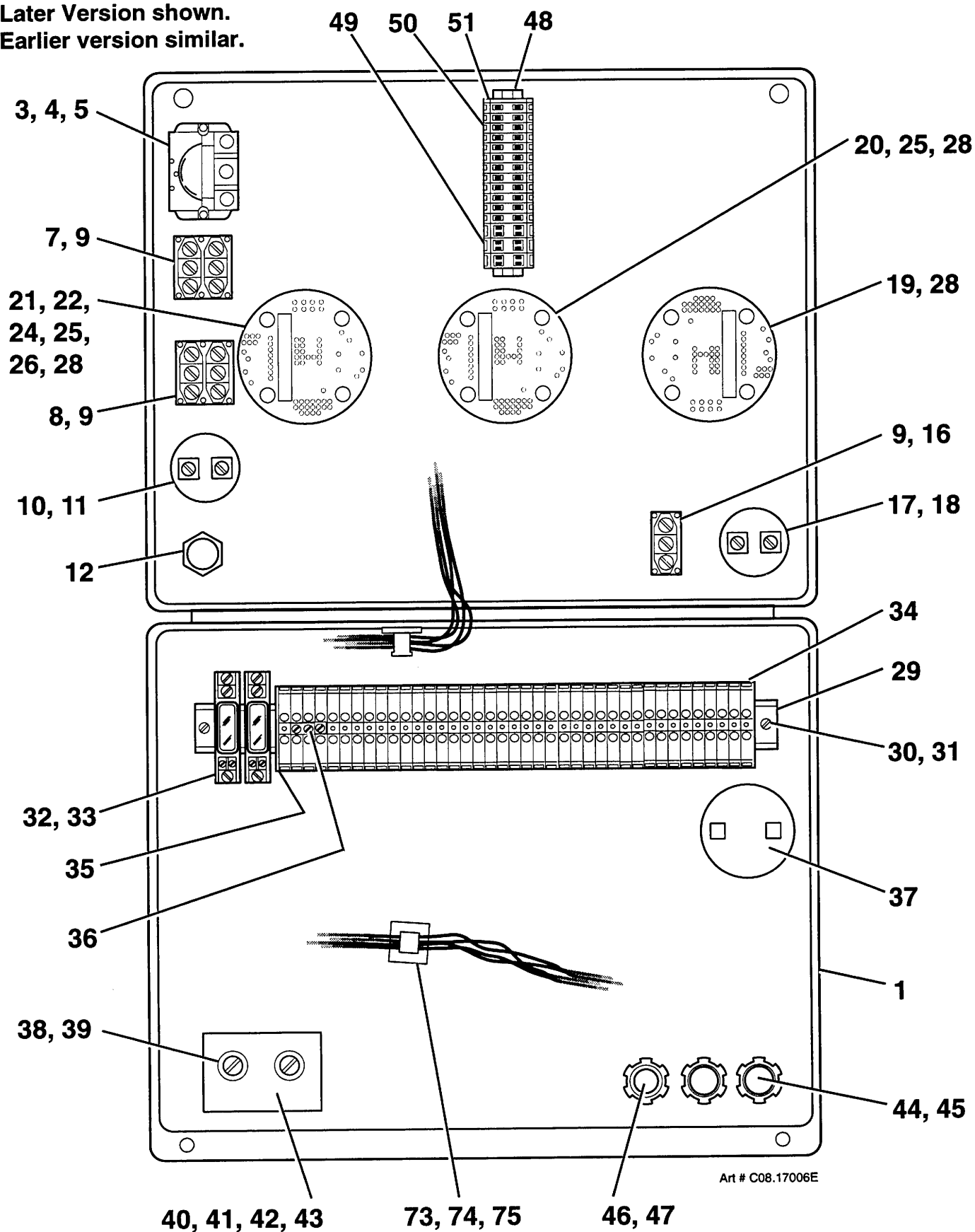
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (3 OF 4)

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

NEW 02 DEC., 1994

PART NO.

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

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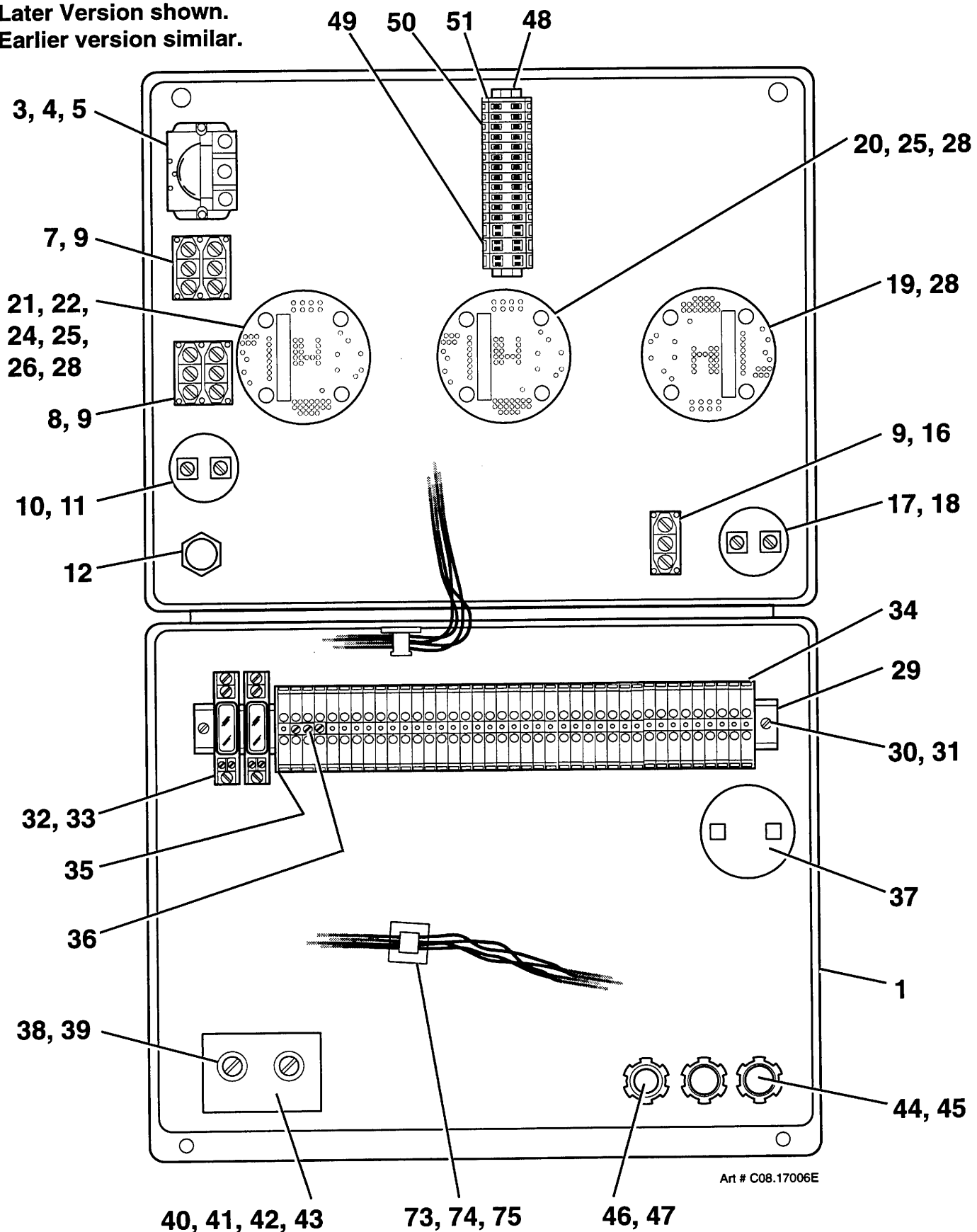
TITLE	PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (4 OF 4)
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PLATE NO.	C08.17	SIMON AERIALS INC.
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NEW 02 DEC., 1994

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.

C08.21

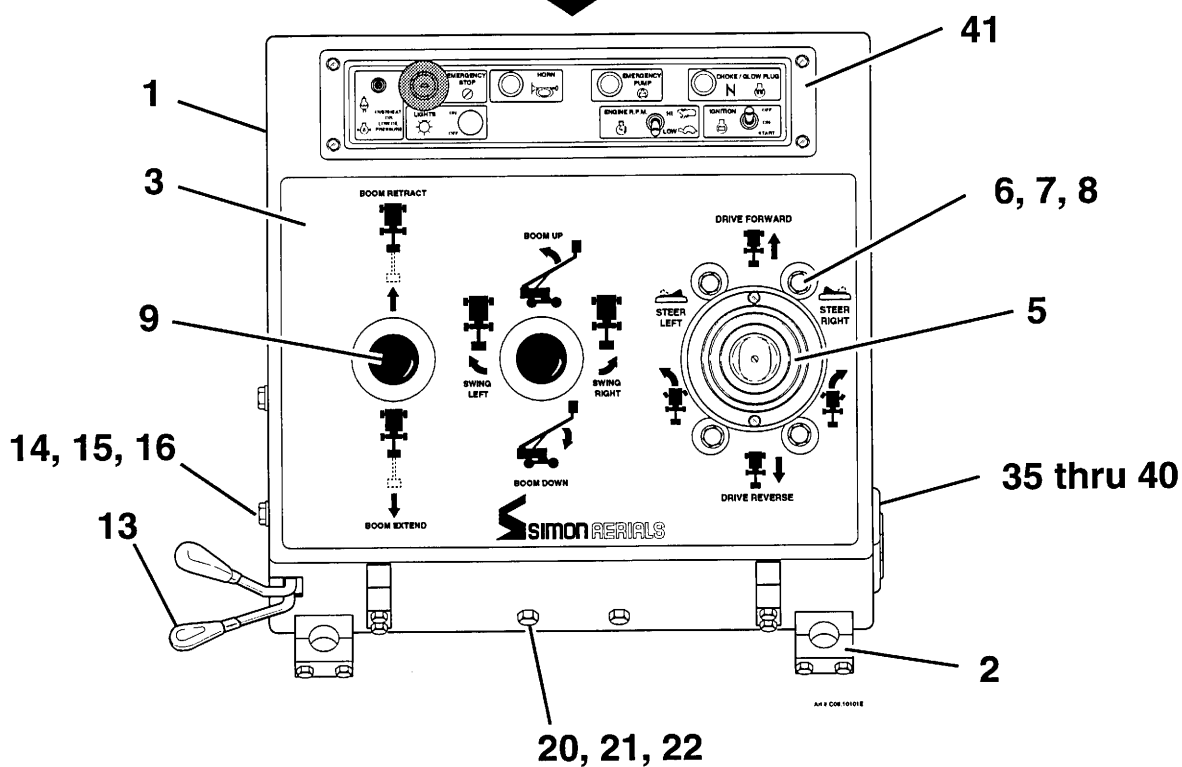
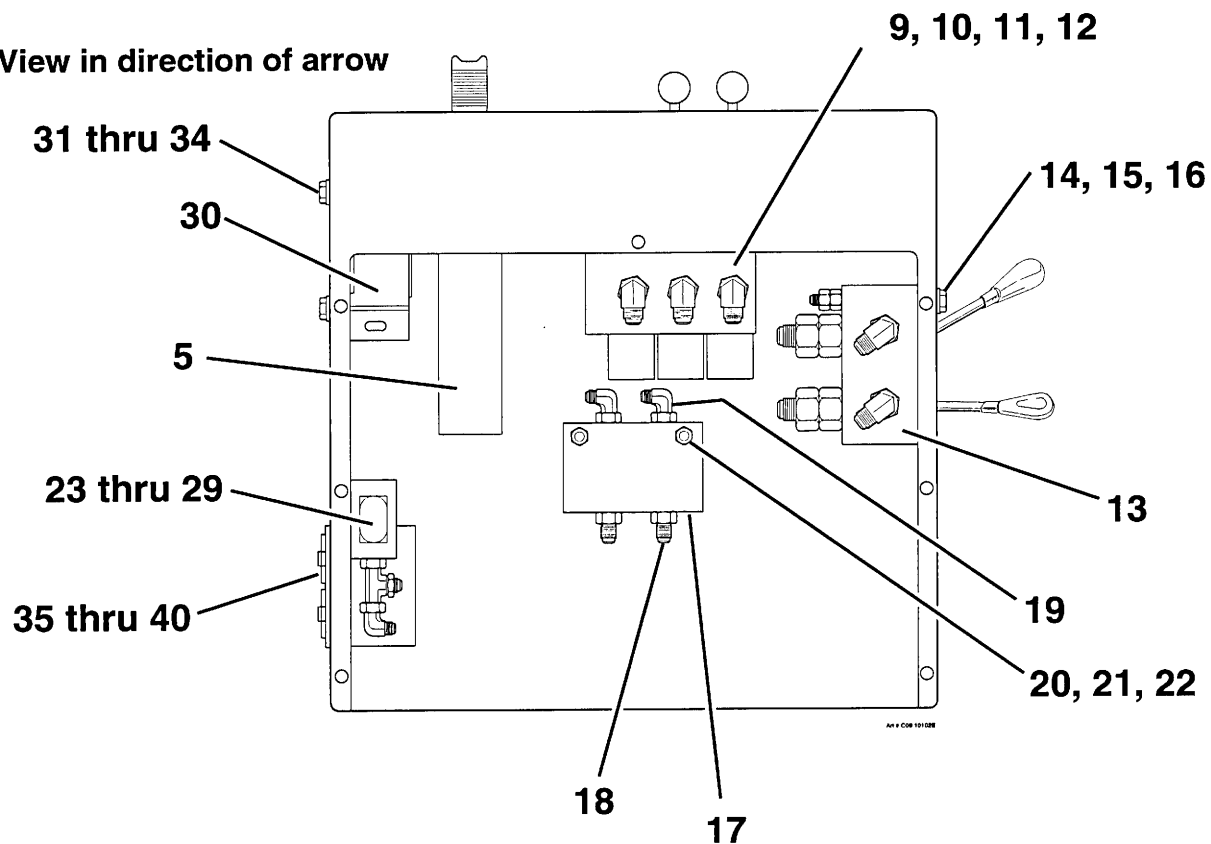
SIMON AERIALS INC.

REV. 07 SEP., 1995

PART
NO.

353 7020

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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	352 9460 353 7250		BOX ASSEMBLY, PLATFORM ELECTRICAL Type 1 (Emergency Stop area is red with white lettering) Type 2 (Emergency Stop area is yellow with red lettering)	1
42	219 9360		BOX, ELECTRICAL (Drilled. Includes cover and screws) 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	03-481200		DIODE, BLINKING (Red L.E.D.) (Engine warning) 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	03-496300		BLOCK, CONTACT (Normally closed) Used with Button 10-496000 (Red and silver)	1
	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.

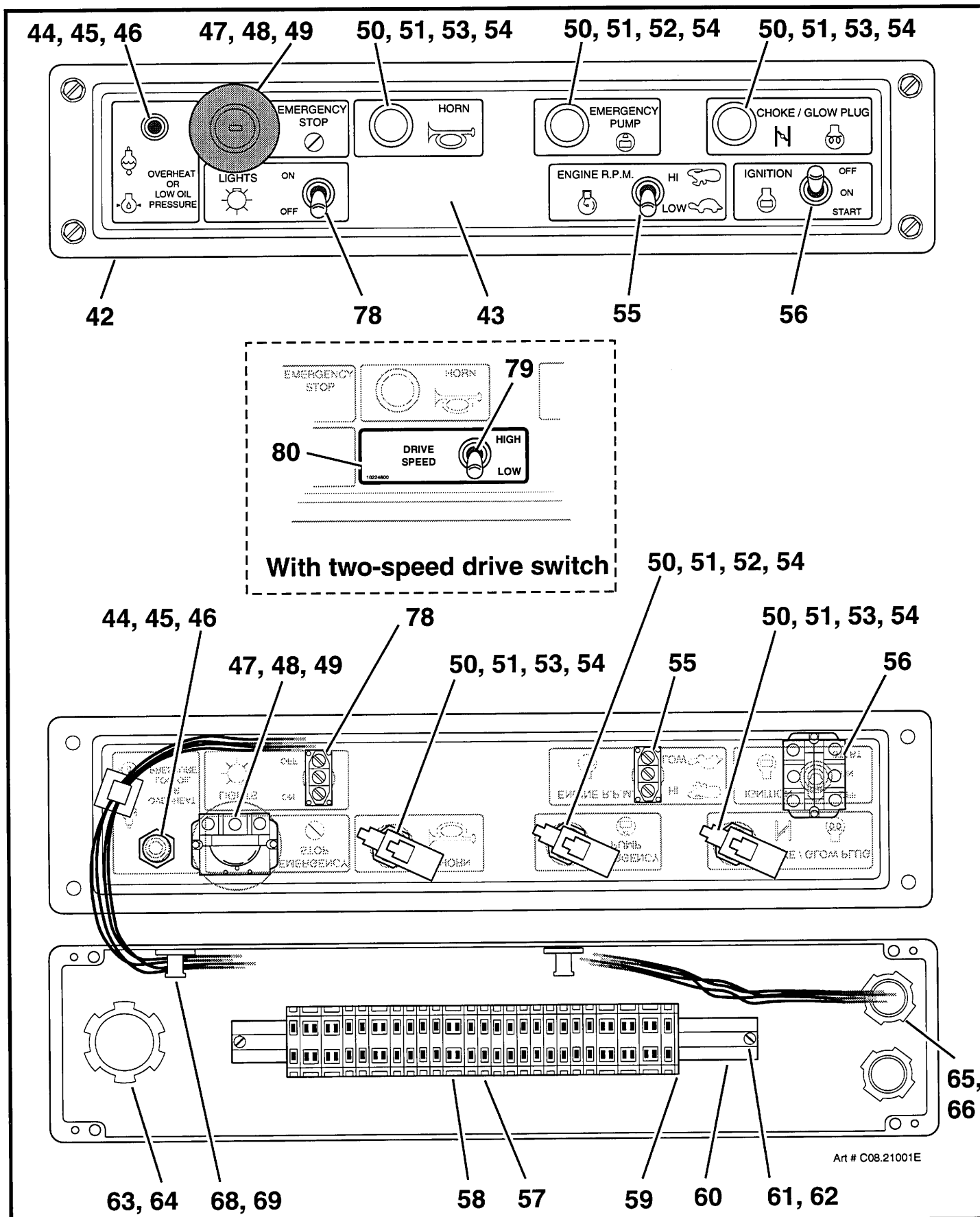
C08.21

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.
57	03-036400		BOX ASSEMBLY, PLATFORM ELECTRICAL (continued)	
58	03-036500		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19
59	03-036700		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8
60	03-036600		PLATE, TERMINAL BLOCK END	1
61	03-036600		RAIL, TERMINAL (1 M [39.37"] long section)	
62	07-011334		(9" [229 mm] long piece needed for this application)	1
63	07-050007		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
64	03-063200		NUT, STOP (#6-32, Grade 5)	2
65	03-055600		GRIP, CORD (3/4", sealing)	1
66	03-045500		NUT, CONDUIT LOCK (3/4")	1
67	03-055500		GRIP, CORD (1/2")	2
68	03-439000		NUT, CONDUIT LOCK (1/2")	2
69	03-064000		TIE, CABLE (3-5/8" [92 mm] long)	2
70	03-064100		TIE, CABLE (6-3/4" [171 mm] long)	20
71	03-091200		MOUNT, CABLE TIE (Adhesive backed)	5
72	03-092200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	9
73	03-092300		COUPLING, MALE (insulated, #14-#16 AWG)	4
74	03-099000		COUPLING, FEMALE (insulated, #14-#16 AWG)	10
75	03-497900		TERMINAL, BUTT (Blue, #14-#16 AWG)	1
76	07-013414		PLUG, PLASTIC (1/2" dia., "Panel seal", to fill unused toggle switch holes)	A.R.
77	07-050111		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	2
78	07-029365		NUT, STOP (#10-32, Grade 5)	2
79	03-020400		SCREW, TEK (#12-14 x 1", bonded, sealing head)	2
80	10-224800		SWITCH, TOGGLE (for optional lights) (2 position, maintained contact, single pole, single throw)	1
			SWITCH, TOGGLE (Drive speed) (Option) (2 position, maintained contact, single pole, single throw)	1
			DECAL, "DRIVE SPEED . . ." (for models with optional two-speed drive)	1

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

PLATE NO.

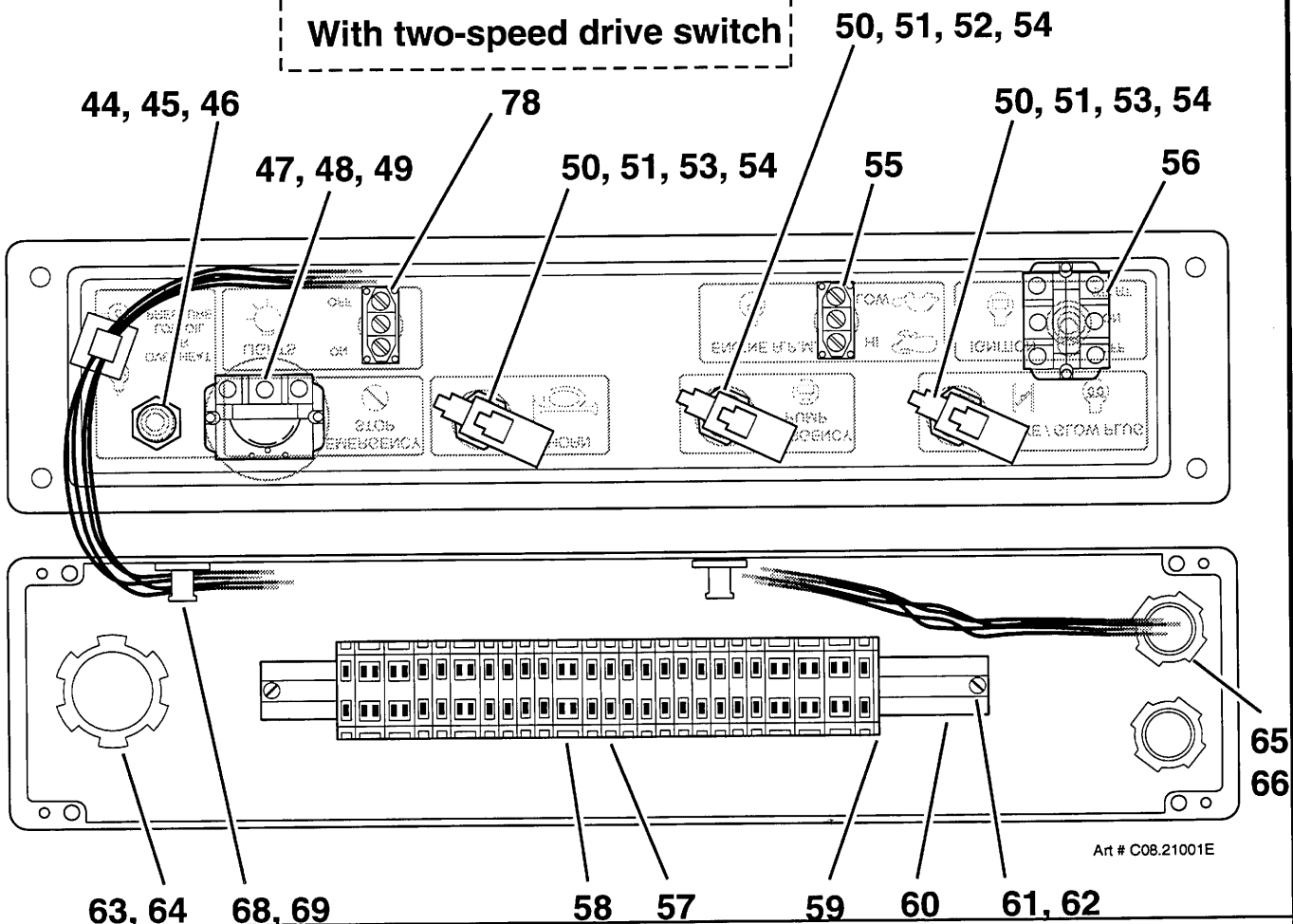
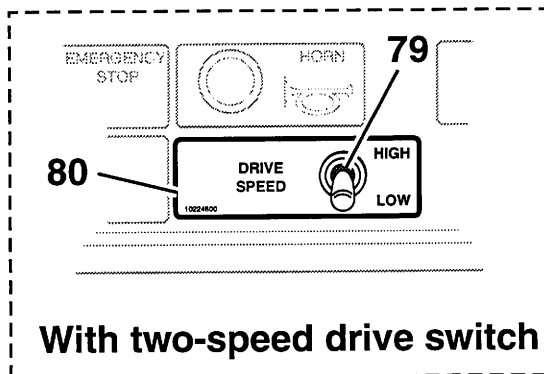
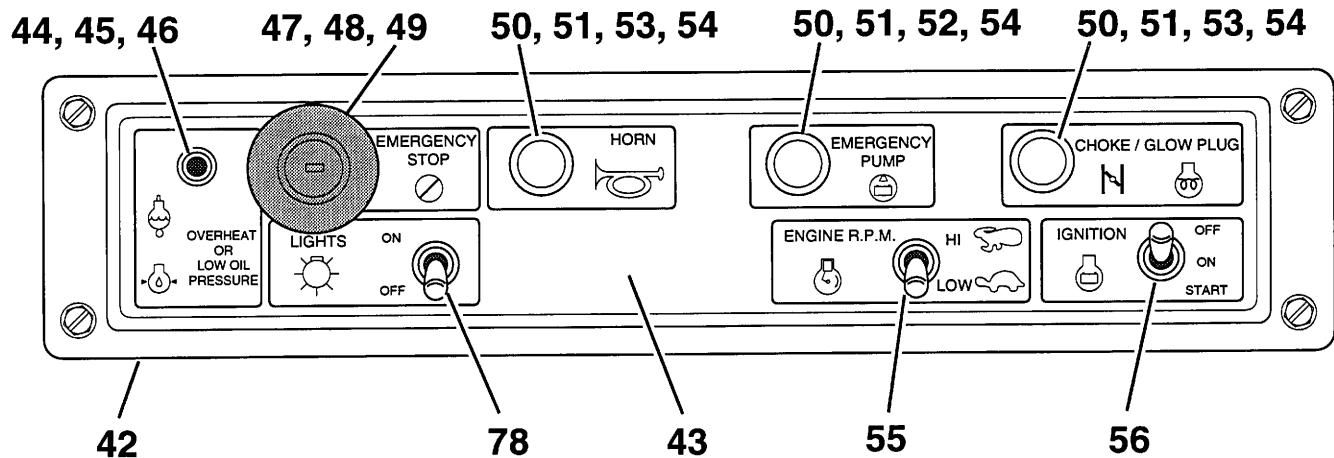
C08.21

SIMON AERIALS INC.

REV. 07 SEP., 1995

PART NO.

353 7020



Art # C08.21001E

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

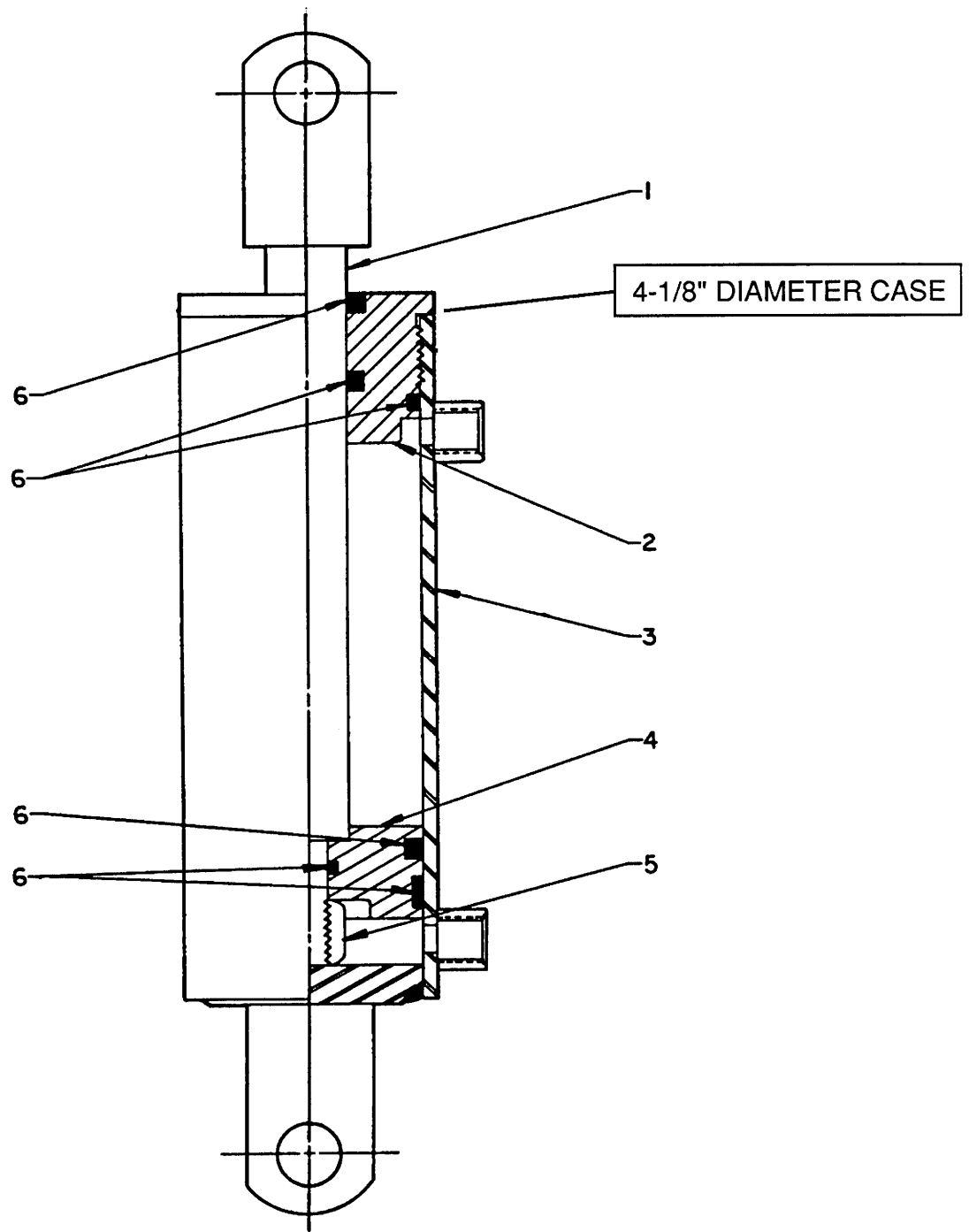
PARTS LIST

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STEER CYLINDER

SIMON AERIALS INC.

PART NO.	04-008900
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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
	2171750		Modified cylinder (with spacers installed), for . . . model MPH 60 , serial no. AKA 00101 and prior.	1
	2171750		model MP 80 , serial no. AEA 01389 and prior.	1
	2171750		model MP 80 , serial no. AEA 01391, 1392, 1393.	1
	2171750		some four wheel drive models MPH 80, MPE 95 or MPE 110 built in late 1990 (please consult factory, and provide serial number of your machine).	1
	Call Simon		some two wheel drive models MPE 110 (consult factory, and provide serial number of your machine).	1
2			BODY, CYLINDER	1
3	04-033202		ROD, CYLINDER	1
4			PISTON, [3-1/2" (88.9 mm) dia.]	1
5			GUIDE, PISTON ROD	1
6			NUT, LOCK (7/8"-14) (replaced by item 21 some models)	1
7	04-033201		SEAL KIT	1
8			O-RING	1
9			SEAL	1
10			WASHER, BACKUP	1
11			O-RING	1
12			WASHER, BACKUP	1
13			O-RING	1
14			RING, PISTON	1
15			RING, RETAINING (interior)	1
16			RING, RETAINING (exterior)	1
17			WIPER, ROD	1
18	04-035305		ROD CLEVIS	1
19			CAP SCREW, HEX HEAD (3/8"-16 x 3/4")	1
20			NUT, HEX (3/8"-16)	1
			The following items are required on certain units (see above):	
21	2171720		SPACER, BASE (replaces lock nut, item 6) [1-5/8" (41 mm) long] for cylinder assembly 2171750	1
	2178280		[1-9/16" (40 mm) long] for cylinder assembly "Call Simon"	1
22	2171740		SPACER, ROD [.63" (16 mm) thick] for cylinder assembly 2171750	1
	2178300		[.63" (16 mm) thick] for cylinder assembly "Call Simon"	1

TITLE STEER CYLINDER

PLATE NO. **D01.10** **SIMON AERIALS INC.**

REV. 13 MAY, 1994

PART NO.

TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 13 MAY, 1994

**PART
NO.**

PLATE NO.	D01.10
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PARTS LIST

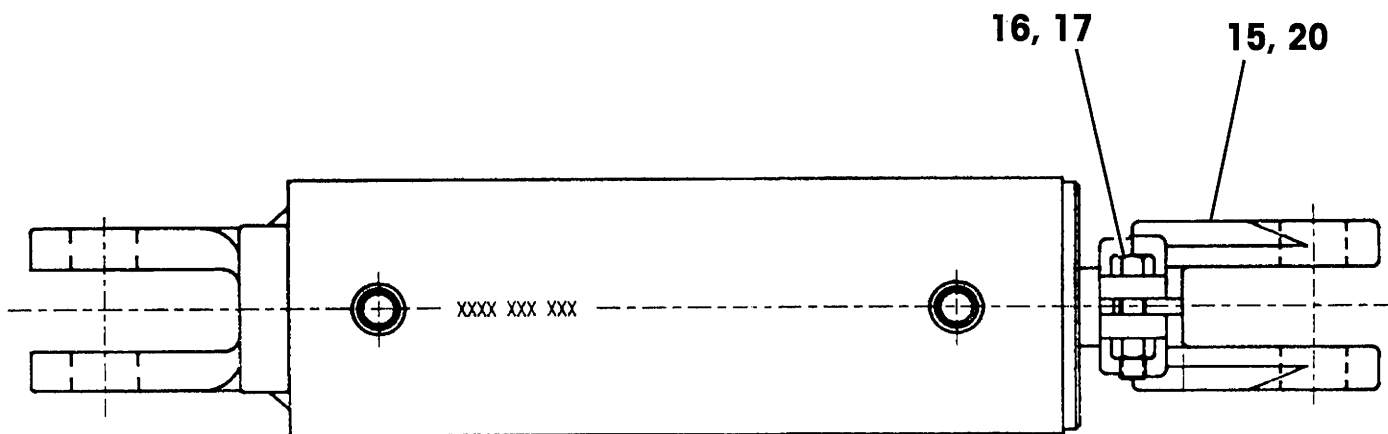
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			STEER CYLINDER ASSEMBLY (7-1/2" [190 mm] stroke, 3-1/2" [89 mm] bore, 1-1/4" [31.8 mm] rod, [2] 9/16"-18 UNF "O"-Ring ports).	
	04-035300		Standard cylinder, for all models except as listed below.	1
	232 8190		Modified cylinder (drilled for "L" shaped keeper pins), for models MPH 80, MP 95, MP 110 after Jan., 1994.	1
	217 4010		Modified cylinder (with spacers installed), for models MPH 60, MP 60Z, MP 70 or MP 80, and all four wheel drive versions.	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 for 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 for 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	217 1710		SPACER, BASE (replaces lock nut, item 6) (1-3/16" [30 mm] long) for cylinder assembly 217 4010	1
19	217 1730		SPACER, ROD (.19" [4.8 mm] thick) for cylinder assembly 217 4010	1
20	No part #		CLEVIS, ROD (04-035305 drilled for keeper pin, for cylinder 232 8190. Please specify modified clevis required.)	1

TITLE

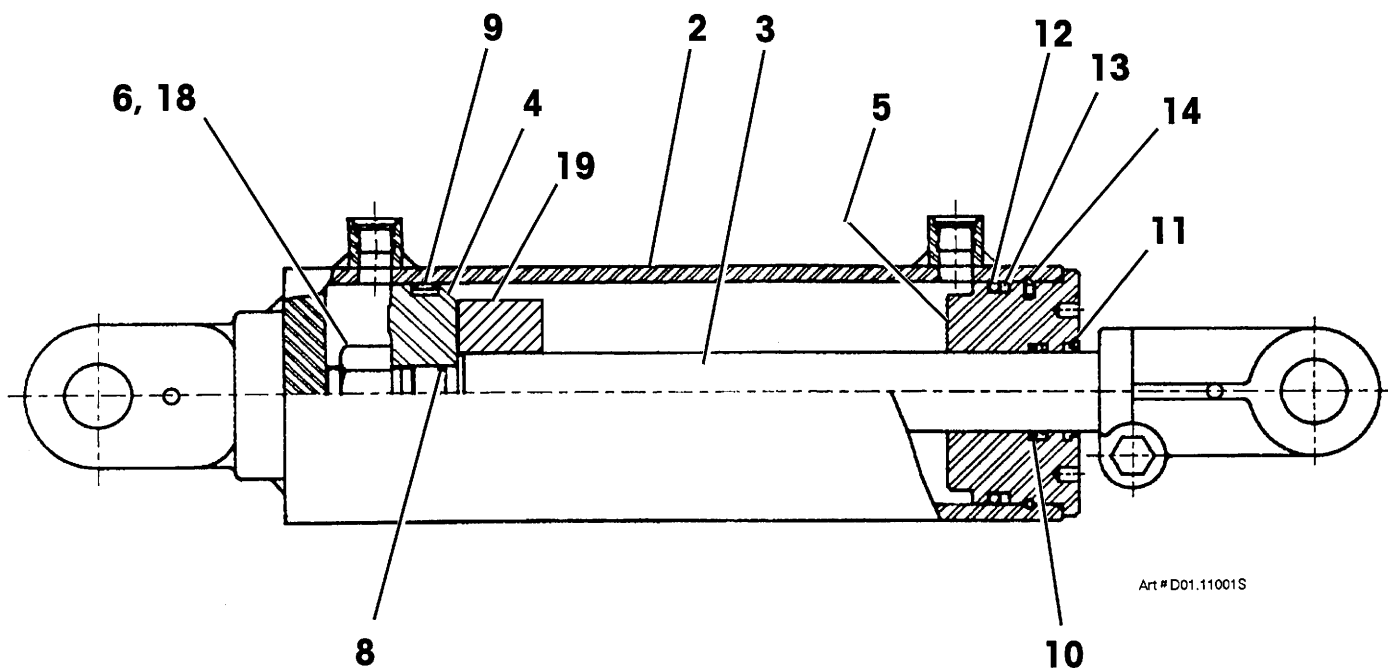
STEER CYLINDER

SECTION **D01.** PLATE NO. **11** PAGE **01** REV. **-** DATED **15 JUN, 1994** PART NO.

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



Art # D01.11002S



Art # D01.11001S



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

STEER CYLINDER

PART
NO.

REV.
-

DATED
15 JUN, 1994

SECTION

D01.

PLATE NO.

11

PAGE

01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-008700 235 1600		HYDRAULIC SWIVEL For all versions except as listed below For Model RP 86	1
2			HOUSING, HYDRAULIC SWIVEL	1
3			SPOOL	1
4			RETAINER PLATE	1
5	04-008703 236 0930		ARM, TORQUE Standard 8" (203 mm) long arm for Swivel 04-008700 4" (102 mm) long arm for Hydraulic Swivel 235 1600	2
6	04-008702		SERVICE KIT, HYDRAULIC SWIVEL Note: Items in service kit identified by asterisk (*).	1
7*			"O"-RING	2
8*			RING, WEAR	1
9*			RING, WEAR	1
10*	04-008701		SEAL KIT (consists of [7] "O"-Rings and [7] Slipper seals)	1
11	04-008704		CAP SCREW, SOCKET HEAD	4
12			CAP SCREW, SOCKET HEAD	4
13			WASHER, LOCK	4
			The following item is not included with Hydraulic Swivel 04-008700, but replaces Item #5 in some applications:	
14	210 1030		STOP, SWIVEL	2
			The following items are not included with Hydraulic Swivel 04-008700 or 235 1600:	
15	06-192200		HOSE FITTING (S2102-8-8) (For center port on some versions of Model MP 80 and smaller)	1
16	06-071400		REDUCER, PIPE THREAD (3/4 x 1/2 PTR-S) (For center port on Model MPH 80, MP 95, MP 110 and RP 120)	1

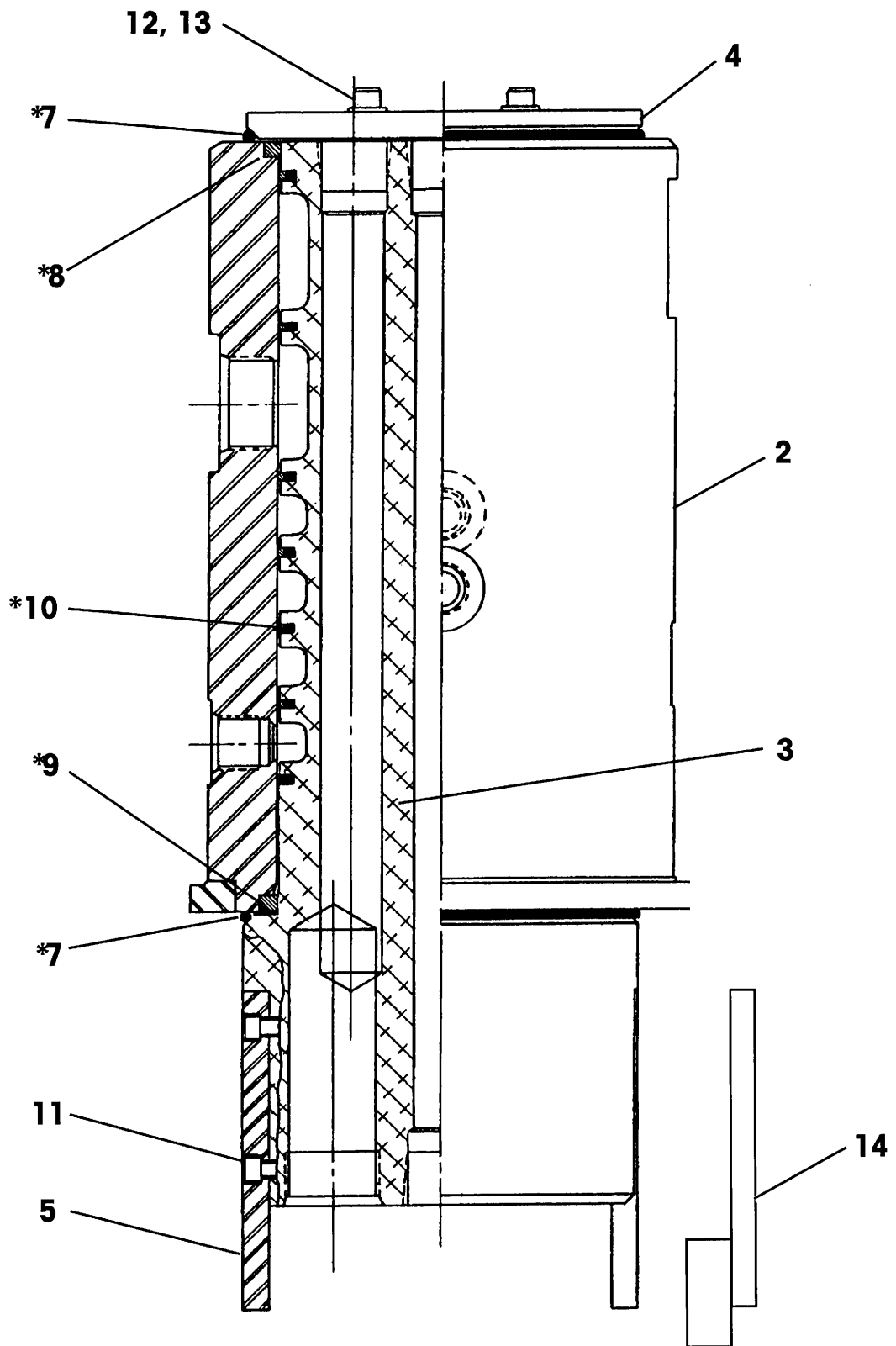
TITLE

HYDRAULIC SWIVEL

SECTION **D02.** | PLATE NO. **01** | PAGE **01**

REV. - | DATED 22 APR., 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



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



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 SWIVEL

PART
NO.

REV.

DATED
22 APR., 1996

SECTION

D02.

PLATE NO.

01

PAGE

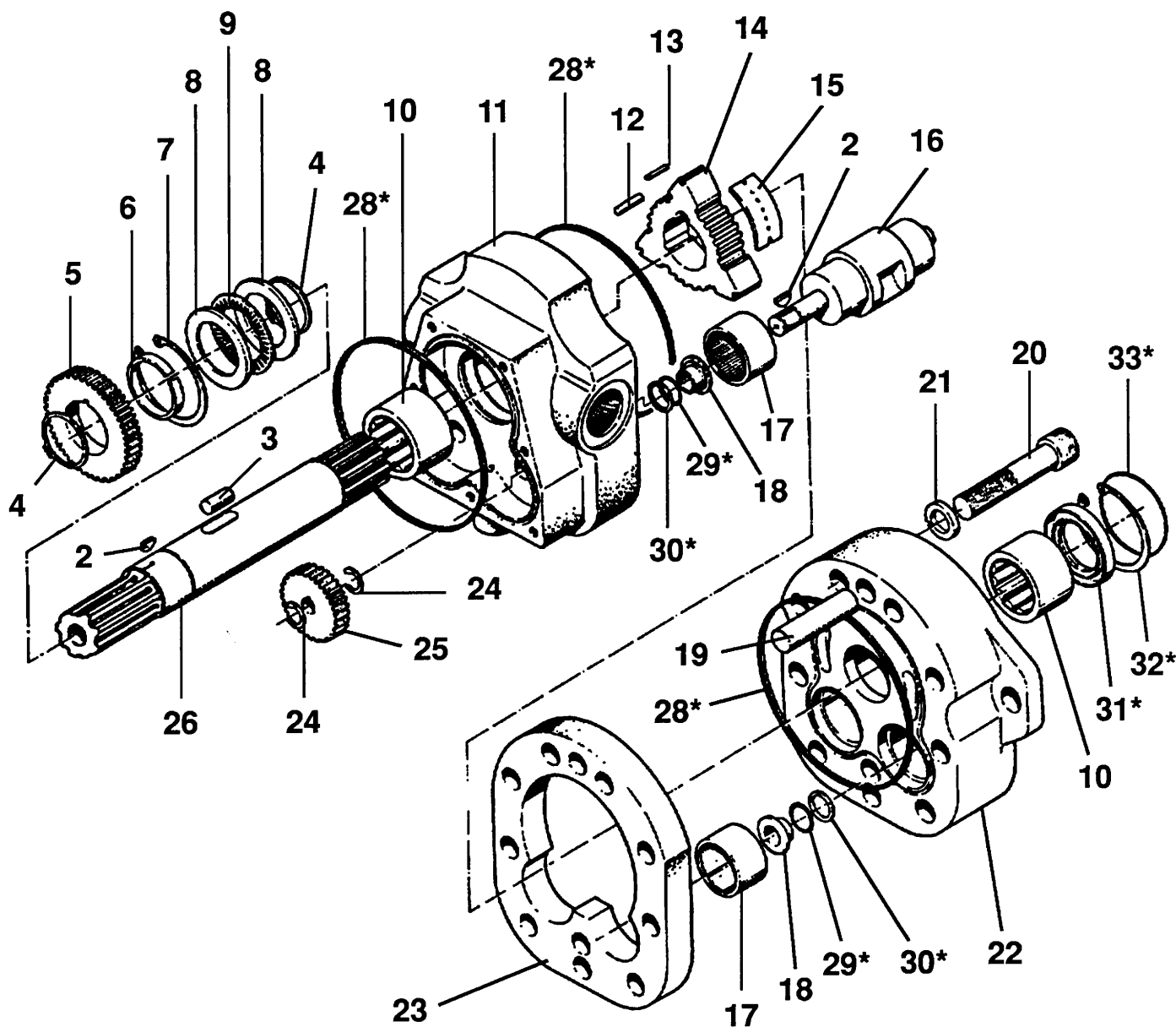
01

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
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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

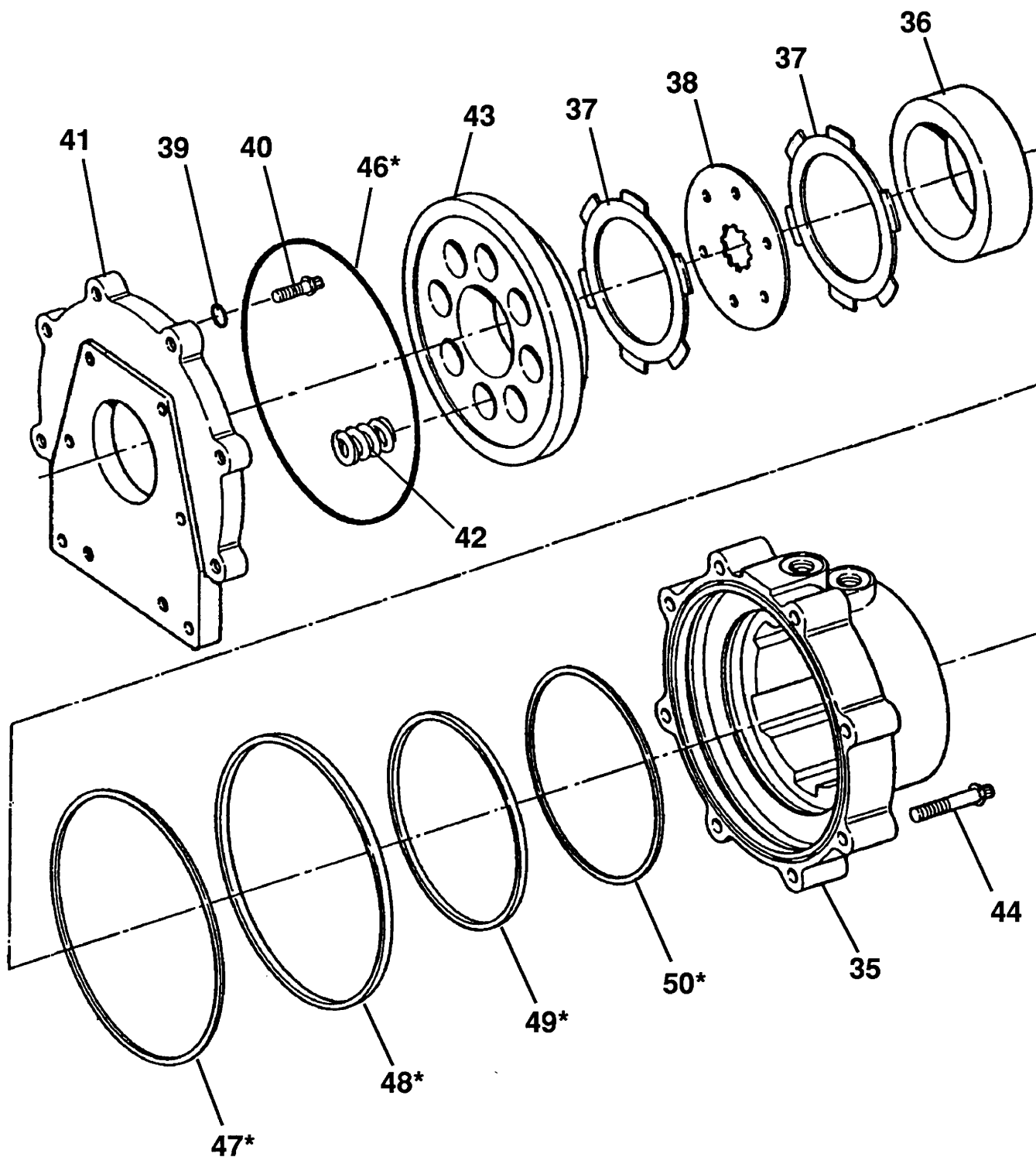
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TITLE WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

PLATE NO.	D03.02	SIMON AERIALS INC.
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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.

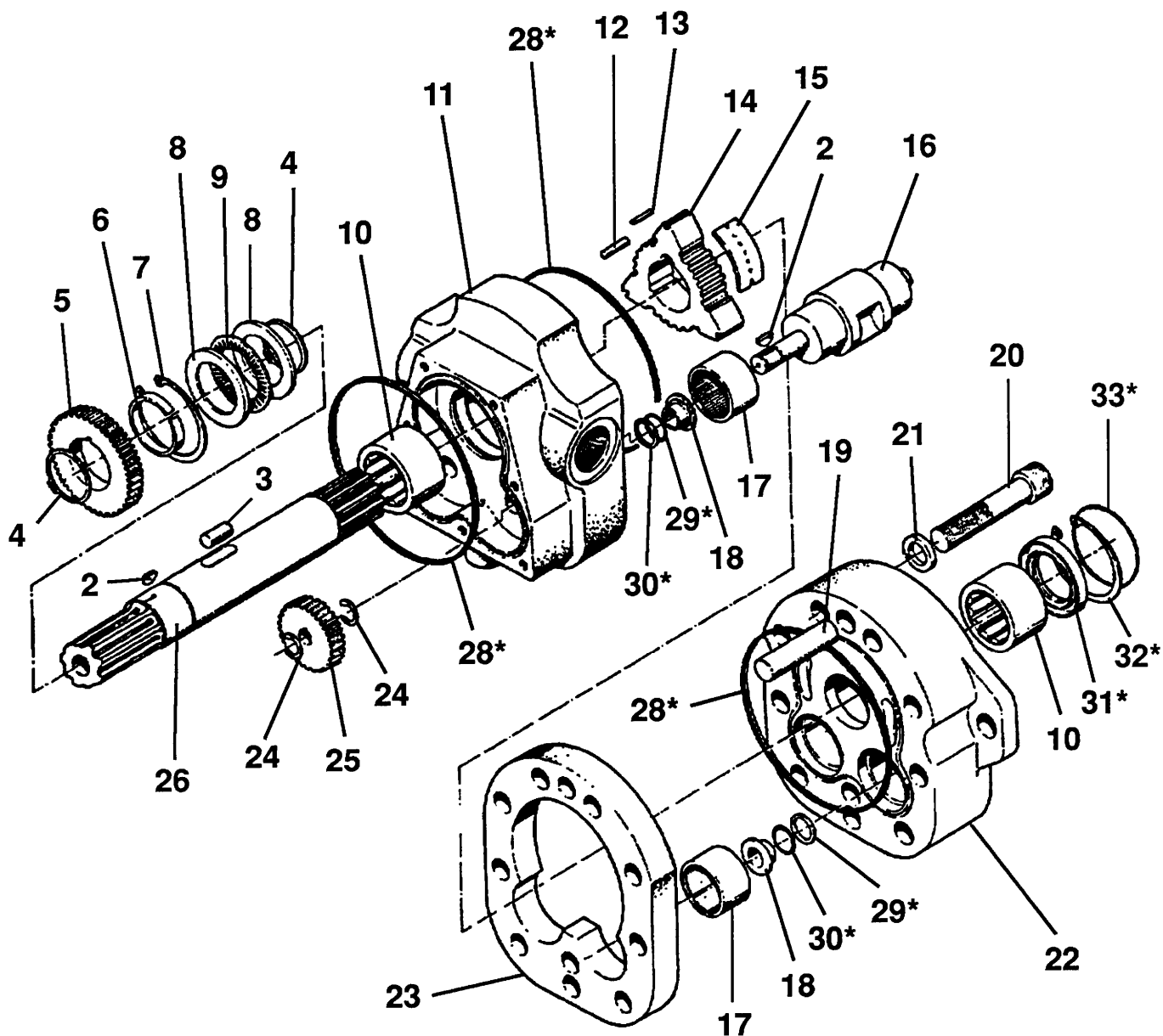
D03.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3			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			CAP, END (Rear)	1
12			ROLLER, TIP SEAL [3" (76.2 mm) long]	3
13			ROLLER, BODY SEAL [3" (76.2 mm) long]	18
14			ROTOR [3" (76.2 mm) wide]	1
15			PLATE, SEAL [3" (76.2 mm) wide]	3
16			VALVE, ABUTMENT	2
17	01-000438		BEARING, NEEDLE	4
18	01-000425		BEARING, STEP	4
19			PIN, DOWEL	2
20			CAP SCREW, SOCKET HEAD	9
21			WASHER, HELICAL LOCK	9
22	01-000440		CAP, END (Front) (SAE "B")	1
23			HOUSING, DISPLACEMENT	1
24	01-000442		RING, RETAINING	4
25	01-000420		GEAR, PINION	2
26			SHAFT, MOTOR (Spline both ends, for use with brake)	1
27			SEAL KIT, MOTOR	1
			Note: Items included in seal kit marked by asterisk (*)	
28			SEAL, OIL	3
29			"O"-RING	4
30	01-000428		RING, BACK UP	4
31			SEAL, SHAFT	1
32	01-000445		RING, RETAINING	1
33			"O"-RING	1

TITLE WHEEL MOTOR/ BRAKE (MOTOR, 5 IN.³, PLATE 1 OF 2)

PLATE NO.	D03.09	SIMON AERIALS INC.	REV. 7/19/91	PART NO.	01-064200
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TITLE WHEEL MOTOR/ BRAKE (MOTOR, 5 IN.³, PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-064200

PLATE
NO.

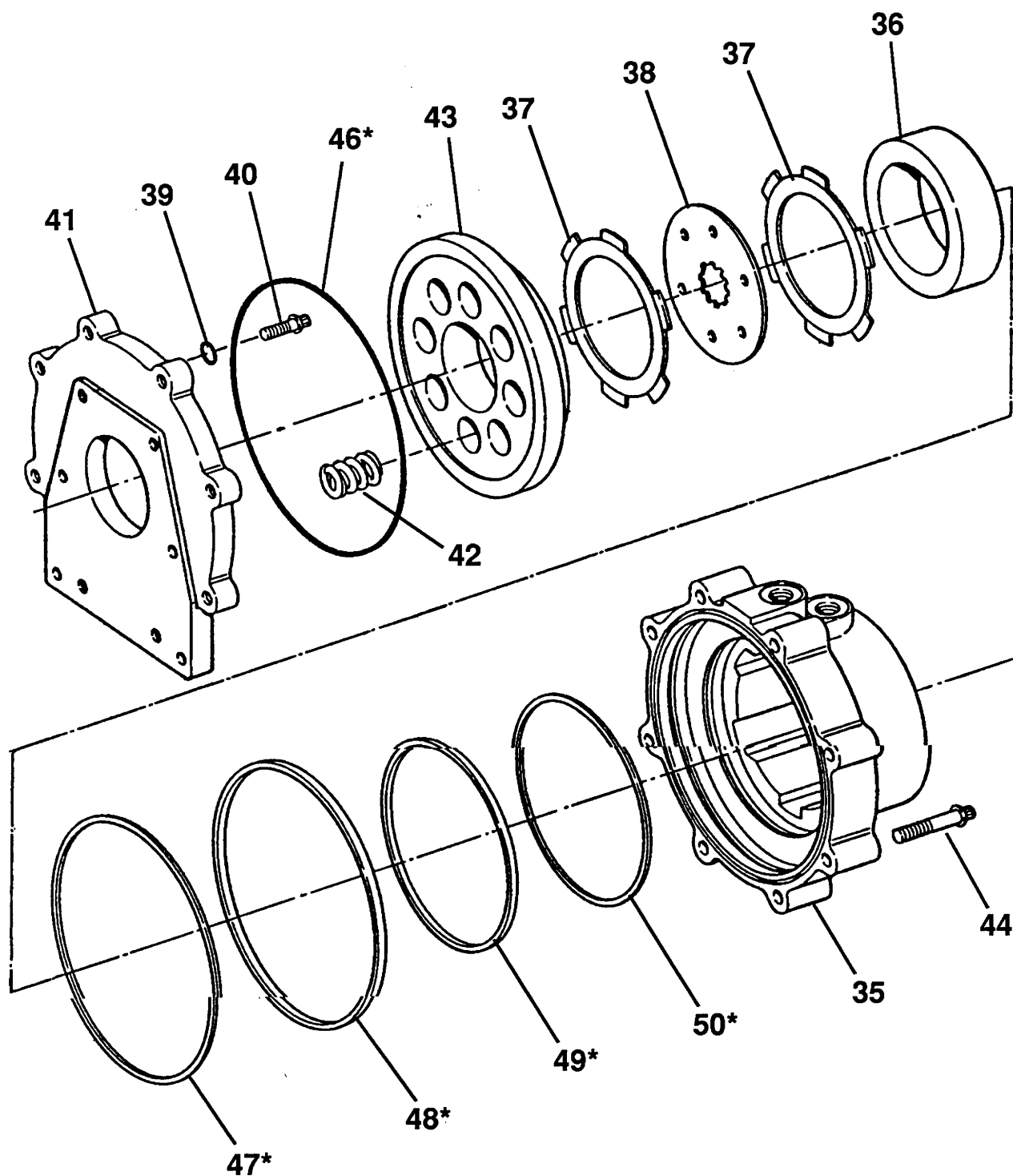
D03.09

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

PLATE NO. D03.09	SIMON AERIALS INC.	REV. 7/19/91	PART NO. 01-064200
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REV. 7/19/91



TITLE

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

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

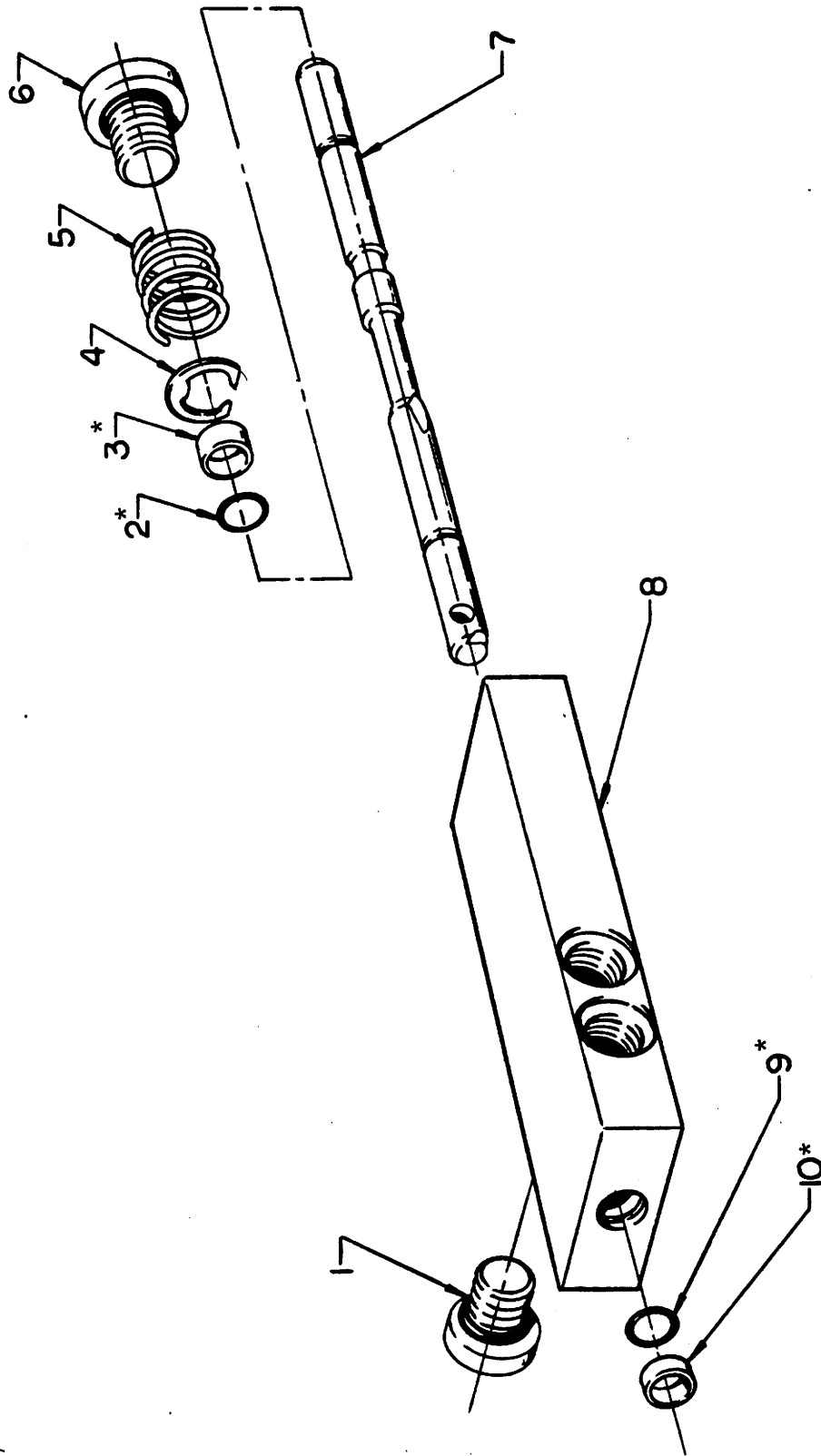
01-064200

PLATE
NO.

D03.09

PARTS LIST

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



NOTE:
*SEAL KIT P/N 01-000901

0484/0383

DESCRIPTION

HPC VALVE

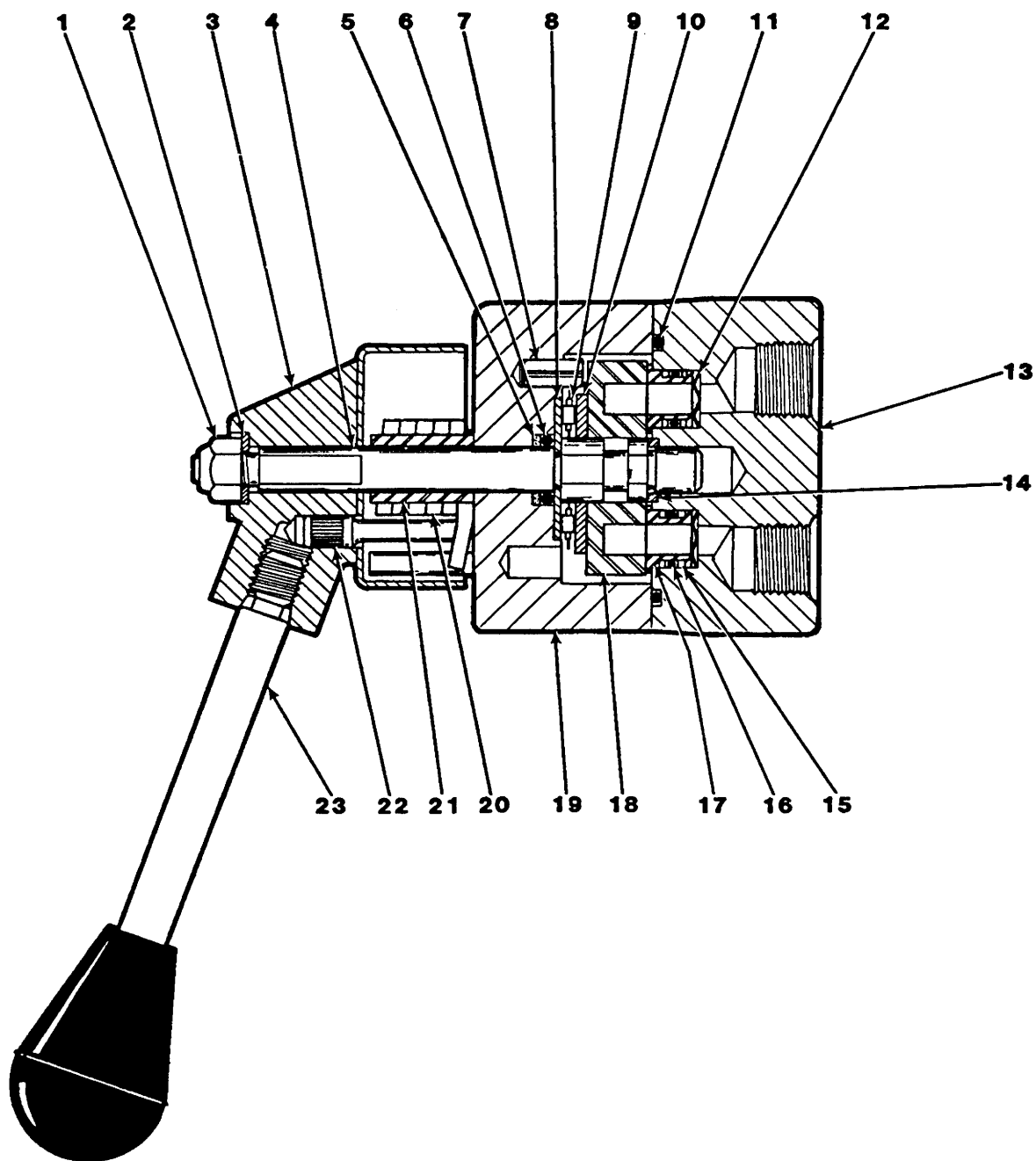
PART NO.

01-004700

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4-WAY MANUAL CONTROL VALVE

01-069800



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

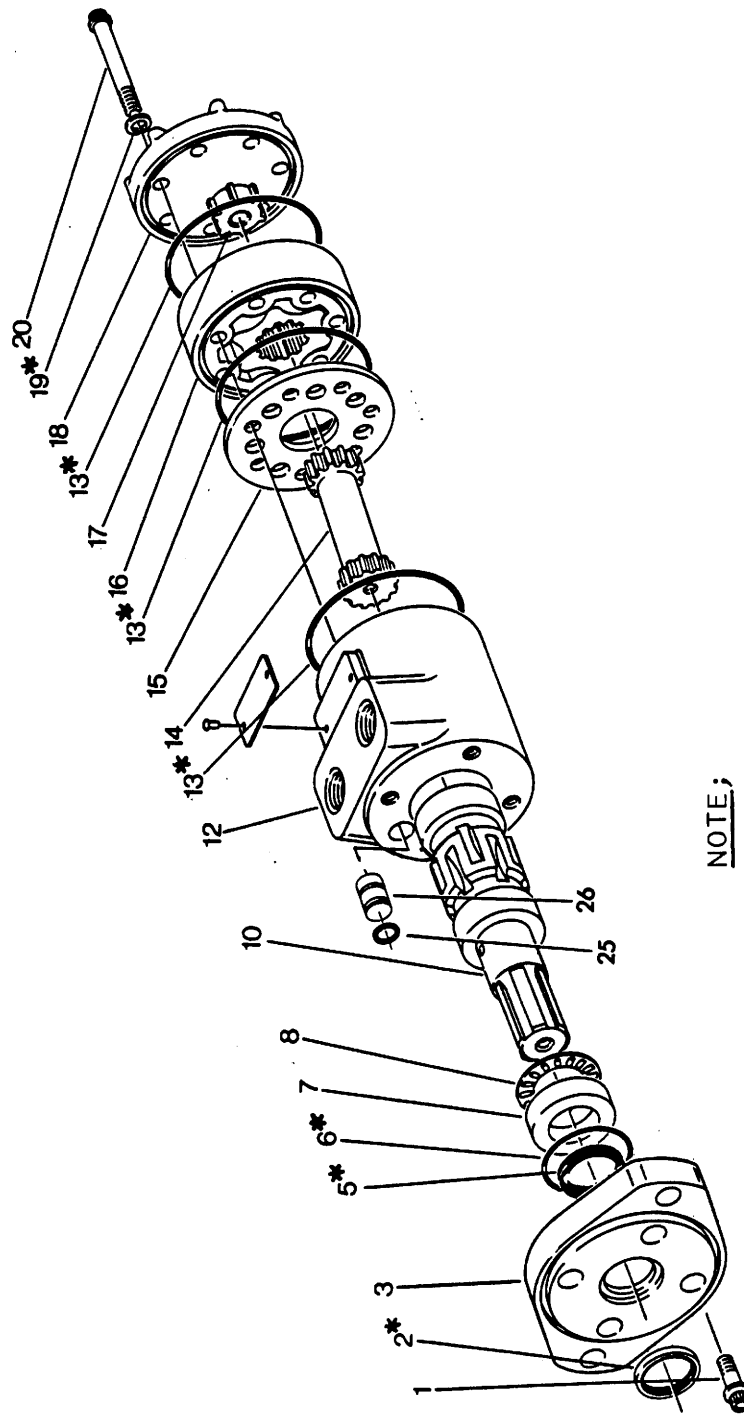
01-069800

PLATE
NO.

D05.05

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.		
1	01-002301		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		
*			SEAL KIT	1		
DESCRIPTION			PART NO.			
SWING MOTOR			01-009100			



NOTE;

* SEAL KIT P/N 01-002301

0484/0882

DESCRIPTION

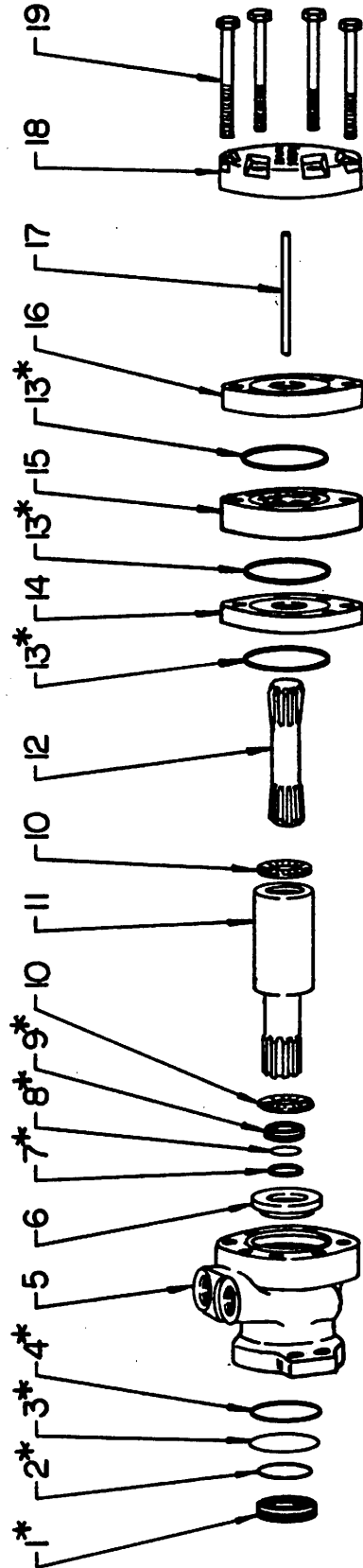
SWING MOTOR

PART NO.

01-009100

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1*	01-011601		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
*	SEAL KIT	1		
DESCRIPTION			PART NO.	
SWING MOTOR			01-011600	



NOTE:

* SEAL KIT P/N 01-011601

0984/0784

DESCRIPTION

SWING MOTOR

PART NO.

01-011600

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
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REV. 08 OCT., 1993

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

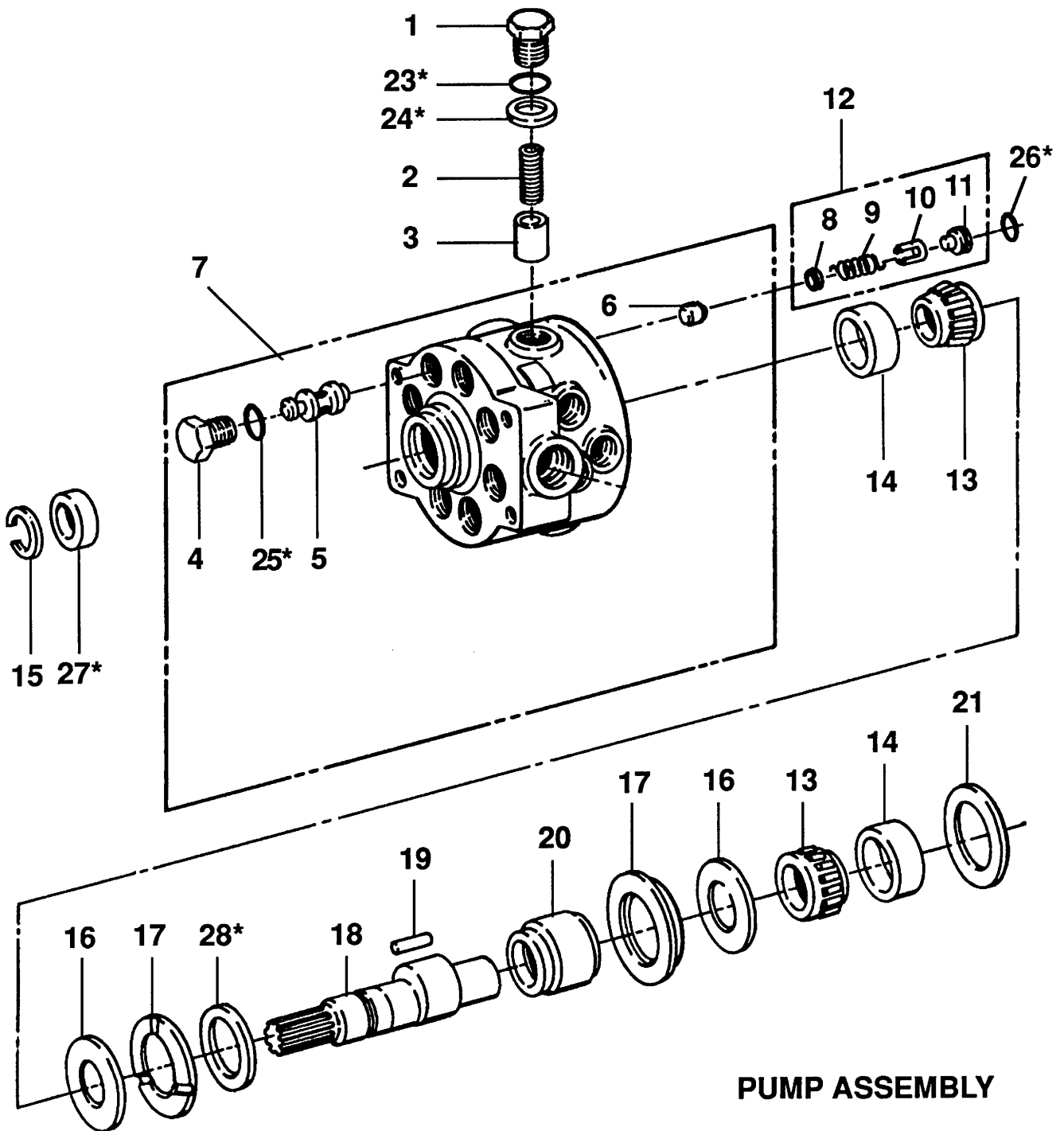
HYDRAULIC PUMP (PLATE 1 OF 2)

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

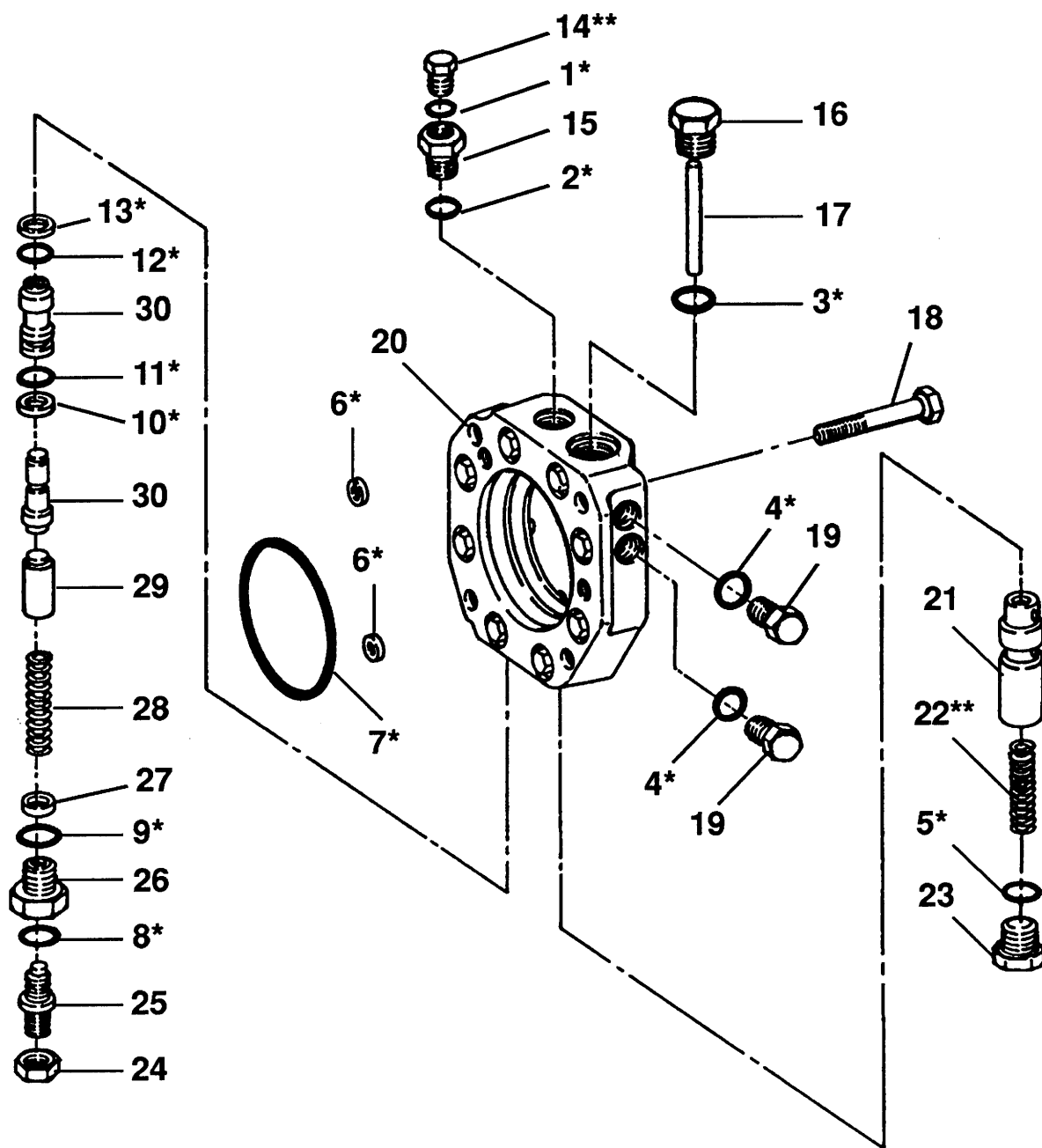
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-007001		SEAL KIT (for complete pump. Also see plate 1)	1
2			"O"-RING	1
3			"O"-RING	1
4			"O"-RING	2
5			"O"-RING	1
6			WASHER	2
7			"O"-RING	1
8	01-002614		"O"-RING	1
9			"O"-RING	1
10			RING, BACK UP	1
11			"O"-RING	1
12			"O"-RING	1
13			RING, BACK UP	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. D08.01 **SIMON AERIALS INC.**

REV. 9/17/91

PART NO. 01-007000



PUMP STROKE VALVE ASSEMBLY

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

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

SIMON AERIALS INC.

REV. 9/17/91

PART NO. 01-007000

PLATE NO. D08.01

PARTS LIST

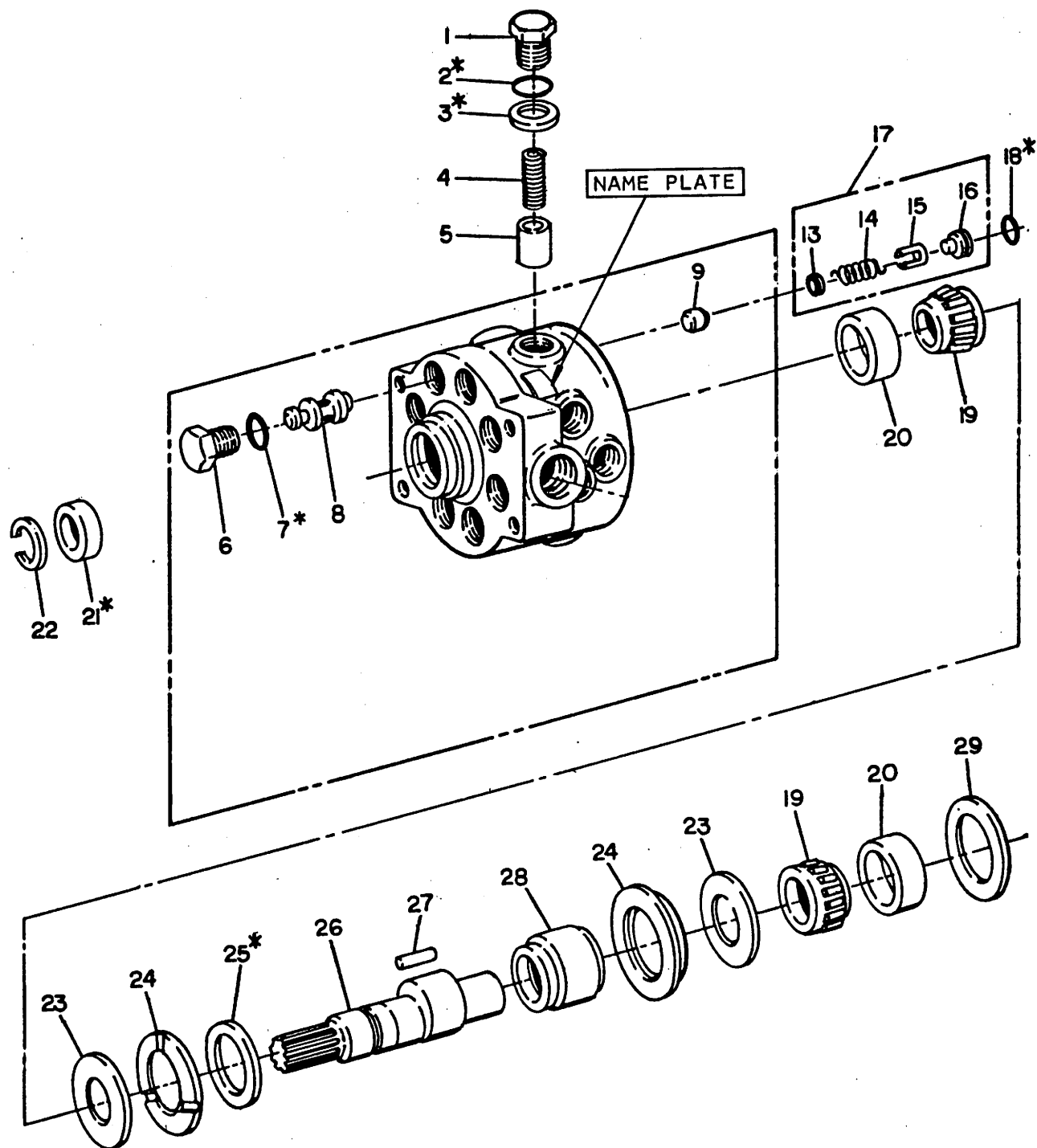
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-031405		FITTING	8
2*			'O' RING	8
3*			SHIELD	8
4	01-031402		SPRING	8
5			PISTON	8
6			FITTING	8
7*			'O' RING	8
8			INLET VALVE	8
9			BUSHING	8
10				
11				
12			HOUSING	1
13			DISK	8
14			SPRING	8
15			GUIDE	8
16			STOP	8
17			DISCHARGE VALVE	8
18			WASHER	8
19		01-002615	BEARING CONE	2
20		01-002617	BEARING CUP	2
21		01-002605	SEAL	1
22			SNAP RING	1
23			WASHER	2
24			THRUST WASHER	2
25			RING	1
26			SHAFT	1
27			NEEDLE ROLLER	25
28			BEARING RACE	1
29		01-002624	SHIM (.006)	A.R.
29		01-002625	SHIM (.010)	A.R.
*			SEAL KIT	1

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900



PUMP ASSEMBLY

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900

PARTS LIST

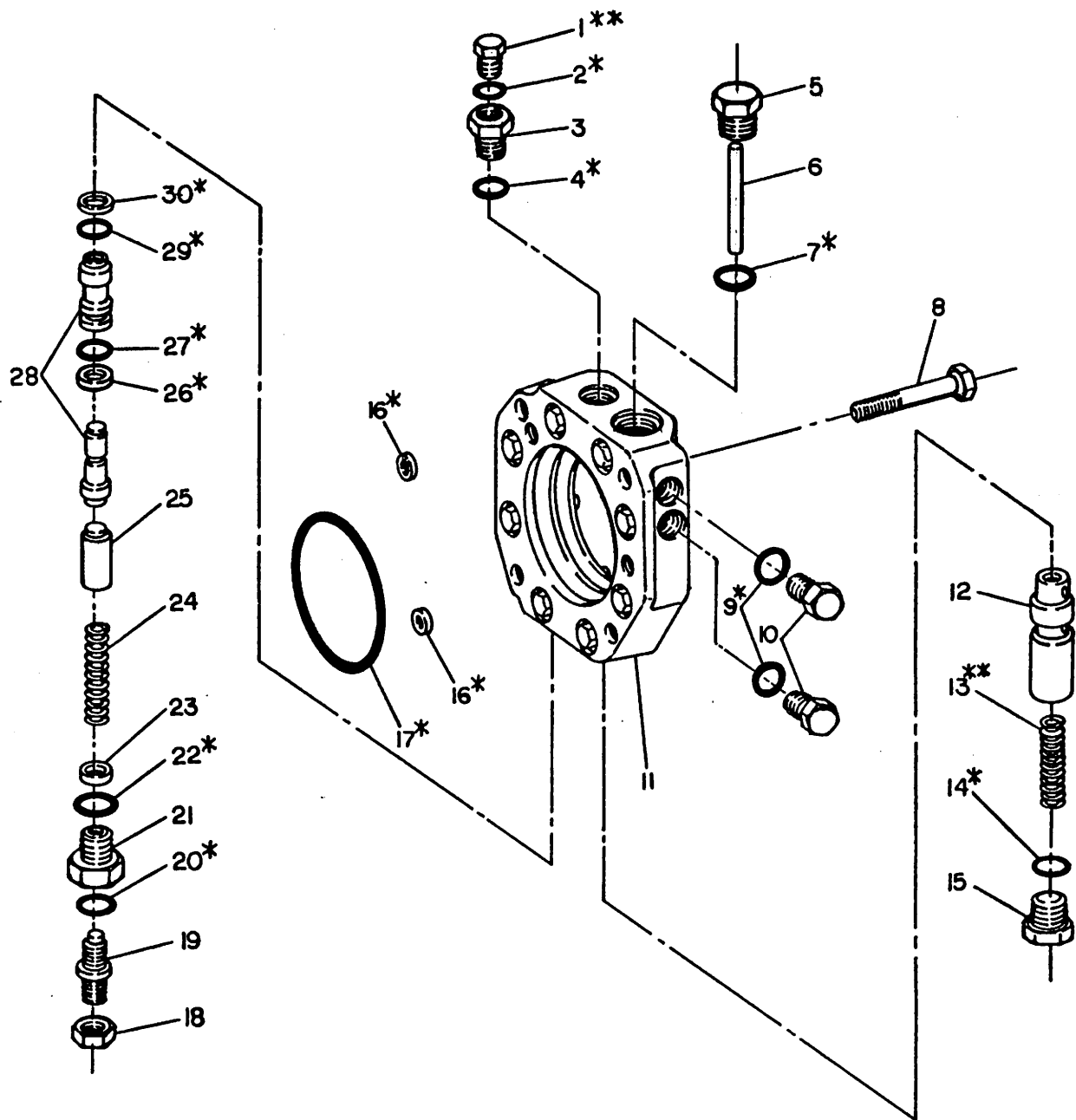
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			DRAIN PLUG (NOT USED, HPC PORT)	
2			'O' RING	1
3			PLUG	1
4			'O' RING	1
5			DRAIN PLUG	1
6			PIN	1
7			'O' RING	1
8			CAP SCREW	4
9			'O' RING	2
10			DRAIN PLUG	2
11			HOUSING	1
12			CRANK CASE VALVE	1
13			SPRING (NOT USED, REQUIRES REMOVAL)	
14			'O' RING	1
15			DRAIN PLUG	1
16			WASHER	2
17			'O' RING	1
18			NUT	1
19			SET SCREW	1
20	01-002614		'O' RING	1
21	01-002613		FITTING	1
22			'O' RING	1
23			WASHER	1
24			SPRING	1
25			GUIDE	1
26			BACK-UP RING	1
27			'O' RING	1
28			PRESSURE RELIEF VALVE (COMPENSATED)	1
29			'O' RING	1
30			BACK-UP RING	1
*			SEAL KIT	1

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900



PUMP STROKE VALVE ASSEMBLY

NOTE:

**NOT USED, REQUIRES REMOVAL

DESCRIPTION

HYDRAULIC PUMP

PART NO.

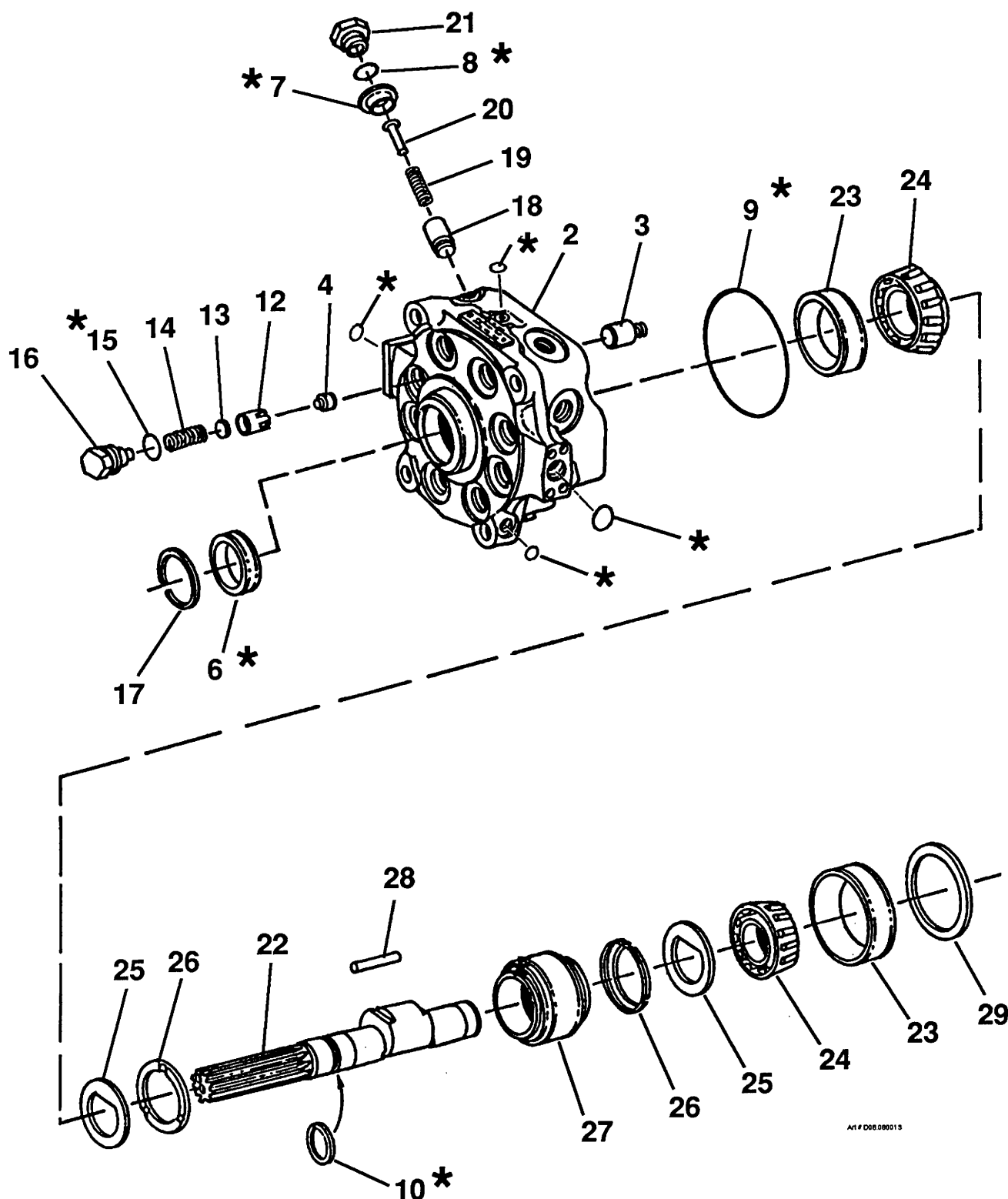
01-006900

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
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Art # D08 080013

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09/27/91

PART
NO.

01-018600

PLATE
NO.

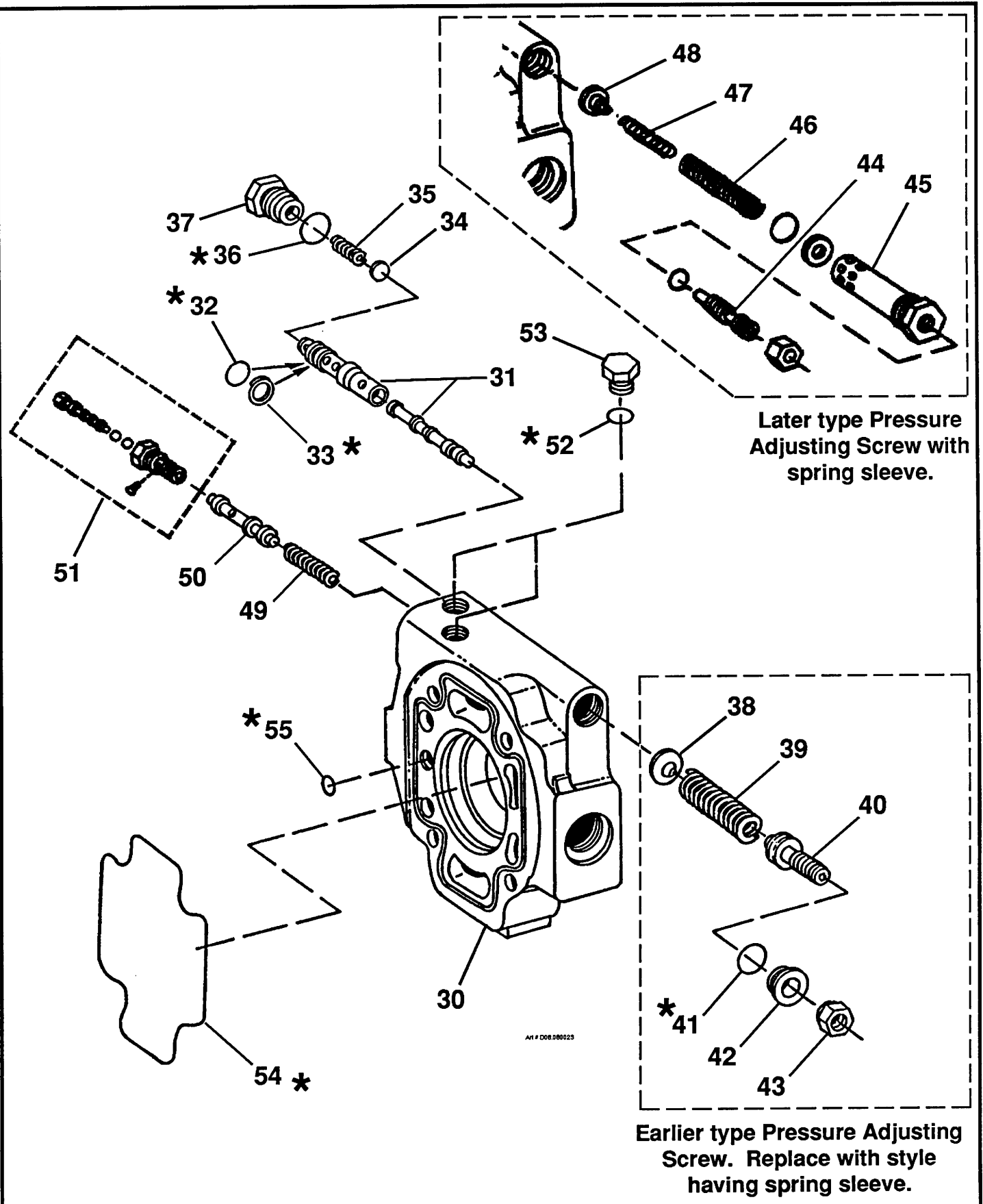
D08.08

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
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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	01-206900		PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "**ROPV 312 XXXXX*" and "24 71 R11531")	1
2	01-019500 01-018700		HPR 50 (marked "**ROPV 322 XXXXX*" and "24 72 R11531") HPR 65 (marked "**ROPV 332 XXXXX*" and "24 73 R11531") HOUSING ASSEMBLY, PUMP	1
3			HOUSING, PUMP	1
4	01-019519		VALVE, INLET	8
5	01-019518		SEAT, DISCHARGE VALVE	8
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
7	01-002605	*	SEAL, OIL	1
8		*	SHIELD (plastic)	8
9	01-019512	*	"O"-RING	8
10	01-018704	*	"O"-RING, CENTER HUB	1
11	01-018705	*	RING, SEALING	1
12			VALVE, DISCHARGE	8
13	01-019517		GUIDE, VALVE	1
14	01-018715		DISC, DISCHARGE VALVE	1
15	01-019516		SPRING	1
16	01-019515	*	"O"-RING	1
17			PLUG, DISCHARGE VALVE	1
18	01-019503		RING, SNAP	1
19	01-019514		PISTON	8
20	01-019513		SPRING, PISTON	8
21	01-019520		PIN, COOLING	8
22			PLUG, PISTON	8
23			SHAFT, PUMP	1
	01-019506		for Model HPR 40	
	01-018708		for Model HPR 50	
			for Model HPR 65	
24	01-019504		CUP, PUMP SHAFT BEARING	2
25	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2
26	01-018710		SPACER	2
27	01-019510		WASHER, THRUST	2
28	01-019508		RACE, BEARING	1
29	01-019507		ROLLER, NEEDLE	50
30	01-019521		SPACER, NEEDLE ROLLER	3
31	01-019509		SHIM (0.15 mm)	A.R.
			SHIM (0.25 mm)	A.R.

TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION

D08.

PLATE NO.

13

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REV.

A

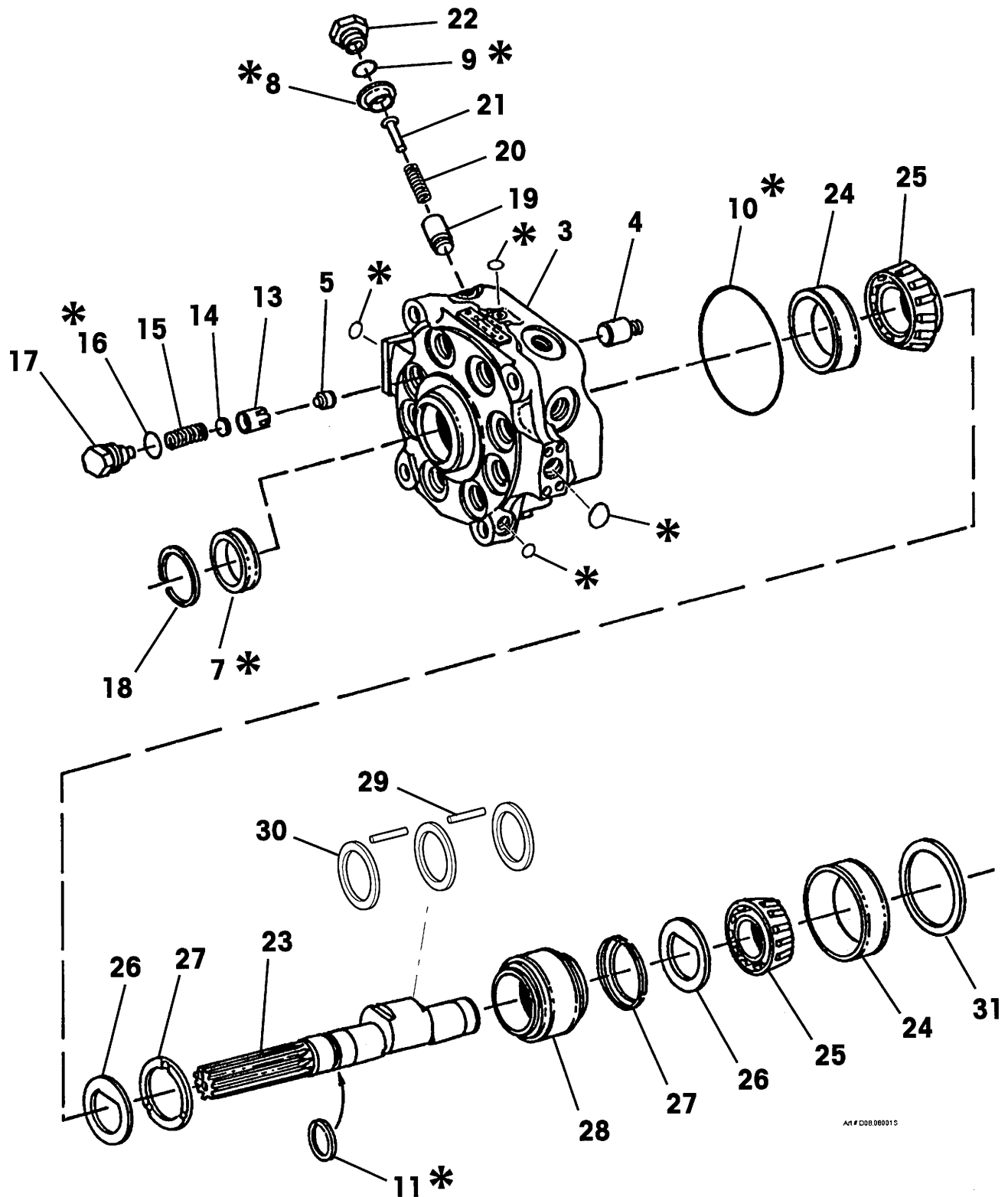
DATED

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



Alt # D08.08015

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

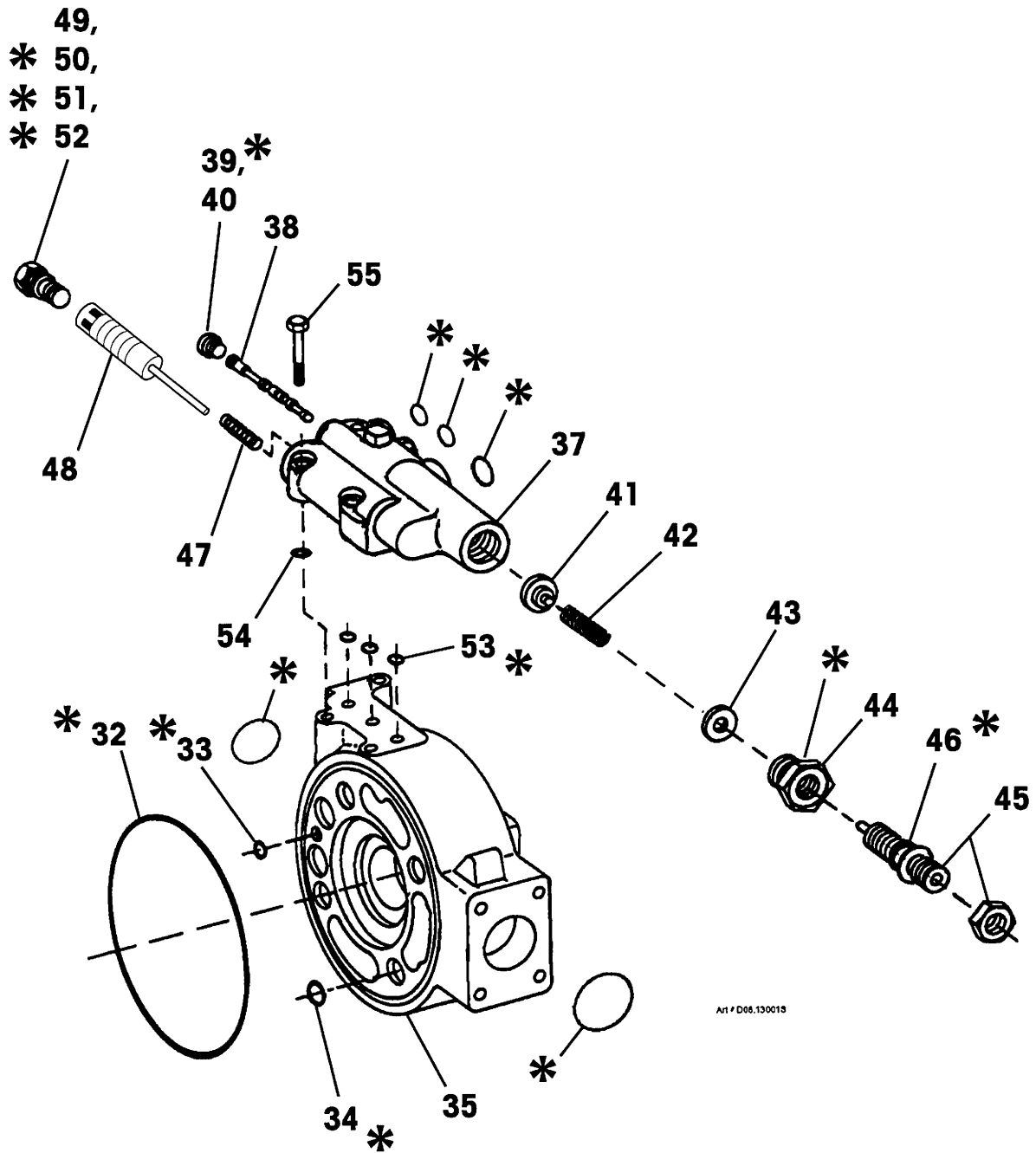
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PARTS LIST

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	PART NO.
								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



A1 # D08.130015

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

TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

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02

PARTS LIST

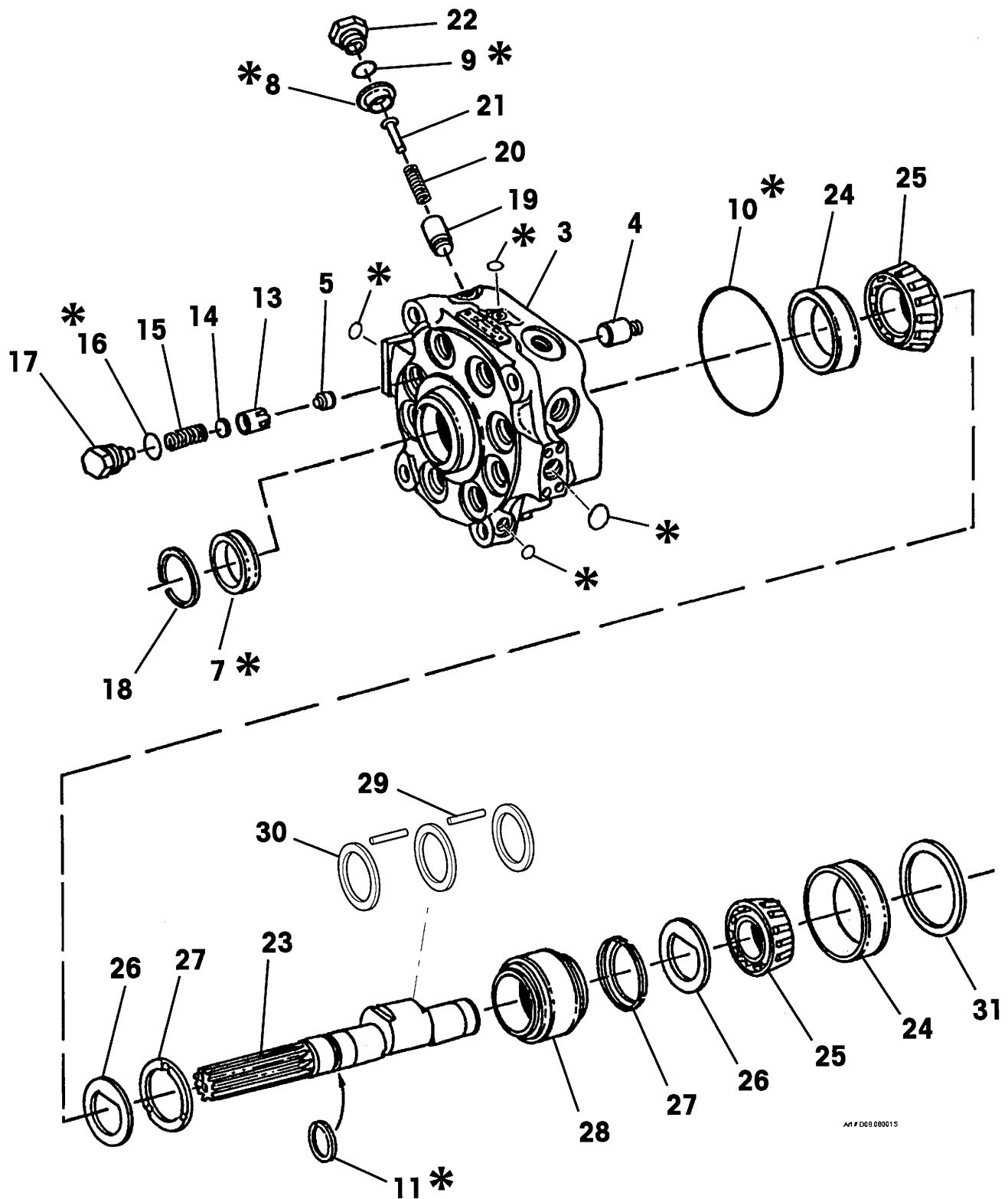
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Hydraulic Pump:	
			Suction Fittings:	
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose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

TITLE

HYDRAULIC PUMP ASSEMBLY

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

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



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

TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

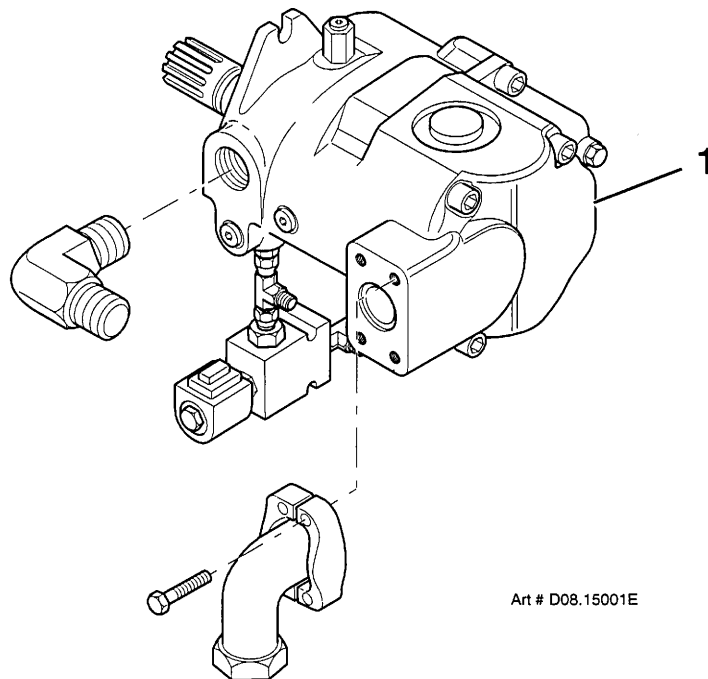
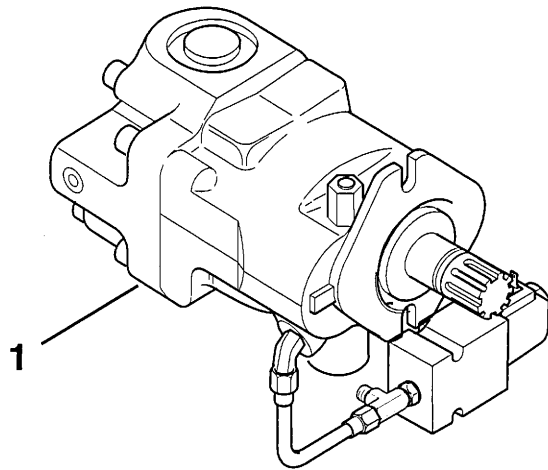
PAGE

03

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HYDRAULIC PUMP ASSEMBLY

PART
NO.



Art # D08.15001E

TITLE

HYDRAULIC PUMP ASSEMBLY

SIMON AERIALS INC.

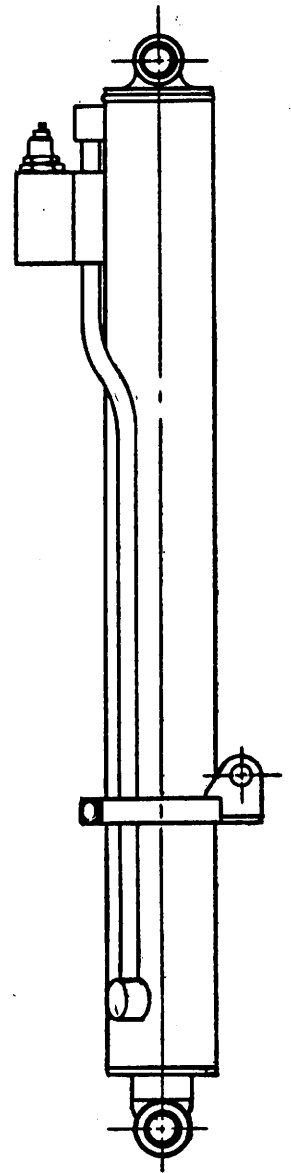
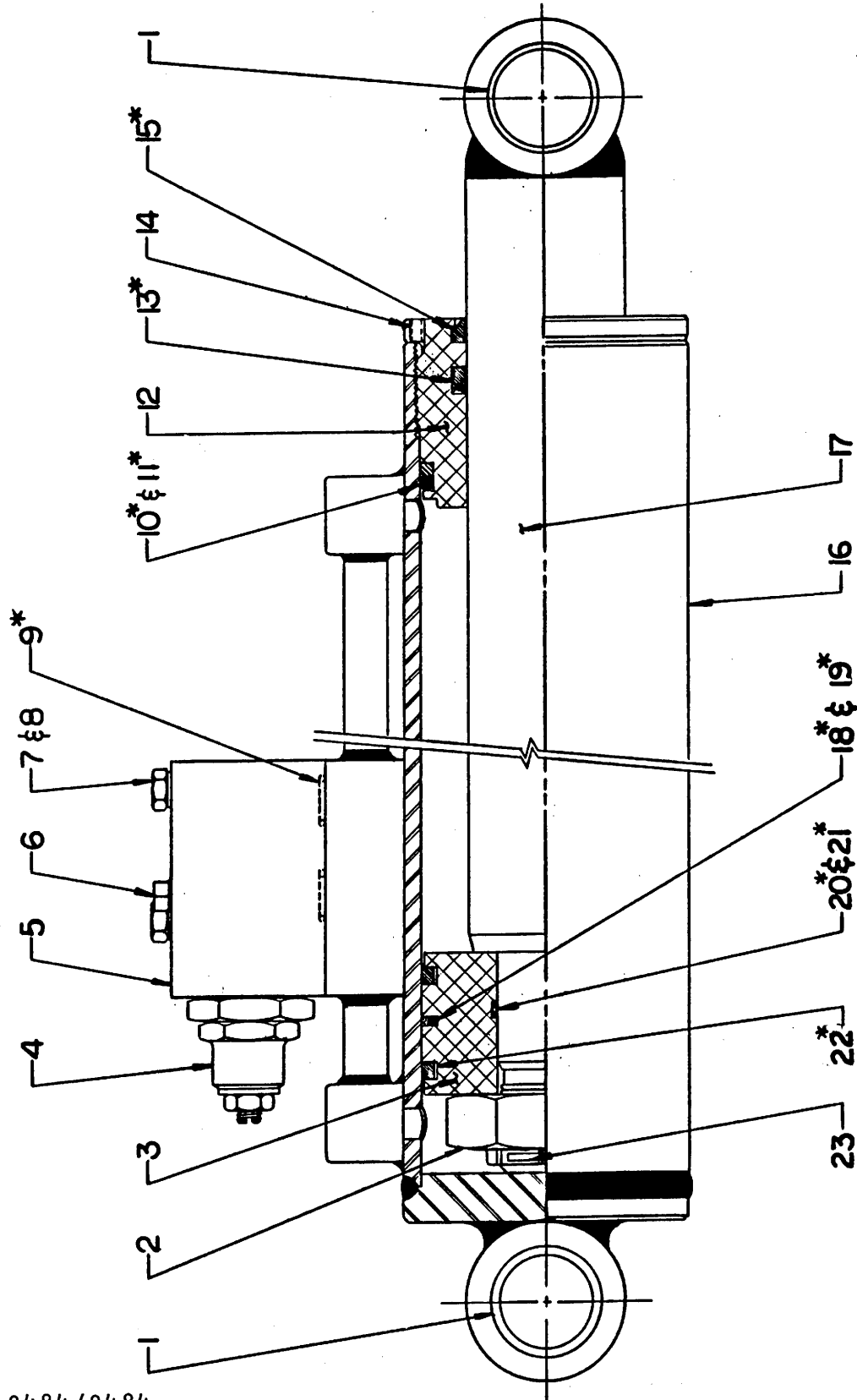
NEW 24 JAN., 1996

PART
NO.

PLATE
NO. D08.15

PARTS LIST

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



NOTE:
*SEAL KIT
P/N 04-003901

0484/0484

DESCRIPTION

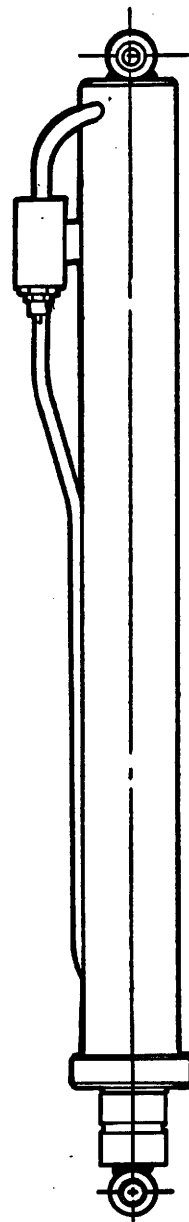
LIFT CYLINDER

PART NO.

04-003900-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			BUSHING	4
2			RETAINING NUT	1
3			HEAD GLAND	1
4			CASE	1
5			ROD	1
6	04-021402		HOLDING VALVE	1
7			PISTON	1
8			PISTON NUT	1
9	04-004201		SEAL KIT	1
10	SBD-205891-5		SPACER	1
DESCRIPTION			LIFT CYLINDER	PART NO. 04-004200-1



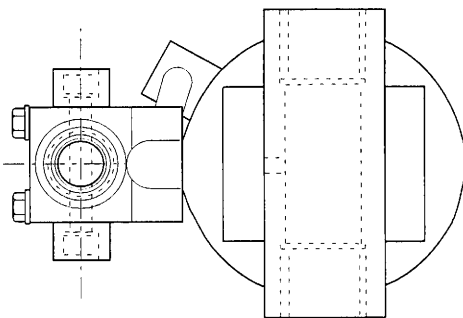
NOTE:

D9.10

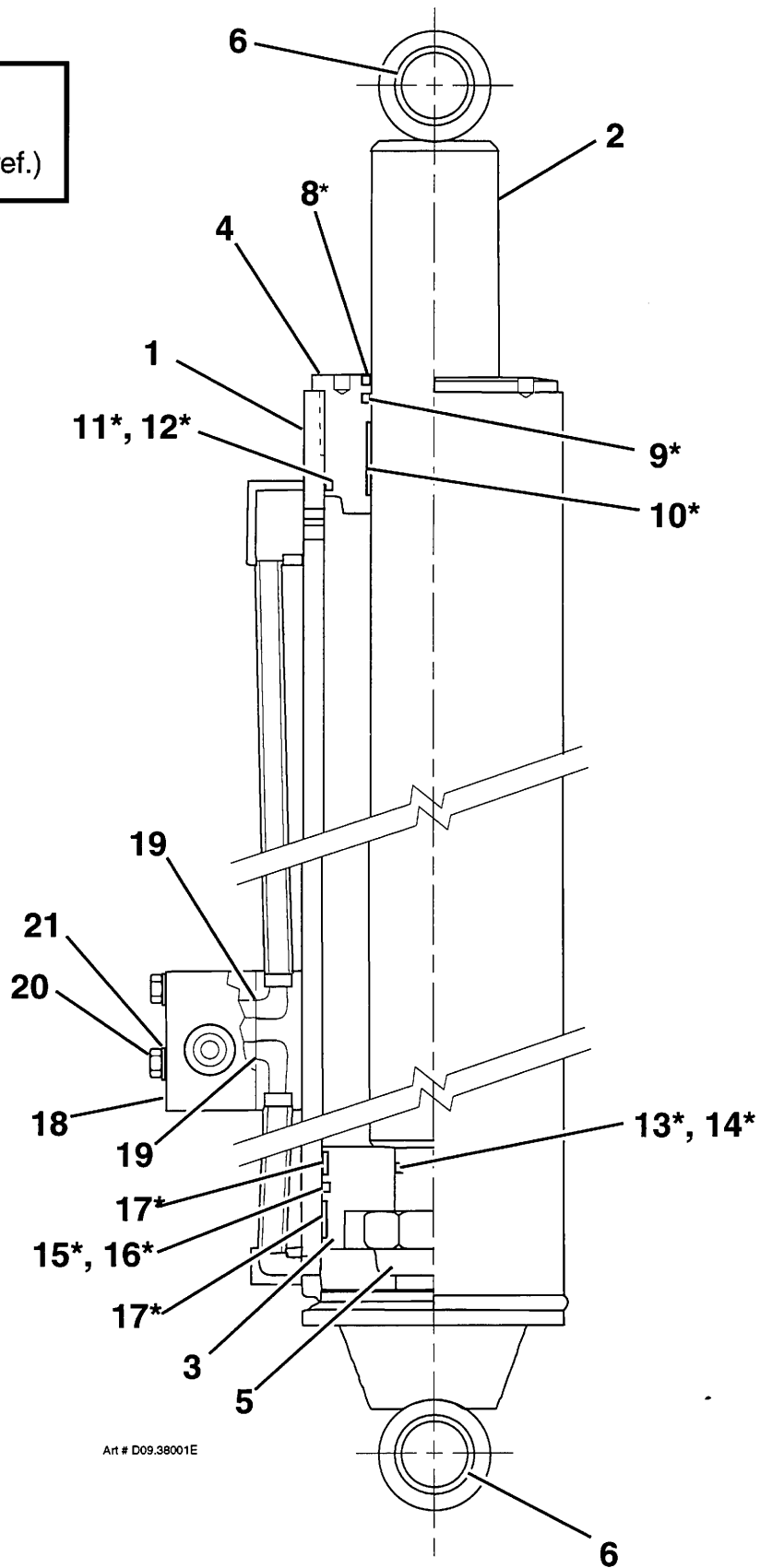
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4	04-035602		GLAND, HEAD	1
5			NUT, PISTON ROD	1
6			BUSHING	4
7	04-035601		SEAL KIT (not for use with water-glycol hydraulic fluid) Note: Items in kit identified by asterisk (*).	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	3
11			"O"-RING	1
12			RING, BACKUP	1
13			"O"-RING	1
14			RING, BACKUP	1
15			"O"-RING	1
16			SEAL, PISTON	1
17			RING, PISTON WEAR	2
18			VALVE BLOCK	1
19			"O"-RING	2
20			CAP SCREW, HEX HEAD (3/8"-16 x 3")	4
21			WASHER, LOCK	4
			The following item is not part of the cylinder assembly:	
22	01-222000		VALVE, COUNTERBALANCE (Holding valve) 10:1 (Factory set at 4900 PSI [338 Bar] [344.5 Kg/ cm ²]) (For units built after approximately 10 December 1992. Supercedes 04-021402 as replacement on earlier units.)	1
	04-021402		25:1 Ratio (Originally supplied on units built through about 10 December 1992. Has been superceded by 01-222000.)	
TITLE LIFT CYLINDER, 52.0" (1.32 M) STROKE				
PLATE NO.	D09.37	SIMON AERIALS INC.		PART NO. 04-035600
REV. 15 FEB., 1995				

Note:

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



Art # D09.38002E



Art # D09.38001E

View of Base End

TITLE

LIFT CYLINDER, 52.0" (1.32 M) STROKE

SIMON AERIALS INC.

REV. 15 FEB., 1995

**PART
NO.**

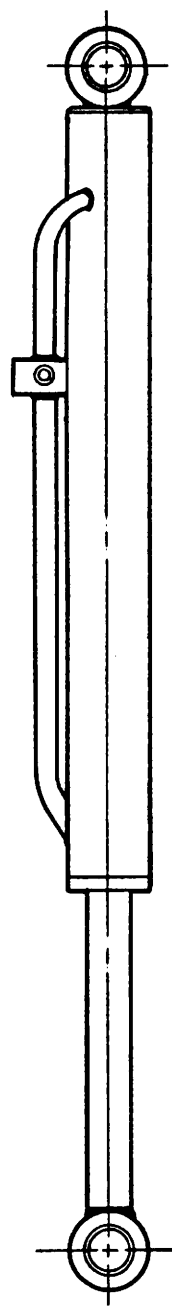
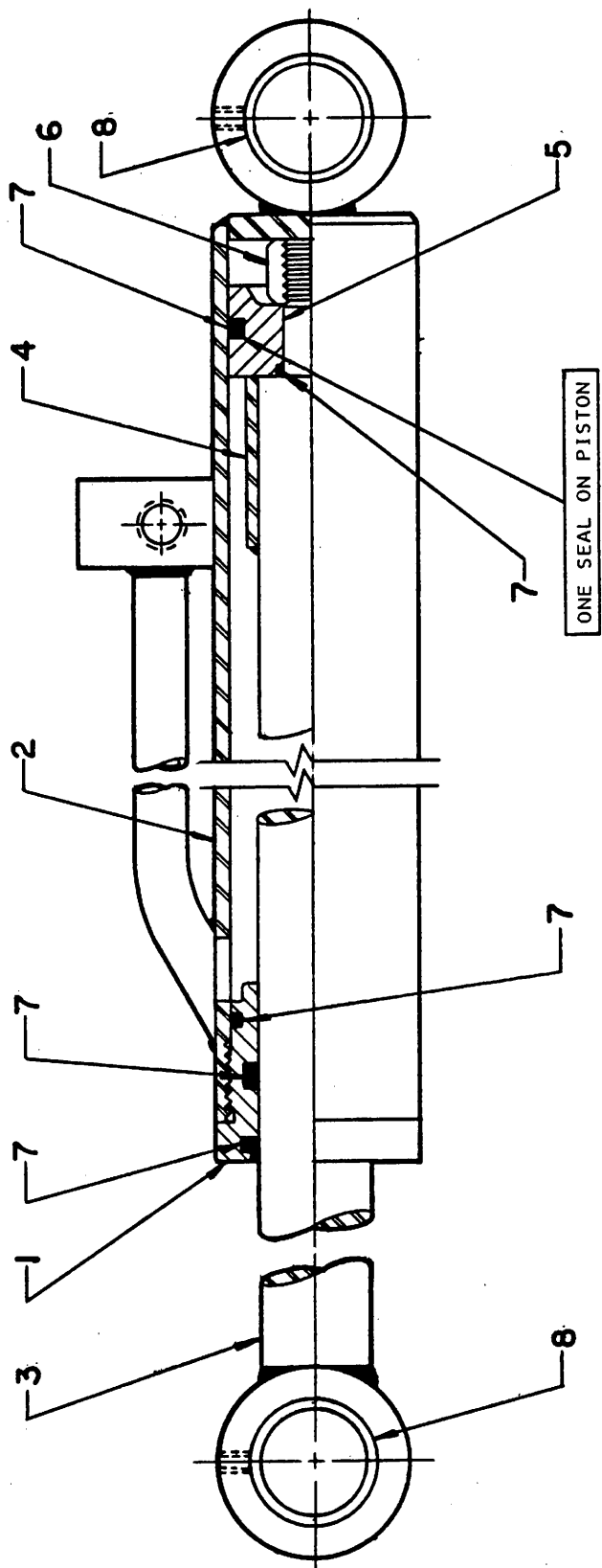
04-035600

**PLATE
NO.**

D09.37

[illegible]

PLATE NO.	D10.01	SIMON AERIALS INC.	REV. 30 AUG., 1994 THIS SHEET ONLY	PART NO.	04-007100
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1283/0383

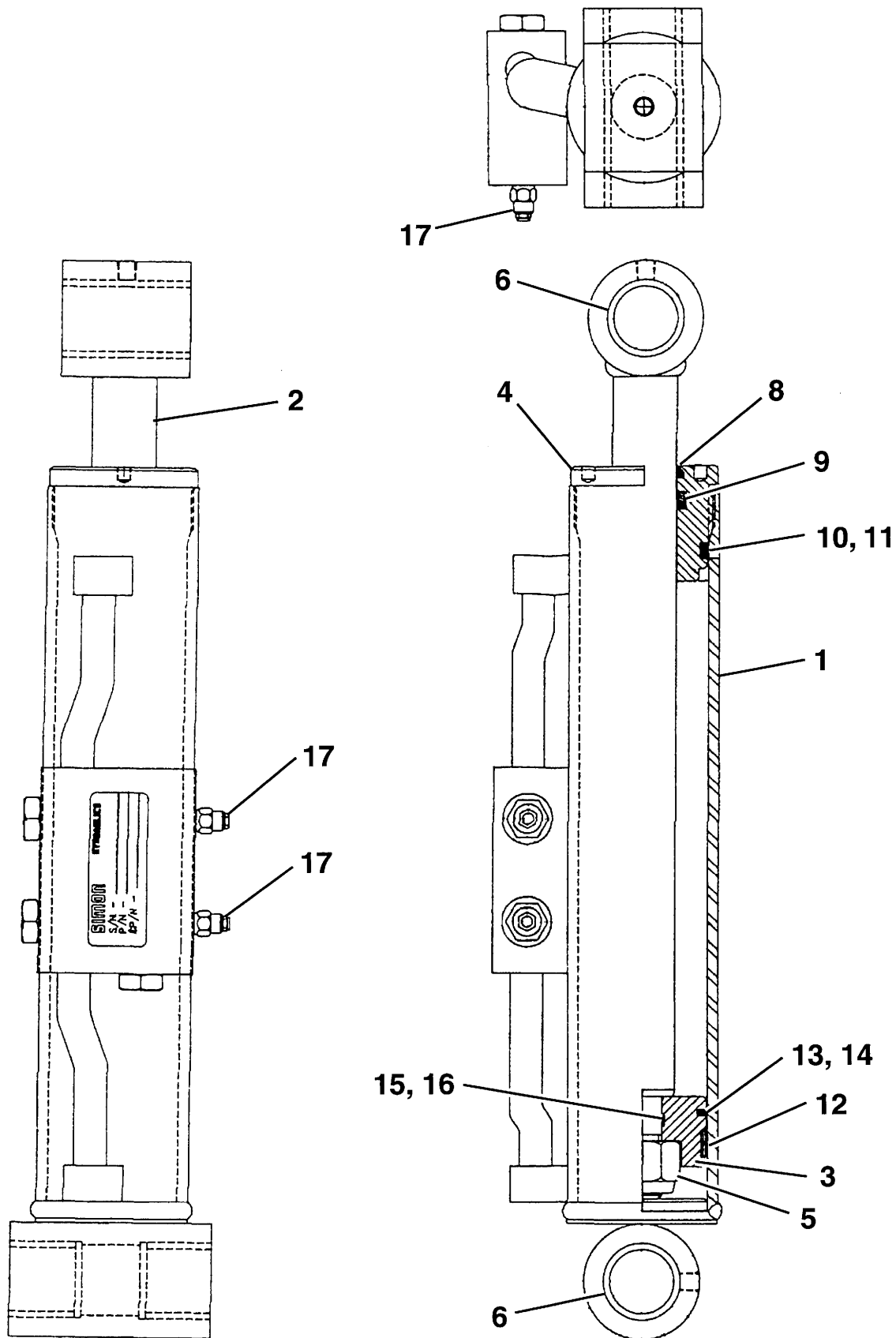
DESCRIPTION

MASTER LEVELING CYLINDER

PART NO.

04-007100

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



TITLE

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

SIMON AERIALS INC.

NEW 03 DEC., 1992

PART
NO.

04-032600

PLATE
NO.

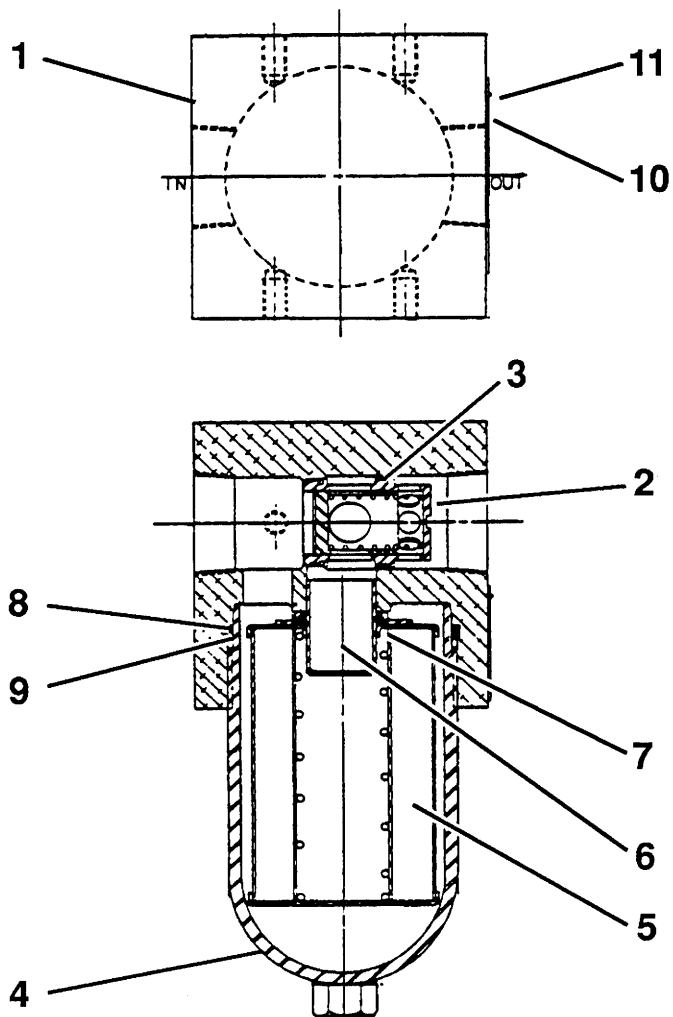
D10.101

[illegible]

HIGH PRESSURE FILTER

REV. 05/02/91

PART NO. 01-035100



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

01-035100

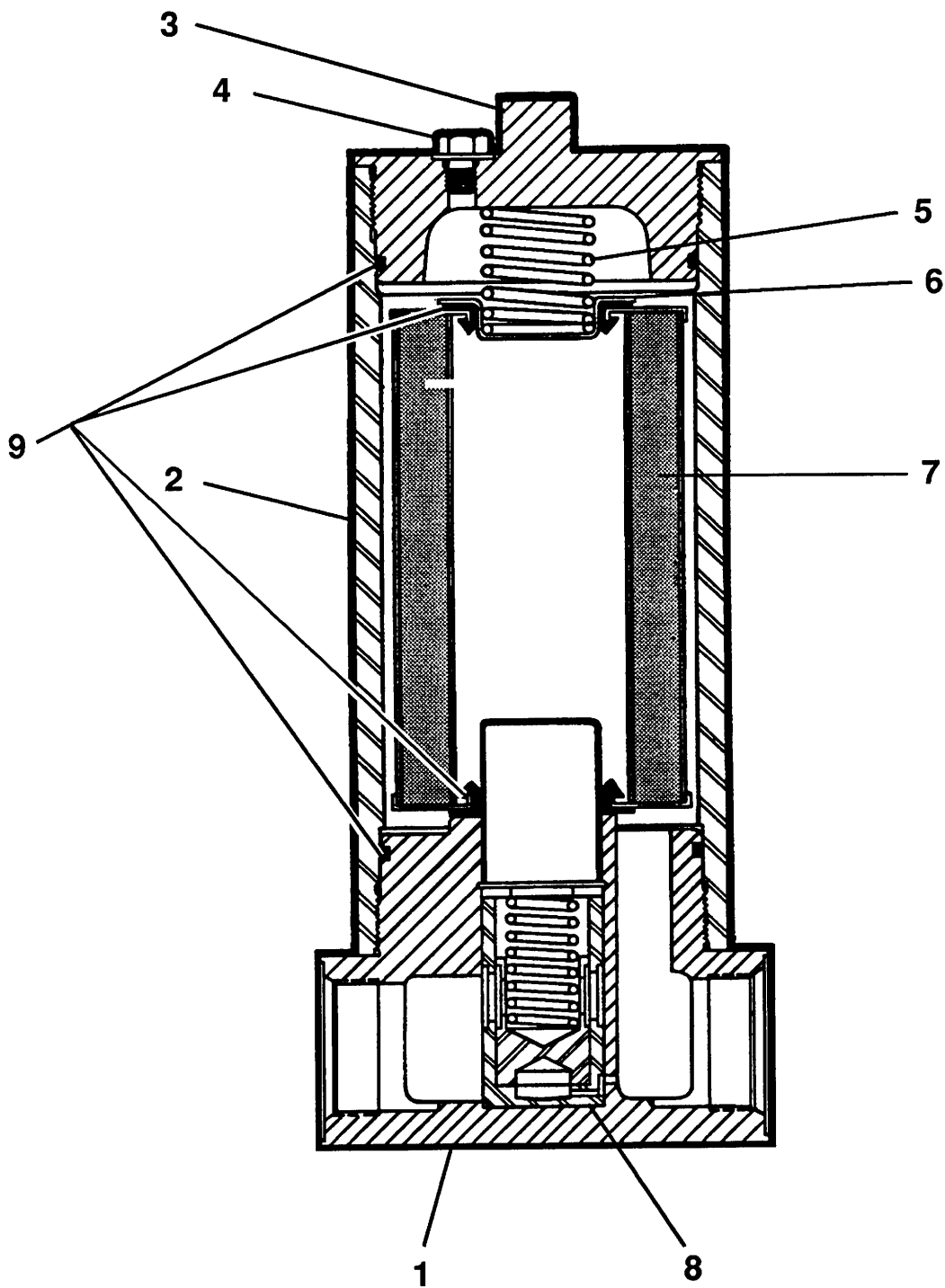
PLATE
NO.

D11.01

[illegible]

HIGH PRESSURE FILTER

01-014000



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

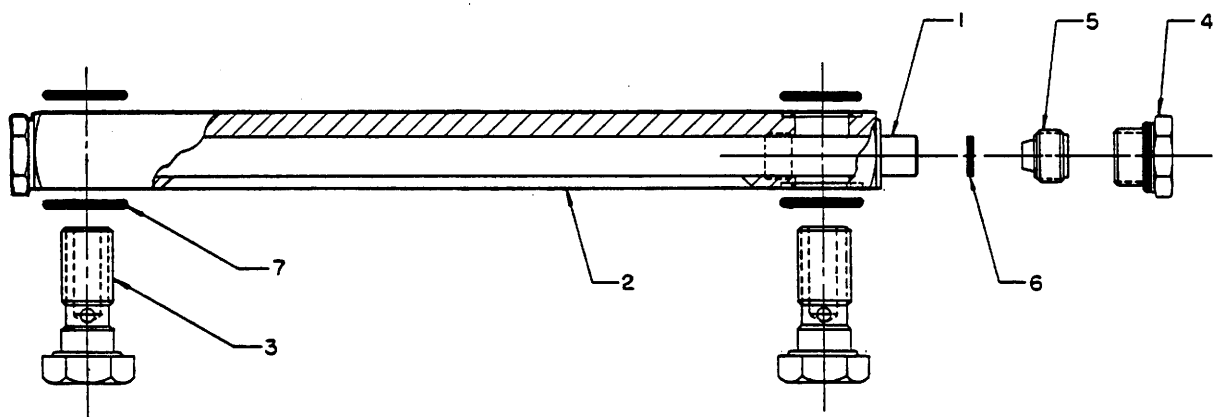
01-014000

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

SIGHT GAUGE 12"

PART NO.

10-033500

PARTS LIST

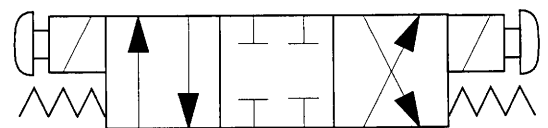
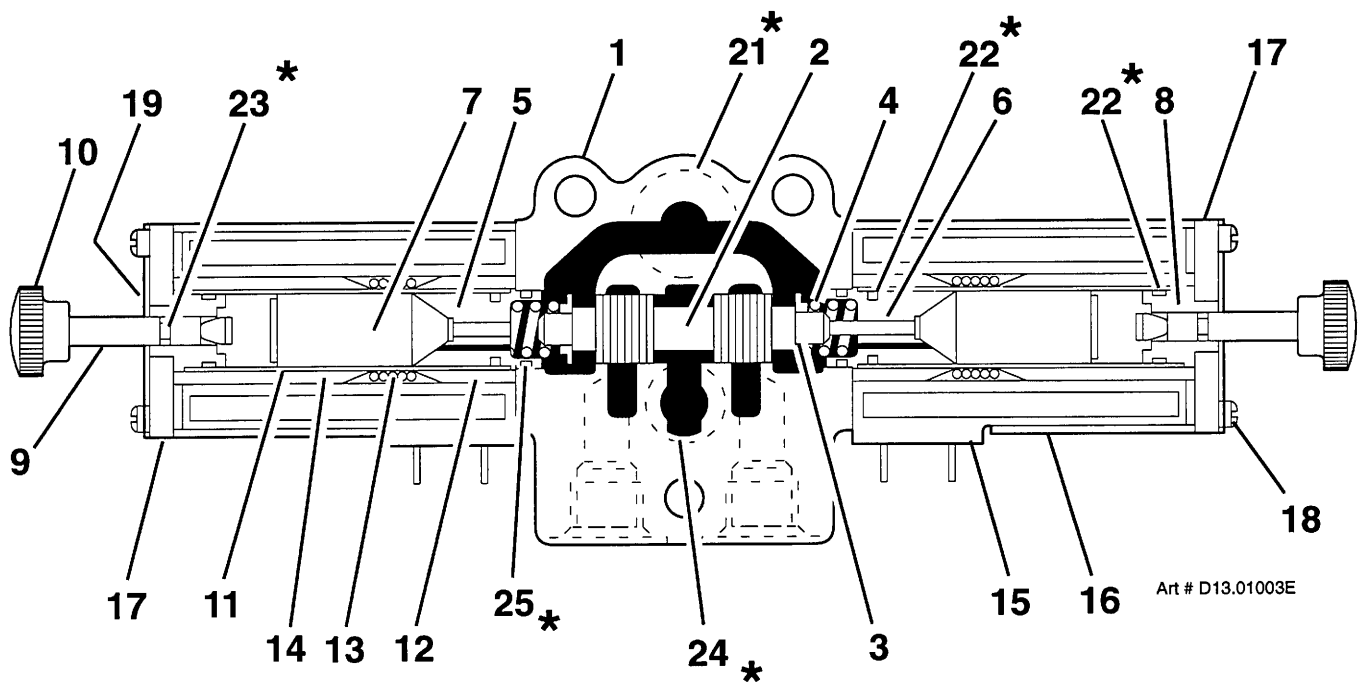
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031707		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		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

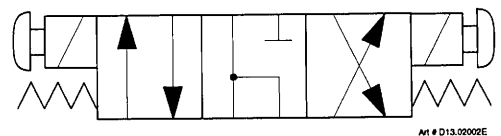
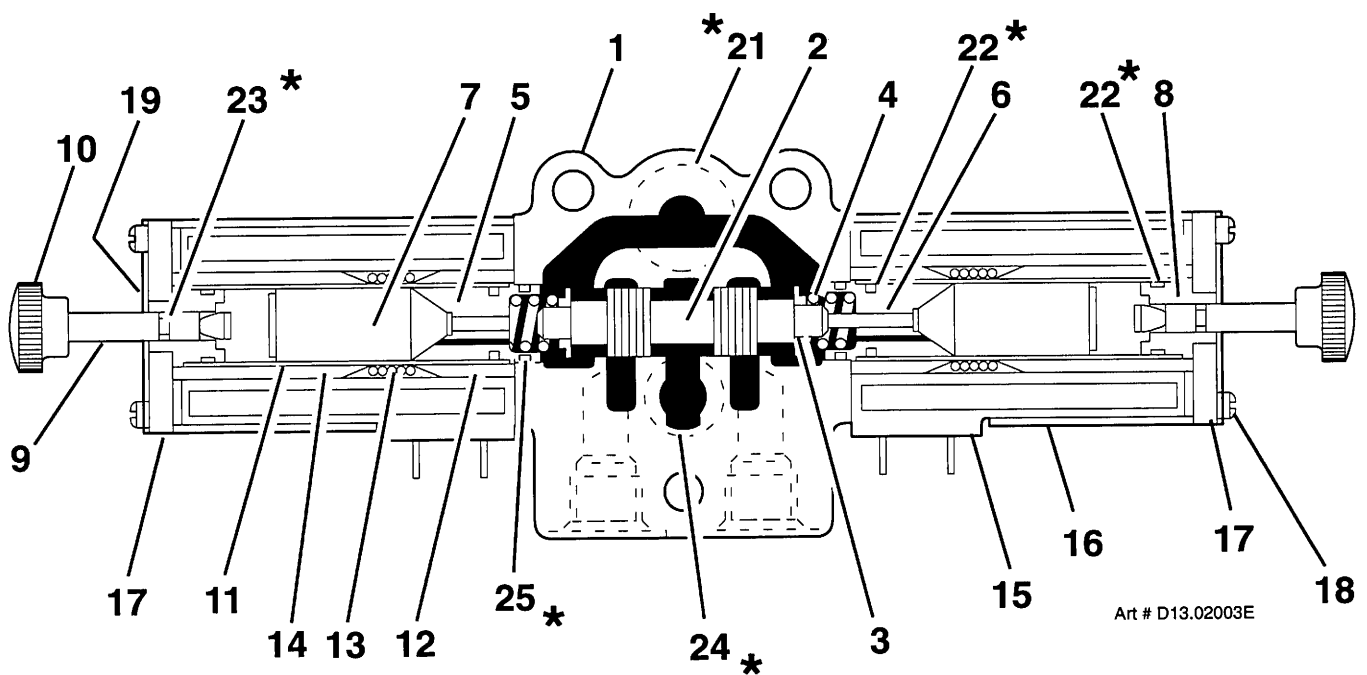
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031801		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		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

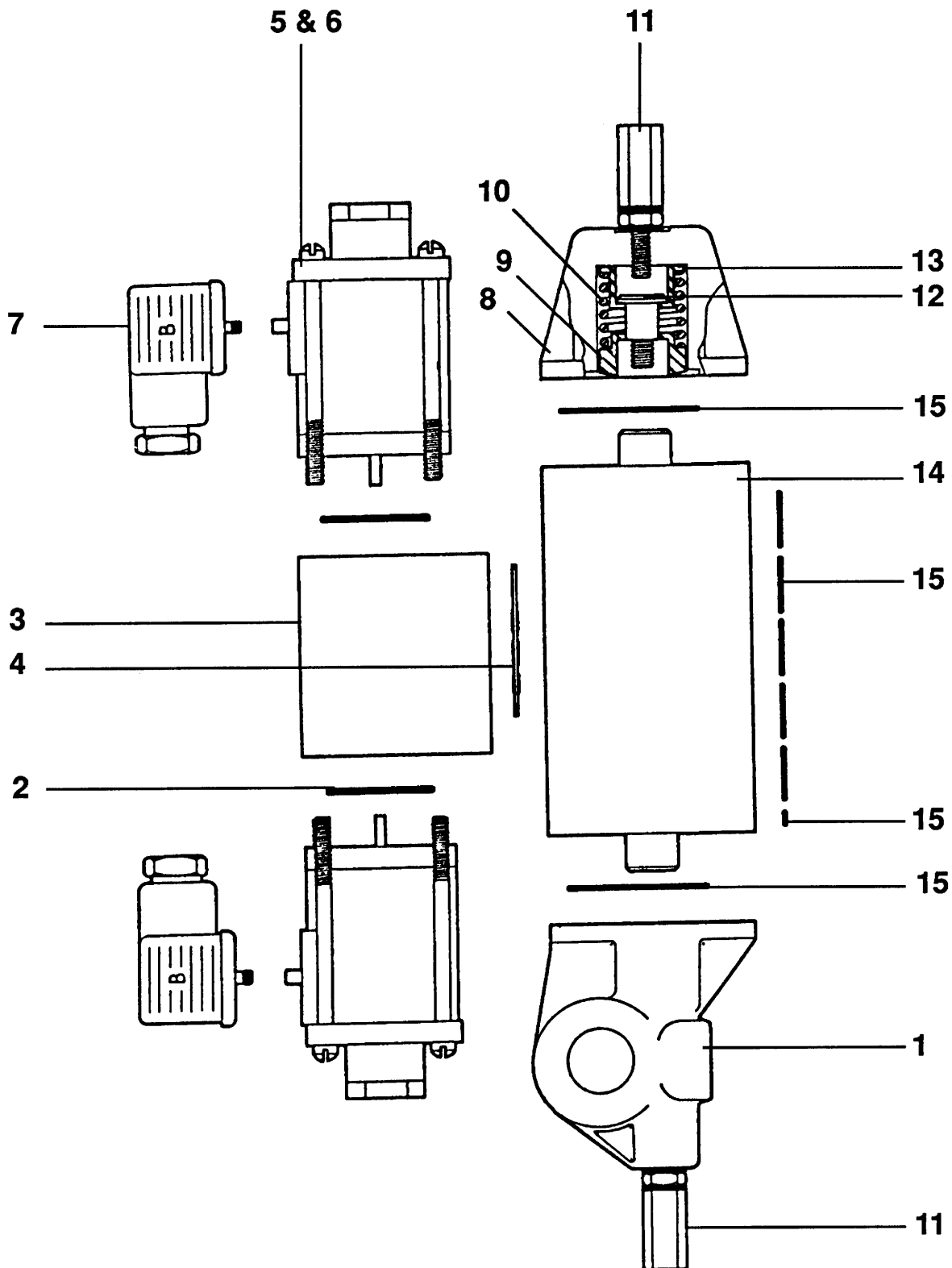
PLATE NO.

D13.02

[illegible]

4-WAY VALVE ASSEMBLY

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

4-WAY VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 13/08/91

PART NO. 01-040301 THRU
01-040304

PLATE NO. D13.03

PARTS LIST

PART NO.

ITEM	DESCRIPTION	QTY.	DRIVE	EXTEND	HOIST	SWING
1	SOLENOID ASSEMBLY	2	01-040306	01-040306	01-040306	01-040306
1A	COIL	2	01-040307	01-040307	01-040307	01-040307
1B	CONNECTOR (OPTIONAL)	2	03-043000	03-043000	03-043000	03-043000
2	"O" RING	2				
3	PILOT VALVE ASSEMBLY	1	01-040305	01-040305	01-040305	01-040305
4	SEAL PLATE	1				
5	SPRING CAP ASSEMBLY	2				
5A	SPRING CUP	2				
5B	SPRING	2				
5C	SPROKE CONTROL ASS'Y.	2				
5D	SHOULDER SCREW	2				
5E	SPRING CUP	2				
6	4-WAY VALVE ASSEMBLY	1				
6A	VALVE SEAL KIT	1				
7	COMPLETE VALVE (INCL. ALL ABOVE ITEMS)		01-017501	01-017502	01-017503	01-017504

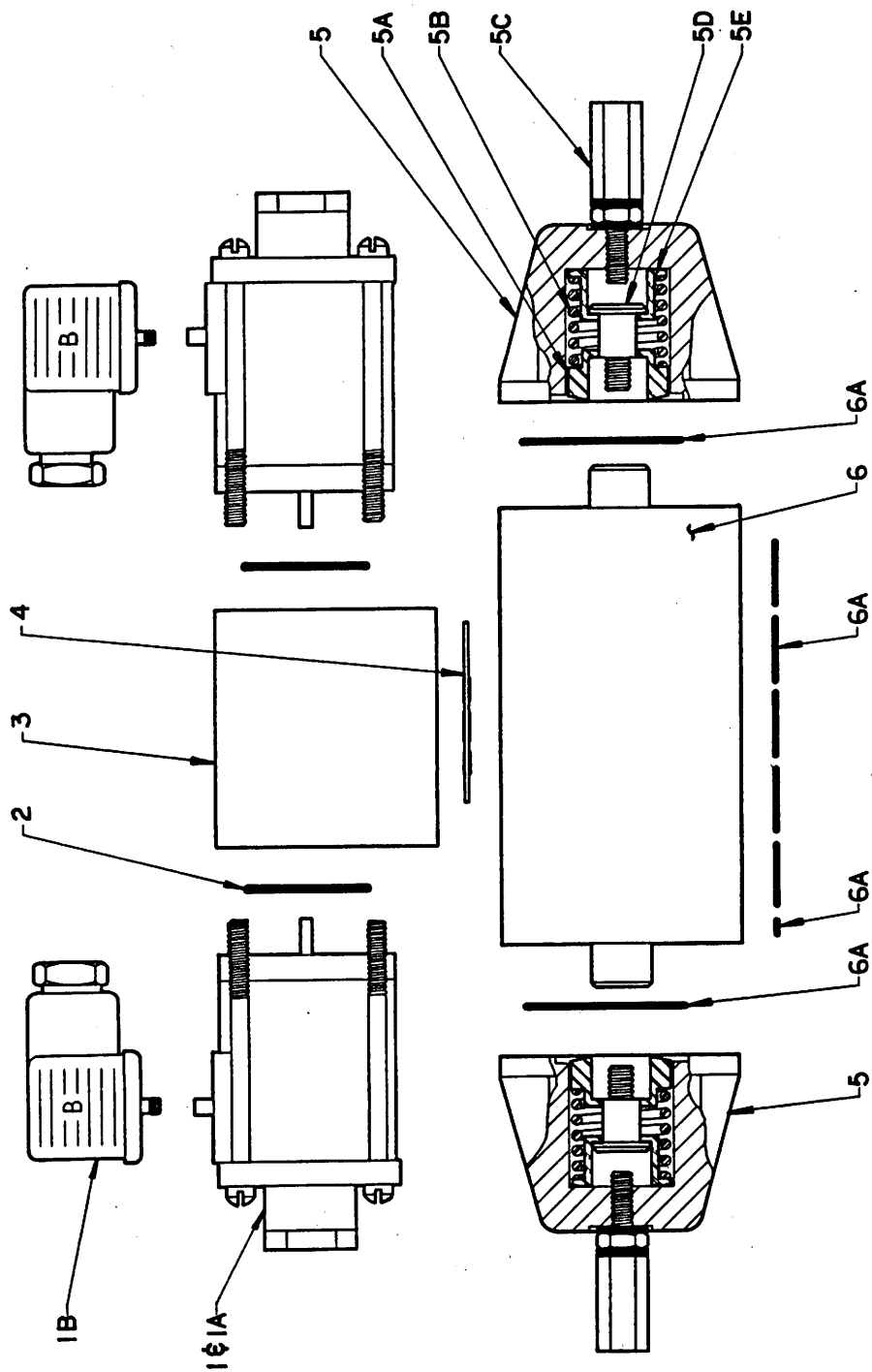
DESCRIPTION

4-WAY SOLENOID VALVE, PROPRTIONAL

PART NO.

01-017501 THRU 01-017504

D 13.4

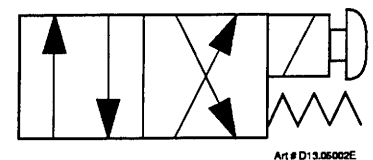
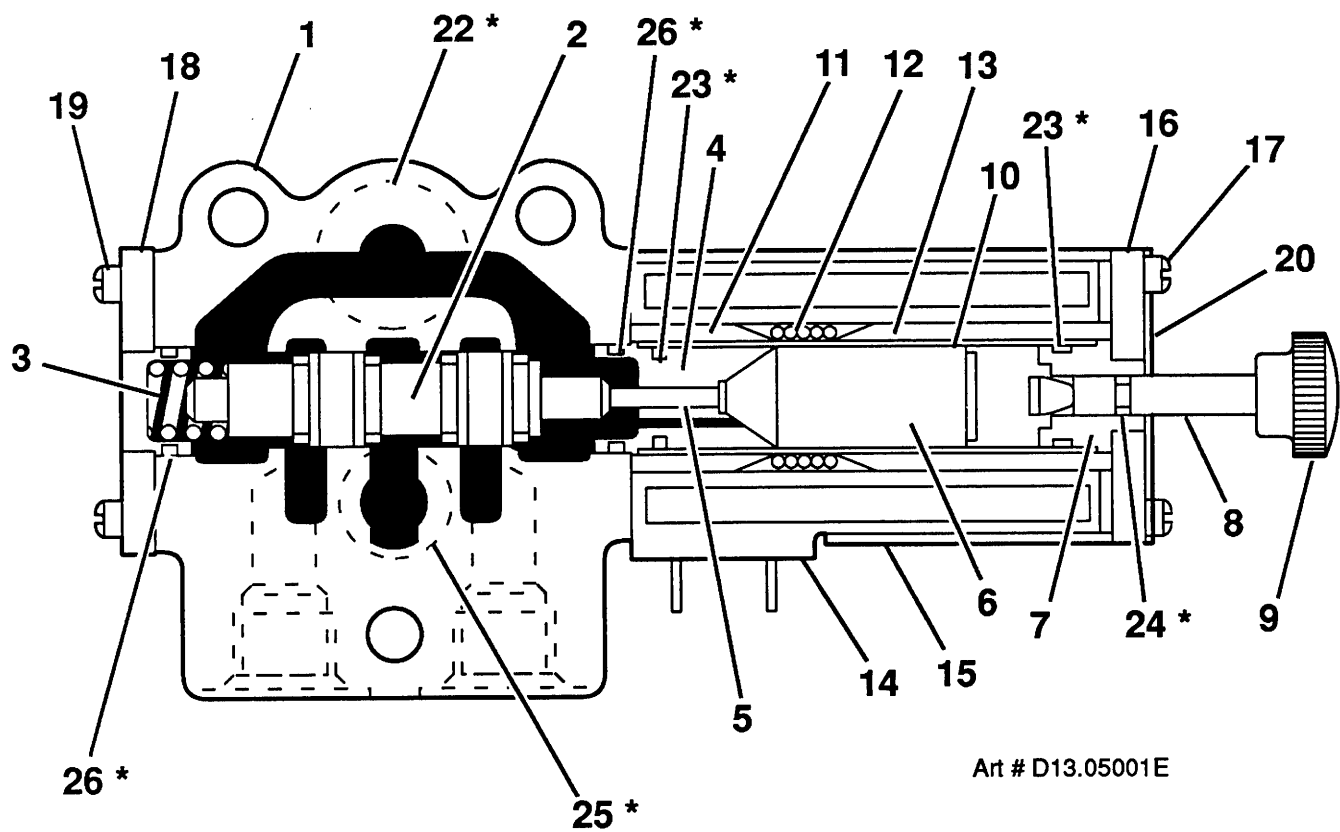


0785/0785 DESCRIPTION 4-WAY SOLENOID VALVE, PROPORTIONAL	PART NO. 01-017501 THRU 01-017504
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[illegible]

4-WAY, 2 POSITION SOLENOID VALVE

PART NO. 01-061900



TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

PART
NO.

01-061900

PLATE
NO.

D13.05

PARTS LIST

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

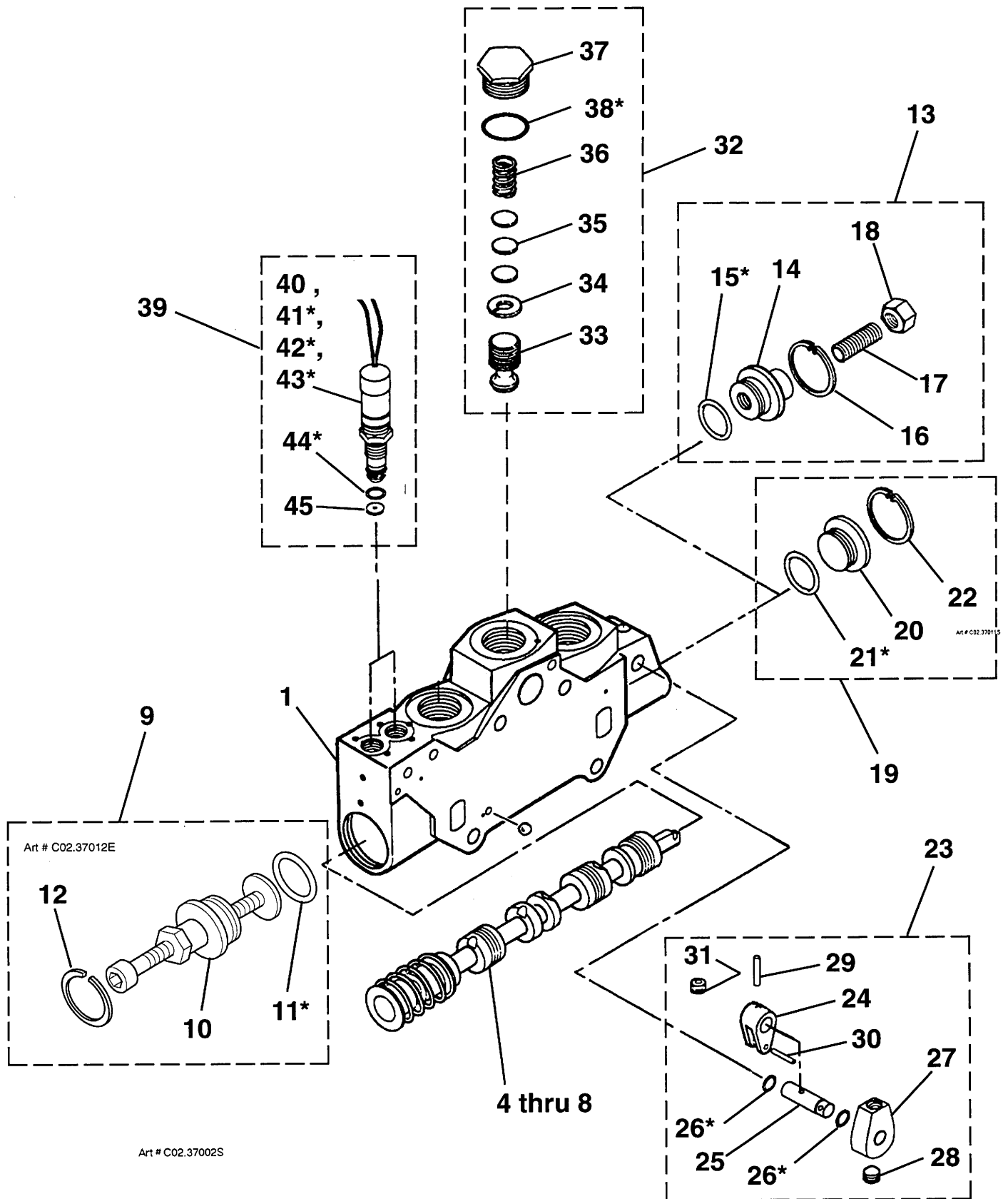
TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

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

REV. 16 FEB., 1996

PART NO.

Art # C02.37006E



Art # C02.37012E

Art # C02.37002S

Art # C02.37015

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

SIMON AERIALS INC.

REV. 16 FEB., 1996

PART
NO.

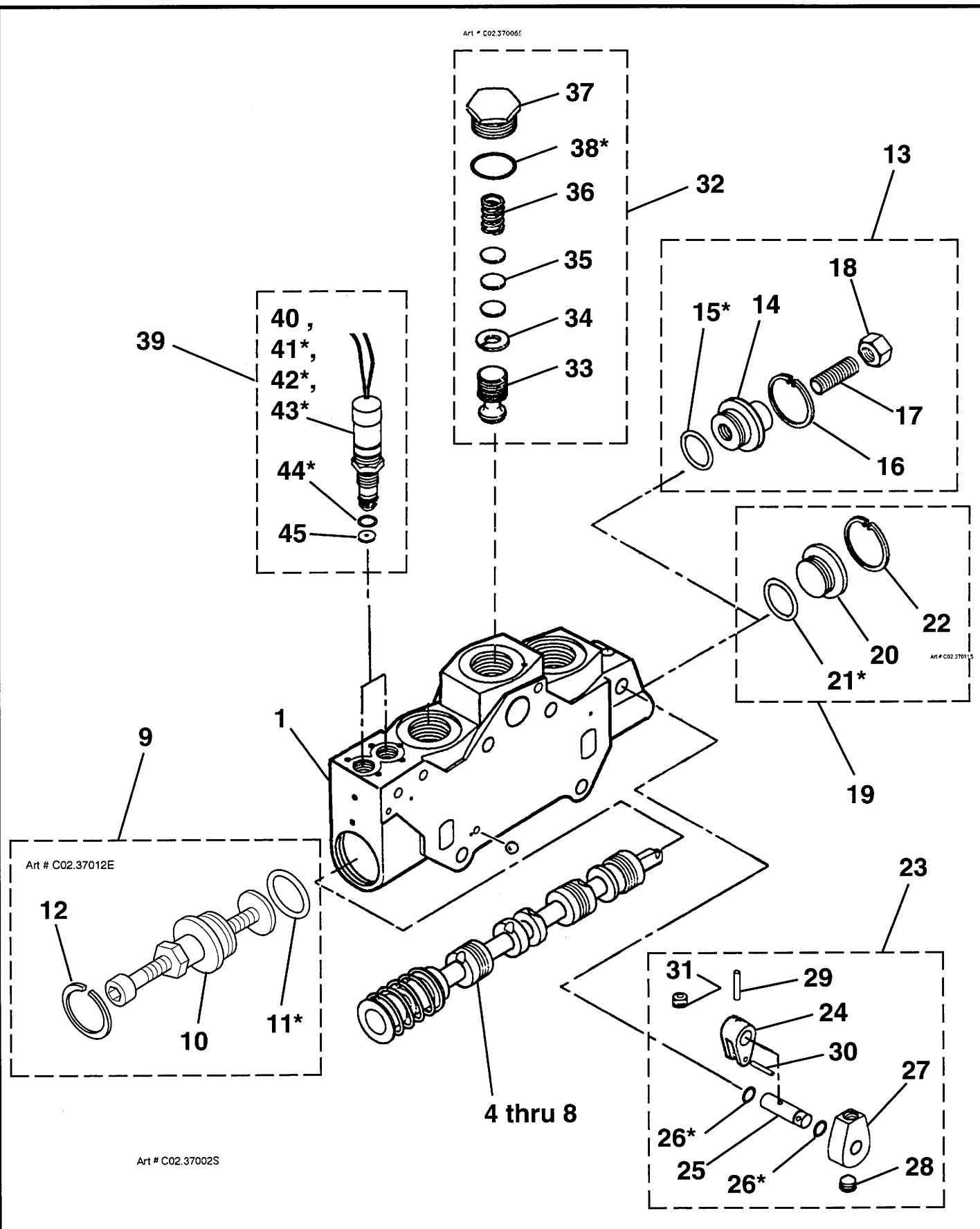
PLATE
NO.

D13.06

[illegible]

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

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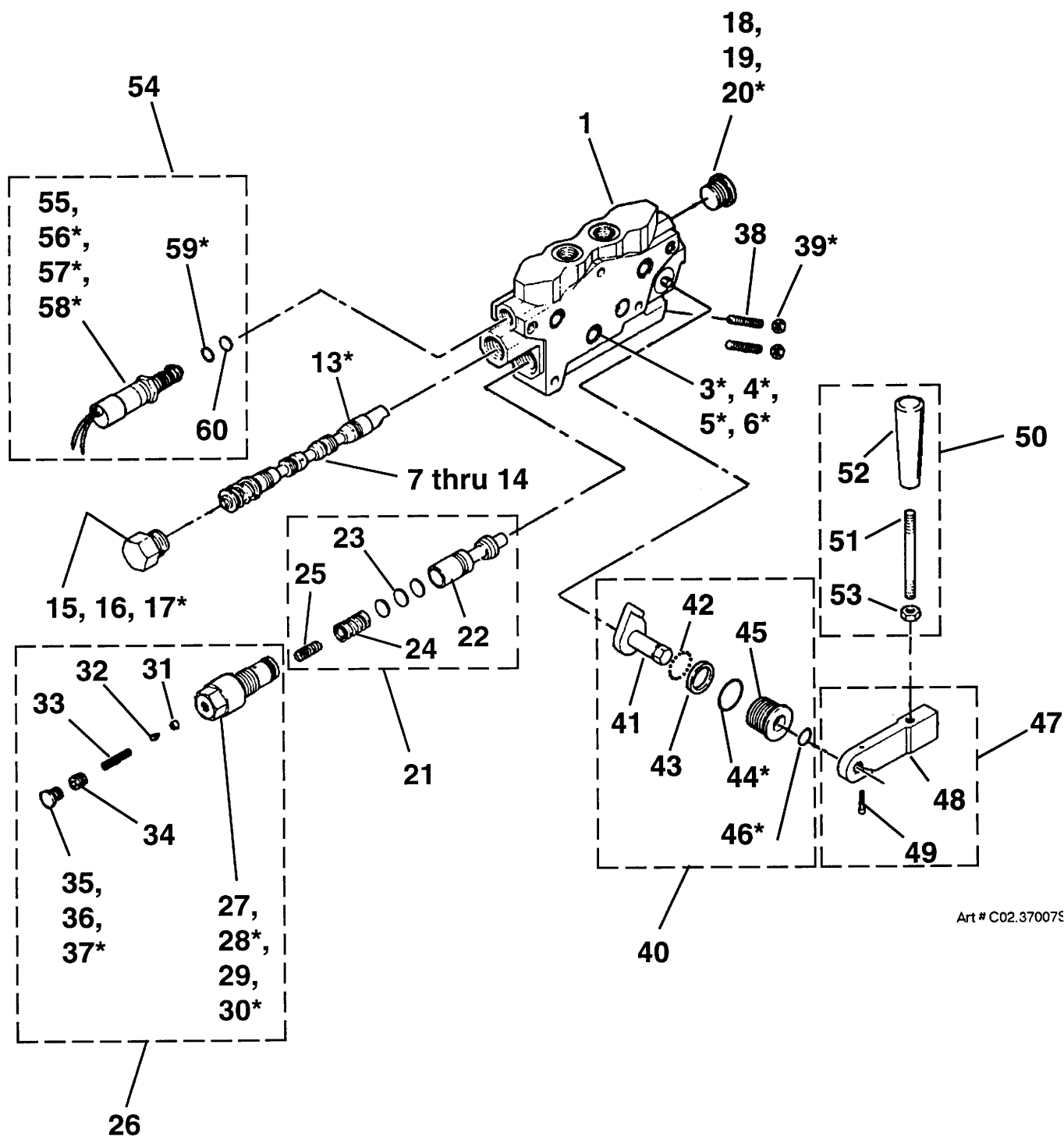


TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

PARTS LIST

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

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



Art # C02.370075

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

SIMON AERIALS INC.

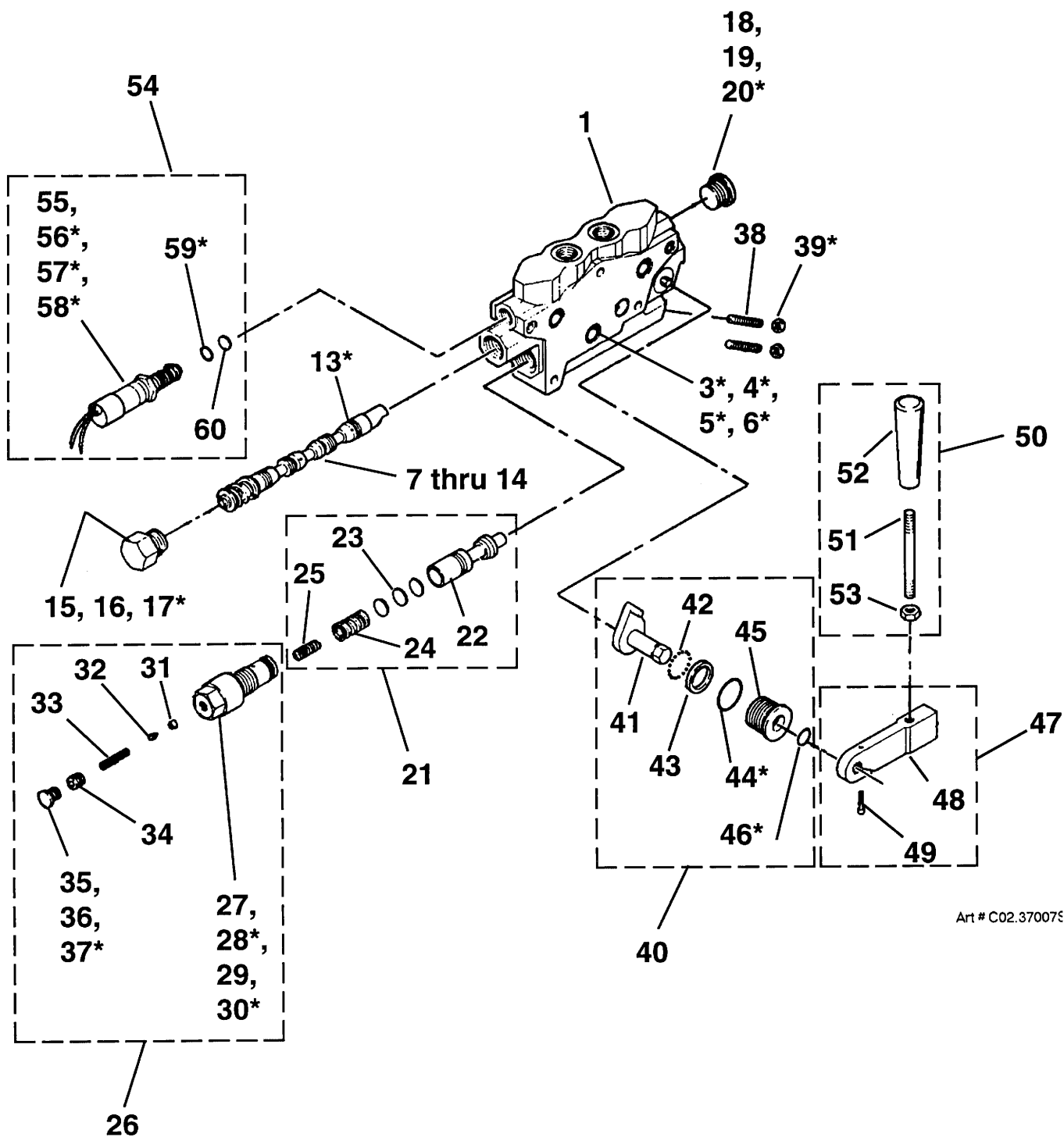
REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.07

ITEM	PART NO	SE SECT
21	Call Simon Call Simon	
22 23		
24 25		
26	01-211016 Call Simon	
27 28		*
29 30 31		*
32 33 34		
35 36 37		*
38	01-211010 Call Simon	
39	01-211011 Call Simon	*
40	01-211008 Call Simon	
41 42 43		
44 45 46		*
TITLE TELESCOPE V		
PLATE NO.	D13.07	SI



Art # C02.370075

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

SIMON AERIALS INC.

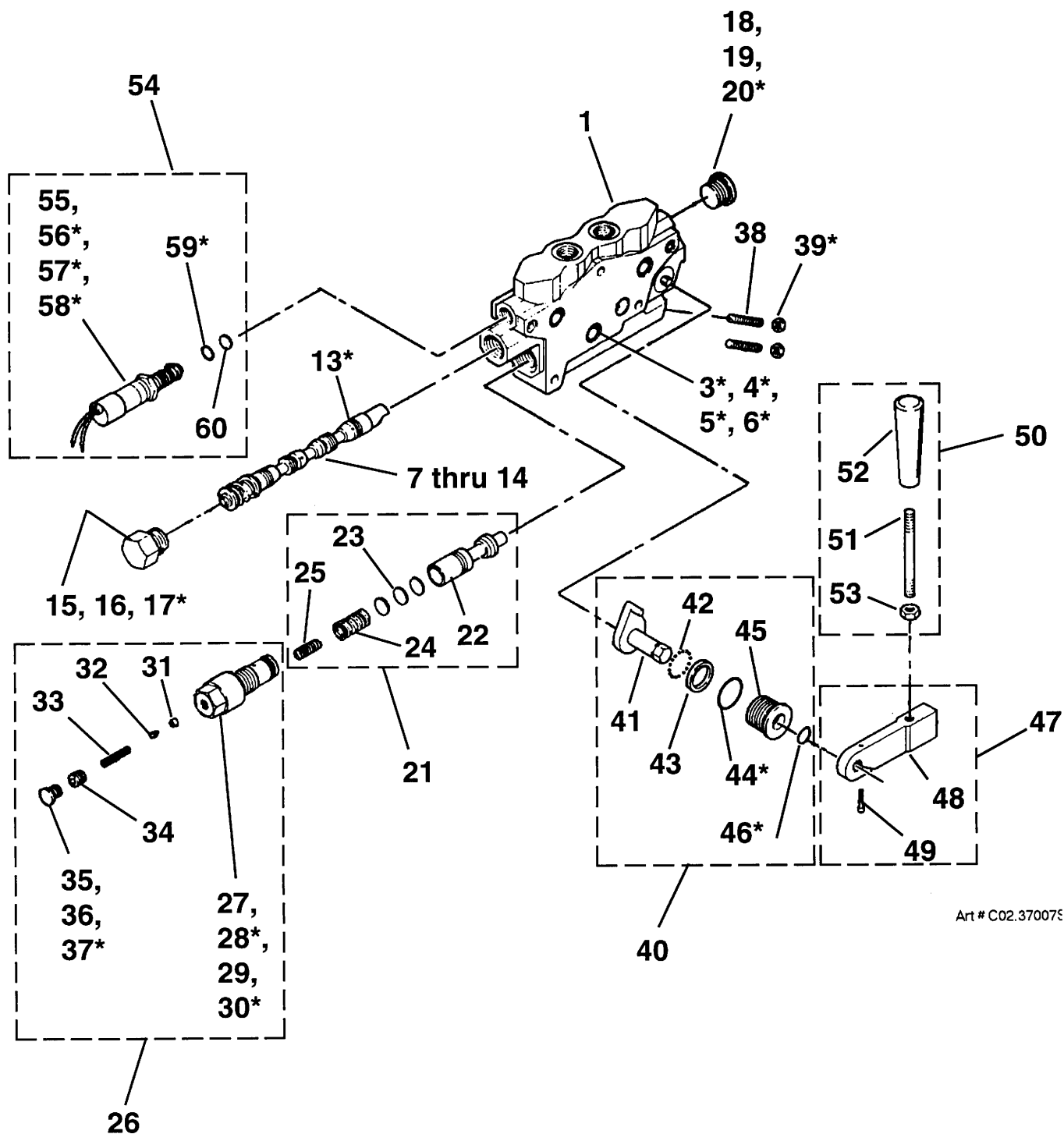
REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

[illegible]

PLATE NO.	D13.07	SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.
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Art # C02.370075

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

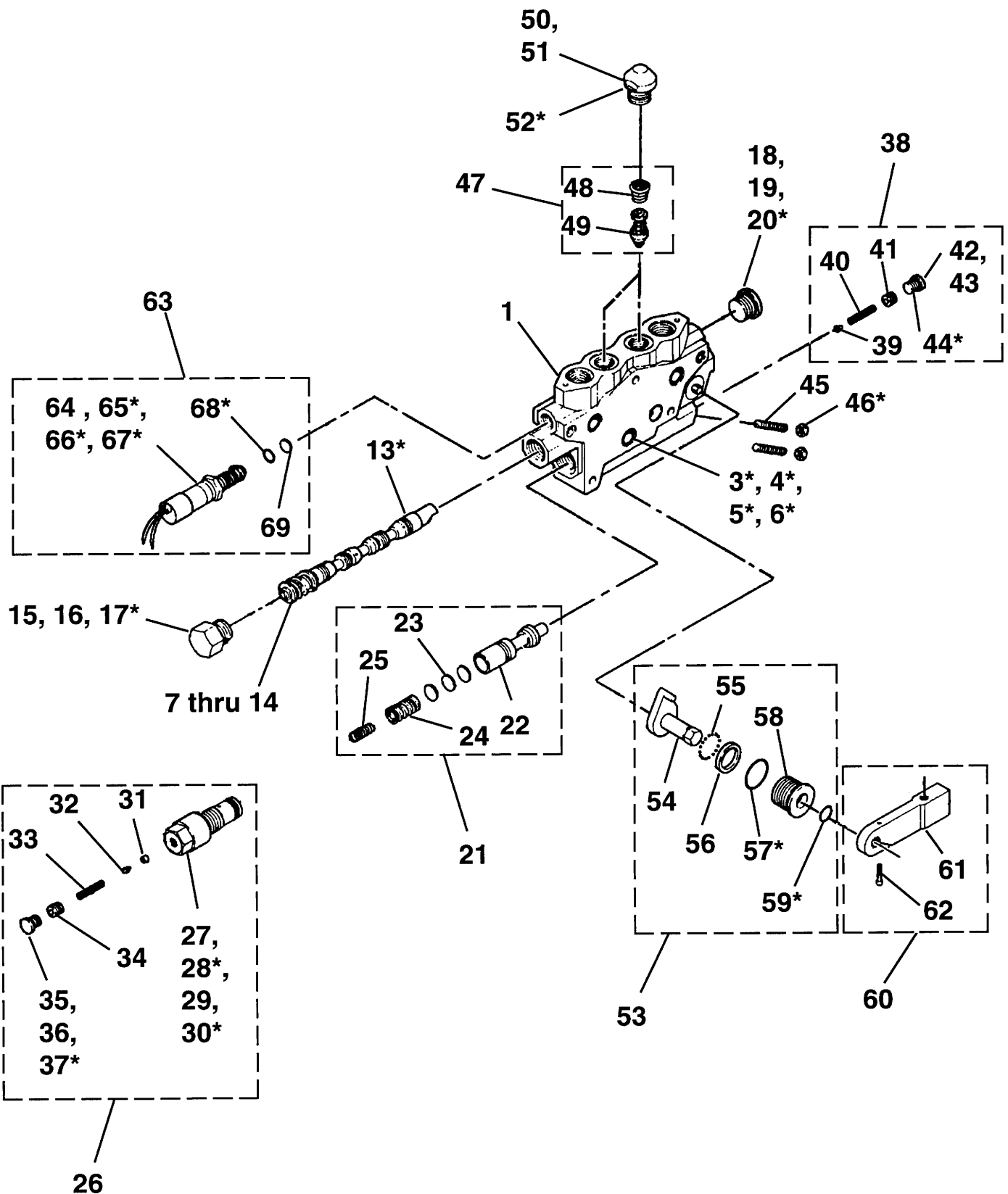
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

ITEM	PART NO	SEE SECTION	
			NOTE: W specify M stamped
	Call Simon Call Simon		STEER VA for first t for seco
1			HOUSING
2	01-211004 Call Simon		SEAL KIT, for first t for seco
3			SEAL KI
4			BALL (
5			"O"-RI
6			"O"-RI
			plus all it
7	Call Simon Call Simon		SPOOL KI for first t for seco
8			SPOOL
9			RING,
10			GUIDE
11			SPRIN
12			SHIM
13		*	"O"-RI
14			HOOK
15	01-211013 Call Simon		PLUG, HE for first t for seco
16			PLUG
17		*	"O"-RI
18	Call Simon Call Simon		PLUG, SC for first t for seco
19			PLUG
20		*	"O"-RI
TITLE STEER VALVE, MP/ RP (ELE			
PLATE NO. D13.08		SIMON AERI	



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

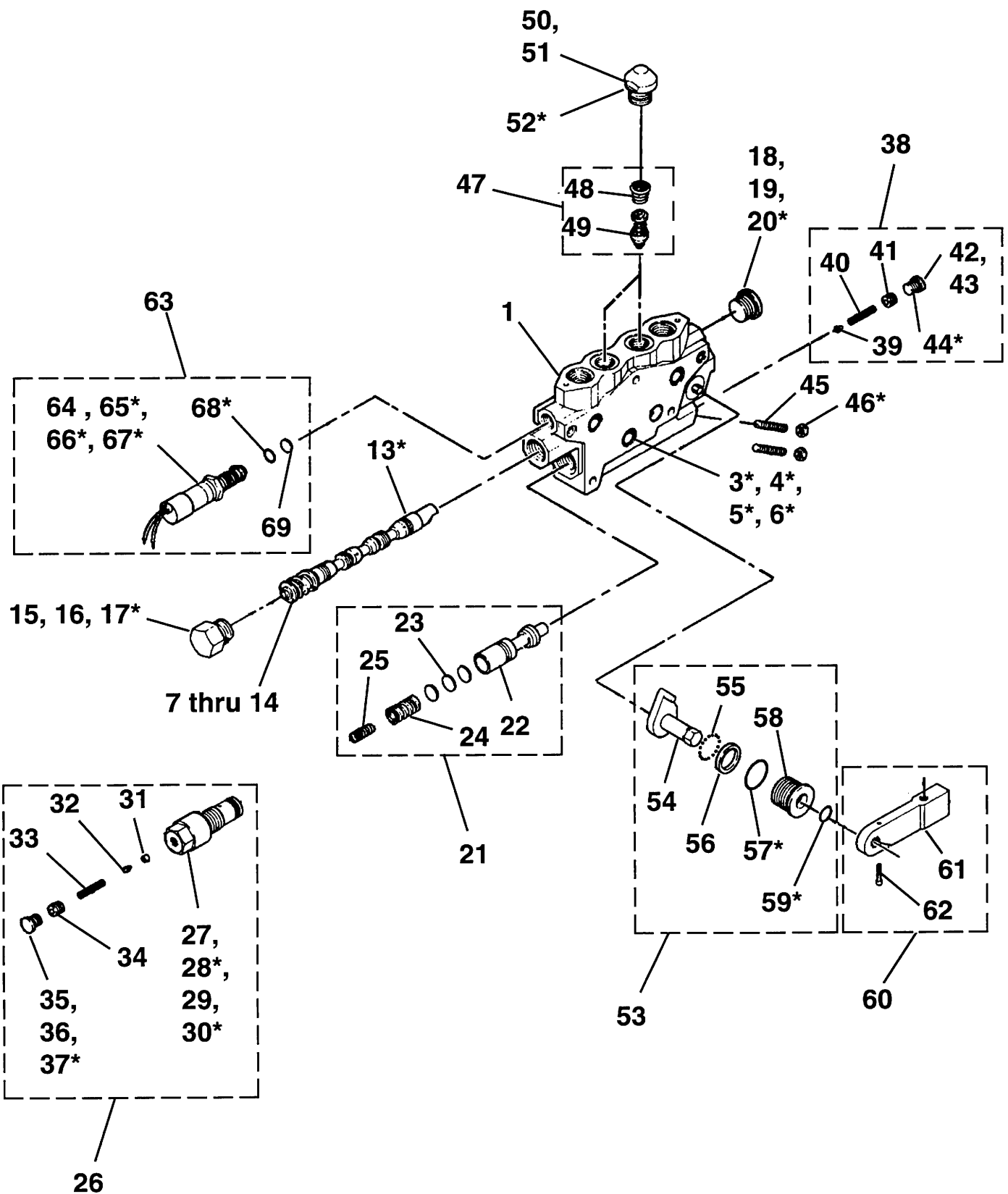
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 Gal [37.8 Liters]/ Min flow or greater)	1
26	01-211006 Call Simon		CARTRIDGE KIT, PRESSURE LIMITER for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27			PLUG, RELIEF	1
28		*	"O"-RING	1
29			RING, BACKUP	1
30		*	"O"-RING	1
31			SEAT	1
32			POPPET, RELIEF	1
33			SPRING, RELIEF	1
34			SCREW, ADJUSTMENT	1
35			PLUG, HEX	1
36			PLUG	1
37		*	"O"-RING	1
38	01-211005 Call Simon		PRESSURE LIMITER KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			POPPET, PRESSURE LIMITER	1
40			SPRING, PRESSURE LIMITER	1
41			SCREW, ADJUSTMENT	1
42			PLUG, SOCKET HEAD	1
43			PLUG	1
44		*	"O"-RING	1
45	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
46	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)				
PLATE NO.	D13.08	SIMON AERIALS INC.		PART NO.
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

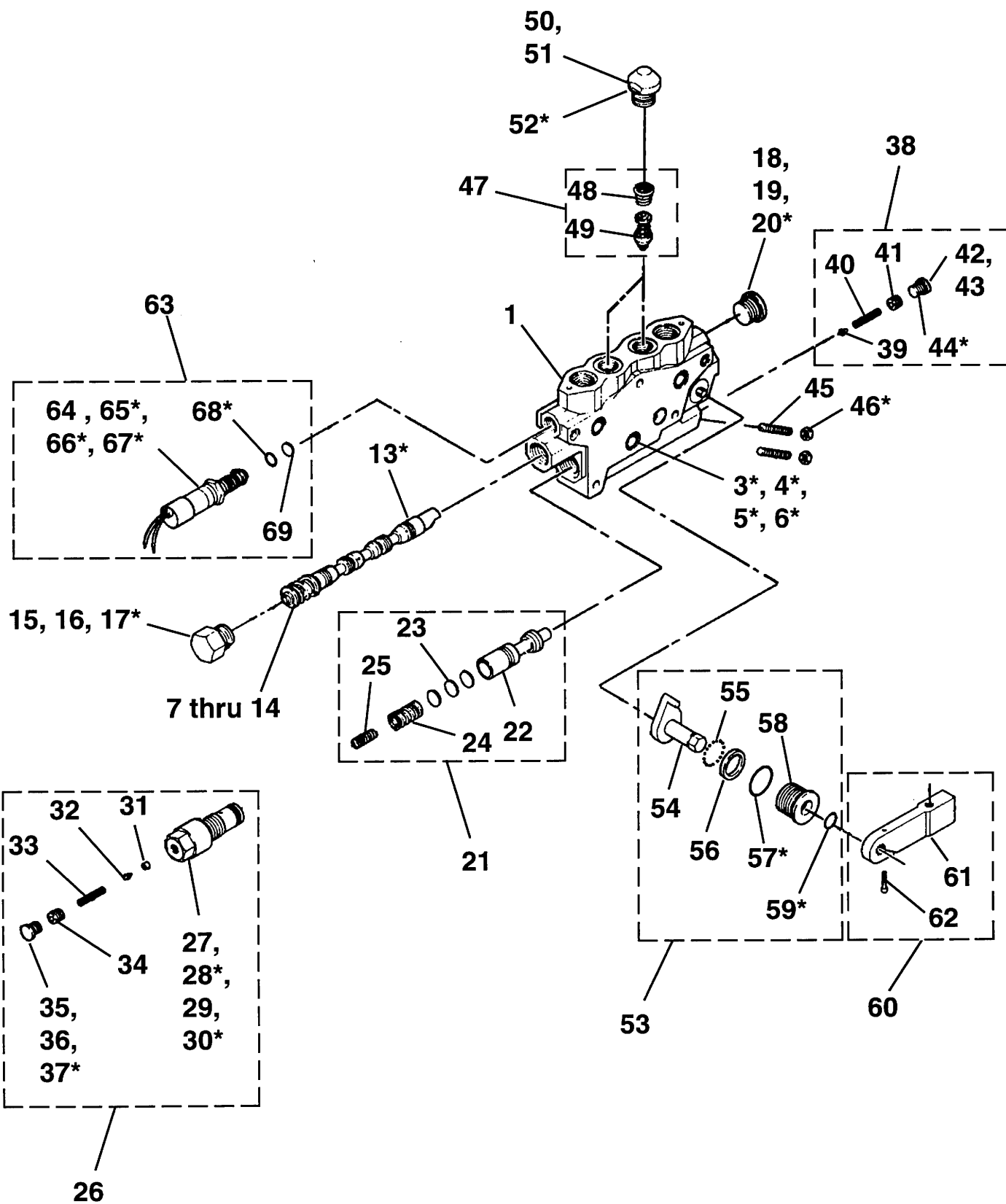
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47	01-211007 Call Simon		RELIEF KIT (with anti-cavitation valve) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
48			CARTRIDGE ASSEMBLY	1
49			SPRING	1
50			PLUG, WORK PORT	1
	Call Simon Call Simon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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.08

PARTS LIST

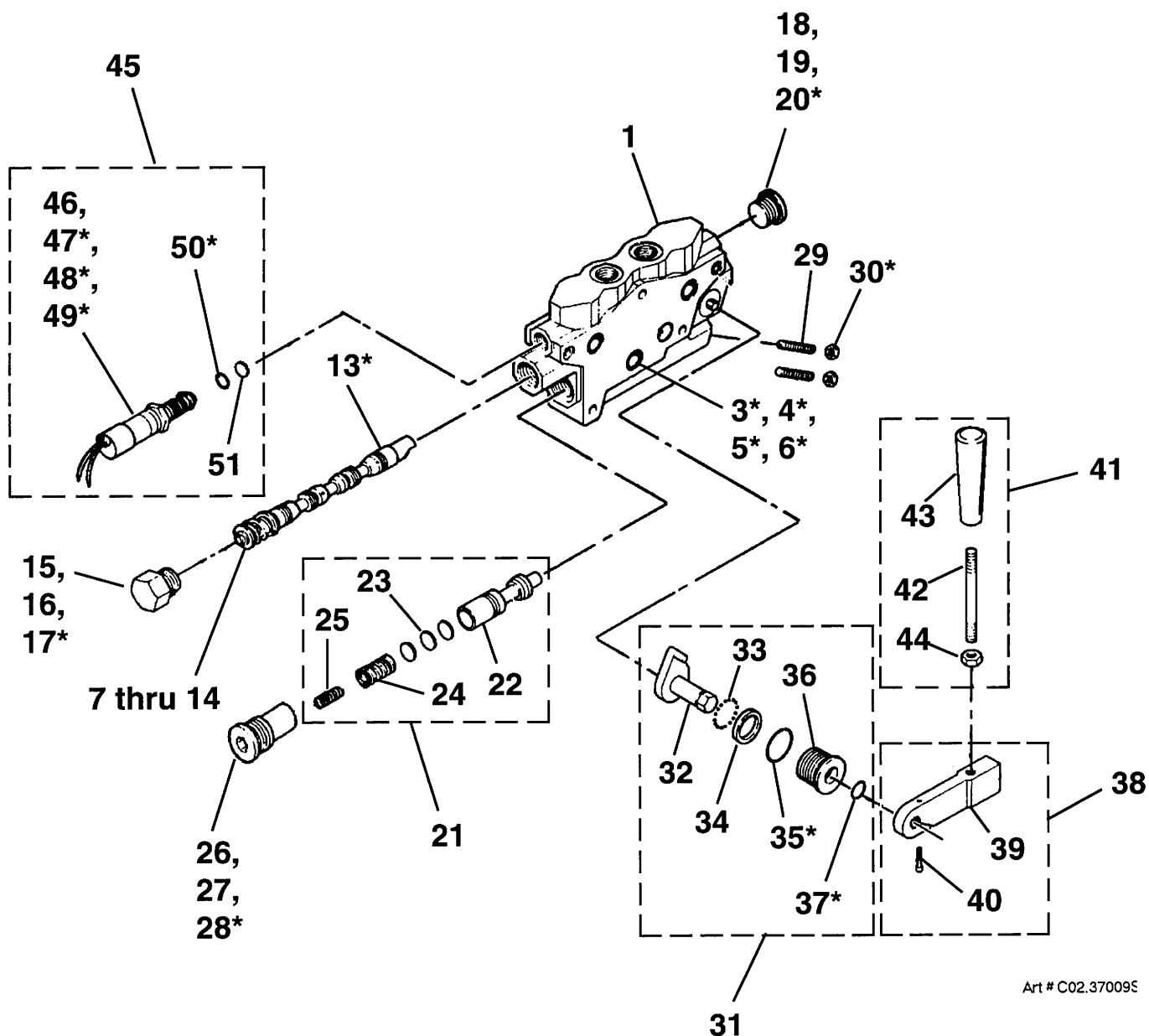
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-231205 01-231203 Call Simon		BOOM RAISE/ LOWER VALVE SECTION for Model RP 66 main boom for Model RP 66 jib boom for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1	01-211004 Call Simon		HOUSING,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

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

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

REV. 26 JUL., 1994

PART NO.



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

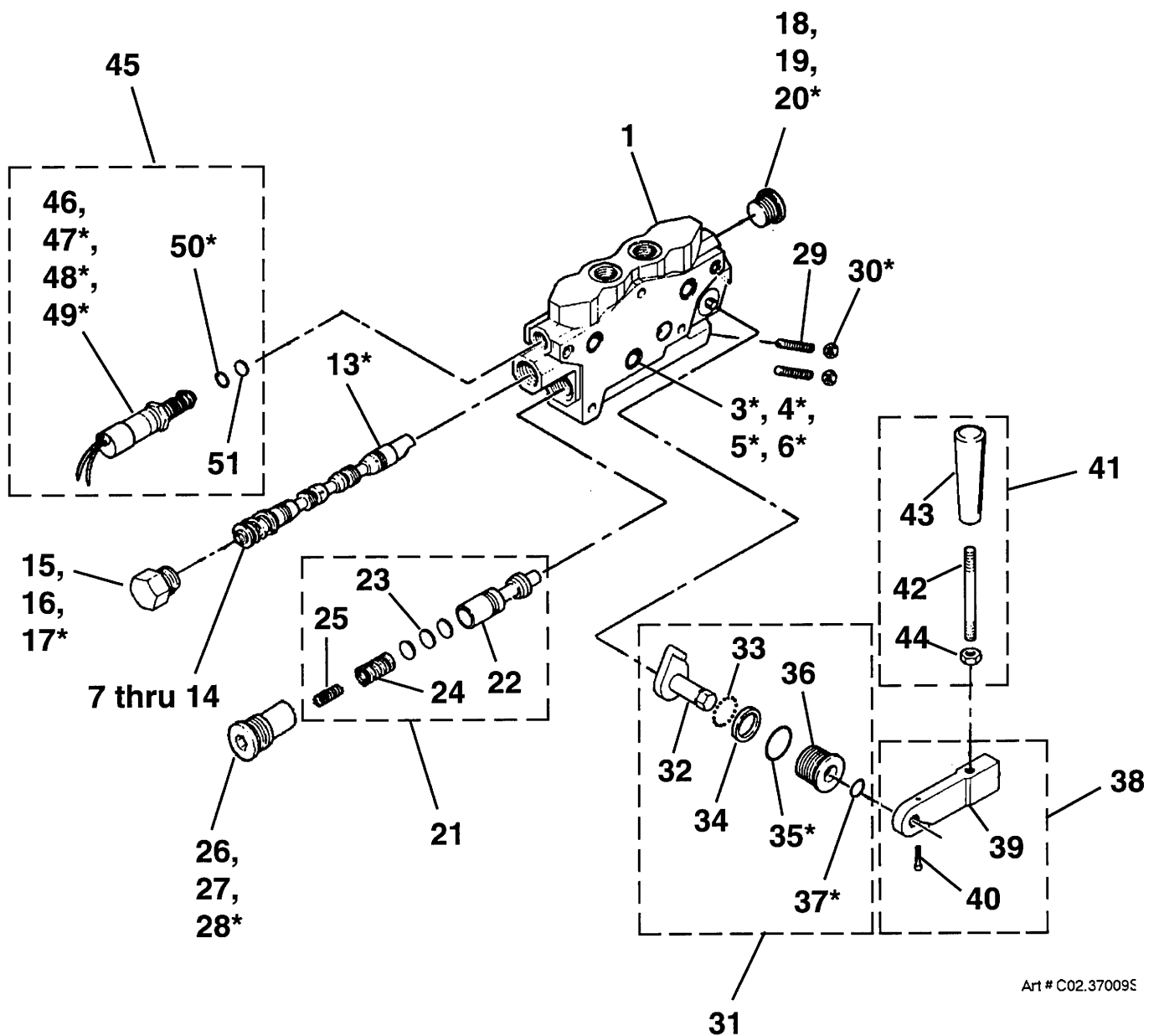
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.09

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
24			SHIM (.003" [.076 mm])	3
25			SPRING, COMPENSATOR (outer)	1
			SPRING, COMPENSATOR (inner, needed for 10 GPM [37.8 LPM] flow or greater)	1
26	01-211015 Call Simon		PLUG, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27			PLUG	1
28		*	"O"-RING	1
29	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
30	01-211011 Call Simon	*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
31	01-211008 Call Simon		HANDLE SHAFT KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
32			LINK, SHAFT	1
33			BALL (Steel)	17
34			RETAINER, BEARING	1
35		*	"O"-RING	1
36			PLUG, OVERRIDE	1
37		*	"O"-RING	1
38	01-211014 Call Simon		OPERATOR LINKAGE KIT (fixed) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			ADAPTER, HANDLE	1
40			CAP SCREW	1
41			HANDLE KIT	1
42	01-211003 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies ROD, HANDLE	1
43			KNOB	1
44			NUT, JAM	1
TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)				
PLATE NO.	D13.09	SIMON AERIALS INC.		PART NO.
			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

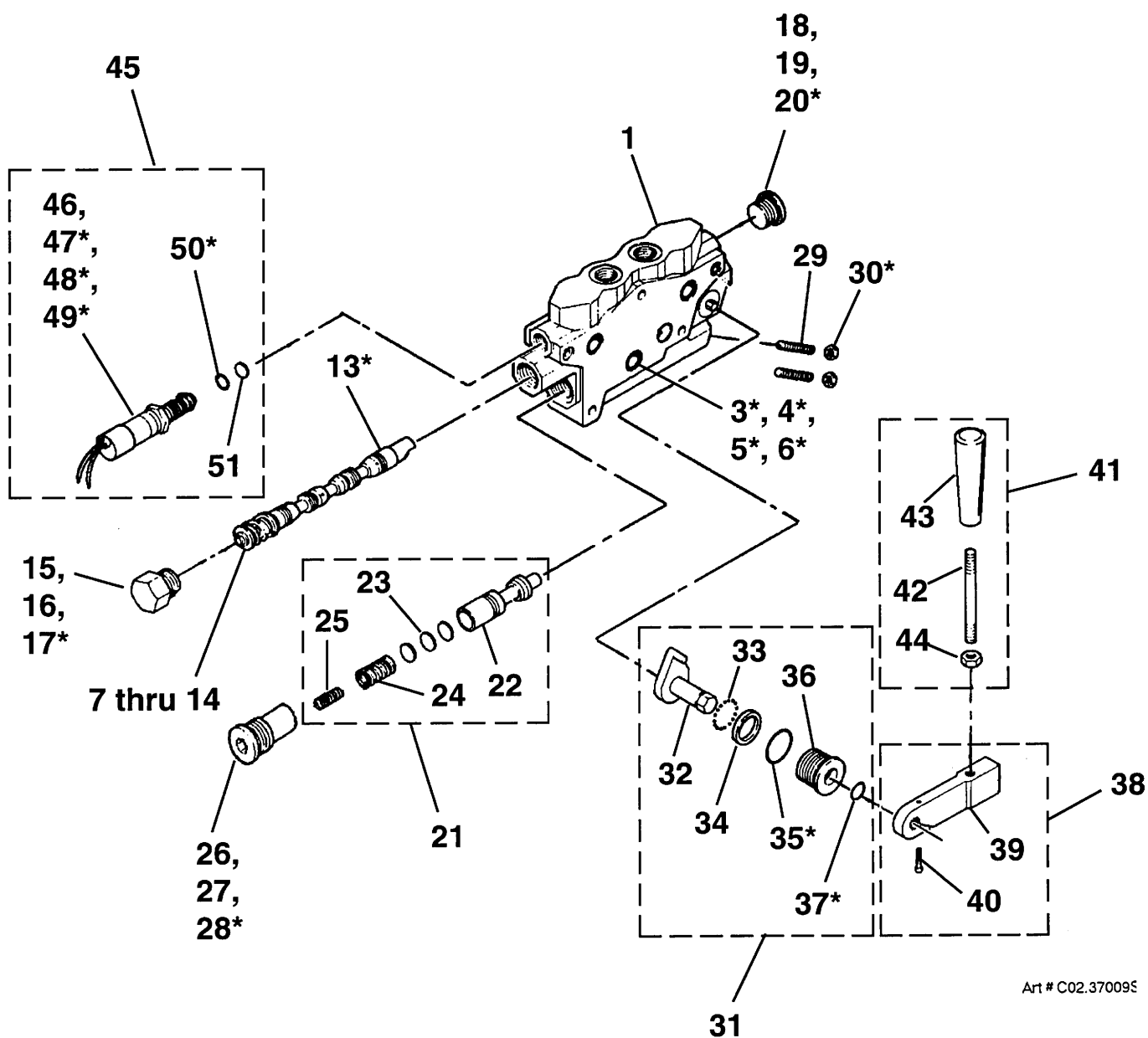
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TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

PLATE NO. D13.09

REV. 26 JUL., 1994

**PART
NO.**



Art # C02.370095

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.09

PARTS LIST

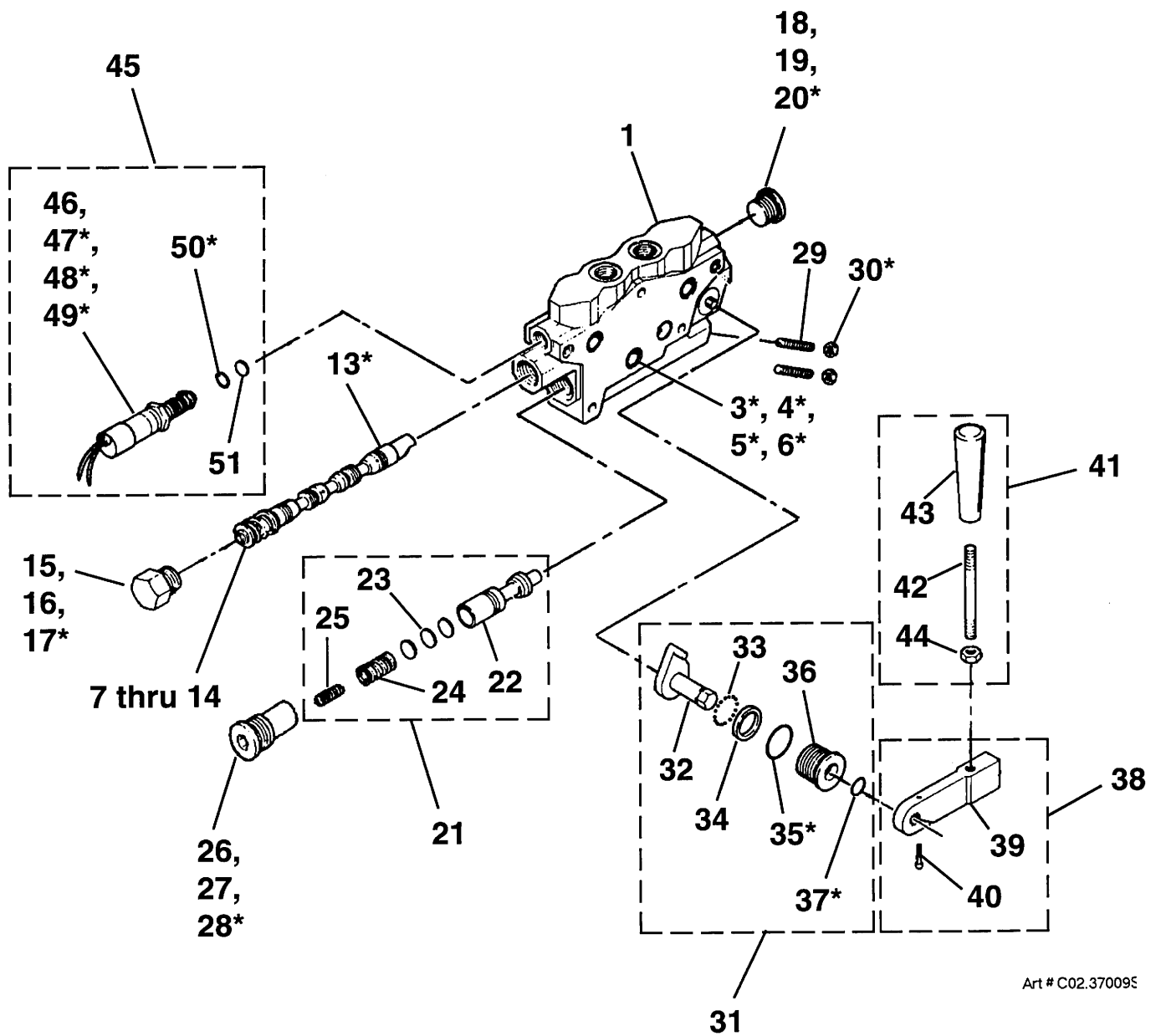
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-231206 Call Simon		SWING VALVE SECTION for Model RP 66 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, SWING VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT . . .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

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

PLATE NO. D13.10 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



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

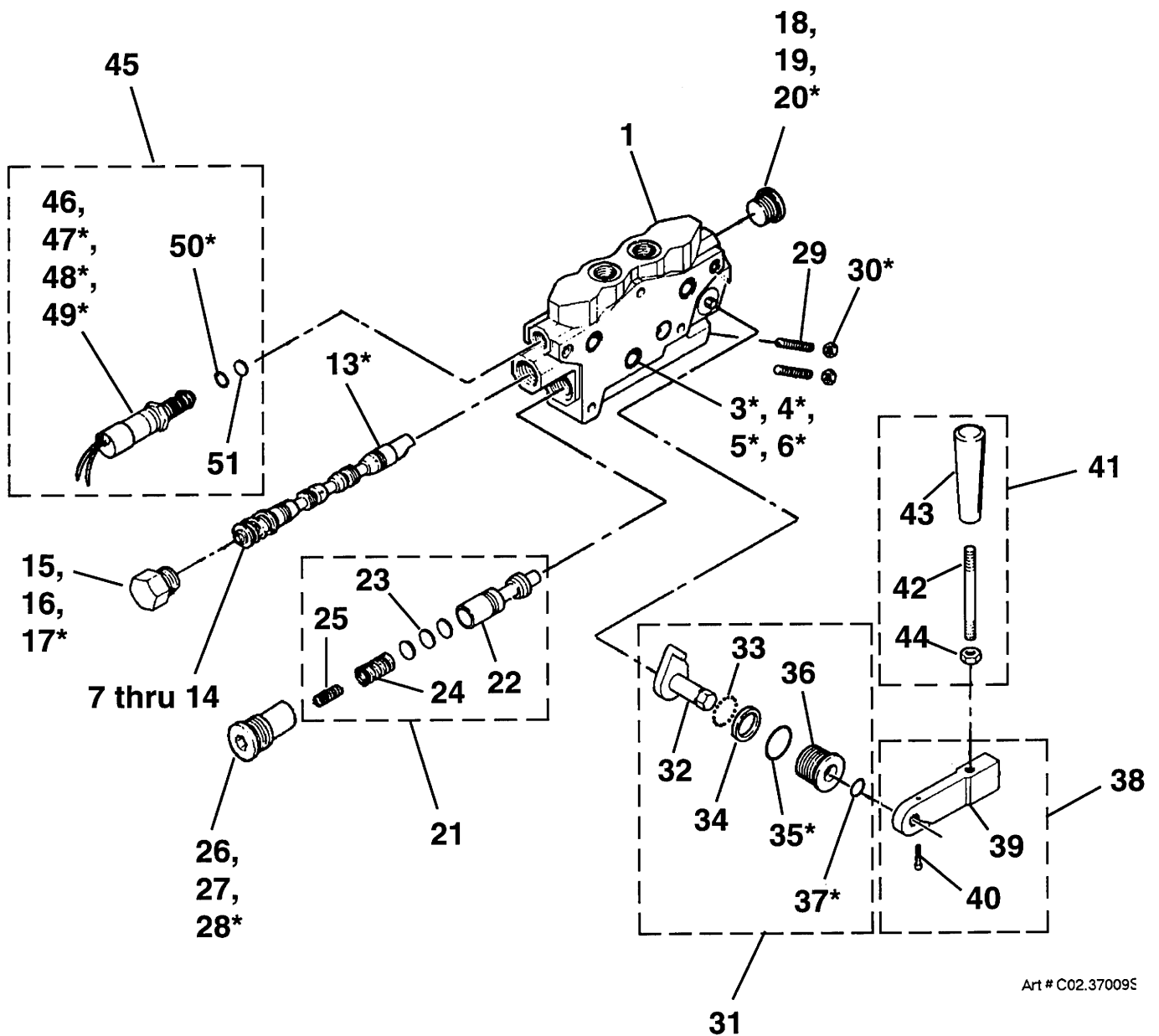
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.10**

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



Art # C02.37009S

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

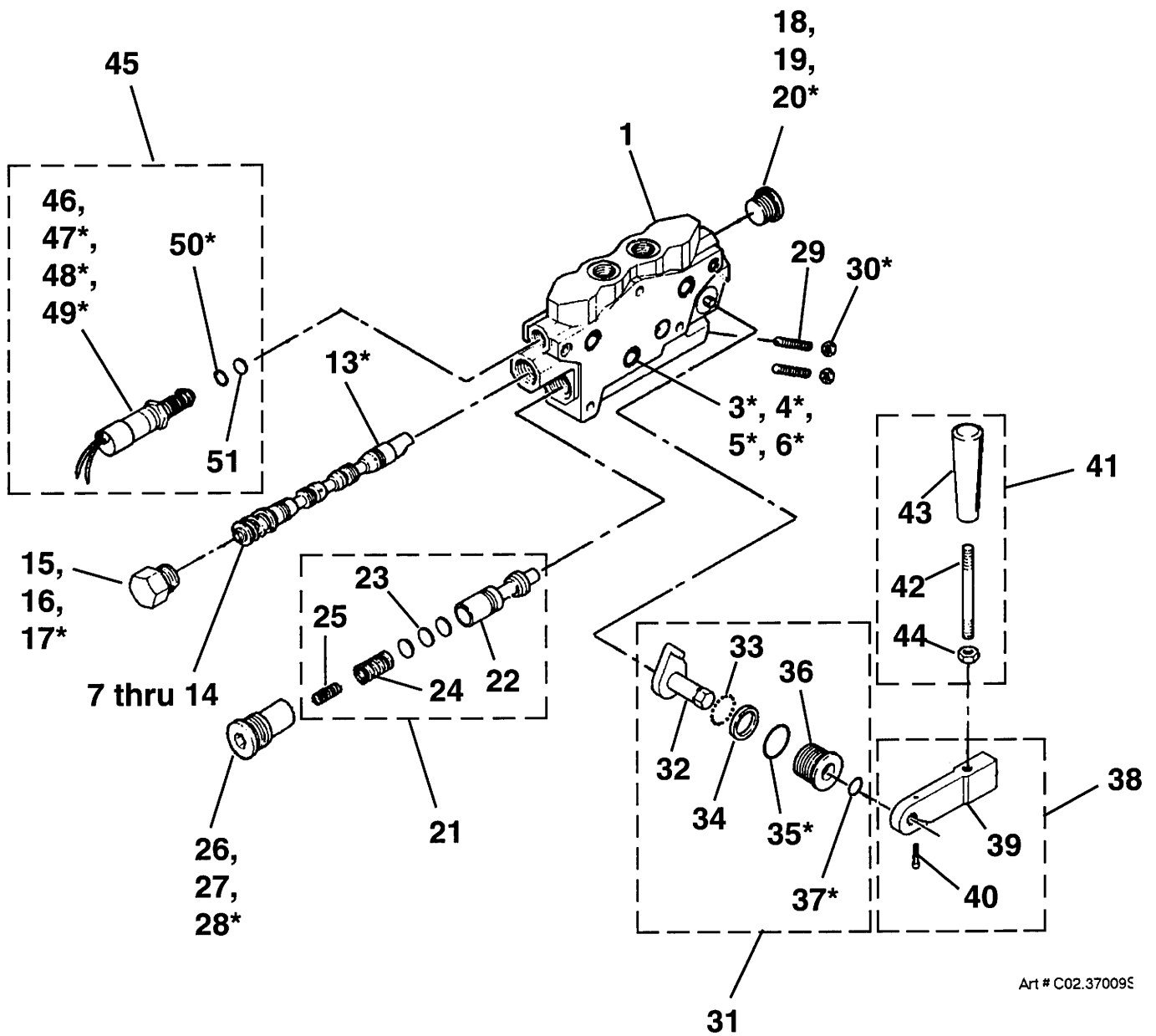
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.10

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Art # C02.370095

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

SIMON AERIALS INC.

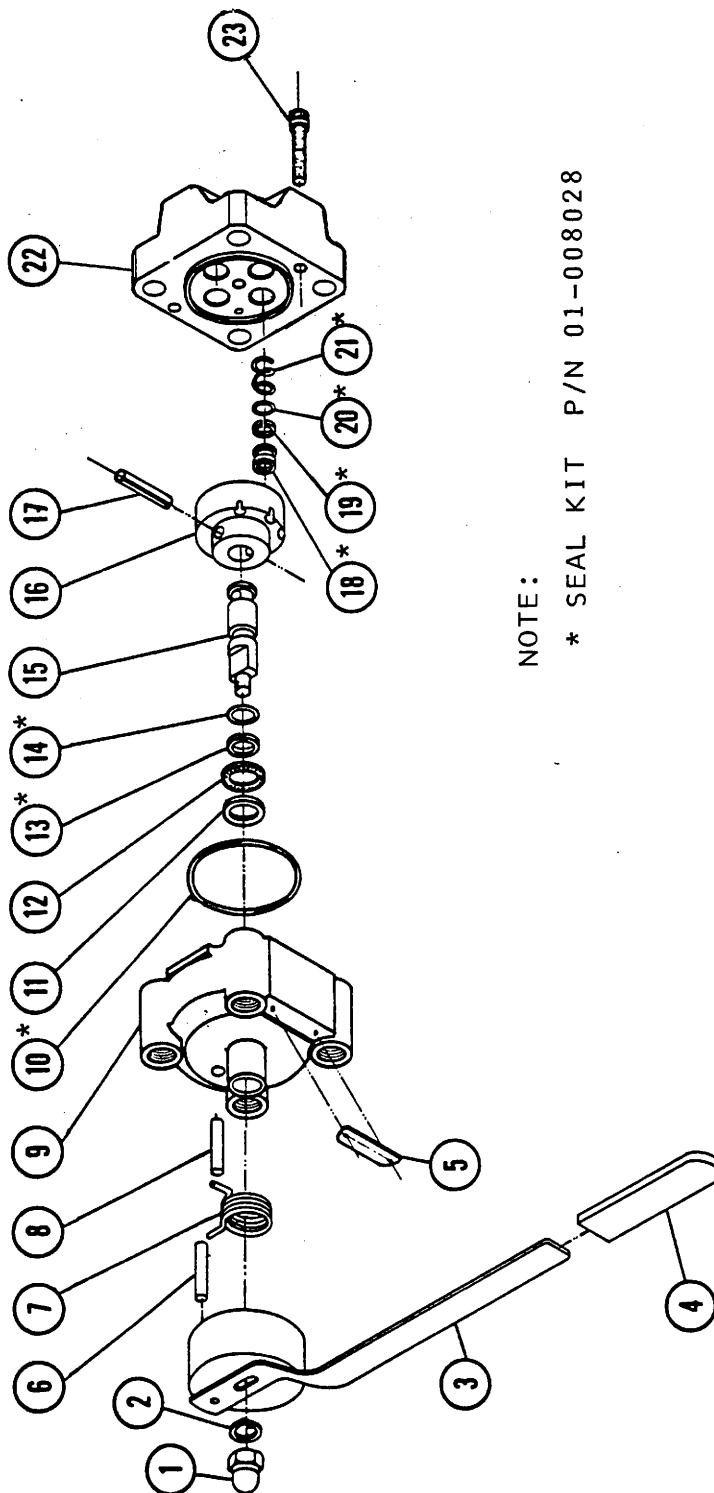
REV. 26 JUL., 1994

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			4-WAY MANUAL VALVE	PART NO. 01-008000



NOTE:

* SEAL KIT P/N 01-008028

1283/0677

DESCRIPTION

4-WAY MANUAL VALVE

PART NO.

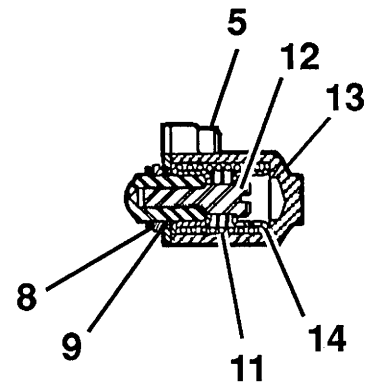
01-008000

PARTS LIST

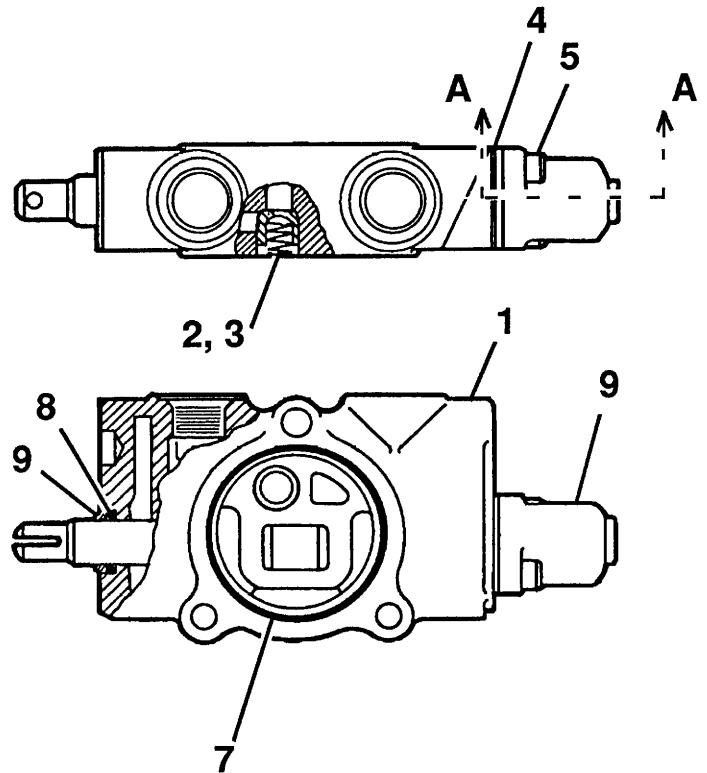
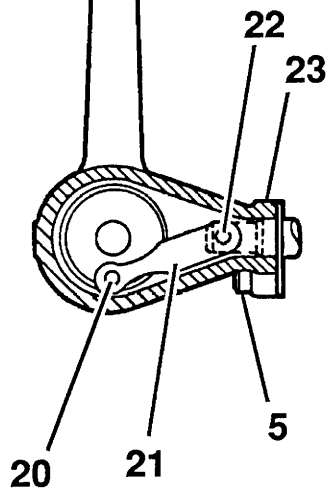
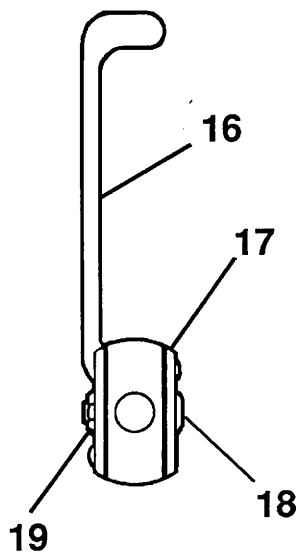
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-067701		VALVE ASSEMBLY, 4-WAY MANUAL Important: Part No. 01-067701 includes items 1 through 14 only. To get a complete valve assembly you must order 01-067701 and 01-067702 (item 15).	1
2			POPPET, CHECK VALVE	1
3			SPRING, CHECK VALVE POPPET	1
4			PLATE,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

TITLE 4-WAY MANUAL VALVE, MOTORING SPOOL

PLATE NO. D14.02	SIMON AERIALS INC.	REV. 26 APR., 1993	PART NO. 01-067701
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Section "A-A"



TITLE

4-WAY MANUAL VALVE, MOTORING SPOOL

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

01-067701

PLATE
NO.

D14.02

PARTS LIST

[illegible]

TITLE

4-WAY MANUAL CONTROL VALVE

**PLATE
NO.**

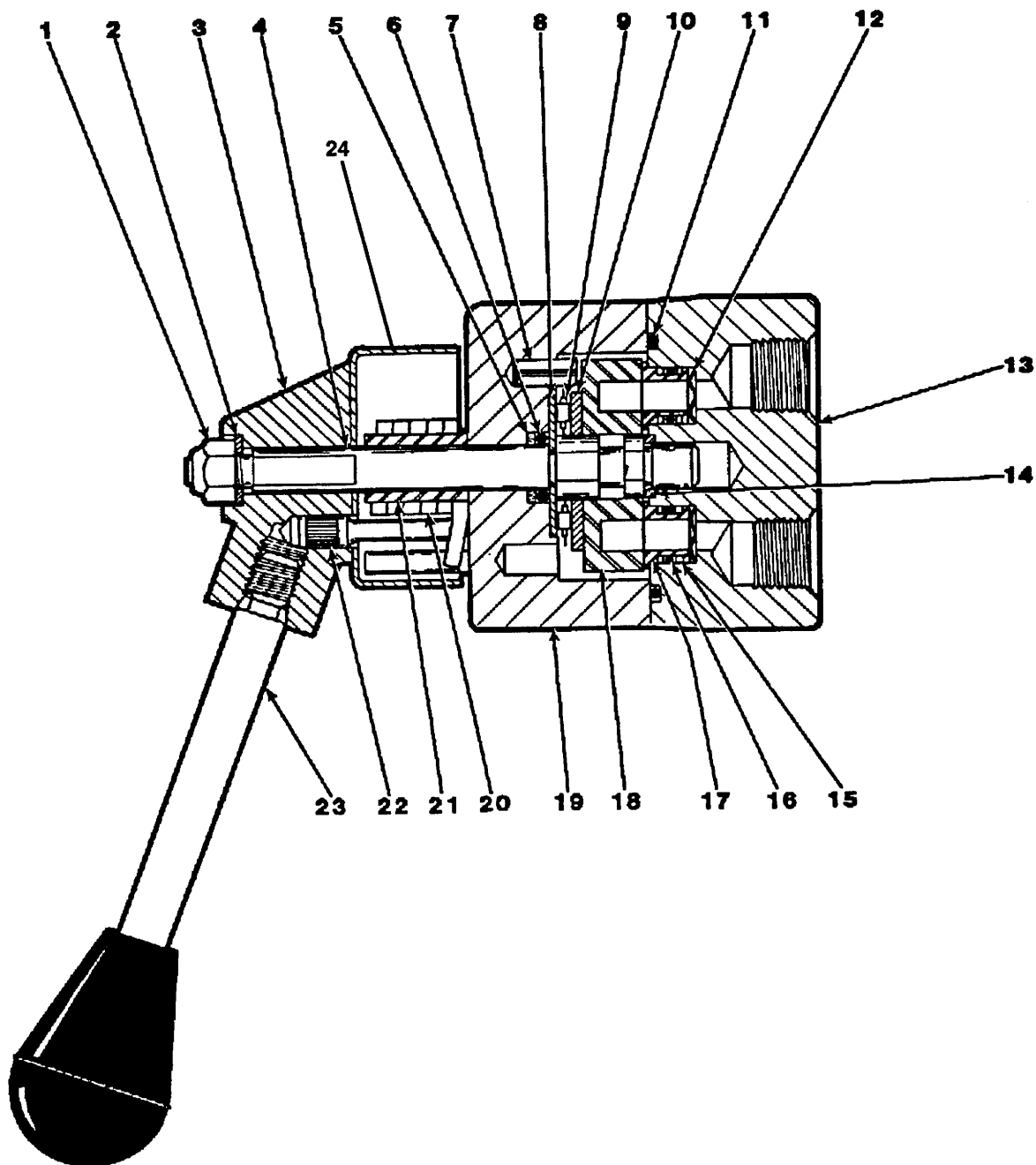
D14.03

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

01-069900



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 26 APR., 1993

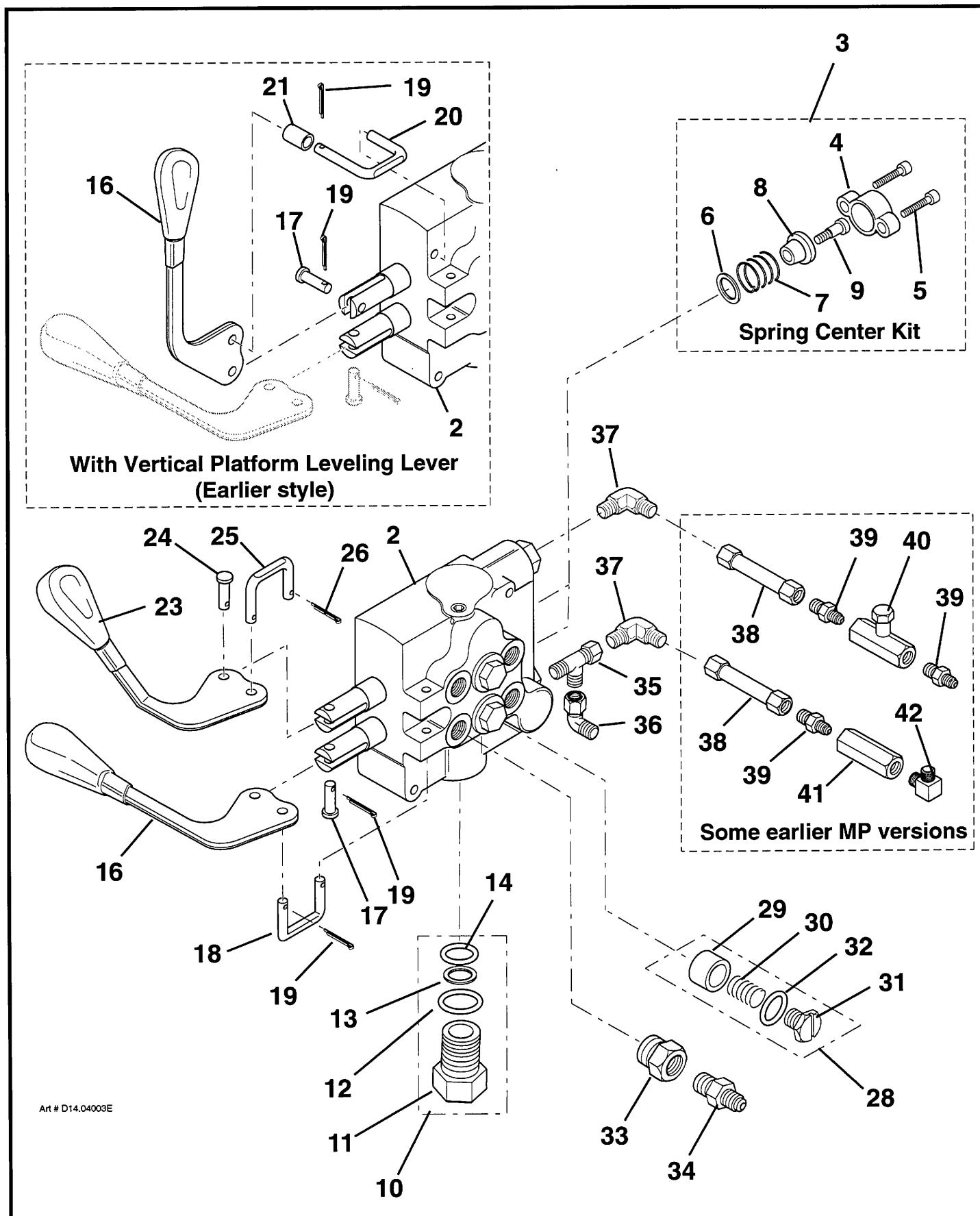
PART
NO.

01-069900

PLATE
NO.

D14.03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL	1
	352 4590		for MP Series except MP 110	
			for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40 :	
	353 1480		Early style (Platform leveling lever is mounted vertically)	
	353 3920		Later style (Platform leveling lever is bent 45° upward)	
			for Trailblazer 60	
1			VALVE, PLATFORM ROTATE AND LEVEL	
			(Modified two spool valve 01-207100)	1
	218 1260		Early style (Platform leveling lever mounted vertically)	
	230 0610		Later style (Platform leveling lever is bent 45° upward)	
2			SPOOL AND BODY ASSEMBLY	
3	01-207103		SPRING CENTER KIT	2
4			CAP, END	1
5			SCREW (with lock washer)	2
6			WASHER	1
7			SPRING, RETURN	1
8			SPACER	1
9			BOLT, SHOULDER	1
10			BUSHING KIT, POWER BEYOND	1
11			BUSHING, POWER BEYOND	1
12			"O"-RING	1
13			RING, BACKUP	1
14			"O"-RING	1
15	01-207102		HANDLE KIT (Straight handle)	A.R.
16	01-207105		HANDLE	1
17	01-098403		PIN, CLEVIS	1
18	01-207104		"C"-HOOK	1
19	01-207106		PIN, COTTER	3
20	218 0880		PIN, PIVOT (For earlier style platform leveling lever. Replaces "C"-hook in handle kit above.)	1
21	218 0900		SPACER, VALVE PIVOT PIN	
			(For earlier style vertical platform leveling lever)	1
22	01-207107		HANDLE KIT (45° angled handle, for later style platform leveling lever.)	1
23	01-207108		HANDLE	1
24	01-098403		PIN, CLEVIS	1
25	01-207104		"C"-HOOK	1
26	01-207106		PIN, COTTER	3
TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO. D14.04		SIMON AERIALS INC.		PART NO.
REV. 29 NOV., 1995				



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

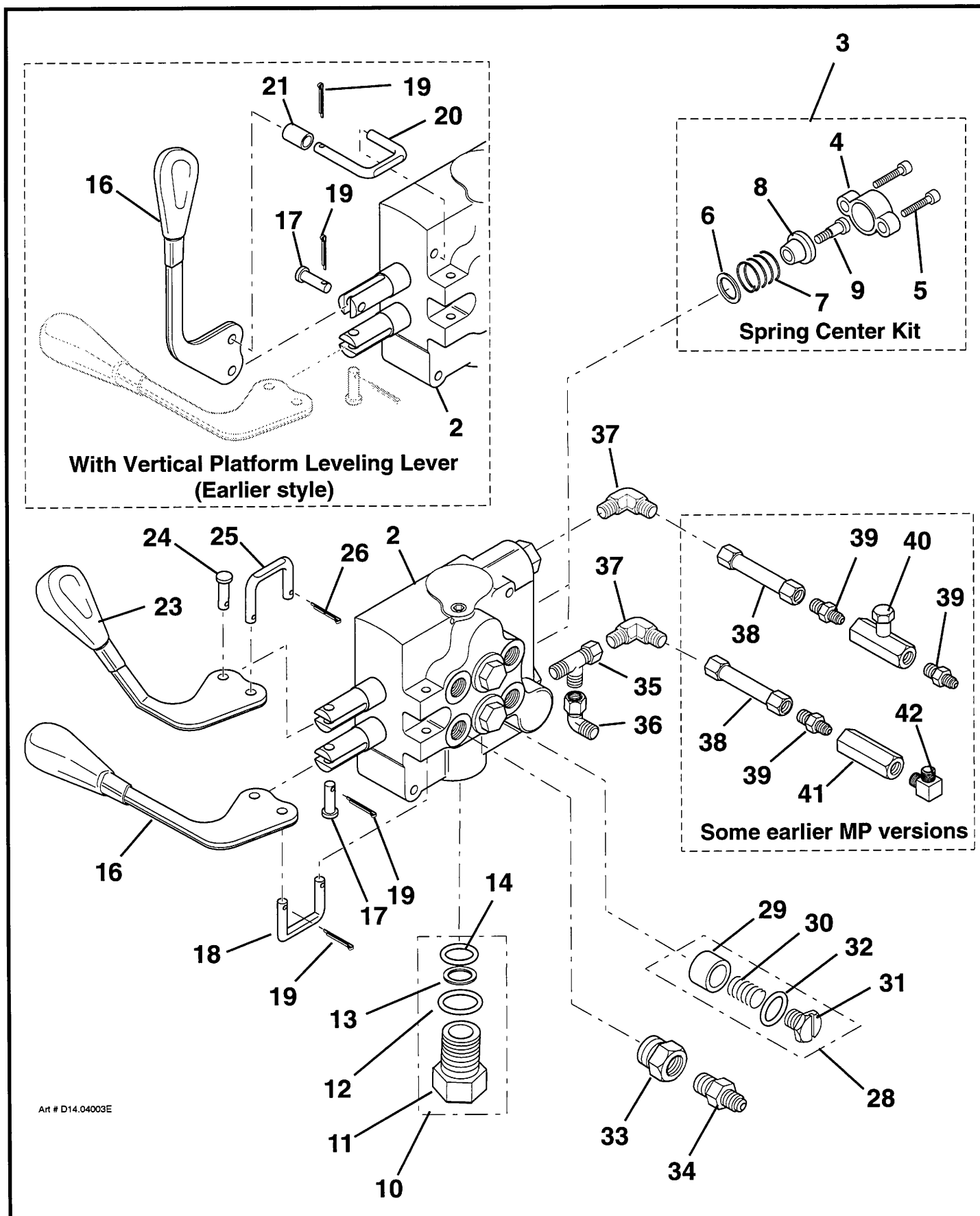
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED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

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

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

REV. 29 NOV., 1995

PART NO.



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

SIMON AERIALS INC.

REV. 29 NOV., 1995

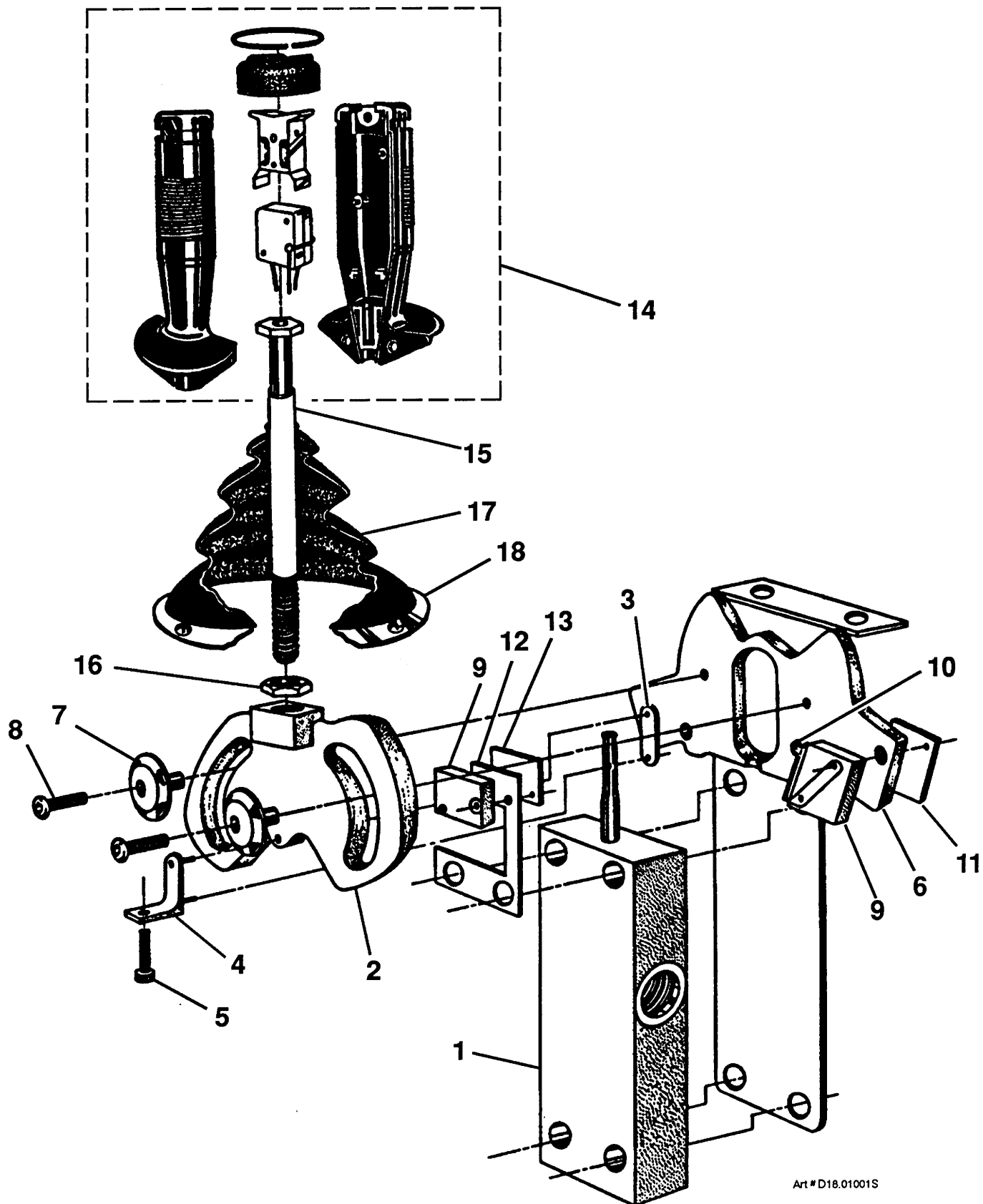
PART
NO.

PLATE
NO. D14.04

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	01-004700	D05.02	VALVE, 2-WAY (Flow control valve)	1	
2	2103190		ACTUATOR, FLOW CONTROL VALVE	1	
3	08-010600		LINK, CHAIN CONNECTING	1	
4	2103170		BACKET, SWITCH ACTUATOR	1	
5	07-008352		SCREW, SOCKET HEAD ("10-24 x 3/4", Grade 5)	1	
6	2103200		BASE, VALVE	1	
7	2102610		BUSHING, FLANGED	2	
8	07-017003		SCREW, BUTTON HEAD (1/4"-20 x 3/4")	2	
9	03-065000		MICRO SWITCH (includes roller lever actuator) Note: Actuator not needed for one switch.	3	
10	03-026500		ACTUATOR, BOLT ON (Roller lever)	1	
11	2103140		PLATE, SWITCH MOUNTING	2	
12	2102640		BACKET, MICRO SWITCH	1	
13	2103150		PLATE, SWITCH MOUN TING	1	
			The following items are not part of the Drive Control Valve Assembly:		
14	03-402200	E01.07	HANDLE ASSEMBLY, DRIVE CONTROL	1	
15	2112760		SHAFT, HANDLE	1	
16	07-040015		NUT, HEX (5/16"-18, Grade 5)	1	
17	03-020805		BOOT, RUBBER	1	
18	2102540		RING, RUBBER BOOT CLAMP	1	
TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY					
PLATE NO. D18.01		SIMON AERIALS INC.		PART NO. 3510034	REV. 08/13/91

DRIVE/ STEER CONTROL VALVE ASSEMBLY

PART NO. 3510034



TITLE

DRIVE/ STEER CONTROL VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 08/13/91

PART
NO.

3510034

PLATE
NO.

D18.01

PARTS LIST

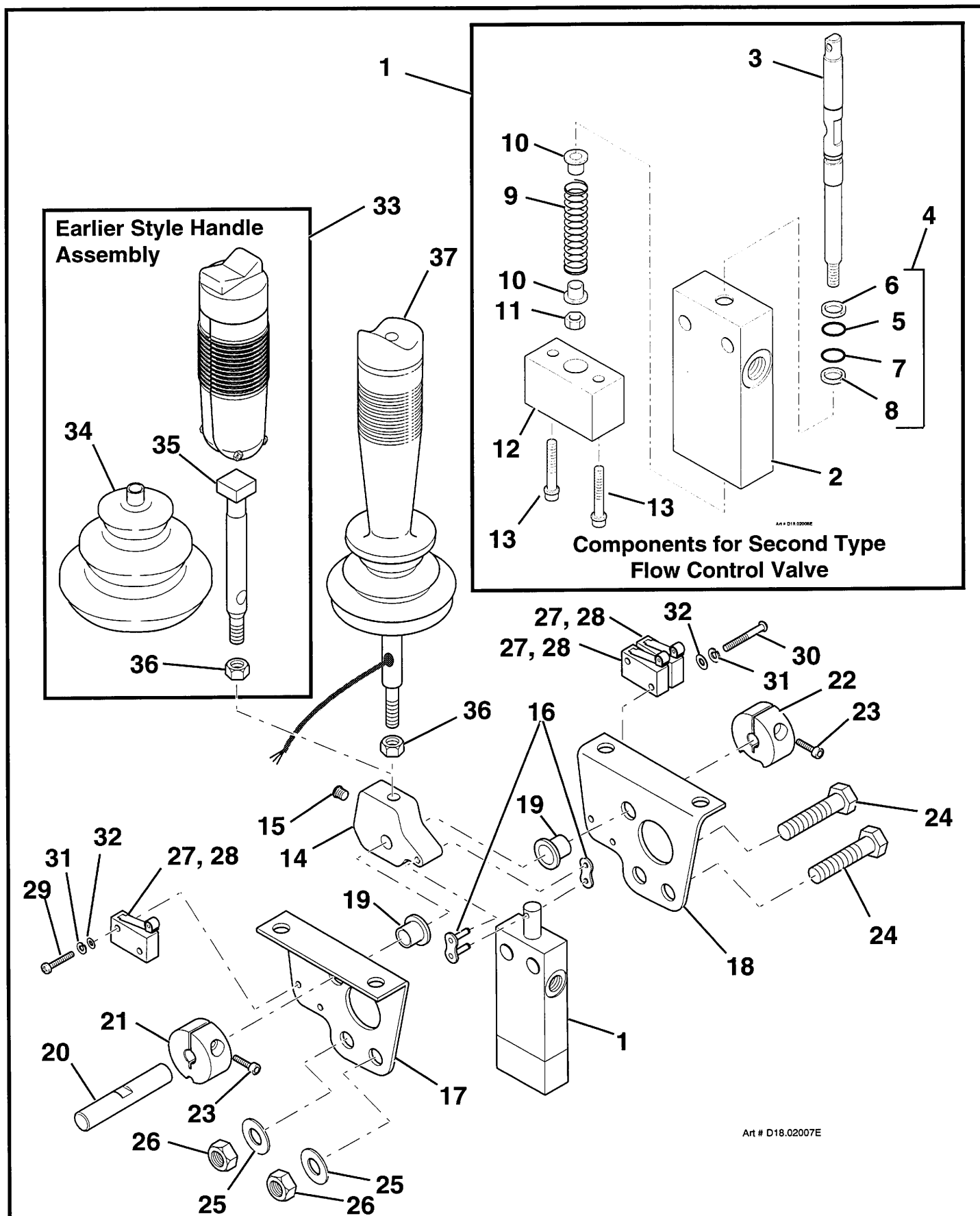
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-072400 01-201400 353 5630 353 5640		VALVE ASSEMBLY, DRIVE CONTROL (First type shown) First type (Not for use with Water Glycol hydraulic fluid) First type (Can be used with Water Glycol hydraulic fluid) Second type (Single cam [Item 21] has three detents)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

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

PLATE NO. D18.02 **SIMON AERIALS INC.**

REV. 16 JAN., 1996

PART NO.



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

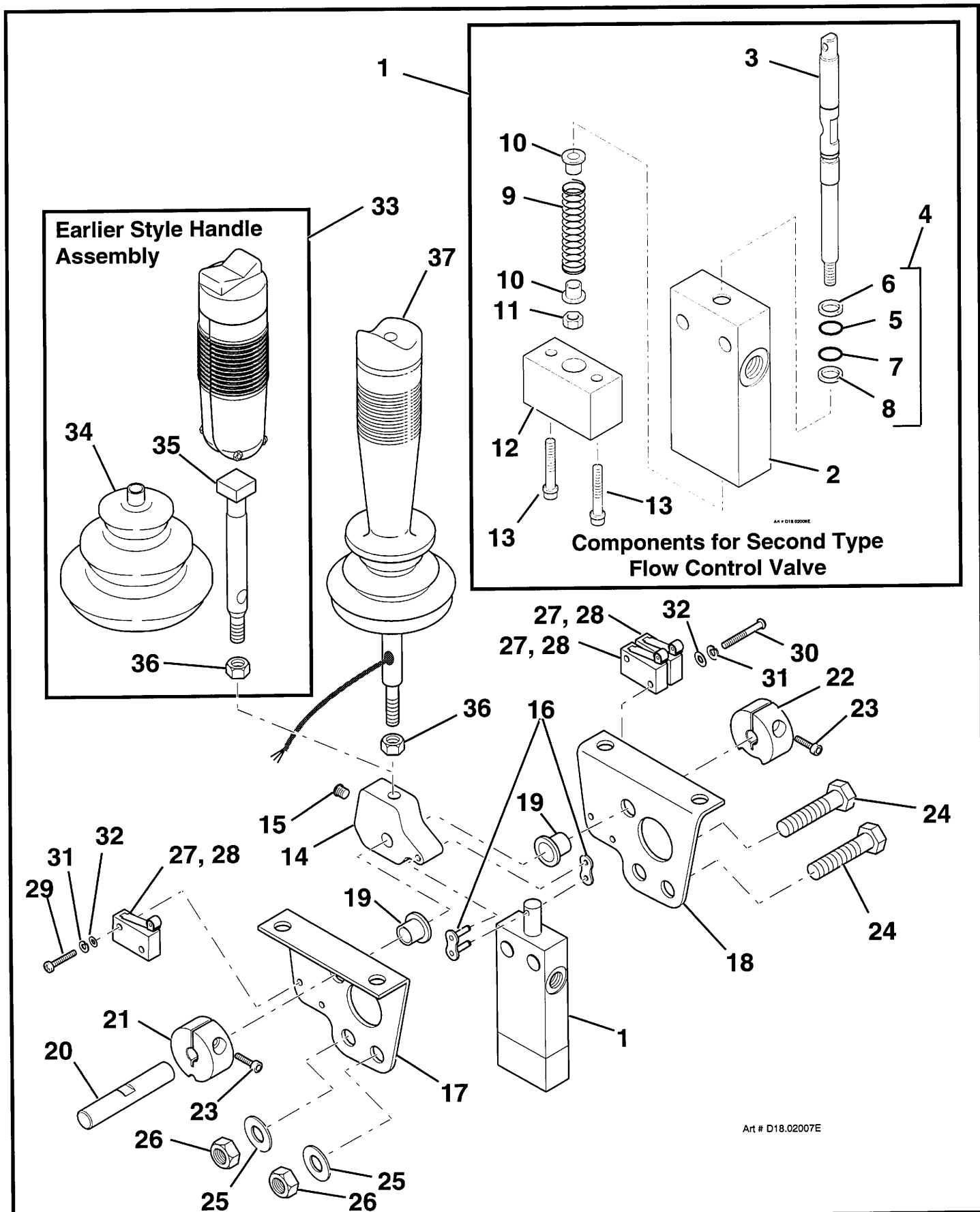
SIMON AERIALS INC.

REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02

[illegible]



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	04-009402		PISTON NUT	1
2			PISTON	1
3			SPACER	1
4			CASE	1
5			ROD	1
6			HEAD GLAND	1
7*			WIPER	1
8*			ROD SEAL	1
9*			'O' RING	1
10*	SBD-209665-0 04-009401		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	3
17			SPACER	1
*			SEAL KIT	

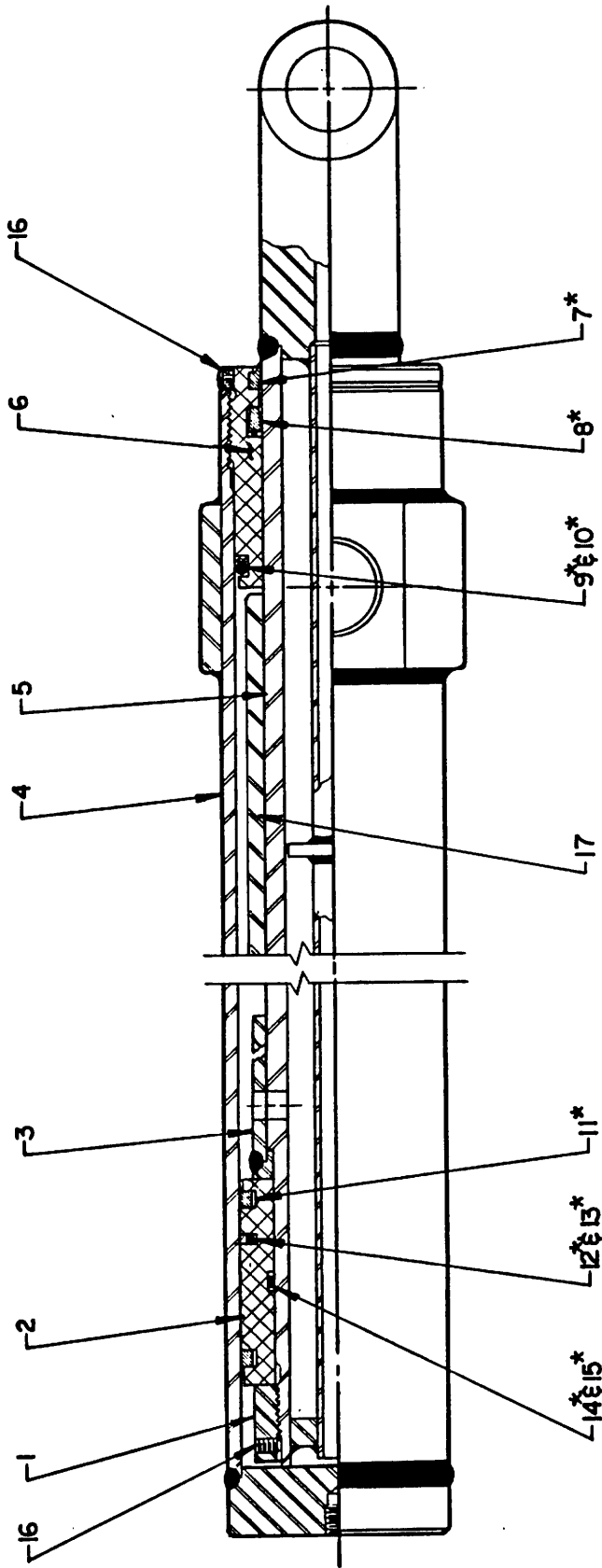
DESCRIPTION

EXTEND CYLINDER

PART NO.

04-009400-2

D19.30



NOTE:

* SEAL KIT P/N 04-009401



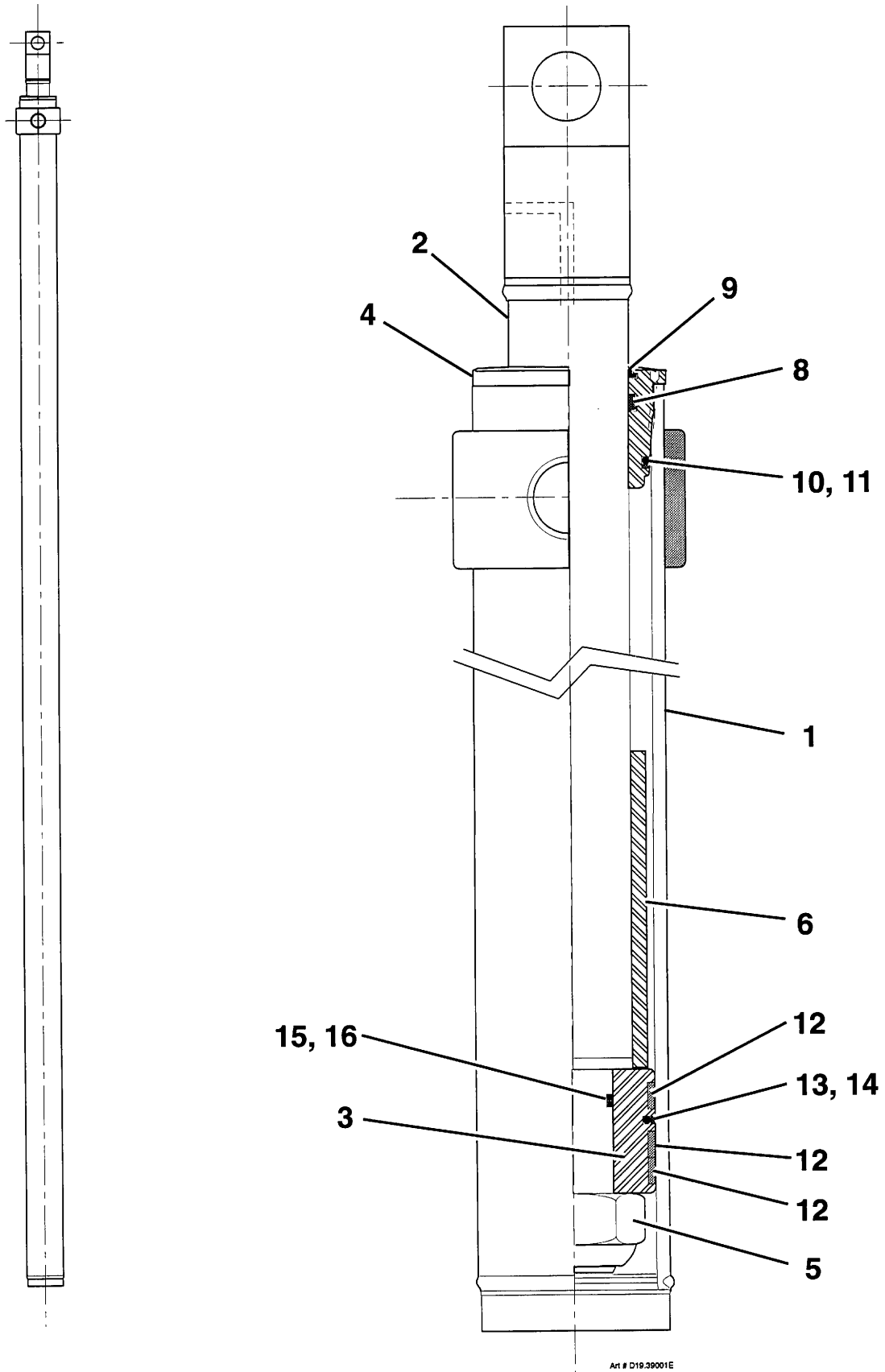
0286/0186
DESCRIPTION

EXTEND CYLINDER

PART NO.

04-009400-2

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04036100SH" on nameplate located on cylinder case.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, LOCK	1
6			SPACER	4
7	04-036101		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	3
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1



TITLE

TELESCOPE CYLINDER, 180" (4.57 M) STROKE

SIMON AERIALS INC.

NEW 27 APR., 1994

PART
NO.

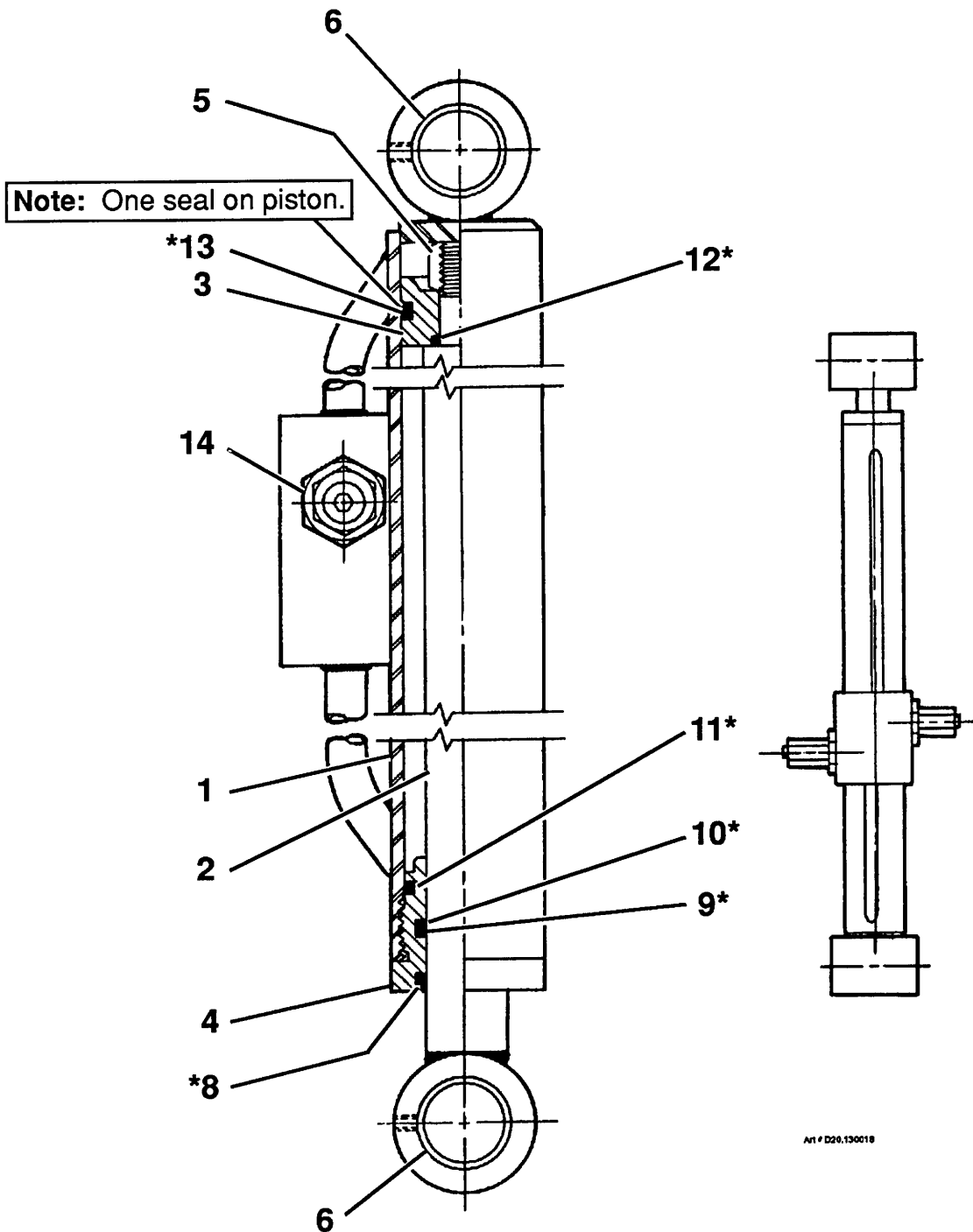
04-036100

PLATE
NO.

D19.39

[illegible]

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

SIMON AERIALS INC.

REV. 05/02/91

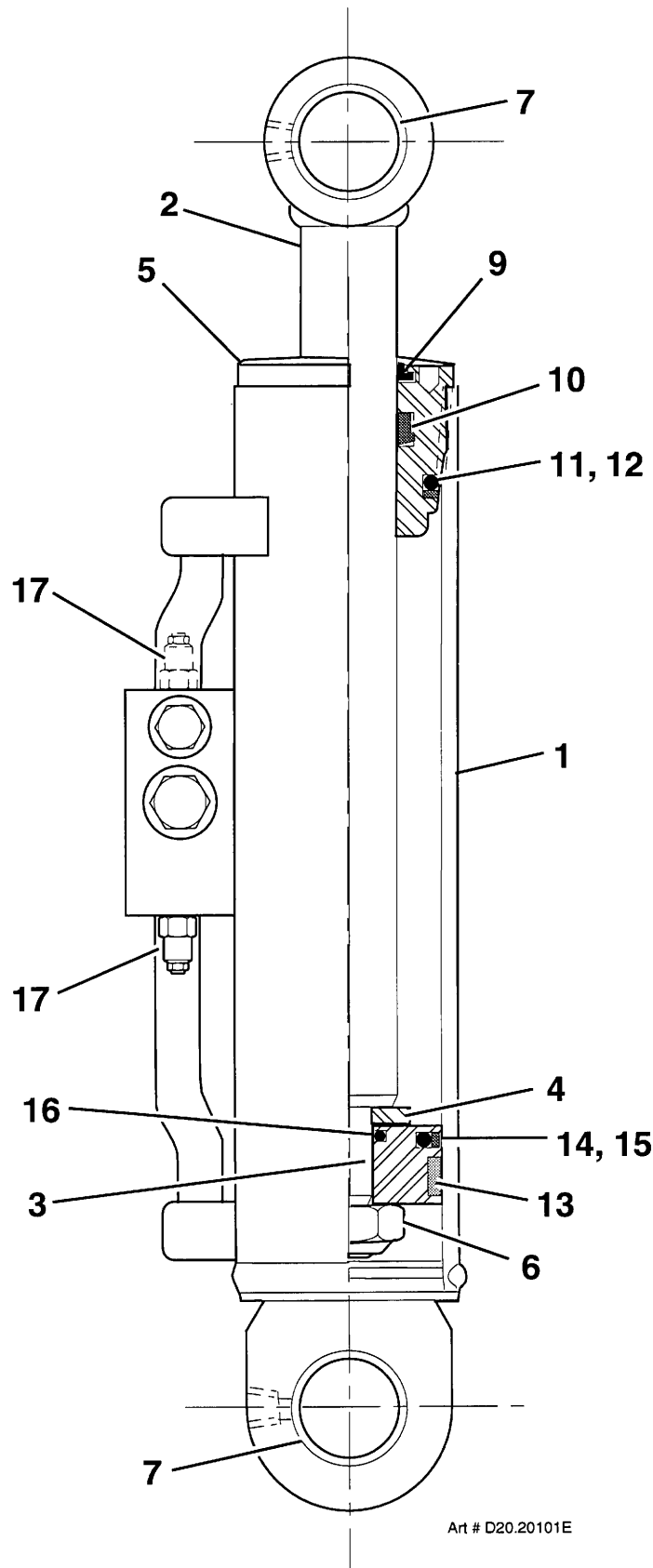
PART
NO.

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	04-028302		VALVE, COUNTERBALANCE Type 1 (Valve is stamped "CB-CG-LJN")	2
	01-227200		Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm ²)] 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.	2
18	04-028303		SEAL KIT, COUNTERBALANCE VALVE (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.		PART NO. 04-039000
NEW 22 JUN., 1994				



Art # D20.20101E

TITLE

SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

SIMON AERIALS INC.

NEW 22 JUN., 1994

PART
NO.

04-039000

PLATE
NO.

D20.201

PARTS LIST

[illegible]**TITLE**

HOLDING VALVE, SLAVE LEVELING CYLINDER

**PLATE
NO.**

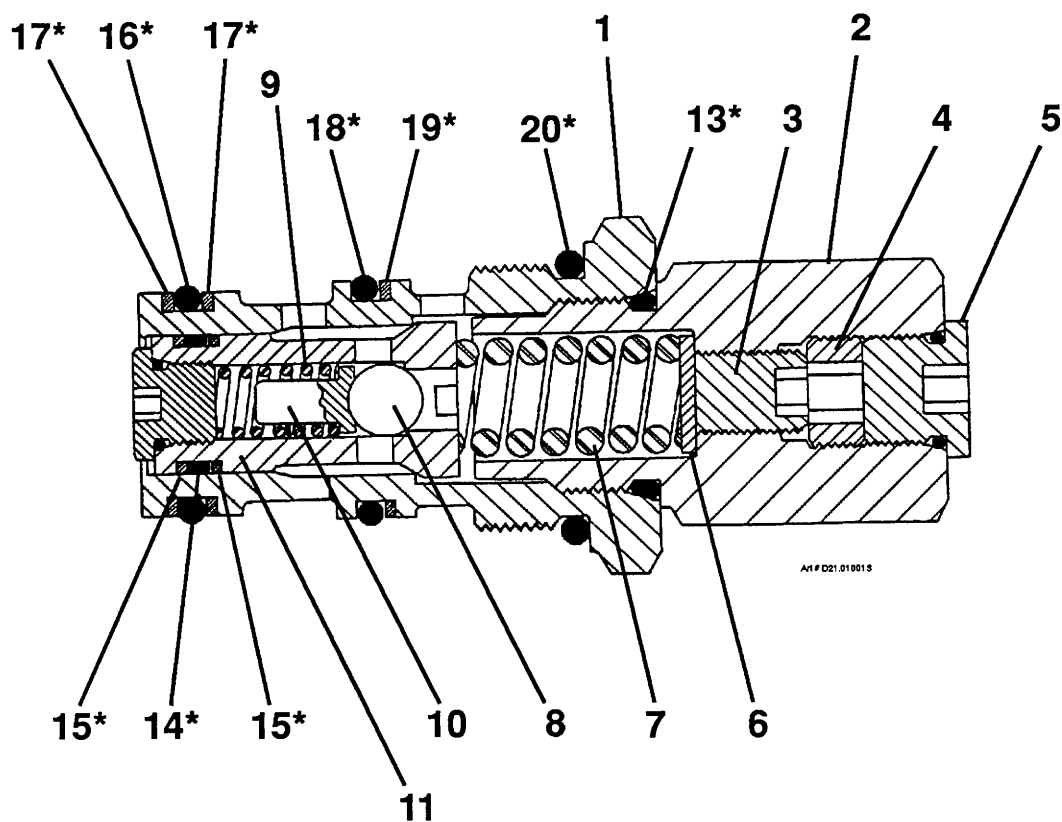
D21.01

SIMON AERIALS INC.

REV. 05/02/91

**PART
NO.**

01-032500



At # D21.010015

TITLE

HOLDING VALVE, SLAVE LEVELING CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

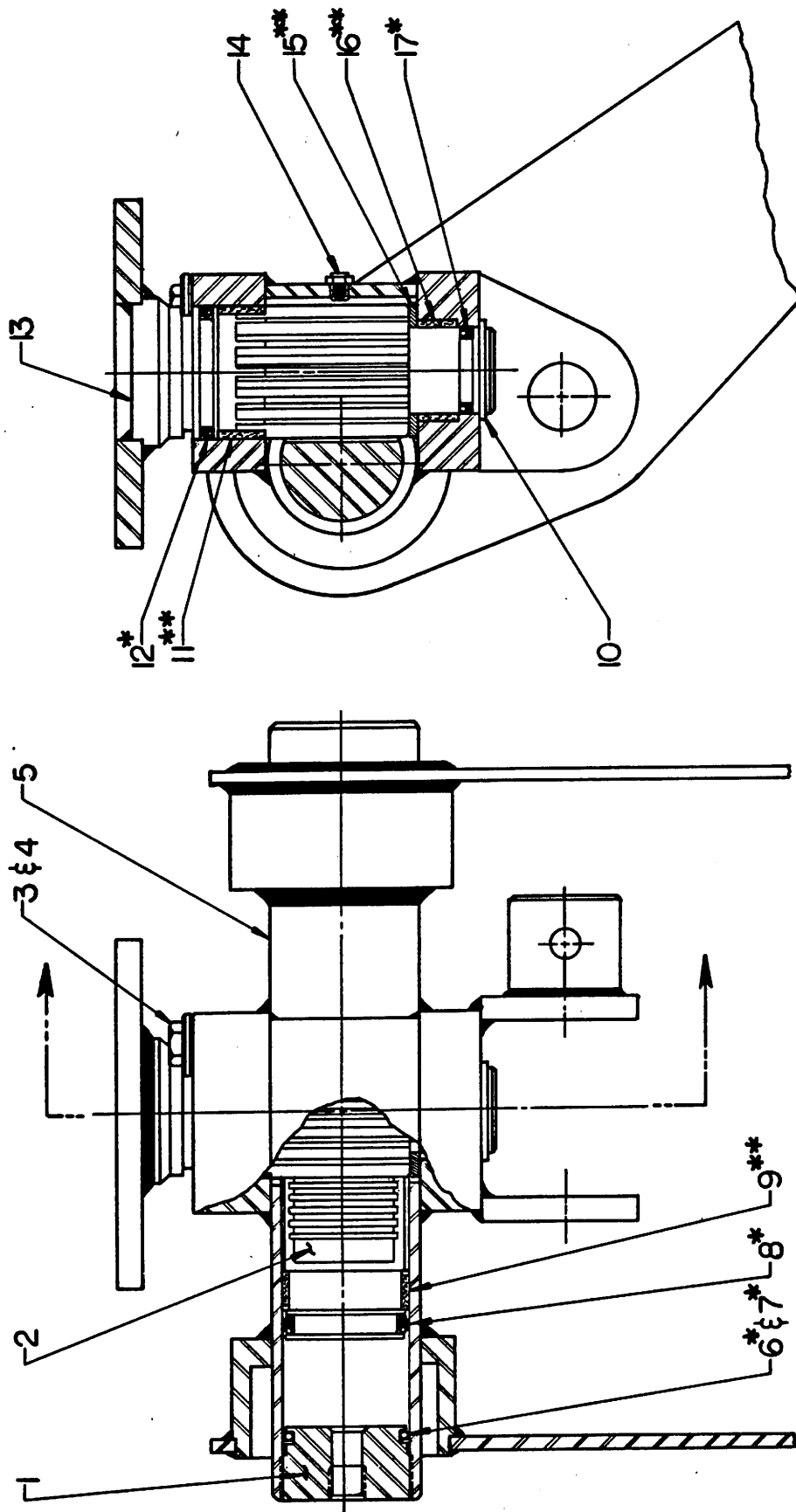
01-032500

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

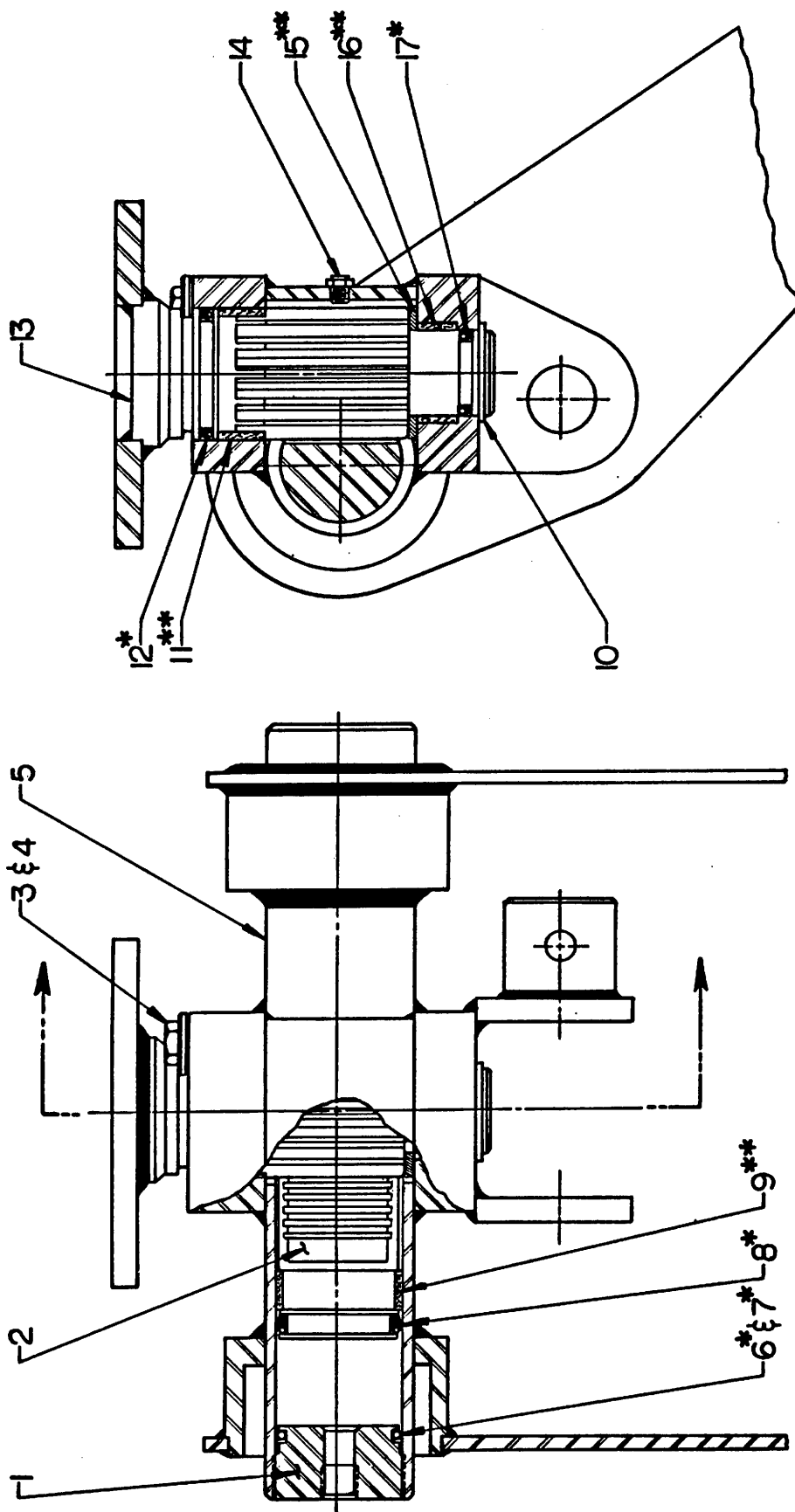
PLATFORM ROTARY ACTUATOR

PART NO.

SDW-207045-4

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-207327-1	



NOTE:

- * SEAL KIT P/N 02-004901
- ** BEARING KIT P/N 02-004902

DESCRIPTION

PLATFORM ROTARY ACTUATOR

PART NO.

SDW-207327-1

PARTS LIST

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

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

PLATE NO. D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

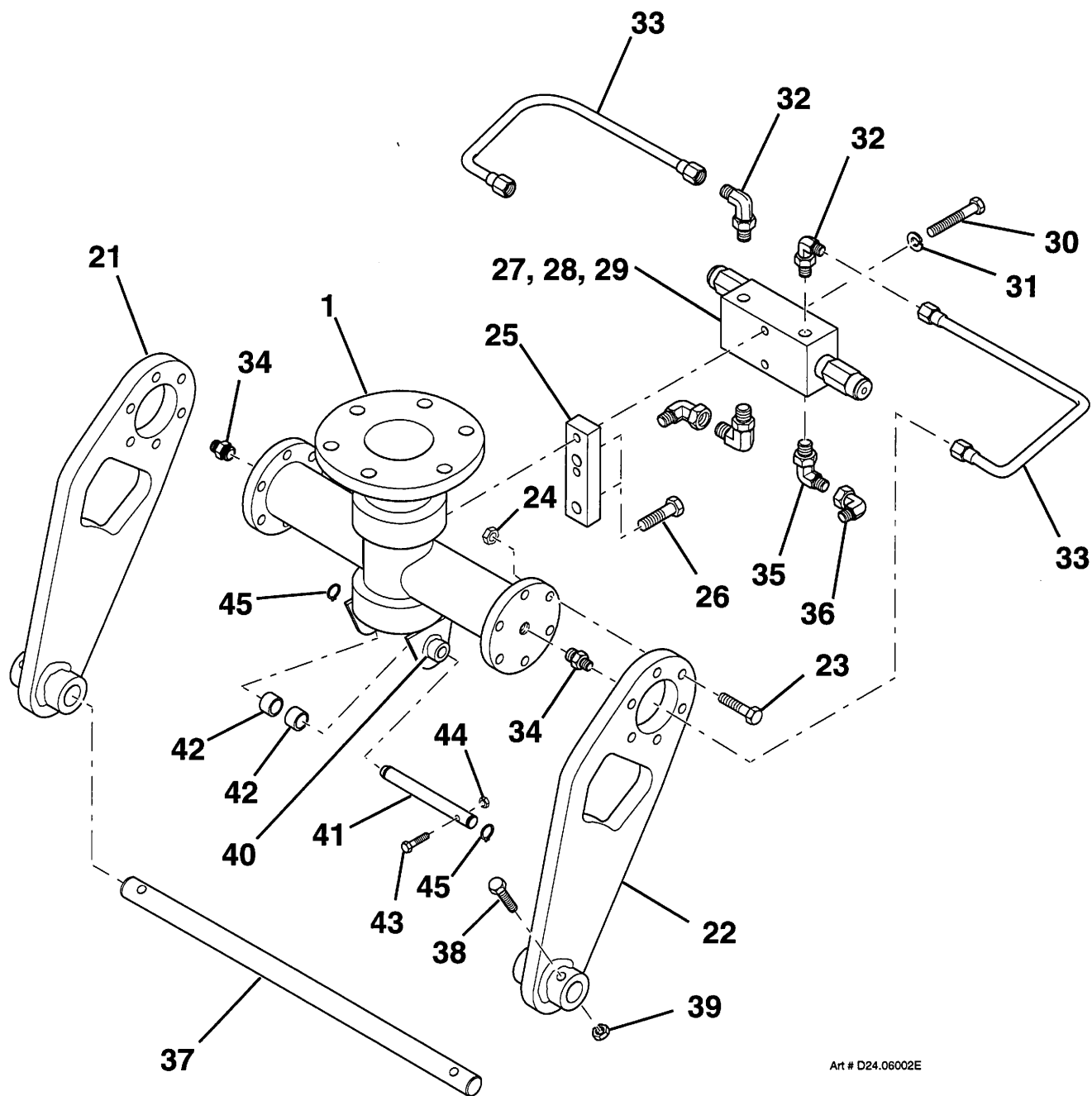
PART NO. 02-010600

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
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Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

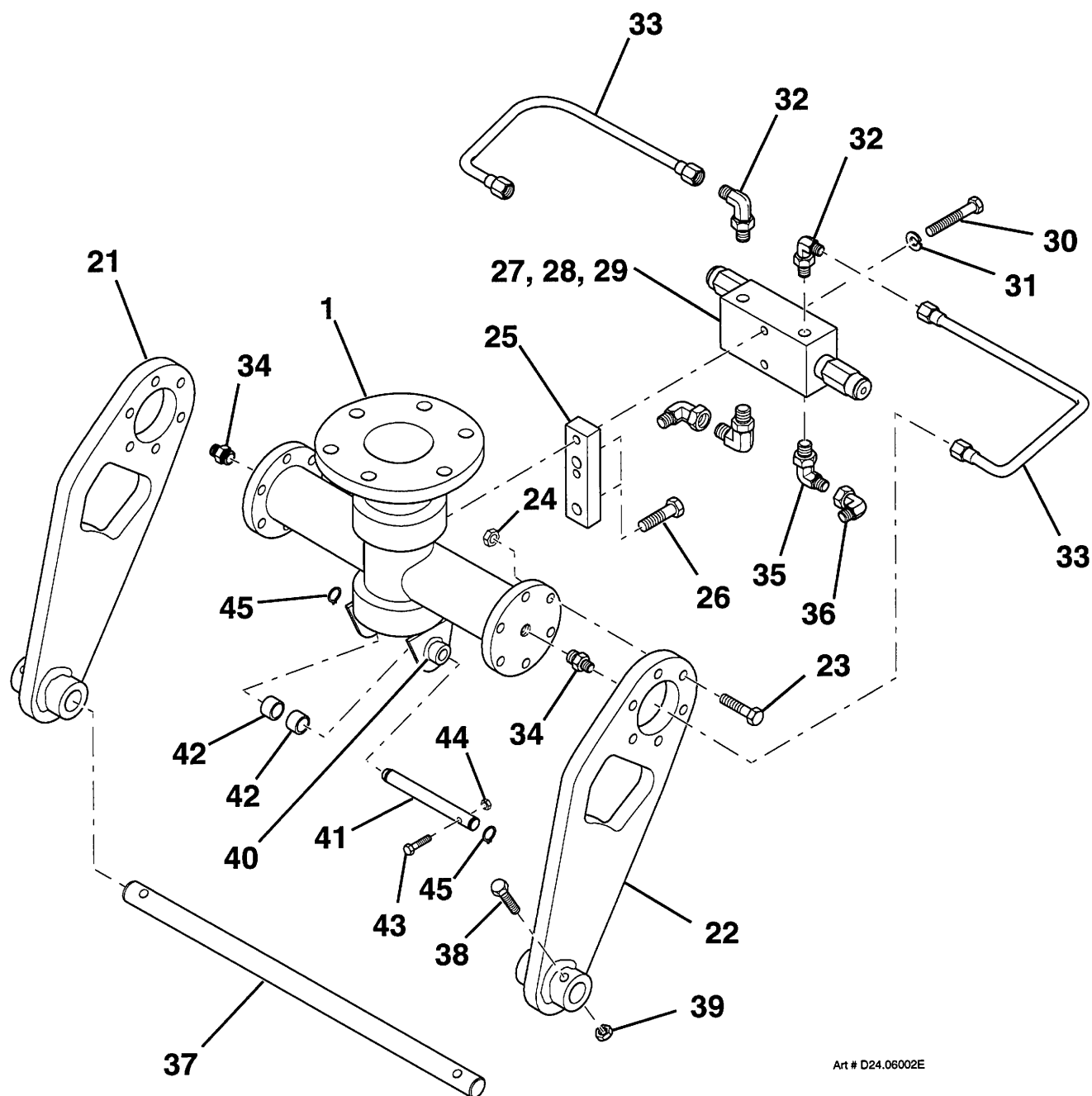
02-010600

PLATE
NO.

D24.06

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	07-003090		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5. For "Type 1" arm)	12
	07-003089		(1/2"-13 x 2", Grade 5. For "Type 2" arm)	12
24	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	12
25	2111850		SPACER, RELIEF/ CHECK VALVE MOUNTING	1
26	07-008043		CAP SCREW, SOCKET HEAD (3/8"-16 x 3/4", Grade 8)	2
27	01-202000		MANIFOLD, RELIEF/ CHECK VALVE	1
28	01-202001		CARTRIDGE, RELIEF VALVE	1
29	01-202002		CARTRIDGE, CHECK VALVE	1
30	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
31	07-065016		WASHER, HELICAL LOCK (3/8")	2
32	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
33	3530460		TUBE ASSEMBLY	2
34	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	2
35	06-044400		90° ELBOW, STRAIGHT THREAD (4-66 C50X-S)	2
36	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2
37			PIN, PLATFORM PIVOT (1-1/4" x 20")	
	2102940		except Canada	1
	2194480		CSA standards	1
38	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
39	07-050016		NUT, HEX LOCK (3/8"-1, Grade 5)	2
40	2080459		TUBE, PIN RETAINER	1
41			PIN, SLAVE CYLINDER (Rod end) (1-1/4" x 4-7/8")	
	2068884		except Canada	1
	2194500		CSA standards	1
42	2068444		SPACER, SLAVE CYLINDER	2
43	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
44	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
45	08-040700		RING, SNAP (1-1/4")	2
TITLE PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)				
PLATE NO.	D24.06	SIMON AERIALS INC.		PART NO. 02-010600

REV. 22 NOV., 1994
THIS SHEET ONLY



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST

[illegible]

TITLE

JOYSTICK CONTROLLER (5 POSITION)

**PLATE
NO.**

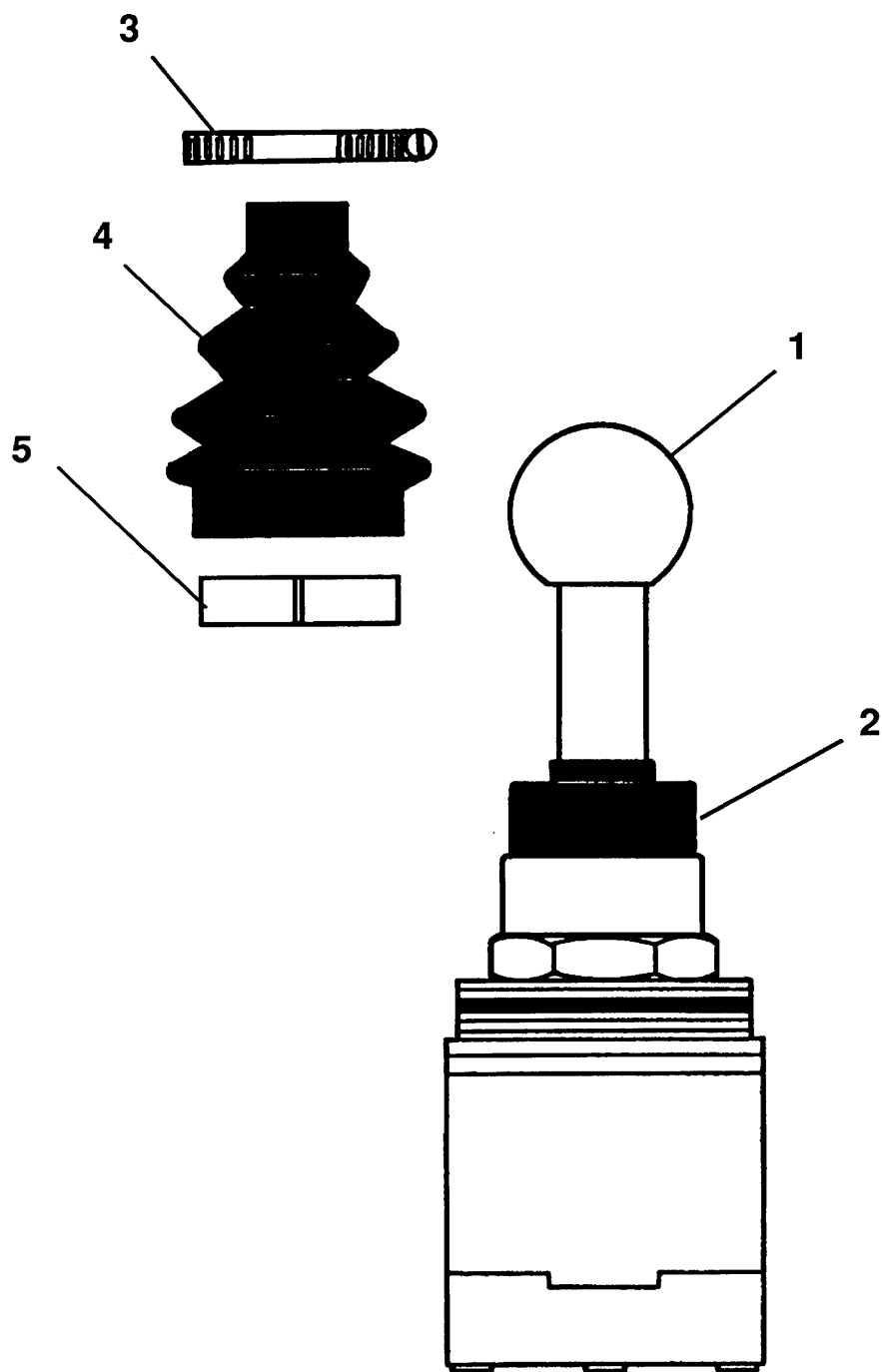
E01.03

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.

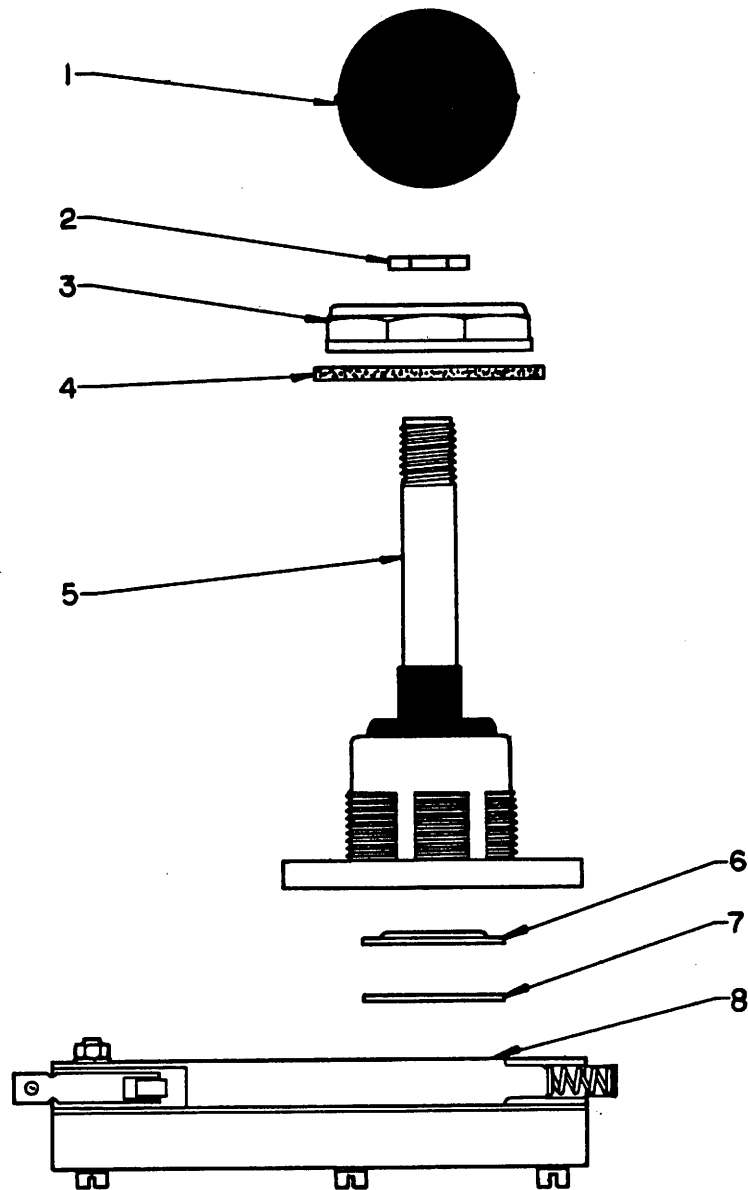
03-021800

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
4			GASKET	1
5			HANDLE	1
6			COMMON GATE	1
7			POSITION GATE (8 POSITION)	1
8			MECHANISM	1
DESCRIPTION			JOYSTICK (8 POSITION)	PART NO. 03-061600



0784/ 0983

DESCRIPTION

JOYSTICK (8 POSITION)

PART NO.

03-061600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	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

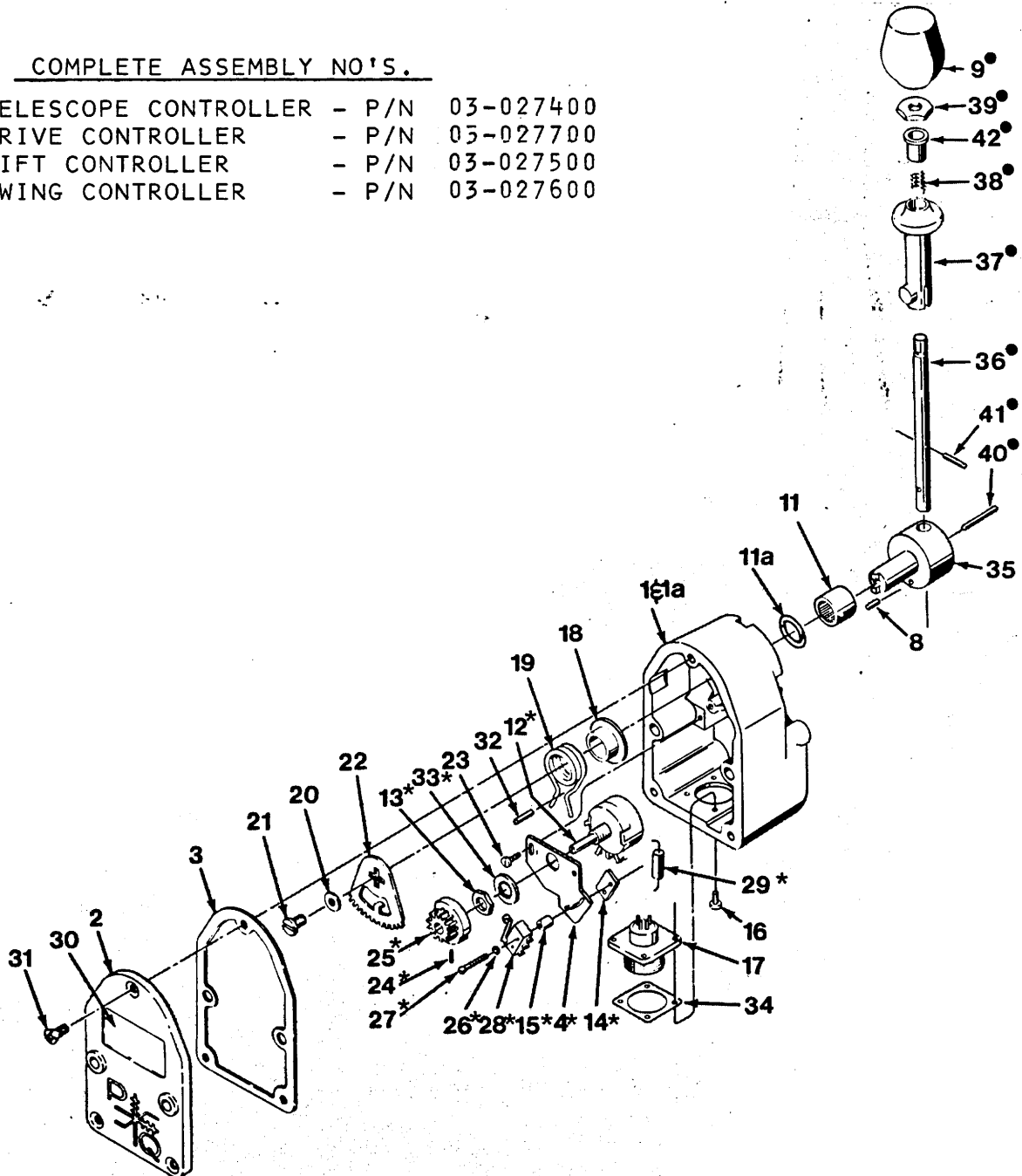
JOYSTICK CONTROLLER

PART NO.

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



0485/0385

DESCRIPTION

JOYSTICK CONTROLLER

PART NO.

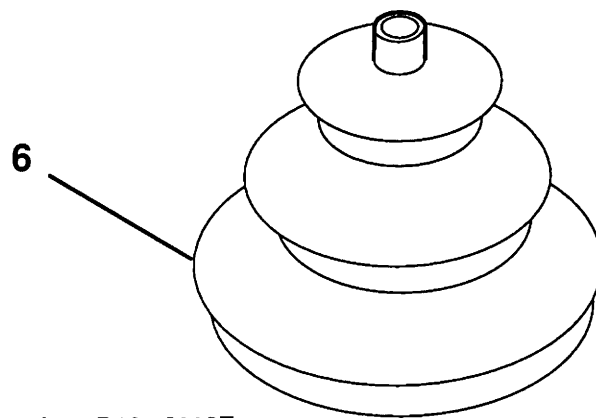
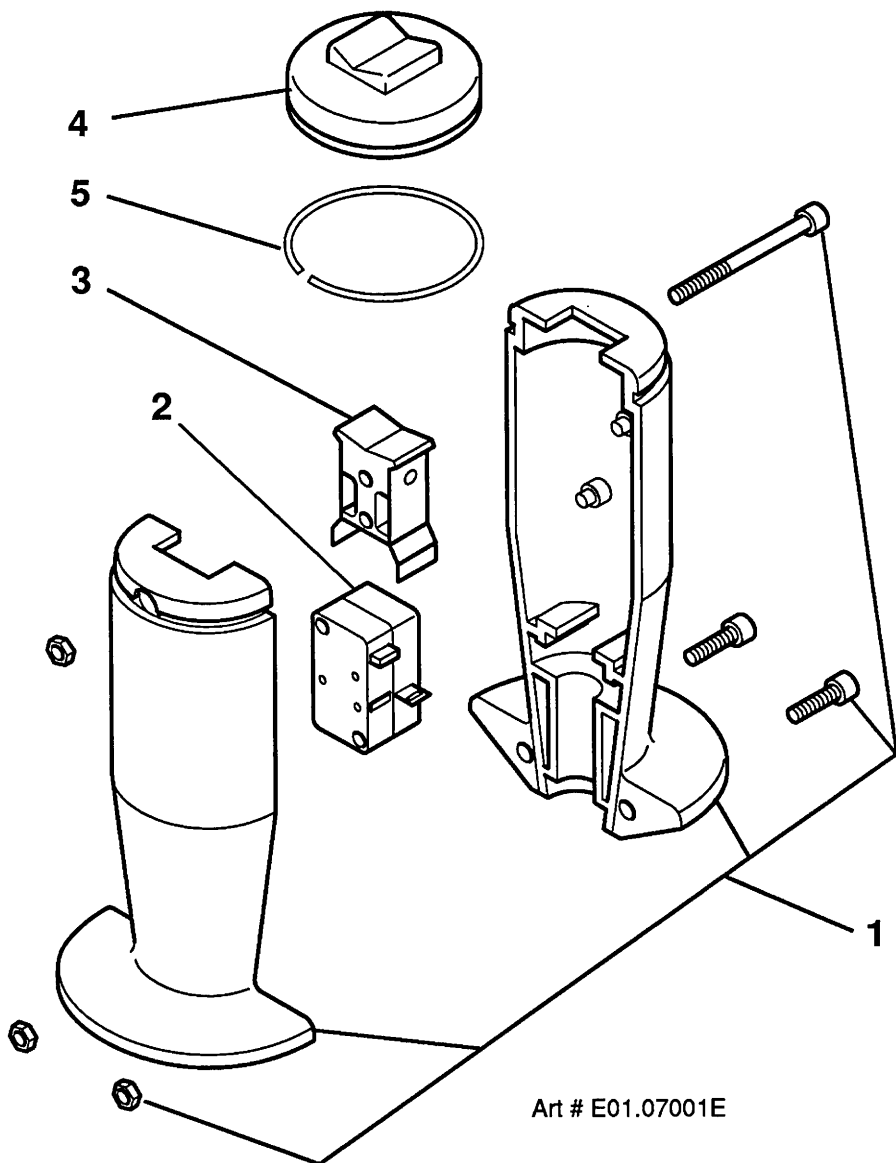
03-027202 THRU 03-027205

PARTS LIST

[illegible]

TITLE DRIVE CONTROL HANDLE ASSEMBLY

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

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 18 FEB., 1993

PART
NO.

03-402200

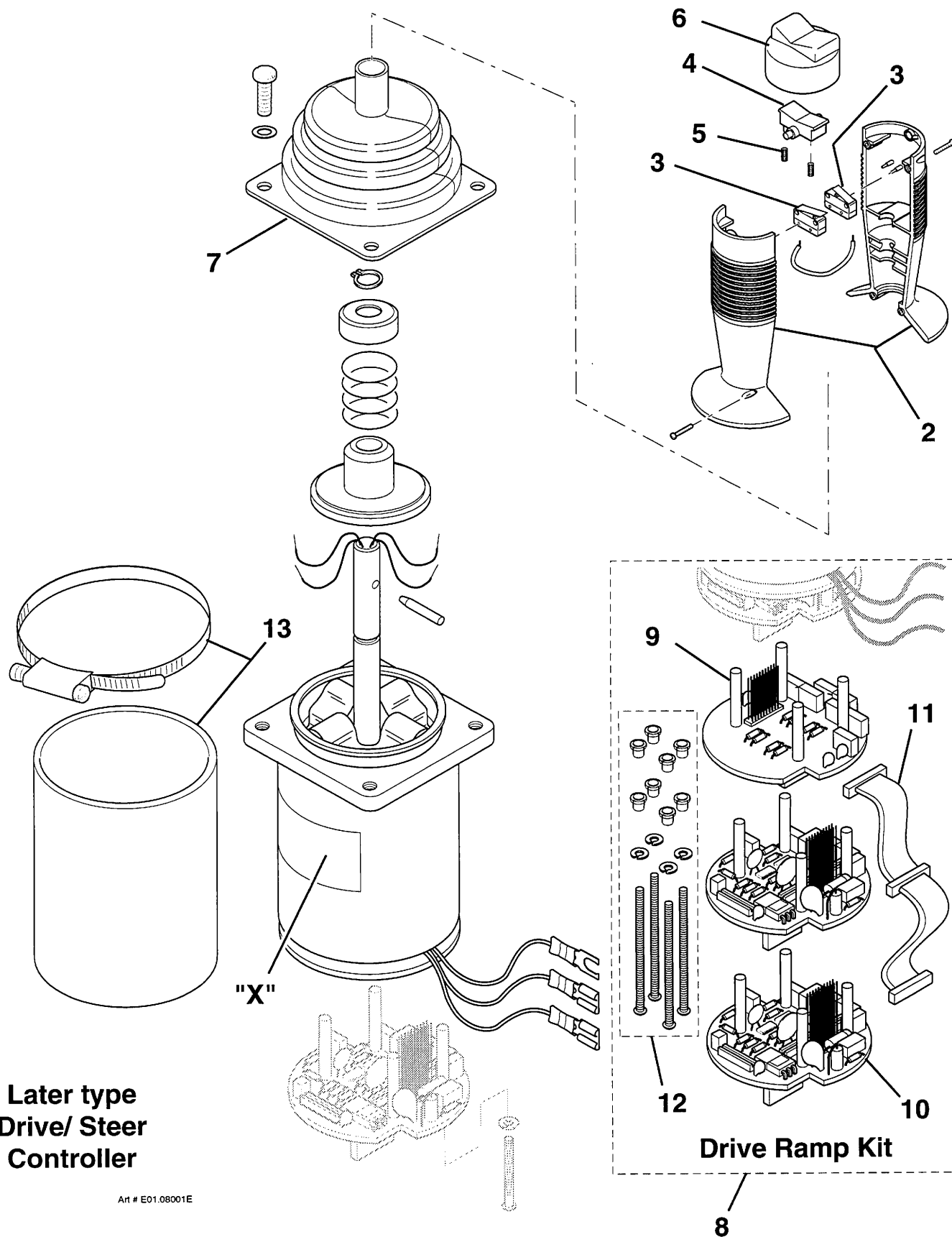
PLATE
NO.

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

REV. 01 FEB., 1996

PART
NO.



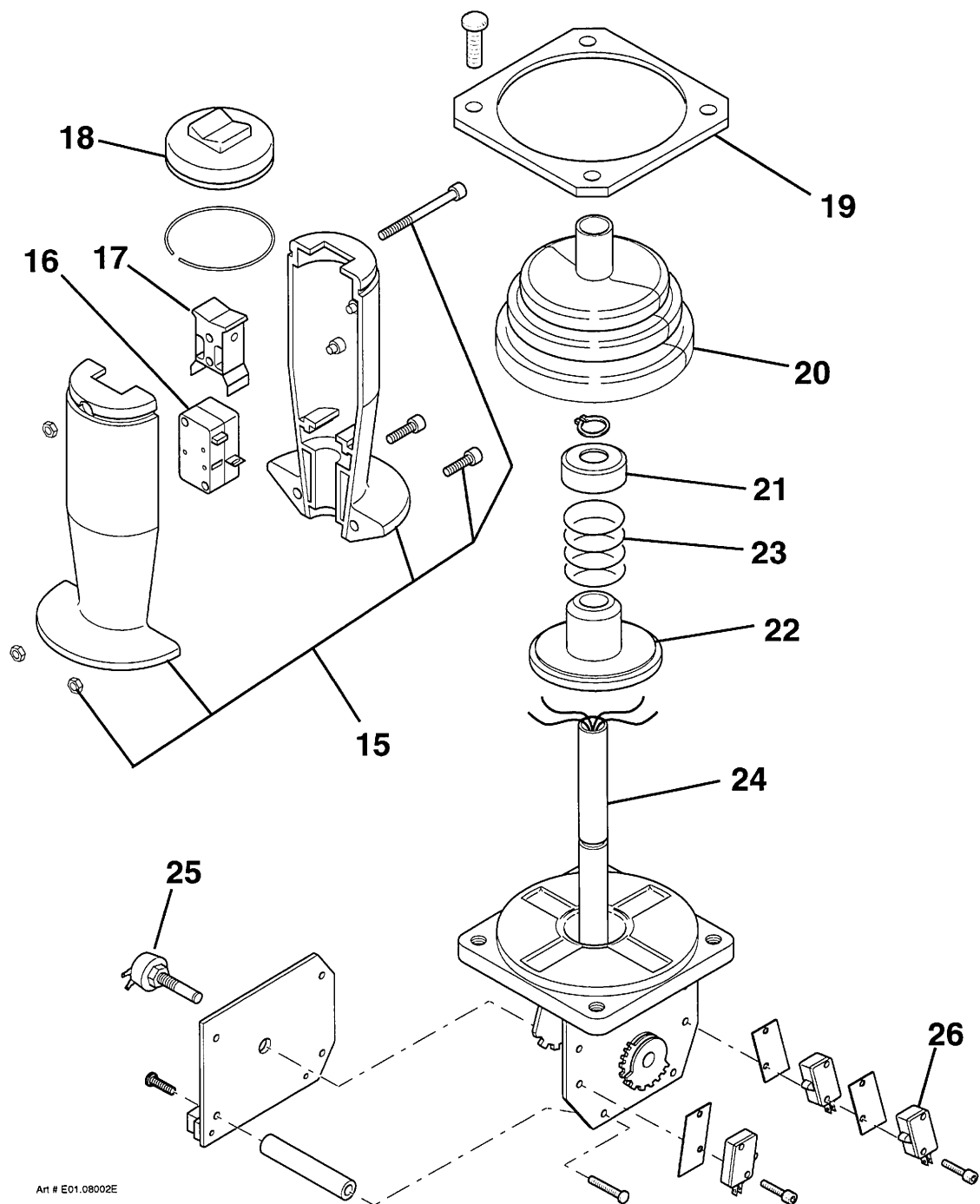
TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

PLATE
NO. E01.08



**Earlier type
Drive/ Steer
Controller**

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

SIMON AERIALS INC.

REV. 01 FEB., 1996

**PART
NO.**

**PLATE
NO.**

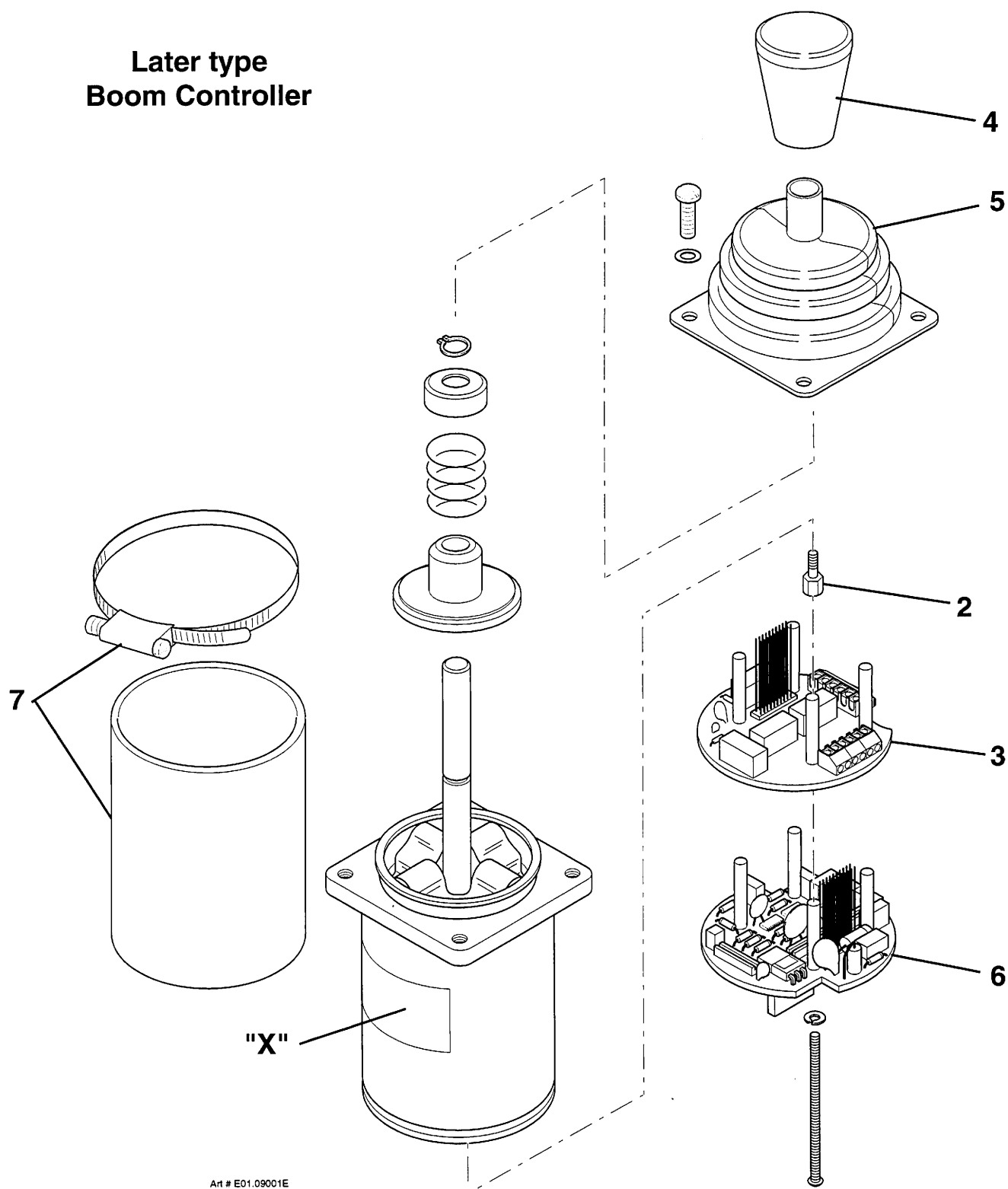
E01.08

[illegible]

PLATE NO. E01.09	SIMON AERIALS INC.
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PART
NO.

Later type Boom Controller



Art # E01.09001E

TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

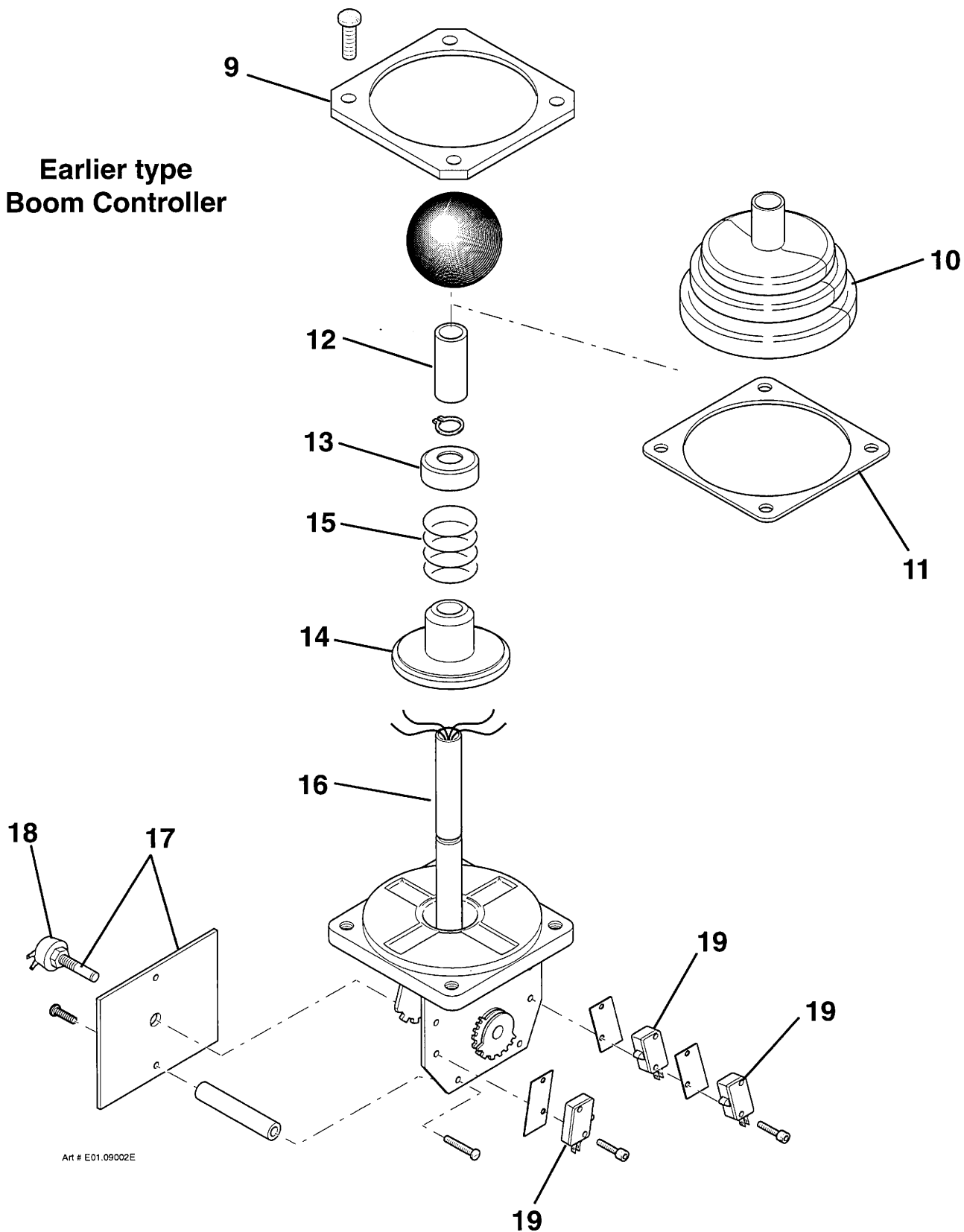
PLATE
NO. E01.09

[illegible]

PLATE NO. E01.09	SIMON AERIALS INC.
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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

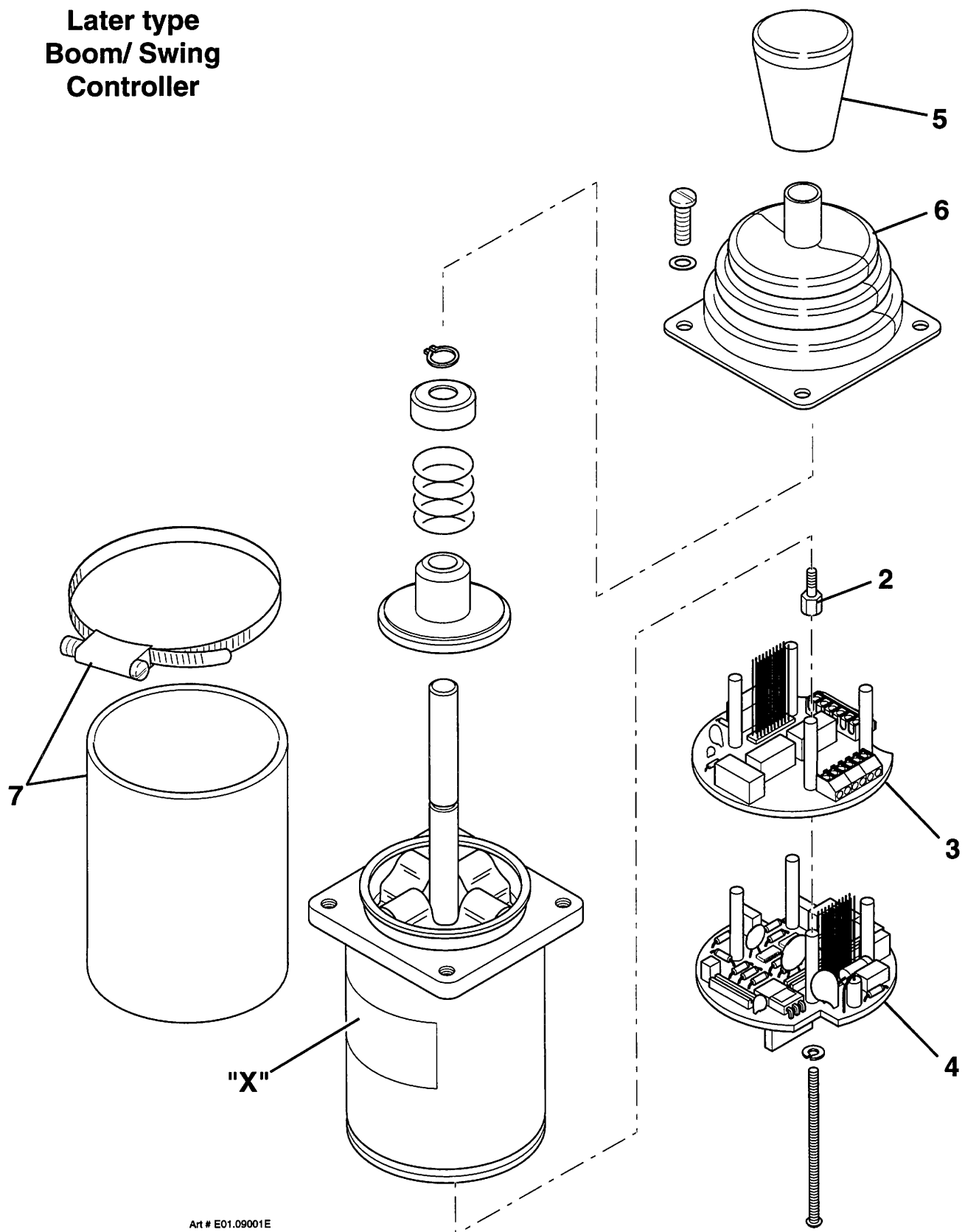
[illegible]

E01.10

REV. 07 NOV.. 1994

PART
NO.

Later type Boom/ Swing Controller



Art # E01.09001E

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

SIMON AERIALS INC.

REV. 07 NOV., 1994

PART
NO.

PLATE
NO.

E01.10

[illegible]

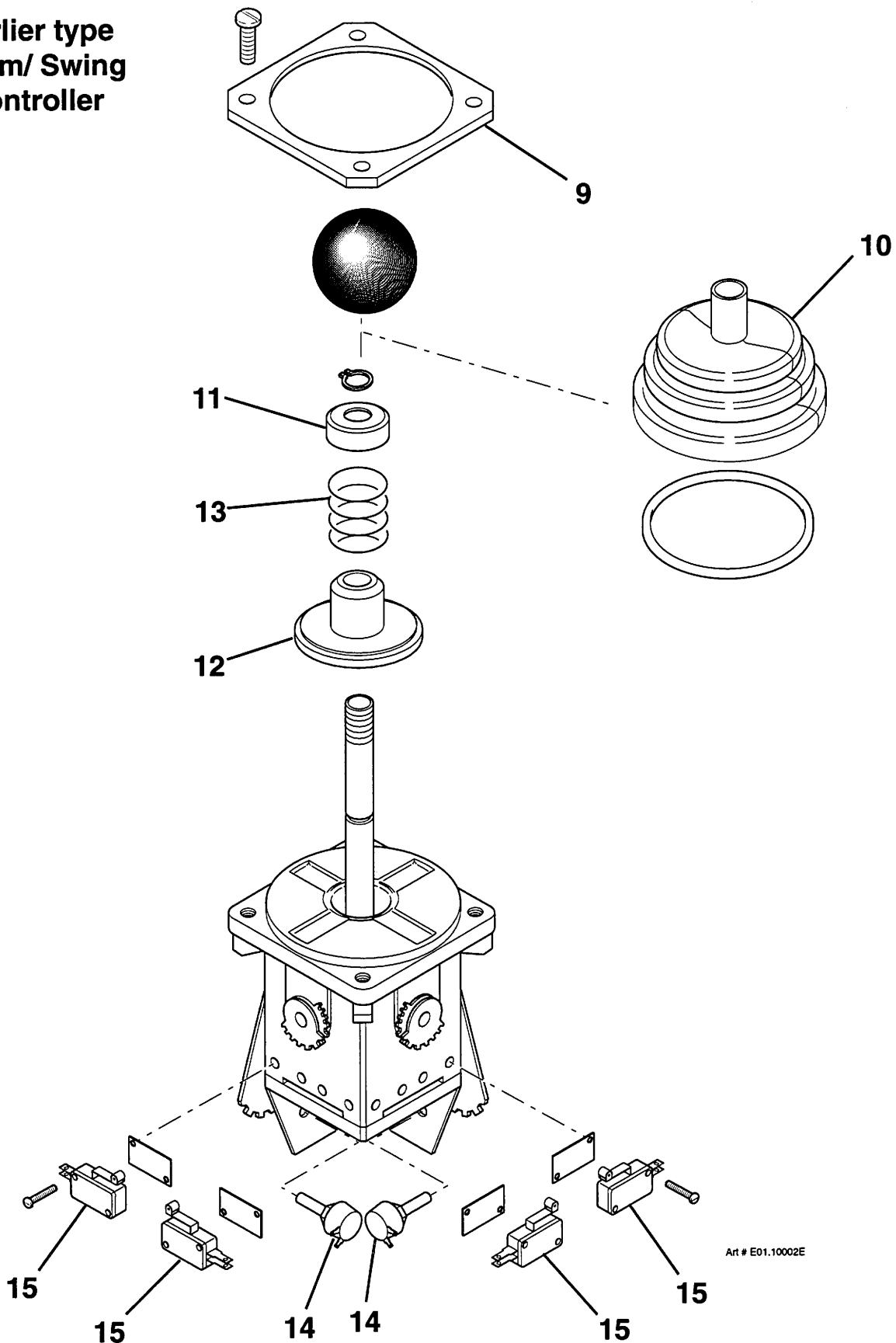
PLATE NO. E01.10

SIMON AERIALS INC.

REV. 07 NOV., 1994

PART
NO.

**Earlier type
Boom/ Swing
Controller**



Art # E01.10002E

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

SIMON AERIALS INC.

REV. 07 NOV., 1994

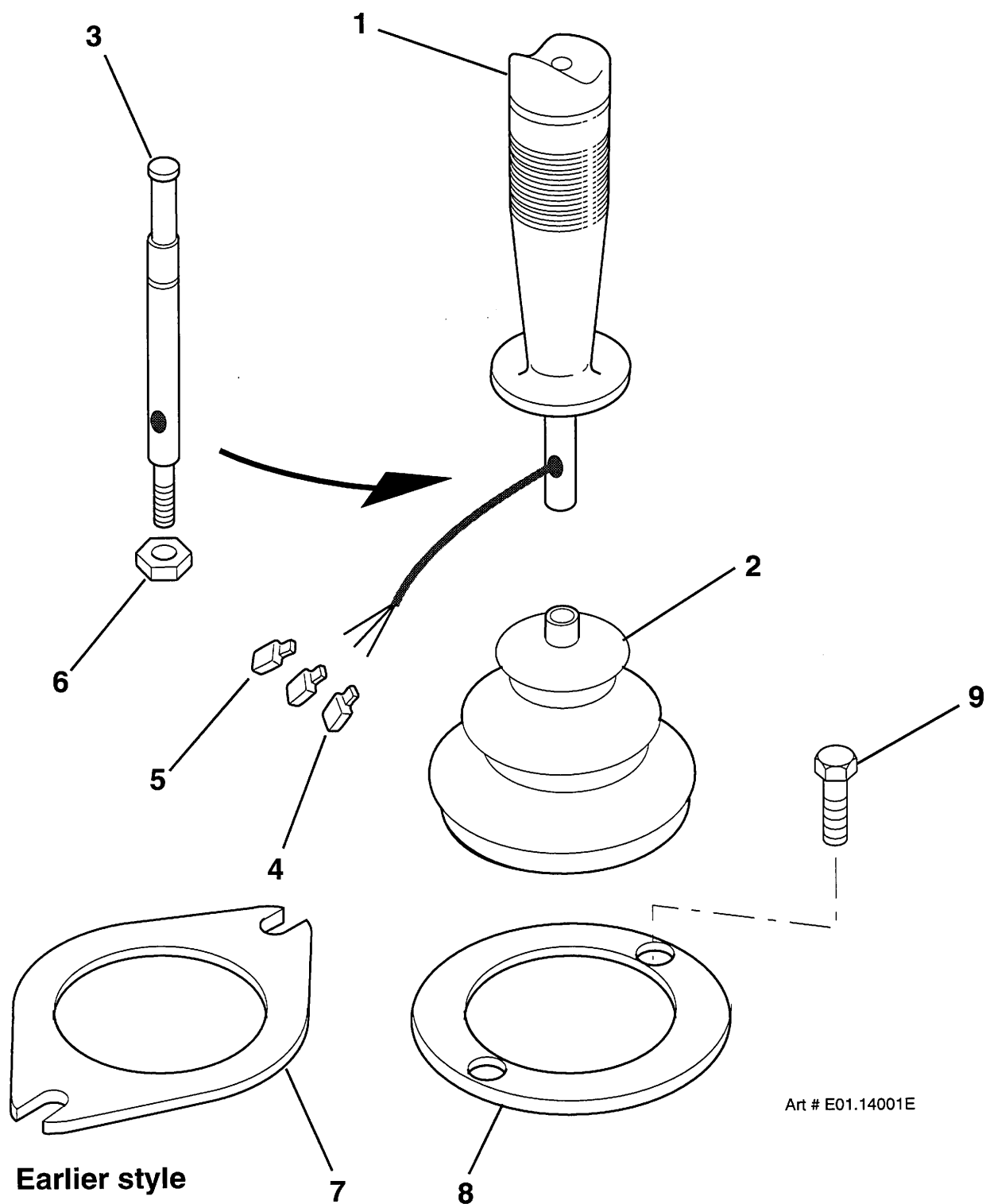
**PART
NO.**

**PLATE
NO.** E01.10

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

PART NO. 3530010



Art # E01.14001E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 01 MAR., 1994

PART
NO.

3530010

PLATE
NO.

E01.14

PARTS LIST

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

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

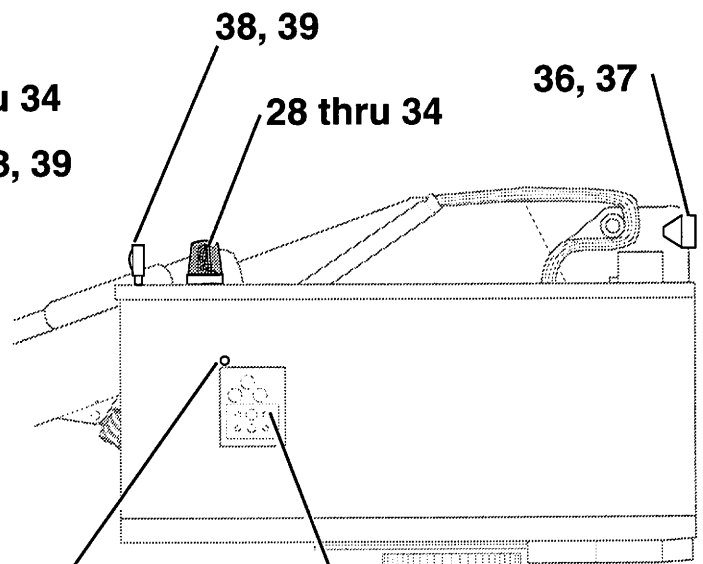
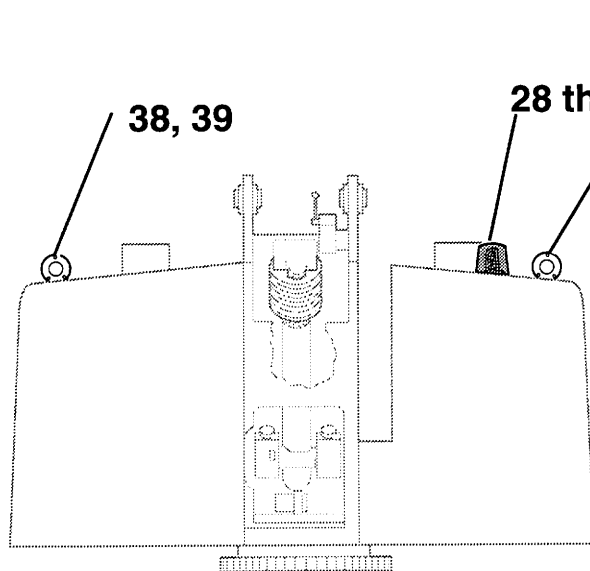
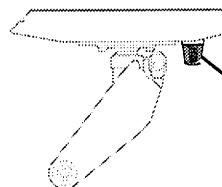
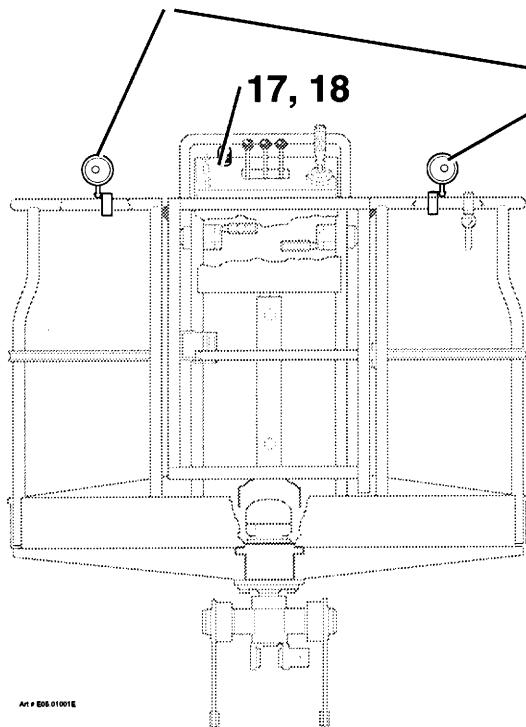
PLATE NO.

E05.01

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART NO.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

PLATE
NO.

E05.01

PARTS LIST

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

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

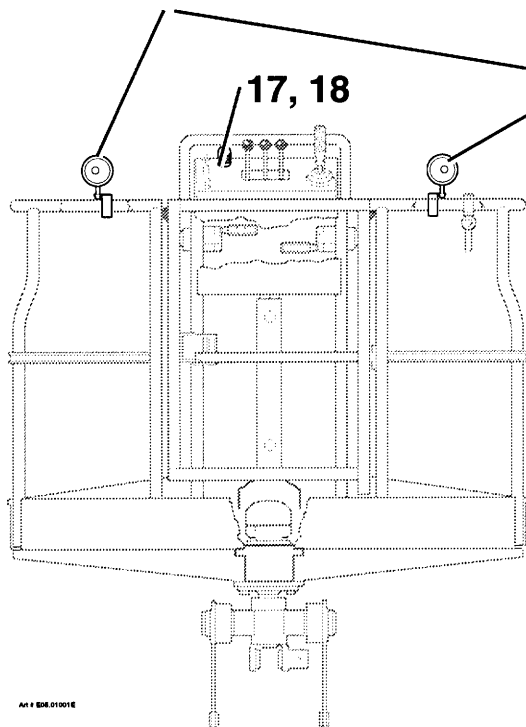
PLATE NO.

E05.01

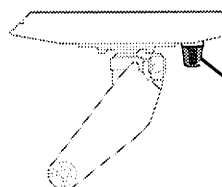
SIMON AERIALS INC.

REV. 09 NOV., 1994

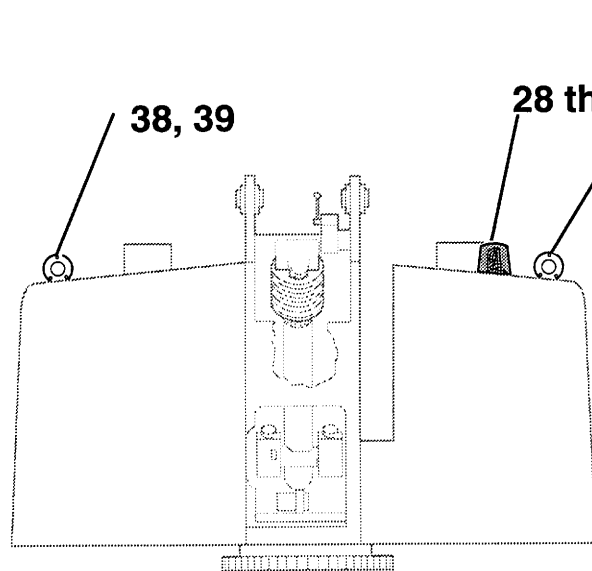
PART NO.



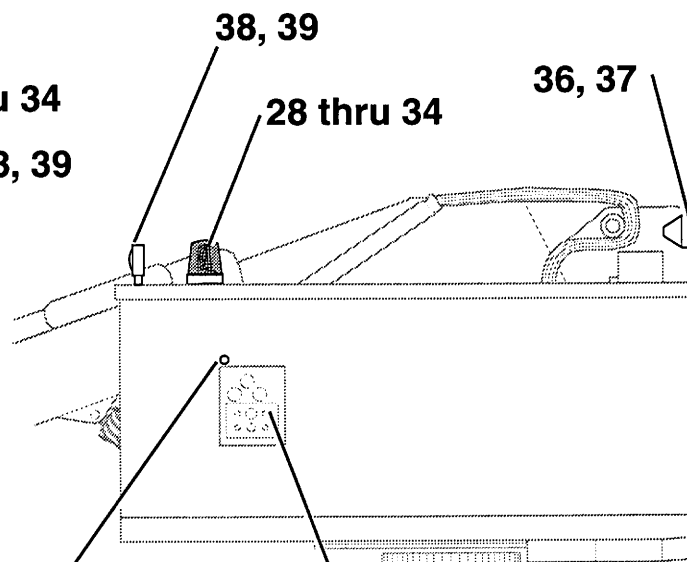
Art # E05.01001E



28 thru 34



Art # E05.01002E



17, 18

41, 42

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

PLATE
NO.

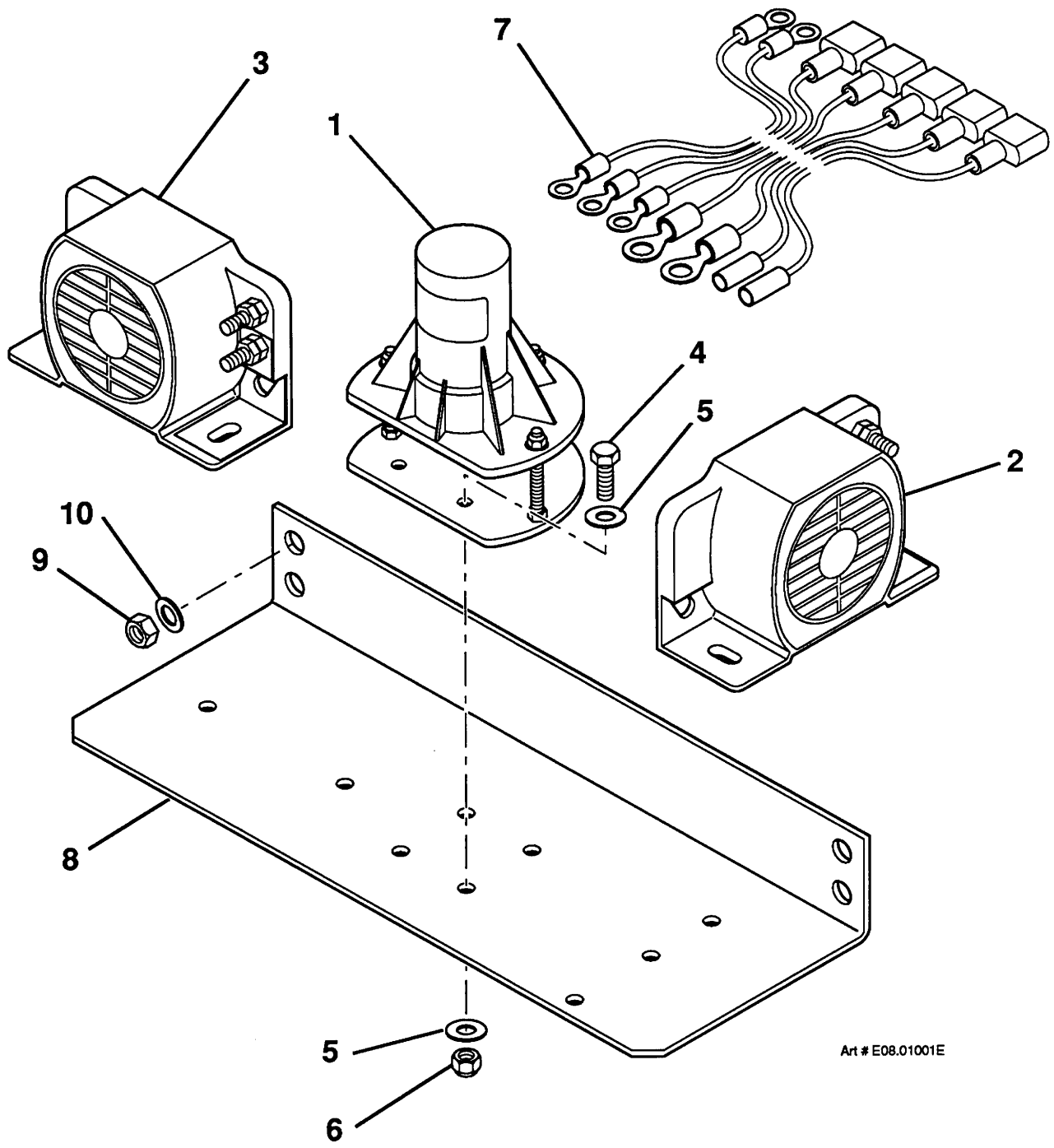
E05.01

PARTS LIST

[illegible]

TITLE ALARM PACKAGE ASSEMBLY, MP

PLATE NO.	E08.01	SIMON AERIALS INC.	NEW 03/11/91	PART NO.	3505326
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Art # E08.01001E

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

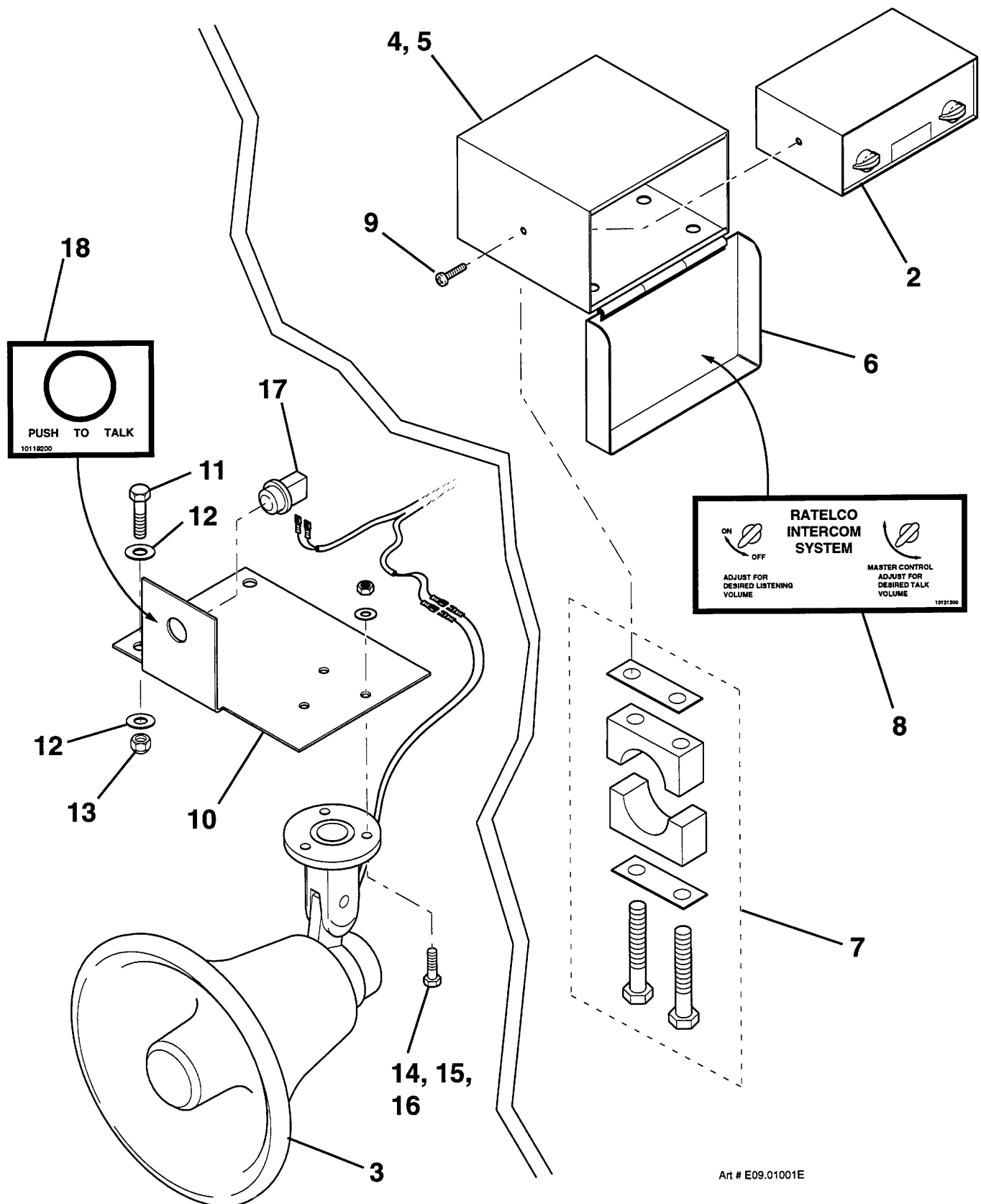
PARTS LIST

[illegible]

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

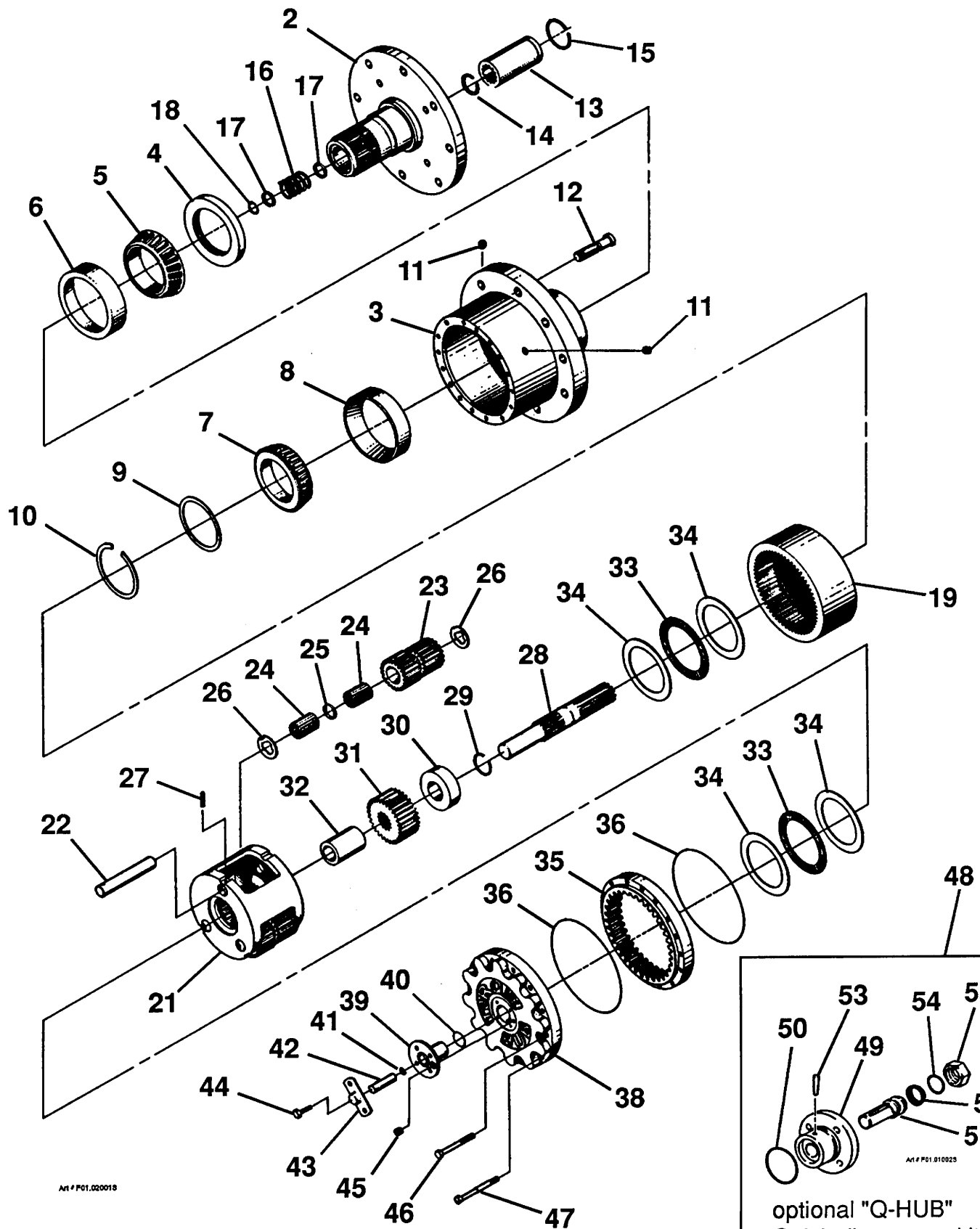
F01.02

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600



Alt # F01.020015

Alt # F01.010025

optional "Q-HUB"
Quick disconnect kit

TITLE

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

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

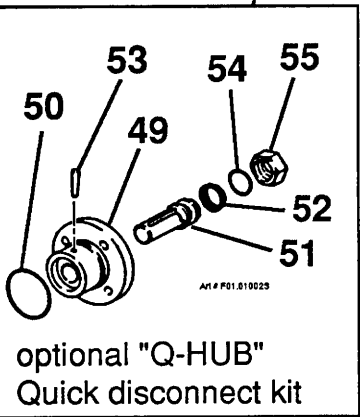
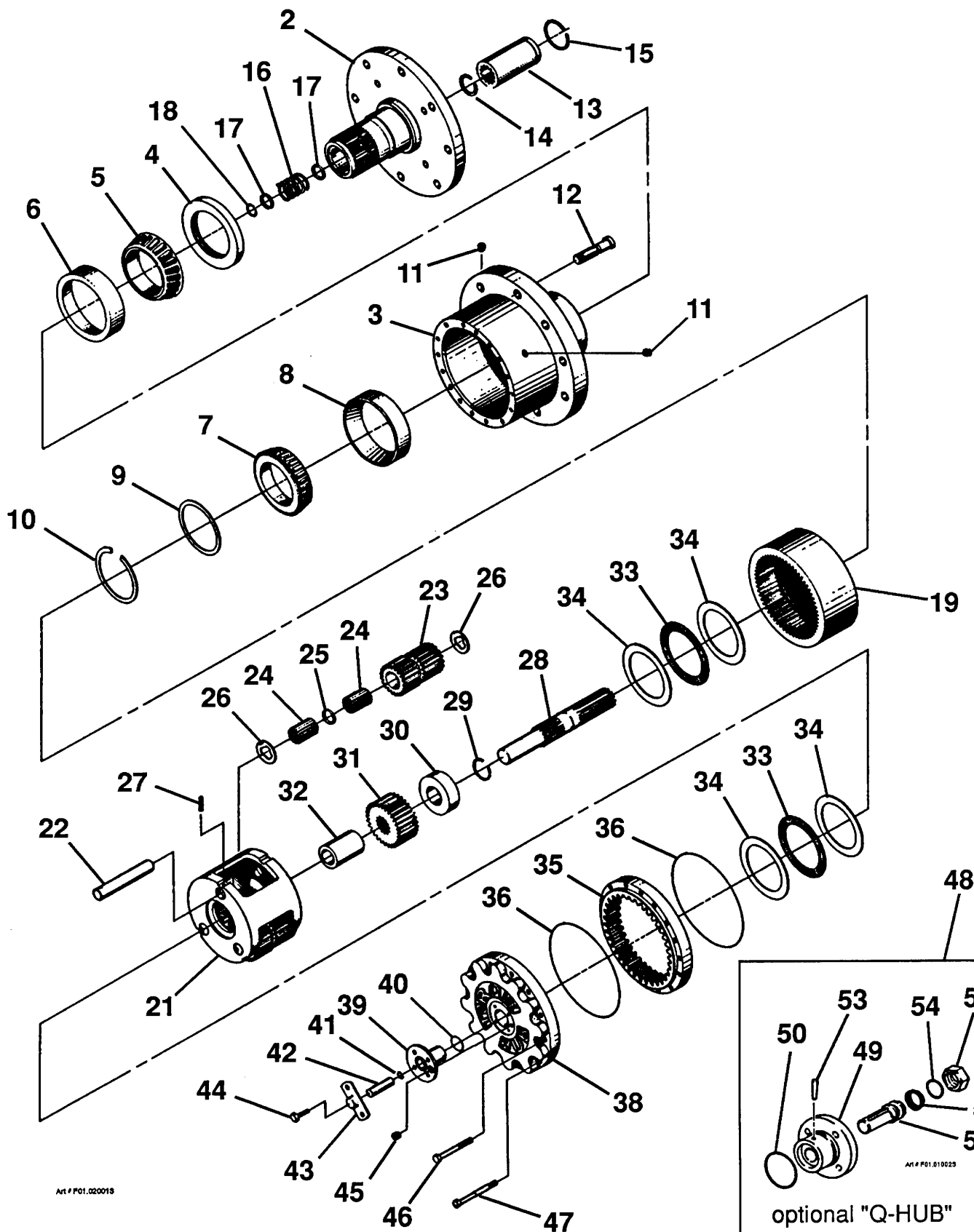
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TITLE TORQUE HUB (43:1) (PLATE 2 OF 2)

PLATE NO.	F01.02	SIMON AERIALS INC.
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REV.06/28/91
THIS SHEET ONLY

PART NO. 02-000600



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

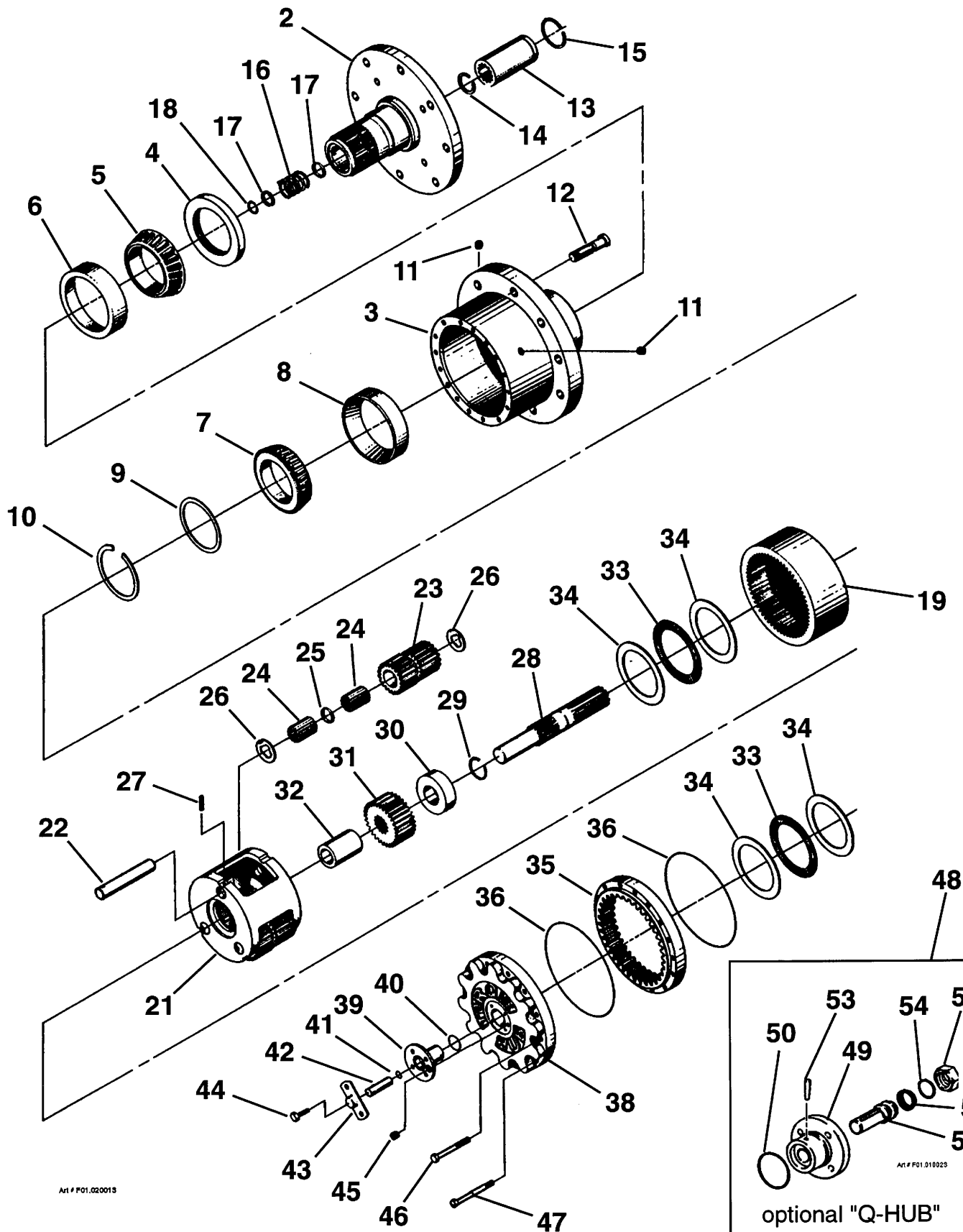
SIMON AERIALS INC.

REV.05/16/91

PART NO. 02-000600

PLATE NO. F01.02

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 34) reads "W3BX50354 ZB"	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-010504		SPINDLE	1
3	02-010503		HUB	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	02-010502		STUD, WHEEL MOUNTING	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	02-010501		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	02-010506		SPACER	3
26	02-010505		WASHER, THRUST	6
27	02-000636		PIN, ROLL	3
28	02-004801		SHAFT, INPUT	1
29	02-000619		RING, RETAINING	1
30			SPACER, THRUST	1
31	02-004803		GEAR, INPUT	1
32	02-004802		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 (54:1) (PLATE 1 OF 2)				
PLATE NO.	F01.07	SIMON AERIALS INC.		PART NO. 02-010500
REV.10 APR., 1992				



Art # F01.020013

Art # F01.010023

TITLE

TORQUE HUB (54:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV.10 APR., 1992

PART
NO.

02-010500

PLATE
NO.

F01.07

PARTS LIST

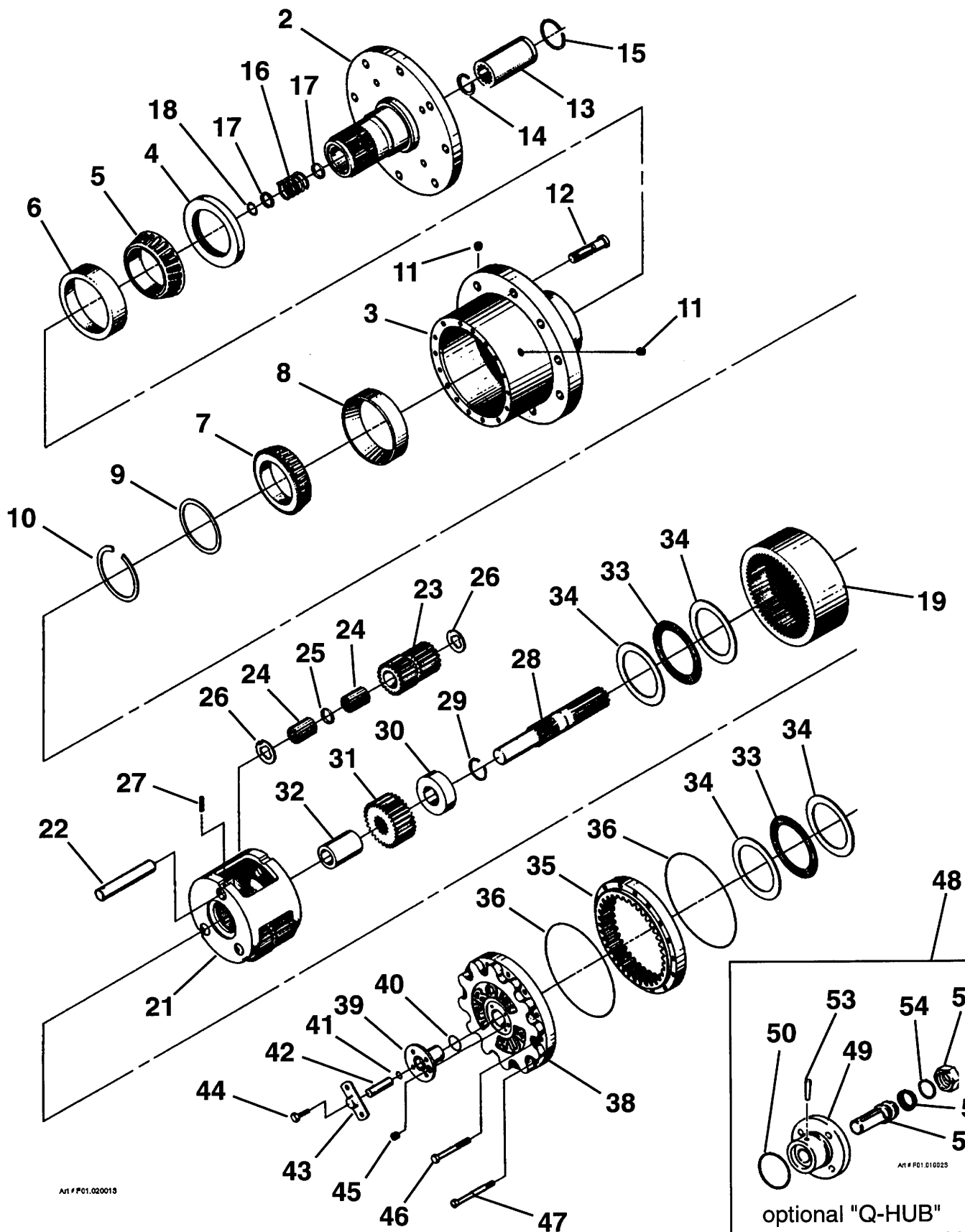
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
37			COVER ASSEMBLY, HUB	1
38	02-000618		COVER, HUB	1
39	02-000601		CAP, COVER	1
			Note: Items 39 through 45 are for units without "Q-hub" quick-disconnect option.	
40	02-000608		"O"-RING	1
41	02-000512		"O"-RING	1
42	02-000603		ROD, DISCONNECT	1
43	02-000602		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 (54:1) (PLATE 2 OF 2)
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PLATE NO.	F01.07	SIMON AERIALS INC.	REV.10 APR., 1992
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PART NO. 02-010500

PART NO. 02-010500



Art # F01.020013

Art # F01.010023

optional "Q-HUB"
Quick disconnect kit

TITLE

TORQUE HUB (54:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV.10 APR., 1992

PART
NO.

02-010500

PLATE
NO.

F01.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-000423		HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3			CONE AND ROLLER, BEARING (1-5/8" [41 mm] bore)	2
4	02005101		CUP, BEARING	2
5			RETAINER, INPUT BEARING	1
6			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	02-005103		PLATE, DRIVER	5
21			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

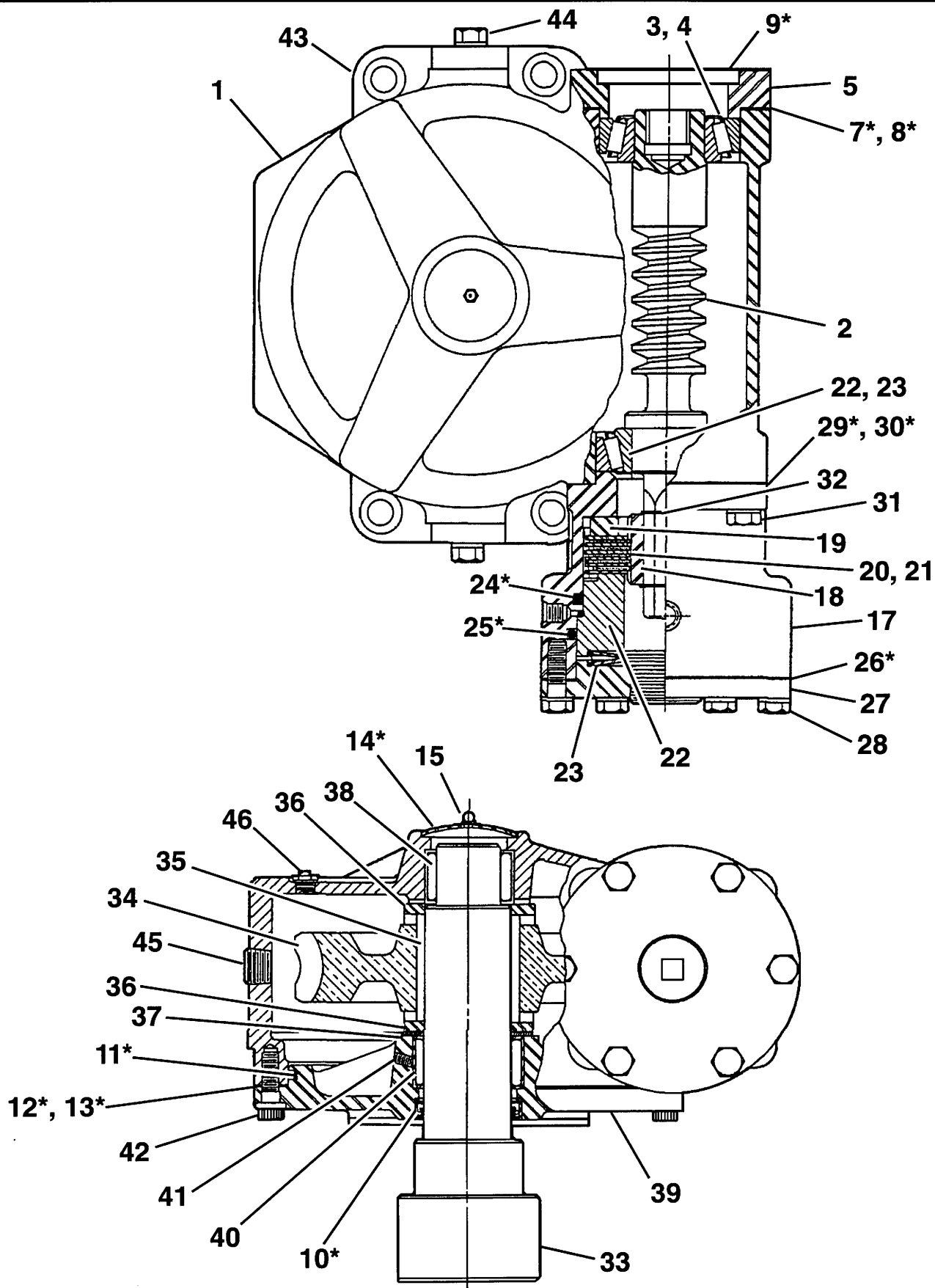
TITLE SWING REDUCER (PLATE 1 OF 2)

PLATE NO. F02.02

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART NO. 02-005100



TITLE

SWING REDUCER (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART
NO.

02-005100

PLATE
NO.

F02.02

PARTS LIST

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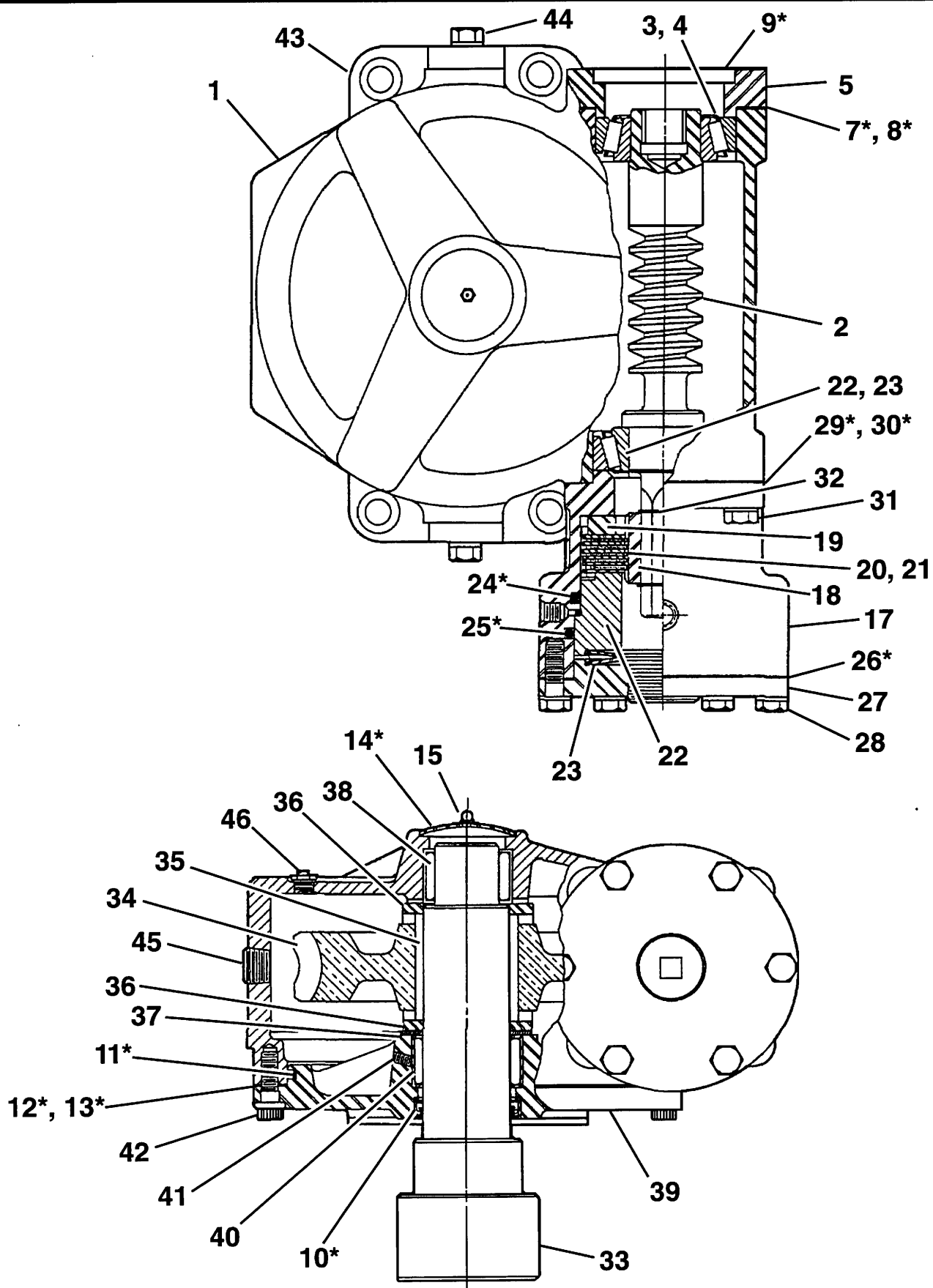
TITLE SWING REDUCER (PLATE 2 OF 2)

PLATE NO. F02.02

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART NO. 02-005100



TITLE

SWING REDUCER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART
NO.

02-005100

PLATE
NO.

F02.02

PARTS LIST

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

TITLE

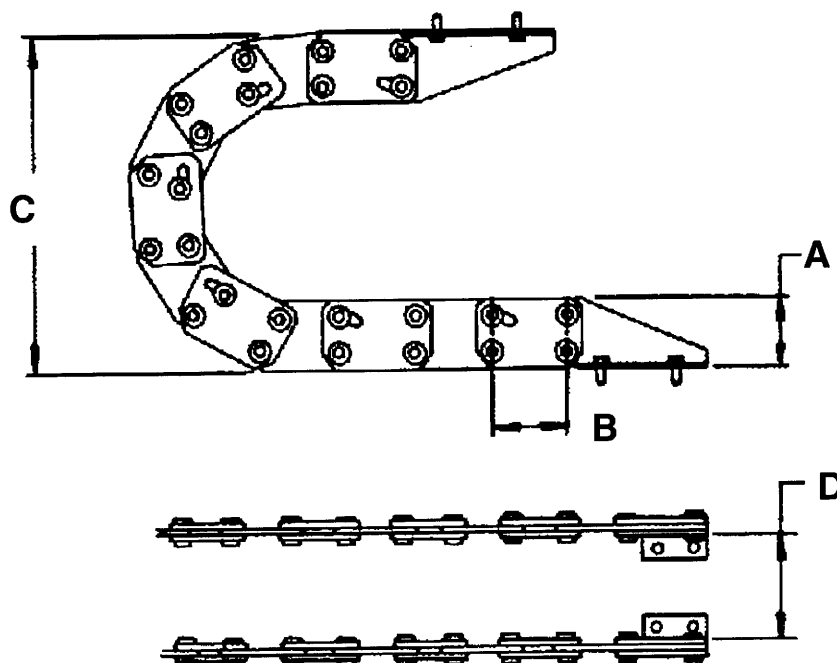
HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

PLATE NO. F03 ALL

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



GEMCO

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

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

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

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

TITLE

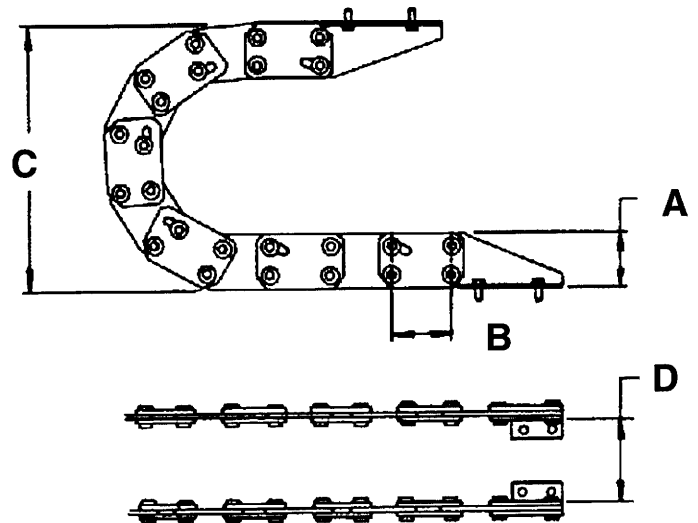
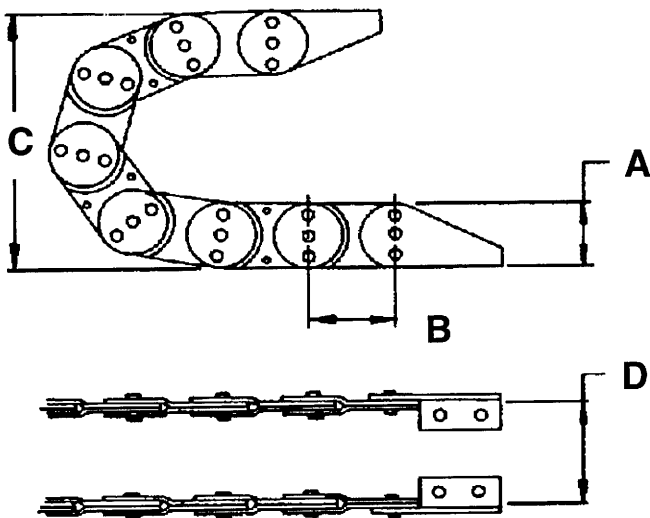
HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

PLATE NO. **F03 ALL**

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



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

GLEASON

A AND A

TYPE	LINK CONSTRUCTION	TYPE	LINK CONSTRUCTION
25			
35			
45			

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. **F03 ALL**

PARTS LIST

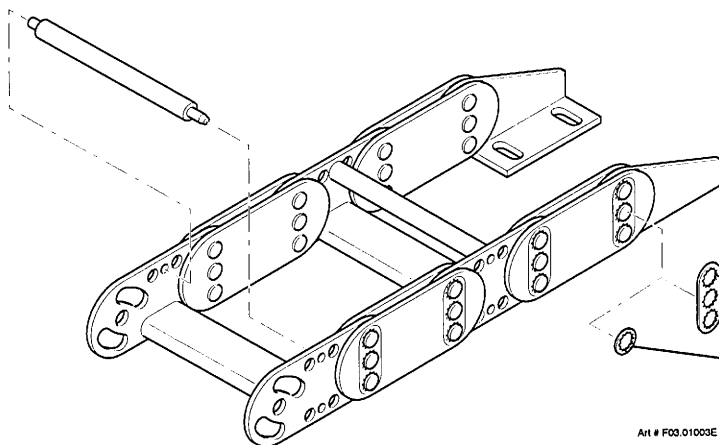
Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25E, 35E, 45E Hose Track:									
-----	08-072600	35E	2-3/4"	3-3/4"	13-1/8"	6"	29	MP 40 Full Hyd. Trailblazer 40	
-----	08-072602	35E	2-3/4"	3-3/4"	13-1/8"	6"	---		3' section, style 35E
-----	08-072700	35E	2-3/4"	3-3/4"	13-1/8"	6"	55	MP 60, MPN 60, and MP 60 Z Full Hydraulic for Field Service	
-----	08-072701	35E	---	---	----	---	---		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.	
-----	08-073400	45E	3-3/4"	5"	15-1/8"	6"	54	MP 70 Hydraport	
-----	08-073500	45E	3-3/4"	5"	15-1/8"	6"	59	MP 70 Full Hyd.	
-----	08-073600	45E	3-3/4"	5"	15-1/8"	6"	64	MP 70 Hydraport	
-----	08-073700	45E	3-3/4"	5"	15-1/8"	6"	69	MPH 80 Full Hyd.	
-----	08-076700	25E	1-3/4"	2-1/2"	13-1/8"	4"	44	MPH 80 Hydraport	
-----	08-076800	25E	1-3/4"	2-1/2"	13-1/8"	4"	54	MP 40 Hydraport or Electro-Prop.	All without Keel Boom
-----	08-076900	25E	1-3/4"	2-1/2"	13-1/8"	4"	81	MP 50 Hydraport or Electro-Prop.	
-----	08-076700	25E	1-3/4"	2-1/2"	13-1/8"	4"	44	MP 60, MPN 60, and MP 60 Z Hydraport or Electro-Prop.	
-----	08-076800	25E	1-3/4"	2-1/2"	13-1/8"	4"	54	MP 70 Hydraport or Electro-Prop.	
-----	08-076900	25E	1-3/4"	2-1/2"	13-1/8"	4"	81	MP 80, MPN 80, and MP 80 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.

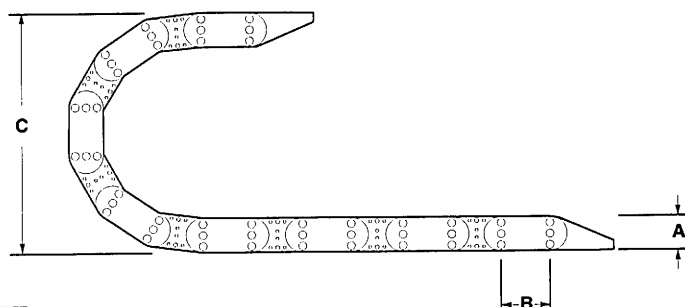


Triple Pushnut used for factory installation only.

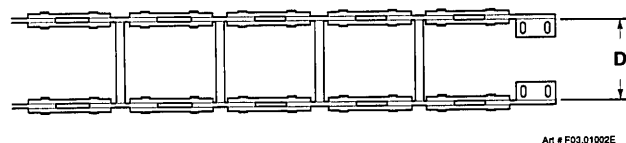
Single Pushnut is available for service. See chart.

Art # F03.01003E

GLEASON



TYPE	LINK CONSTRUCTION
35E	
45E	



Art # F03.01002E

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

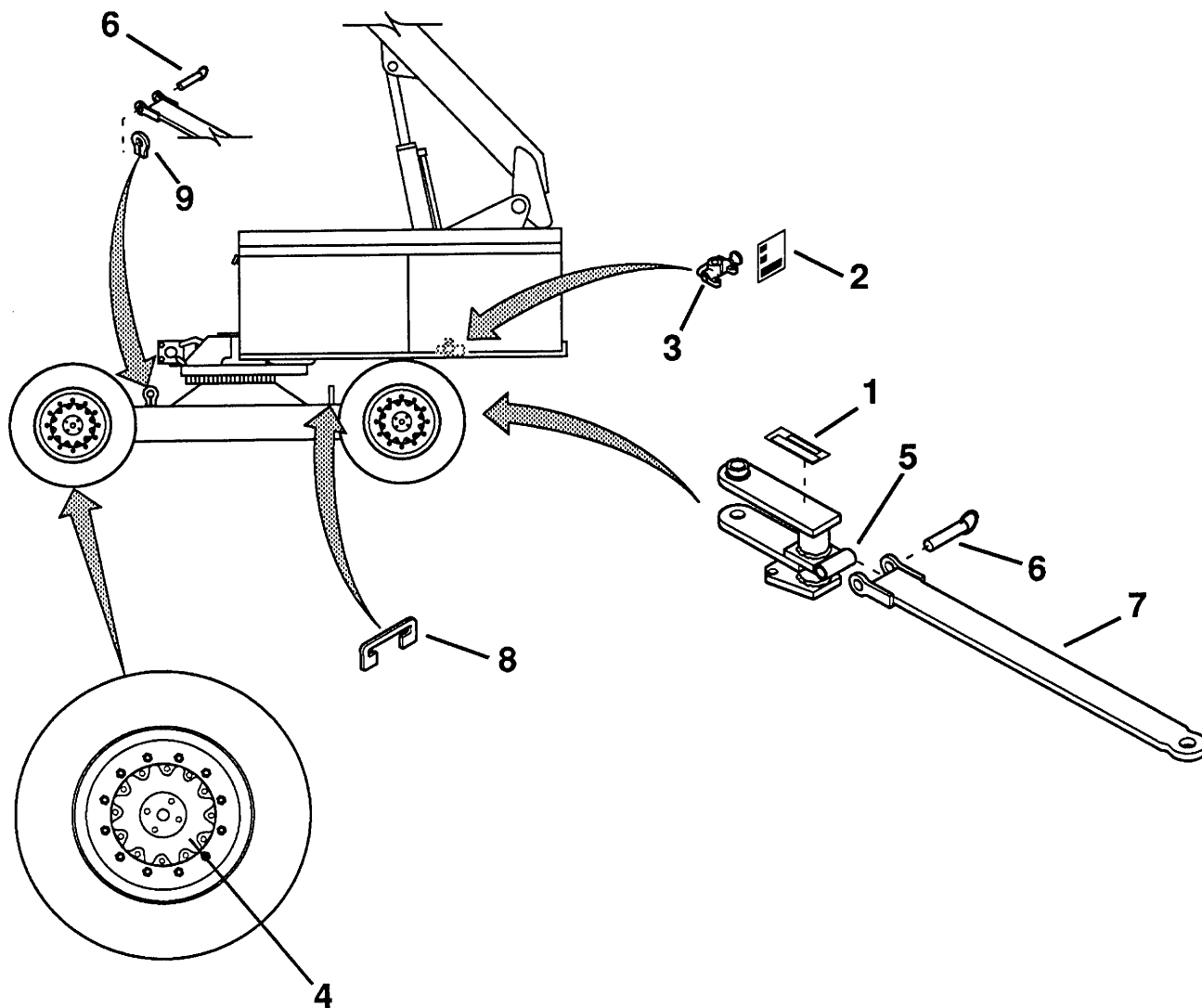
**PART
NO.**

**PLATE
NO. F03 ALL**

[illegible]

TOWING EQUIPMENT (OPTIONAL)

PART NO. 3519960



TITLE

TOWING EQUIPMENT (OPTIONAL)

SIMON AERIALS INC.

ORIGIN 07/12/90

PART
NO.

3519960

PLATE
NO.

F05.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	10-084900		DECAL, "DANGER" (Electrocution Hazard) [7-1/4" (184 mm) x 6" (152 mm)]	2
2	10-019000		DECAL, "DANGER" (Electrocution Hazard) [4-1/8" (105 mm) x 4-5/8" (117 mm)]	2
3	10-012600		DECAL, "CAUTION" ("Open tank valves . . .")	1
4	10-012200		DECAL, "CAUTION" ("For Hydraulic Fluid . . . DTE 15 . . .")	1
5	10-012700		DECAL, "CAUTION" ("Disengage drive mechanism . . .") (for units equipped with optional Tow Package)	1
6	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for units with water cooled engine)	1
7	10-094800		DECAL, "DON'T BE CARELESS . . ."	1
8	10-094900		DECAL, "CAUTION, ROTATING FAN . . ."	1
9	10-018900		DECAL, "BEWARE" (Potential Hazard)	2
10	10-137500		DECAL, GROUND ELECTRICAL CONTROLS	1
11	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	2
12	10-013400		PLACARD, "500 LBS. (226.4 KG) . . . CAPACITY"	2
	10-022900		PLACARD, "650 LBS. (294.8 KG) . . . CAPACITY"	2
13	10-138000		PLACARD, GROUND VALVE AND STEER DISENGAGE	1
14	10-137900		DECAL, DESCENT VALVE INSTRUCTION (for units with optional emergency lowering valves)	1
15	10-137800		DECAL, DESCENT VALVES (for three valves) (for units with optional emergency lowering valves)	1
16	10-131500		DECAL, REMOTE PENDANT CONTROLLER	1
17	10-007400		DECAL, "GENERAL MAINTENANCE . . ."	1
18			DECAL, "ENGINE MAINTENANCE . . ."	
	10-007500		for units using Wisconsin engine without oil bath air cleaner	1
	10-111600		for units using Wisconsin engine with oil bath air cleaner	1
	No part #		for units with Deutz F4L 1011 engine	1
19	10-012900		DECAL, "FORWARD" (Large letter "F", large black arrow)	2
20	10-011900		DECAL, "BRAKE METERING VALVE"	1
21	10-013500		PLACARD, "DIESEL FUEL ONLY" (with Diesel engine)	1
22	10-024600		DECAL, "HYDRAULIC FLUID LEVEL CHECK . . ."	1

TITLE DECALS, MPN 60 WITH ELECTRO-PROPORTIONAL (TYPE 2) CONTROL

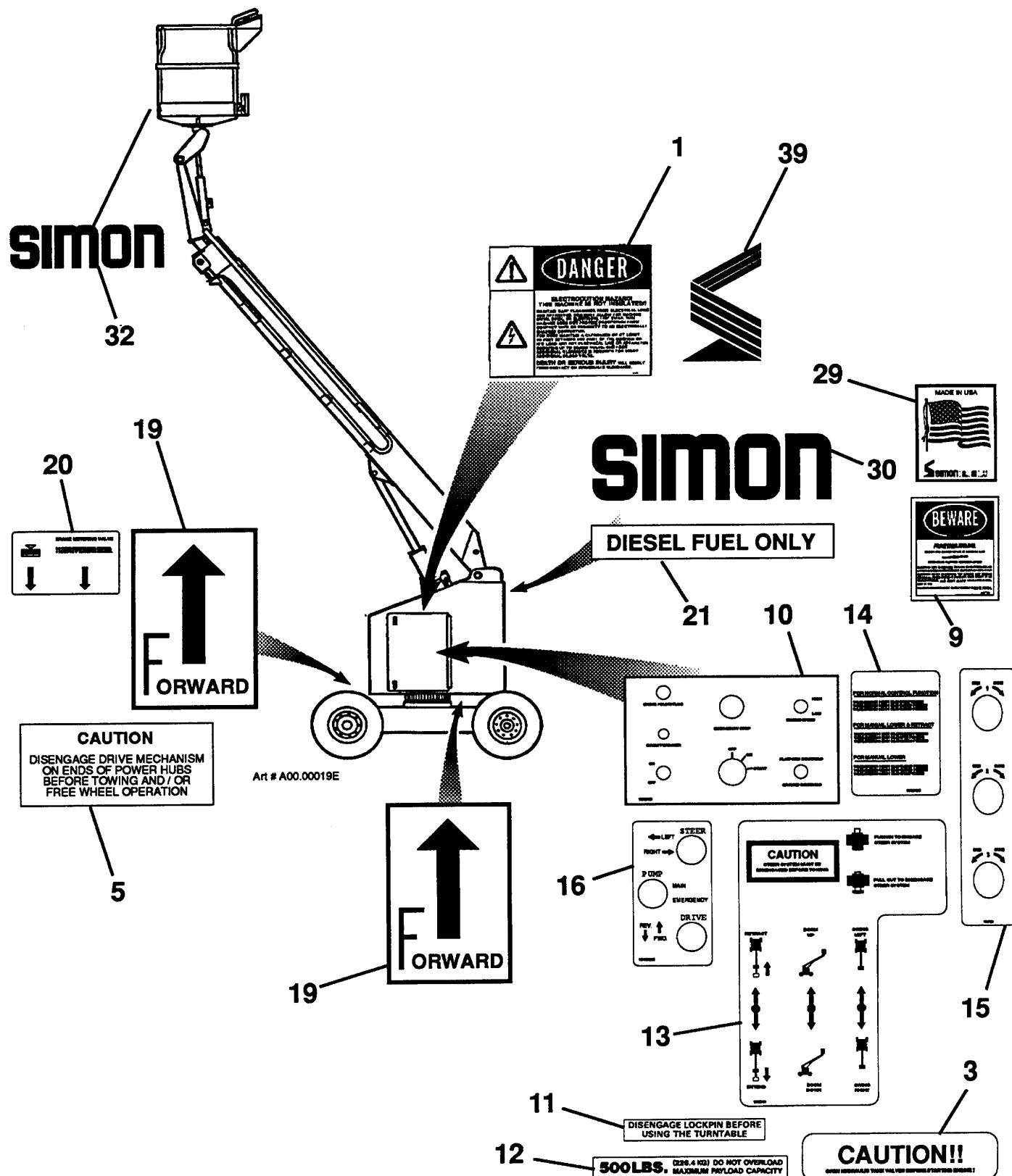
PLATE NO.

F99.06

SIMON AERIALS INC.

NEW 01 JUL., 1992

PART NO.



TITLE DECALS, MPN 60 WITH ELECTRO-PROPORTIONAL (TYPE 2) CONTROL

SIMON AERIALS INC.

NEW 01 JUL, 1992

**PART
NO.**

PLATE NO.	F99.06
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PARTS LIST

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TITLE DECALS. MPN 60 WITH ELECTRO-PROPORTIONAL (TYPE 2)

PLATE NO.	F99.06	SIMON AERIALS INC.
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NEW 01 JUL. 1992

**PART
NO.**

