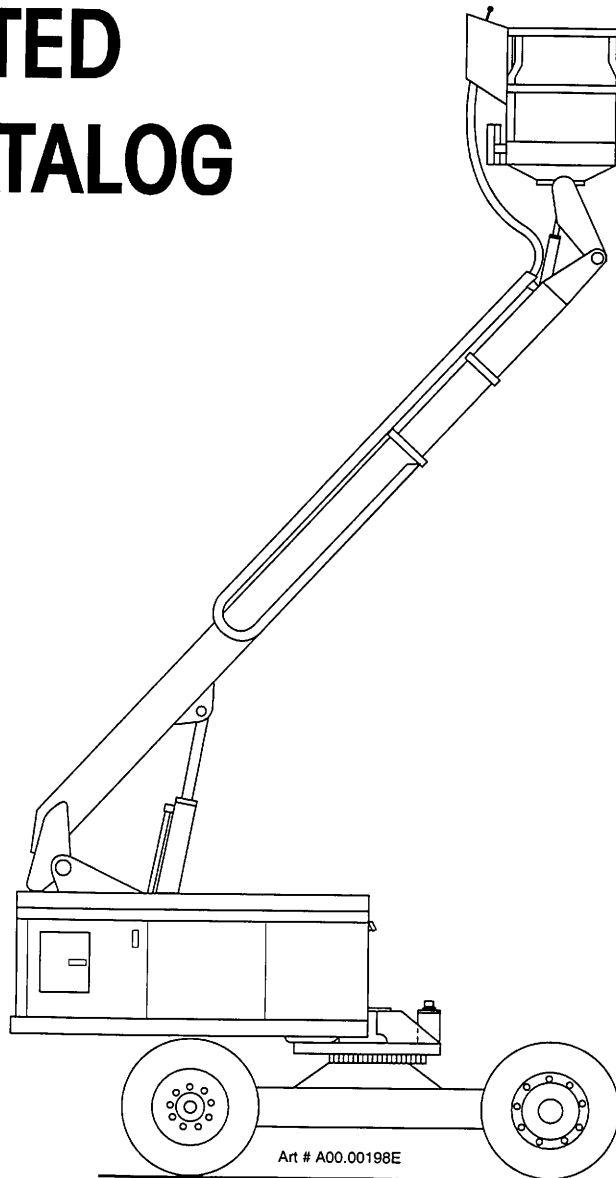


MODEL MP 60

Featuring "Electro-Proportional"
Control System
S/N ACA01300 and up

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-160305 • Initial Issue dated Dec. 1996 •

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INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON MP 60 SELF-PROPELLED AERIAL WORK PLATFORMS equipped with "ELECTRO-PROPORTIONAL" controls. 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 proper OPERATION and reliable 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 "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to MP 60 "ELECTRO-PROPORTIONAL" machines are included in this 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 B01 through F99. Each section contains the individual parts that make up a major component, assembly or item. The first four sections (B01 through B04) contain the major assemblies, or "Primary Machine Component Groups". Sections that follow contain sub-assemblies or components of these "major" assemblies.

If a part number is followed by a plate number in the "SEE SECTION" column, refer to the plate indicated for a further breakdown of components for that part number. Items with indented descriptions are components of the non-indented item directly above.

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

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

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

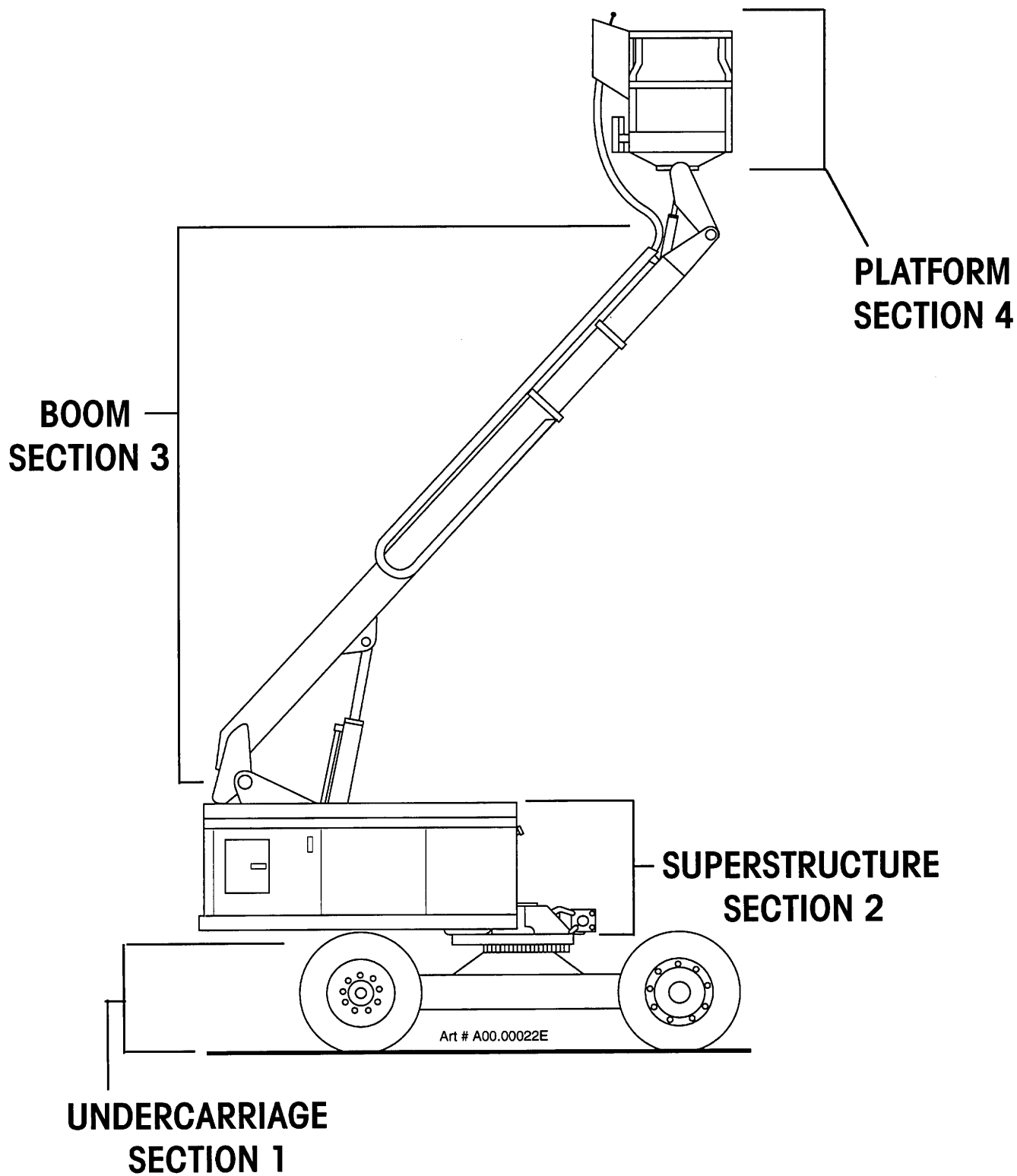
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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 machine before ordering or installing replacement parts.

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). 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 machines.

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



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TITLE

PRIMARY MACHINE COMPONENT GROUPS, MP 60

PART
NO.

REV.

-

DATED

DEC. 1996

SECTION

PLATE NO.

PAGE

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This undercarriage for two wheel drive MP 60 . For four wheel drive components, see plate B01.18.	
1	235 0230		UNDERCARRIAGE WELDMENT	1
2	350 2495	C01.14	SPINDLE ASSEMBLY (Right hand)	1
3	350 3089	C01.15	SPINDLE ASSEMBLY (Left hand)	1
4	231 9630		PIN, SPINDLE (1-1/2" dia. x 11-3/4" long)	2
5	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
6	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
7	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	2
8	351 1980		TIE ROD ASSEMBLY	2
9	212 3220		TIE ROD (32.12" [82 cm] long)	1
10	08-007100		END, TIE ROD (R.H. thread)	1
11	08-060600		END, TIE ROD (L.H. thread)	1
12	08-053100		FITTING, GREASE (1/4"-28, Straight)	2
13	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 2)	1
14	07-047222		NUT, JAM (3/4"-16, L.H. thread, Grade 2)	1
15	07-004650		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/4", Grade 8)	2
16	07-047122		NUT, HEX JAM (3/4"-16, Grade 2)	2
17	07-004651		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/2", Grade 8)	2
18	200 4208		ARM, CENTER STEER (without tow package) (Note: with tow package, also order part #210 3610. Welding required.)	1
19	08-053100		FITTING, GREASE (1/4"-28, Straight)	1
20	08-066300		CAP, GREASE FITTING (White plastic)	1
21	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4"-2" O.D., 1-1/2" long)	2
22	231 9640		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	1
23	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
24	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
25	See plate . . .	D01.11	CYLINDER, STEER	1
26	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
27	217 1250		PIN, STEER CYLINDER (1" dia. x 3-7/16") (rod end)	1
28	08-040600		RING, RETAINING (1")	2
29	04-003401		PIN, STEER CYLINDER (1" dia. x 3-1/2" long) (base end)	1
30	04-003404		CLIP, HAIR PIN	2

TITLE

UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)

SECTION

B01.

PLATE NO.

16

PAGE

01

REV.

A

DATED

11 JUN., 1996

PART NO.



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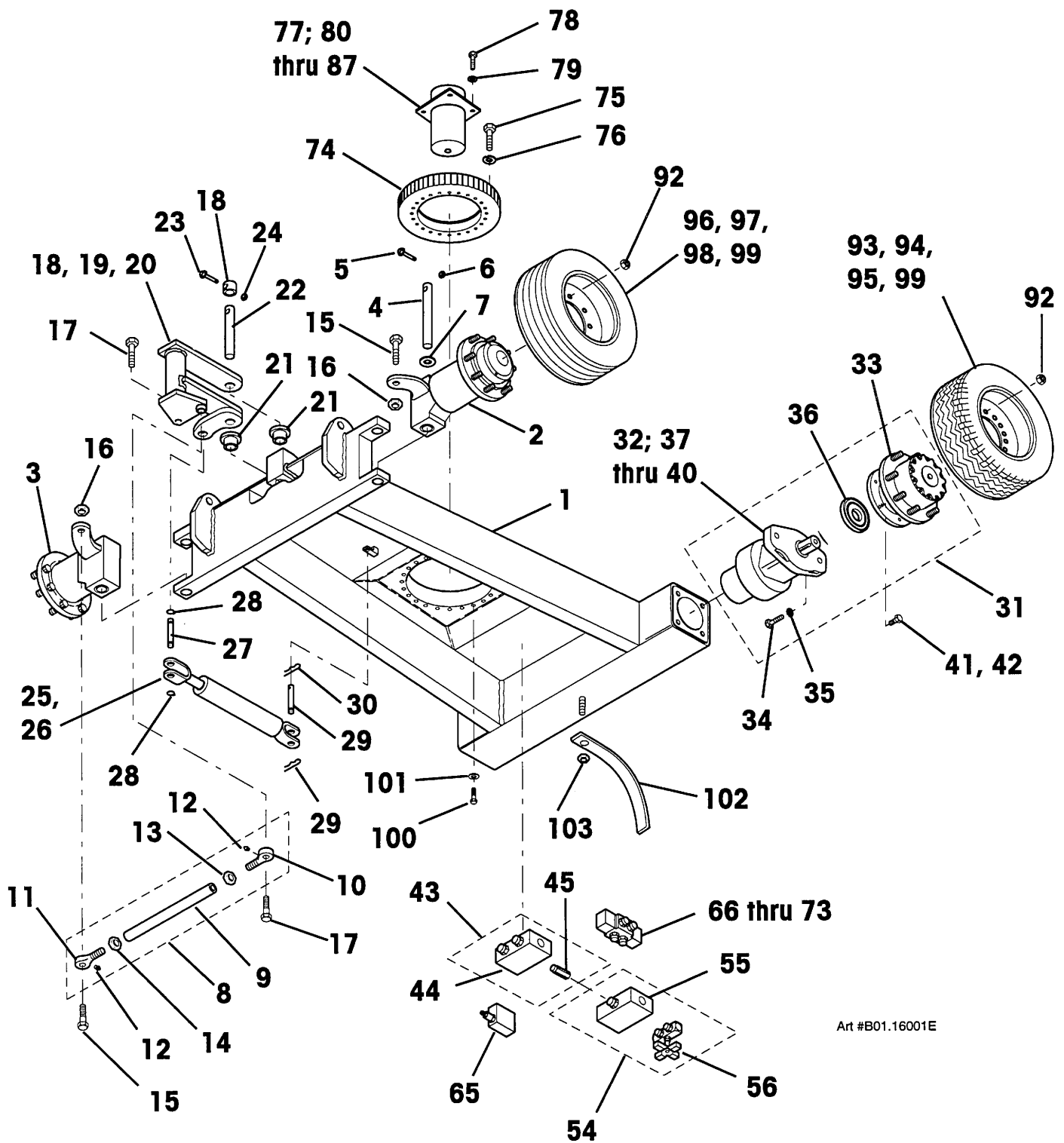
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31			DRIVE HUB ASSEMBLY	2
32	See plate . . .	D03.02	MOTOR, HYDRAULIC	1
33	02-048500		HUB, TORQUE	1
34	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
35	07-065018		WASHER, HELICAL LOCK (1/2")	2
36	01-030900		SEAL, MOTOR TO TORQUE HUB	1
37	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12)	4
38	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
39	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
40	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	2
41	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
42	07-065021		WASHER, HELICAL LOCK (5/8")	16
43			VALVE ASSEMBLY, MOTION CONTROL	1
44	01-013100		VALVE, MOTION CONTROL (10:1 pilot ratio)	1
45	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	1
46	06-021300		TEE, UNION (12 JTX-S)	1
47	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
48	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	2
49	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C50X-S)	1
50	06-045600		90° ELBOW, "O"-RING TO 37° (12-16 C50X-S)	1
51	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S50X-S)	1
52	350 7665		TUBE ASSEMBLY	1
53	350 7867		TUBE ASSEMBLY	1
54			VALVE ASSEMBLY, FLOW DIVIDER	1
55	01-018300		VALVE, FLOW DIVIDER	1
56	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1
57	06-002000		CONNECTOR, MALE 37° TO NPT (12-16 FTX-S)	1
58	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
59	06-012300		RUN TEE, MALE 37° TO NPT (12 RTX-S)	2
60	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
61	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
62	06-057800		NUT, TUBE (12 BTX-S)	2
63	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	2
64	350 7654		TUBE ASSEMBLY	2

TITLE **UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)**

SECTION **B01.** | PLATE NO. **16** | PAGE **02** | REV. **A** | DATED **11 JUN., 1996** | PART NO.

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Art #B01.16001E



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TITLE

UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)

PART
NO.

REV. A

DATED
11 JUN., 1996

SECTION

B01.

PLATE NO.

16

PAGE

02

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
65	01-011400		VALVE, CARTRIDGE RELIEF	1
66			VALVE ASSEMBLY, SELECTOR (for Two wheel drive machines with Two-speed drive option)	1
67	01-230300		VALVE, HI/ LOW SPEED DRIVE (Pilot operated)	1
68	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X-S)	3
69	06-044500		ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
70	06-045400		ELBOW, STRAIGHT THREAD (12 C50X-S)	2
71	06-056300		TEE, SWIVEL (12 S6X-S)	1
72	06-057800		NUT, TUBE (12 BTX-S)	1
73	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	1
74	08-057100		SWING BEARING	1
75	07-004655		CAP SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	18
76	07-061022	D02.--	WASHER, FLAT (3/4" SAE)	18
77	See index		SWIVEL, HYDRAULIC	1
78	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
79	07-065018		WASHER, HELICAL LOCK (1/2")	4
Ports 1 and 2, Hydraulic Swivel top section:				
80	06-041400		ADAPTER, "O"-RING TO 37° (16 F50X-S)	2
Ports 3, 4, 5 and 6, top section:				
81	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	4
Ports 1 and 2, Hydraulic Swivel bottom section:				
82	06-045800		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	2
Port 3, bottom section:				
83	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
84	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S50X-S)	1
85	06-054500		RUN TEE, SWIVEL NUT (6 R6X-S)	A.R.
Ports 4 and 5, bottom section:				
86	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C50X-S)	2
Port 6, bottom section:				
87	06-095100		PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	1
88	208 9148		CLAMP, DRIVE HOSE	2
89	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	4
90	07-050015		NUT, HEX STOP (5/16"-18, Grade 5)	4
91	07-062015		WASHER, FLAT (5/16")	8
92	07-058123		NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40
TITLE			UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)	
SECTION	B01.	PLATE NO.	16	PAGE 03
REV.	A	DATED	11 JUN., 1996	PART NO.



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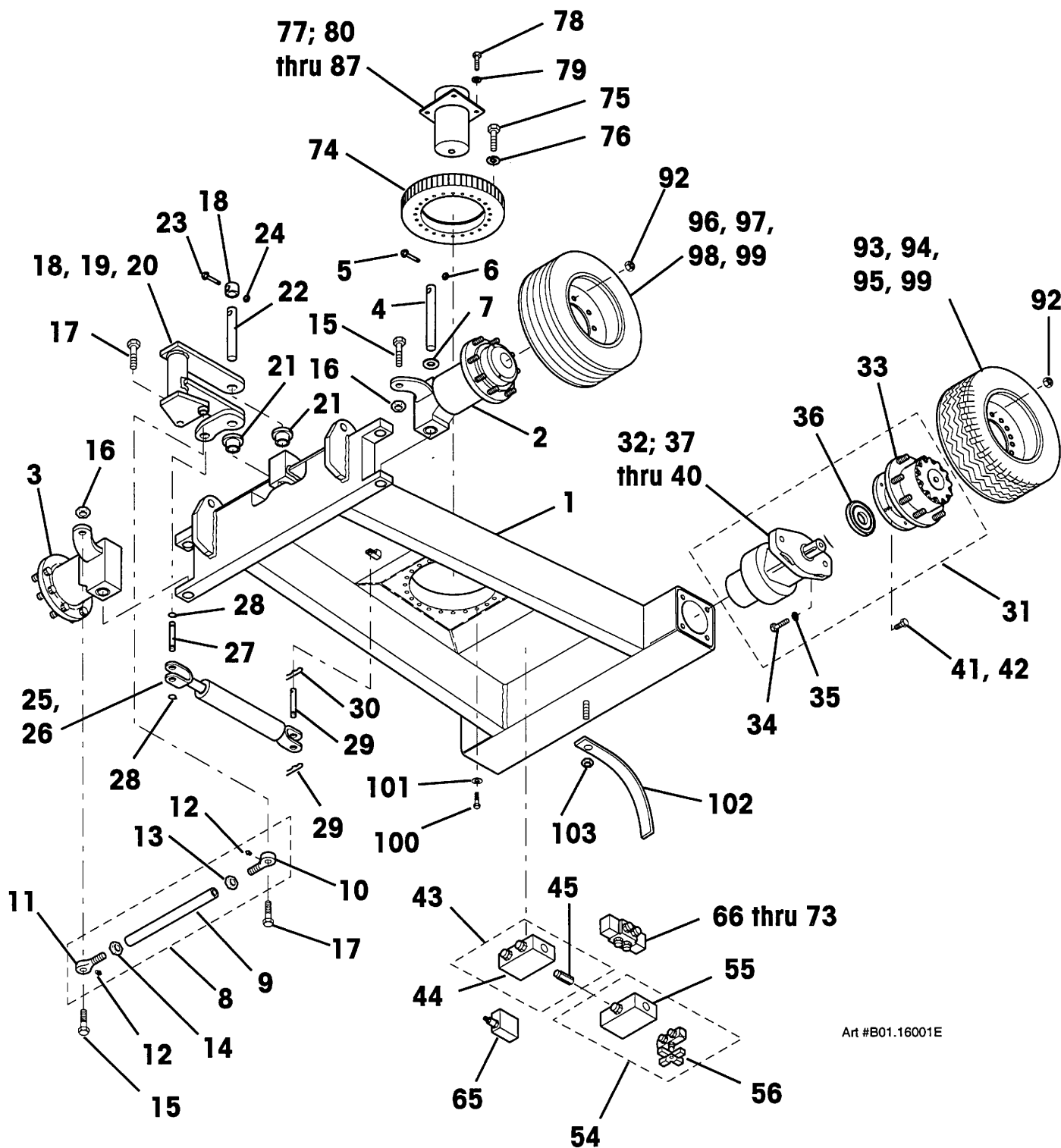
PARTS LIST

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:	
93	351 5620		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	351 5710		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
94	02-024700		TIRE (15-19.5 "Jumbo Super All Grip" Tubeless)	1
95	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
93	350 3104		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	350 8460		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
94	02-001300		TIRE (15-19.5 "Custom Xtra Grip" Tubeless)	1
95	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
93	354 0830		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	354 0840		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
94	02-047800		TIRE (15-19.5 NHS "Super Agri Loader", 14 Ply rating)	1
95	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
93	- - -		TIRE AND WHEEL ASSEMBLY, SOLID	2
94	02-044000		TIRE (9.00 x 20 "Soft Shoe", solid rubber, lugged)	1
95	02-043900		WHEEL (20" [51 cm] dia. x 8" [20 cm], demountable rim)	1
96	351 5630		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	351 5720		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
97	02-024800		TIRE (15-19.5 "Jumbo Jet Cargo" Tubeless)	1
98	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
96	351 0016		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	350 8534		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
97	02-001200		TIRE (15-19.5 "Custom Hi-Miler" Tubeless)	1
98	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
96	- - -		TIRE AND WHEEL ASSEMBLY, SOLID	2
97	02-044000		TIRE (9.00 x 20 "Soft Shoe", solid rubber, lugged)	1
98	02-043900		WHEEL (20" [51 cm] dia. x 8" [20 cm], demountable rim)	1
99	02-047100		INNER TUBE (for use with liquid filled tire)	A.R.
100	07-004152		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
101	07-061022		WASHER, FLAT (3/4" SAE)	23
102	03-472100		STRAP, GROUNDING (option)	1
103	07-058400		NUT, LUG (1/2"-13, Grade 8)	1

TITLE UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)

SECTION B01. PLATE NO. 16 PAGE 04 REV. A DATED 11 JUN., 1996 PART NO.

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Art #B01.16001E

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TITLE

UNDERCARRIAGE ASSEMBLY (MP 60, 2 WHEEL DRIVE)

PART
NO.

REV. A

DATED
11 JUN., 1996

SECTION

B01.

PLATE NO.

16

PAGE

04

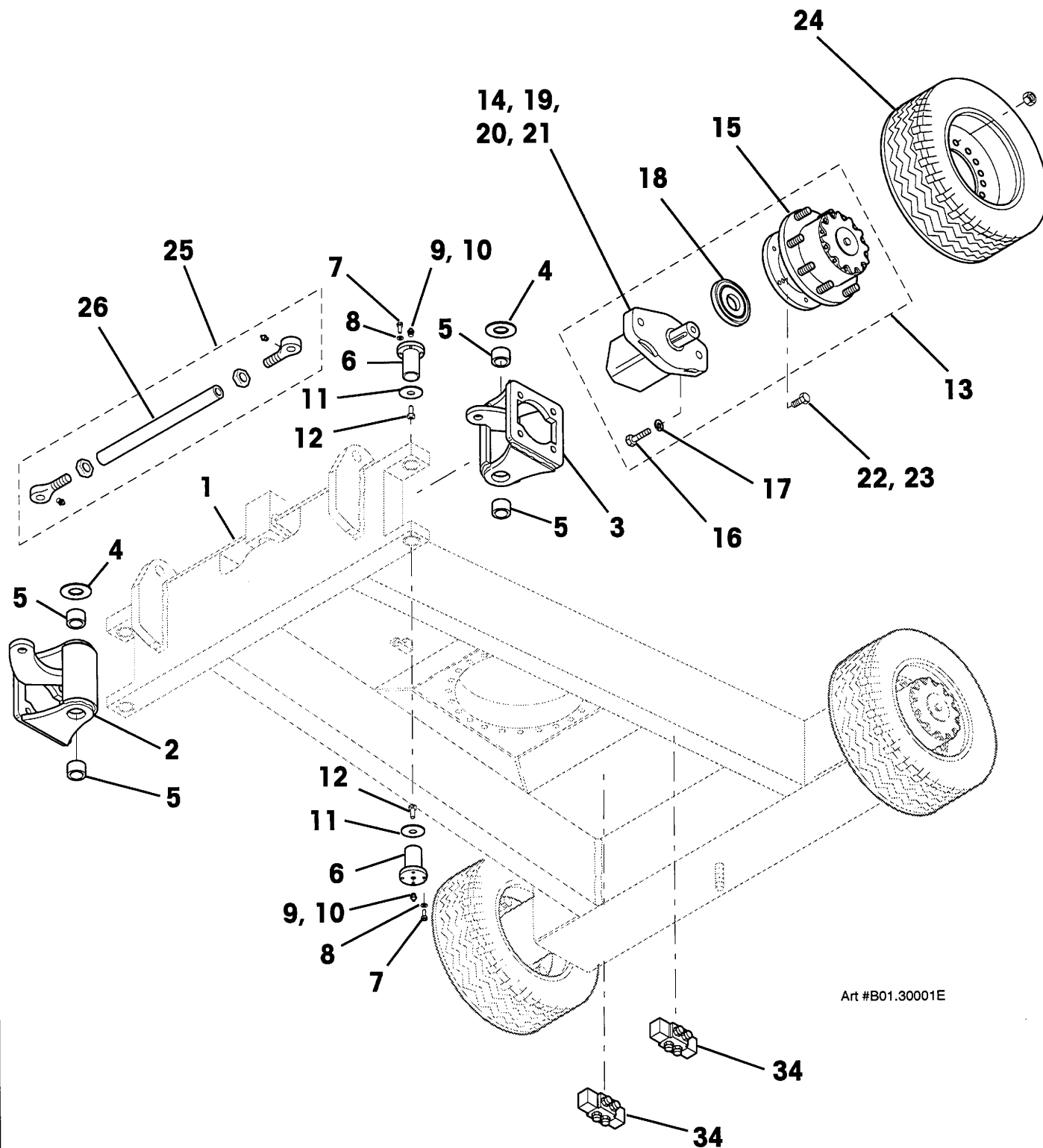
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This plate identifies items found only on MP 60's with the "Two wheel drive/ Four wheel drive" option . It contains only those items that are used in addition to or in place of items shown on the "Two wheel drive" Undercarriage parts plate.	
1	205 4120		UNDERCARRIAGE WELDMENT (replaces part shown on 2WD plate)	1
2	202 2631		SPINDLE ASSEMBLY, FRONT DRIVE (Right hand)	1
3	202 2644		SPINDLE ASSEMBLY, FRONT DRIVE (Left hand)	1
4	08-004200		WASHER, THRUST (2-1/32" I.D., 3-5/8" O.D.)	4
5	201 0735		BEARING, SLEEVE (2-3/8" O.D. x 1-3/4" long)	4
6	234 0700		PIN, STEER	4
7	07-008046		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 8)	16
8	07-065016		WASHER, HELICAL LOCK (3/8")	16
9	08-051300		FITTING, GREASE (1/8", 90°)	4
10	08-066300		CAP, GREASE FITTING (White plastic)	4
11	214 2180		RETAINER, STEER SPINDLE BUSHING	2
12	07-017083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	2
13			DRIVE HUB ASSEMBLY (steer wheels)	2
14	See plate . . .	D03.07	MOTOR, HYDRAULIC (without brake)	1
15	02-048500		HUB, TORQUE	1
16	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
17	07-065018		WASHER, HELICAL LOCK (1/2")	2
18	01-030900		SEAL	1
19	06-047400		45° ELBOW, "O"-RING TO 37° (12 V50X-S)	2
20	06-045400		90° ELBOW, "O"-RING TO 37° (12 C50X-S)	2
21	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C50X-S)	2
22	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
23	07-065021		WASHER, HELICAL LOCK (5/8")	16
24			TIRE AND WHEEL ASSEMBLY, DRIVE (refer to drive wheel selections shown on 2WD plate.)	4
25	351 2000		TIE ROD ASSEMBLY (replaces part shown on 2WD plate)	2
26	212 3240		TIE ROD (29.19" [74 cm] long)	1
27	208 9148		CLAMP, DRIVE HOSE	10
28	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
29	07-062016		WASHER, FLAT (3/8")	8
30	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	12
31	07-050015		NUT, HEX STOP (5/16"-18, Grade 5)	12
32	07-062015		WASHER, FLAT (5/16")	24
33	10-150900		SLEEVE, COIL (Plastic, 1" dia.) (Bulk item, order as needed.	
34	01-230500		8 ft [2.44 M] required this application) VALVE, SELECTOR (Replaces part shown on 2WD plate.)	A.R. 2

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP 60

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Art #B01.30001E



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TITLE

TWO WHEEL/ FOUR-WHEEL DRIVE OPTION, MP 60

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 7090		UNDERCARRIAGE ASSEMBLY (MP 60, 4WD, with Tri-Flow Manifold)	1
2	236 1770		UNDERCARRIAGE WELDMENT	1
3	202 2631		SPINDLE ASSEMBLY, FRONT DRIVE (Right hand)	1
4	202 2644		SPINDLE ASSEMBLY, FRONT DRIVE (Left hand)	1
5	08-004200		WASHER, THRUST (2-1/32" I.D., 3-5/8" O.D.)	4
6	201 0735		BEARING, SLEEVE (2-3/8" O.D. x 1-3/4" long)	4
7	234 0700		PIN, STEER	4
8	07-008046		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 8)	16
9	07-065016		WASHER, HELICAL LOCK (3/8")	16
10	08-051300		FITTING, GREASE (1/8", 90°)	4
11	08-066300		CAP, GREASE FITTING (White plastic)	4
12	214 2180		RETAINER, STEER SPINDLE BUSHING	2
13	07-017083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	4
14	07-065018		WASHER, HELICAL LOCK (1/2")	4
15	354 5320		DRIVE HUB ASSEMBLY (steer wheels)	2
16	See plate . . .	D03.07	MOTOR, HYDRAULIC (without brake)	1
17	02-048500		HUB, TORQUE	1
18	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
19	07-065018		WASHER, HELICAL LOCK (1/2")	2
20	01-030900		SEAL	1
21	06-047400		45° ELBOW, "O"-RING TO 37° (12 V50X-S)	2
22	06-045400		90° ELBOW, "O"-RING TO 37° (12 C50X-S)	2
23	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C50X-S)	2
24	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
25	07-065021		WASHER, HELICAL LOCK (5/8")	16
26	351 2000		TIE ROD ASSEMBLY	2
27	212 3240		TIE ROD (29.19" [74 cm] long)	1
28	08-007100		END, TIE ROD (R.H. thread)	1
29	08-060600		END, TIE ROD (L.H. thread)	1
30	08-053100		FITTING, GREASE (1/4"-28, Straight)	2
31	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 2)	1
32	07-047222		NUT, JAM (3/4"-16, L.H. thread, Grade 2)	1
33	07-004650		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/4", Grade 8)	2
34	07-047122		NUT, HEX JAM (3/4"-16, Grade 2)	2
35	07-004651		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/2", Grade 8)	2

TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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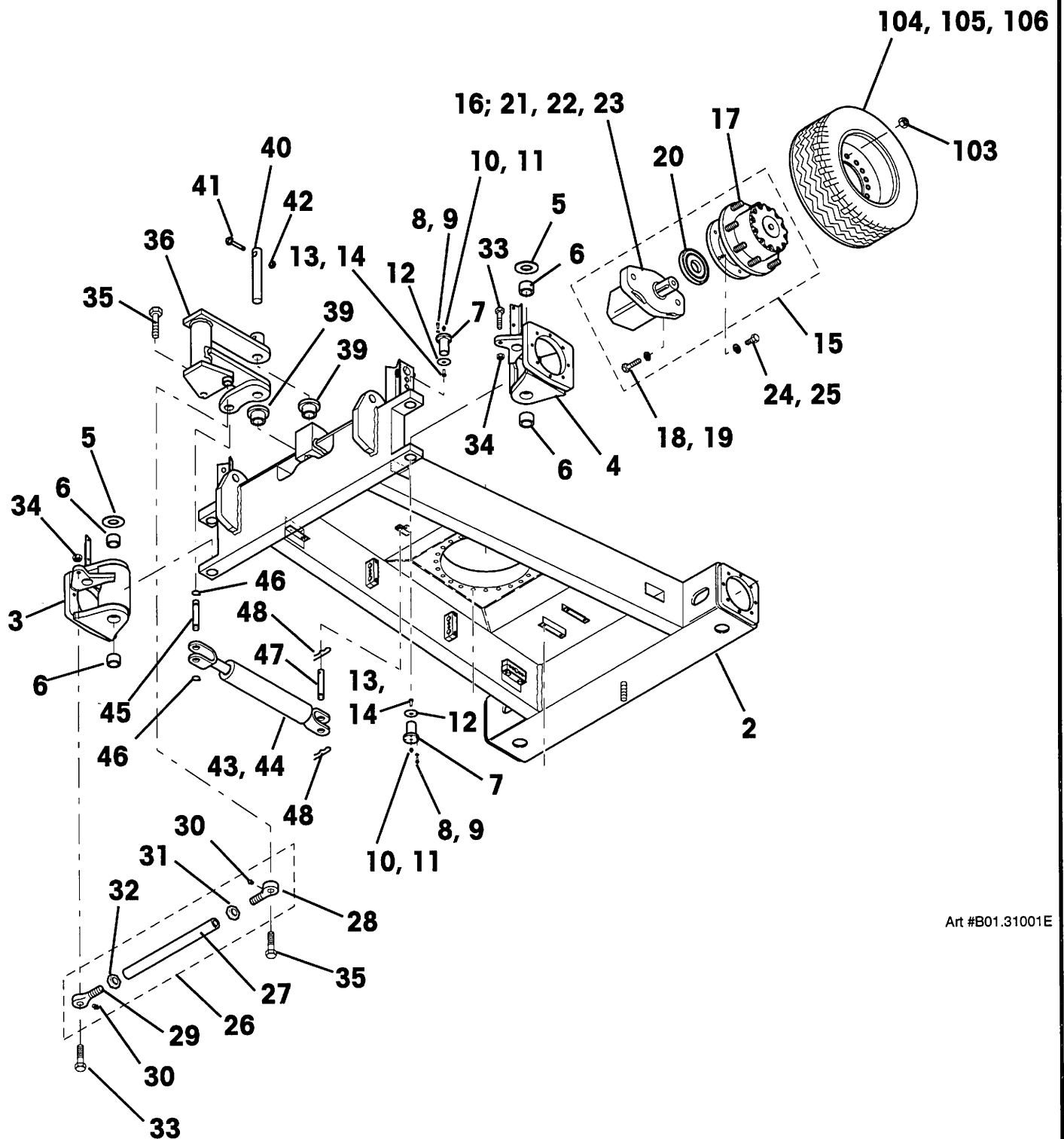
10 JUN., 1996

PART NO.

354 7090



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TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	200 4208		UNDERCARRIAGE ASSEMBLY (continued) ARM, CENTER STEER (without tow package) (Note: with tow package, also order part #210 3610. Welding is required.)	1
37	08-053100		FITTING, GREASE (1/4"-28, Straight)	1
38	08-066300		CAP, GREASE FITTING (White plastic)	1
39	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4"-2" O.D., 1-1/2" long)	2
40	231 9640		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	1
41	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
42	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
43	See plate . . .	D01.11	CYLINDER, STEER	1
44	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
45	217 1250		PIN, STEER CYLINDER (1" dia. x 3-7/16") (rod end)	1
46	08-040600		RING, RETAINING (1")	2
47	04-003401		PIN, STEER CYLINDER (1" dia. x 3-1/2" long) (base end)	1
48	04-003404		CLIP, HAIR PIN	2
49	354 5310		DRIVE HUB ASSEMBLY (non-steer wheels)	2
50	See plate . . .	D03.02	MOTOR, HYDRAULIC	1
51	02-048500		HUB, TORQUE	1
52	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
53	07-065018		WASHER, HELICAL LOCK (1/2")	2
54	01-030900		SEAL, MOTOR TO TORQUE HUB	1
55	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12)	4
56	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
57	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
58	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	2
59	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
60	07-065021		WASHER, HELICAL LOCK (5/8")	16
61	See plate . . .	C12.05	VALVE ASSEMBLY, DRIVE	1
62	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
63	07-065016		WASHER, HELICAL LOCK (3/8")	4
64	07-062016		WASHER, FLAT (3/8")	8
65	236 1790		PLATE, VALVE MOUNTING	1
66	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	4
67	07-062016		WASHER, FLAT (3/8")	8
68	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4

TITLE

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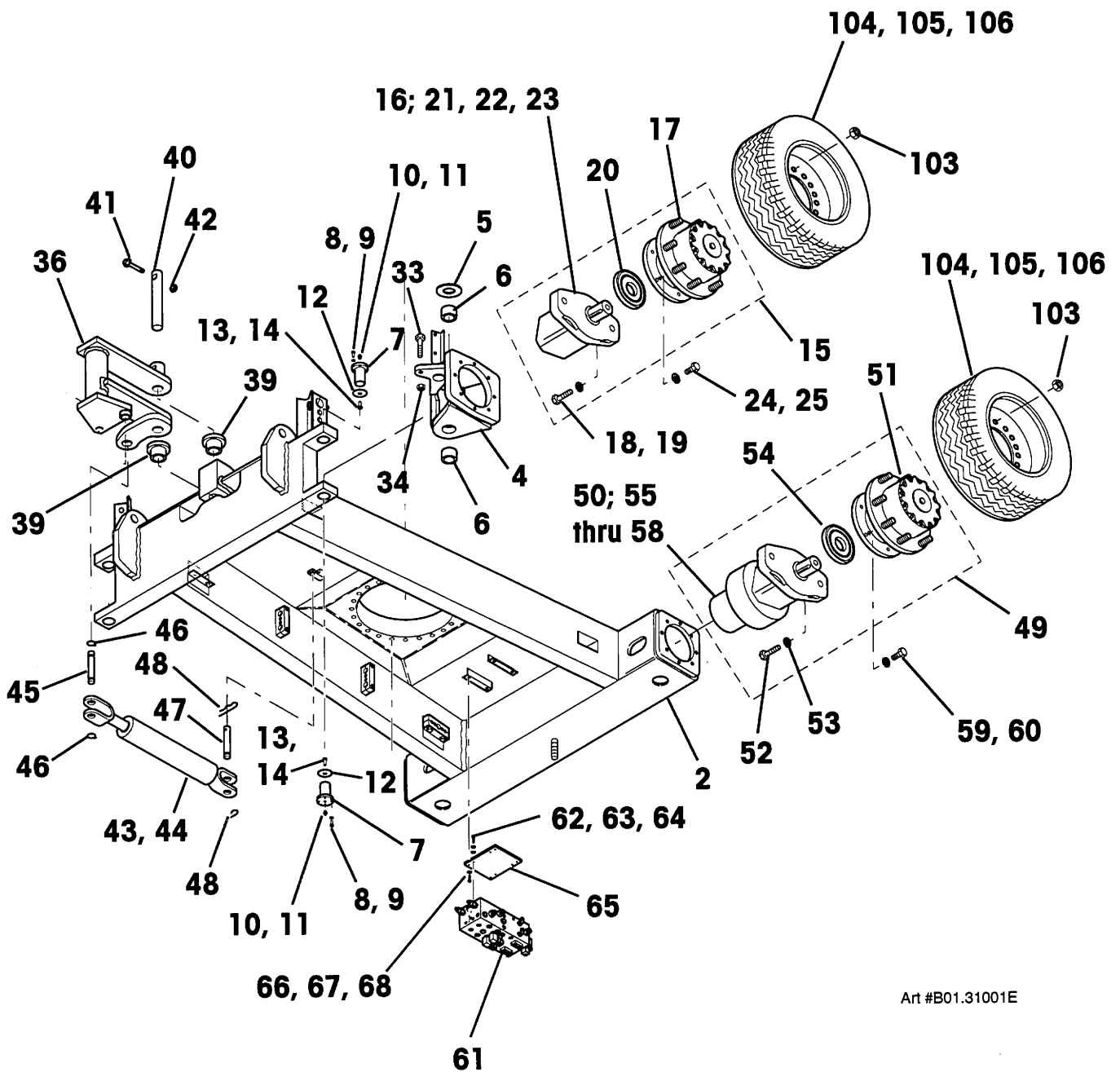
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PART NO.

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TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
69	08-080600		UNDERCARRIAGE ASSEMBLY (continued)	
70	07-004655		SWING BEARING	1
71	07-061022		CAP SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	18
72	See plate . . .	D02.01	WASHER, FLAT (3/4" SAE)	18
73	07-003087		SWIVEL, HYDRAULIC	1
74	07-065018		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
			WASHER, HELICAL LOCK (1/2")	4
			Ports 1 and 2, Hydraulic Swivel top section:	
75	06-041400		ADAPTER, "O"-RING TO 37° (16 F50X-S)	2
			Ports 3, 4, 5 and 6, top section:	
76	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	4
			Center port, top section:	
77	06-071400		REDUCER, PIPE THREAD (3/4 x 1/2 PTR-S)	1
78	06-001000		CONNECTOR, MALE 37° TO NPT (6-8 FTX-S)	1
			Ports 1 and 2, Hydraulic Swivel bottom section:	
79	06-045800		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	2
			Port 3, bottom section:	
80	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
81	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S50X-S)	1
82	06-054500		RUN TEE, SWIVEL NUT (6 R6X-S)	A.R.
			Ports 4 and 5, bottom section:	
83	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C50X-S)	2
			Port 6, bottom section:	
84	06-095100		PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	1
			Center port, bottom section (for electrical swivel):	
85	06-071400		REDUCER, PIPE THREAD (3/4 x 1/2 PTR-S)	1
86	06-001000		CONNECTOR, MALE 37° TO NPT (6-8 FTX-S)	1
87	06-192200		ADAPTER, ELECTRICAL SWIVEL TO HYDRAULIC SWIVEL (1/2" NPT Male x 1/2" NPT Female hose fitting)	1
88	03-037300		SWIVEL, ELECTRICAL (3 circuit, 15 Amp, 12 Volt DC)	1
89	03-041000		GRIP, CORD (Plastic, 1/2", with .38" to .44" seal)	1
90	11-007006		ROD, THREADED (1/2"-13, Grade 2. 3 ft [.914 m] piece. 9" [22.9 cm] needed in this application.)	A.R.
91	07-040018		NUT, HEX (1/2"-13, Grade 5)	1
92	07-065018		WASHER, HELICAL LOCK (1/2")	1

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UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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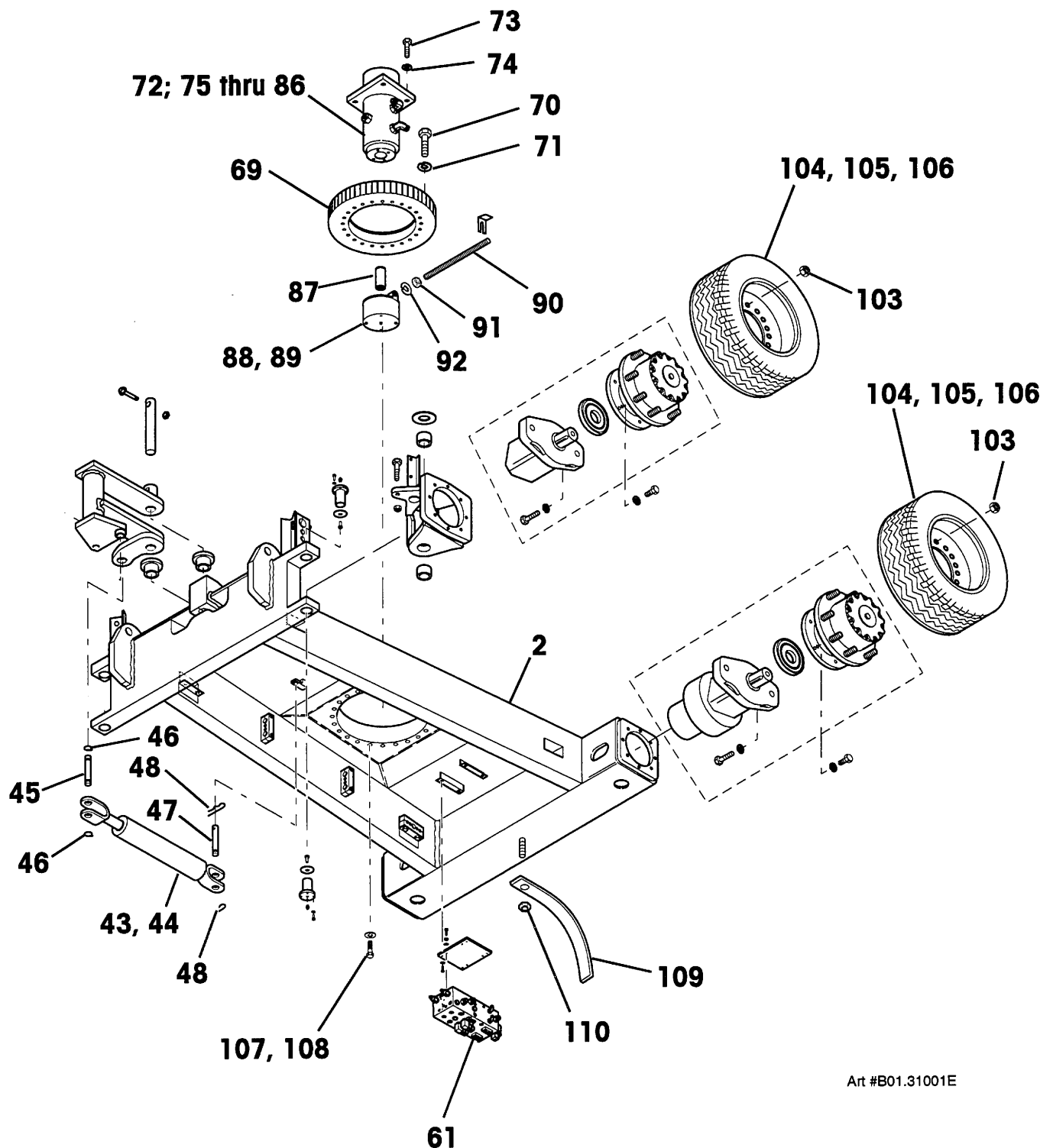
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PART
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TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
93	354 7390		UNDERCARRIAGE ASSEMBLY (continued)	1
94	208 9148		HOSE KIT, UNDERCARRIAGE (MP 60, 4WD, with Tri-Flow Valve)	12
95	07-050016		CLAMP, DRIVE HOSE	8
96	07-062016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
97	07-003031		WASHER, FLAT (3/8")	16
98	07-050015		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	16
99	07-062015		NUT, HEX STOP (5/16"-18, Grade 5)	32
100	10-150900		WASHER, FLAT (5/16")	
			SLEEVE, COIL (Plastic, 1" dia.) (Bulk item, order as needed.	
101	05-010017		8 ft [2.44 M] required this application)	A.R.
102	08-054000		HOSE ASSEMBLY	1
103	07-058123		FITTING, GREASE (1/4", Straight)	1
			NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40
			The following items are not included with the Undercarriage Assembly:	
			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:	
104	351 5620		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	4
	351 5710		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	4
105	02-024700		TIRE (15-19.5 "Jumbo Super All Grip" Tubeless)	1
106	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
104	350 3104		Or . . .	4
	350 8460		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	4
105	02-001300		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	1
106	02-008400		TIRE (15-19.5 "Custom Xtra Grip" Tubeless)	1
			WHEEL ASSEMBLY (19.5" x 12-1/4")	1
104	354 0830		Or . . .	4
	354 0840		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	4
105	02-047800		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	1
106	02-008400		TIRE (15-19.5 NHS "Super Agri Loader" Tubeless, 14 Ply rating)	1
107	07-00 4152		WHEEL ASSEMBLY (19.5" x 12-1/4")	23
108	07-061022		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
109	03-472100		WASHER, FLAT (3/4" SAE)	1
110	07-058400		STRAP, GROUNDING (option)	1
			NUT, LUG (1/2"-13, Grade 8)	

TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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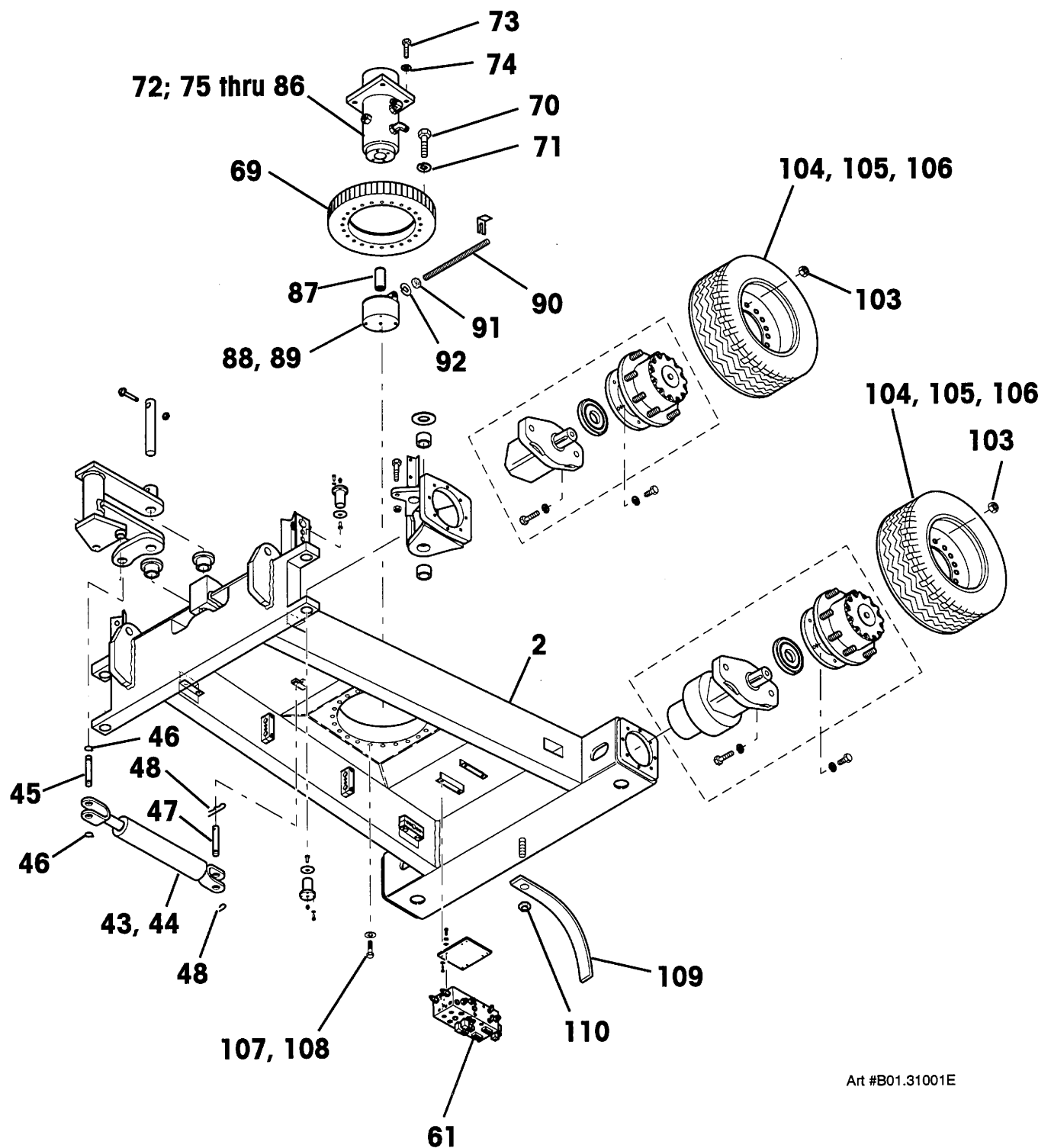
PART

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TITLE

UNDERCARRIAGE ASSEMBLY, MP 60 (4WD)

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354 7090

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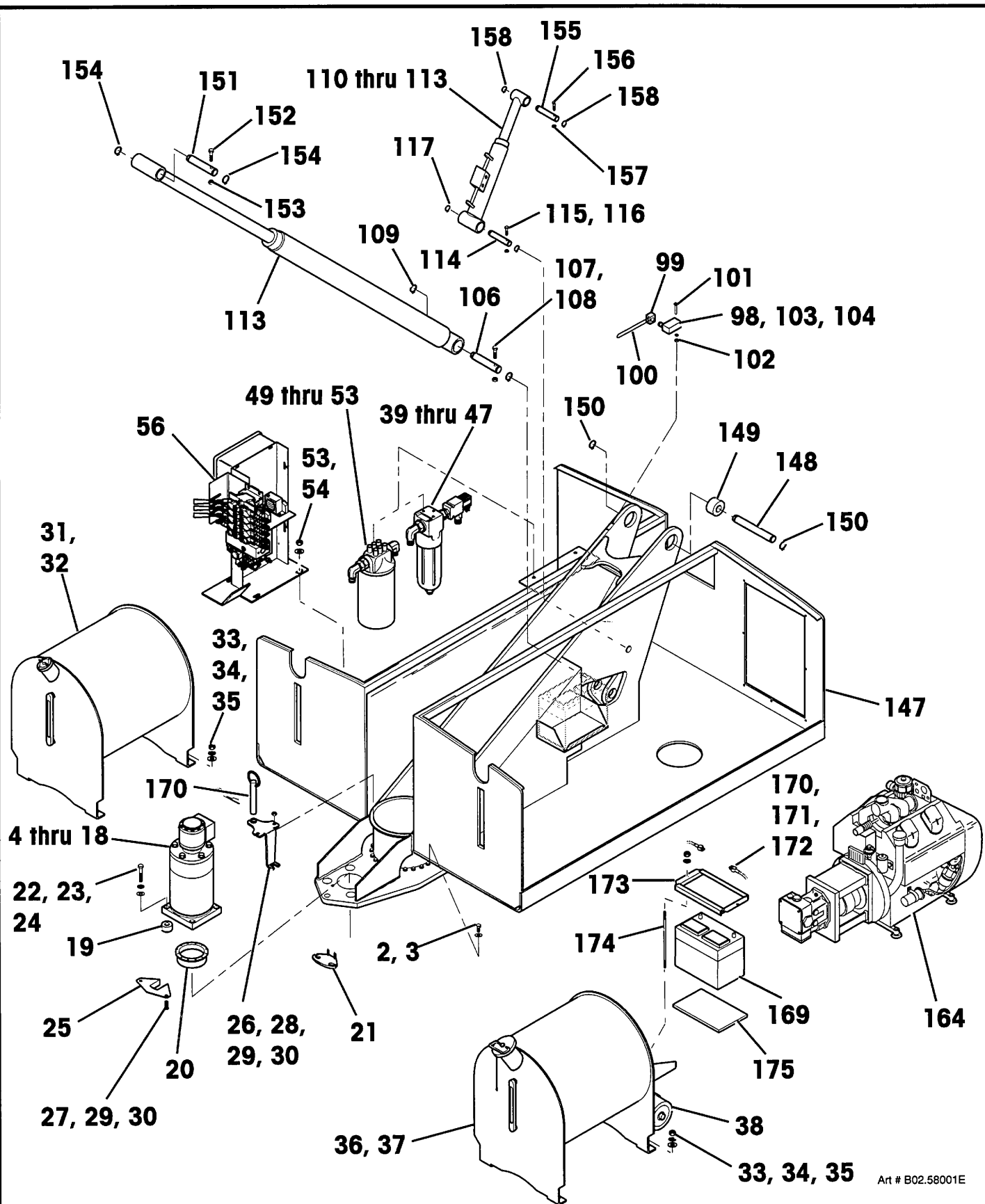
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3547070 354 7071		SUPERSTRUCTURE GROUP MP 60, 2 Wheel Drive, with Electro-Proportional controls MP 60, 4 Wheel Drive, with Electro-Proportional controls	1
2	07-004152		CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)	23
3	07-061022		WASHER, FLAT (3/4" SAE, hardened)	23
4	352 9670		SPEED REDUCER (Swing drive) ASSEMBLY	1
5	See plate . .	D06.12	MOTOR, HYDRAULIC SWING	1
6	See plate . .	F02.04	REDUCER, SWING (Planetary gear type)	1
7	01-013800		VALVE, SHUTTLE	1
8	350 8820		HYDRAULIC TUBE ASSEMBLY (Approx. 8" [200 mm] long. Shuttle valve to brake.)	1
9	350 8835		HYDRAULIC TUBE ASSEMBLY ("U" shape)	2
10	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
11	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
12	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C50X-S)	1
13	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	1
14	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S)	2
15	06-090800		REDUCER/ EXPANDER (10-6 F50 G5-S)	2
16	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
17	07-060018		WASHER, FLAT (1/2", SAE)	2
18	07-065018		WASHER, HELICAL LOCK	2
19	208 3030		SPACER, SPEED REDUCER SUPPORT	4
20	205 9387		RING, ECCENTRIC	1
21	215 9190		PLATE, ECCENTRIC LOCK	1
22	07-004131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 8)	4
23	07-061021		WASHER, FLAT (5/8" SAE)	4
24	07-065021		WASHER, HELICAL LOCK (1/2")	4
25	214 3480		GUARD, SWING PINION GEAR	1
26	210 9250		LOCK, SWIVEL	1
27	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
28	07-040018		NUT, HEX (1/2"-13, Grade 5)	2
29	07-065018		WASHER, HELICAL LOCK (1/2")	4
30	07-062018		WASHER, FLAT (1/2")	4

TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

SECTION **B02.** PLATE NO. **58** PAGE **01** REV. - DATED 30 DEC. 1996 PART NO.

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Art # B02.58001E

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TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

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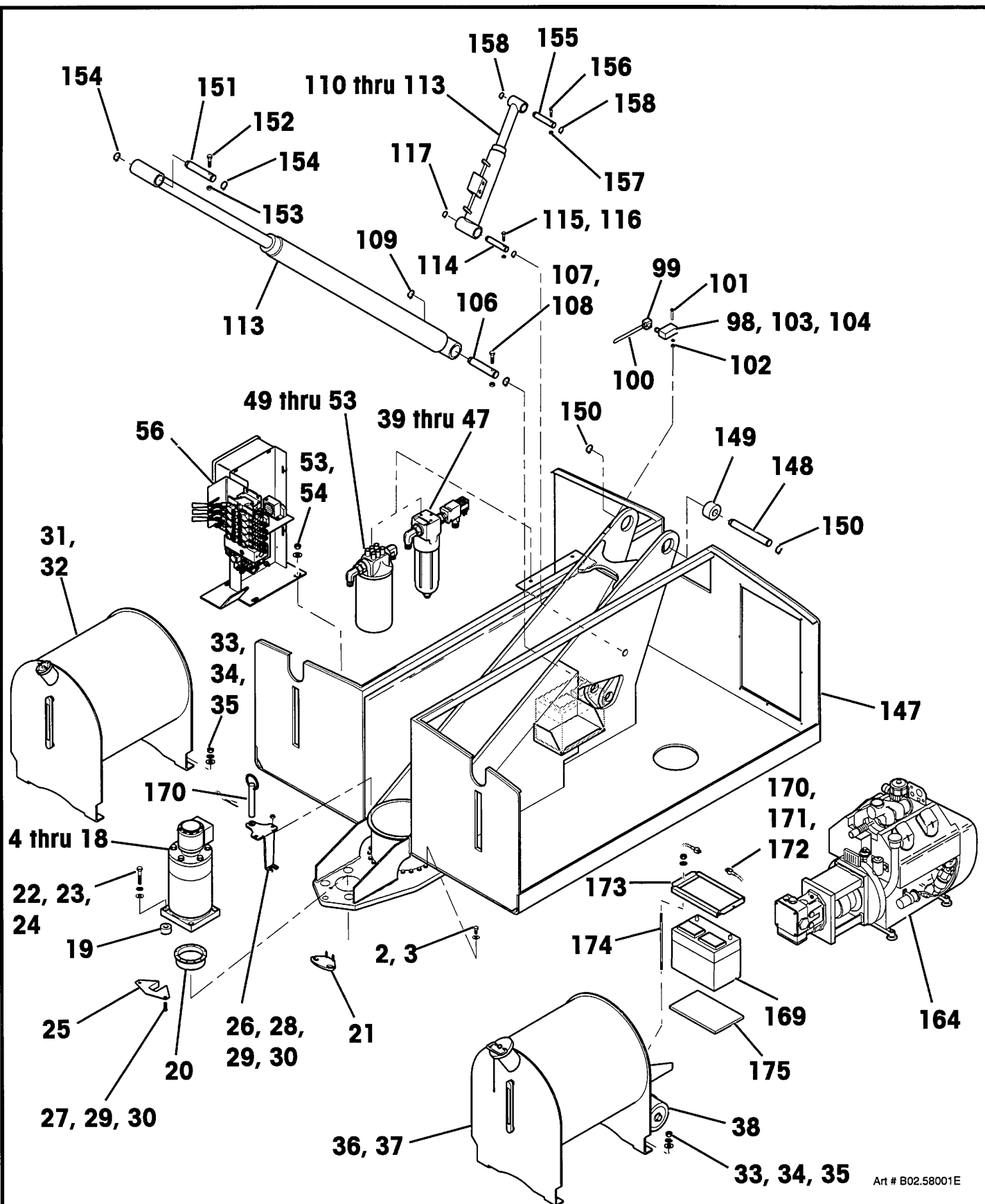
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	See plate . .	C11.01	SUPERSTRUCTURE GROUP (continued)	
32	10-001900		TANK ASSEMBLY, FUEL	1
33	07-040018		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
34	07-065018		NUT, HEX (1/2"-13, Grade 5)	8
35	07-062018		WASHER, HELICAL LOCK (1/2")	8
36	See plate . .	C10. 01	WASHER, FLAT (1/2")	16
37	10-002100		TANK ASSEMBLY, HYDRAULIC	1
38	See plate . .	D07.04	CAP, HYDRAULIC TANK FILLER	1
39	01-237500		PUMP, EMERGENCY HYDRAULIC	1
40	01-237501		FILTER, HYDRAULIC (High pressure, in line, 6000 psi [414 bar], non-bypass)	1
41	06-045800		ELEMENT, FILTER	1
42	06-215200		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
43	01-239400		ADAPTER, SWIVEL NUT (16 F650X-S)	1
44	06-041400		VALVE, CARTRIDGE (On/ Off, with 10 Volt coil)	1
45	07-003045		ADAPTER, "O"-RING to 37° (16 F50X-S)	1
46	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	3
47	07-062016		WASHER, HELICAL LOCK (3/8")	3
48	01-238000		WASHER, FLAT (3/8")	3
49	01-238001		FILTER, HYDRAULIC (Return line)	1
50	06-045800		CANISTER, FILTER (with 10 micron element)	1
51	07-003025		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	2
52	07-065015		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	2
53	07-062015		WASHER, HELICAL LOCK (5/16")	2
54	07-050016		WASHER, FLAT (5/16")	2
55	07-062016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
			WASHER, FLAT (3/8")	8

TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

SECTION **B02.** PLATE NO. **58** PAGE **02** REV. - DATED 30 DEC. 1996 PART NO.

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TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

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30 DEC. 1996

SECTION

B02.

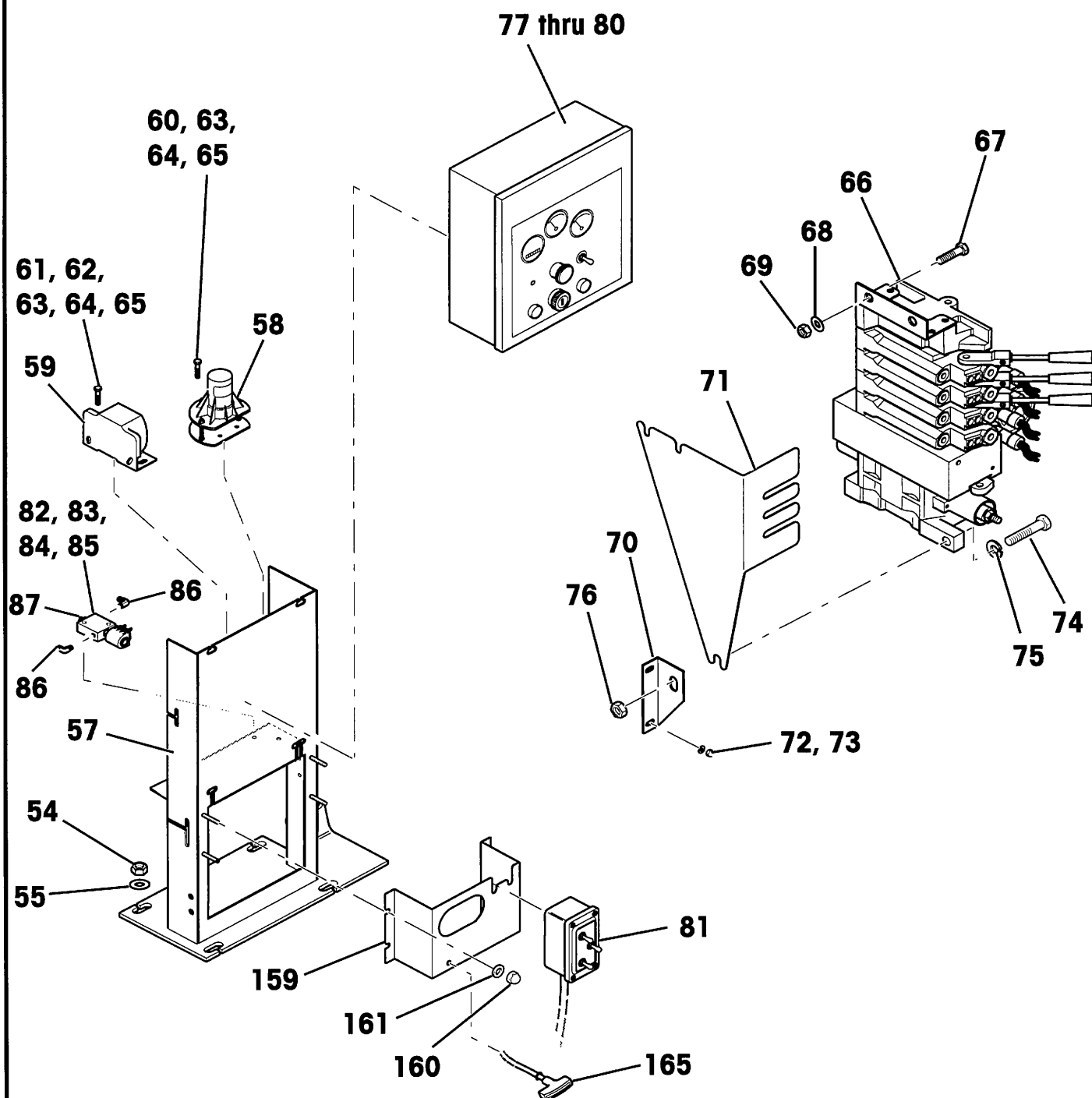
PLATE NO.

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PAGE

02

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
56	353 5501		SUPERSTRUCTURE GROUP (continued)	1
57	230 8400		GROUND CONTROL ASSEMBLY	1
58	03-487100		BRACKET, GROUND CONTROL	1
59	03-706000		SENSOR, LEVEL (4.5°, 2 second delay)	1
60	07-003003		ALARM, MOVEMENT DUAL SOUND	1
61	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
62	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	1
63	07-050014		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	1
64	07-062014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
65	10-060600		WASHER, FLAT (1/4")	6
66	353 5510	C02.37	CLAMP, LOOP (3/8")	2
67	07-003046		MANIFOLD ASSEMBLY	1
68	07-062016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
69	07-050016		WASHER, FLAT (3/8")	2
70	230 8470		NUT, HEX LOCK (3/8"-16, Grade 5)	2
71	230 9620		BRACKET, VALVE MOUNTING	1
72	07-044014		COVER, GROUND CONTROL LEVERS	1
73	07-062014		NUT, ACORN (1/4"-20, low crown, stainless steel)	2
74	07-003048		WASHER, FLAT (1/4")	4
75	07-062016		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	1
76	07-050016		WASHER, FLAT (3/8")	1
77	See plate . .	C03. - -	NUT, LOCK (3/8"-16, Grade 8)	1
78	07-003025		PANEL ASSEMBLY, GROUND ELECTRICAL	1
79	07-062015		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
80	07-050015		WASHER, FLAT (5/16")	8
81	See plate . .	C06.06	NUT, LOCK (5/16"-18, Grade 5)	4
82	01-037100		PENDANT, REMOTE CONTROL	1
83	07-062014		VALVE, SOLENOID (3-way) (items 82 thru 87 used on 2WD)	1
84	07-003011		WASHER, FLAT (1/4")	8
85	03-092200		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	2
86	06-003800		TERMINAL, COUPLING MALE INSULATED	2
87	06-000700		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
88	353 3950		CONNECTOR, MALE 37° TO NPT (6 FTX-S)	1
89	351 5300		HOSE ASSEMBLY (19")	1
90	353 5490		HOSE ASSEMBLY (16")	1
			HOSE ASSEMBLY (12")	1
TITLE SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)				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
SECTION B02.	PLATE NO. 58	PAGE 03	REV. -	
			DATED 30 DEC. 1996	PART NO.



Art # B02.58002E

Simon Aerials Inc.
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TITLE

SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)

PART
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SECTION

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
91	01-230400		SUPERSTRUCTURE GROUP (continued) GROUND CONTROL ASSEMBLY VALVE, DIRECTIONAL (4-way)	
92	06-039800		(item 91 thru 97 used on 2SP 4WD) (not shown)	1
93	06-044600		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
94	06-047000		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
95	07-003010		45° ELBOW, "O"-RING TO 37° (6 V50X)	1
96	07-050014		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
97	07-062014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
98	03-493700		WASHER, FLAT (1/4")	4
99	03-494100		SWITCH, LIMIT (Side rotary, one normally open, one normally closed contact)	1
100	201 0906		ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below.)	1
101	07-008356		ARM, LIMIT SWITCH (Stainless steel rod)	1
102	07-062011		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8, stainless steel)	2
103	03-085200		WASHER, FLAT (#10)	2
104	03-045500		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, 14 ft [4.3 m] required this application)	A.R.
105	04-036000	D09.41	GRIP, CORD (1/2", with .31" to .38" seal)	1
106	219 4570		CYLINDER, BOOM LIFT	1
107	07-003093		PIN, LIFT CYLINDER (1-3/4" x 14-15/16") (base end) (replaces 206 9166)	1
108	07-058400		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
109	08-041000		NUT, LUG (1/2"-13, Grade 8)	1
110	04-035500	D10.14	RING, RETAINING (1-3/4")	2
111	06-044600		CYLINDER, MASTER LEVEL	1
112	06-039800		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
113	06-051500		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
114	206 8884		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
115	07-003093		PIN, MASTER CYLINDER (base end) (1-1/4" x 4-7/8" long) (219 4490)	1
116	07-058400		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
117	08-040700		NUT, LUG (1/2"-13, Grade 8)	1
118	08-050500		RING, RETAINING (1-1/4")	2
119	08-066300		FITTING, GREASE (1/8", 45°)	1
			CAP, GREASE FITTING (White plastic)	1
TITLE			SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)	
SECTION	B02.	PLATE NO.	58	PAGE 04
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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				

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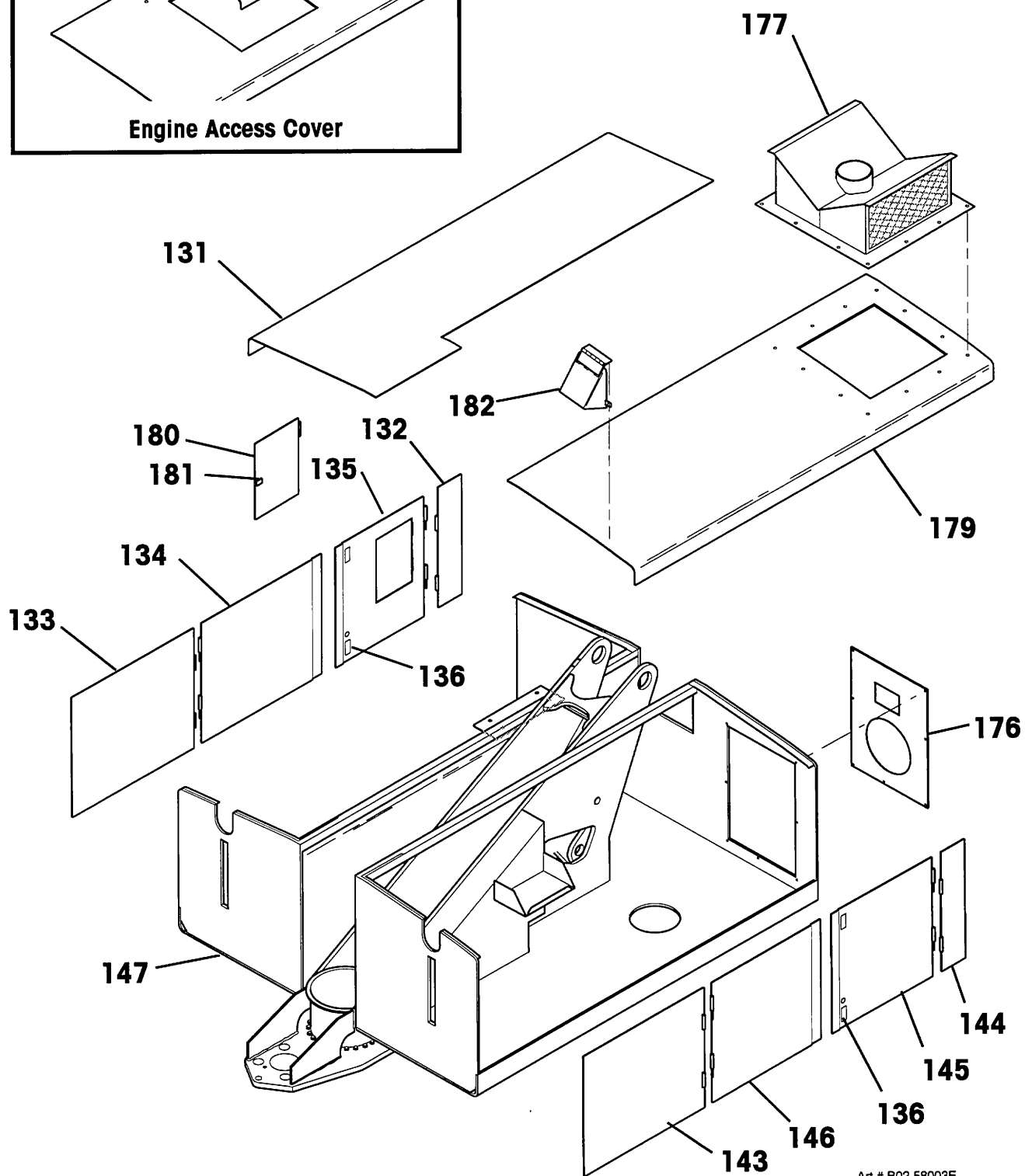
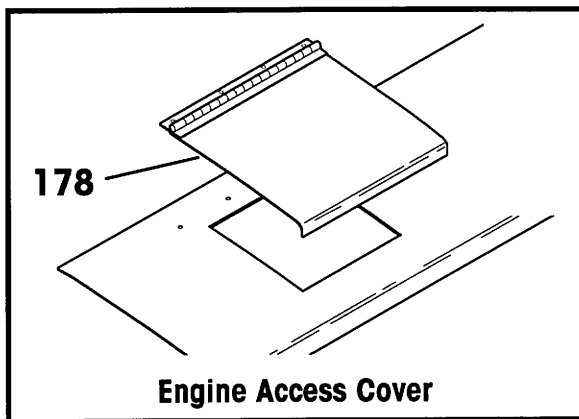
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
131	212 5040		SUPERSTRUCTURE GROUP (continued)	
132	230 4770		PANEL, ROOF (Left)	1
			SIDE PANEL (on left side of superstructure)	
			(Narrow panel to left of doors)	1
133	230 4800		SIDE PANEL (on left side of superstructure)	
			(Wide panel to right of doors)	1
134	230 4660		DOOR ASSEMBLY (on left side of superstructure)	
			(Right hinged, with no latch cutouts)	1
135	231 5810		DOOR ASSEMBLY (on left side of superstructure)	
			(Left hinged, with latch and control access cutouts)	1
136	10-004900		LATCH, FLUSH (Locking)	4
137	07-029365		SCREW, HEX WASHER HEAD	
			(#12-14 x 1", self drilling, with rubber seal)	49
138	07-044014		NUT, ACORN (1/4"-20, Low crown, stainless steel)	28
139	07-062014		WASHER, FLAT (1/4")	28
140	10-128102		WASHER (Brass, .391" dia.)	8
141	10-129100		WEATHERSTRIP (3/16" x 3/4" x 50 Ft)	A.R.
142	10-138500		BUMPER, RECESSED (Rubber, 1" dia. x 1/2" high)	8
143			SIDE PANEL (to left of doors, on right side of superstructure)	1
	230 4790		Wide panel (except Ford or Perkins engine) (shown)	
	230 4770		Narrow panel (with Ford or Perkins engine)	
144			SIDE PANEL (to right of doors, on right side of superstructure)	1
	230 4760		Narrow panel (except Ford or Perkins) (shown)	
	230 4800		Wide panel (with Ford or Perkins engine)	
145	230 4610		DOOR ASSEMBLY (on right side of superstructure)	
			(Right hinged, with latch cutouts)	1
146	230 4650		DOOR ASSEMBLY (on right side of superstructure)	
			(Left hinged, with no latch cutouts)	1

TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

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Art # B02.58003E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)

PART
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REV.

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30 DEC. 1996

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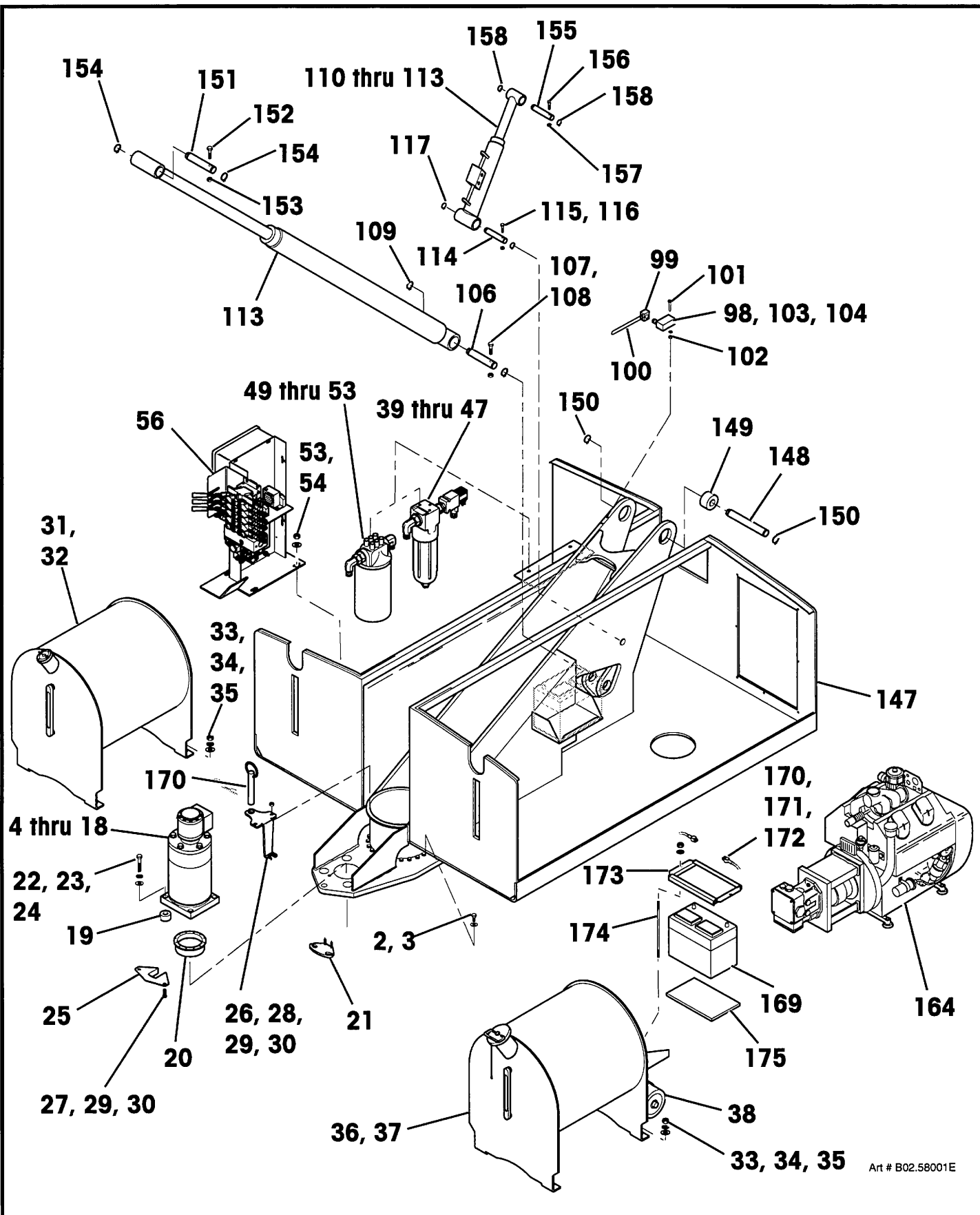
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
147			The following items are not part of the Superstructure Assembly: SUPERSTRUCTURE WELDMENT	
	232 0360		with Ford LSG 423 liquid cooled engine.	1
	call Simon		with engines other than Ford LSG 423.	1
148	219 4590		PIN, BOOM PIVOT (2.25" x 17.0") (replaces 206 9146)	1
149	08-013300		BUSHING, SELF ALIGNING (Boom pivot)	2
150	08-043200		RING, RETAINING (2-1/4")	2
151	219 4560		PIN, LIFT CYLINDER (1.75" x 10.44") (rod end, replaces 206 9155)	1
152	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
153	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
154	08-041000		RING, RETAINING (1-3/4")	2
155	206 8864		PIN, MASTER CYLINDER (1-1/4" x 6-1/8") (rod end)	1
156	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
157	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
158	08-040700		RING, RETAINING (1-1/4")	2
159	219 9940		BRACKET, PENDANT MOUNTING	1
160	07-044014		NUT, Acorn (1/4" - 20) (Bracket mounting)	4
161	07-062014		WASHER, FLAT (1/4") (Bracket mounting)	4
162	07-080004		PIN, HITCH (1-1/4" x 7") (includes hairpin clip)	1
163			CLIP, HAIRPIN	1
164	See plate . .	C04. - -	ENGINE ASSEMBLY	1
165	09-053100		CABLE, GASOLINE TO PROPANE SWITCHING (with dual fuel option)	1
166	10-061200		CLAMP, LOOP (3/4", for LP line)	3
167	07-062014		WASHER, FLAT (1/4")	3
168	07-050014		NUT, LOCK (1/4"-20)	3
169	03-010001		BATTERY (12 Volt DC, 95 Amp)	2
170	03-070100		CABLE, BATTERY [Black, 12" (30 cm) long]	1
	03-451800		CABLE, BATTERY [Black, 30" (.76 M) long]	1
171	03-451900		CABLE, BATTERY [Red, 86" (2.2 M) long]	1
172	03-487500		TERMINAL, BATTERY	1
173	03-064300		HOLD DOWN, BATTERY	2
174	07-090111		J-BOLT [10" (254 mm) long]	4
175	10-112900		PROTECTOR, BATTERY (Neoprene, 7" x 11" x 1/8")	2

TITLE **SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)**

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TITLE
SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)

PART
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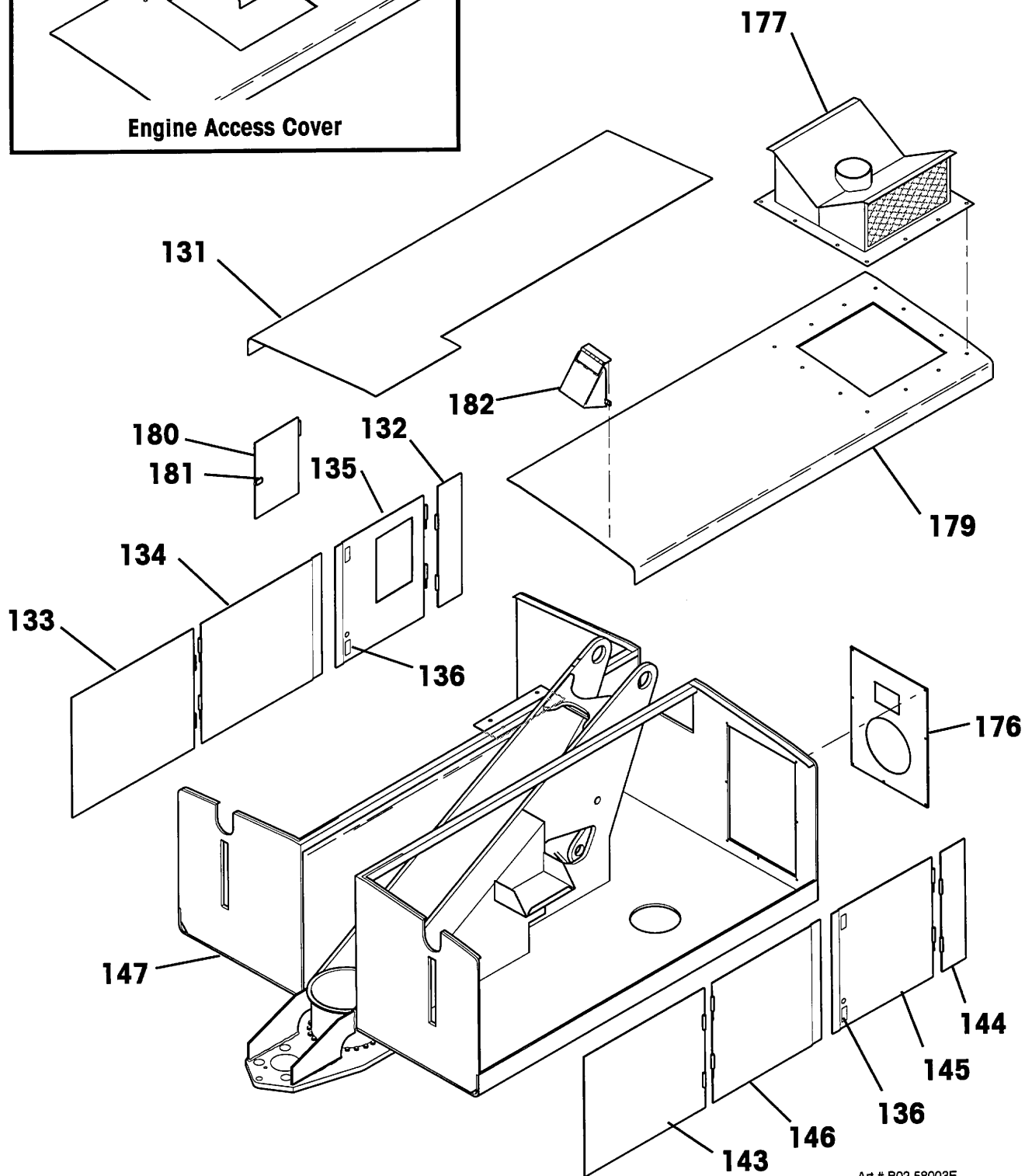
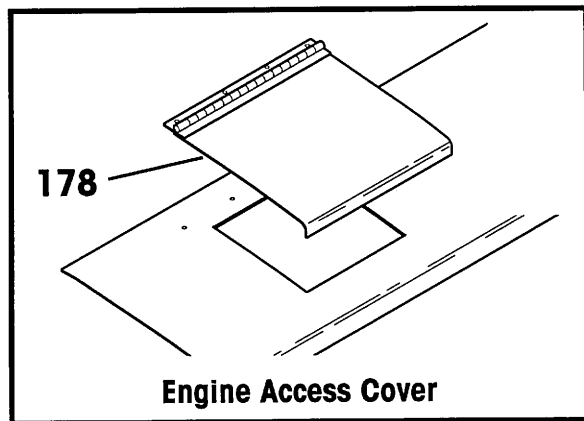
PARTS LIST

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TITLE SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)

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Art # B02.58003E

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TITLE SUPERSTRUCTURE ASSEMBLY, MP 60 (ELECTRO-PROPORTIONAL)

PART NO.

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			BOOM ASSEMBLY (Standard version platform mounts to boom under floor)	1
	352 4370		Full Hydraulic	
	353 7330		Electro-Proportional	
	354 9120		Simcon	
1			BOOM WELDMENT, BASE	1
	211 8110		Standard version (platform mounts to boom under floor)	
	218 4440		Special application when hose carrier is recessed 1" from boom end	
	219 9000		For use with optional end mount platform	
2	233 4790		Special end mount application, for S/N ACA 1146, 1147, 1148	
	219 4590		PIN, BOOM PIVOT (2.25" x 16.50") (replaces 206 9146)	1
3	07-004102		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)	1
4	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
5	08-050000		FITTING, GREASE (1/8", straight)	2
6	08-066300		CAP, GREASE FITTING (White plastic)	2
7	08-043200		RING, RETAINING (2.25")	2
8	205 4258		BRACKET, CHAIN AND WEAR PAD MOUNTING (base boom, rear)	1
9	205 1228		ANCHOR, CHAIN (adjustable)	2
10	07-040023		NUT, HEX (7/8"-14, Grade 5)	2
11	07-047123		NUT, HEX JAM (7/8"-14, Grade 5)	2
12	203 7684		PIN, LEAF CHAIN ANCHOR (2" long, for 5/8" pitch chain)	2
13	203 7624		PIN, LEAF CHAIN ANCHOR (4" long, for 5/8" pitch chain)	1
14	07-070305		PIN, COTTER (1/16" x 1")	6
15	07-003127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	4
16	07-065021		WASHER, HELICAL LOCK (5/8")	4
17	201 2791		PAD, WEAR (Base boom, rear, bottom)	2
18	208 6068		PAD, WEAR (Base boom, rear, top)	1
19	07-015125		CAP SCREW, FLAT HEAD (5/8"-11 x 1", Grade 5)	4
20	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	2
21	07-065021		WASHER, HELICAL LOCK (5/8")	2
22	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	6
23	207 0357		PAD, SIDE WEAR (4.5"x 2.5" [114 x 63.5 mm])	6
24			SHIM, SIDE WEAR PAD	A.R.
	204 7560		#10 gauge (.1345" [3.4 mm] thick)	
	204 7559		#16 gauge (.0598" [1.5 mm] thick)	
25	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	8
26	07-065018		WASHER, HELICAL LOCK (1/2")	8
27	07-047018		NUT, HEX JAM (1/2"-13, Grade 5)	8
28	See index	D19.- -	CYLINDER, TELESCOPE	1
29	01-003600		VALVE, HOLDING (Double, #6 SAE O-ring ports)	1
30	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X) (6MJ-6MB 90°)	2
31	07-003011		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	4
32	07-065014		WASHER, HELICAL LOCK (1/4")	4

TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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REV.

A

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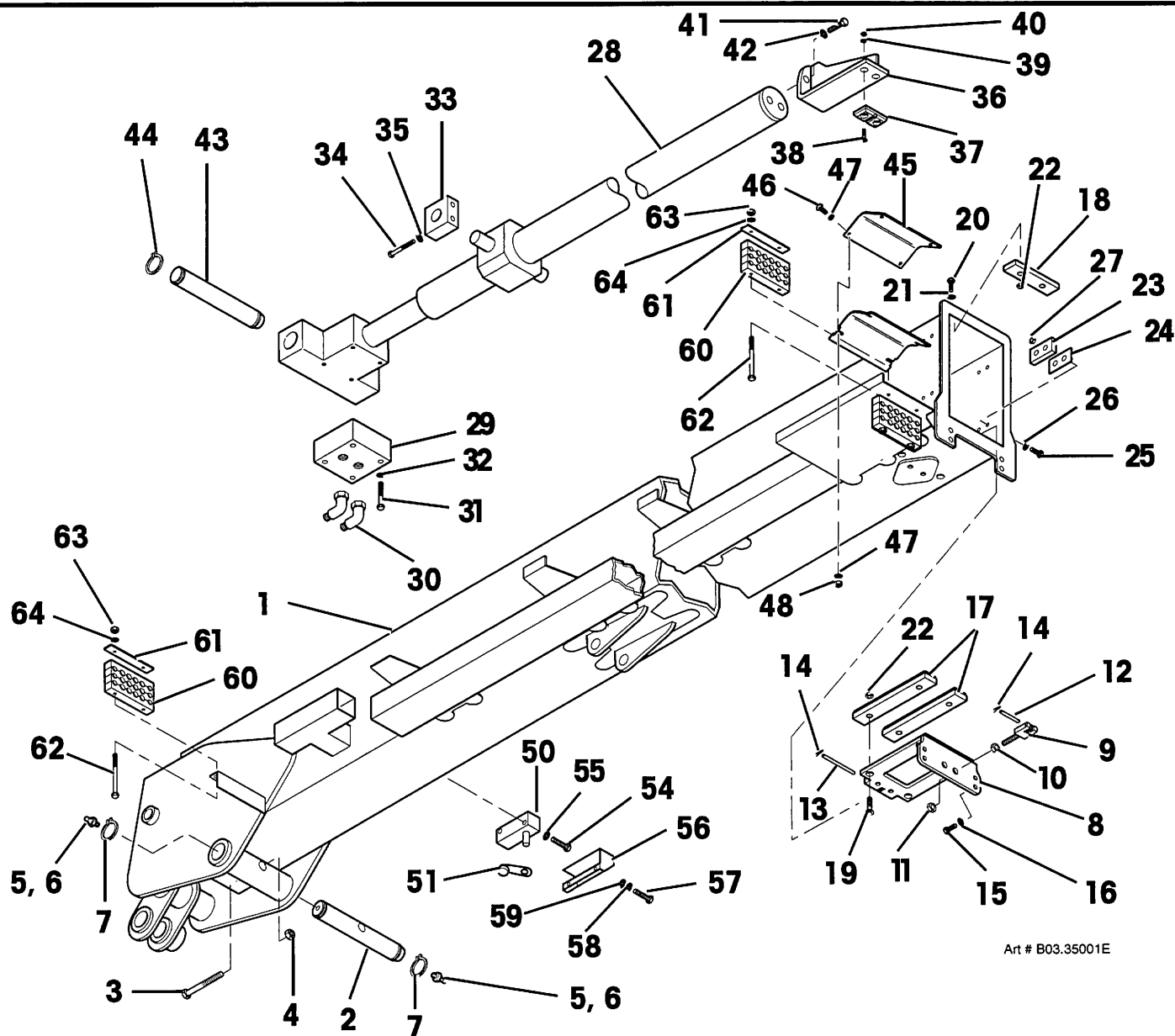
24 DEC., 1996

PART

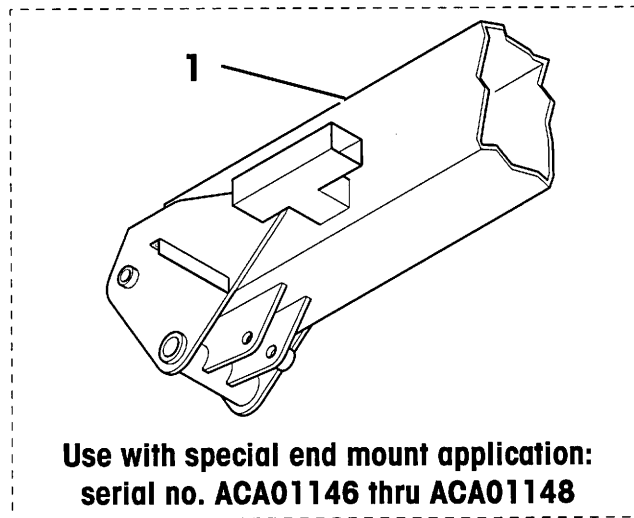
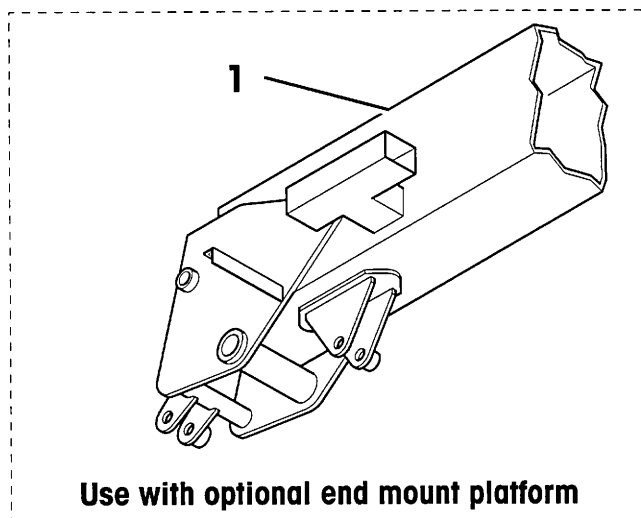
NO.

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Art # B03.35001E



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TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

PART NO.

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PARTS LIST

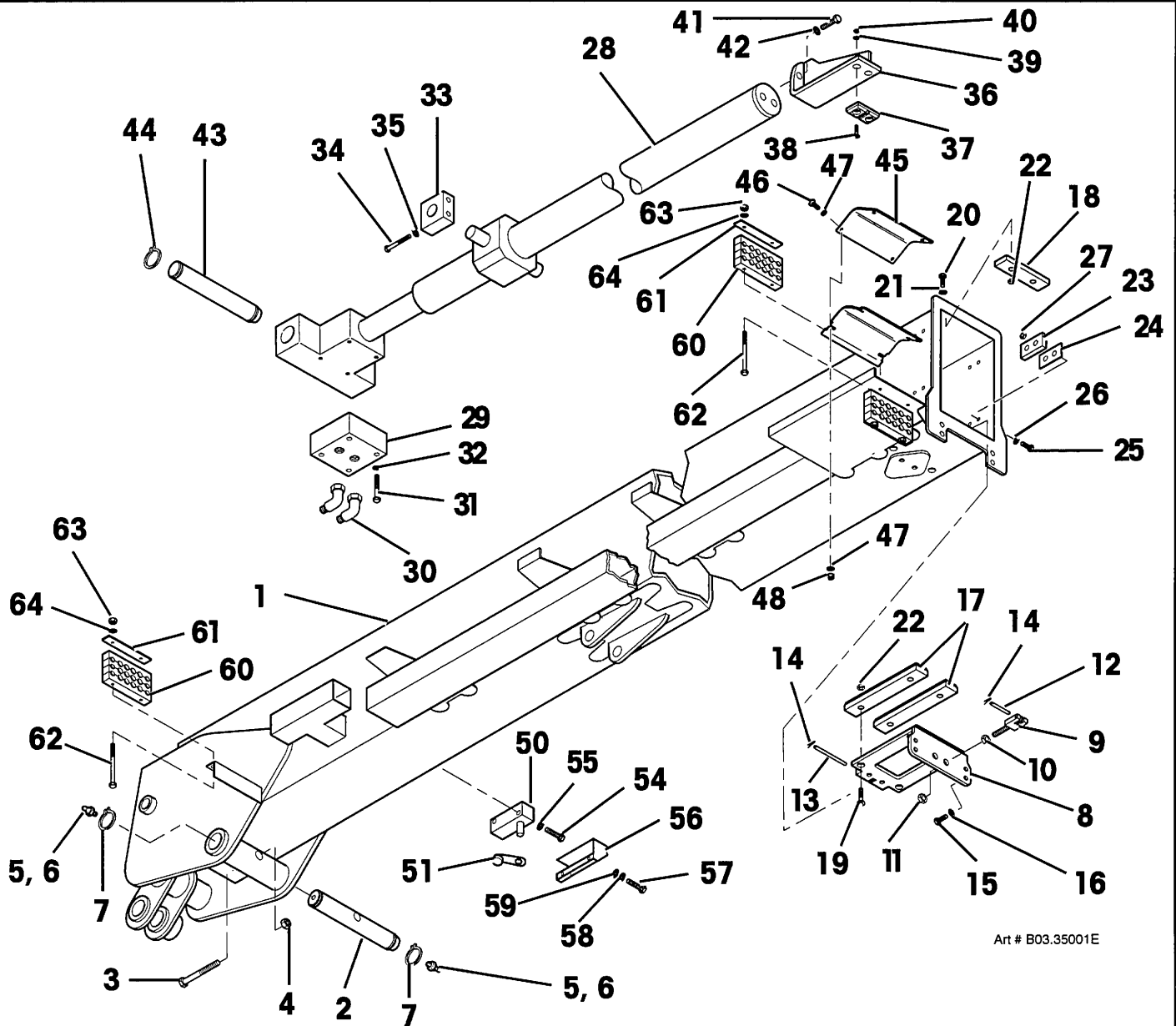
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
33	206 7726		BLOCK, TELESCOPE CYLINDER	2
34	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8)	4
35	07-065021		WASHER, HELICAL LOCK (5/8")	4
36	205 8713		BRACKET, TELESCOPE CYLINDER WEAR PAD	1
37	201 2933		PAD, TELESCOPE CYLINDER WEAR (5-1/4" x 3" [133 x 76 mm])	1
38	07-003086		CAP SCREW, FLAT HEAD (1/2"-13 x 1-1/4", Grade 5)	2
39	07-065018		WASHER, HELICAL LOCK (1/2")	2
40	07-040018		NUT, HEX (1/2"-13, Grade 5)	2
41	07-008084		CAP SCREW, SOCKET HEAD (1/2"-13 x 7/8", Grade 8)	2
42	07-065018		WASHER, HELICAL LOCK (1/2")	2
43	219 4520		PIN, TELESCOPE CYLINDER (1.5" x 12.94") (replaces 206 7744)	1
44	08-040900		RING, RETAINING (1.5")	2
45	230 1010		PAD, WEAR (Moving anchor)	1
46	07-017046		CAP SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5)	4
47	07-062016		WASHER, FLAT (3/8")	8
48	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
49	351 8520		SWITCH ASSEMBLY, LIMIT (double pole)	1
50	03-493800		SWITCH, LIMIT (2 normally open, 2 normally closed contacts)	1
51	03-494000		ARM, LIMIT SWITCH	1
52	03-041000		GRIP, CORD (1/2")	1
53	03-085700		CABLE, ELECTRICAL (4 conductor, 16 AWG)	
			(Bulk item, order as needed, 15 feet {4.6 M} required)	A.R.
54	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
55	07-065011		WASHER, HELICAL LOCK (#10)	2
56	200 9322		COVER, LIMIT SWITCH	1
57	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8")	2
58	07-065015		WASHER, HELICAL LOCK (5/16")	2
59	07-062014		WASHER, FLAT (1/4")	2
60			CLAMP, HOSE	5
	213 0670		17 holes (for machines with "Full Hydraulic" control system)	
	218 5280		11 holes (with "Electro-Proportional" or "Simcon" control system)	
	204 3199		6 holes (for machines with "Hydraport" control system)	
61	218 1180		BAR, HOSE CLAMP COMPRESSION (without countersink) (optional)	1
	218 1190		BAR, HOSE CLAMP COMPRESSION (with countersink) (optional)	1
62	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	6
	07-090800		CAP SCREW, FLAT HEAD (3/8"-16 x 4-3/4", Grade 5)	2
63	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
64	07-062016		WASHER, FLAT (3/8")	8

TITLE

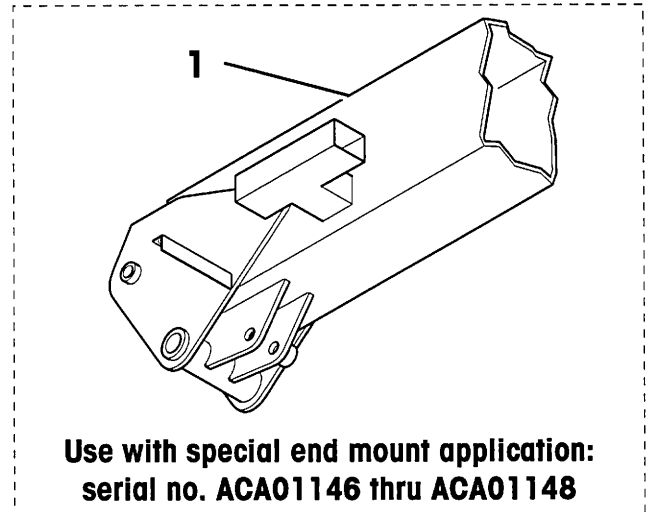
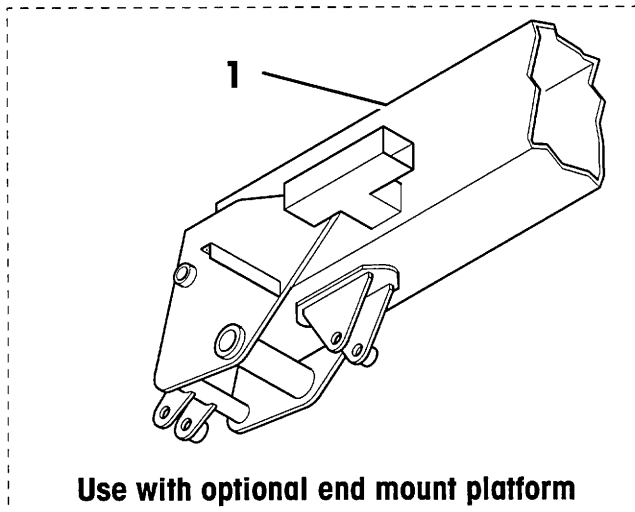
BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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Art # B03.35001E



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TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

PART
NO.

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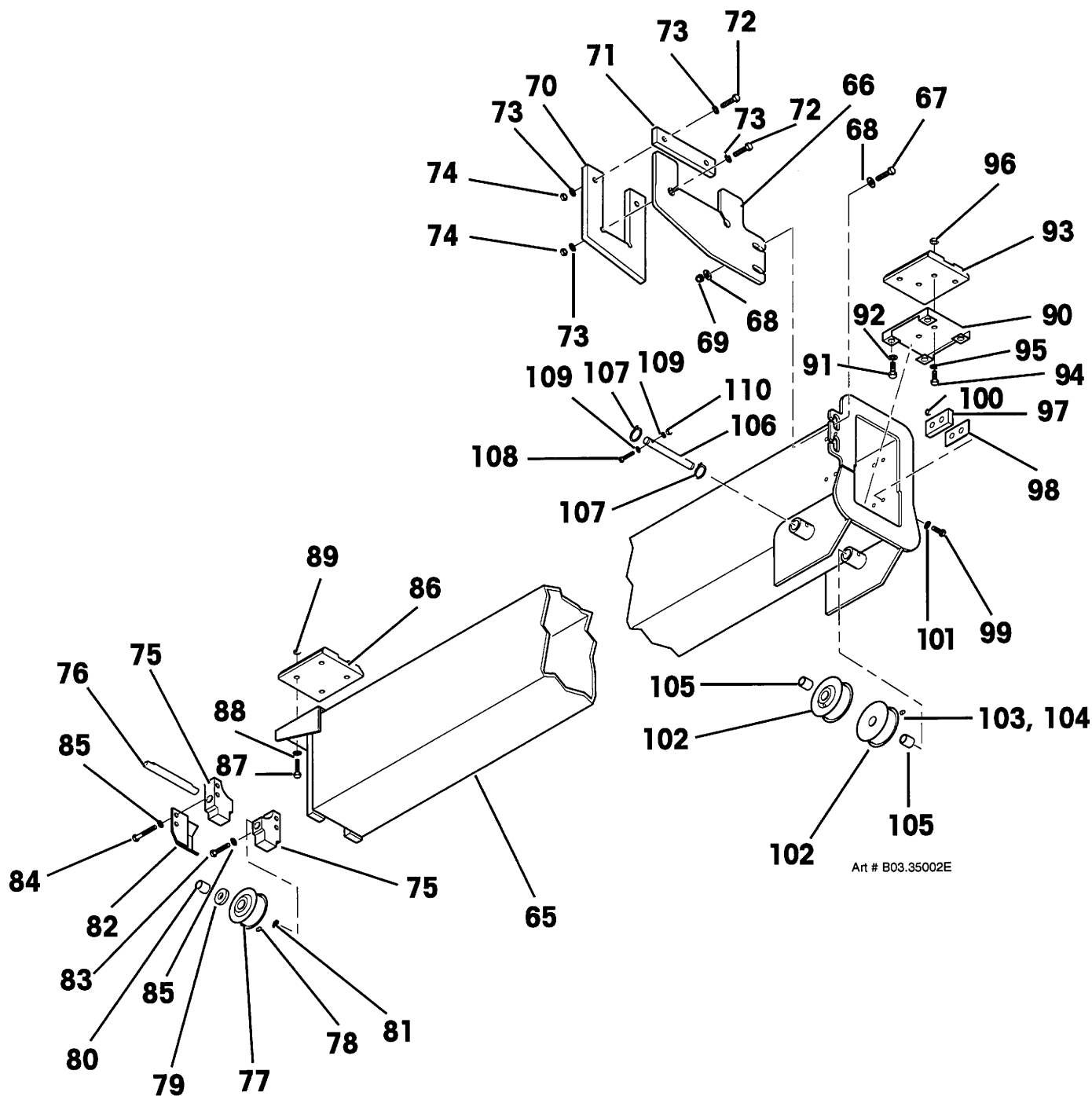
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PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
65	211 8250 219 8900		BOOM WELDMENT, MID Standard version (platform mounts to boom under floor) For use with optional end mount platform	1	
66	234 4750		BRACKET, MOVING ANCHOR GUIDE Current versions (bracket is bolted to mid boom) for all except "Hydraport" control system (slot for moving anchor is 4.5" [114 mm] wide) for "Hydraport" control system (slot is 3.5" [89 mm] wide) Earlier versions (bracket is welded to mid boom)	1	
67	07-003046		CAP SCREW, HEX HEAD (3/8"-16, Grade 5)	2	
68	07-062016		WASHER, FLAT (3/8")	4	
69	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2	
70	201 1712		GUIDE, MOVING ANCHOR (bottom/ side) Current versions (bracket is bolted to mid boom) for "Electro-Proportional" or "Simcon" control system for "Hydraport" control system for "Full Hydraulic" control system	1	
71	211 7460 210 2190		GUIDE, MOVING ANCHOR (top) Current versions (bracket is bolted to mid boom) for "Electro-Proportional" or "Simcon" control system for later "Full Hydraulic" control system (guide measures 2.0" [52 mm] high) for earlier "Full Hydraulic" control system (guide measures 3.8" [95 mm] high)	1	
	234 1100 234 1100		for "Hydraport" control system Earlier versions (bracket is welded to mid boom) CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5)	4	
	207 0993		WASHER, FLAT (1/2") NUT, HEX (1/2"-13, Grade 5) BLOCK, CHAIN SHEAVE MOUNTING (replaces 203 7729)	8 4 2	
	207 0993 213 6280 07-003090		PIN, CHAIN SHEAVE (1" x 9") (replaces 203 7639) SHEAVE (3-1/4" O.D., for 5/8 pitch leaf chain) FITTING, GREASE (1/4"-28, straight)	1 1 1	
	203 7868		SPACER, CHAIN SHEAVE	1	
	08-009000		BEARING	1	
	07-060024		WASHER, FLAT (1-1/16")	1	
	211 9510		RETAINER WELDMENT, CHAIN	1	
	07-004133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)	2	
	07-004134		CAP SCREW, HEX HEAD (5/8"-11 x 3-1/4", Grade 8)	2	
	07-065021		WASHER, HELICAL LOCK (5/8")	4	
TITLE				BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)	
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DATED 24 DEC., 1996				PART NO.	
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BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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PARTS LIST

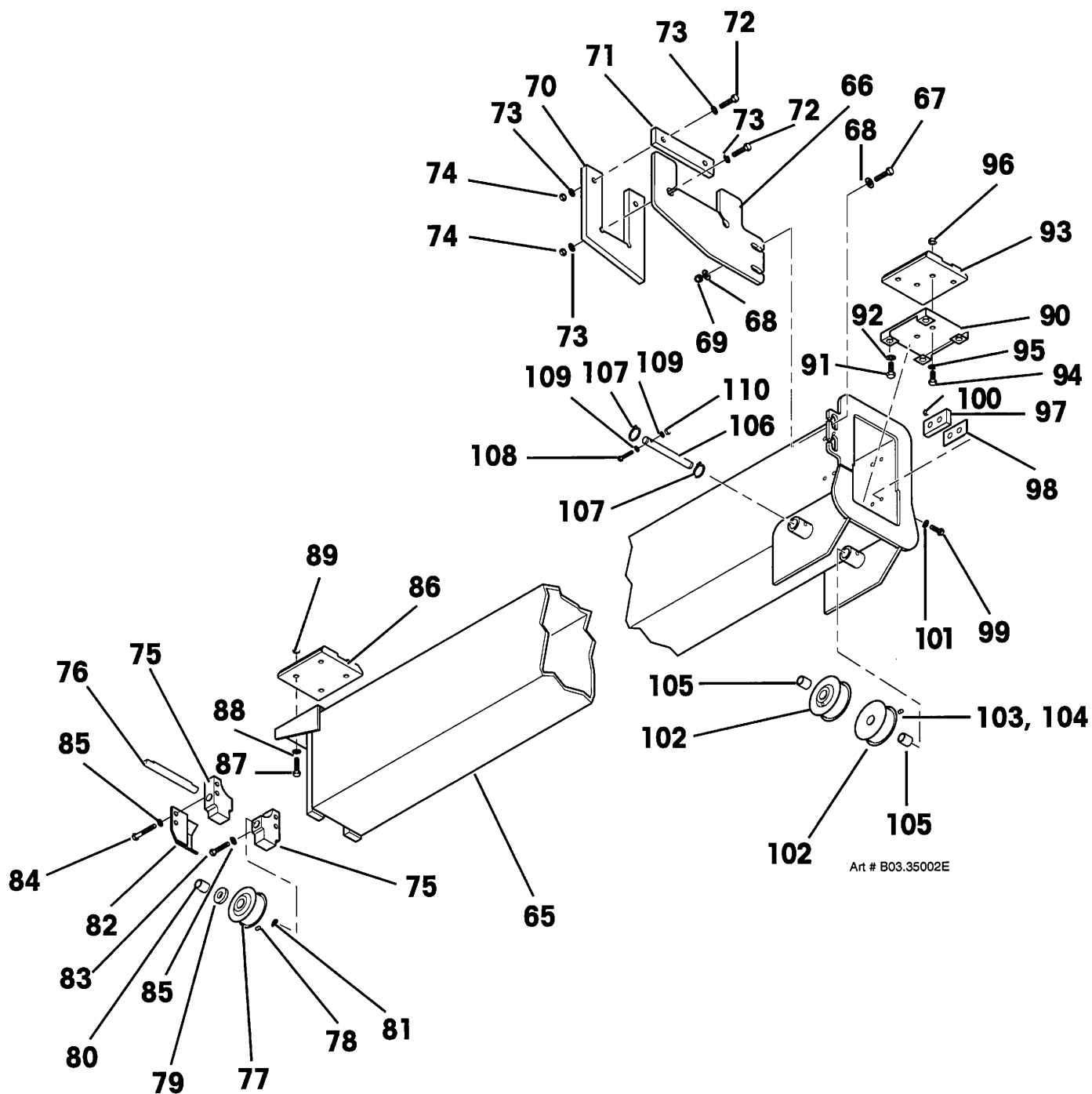
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
86	204 3296		PAD, WEAR (Mid boom, top, front) (7" x 9-1/4")	1
87	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	2
88	07-065021		WASHER, HELICAL LOCK (5/8")	2
89	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	2
90	206 9771		BRACKET, WEAR PAD	1
91	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4")	4
92	07-065018		WASHER, HELICAL LOCK (1/2")	4
93	211 8320		PAD, WEAR (Mid boom, bottom, rear) (8" x 6-1/4")	1
	207 2999		PAD, WEAR (Mid boom, bottom, rear) (7" x 9-1/4")	1
94	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	2
95	07-065021		WASHER, HELICAL LOCK (5/8")	2
96	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	2
97	207 0357		PAD, SIDE WEAR (4.5"x 2.5" [114 x 63.5 mm])	4
98			SHIM, SIDE WEAR PAD	A.R.
	204 7560		#10 gauge (.1345" [3.4 mm] thick)	
	204 7559		#16 gauge (.0598" [1.5 mm] thick)	
99	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	8
100	07-047018		NUT, HEX JAM (1/2"-13, Grade 5)	8
101	07-065018		WASHER, HELICAL LOCK (1/2")	8
102	203 8030		SHEAVE (4" O.D., for 5/8 pitch leaf chain)	2
103	08-053100		FITTING, GREASE (1/4"-28. straight)	2
104	08-066300		CAP, GREASE FITTING (White plastic)	2
105	08-009000		BEARING	2
106	205 5758		PIN, CHAIN SHEAVE (1" x 11-13/16")	1
	206 9803		PIN, CHAIN SHEAVE (1" x 12-3/16")	1
107	08-040600		RING, RETAINING (1")	2
108	07-003051		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2", Grade 5)	1
109	07-060016		WASHER, FLAT (3/8" SAE)	2
110	07-050016		NUT, LOCK (3/8"-16, Grade 5)	1

TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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PARTS LIST

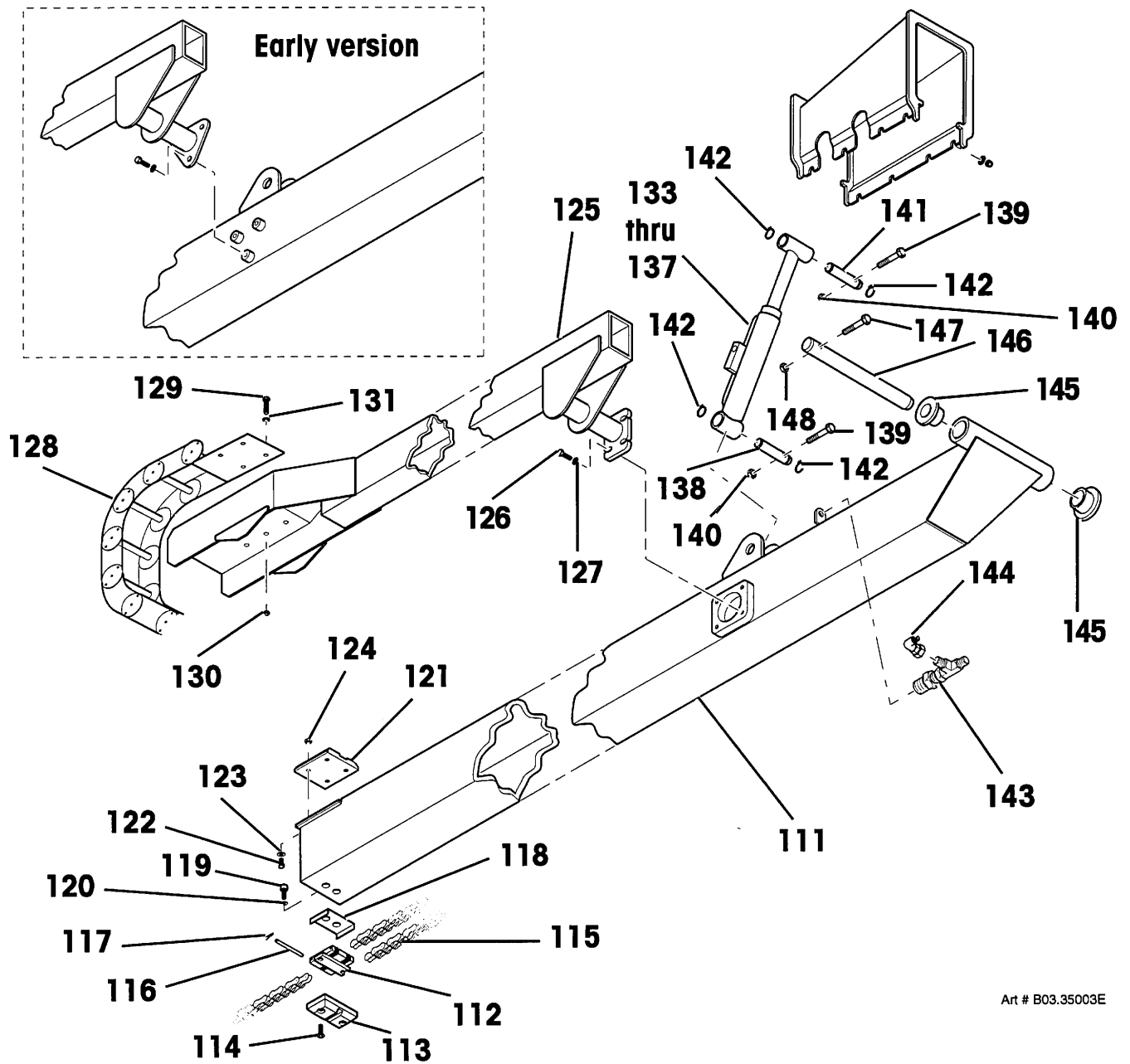
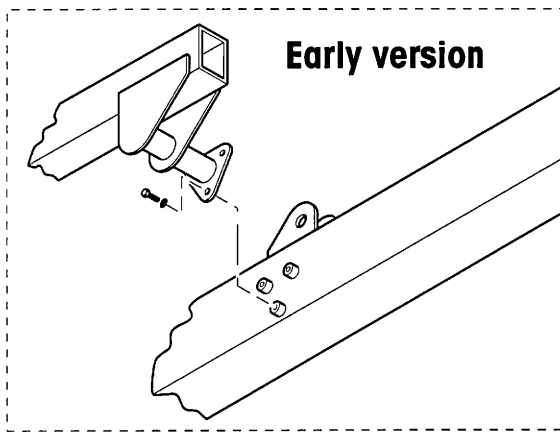
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
111	211 8280 217 9120		BOOM WELDMENT, TIP Standard version (platform mounts to boom under floor) For use with optional end mount platform	1
112	233 4480 205 4773		Special end mount application, for S/N ACA 1146, 1147, 1148 ANCHOR, CHAIN	1
113	201 2933		PAD, WEAR (Chain anchor) (5.25" x 3.0")	1
114	07-015125		CAP SCREW, FLAT HEAD (5/8"-11 x 1", Grade 5)	2
115	08-014300		CHAIN, LEAF (5/8" pitch, 379 segments)	3
116	203 7624		PIN, LEAF CHAIN ANCHOR (4" long, for 5/8" pitch chain)	2
117	07-070305		PIN, COTTER (1/16" x 1")	4
118	205 9031		PLATE, ANCHOR CHAIN BLOCK LOCKING	1
119	204 1317		SCREW (modified socket head 3/4"-10 x 1-1/2", grade 8)	2
120	07-065022		WASHER, HELICAL LOCK (3/4")	2
121	204 3289		PAD, WEAR (Tip boom top front) (7.0" x 7.4")	1
122	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	2
123	07-065021		WASHER, HELICAL LOCK (5/8")	2
124	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	2
125			ANCHOR WELDMENT, MOVING	1
	236 2570 210 0410		for machines with "Electro-Proportional" and "Hydraport" control system (supersedes 214 7900 for "Hydraport" control system) for machines with "Full Hydraulic" control system	
126	07-004086		(supersedes 211 8430) CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 8)	3
127	07-065018		WASHER, HELICAL LOCK (1/2")	3
128	08-081600	F03. - -	CARRIER, HOSE (Hose track)	1
129	07-017046		CAP SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5)	8
130	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
131	07-062016		WASHER, FLAT (3/8")	8
132			CYLINDER ASSEMBLY, SLAVE LEVEL	1
133	See plate . .	D20. - -	CYLINDER, SLAVE LEVEL	1
134	06-039500 06-044400		ADAPTER, "O"-RING TO 37° (4-6 F50X) (4MJ-6MB) . . . or . . . 90° ELBOW, "O"-RING TO 37° (4-6 C50X) (4MB-6MB 90°)	2 2
135	08-051300		FITTING, GREASE (1/8", 90°)	1
136	08-050500		FITTING, GREASE (1/8", 45°)	1
137	08-066300		CAP, GREASE FITTING (White plastic)	2
138	219 4490		PIN, SLAVE CYLINDER (1.25" x 4.88") (base end)	
139	07-003052		(replaces 206 8884) CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	1 2
140	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
141	219 4500		PIN, SLAVE CYLINDER (1.25" x 7.38") (rod end)	
142	08-040700		(replaces 206 8879) RING, RETAINING (1.25")	1 4

TITLE

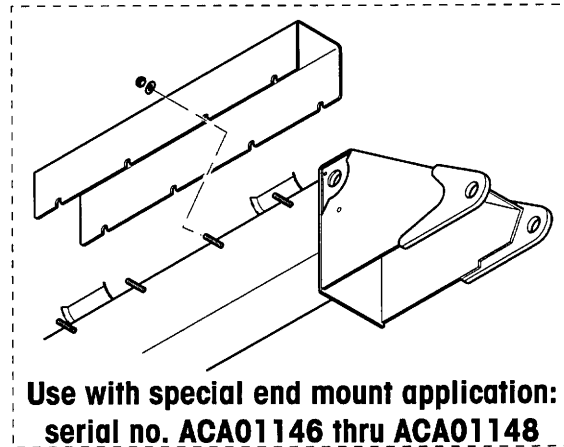
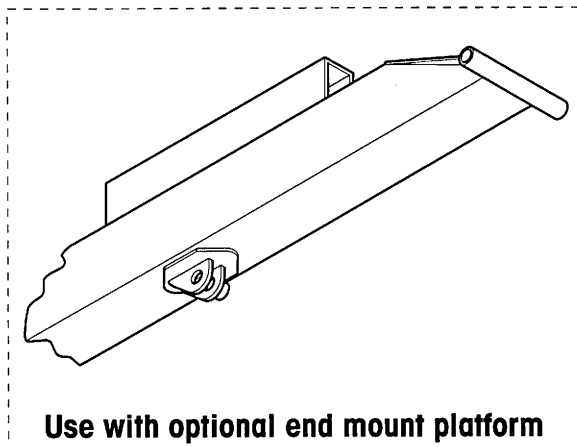
BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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Art # B03.35003E



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TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
143	06-036300		RUN TEE, BULKHEAD (4 WJJTX-WLN)	2
144	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	1
145	08-002200		BEARING, FLANGED (1.25" I.D., 1.50" O.D., 2.0" flange)	2
146	219 4480		PIN, PLATFORM PIVOT (1-1/4" x 20")	1
147	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	1
148	07-050016		NUT, LOCK (3/8"-16, Grade 5)	1
149			HOSE, BOOM (Note: Part number shown is for hose only, pre-cut to specific length shown. Must be trimmed to proper length after routing through boom hose track and carrier tubes, and prior to installation of correct end fittings as indicated on charts on opposite page): for "Electro-Proportional" or "Simcon" units, (pre-cut to 84 ft [25.6 m]):	
	05-083400		#4 hose (see chart on opposite page for correct fittings)	4
	350 7995		16 inches (0.406 m) long, with (2) 4-4 FJX fittings	2
	351 4310		106 inches (2.692 m) long, with (2) 4-4 FJX fittings	1
	351 4320		111 inches (2.819 m) long, with (2) 4-4 FJX fittings	1
	351 4330		131 inches (3.327 m) long, with (2) 6-6 FJX fittings	2
			for "Hydraport" units, (pre-cut to 84 ft [25.6 m]):	
	05-083400		#4 hose (see chart on opposite page for correct fittings)	2
	05-083500		#6 hose (see chart on opposite page for correct fittings)	2
			for "Full Hydraulic" units, (pre-cut to 84 ft [25.6 m]):	
	05-083400		#4 hose (see chart on opposite page for correct fittings)	5
	05-083500		#6 hose (see chart on opposite page for correct fittings)	4
	05-083600		#8 hose (see chart on opposite page for correct fittings)	2
	352 4550		8.5 ft (2.591 m) long, with (2) 4-4 FJX fittings	1
	352 4560		8.9 ft (2.713 m) long, with (2) 4-4 FJX fittings	1
150	10-113000		PROTECTOR, HOSE (rubber, 8" x 12" x 1/8")	3
151	03-085900		CABLE, ELECTRICAL (3 conductor, 12 AWG) (Bulk item, order as needed)	A.R.
152	03-085700		CABLE, ELECTRICAL (4 conductor, 16 AWG) (Bulk item, order as needed)	A.R.
153	03-488900		CABLE, ELECTRICAL (24 conductor, 16 AWG) (Bulk item, order as needed)	A.R.
154	03-066400		TIE, CABLE (20" [508 mm] long) for Full Hydraulic	8
	03-064700		TIE, CABLE (14.5 [368 mm] long) for Electro-Proportional	24
155	10-060600		CLAMP, LOOP (G6, 3/8")	2

TITLE

BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

SECTION **B03.** | PLATE NO. **35** | PAGE **06** | REV. **A** | DATED 24 DEC., 1996 | PART NO.

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149 HOSE, BOOM, for "Electro-Proportional" or "Simcon" units:

05-083400 #4 hose, pre-cut to 84 ft [25.6 m] length (4)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
B and C	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144300 (4-4 FJX-S)
P and R	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144500 (4-6 FJX-S)

HOSE, BOOM, for "Hydraport" units:

05-083400 #4 hose, pre-cut to 84 ft [25.6 m] length (2)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
B and C	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144300 (4-4 FJX-S)

05-083500 #6 hose, pre-cut to 84 ft [25.6 m] length (2)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
A and D	06-213200 (6PC1F-M2-S)	06-144900 (6-6 FJX-S)	06-144900 (6-6 FJX-S)

HOSE, BOOM, for "Full Hydraulic" units:

05-083400 #4 hose, pre-cut to 84 ft [25.6 m] length (5)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
B and C	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144300 (4-4 FJX-S)
7, 8, & 10	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144500 (4-6 FJX-S)

05-083500 #6 hose, pre-cut to 84 ft [25.6 m] length (4)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
D, E, R and 9	06-213200 (6PC1F-M2-S)	06-144900 (6-6 FJX-S)	06-144900 (6-6 FJX-S)

05-083600 #8 hose, pre-cut to 84 ft [25.6 m] length (2)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
P and R2	06-213300 (8M3 KPC-S)	06-145500 (8-8 FJX-S)	06-145500 (8-8 FJX-S)

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BOOM ASSEMBLY, MP 60 (STRAIGHT TIP)

PART NO.

REV.

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DATED

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PARTS LIST

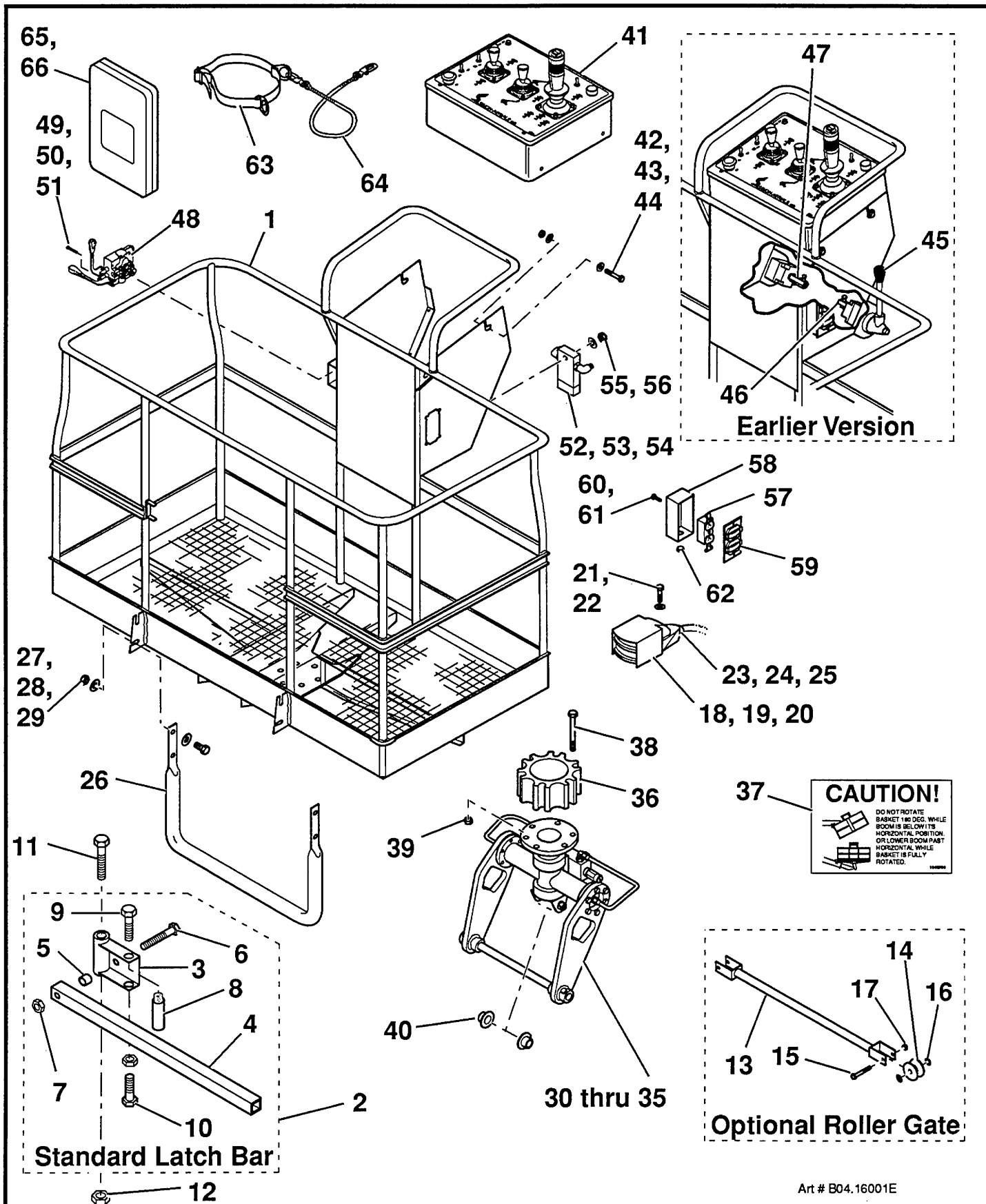
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For "Type 2" Electro-Proportional controls (with 3 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MP Series (36" x 96" [.91 M x 2.44 M]) (Optional) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard) Later style, with Platform Rotate and Level valves both <u>in box on outside of left side of console:</u> 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)

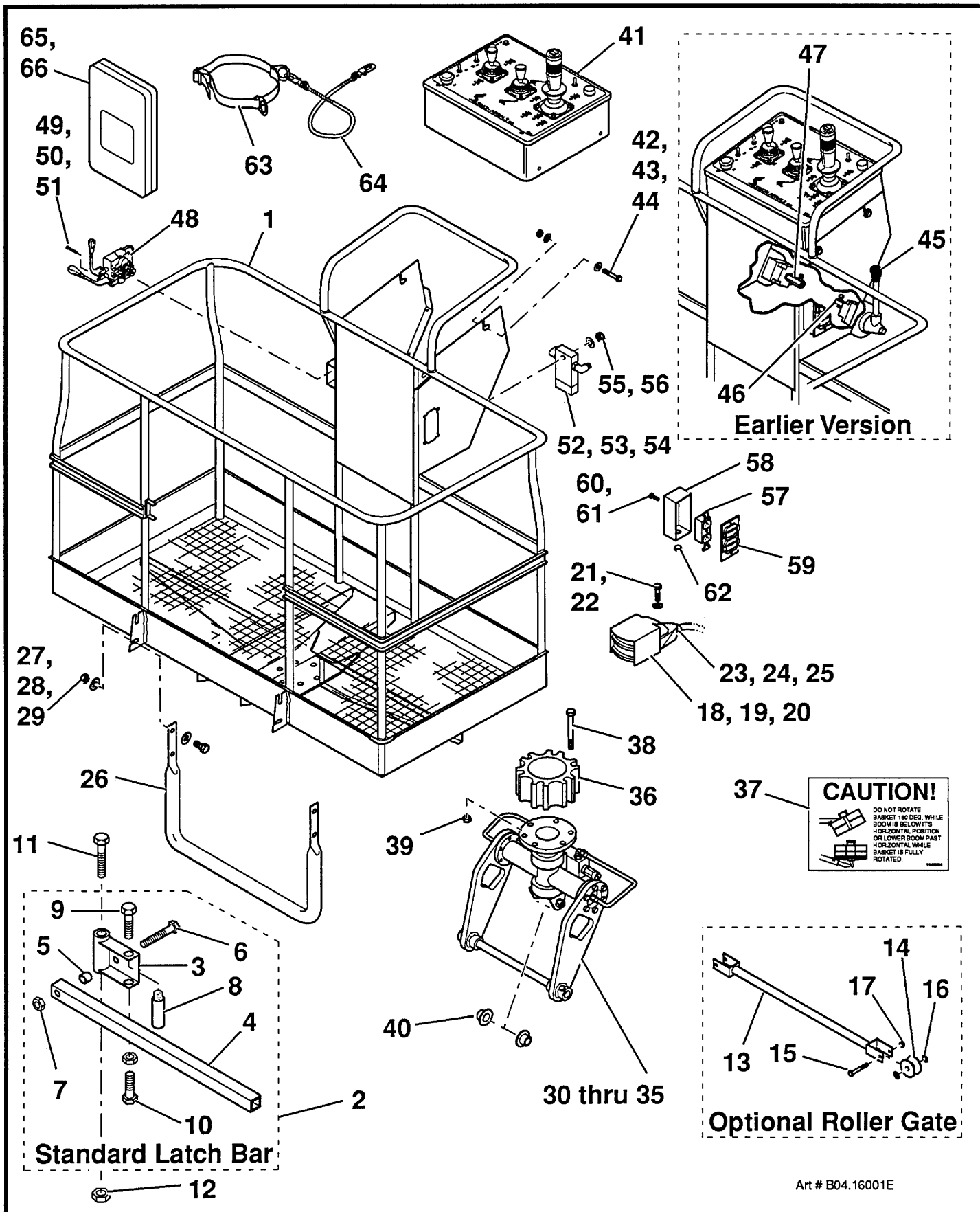
PLATE NO.

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

Art # B04.16001E

PARTS LIST

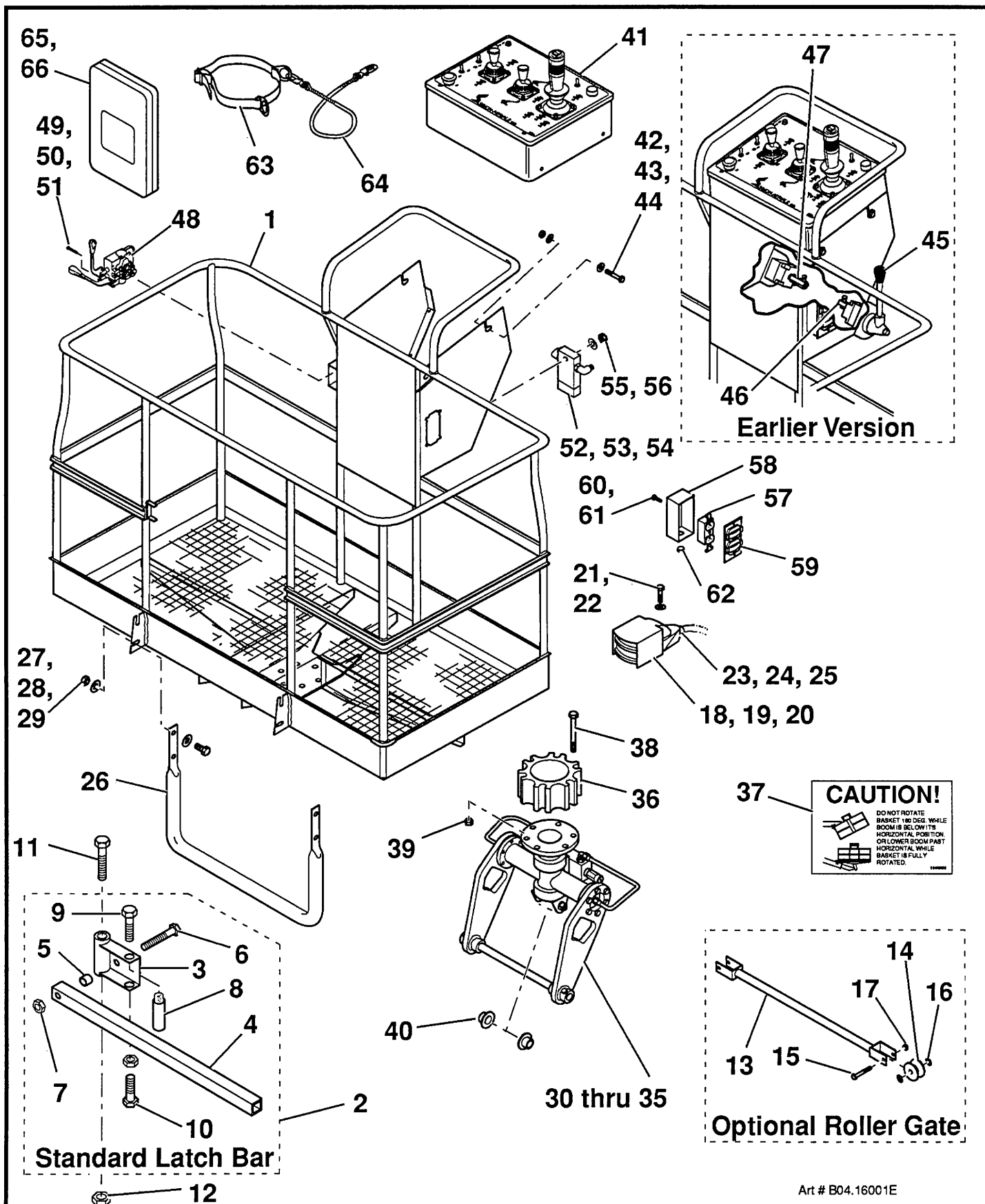
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
48	See Index .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
49	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
50	07-060014		WASHER, FLAT (1/4", SAE)	2
51	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
52	01-001900		VALVE, CHECK (Pilot operated)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

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

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

NEW 01 DEC., 1994

PART NO.



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

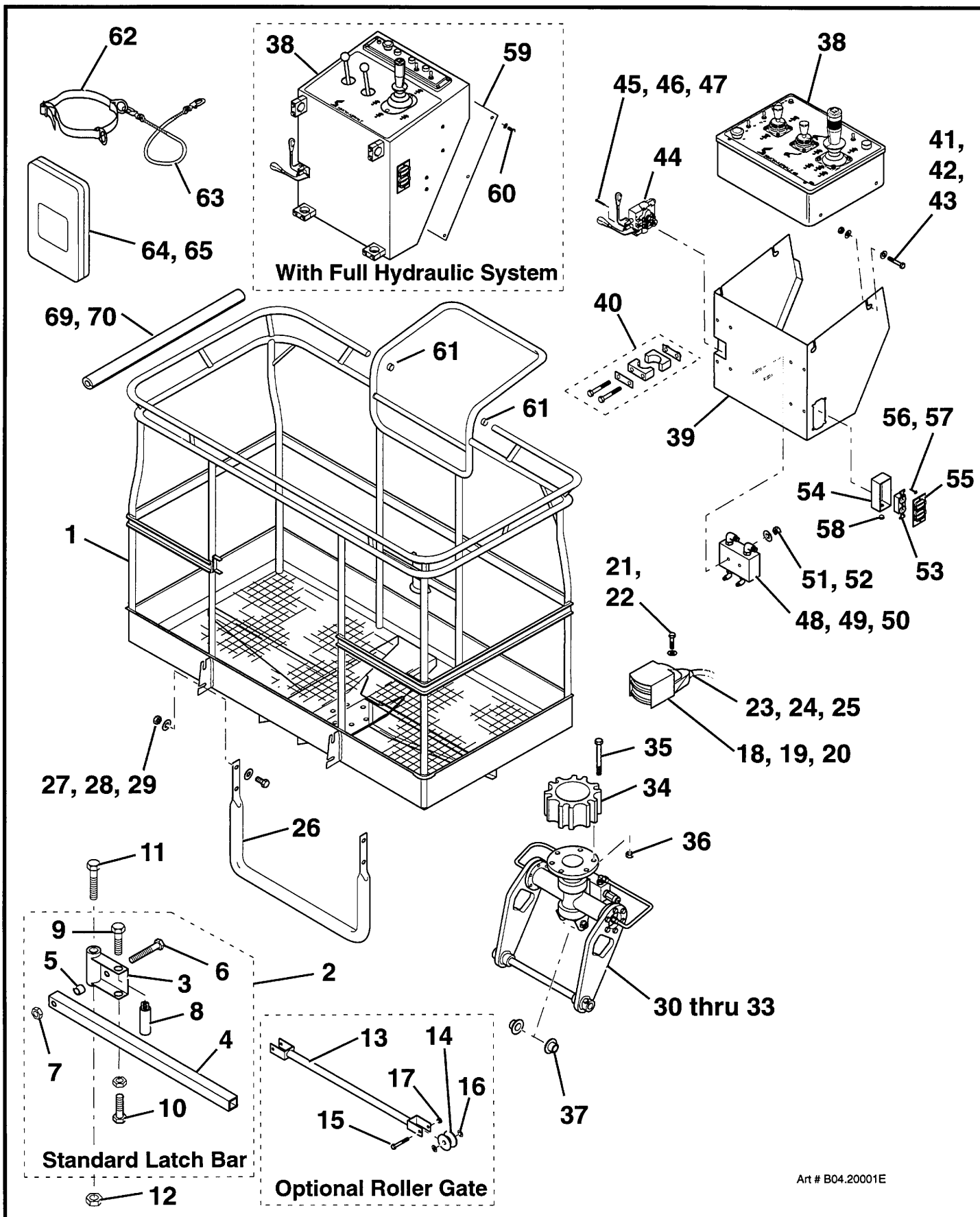
SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.16

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



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

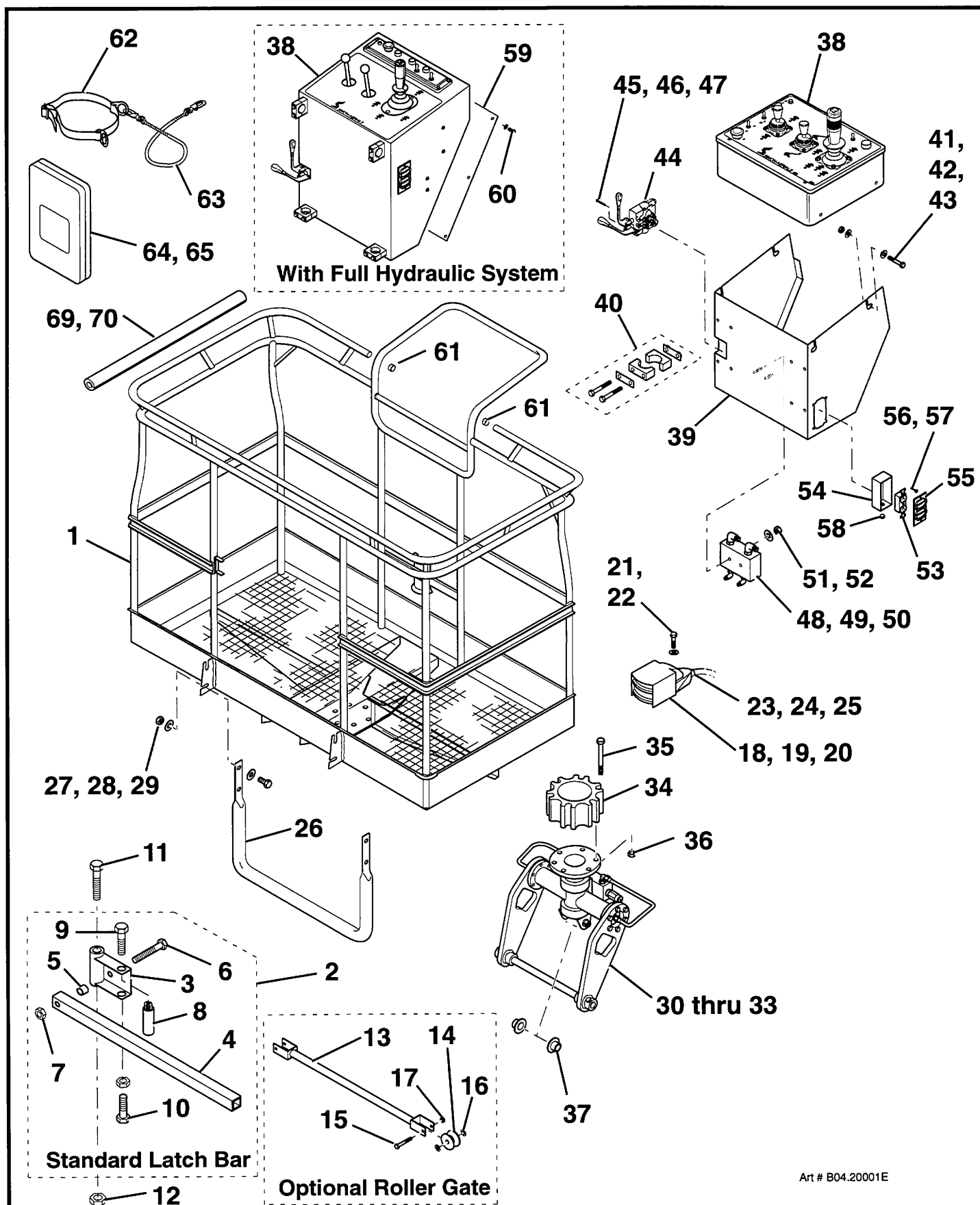
SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. B04.20

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	02-010600	D24.06	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
31			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
32			PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (Rod end)	
	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 (required for 96" platform)	1
	233 5380		for Model MP 40 (4" [102 mm] thick)	
	233 5510		except Model MP40 (6" [152 mm] thick)	
35			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	
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 With Full Hydraulic control (Part of Console Assembly)	1
	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.		PART NO.
		REV. 28 FEB., 1995		



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

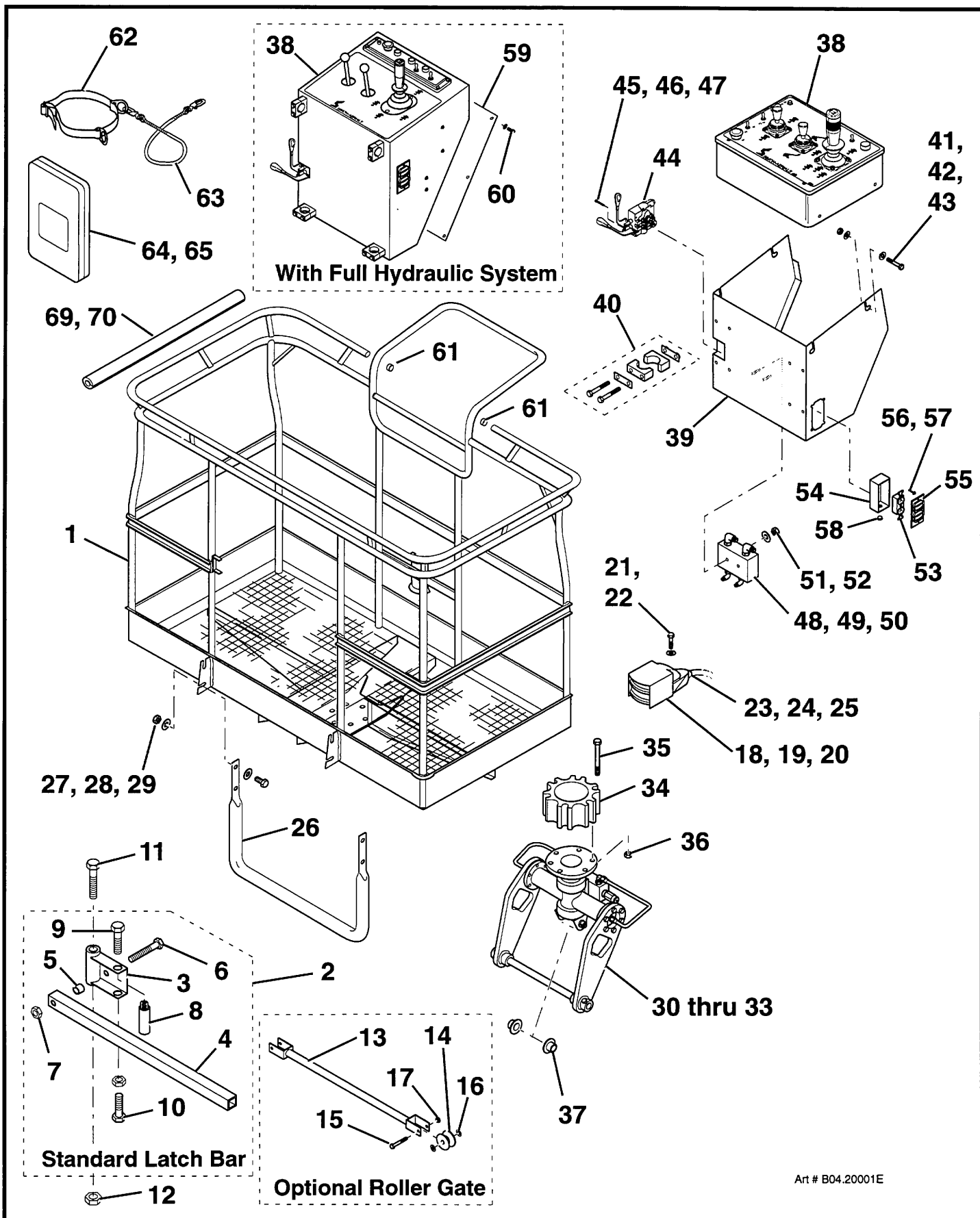
SIMON AERIALS INC.

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

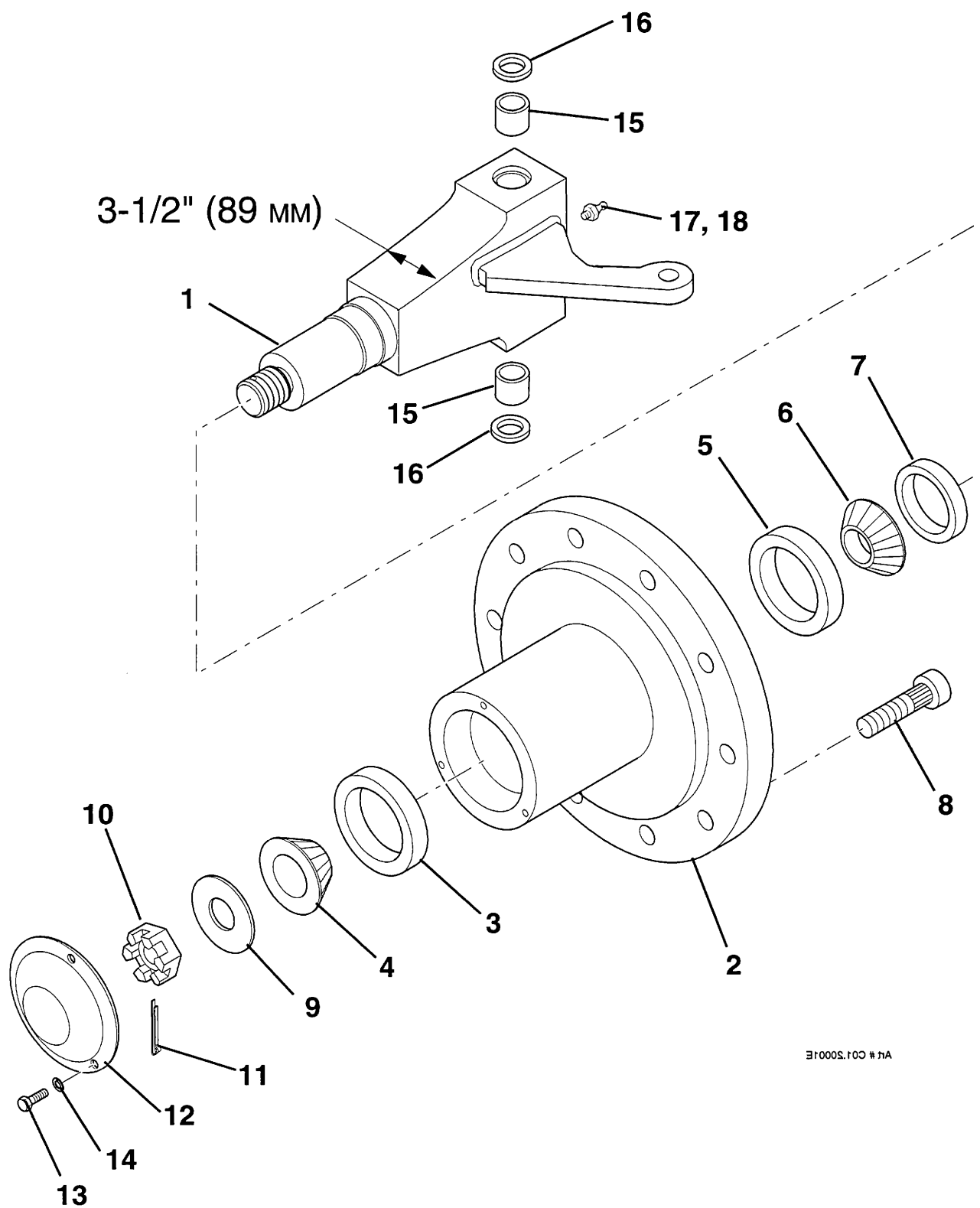
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	350 2495 Call Simon		SPINDLE ASSEMBLY (Right) Standard type, with no seals at spindle pin Optional type, with seals at spindle pin	1
			To identify these spindles: The distance from the spindle pin centerline to the end of the threads is 12.5" (31.8 cm). The width of the spindle weldment (see illustration) is 3-1/2" (89 mm). The inner and outer bearings are the same diameter.	
1	207 0702 Call Simon		SPINDLE (Right) Standard type (no counterbore for seals at spindle pin) Optional type (with counterbore for seals at spindle pin)	1
2	202 2585		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (Outer) (4.437" [113 mm] O.D.)	1
4	08-003500		CONE AND ROLLER, BEARING (Outer) (2.750" [70 mm] I.D.)	1
5	08-003400		CUP, BEARING (Inner) (4.437" [113 mm] O.D.)	1
6	08-003500		CONE AND ROLLER, BEARING (Inner) (2.750" [70 mm] I.D.)	1
7	01-030700		SEAL, SHAFT OIL (3.25" [83 mm] I.D., 4.5" [114 mm] O.D.)	1
8	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
9	07-062027		WASHER, FLAT (1-3/4")	1
10	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
11	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
12	202 1131		PLATE, SPINDLE END COVER	1
13	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	3
14	07-065014		WASHER, HELICAL LOCK (1/4")	3
15	08-014000		BEARING, SLEEVE (1-1/2" [38 mm] I.D., 1-3/4" [44.5 mm] O.D., 1-1/2" [38 mm] long)	2
16	10-164100		SEAL, SPINDLE PIN OIL (With option. Fits counterbored spindle, see Item 1) (1-1/2" [38 mm] I.D., 2" [51 mm] O.D.)	2
17	08-051300		FITTING, GREASE (1/8", 90°)	1
18	08-066300		CAP, GREASE FITTING (White plastic)	1

TITLE SPINDLE ASSEMBLY, RIGHT HAND

PLATE NO. C01.14 **SIMON AERIALS INC.**

REV. 01 SEP., 1995

PART NO.



Art # C01.S001E

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

SIMON AERIALS INC.

REV. 01 SEP., 1995

PART
NO.

PLATE
NO. C01.14

PARTS LIST

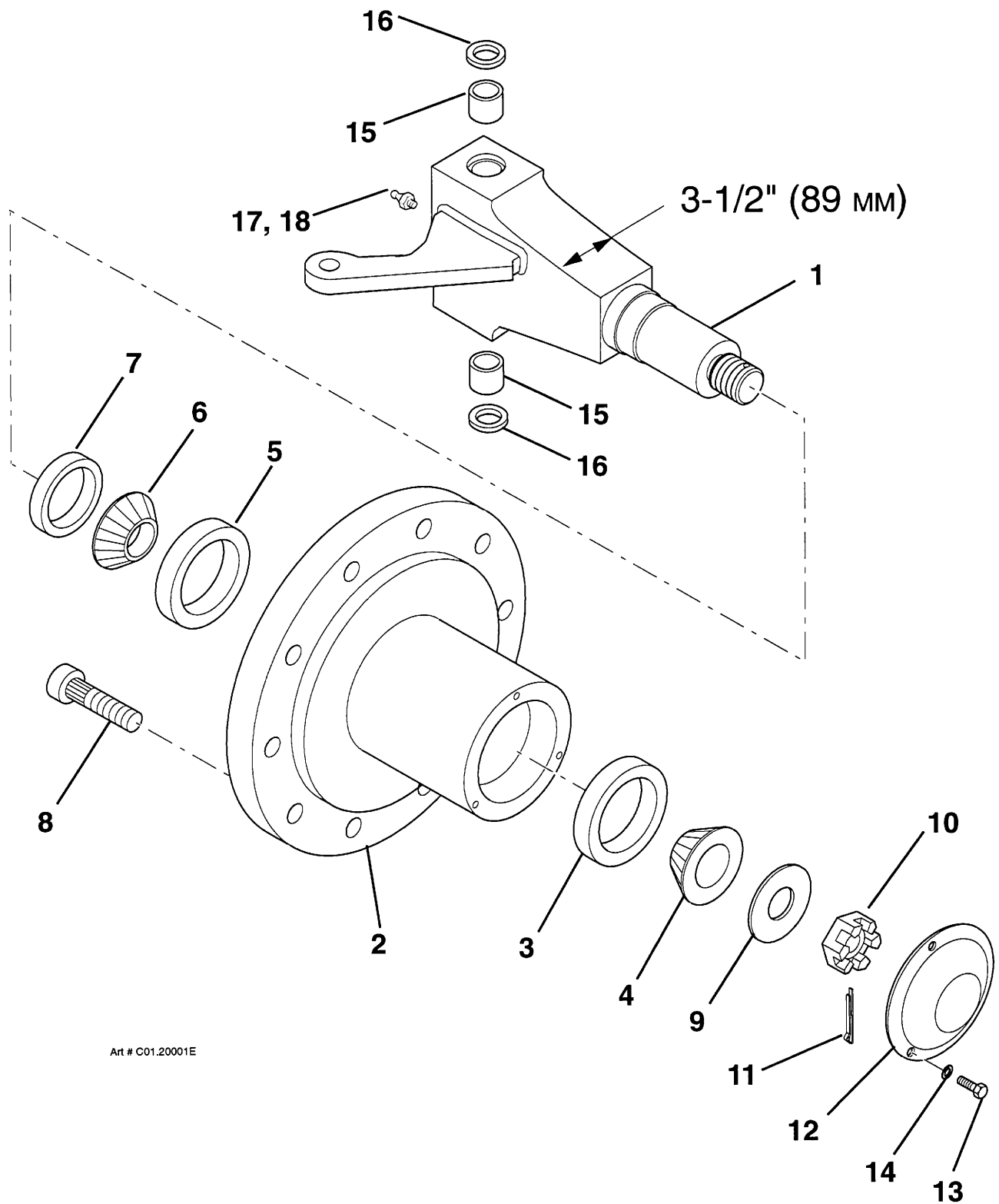
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	350 3089 Call Simon		SPINDLE ASSEMBLY (Left) Standard type, with no seals at spindle pin Optional type, with seals at spindle pin	1
			To identify these spindles: The distance from the spindle pin centerline to the end of the threads is 12.5" (31.8 cm). The width of the spindle weldment (see illustration) is 3-1/2" (89 mm). The inner and outer bearings are the same diameter.	
1	207 0711 Call Simon		SPINDLE (Left) Standard type (no counterbore for seals at spindle pin) Optional type (with counterbore for seals at spindle pin)	1
2	202 2585		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (Outer) (4.437" [113 mm] O.D.)	1
4	08-003500		CONE AND ROLLER, BEARING (Outer) (2.750" [70 mm] I.D.)	1
5	08-003400		CUP, BEARING (Inner) (4.437" [113 mm] O.D.)	1
6	08-003500		CONE AND ROLLER, BEARING (Inner) (2.750" [70 mm] I.D.)	1
7	01-030700		SEAL, SHAFT OIL (3.25" [83 mm] I.D., 4.5" [114 mm] O.D.)	1
8	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
9	07-062027		WASHER, FLAT (1-3/4")	1
10	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
11	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
12	202 1131		PLATE, SPINDLE END COVER	1
13	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	3
14	07-065014		WASHER, HELICAL LOCK (1/4")	3
15	08-014000		BEARING, SLEEVE (1-1/2" [38 mm] I.D., 1-3/4" [44.5 mm] O.D., 1-1/2" [38 mm] long)	2
16	10-164100		SEAL, SPINDLE PIN OIL (With option. Fits counterbored spindle, see Item 1) (1-1/2" [38 mm] I.D., 2" [51 mm] O.D.)	2
17	08-051300		FITTING, GREASE (1/8", 90°)	1
18	08-066300		CAP, GREASE FITTING (White plastic)	1

TITLE SPINDLE ASSEMBLY, LEFT HAND

PLATE NO. C01.15 SIMON AERIALS INC.

REV. 01 SEP., 1995

PART NO.



Art # C01.20001E

TITLE

SPINDLE ASSEMBLY, LEFT HAND

SIMON AERIALS INC.

REV. 01 SEP., 1995

PART
NO.

PLATE
NO. C01.15

PARTS LIST

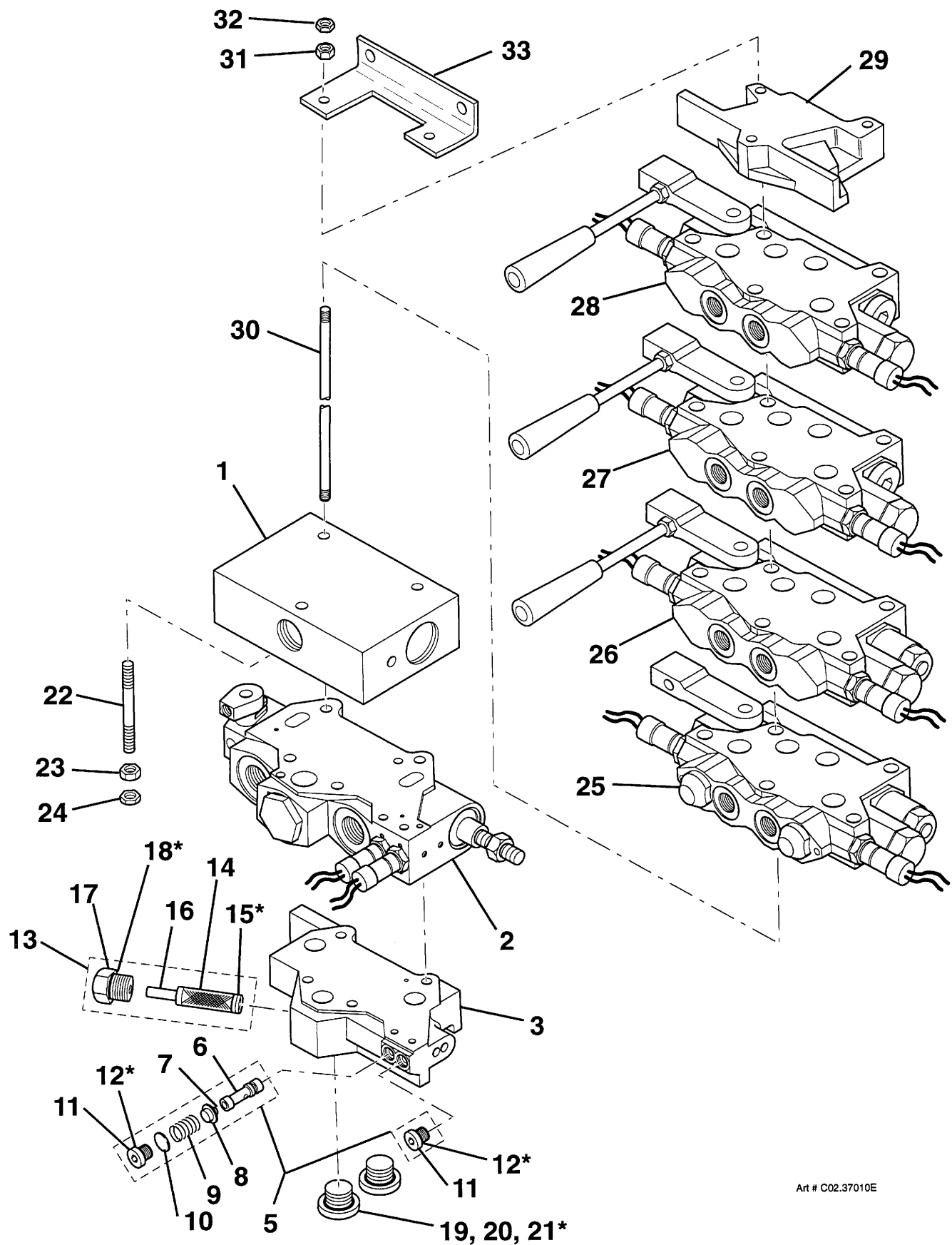
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			GROUND VALVE BANK ASSEMBLY First type has external solenoid-activated dump valve, Second type has internal solenoid-activated dump valve.	
			Note: When replacing complete valve bank assemblies , first or second type can be used. However, in replacing components , 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 . . Call Simon	D13.06	MANIFOLD, ADAPTER	1
2			VALVE SEGMENT, DRIVE CONTROL	1
3			INLET, LOAD SENSING	1
4	01-211017 Call Simon		for first type valve bank assembly for second type valve bank assembly	
	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.



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

SIMON AERIALS INC.

REV. 23 MAR., 1995

PART
NO.

PLATE
NO.

C02.37

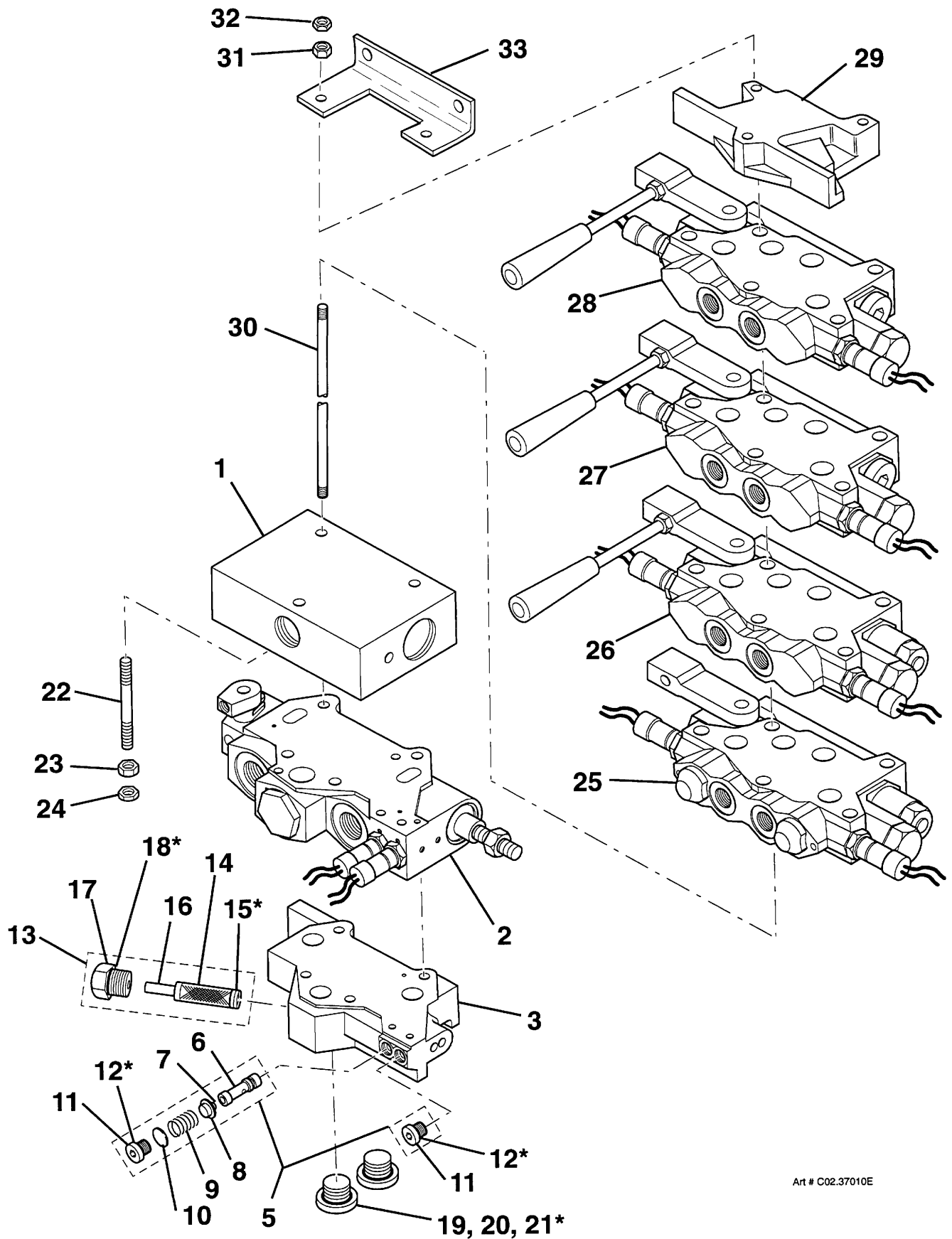
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
5	01-211018 Call Simon		PILOT REDUCING KIT for first type valve bank assembly for second type valve bank assembly	1
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 for first type valve bank assembly for second type valve bank assembly	1
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 for first type valve bank assembly for second type valve bank assembly	2
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 for first type valve bank assembly for second type valve bank assembly	1
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.	REV. 23 MAR., 1995	PART NO.
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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

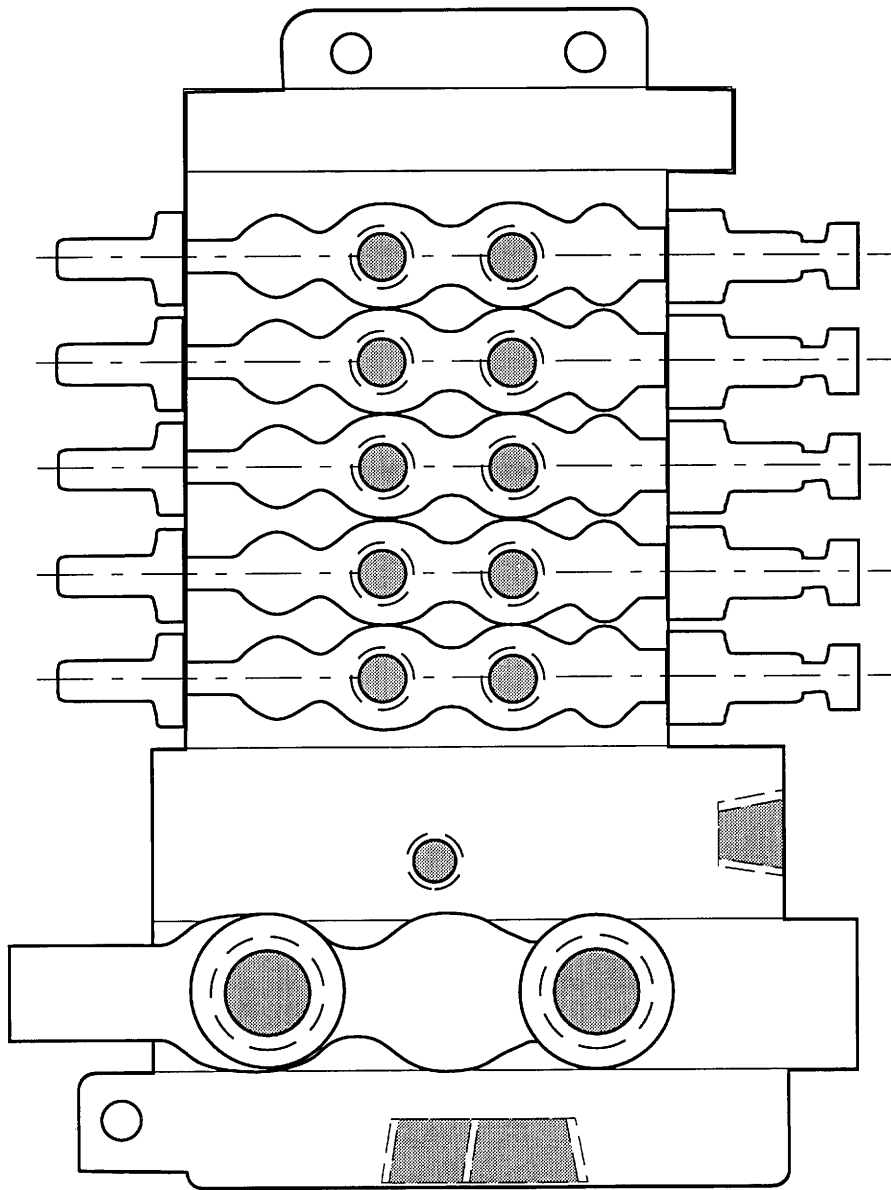
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following valves, tubes, fittings and miscellaneous items may be included as part of the Valve Assembly:	
34	01-018200		VALVE, CHECK	1
35	01-068200		VALVE, CHECK (Pilot operated)	1
36	01-019000		VALVE, FLOW CONTROL (Needle valve) (#8 SAE)	2
37	01-021000		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

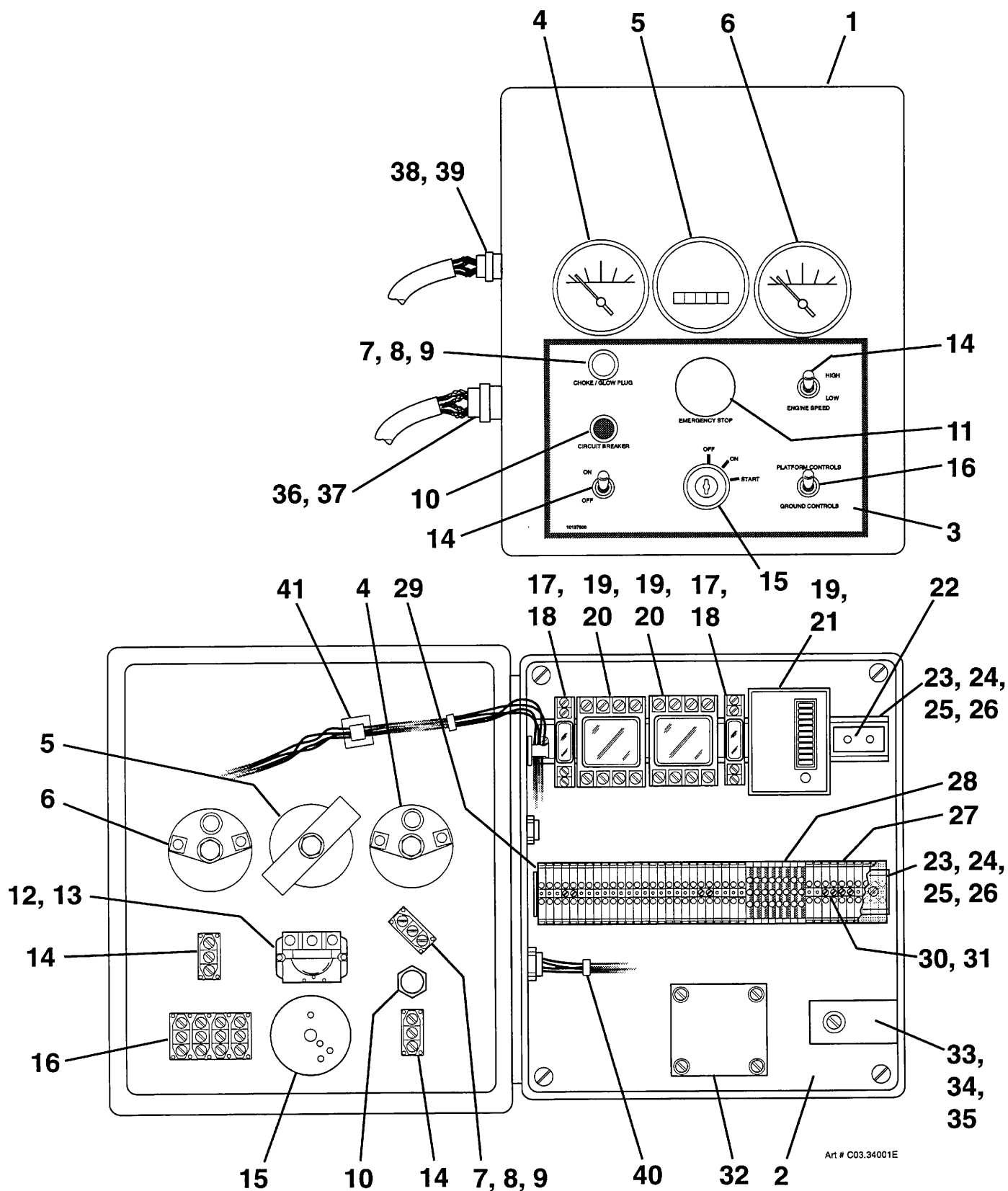
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This control box assembly for MP 80 and smaller with "Type 2" Electro-Proportional control system.	
1	2196520		BOX, GROUND CONTROL (Drilled. Includes cover) [12" (305 mm) x 14" (356 mm) x 6" (152 mm) deep]	1
2	2196530		SUBPLATE, MOUNTING	1
3	10-137500		DECAL,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

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

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

NEW 28 APR., 1992

PART NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 28 APR., 1992

PART
NO.

PLATE
NO. **C03.34**

PARTS LIST

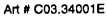
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	03-481600		MODULE, CONTROL (Low speed drive, nameplate marked "MC 31000036")	1
33	03-027231		POTENTIOMETER (10 K Ohm)	1
34	03-044900		LOCK, SHAFT	1
35	2196540		BRACKET, POTENTIOMETER MOUNTING	1
36	03-063200		GRIP, CORD (3/4")	3
37	03-055600		NUT, CONDUIT (3/4")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

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

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

NEW 28 APR., 1992

PART NO.



C03.34

PARTS LIST

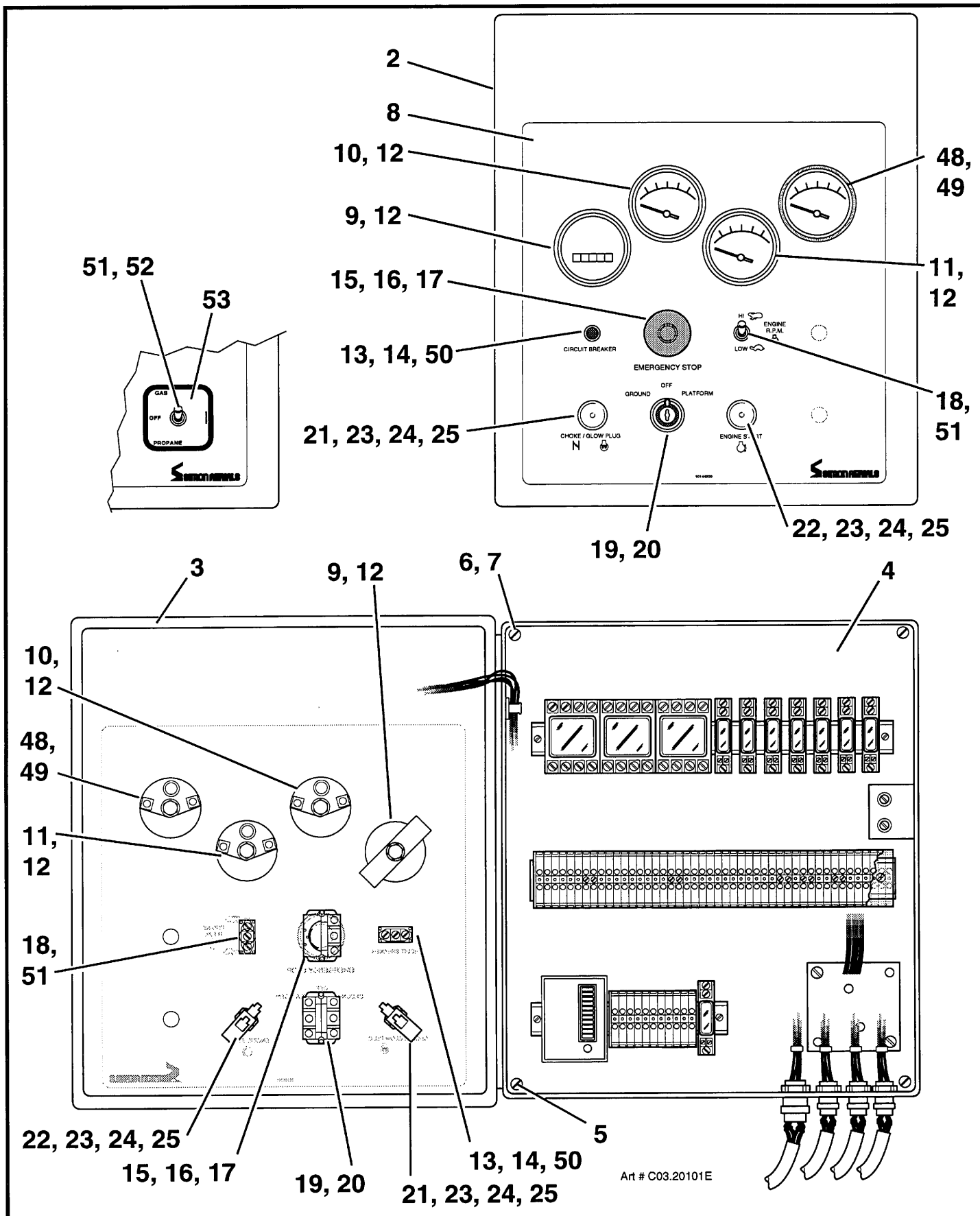
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5620 353 5621 353 5620		GROUND CONTROL BOX ASSEMBLY MP 40 thru MP 80 , with Electro-Proportional control system Model RP 46 Model RP 66	1
2	231 0430		BOX, GROUND CONTROL (Drilled. Includes cover) (12-1/4" x 14-1/4" x 6" deep [311 x 362 x 152 mm])	1
3	10-129100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

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

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

REV. 09 FEB., 1996

PART NO.



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

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. **C03.201**

PARTS LIST

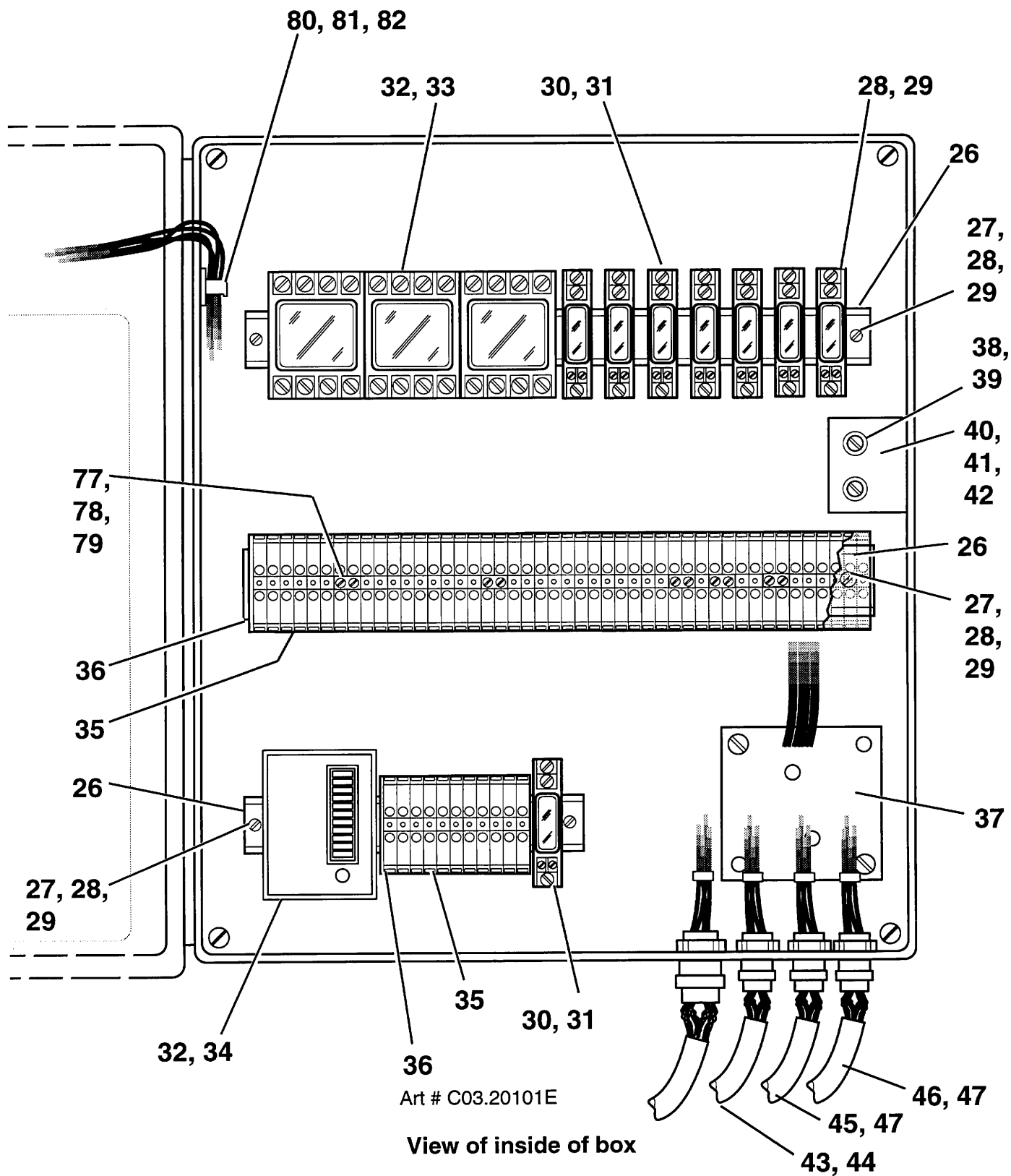
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	03-402500		GROUND CONTROL BOX ASSEMBLY (continued) SWITCH, PUSH BUTTON (10 Amp, 250 Volt AC) (Choke/ Glow Plug) (comes with Control Box Ass'y.)	1
	03-497900		PLUG, PLASTIC (for versions with Deutz Diesel engine) (1/2" dia., "Panel Seal", to fill unused toggle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

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

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

REV. 09 FEB., 1996

PART NO.



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

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.201

PARTS LIST

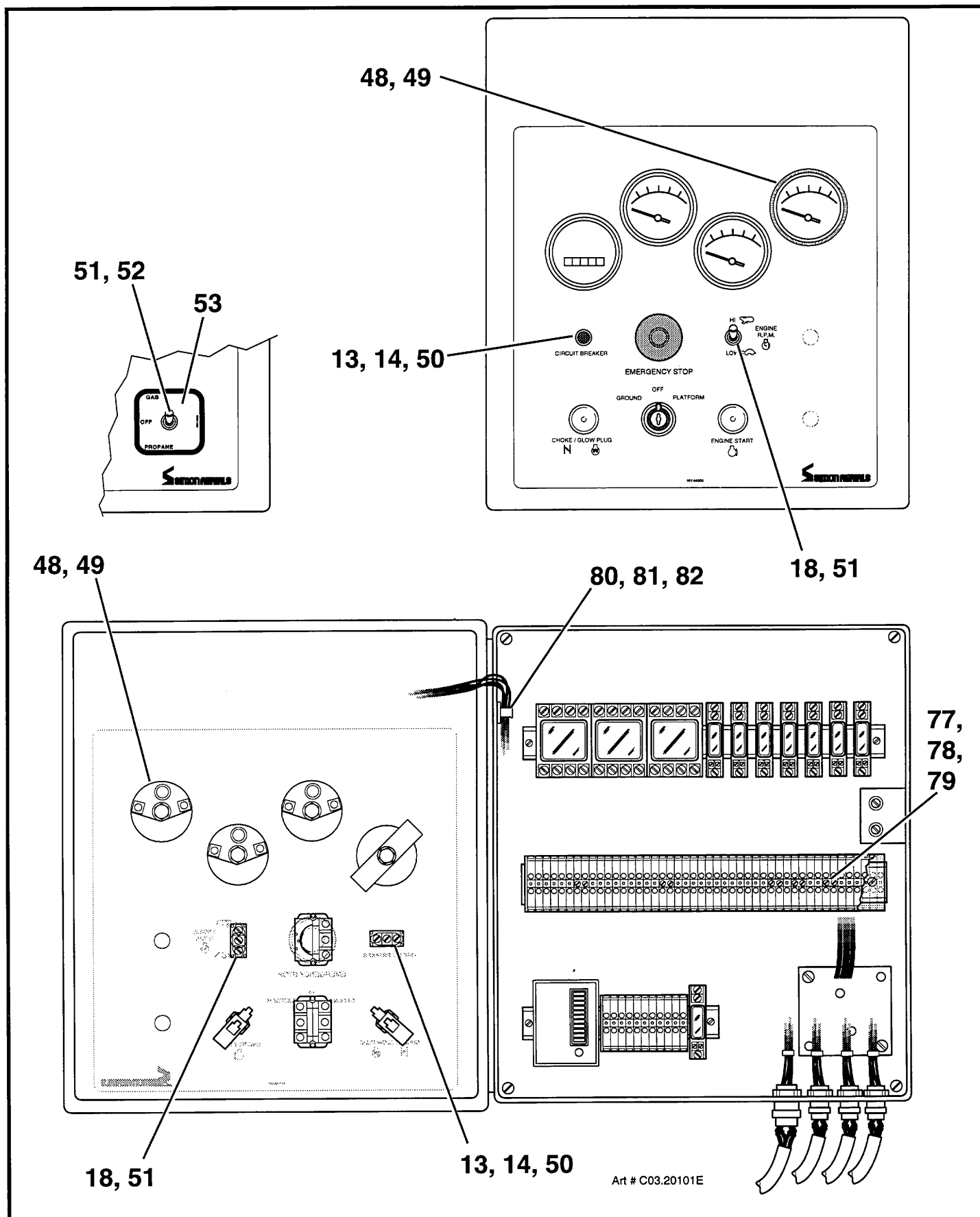
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Ground Control Box:	
48	03-493300		GAUGE, ENGINE COOLANT TEMPERATURE (optional with liquid cooled engines)	1
49	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	1
50	03-499800		SEAL, CIRCUIT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

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

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

REV. 09 FEB., 1996

PART NO.



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

SIMON AERIALS INC.

REV. 09 FEB., 1996

PART
NO.

PLATE
NO. C03.201

PARTS LIST

[illegible]**TITLE**

GAS ENGINE ASSEMBLY - 65 H.P.

**PLATE
NO.**

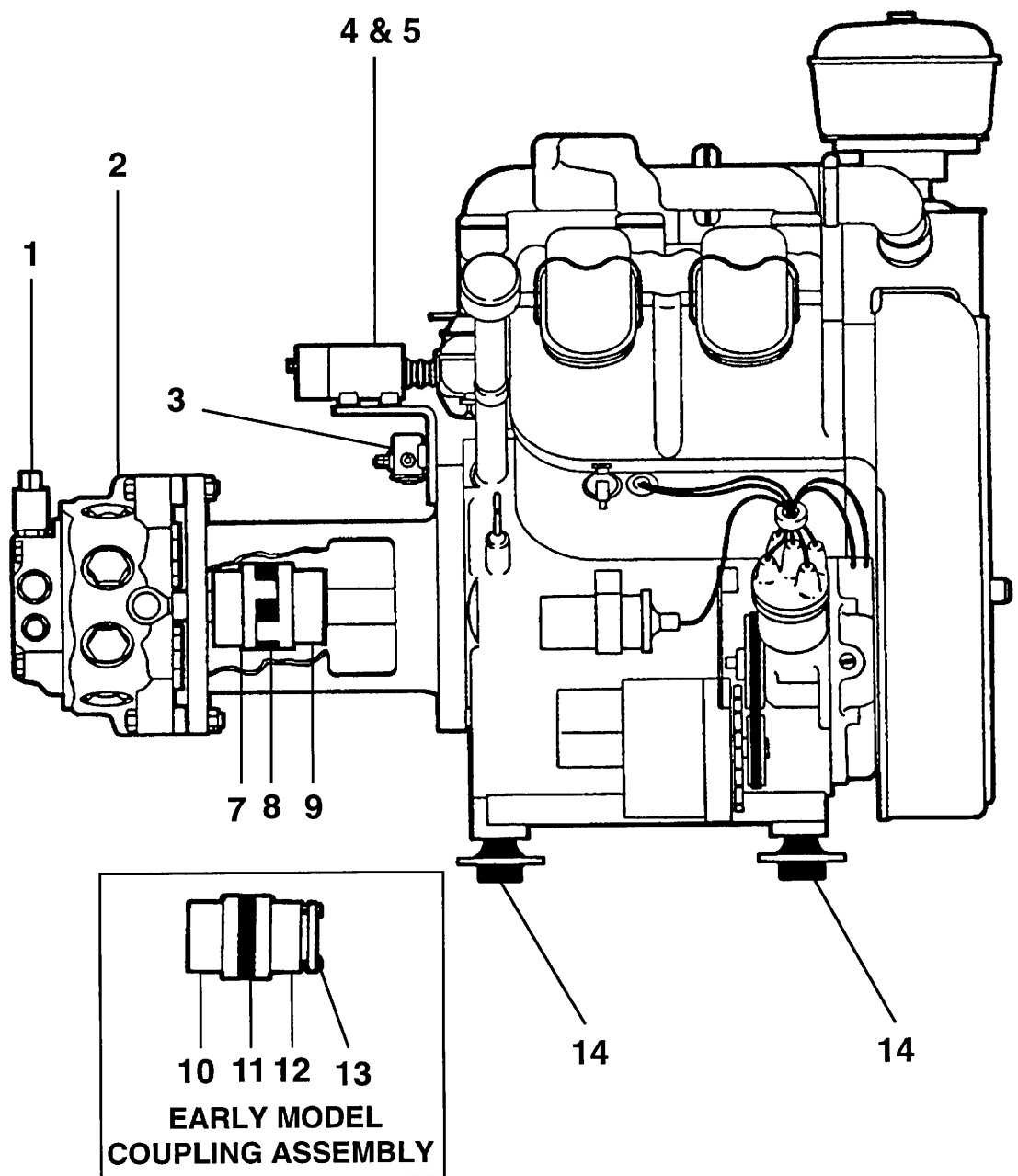
C04.17

SIMON AERIALS INC.

REV. 01/16/91

PART
NO.

208485-1



TITLE

GAS ENGINE ASSEMBLY - 65 H.P.

SIMON AERIALS INC.

REV. 01/16/91

PART
NO.

208485-1

PLATE
NO.

C04.17

PARTS LIST

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

TITLE

DIESEL ENGINE ASSEMBLY

PLATE NO.

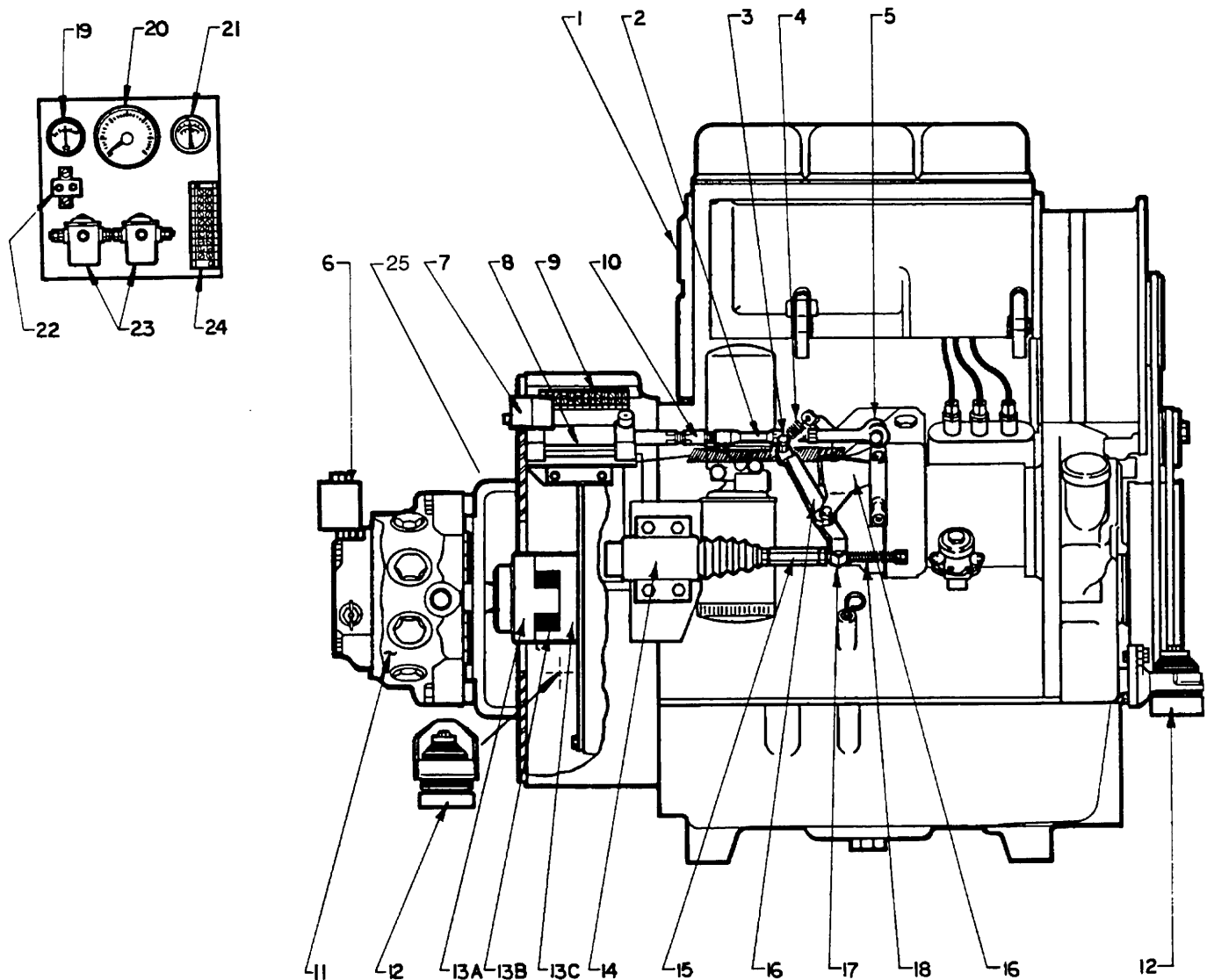
C04.21

SIMON AERIALS INC.

REV. 24 AUG., 1994
THIS SHEET ONLY

PART NO.

2098102



TITLE

DIESEL ENGINE ASSEMBLY

SIMON AERIALS INC.

REV. 09/12/90

PART NO. 2098102

PLATE NO. C04.21

PARTS LIST

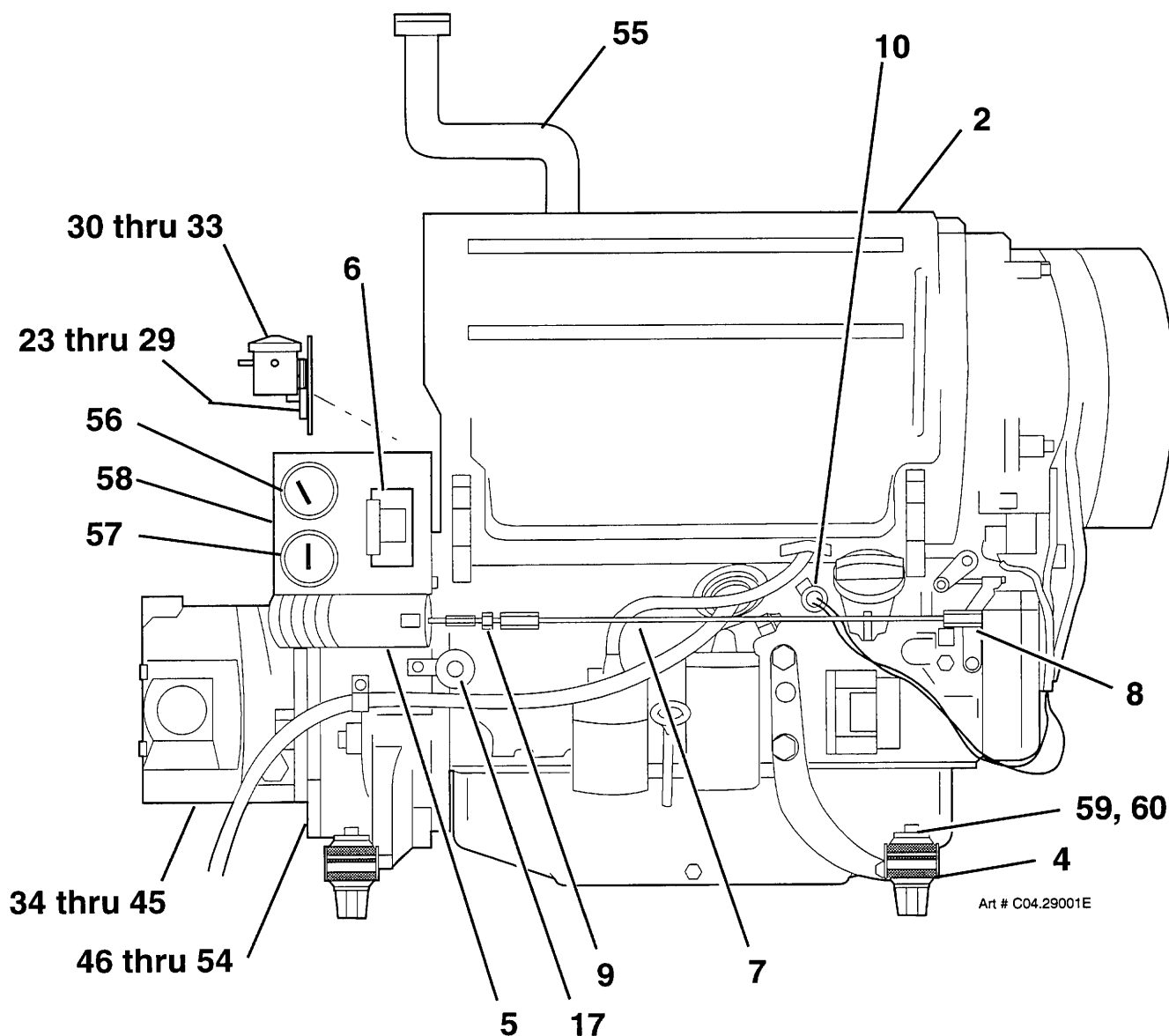
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3532270		ENGINE ASSEMBLY (Deutz Model F4L1011)	1
	3525660		with HPR 50 Pump (not for use with water glycol fluid)	1
			with PAVC 65 Pump (for use with water glycol fluid)	1
2	09-046300		ENGINE, DIESEL (Deutz Model F4L1011)	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (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.

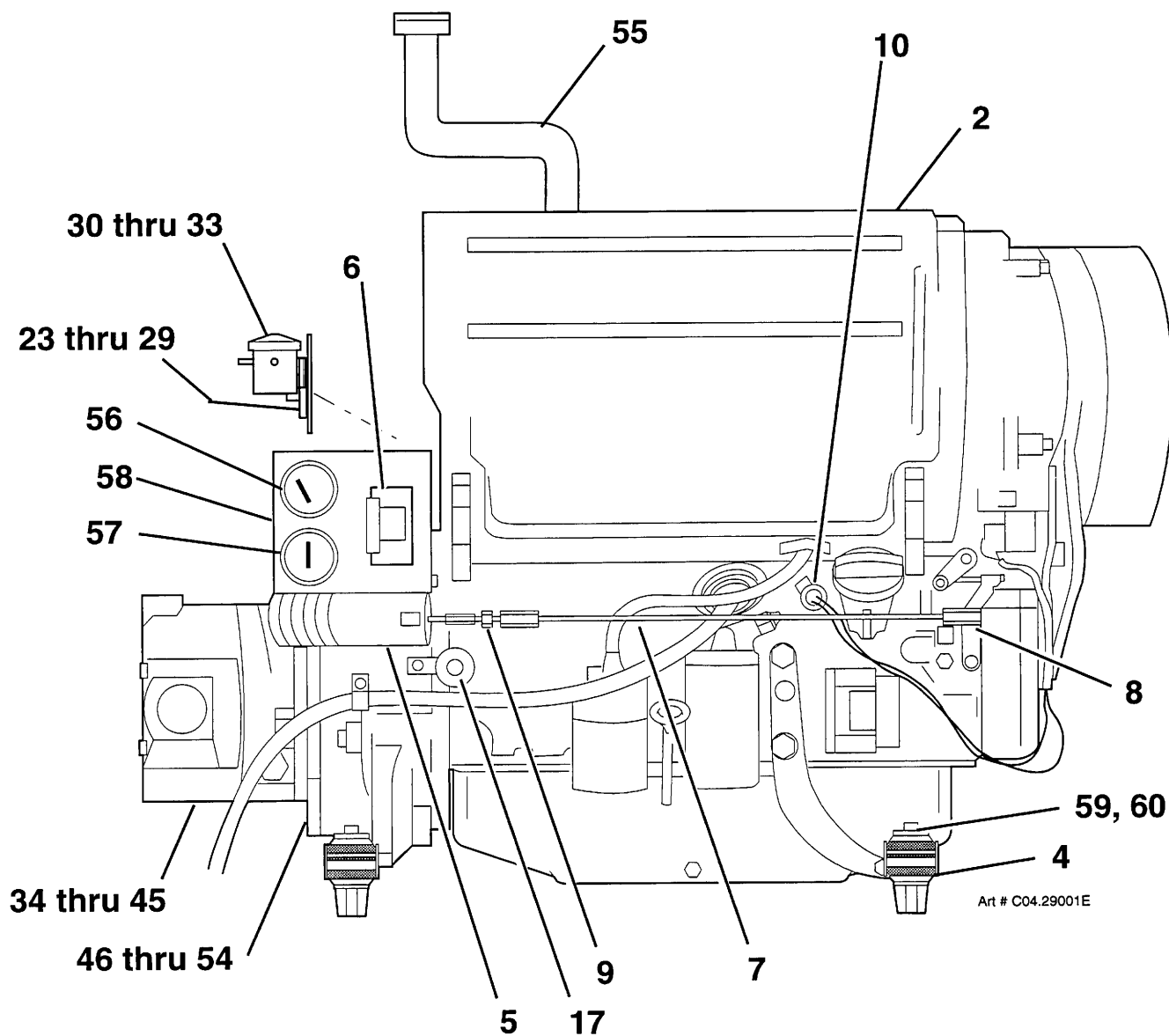
C04.29

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TITLE	ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 2 OF 3)
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PLATE NO. C04.29	SIMON AERIALS INC.	REV. 27 JAN., 1994	PART NO.
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PART NO.	
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Art # C04.29001E

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

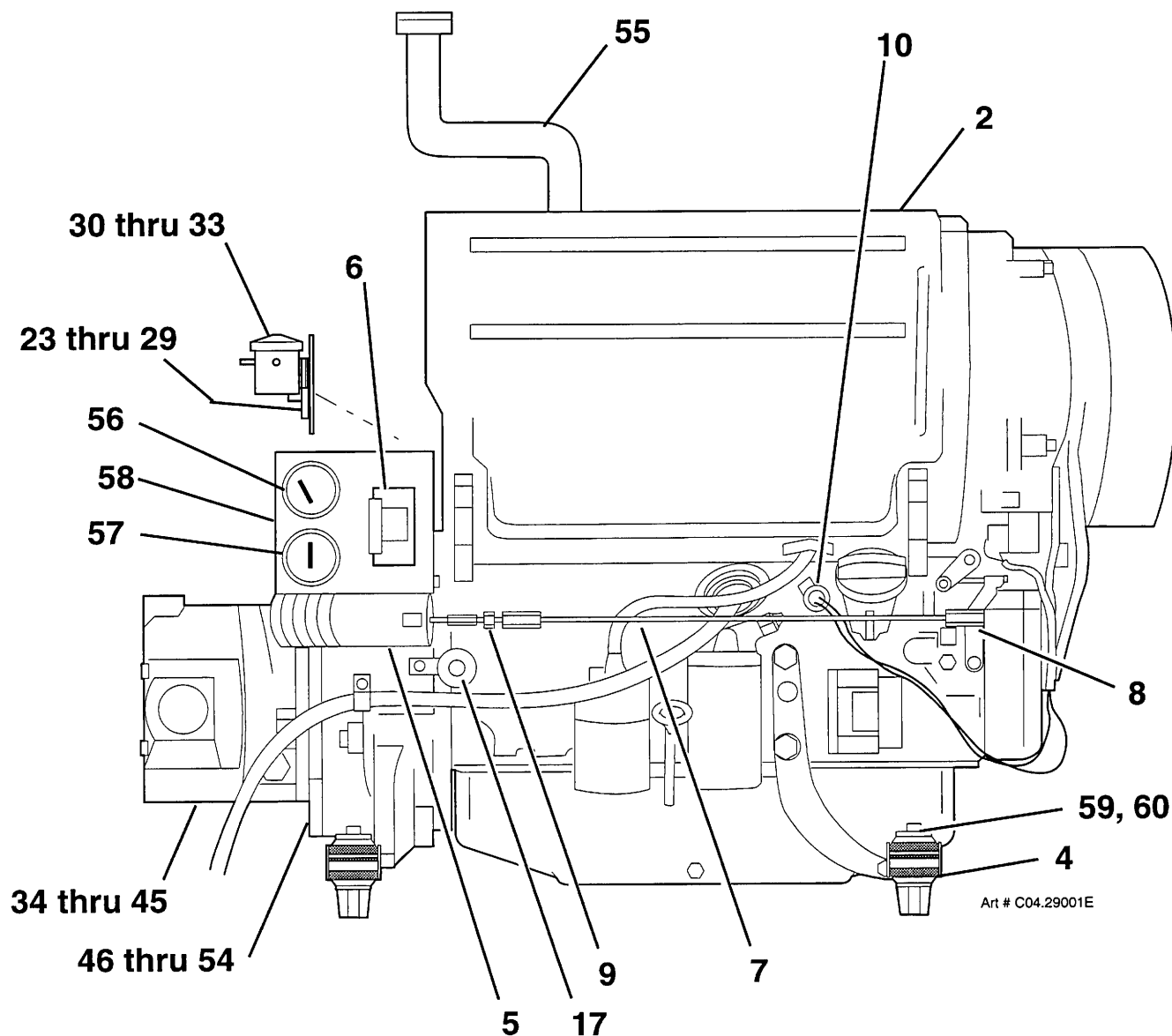
SIMON AERIALS INC.

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.		PART NO.
		REV. 27 JAN., 1994		



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

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

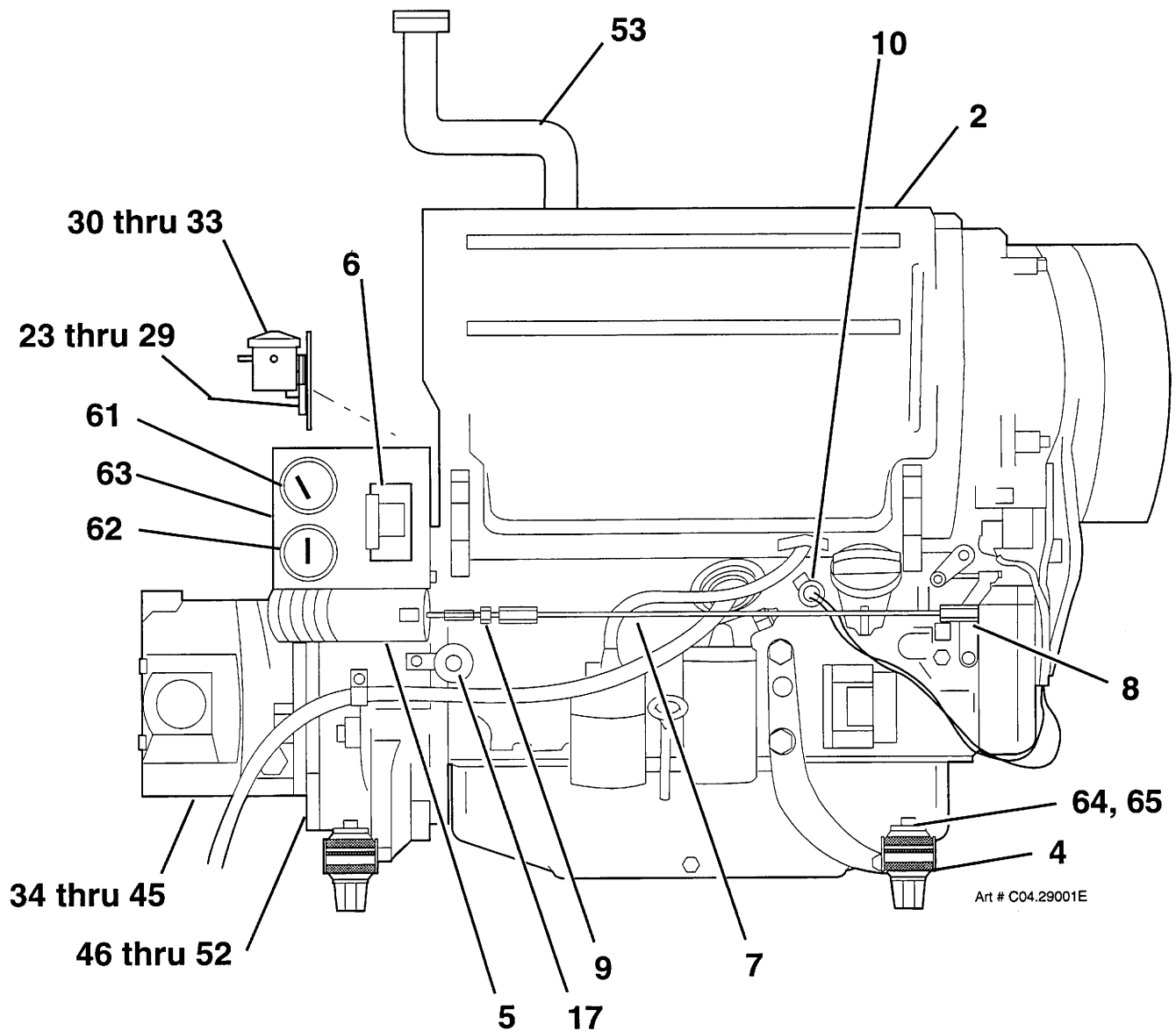
TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 1 OF 3)

PLATE NO. C04.34 **SIMON AERIALS INC.**

NEW 27 JAN., 1994

PART NO.

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	See Index	D08. - -	PUMP, HYDRAULIC	1
35			CAP SCREW, HEX HEAD	
	07-003126		with HPR 40 Pump (5/8"-11 x 1-1/4", Grade 5)	4
	07-004127		with HPR 50 Pump (5/8"-11 x 1-1/2", Grade 8)	4
36	07-065021		WASHER, HELICAL LOCK (5/8")	4
37	07-060021		WASHER, FLAT (5/8", standard)	4
38	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
39	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
40	07-065018		WASHER, HELICAL LOCK (1/2")	4
41	06-202100		FITTING, FLANGED (LI-16-16S-30)	1
42	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
43	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
44	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
45	01-013700		VALVE, SOLENOID (2 way) (Pump unloading)	1
46			PLATE, PUMP ADAPTER	
	02-011500		• Used with HPR 40 pump [1/2" (13 mm) thick] SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to SAE "C" (2 hole, 5" pilot) pump mount	1
	02-025700		• Used with HPR 50 pump [2" (51 mm) thick] SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to SAE "B" (2 hole, 4" pilot) pump mount	1
47			CAP SCREW, HEX HEAD	
	07-005184		with HPR 40 Pump (M 10 x 25 mm, Grade 8.8)	8
	07-005190		with HPR 50 Pump (M10 x 65 mm, Grade 8.8)	8
48	07-066006		WASHER, LOCK (10 mm) (with HPR 40 pump)	8
49	03-074000		CABLE, BATTERY [Black, 9-3/4" (25 cm) long, 3/8" lugs]	1
50			COUPLING ASSEMBLY, PUMP	
	02-011400		• Used with 02-025700 Pump Adapter for HPR 50 Pump. (10" clutch)	1
	02-043700		• Used with 02-011500 Pump Adapter for HPR 40 Pump.. (Replaces 02-033900)	1
	02-033900		• Obsolete. Use 02-043700. 4 segment type, used with 02-011500 Pump Adapter for HPR 40 Pump. 6 hole, 8.5" pilot, 14 tooth spline	1
51	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6
52	07-066005		WASHER, LOCK (8 mm)	6
53	09-056900		PIPE, EXHAUST	1
TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 2 OF 3)				
PLATE NO.	C04.34	SIMON AERIALS INC.		PART NO.
				NEW 27 JAN., 1994



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

SIMON AERIALS INC.

NEW 27 JAN., 1994

PART
NO.

PLATE
NO.

C04.34

PARTS LIST

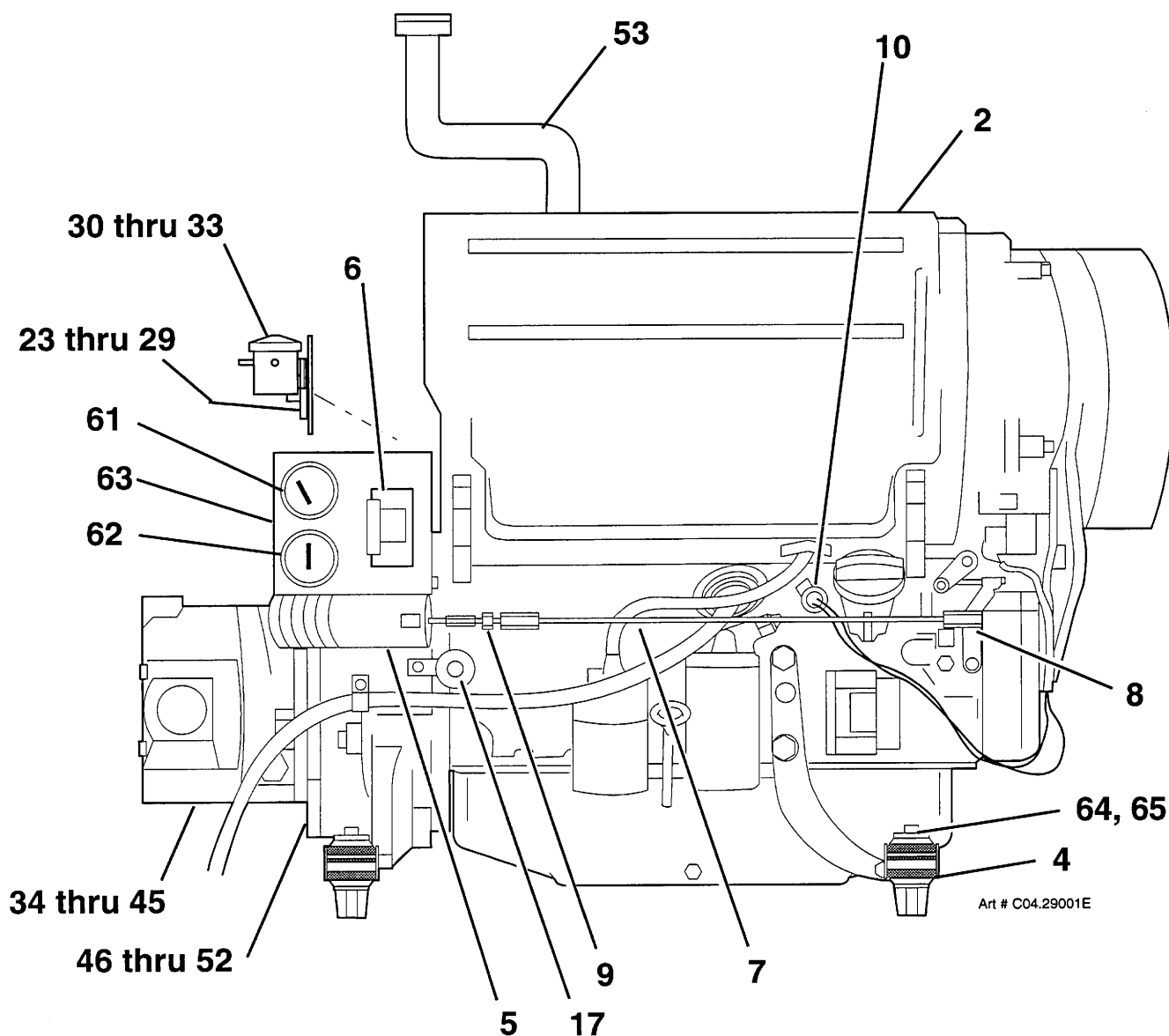
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
54	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item) [25 Ft (7.6 M) required with HPR 40 pump] [13.5 Ft (4.1 M) required with HPR 50 pump]	A.R.
55	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item) [0.5 Ft (150 mm) required with HPR 40 pump]	A.R.
56	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item) [.5 Ft (150 mm) required with HPR 40 pump]	A.R.
57	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk) [6.0 Ft (1.8 M) required with HPR 40 pump] [6.8 Ft (2.1 M) required with HPR 50 pump]	A.R.
58	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk) [1.0 Ft (30.5 cm) required with HPR 40 pump] [3.5 Ft (1.1 M) required with HPR 50 pump]	A.R.
59	03-061800		DIODE (6 Amp, 200 Volt)	1
60	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.) [5.0 Ft (1.5 M) required with HPR 40 pump] [4.2 Ft (1.3 M) required with HPR 50 pump]	A.R.
			The following items are used when gauges are not mounted on the ground control electrical box:	
61	03-030400		AMMETER (50 Amp)	1
62	10-034200		GAUGE, OIL PRESSURE (2-1/2" dial; with mounting bracket)	1
63	2171050		PANEL, GAUGE	1
			The following components, used to mount the engine to the superstructure, are not part of the engine assembly:	
64	07-004078		CAP SCREW, HEX HEAD (7/16"-14 x 6-1/2", Grade 8)	4
65	07-050017		NUT, HEX LOCK (7/16"-14)	4

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

PLATE NO. C04.34 **SIMON AERIALS INC.**

NEW 27 JAN., 1994

PART NO.



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

SIMON AERIALS INC.

NEW 27 JAN., 1994

PART
NO.

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NO. C04.34

PARTS LIST

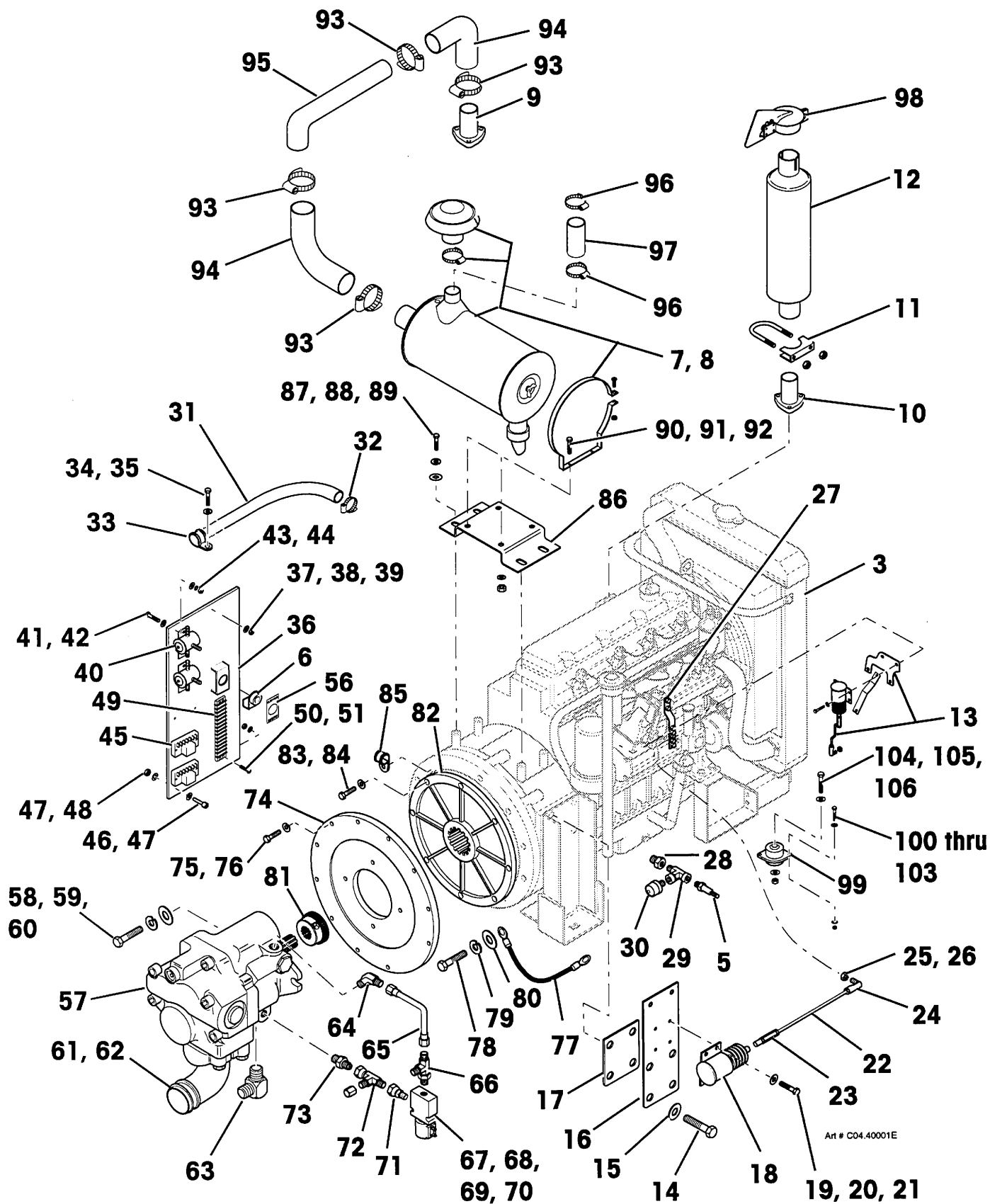
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 7210		ENGINE GROUP (Isuzu C-240, MP 60)	1
2	354 5340		ENGINE ASSEMBLY (Isuzu C-240)	1
3	231 6270		ENGINE (modified with new front mounting bracket)	1
4	09-049200		ENGINE (Isuzu C-240 liquid cooled Diesel)	1
5	---		SWITCH, OIL PRESSURE (comes with engine)	1
6	---		LAMP, GLOW PLUG INDICATOR (comes with engine)	1
7	---		AIR CLEANER ASSEMBLY (comes with engine)	1
8	---		ELEMENT, AIR FILTER (comes with engine)	1
9	---		PIPE, INTAKE (Straight) (comes with engine)	1
10	---		PIPE, EXHAUST (Straight) (comes with engine)	1
11	---		CLAMP, MUFFLER (comes with engine)	1
12	---		MUFFLER (comes with engine)	1
13	---		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
14	---		BOLT, HEX HEAD (comes with engine)	4
15	---		WASHER (comes with engine)	4
16	236 7080		BRACKET, THROTTLE SOLENOID	1
17	236 7090		SPACER, THROTTLE SOLENOID BRACKET	1
18	03-456900		SOLENOID, THROTTLE (4-bolt mount) (with module)	1
19	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
20	07-060014		WASHER, FLAT (1/4", SAE)	8
21	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
22	11-008005		ROD, THREADED (1/4"-28, Grade 5) (3 ft [.91 m] long piece. Cut to fit. 13" [.33 m] long piece needed here.)	1
23	09-016402		BALL JOINT (1/4"-28, straight)	1
24	09-016403		BALL JOINT (1/4"-28, 90°)	1
25	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
26	07-065014		WASHER, HELICAL LOCK (1/4")	1
27	236 0160		ARM, THROTTLE LEVER	1
28	06-211300		ADAPTER, BSP TO NPT (1/8 x 1/8 F3HG-S)	1
29	06-074600		STREET TEE (1/8 MRO-S) (2MP-2FP-2FP)	1
30	09-052200		SENDING UNIT, OIL PRESSURE GAUGE (0-100 psi [690 kPa])	1
31	05-081900		FUEL LINE (5/16") (Vent, valve cover breather) (Bulk item, order as needed. 2.4 ft [.73 m] used here.)	A.R.
32	09-004600		CLAMP, WORM (1/4" to 5/8")	1
33	10-061200		CLAMP, LOOP (G-12, 3/4")	1
34	07-005147		CAP SCREW, HEX HEAD (M8-1.25 x 16 mm, Grade 8.8)	1
35	07-066005		WASHER, HELICAL LOCK (8 mm)	2

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

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

SECTION **C04.** PLATE NO. **40** PAGE **01** REV. **-** DATED **03 JAN., 1997** PART NO.



Art # C04.40001E

Simon Aerials Inc.
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED

03 JAN., 1997

SECTION

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PLATE NO.

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PARTS LIST

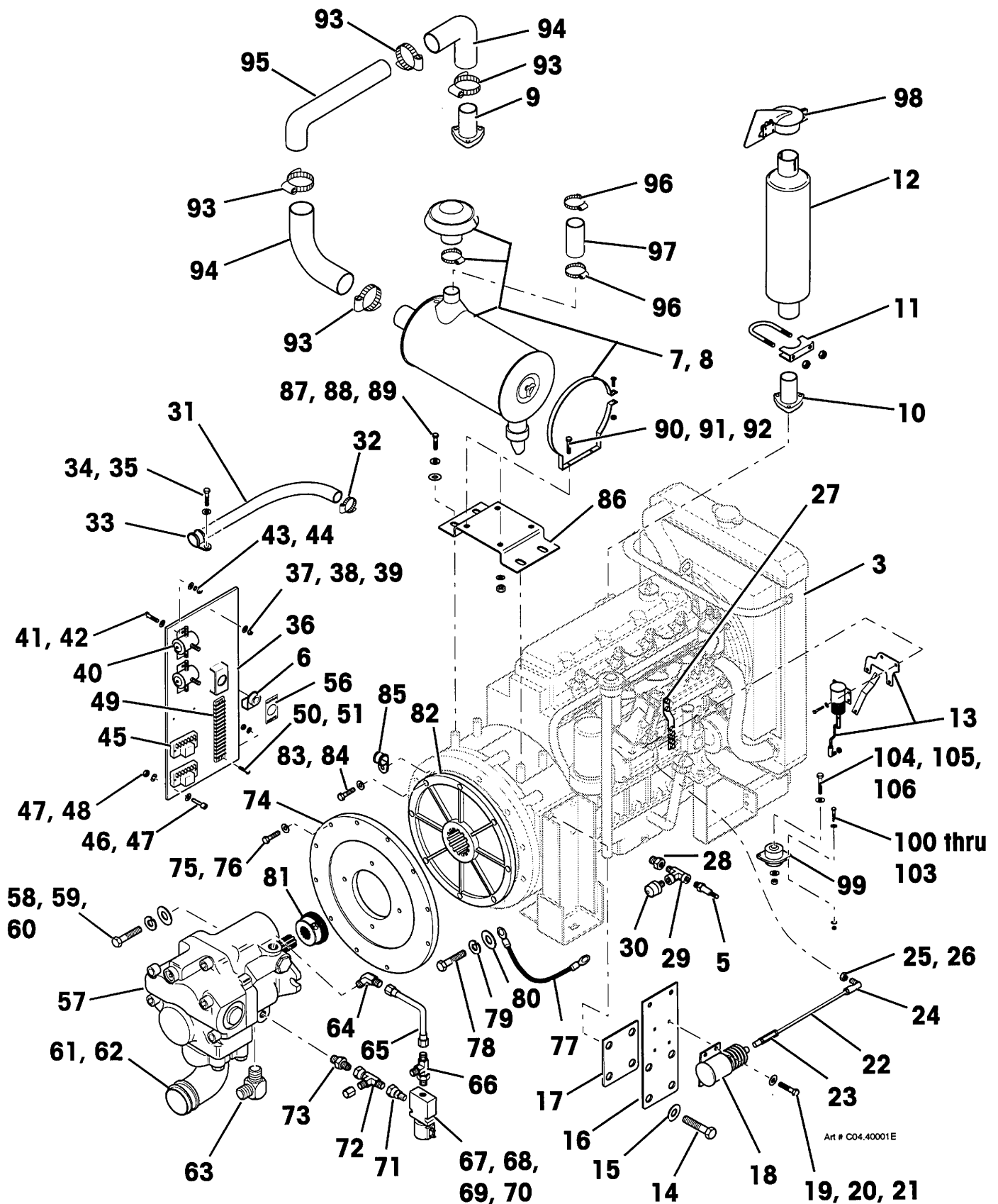
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	235 2040		ENGINE ASSEMBLY (continued)	1
37	06-059000		PANEL, ENGINE ACCESSORY	4
38	07-060016		SPACER (Sleeve 6 TX-S)	8
39	07-050016		WASHER, FLAT (3/8", SAE)	4
40	03-051300		NUT, STOP (3/8"-16)	2
41	07-003002		RELAY (12 Volt DC, single pole, single throw)	4
42	07-060014		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
43	07-111600		WASHER, FLAT (1/4", SAE)	2
44	07-050014		WASHER, EXTERNAL TOOTH LOCK (1/4")	4
45	03-456803		NUT, LOCK (1/4"-20, Grade 5)	2
46	07-008354		MODULE, THROTTLE SOLENOID	4
47	07-062009		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4")	8
48	07-050011		WASHER, FLAT (#8)	4
49	03-468700		NUT, STOP (#10-24)	1
50	07-011334		BLOCK, TERMINAL (14 station)	2
51	07-050007		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
52	07-003002		NUT, STOP (#6-32, Grade 5)	1
53	07-060014		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	1
54	07-111600		(Panel ground, used on some earlier versions. Not shown.)	1
55	07-050014		WASHER, FLAT (1/4", SAE)	1
56	10-115800		WASHER, EXTERNAL TOOTH LOCK (1/4")	1
57	01-236900	D08.15	NUT, LOCK (1/4"-20, Grade 5)	1
58	07-003127		DECAL, "GLOW PLUG INDICATOR"	1
59	07-060021		PUMP ASSEMBLY, HYDRAULIC (marked "PAVC 65 X 3224")	1
60	07-065021		(50 c.c./ rev. output)	2
61	06-216700		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
62	06-216600		WASHER, FLAT (5/8")	2
63	06-045600		WASHER, HELICAL LOCK (5/8")	1
			FLANGE, SUCTION FITTING (1-1/2")	1
			(includes two flange halves and mounting hardware)	1
			90° FITTING (1-1/2" stem to 1-1/2" hose)	1
			90° ELBOW, "O"-RING TO 37° (12-16 C50X-S)	1
			(12MJ-16MB 90°)	

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

SECTION **C04.** PLATE NO. **40** PAGE **02** REV. - DATED 03 JAN., 1997 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 # C04.40001E

Simon Aerials Inc.
10600 West Brown Deer Road
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Fax 414-355-3172

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART NO.

REV.

DATED

03 JAN., 1997

SECTION

C04.

PLATE NO.

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PARTS LIST

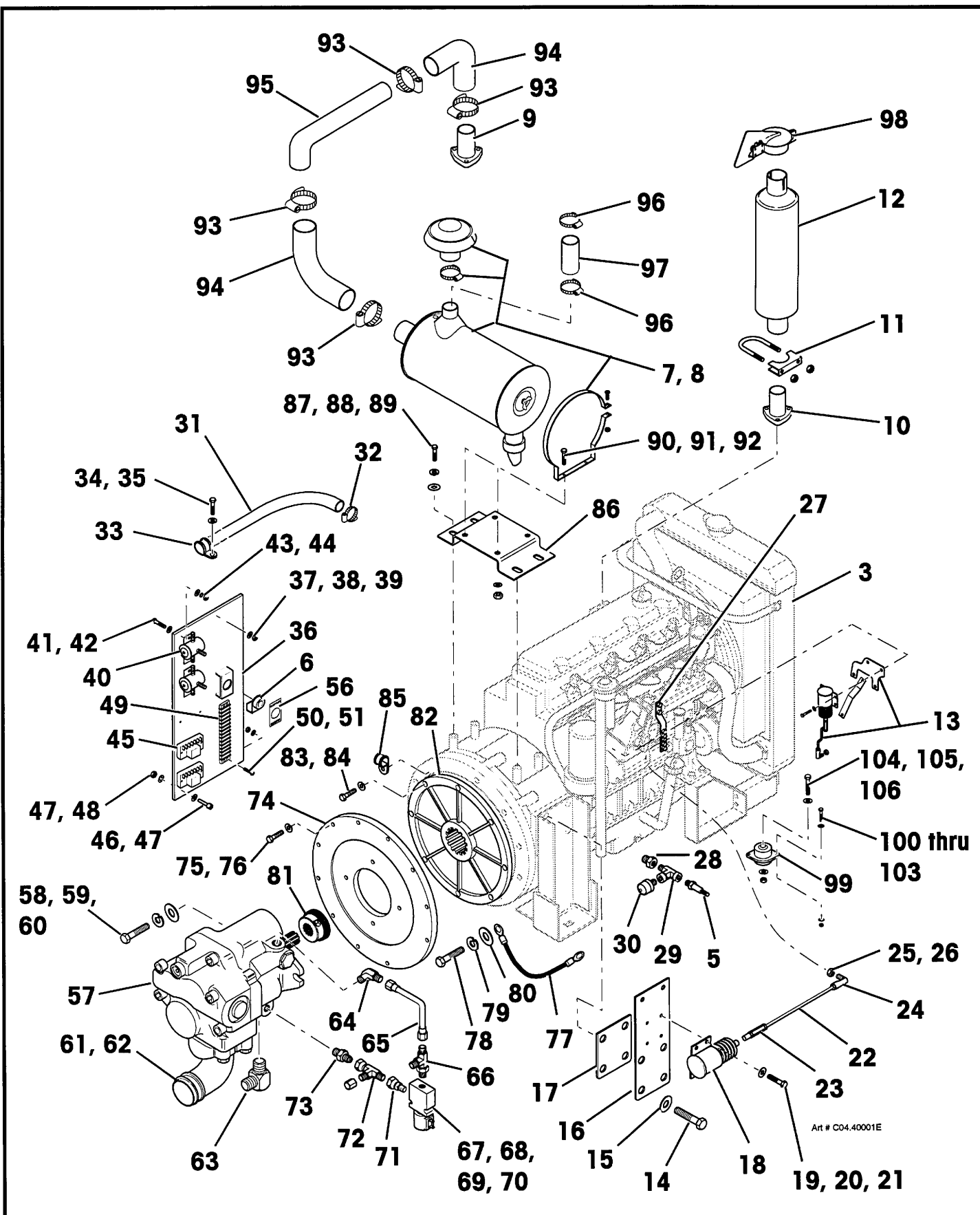
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
64	06-047000		ENGINE ASSEMBLY (continued)	
65	353 6550		45° ELBOW, "O"-RING TO 37° (6 V50X-S) (6MJ-6MB 45°)	1
66	06-048500		TUBE, HYDRAULIC	1
67	01-013900		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S) (6MB-6MJ-6MJ)	1
68	01-013700		VALVE BLOCK, CARTRIDGE	1
69	01-013701		VALVE, TWO-WAY (Solenoid operated)	1
70	01-013702		SEAL KIT, VALVE	1
71	06-079000		COIL (12 Volt DC)	1
72	06-054500		CONNECTOR, SWIVEL NUT (6 F650X-S)	1
73	06-191900		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (6SJX-6MJ-6MJ)	1
74	02-036500		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) (6MJ-4MB)	1
			ADAPTER, PUMP (1/2" [13 mm] thick)	
75	07-003046		(12 hole, 14-1/4" pilot flywheel housing to "C" [2 hole, 5" pilot] pump mount)	1
76	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	12
77	03-735800		WASHER, HELICAL LOCK (3/8")	12
78	07-005184		STRAP, GROUND (Braided, 12" [30.5 cm] long)	1
79	07-066006		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	1
80	07-060016		WASHER, LOCK (10 mm)	1
81	02-048700		WASHER, FLAT (3/8", SAE)	2
82	02-046200		HUB, PUMP COUPLING (1.25", 14 tooth spline)	1
83	07-003046		FLANGE, PUMP COUPLING.	1
84	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	8
85	10-061200		WASHER, HELICAL LOCK (3/8")	8
86	218 0190		CLAMP, LOOP (G-12, 3/4")	1
87	07-005184		BRACKET, AIR CLEANER	1
88	07-066006		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	4
89	07-062016		WASHER, LOCK (10 mm)	4
90	07-003045		WASHER, FLAT (3/8")	4
91	07-050016		CAP SCREW, HEX HEAD (3/8"-16 x 1")	4
92	07-060016		NUT, STOP (3/8"-16)	4
93	09-015000		WASHER, FLAT (3/8", SAE)	4
94	09-018900		CLAMP, HOSE (Worm type) (3")	4
95	09-051100		ELBOW, RUBBER (2" I.D.)	2
			PIPE, AIR INTAKE (Metal)	1

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

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

SECTION **C04.** PLATE NO. **40** PAGE **03** REV. **-** DATED **03 JAN., 1997** PART NO.



Art # C04.40001E

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

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED

03 JAN., 1997

SECTION

C04.

PLATE NO.

40

PAGE

03

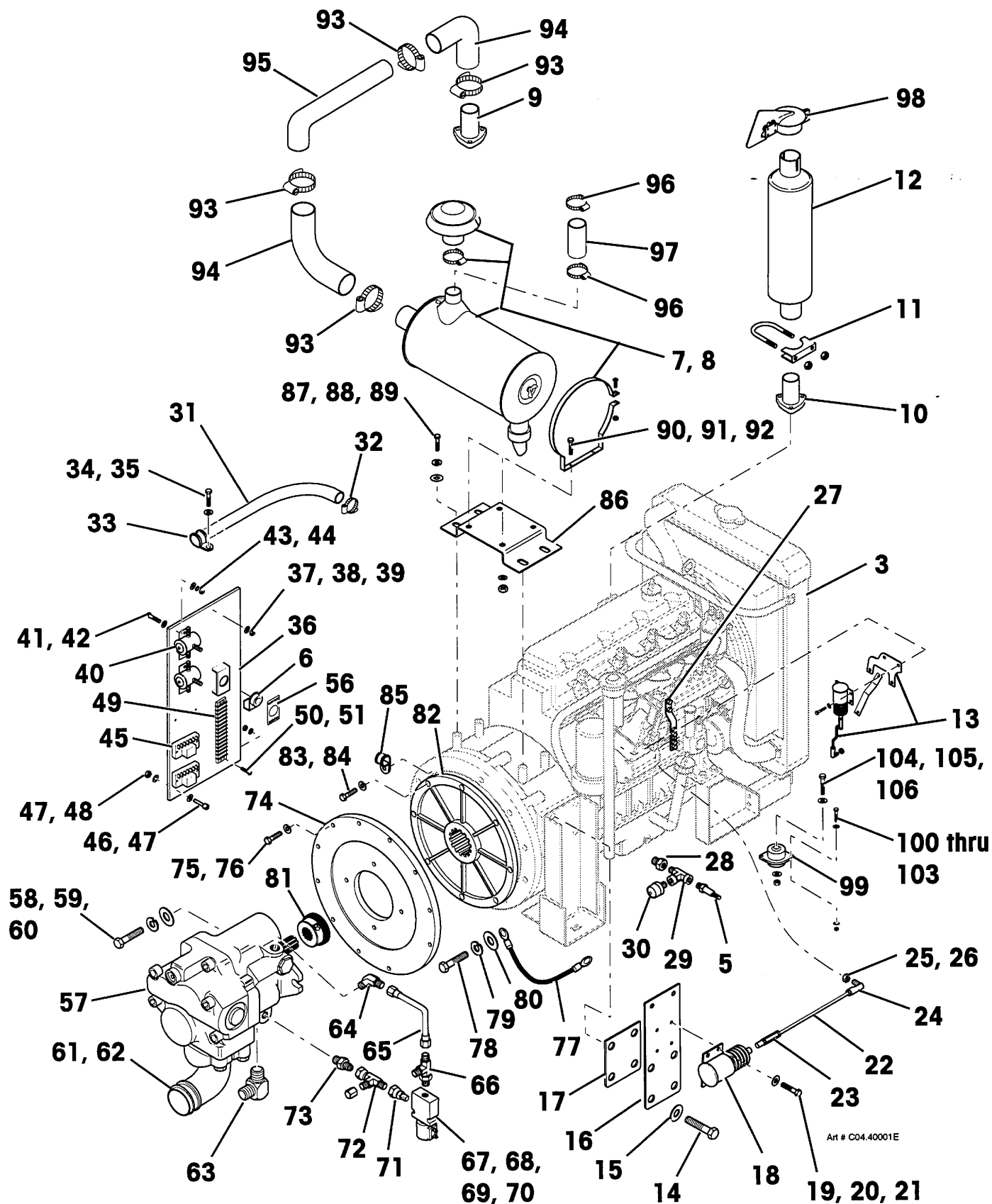
PARTS LIST

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TITLE ENGINE ASSEMBLY, ISUZU C-240 DIESEL

SECTION	C04.	PLATE NO.	40	PAGE	04	REV.	-	DATED	03 JAN., 1997	PART	NO.
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Simon Aerials Inc.
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Art # C04.40001E

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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART NO.

REV.

DATED

03 JAN., 1997

SECTION

C04.

PLATE NO.

40

PAGE

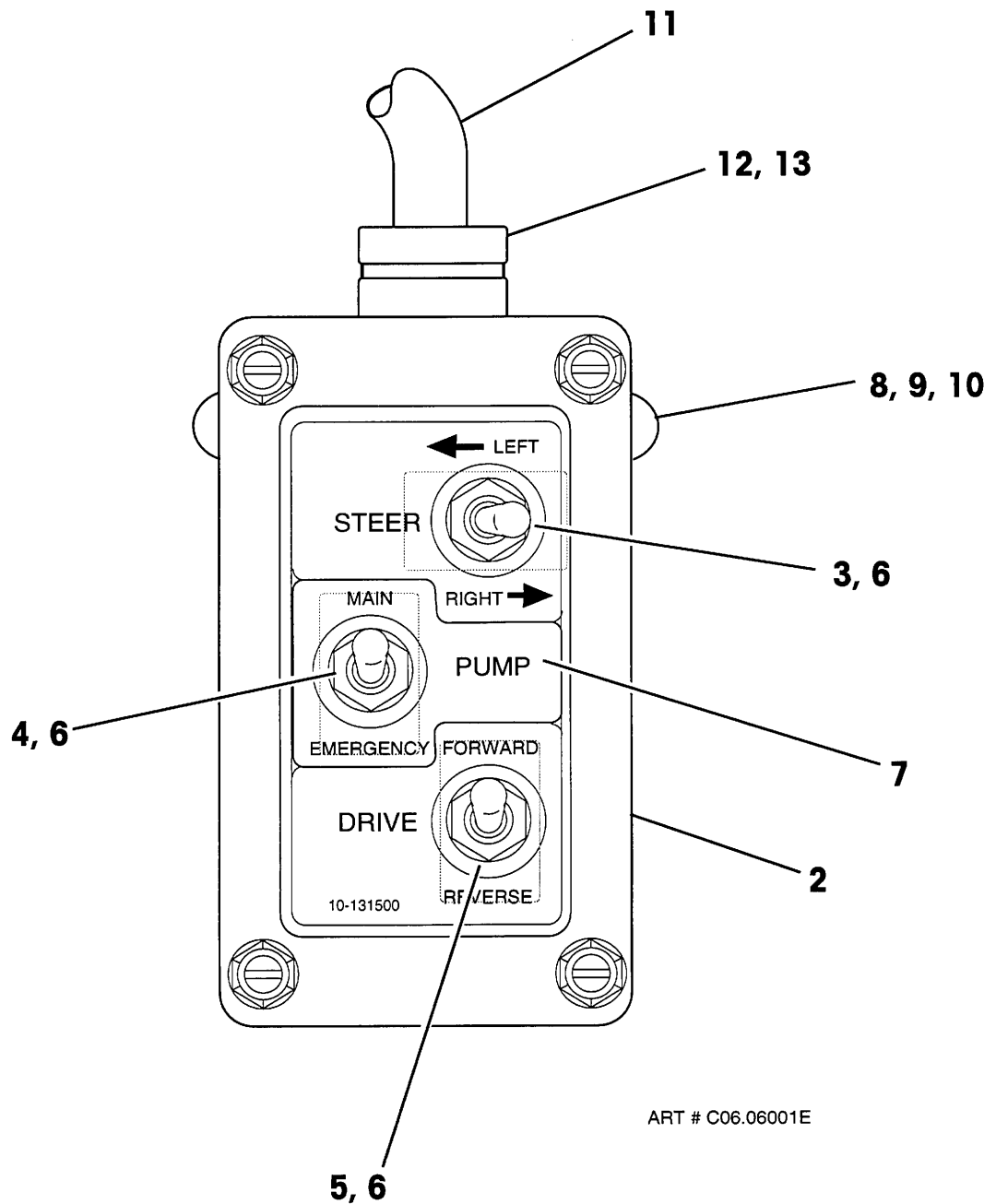
04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 9370		PENDANT ASSEMBLY, REMOTE CONTROL	1
2	219 3970		BOX, CONTROL (includes cover) drilled for this application	1
3	03-406100 03-020500		undrilled box SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	1
4	03-020500 03-020600		SWITCH, TOGGLE (Pump) (Three position, momentary contact) single pole, double throw (current versions) double pole, double throw (some earlier versions)	1
5	03-020600		SWITCH, TOGGLE (Drive) (Three position, momentary contact, double pole, double throw)	1
6	03-497900		SEAL, PANEL	3
7	10-131500		DECAL, REMOTE CONTROL PENDANT Current style has White and Red lettering on Black background. Earlier style has Black lettering on a White background. Appearance change only, current style will be supplied.	1
8	01-031705		KNOB, CONTROL BOX MOUNTING	2
9	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
10	07-062011		WASHER, FLAT (#10)	10
11	03-446100		CABLE, ELECTRICAL (#18 AWG, 10 conductor) (10 ft [3.05 m] needed for this application)	A.R.
12	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	1
13	03-055700		NUT, CONDUIT LOCK (3/8")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	12
15	03-064000		TIE, CABLE (7.4" [188 mm] long)	5
16	03-064100		MOUNT, CABLE TIE (adhesive backed)	1

TITLE PENDANT ASSEMBLY, REMOTE CONTROL					
SECTION	C06.	PLATE NO.	06	PAGE	01
REV.	A	DATED	14 FEB., 1997	PART NO.	352 9370

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

PART NO. **352 9370**

REV. **A**

DATED
14 FEB., 1997

SECTION **C06.**

PLATE NO. **06**

PAGE **01**

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

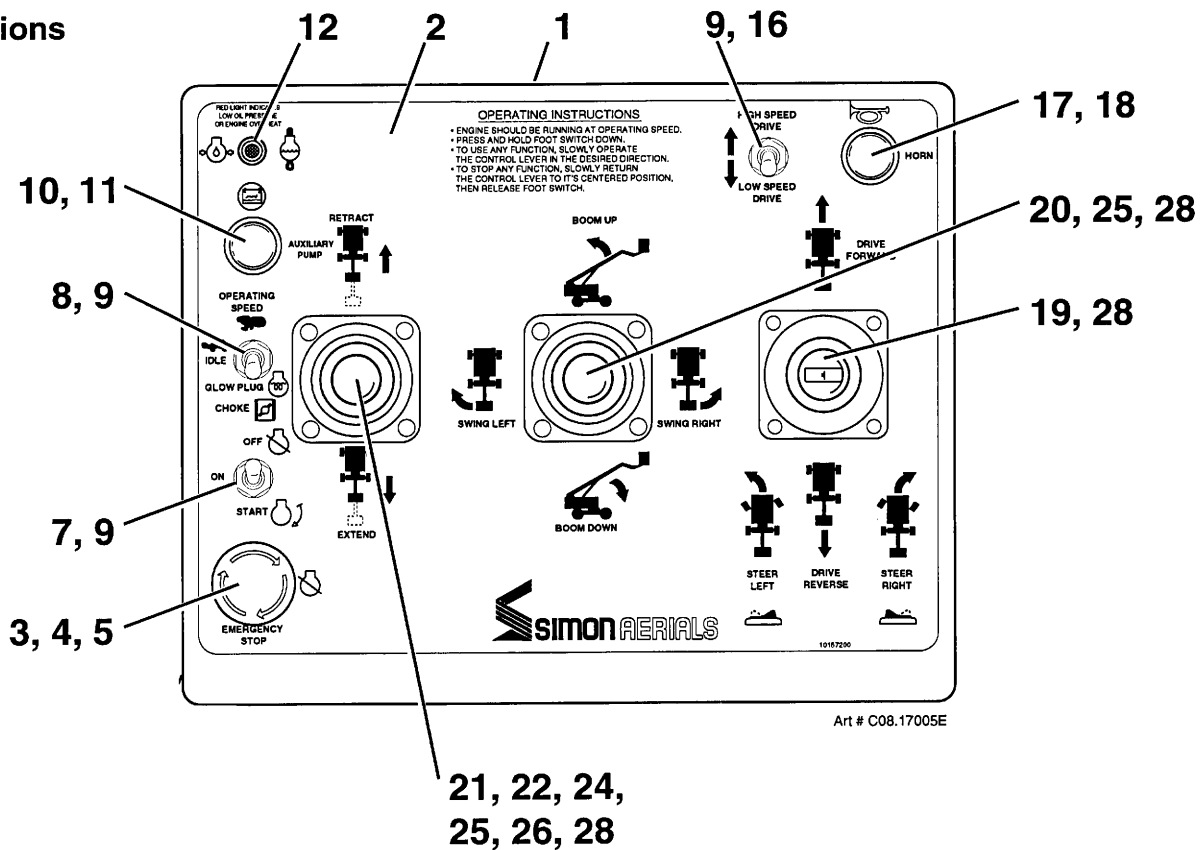
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (1 OF 4)

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

NEW 02 DEC., 1994

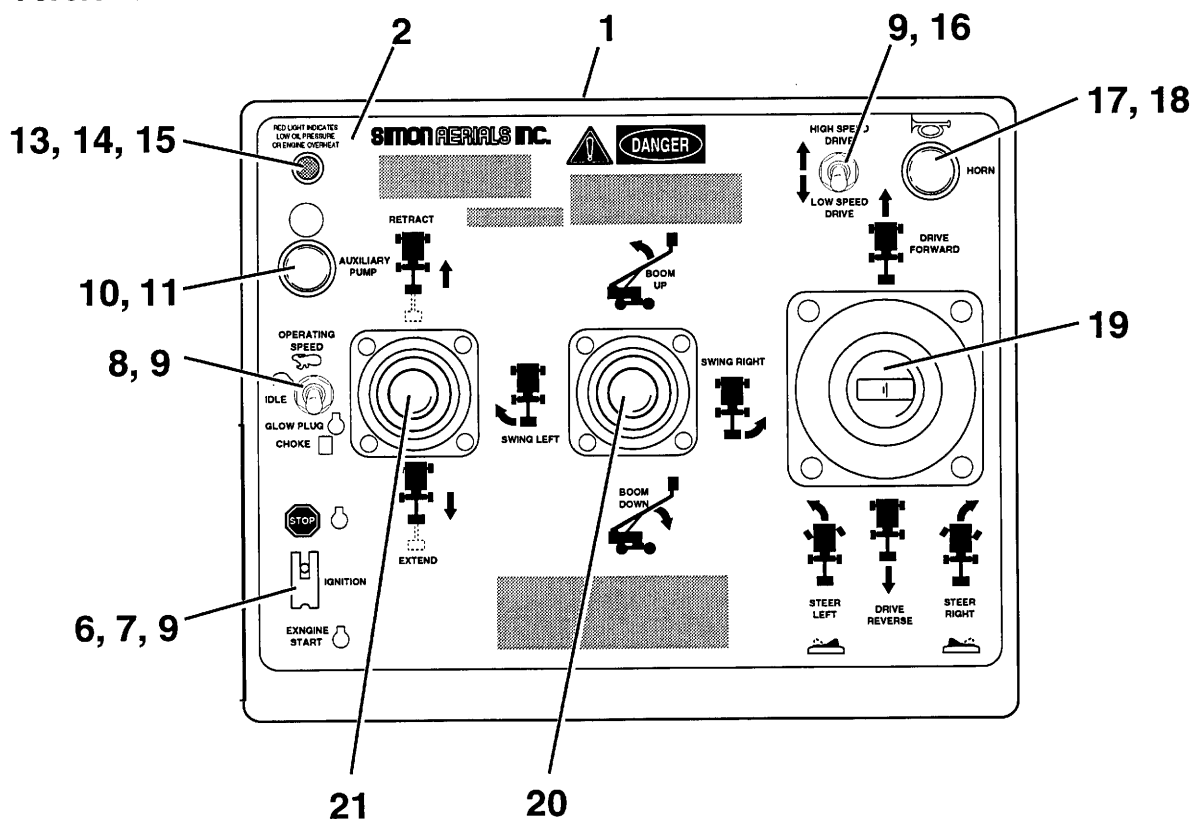
PART NO.

Later Versions



Art # C08.17005E

Earlier Versions



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

SIMON AERIALS INC.

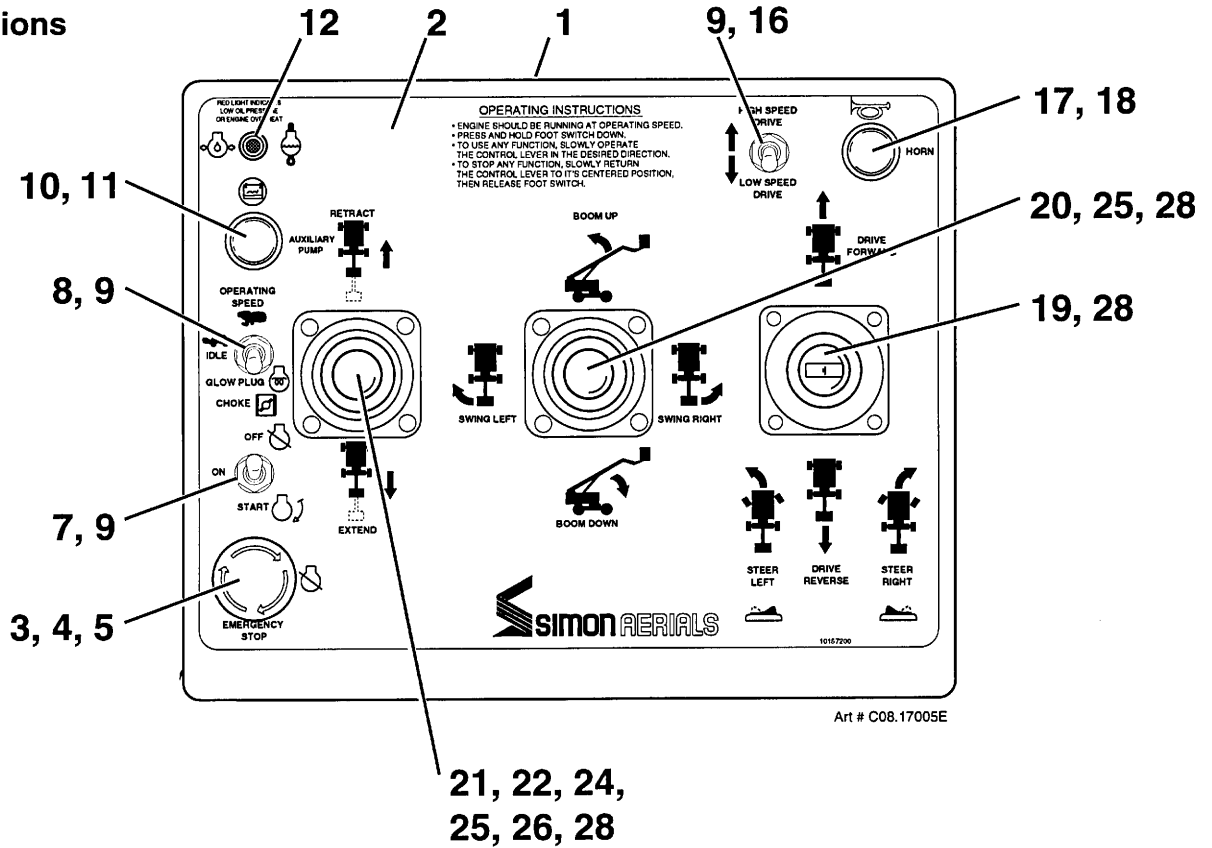
NEW 02 DEC., 1994

PART
NO.

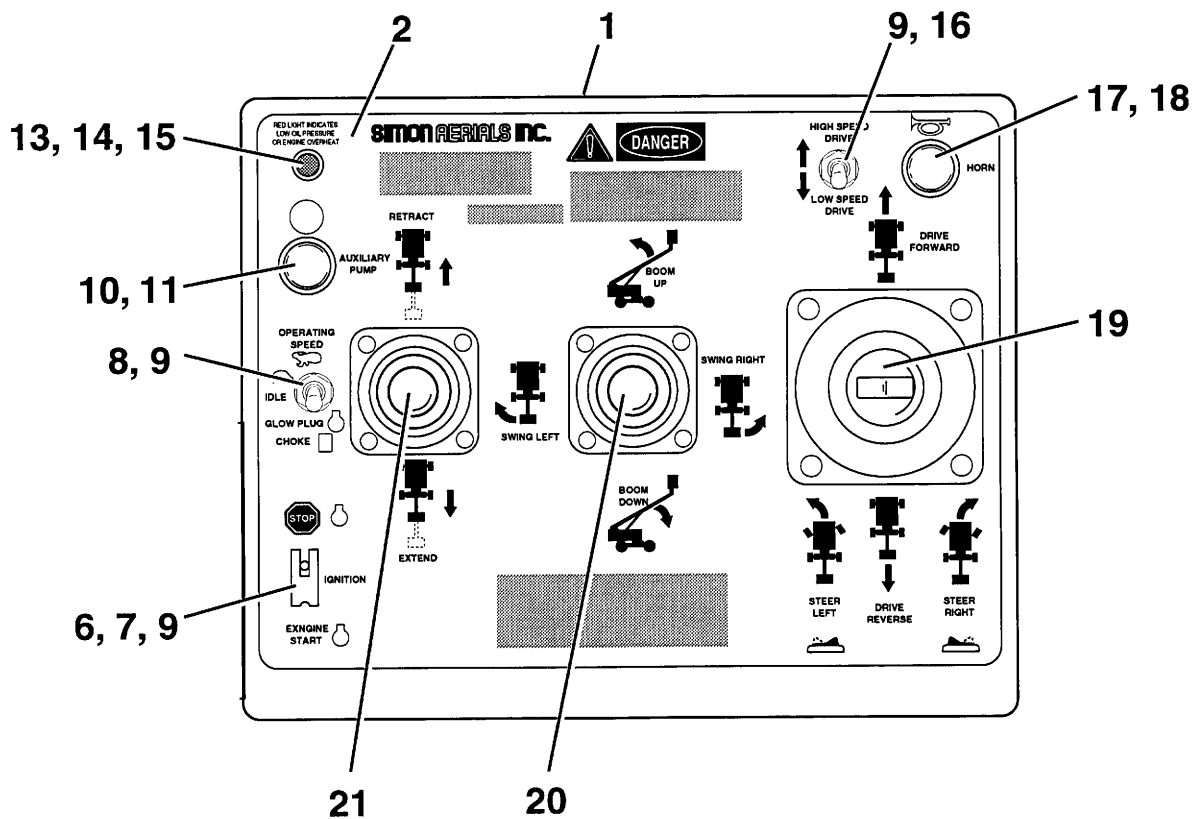
PLATE
NO. C08.17

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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

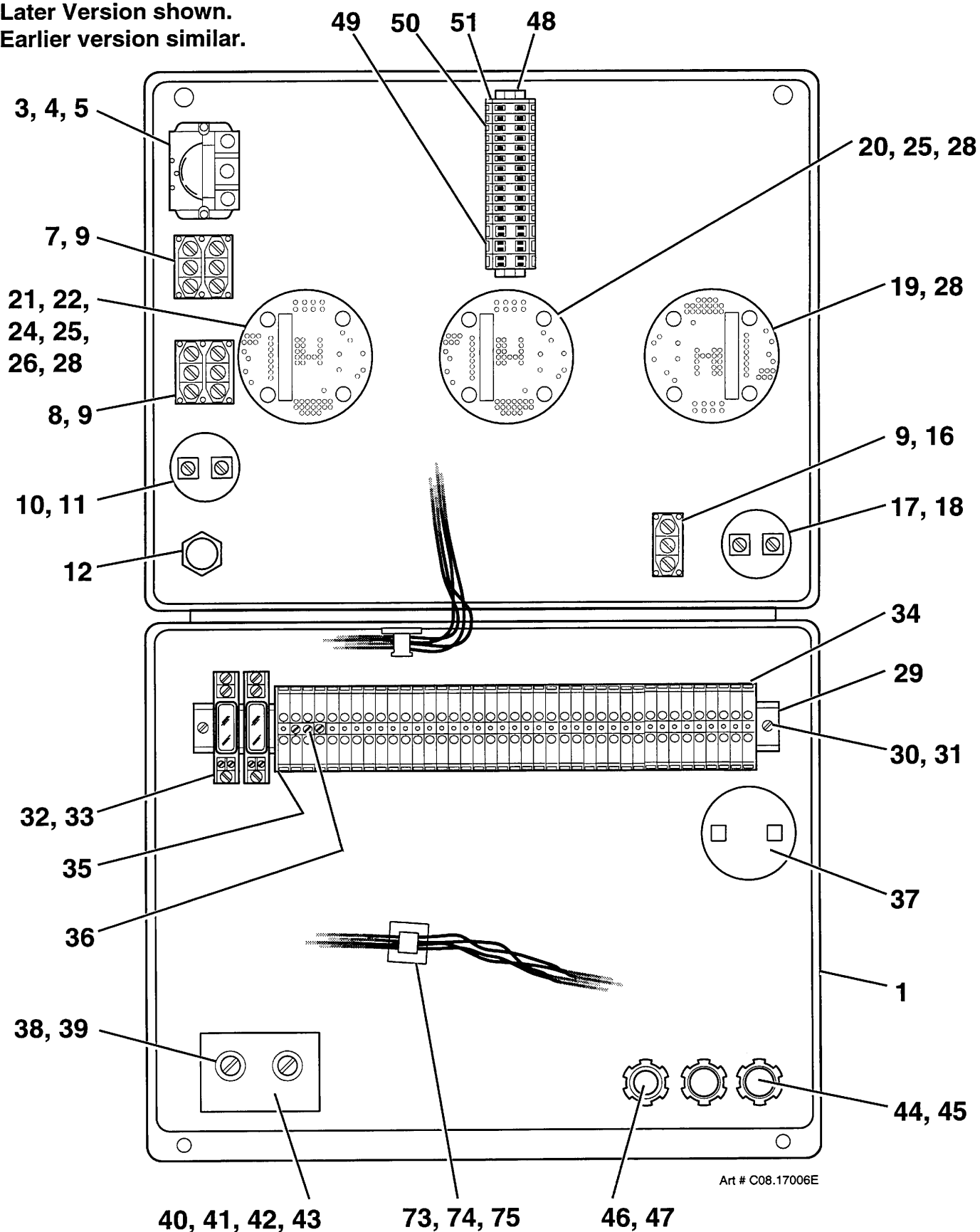
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (3 OF 4)

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.

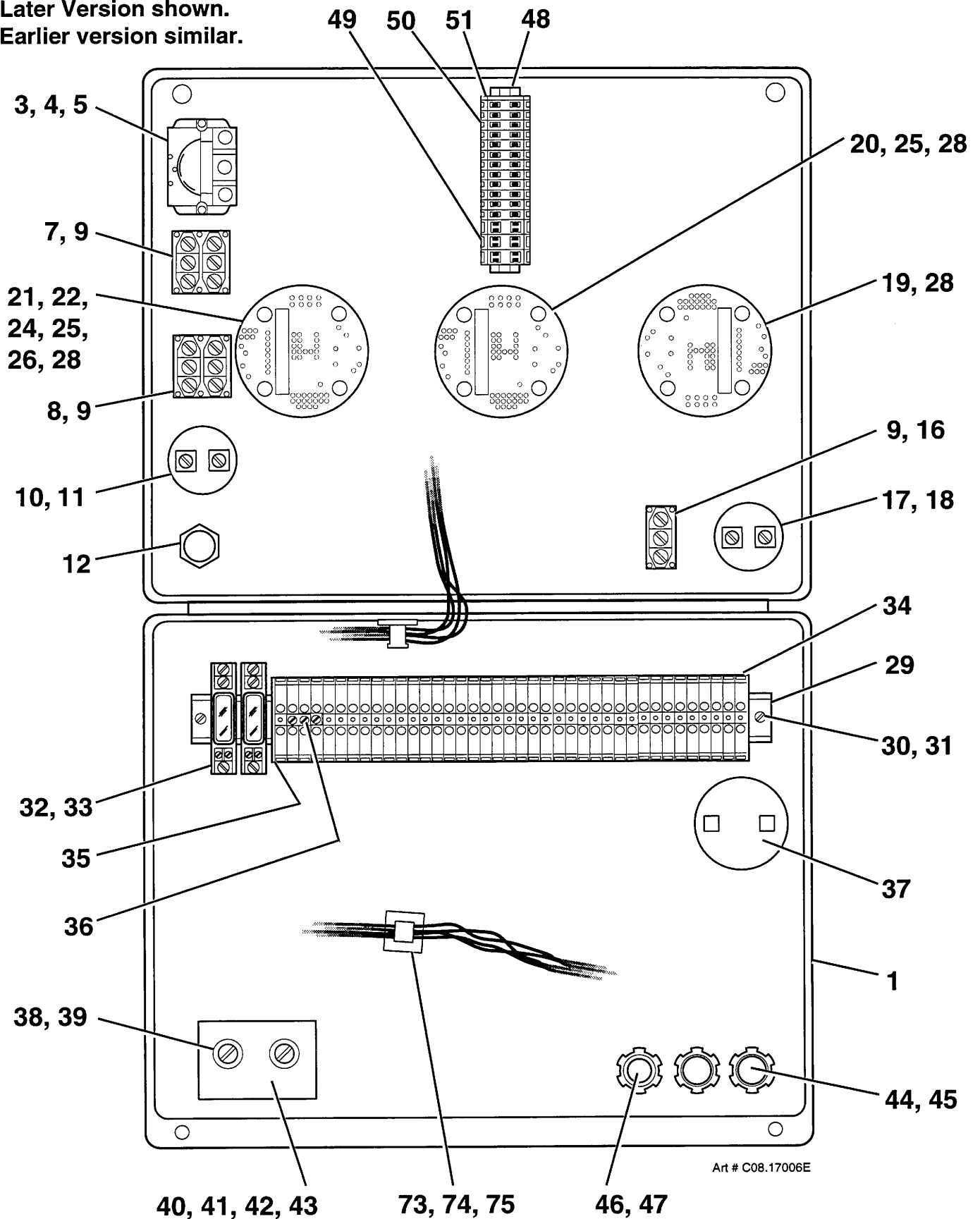
PLATE
NO. C08.17

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

PLATE NO.	C08.17	SIMON AERIALS INC.
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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

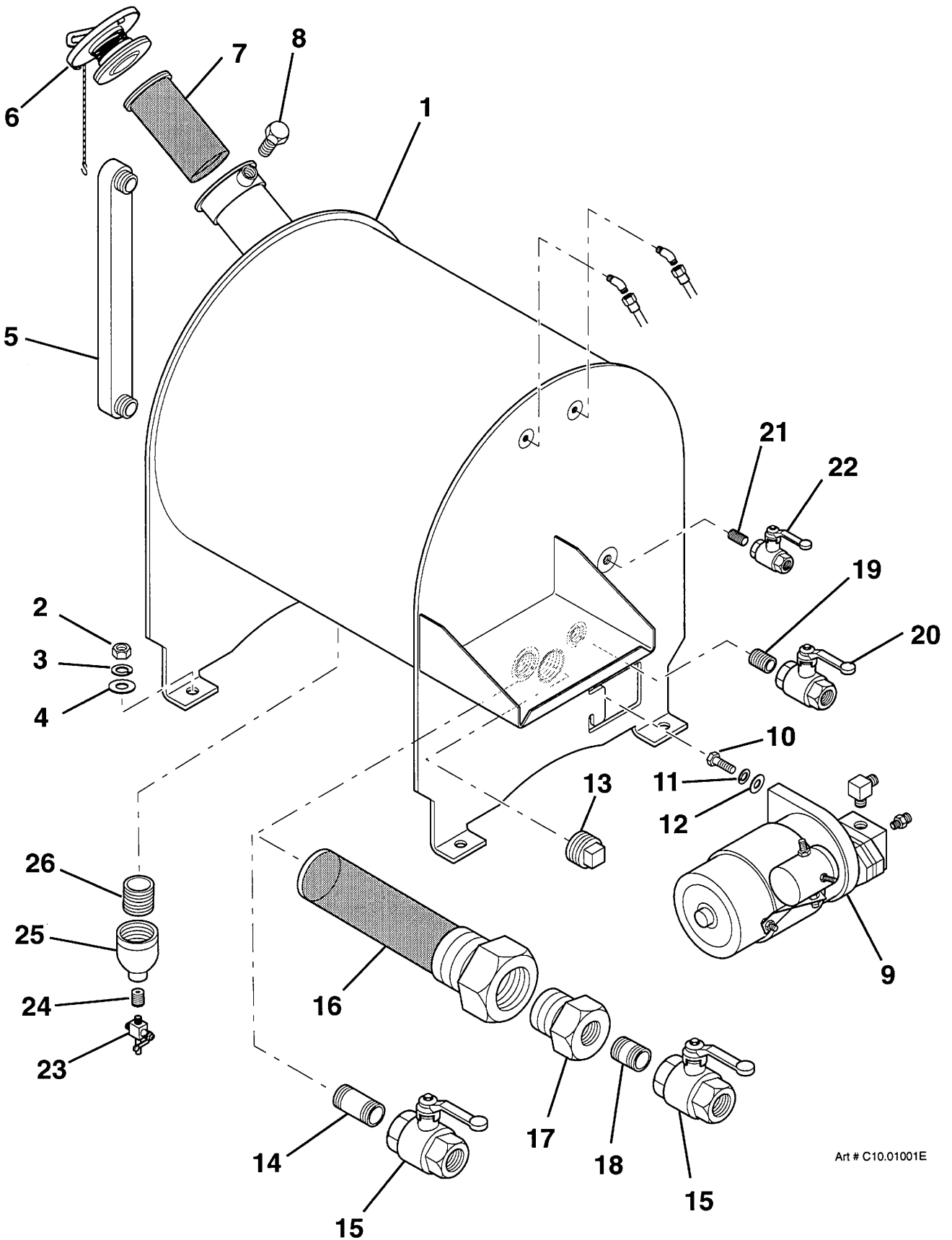
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			TANK, HYDRAULIC (Capacity 35.3 gallons [133.6 liters]) Standard tank: Tank is 32" (.8 M) high x 24-1/4" (.62 M) long: Battery tray measures 7-1/2" x 12-7/8" (190 x 327 mm). Has 1-1/2" and 2" NPT flanges under battery tray. Has no NPT fitting on underside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

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

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

REV. 08 SEP., 1995

PART NO.



Art # C10.01001E

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

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART
NO.

PLATE
NO. **C10.01**

PARTS LIST

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

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

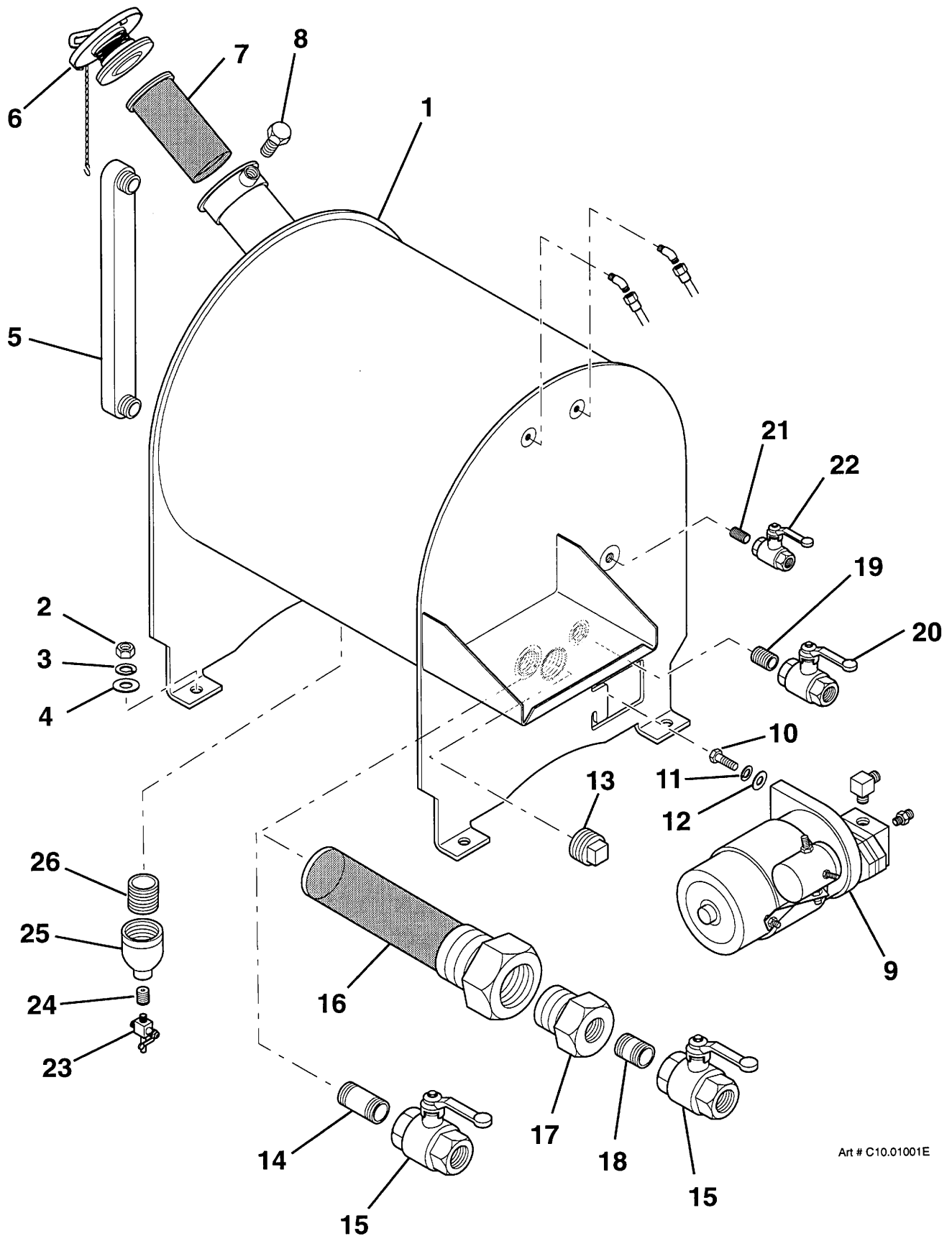
PLATE NO.

C10.01

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART NO.



Art # C10.01001E

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

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART
NO.

PLATE
NO. **C10.01**

PARTS LIST

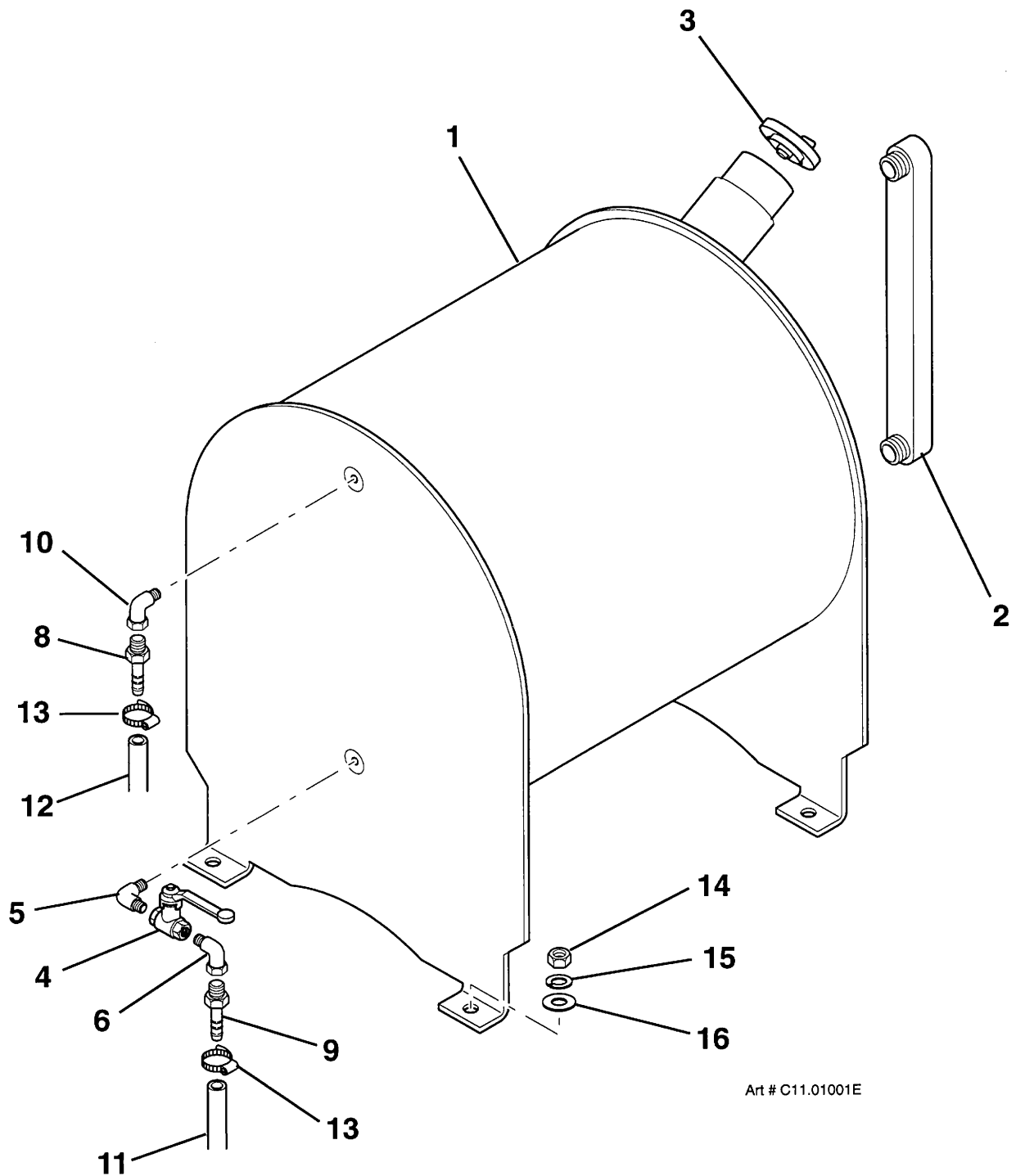
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3500763 3500781		TANK ASSEMBLY, FUEL Standard tank assembly for Gasoline engines Standard tank assembly for Diesel engines	1
1			TANK WELDMENT, FUEL [Capacity 35.3 gallons (133.6 liters)]	1
2	2003034 2097060 10-033800	D12.05	Standard tank: overall height is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

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

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

REV. 29 JUN., 1994

PART NO.



Art # C11.01001E

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

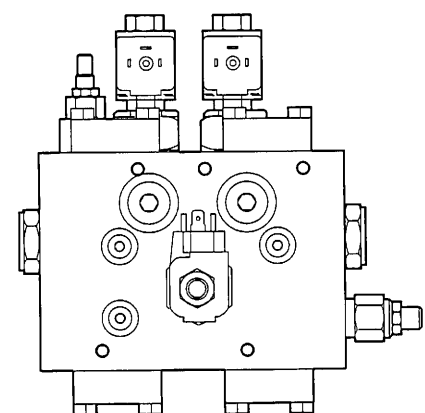
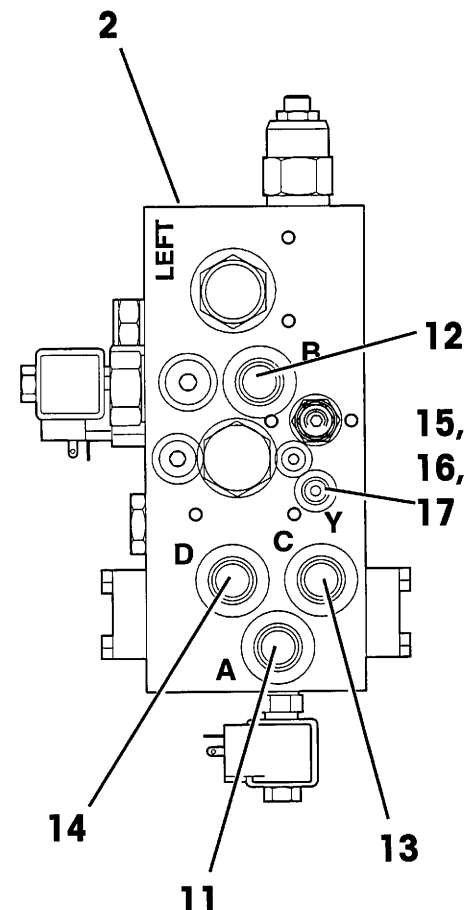
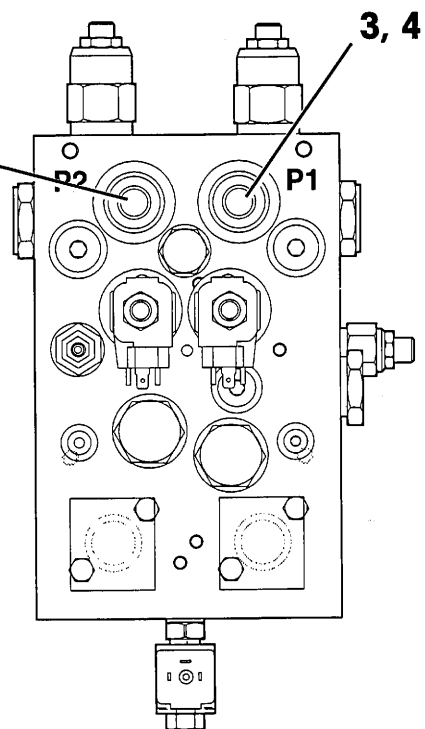
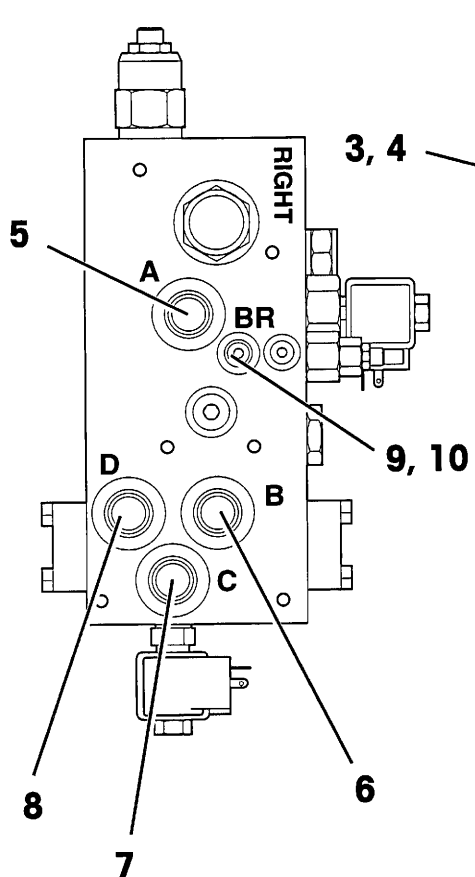
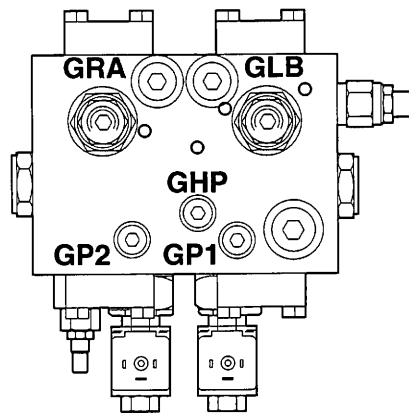
SIMON AERIALS INC.

REV. 29 JUN., 1994

PART
NO.

PLATE
NO. C11.01

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	354 7050		VALVE ASSEMBLY, DRIVE	1	
2	01-238400		VALVE BLOCK ASSEMBLY, DRIVE	1	
3	06-041400		Ports "P1" and "P2": ADAPTER, "O"-RING TO 37° (16 F50X-S)	2	
4	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S) (some earlier versions)	2	
5	06-040800		Port "A" (Right side): ADAPTER, "O"-RING TO 37° (12 F50X-S)	1	
6	06-040800		Port "B" (Right side): ADAPTER, "O"-RING TO 37° (12 F50X-S)	1	
7	06-047400		Port "C" (Right side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1	
8	06-047400		Port "D" (Right side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1	
9	06-039500		Port "BR" (Brake): ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	1	
10	06-054300		RUN TEE, 37° FEMALE SWIVEL NUT (4 R6X-S)	1	
11	06-040800		Port "A" (Left side): ADAPTER, "O"-RING TO 37° (12 F50X-S)	1	
12	06-040800		Port "B" (Left side): ADAPTER, "O"-RING TO 37° (12 F50X-S)	1	
13	06-047400		Port "C" (Left side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1	
14	06-047400		Port "D" (Left side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1	
15	06-044600		Port "Y" (Drain): 90° ELBOW, "O"-RING TO 37° (6 C50X-S)	1	
16	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1	
17	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1	
18	07-003045		The following items are not included with the Drive Valve Assembly: CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4	
19	07-065016		WASHER, HELICAL LOCK (3/8")	4	
20	07-062016		WASHER, FLAT (3/8")	4	
TITLE				DRIVE VALVE ASSEMBLY (FOUR WHEEL DRIVE), MP 60	
SECTION	C12.	PLATE NO.	05	PAGE	01
REV.	-	DATED	10 JUN., 1996	PART NO.	354 7050
				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 # C12.20201E

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE		DRIVE VALVE ASSEMBLY (FOUR WHEEL DRIVE), MP 60			
PART NO.	354 7050	REV.	-	DATED	10 JUN., 1996
SECTION		C12.		PLATE NO.	05
				PAGE	01

PARTS LIST

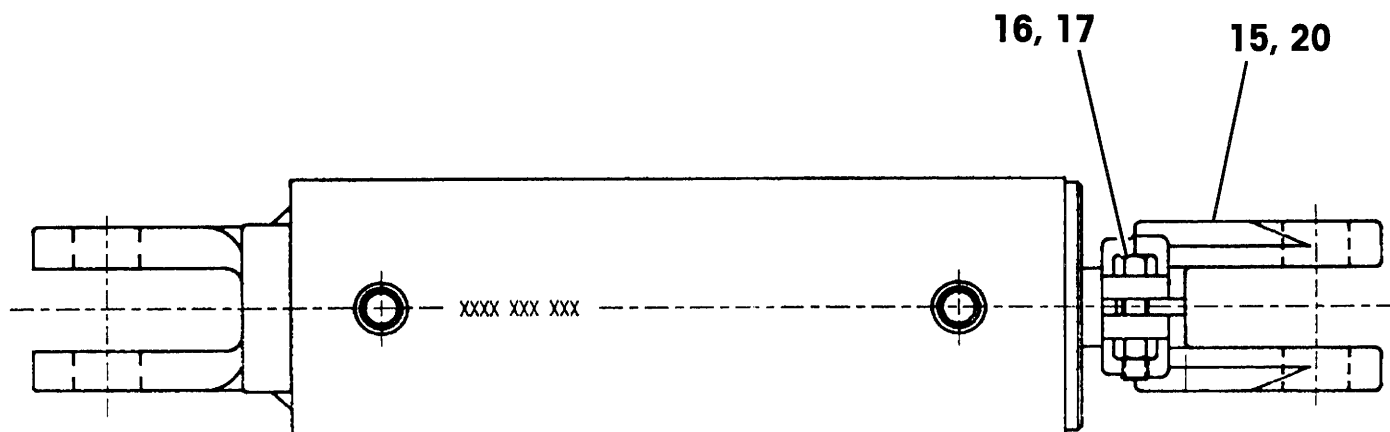
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			STEER CYLINDER ASSEMBLY (7-1/2" [190 mm] stroke, 3-1/2" [89 mm] bore, 1-1/4" [31.8 mm] rod, [2] 9/16"-18 UNF "O"-Ring ports).	
	04-035300 232 8190		Standard cylinder, for all models except as listed below. Modified cylinder (drilled for "L" shaped keeper pins), for models MPH 80, MP 95, MP 110 after Jan., 1994.	1 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

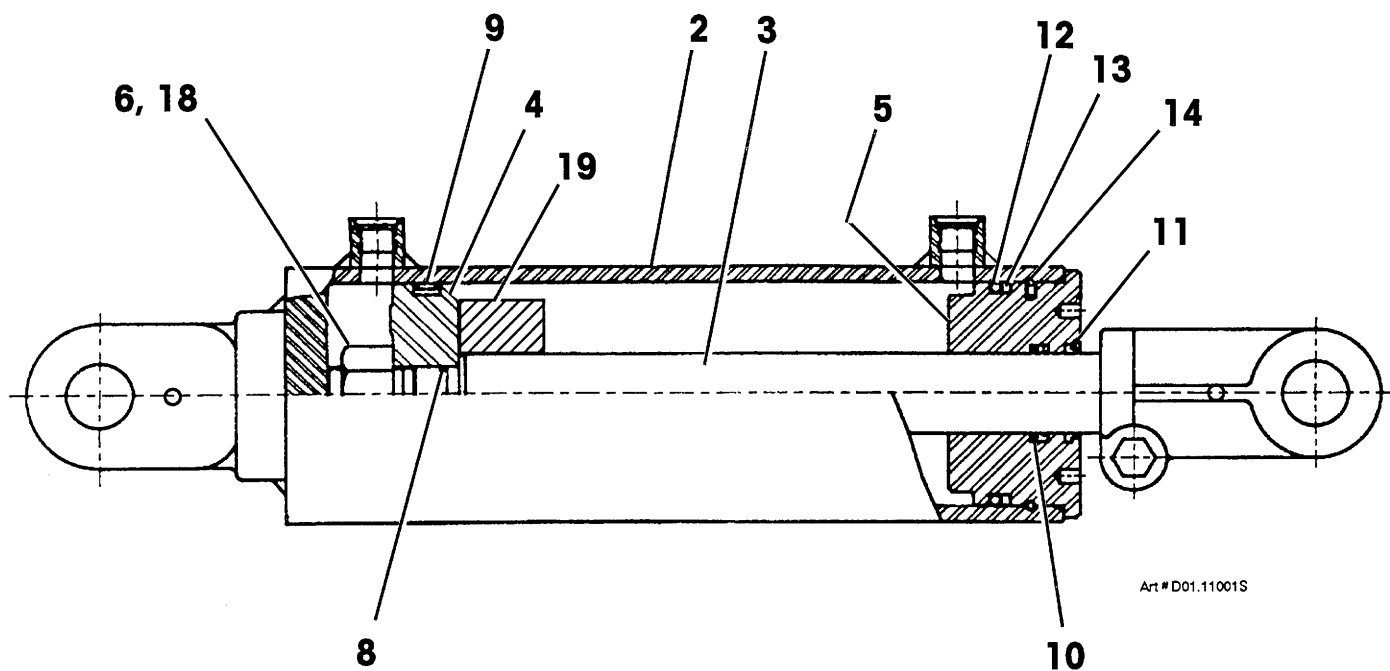
STEER CYLINDER

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

 Simon Aerials Inc.
10600 West Brown Deer Road
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Art # D01.11002S



Art # D01.11001S



Simon Aerials Inc.
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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 or T-80	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

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REV.

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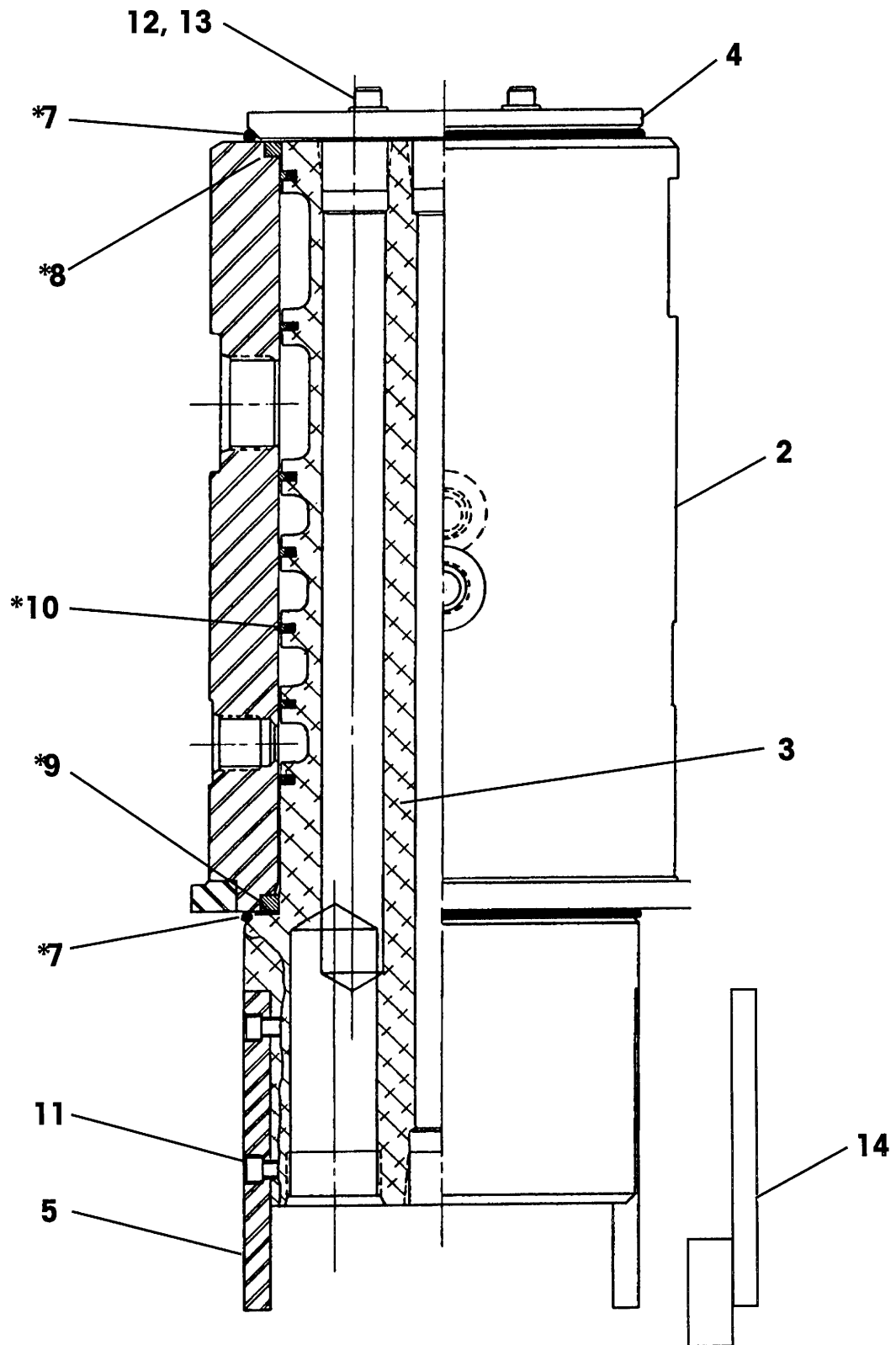
DATED

22 APR., 1996

PART NO.



Simon Aerials Inc.
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Note: Items in service kit identified by asterisk (*)



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TITLE

HYDRAULIC SWIVEL

PART
NO.

REV.
-

DATED
22 APR., 1996

SECTION

D02.

PLATE NO.

01

PAGE

01

PARTS LIST

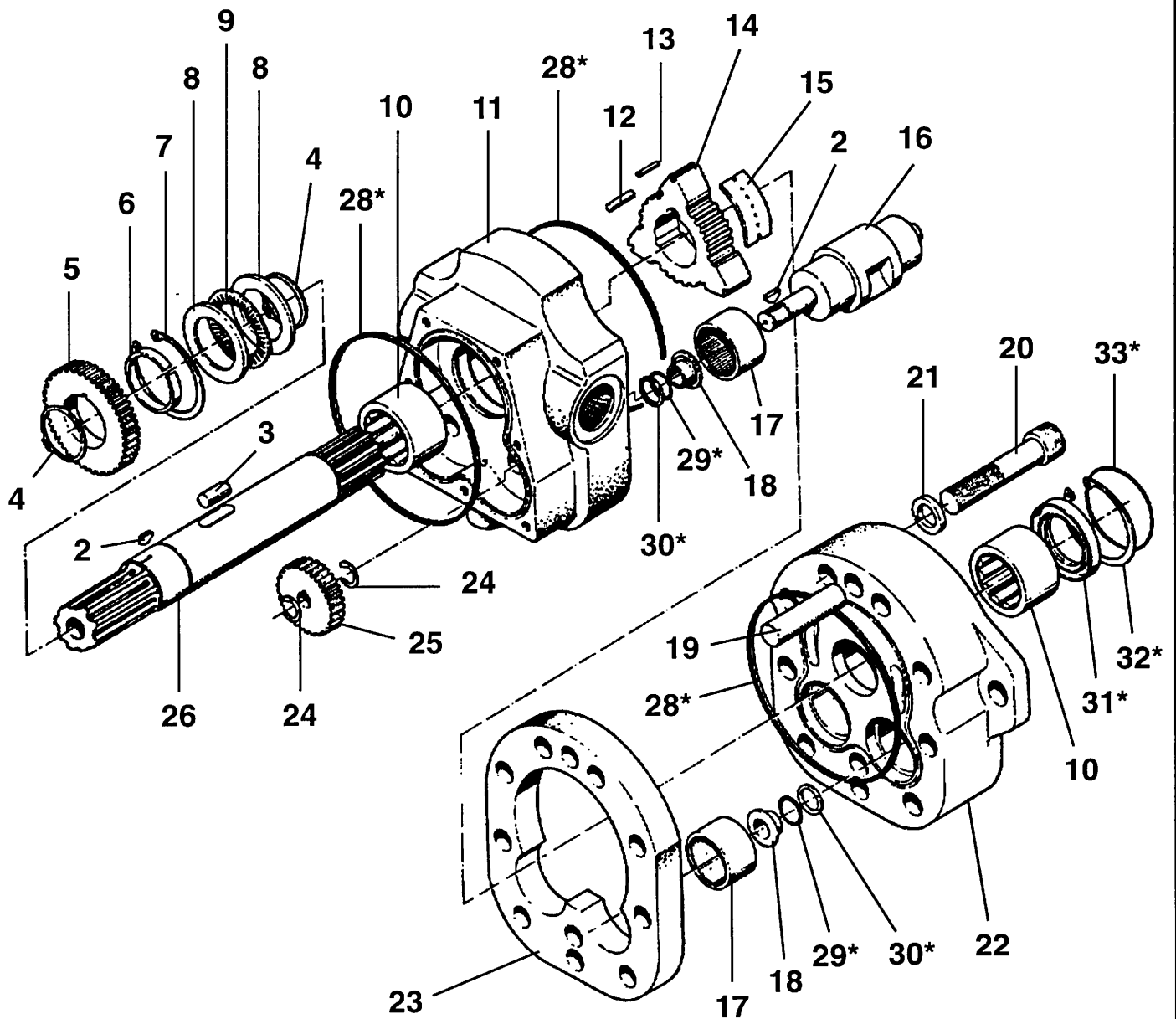
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000446		MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3	01-000421		PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	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



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

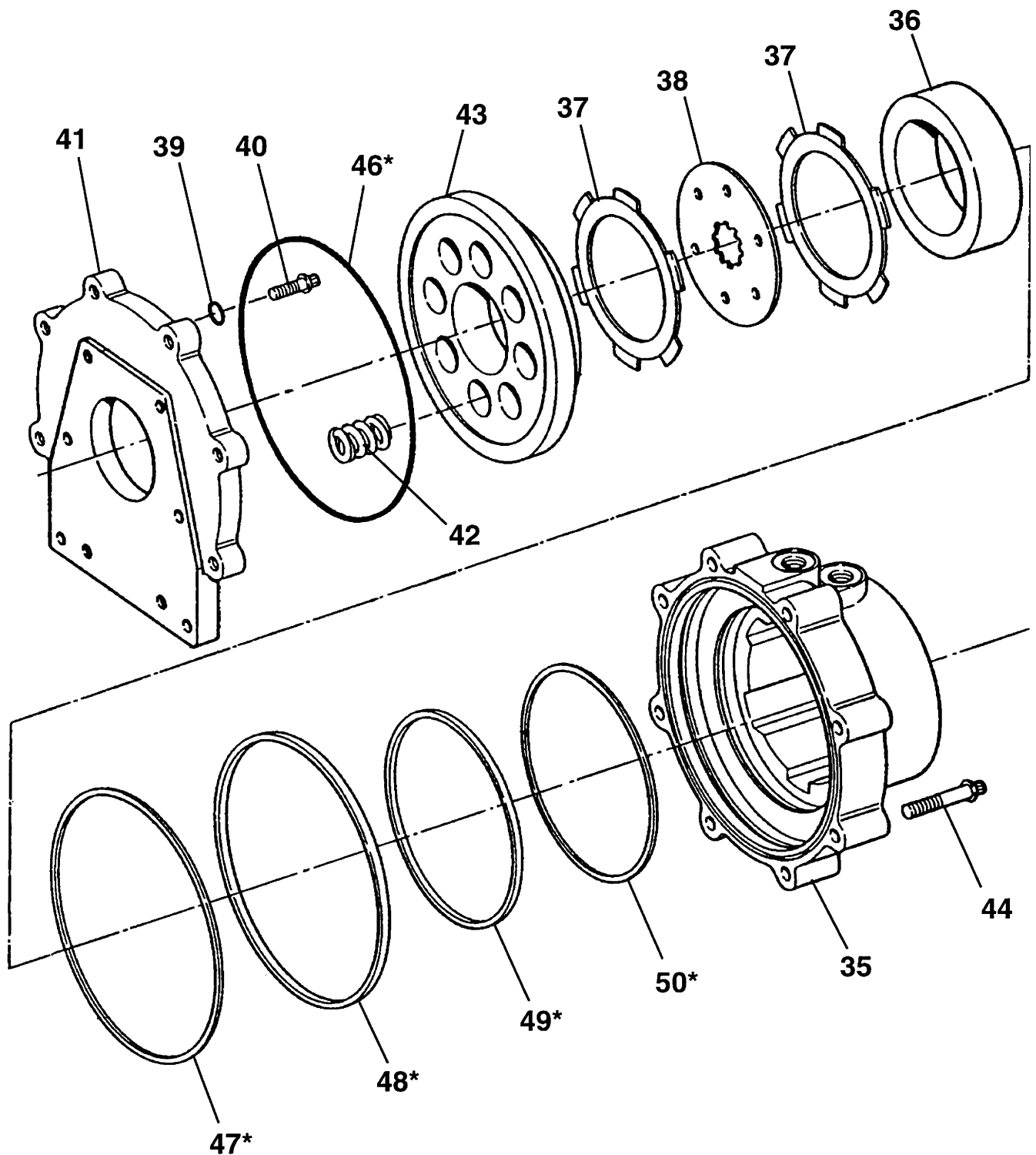
SIMON AERIALS INC.

REV. 7/19/91

PART NO. 01-004800

PLATE NO. D03.02

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TITLE

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

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-004800

PLATE
NO.

D03.02

PARTS LIST

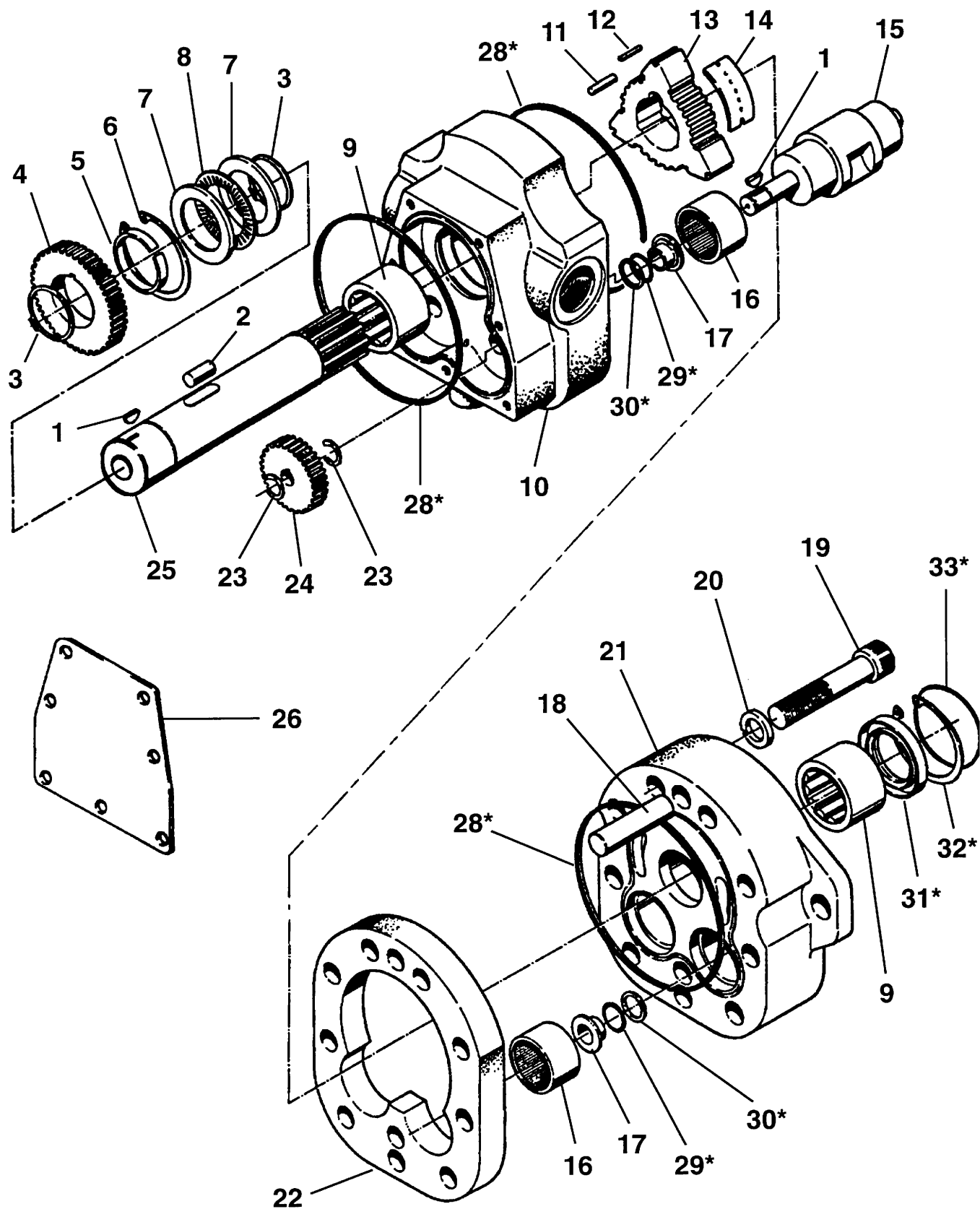
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000430		KEY, WOODRUFF	3
2	01-000421		PIN, DRIVE	1
3	01-000443		RING, RETAINING	2
4	01-000439		GEAR, DRIVE	1
5	01-000431		WASHER, SPACER	1
6	01-000444		RING, RETAINING	1
7	01-000423		RACE, BEARING	2
8	01-000422		BEARING, THRUST	1
9	01-000436		BEARING, NEEDLE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

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

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

REV. 7/19/91

PART NO. 01-003400



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

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-003400

PLATE
NO.

D03.07

PARTS LIST

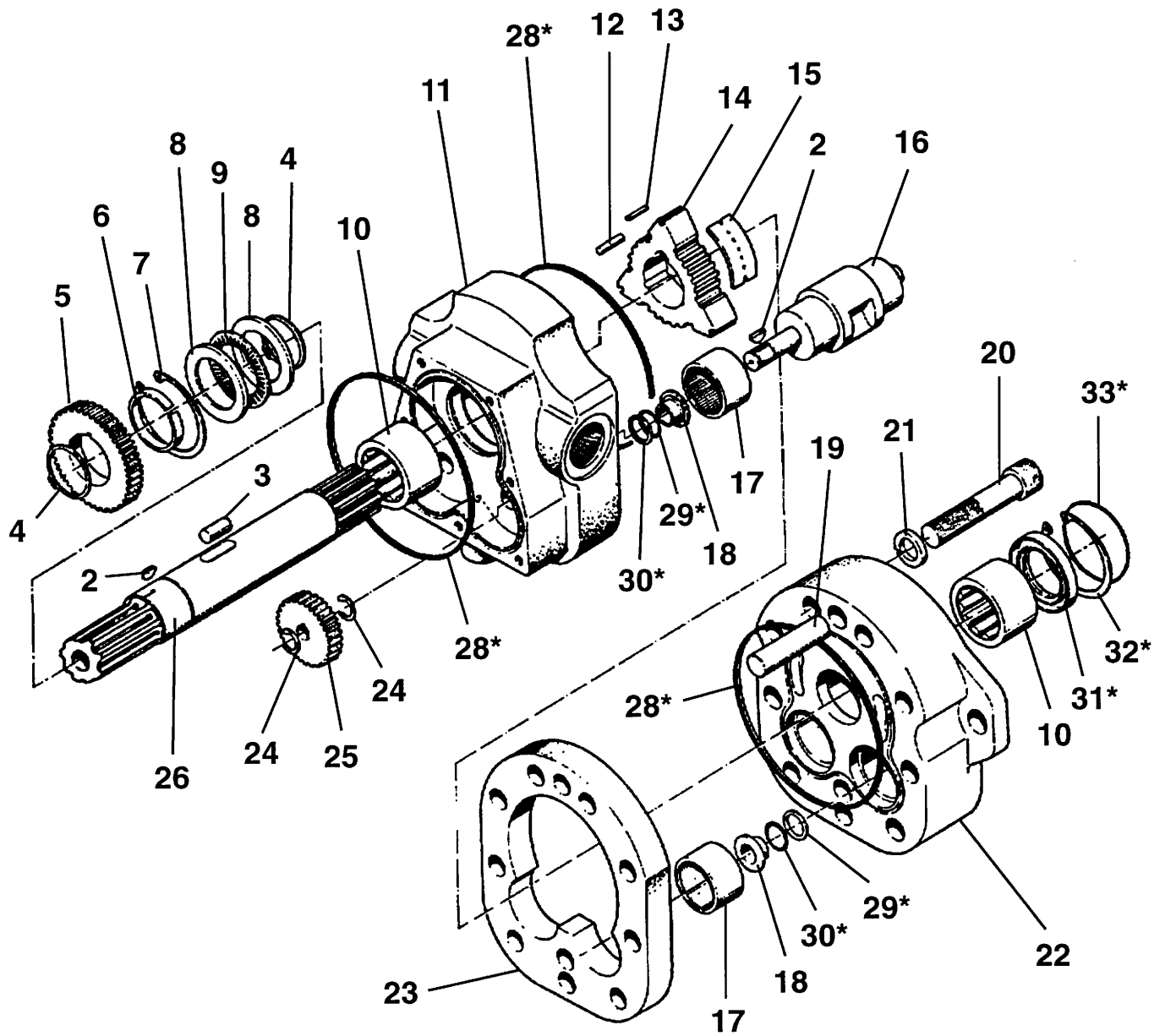
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3			PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	2
9	01-000422		BEARING, 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	01-000401		SEAL KIT, MOTOR	1
28			Note: Items included in seal kit marked by asterisk (*)	
29			SEAL, OIL	3
30	01-000428		"O"-RING	4
31			RING, BACK UP	4
32			SEAL, SHAFT	1
33	01-000445		RING, RETAINING	1
			"O"-RING	1

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

PLATE NO. D03.09 **SIMON AERIALS INC.**

REV. 14 JUN., 1994

PART NO. 01-064200



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

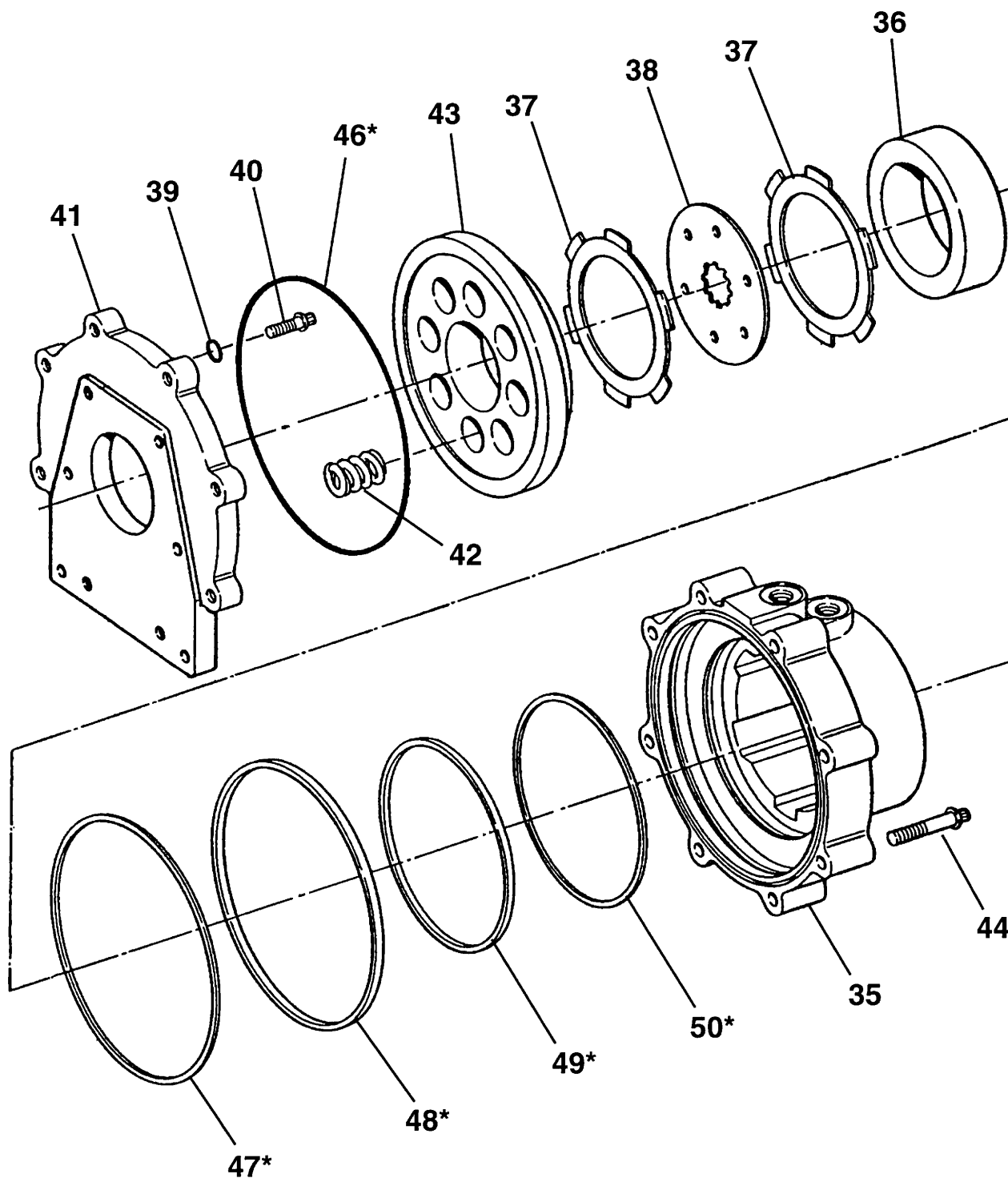
SIMON AERIALS INC.

REV. 14 JUN., 1994

PART NO. 01-064200

PLATE NO. D03.09

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TITLE

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

SIMON AERIALS INC.

REV. 14 JUN., 1994

PART
NO.

01-064200

PLATE
NO.

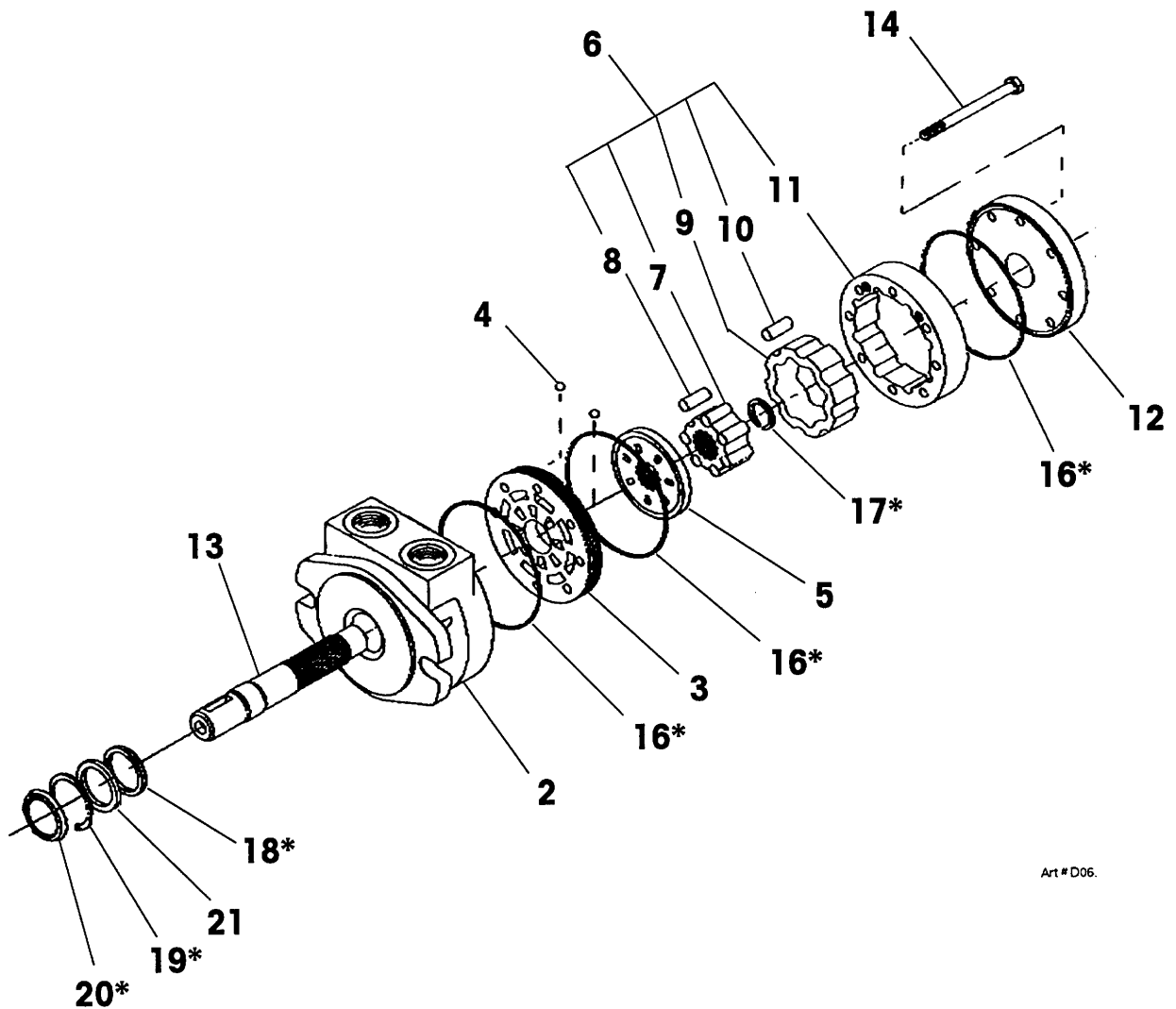
D03.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-215500		MOTOR ASSEMBLY (Motor I.D. tag reads "111A 164 AS 0") (16.4 c.i. [269 c.c.]/ rev. displacement)	1
2			BODY ASSEMBLY, MOTOR (with bearing) (SAE "A", 2 bolt)	1
3			PLATE, COMMUTATOR	1
4			BALL, CHECK VALVE	2
5			VALVE, ROTARY	1
6			ROTOR ELEMENT (IGR Assembly)	1
7			ROTOR, INNER	1
8			ROLL, SEALING	A.R.
9			ROTOR, OUTER	1
10			ROLLER, ANTI-ROTATION	A.R.
11			RING, LOCATING	1
12			COVER ASSEMBLY (with bearing)	1
13	01-215502		SHAFT (1" SAE 6B spline)	1
14			CAP SCREW, HEX HEAD (5/16"-24)	8
15	01-215501		SEAL KIT Note: Items in seal kit identified by asterisk (*).	1
16			SEAL, SQUARE RING (7/16")	3
17			RING, SNAP	1
18			SEAL, LIP	1
19			RING, SNAP	1
20			SEAL, DUST	1
21			RING, BACKUP	1
TITLE			SWING MOTOR	
SECTION	D06.	PLATE NO. 12	PAGE 01	REV. - DATED 19 JUL., 1994 PART NO. 01-215 500



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Art # D06.



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TITLE

SWING MOTOR

PART NO. 01-215 500

REV. -

DATED 19 JUL., 1994

SECTION D06.

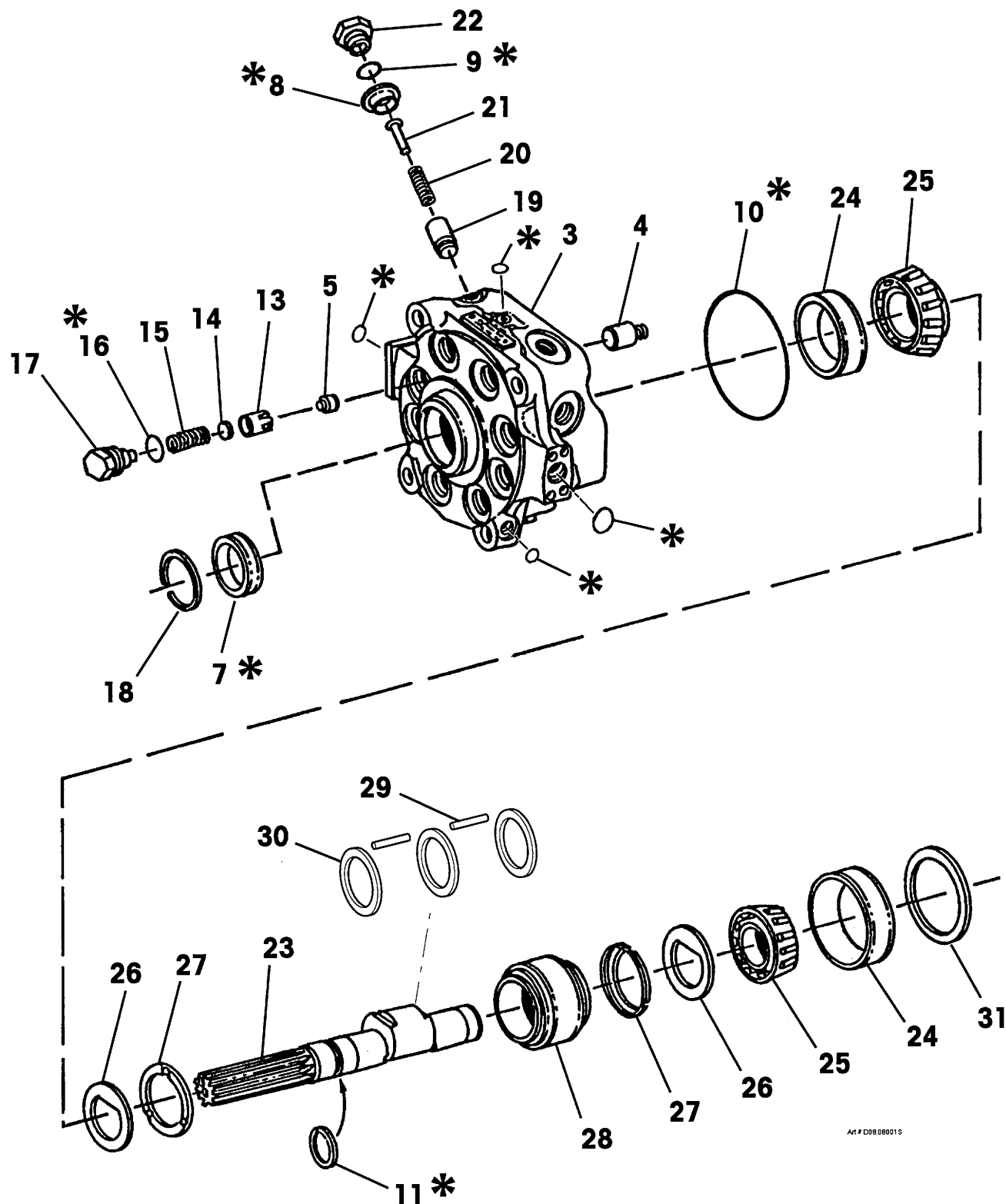
PLATE NO. 12

PAGE 01

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.		PART NO. 01-027200
		REV. 08 OCT., 1993		

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "*ROPV 312 XXXXXX*" and "24 71 R11531")	1
	01-206900			
	01-019500		HPR 50 (marked "*ROPV 322 XXXXXX*" and "24 72 R11531")	
	01-018700		HPR 65 (marked "*ROPV 332 XXXXXX*" and "24 73 R11531")	
2			HOUSING ASSEMBLY, PUMP	1
3			HOUSING, PUMP	1
4	01-019519		VALVE, INLET	8
5	01-019518		SEAT, DISCHARGE VALVE	8
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
7	01-002605	*	SEAL, OIL	1
8		*	SHIELD (plastic)	8
9	01-019512	*	"O"-RING	8
10	01-018704	*	"O"-RING, CENTER HUB	1
11	01-018705	*	RING, SEALING	1
12			VALVE, DISCHARGE	8
13	01-019517		GUIDE, VALVE	1
14	01-018715		DISC, DISCHARGE VALVE	1
15	01-019516		SPRING	1
16	01-019515	*	"O"-RING	1
17			PLUG, DISCHARGE VALVE	1
18	01-019503		RING, SNAP	1
19	01-019514		PISTON	8
20	01-019513		SPRING, PISTON	8
21	01-019520		PIN, COOLING	8
22			PLUG, PISTON	8
23			SHAFT, PUMP	1
	01-019506		for Model HPR 40	
	01-018708		for Model HPR 50	
			for Model HPR 65	
24	01-019504		CUP, PUMP SHAFT BEARING	2
25	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2
26	01-018710		SPACER	2
27	01-019510		WASHER, THRUST	2
28	01-019508		RACE, BEARING	1
29	01-019507		ROLLER, NEEDLE	50
30	01-019521		SPACER, NEEDLE ROLLER	3
31	01-019509		SHIM (0.15 mm)	A.R.
			SHIM (0.25 mm)	A.R.
TITLE			HYDRAULIC PUMP ASSEMBLY	
SECTION	D08.	PLATE NO.	13	PAGE
			01	REV.
			A	DATED
				08 OCT., 1996
			PART NO.	

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



Art # D0808015

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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

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DATED

08 OCT., 1996

SECTION

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PAGE

01

PARTS LIST

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

TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

SECTION

D08.

PLATE NO.

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02

REV.

A

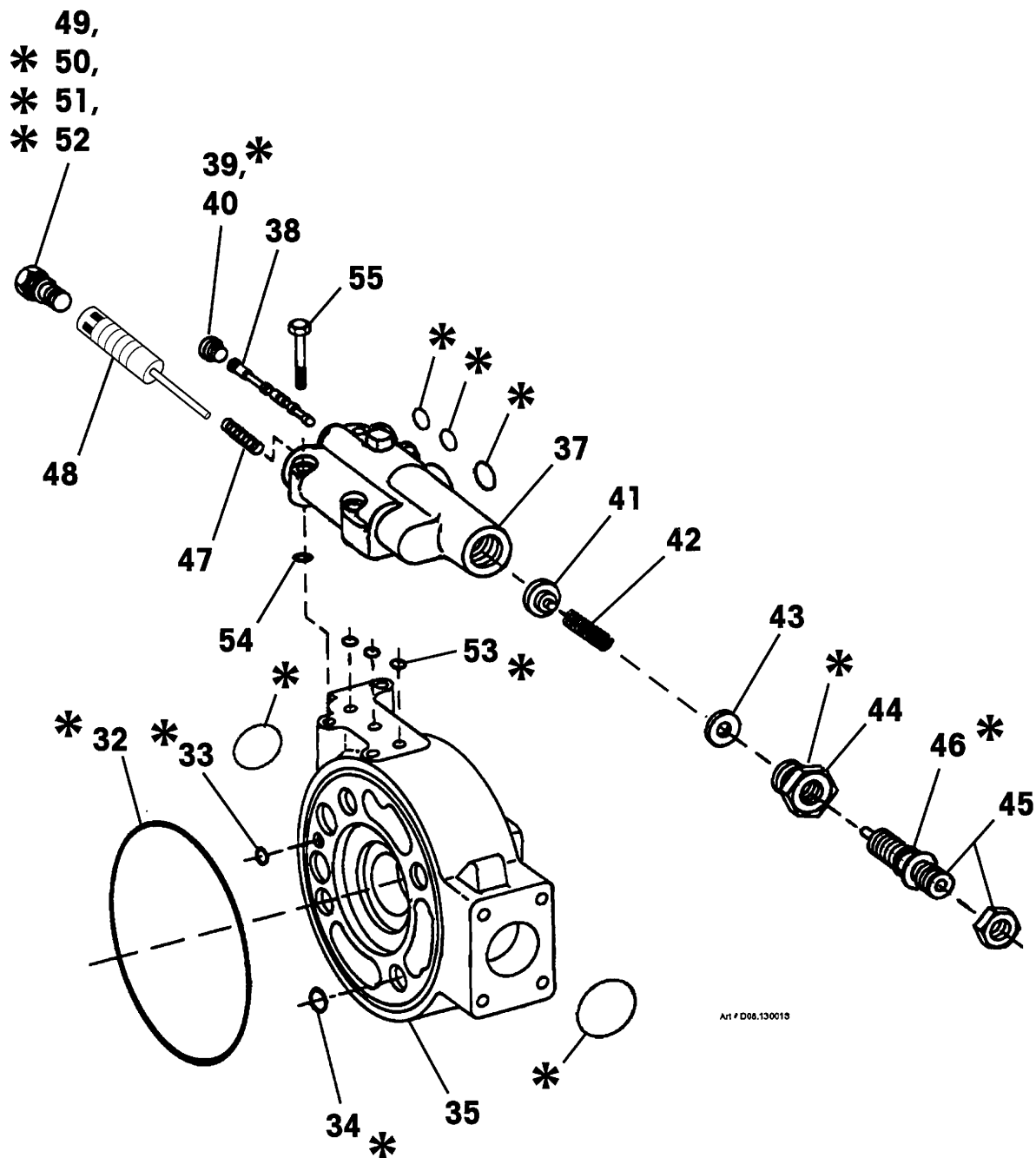
DATED

08 OCT., 1996

PART
NO.

Simon Aerials Inc.

10600 West Brown Deer Road
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Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



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TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

02

PARTS LIST

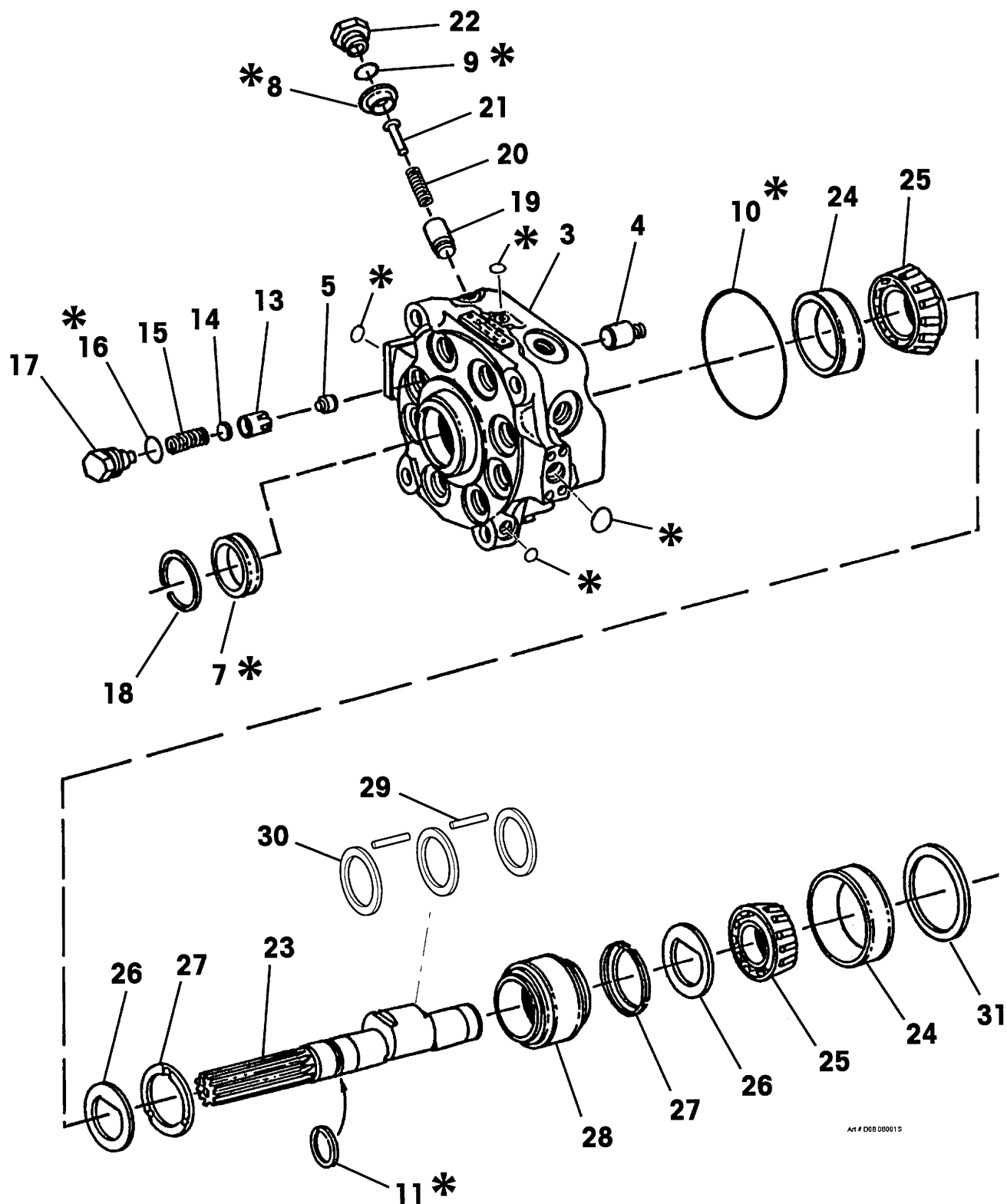
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Hydraulic Pump:	
			Suction Fittings:	
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose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

TITLE

HYDRAULIC PUMP ASSEMBLY

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

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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

03

PARTS LIST

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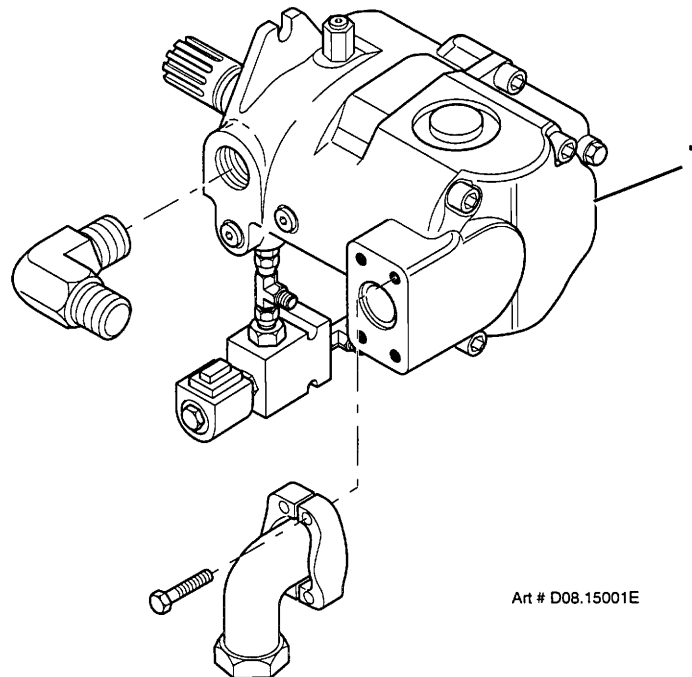
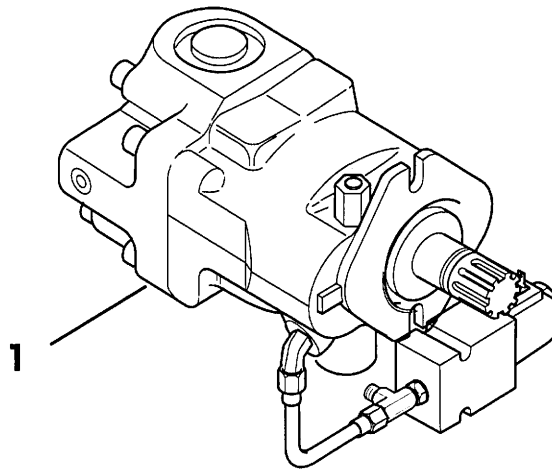
TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION	D08.	PLATE NO.	15	PAGE	01	REV.	-	DATED	24 JAN., 1996	PART	NO.
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Art # D08.15001E



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TITLE

HYDRAULIC PUMP ASSEMBLY

PART
NO.

REV.
-

DATED
24 JAN., 1996

SECTION

D08.

PLATE NO.

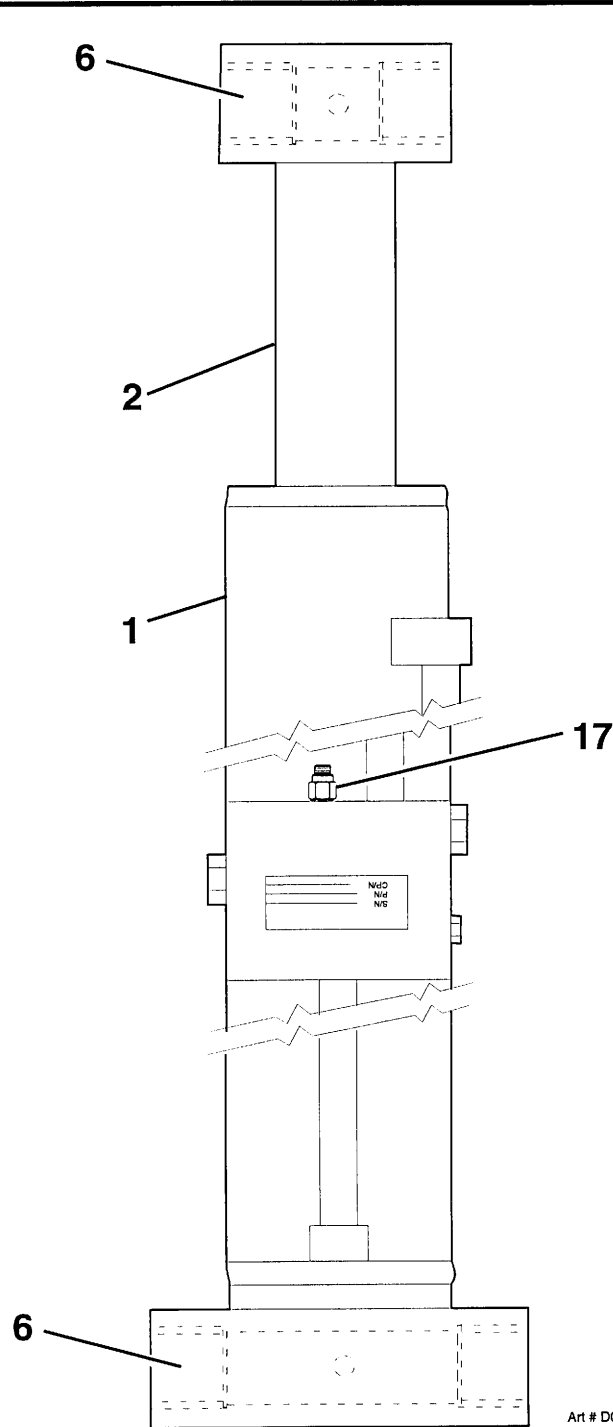
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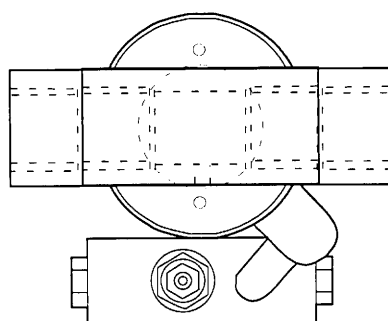
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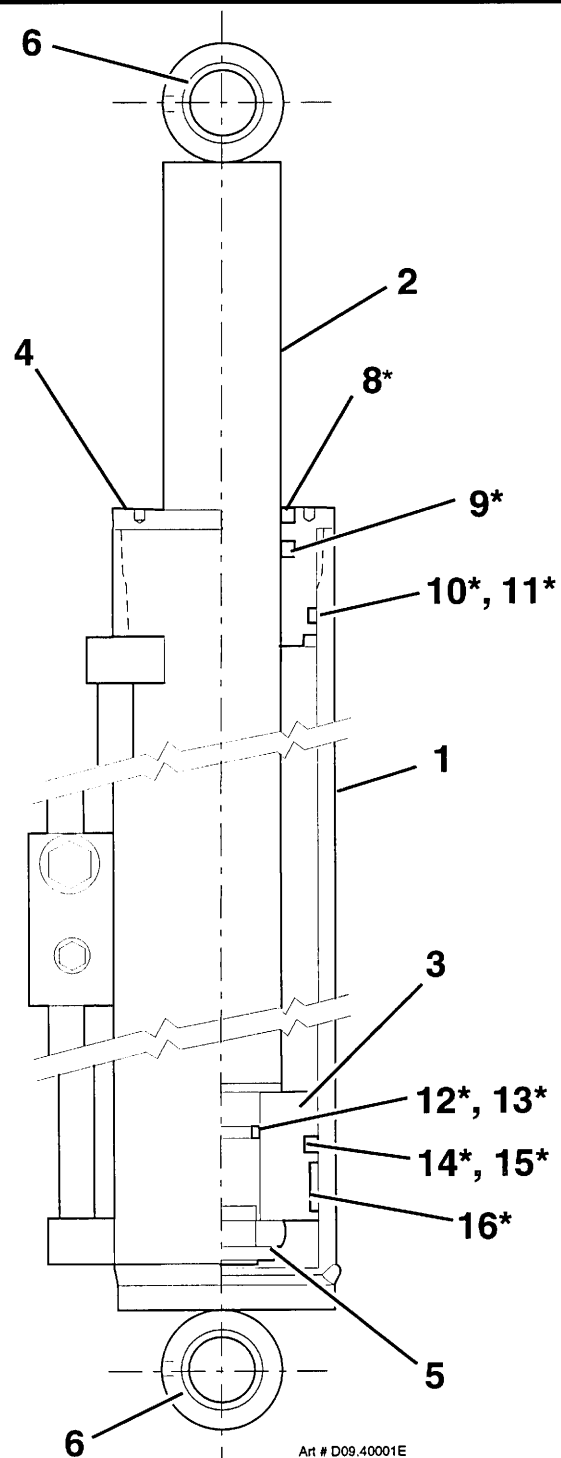
PLATE NO.	D09.41	SIMON AERIALS INC.	REV. 15 FEB., 1995	PART NO.	04-036000
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Art # D09.400002



Art # D09.40003E



Art # D09.40001E

Note:

67.5" (1.71 M) fully retracted,
116" (2.95 M) fully extended (ref.)

TITLE

LIFT CYLINDER, 48.5" (1.23 M) STROKE

SIMON AERIALS INC.

REV. 15 FEB., 1995

PART
NO.

04-036000

PLATE
NO.

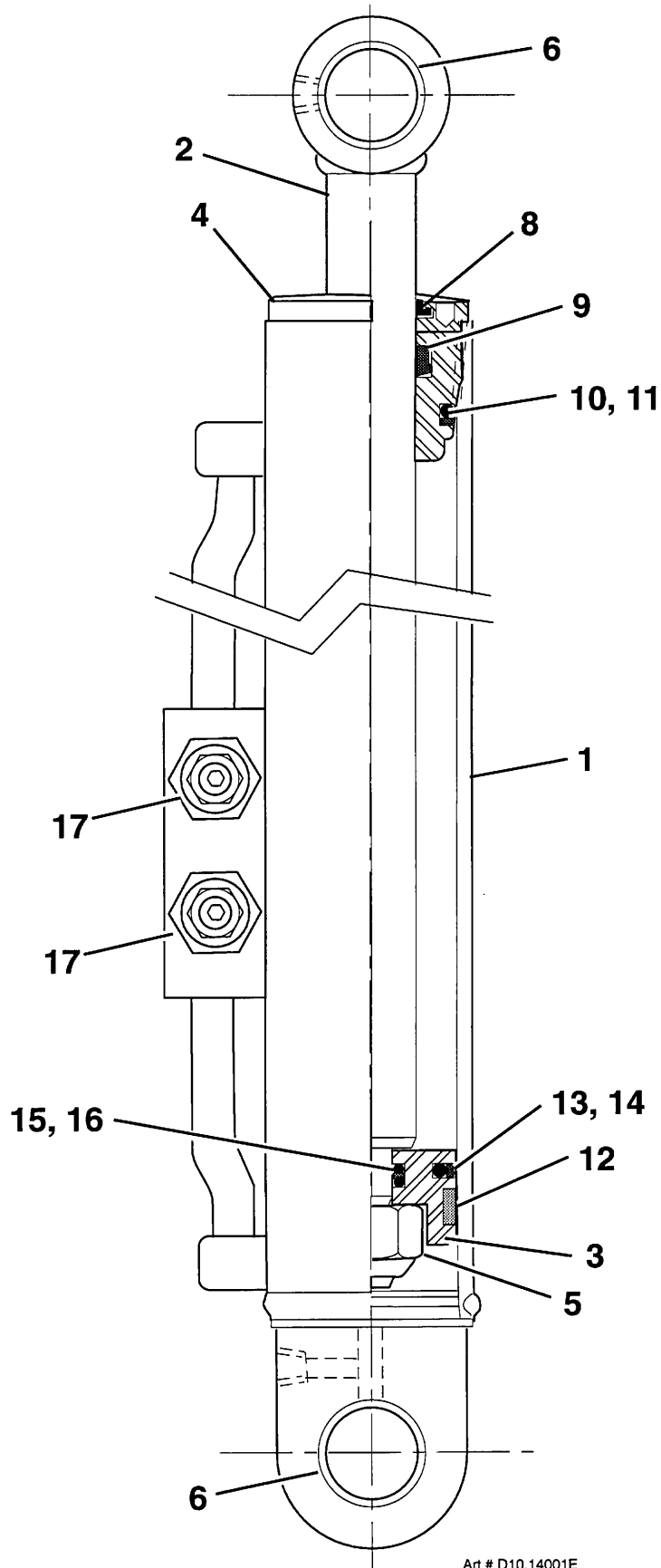
D09.41

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SIMON AERIALS INC.

NEW 27 APR., 1994

PART NO.	04-035500
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Art # D10.14001E

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

SIMON AERIALS INC.

NEW 27 APR., 1994

PART NO. 04-035500

PLATE NO. D10.14

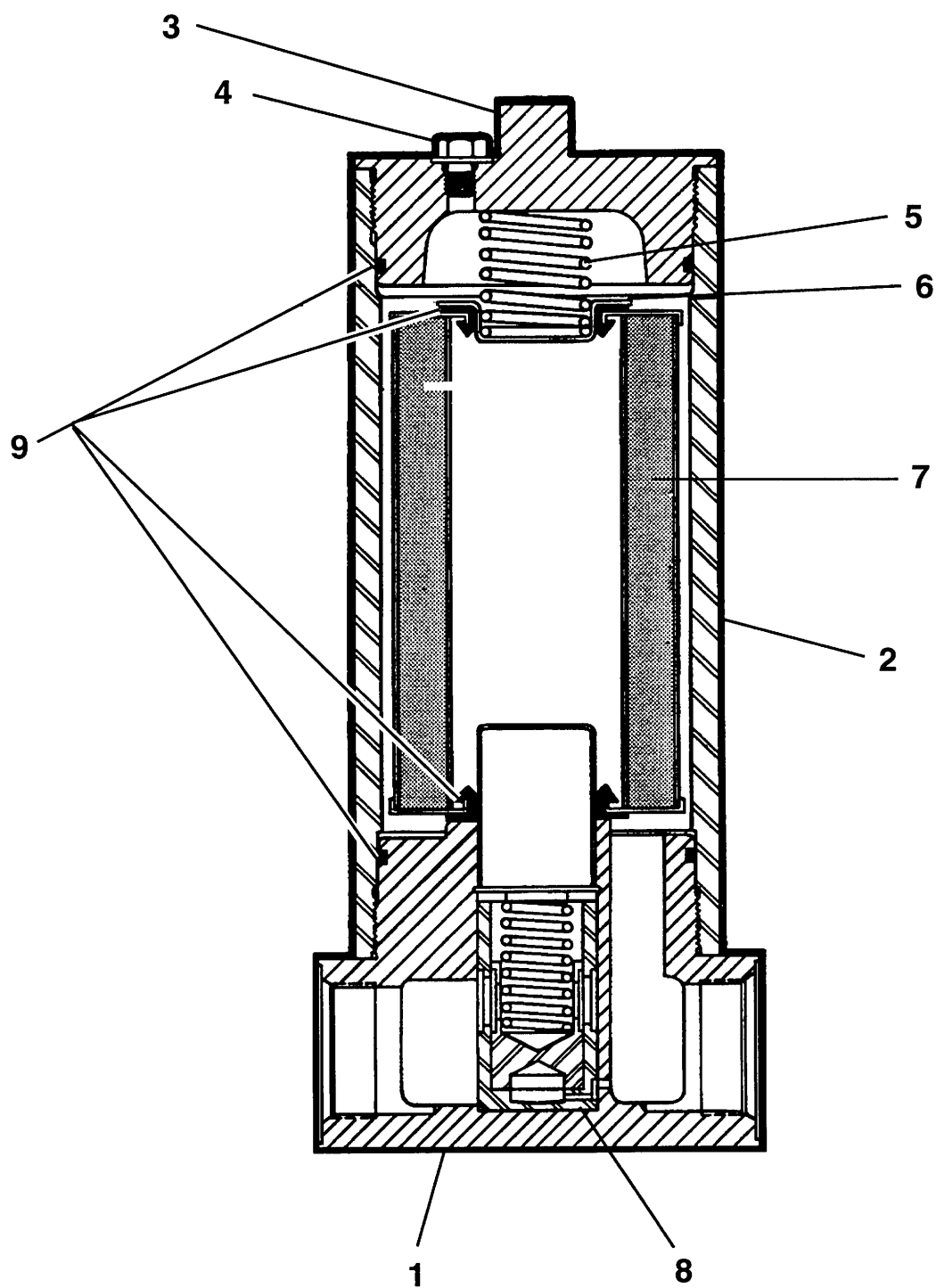
PARTS LIST

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TITLE HIGH PRESSURE FILTER

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

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

01-014000

PLATE
NO.

D11.03

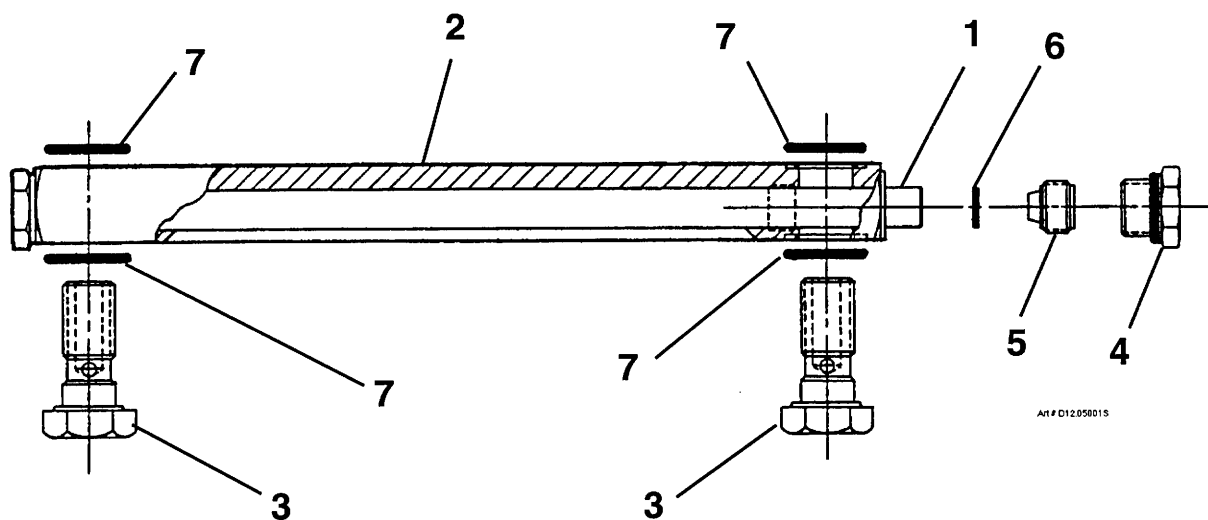
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SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART NO. 10-033800



Art # D12058015

TITLE

SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

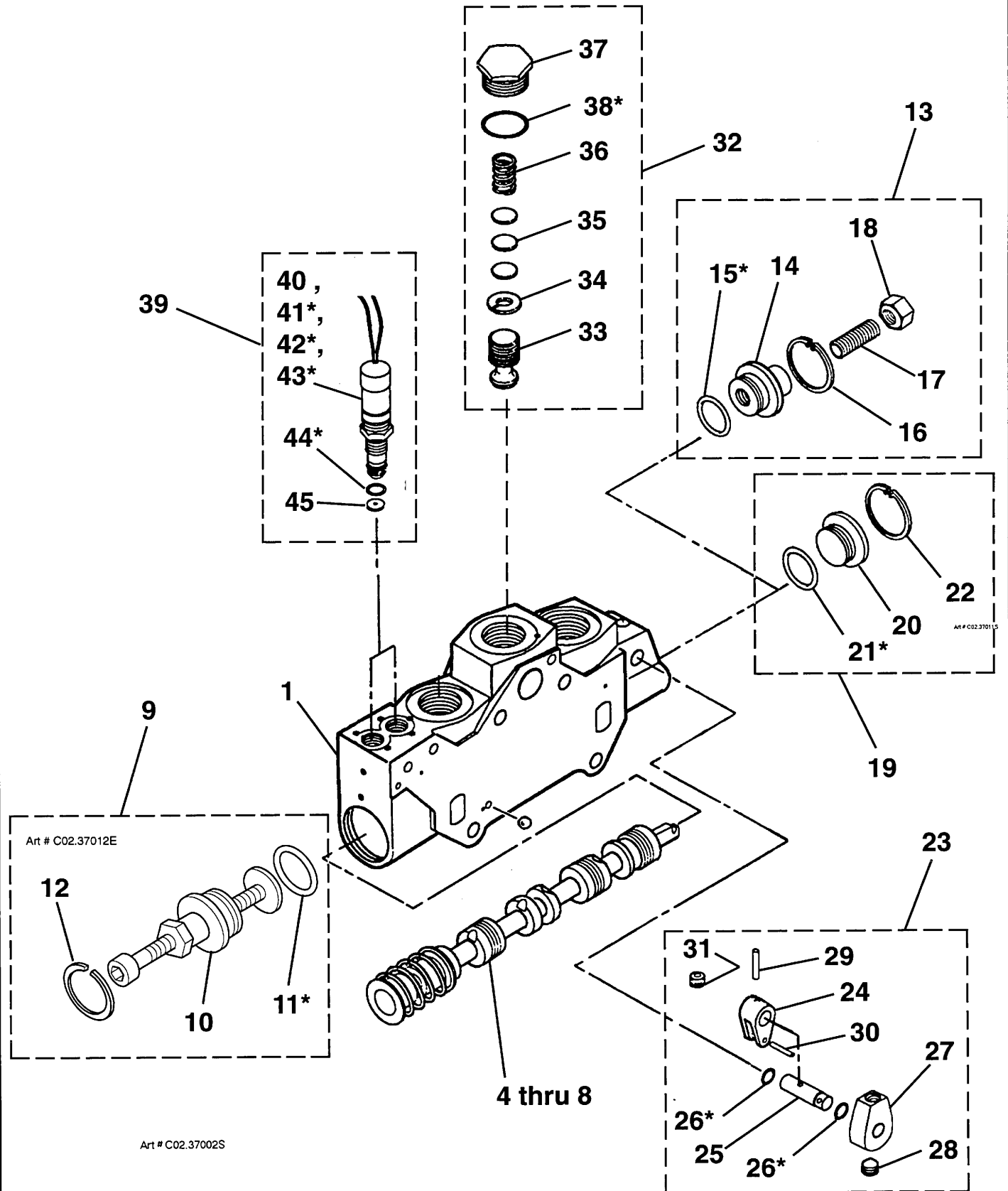
10-033800

PLATE
NO.

D12.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	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.		PART NO.
REV. 16 FEB., 1996				

Art # C02.37005E



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

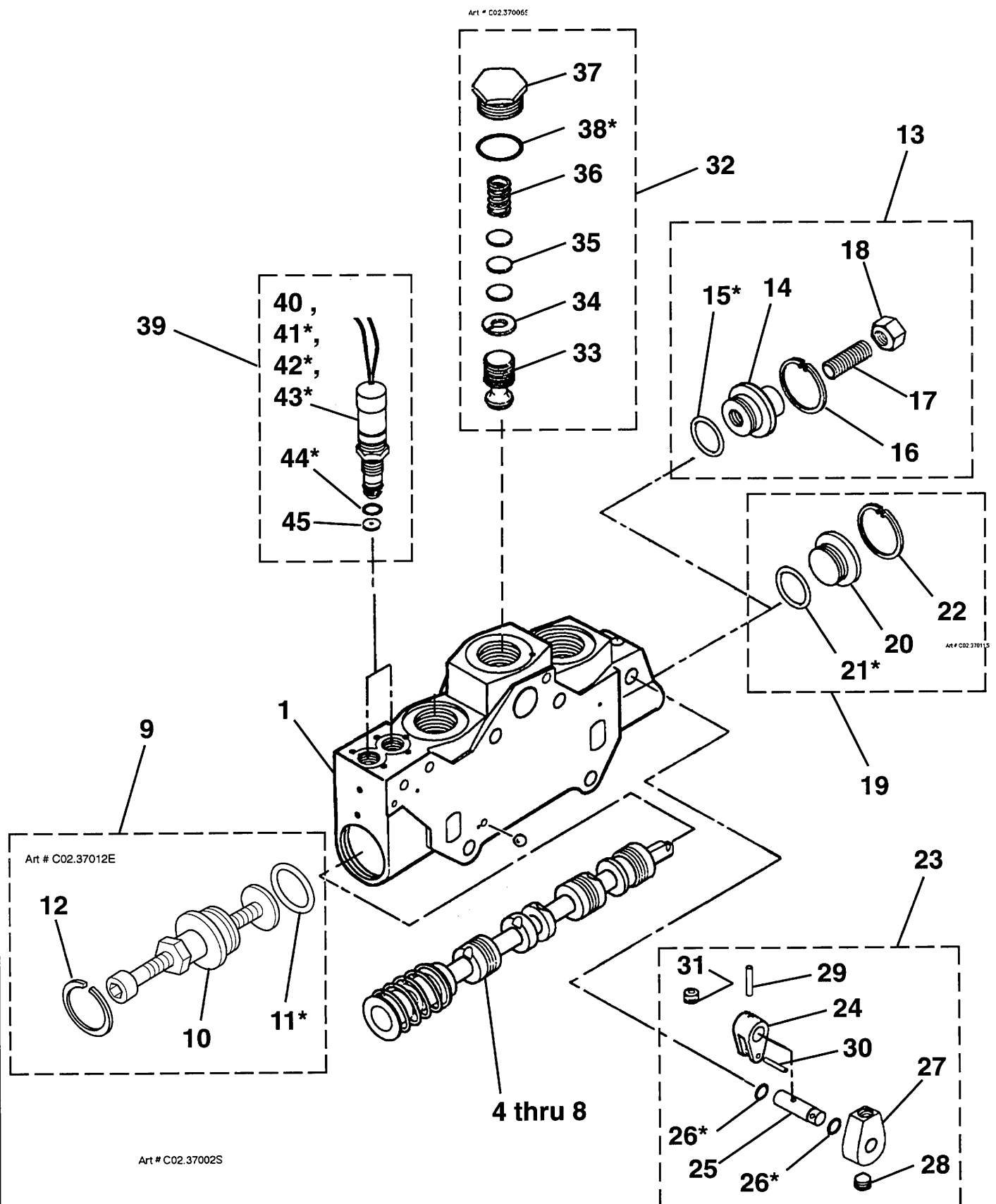
SIMON AERIALS INC.

REV. 16 FEB., 1996

PART
NO.

PLATE
NO. D13.06

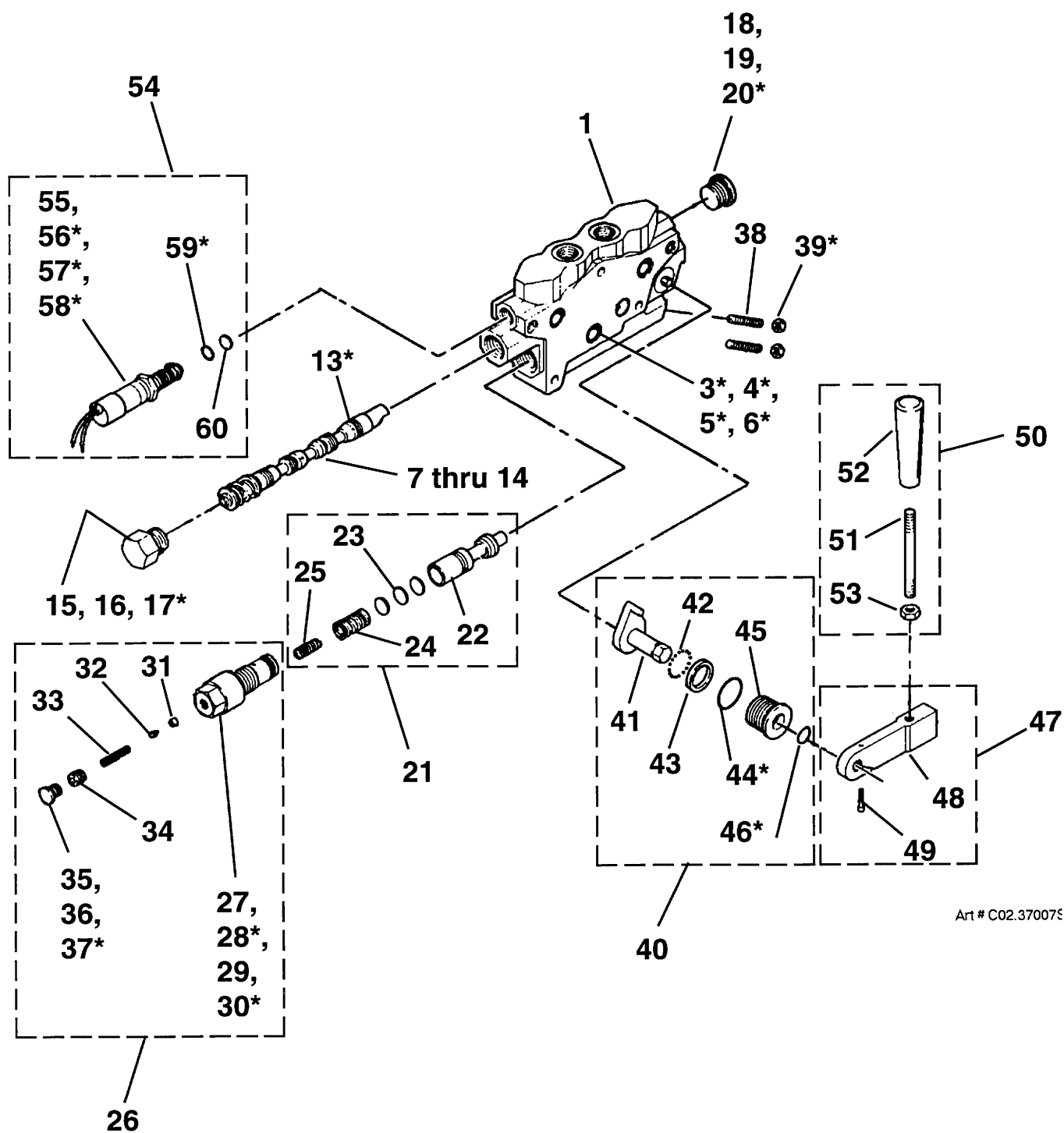
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	01-211025 Call Simon		MANUAL OPERATOR KIT	1
			for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
24		*	CLEVIS (has hole for .189" [4.8 mm] pin)	1
25			SHAFT (has hole for .189" [4.8 mm] pin)	1
26			"O"-RING	2
27			ADAPTER, HANDLE	1
28			SET SCREW	1
29			PIN, STRAIGHT (.189" [4.8 mm] dia.)	1
30			PIN, DOWEL	1
31			PLUG	1
32			PRESSURE COMPENSATOR KIT	1
	01-211024 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
33			SPOOL, COMPENSATOR	1
34			RING, RETAINING	1
35			SHIM (various thicknesses)	8
36			SPRING, COMPENSATOR	1
37			PLUG	1
38		*	"O"-RING	1
39			SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
	01-211001 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	
40			SOLENOID, PULSAR (12 Volt)	1
41		*	"O"-RING	1
42		*	SCREEN, SOLENOID FILTER	1
43		*	"O"-RING (special)	2
44		*	"O"-RING	2
45			PLATE, ORIFICE	1
TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)				
PLATE NO.	D13.06	SIMON AERIALS INC.		PART NO.
			REV. 16 FEB., 1996	



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
7	Call Simon		SPOOL KIT, TELESCOPE VALVE Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
8			SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15	01-211013 Call Simon		PLUG, HEX for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
16		*	PLUG	1
17		*	"O"-RING	1
18	01-211009 Call Simon		PLUG, SOCKET for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
19		*	PLUG	1
20		*	"O"-RING	1

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



Art # C02.370075

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

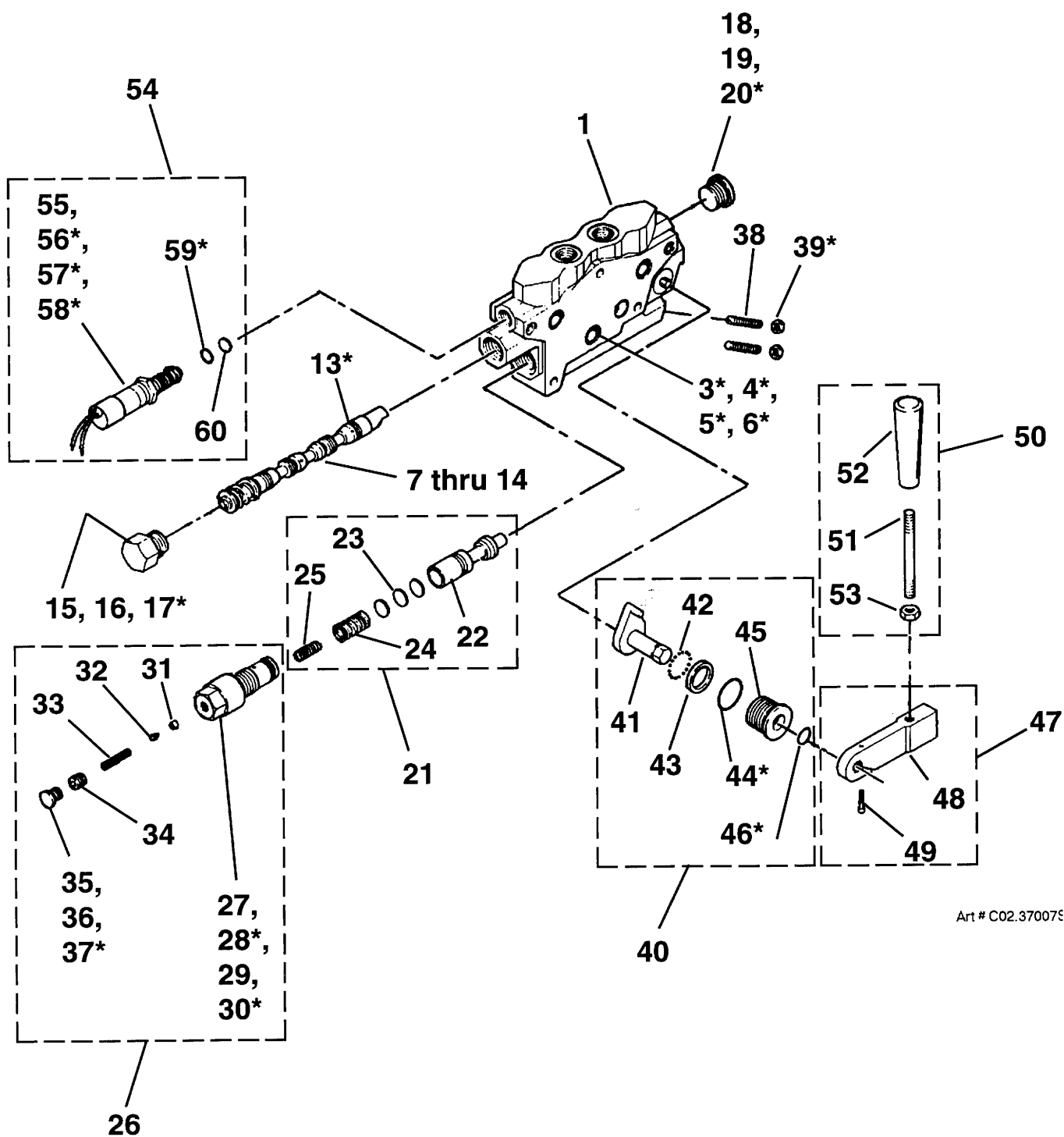
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

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



Art # C02.370075

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

SIMON AERIALS INC.

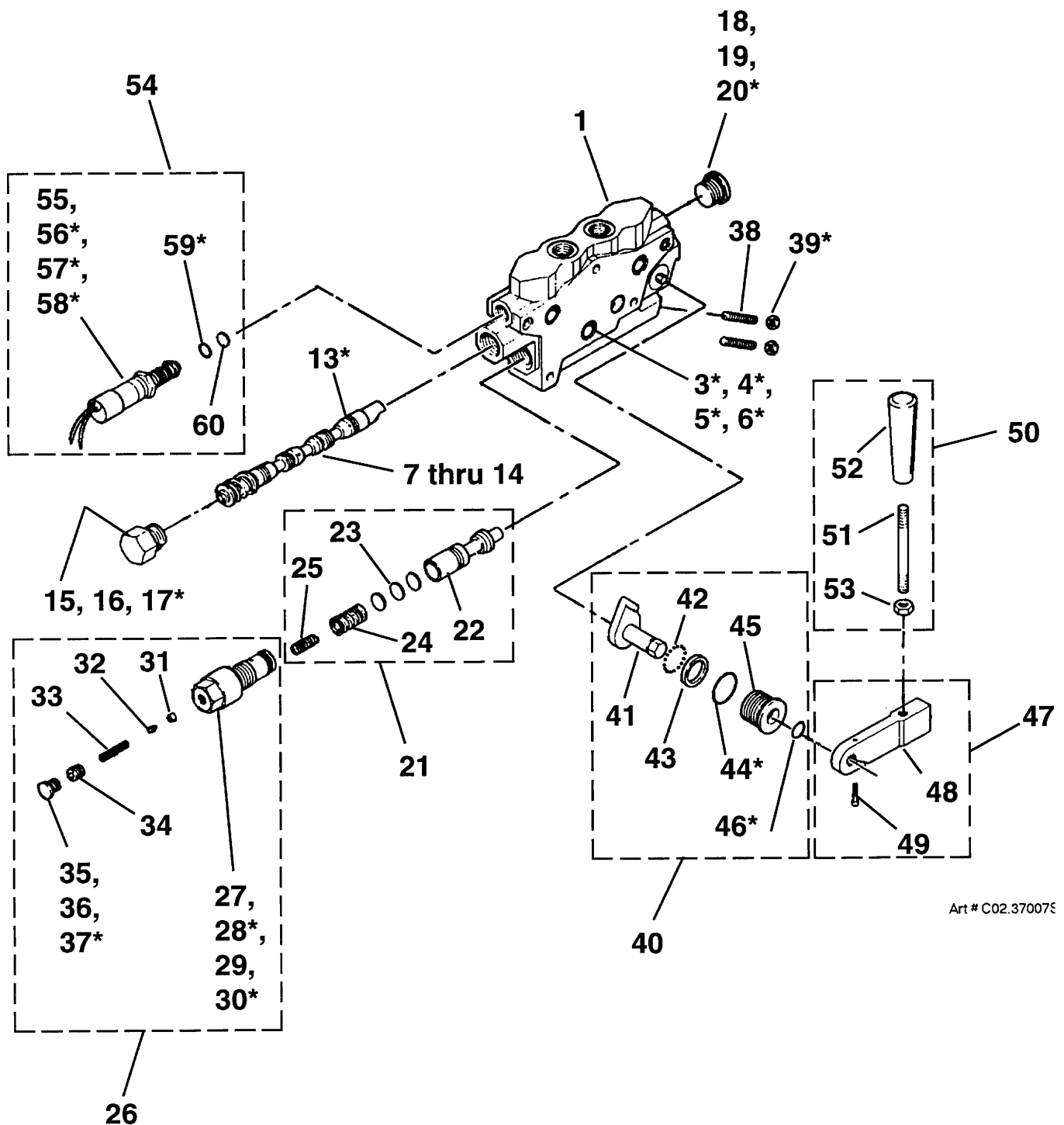
REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

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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)

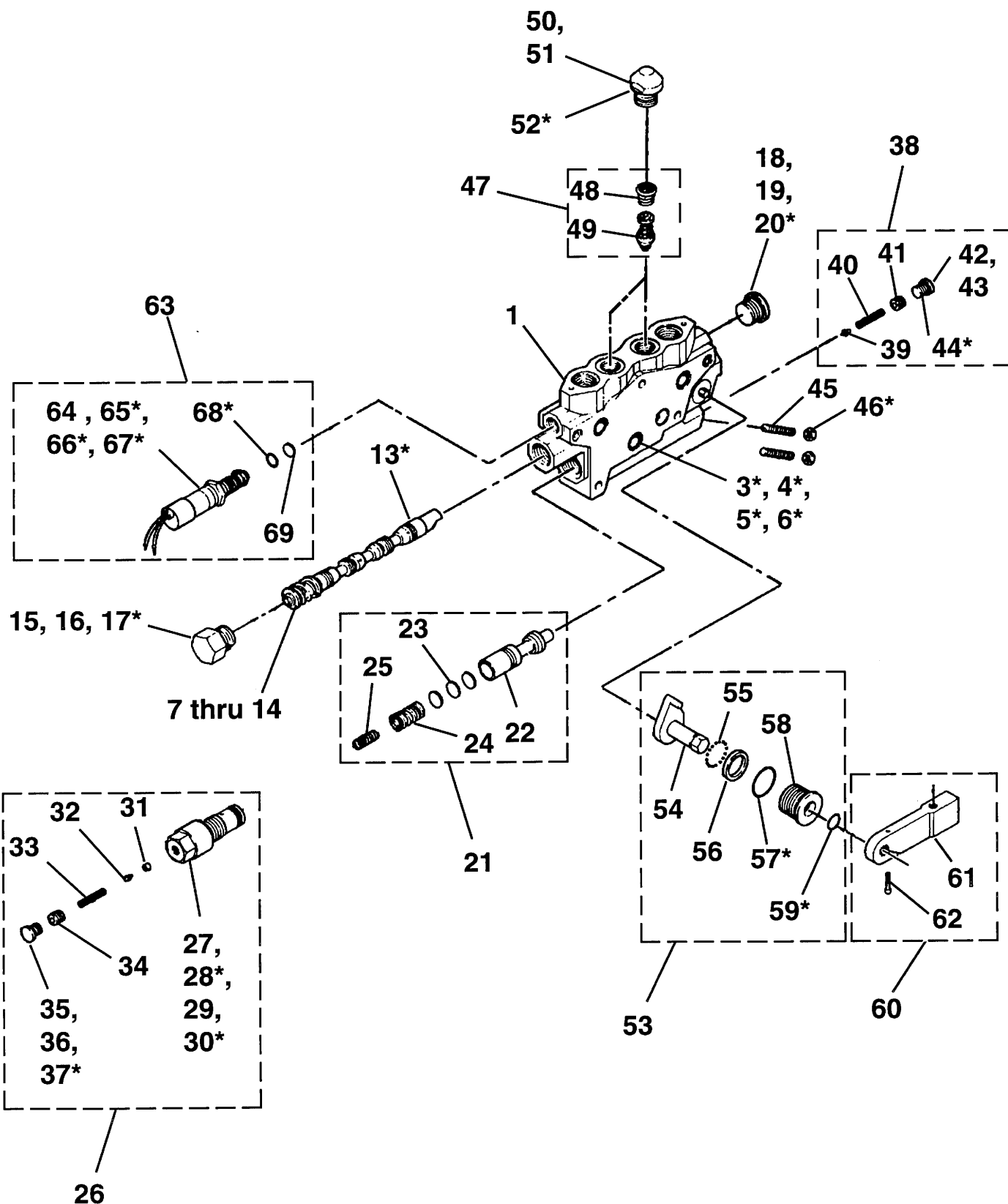
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.07

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			NOTE: When ordering valve sections or components, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
			STEER VALVE SECTION	1
	Call Simon		for first type valve bank assemblies (MP series only)	
	Call Simon		for second type MP and all RP valve bank assemblies	
1			HOUSING, STEER VALVE SECTION	1
2			SEAL KIT, WORK SEGMENT	1
	01-211004		for first type valve bank assemblies (MP series only)	
	Call Simon		for second type MP and all RP valve bank assemblies	
			SEAL KIT, WORK SEGMENT . . . includes;	
3			BALL (for housing cross port)	1
4			"O"-RING (for housing cross port)	1
5			"O"-RING (for housing cross port)	2
6			"O"-RING (for housing cross port)	3
			plus all items below marked with an asterisk (*)	
7			SPOOL KIT, STEER VALVE	1
	Call Simon		for first type valve bank assemblies (MP series only)	
	Call Simon		for second type MP and all RP valve bank assemblies	
8			SPOOL	1
9			RING, RETAINING	1
10			GUIDE, SPRING	2
11			SPRING, CENTERING	1
12			SHIM	1
13		*	"O"-RING	1
14			HOOK, OVERRIDE	1
15			PLUG, HEX	1
	01-211013		for first type valve bank assemblies (MP series only)	
	Call Simon		for second type MP and all RP valve bank assemblies	
16			PLUG	1
17		*	"O"-RING	1
18			PLUG, SOCKET	1
	Call Simon		for first type valve bank assemblies (MP series only)	
	Call Simon		for second type MP and all RP valve bank assemblies	
19			PLUG	1
20		*	"O"-RING	1
TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)				
PLATE NO. D13.08		SIMON AERIALS INC.		PART NO.
REV. 26 JUL., 1994				



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST

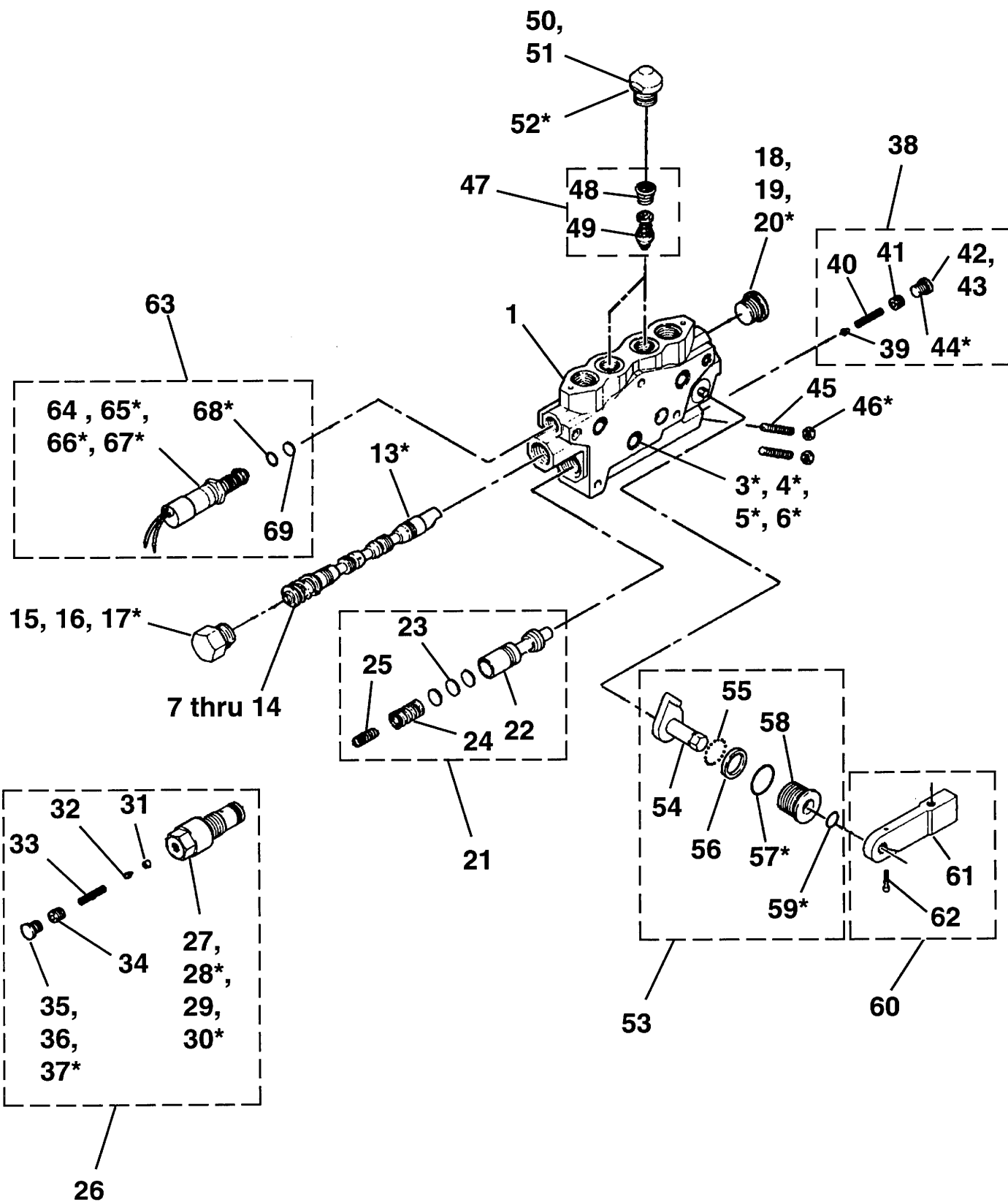
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST

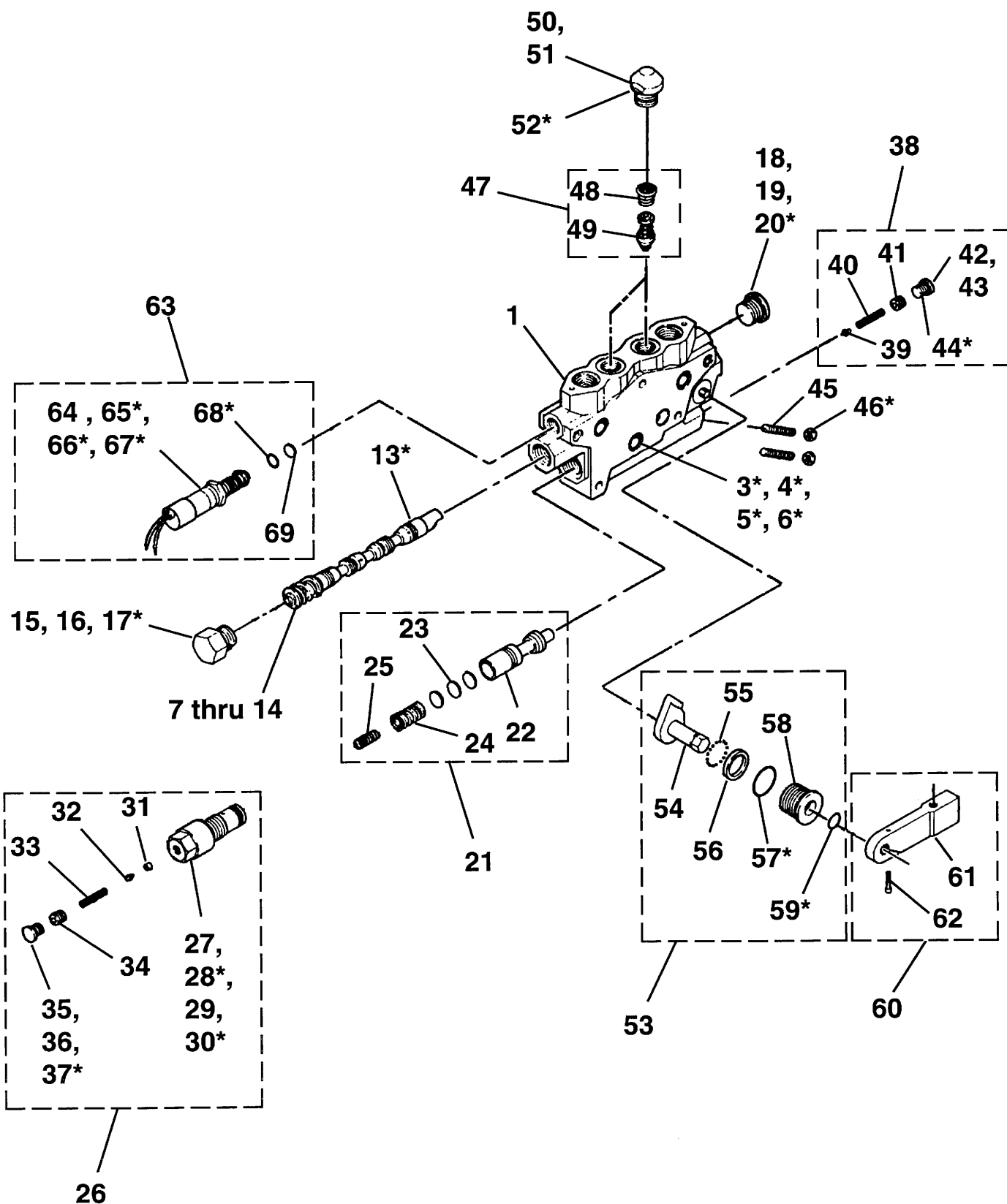
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47	01-211007 Call Simon		RELIEF KIT (with anti-cavitation valve) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
48			CARTRIDGE ASSEMBLY	1
49			SPRING	1
50			PLUG, WORK PORT	1
	Call Simon Call Simon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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

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NO.

D13.08

PARTS LIST

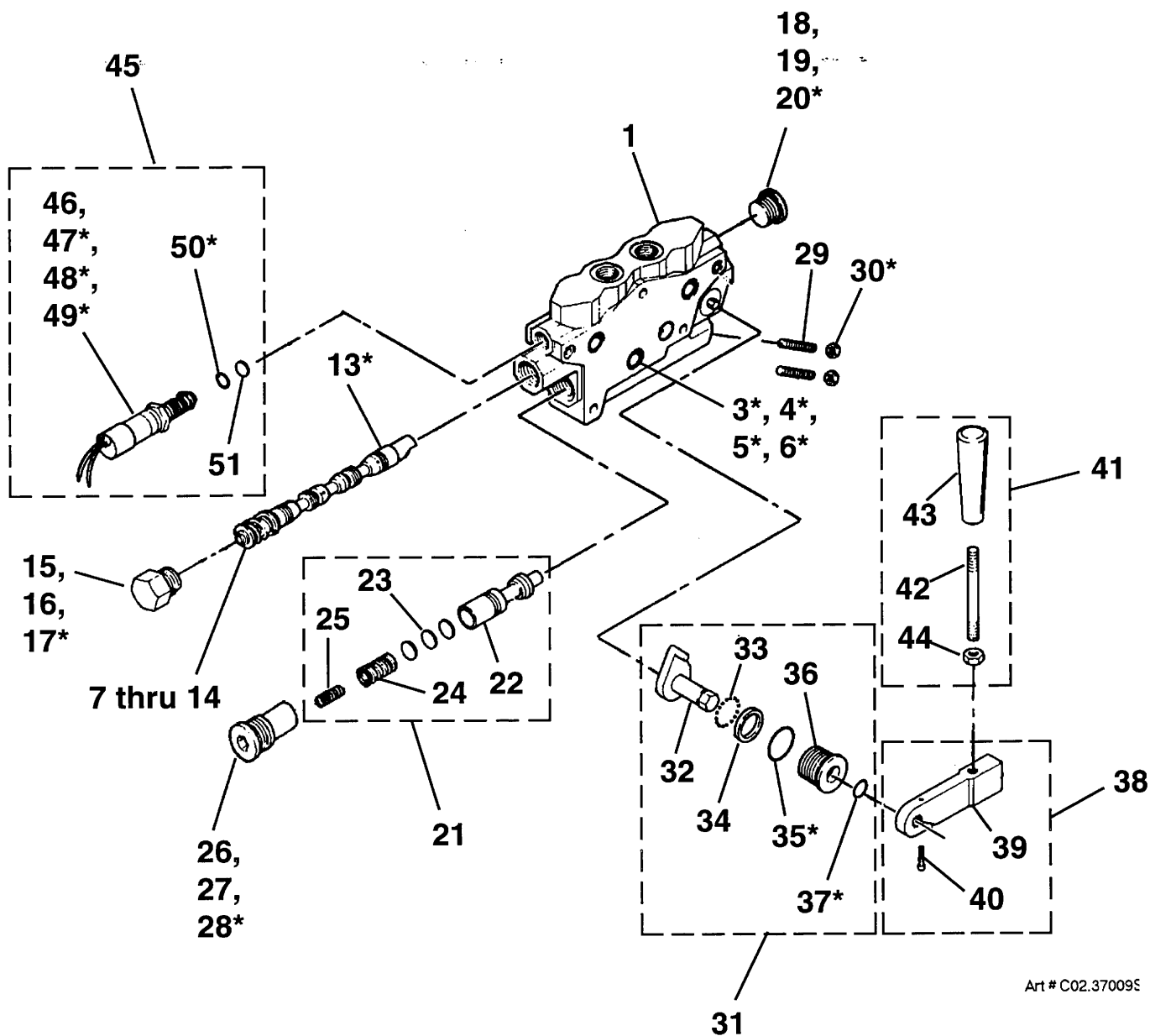
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-231205 01-231203 Call Simon		BOOM RAISE/ LOWER VALVE SECTION for Model RP 66 main boom for Model RP 66 jib boom for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1	01-211004 Call Simon		HOUSING, 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
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 BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.09

PARTS LIST

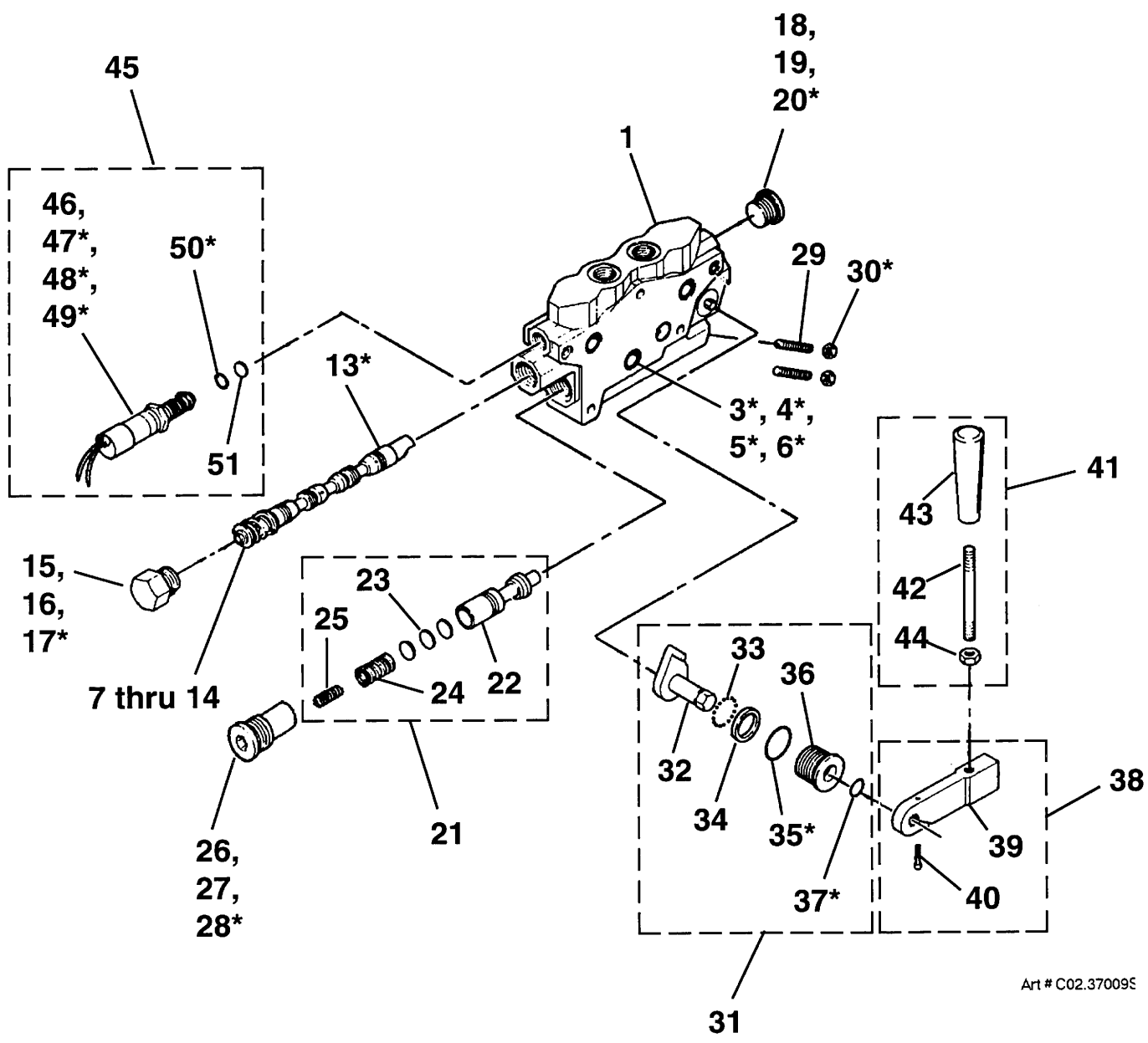
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076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

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

REV. 26 JUL., 1994

PART NO.



Art # C02.37009S

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

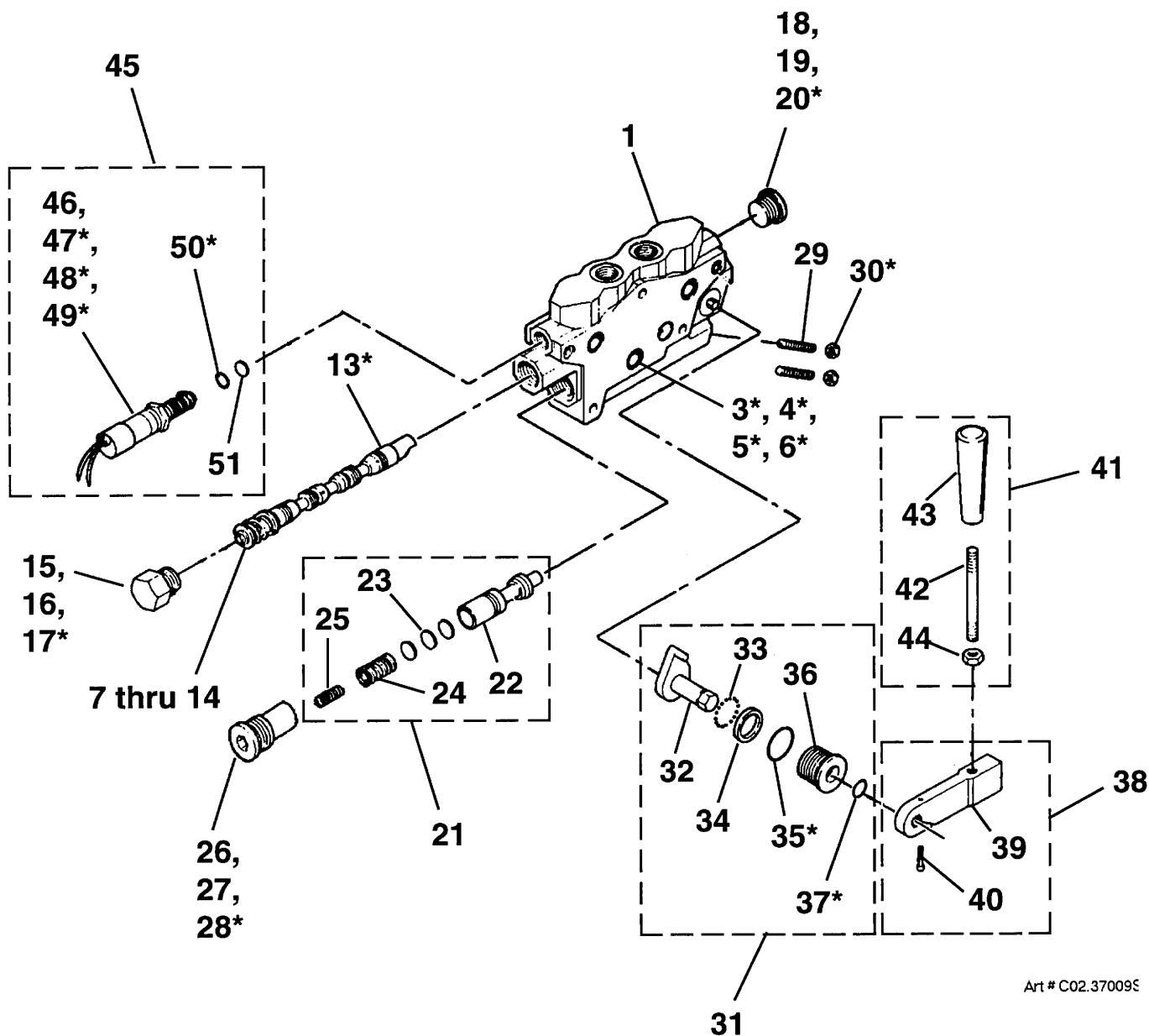
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09
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SIMON AERIALS INC.

REV. 26 JUL., 1994

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
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PLATE
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PARTS LIST

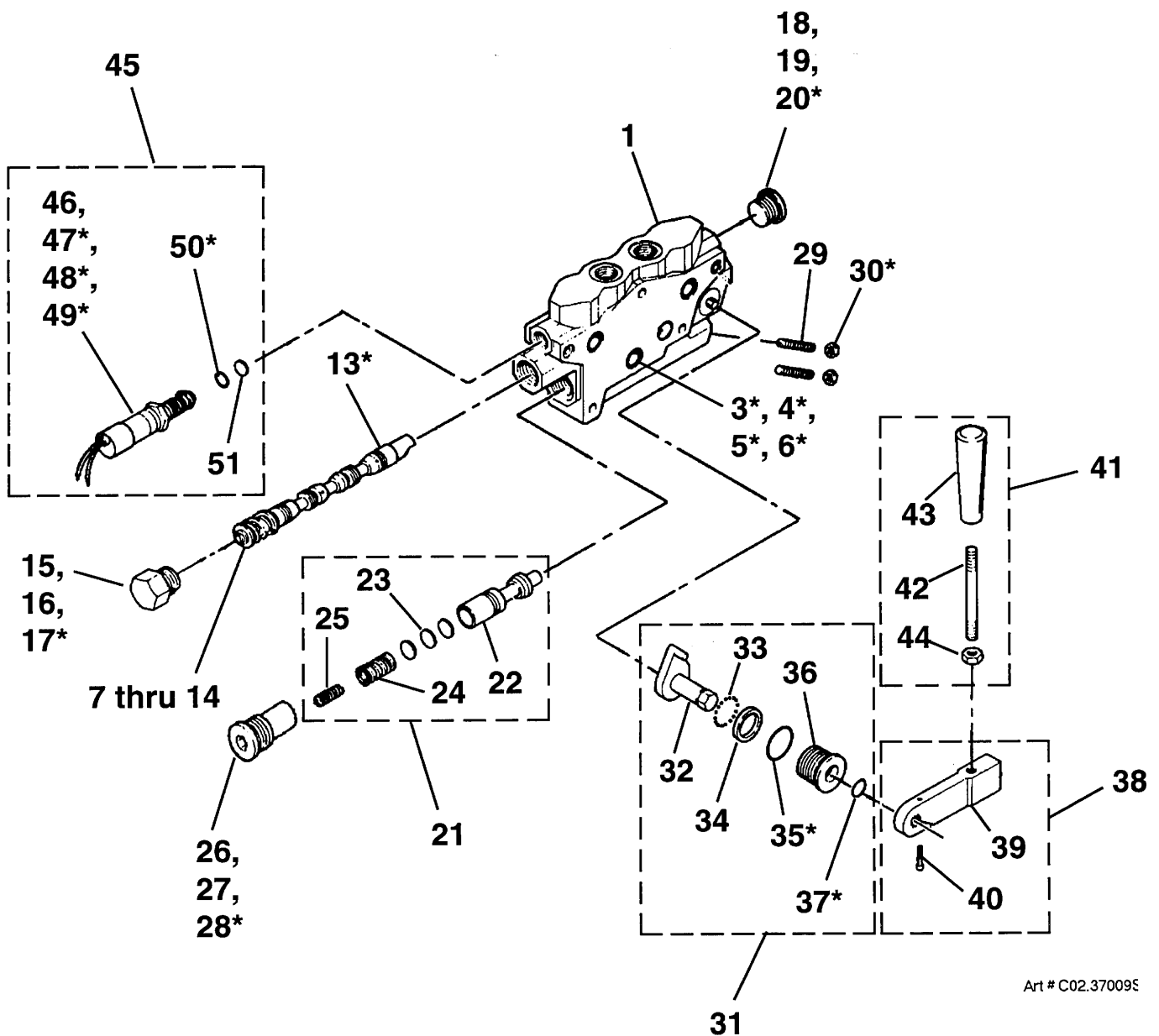
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-231206 Call Simon		SWING VALVE SECTION for Model RP 66 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, SWING VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT . . . 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

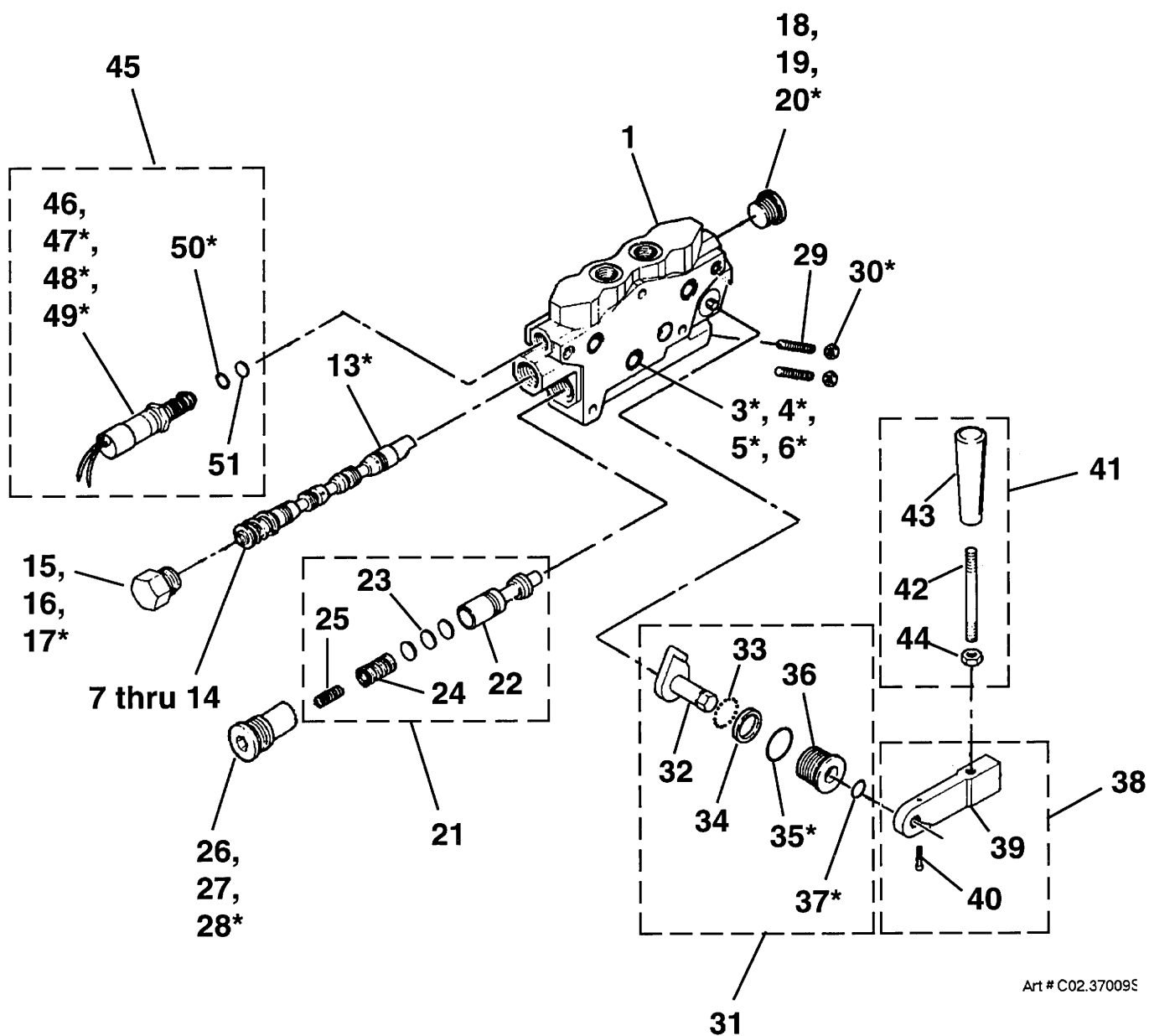
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 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.**

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PART NO.



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

SIMON AERIALS INC.

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PART
NO.

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NO.

D13.10

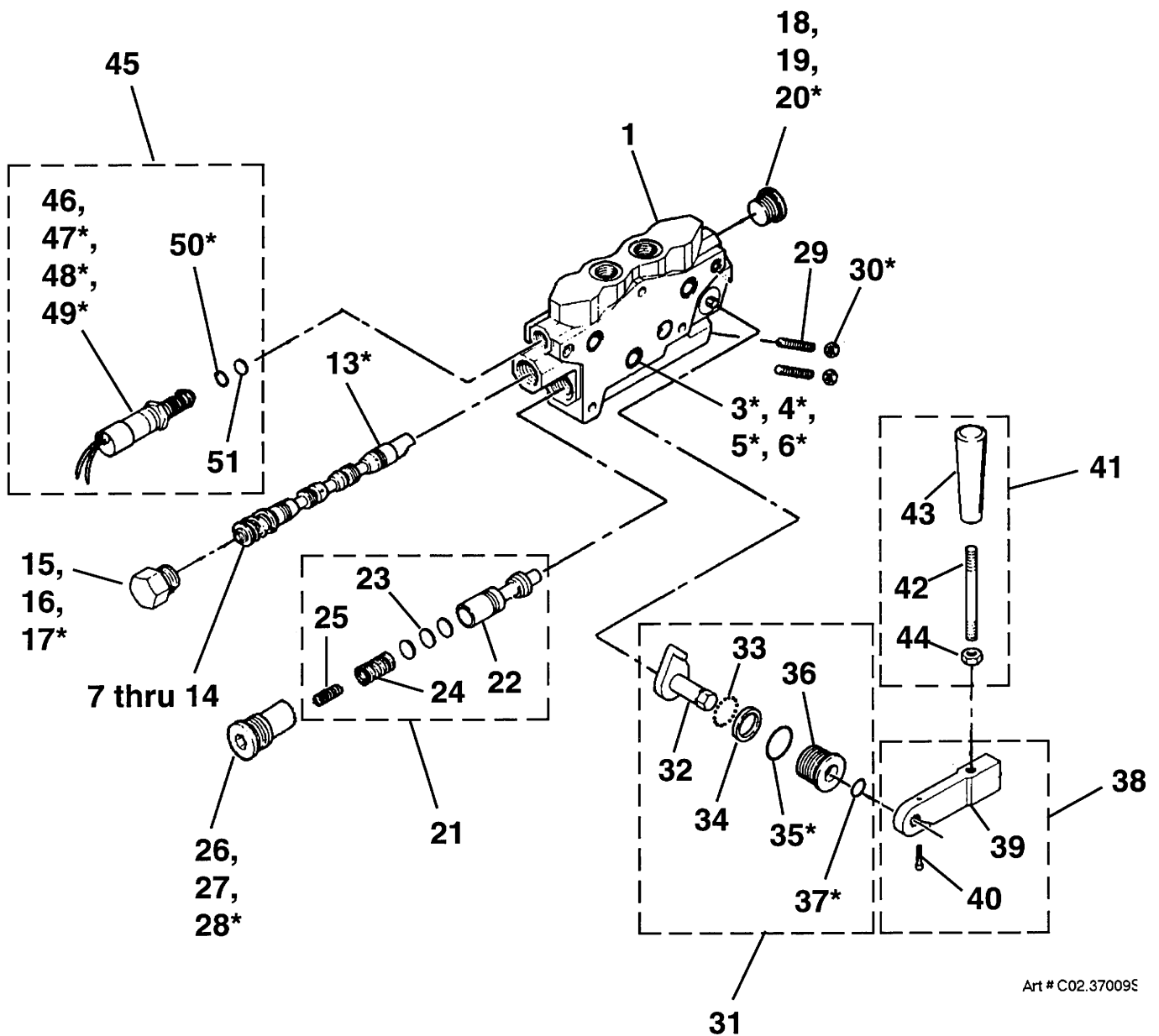
PARTS LIST

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

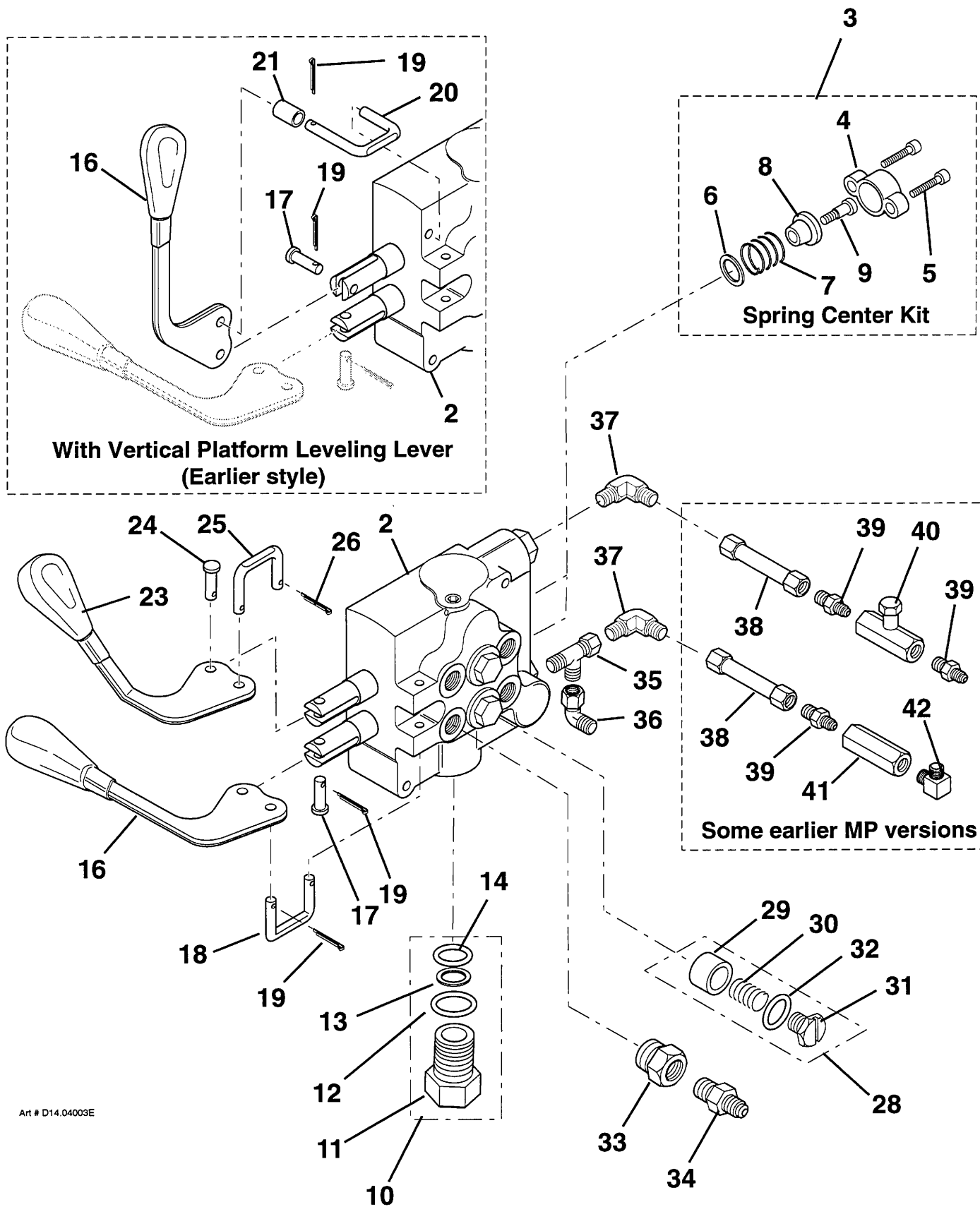
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.10

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

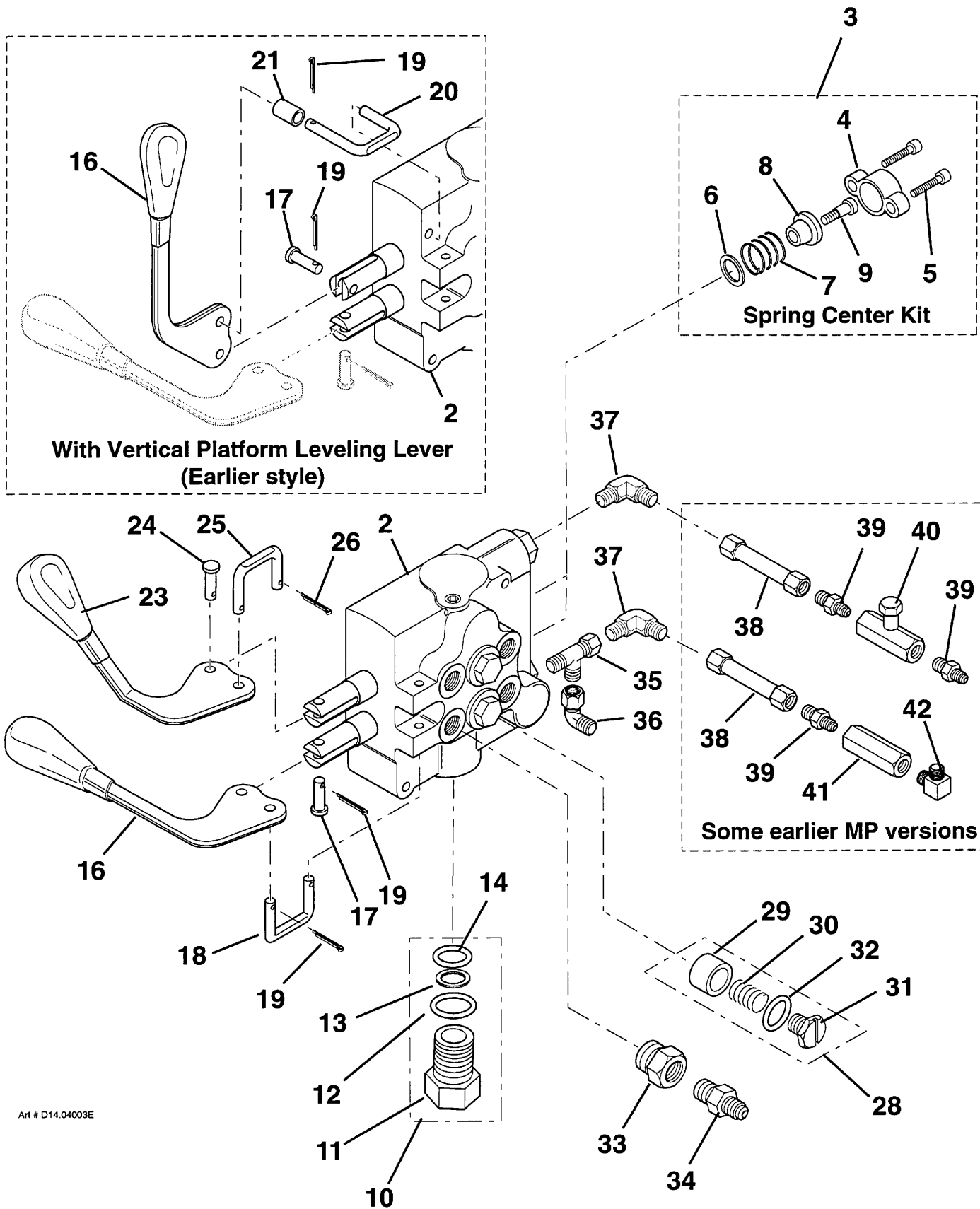
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED (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)	
			(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			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	1
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

SECTION

D19.

PLATE NO.

39

PAGE

01

REV.

A

DATED

27 DEC., 1996

PART NO.

04-036100

Simon Aerials Inc.

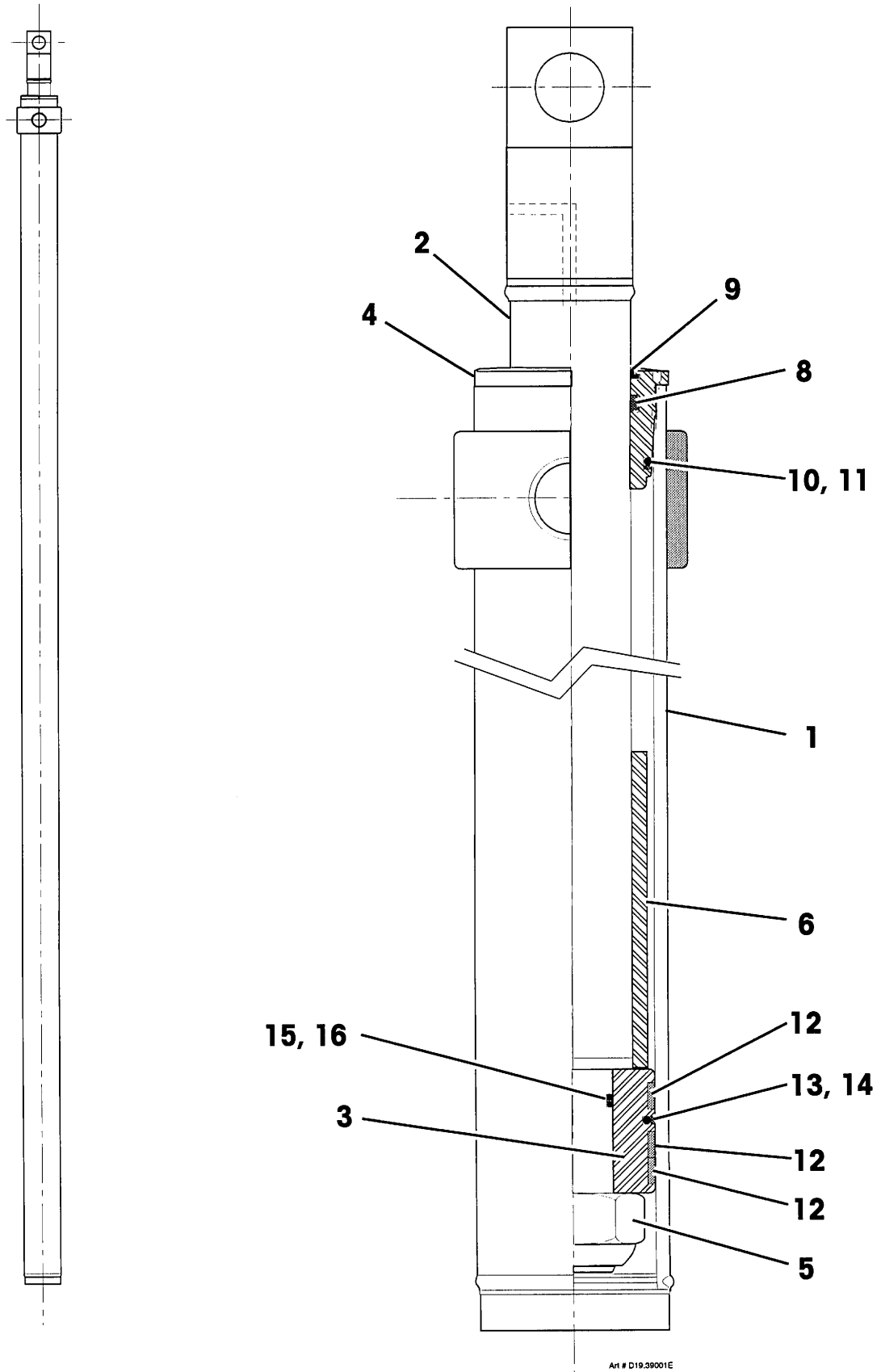
10600 West Brown Deer Road

Milwaukee Wisconsin 53224 USA

Parts Phone 1-800-47-SIMON

24 Hr (Machine) 414-362-8280

Fax 414-355-3172



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TITLE

TELESCOPE CYLINDER, 180" (4.57 M) STROKE

PART
NO.

04-036100

REV. A

DATED
27 DEC., 1996

SECTION

D19.

PLATE NO.

39

PAGE

01

PARTS LIST

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

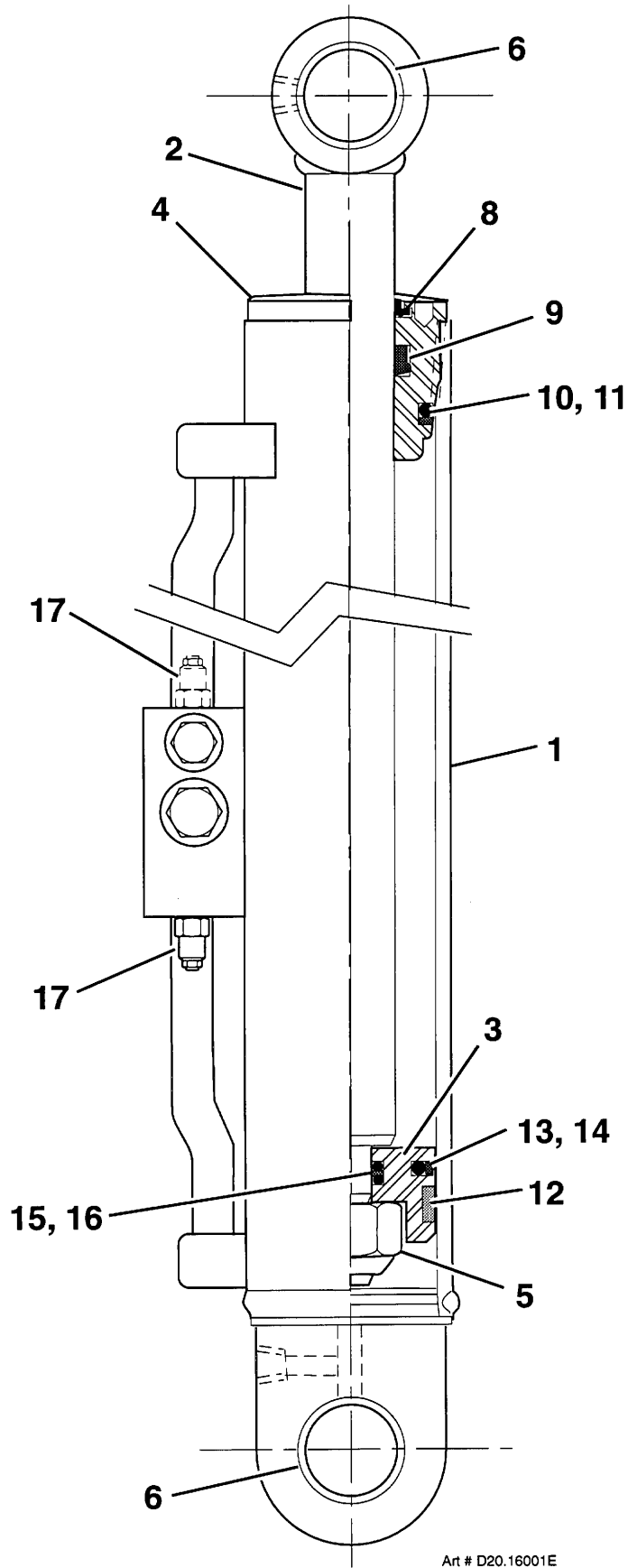
TITLE SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

PLATE NO. D20.16

SIMON AERIALS INC.

NEW 27 APR., 1994

PART NO. 04-035400



Art # D20.16001E

TITLE

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

SIMON AERIALS INC.

NEW 27 APR., 1994

PART
NO.

04-035400

PLATE
NO.

D20.16

PARTS LIST

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

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

PLATE
NO.

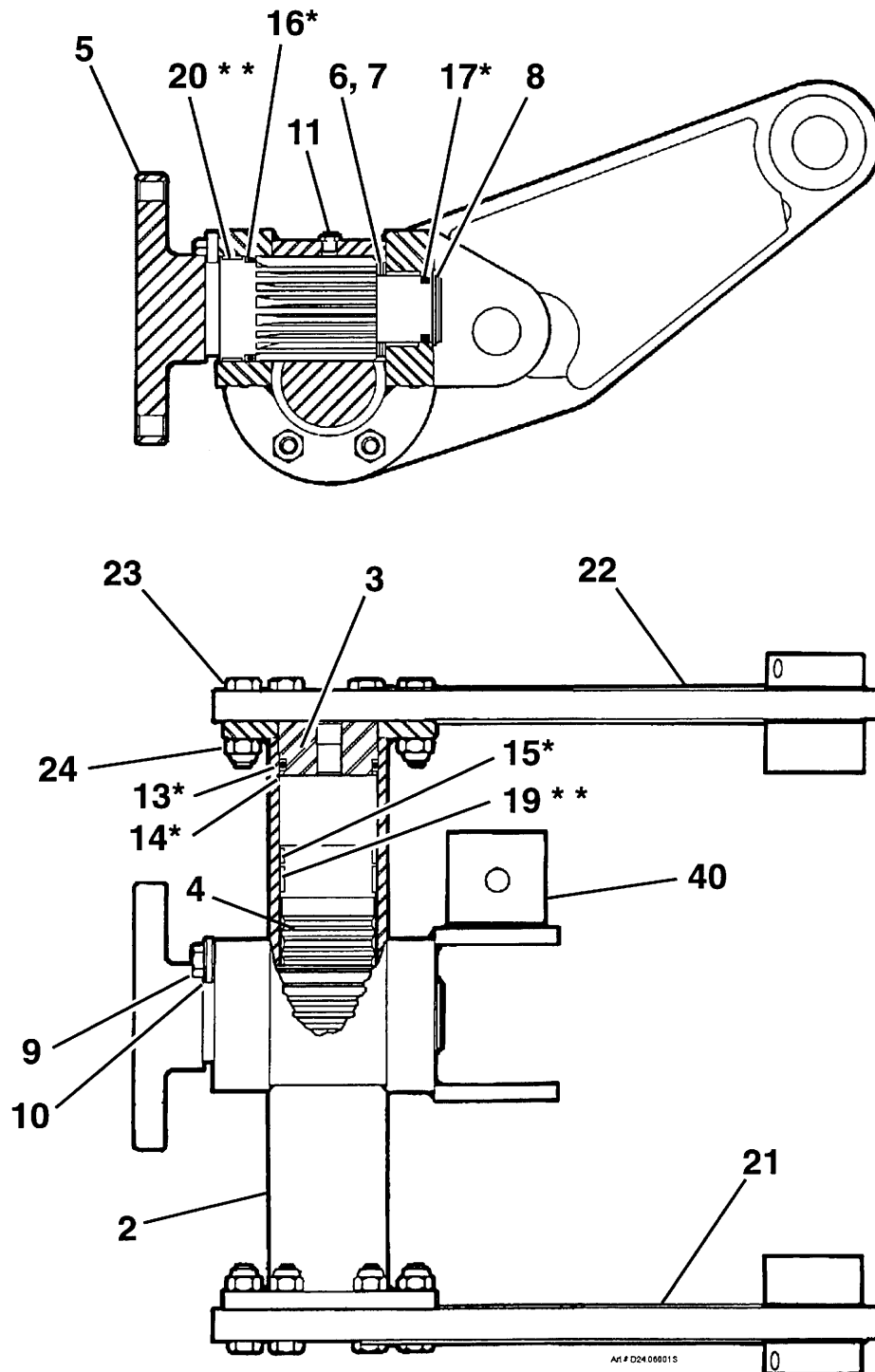
D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600



TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 22 NOV., 1994
THIS SHEET ONLY

PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST

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

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

PLATE NO.

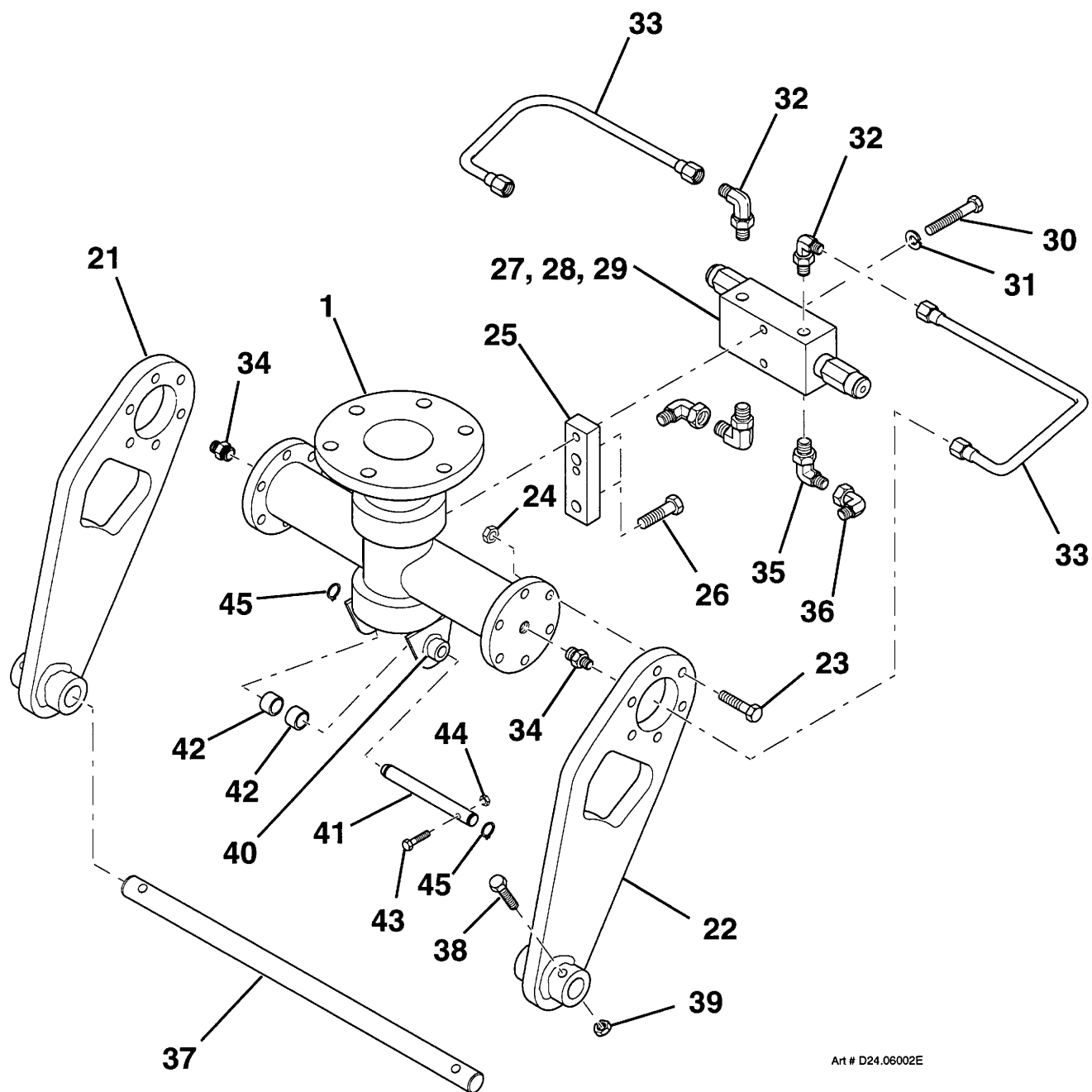
D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART NO.

02-010600



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST

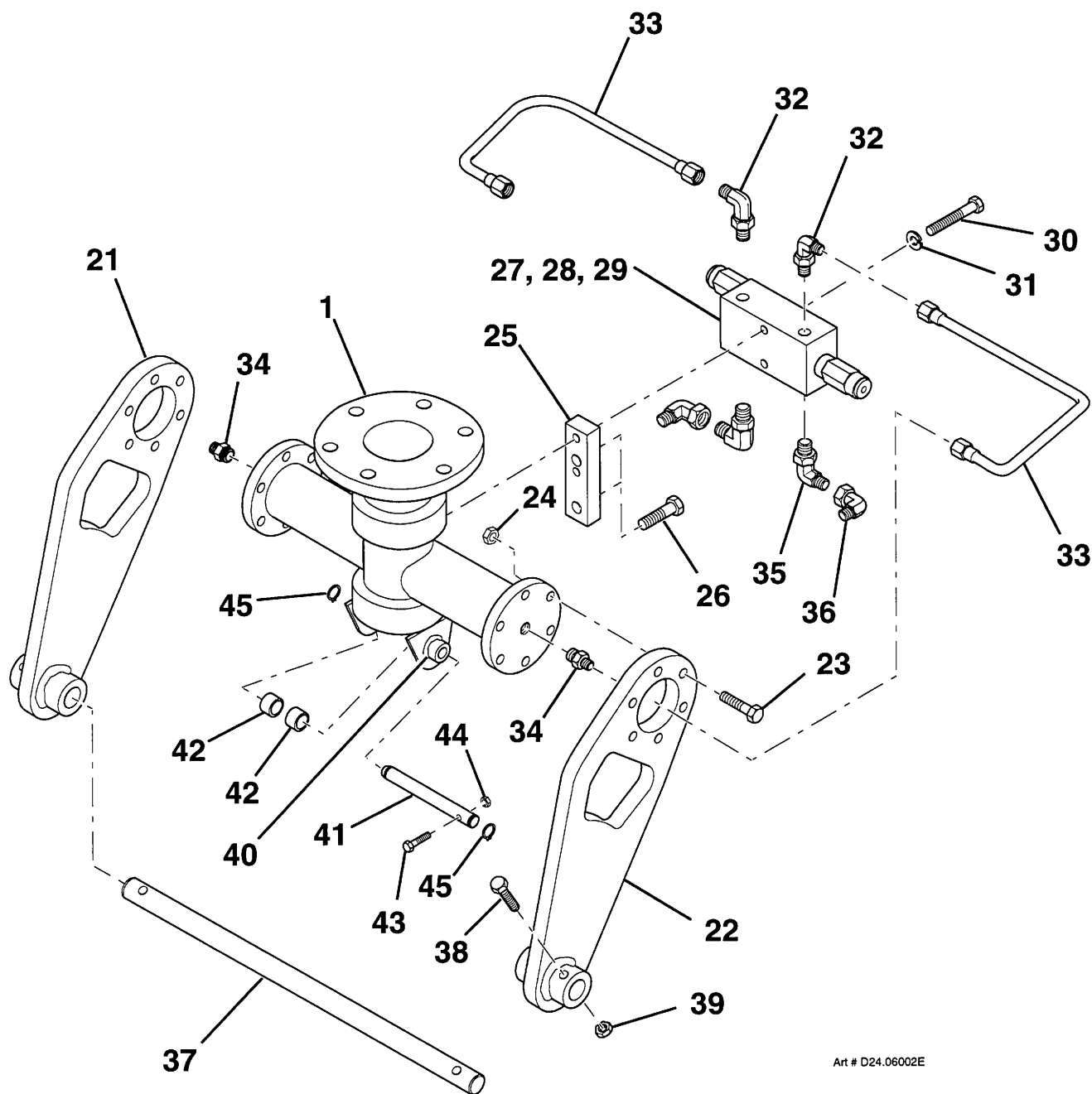
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	07-003090		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5. For "Type 1" arm)	12
	07-003089		(1/2"-13 x 2", Grade 5. For "Type 2" arm)	12
24	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	12
25	2111850		SPACER, RELIEF/ CHECK VALVE MOUNTING	1
26	07-008043		CAP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

TITLE PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)

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

REV. 22 NOV., 1994
THIS SHEET ONLY

PART NO. 02-010600



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART
NO.

02-010600

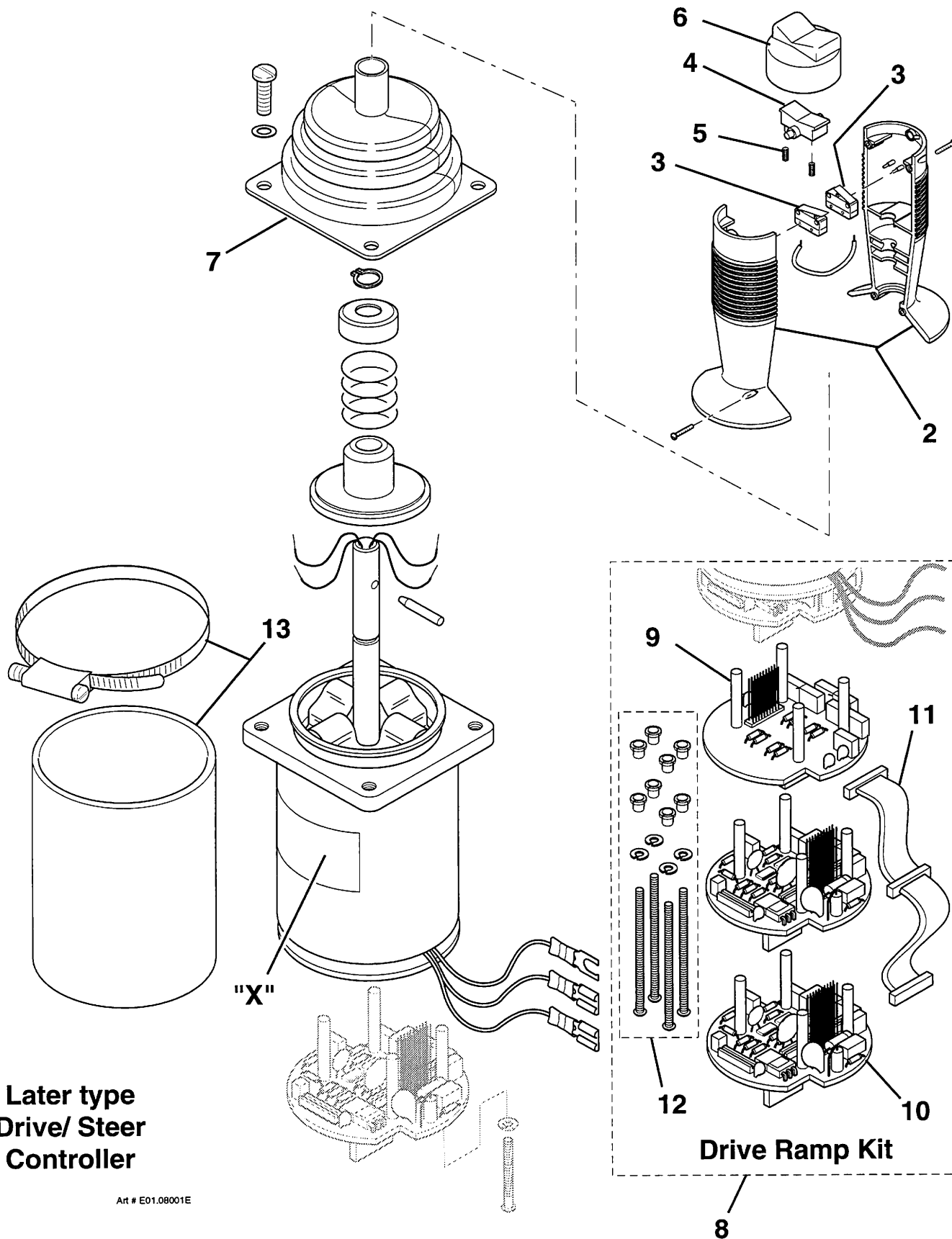
PLATE
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D24.06

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REV. 01 FEB., 1996

PART
NO.



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

SIMON AERIALS INC.

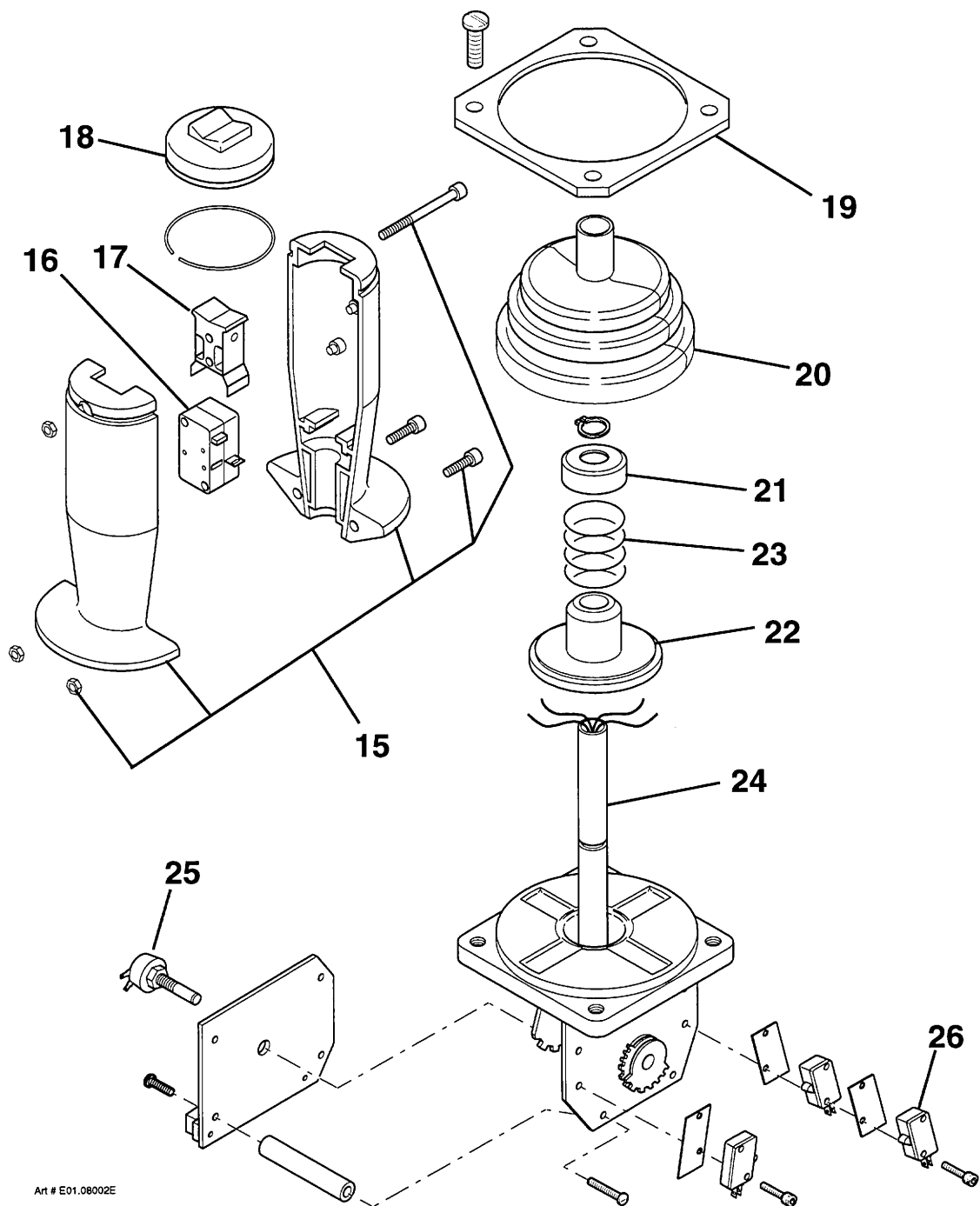
REV. 01 FEB., 1996

PART
NO.

PLATE
NO. E01.08

[illegible]

PLATE NO.	E01.08	SIMON AERIALS INC.	REV. 01 FEB., 1996	PART NO.
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Art # E01.08002E

**Earlier type
Drive/ Steer
Controller**

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

SIMON AERIALS INC.

REV. 01 FEB., 1996

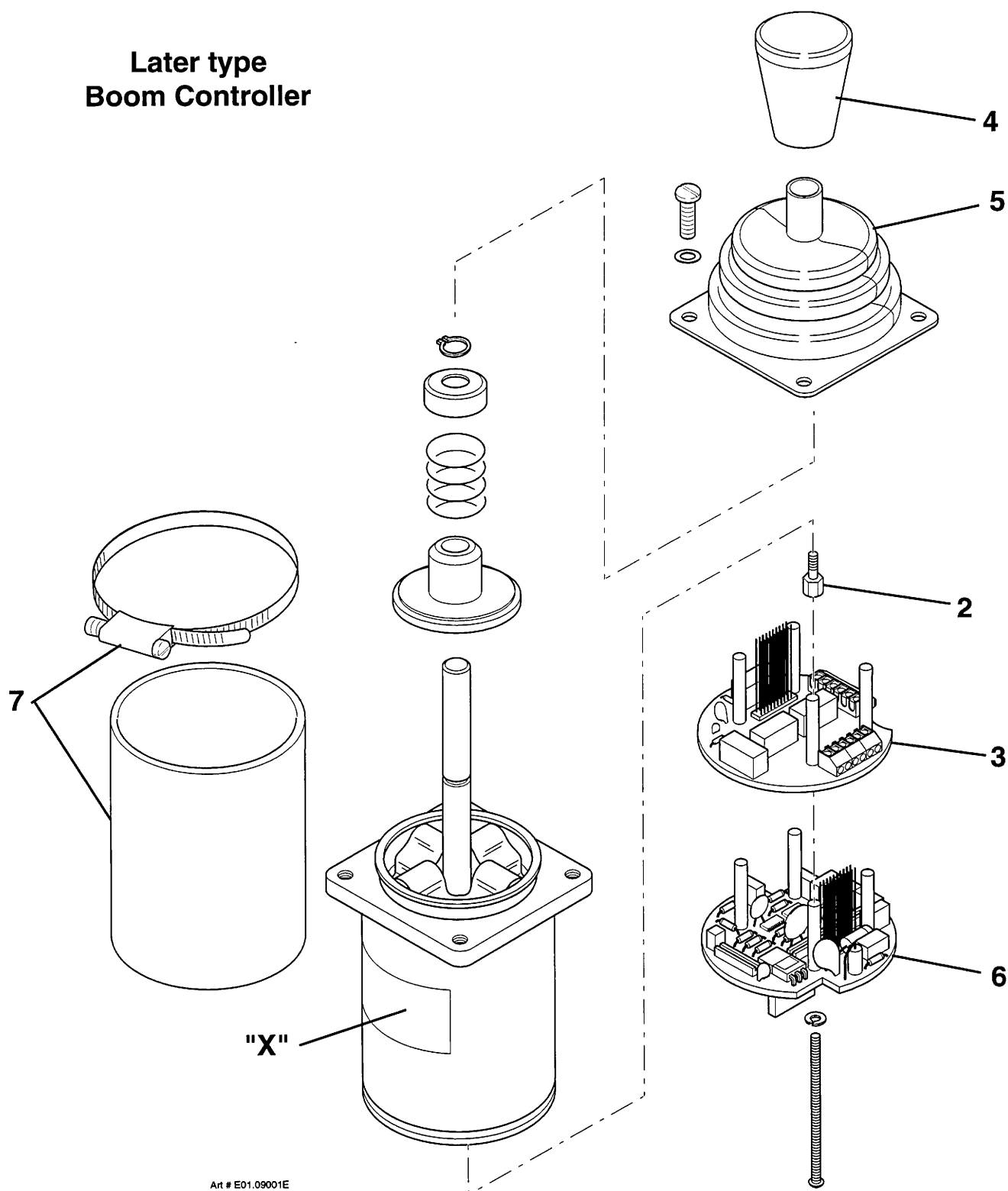
**PART
NO.**

**PLATE
NO.**

E01.08

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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

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SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

PARTS LIST

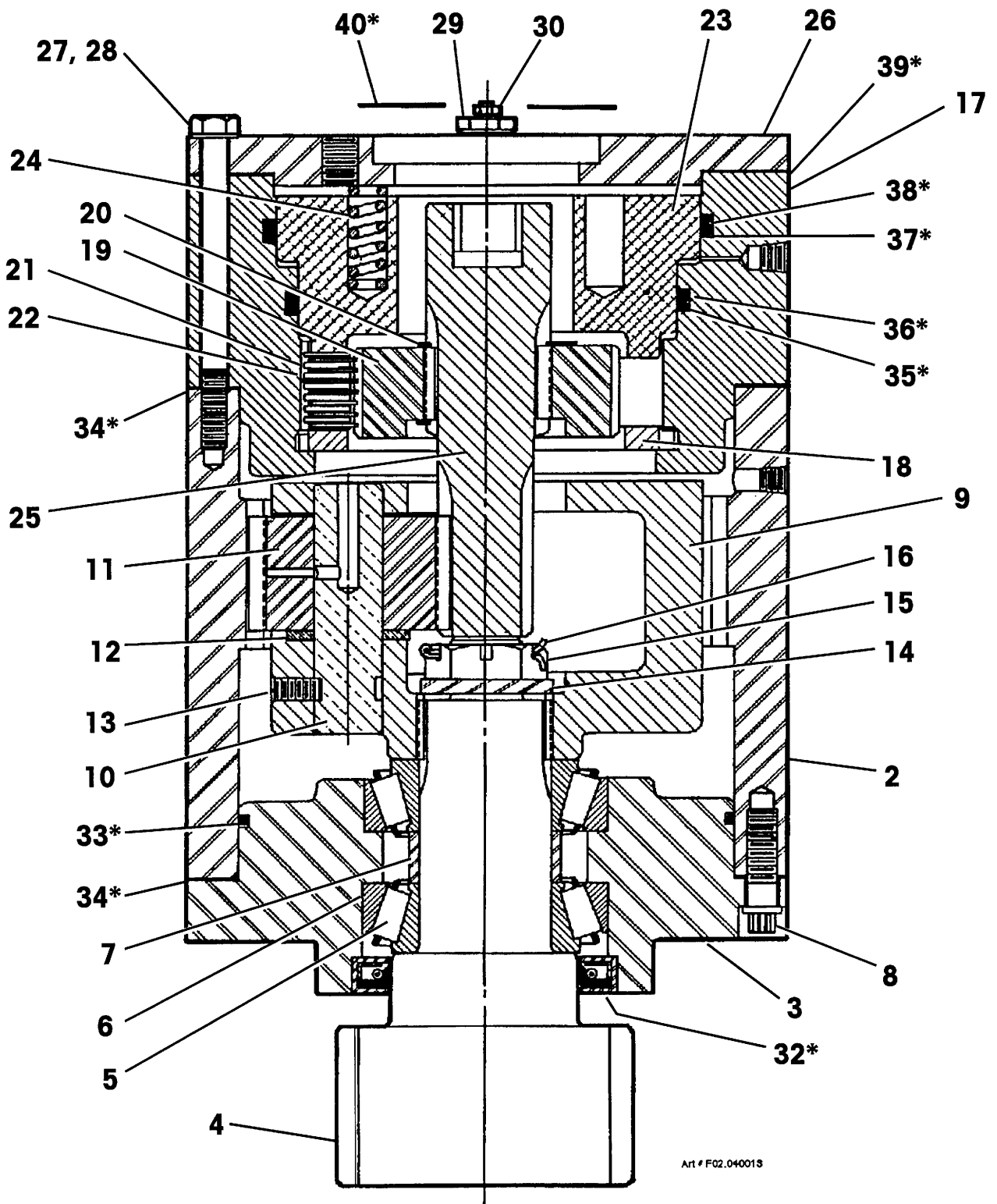
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-006100		SWING REDUCER ASSEMBLY (Identified on nameplate as "D105 00029-1" or "D105-00036-1")	1
2			HOUSING, SWING REDUCER	1
3	02-006111		PLATE, BASE	1
4	02-006102		SHAFT, OUTPUT	1
5	02-005703		CONE AND ROLLER, OUTPUT SHAFT BEARING	2
6	02-006114		CUP, OUTPUT SHAFT BEARING	2
7	02-006107		SPACER, BEARING	1
8	02-006115		CAP SCREW, FERRY (7/16"-14 x 1-1/4")	5
9	02-006117		CARRIER, PLANET	1
10	02-006103		SHAFT, PLANET GEAR	3
11	02-006118		GEAR, PLANET	3
12	02-006119		BEARING, THRUST	3
13	02-006120		SET SCREW, HEX SOCKET (5/16"-18 x 1/2")	3
14	02-006106		WASHER	1
15	02-006108		NUT, CASTLE	1
16			KEY, COTTER	1
17			CYLINDER, BRAKE	1
18			PLATE, BACK-UP	1
19	02-006116		DRIVER, BRAKE	1
20			SNAP RING	2
21	02-006113		DISC, BRAKE (stationary)	7
22	02-006112		DISC, FRICTION (rotating)	7
23	02-006110		PISTON, BRAKE	1
24	02-006109		SPRING, BRAKE	12
25	02-006104		SHAFT, INPUT	1
26	02-006101		COVER	1
27			CAP SCREW, HEX HEAD (3/8"-16 x 4-1/2", Grade 5)	6
28			WASHER, HELICAL LOCK (3/8")	6
29			BUSHING, REDUCER (1/2" to 1/8" NPT)	1
30			PLUG, VENT	1
31	02-005701		SEAL KIT Note: items in kit identified by asterisk (*).	1
32			SEAL, OUTPUT SHAFT	1
33			"O"-RING, BASE PLATE	1
34			GASKET, HOUSING	2
35			"O"-RING	1
36			RING, BACKUP	1
37			"O"-RING	1
38			RING, BACKUP	1
39			GASKET, COVER	1
40			GASKET, MOTOR	1

TITLE

SWING REDUCER ASSEMBLY

SECTION **F02.** PLATE NO. **04** PAGE **01** REV. - DATED 26 AUG., 1994 PART NO. **02-006 100**

 Simon Aerials Inc.
10600 West Brown Deer Road
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Art # F02.040015



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TITLE

SWING REDUCER ASSEMBLY

PART NO. 02-006 100

REV. -

DATED
26 AUG., 1994

SECTION F02.

PLATE NO. 04

PAGE 01

PARTS LIST

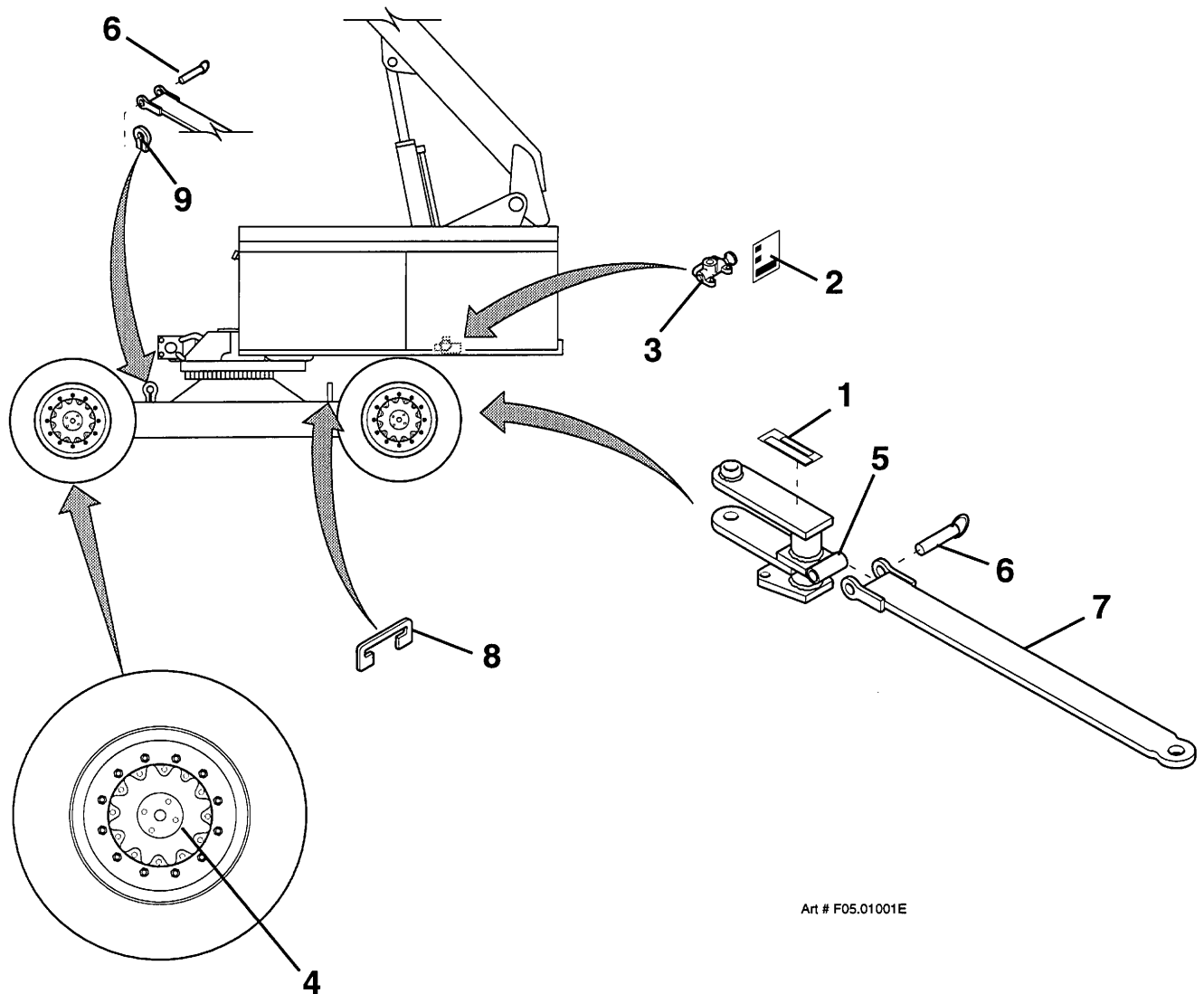
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TITLE	TOWING EQUIPMENT (OPTIONAL)
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PLATE NO.	F05.01	SIMON AERIALS INC.	ORIGIN 07/12/90
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PART NO. 3519960

PART NO. 3519960



TITLE

TOWING EQUIPMENT (OPTIONAL)

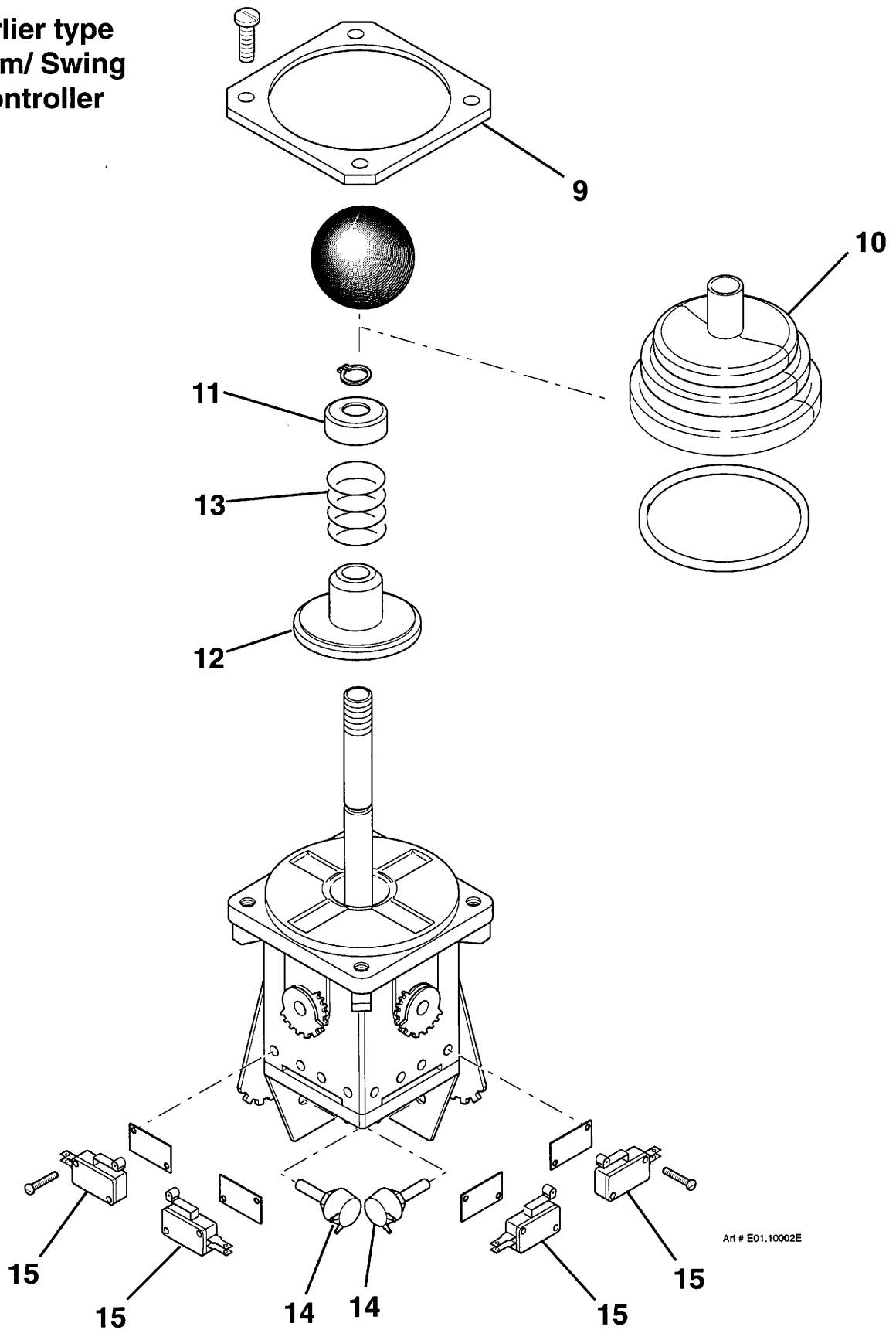
SIMON AERIALS INC.

ORIGIN 07/12/90

PART NO. 3519960

PLATE NO. F05.01

**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**

PARTS LIST

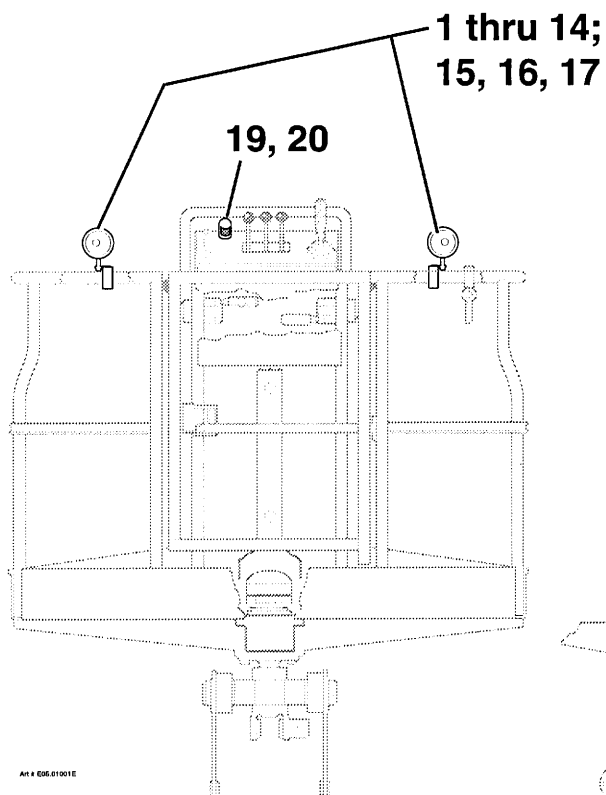
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5050		PLATFORM WORK LIGHT PACKAGE (Flood lamps)	1
2	03-037900		LAMP, TRUCK (12 Volt DC) (incl. #4411 flood lamp bulb)	2
3	03-037902		LAMP, FLOOD (Sealed beam replacement bulb only) (#4411, 12 Volt DC) (See below for Spot lamp bulbs)	1
4	210 7370		BRACKET, 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	03-037900		LAMP, TRUCK (12 Volt DC) (includes #4416 spot lamp bulb)	2
16	No Part #		LAMP, SPOT (Sealed beam replacement spot bulb only) (#4416, 12 Volt DC) (See Item 17 for halogen bulb)	1
17	03-037901		LAMP, SPOT (Sealed beam replacement spot bulb only) (#H7604, 12 Volt DC, Halogen) (See Item 3 for Flood lamp)	1
18	353 5010		LIGHT PACKAGE (includes lamps for platform control panel, ground control panel, and engine compartment)	1
19	03-038800		LAMP, CONTROL PANEL (hooded)	2
20	03-418600		BULB, PANEL LAMP (#68, 12 Volt DC)	1
21	03-035500		LAMP, DOME (Engine compartment)	1
22	No Part #		BULB, DOME LAMP (#93, 12 Volt DC)	1
23	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
24	03-092200		COUPLING, INSULATED (Male, Blue nylon, #14-16 AWG)	2
25	03-092300		COUPLING, INSULATED (Female, Blue nylon, #14-16 AWG)	2
26	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	2
27	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")	6
28	07-062009		WASHER, FLAT (#8)	6
29	07-050111		NUT, LOCK (#10-32, Grade 2, with Nylon insert)	6

TITLE OPTIONAL LIGHT PACKAGES (PLATE 1 OF 3)

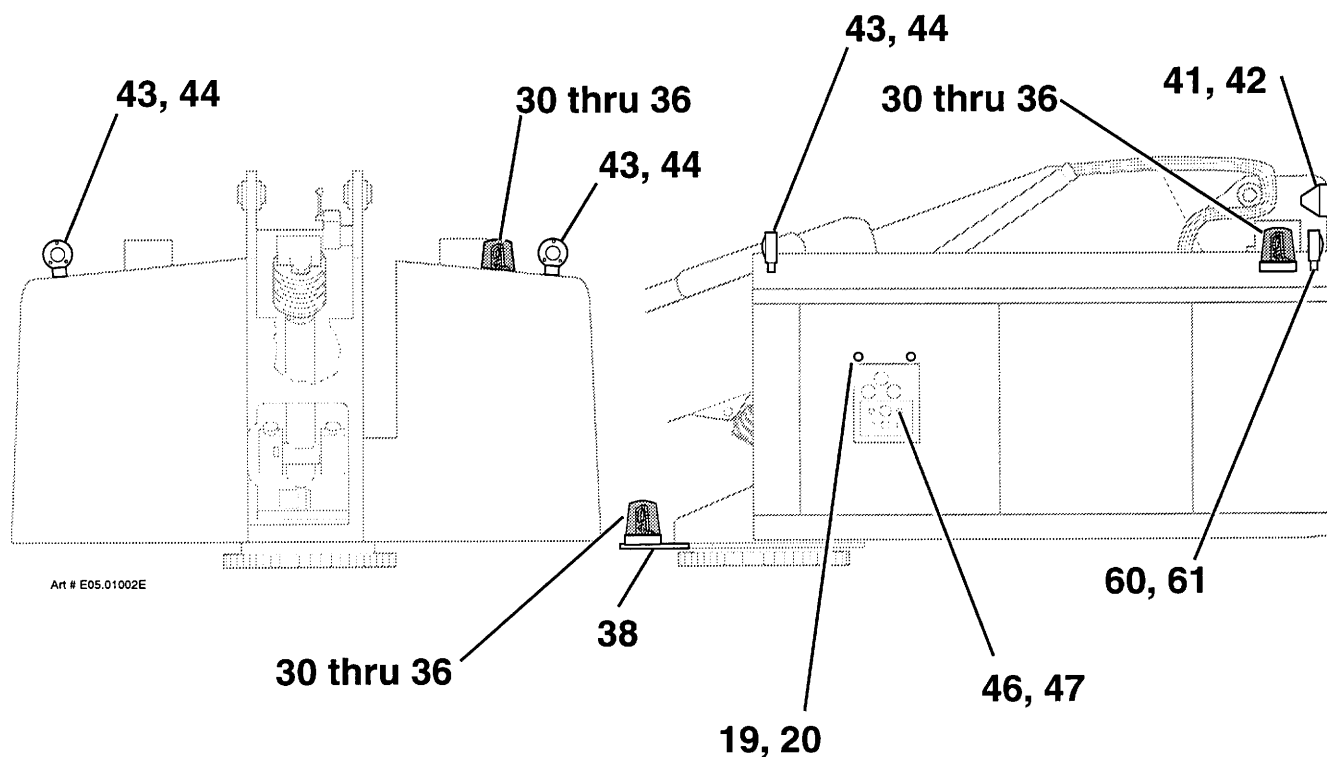
PLATE NO. E05.01 **SIMON AERIALS INC.**

REV. 23 MAR., 1995

PART NO.



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 23 MAR., 1995

**PART
NO.**

**PLATE
NO. E05.01**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	353 5030		ROTARY BEACON PACKAGE (Amber)	1
31	03-030600		BEACON, ROTARY (Amber , 12 Volt DC)	1
32	03-030601		LENS, ROTARY BEACON (Amber replacement lens)	1
33	No Part #		BULB, ROTARY BEACON (#1156, 12 Volt DC)	1
34	03-064800		GROMMET (Plastic)	1
35	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
36	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	1
37	No Part #		LENS, ROTARY BEACON (Red replacement lens only)	1
38	234 5630		BRACKET, ROTARY BEACON MOUNTING	
			(to superstructure rear, near swing motor)	1
39	222 8640		BRACKET, ROTARY BEACON MOUNTING	
			(to underside of platform)	1
40	353 5040		HEAD AND TAIL LIGHT PACKAGE	1
41	03-038000		HEADLAMP (Sealed beam)	2
42	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#H 7609, 12 Volt DC, Halogen) (Also see Item 57)	1
43	03-031200		TAIL LAMP	2
44	No Part #		BULB, TAIL LAMP (#1157, 12 Volt DC)	1
45	03-020400		SWITCH, TOGGLE (2 position, maintained contact,	
			single pole, single throw)	1
46	03-037500		SOCKET, RELAY (Double pole, snap mount)	1
47	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	1
48	03-085200		CABLE, ELECTRICAL (Type SJO, 2 cond., #16 AWG)	
			(Bulk item, order as needed. 20 Ft [6.1 M] needed here)	A.R.
49	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
50	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	12
51	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	12
52	07-031001		STUD, WELD (1/4"-20 x 3/4")	28
53	07-050014		NUT, LOCK (1/4"-20, Grade 5)	28
54	07-062015		WASHER, FLAT (5/16")	28
55	10-060600		CLAMP, LOOP (3/8"	28
56	03-497900		SEAL, PANEL (for headlamp toggle switch)	1
57	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#4419, 12 Volt DC) (See Item 42 for Halogen bulb)	1

TITLE

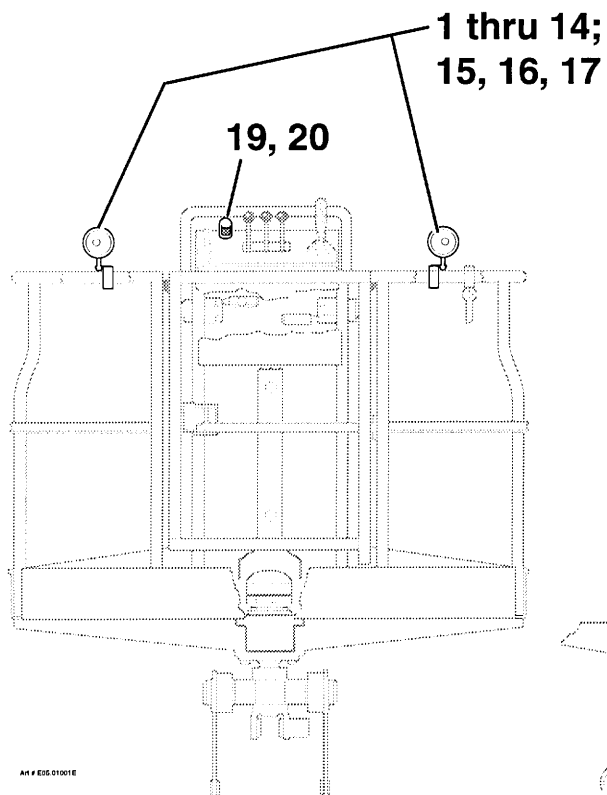
OPTIONAL LIGHT PACKAGES (PLATE 2 OF 3)

PLATE NO. E05.01

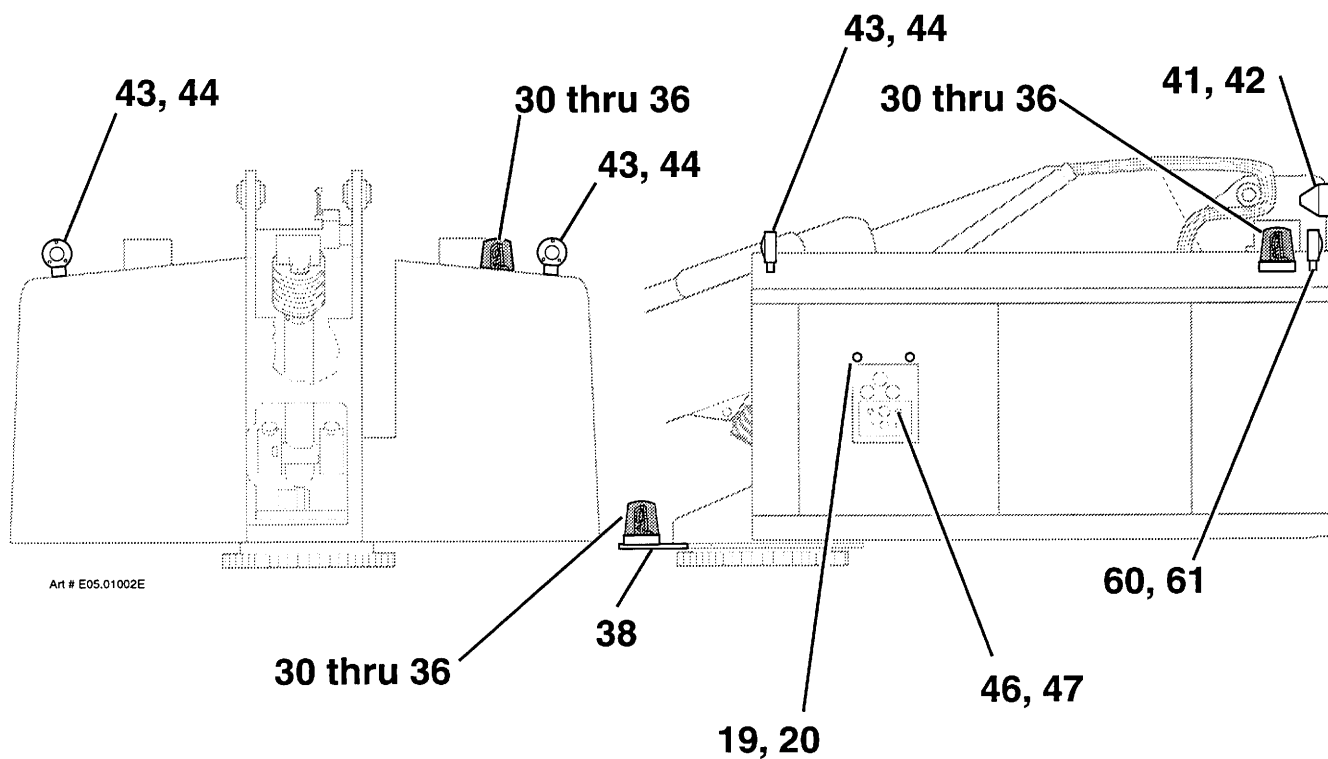
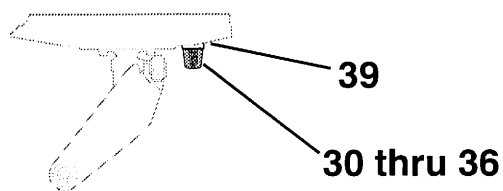
SIMON AERIALS INC.

REV. 23 MAR., 1995

PART NO.



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 23 MAR., 1995

**PART
NO.**

**PLATE
NO.**

E05.01

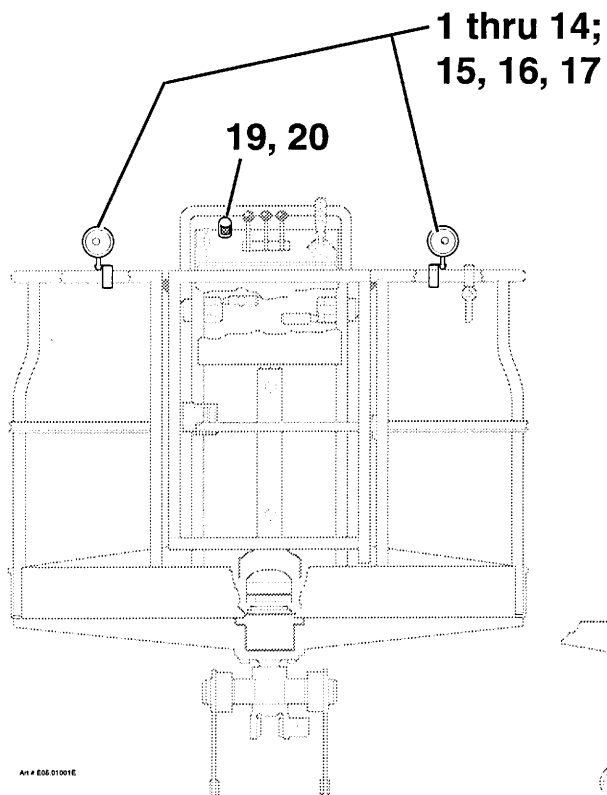
PARTS LIST

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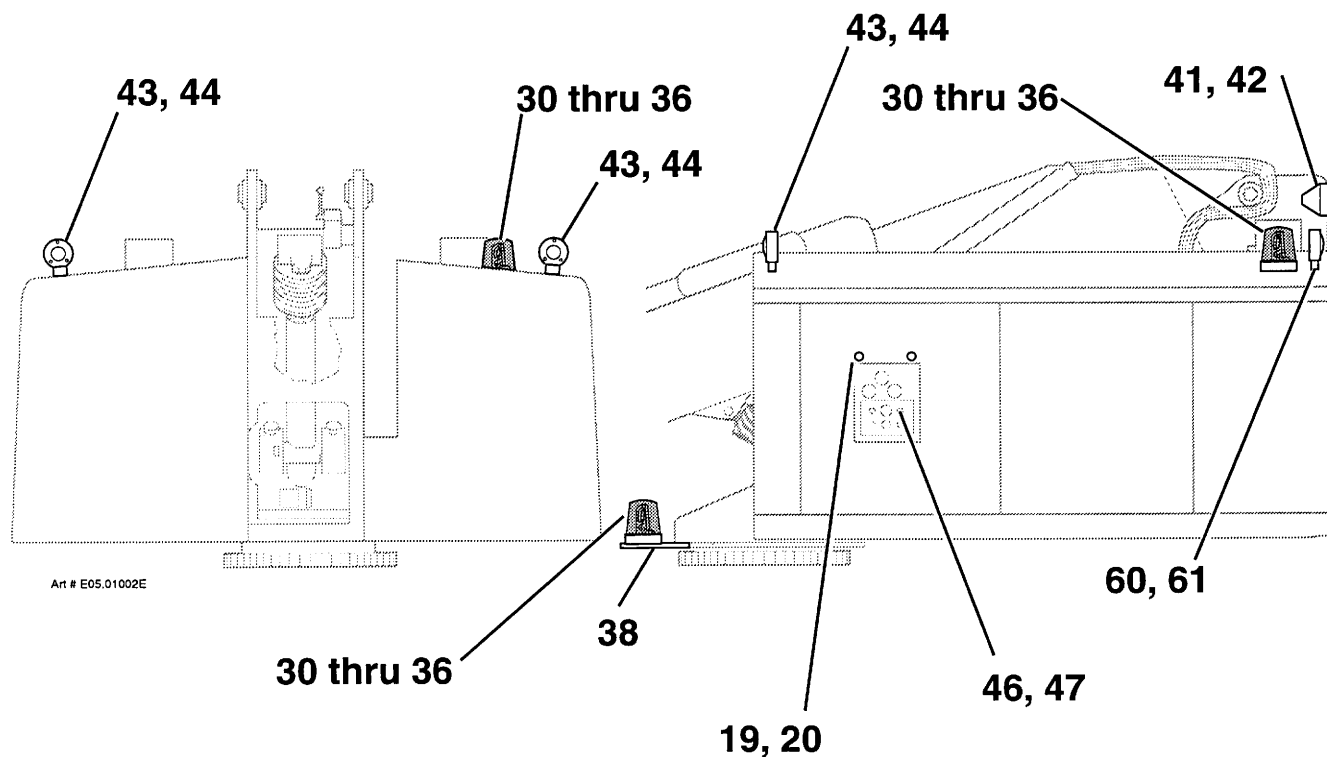
TITLE	OPTIONAL LIGHT PACKAGES (PLATE 3 OF 3)
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PLATE NO.	E05.01	SIMON AERIALS INC.	REV. 23 MAR., 1995	PART NO.
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**PART
NO.**



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 3 OF 3)

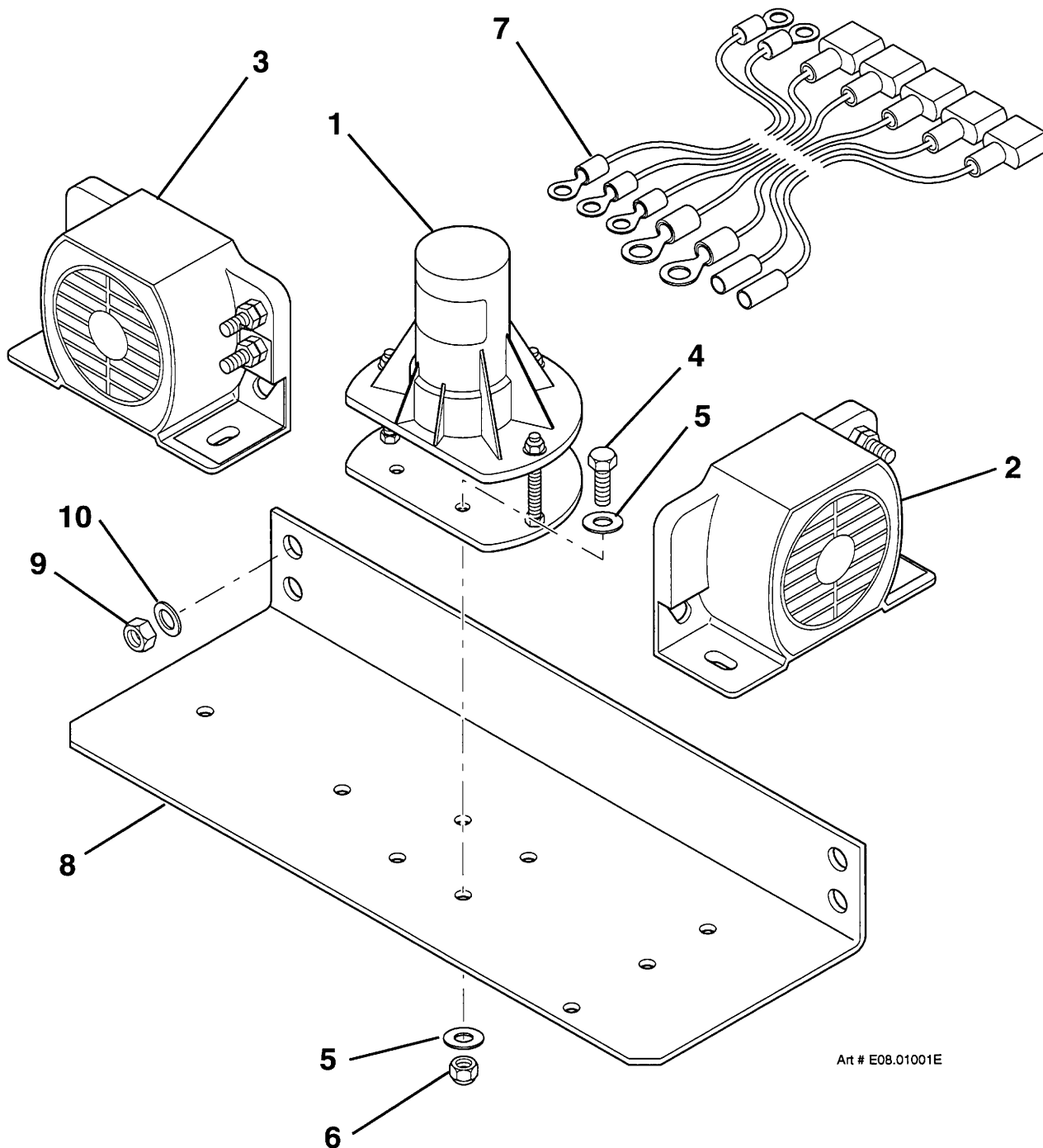
SIMON AERIALS INC.

REV. 23 MAR., 1995

**PART
NO.**

**PLATE
NO. E05.01**

[illegible]



Art # E08.01001E

TITLE

ALARM PACKAGE ASSEMBLY, MP

SIMON AERIALS INC.

NEW 03/11/91

PART
NO.

3505326

PLATE
NO.

E08.01

PARTS LIST

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

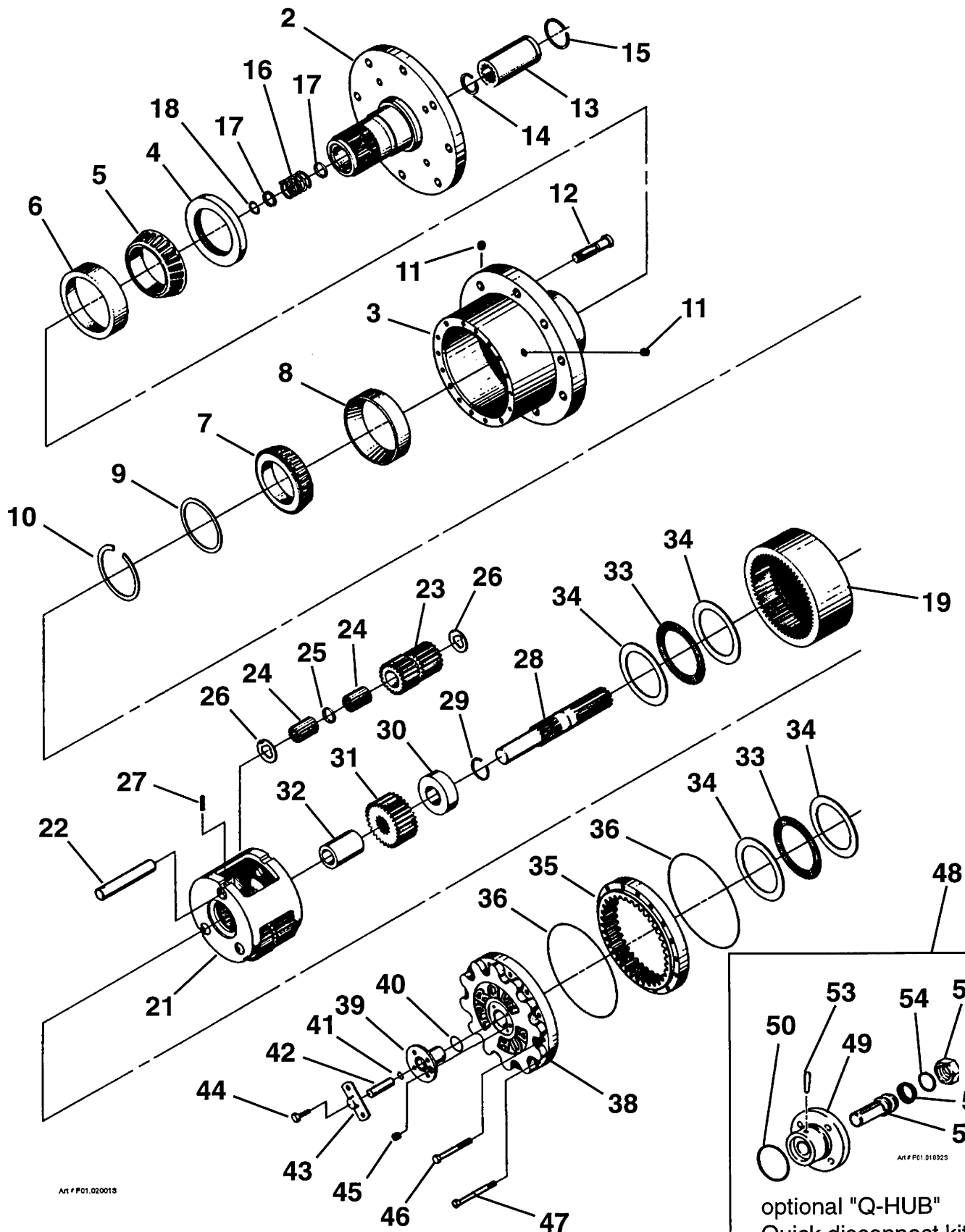
TITLE TORQUE HUB (43:1) (PLATE 1 OF 2)

PLATE NO. F01.02

SIMON AERIALS INC.

REV.05/16/91

PART NO. 02-000600



TITLE

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

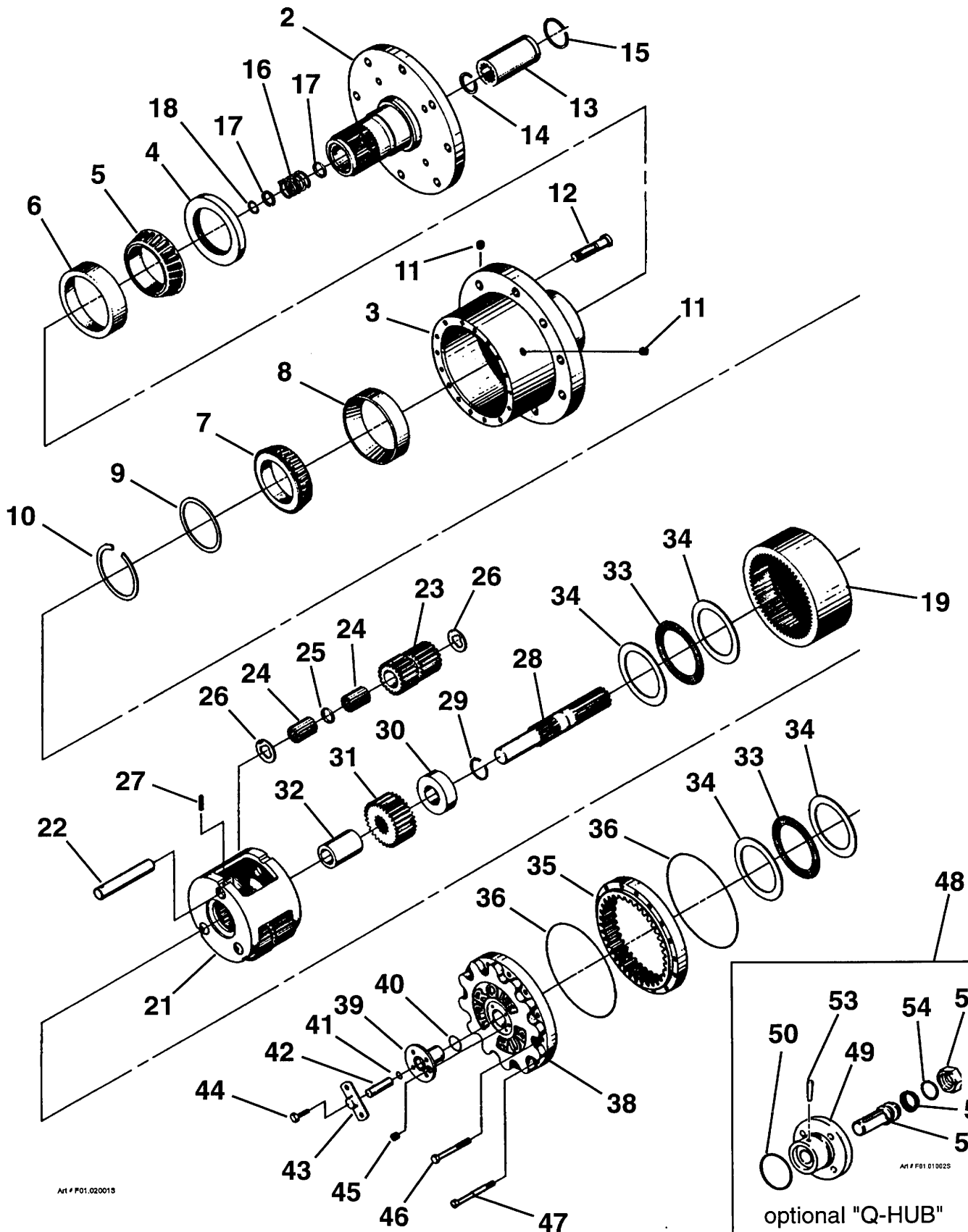
SIMON AERIALS INC.

REV.05/16/91

PART NO. 02-000600

PLATE NO. F01.02

[illegible]



TITLE

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

SIMON AERIALS INC.

REV.05/16/91

PART NO. 02-000600

PLATE NO. F01.02

PARTS LIST

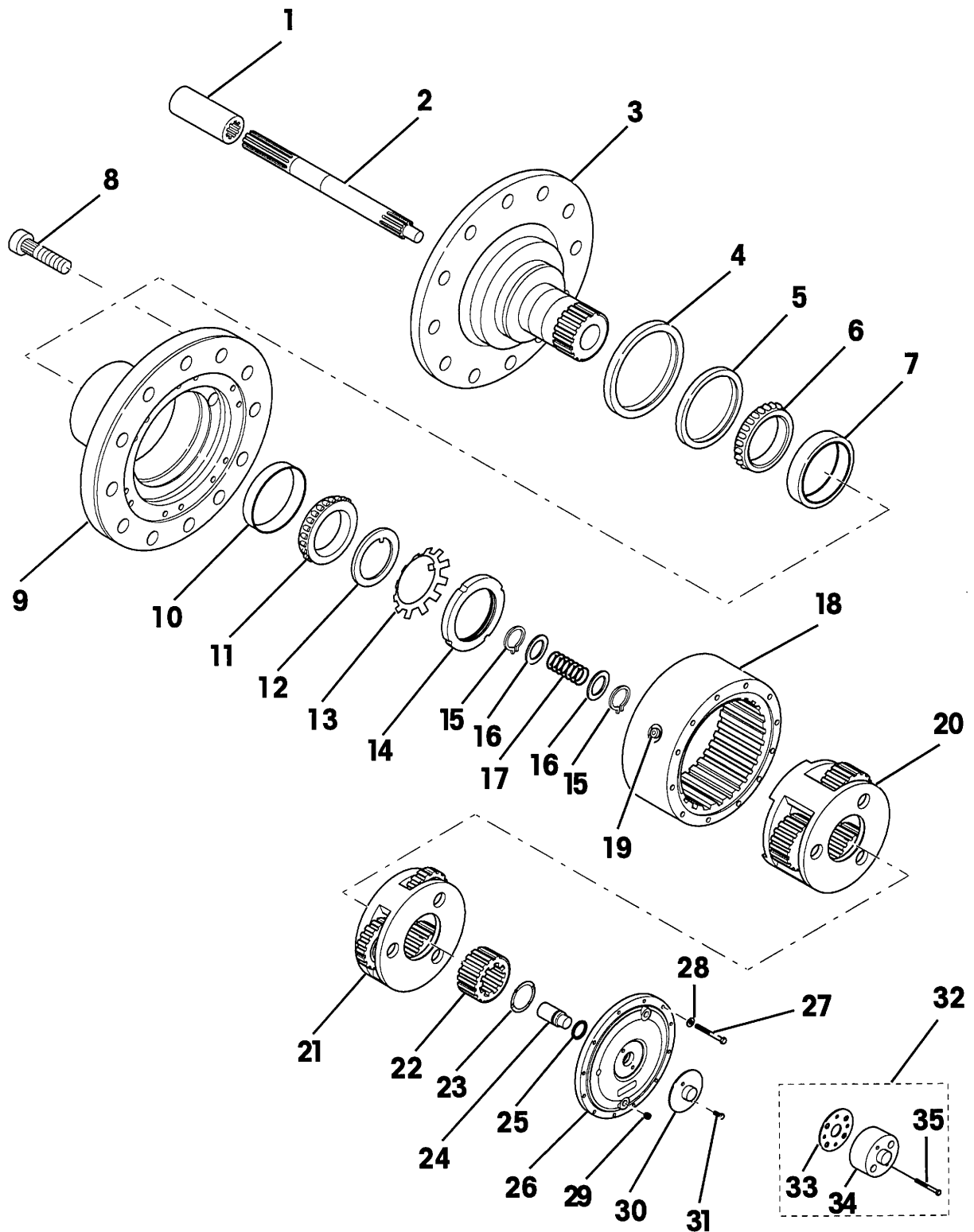
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-048502		COUPLING	1
2	02-048503		SHAFT, INPUT	1
3	02-048504		SPINDLE	1
4	02-048505		SEAL, BOOT	1
5	02-048501		SEAL, OIL	1
6	02-048506		CONE AND ROLLER, HUB BEARING (inner)	1
7	02-048507		CUP, HUB BEARING (inner)	1
8	02-048508		BOLT, WHEEL	10
9	02-048509		HUB	1
10	02-048510		CUP, HUB BEARING (outer)	1
11	02-048511		CONE AND ROLLER, HUB BEARING (outer)	1
12	02-048512		WASHER, THRUST	1
13	02-048513		WASHER, LOCK	1
14	02-048514		NUT, BEARING	1
15	02-048515		RING, RETAINING	2
16	02-048516		WASHER	2
17	02-048517		SPRING, DISENGAGE	1
18	02-048518		GEAR, RING	1
19	02-048519		PLUG, MAGNETIC	1
20	02-048520		CARRIER ASSEMBLY, SECONDARY	1
21	02-048521		CARRIER ASSEMBLY, PRIMARY	1
22	02-048522		SUN GEAR, PRIMARY	1
23	02-048523		WASHER, THRUST	1
24	02-048524		PLUNGER, DISENGAGE	1
25	02-048525		O-RING	1
26	02-048526		COVER	1
27	02-048527		BOLT, HEX HEAD (Grade 8)	12
28	02-048528		WASHER, FLAT	12
29	02-048529		PLUG, PIPE	1
30	02-048530		COVER, DISENGAGE	1
31	02-048531		BOLT, HEX HEAD	2
32	02-048532		CAP KIT, COVER (Quick-disconnect, optional)	1
33			GASKET, QUICK DISCONNECT	1
34			ASSEMBLY, QUICK DISCONNECT	1
35			BOLT, HEX HEAD	2
36	02-048533		SEAL KIT	1

TITLE

TORQUE HUB (AUBURN)

SECTION **F01.** | PLATE NO. **08** | PAGE **01** | REV. - | DATED 30 OCT. 1996 | PART NO. **02-048500**

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
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Art# F01.08001E

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TITLE

TORQUE HUB (AUBURN)

PART NO. 02-048500

REV. - DATED 30 OCT. 1996

SECTION F01.

PLATE NO. 08

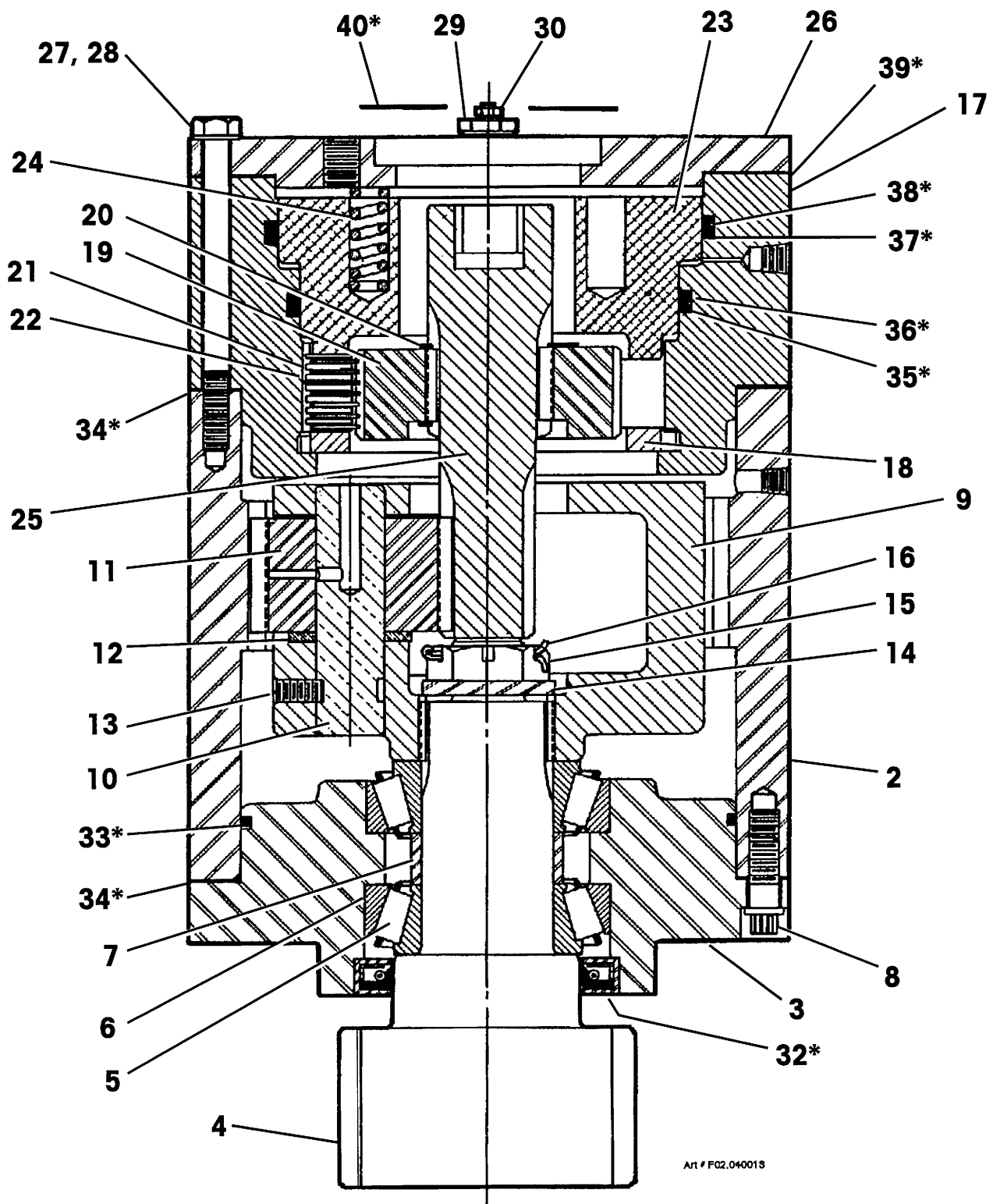
PAGE 01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-006100		SWING REDUCER ASSEMBLY (Identified on nameplate as "D105 00029-1" or "D105-00036-1")	1
2			HOUSING, SWING REDUCER	1
3	02-006111		PLATE, BASE	1
4	02-006102		SHAFT, OUTPUT	1
5	02-005703		CONE AND ROLLER, OUTPUT SHAFT BEARING	2
6	02-006114		CUP, OUTPUT SHAFT BEARING	2
7	02-006107		SPACER, BEARING	1
8	02-006115		CAP SCREW, FERRY (7/16"-14 x 1-1/4")	5
9	02-006117		CARRIER, PLANET	1
10	02-006103		SHAFT, PLANET GEAR	3
11	02-006118		GEAR, PLANET	3
12	02-006119		BEARING, THRUST	3
13	02-006120		SET SCREW, HEX SOCKET (5/16"-18 x 1/2")	3
14	02-006106		WASHER	1
15	02-006108		NUT, CASTLE	1
16			KEY, COTTER	1
17			CYLINDER, BRAKE	1
18			PLATE, BACK-UP	1
19	02-006116		DRIVER, BRAKE	1
20			SNAP RING	2
21	02-006113		DISC, BRAKE (stationary)	7
22	02-006112		DISC, FRICTION (rotating)	7
23	02-006110		PISTON, BRAKE	1
24	02-006109		SPRING, BRAKE	12
25	02-006104		SHAFT, INPUT	1
26	02-006101		COVER	1
27			CAP SCREW, HEX HEAD (3/8"-16 x 4-1/2", Grade 5)	6
28			WASHER, HELICAL LOCK (3/8")	6
29			BUSHING, REDUCER (1/2" to 1/8" NPT)	1
30			PLUG, VENT	1
31	02-005701		SEAL KIT Note: items in kit identified by asterisk (*).	1
32			SEAL, OUTPUT SHAFT	1
33			"O"-RING, BASE PLATE	1
34			GASKET, HOUSING	2
35			"O"-RING	1
36			RING, BACKUP	1
37			"O"-RING	1
38			RING, BACKUP	1
39			GASKET, COVER	1
40			GASKET, MOTOR	1

TITLE SWING REDUCER ASSEMBLY					
SECTION	F02.	PLATE NO.	04	PAGE	01
REV.	-	DATED	26 AUG., 1994	PART NO.	02-006 100


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TITLE

SWING REDUCER ASSEMBLY

PART NO. 02-006 100

REV. -

DATED 26 AUG., 1994

SECTION F02.

PLATE NO. 04

PAGE 01

PARTS LIST

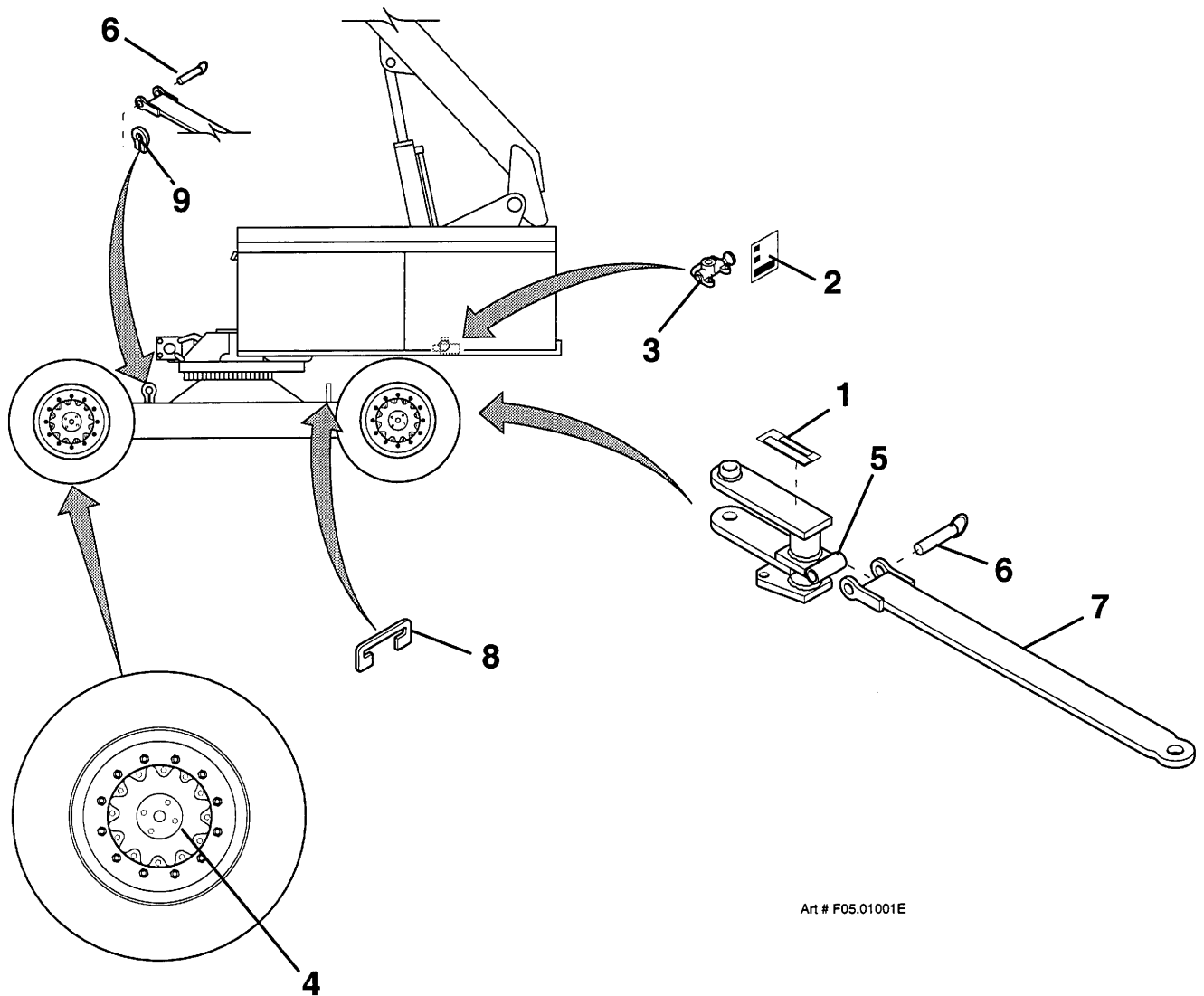
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TITLE	TOWING EQUIPMENT (OPTIONAL)
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PLATE NO. F05.01

SIMON AERIALS INC. ORIGIN 07/12/90

PART NO.	3519960
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TITLE

TOWING EQUIPMENT (OPTIONAL)

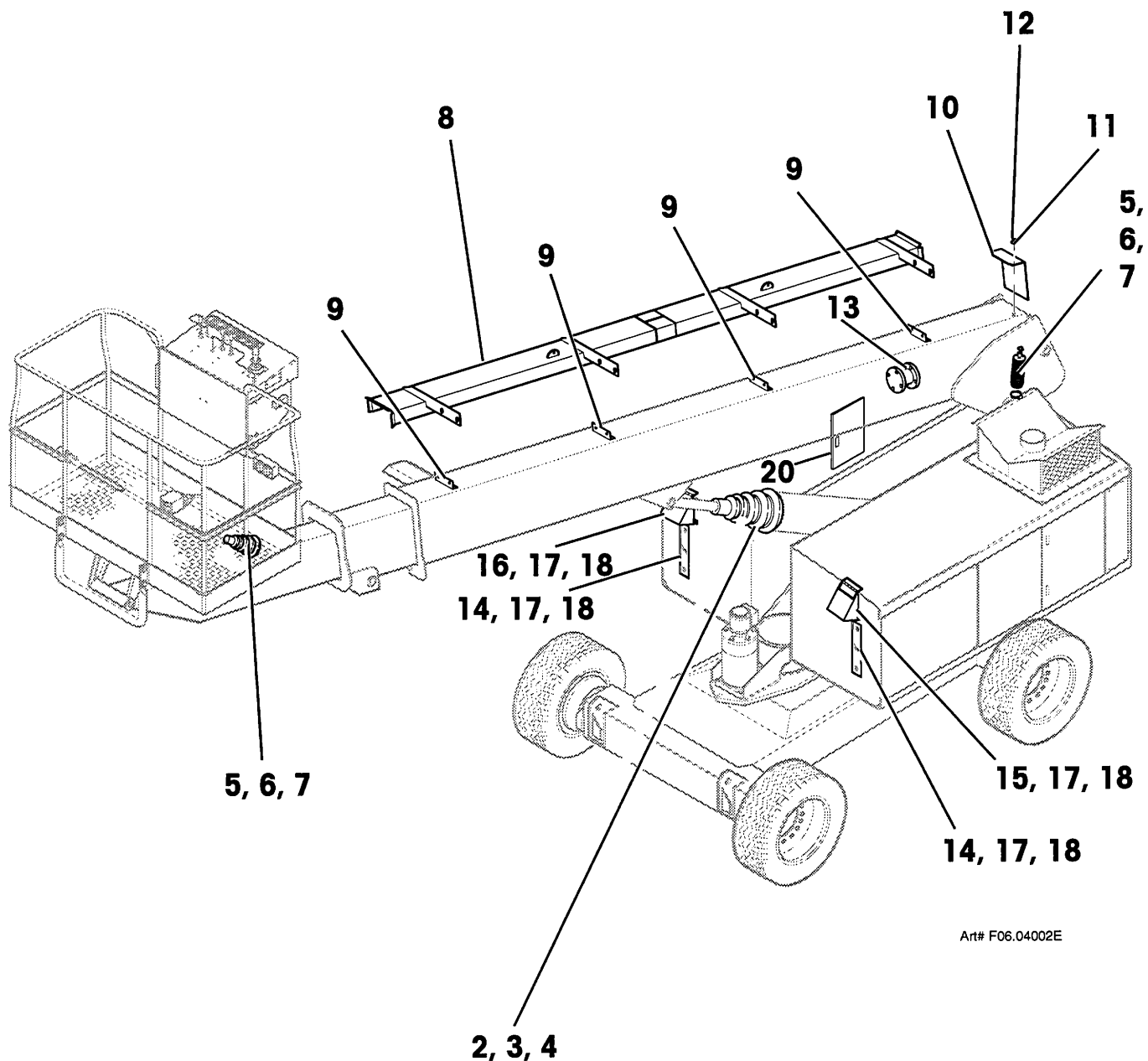
SIMON AERIALS INC.

ORIGIN 07/12/90

PART NO. 3519960

PLATE NO. F05.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOSTILE ENVIRONMENT PACKAGE	1
2	10-106400		BOOT, BOOM LIFT CYLINDER (with zipper)	1
3	09-003700		CLAMP, HOSE (6-1/2")	1
4	09-008700		CLAMP, HOSE (4-1/2")	1
5	10-103000		BOOT, LEVEL CYLINDER (with zipper)	2
6	09-008400		CLAMP, HOSE (1-3/4")	2
7	09-015000		CLAMP, HOSE (2-1/2")	2
8	212 6430		COVER, CATRAC HOSE	1
	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2")	8
	07-062016		WASHER, FLAT (3/8")	16
	07-050016		NUT, LOCK (3/8"-16)	8
9	211 7960		ANGLE (3" x 2" x 1/4" x 6")	4
10	231 7870		COVER, BOOM FOOT	1
11	07-062014		WASHER, FLAT (1/4")	2
12	07-044014		NUT, ACORN (1/4"-20)	2
13	235 1580		SPACER, TELESCOPE CYLINDER (base end)	1
14	217 0760		COVER, SIGHT GUAGE	2
15	208 1629		COVER, HYDRAULIC TANK FILLER	1
16	219 9690		COVER, FUEL TANK FILLER	1
17	07-062014		WASHER, FLAT (1/4")	8
18	07-044014		NUT, ACORN (1/4"-20)	8
			The following items are not part of the Hostile Environment Package, but are sold separately:	
19	10-159100		COVER, PLATFORM CONTROL CONSOLE (Black vinyl) (not shown)	1
20	232 6050		DOOR, ACCESS	1
TITLE			HOSTILE ENVIRONMENT PACKAGE, MP 60	
SECTION	F06.	PLATE NO.	04	PAGE 01
		REV.	-	DATED 31 DEC. 1996
		PART NO.		
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Art# F06.04002E

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TITLE

HOSTILE ENVIRONMENT PACKAGE, MP 60

PART
NO.

REV.
-

DATED
31 DEC. 1996

SECTION

F06.

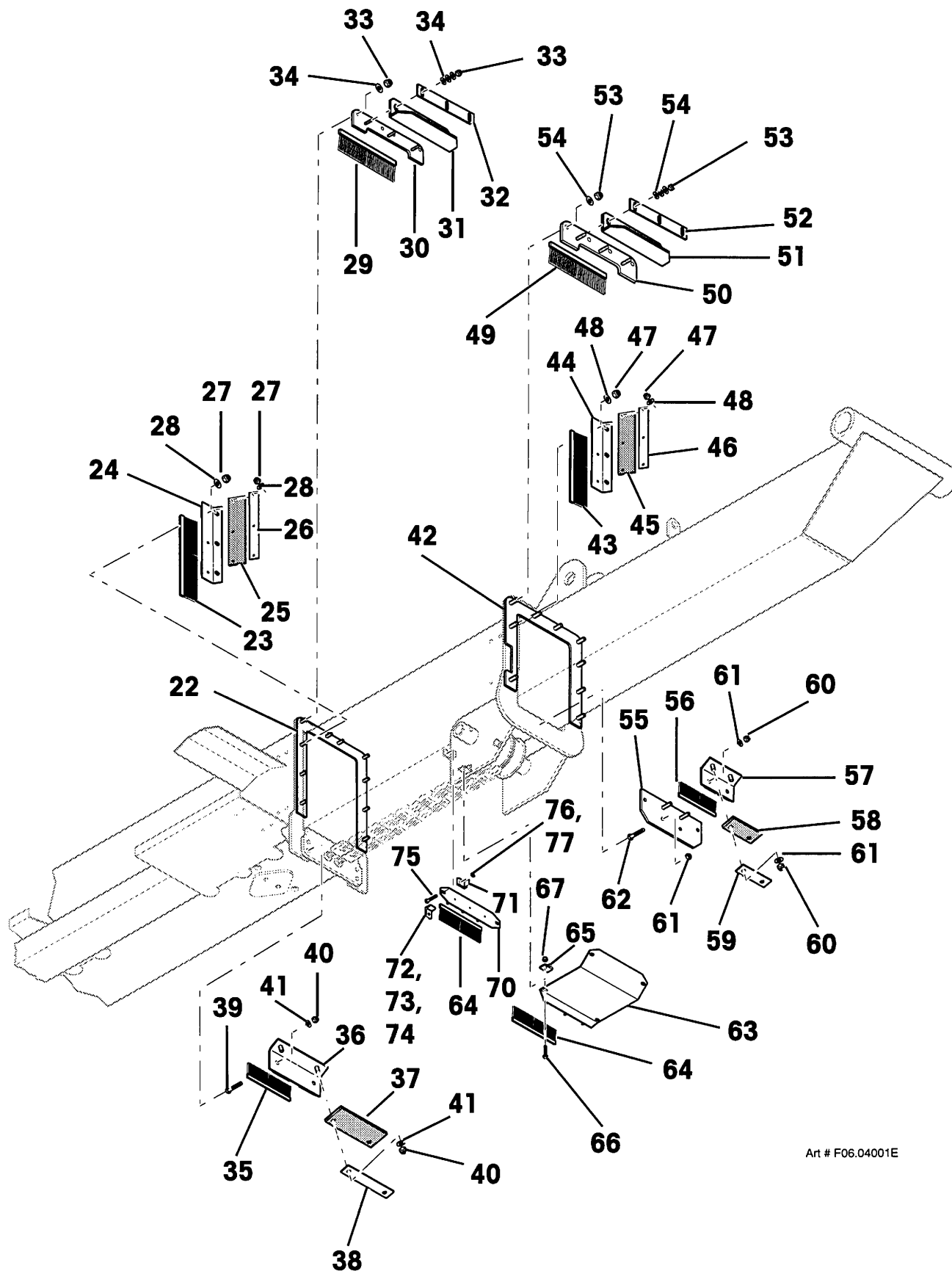
PLATE NO.

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PAGE

01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	231 7890		BOOM BRUSH AND WIPER ASSEMBLY	1
22	231 7440		FRAME, MOUNTING	1
23	231 7790		BRUSH ASSEMBLY, BOOM	2
24	231 7490		SEAL PLATE, BASE BOOM SIDE	2
25	231 7770		WIPER. BOOM SEAL	2
26	231 7780		CLAMP, BRUSH	2
27	07-050016		NUT, LOCK (3/8"-16, Grade 5)	6
28	07-062016		WASHER, FLAT (3/8")	6
29	209 3433		BRUSH ASSEMBLY, BOOM	1
30	231 7460		SEAL PLATE, BASE BOOM TOP	1
31	231 7540		SCRAPER, BOOM SEAL	1
32	231 7550		CLAMP, BRUSH	1
33	07-050016		NUT, LOCK (3/8"-16, Grade 5)	3
34	07-062016		WASHER, FLAT (3/8")	A.R.
35	217 6690		BRUSH ASSEMBLY, BOOM	1
36	231 7520		ANGLE, MOUNTING	1
37	231 7750		WIPER, BOOM SEAL	1
38	231 7760		SEAL PLATE, BASE BOOM BOTTOM	1
39	07-031008		STUD, WELD (3/8"-16 x 1")	2
40	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
41	07-062016		WASHER, FLAT (3/8")	2
42	231 7700		FRAME, MOUNTING	1
43	231 7820		BRUSH ASSEMBLY, BOOM	2
44	231 7580		SEAL PLATE, BASE BOOM SIDE	2
45	231 7830		WIPER. BOOM SEAL	2
46	231 7840		CLAMP, BRUSH	2
47	07-050016		NUT, LOCK (3/8"-16, Grade 5)	6
48	07-062016		WASHER, FLAT (3/8")	6
49	209 3446		BRUSH ASSEMBLY, BOOM	1
50	231 7560		SEAL PLATE, BASE BOOM TOP	1
51	231 7620		SCRAPER, BOOM SEAL	1
52	231 7630		CLAMP, BRUSH	1
53	07-050016		NUT, LOCK (3/8"-16, Grade 5)	3
54	07-062016		WASHER, FLAT (3/8")	A.R.
55	231 7850		PLATE, MOUNTING, BRUSH	1
56	217 6030		BRUSH ASSEMBLY, BOOM	1
57	231 7600		ANGLE, MOUNTING	1
58	231 7800		WIPER. BOOM SEAL	1
59	231 7810		CLAMP, BRUSH	1
60	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
61	07-062016		WASHER, FLAT (3/8")	2
62	07-031008		STUD, WELD (3/8"-16 x 1")	2
TITLE			HOSTILE ENVIRONMENT PACKAGE, MP 60	
SECTION	F06.	PLATE NO.	04	PAGE 02
REV.	-	DATED	31 DEC. 1996	PART NO.
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Art # F06.04001E

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TITLE

HOSTILE ENVIRONMENT PACKAGE, MP 60

PART
NO.

REV.

DATED
31 DEC. 1996

SECTION

F06.

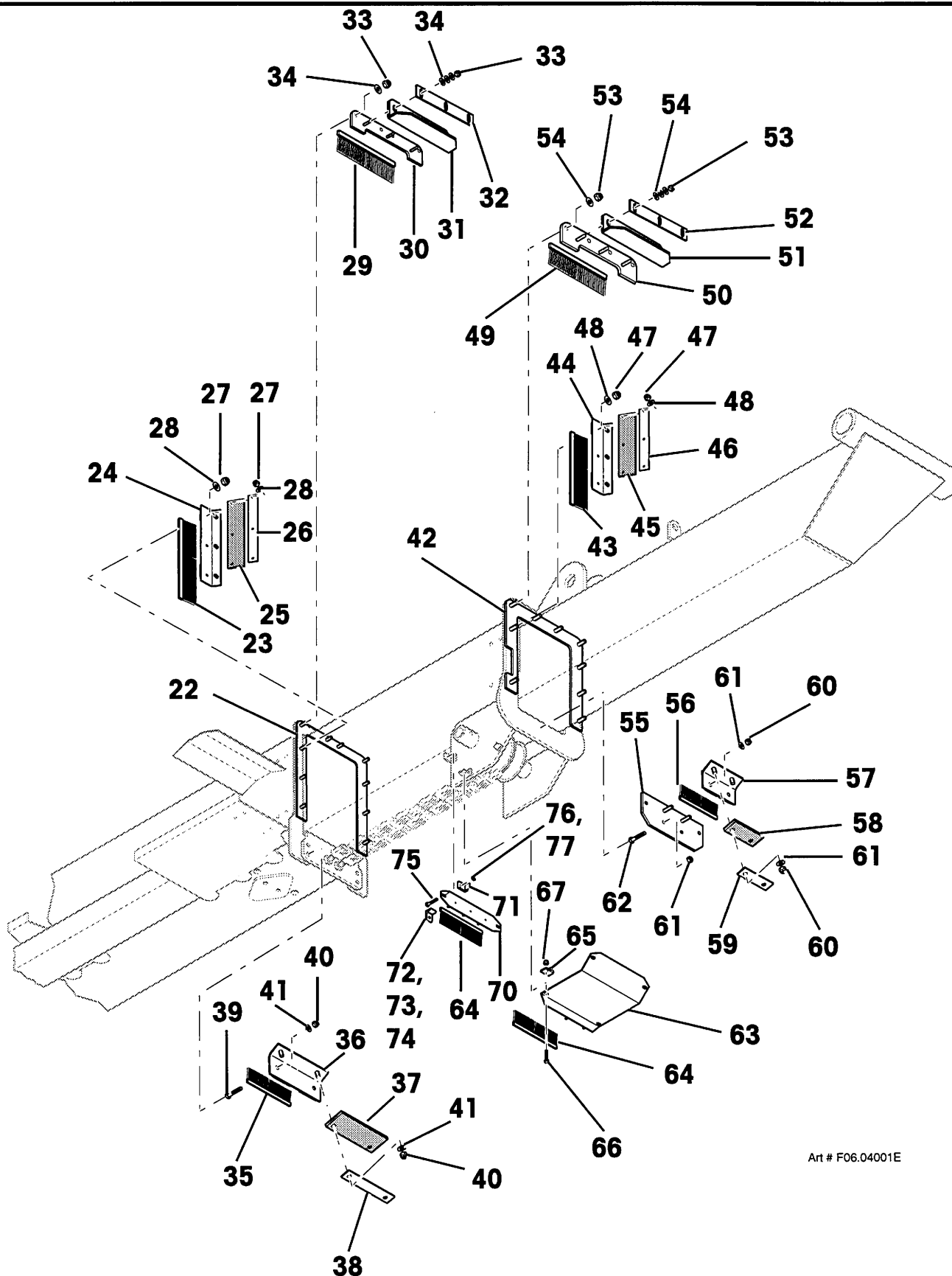
PLATE NO.

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PAGE

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Art # F06.04001E

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TITLE

HOSTILE ENVIRONMENT PACKAGE, MP 60

PART
NO.

REV.
-

DATED
31 DEC. 1996

SECTION

F06.

PLATE NO.

04

PAGE

03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, MP (Not available. Order decals individually)	
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1
3	10-145100		DECAL, "DANGER" (Electrocution)	2
4	10-142100		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
5	10-094700		DECAL, "CAUTION, HOT WATER . . ."	
			(for versions with liquid cooled engine)	1
6	10-094900		DECAL, "CAUTION, ROTATING FAN . . ."	
			(for versions with liquid cooled engine)	1
7	10-025400		DECAL, ENGINE MAINTENANCE (decals are marked "F3-6L912" and "2973582") (used with Deutz 912 engine)	1
8	10-135100		DECAL, "FOR LUBRICATION OF SWING BEARING . . ."	
			(with optional oil bath swing bearing)	1
9			PLACARD, FUEL	1
	10-117900		"GASOLINE ONLY" (Black type on white)	
	10-151100		"DIESEL FUEL ONLY" (Black type on white)	
10	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
11			DECAL, GROUND ELECTRICAL CONTROLS	1
	10-144300		Standard (3 Gauge cutouts, 6 Switch cutouts)	
	10-259200		Special Electric-powered (2 Gauge and 4 Switch cutouts)	
12			DECAL, GROUND CONTROL VALVES	1
	10-087400		With "Full Hydraulic" controls.	
	10-158600		With "Electro-Proportional" controls.	
13			PLACARD, REMOTE CONTROL PENDANT	1
	10-131500		Pendant has 3 toggle switches on front.	
	10-016400		Pendant has 5 toggle switches on front, 2 buttons on side. (modify to remove "High/ Low speed" switch hole at top)	
14	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
15	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	2
TITLE DECALS, MP 40 THRU MP 80 (PLATE 1 OF 3)				
PLATE NO.	F99.10	SIMON AERIALS INC.		PART NO.
		REV. 28 FEB., 1995		



DECALS, MP 40 THRU MP 80 (PLATE 1 OF 3)

PLATE NO.	F99.10
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PARTS LIST

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

TITLE

DECALS, MP 40 THRU MP 80 (PLATE 2 OF 3)

PLATE NO. F99.10

SIMON AERIALS INC.

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PART NO.

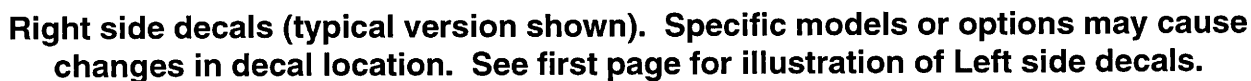


PLATE NO. F99.10

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
24			DECAL, PLATFORM ELECTRICAL CONTROLS With "Full Hydraulic" controls Yellow background around Emergency stop button	1
	10-222300			
	10-145900		Red background around Emergency stop button	
25	10-224800		DECAL, "DRIVE SPEED . . ." (with optional 2 speed drive)	1
26			PLACARD, PLATFORM LEVEL AND ROTATE CONTROLS	1
	10-147400	shown	Standard (Lexan)	
	10-241200		Optional (Stencil-cut aluminum)	
	10-241400		SPACER (needed with aluminum control placard)	4
27	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
28	10-012000		DECAL, "CONTROL INSTRUCTIONS . . ." (with "Hydraport" controls)	1
29	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
30	10-105900		DECAL, "SIMON" NAME (White, 5" [127 mm] high)	1
31	10-131200		DECAL, MODEL "MP 40"	2
	10-133300		DECAL, MODEL "MPH 42"	2
	10-132000		DECAL, MODEL "MP 50"	2
	10-131100		DECAL, MODEL "MP 60"	2
	10-133400		DECAL, MODEL "MPH 60"	2
	10-132100		DECAL, MODEL "MP 70"	2
	10-132200		DECAL, MODEL "MP 80"	2
32	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	2
33	10-121600		DECAL, "MADE IN U.S.A."	1
34	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed)	A.R.
35	10-126900		DECAL, STRIPE ([3] Dk Gray stripes, 2-1/8" [54 mm] wide) (Bulk item, order as needed)	A.R.
36	10-031000		"SAF STEP" (Black) (4" [102 mm] wide x 60 Ft [18.3 M] long roll)	A.R.
			The following items are used on some special versions:	
37	10-123000		DECAL, "CHARGER PLUG"	1
38	10-123100		DECAL, "MOTOR PLUG"	1
TITLE DECALS, MP 40 THRU MP 80 (PLATE 3 OF 3)				
PLATE NO. F99.10		SIMON AERIALS INC.		PART NO.
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