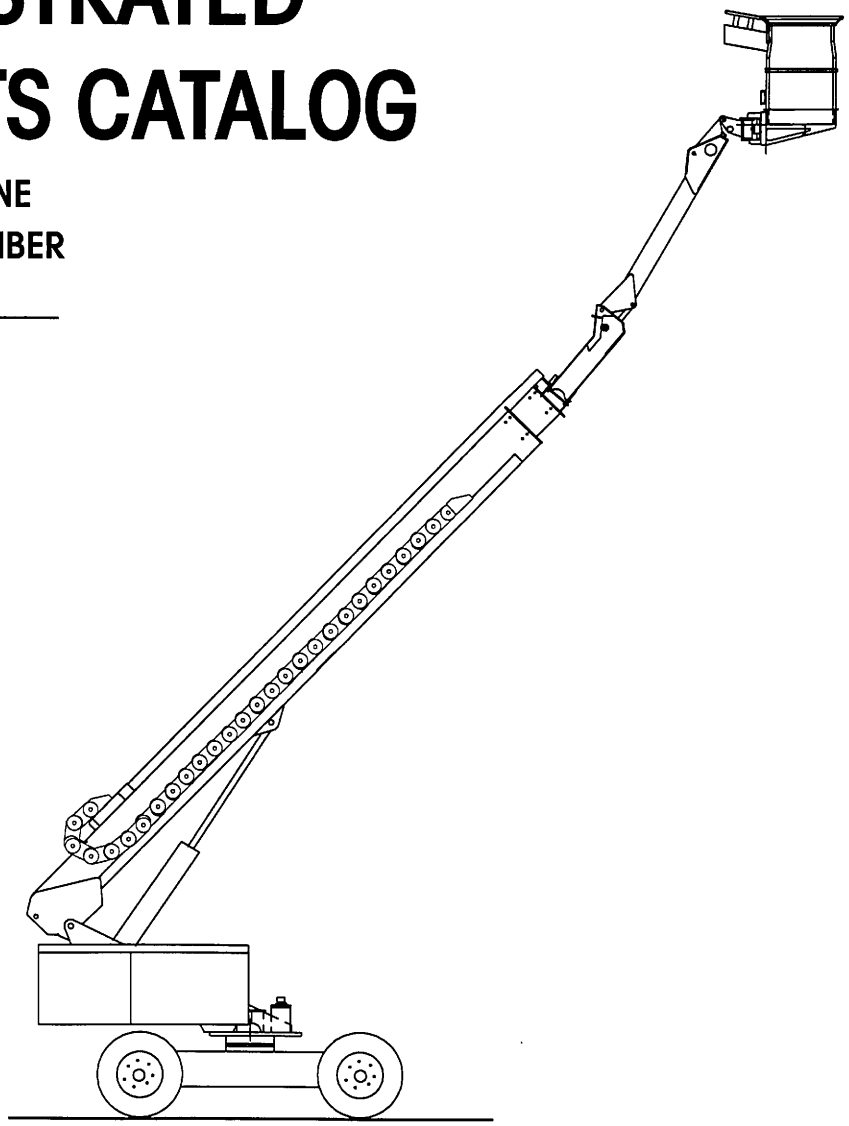
TEREX AERIALS
Milwaukee, Wisconsin

RP 66 "Reach Plus"

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER

_____



Part No. 89-165005 • Revision "0.4" dated Mar. 1997 •

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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 RP 66 "REACH PLUS" AERIAL PLATFORMS. 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 ensure 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 the RP 66 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, B02, B03, and 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:

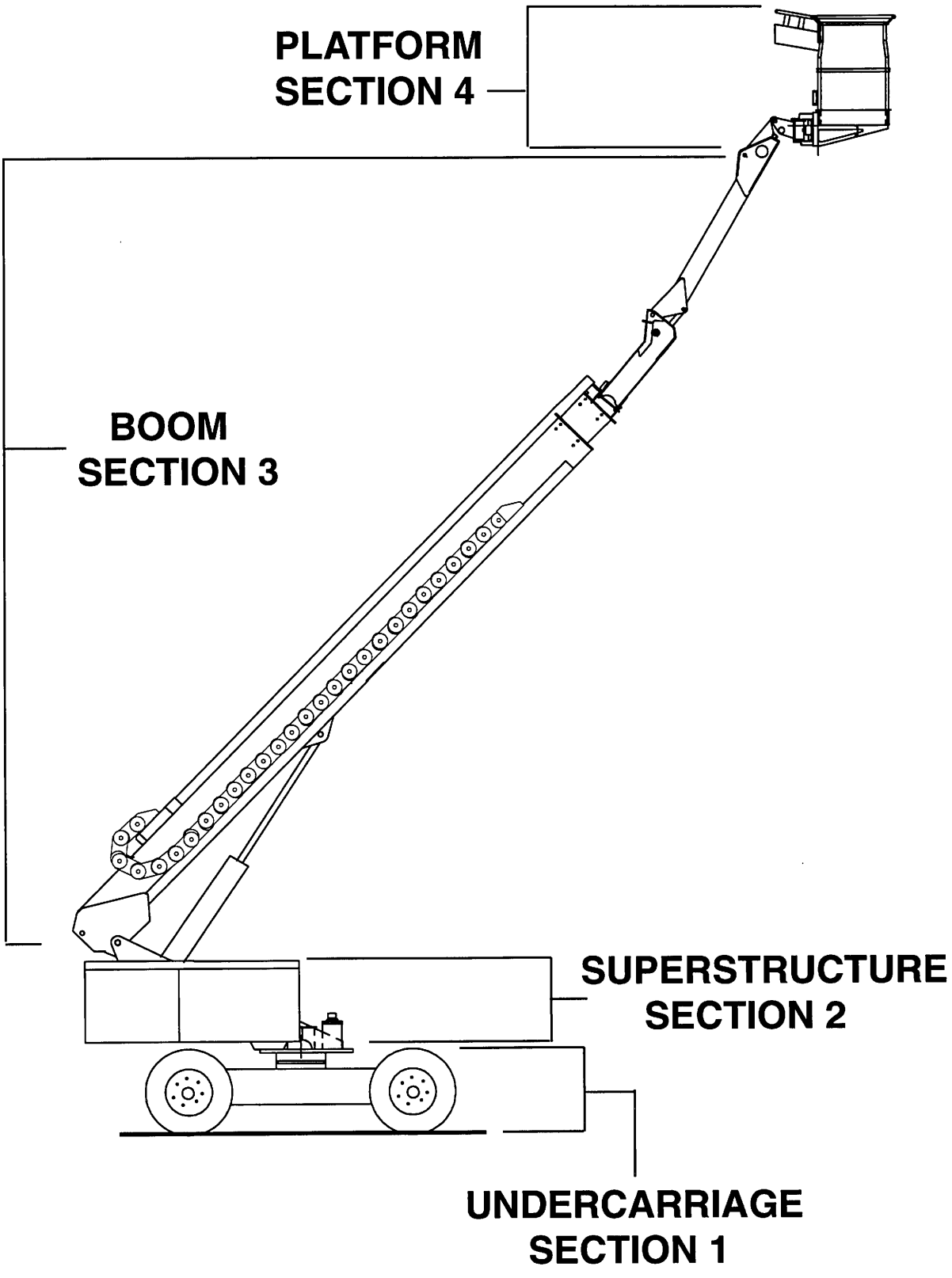
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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 unit 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. The Platform must be in the operating position (not in the folded "STOW-*N*-GO™" mode), and 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 units.

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



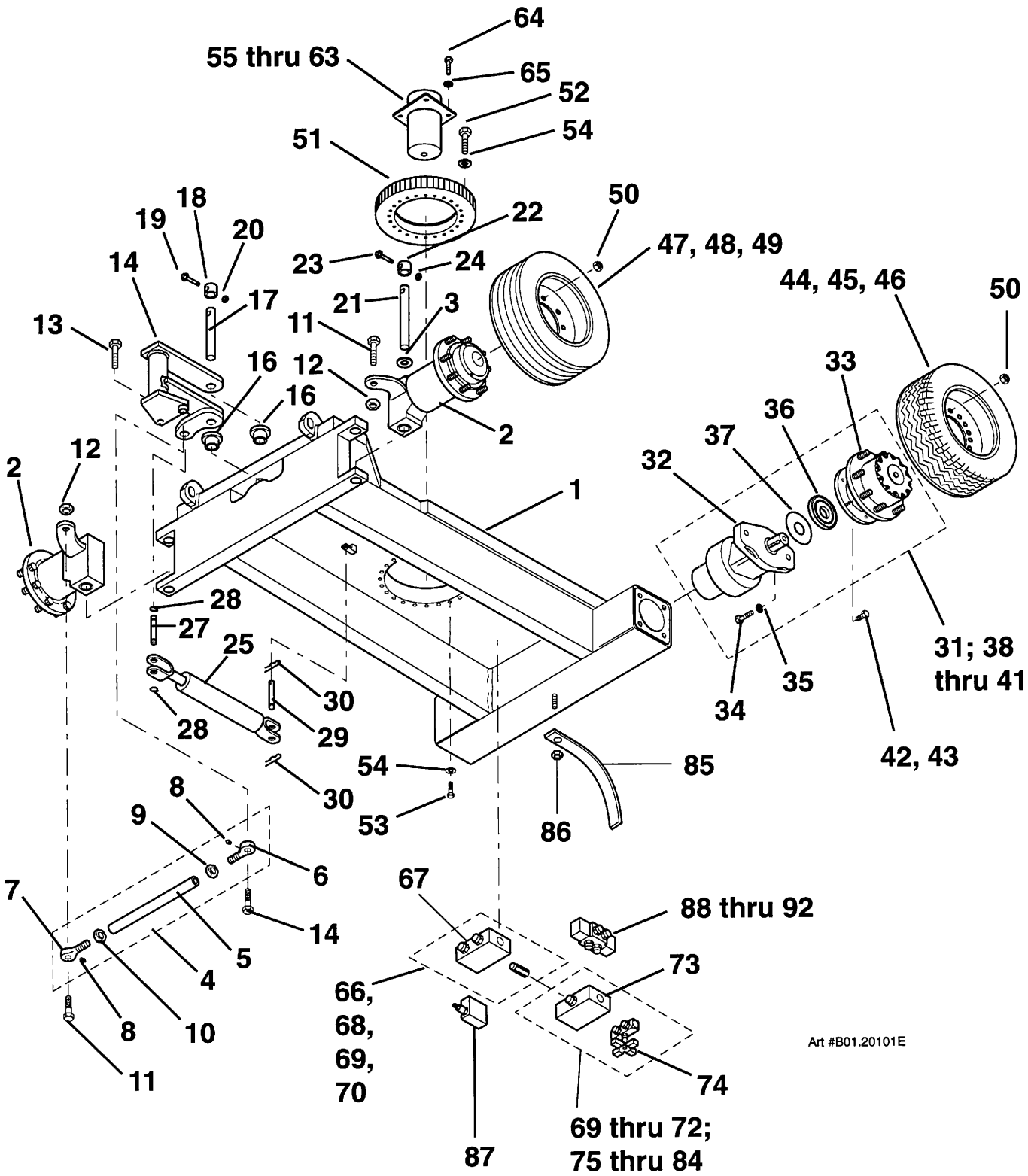
TITLE	PRIMARY MACHINE COMPONENT GROUPS	
SIMON AERIALS INC.	PART NO.	PLATE NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			For 4WD components, see plate B01.299.	
1			UNDERCARRIAGE WELDMENT (for two-wheel drive)	1
2	3502495	C01.14	SPINDLE ASSEMBLY (Right hand) (for two-wheel drive)	1
	3503089	C01.15	SPINDLE ASSEMBLY (Left hand) (for two-wheel drive)	1
3	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	2
4	3510483		TIE ROD ASSEMBLY	2
5	2105110		TIE ROD	1
6	08-007100		END, TIE ROD (R.H. thread)	1
7	08-060600		END, TIE ROD (L.H. thread)	1
8	08-053100		FITTING, GREASE (1/4"-28, Straight)	1
9	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 2)	1
10	07-047222		NUT, JAM (3/4"-16, L.H. thread, Grade 2)	1
11	07-004650		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/4", Grade 8)	2
12	07-047122		NUT, HEX JAM (3/4"-16, Grade 2)	2
13	07-004651		CAP SCREW, HEX HEAD (3/4"-16 x 2-1/2", Grade 8)	2
14			ARM, CENTER STEER (without tow package)	1
	2004208		Steer arm pivot to cylinder dimension is 6.5" (165 mm).	1
	2302530		Pivot to cylinder dim. 6.84" (174 mm) (later 4WD versions).	1
	2103610		ARM, CENTER STEER (with tow package)	1
15	2004277		SPACER, CENTER STEER ARM [7/8" (22 mm) thick]	1
16	08-002000		BEARING, FLANGED (1-1/2" I.D.,1-3/4"-2" O.D.,1-1/2" dia.)	2
17	2186910		PIN, STEER ARM (1-1/2" dia. x 11-3/4" long)	1
18	2144330		COLLAR, LOCK (1-1/2")	1
19	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
20	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
21	2105980		PIN, SPINDLE (1-1/2" dia. x 11-3/4" long)	2
22	2106320		COLLAR, LOCK (1-1/2")	2
23	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
24	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
25	See index	D01.--	CYLINDER, STEER	1
26	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
27	2171250		PIN, STEER CYLINDER (1" dia. x 3-7/16") (rod end)	1
28	08-040600		RING, RETAINING (1")	2
29	04-003401		PIN, STEER CYLINDER (1" dia. x 3-1/2" long) (base end)	1
30	04-003404		CLIP, HAIR PIN	2
31	3502473		DRIVE HUB ASSEMBLY	2
32	See index	D03.--	MOTOR, HYDRAULIC	1
33	See index	F01.--	HUB, TORQUE	1
34	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
35	07-065018		WASHER, HELICAL LOCK (1/2")	2
36	01-030900		SEAL, MOTOR TO TORQUE HUB	1
37	2176980		SPACER, MOTOR TO TORQUE HUB	1

TITLE UNDERCARRIAGE, RP 66 (2WD) (PLATE 1 OF 4)

PLATE NO.		PART NO.
B01.201	**SIMON AERIALS INC.** NEW 28 JUL., 1994	



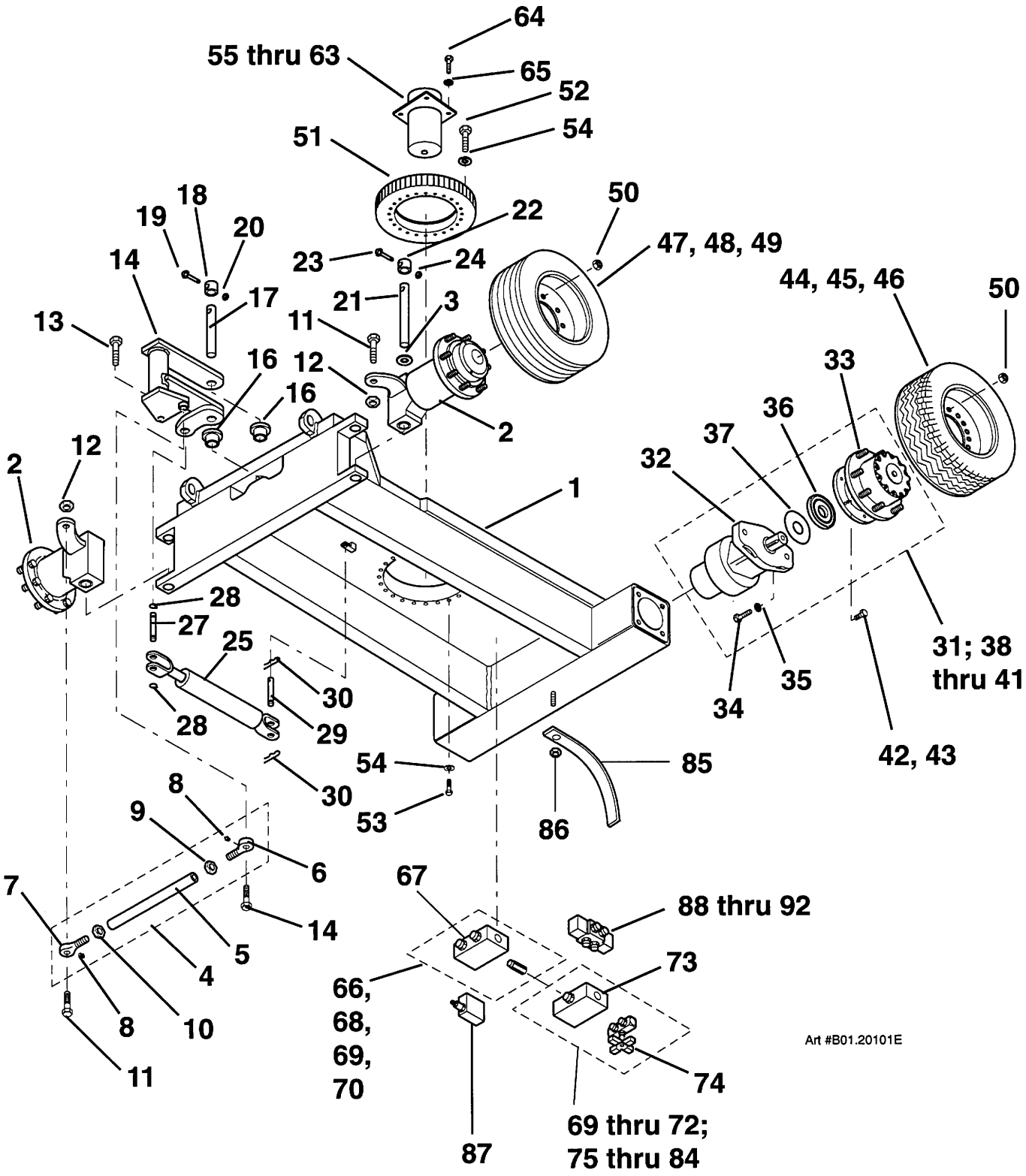
TITLE	UNDERCARRIAGE, RP 66 (2WD) (PLATE 1 OF 4)		
SIMON AERIALS INC.	NEW 28 JUL., 1994	PART NO.	PLATE NO. B01.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			For 4WD components, see plate B01.299.	
38	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
39	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	2
40	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
41	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12)	4
42	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
43	07-065021		WASHER, HELICAL LOCK (5/8")	16
			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:	
44			TIRE AND WHEEL ASSEMBLY, DRIVE	
	3515620		Liquid filled (Calcium)	2
	3536700		Liquid filled ("Trac Seal")	2
	3515710		Foam filled	2
45	02-024700		TIRE (15-19.5 "**Jumbo Super All Grip**" Tubeless)	1
46	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
44			TIRE AND WHEEL ASSEMBLY, DRIVE	
	3503104		Liquid filled (Calcium)	2
	3508460		Foam filled	2
45	02-001300		TIRE (15-19.5 "**Custom Xtra Grip**" Tubeless)	1
46	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
47			TIRE AND WHEEL ASSEMBLY, STEER	
	3515630		Liquid filled (Calcium)	2
	3515720		Foam filled	2
48	02-024800		TIRE (15-19.5 "**Jumbo Jet Cargo**" Tubeless)	1
49	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
47			TIRE AND WHEEL ASSEMBLY, STEER	
	3510016		Liquid filled (Calcium)	2
	3508534		Foam filled	2
48	02-001200		TIRE (15-19.5 "**Custom Hi-Miler**" Tubeless)	1
49	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
50	07-058123		NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40

TITLE: UNDERCARRIAGE, RP 66 (2WD) (PLATE 2 OF 4)

PLATE NO. B01.201 | **SIMON AERIALS INC.** | NEW 28 JUL., 1994 | PART NO.



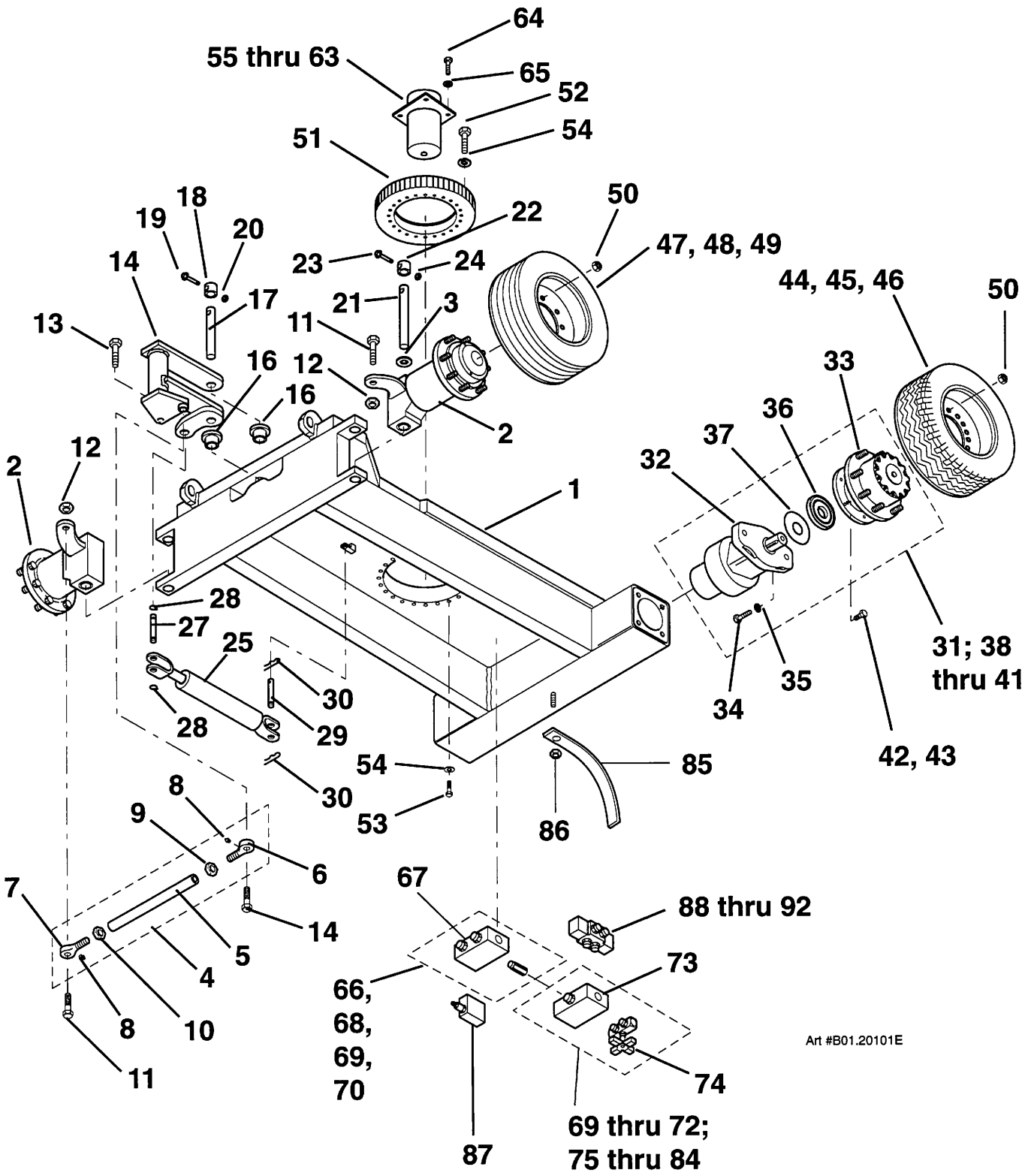
TITLE	UNDERCARRIAGE, RP 66 (2WD) (PLATE 2 OF 4)		
SIMON AERIALS INC.	NEW 28 JUL., 1994	PART NO.	PLATE NO. B01.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			For 4WD components, see plate B01.299.	
51	08-057100		SWING BEARING	1
52	07-004655		CAP SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	18
53	07-004152		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
54	07-061022		WASHER, FLAT (3/4" SAE)	41
55	See index	D02.--	SWIVEL, HYDRAULIC	1
56	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	4
57	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	3
58	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	1
59	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	3
60	06-001000		CONNECTOR, MALE (6-8 FTX-S)	1
61	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
62	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	1
63	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	2
64	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
65	07-065018		WASHER, HELICAL LOCK (1/2")	4
66	Call Simon		VALVE ASSEMBLY, MOTION CONTROL	1
67	01-225900		VALVE, MOTION CONTROL (3000 PSI)	1
68	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
69	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
70	07-062016		WASHER, FLAT (3/8")	4
71	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
72	Call Simon		VALVE ASSEMBLY, FLOW DIVIDER	1
73	01-018300		VALVE, FLOW DIVIDER	1
74	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1
75	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
76	06-003800		ELBOW, MALE (6 CTX-S)	2
77	06-012300		RUN TEE, MALE (12 RTX-S)	2
78	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
79	06-057800		NUT, TUBE (12 BTX-S)	2
80	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	2
81	3507654		TUBE ASSEMBLY	2
82			TUBE	1
83	06-057800		NUT, TUBE (12 BTX-S)	2
84	06-059300		SLEEVE (12 TX-S)	2
85	03-472100		STRAP, GROUNDING (option)	1
86	07-058400		NUT, LUG (1/2"-13, Grade 8) (for grounding strap)	1
87	01-011400		VALVE, RELIEF	1

TITLE: UNDERCARRIAGE, RP 66 (2WD) (PLATE 3 OF 4)

PLATE NO. B01.201 | **SIMON AERIALS INC.** NEW 28 JUL., 1994 | PART NO.

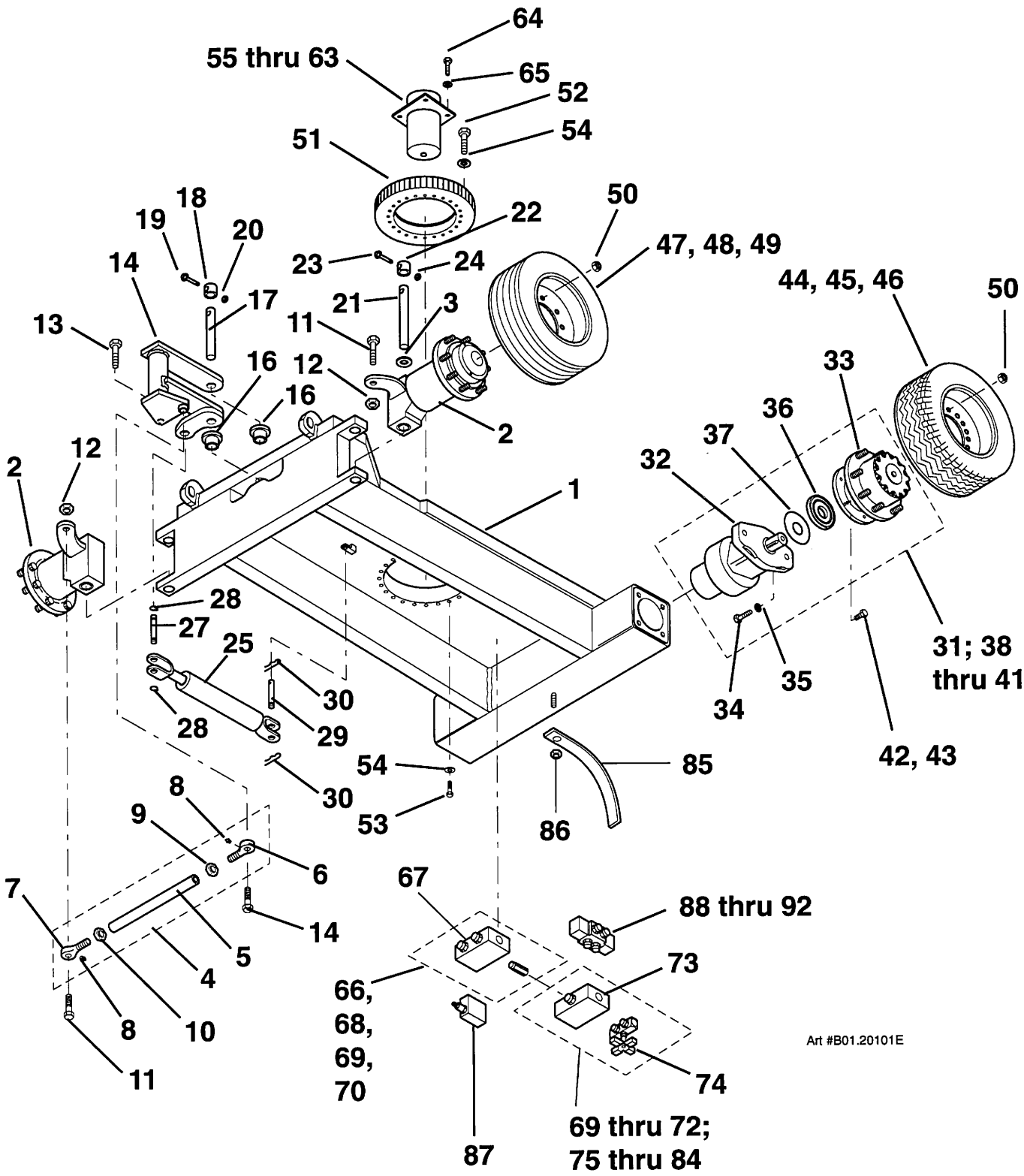


TITLE	UNDERCARRIAGE, RP 66 (2WD) (PLATE 3 OF 4)		
SIMON AERIALS INC.	NEW 28 JUL., 1994	PART NO.	PLATE NO. B01.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Items below used on two-wheel drive units with two-speed drive option:	
88	Call Simon		VALVE ASSEMBLY, SELECTOR	1
89	Call Simon		VALVE, HI/ LOW SPEED DRIVE (Pilot operated)	1
90	Call Simon		SEAL KIT, DRIVE VALVE	1
91	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	A.R.
92	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	A.R.
93	2089148		CLAMP, HOSE	A.R.
94	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 8)	A.R.
95	07-062015		WASHER, FLAT (5/16")	A.R.
96	07-050015		NUT, LOCK (5/16"-18, Grade 5)	A.R.
97	10-150900		SLEEVE, PLASTIC COIL (1" Dia.) (Bulk item, order as needed. 24 Ft [7.3 M] needed this application.)	A.R.

TITLE	UNDERCARRIAGE, RP 66 (2WD) (PLATE 4 OF 4)	
PLATE NO. B01.201	**SIMON AERIALS INC.** NEW 28 JUL., 1994	PART NO.



TITLE	UNDERCARRIAGE, RP 66 (2WD) (PLATE 4 OF 4)		
SIMON AERIALS INC.	NEW 28 JUL., 1994	PART NO.	PLATE NO. B01.201

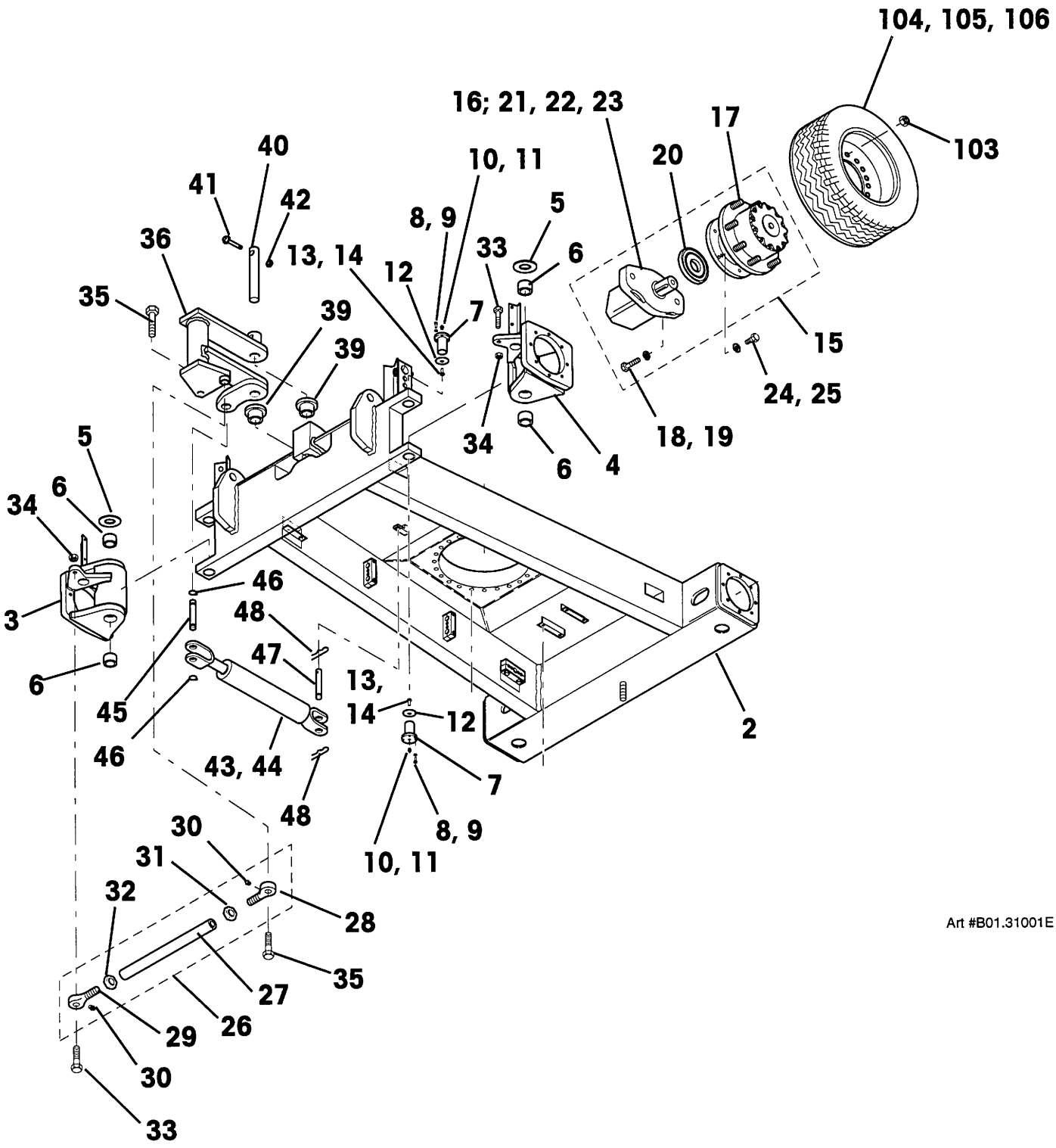
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 0170		UNDERCARRIAGE GROUP (RP 66, 4WD, with Tri-Flow Manifold)	1
2	237 0550		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 GROUP, RP 66 (4WD)

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
B01.	204	01	-	03 MAR., 1997	355 0170

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



Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE UNDERCARRIAGE GROUP, RP 66 (4WD)					
	PART NO. 355 0170	REV. -	DATED 03 MAR., 1997	SECTION B01.	PLATE NO. 204	PAGE 01

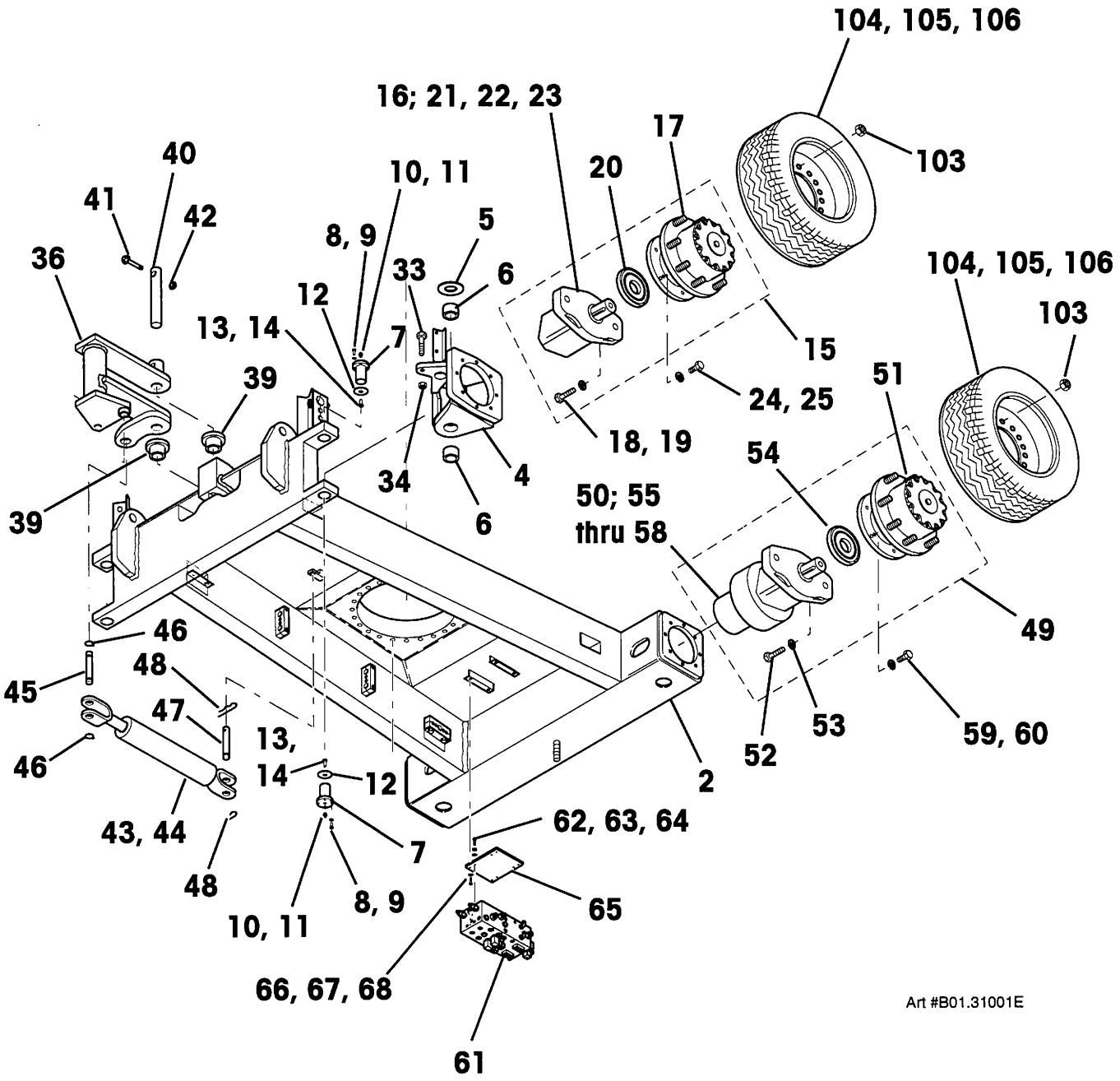
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			UNDERCARRIAGE GROUP (continued)	
36	230 2530		ARM, CENTER STEER (versions without tow package)	1
	200 4277		SPACER, CENTER STEER ARM (0.88" [22 mm] thick)	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..50" I.D.,1.75"-2" O.D.,1.50" long)	2
40	231 9640		PIN, STEER ARM (1.50" dia. x 11.75" 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 C5OX-S)	2
45	217 1250		PIN, STEER CYLINDER (1.0" dia. x 3.44") (rod end)	1
46	08-040600		RING, RETAINING (1.0")	2
47	04-003401		PIN, STEER CYLINDER (1.00" dia. x 3.50" 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 F5OX-S)	4
57	06-039300		ADAPTER, "O"-RING TO 37° (4 F5OX-S)	2
58	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF5OX-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: UNDERCARRIAGE GROUP, RP 66 (4WD)

SECTION B01. | PLATE NO. 204 | PAGE 02 | REV. - | DATED 03 MAR., 1997 | PART NO. 355 0170

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

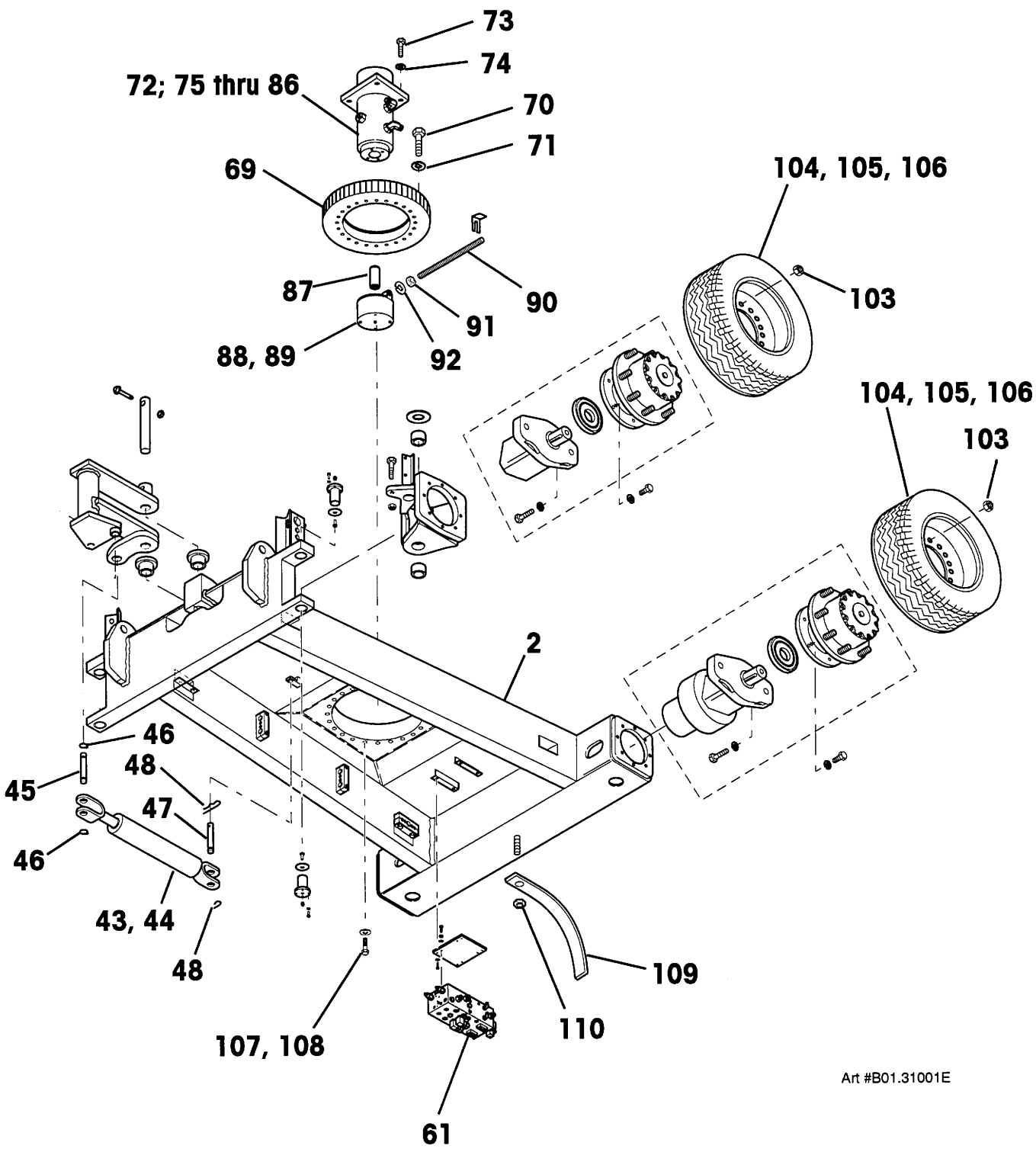


Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE: UNDERCARRIAGE GROUP, RP 66 (4WD)					
	PART NO. 355 0170	REV. -	DATED 03 MAR., 1997	SECTION B01.	PLATE NO. 204	PAGE 02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			UNDERCARRIAGE GROUP (continued)	
69	08-080600		SWING BEARING	1
70	07-004655		CAP SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	18
71	07-061022		WASHER, FLAT (3/4" SAE)	18
72	See plate . . .	D02.01	SWIVEL, HYDRAULIC	1
73	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
74	07-065018		WASHER, HELICAL LOCK (1/2")	4
			Ports 1 and 2, Hydraulic Swivel top section:	
75	06-041400		ADAPTER, "O"-RING TO 37° (16 F5OX-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 C5OX-S)	2
			Port 3, bottom section:	
80	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
81	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-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 C5OX-S)	2
			Port 6, bottom section:	
84	06-095100		PLUG, HEX SOCKET "O"-RING (8 HP5ON-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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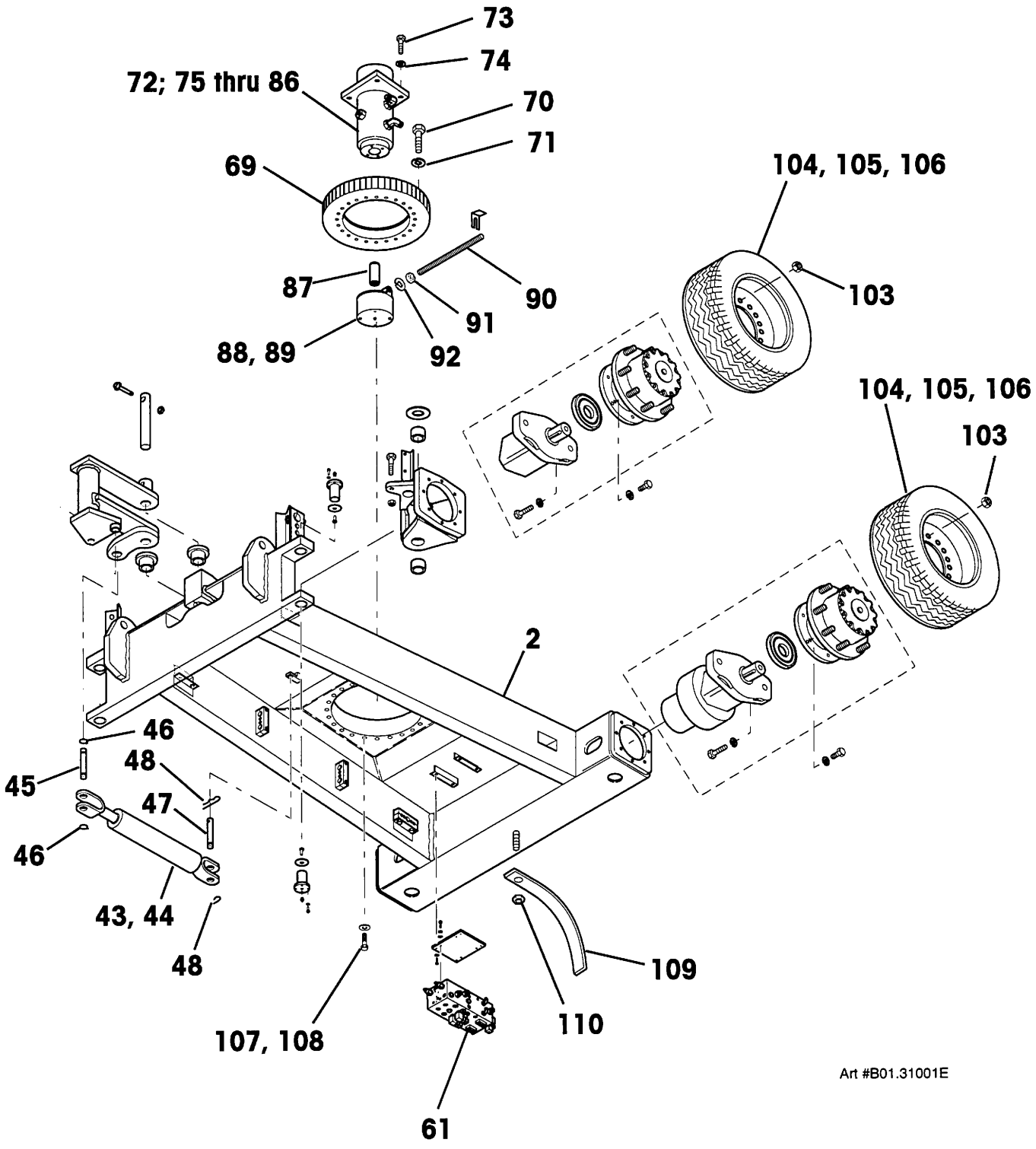
TITLE: UNDERCARRIAGE GROUP, RP 66 (4WD)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
355 0170	-	03 MAR., 1997	B01.	204	03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			UNDERCARRIAGE GROUP (continued)	
93	354 7390		HOSE KIT, UNDERCARRIAGE (MP 60, 4WD, with Tri-Flow Valve)	1
94	208 9148		CLAMP, DRIVE HOSE	12
95	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
96	07-062016		WASHER, FLAT (3/8")	8
97	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	16
98	07-050015		NUT, HEX STOP (5/16"-18, Grade 5)	16
99	07-062015		WASHER, FLAT (5/16")	32
100	10-150900		SLEEVE, COIL (Plastic, 1" dia.) (Bulk item, order as needed.	
			8 ft [2.44 M] required this application)	A.R.
101	05-010017		HOSE ASSEMBLY	1
102	08-054000		FITTING, GREASE (1/4", Straight)	1
103	07-058123		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
			Or . . .	
104	350 3104		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	4
	350 8460		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	4
105	02-001300		TIRE (15-19.5 **"Custom Xtra Grip"** Tubeless)	1
106	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
			Or . . .	
104	354 0830		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	4
	354 0840		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	4
105	02-047800		TIRE (15-19.5 NHS **"Super Agri Loader"** Tubeless, 14 Ply rating)	1
106	02-008400		WHEEL ASSEMBLY (19.5" x 12-1/4")	1
107	07-00 4152		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
108	07-061022		WASHER, FLAT (3/4" SAE)	23
109	03-472100		STRAP, GROUNDING (option)	1
110	07-058400		NUT, LUG (1/2"-13, Grade 8)	1

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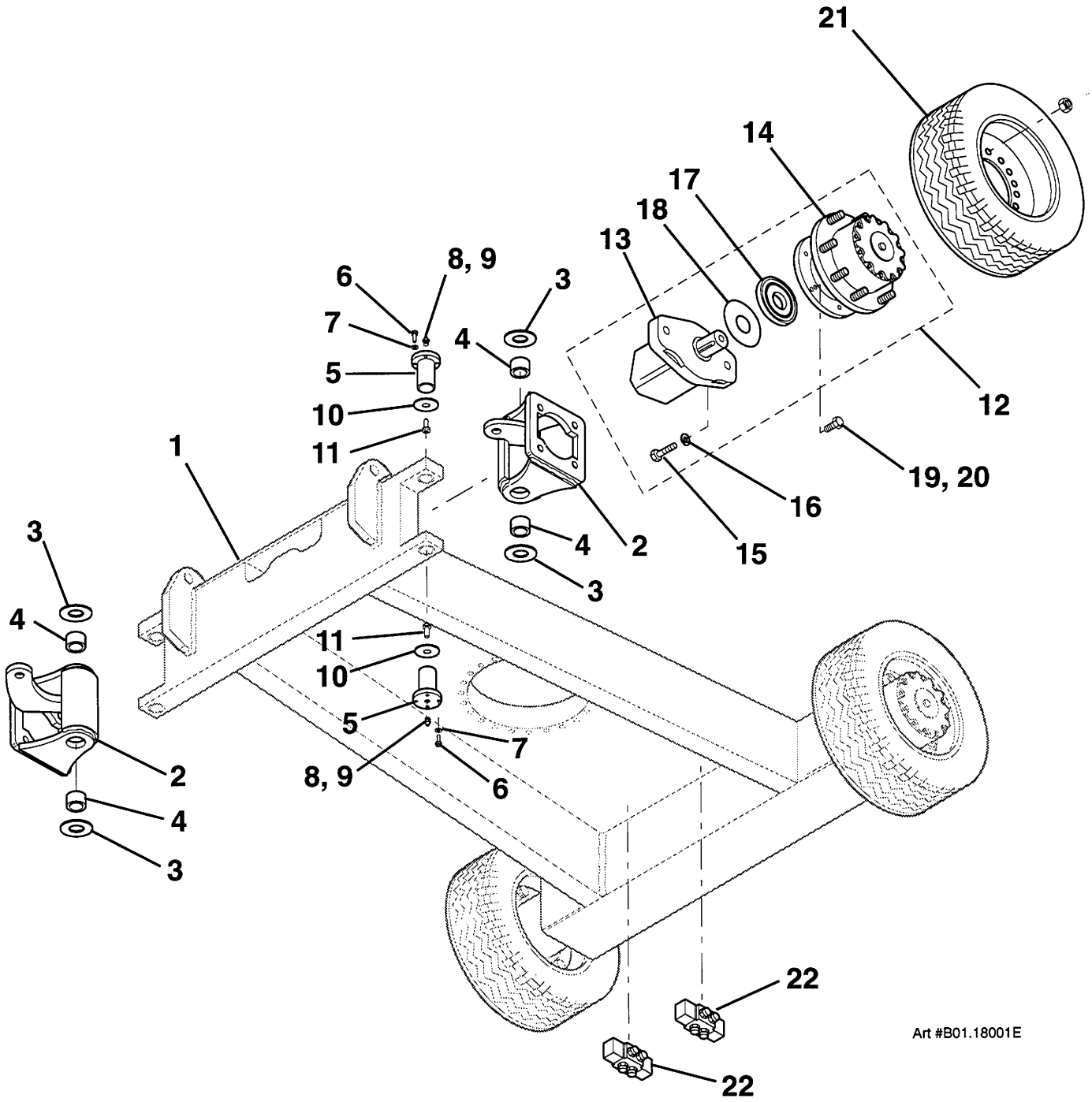
TITLE							
UNDERCARRIAGE GROUP, RP 66 (4WD)							
PART NO. 355 0170	REV. -	DATED 03 MAR., 1997	SECTION B01.	PLATE NO. 204	PAGE 04		

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			UNDERCARRIAGE WELDMENT	
			(For four-wheel drive. Replaces part shown on 2WD plate.)	1
2	2022631		SPINDLE ASSEMBLY, FRONT DRIVE (Right hand)	1
	2022644		SPINDLE ASSEMBLY, FRONT DRIVE (Left hand)	1
			(For four-wheel drive. Replaces part shown on 2WD plate.)	
3	08-004200		WASHER, THRUST (2-1/32" I.D., 3-5/8" O.D.)	
			(For four-wheel drive. Replaces part shown on 2WD plate.)	2
4	2010735		BEARING, SLEEVE (2-3/8" O.D. x 1-3/4" long)	4
5	2014405		PIN, STEER	
			(For four-wheel drive. Replaces part shown on 2WD plate.)	4
6	07-008046		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 8)	16
7	07-065016		WASHER, HELICAL LOCK (3/8")	16
8	08-051300		FITTING, GREASE (1/8", 90°)	4
9	08-066300		CAP, GREASE FITTING (White plastic)	4
10	2142180		RETAINER, STEER SPINDLE BUSHING	2
11	07-017083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	4
12			DRIVE HUB ASSEMBLY (for steer wheels)	2
13	See index	D03.--	MOTOR, HYDRAULIC (without brake)	1
14	See index	F01.--	HUB, TORQUE	1
15	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
16	07-065018		WASHER, HELICAL LOCK (1/2")	2
17	01-030900		SEAL (used with torque hub having cast housing)	1
18	2176980		SPACER (used with torque hub having cast housing)	1
19	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
20	07-065021		WASHER, HELICAL LOCK (5/8")	16
21			TIRE AND WHEEL ASSEMBLY, DRIVE	
			(refer to drive wheel shown on 2WD plate.)	4
22	01-018100		VALVE, SELECTOR	2
			Note: Flow control valve (Needle valve) shown on 2WD Undercarriage page plate is not used with 2WD/ 4WD option.	
23	3514400		HOSE KIT, UNDERCARRIAGE (4WD)	1

TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION COMPONENTS, RP 66

PLATE NO. B01.299 | **SIMON AERIALS INC.** NEW 28 JUL., 1994 | PART NO.



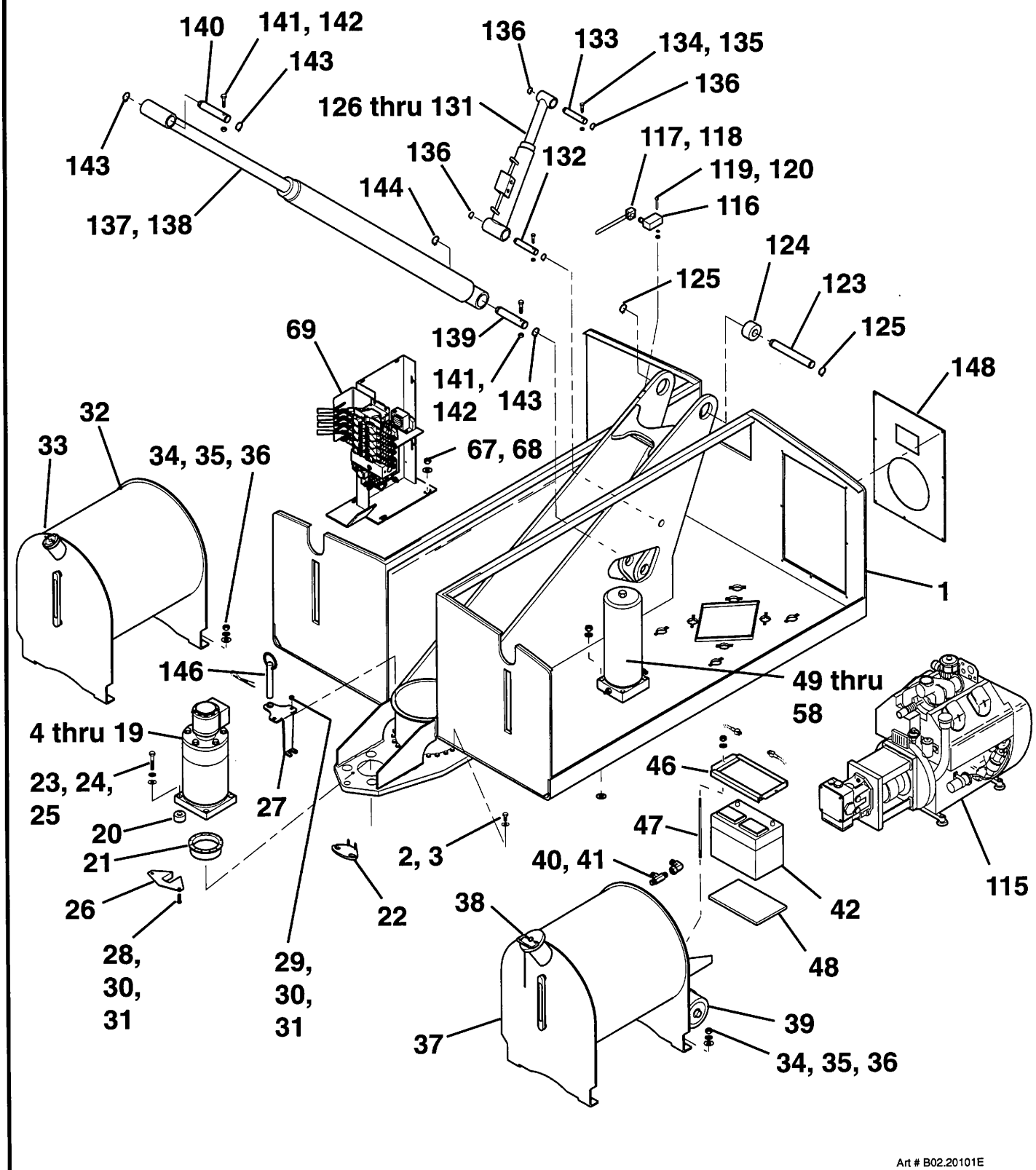
TITLE TWO WHEEL/ FOUR-WHEEL DRIVE OPTION COMPONENTS, RP 66

SIMON AERIALS INC. NEW 28 JUL., 1994 | PART NO. | PLATE NO. B01.299

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE ASSEMBLY	
	3536010		with Ford LSG 423 liquid cooled engine.	1
	call Simon		with engines other than Ford LSG 423.	1
1			SUPERSTRUCTURE WELDMENT	
	2320360		with Ford LSG 423 liquid cooled engine.	1
	call Simon		with engines other than Ford LSG 423.	1
2	07-004152		CAP SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	23
3	07-061022		WASHER, FLAT (3/4" SAE, hardened)	23
4	3529670		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	3508820		HYDRAULIC TUBE ASSEMBLY [Approx. 8" (200 mm) long. Shuttle valve to brake.]	1
9	3508835		HYDRAULIC TUBE ASSEMBLY ("U" shape)	1
10	3508842		HYDRAULIC TUBE ASSEMBLY ("U" shape)	1
11	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
12	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
13	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
14	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
15	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	2
16	06-090800		REDUCER/ EXPANDER (10-6 F50 G5-S)	2
17	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
18	07-062018		WASHER, FLAT (1/2")	2
19	07-065018		WASHER, HELICAL LOCK	2
20	2083030		SPACER, SPEED REDUCER SUPPORT	4
21	2059387		RING, ECCENTRIC	1
22	2159190		PLATE, ECCENTRIC LOCK	1
23	07-004131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 8)	4
24	07-061021		WASHER, FLAT (5/8" SAE)	4
25	07-065021		WASHER, HELICAL LOCK (1/2")	4
26	2143480		GUARD, SWING PINION GEAR	1
27	2109250		LOCK, SWIVEL	1
28	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
29	07-040018		NUT, HEX (1/2"-13, Grade 5)	2
30	07-065018		WASHER, HELICAL LOCK (1/2")	4
31	07-062018		WASHER, FLAT (1/2")	4

TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 1 OF 6)		
PLATE NO. B02.201	**SIMON AERIALS INC.**	NEW 28 JUN., 1994	PART NO.



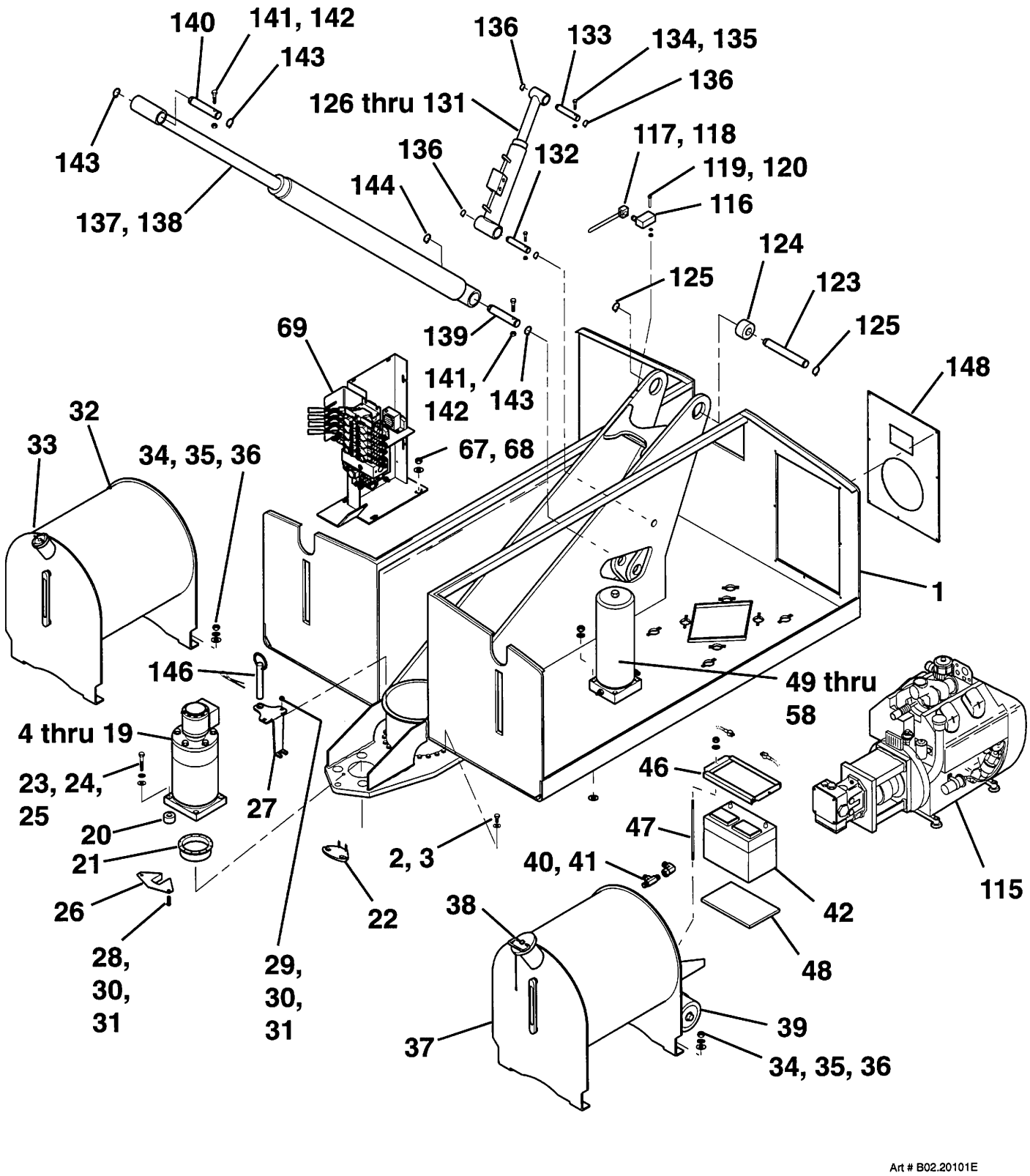
TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 1 OF 6)		
SIMON AERIALS INC.	NEW 28 JUN., 1994	PART NO.	PLATE NO. B02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	See plate . .	C11.01	TANK ASSEMBLY, FUEL	1
33	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
34	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
35	07-065018		WASHER, HELICAL LOCK (1/2")	8
36	07-062018		WASHER, FLAT (1/2")	16
37	See plate . .	C10. 01	TANK ASSEMBLY, HYDRAULIC	1
38	10-002100		CAP, HYDRAULIC TANK FILLER	1
39	See plate . .	D07.04	PUMP, EMERGENCY HYDRAULIC	1
40	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
41	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
42	03-010001		BATTERY (12 Volt DC, 95 Amp)	2
43	03-070100		CABLE, BATTERY [Black, 12" (30 cm) long]	1
	03-451800		CABLE, BATTERY [Black, 30" (.76 M) long]	1
44	03-451900		CABLE, BATTERY [Red, 86" (2.2 M) long]	1
45	03-487500		TERMINAL, BATTERY	1
46	03-064300		HOLD DOWN, BATTERY	2
47	07-090111		J-BOLT [10" (254 mm) long]	4
48	10-112900		PROTECTOR, BATTERY (Neoprene, 7" x 11" x 1/8")	2
49	01-014000	D11.03	FILTER, HYDRAULIC (High pressure)	1
50	01-014001		ELEMENT, FILTER (10 micron)	1
51	06-092500		REDUCER/ EXPANDER (24-12 F50G5-S)	2
52	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	2
53	3507665		TUBE ASSEMBLY (3/4")	1
54	01-018200		VALVE, CHECK	1
55	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X-S)	1
56	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
57	07-062016		WASHER, FLAT (3/8")	4
58	10-086500		WASHER, RUBBER (1/2" I.D., 2" O.D.)	4
59	05-010017		HOSE ASSEMBLY, GREASE (not shown)	1
60	06-080100		ELBOW, PIPE THREAD (1/8 CD-S)	1
61	08-054000		FITTING, GREASE (1/4", Straight)	1
62	08-051300		FITTING, GREASE (1/8", 90°)	1
63	08-066300		CAP, GREASE FITTING (White plastic)	2
64	03-040200		STRAP, SNAP ON (1/2")	2
65	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
66	07-062014		WASHER, FLAT (1/4")	2
67	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	2
68	07-062016		WASHER, FLAT (3/8")	4

TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 2 OF 6)

PLATE NO. B02.201 | **SIMON AERIALS INC.** NEW 28 JUN., 1994 | PART NO.



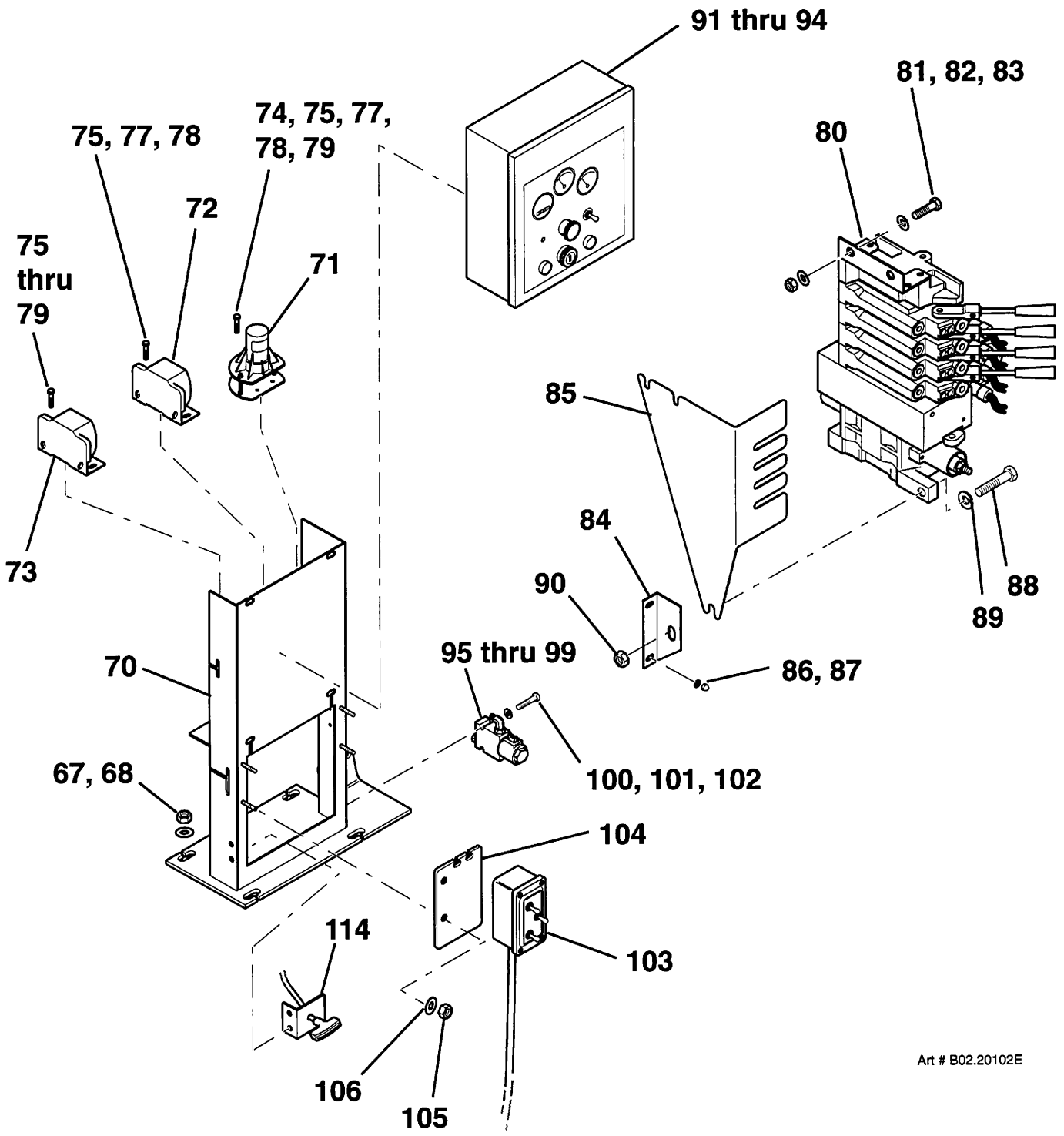
TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 2 OF 6)		
SIMON AERIALS INC.	NEW 28 JUN., 1994	PART NO.	PLATE NO. B02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
69	3536080		GROUND CONTROL ASSEMBLY	1
70	2308400		BRACKET, GROUND CONTROL	1
71	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
72	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
73	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
74	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	1
75	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
76	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	1
77	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
78	07-062014		WASHER, FLAT (1/4")	10
79	10-061200		CLAMP, LOOP (3/4")	2
80	3536090	C02.201	MANIFOLD ASSEMBLY	1
81	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
82	07-062016		WASHER, FLAT (3/8")	6
83	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
84	2320080		BRACKET, VALVE MOUNTING	1
85	2320090		COVER, GROUND CONTROL LEVERS	1
86	07-044014		NUT, ACORN (1/4"-20, low crown, stainless steel)	2
87	07-062014		WASHER, FLAT (1/4")	2
88	07-003089		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 5)	1
89	07-062018		WASHER, FLAT (1/2")	1
90	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
91	See plate . .	C03. - -	PANEL ASSEMBLY, GROUND ELECTRICAL	1
92	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
93	07-062014		WASHER, FLAT (1/4")	8
94	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
95	01-093500		VALVE, SOLENOID (Dump valve)	1
96	01-093501		COIL, SOLENOID VALVE	1
97	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
98	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
99	06-054500		RUN TEE, 37° SWIVEL NUT (6 R6X-S)	2
100	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
101	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
102	07-062014		WASHER, FLAT (1/4")	4
103	See plate . .	C06.06	PENDANT, REMOTE CONTROL	1
104	call Simon		BRACKET, PENDANT MOUNTING	1
105			NUT (Bracket mounting)	2
106			WASHER, FLAT (Bracket mounting)	4

TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 3 OF 6)

PLATE NO. B02.201 | **SIMON AERIALS INC.** NEW 28 JUN., 1994 | PART NO.



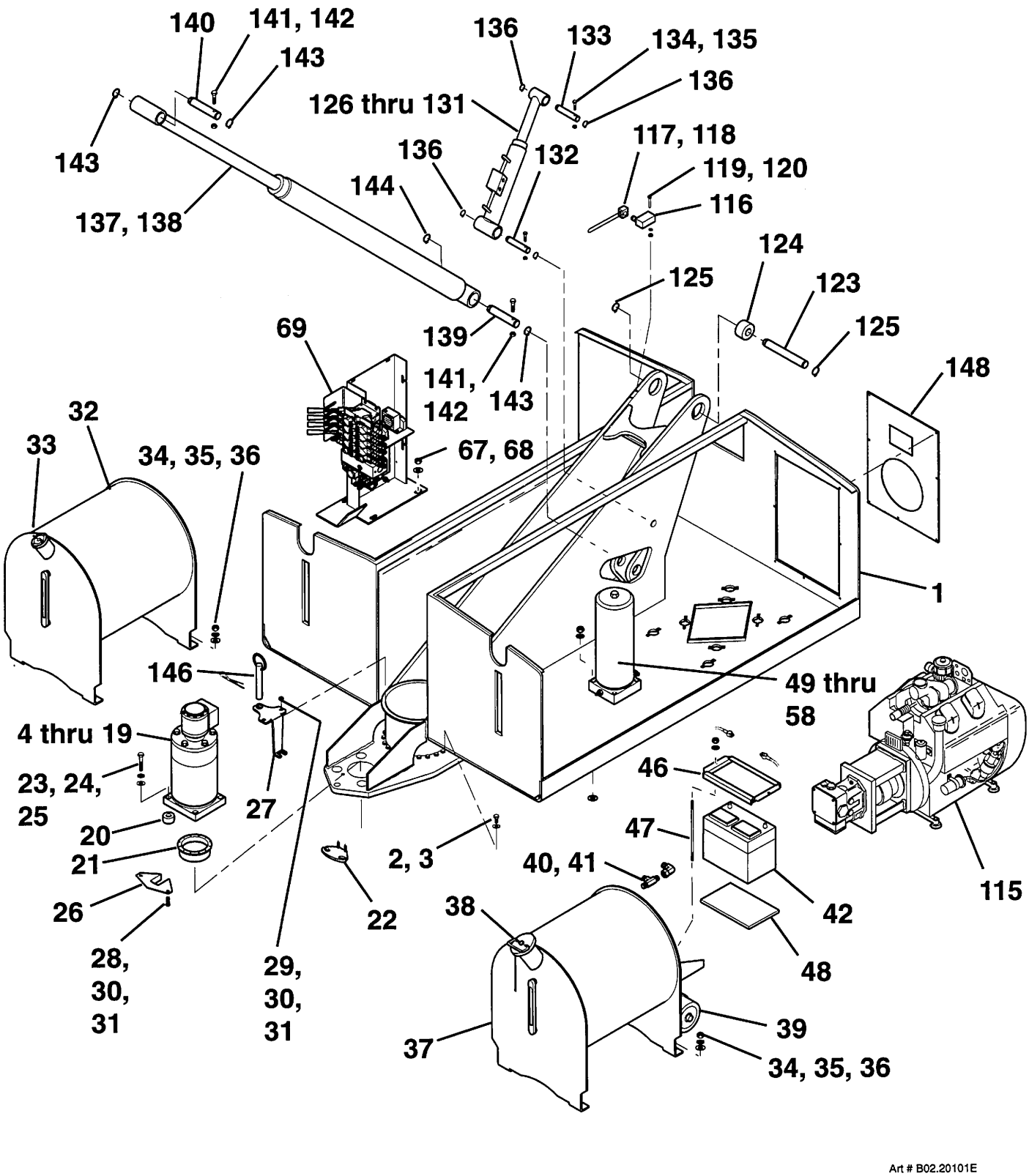
TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 3 OF 6)		
SIMON AERIALS INC. NEW 28 JUN., 1994		PART NO.	PLATE NO. B02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Items 107 thru 113 are used only on versions with either the **two speed drive** or **2 wheel drive/ 4 wheel drive** option:	
107	01-037100		VALVE, SOLENOID (3 way) (High/ Low Drive)	1
108	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
109	06-000700		CONNECTOR, MALE (6 FTX-S)	1
110	06-054500		RUN TEE, 37° SWIVEL NUT (6 R6X-S)	2
111	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
112	07-062014		WASHER, FLAT (1/4")	6
113	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
114			CABLE, GASOLINE TO PROPANE SWITCHING (with dual fuel option)	1
115	See plate . .	C04. - -	ENGINE ASSEMBLY	1
116	03-493700		SWITCH, LIMIT (Side rotary, 1 normally open, 1 normally closed contact)	1
117	03-494100		ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below.)	1
118	2010906		ARM, LIMIT SWITCH (Stainless steel rod)	1
119	07-008354		SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
120	07-065011		WASHER, HELICAL LOCK (#10)	2
121	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) [Bulk item, 14 Ft (4.3 M) required this application]	A.R.
122	03-045500		GRIP, CORD (1/2")	1
123			PIN, BOOM PIVOT (2-1/4" x 17")	
	2069146		except Canada	1
	call Simon		CSA standards	1
124	08-013300		BUSHING, SELF ALIGNING (Boom pivot)	2
125	08-043200		RING, RETAINING (2-1/4")	2
126			CYLINDER ASSEMBLY, MASTER LEVEL	1
127	04-032600	D10.101	CYLINDER, MASTER LEVEL	1
128	04-028202		VALVE, RELIEF	2
129	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
130	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	1
131	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
132	2321900		PIN, MASTER CYLINDER (1-1/4" x 7-15/16") (base end)	1
133			PIN, MASTER CYLINDER (rod end)	1
	2190580		1-1/4" x 5-9/16" (used on earlier versions)	1
	2333420		1-1/4" x 6-1/2" (for later versions)	1
134	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	2
135	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
136	08-040700		RING, RETAINING (1-1/4")	4

TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 4 OF 6)

PLATE NO.			PART NO.
B02.201	**SIMON AERIALS INC.**	NEW 28 JUN., 1994	

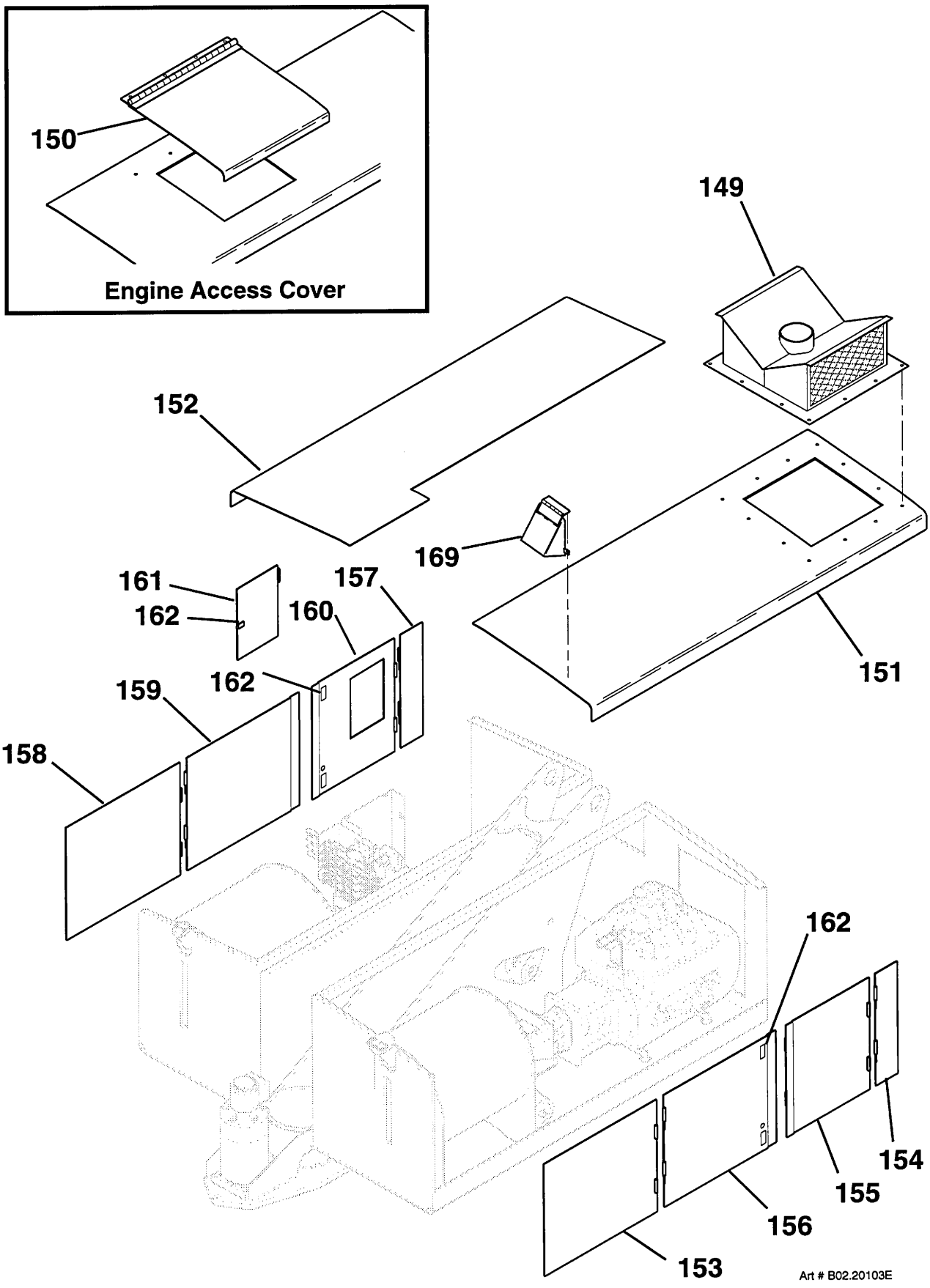


TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 4 OF 6)		
SIMON AERIALS INC.	NEW 28 JUN., 1994	PART NO.	PLATE NO. B02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
137	04-036000	D09.41	CYLINDER, BOOM LIFT	1
138	04-027902		VALVE, LIFT CYLINDER HOLDING	1
139	2069166		PIN, LIFT CYLINDER (1-3/4" x 14-15/16") (base end)	1
140	2069155		PIN, LIFT CYLINDER (1-3/4" x 10-7/16") (rod end)	1
141	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	2
142	07-058400		NUT, LUG (1/2"-13, Grade 8)	2
143	08-041000		RING, RETAINING (1-3/4")	4
144	08-050500		FITTING, GREASE (1/8", 45°)	1
145	08-066300		CAP, GREASE FITTING (White plastic)	1
146	07-080004		PIN, HITCH (1-1/4" x 7") (includes hairpin clip)	1
147			CLIP, HAIRPIN	1
148			VENT, ENGINE AIR (on front of superstructure)	
	2154190		used with Ford LSG 423 engine	1
	2180050		used with Isuzu C-240 engine	1
	call Simon		used with engines other than those listed above.	1
149			VENT, ENGINE AIR (on roof)	
	2180400		used with Isuzu C-240 engine	1
	call Simon		used with engines other than Isuzu C-240.	1
150			COVER, ENGINE ACCESS (on roof)	
	2157970		used with Ford LSG 423 engine	1
	call Simon		used with engines other than Ford LSG 423.	1
151			PANEL, ROOF (Right)	
	2104270		without engine-specific cutouts	1
	2337020		used with Ford LSG 423 engine	1
	2337060		used with Deutz F4L 912 engine	1
	2337040		used with Deutz F4L 1011 engine	1
	call Simon		used with engines other than those listed above.	1
152	2125040		PANEL, ROOF (Left)	1
153			SIDE PANEL (on right side of superstructure)	
	call Simon		Wide panel to left of doors (except Ford or Perkins engine)	1
	2304770		Narrow panel to left of doors (with Ford or Perkins engine)	1
154			SIDE PANEL (on right side of superstructure)	
	call Simon		Narrow panel to right of doors (except Ford or Perkins)	1
	2304800		Wide panel to right of doors (with Ford or Perkins engine)	1
155			DOOR ASSEMBLY (on right side of superstructure)	
	call Simon		Right hinged, no latch cutouts (except Ford or Perkins)	1
	2304660		Right hinged, no latch cutouts (with Ford or Perkins engine)	1
156			DOOR ASSEMBLY (on right side of superstructure)	
	call Simon		Left hinged, with latch cutouts (except Ford or Perkins)	1
	2320680		Left hinged, with latch cutouts (with Ford or Perkins engine)	1

TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 5 OF 6)	
PLATE NO. B02.201	**SIMON AERIALS INC.** NEW 28 JUN., 1994	PART NO.

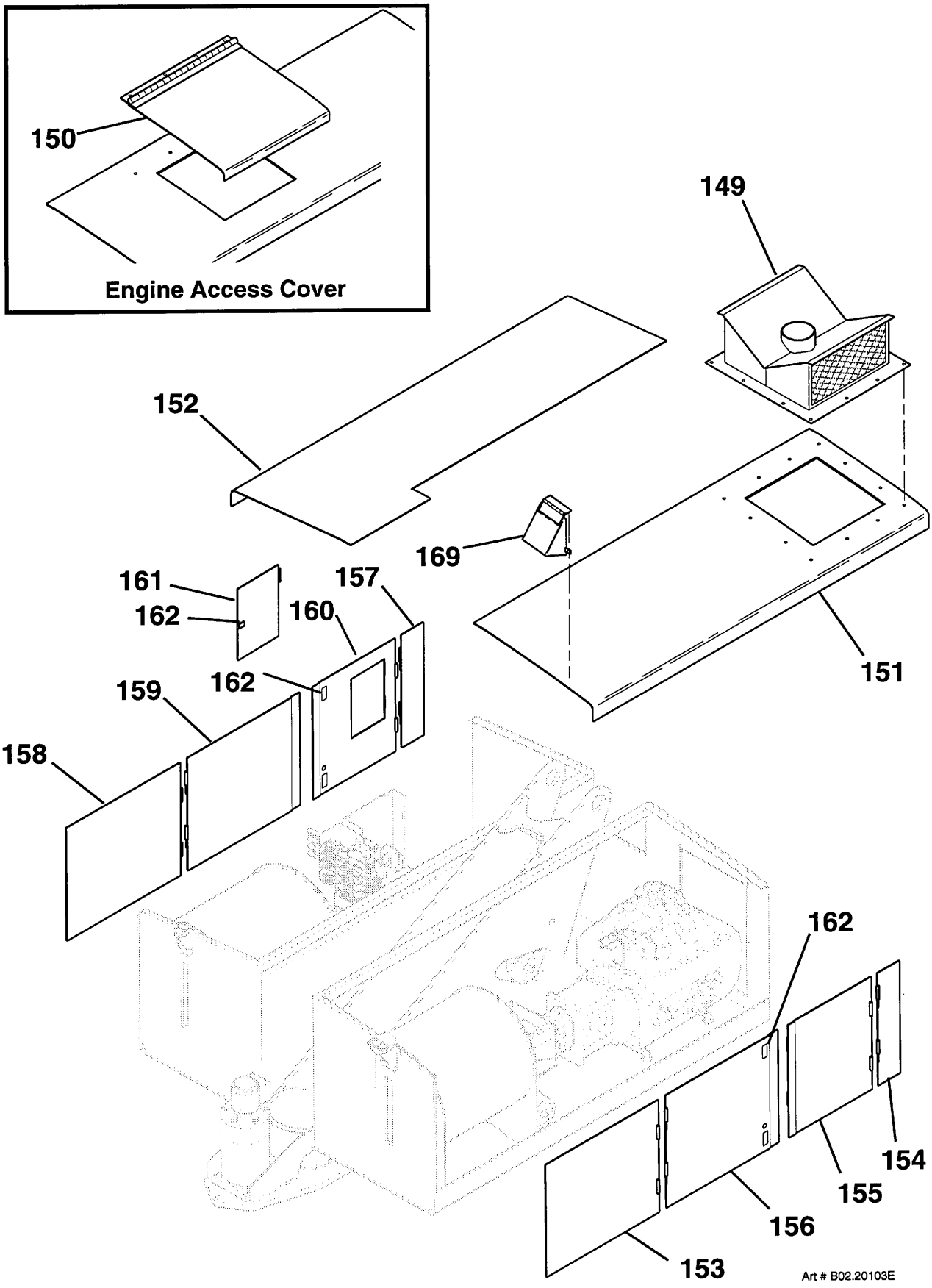


TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 5 OF 6)		
SIMON AERIALS INC.	NEW 28 JUN., 1994	PART NO.	PLATE NO. B02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
157	2304770		SIDE PANEL (on left side of superstructure)	
			Narrow panel to left of doors	1
158	2304800		SIDE PANEL (on left side of superstructure)	
			Wide panel to right of doors	1
159			DOOR ASSEMBLY (on left side of superstructure)	
	call Simon		Right hinged, no latches (except Ford or Perkins engine)	1
	2304660		Right hinged, no latches (with Ford or Perkins engine)	1
160			DOOR ASSEMBLY (on left side of superstructure)	
			Left hinged, with latches and control access cutout	1
	call Simon		except Ford or Perkins engine	1
	2315810		with Ford or Perkins engine	1
161	call Simon		DOOR, GROUND CONTROL ACCESS (option)	1
162	10-004900		LATCH, FLUSH (Locking)	4
163	07-029365		SCREW, HEX WASHER HEAD	
			(#12-14 x 1", self drilling, with rubber seal)	42
164	07-044014		NUT, ACORN (1/4"-20, Low crown, stainless steel)	25
165	07-062014		WASHER, FLAT (1/4")	25
166	10-128102		WASHER (Brass, .391" dia.)	8
167	10-129100		WEATHERSTRIP (3/16" x 3/4" x 50 Ft)	A.R.
168	10-138500		BUMPER, RECESSED (Rubber, 1" dia. x 1/2" high)	8
169	2181240		COVER, HYDRAULIC TANK FILLER (option)	1
170	call Simon		HOSE KIT, RP 66 SUPERSTRUCTURE	1
171	2071002		CLAMP, HOSE	1
172	2185280		CLAMP, HOSE	1
173	2130670		CLAMP, HOSE (17 hole)	3
174	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	2
175	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
176	07-062016		WASHER, FLAT (3/8")	6
177	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	2
178	10-113200		PROTECTOR, HOSE (Rubber, 6" x 9" x 1/8")	2
179	03-066400		TIE, CABLE [20" (508 mm) long]	15
180	03-066900		LOOM, WIRE (1/2")	
			[Bulk item, 5 Ft (1.5 M) required this application]	A.R.
181	10-060600		CLAMP, LOOP (3/8", for Fuel line)	5
182	10-061000		CLAMP, LOOP (5/8", for wire loom)	5
183	10-061200		CLAMP, LOOP (3/4", for LP line)	3
184	07-062014		WASHER, FLAT (1/4")	11
185	07-050014		NUT, LOCK (1/4"-20)	11

TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 6 OF 6)		
PLATE NO. B02.201	**SIMON AERIALS INC.**	NEW 28 JUN., 1994	PART NO.



TITLE	SUPERSTRUCTURE ASSEMBLY, RP 66 (PLATE 6 OF 6)		
SIMON AERIALS INC.	NEW 28 JUN., 1994	PART NO.	PLATE NO. B02.201

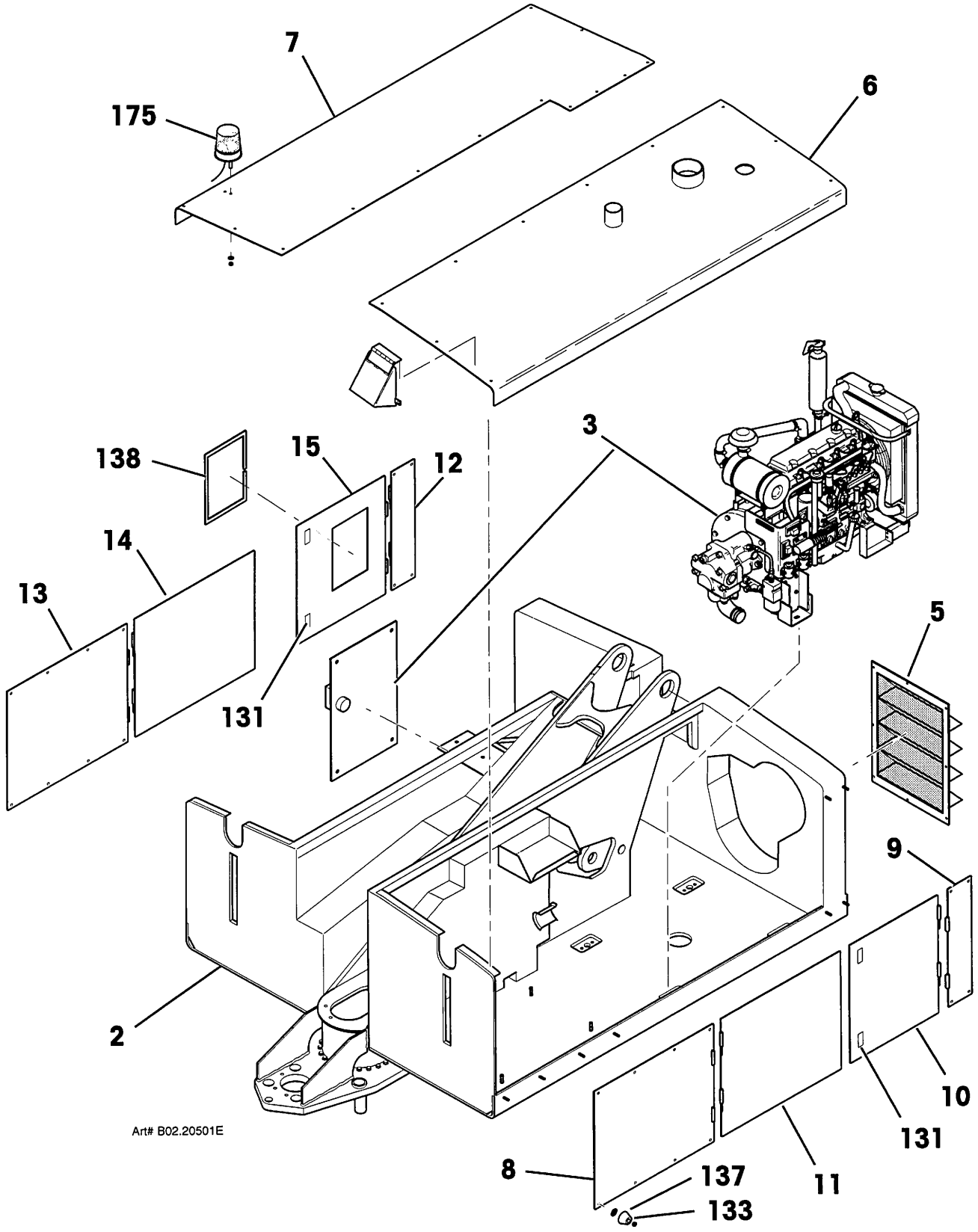
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE GROUP	1
	355 0300		with Ford 2.3 L liquid cooled gasoline engine (standard)	
	355 0310		with Ford 2.3 L liquid cooled dual fuel engine	
	355 0320		with Deutz F4L 1011 air cooled Diesel engine	
	355 0350		with Deutz F4L 912 air cooled Diesel engine	
	355 0340		with Isuzu C-240 liquid cooled Diesel engine (shown)	
	355 0330		with Perkins 104.22 liquid cooled Diesel engine	
	call Simon		with engines other than those listed above	
2			SUPERSTRUCTURE WELDMENT	1
	237 0650		with Deutz F4L 1011 air cooled Diesel engine	
	call Simon		with engines other than those listed above	
3	See plate . .	C04. - -	ENGINE ASSEMBLY	1
4	- - -		SHEET METAL GROUP	
5			VENT, ENGINE AIR (on front of superstructure)	1
	231 5800		used with Isuzu C-240 engine	
	call Simon		used with engines other than those listed above	
6			PANEL, ROOF (Right)	1
	233 7020		used with Ford LSG-423 engine	
	233 7040		used with Deutz F4L 1011 engine	
	233 7060		used with Deutz F4L 912 engine	
	233 7080		used with Isuzu C-240 engine	
	call Simon		used with engines other than those listed above	
7	212 5040		PANEL, ROOF (Left)	1
8			SIDE PANEL (on right [engine] side of superstructure)	1
	230 4790		Wide panel to left of doors (as shown)	
	230 4770		Narrow panel to left of doors (with some engines)	
9			SIDE PANEL (on right [engine] side of superstructure)	1
	230 4760		Narrow panel to right of doors (as shown)	
	230 4800		Wide panel to right of doors (with some engines)	
10	236 6300		DOOR ASSEMBLY (on right [engine] side of superstructure)	
			Right hinged, with latch cutouts	1
11	230 4650		DOOR ASSEMBLY (on right [engine] side of superstructure)	
			Left hinged, with no latch cutouts	1

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION B02. | PLATE NO. 205 | PAGE 01 | REV. - | DATED 03 MAR., 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



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

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B02.	205	01

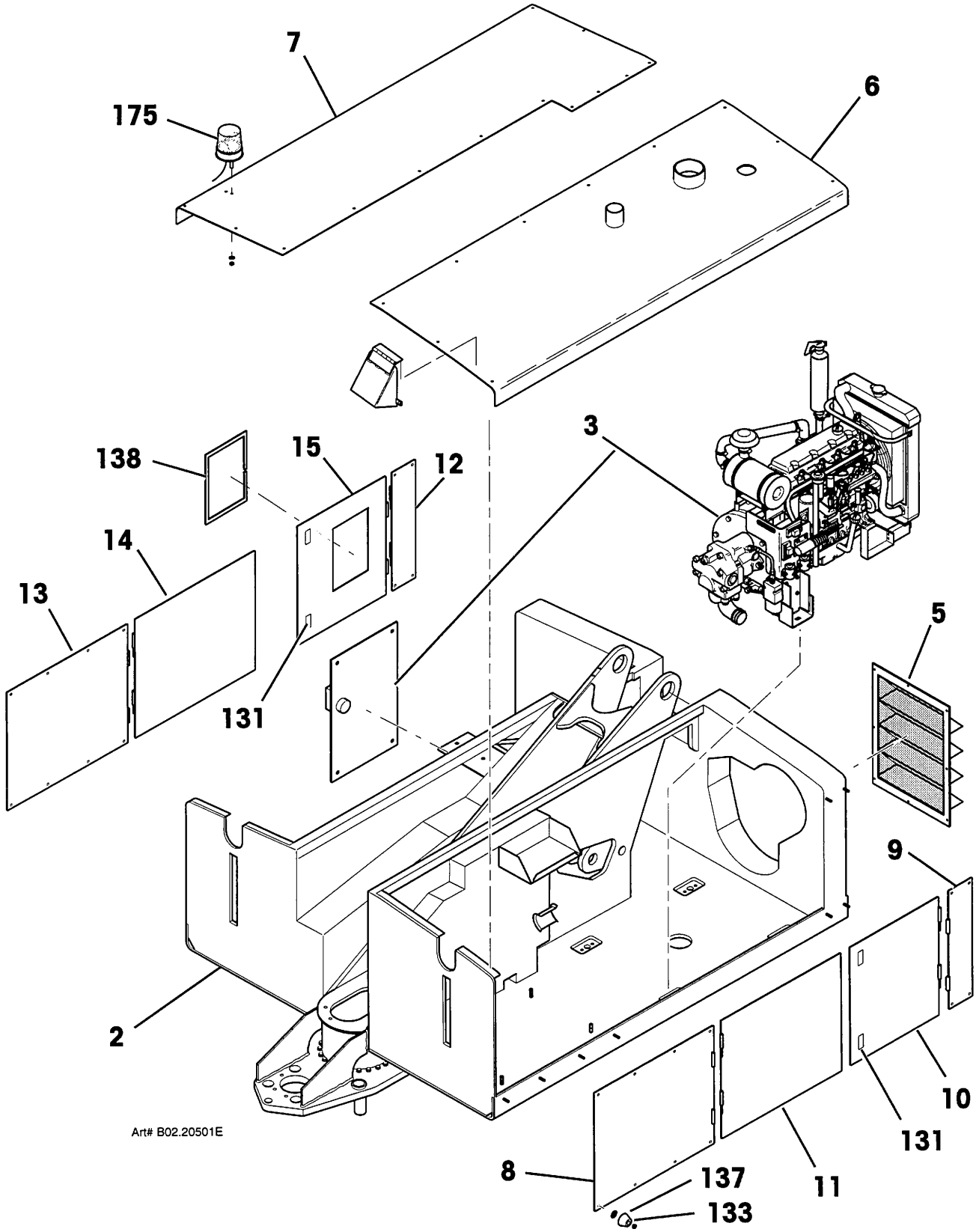
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE GROUP (continued)	
			SHEET METAL GROUP (continued)	
12	230 4770		SIDE PANEL (on left side of superstructure)	
			Narrow panel to left of doors	1
13	230 4800		SIDE PANEL (on left side of superstructure)	
			Wide panel to right of doors	1
14	230 4660		DOOR ASSEMBLY (on left [control] side of superstructure)	
			Right hinged, no latches	1
15			DOOR ASSEMBLY (on left [control] side of superstructure)	
			Left hinged, with latches and control access cutout	1
	237 1150		Standard version (as shown)	
	230 4630		With hinges for door over controls access cutout	

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION B02. | PLATE NO. 205 | PAGE 02 | REV. - | DATED 03 MAR., 1997 | PART NO.

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Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



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Milwaukee Wisconsin 53224 USA
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24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B02.	205	02

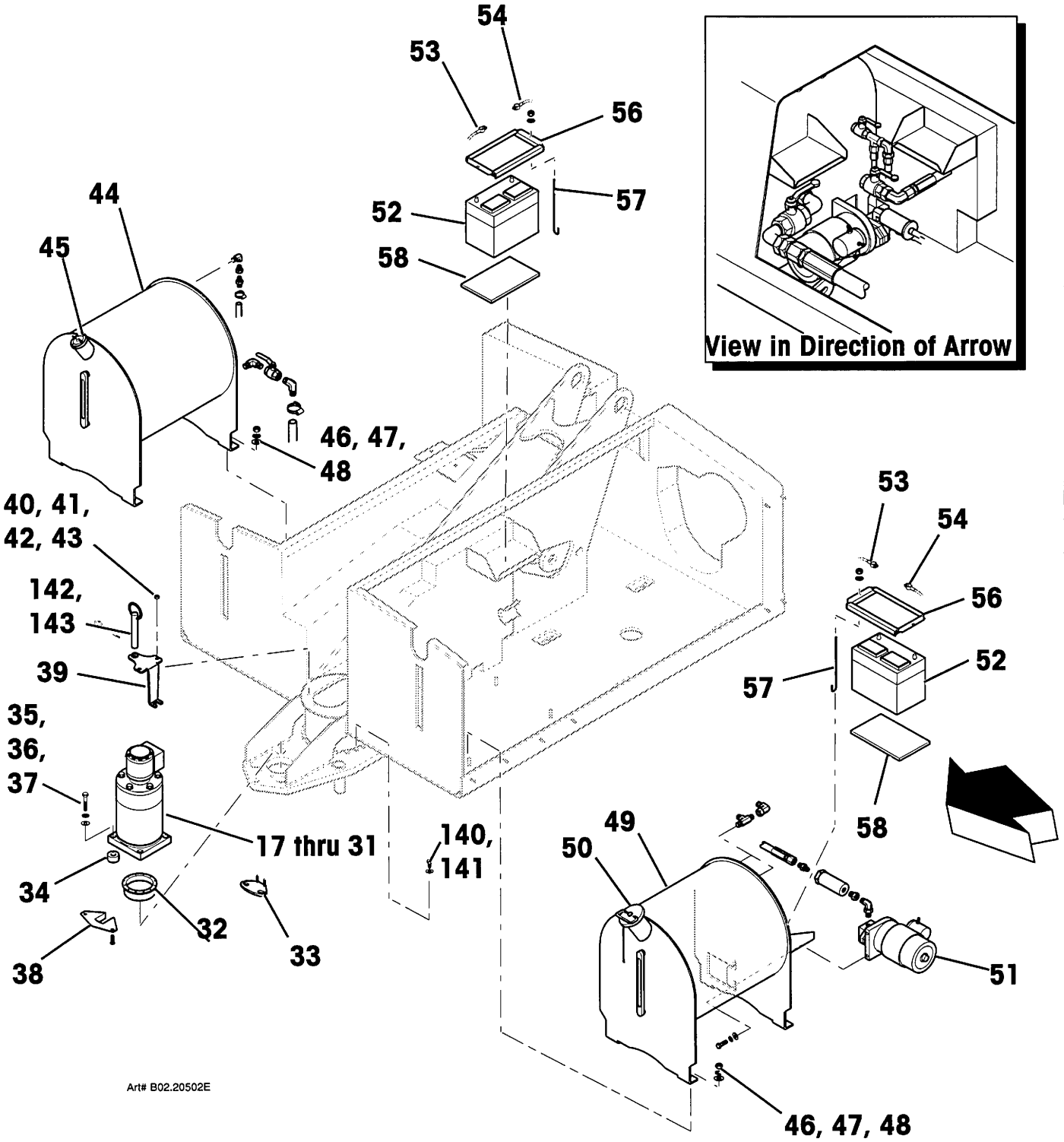
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
16	355 0280		SUPERSTRUCTURE GROUP	1
17	352 9670		SPEED REDUCER (Swing drive) ASSEMBLY	1
18	See plate . .	D06.12	MOTOR, HYDRAULIC SWING	1
19	See plate . .	F02.04	REDUCER, SWING (Planetary gear type)	1
20	01-013800		VALVE, SHUTTLE	1
21	350 8820		HYDRAULIC TUBE ASSEMBLY	
			(Approx. 8" [200 mm] long. Shuttle valve to brake.)	1
22	350 8835		HYDRAULIC TUBE ASSEMBLY ("U" shape)	2
23	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
24	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
25	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
26	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
27	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	2
28	06-090800		REDUCER/ EXPANDER (10-6 F50 G5-S)	2
29	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
30	07-060018		WASHER, FLAT (1/2", SAE)	2
31	07-065018		WASHER, HELICAL LOCK	2
32	205 9387		RING, ECCENTRIC	1
33	215 9190		PLATE, ECCENTRIC LOCK	1
34	208 3030		SPACER, SPEED REDUCER SUPPORT	4
35	07-004131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 8)	4
36	07-061021		WASHER, FLAT (5/8" SAE)	4
37	07-065021		WASHER, HELICAL LOCK (1/2")	4
38	214 3480		GUARD, SWING PINION GEAR	1
39	210 9250		LOCK, SWIVEL	1
40	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
41	07-040018		NUT, HEX (1/2"-13, Grade 5)	2
42	07-065018		WASHER, HELICAL LOCK (1/2")	4
43	07-062018		WASHER, FLAT (1/2")	4

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION B02. | PLATE NO. 205 | PAGE 03 | REV. - | DATED 03 MAR., 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



Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)					
	PART NO.	REV. -	DATED 03 MAR., 1997	SECTION B02.	PLATE NO. 205	PAGE 03

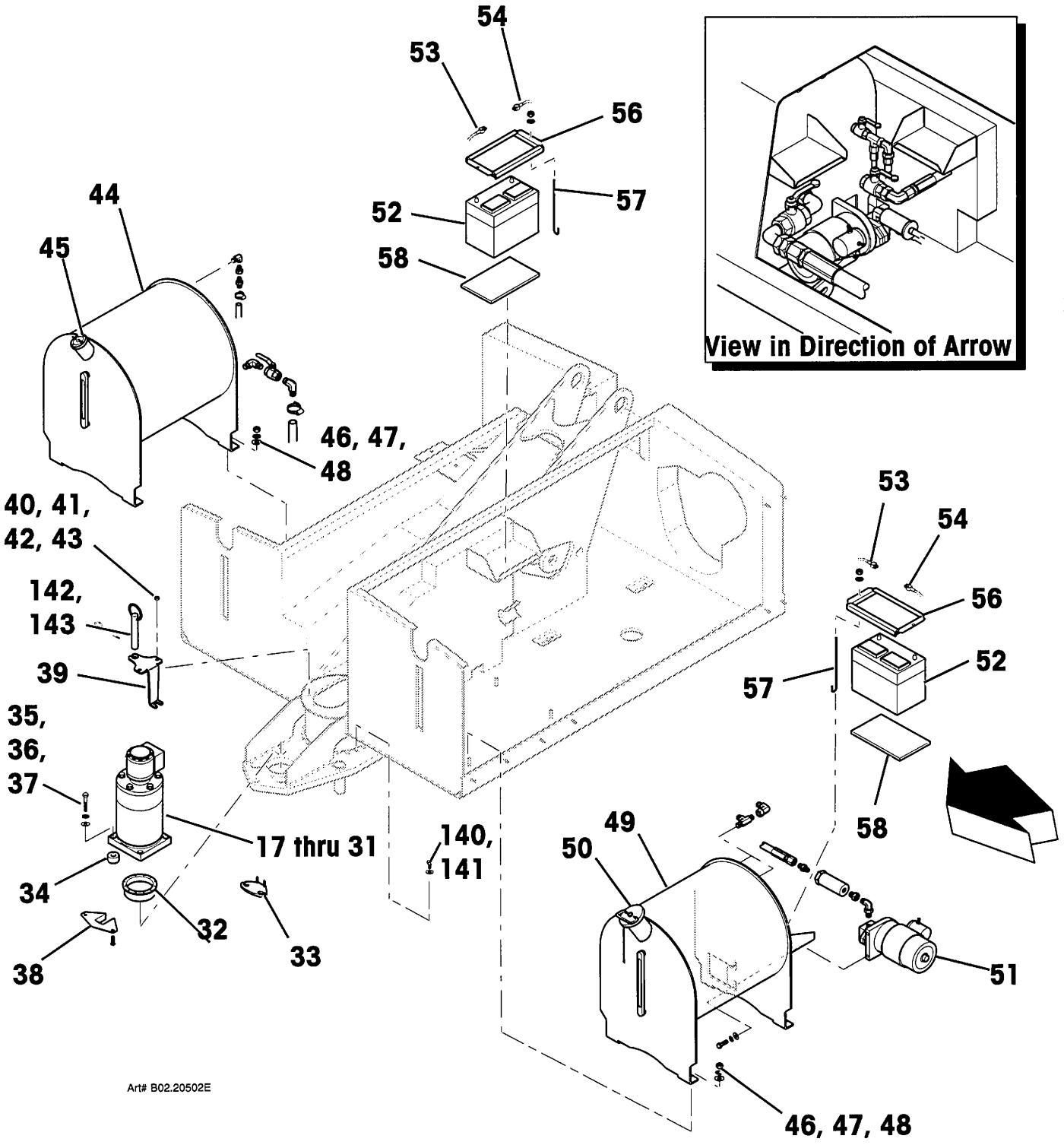
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE GROUP (continued)	
44	See plate . .	C11.01	TANK ASSEMBLY, FUEL	1
45	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
46	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
47	07-065018		WASHER, HELICAL LOCK (1/2")	8
48	07-062018		WASHER, FLAT (1/2")	16
49	See plate . .	C10. 01	TANK ASSEMBLY, HYDRAULIC	1
50	10-002100		CAP, HYDRAULIC TANK FILLER	1
51	See plate . .	D07.04	PUMP, EMERGENCY HYDRAULIC	1
52	03-010001		BATTERY (12 Volt DC, 95 Amp)	2
53	03-070100		CABLE, BATTERY (Black, 12" [30 cm] long)	1
	03-451800		CABLE, BATTERY (Black, 30" [.76 m] long)	1
54	03-451900		CABLE, BATTERY (Red, 86" [2.2 m] long)	1
55	03-487500		TERMINAL, BATTERY	1
56	03-064300		HOLD DOWN, BATTERY	2
57	07-090111		J-BOLT (10" [254 mm] long)	4
58	10-112900		PROTECTOR, BATTERY (Neoprene, 7" x 11" x 1/8")	2

TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
B02.	205	04	-	03 MAR., 1997	

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TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B02.	205	04

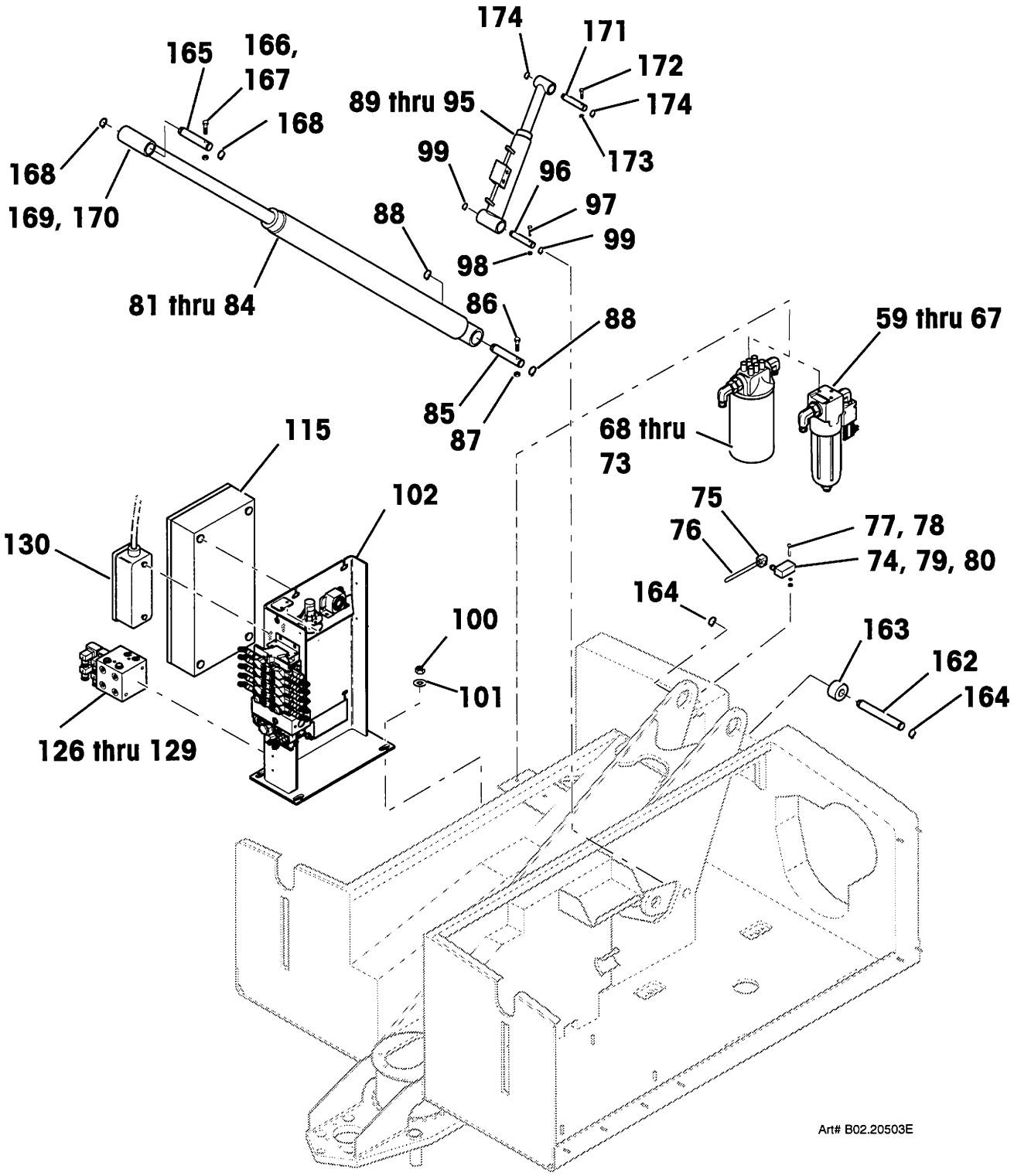
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE GROUP (continued)	
59	01-237500		FILTER, HYDRAULIC (High pressure, in line, 6000 psi [414 bar], non-bypass)	1
60	01-237501		ELEMENT, FILTER	1
61	06-045800		90° ELBOW, "O"-RING TO 37° (16 C5OX-S)	1
62	06-215200		ADAPTER, SWIVEL NUT (16 F65OX-S)	1
63	06-041400		ADAPTER, "O"-RING TO 37° (16 F5OX-S)	1
64	01-239400		VALVE, CARTRIDGE (On/ Off, with 10 Volt coil)	1
65	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	3
66	07-065016		WASHER, HELICAL LOCK (3/8")	3
67	07-062016		WASHER, FLAT (3/8")	3
68	01-238000		FILTER, HYDRAULIC (Return line)	1
69	01-238001		CANISTER, FILTER (with 10 micron element)	1
70	06-045800		90° ELBOW, "O"-RING TO 37° (16 C5OX-S)	2
71	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	2
72	07-065015		WASHER, HELICAL LOCK (5/16")	2
73	07-062015		WASHER, FLAT (5/16")	2
74	03-493700		SWITCH, LIMIT (Side rotary, one normally open, one normally closed contact)	1
75	03-494100		ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below.)	1
76	201 0906		ARM, LIMIT SWITCH (Stainless steel rod)	1
77	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8, stainless steel)	2
78	07-062011		WASHER, FLAT (#10)	2
79	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, 14 ft [4.3 m] required this application)	A.R.
80	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION B02. | PLATE NO. 205 | PAGE 05 | REV. - | DATED 03 MAR., 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



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

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B02.	205	05

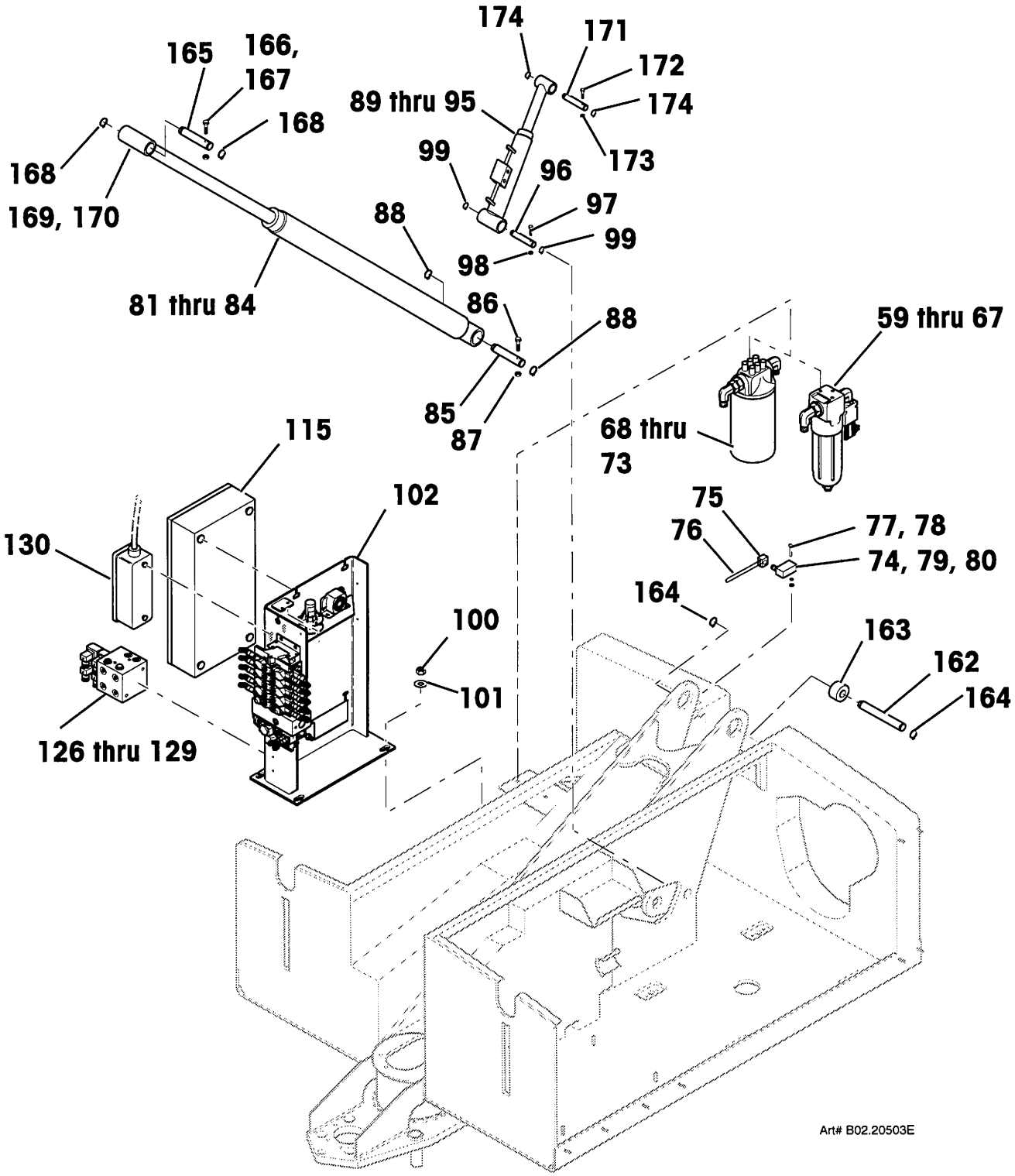
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE GROUP (continued)	
81	04-036000	D09.41	CYLINDER, BOOM LIFT	1
82	06-045000		90° ELBOW, "O"-RING TO 37° (8-10 C5OX-S)	2
83	08-050000		FITTING, GREASE (1/8" NPT, Straight)	1
84	08-066300		CAP, GREASE FITTING (White plastic)	1
85	219 4570		PIN, LIFT CYLINDER (1.75" x 14.94") (base end)	
			(replaces 206 9166)	1
86	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
87	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
88	08-041000		RING, RETAINING (1-3/4")	2
89	04-035500	D10.14	CYLINDER, MASTER LEVEL	1
90	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	2
91	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
92	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
93	08-050000		FITTING, GREASE (1/8", straight)	1
94	08-050500		FITTING, GREASE (1/8", 45°)	1
95	08-066300		CAP, GREASE FITTING (White plastic)	2
96	219 4490		PIN, MASTER CYLINDER (1.25" x 4.88") (base end)	
			(replaces 206 8884)	1
97	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
98	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
99	08-040700		RING, RETAINING (1-1/4")	2
100	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
101	07-062016		WASHER, FLAT (3/8")	8

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

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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



Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)					
	PART NO.	REV. -	DATED 03 MAR., 1997	SECTION B02.	PLATE NO. 205	PAGE 06

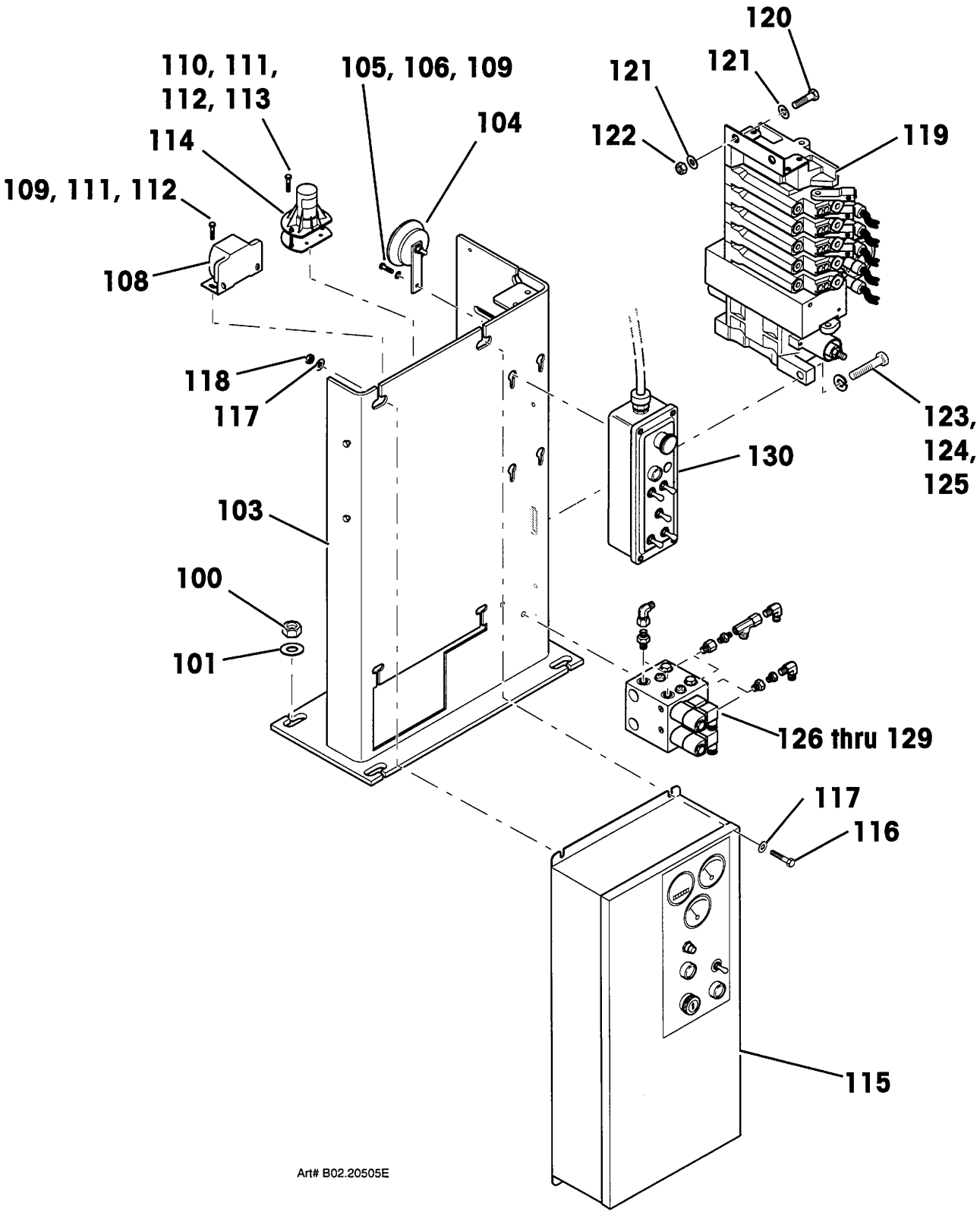
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE GROUP (continued)	
102	355 0290		GROUND CONTROL ASSEMBLY	1
103	237 0270		STAND, GROUND CONTROL	1
104	03-731300		HORN, WARNING (Single terminal, Low note)	1
105	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	1
106	07-000000		WASHER, EXTERNAL TOOTH (5/16")	1
107	07-050015		NUT, STOP (5/16"-18)	1
108	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
109	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
110	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	2
111	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
112	07-062014		WASHER, FLAT (1/4")	10
113	10-061200		CLAMP, LOOP (3/4")	2
114	03-487100		SENSOR, LEVEL (4.5°, 2 second delay)	1
115	See plate . . .	C03. - -	PANEL ASSEMBLY, GROUND ELECTRICAL	1
116	07-003026		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Gr. 5)	4
117	07-062015		WASHER, FLAT (5/16")	8
118	07-050015		NUT, LOCK (5/16"-18, Grade 8)	4
119	See plate . . .	C02. - -	MANIFOLD ASSEMBLY	1
120	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
121	07-062016		WASHER, FLAT (3/8")	6
122	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
123	07-003089		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 5)	1
124	07-062018		WASHER, FLAT (1/2")	1
125	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
126	See Plate . . .	C12.207	VALVE ASSEMBLY, PLATFORM TILT/ ROTATE	1
127	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	2
128	07-060016		WASHER, FLAT (3/8", SAE)	4
129	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
130	See plate . . .	C06.101	PENDANT, REMOTE CONTROL	1

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

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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



Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)					
	PART NO.	REV. -	DATED 03 MAR., 1997	SECTION B02.	PLATE NO. 205	PAGE 07

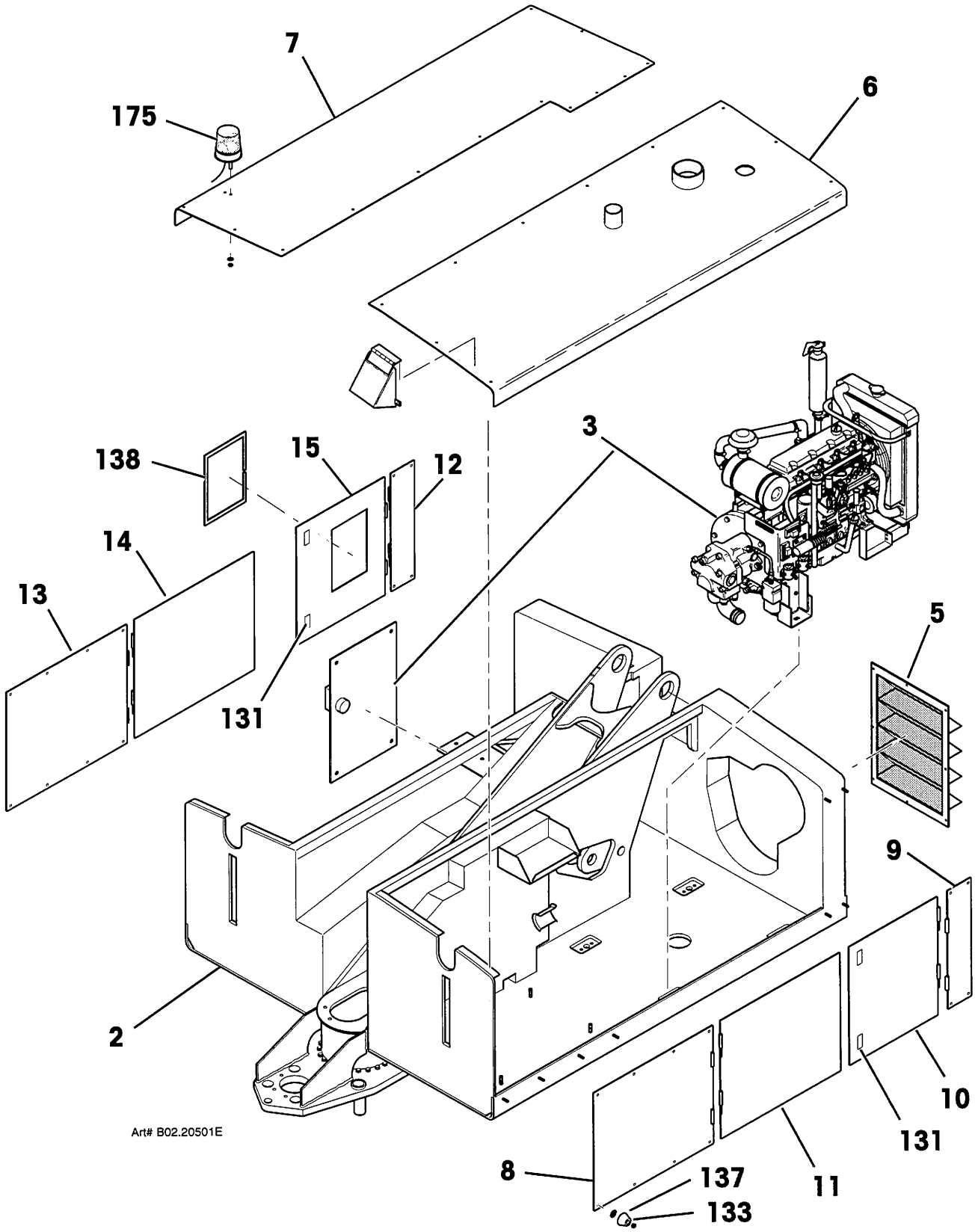
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE GROUP (continued)	
131	10-269600		LATCH, FLUSH (Locking)	4
132	07-029365		SCREW, HEX WASHER HEAD	
			(#12-14 x 1", self drilling, with rubber seal)	42
133	07-044014		NUT, ACORN (1/4"-20, Low crown, stainless steel)	25
134	07-062014		WASHER, FLAT (1/4")	25
135	10-128102		WASHER (Brass, .391" dia.)	8
136	10-129100		WEATHERSTRIP (3/16" x 3/4" x 50 Ft)	A.R.
137	10-138500		BUMPER, RECESSED (Rubber, 1" dia. x 1/2" high)	8
138	10-128300		EDGE TRIM (Vinyl, reinforced) (Bulk item, order as needed)	A.R.
139	354 5360		HOSE KIT, SUPERSTRUCTURE (MP 60 with Simcon controls)	1
140	07-004152		CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)	23
141	07-061022		WASHER, FLAT (3/4" SAE, hardened)	23
142	07-080004		PIN, HITCH (1-1/4" x 7") (includes hairpin clip)	1
143			CLIP, HAIRPIN	1
144	218 5280		CLAMP, HOSE	1
145	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	2
146	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
147	07-062016		WASHER, FLAT (3/8")	6
148	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	2
149	10-113200		PROTECTOR, HOSE (Rubber, 6" x 9" x 1/8")	2
150	03-066400		TIE, CABLE [20" (508 mm) long]	15
151	03-066900		LOOM, WIRE (1/2")	
			(Bulk item, 5 ft [1.5 m] required this application)	A.R.
152	10-060600		CLAMP, LOOP (3/8", for Fuel line)	5
153	10-061000		CLAMP, LOOP (5/8", for wire loom)	5
154	10-061200		CLAMP, LOOP (3/4", for LP line)	3
155	07-062014		WASHER, FLAT (1/4")	11
156	07-050014		NUT, LOCK (1/4"-20)	11

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

SECTION B02. | PLATE NO. 205 | PAGE 08 | REV. - | DATED 03 MAR., 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



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

TITLE

SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B02.	205	08

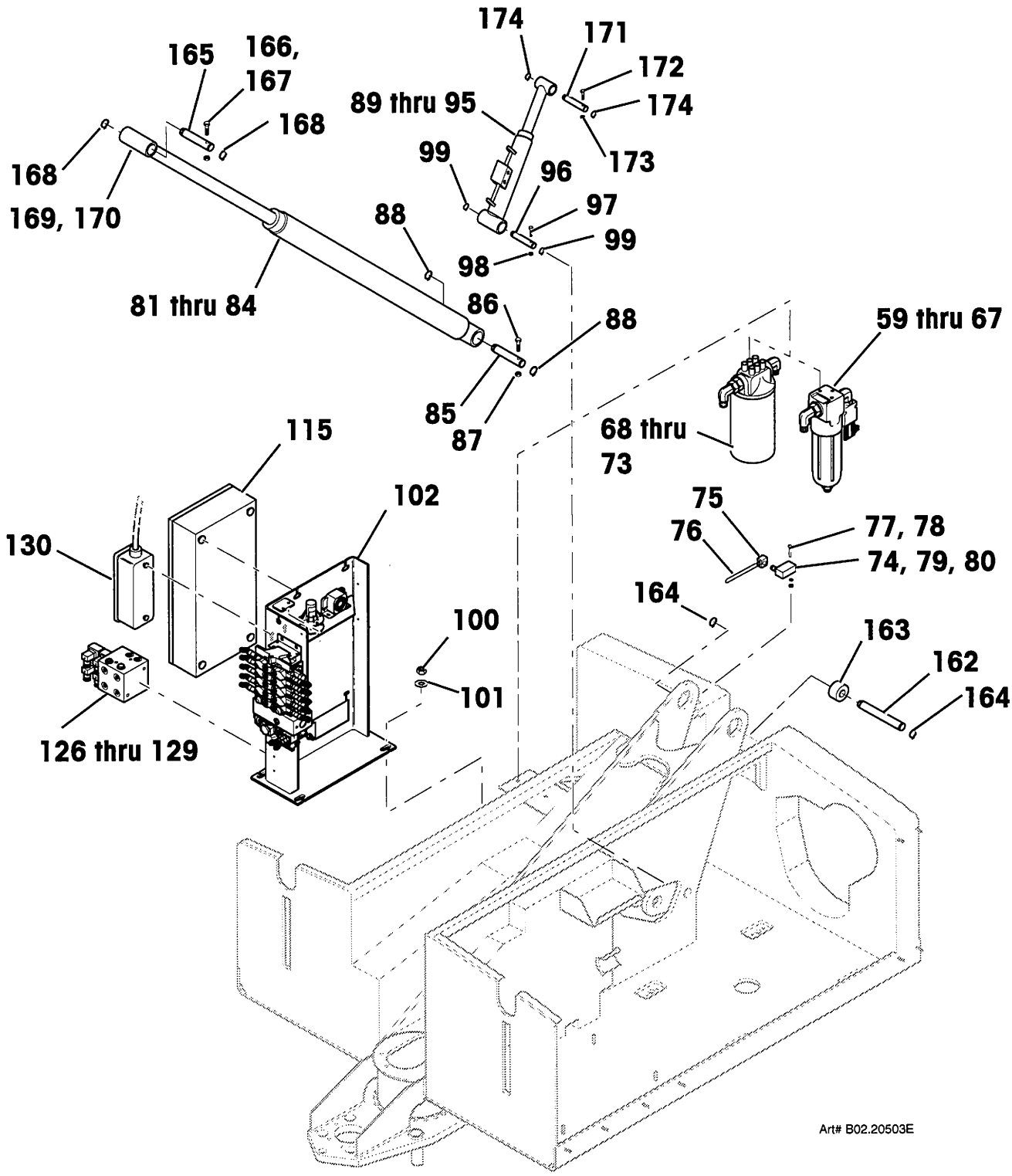
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items **are not** included in the Superstructure Group:	
157	05-010017		HOSE ASSEMBLY, GREASE (not shown)	1
158	06-080100		ELBOW, PIPE THREAD (1/8 CD-S)	1
159	08-054000		FITTING, GREASE (1/4", Straight)	1
160	08-051300		FITTING, GREASE (1/8", 90°)	1
161	08-066300		CAP, GREASE FITTING (White plastic)	2
162	219 4590		PIN, BOOM PIVOT (2-1/4" x 17") (replaces 206 9146)	1
163	08-013300		BUSHING, SELF ALIGNING (Boom pivot)	2
164	08-043200		RING, RETAINING (2-1/4")	2
165	206 9155		PIN, LIFT CYLINDER (1.75" x 10.44") (rod end)	1
166	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
167	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
168	08-041000		RING, RETAINING (1-3/4")	2
169	08-050500		FITTING, GREASE (1/8", 45°)	1
170	08-066300		CAP, GREASE FITTING (White plastic)	1
171	219 4510		PIN, MASTER CYLINDER (1.25" x 6.13") (rod end) (replaces 206 8864)	1
172	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
173	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
174	08-040700		RING, RETAINING (1-1/4")	2
			The following **optional items** are available:	
175			BEACON (Amber)	1
	03-030600		ROTATING	
	03-045600		STROBE	

TITLE: SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)

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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

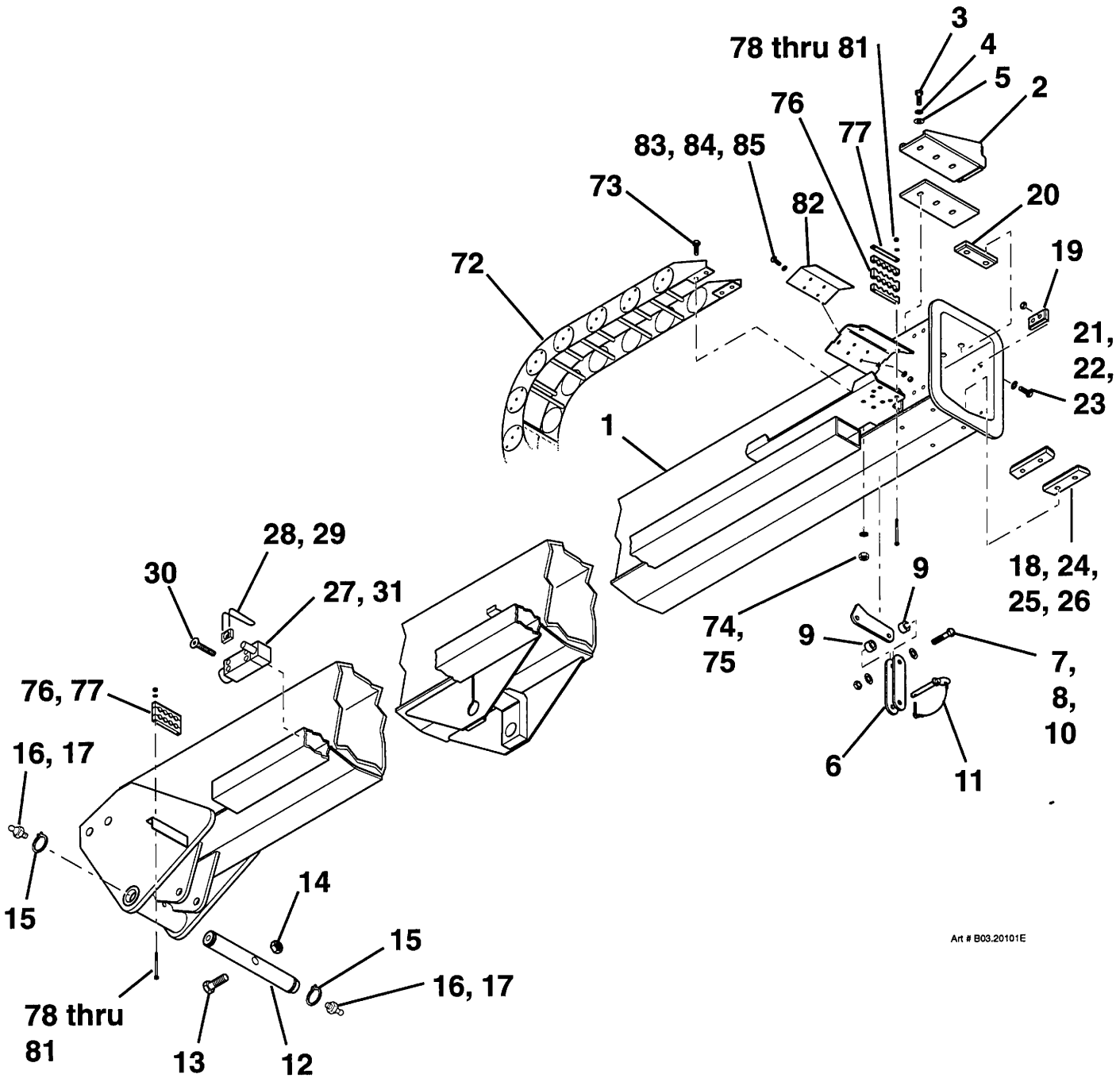


Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE SUPERSTRUCTURE ASSEMBLY, RP 66 (SIMCON CONTROLS)					
	PART NO.	REV. -	DATED 03 MAR., 1997	SECTION B02.	PLATE NO. 205	PAGE 09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2319290		BASE BOOM WELDMENT	1
2	2323240		BRACKET, JIB BOOM STOW	1
3	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	3
4	07-065018		WASHER, HELICAL LOCK (1/2")	3
5	07-062018		WASHER, FLAT (1/2")	3
6	2323170		ARM, JIB BOOM STOW	1
7	07-003091		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/2", Grade 5)	1
8	07-062018		WASHER, FLAT (1/2")	2
9	2325160		SPACER	2
10	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
11			PIN, HITCH (with cotter pin)	1
	07-112000		1/2" x 4" (option with 07-112700)	
	07-112700		1/2" x 4-3/4" (option with 07-112000)	
12			PIN, BOOM PIVOT (2-1/4" x 17")	
	2069146		except Canada	1
	2194590		CSA standards	1
13	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	1
14	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
15	08-043200		RING, RETAINING (2-1/4")	2
16	08-050000		FITTING, GREASE (1/8", Straight)	11
17	08-066300		CAP, GREASE FITTING (White plastic)	11
18	2304460		PAD, WEAR (2" x 8") (Base boom bottom)	2
19	2187740		PAD, WEAR (2" x 4") (Base boom side)	4
20	2302410		PAD, WEAR (Base boom top)	1
21	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10
22	07-065018		WASHER, HELICAL LOCK (1/2")	10
23	07-047018		NUT, JAM (1/2"-13, Grade 5)	10
24	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	4
25	07-065021		WASHER, HELICAL LOCK (5/8")	4
26	07-047021		NUT, JAM (5/8"-11, Grade 5)	4
27	03-493700		SWITCH, LIMIT (Side rotary, 1 normally open, 1 normally closed contact)	1
28	2129540		LEVER BLOCK, LIMIT SWITCH	1
29	03-494100		ARM, LIMIT SWITCH (bent wire)	1
30	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
31	03-045500		GRIP, CORD (1/2", sealed)	2

TITLE	BOOM ASSEMBLY, RP 66 (PLATE 1 OF 5)				
PLATE NO.	B03.201	**SIMON AERIALS INC.**	NEW 11 JUL., 1994	PART NO.	3536040

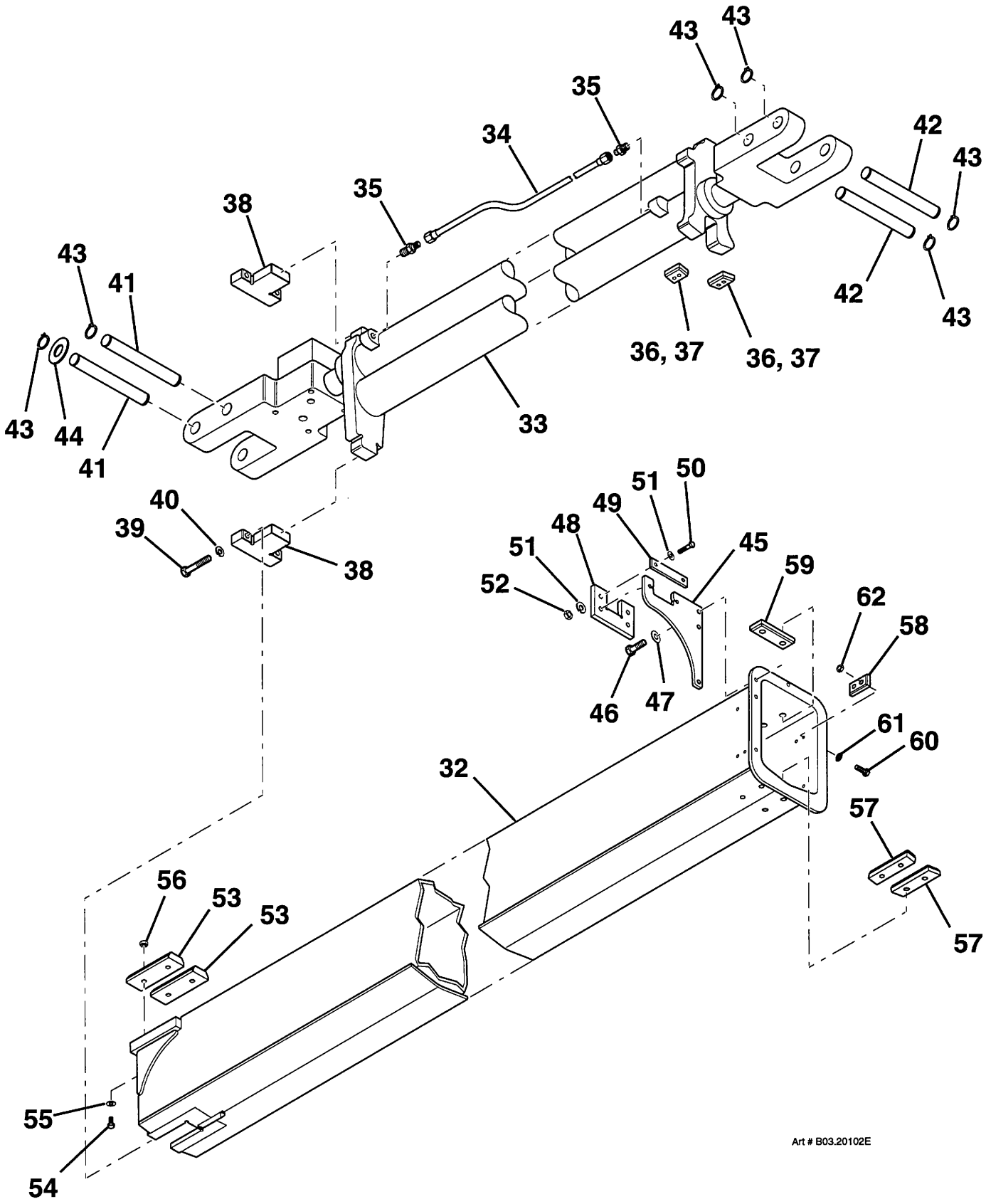


TITLE	BOOM ASSEMBLY, RP 66 (PLATE 1 OF 5)		
SIMON AERIALS INC.	NEW 11 JUL., 1994	PART NO. 3536040	PLATE NO. B03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	2319310		MID BOOM WELDMENT	1
33	04-038900	D19.201	CYLINDER, DOUBLE TELESCOPE	1
34	3536680		TUBE ASSEMBLY, HYDRAULIC	2
35	01-229300		FITTING, ADAPTER	2
36	2321420		PAD, SLIDER	2
37	07-016045		CAP SCREW, FLAT HEAD (3/8"-16 x 1", Grade 5)	4
38	2320700		PLATE, BOOM CAP	2
39	07-003131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 5)	4
40	07-065021		WASHER, HELICAL LOCK (5/8")	4
41			PIN, TELESCOPE CYLINDER (1-1/4" x 12-1/4") (at mid boom)	
	2320530		except Canada	2
	call Simon		CSA standards	2
42			PIN, TELESCOPE CYLINDER (1-1/4" x 7-3/32") (at tip boom)	
	2320520		except Canada	2
	call Simon		CSA standards	2
43	08-040700		RING, RETAINING (1-1/4")	8
44	2325990		WASHER (modified 07-060024)	2
45	2319360		BRACKET, MOVING ANCHOR	1
46	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	3
47	07-065018		WASHER, HELICAL LOCK (1/2")	3
48	2011712		PAD, MOVING ANCHOR GUIDE (Lower)	1
49	2070993		PAD, MOVING ANCHOR GUIDE (Upper)	1
50	07-003090		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5)	4
51	07-062018		WASHER, FLAT (1/2")	8
52	07-050018		NUT, LOCK (1/2"-13, Grade 5)	4
53	2302460		PAD, WEAR (7" x 9-5/8") (Mid boom top, front)	1
54	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	4
55	07-065021		WASHER, HELICAL LOCK (5/8")	4
56	07-047021		NUT, JAM (5/8"-11, Grade 5)	4
57	2187750		PAD, WEAR (2" x 6") (Mid boom bottom, rear)	2
58	2187740		PAD, WEAR (2" x 4") (Mid boom side, rear)	4
59	2187760		PAD, WEAR (2" x 4-3/4") (Mid boom top, rear)	1
60	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	14
61	07-065018		WASHER, HELICAL LOCK (1/2")	14
62	07-047018		NUT, JAM (1/2"-13, Grade 5)	14

TITLE BOOM ASSEMBLY, RP 66 (PLATE 2 OF 5)



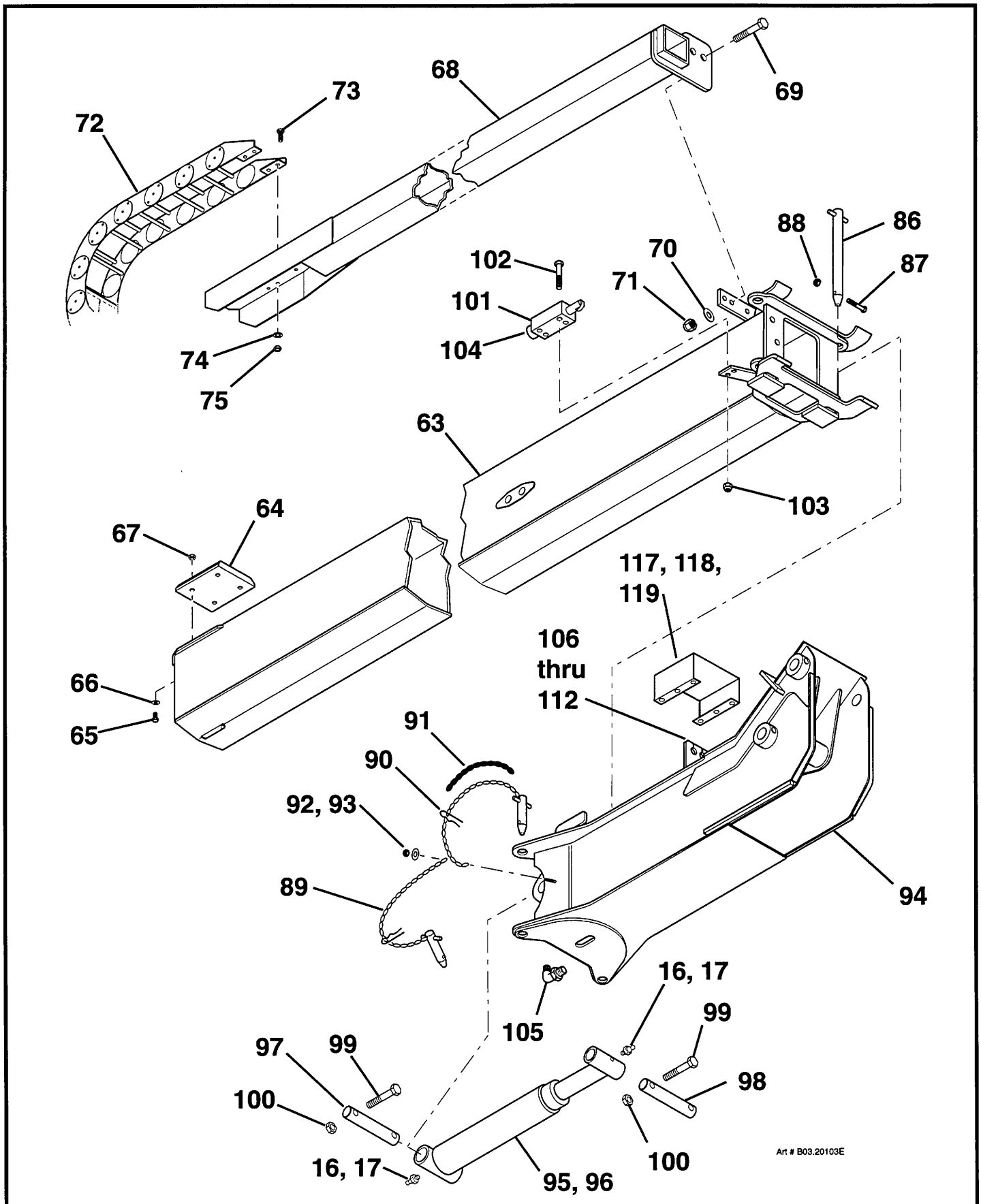
TITLE	BOOM ASSEMBLY, RP 66 (PLATE 2 OF 5)		
SIMON AERIALS INC. NEW 11 JUL., 1994		PART NO. 3536040	PLATE NO. B03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
63	2319320		TIP BOOM WELDMENT	1
64	2189930		PAD, WEAR (6" x 7-5/8") (Tip boom, top, front)	1
65	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
66	07-065018		WASHER, HELICAL LOCK (1/2")	4
67	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
68	2321750		ANCHOR WELDMENT, MOVING	1
69	07-003127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
70	07-062021		WASHER, FLAT (5/8")	4
71	07-050021		NUT, LOCK (5/8"-11, Grade 5)	2
72	08-060200		CARRIER, HOSE (Entire length, 81 links)	1
	08-060201		CARRIER, HOSE [3 Ft (.9 M) long repair section]	A.R.
73	07-017005		CAP SCREW, BUTTON HEAD (1/4"-20 x 1", Grade 5)	8
74	07-062014		WASHER, FLAT (1/4")	16
75	07-050014		NUT, LOCK (1/4"-20, Grade 5)	8
76	2185280		CLAMP, HOSE	5
77	2181180		COMPRESSION BAR, HOSE CLAMP (with countersink)	1
	2181190		COMPRESSION BAR, HOSE CLAMP (without countersink)	1
78	07-090800		CAP SCREW, FLAT HEAD (3/8"-16 x 4-3/4", Grade 5)	2
	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	6
79	07-050016		NUT, LOCK (3/8"-16, Grade 5)	8
	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
80	07-062015		WASHER, FLAT (3/8")	4
	07-062015		WASHER, FLAT (5/16")	2
81	07-065015		WASHER, HELICAL LOCK (5/16")	2
82	2301010		PAD, WEAR (Moving anchor) (8-1/2" x 11" x 1/8")	1
83	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1")	4
84	07-062016		WASHER, FLAT (3/8")	8
85	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
86	2323380		HINGE PIN, TIP SECTION	1
87	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
88	07-050016		NUT, LOCK (3/8"-16, Grade 5)	1
89	2322100		LOCK PIN ASSEMBLY, TIP SECTION (with 12" chain)	2
90	04-003404		PIN, COTTER (Hairpin clip)	2
91	03-405000		TUBING, SHRINK (Black, 1/2") [Bulk item, order as needed. 2.5 Ft (.76 M) needed here]	A.R.
92	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
93	07-062014		WASHER, FLAT (1/4")	1

TITLE BOOM ASSEMBLY, RP 66 (PLATE 3 OF 5)

PLATE NO. B03.201 | **SIMON AERIALS INC.** NEW 11 JUL., 1994 | **PART NO.** 3536040

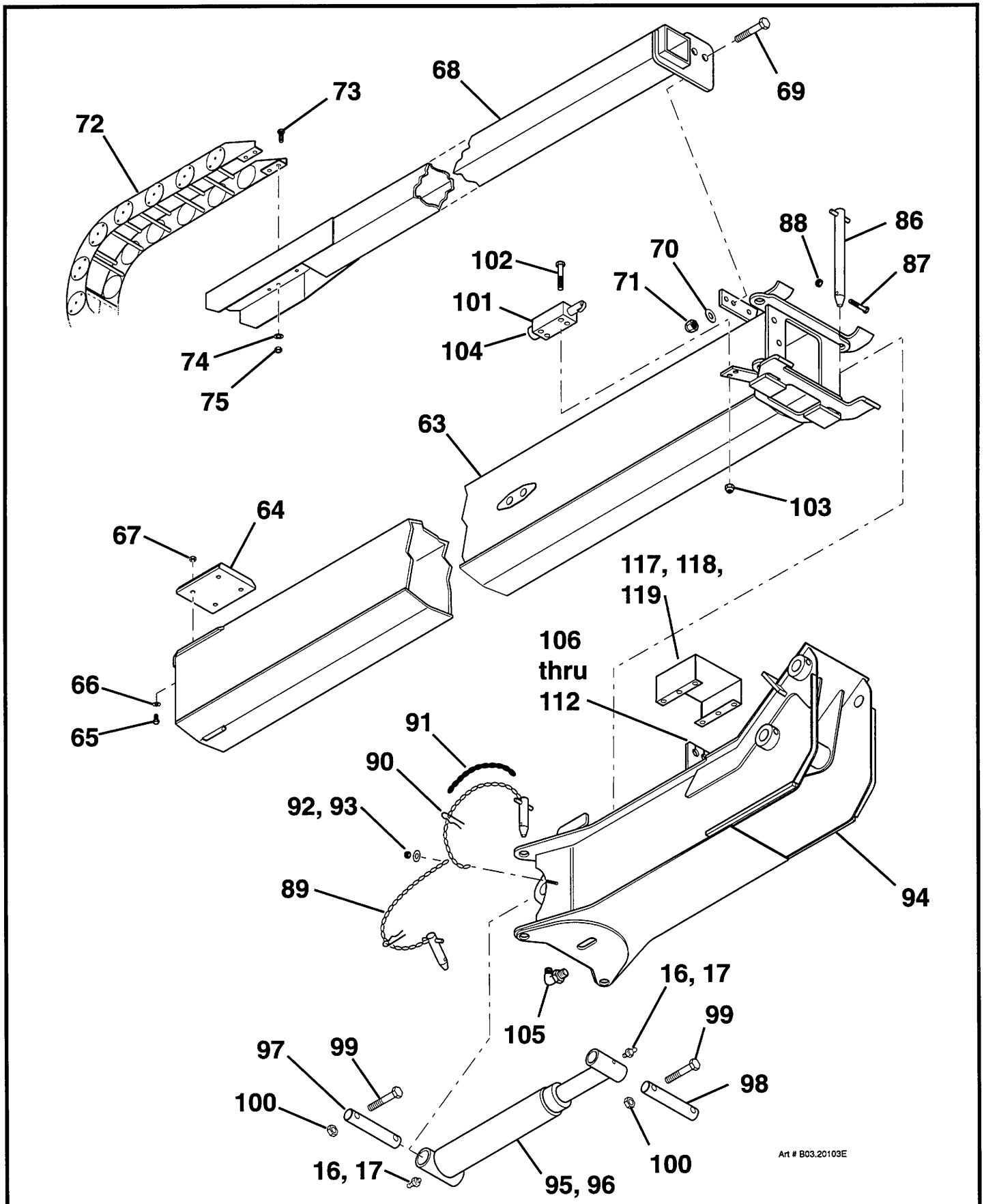


TITLE	BOOM ASSEMBLY, RP 66 (PLATE 3 OF 5)		
SIMON AERIALS INC.	NEW 11 JUL., 1994	PART NO. 3536040	PLATE NO. B03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
94	2319330		HINGE BOOM WELDMENT	1
95	04-039100	D25.201	CYLINDER, JIB BOOM ARTICULATION	1
96	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
97			PIN, ARTICULATION CYLINDER (Base end) (1-1/4" x 5-7/8")	1
	2322050		except Canada	1
	call Simon		CSA standards	1
98			PIN, ARTICULATION CYLINDER (Rod end) (1-1/4" x 6-3/4")	1
	2321910		except Canada	1
	call Simon		CSA standards	1
99	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	4
100	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
101	03-706900		SWITCH, LIMIT (Push roller)	2
102	07-008353		CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)	4
103	07-065011		WASHER, HELICAL LOCK (#10)	4
104	03-045500		GRIP, CORD (1/2")	2
105	06-033300		ELBOW, UNION, BULKHEAD (4 WETX-S)	2
106	06-031800		UNION, BULKHEAD (4 WTX-S)	4
107	03-450100		RECEPTACLE, ELECTRICAL (23 conductor)	2
108	03-450400		PLUG, ELECTRICAL (23 conductor)	2
109	03-450200		NUT, PANEL	2
110	03-450300		WASHER, LOCK	2
111	03-450900		PIN, TERMINAL	38
112	03-451000		SOCKET, TERMINAL	38
113	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)	
			[Bulk item, 30 Ft (9.1 M) required this application]	A.R.
	03-085900		CABLE, ELECTRICAL (SJO, 3 conductor, #12 AWG)	
			[Bulk item, 96 Ft (29.3 M) required this application]	A.R.
	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)	
			[Bulk item, 88 Ft (26.8 M) required this application]	A.R.
	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG)	
			[Bulk item, 184 Ft (56.1 M) required this application]	A.R.
114	3536710		HOSE KIT, RP 66 BOOM	1
115	10-113200		PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8")	9
116	03-064700		TIE, CABLE [14.5" (368 mm) long]	8
117	2325480		COVER, HOSE	1
118	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
119	07-062014		WASHER, FLAT (1/4")	4

TITLE BOOM ASSEMBLY, RP 66 (PLATE 4 OF 5)



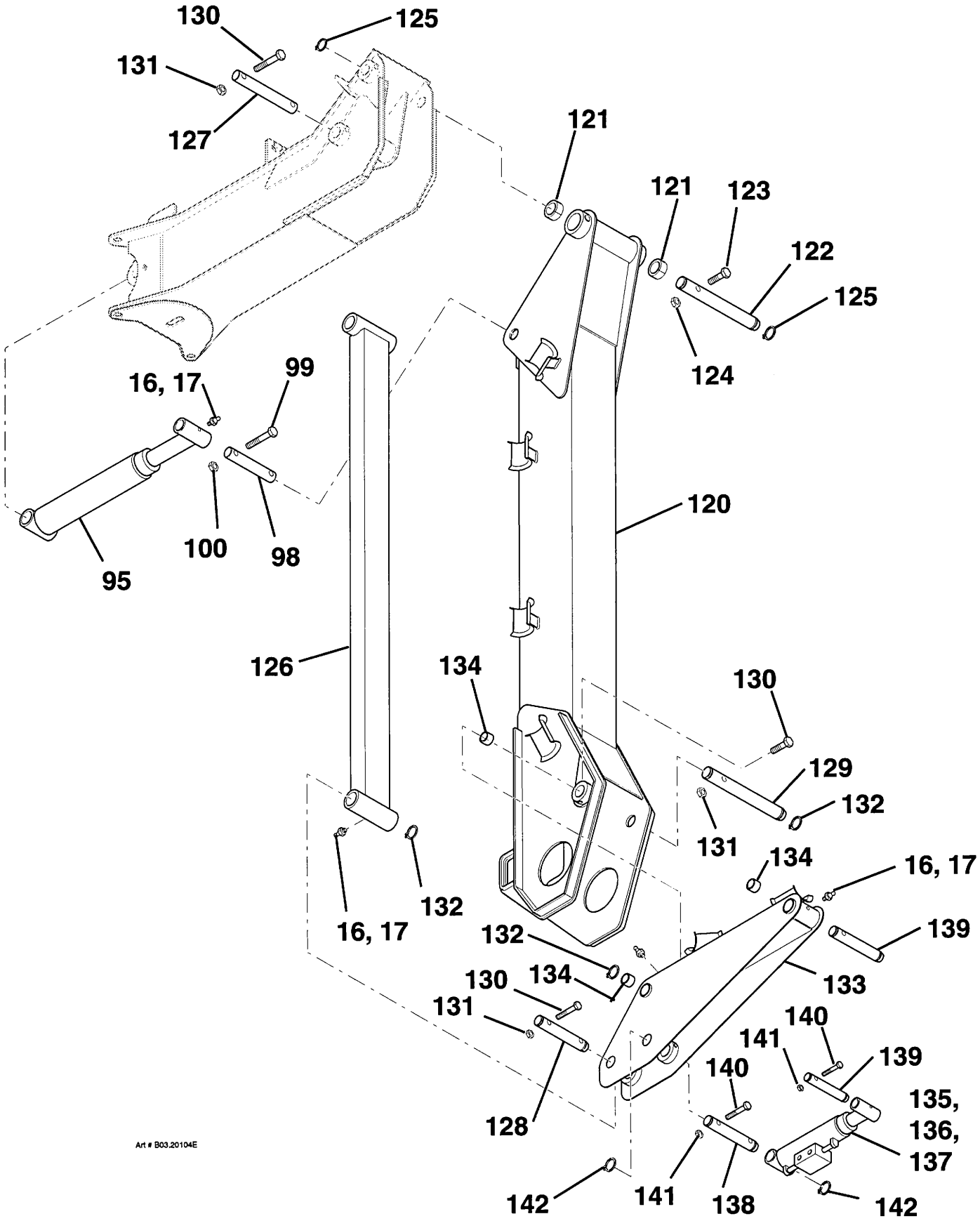
TITLE	BOOM ASSEMBLY, RP 66 (PLATE 4 OF 5)		
SIMON AERIALS INC. NEW 11 JUL., 1994		PART NO. 3536040	PLATE NO. B03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
120	2319340		JIB BOOM WELDMENT	1
121	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4" O.D., 1-1/2" long, 2" flange O.D.)	2
122			PIN, JIB BOOM (Upper end) (1-1/2" x 12-1/4")	
	2322120		except Canada	1
	call Simon		CSA standards	1
123	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
124	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
125	08-040900		RING, RETAINING (1-1/2")	2
126	2320570		PARALLEL ARM WELDMENT	1
127			PIN, PARALLEL ARM (Upper end) (1-1/4" x 5-1/8") **Note:** holes on pin are 4-1/4" (108 mm) apart	
	2322040		except Canada	1
	call Simon		CSA standards	1
128			PIN, PARALLEL ARM (Lower end) (1-1/4" x 5-1/8") **Note:** holes on pin are 3-13/16" (97 mm) apart	
	2322060		except Canada	1
	call Simon		CSA standards	1
129			PIN, JIB BOOM (Lower end) (1-1/4" x 8-13/16")	
	2321920		except Canada	1
	call Simon		CSA standards	1
130	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	5
131	07-050016		NUT, LOCK (3/8"-16, Grade 5)	5
132	08-040700		RING, RETAINING (1-1/4")	2
133	2319370		LOWER LEVELING ARM WELDMENT	1
134	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" flange, 1-1/2" long)	4
135	04-039000	D20.201	CYLINDER, SLAVE LEVEL	1
136	06-090300		REDUCER/ EXPANDER (6-4 F50G5-S)	1
137	06-044300		90° ELBOW, STRAIGHT THREAD (4 C50X-S)	2
138			PIN, SLAVE CYLINDER (1-1/4" x 5-1/8") (Base end)	
	2322060		except Canada	1
	call Simon		CSA standards	1
139			PIN, SLAVE CYLINDER (1-1/4" x 10-1/8") (Rod end) PIN, PLATFORM PIVOT (1-1/4" x 10-1/8")	
	2322070		except Canada	2
	call Simon		CSA standards	2
140	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
141	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
142	08-040700		RING, RETAINING (1-1/4")	4

TITLE BOOM ASSEMBLY, RP 66 (PLATE 5 OF 5)

PLATE NO. B03.201 | **SIMON AERIALS INC.** NEW 11 JUL., 1994 | **PART NO.** 3536040

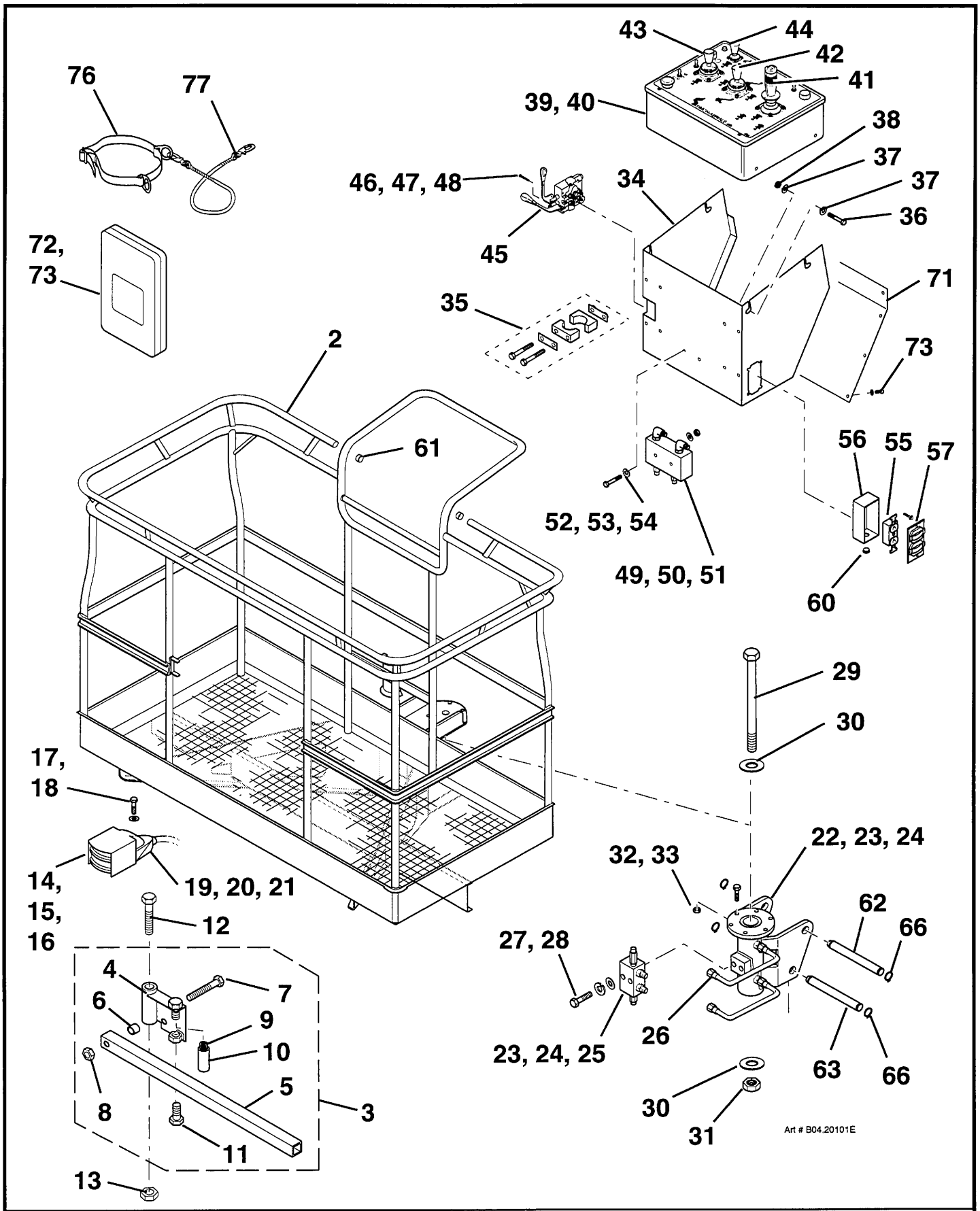


TITLE	BOOM ASSEMBLY, RP 66 (PLATE 5 OF 5)		
SIMON AERIALS INC.	NEW 11 JUL., 1994	PART NO. 3536040	PLATE NO. B03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			PLATFORM GROUP	1
	354 5990		For RP 46 "Reach Plus"	
	353 6050		For RP 66 "Reach Plus"	
1			PLATFORM ASSEMBLY	1
	354 6000		For RP 46 "Reach Plus"	
	353 6060		For RP 66 "Reach Plus"	
2	231 9380		PLATFORM WELDMENT (30" x 60" [.76 M x 1.52 M])	1
3	351 4160		BAR ASSEMBLY, LATCH	1
4	204 1724		PIVOT, DOOR	1
5	207 6577		BAR, LATCH	1
6	204 1649		SPACER, LATCH BAR PIVOT	1
7	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
8	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
9	08-010100		SPRING AND TUBE ASSEMBLY	1
10	210 8380		SPACER	1
11	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
12	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
13	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
14	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
15	03-021301		SWITCH (Single pole, double throw)	1
16	03-021302		COVER, SWITCH (Guard type, with latch)	1
17	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
18	07-065014		WASHER, HELICAL LOCK (1/4")	3
19	03-045000		REDUCER (3/4" NPT to 1/2" NPT)	1
20	03-063300		GRIP, CORD (1/2", with .31" to .38" seal)	1
21	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)	
			(Bulk item, 6 Ft [1.8 M] required this application)	A.R.
22	02-042700	D24.201	ACTUATOR, ROTARY	1
23	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	2
24	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	4
25	01-202000		VALVE, CROSSOVER RELIEF (1200 psi)	1
26	350 7654		TUBE ASSEMBLY (3/8")	2
27	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
28	07-065016		WASHER, HELICAL LOCK (3/8")	2
29	07-111300		CAP SCREW, HEX HEAD (1"-8 x 11", Grade 5)	1
30	07-060024		WASHER, FLAT (1" SAE)	2
31	07-090011		NUT, LOCK (1"-8, Grade 8)	1
32	07-004087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	6
33	07-061018		WASHER, FLAT (1/2" SAE, hardened)	6

TITLE	PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 1 OF 3)			
PLATE NO.	B04.201	**SIMON AERIALS INC.**	REV. 31 JAN., 1996	PART NO.

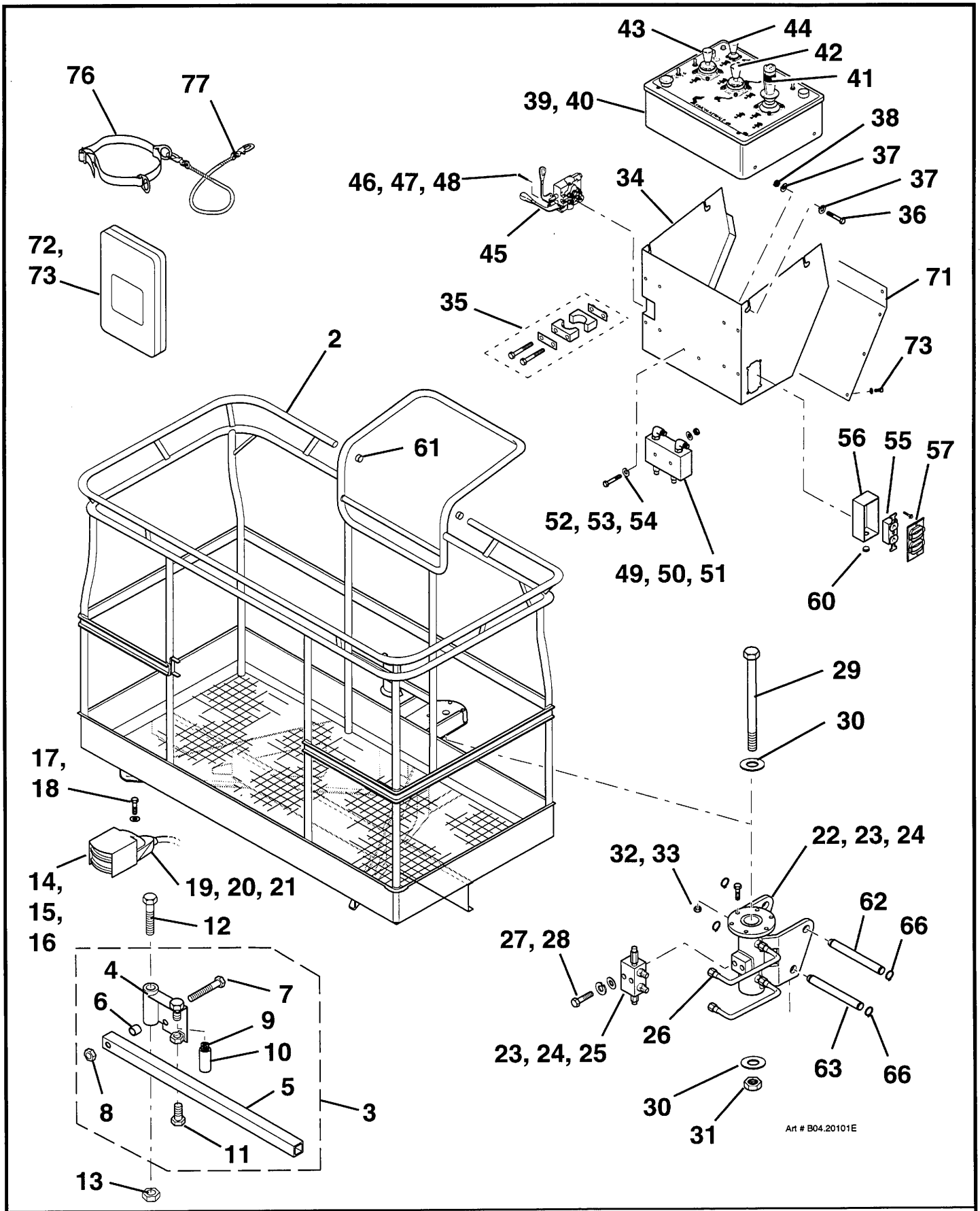


TITLE	PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 31 JAN., 1996	PART NO.	PLATE NO. B04.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	231 4460		BRACKET, CONSOLE MOUNTING	1
35	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
36	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
37	07-062016		WASHER, FLAT (7/16")	8
38	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
39	See Plate . .	C08.201	PLATFORM CONSOLE ASSEMBLY	1
40	231 9740		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
41	See Plate . .	E01.16	CONTROLLER (Drive/ Steer)	1
42	03-491100	E01.10	CONTROLLER	.
			(Superstructure Swing; Boom up/ down)	1
43	See Plate . .	E01.17	CONTROLLER (Boom telescope)	1
44	03-704700	E01.15	CONTROLLER, MINI (Jib boom)	1
45	01-207100	D14.04	VALVE, PLATFORM LEVEL AND ROTATE	1
46	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
47	07-060014		WASHER, FLAT (1/4" SAE)	2
48	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
49	01-001900		VALVE, CHECK (Pilot operated)	1
50	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	2
51	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S)	2
52	07-004047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 8)	2
53	07-062016		WASHER, FLAT (7/16")	4
54	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
55	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
56	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
57	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
58	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4", Grade 5)	4
59	07-062007		WASHER, FLAT (#6)	4
60	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
61	11-203300		CAP, END (Caplug, 1-1/4" I.D.)	2

TITLE	PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 2 OF 3)			
PLATE NO.	B04.201	**SIMON AERIALS INC.**	REV. 31 JAN., 1996	PART NO.



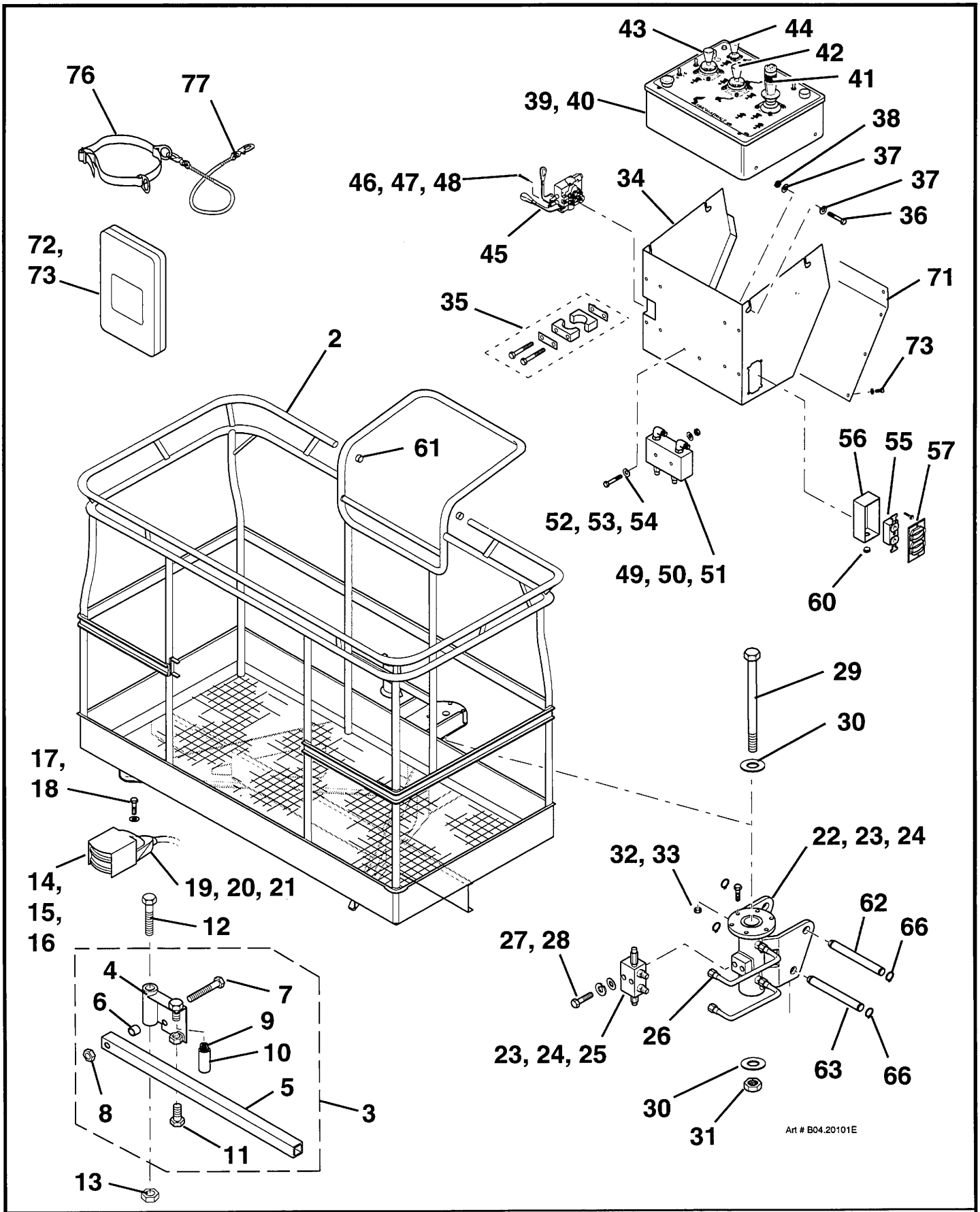
TITLE	PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 2 OF 3)		
SIMON AERIALS INC. REV. 31 JAN., 1996		PART NO.	PLATE NO. B04.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items **are not** part of the Platform **Assembly**, but **are** included in the Platform **Group**:	
62	232 2070		PIN, PLATFORM PIVOT (1-1/4" x 10-1/8")	1
63	232 2070		PIN, SLAVE CYLINDER (1-1/4" x 10-1/8") (Rod end)	1
64	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
65	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
66	08-040700		RING, RETAINING (External, 1-1/4")	4
67	205 4670		CLAMP, HOSE (Two hole, #4)	1
68	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
69	07-062014		WASHER, FLAT (1/4")	1
70	10-150900		SLEEVE, PLASTIC COIL (Bulk item, order as needed. 10 Ft [3.05 M] needed in this application.)	A.R.
			The following **are not** included in the Platform Group:	
71	233 3750		COVER, PLATFORM	1
72	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
73	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	11
74	03-066400		TIE, CABLE (20" [51 mm] long)	2
75	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	1
76	10-034000		BELT, SAFETY (option)	1
77	10-033900		LANYARD, SAFETY BELT	1
78	03-038800		LAMP, CONTROL PANEL (hooded) (option)	2
79	03-418600		BULB, PANEL LAMP (12 Volt, #68)	2

TITLE PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 3 OF 3)

PLATE NO.			PART NO.
B04.201	**SIMON AERIALS INC.**	REV. 31 JAN., 1996	



TITLE	PLATFORM ASSEMBLY, RP 46, RP 66 (PLATE 3 OF 3)		
SIMON AERIALS INC. REV. 31 JAN., 1996		PART NO.	PLATE NO. B04.201

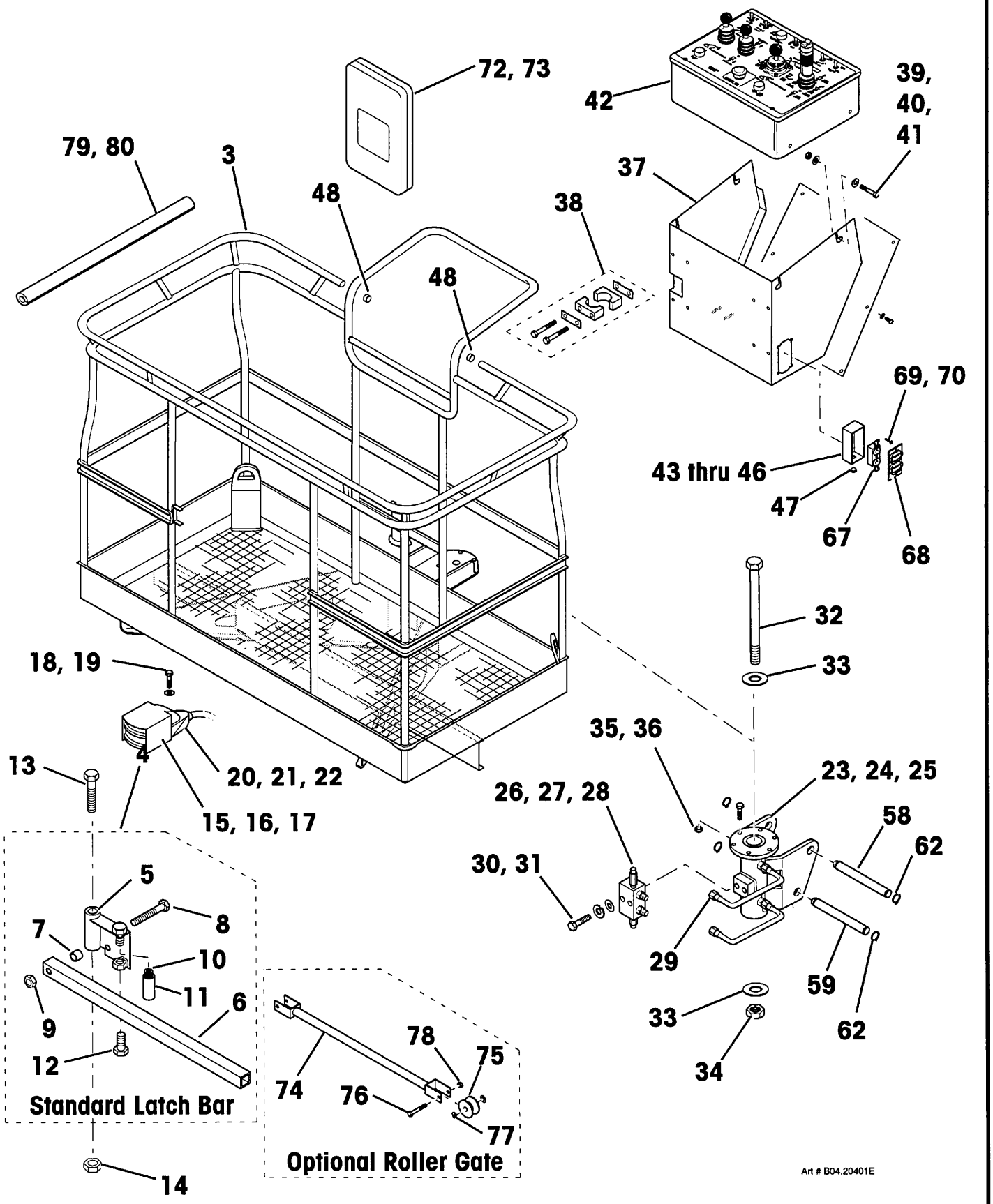
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM GROUP (with "**Simcon**" Controls)	1
	355 0270		Model RP 46	
	355 0370		Model RP 66	
2			PLATFORM ASSEMBLY (30" x 60" [.76 m x 1.52 m])	
	355 0650		Model RP 46	
	355 0120		Model RP 66	
3	231 9380		PLATFORM WELDMENT	1
4	351 4160		BAR ASSEMBLY, LATCH (standard "Lift and Swing" style)	1
5	204 1724		PIVOT, DOOR	1
6	207 6577		BAR, LATCH	1
7	204 1649		SPACER, LATCH BAR PIVOT	1
8	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
9	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
10	08-010100		SPRING AND TUBE ASSEMBLY	1
11	210 8380		SPACER	1
12	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
13	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
14	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
15	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
16	03-021301		SWITCH (Single pole, double throw)	1
17	03-021302		COVER, SWITCH (Guard type, with latch)	1
18	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
19	07-065014		WASHER, HELICAL LOCK (1/4")	3
20	03-045000		REDUCER (3/4" to 1/2")	1
21	03-063300		GRIP, CORD (90°, 1/2", with .31" to .38" seal)	1
22	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)	
			(Bulk item, 7 ft [2.1 m] required this application)	A.R.

TITLE: PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

SECTION B04. | PLATE NO. 204 | PAGE 01 | REV. - | DATED 03 MAR., 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



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

TITLE: PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B04.	204	01

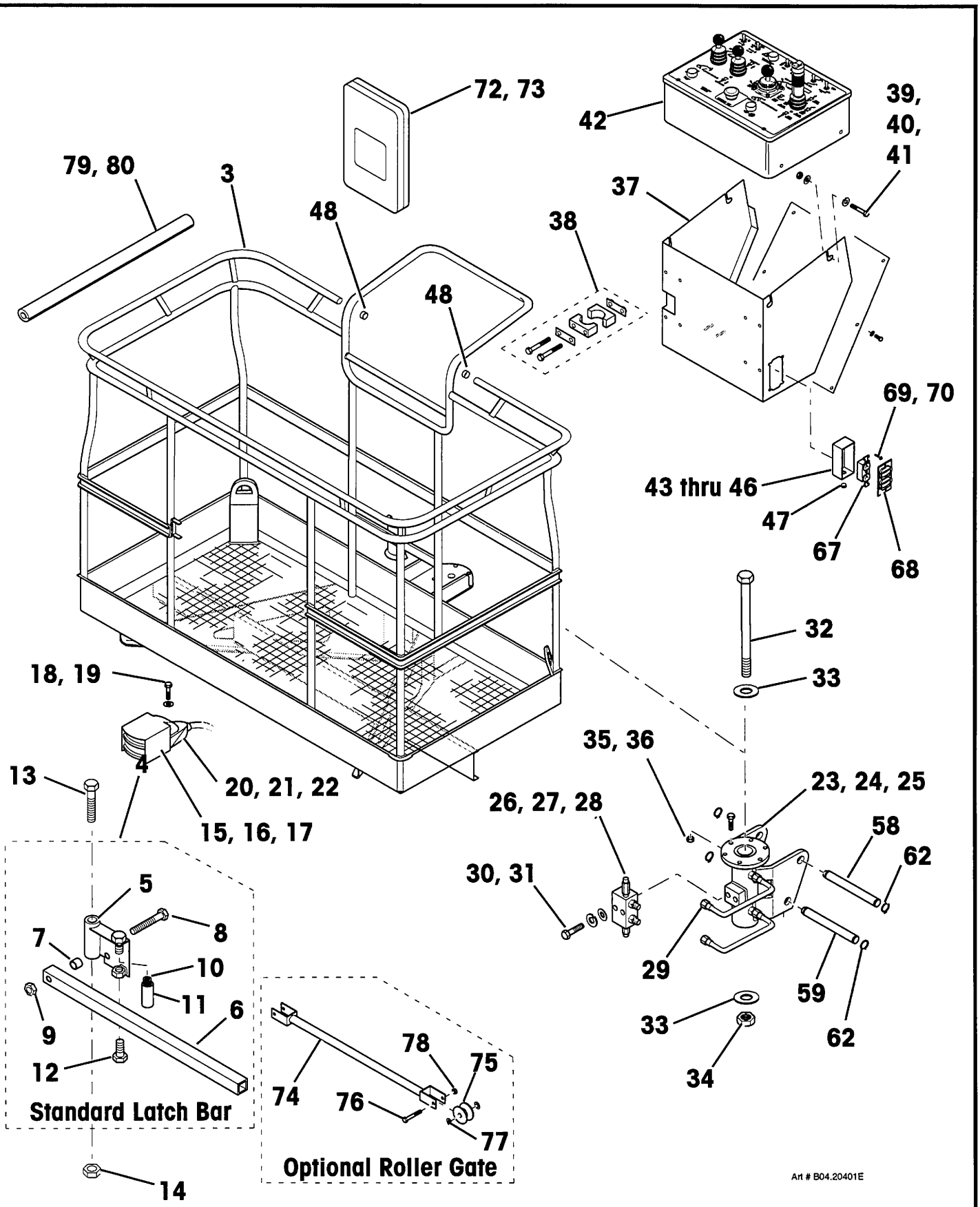
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			PLATFORM GROUP (continued)	
			PLATFORM ASSEMBLY (continued)	
23	02-042700	D24.201	PLATFORM ROTARY ACTUATOR ASSEMBLY	1
24	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	2
25	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	4
26	01-202000		VALVE, CROSSOVER RELIEF (1200 psi)	1
27	01-202001		CARTRIDGE, RELIEF VALVE	1
28	01-202002		CARTRIDGE, CHECK VALVE	1
29	350 7654		TUBE ASSEMBLY (3/8")	2
30	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
31	07-065016		WASHER, HELICAL LOCK (3/8")	2
32	07-111300		CAP SCREW, HEX HEAD (1"-8 x 11", Grade 5)	1
33	07-060024		WASHER, FLAT (1" SAE)	2
34	07-090011		NUT, LOCK (1"-8, Grade 8)	1
35	07-004087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	6
36	07-061018		WASHER, FLAT (1/2" SAE, hardened)	6
37	231 4450		BRACKET, CONSOLE MOUNTING	1
38	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
39	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
40	07-062016		WASHER, FLAT (3/8")	8
41	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
42	See Plate . .	C08. - -	PLATFORM CONTROL CONSOLE ASSEMBLY	1
43	03-062100		BOX, ELECTRICAL RECEPTACLE (Weatherproof)	1
44	07-090156		CAP SCREW, BUTTON HEAD SOCKET	
			(1/4"-20 x 5/8", Stainless steel)	2
45	07-062014		WASHER, FLAT (1/4")	4
46	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
47	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1
48	11-203300		CAPLUG (1-1/4" I.D.)	2
49	205 4670		CLAMP, HOSE (2 hole, #4)	A.R.
50	07-062014		WASHER, FLAT (1/4")	A.R.
51	07-050014		NUT, LOCK (1/4"-20, Grade 5)	A.R.
52	03-066400		TIE, CABLE (20" [508 mm] long)	A.R.
53	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	A.R.
54	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
55	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
56	10-113200		PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8" thick)	4
57	03-091900		TERMINAL, SPADE (Yellow, #10 stud, #10-12 AWG)	1

TITLE: PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

SECTION B04. | PLATE NO. 204 | PAGE 02 | REV. - | DATED 03 MAR., 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



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Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE: PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B04.	204	02

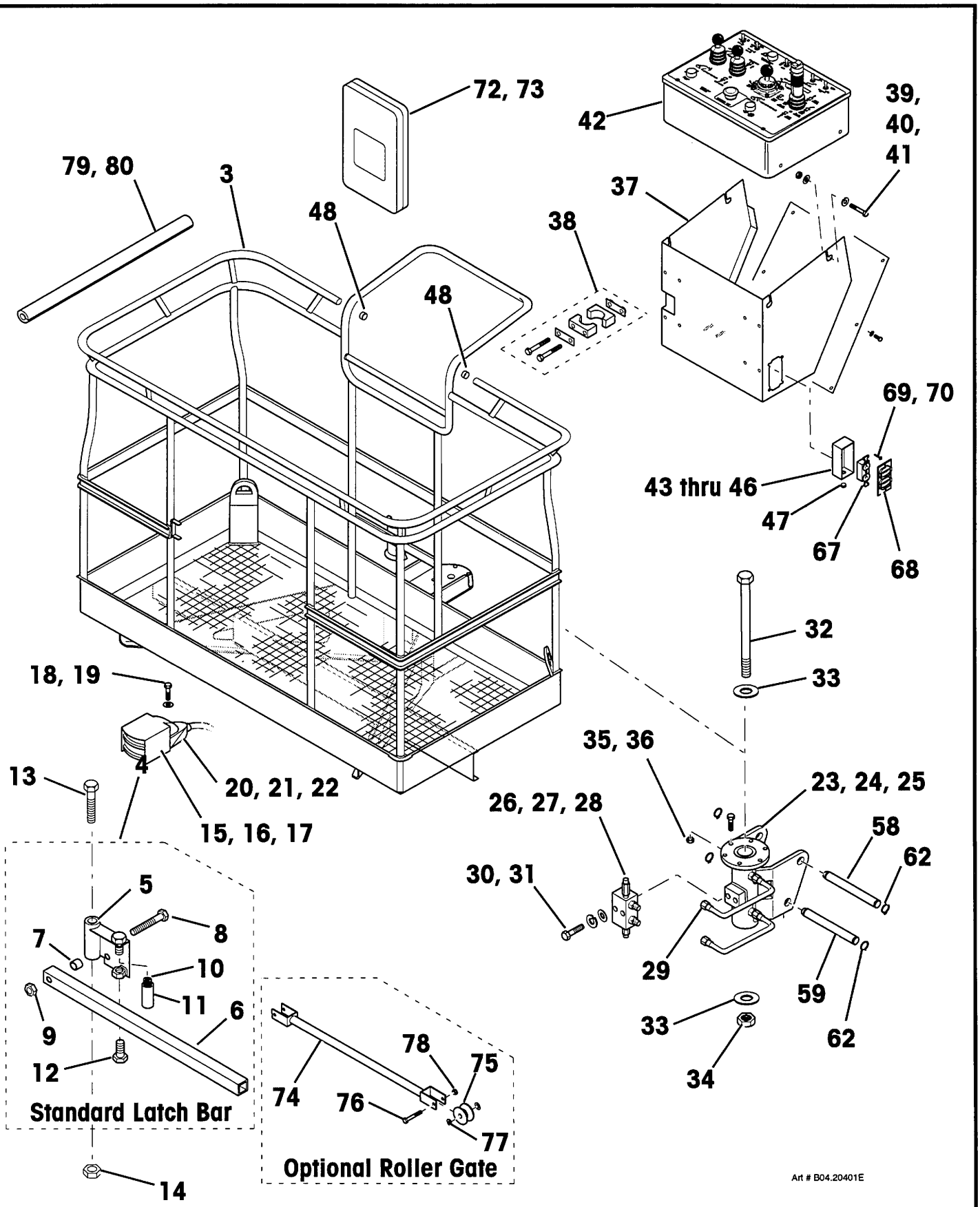
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items **are not** included with the Platform **Assembly**. They **are** included with the Platform **Group**:	
58	232 2070		PIN, PLATFORM PIVOT (1-1/4" x 10.12")	1
59	232 2070		PIN, SLAVE CYLINDER (1-1/4" x 10.12") (Rod end)	1
60	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
61	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
62	08-040700		RING, RETAINING (External, 1.25")	4
63	205 4670		CLAMP, HOSE (Two hole, #4)	1
64	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
65	07-062014		WASHER, FLAT (1/4")	1
66	10-150900		SLEEVE, PLASTIC COIL (Bulk item, order as needed. 10 Ft [3.05 M] needed in this application.)	A.R.
67	03-067000		RECEPTACLE, ELECTRICAL CONVENIENCE Duplex, 20 Amp, 110 Volt AC, Self-grounding	1
68	03-711300 03-062200		Single, 20 Amp, 220 Volt AC COVER, ELECTRICAL RECEPTACLE (Weatherproof) For standard 110 Volt Duplex outlet	1
69	03-711400 07-011355		For single 220 Volt outlet MACHINE SCREW, ROUND HEAD (#10-24 x 3/4")	2
70	07-050011		NUT, LOCK (#10-24, Grade 2)	2
71			HOSE KIT, PLATFORM	1
			The following items **are not** included with the Platform **Assembly** or Platform **Group**:	
72	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
73	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
74	219 8520		BAR, GATE (optional pull up "Roller Gate" style)	1
75	219 8510		ROLLER, PULL UP GATE	2
76	07-003051		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2", Grade 5)	2
77	07-062016		WASHER, FLAT (7/16")	4
78	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
79	10-063200		TUBING, FOAM INSULATION (option) (1-1/8" [29 mm] I.D., 1" [25.4 mm] wall)	A.R.
80	10-089500		TAPE, MARKING (to wrap optional foam tubing) (Yellow, 2" [51 mm] wide x 36 Yd. [32.9 M] long roll)	A.R.

TITLE: PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
B04.	204	03	-	03 MAR., 1997	

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 Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

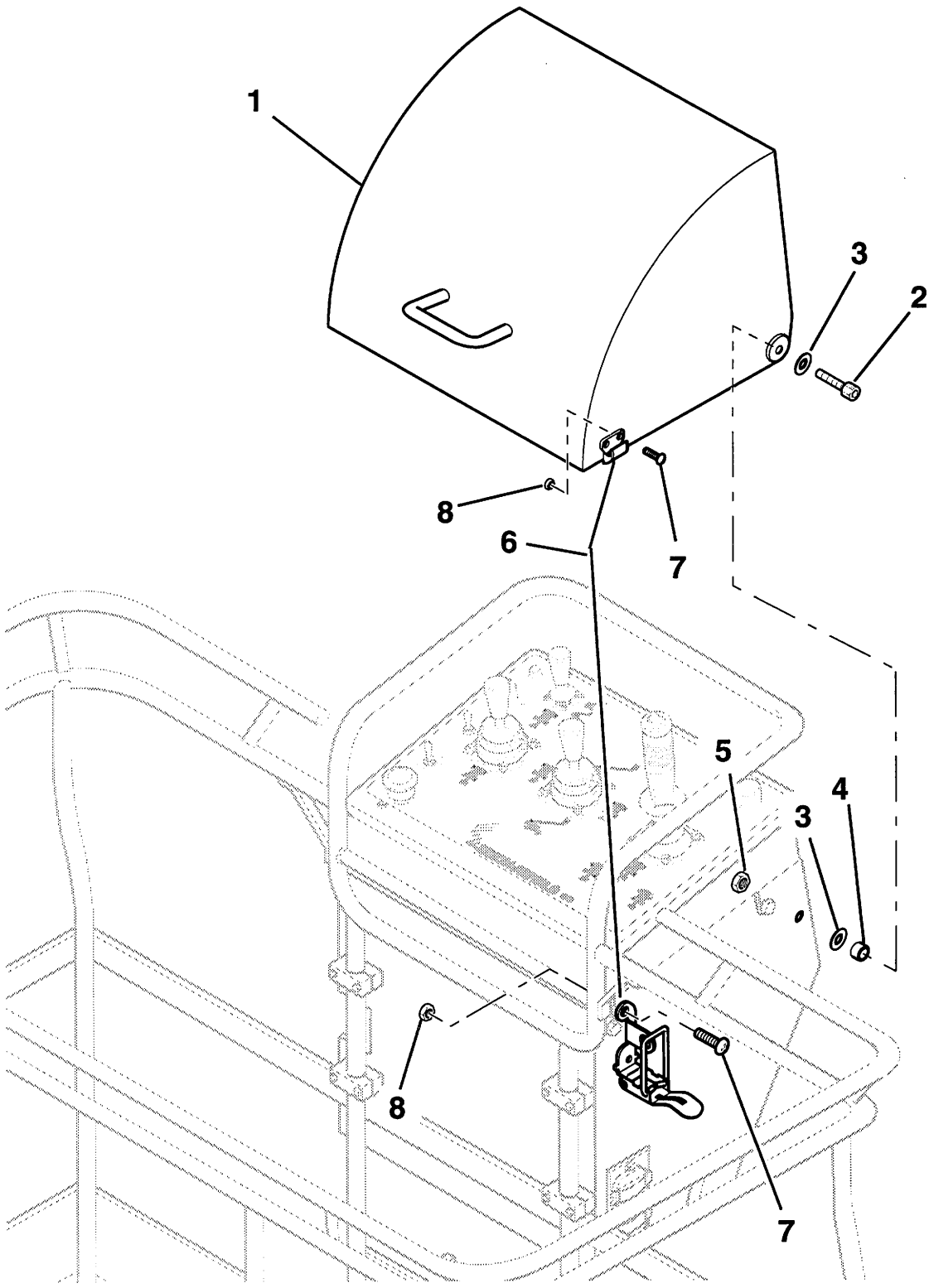
PLATFORM GROUP, RP 46, RP 66 WITH SIMCON CONTROLS

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	03 MAR., 1997	B04.	204	03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2326430		COVER WELDMENT, PLATFORM CONSOLE	1
2	07-017046		CAP SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Hex socket, Grade 5)	2
3	07-062016		WASHER, FLAT (3/8")	4
4	06-059000		SLEEVE (6 TX-S Hydraulic Fitting)	2
5	07-040016		NUT, HEX (3/8"-16, Grade 5)	2
6	10-030100		LATCH, DRAW	2
7	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	4
8	07-040111		NUT, HEX LOCK (#10-32, Grade 5)	4

TITLE	PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES			
PLATE NO.	B04.299	**SIMON AERIALS INC.**	REV. 27 OCT., 1994	PART NO. 2326440



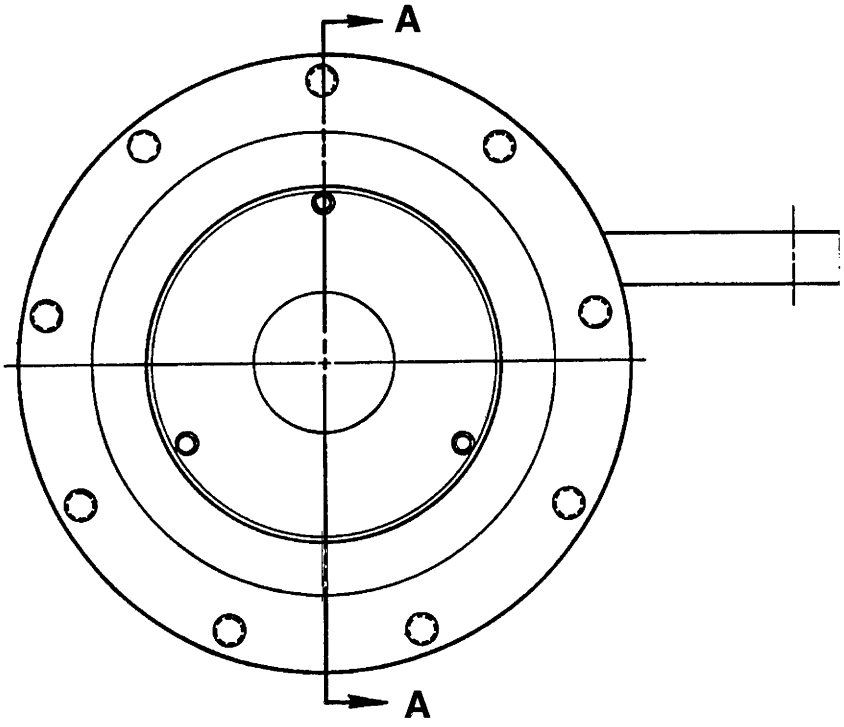
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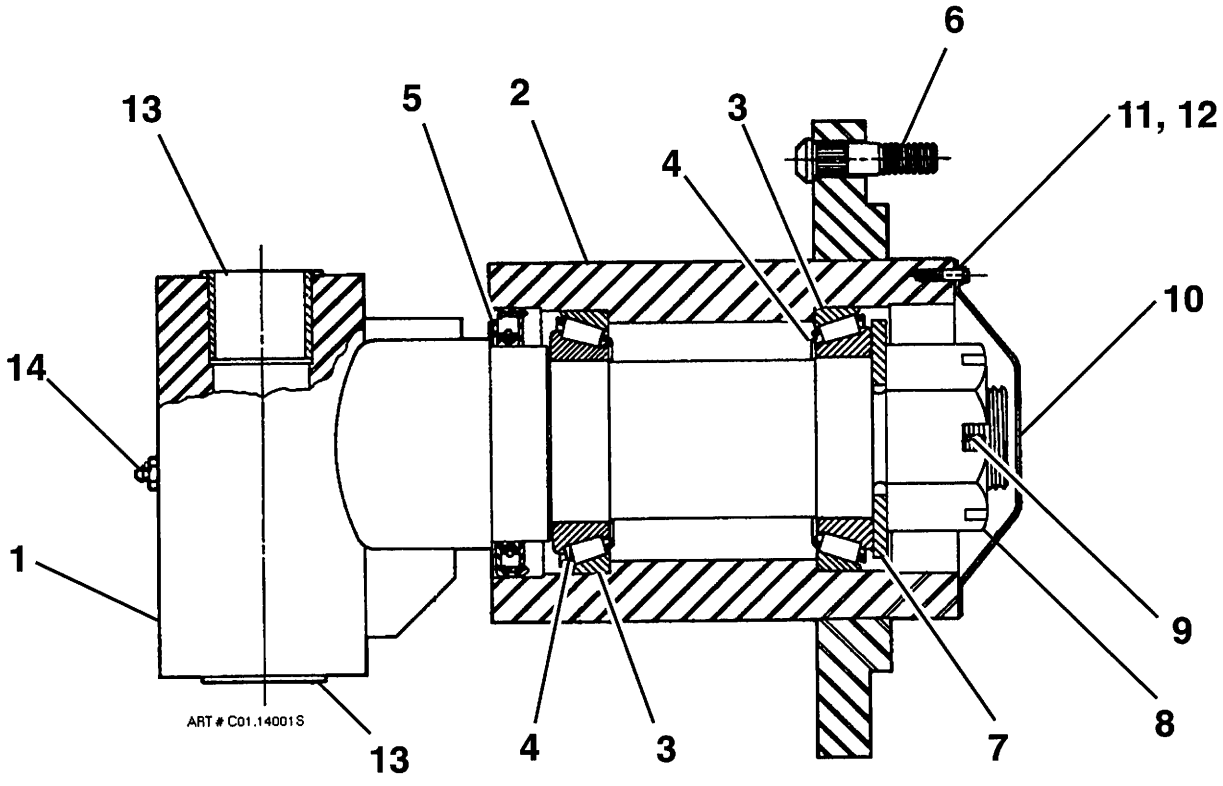
TITLE	PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES		
SIMON AERIALS INC. REV. 27 OCT., 1994		PART NO. 2326440	PLATE NO. B04.299

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3502495		SPINDLE ASSEMBLY (Right)	1
1	2070702		SPINDLE (Right)	1
2	2022585		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (4.437" O.D.)	2
4	08-003500		CONE AND ROLLER, BEARING (2.750" I.D.)	2
5	01-030700		SEAL, SHAFT OIL (3-1/4" I.D., 4-1/2" O.D.)	1
6	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
7	07-062027		WASHER, FLAT (1-3/4")	1
8	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
9	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
10	2021131		PLATE, SPINDLE END COVER	1
11	07-003001		CAP SCREW, HEX HEAD (1/4" - 20 X 1/2", Grade 5)	3
12	07-065014		WASHER, HELICAL LOCK (1/4")	3
13	08-014000		BEARING SLEEVE (1-1/2" I.D., 1-1/2" long)	2
14	08-051300		FITTING, GREASE (1/8", 90°)	1

TITLE	SPINDLE ASSEMBLY, RIGHT HAND				
PLATE NO.	C01.14	SIMON AERIALS INC.	REV. 12 MAR., 1993	PART NO.	3502495





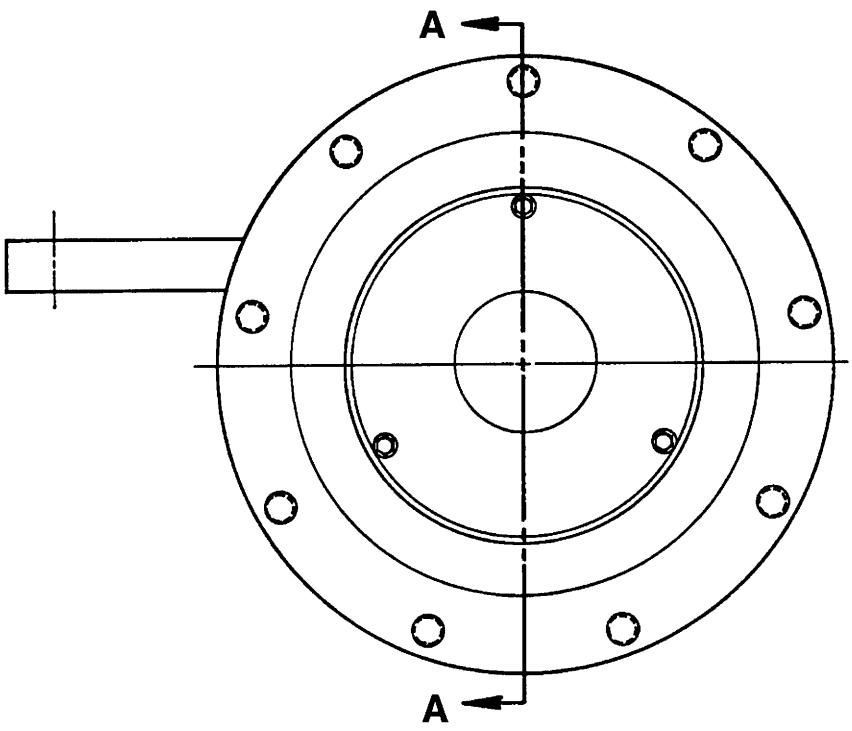
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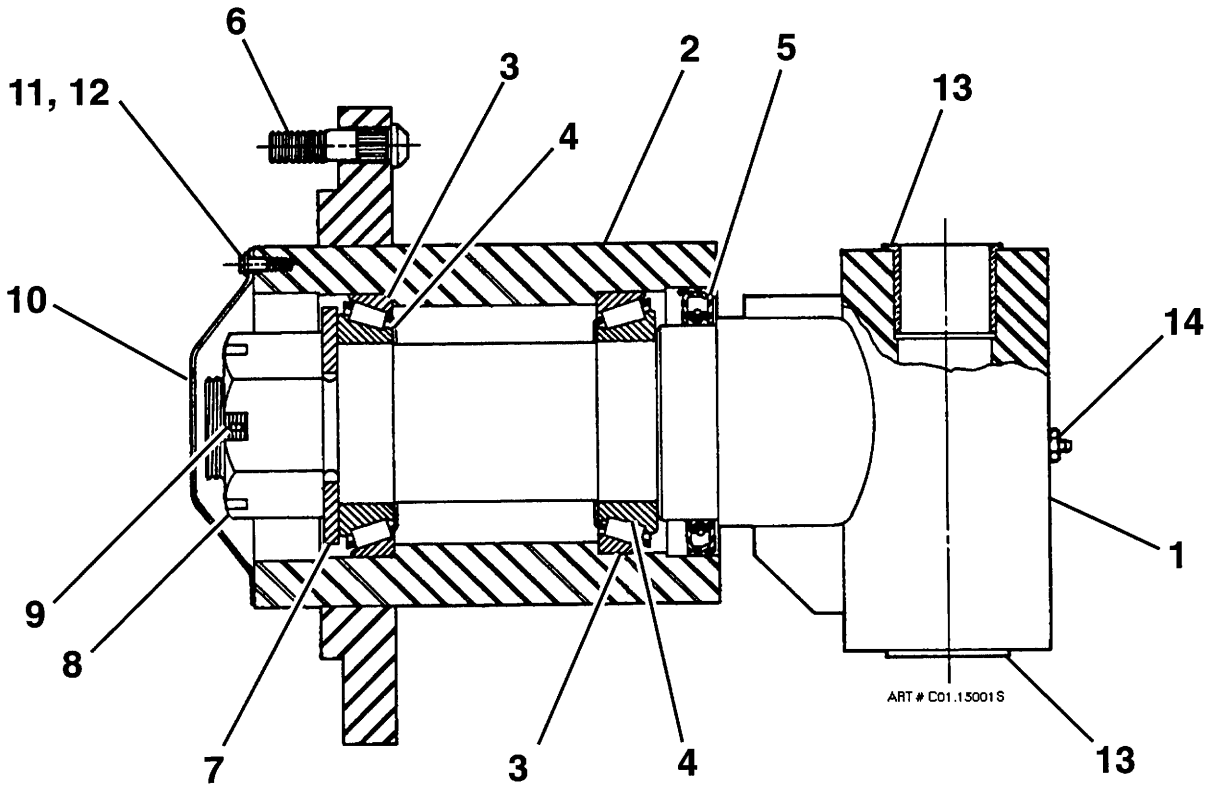
TITLE	SPINDLE ASSEMBLY, RIGHT HAND		
SIMON AERIALS INC. REV. 12 MAR., 1993	PART NO. 3502495	PLATE NO. C01.14	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3503089		SPINDLE ASSEMBLY (Left)	1
1	2070711		SPINDLE (Left)	1
2	2022585		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (4.437" O.D.)	2
4	08-003500		CONE AND ROLLER, BEARING (2.750" I.D.)	2
5	01-030700		SEAL, SHAFT OIL (3-1/4" I.D., 4-1/2" O.D.)	1
6	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
7	07-062027		WASHER, FLAT (1-3/4")	1
8	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
9	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
10	2021131		PLATE, SPINDLE END COVER	1
11	07-003001		CAP SCREW, HEX HEAD (1/4" - 20 X 1/2", Grade 5)	3
12	07-065014		WASHER, HELICAL LOCK (1/4")	3
13	08-014000		BEARING SLEEVE (1-1/2" I.D., 1-1/2" long)	2
14	08-051300		FITTING, GREASE (1/8", 90°)	1

TITLE	SPINDLE ASSEMBLY, LEFT HAND			
PLATE NO.	C01.15	**SIMON AERIALS INC.**	REV. 12 MAR., 1993	PART NO. 3503089





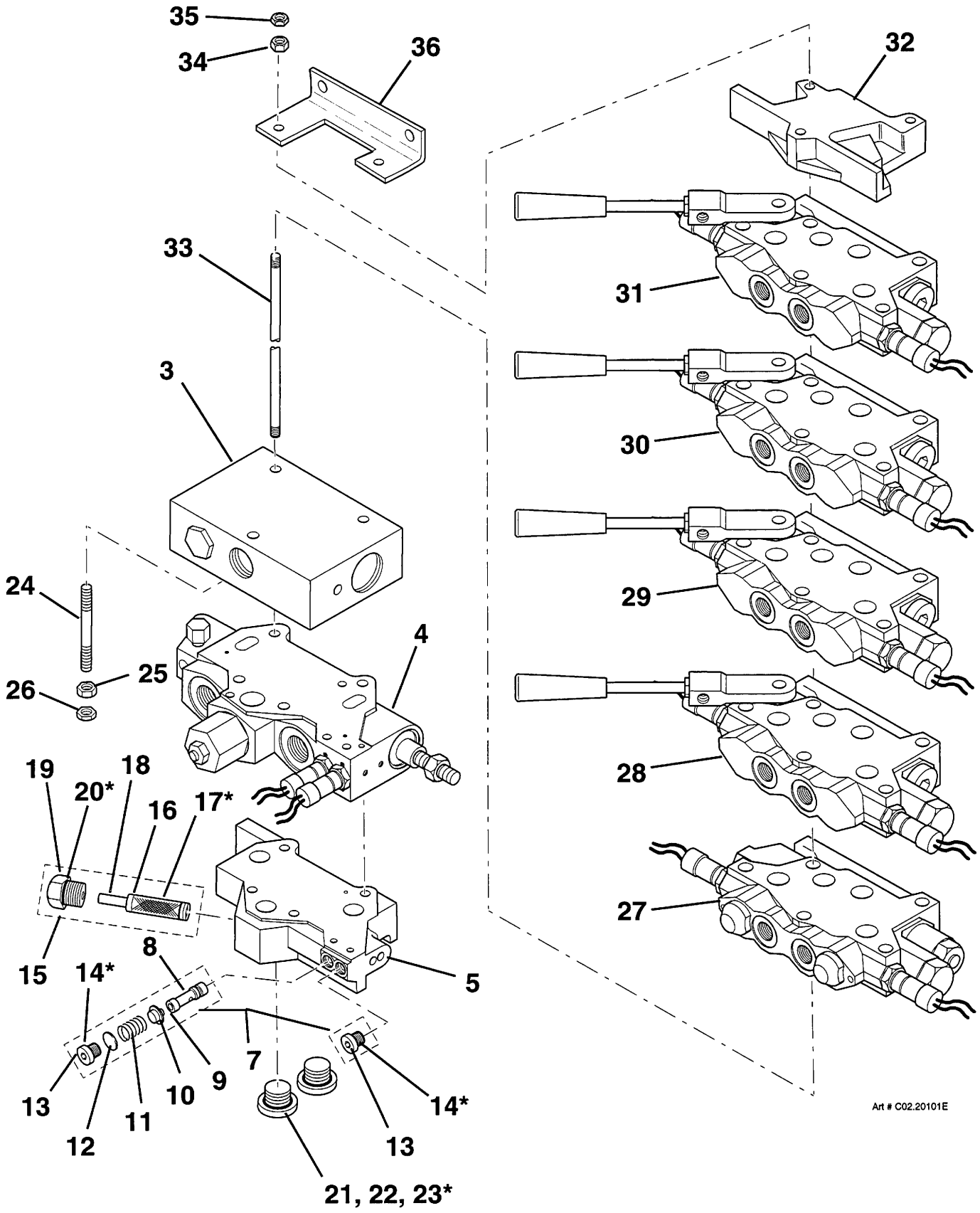
SECTION "A" - "A"

TITLE	SPINDLE ASSEMBLY, LEFT HAND		
SIMON AERIALS INC. REV. 12 MAR., 1993		PART NO. 3503089	PLATE NO. C01.15

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			GROUND VALVE BANK ASSEMBLY	1
	353 8650		For Model RP 46 (handles not used with Simcon controls)	
	353 6090		For Model RP 66 (handles not used with Simcon controls)	
2			GROUND VALVE BANK	1
	01-234500		For Model RP 46	
			(nameplate is stamped "VAC 5710-0004-**003**")	
	01-231200		For Model RP 66	
			(nameplate is stamped "VAC 5710-0004-**001**")	
3			MANIFOLD, ADAPTER	1
4	See plate . .	D13.06	VALVE SEGMENT, DRIVE CONTROL	1
5	Call Simon		INLET, LOAD SENSING	1
6	Call Simon		SEAL KIT, INLET (includes all items with asterisk*)	1
7	Call Simon		PILOT REDUCING KIT	1
8			SPOOL, PILOT REDUCING	1
9			BALL	1
10			GUIDE, SPRING	1
11			SPRING	1
12			SHIM	1
13			PLUG, SOCKET	2
14		*	"O"-RING	2
15	Call Simon		INLET FILTER KIT	1
16			FILTER	1
17		*	"O"-RING	1
18			TUBE, FILTER EXTENSION	1
19			PLUG, SOCKET	1
20		*	"O"-RING	1
21	Call Simon		PLUG, SAE PORT	2
22			PLUG	1
23		*	"O"-RING	1
24			ROD, TIE	4
25			NUT, HEX	4
26			NUT, HEX JAM	4
27	See plate . .	D13.08	VALVE SEGMENT, STEER CONTROL	1
28	See plate . .	D13.09	VALVE SEGMENT, JIB BOOM RAISE/ LOWER	1
29	See plate . .	D13.07	VALVE SEGMENT, BOOM TELESCOPE	1
30	See plate . .	D13.09	VALVE SEGMENT, MAIN BOOM RAISE/ LOWER	1
31	See plate . .	D13.10	VALVE SEGMENT, SWING CONTROL	1
32	01-231201		PLATE, STACKING	1
33			ROD, TIE	3
34			NUT, HEX	3
35			NUT, HEX JAM	3
36	Call Simon		BRACKET, VALVE BANK MOUNTING	1

TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 1 OF 3)		
PLATE NO. C02.201	**SIMON AERIALS INC.**	REV. 04 MAR., 1997	PART NO.

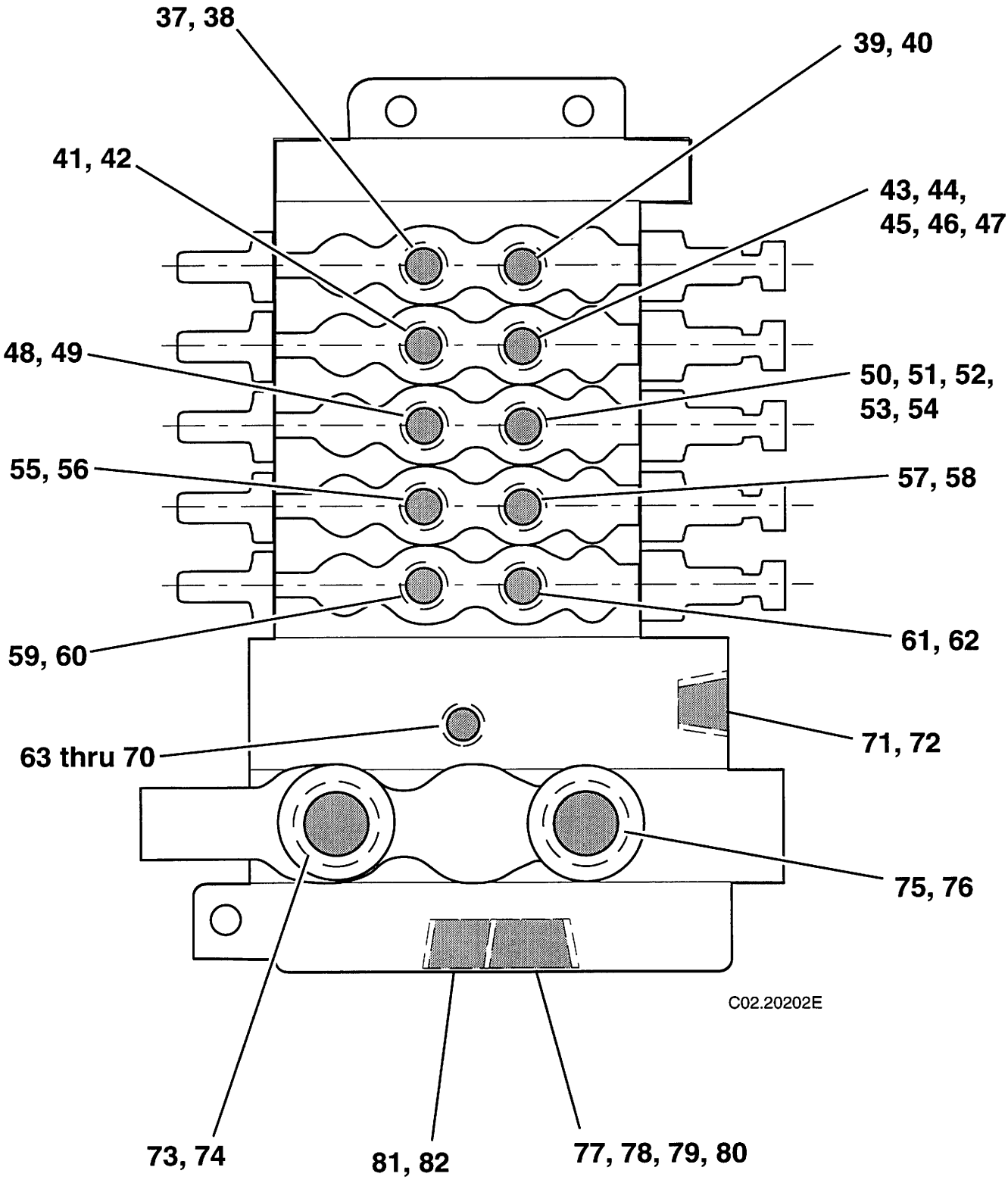


TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 04 MAR., 1997	PART NO.	PLATE NO. C02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items **are** included with the Ground Valve **Bank Assembly**. They **are not** included with the Ground Valve **Bank**:	
			Swing Control Valve Segment (Top section):	
			Left port:	
37	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
38	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
			Right port:	
39	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
40	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S) (current)	1
	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S) (earlier)	1
			Main Boom Raise/ Lower Control Valve Segment:	
			Left port:	
41	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
42	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	1
			Right port:	
43	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
44	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S) (current)	1
	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S) (earlier)	1
45	06-207800		ADAPTER, SWIVEL NUT (8 F65OX-S)	1
46	01-019000		VALVE, FLOW CONTROL (Needle valve, #8 SAE ports)	1
47	06-047100		45° ELBOW, "O"-RING TO 37° (8 V5OX-S) (earlier)	1
			Boom Telescope Control Valve Segment:	
			Left port:	
48	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
49	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	1
			Right port:	
50	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	1
51	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S) (current)	1
	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S) (earlier)	1
52	06-207800		ADAPTER, SWIVEL NUT (8 F65OX-S)	1
53	01-019000		VALVE, FLOW CONTROL (Needle valve, #8 SAE ports)	1
54	06-047100		45° ELBOW, "O"-RING TO 37° (8 V5OX-S) (earlier)	1
			Jib Boom Raise/ Lower Control Valve Segment:	
			Left port:	
55	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
56	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
			Right port:	
57	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
58	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S) (current)	1
	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S) (earlier)	1

TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 2 OF 3)		
PLATE NO. C02.201	**SIMON AERIALS INC.**	REV. 04 MAR., 1997	**PART NO.**

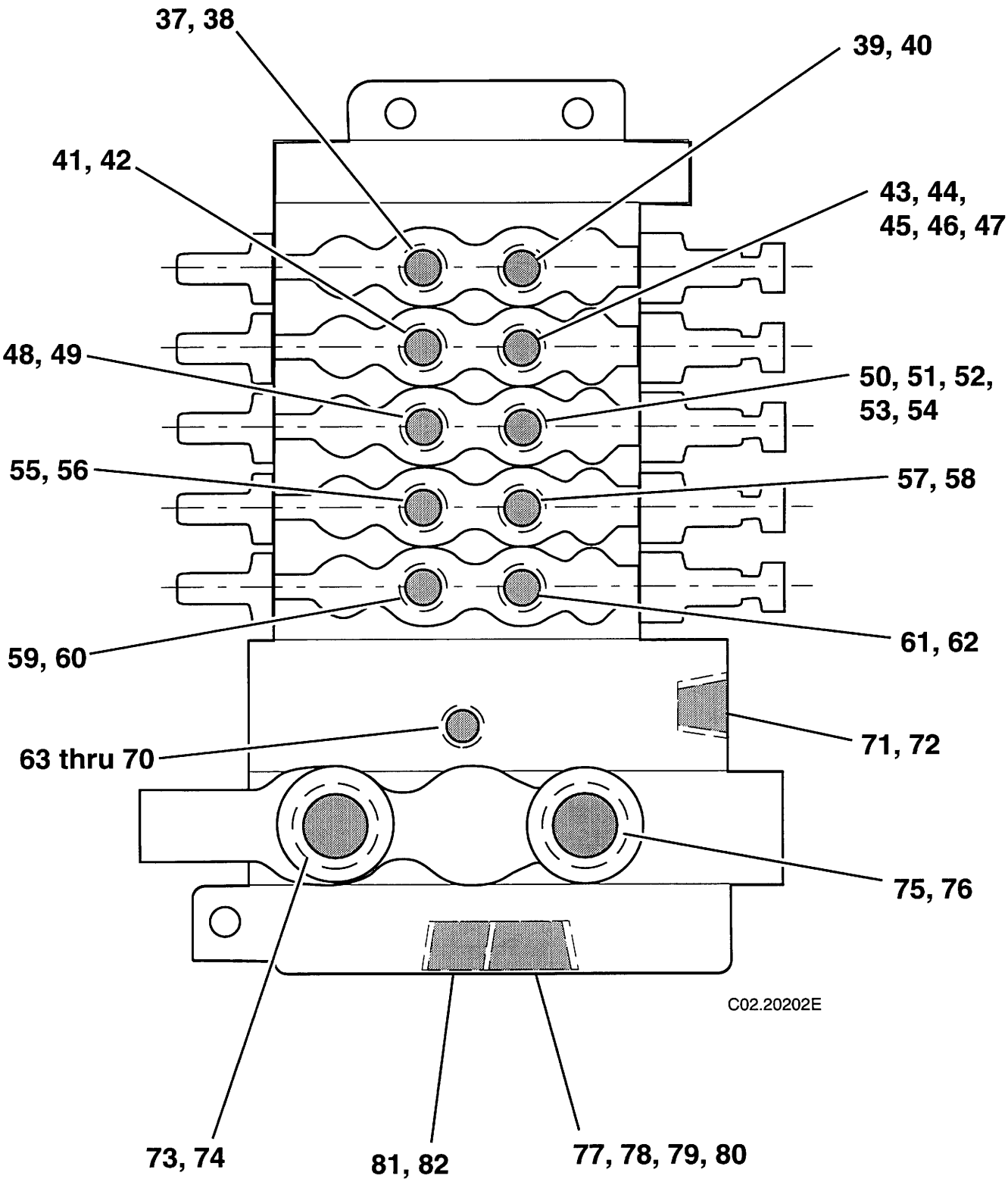


TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 2 OF 3)		
SIMON AERIALS INC.	REV. 04 MAR., 1997	PART NO.	PLATE NO. C02.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Steer Control Valve Segment:	
			Left port:	
59	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
60	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
			Right port:	
61	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	1
62	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S) (current)	1
	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S) (earlier)	1
			Manifold Adapter Segment:	
			Front port:	
63	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
64	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
65	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
66	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1
67	01-020800		VALVE, POPPET CHECK (3 psi)	1
68	353 4140		TUBE ASSEMBLY	1
69	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5O G-S)	1
70	01-021000		GAUGE, HYDRAULIC PRESSURE (1/4" male NPT)	
			(0-400 psi [0-28,000 kPa])	1
			Right side port:	
71	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F5OX-S)	1
72	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	2
			Drive Control Valve Segment (Bottom section):	
			Left port:	
73	06-043300		ADAPTER (LONG), "O"-RING TO 37° (12 FF50X-S)	1
74	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
			Right port:	
75	06-043300		ADAPTER (LONG), "O"-RING TO 37° (12 FF50X-S)	1
76	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
			Underside, forward port:	
77	06-215200		(16 F 65OX-S) (current)	1
78	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S) (earlier)	1
79	01-015900		VALVE, CHECK (#16 ports, 3 psi) (current)	1
80	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
			Underside, rear port:	
81	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S)	1
82	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1

TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 3 OF 3)			
PLATE NO.	C02.201	**SIMON AERIALS INC.**	REV. 04 MAR., 1997	**PART NO.**



TITLE	GROUND VALVE BANK ASS'Y., RP 46, RP 66 (PLATE 3 OF 3)		
SIMON AERIALS INC.	REV. 04 MAR., 1997	PART NO.	PLATE NO. C02.201

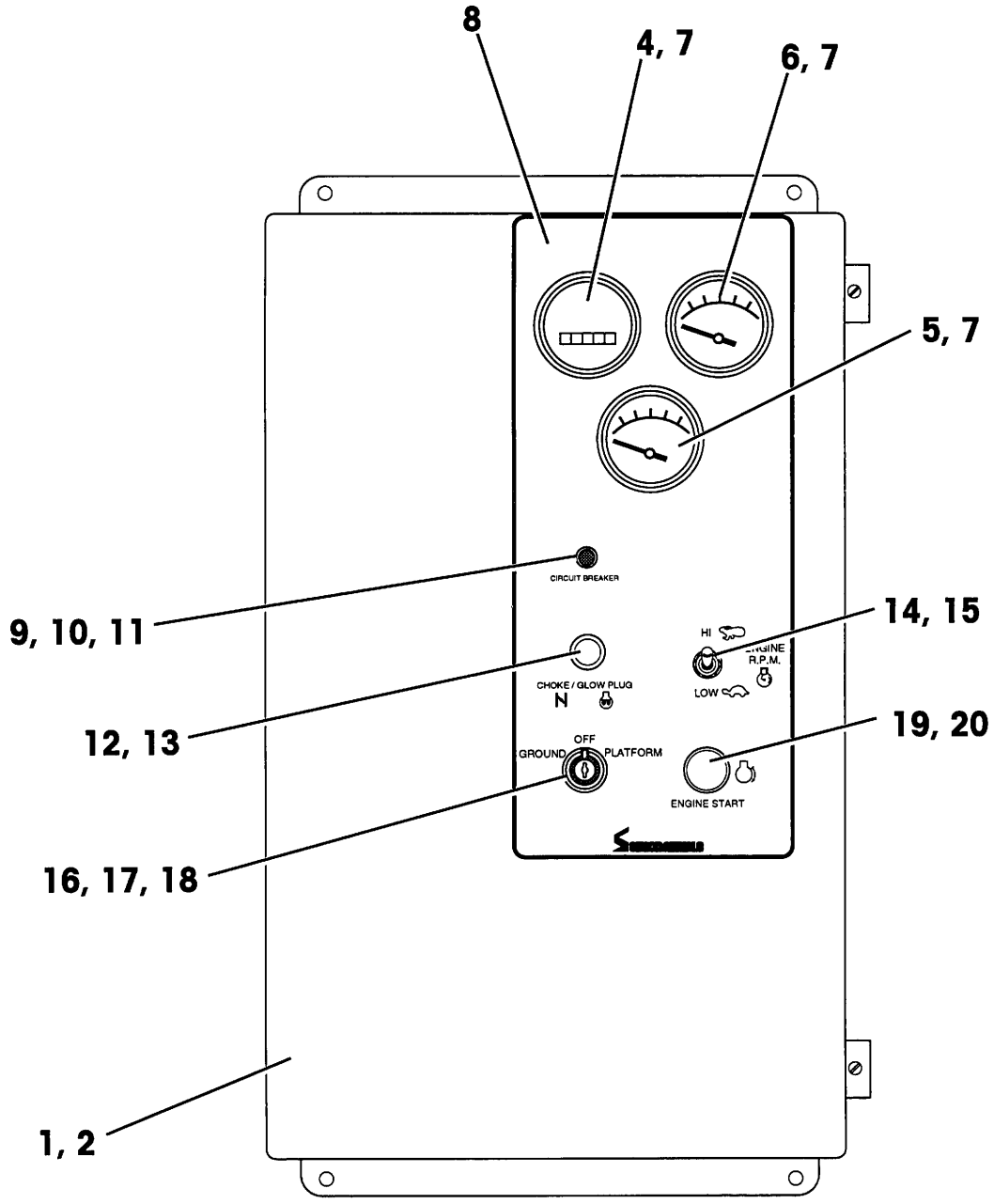
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 0100		GROUND CONTROL BOX ASSEMBLY	1
2	03-732000		BOX, ELECTRICAL (Drilled. Includes cover) (22" x 12" x 6" deep)	1
3	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 ft roll.	
			6 ft [1.83 m] required this application)	A.R.
4	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
5	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
6			GAUGE, ENGINE OIL PRESSURE (12 Volt DC)	1
	03-492400		0 to 100 psi (690 kPa) (comes with Control Box Assembly)	
	03-496400		0 to 40 psi (276 kPa) (needed for some applications)	
7	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	3
8			DECAL, GROUND CONTROL	1
	10-279500		**English** language (comes with Control Box Assembly)	
	10-279502		**French** language	
	10-279503		**German** language	
9	03-024700		BREAKER, CIRCUIT (20 Amp)	1
10	01-037400		"O"-RING (.351" I.D., .072" thick)	1
11	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
12	03-730600		SWITCH, PUSH BUTTON (Green) (Choke/ Glow Plug)	1
13	03-730800		BLOCK, CONTACT (Normally open)	1
14	03-719800		SWITCH, TOGGLE (Two position, maintained contact, single pole, single throw)	1
15	03-506200		SEAL, TOGGLE SWITCH	1
16	03-486500		SWITCH, KEY OPERATED (3 position) (includes 2 keys)	1
17	03-454900		BASE, CONTACT BLOCK	1
18	03-437200		BLOCK, CONTACT	4
19	03-730600		SWITCH, PUSH BUTTON (Green) (Engine Start)	1
20	03-730800		BLOCK, CONTACT (Normally open)	1

TITLE: GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS

SECTION C03. | PLATE NO. 44 | PAGE 01 | REV. - | DATED 13 DEC., 1996 | PART NO. 355 0100

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 # C03.44001E

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

TITLE: GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
355 0100	-	13 DEC., 1996	C03.	44	01

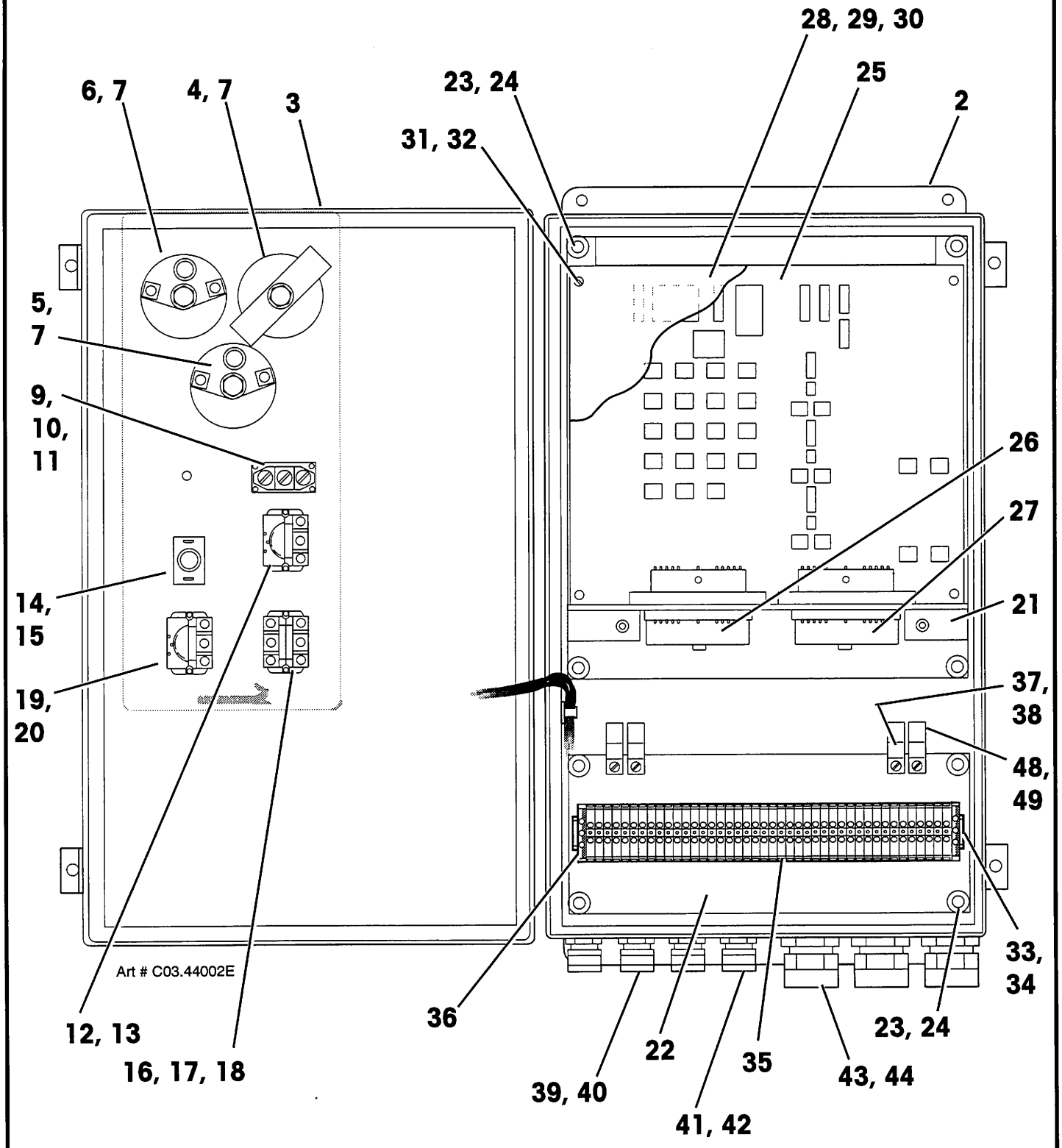
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			GROUND CONTROL BOX ASSEMBLY (continued)	
21	234 7800		SUBPLATE, MOUNTING (upper)	1
22	235 0480		SUBPLATE, MOUNTING (lower)	1
23	07-013414		MACHINE SCREW, ROUND HD (#10-32 x 1/2", Grade 2)	10
24	07-117600		WASHER, EXTERNAL TOOTH (#10)	8
25	03-731000		BOARD, PRINTED CIRCUIT	1
26	03-732200		PLUG, ELECTRICAL (marked "DRC 18-40S **A** ")	1
27	03-732300		PLUG, ELECTRICAL (marked "DRC 18-40S **B** ")	1
28	235 0150		COVER, PRINTED CIRCUIT BOARD	1
29			DECAL, "USER ASSIST DIAGNOSTIC SYSTEM . . ."	
			(mounts to **outside** of circuit board cover)	1
	10-266700		**English** language (comes with Control Box Assembly)	
	10-266702		**French** language	
	10-266703		**German** language	
30	10-269200		DECAL, "WARNING" (Controller board diagram)	
			(mounts to **inside** of circuit board cover)	1
31	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	4
32	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	4
33			RAIL, TERMINAL CARRIER	
	235 1120		1.38" (35 mm) wide, 10.75" (273 m) long	1
	03-051700		Option. 1m (39.4") long piece. Cut to fit.	A.R.
34	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	2
35	03-505600		BLOCK, TERMINAL	39
36	03-039100		BLOCK, TERMINAL (Grounding, for #12 Ga. wire)	2
37	03-469200		SOCKET, RELAY	2
38	03-467500		RELAY (Sealed, 12 Volt DC, normally open, SPDT)	2
39	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	3
40	03-055700		NUT, CONDUIT LOCK (3/8")	3
41	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	4
42	03-055500		NUT, CONDUIT (1/2")	4
43	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	1
44	03-055600		NUT, CONDUIT LOCK (3/4")	1
45	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	A.R.
46	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
47	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
			The following items **are not** included with the Ground Control Box:	
48	03-467500		RELAY (Sealed, 12 Volt DC, normally open, SPDT)	
			(for optional lights)	1
49	03-469200		SOCKET, RELAY (for optional lights)	1

TITLE: GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS

SECTION C03. | PLATE NO. 44 | PAGE 02 | REV. - | DATED 13 DEC., 1996 | PART NO. 355 0100

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

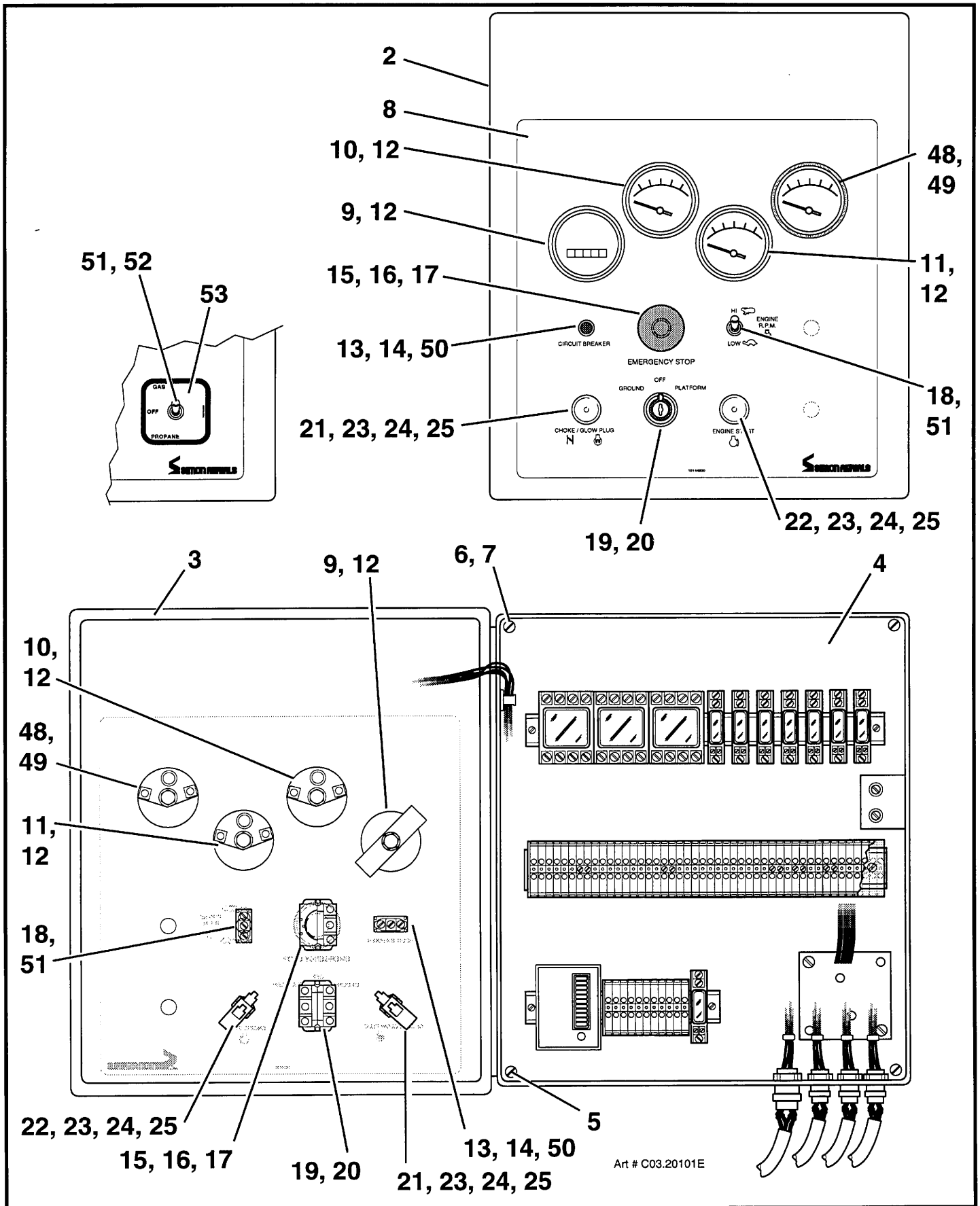


Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE: GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS					
	PART NO. 355 0100	REV. -	DATED 13 DEC., 1996	SECTION C03.	PLATE NO. 44	PAGE 02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			GROUND CONTROL BOX ASSEMBLY	1
	353 5620		**MP 40 thru MP 80**, with Electro-Proportional control system	
	353 5621		Model **RP 46**	
	353 5620		Model **RP 66**	
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			GAUGE, ENGINE OIL PRESSURE (12 Volt DC)	1
	03-492400		0 to 100 psi (690 kPa) (comes with Control Box Ass'y.)	
	03-496400		0 to 40 psi (276 kPa) (needed for some applications)	
12	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	3
13	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
14	01-037400		"O"-RING (.351" I.D., .072" thick)	1
15			BUTTON, EMERGENCY STOP	1
	03-496000		Silver and red, pull to reset (earlier version)	
	03-702000		Red, pull to reset (current version)	
16	03-454900		BASE, CONTACT BLOCK (for button 03-702000)	1
17			BLOCK, CONTACT (Normally closed)	1
	03-496300		for earlier button 03-496000	
	03-437300		for current button 03-702000	
18	03-020400		SWITCH, TOGGLE (Engine speed) (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)



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

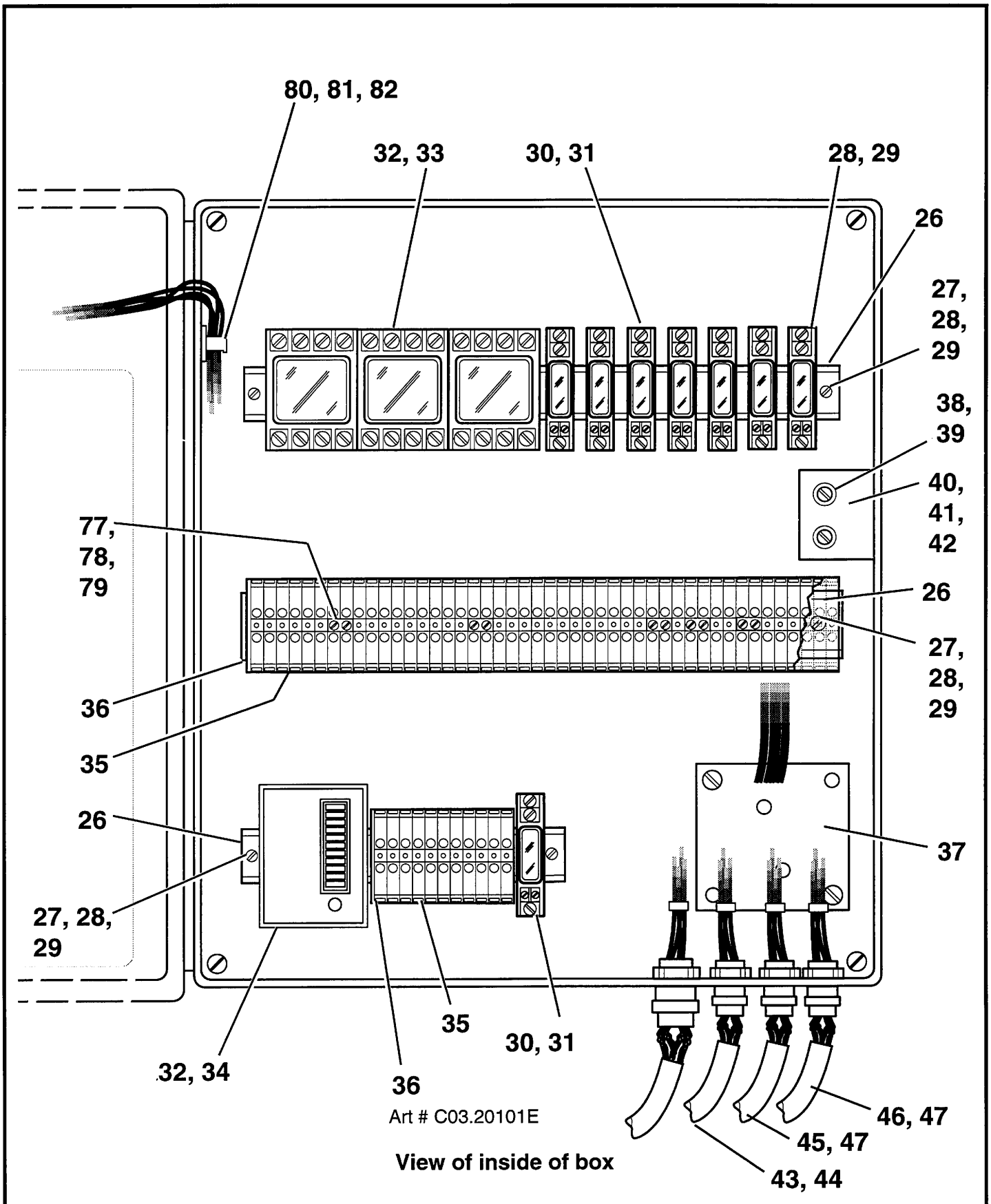
SIMON AERIALS INC.	REV. 09 FEB., 1996	PART NO.	PLATE NO. C03.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			GROUND CONTROL BOX ASSEMBLY (continued)	
21	03-402500		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.			PART NO.
C03.201	**SIMON AERIALS INC.**	REV. 09 FEB., 1996	



Art # C03.20101E

View of inside of box

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

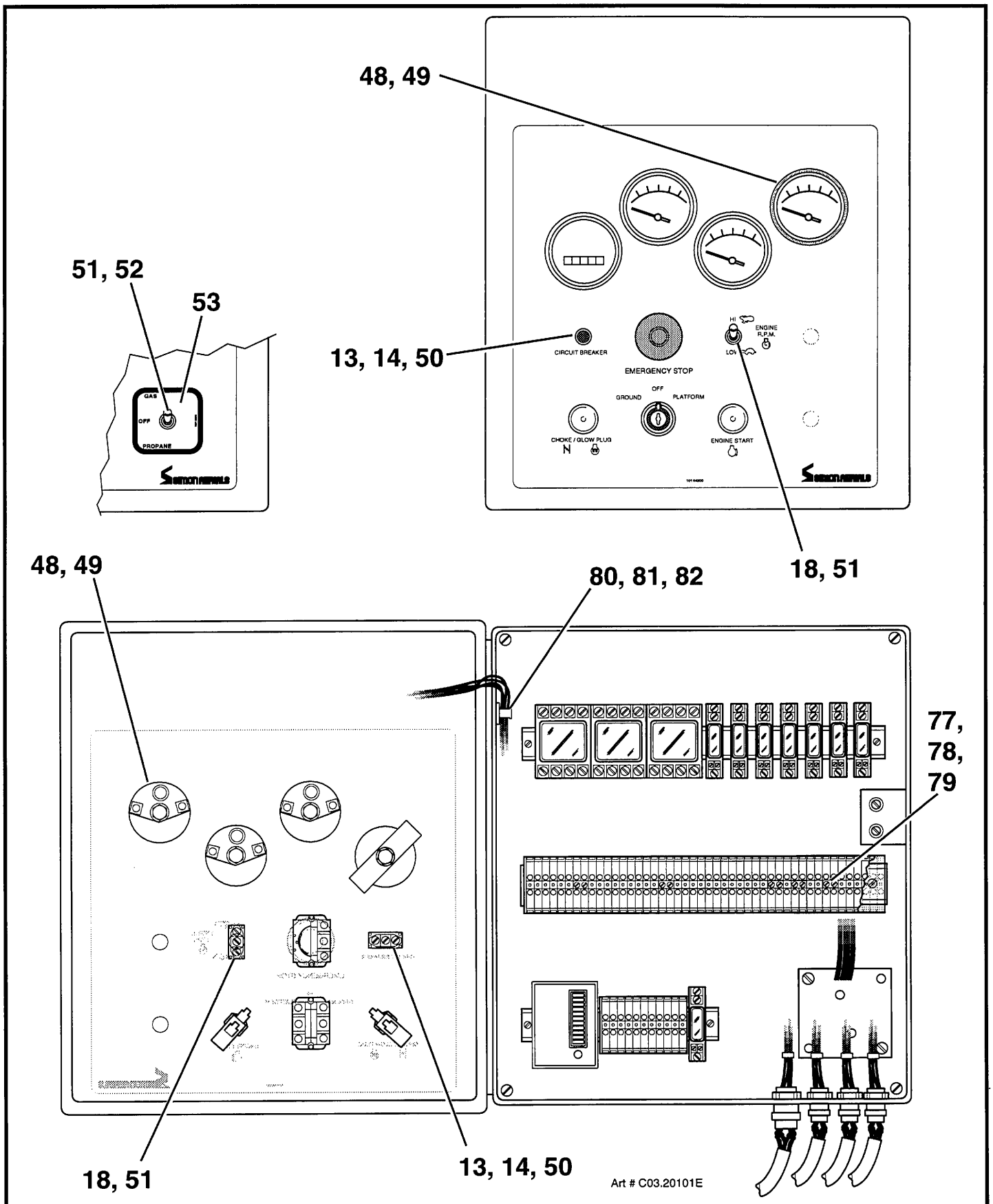
SIMON AERIALS INC.	REV. 09 FEB., 1996	PART NO.	PLATE NO. C03.201

PARTS LIST

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

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

PLATE NO.	C03.201	SIMON AERIALS INC.	REV. 09 FEB., 1996	PART NO.



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

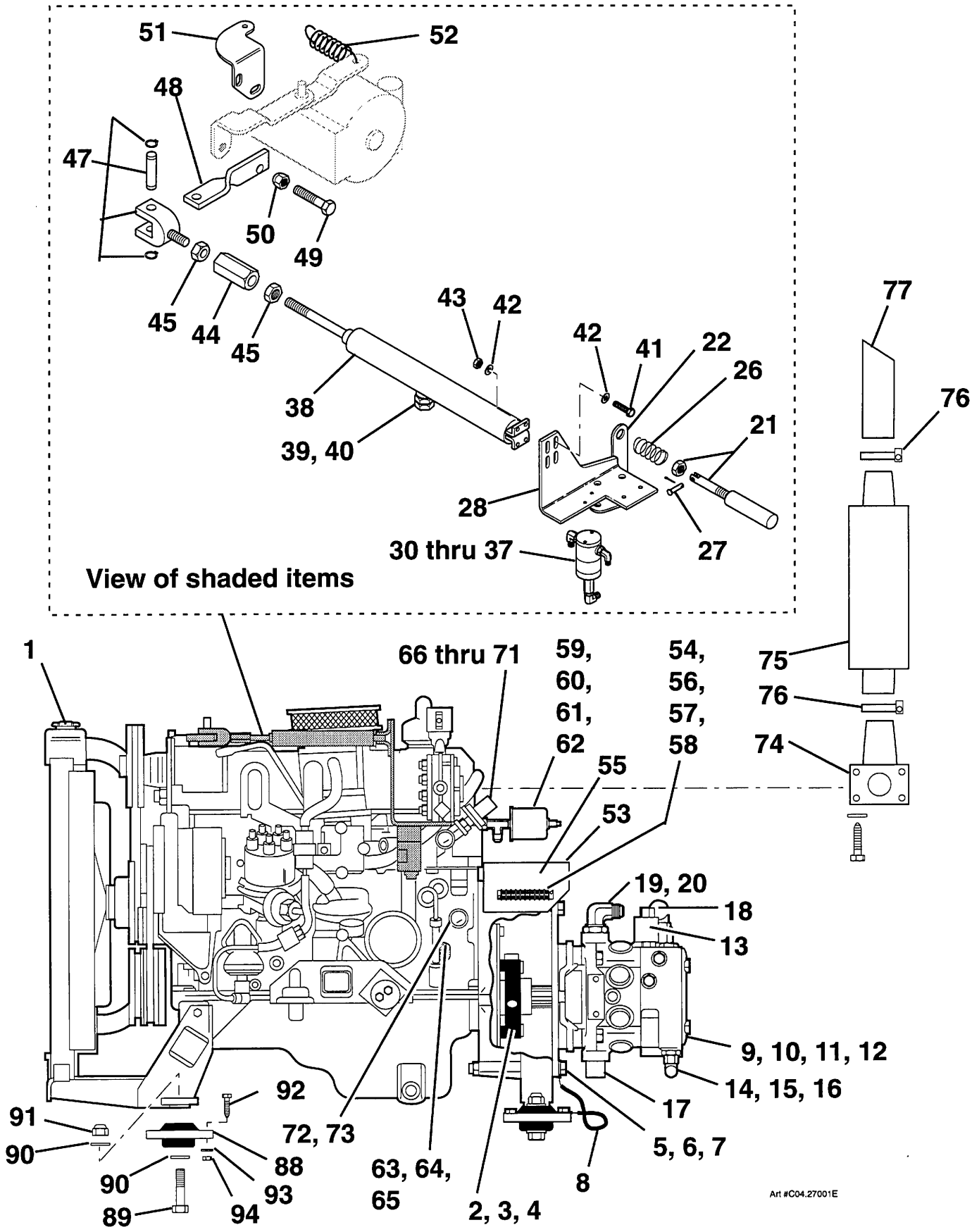
SIMON AERIALS INC. REV. 09 FEB., 1996	PART NO.	PLATE NO. C03.201

PARTS LIST

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

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

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



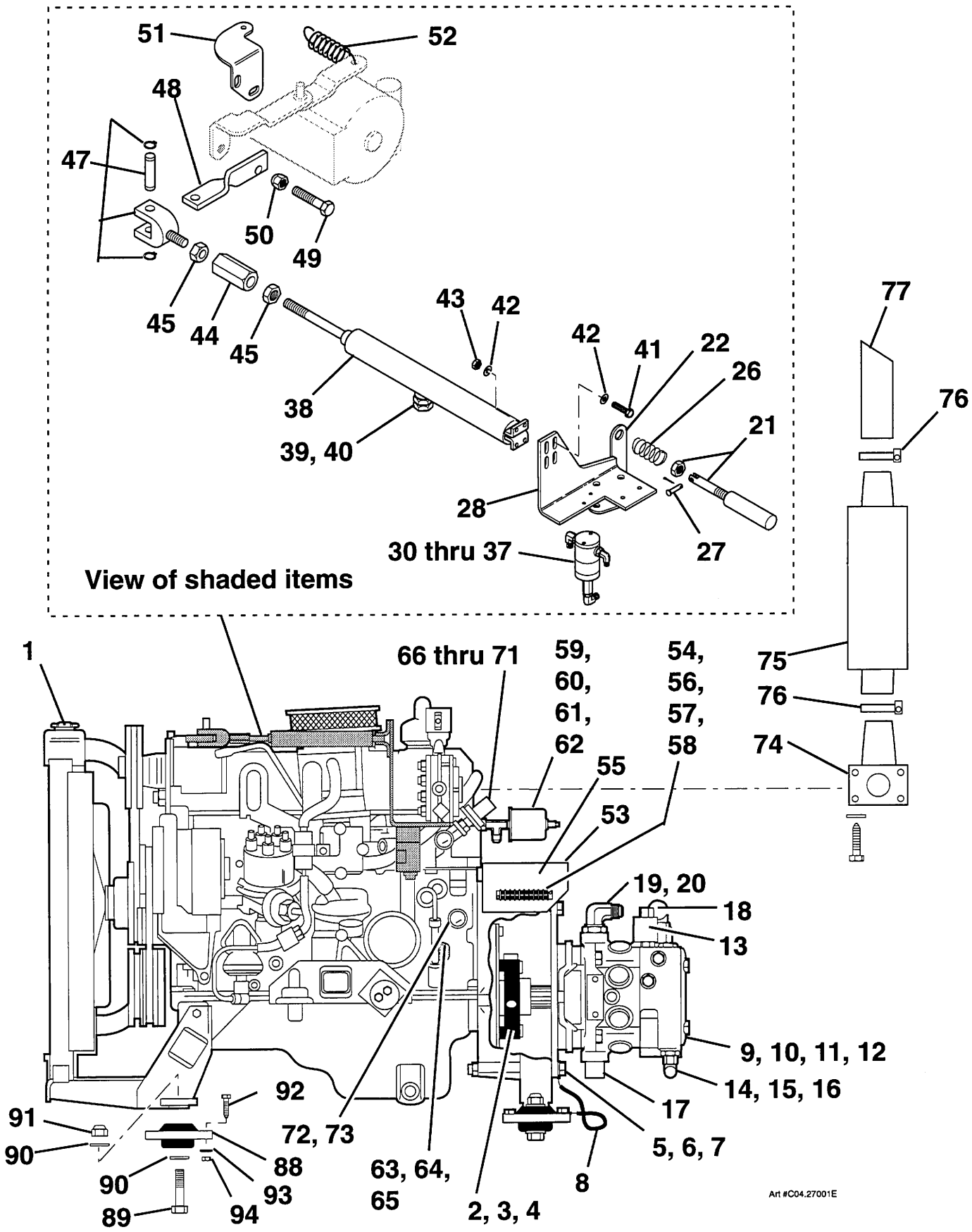
TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 1 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

PARTS LIST

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

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

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

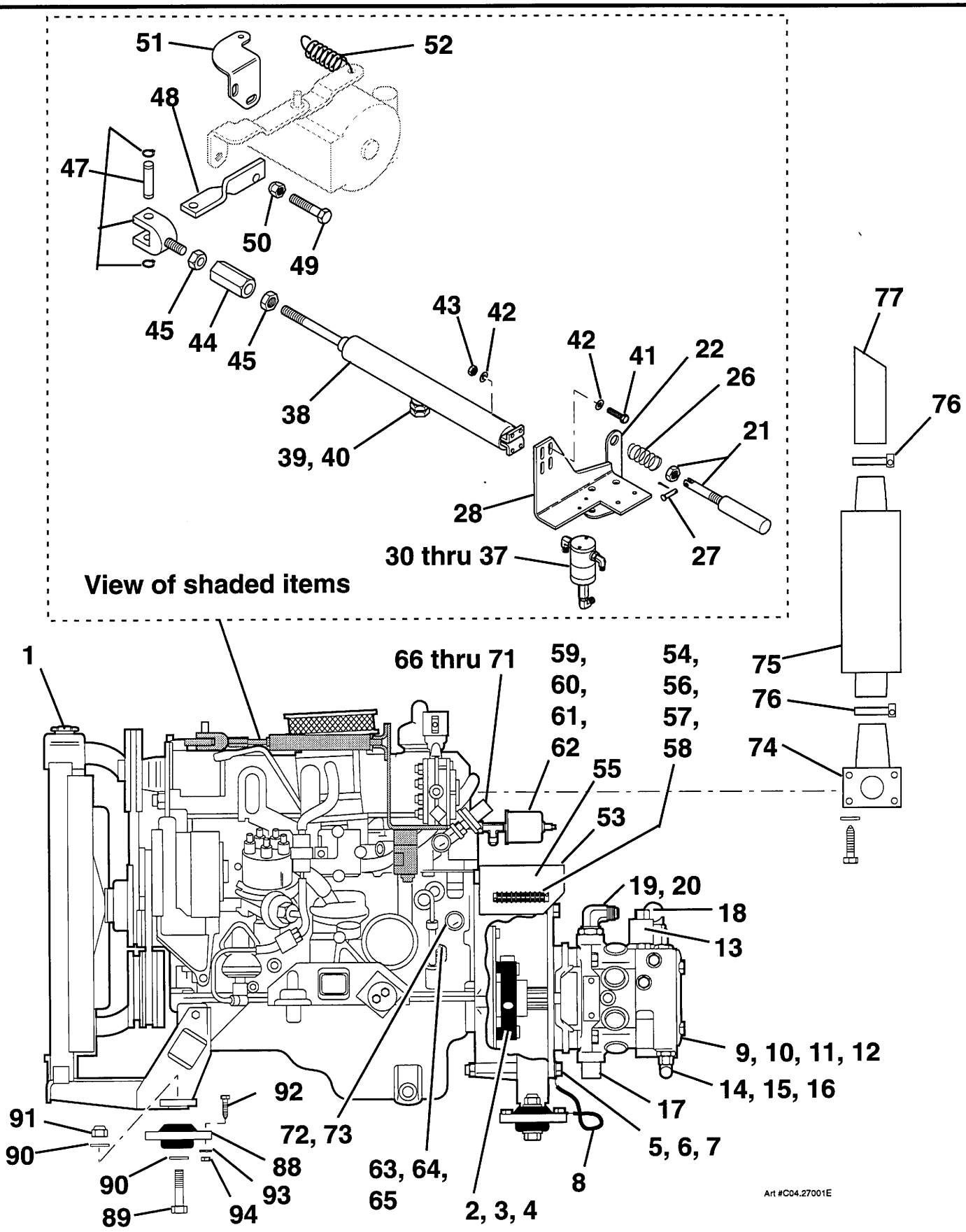


TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

ITEM	PART NO	SEE SECTION	
68	06-070600		RE
69	06-074700		TE
70	07-040111		NU
71	07-065011		WA
72			SW
73	07-092200		NU
74	2328140		EL
	2301640		EL
75			MU
	09-055100		M
	09-054900		M
	09-022000		M
76	09-015400		CL
77	2328150		PIP
78	03-088300		WI
			(2
79	03-088400		WI
			(1
80	03-466300		WI
			(2
81	07-039004		NU
82	07-066004		WA
			The
83	09-028800		V
84	09-023705		C
85	09-017100		V
			For
86	10-034200		G
87	03-030400		A
			The
88	09-006500		MO
89	07-004095		CA
90	07-061018		WA
91	07-058400		NU
92	07-003047		CA
93	07-062016		WA
94	07-050016		NU
89	09-015000		CL
90	09-004600		CL

TITLE ENGINE ASS

PLATE NO. C04.27 **SIMON A**



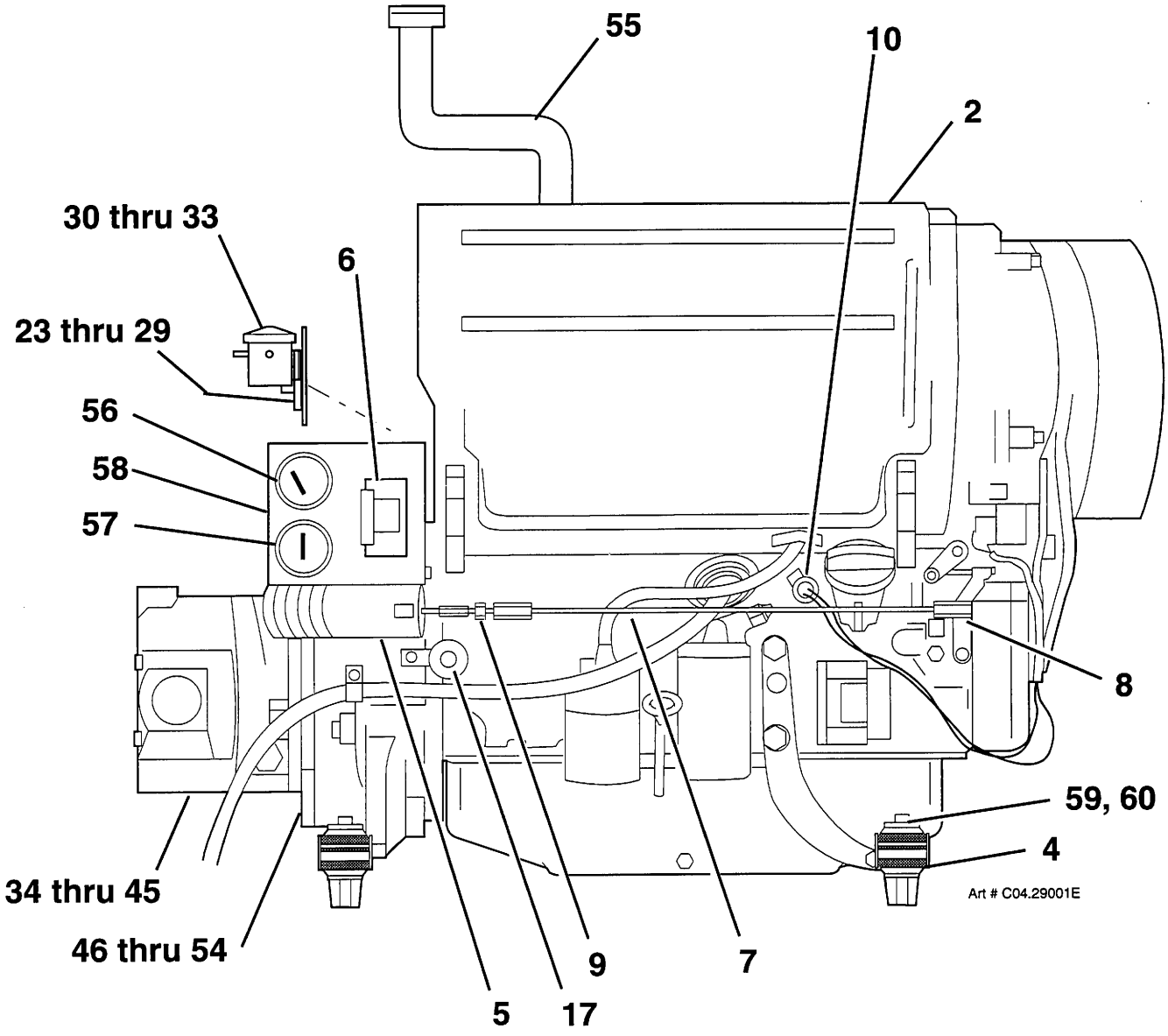
TITLE	ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)		
SIMON AERIALS INC.	NEW 04 AUG., 1994	PART NO.	PLATE NO. C04.27

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE ASSEMBLY (Deutz Model F4L1011)	
	3532270		with HPR 50 Pump (**not for use** with water glycol fluid)	1
	3525660		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.			PART NO.
C04.29	**SIMON AERIALS INC.**	REV. 27 JAN., 1994	

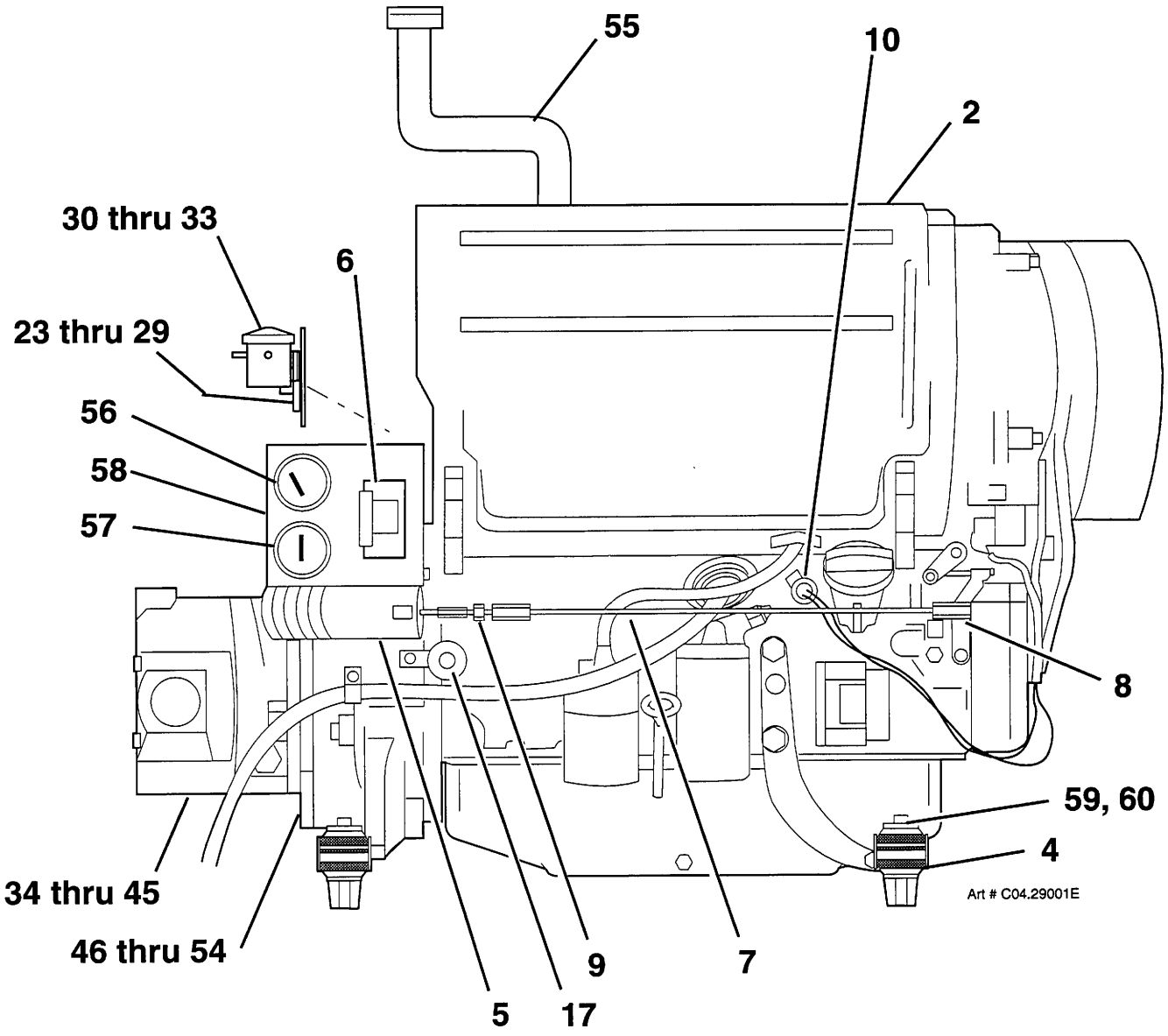


TITLE	ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 27 JAN., 1994	PART NO.	PLATE NO. C04.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	See Index . .	D08.--	PUMP, HYDRAULIC	1
35	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
36	07-060021		WASHER, FLAT (5/8")	4
37	07-065021		WASHER, HELICAL LOCK (5/8")	4
38			90° FITTING, FLANGED	
	06-195700		For HPR 50 pump (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			ADAPTER, PUMP	
	02-011500		Use with HPR 50 Pump [1/2" (13 mm) thick].	
			SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to "C" (2 hole, 5" pilot) pump mount	1
	2165070		Use with PAVC 65 Pump [1.68" (43 mm) thick spacer].	
			SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to "C" (2 hole, 5" pilot) pump mount	1
47			CAP SCREW, HEX HEAD	
	07-005184		M10 x 25 mm, Grade 8.8 (with HPR 50 Pump)	8
	07-005191		M10 x 60 mm, Grade 8.8 (with PAVC 65 Pump)	8
48	07-066006		WASHER, LOCK (10 mm)	8
49	03-074000		CABLE, GROUND (Black, 9-3/4" (25 cm) long]	1

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

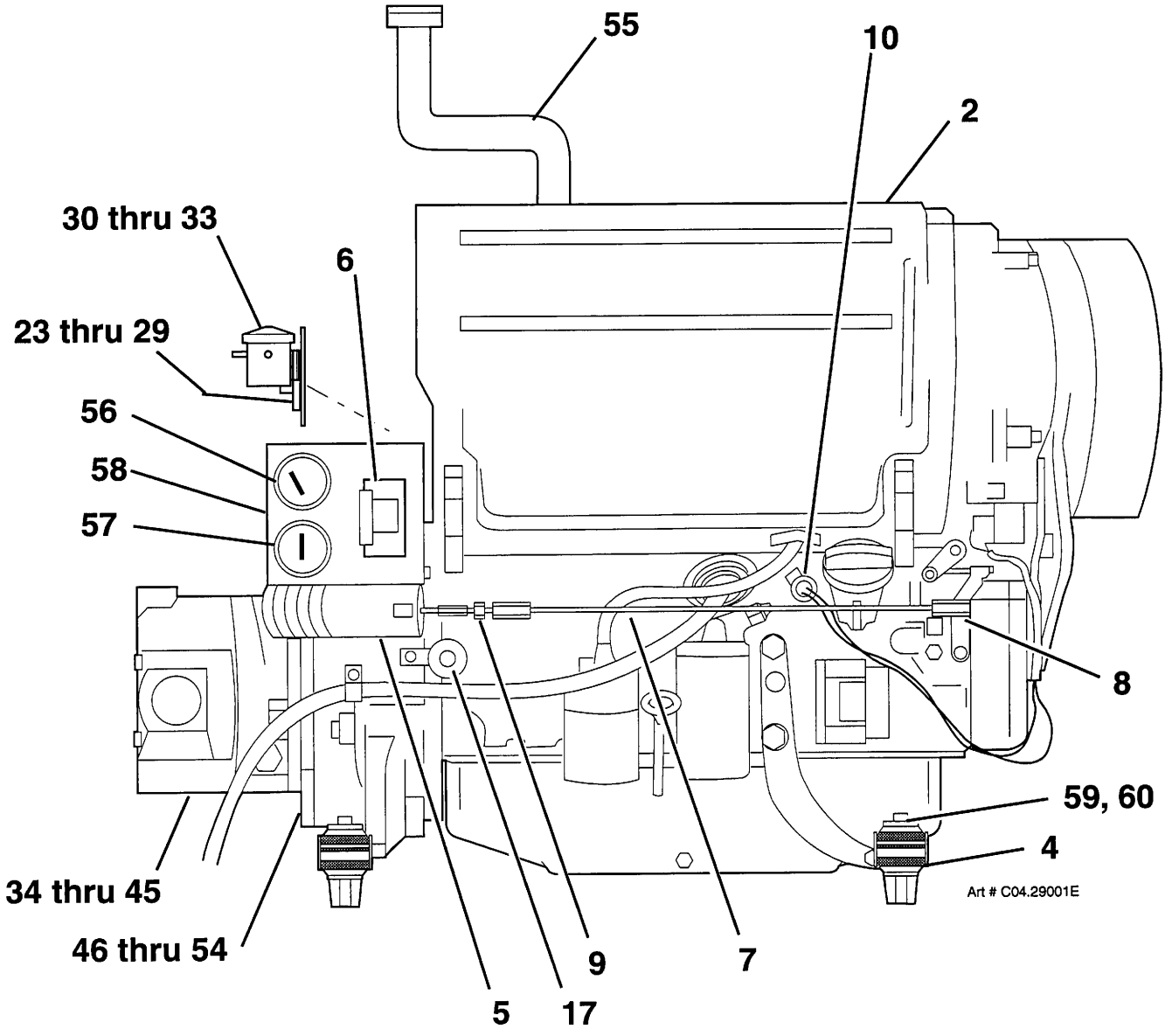


TITLE	ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 2 OF 3)		
SIMON AERIALS INC.	REV. 27 JAN., 1994	PART NO.	PLATE NO. C04.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50			COUPLING ASSEMBLY, PUMP	
	02-043700		• 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			CAP SCREW, HEX HEAD	
	07-005149		M8 x 25 mm, Grade 8.8 (for HPR 50 Pump)	6
	07-005147		M8 x 16 mm, Grade 8.8 (for PAVC 65 Pump)	6
54	07-066005		WASHER, LOCK (8 mm)	6
55	09-056900		PIPE, EXHAUST	1
			The following items are used when gauges are not mounted on the ground control electrical box:	
56	03-030400		AMMETER (50 Amp)	1
57	10-034200		GAUGE, OIL PRESSURE (2-1/2" dial; with mounting bracket)	1
58	2171050		PANEL, GAUGE	1
			The following items **are not** part of the Engine Assembly:	
59	07-004078		CAP SCREW, HEX HEAD (7/16"-14 x 6-1/2", Grade 8)	4
60	07-050017		NUT, HEX LOCK (7/16"-14)	4

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

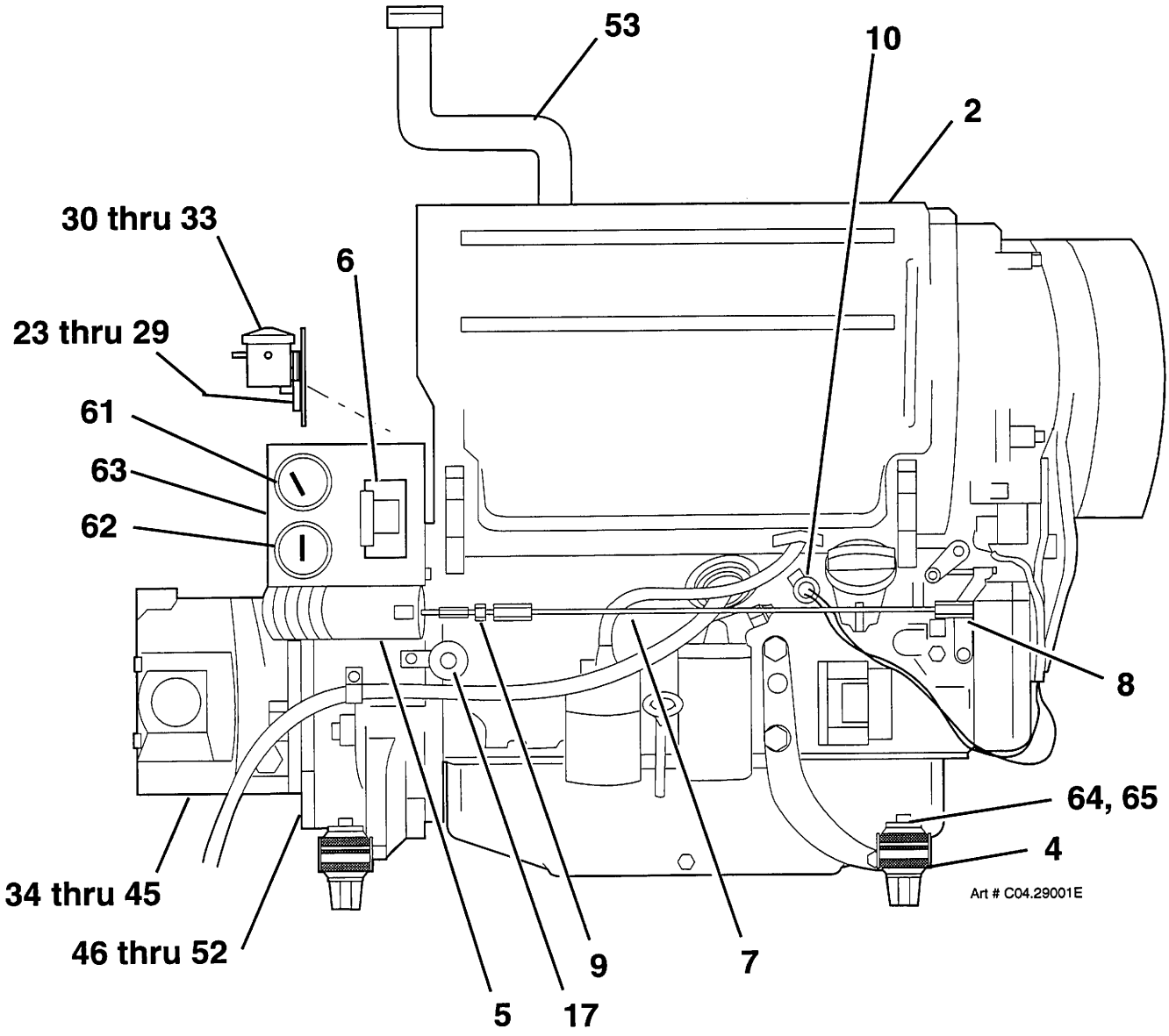


TITLE	ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 3 OF 3)		
SIMON AERIALS INC.	REV. 27 JAN., 1994	PART NO.	PLATE NO. C04.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE ASSEMBLY (Deutz Model F3L 1011)	
	3531260		with HPR 40 Pump	1
	3522690		with HPR 50 Pump	1
2	09-044800		ENGINE, DIESEL (Deutz Model F3L 1011) [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) (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) (used with HPR 40 pump only)	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") (for fuel line)	
			with HPR 40 Pump	2
			with HPR 50 Pump	4
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. 16" (40.6 cm) needed this application]	A.R.
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)

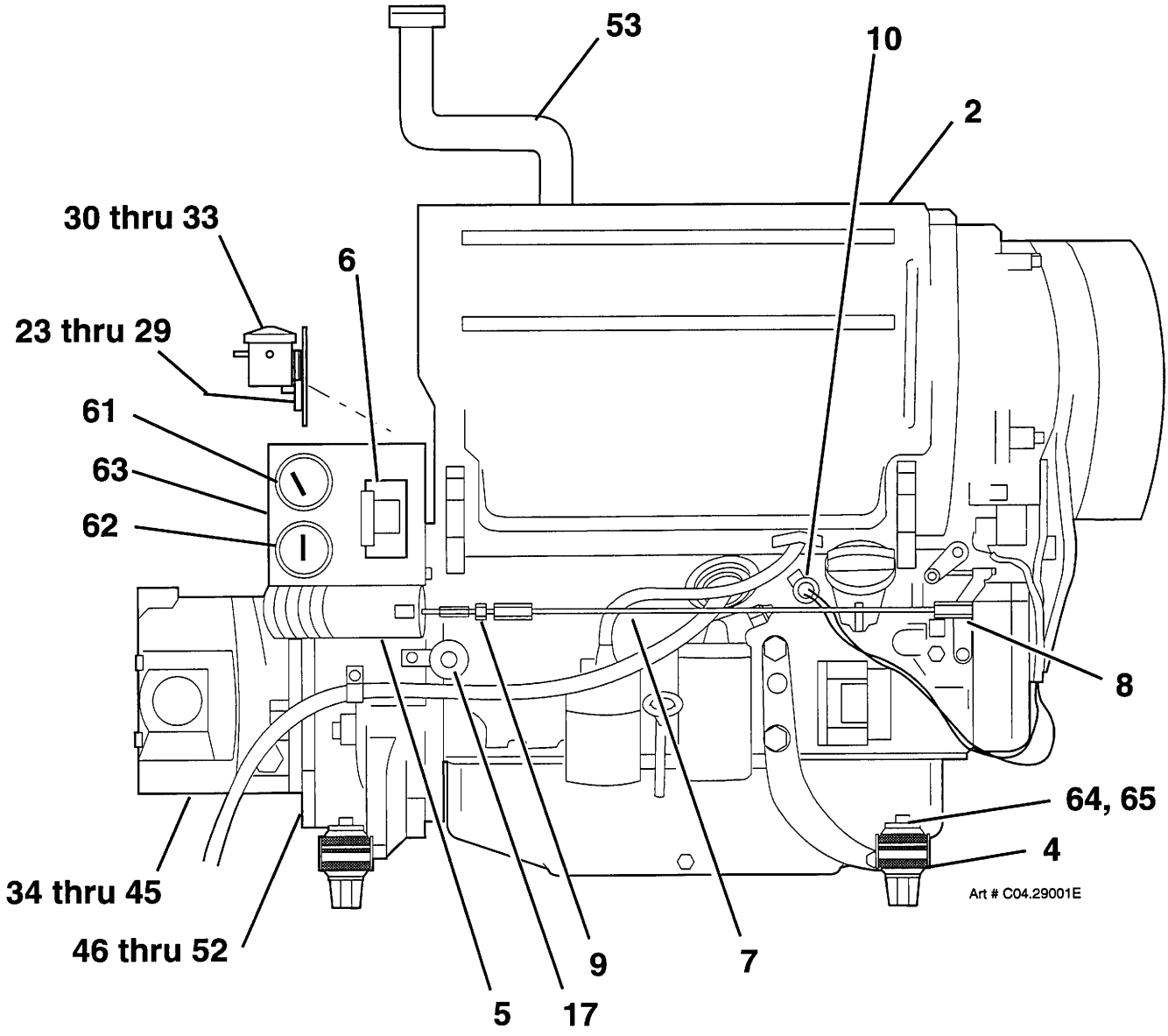


TITLE	ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 1 OF 3)		
SIMON AERIALS INC.	NEW 27 JAN., 1994	PART NO.	PLATE NO. C04.34

PARTS LIST

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

TITLE	ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 2 OF 3)		
PLATE NO. C04.34	**SIMON AERIALS INC.**	NEW 27 JAN., 1994	PART NO.

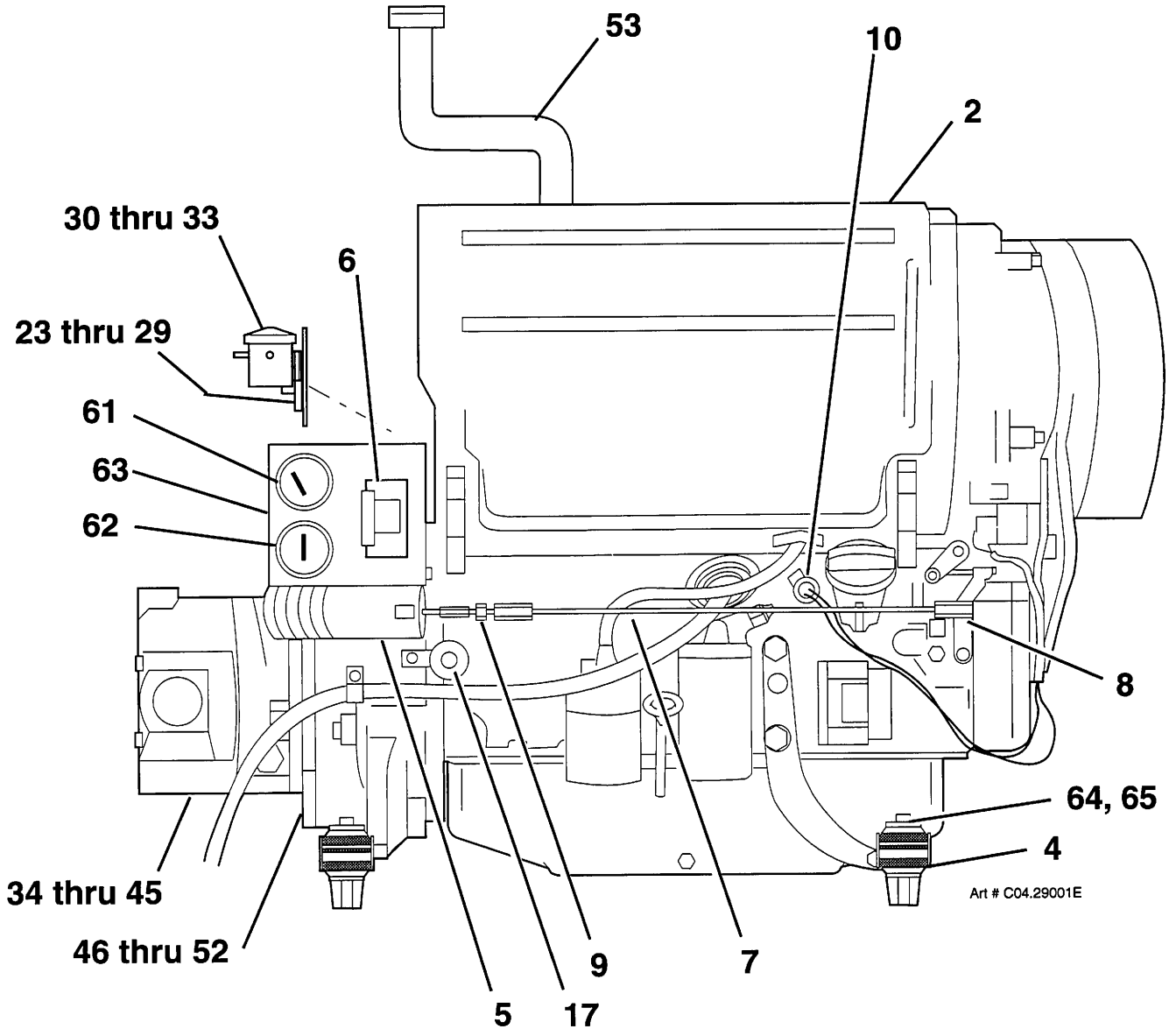


TITLE	ENGINE ASSEMBLY, DEUTZ F3L 1011 DIESEL (PLATE 2 OF 3)		
SIMON AERIALS INC.	NEW 27 JAN., 1994	PART NO.	PLATE NO. C04.34

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.	PLATE NO. C04.34

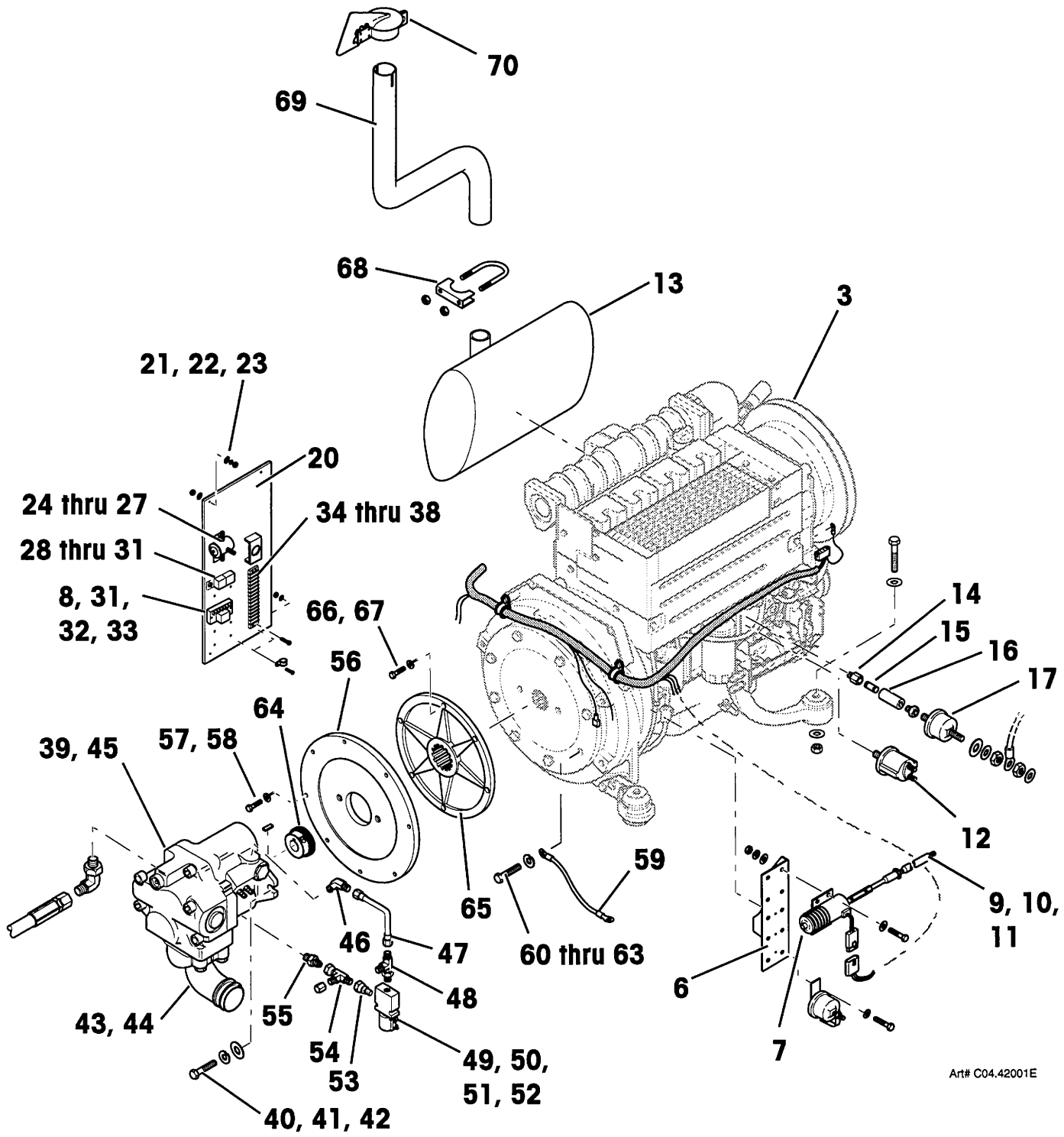
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 0320		ENGINE GROUP (Deutz F4L 1011; RP 66)	1
2	355 0530		ENGINE ASSEMBLY (Deutz F4L 1011; MP 60, RP 66)	1
3	09-046300		ENGINE, DIESEL (Deutz Model F4L1011)	1
4	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
5	- - -		MOUNT, ENGINE (comes with engine)	4
6	- - -		BRACKET, THROTTLE SOLENOID (comes with engine)	1
7	03-469400		SOLENOID, THROTTLE (does not include module)	1
8	03-456803		MODULE, THROTTLE SOLENOID	1
9	03-469402		ROD, LINKAGE	1
10	03-469401		BALL JOINT (Straight)	1
11	03-469405		BALL JOINT (90°)	1
12	- - -		SWITCH, OIL PRESSURE (comes with engine)	1
13	- - -		MUFFLER (comes with engine)	1
14	06-211300		ADAPTER, BSP TO NPT (1/8 x 1/8 F3HG-S)	1
15	11-020013		CLOSE NIPPLE (1/8" NPT, 3/4" long)	1
16	11-040023		COUPLING, LONG (1/8" NPT)	1
17	09-052200		SENDING UNIT, OIL PRESSURE GAUGE (0-100 psi [690 kPa])	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	235 2040		PANEL, ENGINE ACCESSORY	1
21	07-050015		NUT, HEX (5/16"-18)	8
22	07-065015		WASHER, HELICAL LOCK (5/16")	4
23	07-060015		WASHER, FLAT (5/16", SAE)	4
24	03-051300		RELAY (12 Volt DC, single pole, single throw)	1
25	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
26	07-060014		WASHER, FLAT (1/4", SAE)	2
27	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
28	03-467500		RELAY, CHOKE (sealed, 12 Volt DC, normally open, SPST)	1
29	03-469200		SOCKET, CHOKE RELAY	1
30	07-008351		CAP SCREW, SOCKET HEAD (#10-24 x 5/8")	1
31	07-050011		NUT, STOP (#10-24)	3
32	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4")	2
33	07-062009		WASHER, FLAT (#8)	4
34	03-468700		BLOCK, TERMINAL (14 station)	1
35	07-011334		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
36	07-050007		NUT, STOP (#6-32, Grade 5)	2
37	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp, MR 75)	1
38	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed. 5 ft [1.5 m]	
			required in this application)	A.R.

TITLE: ENGINE GROUP, DEUTZ F4L 1011

SECTION C04. | PLATE NO. 42 | PAGE 01 | REV. - | DATED 04 MAR., 1997 | PART NO. 355 0320

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



Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE ENGINE GROUP, DEUTZ F4L 1011					
	PART NO. 355 0320	REV. -	DATED 04 MAR., 1997	SECTION C04.	PLATE NO. 42	PAGE 01

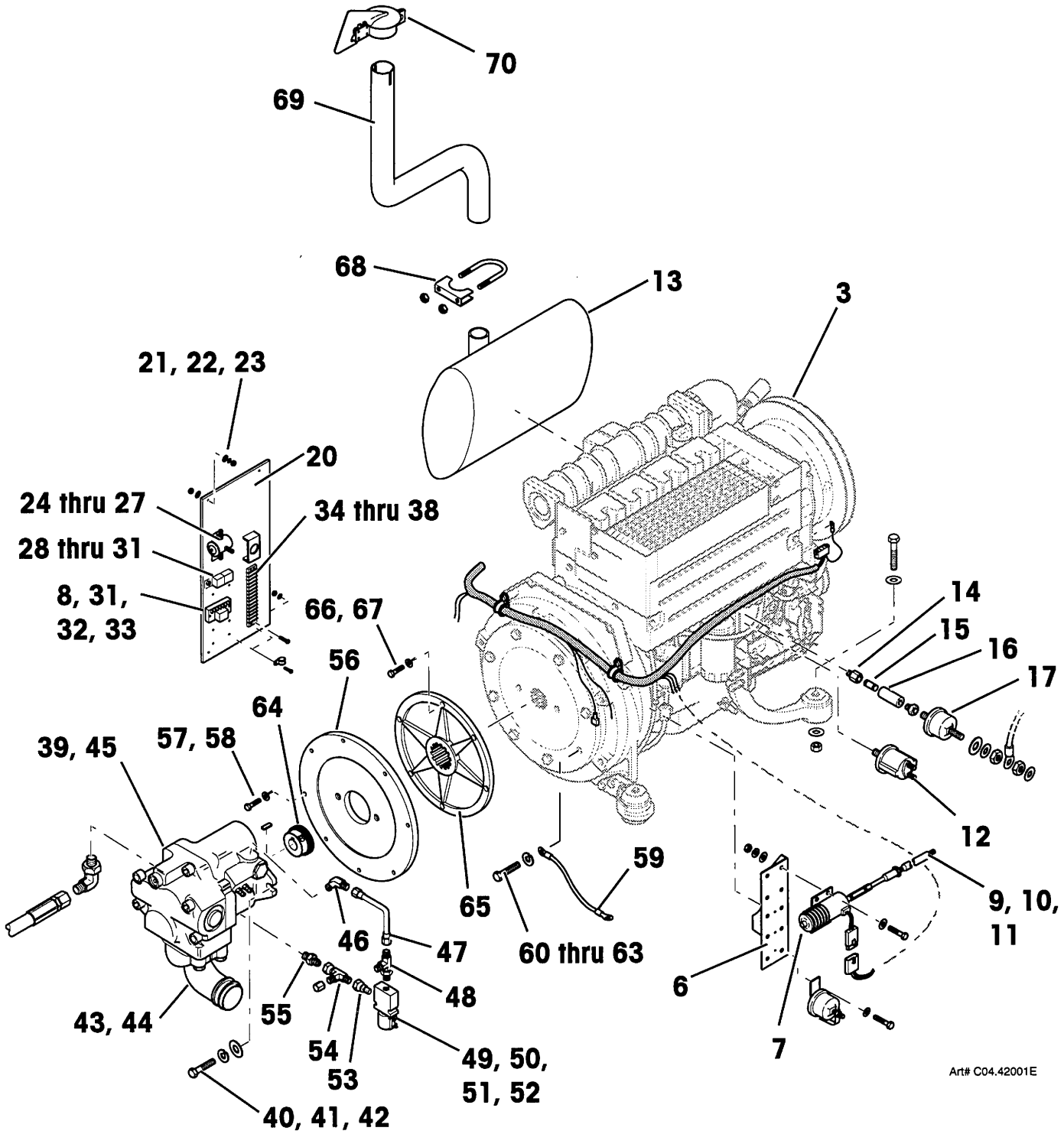
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE GROUP (continued)	
			ENGINE ASSEMBLY (continued)	
39	01-236900	D08.15	PUMP ASSEMBLY, HYDRAULIC (50 c.c./ rev. output)	
			(marked "PAVC 65 X **3224**")	1
40	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
41	07-060021		WASHER, FLAT (5/8")	4
42	07-065021		WASHER, HELICAL LOCK (5/8")	4
43	06-216700		FLANGE, SUCTION FITTING (1-1/2")	
			(includes two flange halves and mounting hardware)	1
44	06-216600		90° FITTING (1-1/2" stem to 1-1/2" hose)	1
45	06-045800		90° ELBOW, "O"-RING TO 37° (16 C5OX-S)	1
46	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
47	353 6550		TUBE, HYDRAULIC	1
48	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
49	01-013900		VALVE BLOCK, CARTRIDGE	1
50	01-013700		VALVE, TWO-WAY (Solenoid operated)	1
51	01-013701		SEAL KIT, VALVE	1
52	01-013702		COIL (12 Volt DC)	1
53	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	1
54	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
55	06-191900		ADAPTER, ""O"-RING TO 37° (6-4 F5OX-S)	1
56	02-011500		ADAPTER, PUMP (1/2" [13 mm] thick)	
			(8 hole, 12-3/8" pilot flywheel housing to	
			"C" [2 hole, 5" pilot] pump mount)	1
57	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	8
58	07-066006		WASHER, LOCK (10 mm)	8
59	03-074000		CABLE, GROUND (Black, 9-3/4" (25 cm) long]	1
60	07-062018		WASHER, FLAT (1/2")	1
61	07-062016		WASHER, FLAT (3/8")	1
62	07-065016		WASHER, HELICAL LOCK (3/8")	1
63	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
64	02-046400		HUB, PUMP COUPLING (1.25", 14 tooth spline).	1
65	02-046800		FLANGE, PUMP COUPLING.	1
66	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6
67	07-066005		WASHER, LOCK (8 mm)	6
68	09-015400		CLAMP, MUFFLER (2")	1
69	09-056900		PIPE, EXHAUST	1
70	10-003800		RAIN CAP (2")	1

TITLE: ENGINE GROUP, DEUTZ F4L 1011

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
C04.	42	02	-	04 MAR., 1997	355 0320

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



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

TITLE

ENGINE GROUP, DEUTZ F4L 1011

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
355 0320	-	04 MAR., 1997	C04.	42	02

PARTS LIST

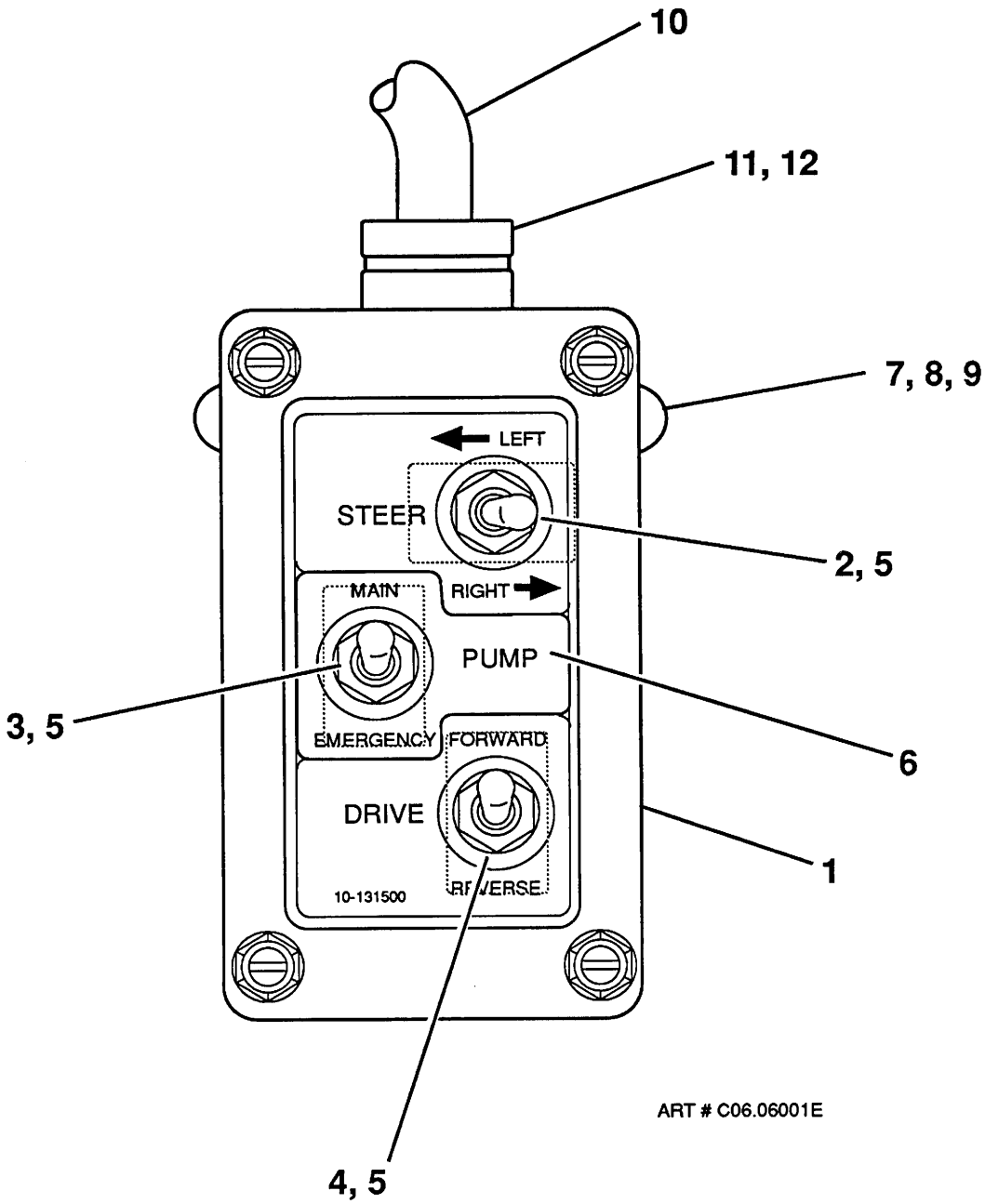
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2193970		BOX, CONTROL (drilled, includes cover)	1
2	03-020500		SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	1
3	03-020600		SWITCH, TOGGLE (Pump) (Three position, momentary contact, double pole, double throw)	1
4	03-020600		SWITCH, TOGGLE (Drive) (Three position, momentary contact, double pole, double throw)	1
5	03-497900		SEAL, PANEL	3
6	10-131500		DECAL, REMOTE CONTROL PENDANT	1
			Earlier style has Black lettering on a White background. Later style has White and Red lettering on Black. Appearance change only, decals are interchangeable.	
7	01-031705		KNOB, CONTROL BOX MOUNTING	2
8	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
9	07-062011		WASHER, FLAT (#10)	10
10	03-446100		CABLE, ELECTRICAL (18 AWG, 10 conductor) [6' (1.83 M) needed for this application]	A.R.
11	03-041700		GRIP, CORD (3/8", sealing)	1
12	03-055500		NUT, CONDUIT LOCK (1/2")	1
13	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	11
14	03-439000		TIE, CABLE [3-5/8" (92 mm) long]	5
15	03-064100		MOUNT, CABLE TIE (adhesive backed)	1

TITLE: PENDANT ASSEMBLY, REMOTE CONTROL

PLATE NO. C06.06

SIMON AERIALS INC. REV. 13 JAN., 1994

PART NO. 3529370



ART # C06.06001E

TITLE	PENDANT ASSEMBLY, REMOTE CONTROL	
SIMON AERIALS INC. REV. 13 JAN., 1994	PART NO. 3529370	PLATE NO. C06.06

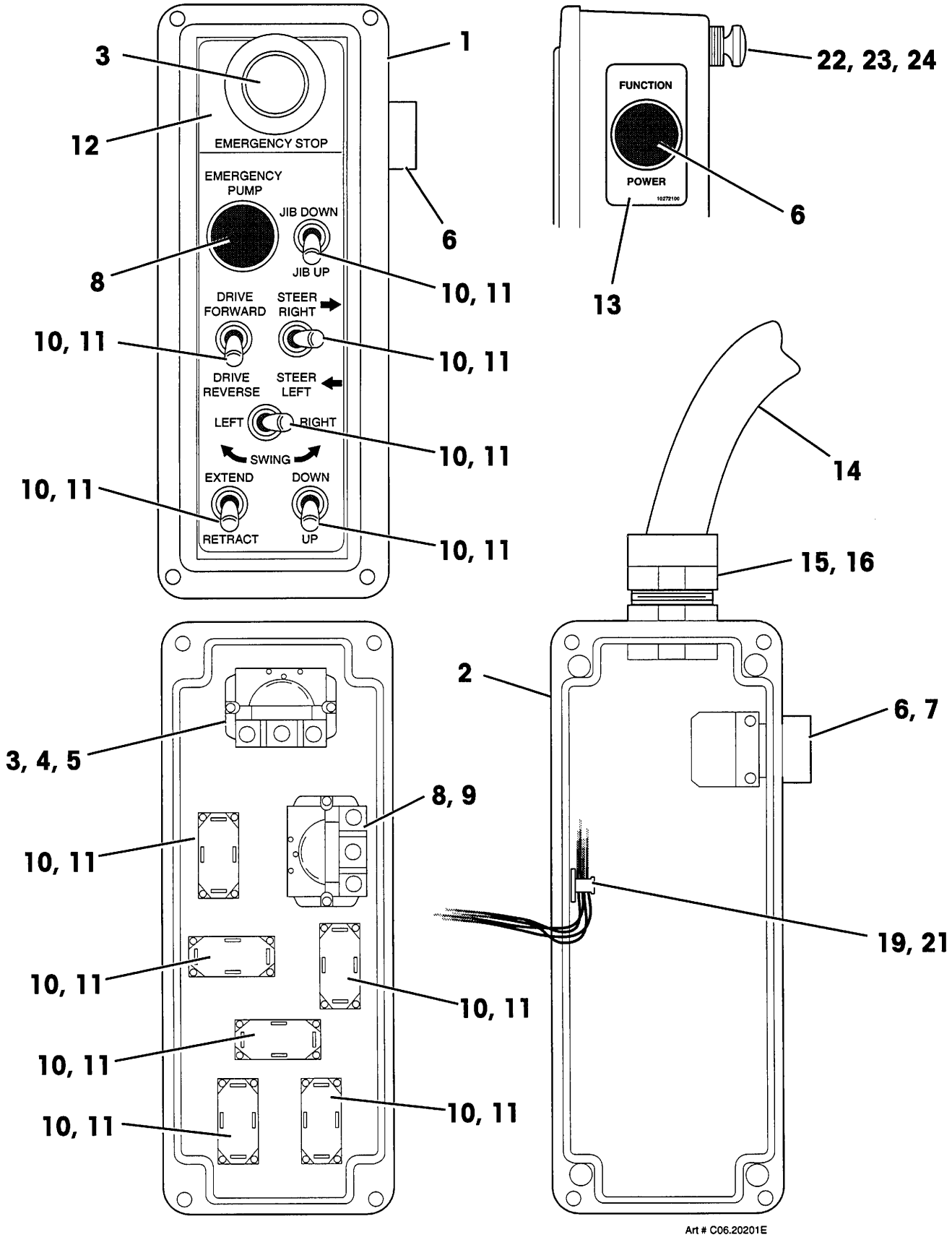
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 2830		REMOTE PENDANT ASSEMBLY	1
2			BOX, ELECTRICAL (includes cover)	1
	03-063000		Undrilled	
	234 9240		Drilled for this application (will have hole for 1/2" cord grip)	
3	03-702000		SWITCH, PUSH BUTTON (Emergency stop)	1
4	03-454900		BASE, CONTACT BLOCK	1
5	03-437300		BLOCK, CONTACT (Normally closed)	1
6	03-730600		SWITCH, PUSH BUTTON (Green) (Function Power)	1
7	03-730800		BLOCK, CONTACT (Normally open)	1
8	03-730700		SWITCH, PUSH BUTTON (Yellow) (Emergency pump)	1
9	03-730800		BLOCK, CONTACT (Normally open)	1
10	03-719900		SWITCH, TOGGLE (Three position, momentary contact, SPDT)	6
11	03-506200		SEAL, TOGGLE SWITCH	6
12			DECAL, REMOTE CONTROL PENDANT (Front)	1
	10-265200		**English** language (included with Pendant Assembly)	
	10-265202		**French** language	
	10-265203		**German** language	
13			DECAL, "FUNCTION POWER" (Side)	1
	10-272100		**English** language (included with Pendant Assembly)	
	10-272102		"FONCTION/ PUISSANCE" (**French** language)	
	10-272103		"FUNKTION KRAFT" (**German** language)	
14			CABLE, ELECTRICAL (Type F 570) (Bulk item. Need 20 ft [6 m])	A.R.
	03-740300		19 conductor, 18 AWG (current versions)	
	03-488900		24 conductor, 16 AWG (some earlier versions)	
15			GRIP, CORD	1
	03-041000		Plastic, 1/2", with .38" to .44" seal (with 19 conductor cable)	
	03-063200		3/4", with .69" to .75" seal (with 24 conductor cable)	
16			NUT, CONDUIT LOCK	1
	03-055500		1/2" (with 19 conductor cable)	
	03-055600		3/4" (with 24 conductor cable)	
17	03-098200		TERMINAL, END FLAG	18
18	03-096000		TERMINAL, SLIP ON (Blue, "piggyback" insulated, #14-16 AWG)	6
19	03-439000		TIE, CABLE (3.6" [92 mm] long)	8
20	03-064000		TIE, CABLE (7.4" [188 mm] long)	8
21	03-064100		MOUNT, CABLE TIE (adhesive backed)	3
			The following items <u>are not</u> included as part of the Remote Pendant Assembly:	
22	01-031705		KNOB, CONTROL BOX MOUNTING	2
23	07-008353		CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)	2
24	07-062011		WASHER, FLAT (#10)	10

TITLE: REMOTE PENDANT ASSEMBLY, WITH JIB BOOM TOGGLE)

SECTION C06. | PLATE NO. 202 | PAGE 01 | REV. B | DATED 04 MAR., 1997 | PART NO. 354 2830

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



Art # C06.20201E

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

TITLE: REMOTE PENDANT ASSEMBLY, WITH JIB BOOM TOGGLE)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
354 2830	B	04 MAR., 1997	C06.	202	01

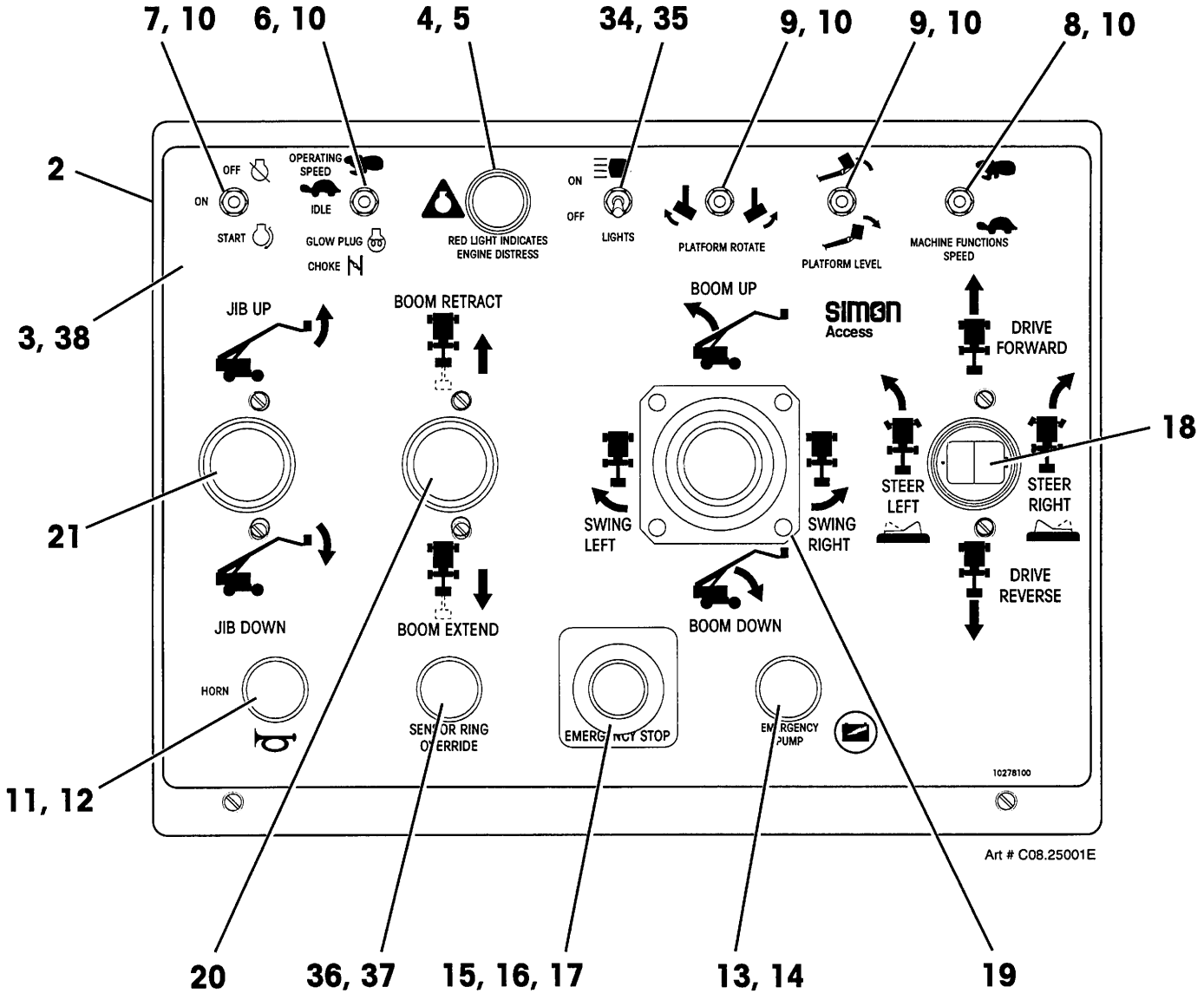
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM CONTROL BOX ASSEMBLY	1
	355 0101		for MP 40, MP 60, MP 80	
	355 0102		for RP 46, RP 66 (also listed as 354 8870)	
2			BOX, ELECTRICAL (16.3" x 12.3" x 7.2" deep. Includes cover)	1
	236 6980		Drilled for this application	
3	10-278100		PLACARD, PLATFORM CONTROL (Lexan, English language)	1
4	03-730400		LENS, PILOT LAMP (Clear) (Engine distress)	1
5	03-730500		DIODE, LIGHT-EMITTING (L.E.D., 12 Volt AC/ DC)	1
6	03-730000		SWITCH, TOGGLE (Oper. Speed, Choke/ Glow Plug) (3 1NT91-5.	
			Three position [1 momentary, 2 maintained] SPDT)	1
7	03-730100		SWITCH, TOGGLE (Off/ On/ Start) (3 2NT91-50.	
			Three position [1 momentary, 2 maintained] DPDT)	1
8	03-719800		SWITCH, TOGGLE (Machine Functions Speed) (3 1NT91-2.	
			Two position, maintained contact, single pole, single throw)	1
9	03-719900		SWITCH, TOGGLE (Platform Level/ Rotate) (3 1NT91-7.	
			Three position [2 momentary, 1 maintained] SPDT)	2
10	03-506200		SEAL, TOGGLE SWITCH	2
11	03-730600		SWITCH, PUSH BUTTON (Green) (Horn)	1
12	03-730800		BLOCK, CONTACT (Normally open)	1
13	03-730700		SWITCH, PUSH BUTTON (Yellow) (Emergency Pump)	1
14	03-730800		BLOCK, CONTACT (Normally open)	1
15	03-702000		SWITCH, PUSH BUTTON (Emergency stop)	
			(Red "pull to release" style)	1
16	03-454900		BASE, CONTACT BLOCK	1
17	03-437300		BLOCK, CONTACT (Normally closed)	1
18	03-718800		CONTROLLER, SINGLE AXIS (with rocker) (Drive/ Steer)	1
19	03-718700		CONTROLLER, DUAL AXIS (Main Boom Up/ Down; Swing)	1
20	03-718900		CONTROLLER, SINGLE AXIS (Main Boom Extend/ Retract)	1
21	03-718900		CONTROLLER, SINGLE AXIS (Jib Boom Up/ Down) (for RP Series)	1

TITLE: PLATFORM CONTROL BOX ASSEMBLY, SIMCON CONTROLS

SECTION C08. | PLATE NO. 25 | PAGE 01 | REV. - | DATED 13 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



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

TITLE					
PLATFORM CONTROL BOX ASSEMBLY, SIMCON CONTROLS					
PART NO.	REV. -	DATED 13 DEC., 1996	SECTION C08.	PLATE NO. 25	PAGE 01

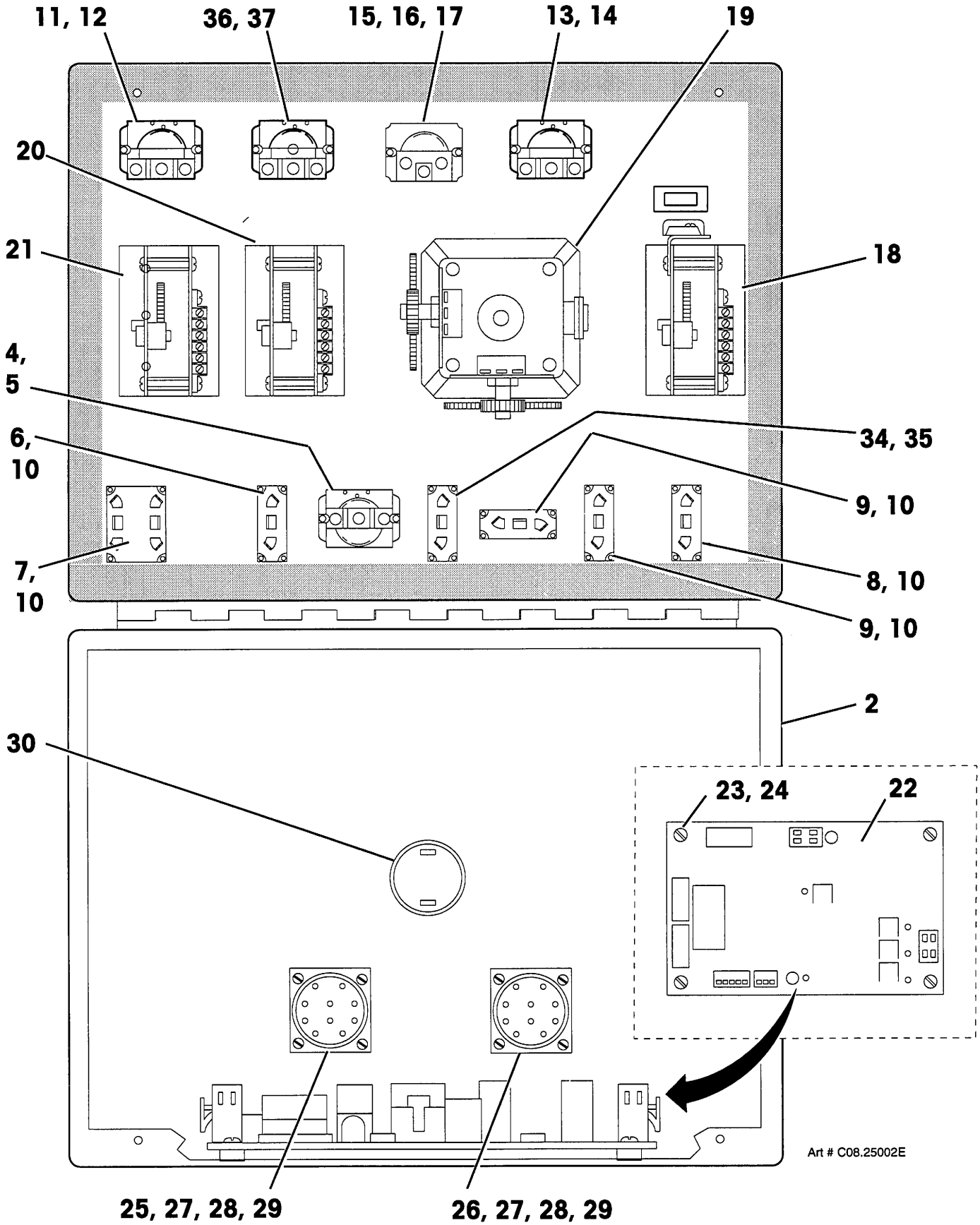
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			PLATFORM CONTROL BOX ASSEMBLY (continued)	
22	03-719700		BOARD, PRINTED CIRCUIT	1
23	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	4
24	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	8
25	03-719400		RECEPTACLE, ELECTRICAL (9 pin) (Marked "HD10-9-**96** P")	1
26	03-719600		RECEPTACLE, ELECTRICAL (9 pin) (Marked "HD10-9-**16** P")	1
27	03-719500		GASKET, NINE PIN CONNECTOR	2
28	07-117700		MACHINE SCREW, PHILLIPS HEAD (#4-40 x 1", stainless steel)	8
29	07-117800		NUT, MACHINE (#4-40, stainless steel)	8
30	03-731100		ALARM, AUDIO (108 db)	1
31	03-439000		TIE, CABLE (3.6" [92 mm] long)	A.R.
32	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
33	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
			The following items **are not** included with the Platform Control Box.	
34	03-719800		SWITCH, TOGGLE (For optional Lights) (3 1NT91-2. Two position, maintained contact, single pole, single throw)	1
35	03-506200		SEAL, TOGGLE SWITCH (for use with optional switch, above)	1
36	03-730700		SWITCH, PUSH BUTTON (Yellow) (Override for optional Sensor Ring)	1
37	03-730800		BLOCK, CONTACT (Normally open)	1
38	10-278102		PLACARD, PLATFORM CONTROL (Lexan, French language)	1
	10-278103		PLACARD, PLATFORM CONTROL (Lexan, German language)	1
39	03-497900		PLUG, PLASTIC (1/2" dia., "Panel Seal", to fill unused toggle holes)	A.R.

TITLE PLATFORM CONTROL BOX ASSEMBLY, SIMCON CONTROLS

SECTION C08. | PLATE NO. 25 | PAGE 02 | REV. - | DATED 13 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



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

TITLE

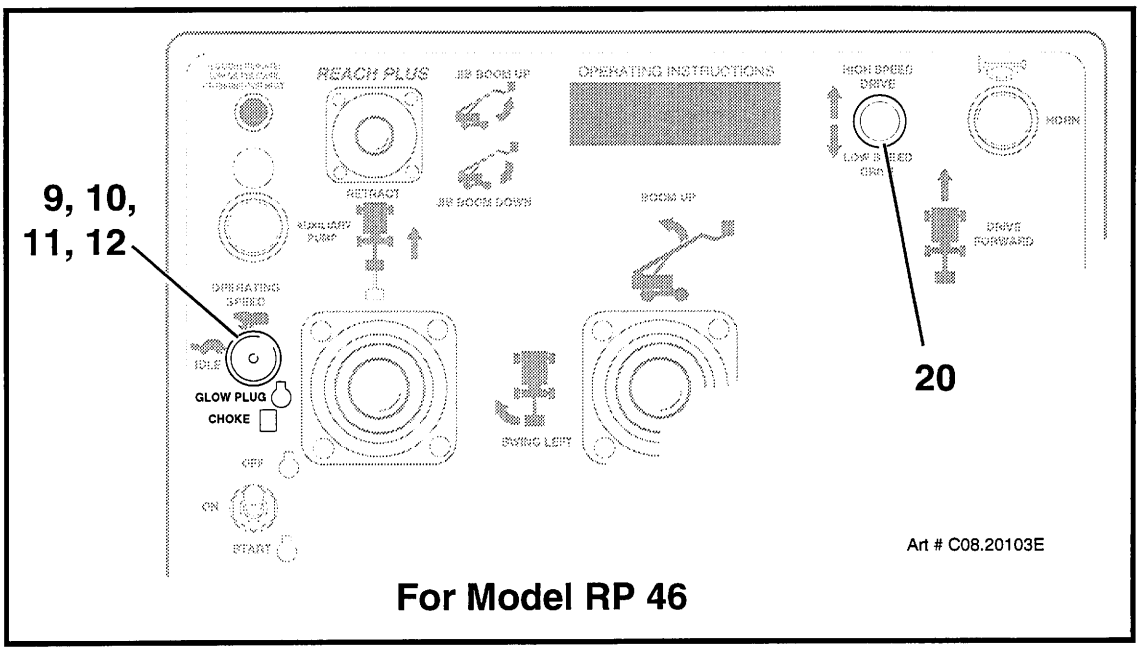
PLATFORM CONTROL BOX ASSEMBLY, SIMCON CONTROLS

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	13 DEC., 1996	C08.	25	02

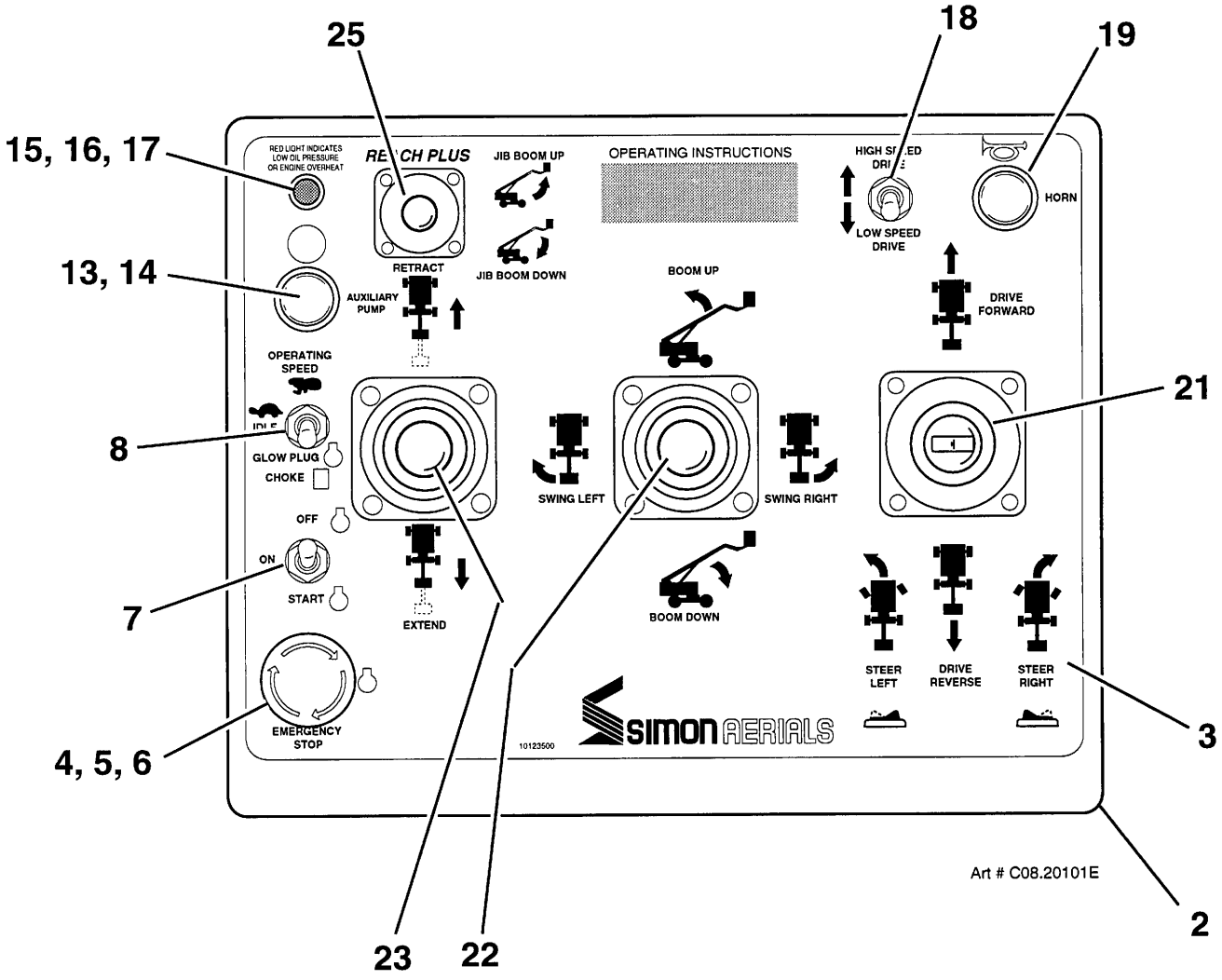
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM CONTROL BOX ASSEMBLY	1
	353 6241		For Model **RP 46** "Reach Plus"	
	353 6240		For Model **RP 66** "Reach Plus"	
2	231 9740		BOX, PLATFORM CONTROL	1
3	10-169100		PLACARD, PLATFORM CONTROL	1
4			BUTTON, EMERGENCY STOP	
	03-409800		(Red "twist to release" style) (earlier versions)	1
	03-702000		(Red "pull to release" style) (current version)	1
5	03-454900		BASE, CONTACT BLOCK	1
6	03-437300		BLOCK, CONTACT (Normally closed)	1
7	03-032600		SWITCH, TOGGLE (Start) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
8	03-032600		SWITCH, TOGGLE (Choke/ Glow plug; Engine speed) (for **RP 66**) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
9	03-402500		SWITCH, PUSH BUTTON (Choke/ Glow plug) (for **RP 46**) (10 Amp, 250 Volt AC)	1
10	03-402600		SEAL, SWITCH BEZEL (for **RP 46**)	1
11	03-402800		BUTTON, SWITCH (Blue) (for **RP 46**)	1
12	10-151000		CAP (Black vinyl) (for **RP 46**)	1
13	03-020300		SWITCH, PUSH BUTTON (Emergency pump)	1
14	03-020302		CAP, PUSH BUTTON SWITCH (Red. Includes nut)	1
15	03-481200		DIODE, BLINKING (Red) (Type 1, **.07" [1.8 mm]** dia.)	
	03-706400		DIODE, BLINKING (Red) (Type 2, **.39" [9.9 mm]** dia.)	
			Engine warning indicator lamp	1
			Glow plug indicator lamp (with optional Diesel engine)	1
16	03-481300		HOLDER, DIODE (used with "**Type 1**" diode)	A.R.
17	03-481100		RESISTOR (470 Ohm) (used with "**Type 1**" diode)	A.R.
18	03-020400		SWITCH, TOGGLE (Drive speed) (for **RP 66**) (2 position, maintained contact, single pole, single throw)	1
19	03-020300		SWITCH, PUSH BUTTON (Horn)	1
20	03-497900		PLUG, PLASTIC (1/2" dia., "Panel seal")	A.R.
21	03-735200	E01.16	CONTROLLER, SINGLE AXIS (with rocker) (Drive/ Steer) (Identified as "**MJ 412A-1043**" or "**MJ 4121-1043**")	1
22	03-491100	E01.10	CONTROLLER, DUAL AXIS (Boom angle/ swing) (Identified on nameplate as "**MJ 5122-1020**")	1
23	03-734900	E01.17	CONTROLLER, SINGLE AXIS (Boom extend/ retract) (Identified as "**MJ 9001-0401**" or "**MJ 4121-1020**")	1
24	03-499500		COVER KIT, CONTROLLER (includes one underside boot and clamp)	3
25	03-704700	E01.15	"MINI" CONTROLLER, SINGLE AXIS (Jib boom angle)	1

TITLE	PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 1 OF 3)		
PLATE NO. C08.201	**SIMON AERIALS INC.**	REV. 02 FEB., 1996	**PART NO.**



For Model RP 46



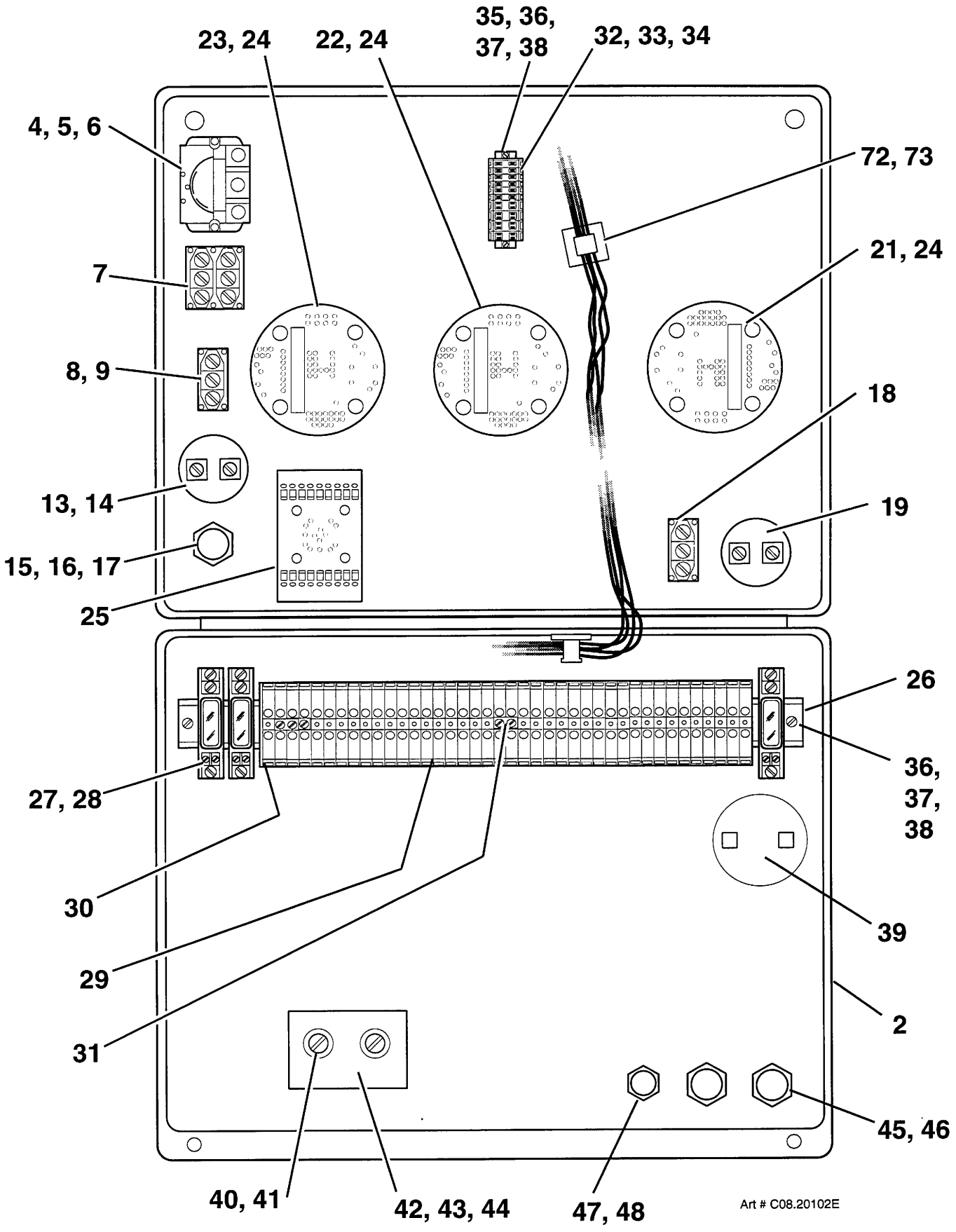
TITLE	PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 1 OF 3)		
SIMON AERIALS INC.	REV. 02 FEB., 1996	**PART NO.**	**PLATE NO.** C08.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26	03-051700		RAIL, TERMINAL (1 M [39.38"] long section)	
			(305 mm [12"] long piece needed for this application)	A.R.
27	03-051600		SOCKET, RELAY (Single pole, snap mount)	3
28	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	
			For Model RP 46	2
			For Model RP 66	3
29	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	
			For Model RP 46	39
			For Model RP 66	43
30	03-066100		PLATE, TERMINAL BLOCK END	1
31	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.
32	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	6
33	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	
			For Model RP 46	4
			For Model RP 66	3
34	03-036700		PLATE, TERMINAL BLOCK END	1
35	03-036600		RAIL, TERMINAL (1 M [39.37"] long section)	
			(102 mm [4"] long piece needed for this application)	A.R.
36	07-011335		MACHINE SCREW, ROUND HEAD (#6-32 x 1/2")	4
37	07-090063		WASHER, EXTERNAL TOOTH (#6)	2
38	07-050007		NUT, STOP (#6-32, Grade 5)	2
39	03-501800		ALARM (Dual tone)	1
40	03-027231		POTENTIOMETER (10 K Ohm)	2
41	03-044900		LOCK, SHAFT	2
42	232 3870		BRACKET, POTENTIOMETER MOUNTING	1
43	07-090156		CAP SCREW, BUTTON HEAD	
			(1/4"-20 x 5/8", Stainless Steel)	2
44	07-065014		WASHER, HELICAL LOCK (1/4")	2
45	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	2
46	03-055600		NUT, CONDUIT (3/4")	2
47	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	1
48	03-055500		NUT, CONDUIT (1/2")	1

TITLE PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 2 OF 3)

PLATE NO. C08.201 | **SIMON AERIALS INC.** REV. 02 FEB., 1996 | PART NO.

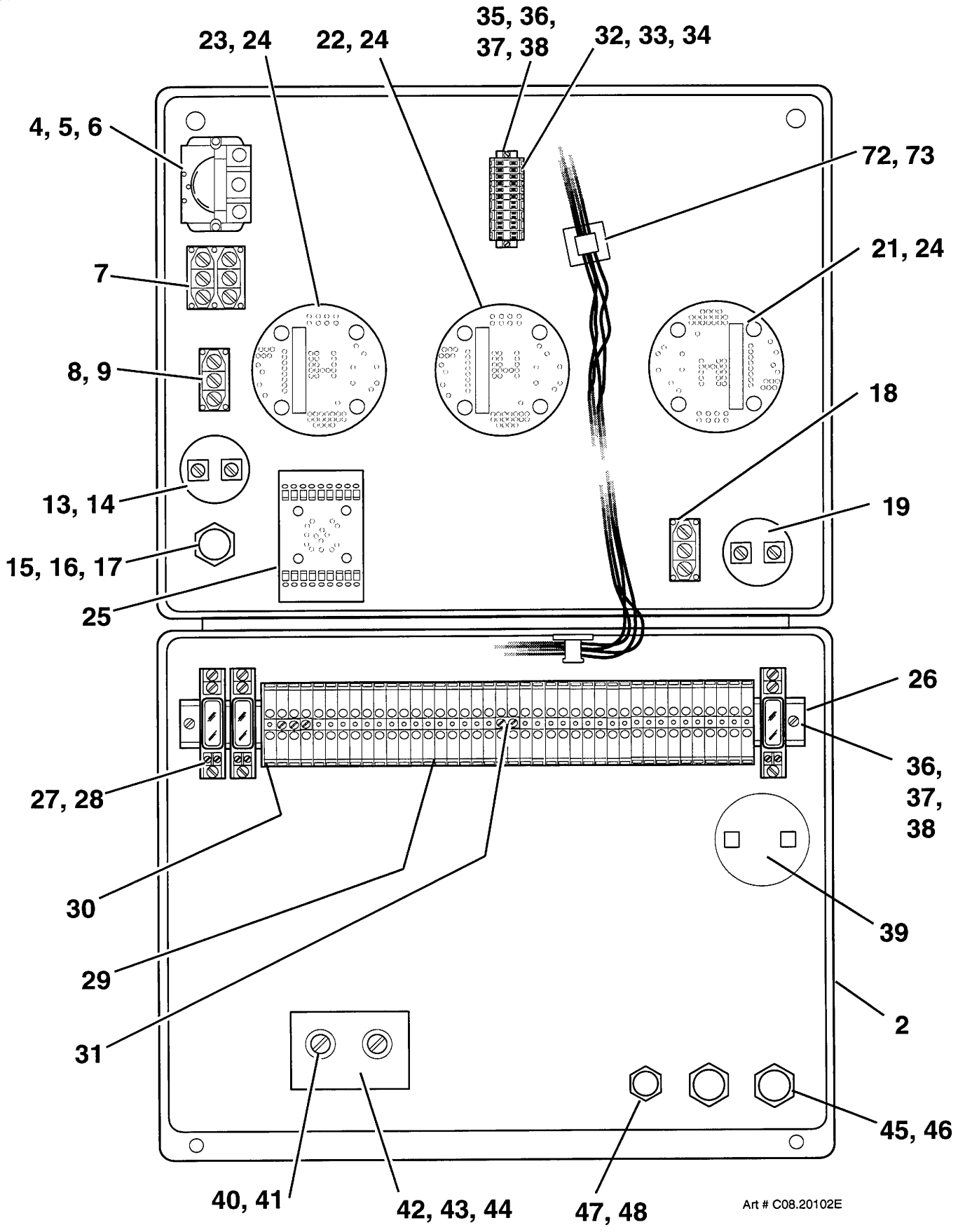


TITLE	PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 2 OF 3)		
SIMON AERIALS INC.	REV. 02 FEB., 1996	PART NO.	PLATE NO. C08.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are **are not** included with the Platform Control Box:	
49	03-020400		SWITCH, TOGGLE (for optional lights) (not shown) (2 position, maintained contact, single pole, single throw)	1
50	10-021100		DECAL, LIGHTS (not shown)	1
			The following hardware items, listed for your convenience, are **typically** used in Simon electrical control boxes:	
51	03-488800		CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG) (Bulk item, order as needed)	
52	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue, stranded) (Bulk item)	
53	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)	
54	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)	
55	03-061800		DIODE	
56	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	
57	03-092300		COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)	
58	03-096000		TERMINAL, END (Blue, "piggyback") (#14-16 AWG)	
59	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	
60	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	
61	03-098400		TERMINAL, END (Blue, #14-16 AWG)	
62	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	
63	03-098100		TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)	
64	03-095500		TERMINAL, RING (Yellow, #10 AWG, #6 stud)	
65	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	
66	03-099100		CONNECTOR, BUTT (Yellow, #10-12 AWG)	
67	03-095900		TERMINAL, RING (Red, #8 stud)	
68	03-066800		LOOM, WIRE (1/2")	
69	03-066900		LOOM, WIRE (3/4")	
70	03-405200		TUBING, HEAT SHRINK (Clear, 3/16")	
71	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	
72	03-064000		TIE, CABLE (7.4" [188 mm] long)	
73	03-064100		MOUNT, CABLE TIE (Adhesive backed)	

TITLE	PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 3 OF 3)		
PLATE NO. C08.201	**SIMON AERIALS INC.**	REV. 02 FEB., 1996	PART NO.



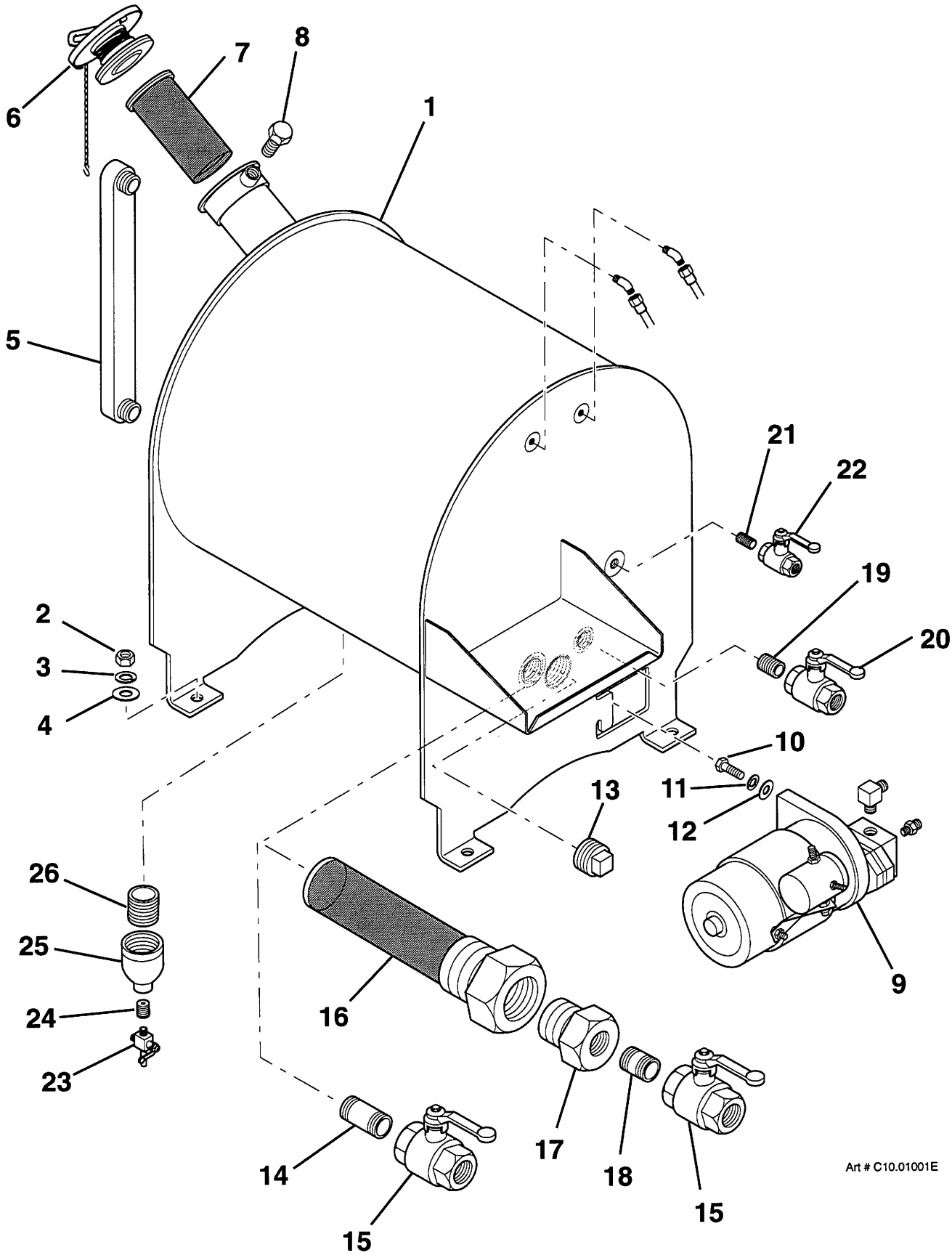
TITLE	PLATFORM CONTROL BOX, RP 46, RP 66 (PLATE 3 OF 3)		
SIMON AERIALS INC.	REV. 02 FEB., 1996	PART NO.	PLATE NO. C08.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			TANK, HYDRAULIC [Capacity 35.3 gallons (133.6 liters)]	1
			Standard tank:	
			Tank is 32" (.8 M) high x 24-1/4" (.62 M) long:	
	2003104		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.	
			Optional tanks:	
			Tank is 32" (.8 M) high x 24-1/4" (.62 M) long:	
	2177150		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.	
	2165650		**No battery tray**. Has **(2) 1" and (2) 1-1/2" NPT flanges**. Has **2" NPT fitting on underside** for drain.	
	2182670		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.	
			Tank is 25-1/4" (.64 M) high x 24-1/4" (.62 M) long:	
	2097073		Has **1-1/2" and 2" NPT flanges**. Has **no battery tray**. Has **no NPT fitting on underside** for drain.	
			Tank is 32" (.8 M) high x 18-1/2" (.47 M) long:	
	2312960		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")	4
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	01-027200	D07.04	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
	11-050041		PLUG, SQUARE HEAD (1-1/2" NPT) (when 2" ball valve is used, on tanks without optional suction strainer)	1

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

PLATE NO. C10.01 | **SIMON AERIALS INC.** REV. 29 JUN., 1994 | PART NO.



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

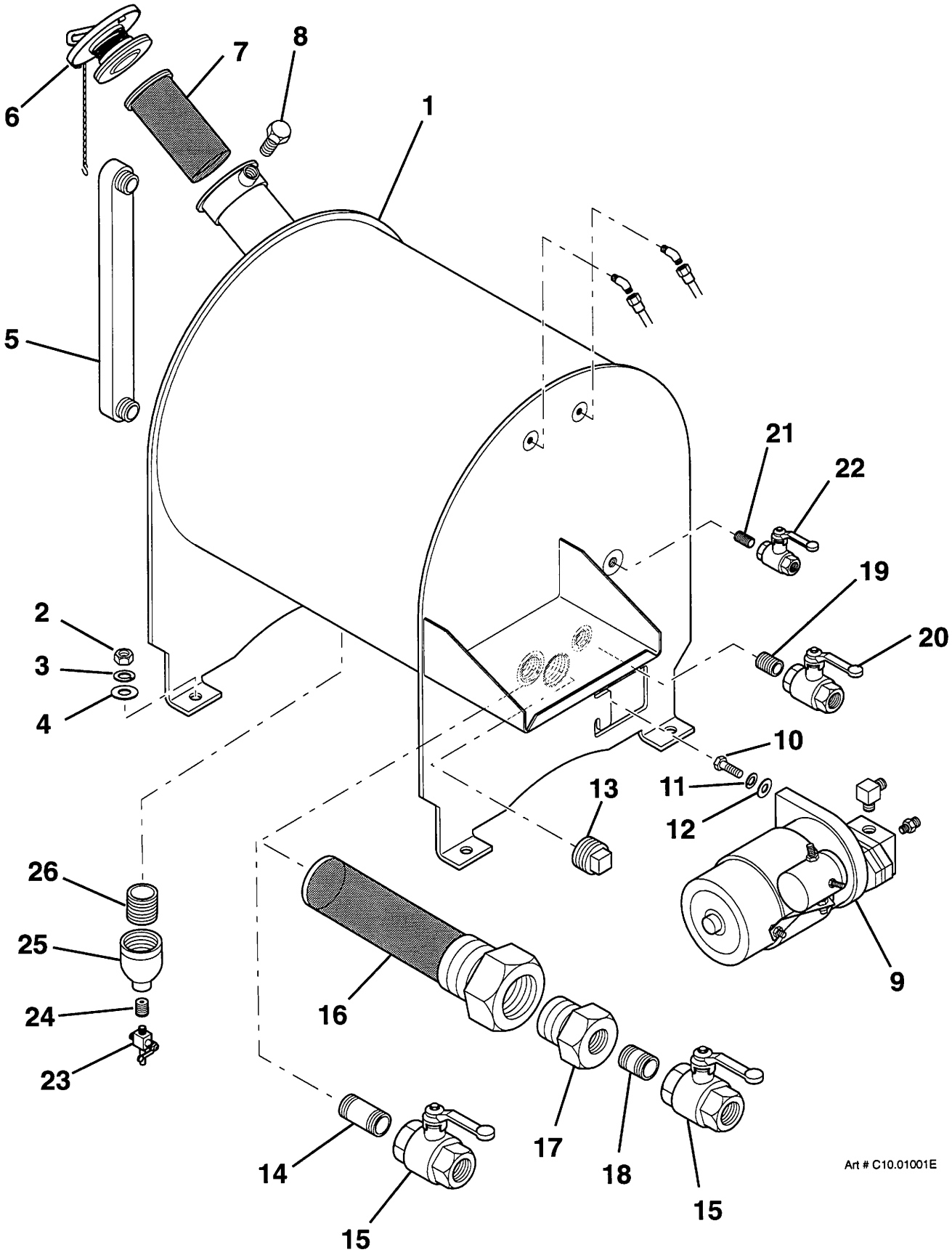
SIMON AERIALS INC.	REV. 29 JUN., 1994	PART NO.	PLATE NO. C10.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	11-075800		NIPPLE, PIPE (1-1/2" NPT, 3" long)	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
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		NIPPLE, PIPE (1" NPT, close)	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 fittings may be found on a typical installation:	
27	01-226000		FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)	1
28	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long)	1
29	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
30	06-001700		CONNECTOR, MALE (12-8 FTX-S)	1
31	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
32	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
33	11-050023		ELBOW, STREET (1-1/2")	2
34	06-004100		90° ELBOW, MALE 37° TO NPT (6-8 CTX-S)	1
35	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	1
36	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S)	1
37	06-045500		90° ELBOW, STRAIGHT THREAD (12-10 C50X-S)	1
38	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
39	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
40	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
41	06-080500		90° STREET ELBOW (1/2 CD-S)	1
42	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
43	06-056300		BRANCH TEE, MALE SWIVEL NUT (12 S6X-S)	1
44	06-074900		ADAPTER TEE, PIPE THREAD (1/2 MRO)	1

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

PLATE NO.			PART NO.
C10.01	**SIMON AERIALS INC.**	REV. 29 JUN., 1994	



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

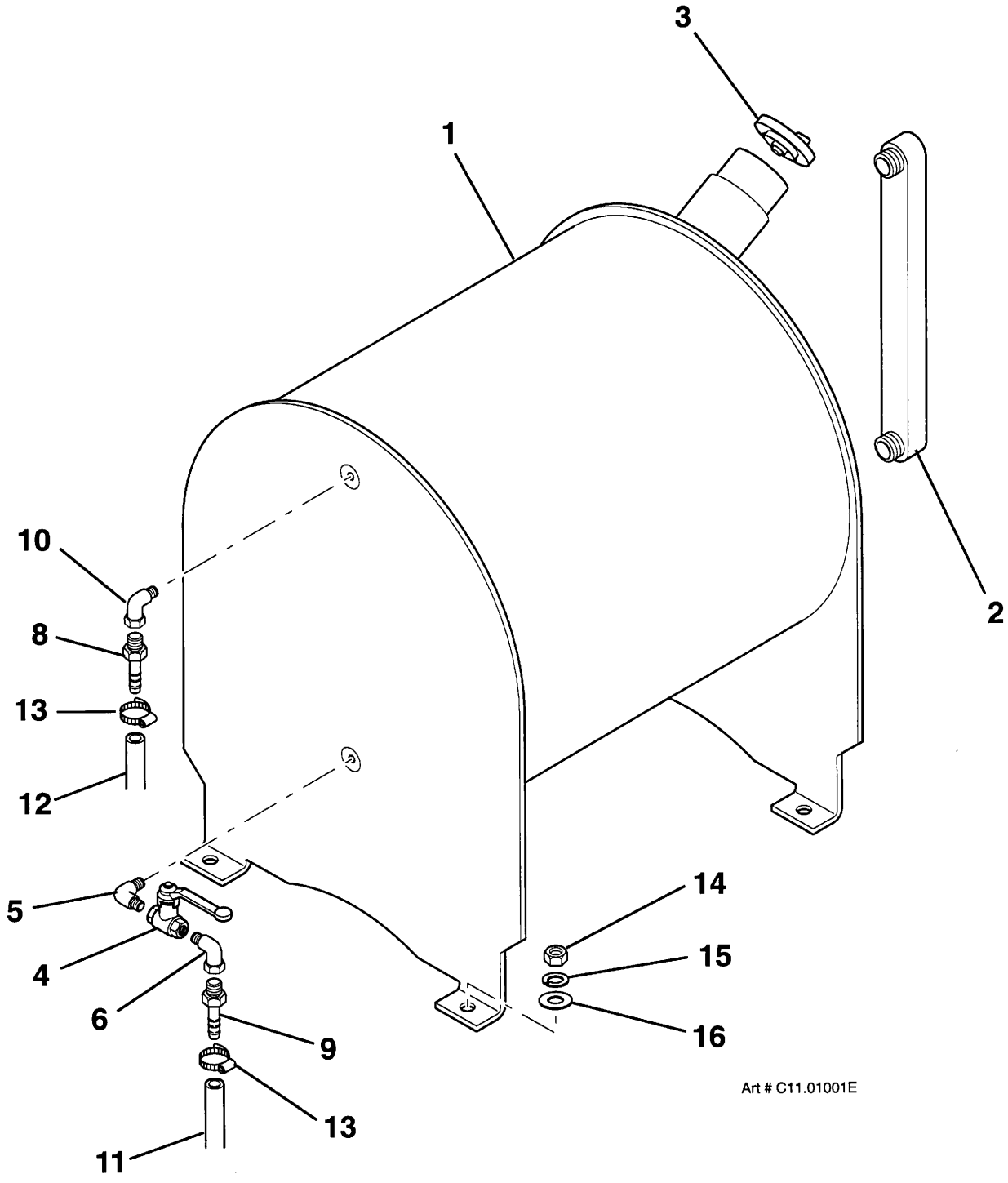
SIMON AERIALS INC. REV. 29 JUN., 1994 | PART NO. | PLATE NO. C10.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			TANK ASSEMBLY, FUEL	1
	3500763		Standard tank assembly for Gasoline engines	
	3500781		Standard tank assembly for Diesel engines	
1			TANK WELDMENT, FUEL	
			[Capacity 35.3 gallons (133.6 liters)]	1
	2003034		**Standard tank:** overall height is 32" (.81 M)	
	2097060		**Optional tank:** overall height is 25-1/4" (.64 M)	
2	10-033800	D12.05	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
			PLUG (except Diesel engine)	1
	11-075400		SQUARE HEAD (1/4" NPT) (option with 06-079800)	
	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.	SIMON AERIALS INC.	PART NO.
C11.01	REV. 29 JUN., 1994	



TITLE	FUEL TANK ASSEMBLY, MP SERIES (W/O EXTENDABLE AXLES)		
SIMON AERIALS INC.	REV. 29 JUN., 1994	PART NO.	PLATE NO. C11.01

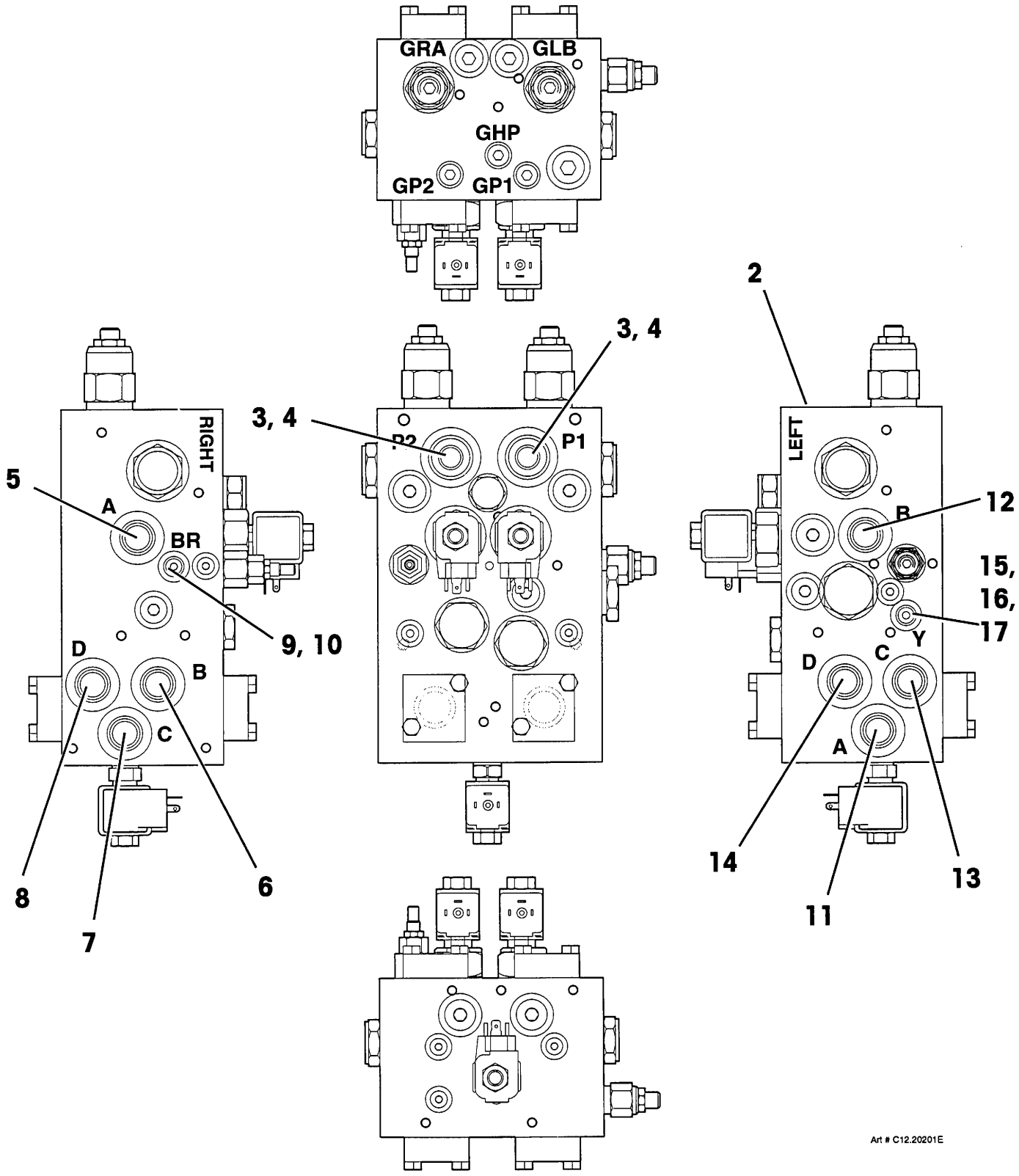
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 7050		VALVE ASSEMBLY, DRIVE (MP 60, RP 66)	1
2	01-238400		VALVE BLOCK ASSEMBLY, DRIVE	1
			Ports "P1" and "P2":	
3	06-041400		ADAPTER, "O"-RING TO 37° (16 F5OX-S)	2
4	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S) (some earlier versions)	2
			Port "A" (Right side):	
5	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	1
			Port "B" (Right side):	
6	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	1
			Port "C" (Right side):	
7	06-047400		45° ELBOW, "O"-RING TO 37° (12 V5OX-S)	1
			Port "D" (Right side):	
8	06-047400		45° ELBOW, "O"-RING TO 37° (12 V5OX-S)	1
			Port "BR" (Brake):	
9	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1
10	06-054300		RUN TEE, 37° FEMALE SWIVEL NUT (4 R6X-S)	1
			Port "A" (Left side):	
11	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	1
			Port "B" (Left side):	
12	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	1
			Port "C" (Left side):	
13	06-047400		45° ELBOW, "O"-RING TO 37° (12 V5OX-S)	1
			Port "D" (Left side):	
14	06-047400		45° ELBOW, "O"-RING TO 37° (12 V5OX-S)	1
			Port "Y" (Drain):	
15	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-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
			The following items **are not** included with the Drive Valve Assembly:	
18	07-003045		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)

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
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE: DRIVE VALVE ASSEMBLY (FOUR WHEEL DRIVE)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
354 7050	-	10 JUN., 1996	C12.	05	01

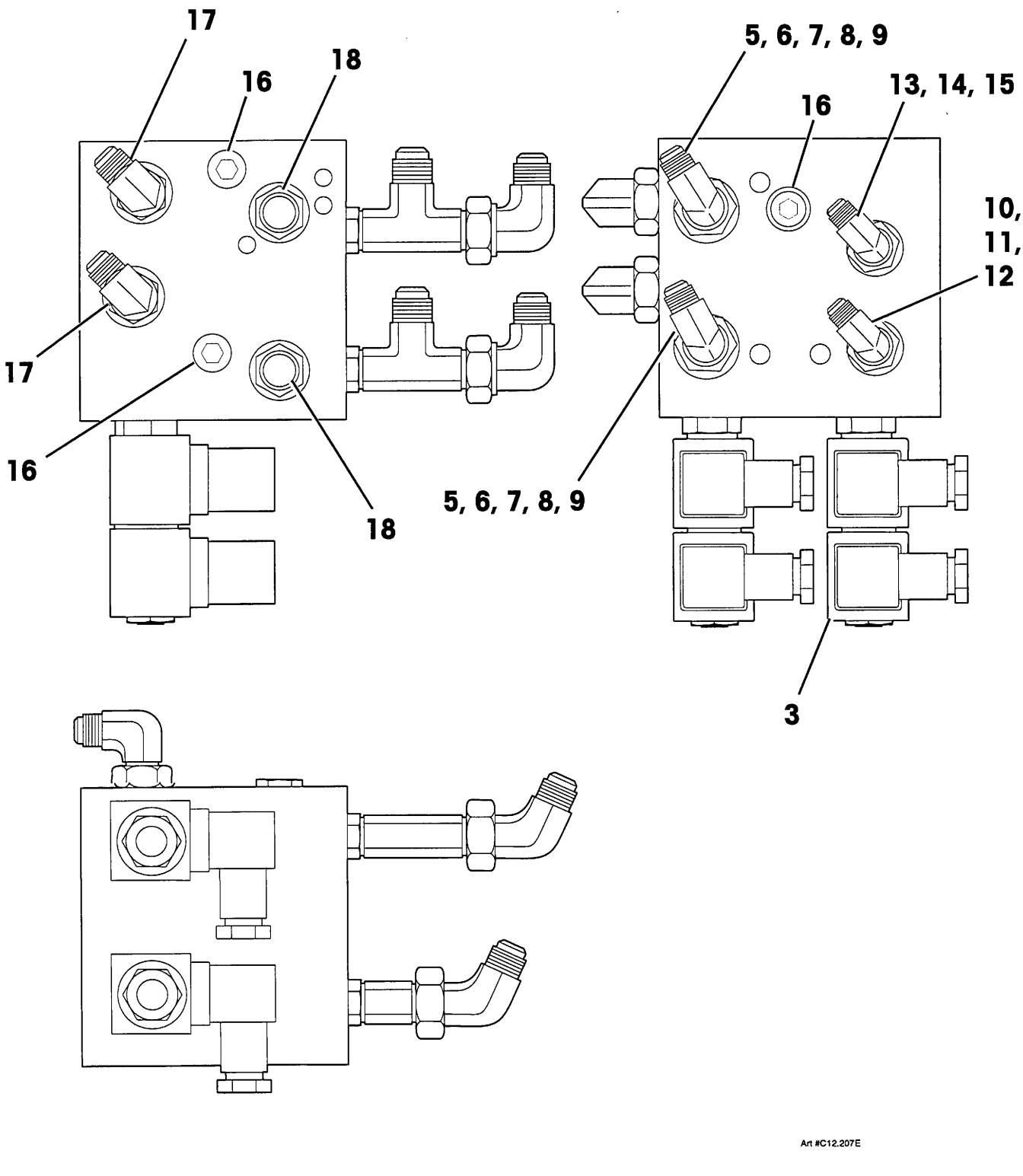
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM LEVEL/ ROTATE VALVE ASSEMBLY	1
	354 4811		Current version (For all except as listed below)	
	354 4810		Earlier version (For **RP 86** S/N AXA 00147, AXA 00148 and AUA 00155 only)	
2	01-238100		MANIFOLD, PLATFORM LEVEL/ ROTATE VALVE	1
3	01-238101		COIL, ELECTRICAL (12 Volt DC, DIN connection)	4
4	01-238102		CONNECTOR, DIN	4
5	06-090300		REDUCER/ EXPANDER (6-4 F50 G5-S)	2
6	06-048300		RUN TEE, MALE "O"-RING TO 37° (4 R5OX-S)	2
7	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S) (for current version)	2
8	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S) (for current version only)	2
9	06-046800		45° ELBOW, "O"-RING TO 37° (4 V5OX-S) (for current version)	2
10	06-090300		REDUCER/ EXPANDER (6-4 F50 G5-S)	1
11	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S) (for current version only) (Earlier version used Elbow 06-044300 [4 **C5OX**-S])	1
12	06-046800		45° ELBOW, "O"-RING TO 37° (4 V5OX-S) (for current version)	1
13	06-090300		REDUCER/ EXPANDER (6-4 F50 G5-S) (Earlier version used **Elbow** 06-044400 [4-6 C5OX-S])	1
14	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S) (for current version only)	1
15	06-046800		45° ELBOW, "O"-RING TO 37° (4 V5OX-S) (for current version)	1
16	06-094800		PLUG, HEX SOCKET "O"-RING (4 HP5ON-S)	3
17	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S) (for current version only) (Earlier version used two Elbows 06-044600 [6 **C5OX**-S])	2
18	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	2

TITLE PLATFORM LEVEL/ ROTATE VALVE ASSEMBLY

SECTION C12. | PLATE NO. 207 | PAGE 01 | REV. B | 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



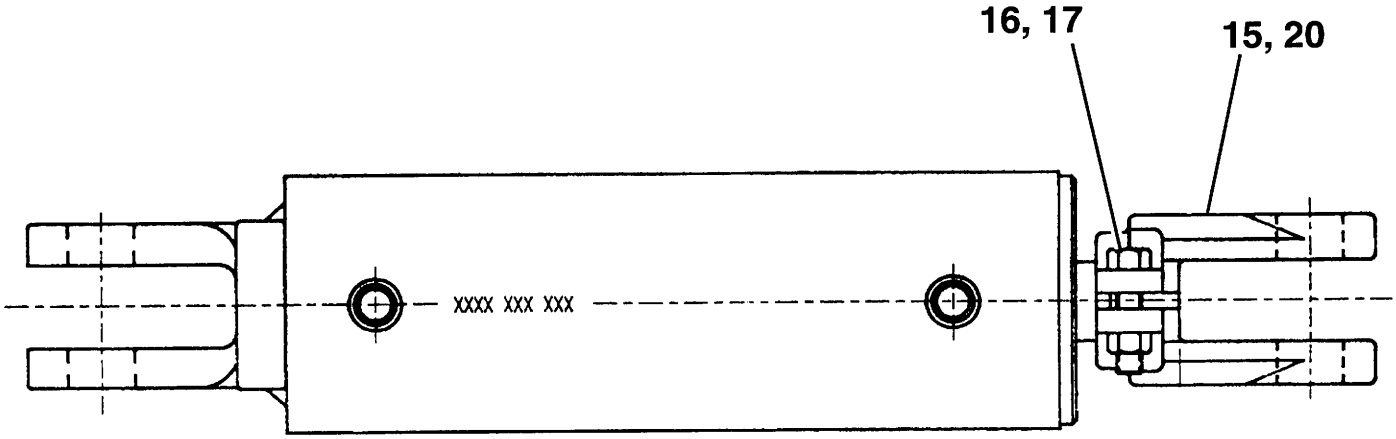
Art #C12.207E

Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	TITLE PLATFORM LEVEL/ ROTATE VALVE ASSEMBLY					
	PART NO.	REV. B	DATED 08 OCT., 1996	SECTION C12.	PLATE NO. 207	PAGE 01

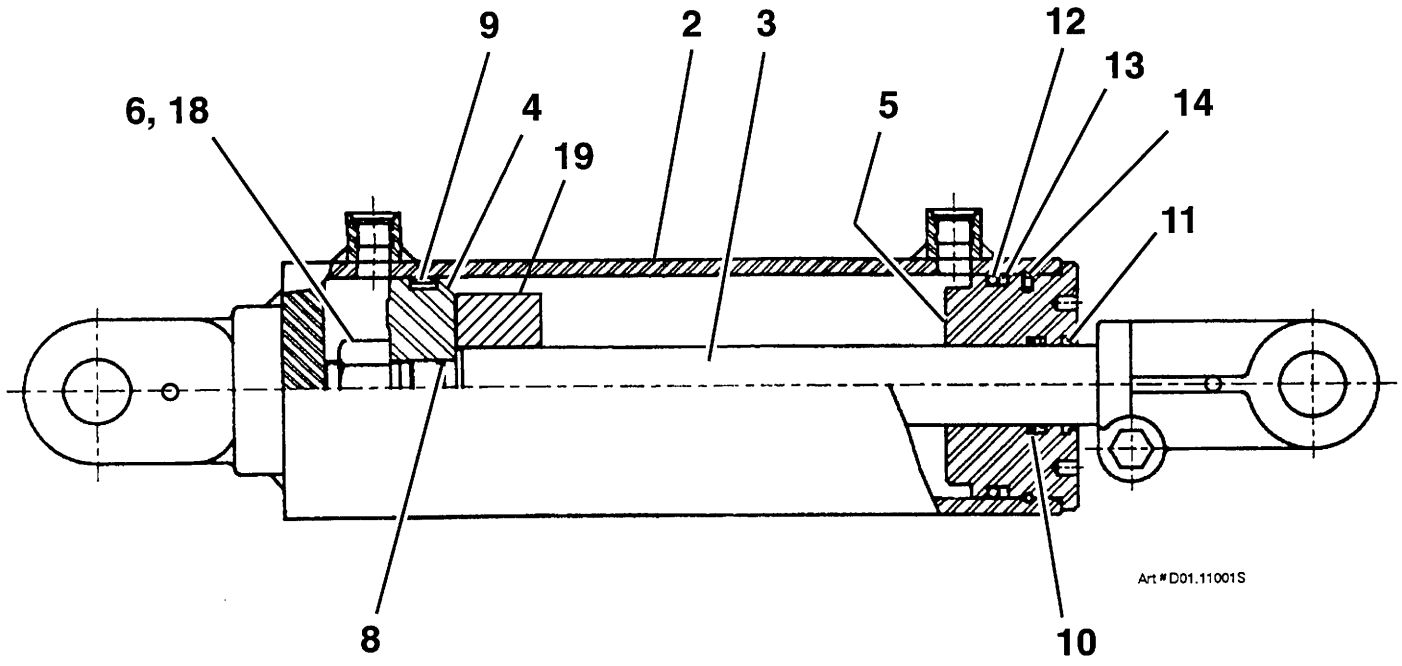
PARTS LIST

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

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



Art # D01.11002S



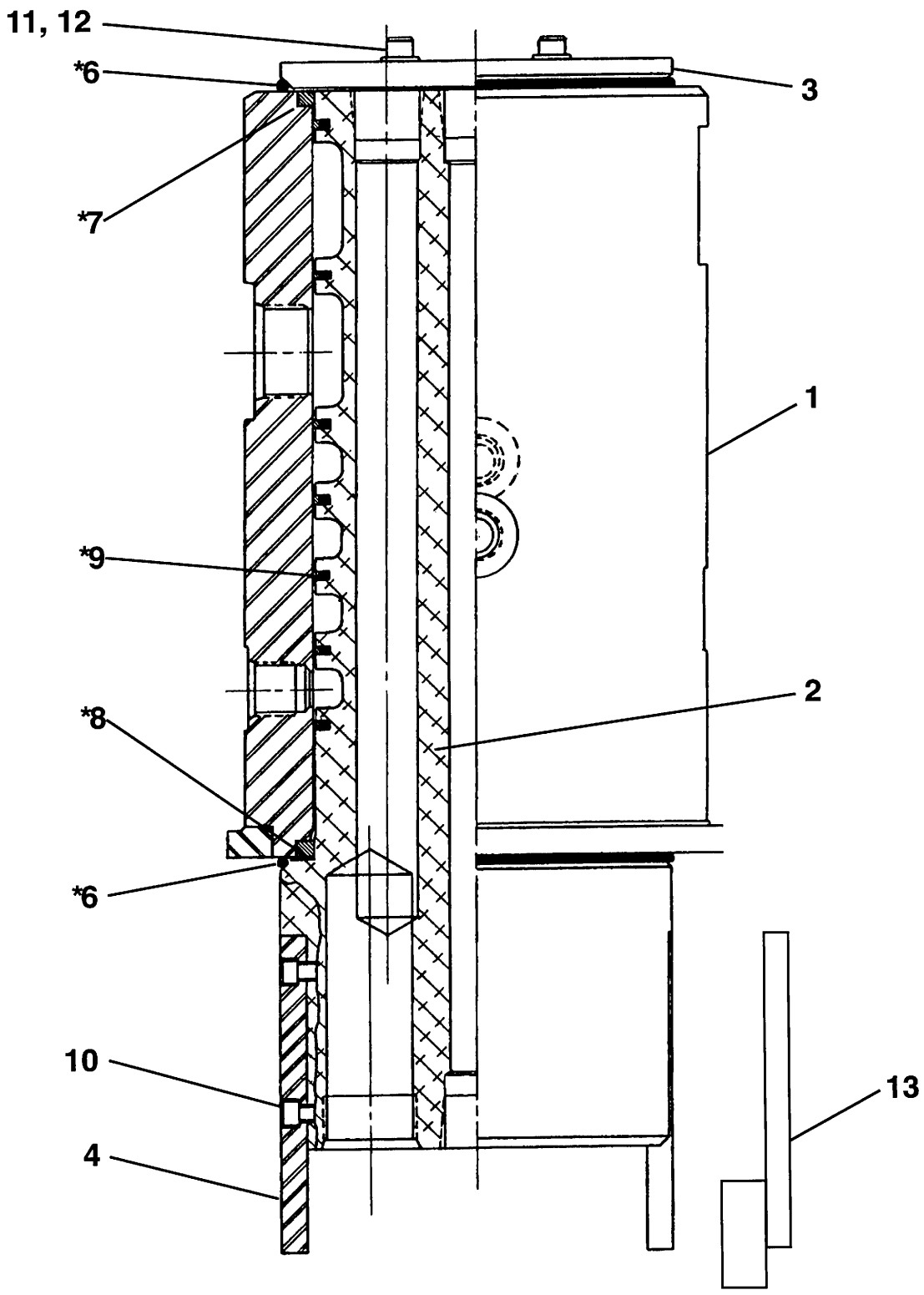
Art # D01.11001S

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

PARTS LIST

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

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



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

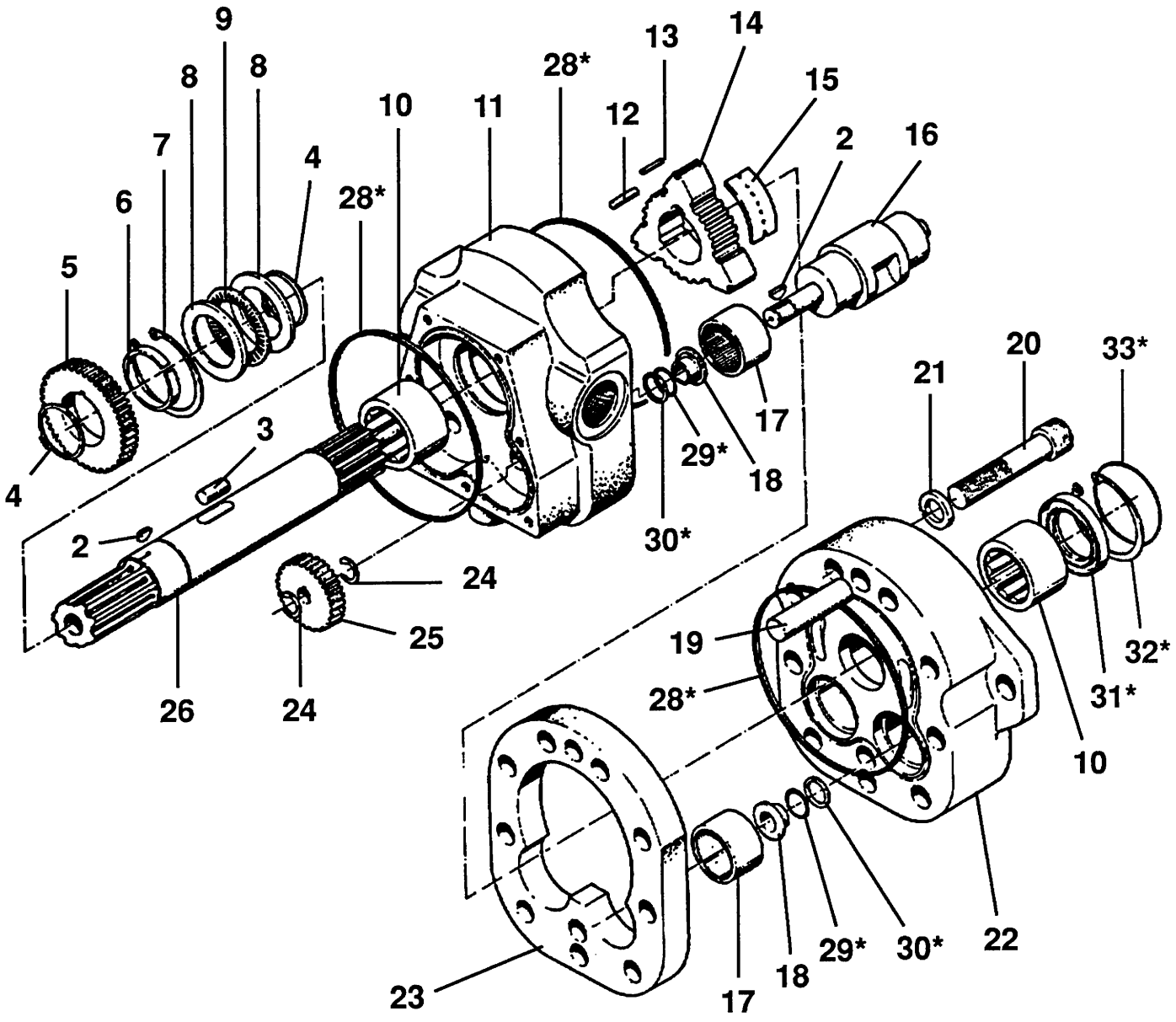
TITLE	HYDRAULIC SWIVEL		
SIMON AERIALS INC. REV. 17 JUN., 1994	PART NO. 04-008700	PLATE NO. D02.01	

PARTS LIST

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

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

PLATE NO. D03.02 | **SIMON AERIALS INC.** REV. 7/19/91 | PART NO. 01-004800

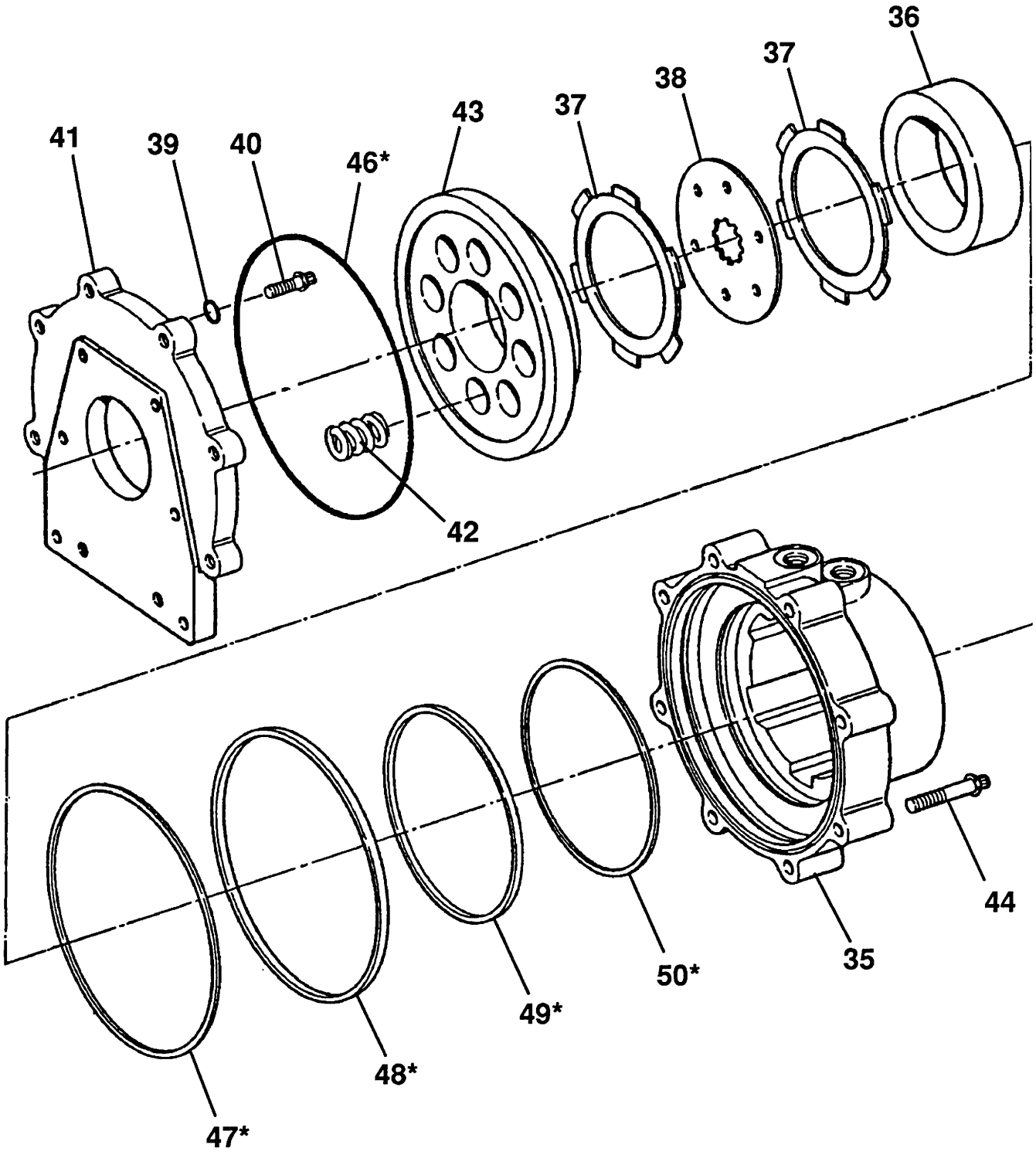


TITLE	WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.^{3}, PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 7/19/91		PART NO. 01-004800	PLATE NO. D03.02

PARTS LIST

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

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

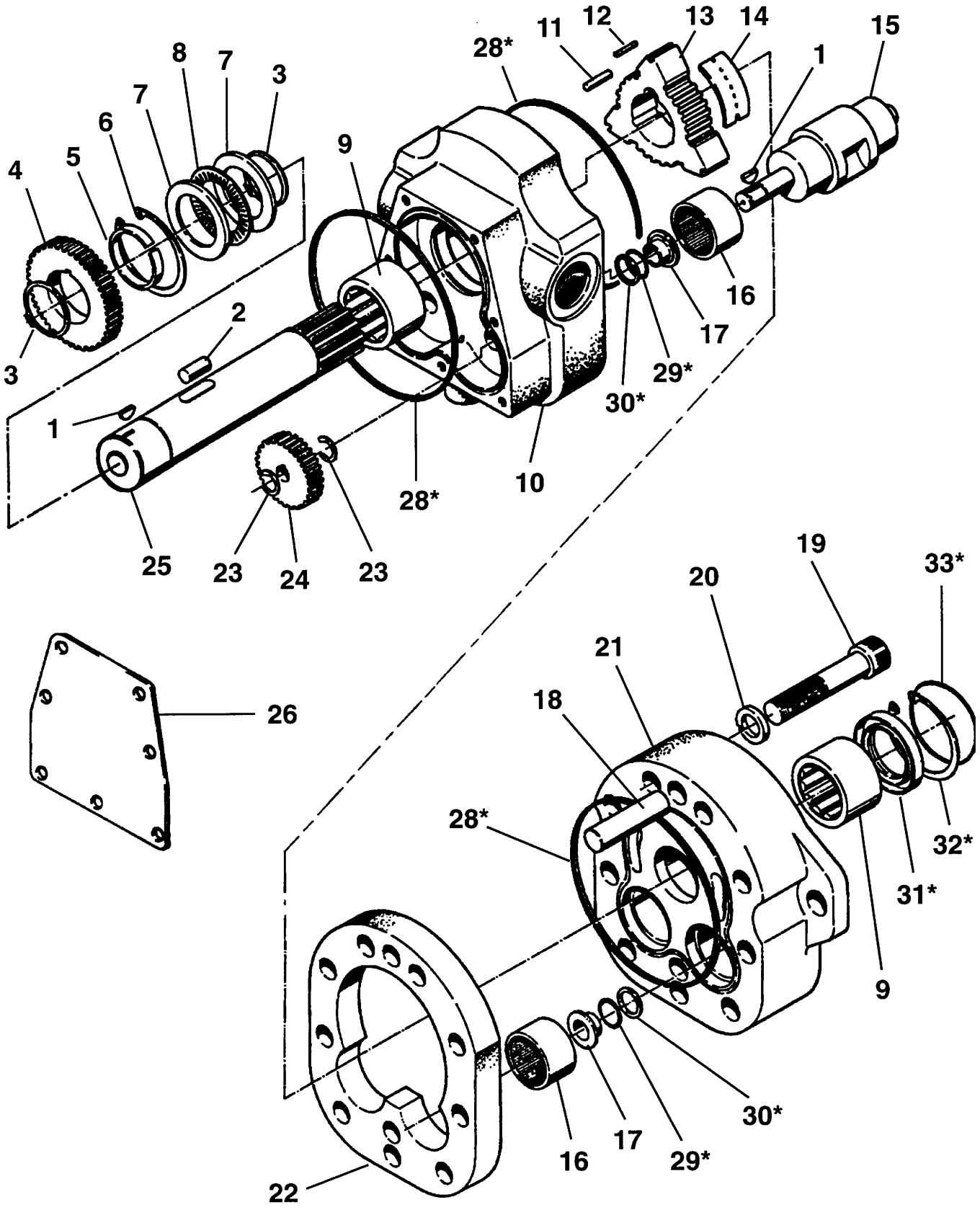


TITLE	WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)		
SIMON AERIALS INC. REV. 7/19/91	PART NO. 01-004800	PLATE NO. D03.02	

PARTS LIST

ITEM	PART NO	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

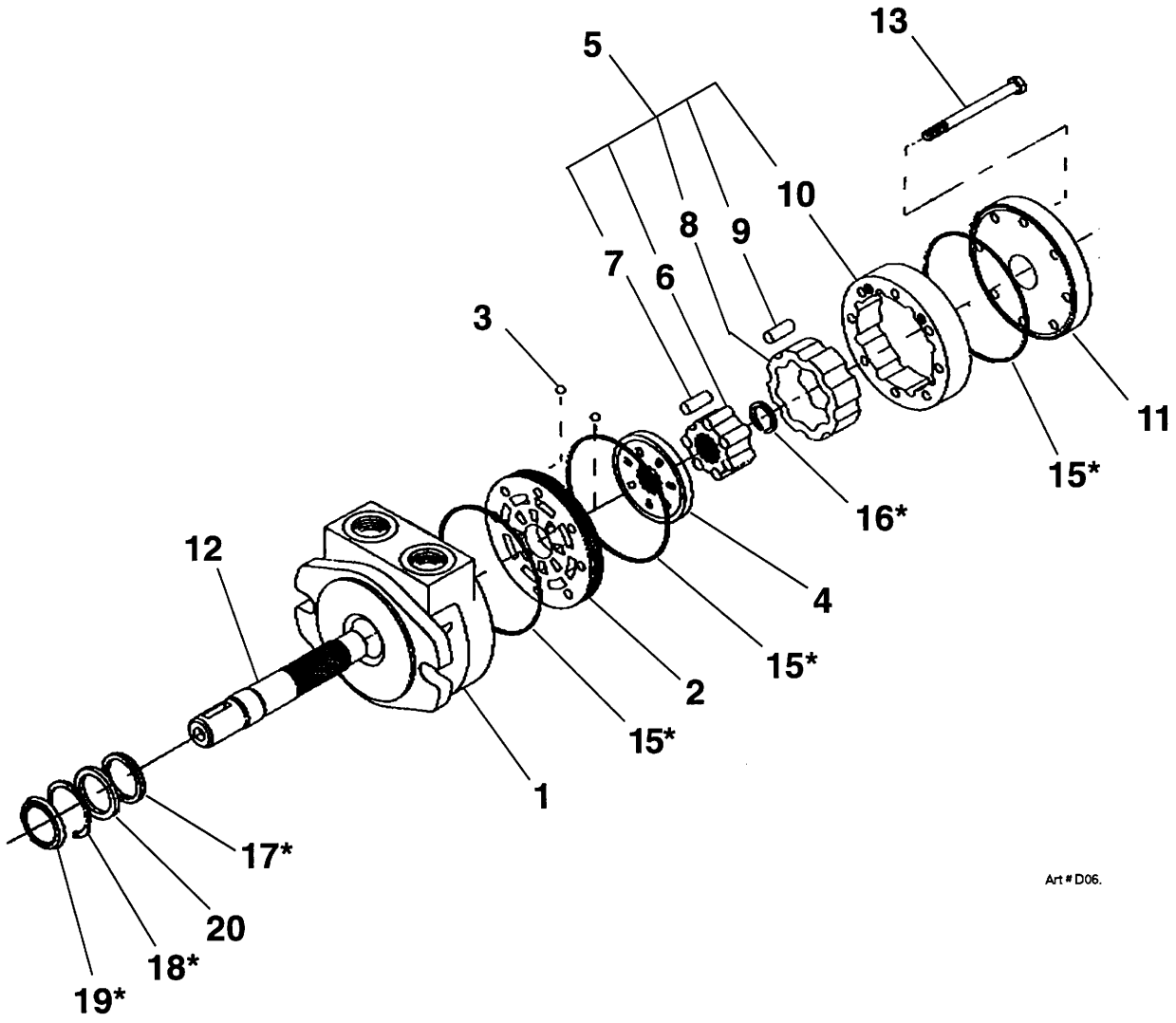


TITLE	WHEEL MOTOR (4 IN.^{3}, USED W/O BRAKE ON 4WD STEER AXLE)		
SIMON AERIALS INC.	REV. 7/19/91	PART NO. 01-003400	PLATE NO. D03.07

PARTS LIST

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

TITLE	SWING MOTOR		
PLATE NO. D06.12	**SIMON AERIALS INC.**	REV. 19 JUL., 1994	PART NO. 01-215500

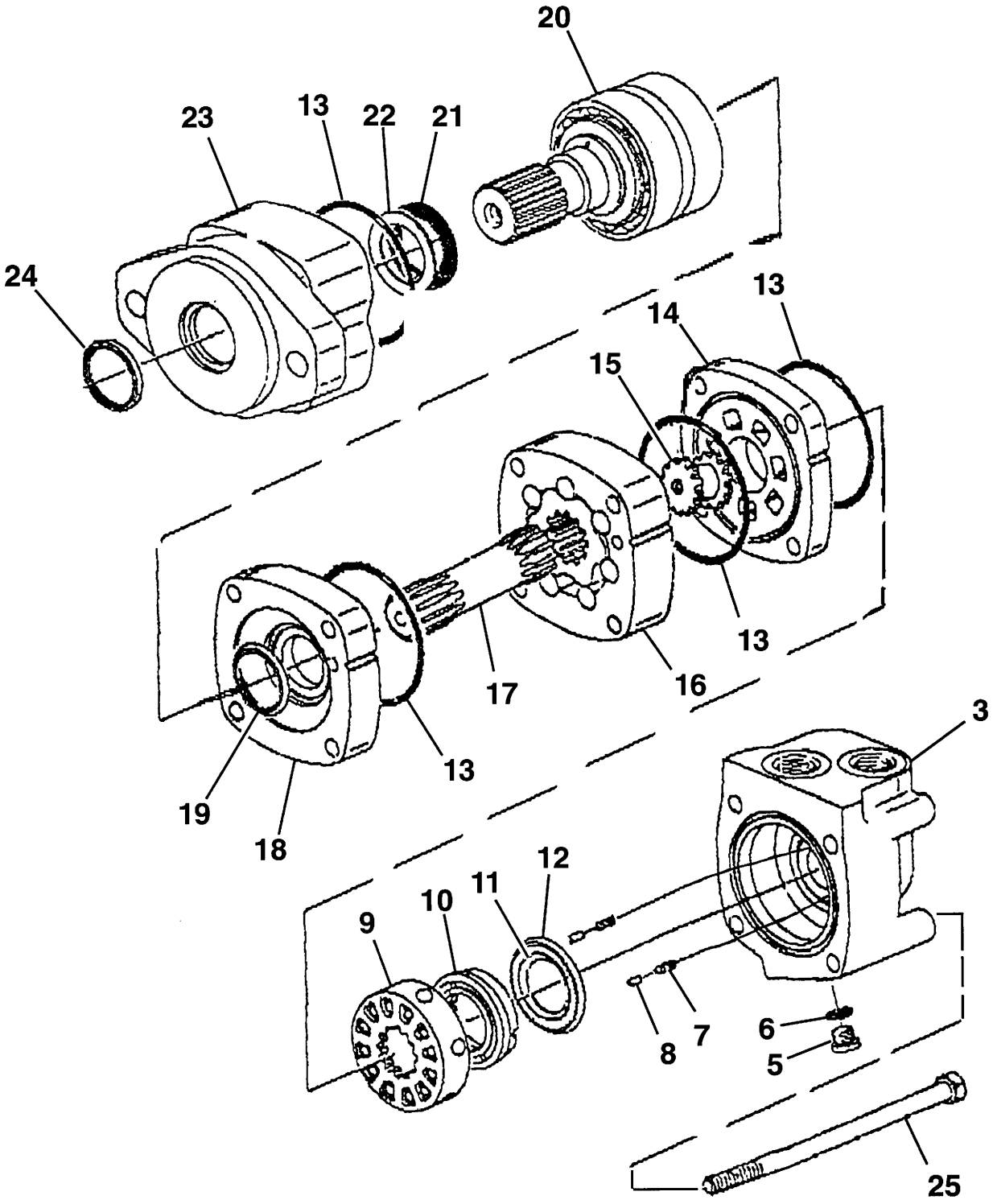


TITLE	SWING MOTOR		
SIMON AERIALS INC.	REV. 19 JUL., 1994	PART NO. 01-215500	PLATE NO. D06.12

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-231601		SEAL KIT, MOTOR **Note:** items in kit identified by asterisk **(*)**	1
2	01-231600		MOTOR ASSEMBLY (Motor I.D. tag reads **"104 1020 006"**)	
			[14.9 c.i. (244 c.c.)/ rev. displacement]	1
3			HOUSING ASSEMBLY, VALVE	1
4			PLUG ASSEMBLY	2
5			PLUG	1
6		*	"O"-RING	1
7			SPRING	2
8			SCREW	2
9			VALVE	1
10			RING, BALANCE (with pins)	1
11		*	"O"-RING	1
12		*	RING, BACKUP	1
13		*	SEAL	4
14			PLATE, VALVE	1
15			DRIVE, VALVE	1
16			GEROLER	1
17			SHAFT, DRIVE	1
18			PLATE, WEAR	1
19		*	SEAL, SHAFT FACE	1
20	01-231602		SHAFT AND BEARING ASSEMBLY (1" SAE 6B spline)	1
21		*	SEAL, SHAFT	1
22		*	RING, BACKUP	1
23			HOUSING, BEARING (SAE "A" 2 bolt mount)	1
24		*	SEAL, DUST [1-9/16" (40 mm)]	1
25			BOLT, HEX HEAD	4

TITLE	SWING MOTOR ASSEMBLY		
PLATE NO. D06.13	**SIMON AERIALS INC.**	NEW 19 JUL., 1994	**PART NO.** 01-231600

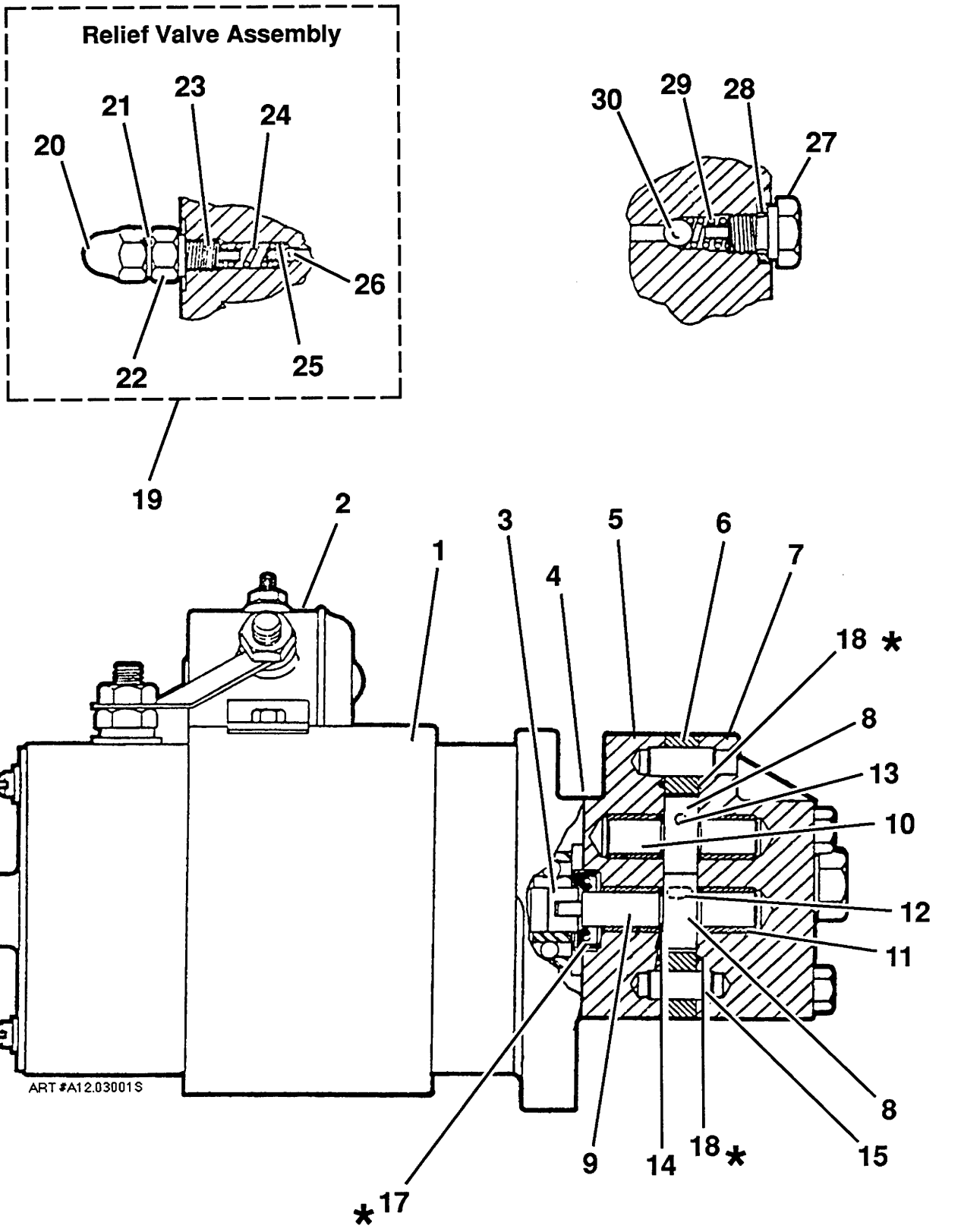


TITLE	SWING MOTOR ASSEMBLY		
SIMON AERIALS INC. NEW 19 JUL., 1994		PART NO. 01-231600	PLATE NO. D06.13

PARTS LIST

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

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

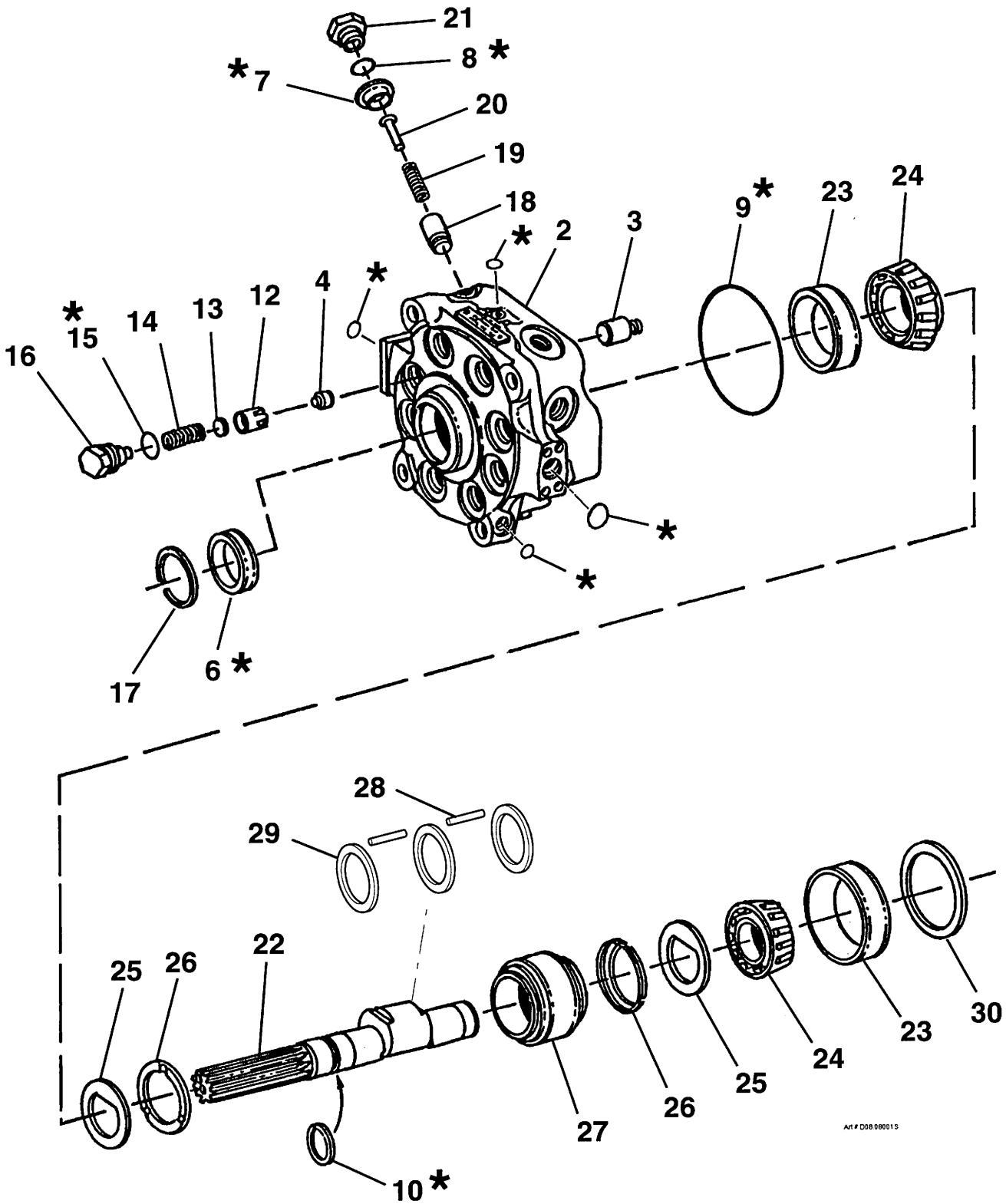


TITLE	EMERGENCY PUMP		
SIMON AERIALS INC. REV. 08 OCT., 1993	PART NO. 01-027200	PLATE NO. D07.04	

PARTS LIST

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

TITLE	HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)			
PLATE NO.	D08.13	**SIMON AERIALS INC.**	REV. 17 MAR., 1995	**PART NO.**

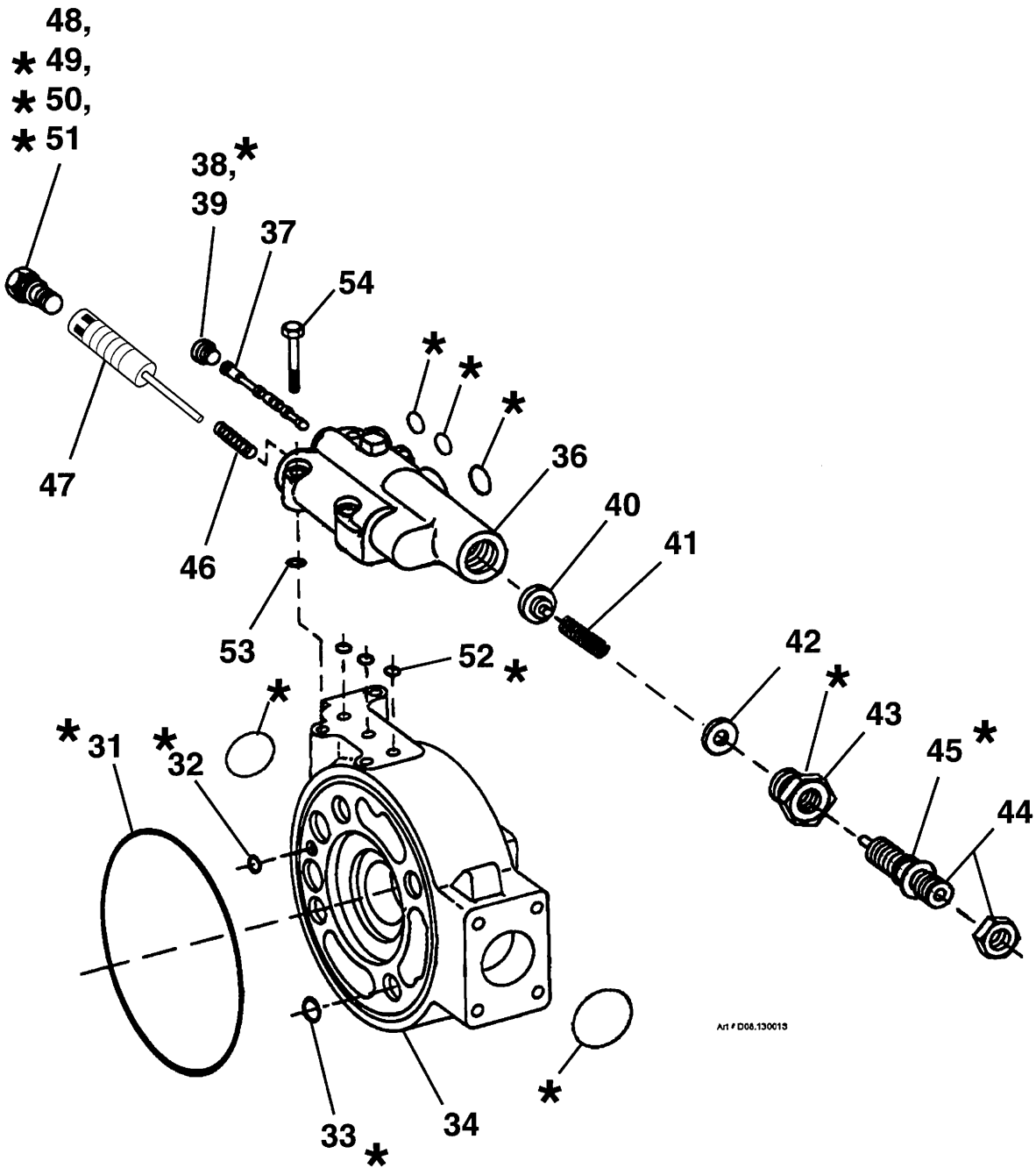


TITLE	HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC. REV. 17 MAR., 1995		PART NO.	PLATE NO. D08.13

ITEM	PART NO
5	01-01870
31	01-01871
32	
33	
34	
35	01-01950
36	
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TITLE HYDF

PLATE NO. D08.1

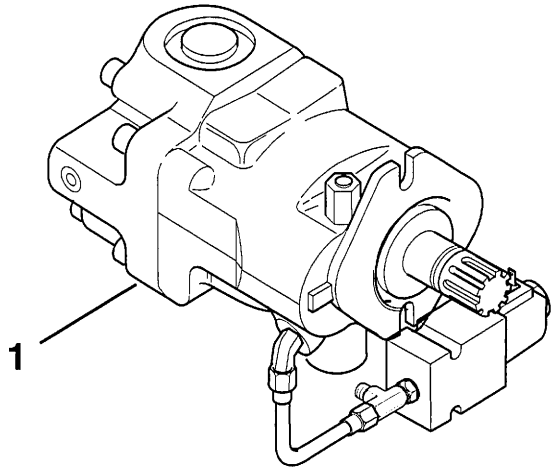


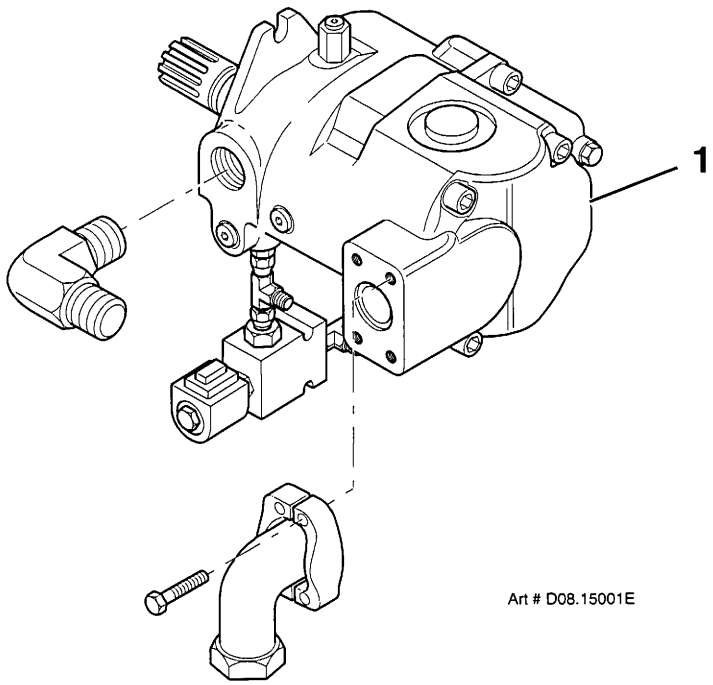
TITLE	HYDRAULIC PUMP (UNITIZED CONTROL VALVE) (PLATE 2 OF 2)		
SIMON AERIALS INC. REV. 17 MAR., 1995		PART NO.	PLATE NO. D08.13

PARTS LIST

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

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





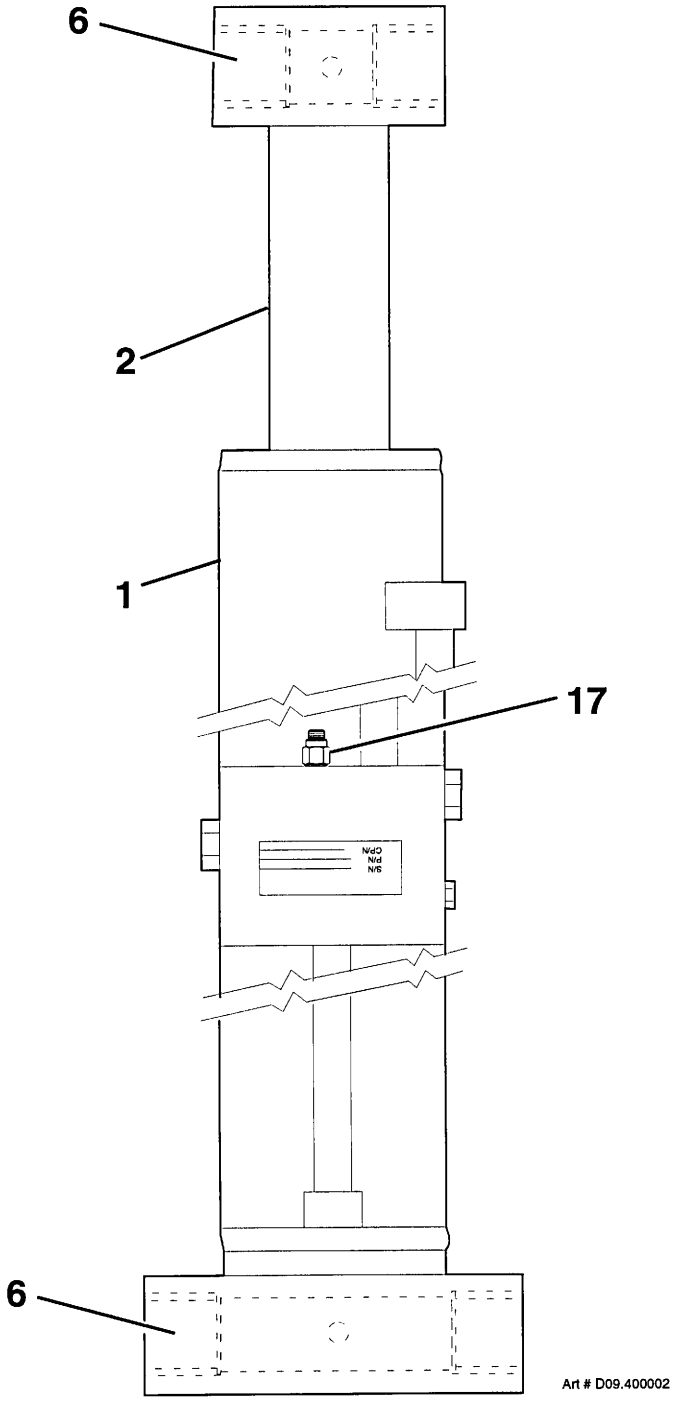
Art # D08.15001E

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

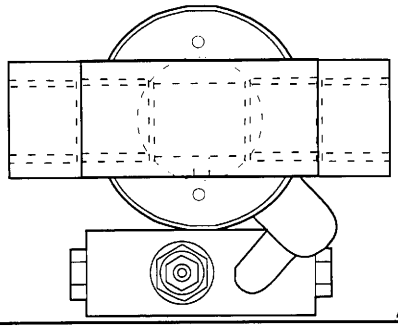
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, PISTON ROD	1
6	04-032906		BUSHING	4
7	04-036001		SEAL KIT (not for use with water-glycol hydraulic fluid)	1
			Note: Items in kit identified by asterisk (*).	
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			"O"-RING	1
13			RING, BACKUP	1
14			"O"-RING	1
15			SEAL, PISTON	1
16			RING, PISTON WEAR	2
17	04-027902		VALVE, COUNTERBALANCE (Holding valve) (stamped **"CBEA-CAN"**) (Factory set at 3000 PSI [206.8 Bar] [211 Kg/ cm^2])	1

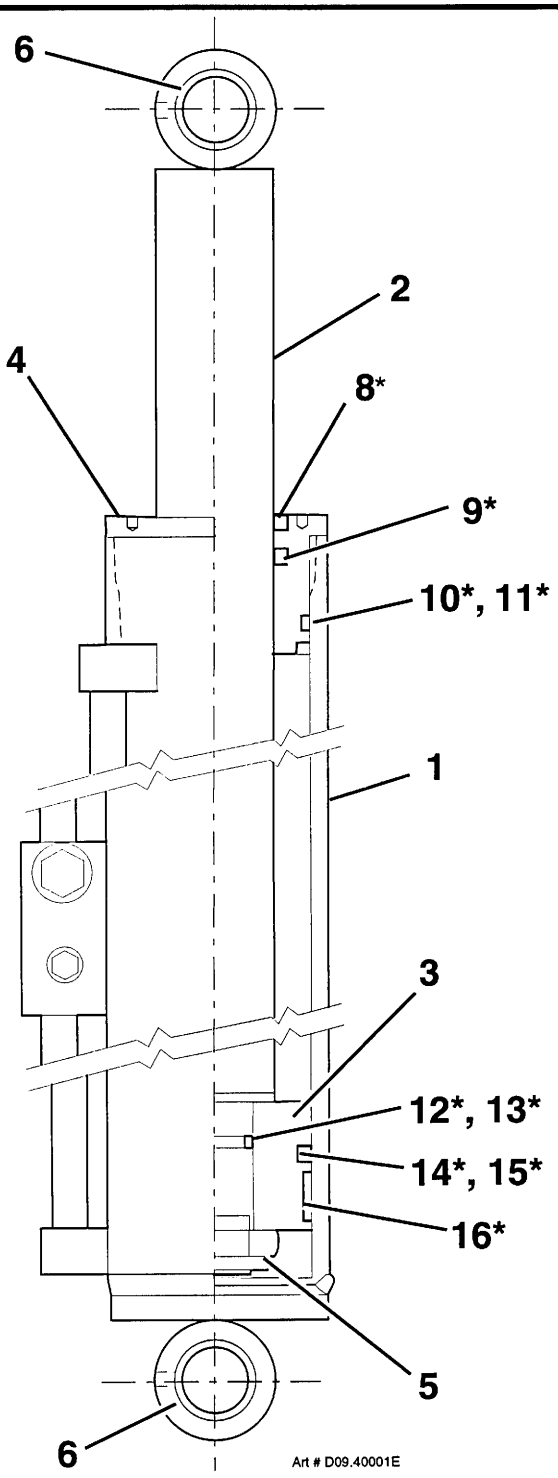
TITLE	LIFT CYLINDER, 48.5" (1.23 M) STROKE			
PLATE NO. D09.41	**SIMON AERIALS INC.**	REV. 15 FEB., 1995	**PART NO.**	04-036000



Art # D09.400002



Art # D09.40003E



Art # D09.40001E

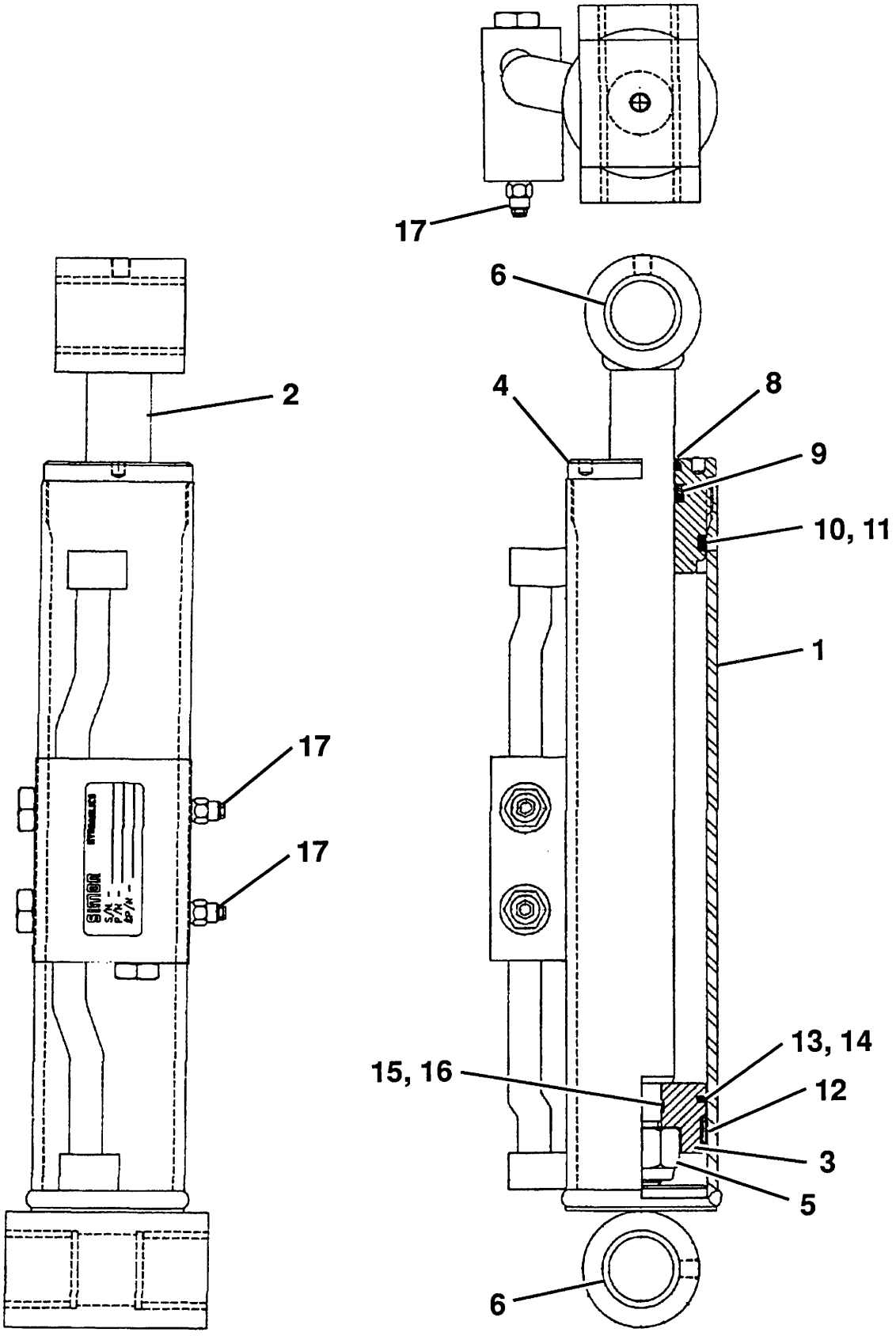
Note:
67.5" (1.71 M) fully retracted,
116" (2.95 M) fully extended (ref.)

TITLE	LIFT CYLINDER, 48.5" (1.23 M) STROKE		
SIMON AERIALS INC. REV. 15 FEB., 1995		PART NO. 04-036000	PLATE NO. D09.41

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032600SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4	04-032604		GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17	04-028202		CARTRIDGE, HOLDING VALVE	2
18	04-028204		SEAL KIT, HOLDING VALVE	1

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

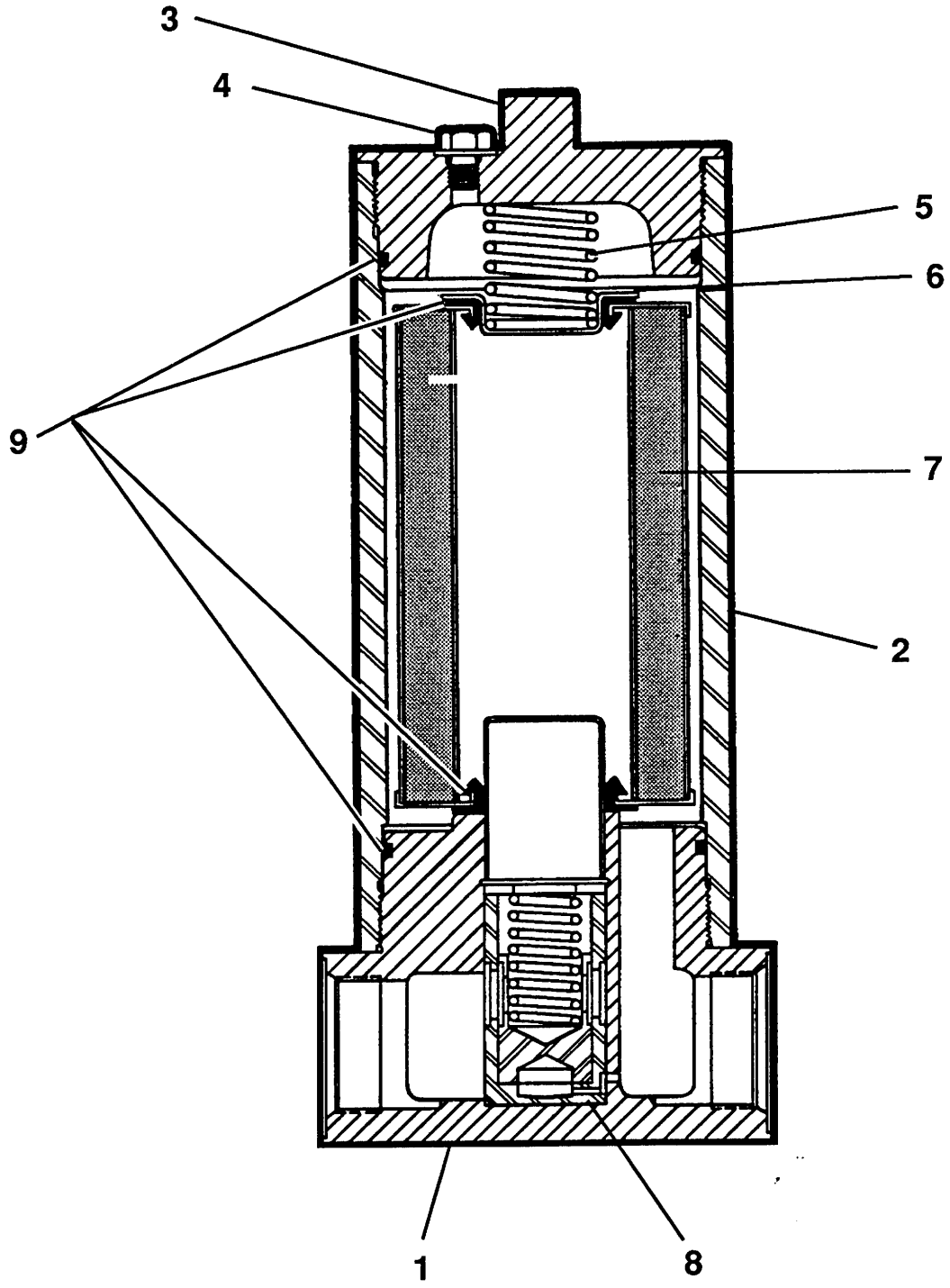


TITLE	MASTER LEVEL CYLINDER, 10" (.25 M) STROKE		
SIMON AERIALS INC.	NEW 03 DEC., 1992	PART NO. 04-032600	PLATE NO. D10.101

PARTS LIST

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

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

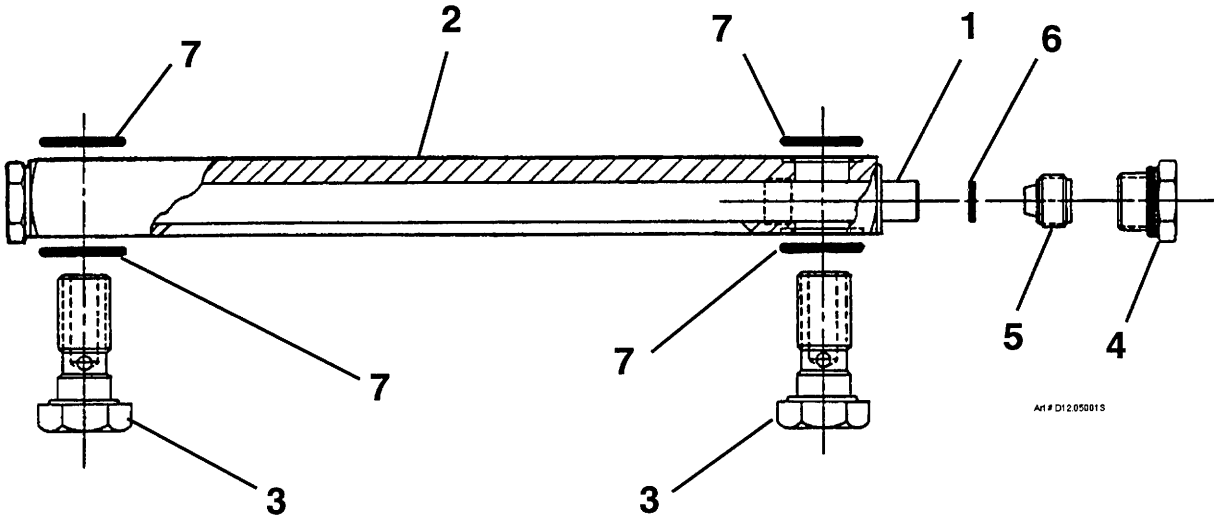


TITLE	HIGH PRESSURE FILTER	
SIMON AERIALS INC. REV. 06/25/91	PART NO. 01-014000	PLATE NO. D11.03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			GLASS, SIGHT	1
2			BODY, SIGHT GAUGE	1
3			BOLT, THRU	2
4			PLUG, O-RING (9/16")	2
5			CAP, INTERNAL	2
6			SEAL, INTERNAL	2
7			O-RING	4

TITLE	SIGHT GAUGE, 14"		
PLATE NO. D12.05	**SIMON AERIALS INC.**	REV. 05/02/91	PART NO. 10-033800



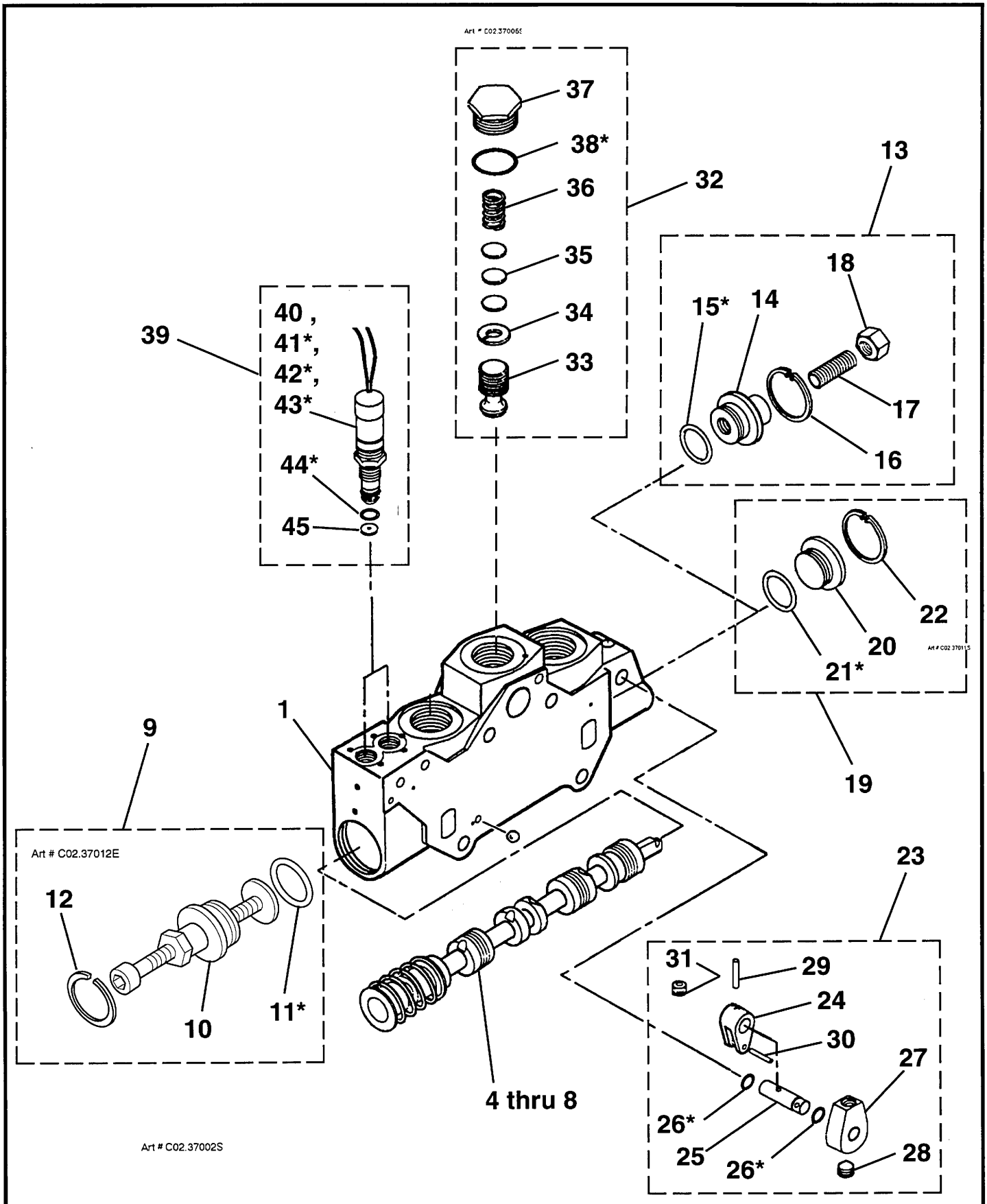
TITLE	SIGHT GAUGE, 14"		
SIMON AERIALS INC. REV. 05/02/91	PART NO. 10-033800	PLATE NO. D12.05	

PARTS LIST

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

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

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



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

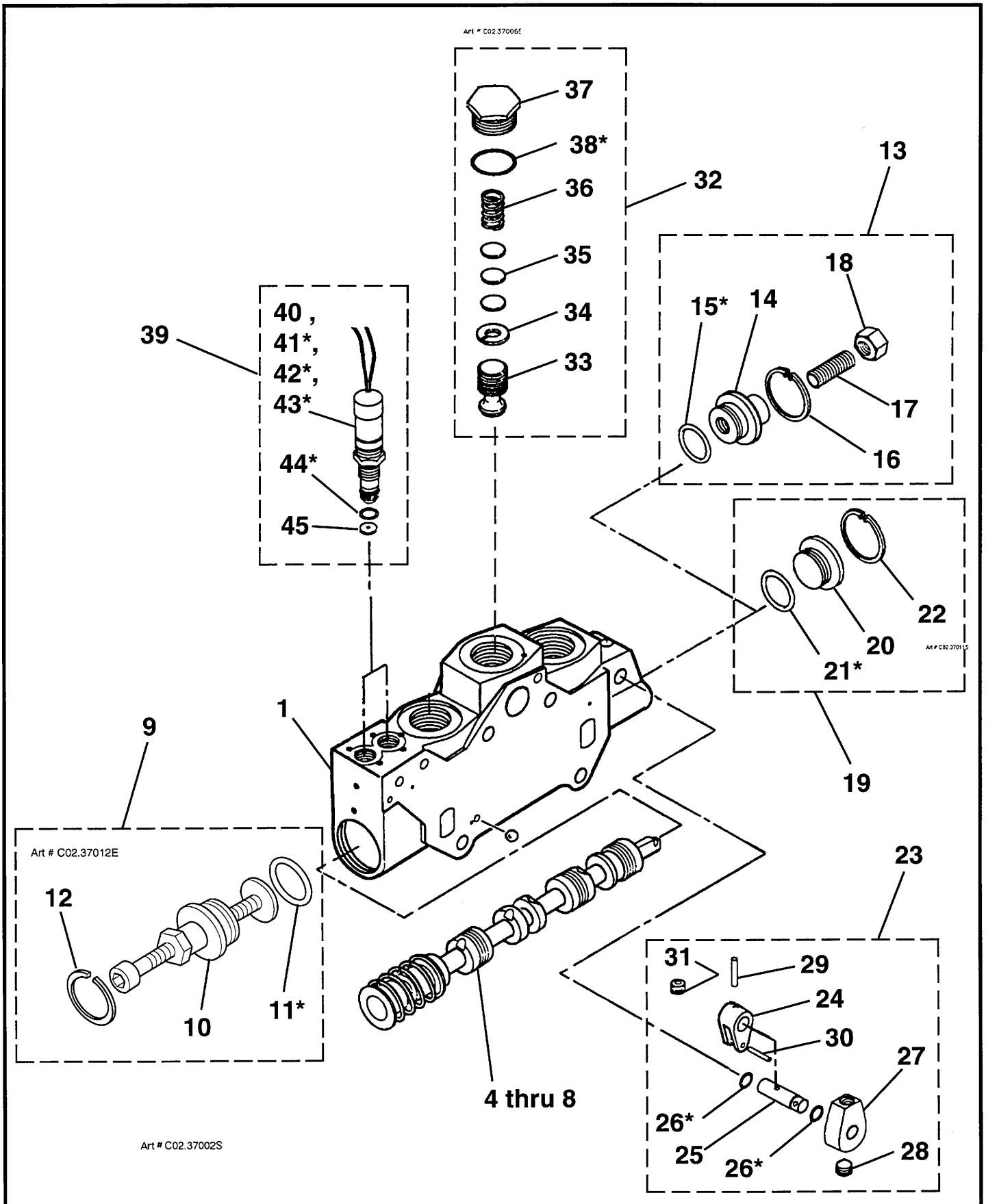
SIMON AERIALS INC.	REV. 16 FEB., 1996	PART NO.	PLATE NO. D13.06

PARTS LIST

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

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

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



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

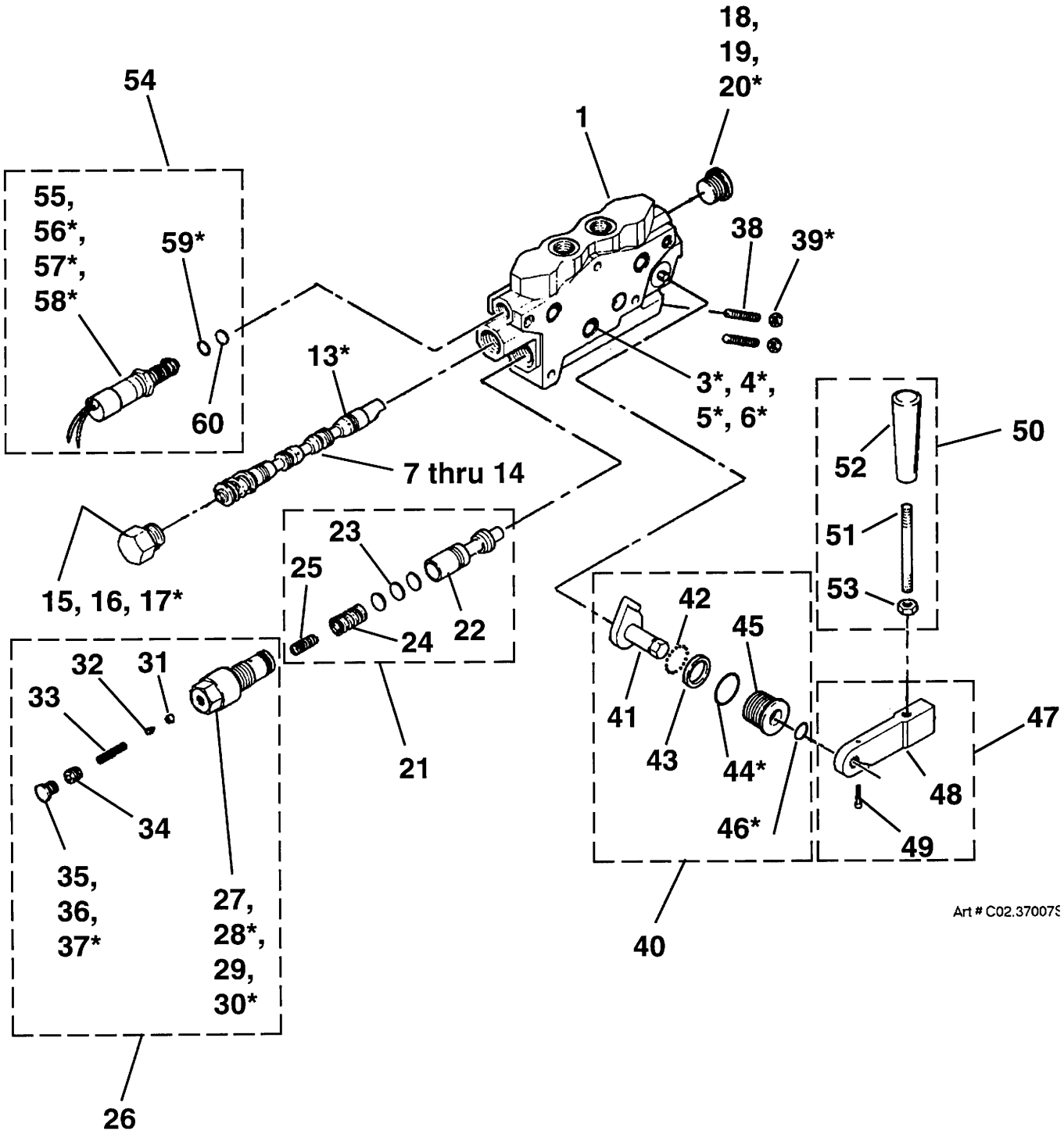
SIMON AERIALS INC.	REV. 16 FEB., 1996	PART NO.	PLATE NO. D13.06

PARTS LIST

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

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

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



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

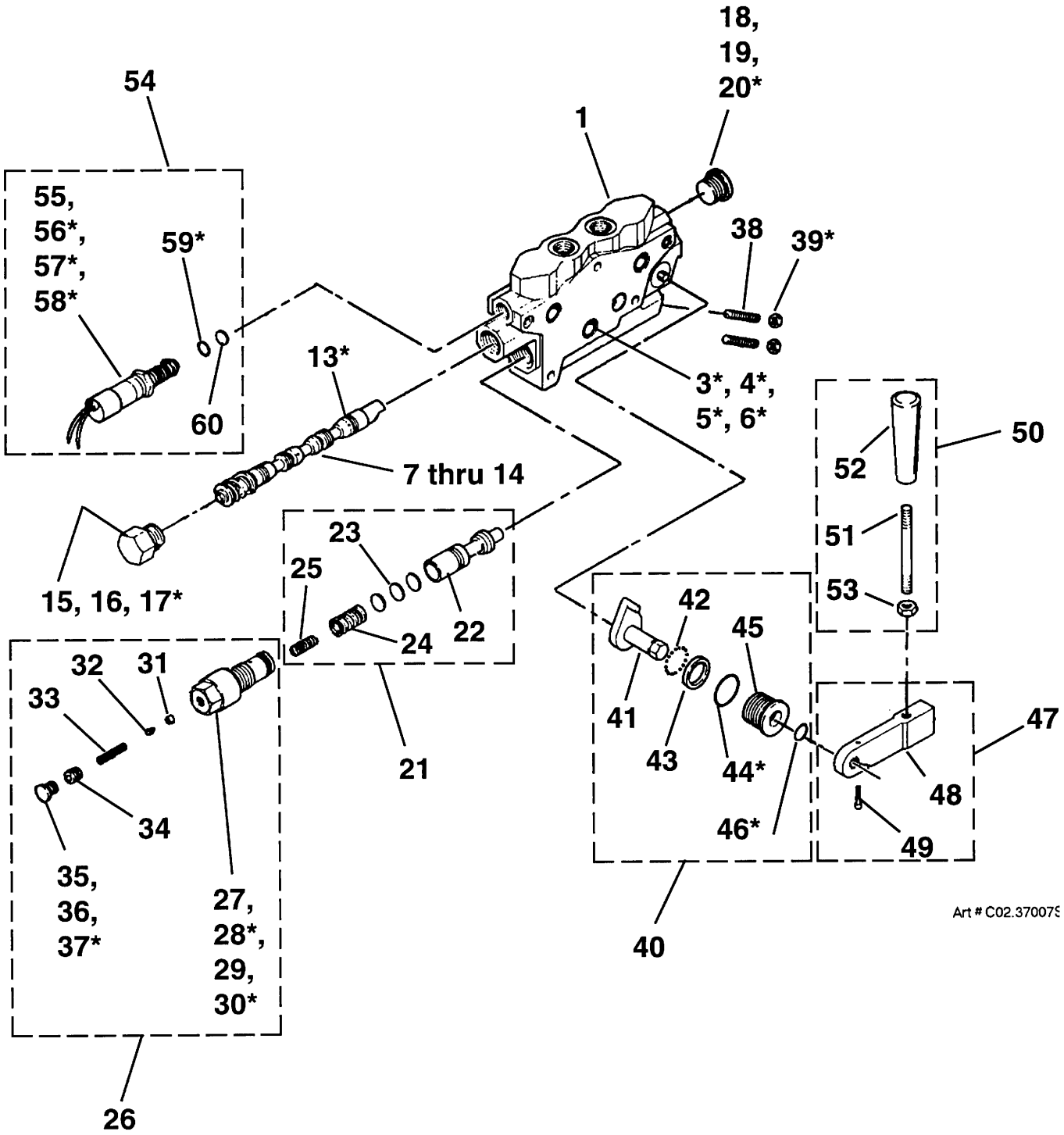
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.07

PARTS LIST

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

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

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



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

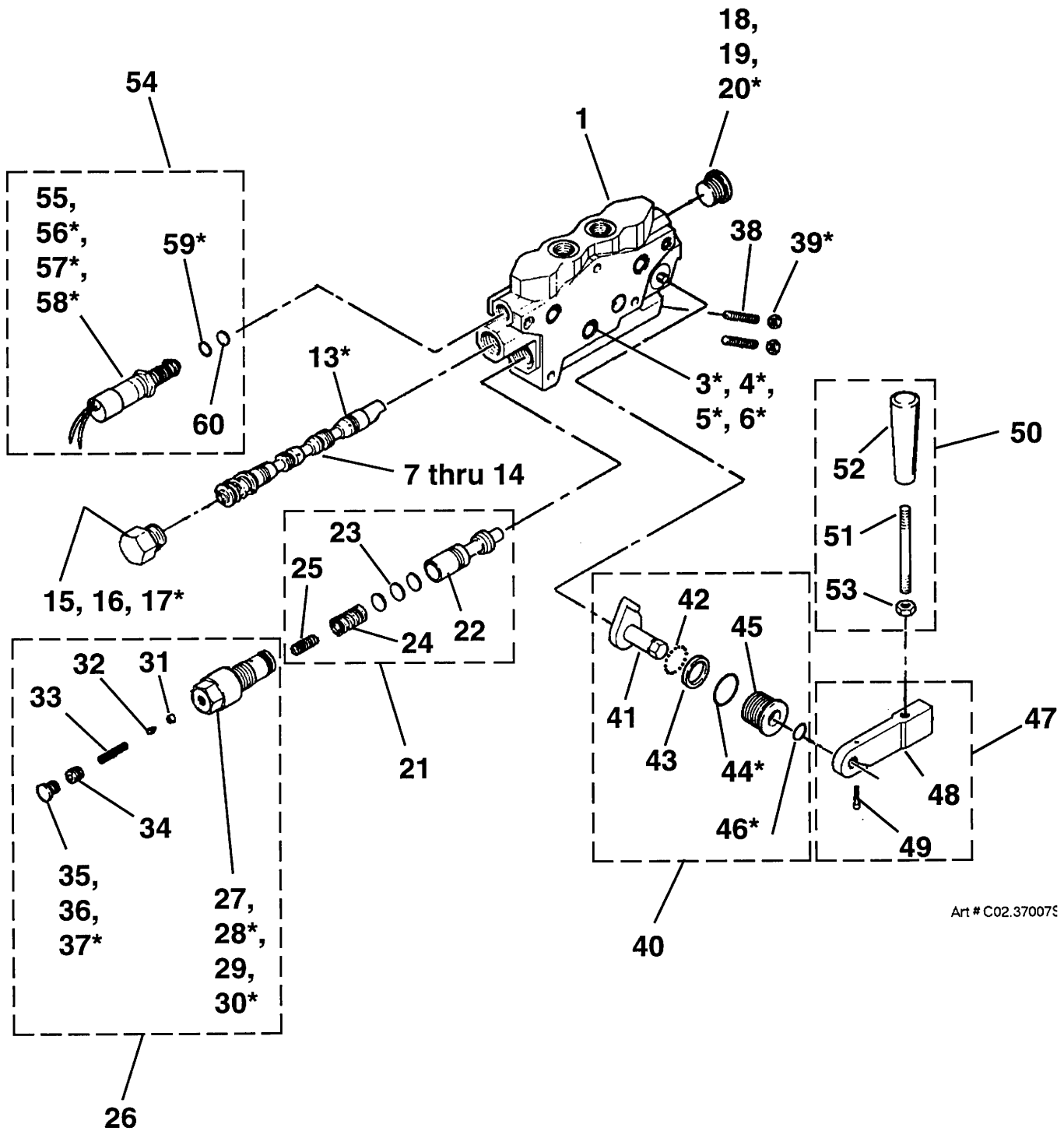
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.07

PARTS LIST

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

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

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



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

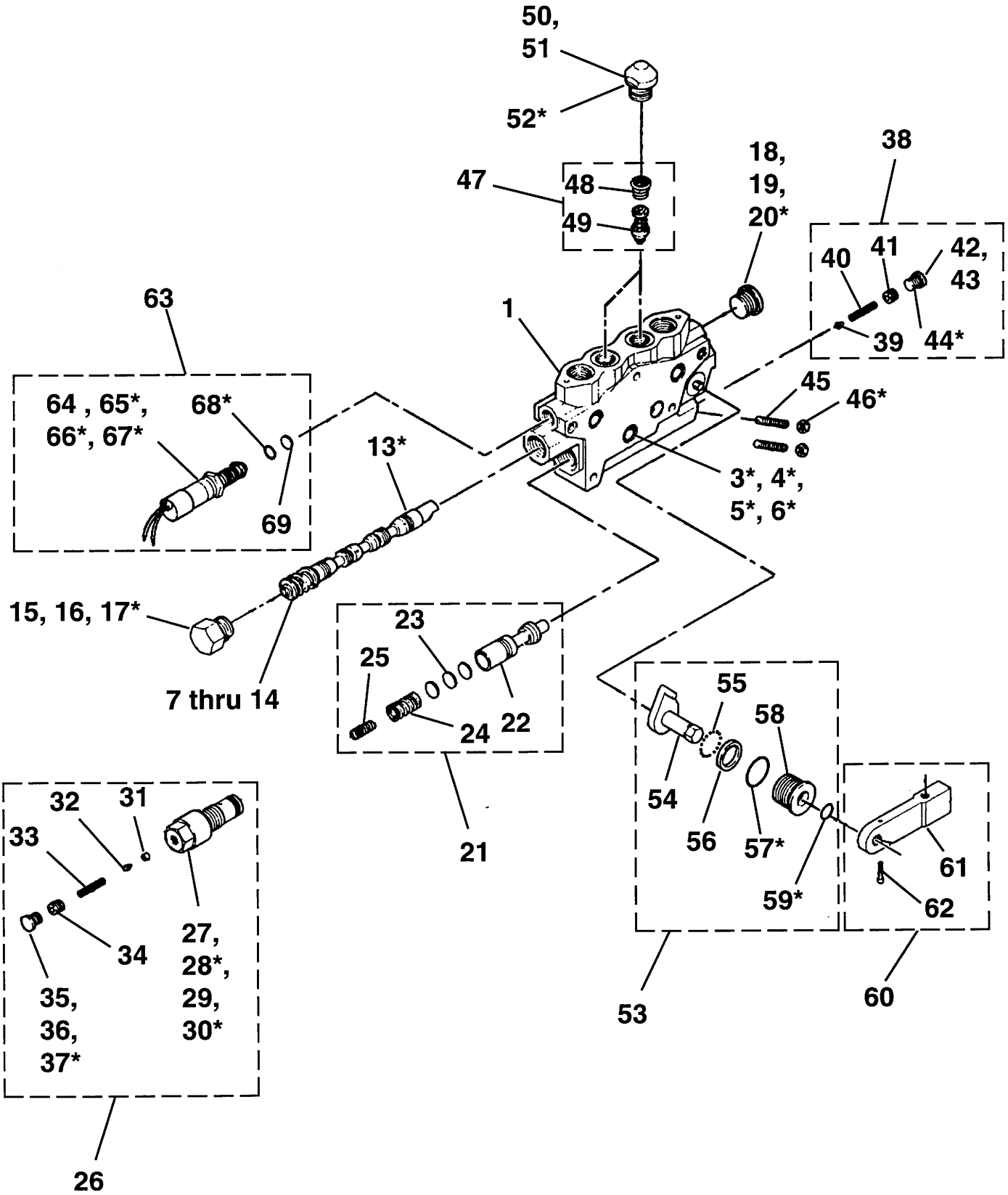
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.07

PARTS LIST

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

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

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



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

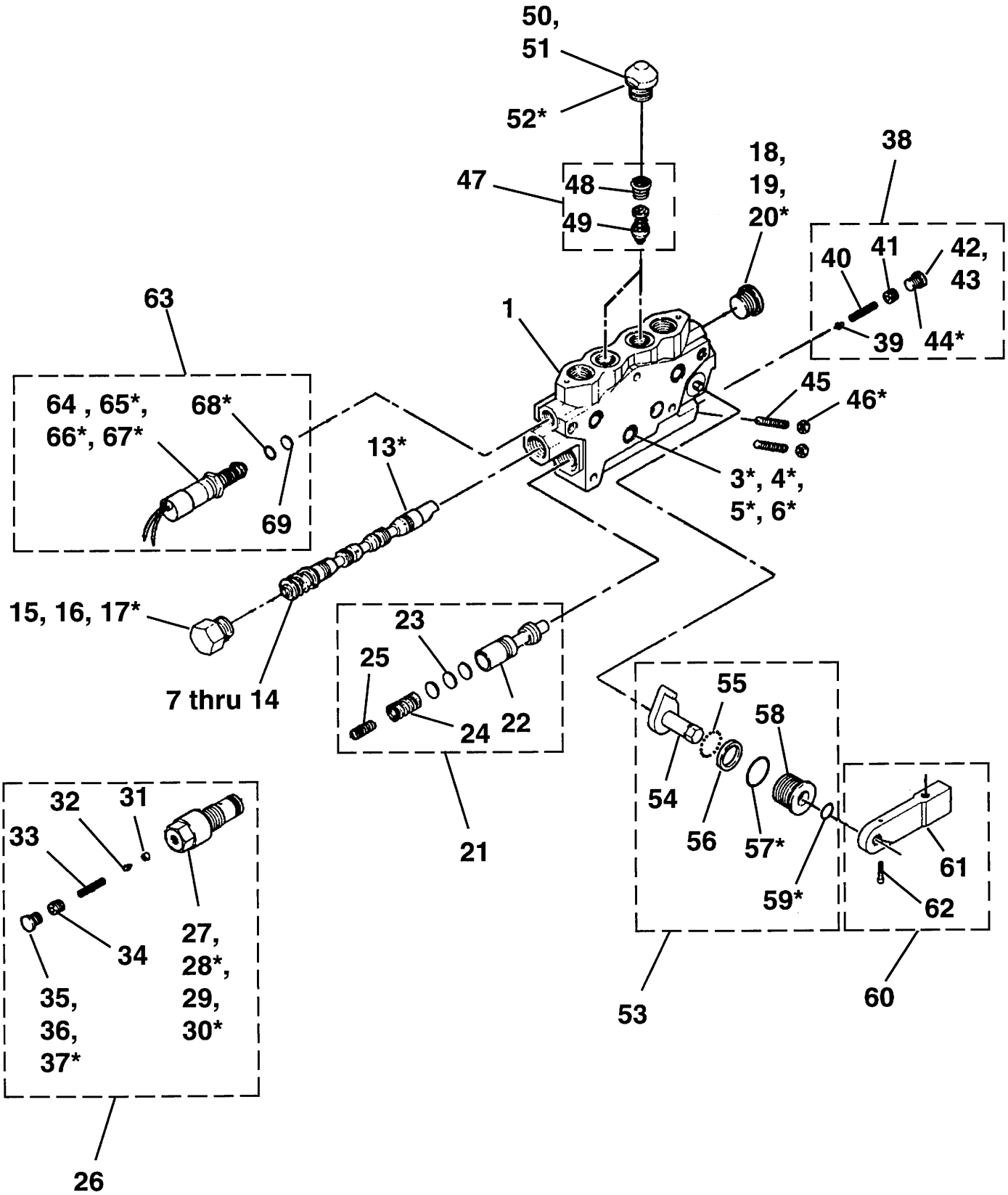
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

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

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

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



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

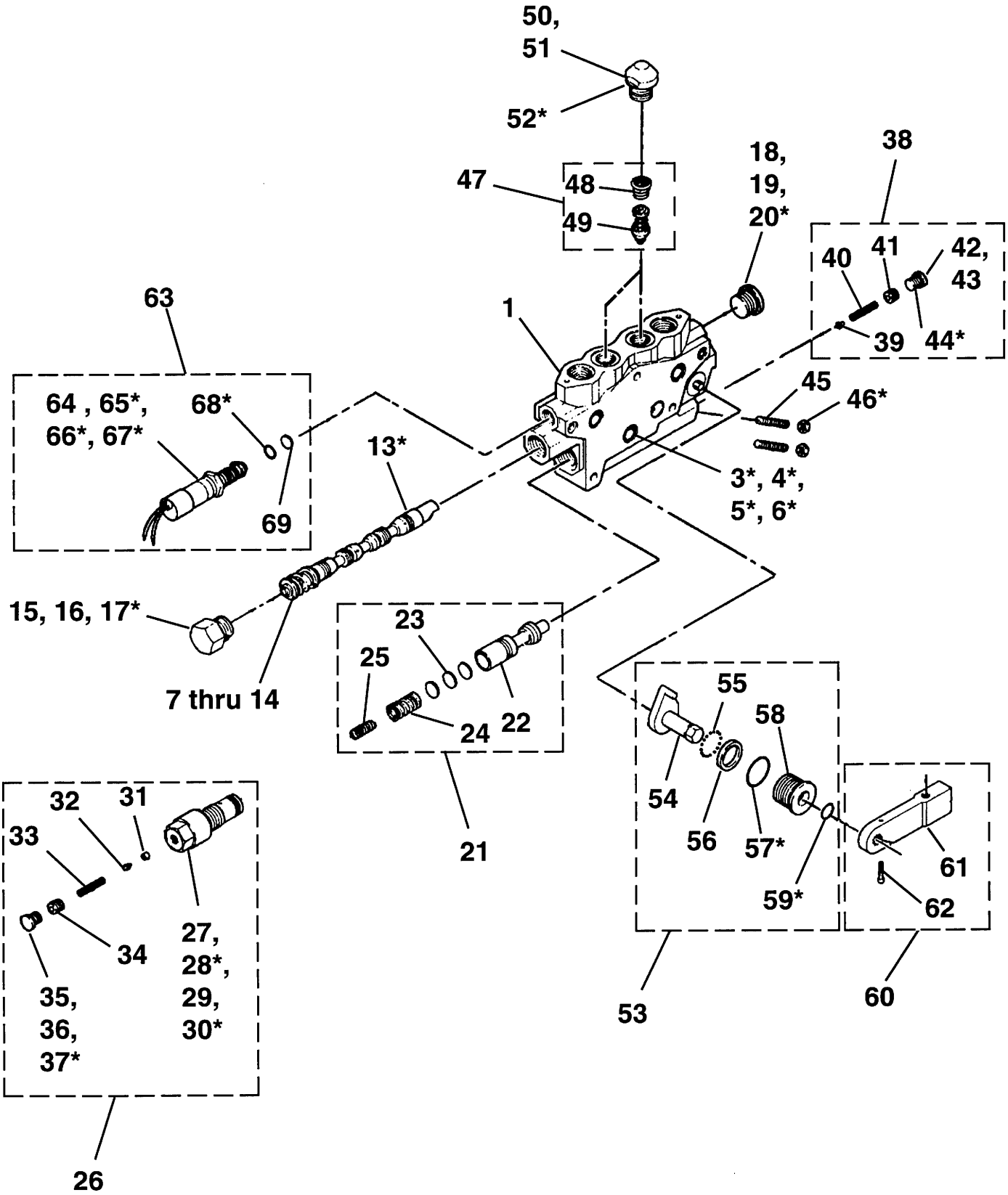
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

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

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

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



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

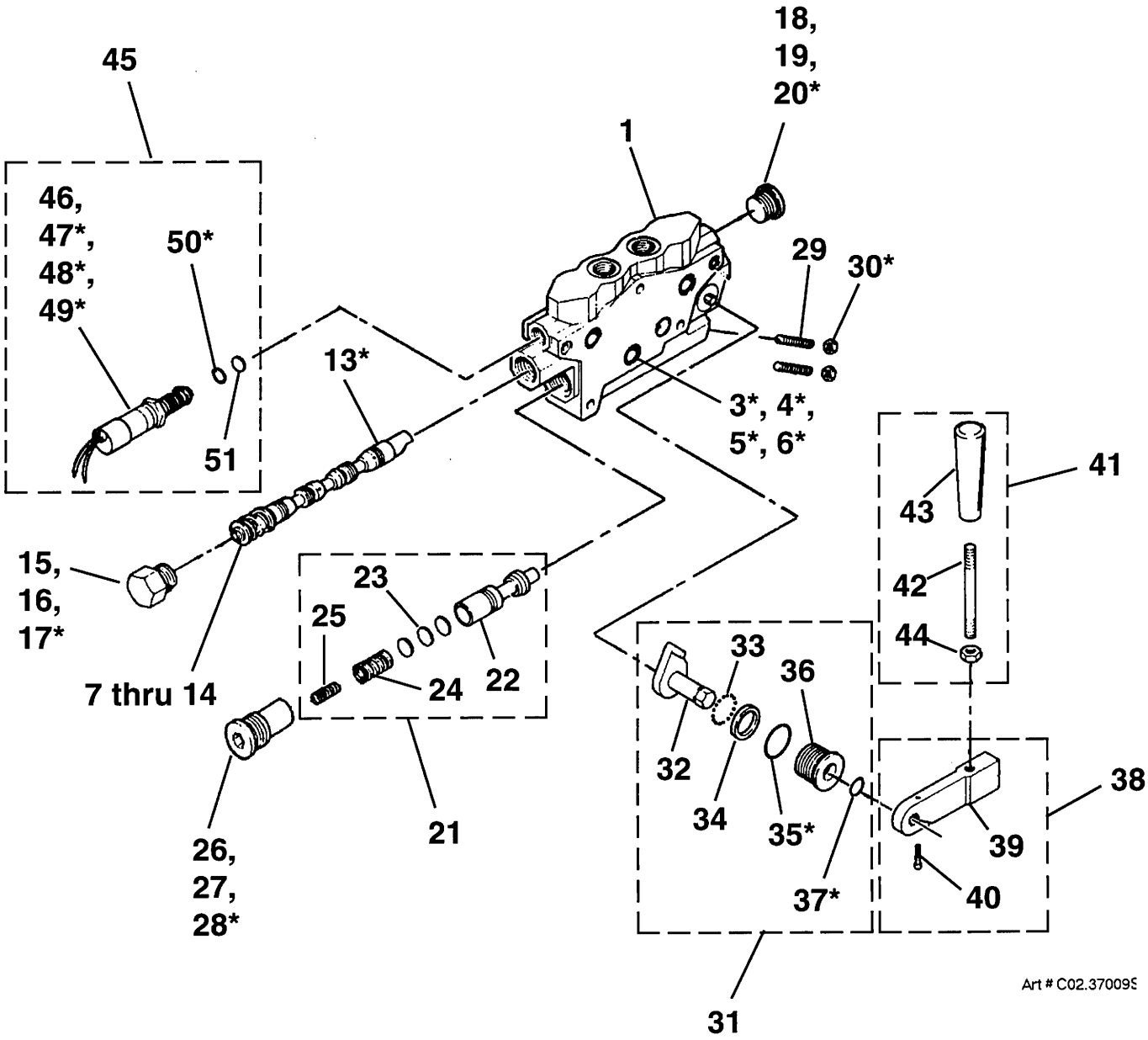
SIMON AERIALS INC. REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.08

PARTS LIST

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

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

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



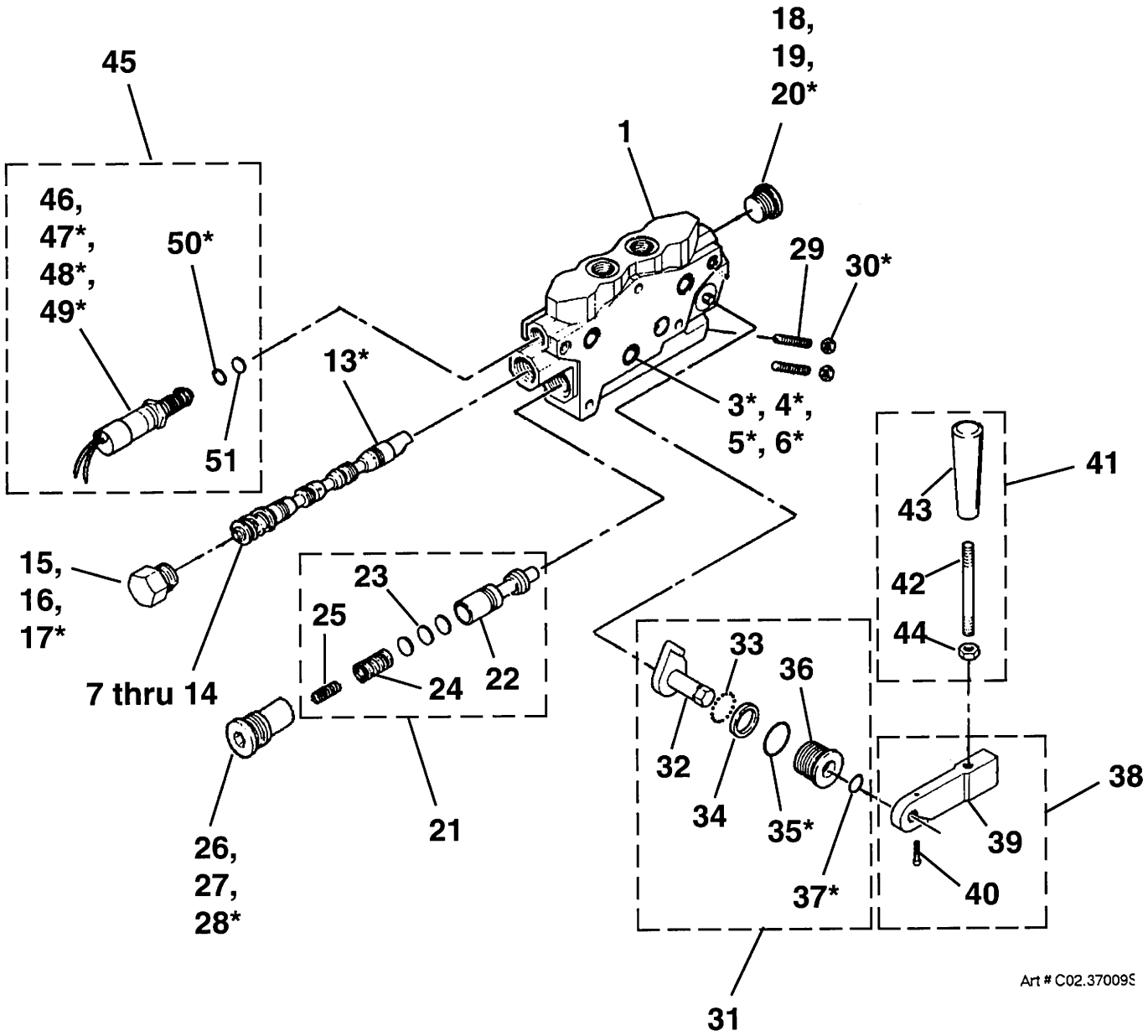
TITLE	BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09

PARTS LIST

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

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

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



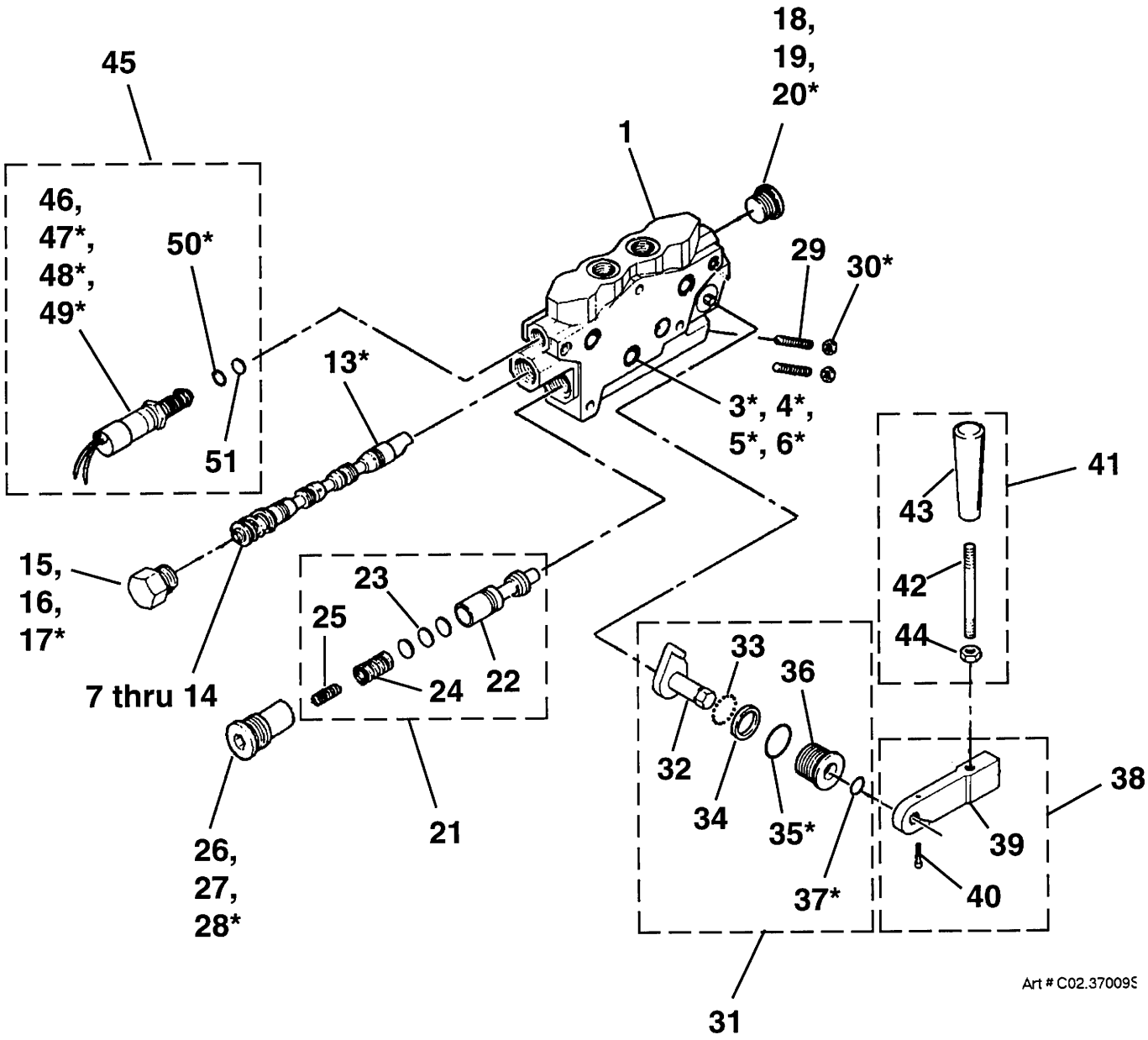
TITLE	BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
45	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
46			SOLENOID, PULSAR (12 Volt)	1
47		*	"O"-RING	1
48		*	SCREEN, SOLENOID FILTER	1
49		*	"O"-RING (special)	2
50		*	"O"-RING	2
51			PLATE, ORIFICE	1

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

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



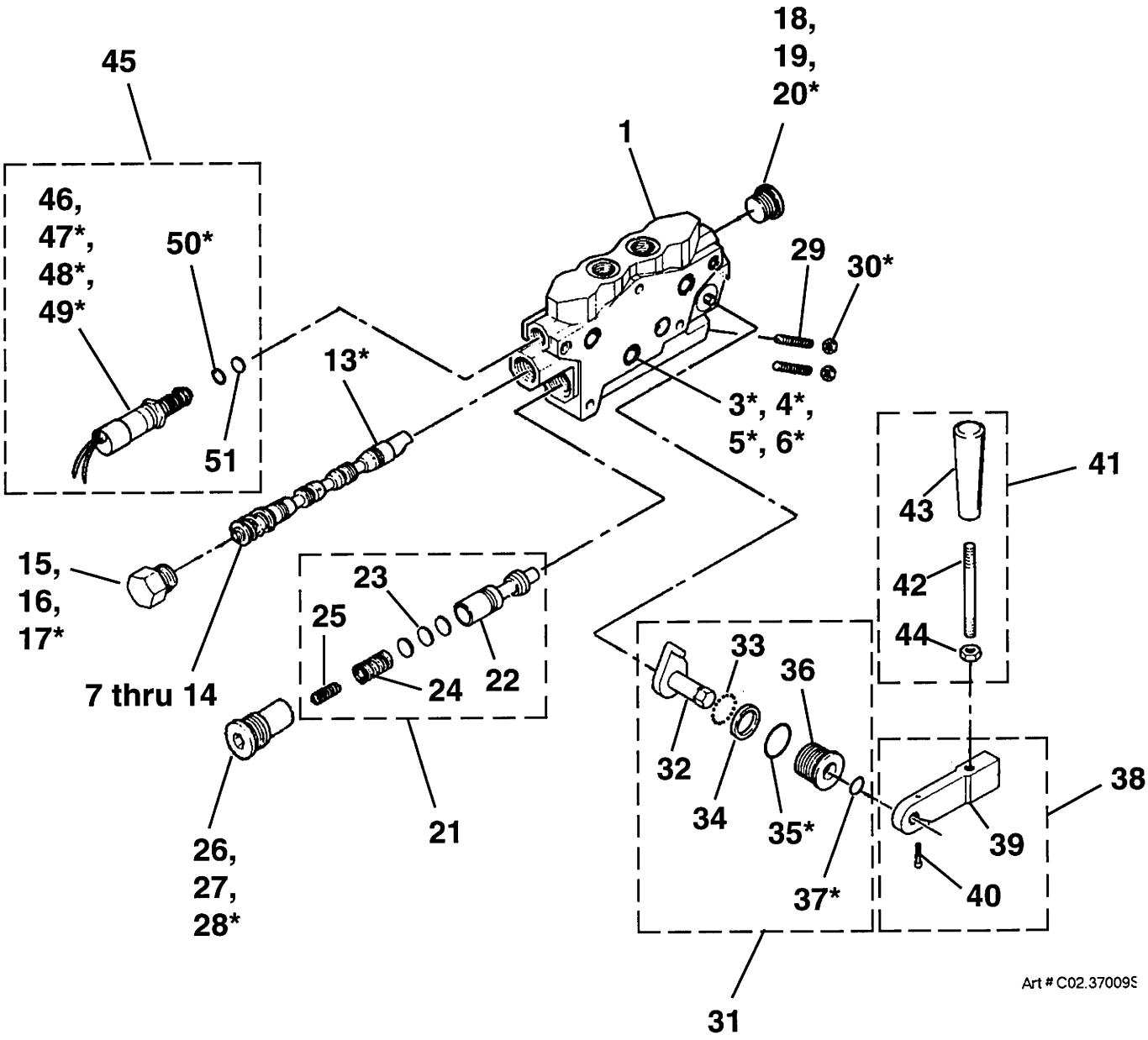
TITLE	BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.09

PARTS LIST

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

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

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



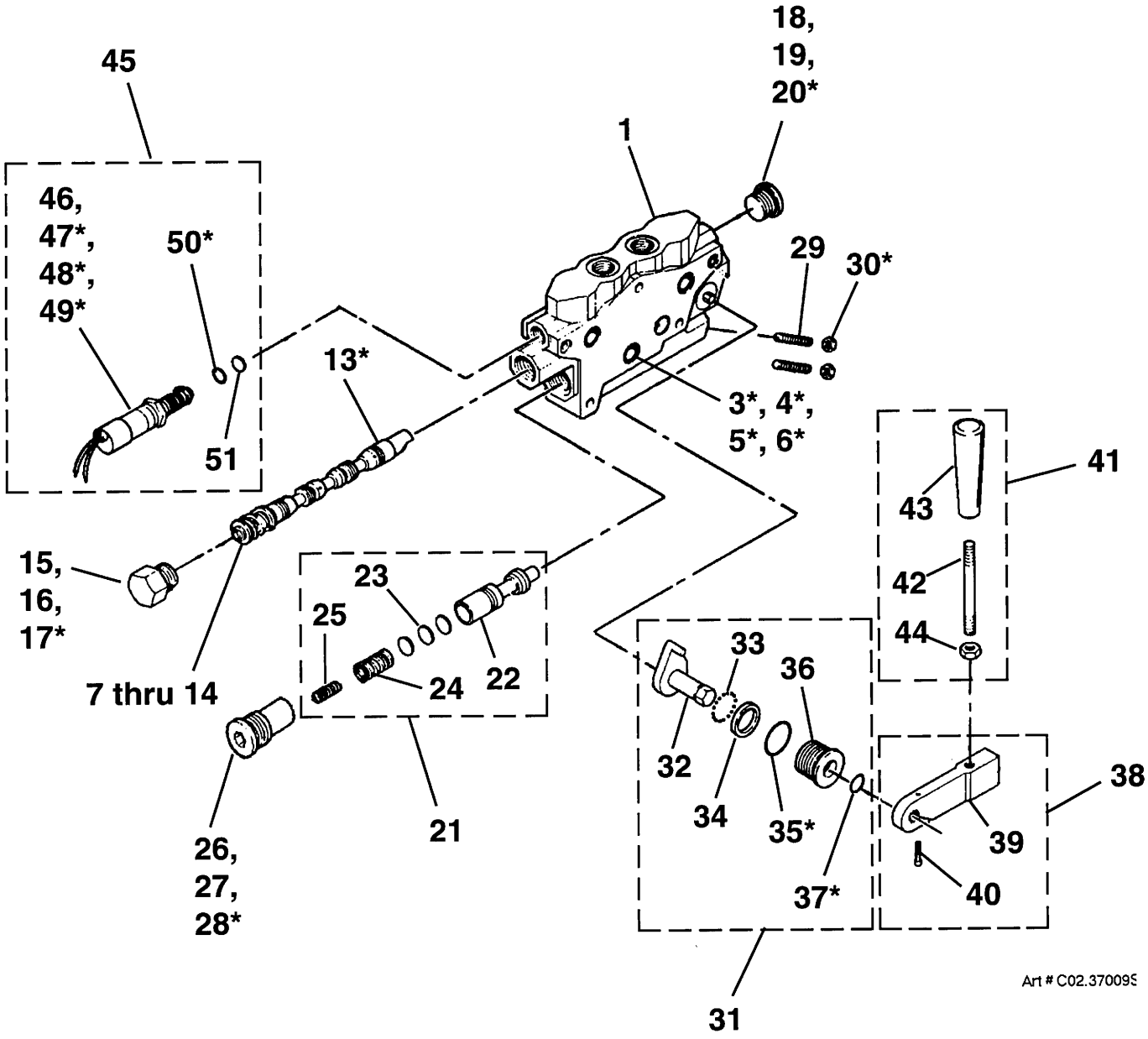
TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (1 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.10

PARTS LIST

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

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

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



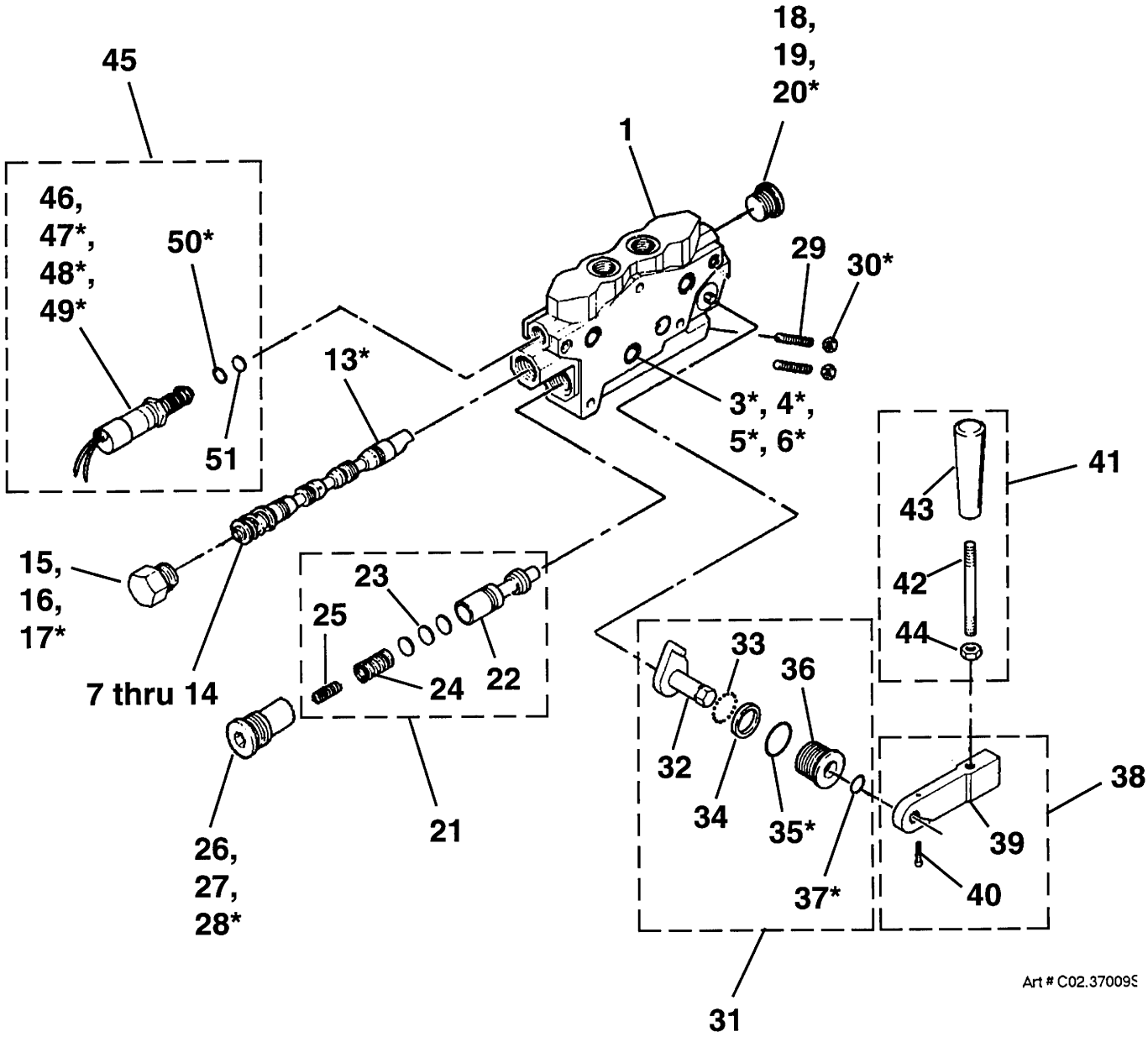
TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (2 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
45	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
46			SOLENOID, PULSAR (12 Volt)	1
47		*	"O"-RING	1
48		*	SCREEN, SOLENOID FILTER	1
49		*	"O"-RING (special)	2
50		*	"O"-RING	2
51			PLATE, ORIFICE	1

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

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



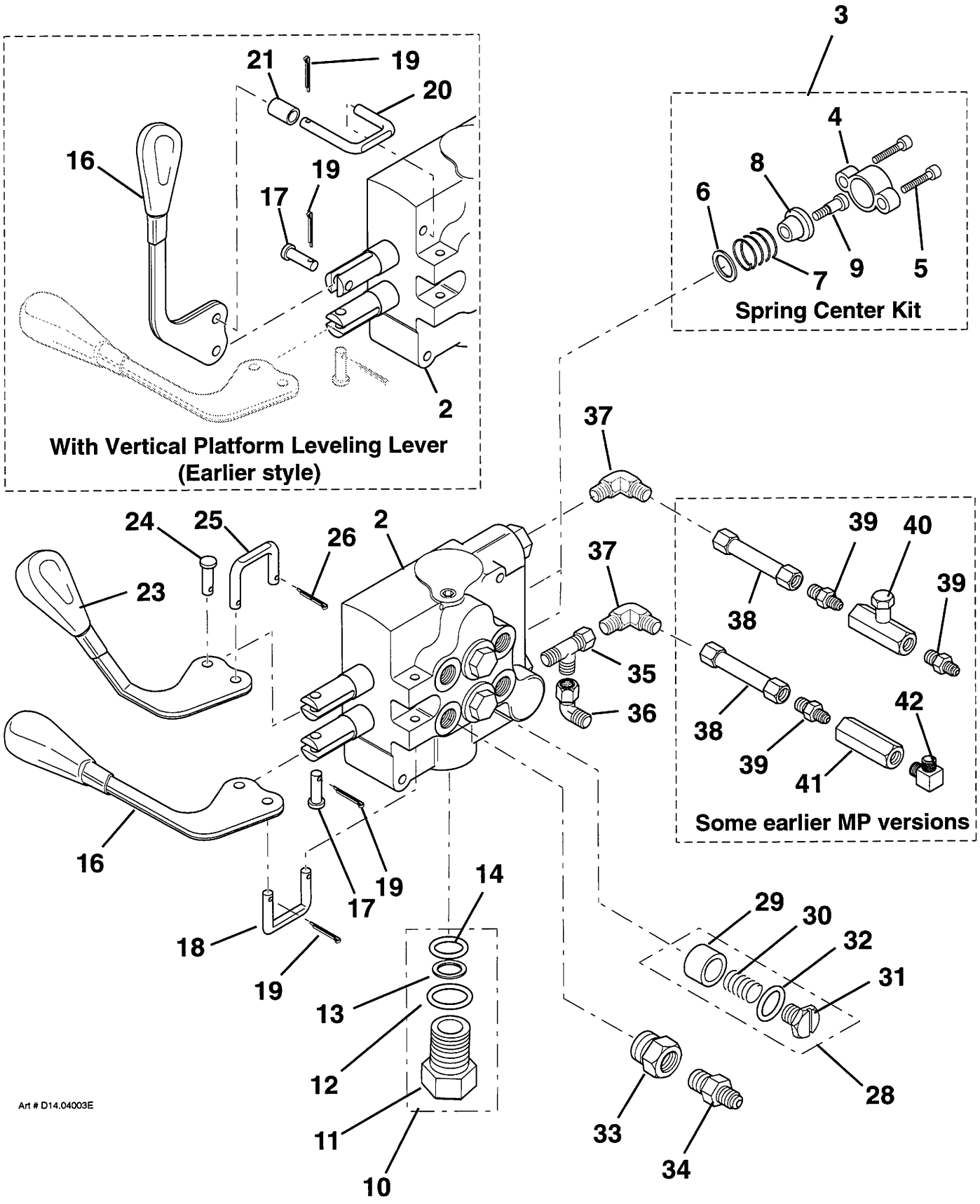
TITLE	SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL,TYPE 2) (3 OF 3)		
SIMON AERIALS INC.	REV. 26 JUL., 1994	PART NO.	PLATE NO. D13.10

PARTS LIST

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

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

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



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

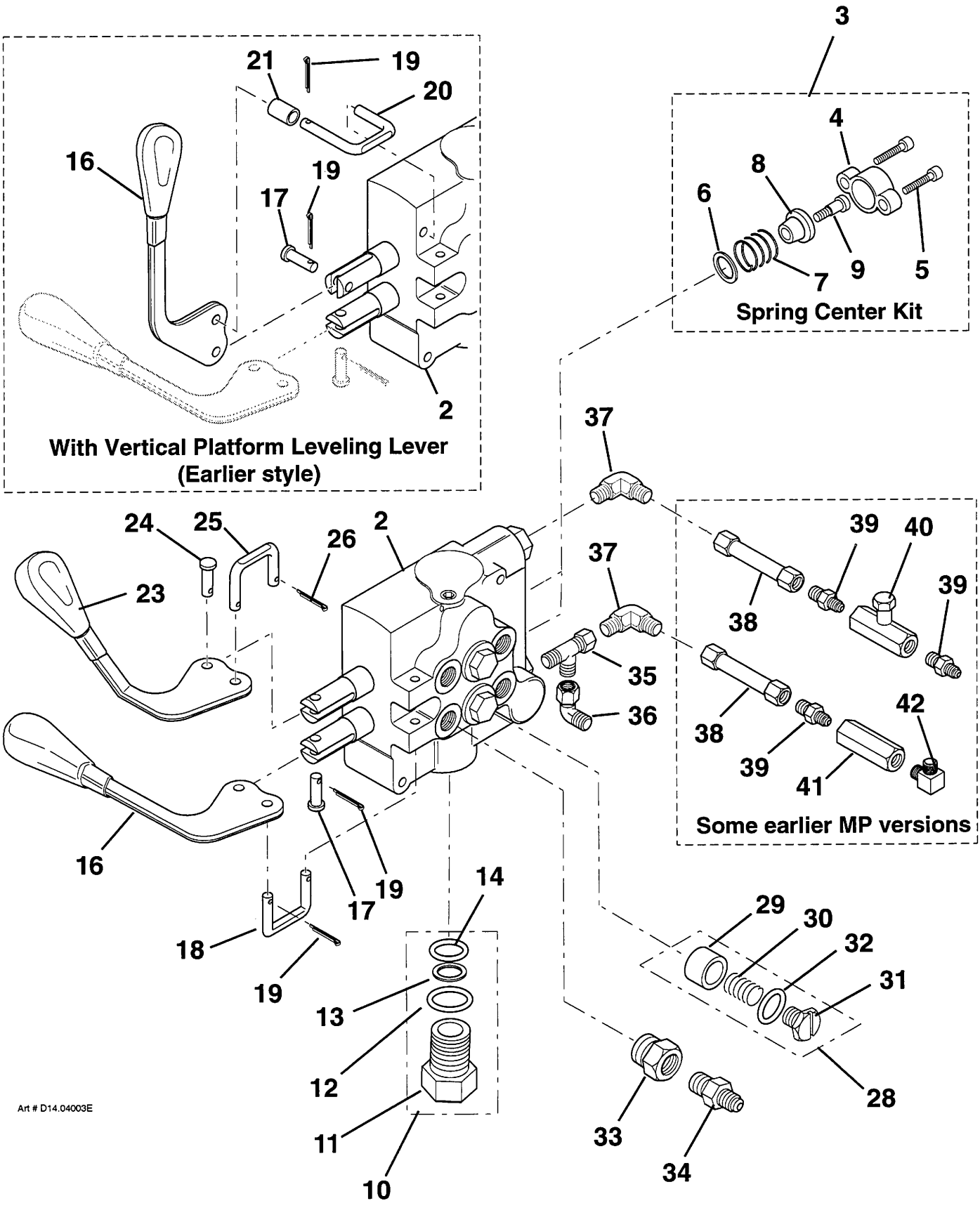
SIMON AERIALS INC.	REV. 29 NOV., 1995	PART NO.	PLATE NO. D14.04

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 *in most applications:*	
43	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
44	07-062014		WASHER, FLAT (1/4")	4
45	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

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

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



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

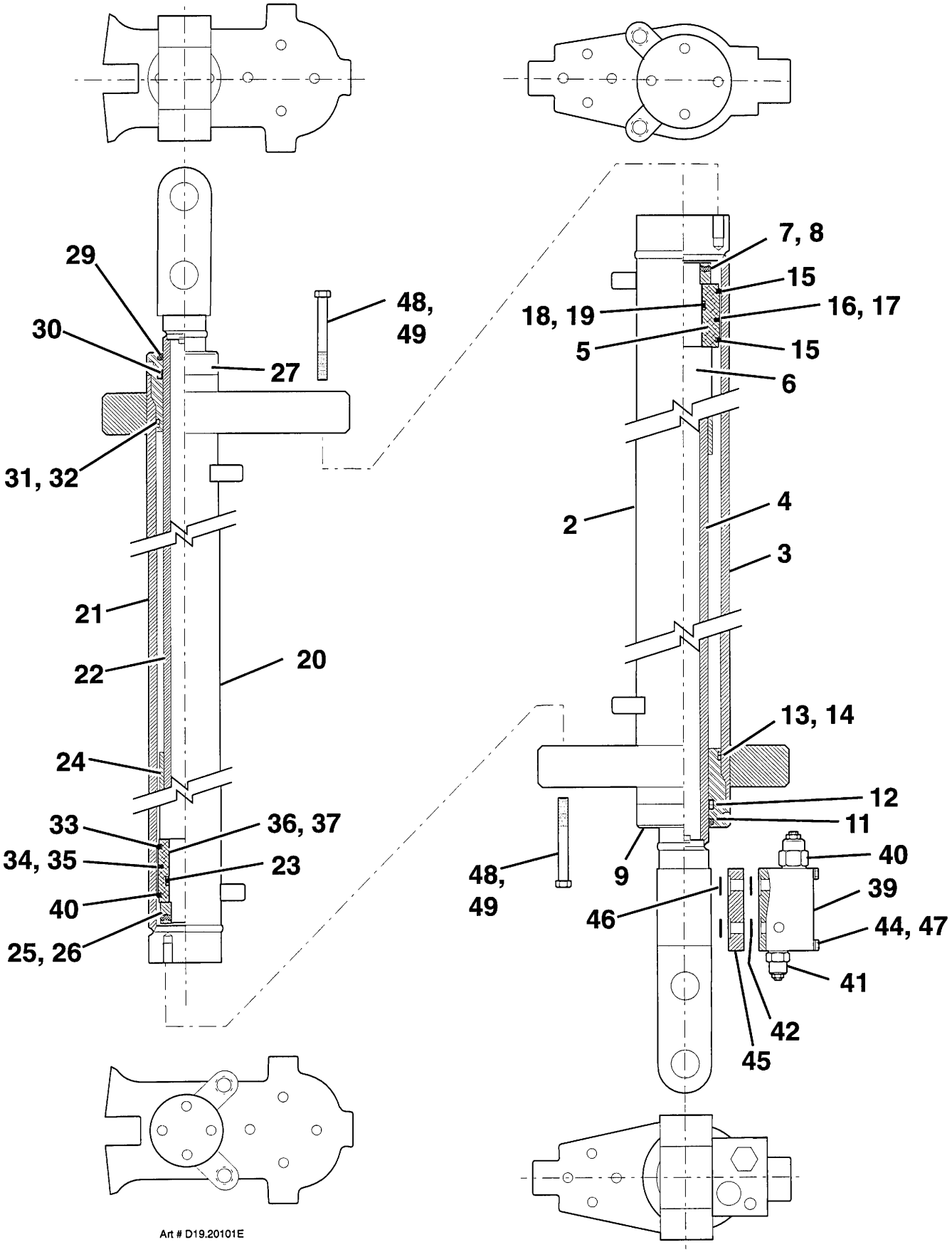
SIMON AERIALS INC. REV. 29 NOV., 1995	PART NO.	PLATE NO. D14.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3536670		TELESCOPE CYLINDER ASSEMBLY	1
1	04-038900		CYLINDER ASSEMBLY, DOUBLE TELESCOPE	1
2	04-038902		CYLINDER ASSEMBLY, MID BOOM TELESCOPE [**3" bore** (3-1/2" case O.D.), 180" stroke]	1
3			CASE, MID BOOM TELESCOPE	1
4			ROD, MID BOOM TELESCOPE CYLINDER	1
5			PISTON, MID BOOM TELESCOPE CYLINDER	1
6			SPACER	1
7			NUT, BUTTRESS RING (1-3/4"-12)	1
8			SET SCREW, SOCKET HEAD	1
9			GLAND, HEAD (Mid boom telescope cylinder)	1
10	04-038901		SEAL KIT, MID BOOM TELESCOPE CYLINDER	1
11			WIPER, ROD	1
12			SEAL, ROD	1
13			"O"-RING	1
14			RING, BACKUP	1
15			RING, PISTON WEAR	2
16			"O"-RING	1
17			SEAL, PISTON	1
18			"O"-RING	1
19			WASHER, BACKUP	2
20	04-038904		CYLINDER ASSEMBLY, TIP BOOM TELESCOPE [**2-1/2" bore** (3" case O.D.), 180" stroke]	1
21			CASE, TIP BOOM TELESCOPE	1
22			ROD, TIP BOOM TELESCOPE CYLINDER	1
23			PISTON, TIP BOOM TELESCOPE CYLINDER	1
24			SPACER	1
25			NUT, BUTTRESS RING (1-9/16"-12)	1
26			SET SCREW, SOCKET HEAD	1
27			GLAND, HEAD (Tip boom telescope cylinder)	1
28	04-038903		SEAL KIT, TIP BOOM TELESCOPE CYLINDER	1
29			WIPER, ROD	1
30			SEAL, ROD	1
31			"O"-RING	1
32			RING, BACKUP	1
33			RING, PISTON WEAR	2
34			"O"-RING	1
35			SEAL, PISTON	1
36			"O"-RING	1
37			WASHER, BACKUP	2

TITLE TELESCOPE CYLINDER ASSEMBLY, RP 66 "REACH PLUS" (PLATE 1 OF 2)

PLATE NO.			PART NO.
D19.201	**SIMON AERIALS INC.**	NEW. 26 JUL., 1994	3536670



TITLE TELESCOPE CYLINDER ASSEMBLY, RP 66 "REACH PLUS" (PLATE 1 OF 2)

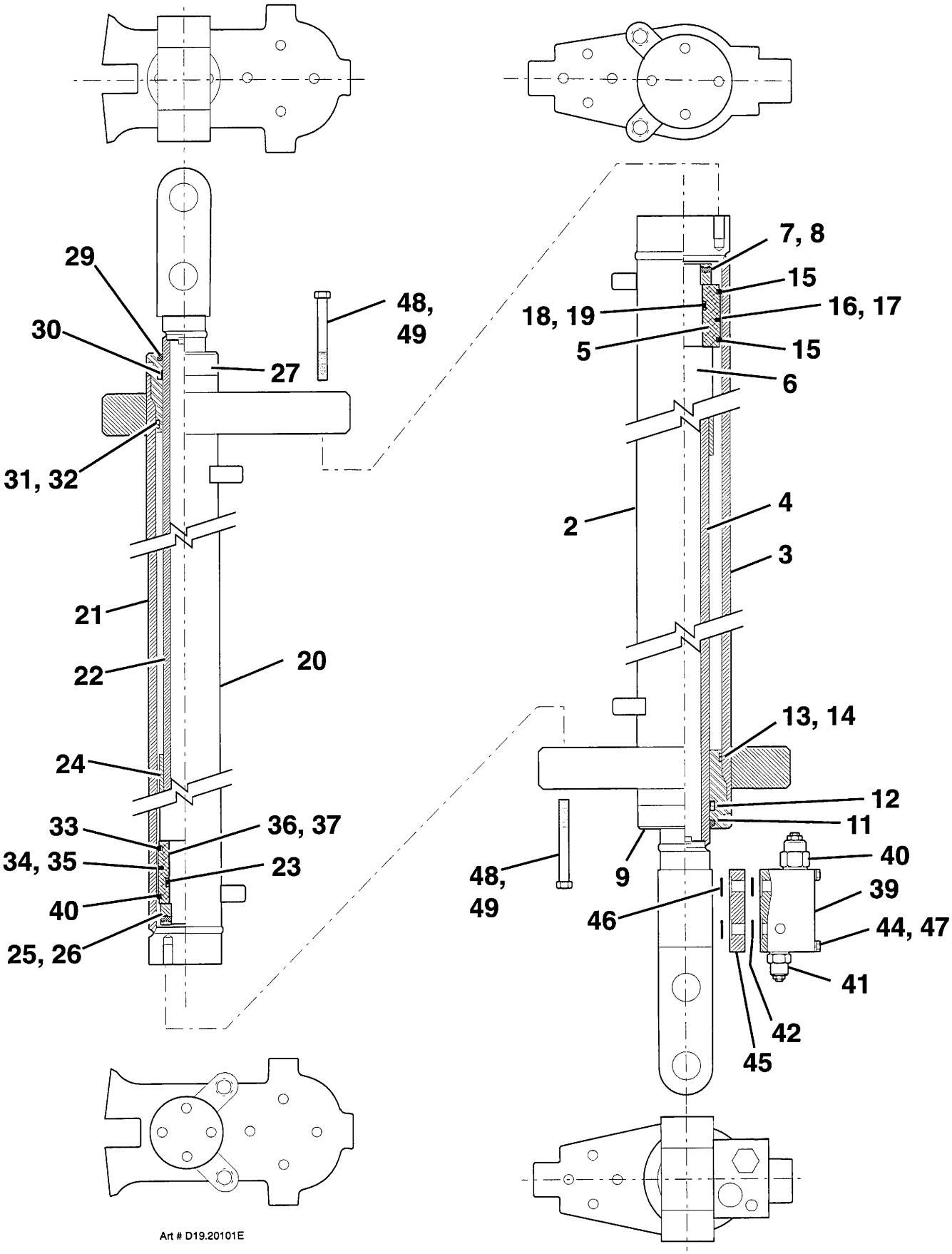
SIMON AERIALS INC.	NEW. 26 JUL., 1994	PART NO. 3536670	PLATE NO. D19.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
38	01-226300		COUNTERBALANCE VALVE KIT	1
39			BLOCK, VALVE	1
40			VALVE, COUNTERBALANCE (Retract)	
	04-036502		(set at 4000 PSI [276 Bar] [281 Kg/ cm^2])	
			(valve is marked "**CBEA**-LHN")	1
41			VALVE, COUNTERBALANCE (Extend)	
	04-035103		(set at 1200 PSI [82.8 Bar] [84.4 Kg/ cm^2])	
			(valve is marked "**CWCA**-LHN")	1
42			"O"-RING	2
43			CAP SCREW, HEX HEAD (1/4"-20 x 3")	
			(Part of kit, not used. Replace with Item 47, below)	4
44			WASHER, LOCK	4
45	2324440		BLOCK, COUNTERBALANCE VALVE ADAPTER	1
46			"O"-RING	2
47	07-003017		CAP SCREW, HEX HEAD (1/4"-20 x 4", Grade 5)	4
48	04-038905		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/2", Grade 8)	8
49	07-065018		WASHER, HELICAL LOCK (1/2")	8

TITLE TELESCOPE CYLINDER ASSEMBLY, RP 66 "REACH PLUS" (PLATE 2 OF 2)

PLATE NO.	SIMON AERIALS INC.	PART NO.
D19.201	NEW. 26 JUL., 1994	3536670



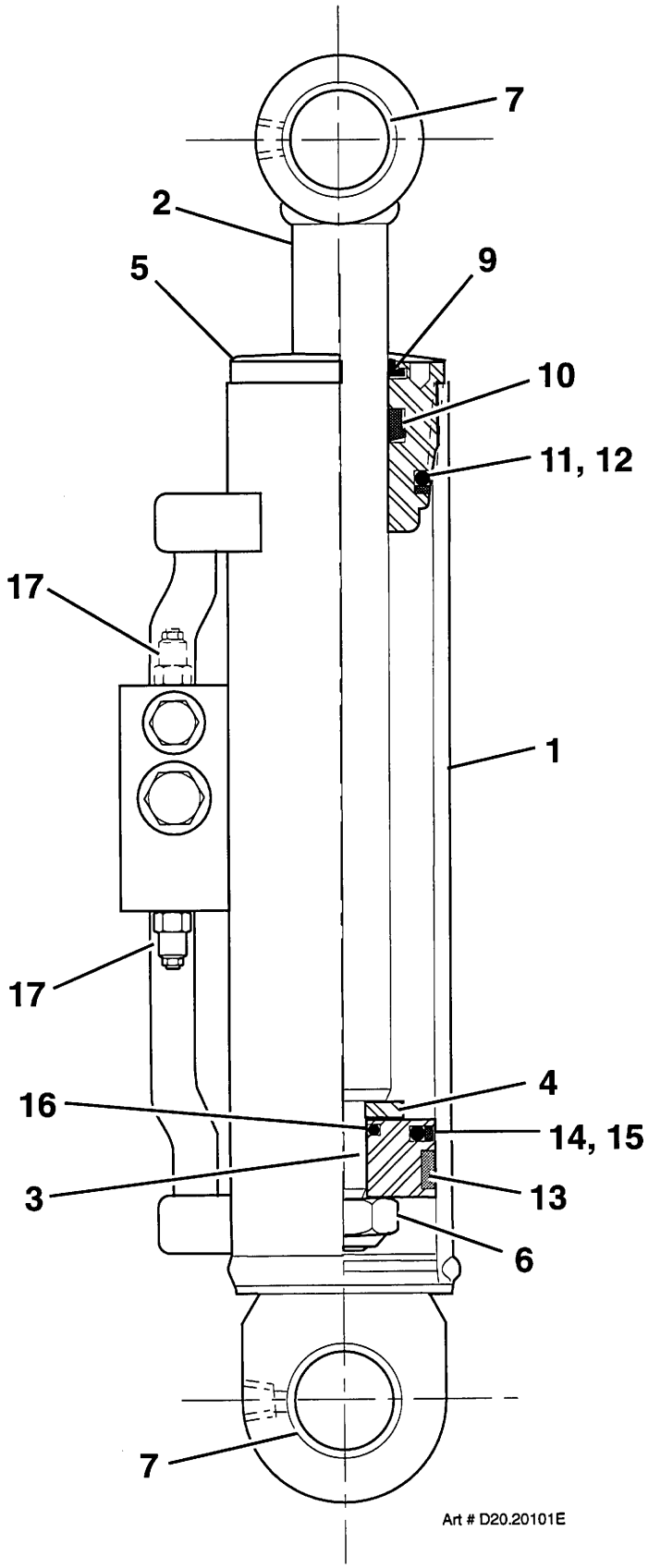
TITLE TELESCOPE CYLINDER ASSEMBLY, RP 66 "REACH PLUS" (PLATE 2 OF 2)

SIMON AERIALS INC. NEW. 26 JUL., 1994 | PART NO. 3536670 | PLATE NO. D19.201

PARTS LIST

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

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

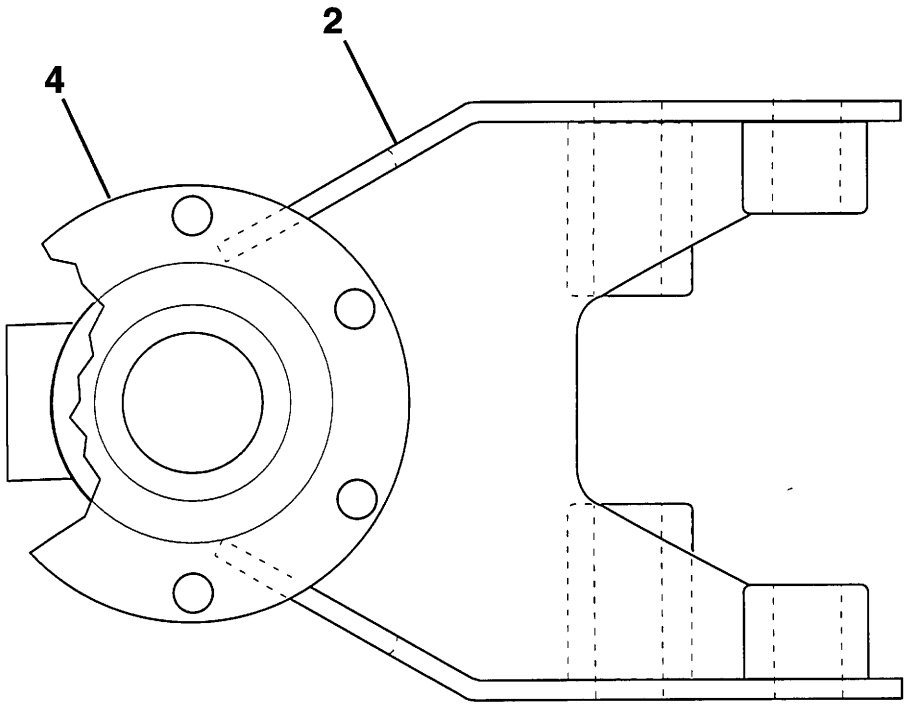


TITLE	SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE		
SIMON AERIALS INC. NEW 22 JUN., 1994		PART NO. 04-039000	PLATE NO. D20.201

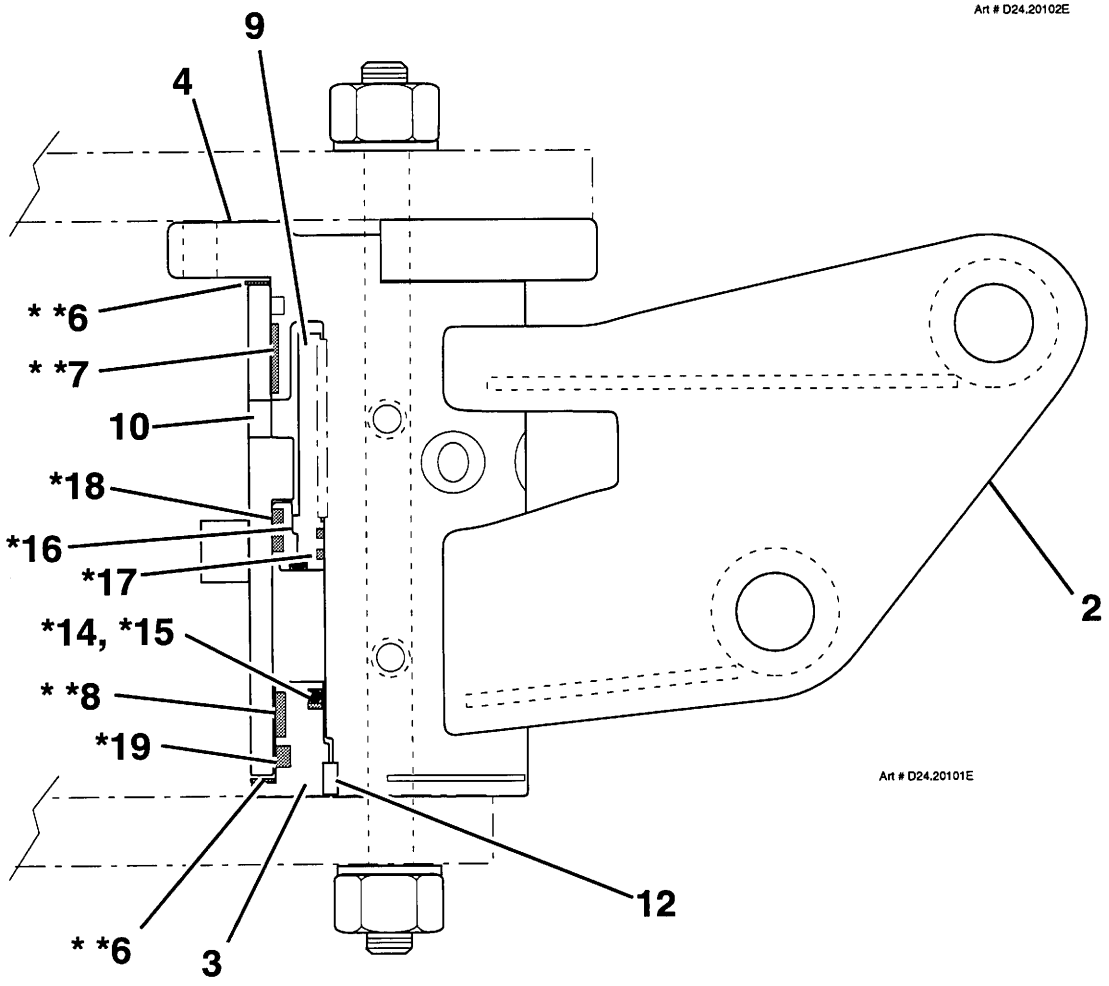
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-042700		ACTUATOR ASSEMBLY, ROTARY	1
2			HOUSING, ROTARY ACTUATOR (includes arms)	1
3			CAP, END	1
4			SHAFT	1
5	02-042702		BEARING KIT	1
			Note: Items in kit identified by double asterisk (* *).	
6			WASHER, THRUST	2
7			BEARING, SHAFT	1
8			BEARING, CAP	1
9			PISTON AND SLEEVE ASSEMBLY	1
10			PLUG, PORT	2
11			SET SCREW	2
12			SET SCREW	2
13	02-042701		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
14			SEAL	1
15			RING, BACK-UP	1
16			SEAL, PISTON	1
17			PACKING, ROD	1
18			PACKING, PISTON	1
19			PACKING, BEARING	1

TITLE	PLATFORM ROTARY ACTUATOR		
PLATE NO. D24.201	**SIMON AERIALS INC.**	NEW 14 JUL., 1994	PART NO. 02-042700



Art # D24.20102E



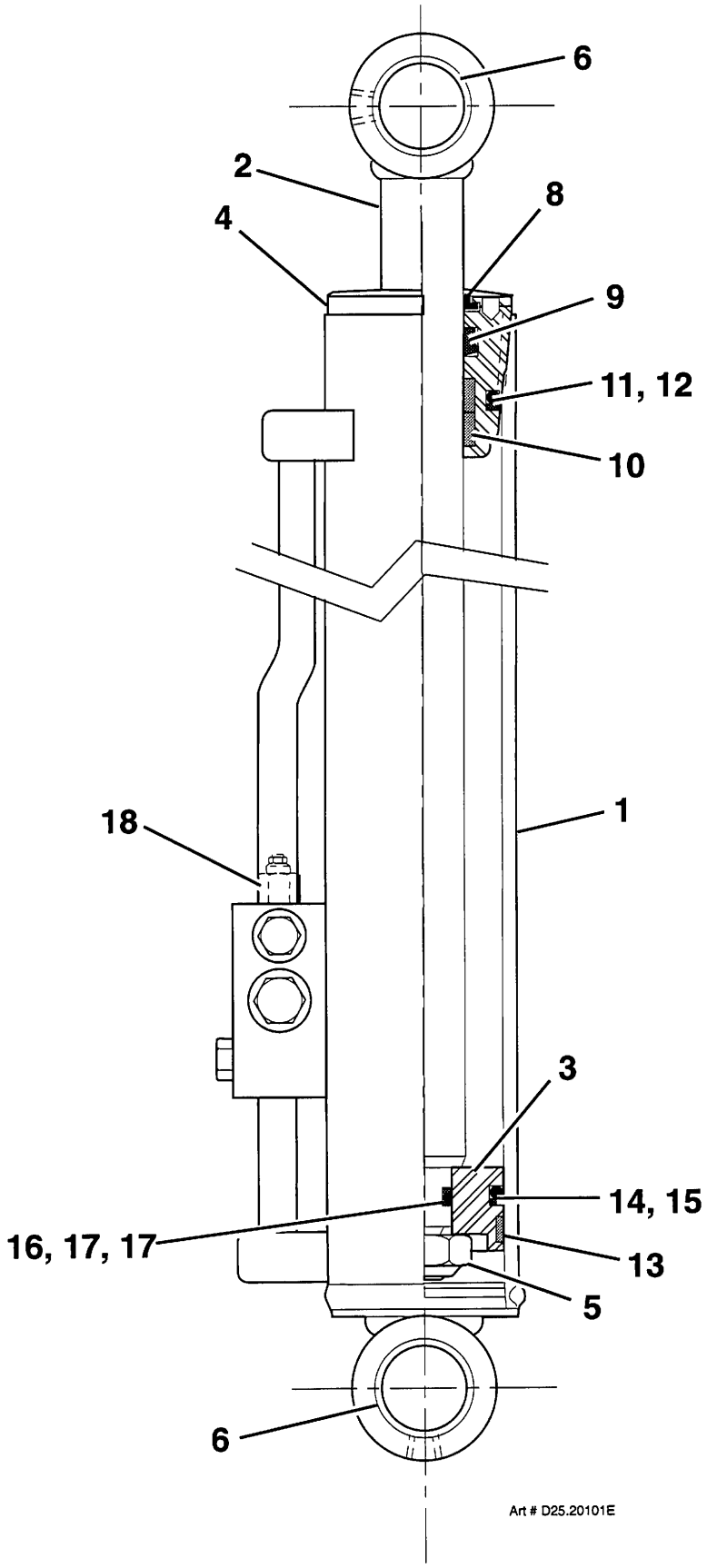
Art # D24.20101E

TITLE	PLATFORM ROTARY ACTUATOR		
SIMON AERIALS INC. NEW 14 JUL., 1994		PART NO. 02-042700	PLATE NO. D24.201

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04039100SH" 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			BUSHING	4
7			SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	2
11			"O"-RING	1
12			RING, BACKUP	1
13			RING, PISTON WEAR	2
14			"O"-RING	1
15			SEAL, PISTON	1
16			"O"-RING	1
17			RING, BACKUP	2
18	04-028302		VALVE, COUNTERBALANCE	
			[Valve is stamped "CB-CG-LJN", and set at 3,000 PSI (like others?) (207 Bar) (211 Kg/ cm^2)]	1
19	04-039101		SEAL KIT, COUNTERBALANCE VALVE	1

TITLE	JIB ARTICULATION CYLINDER, 20.69" (.53 M) STROKE			
PLATE NO. D25.201	**SIMON AERIALS INC.**	NEW 14 JUL., 1994	PART NO.	04-039100



TITLE	JIB ARTICULATION CYLINDER, 20.69" (.53 M) STROKE		
SIMON AERIALS INC.	NEW 14 JUL., 1994	PART NO. 04-039100	PLATE NO. D25.201

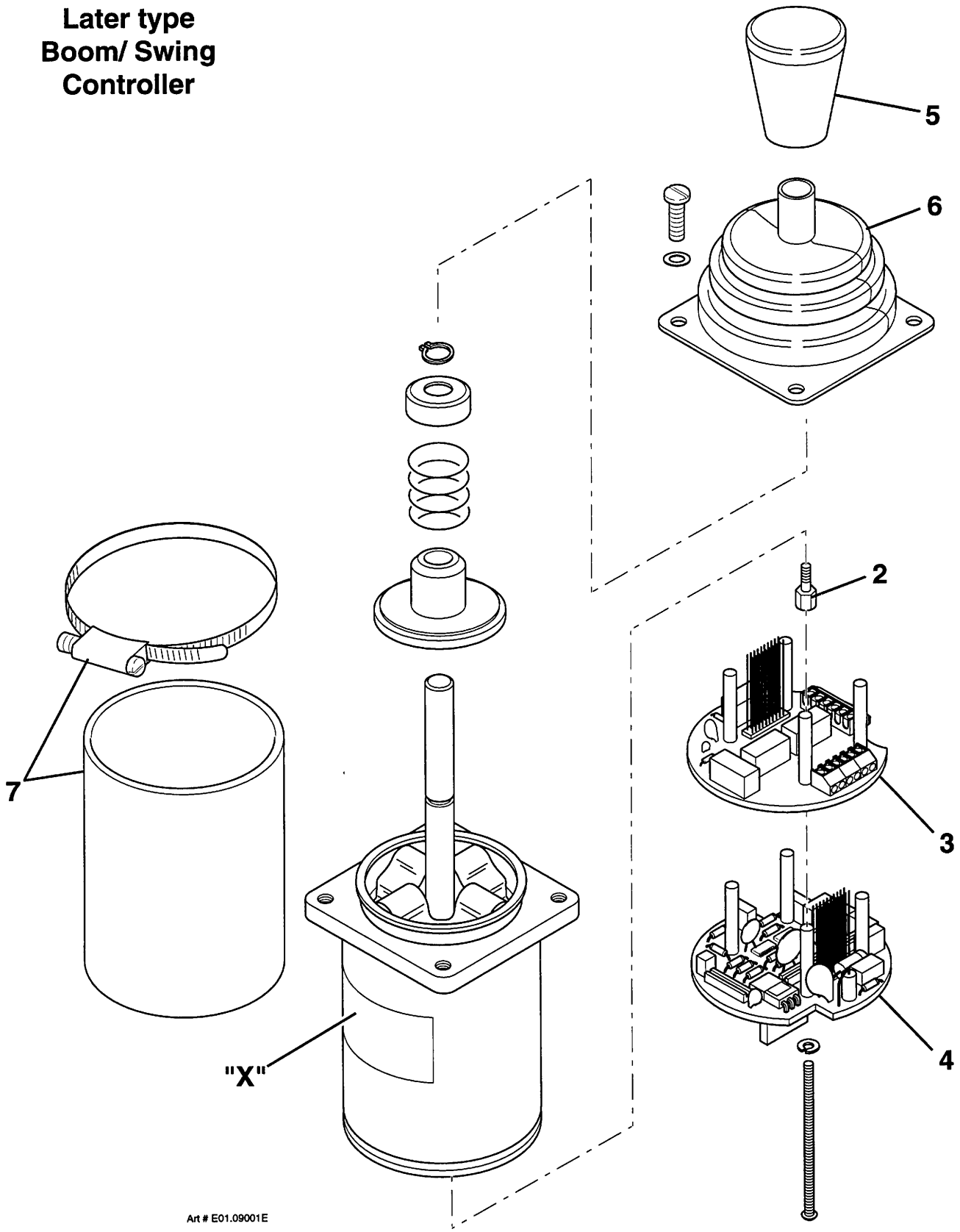
PARTS LIST

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

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

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

Later type Boom/ Swing Controller



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

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

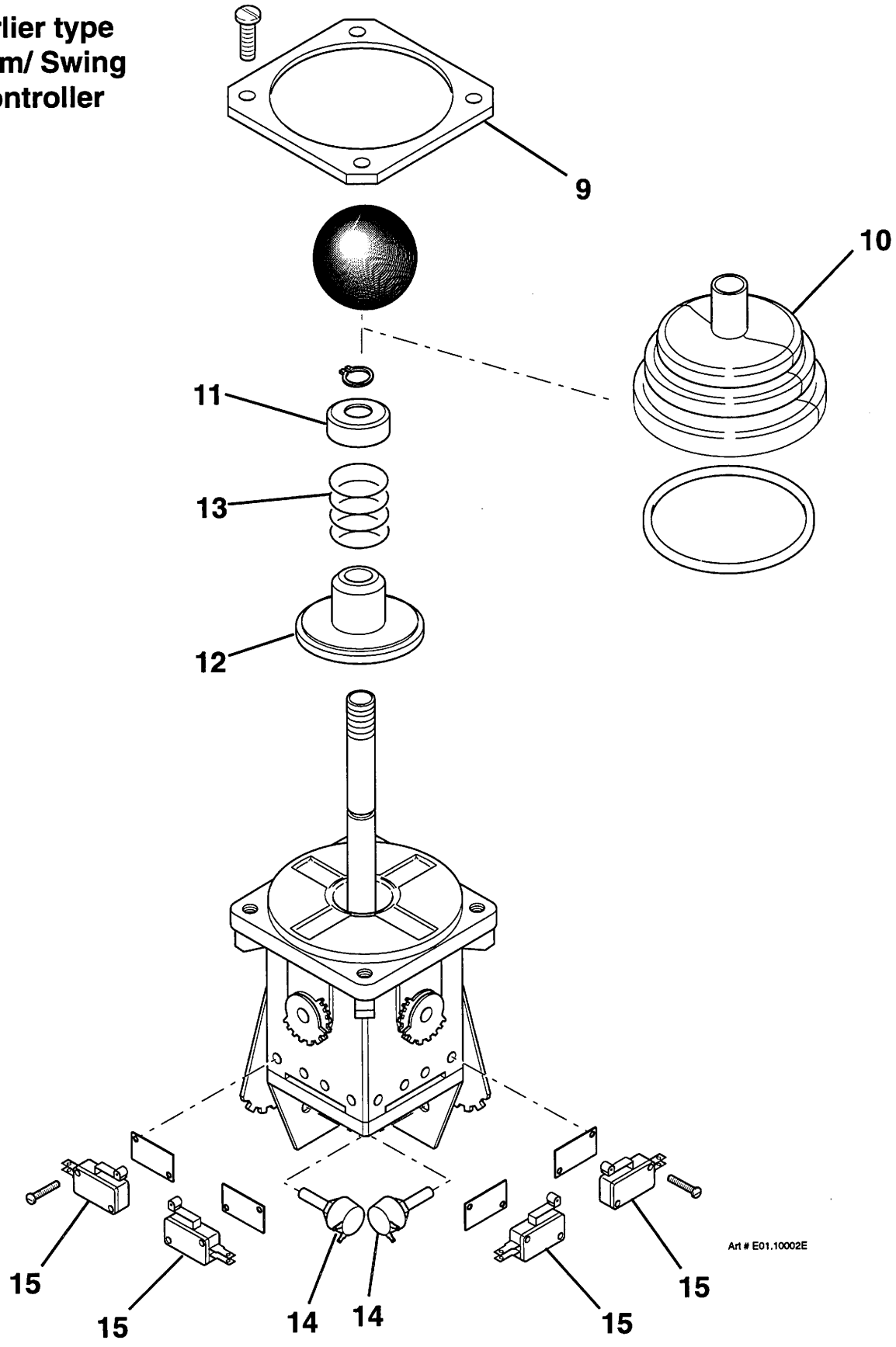
PARTS LIST

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

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

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

Earlier type Boom/ Swing Controller



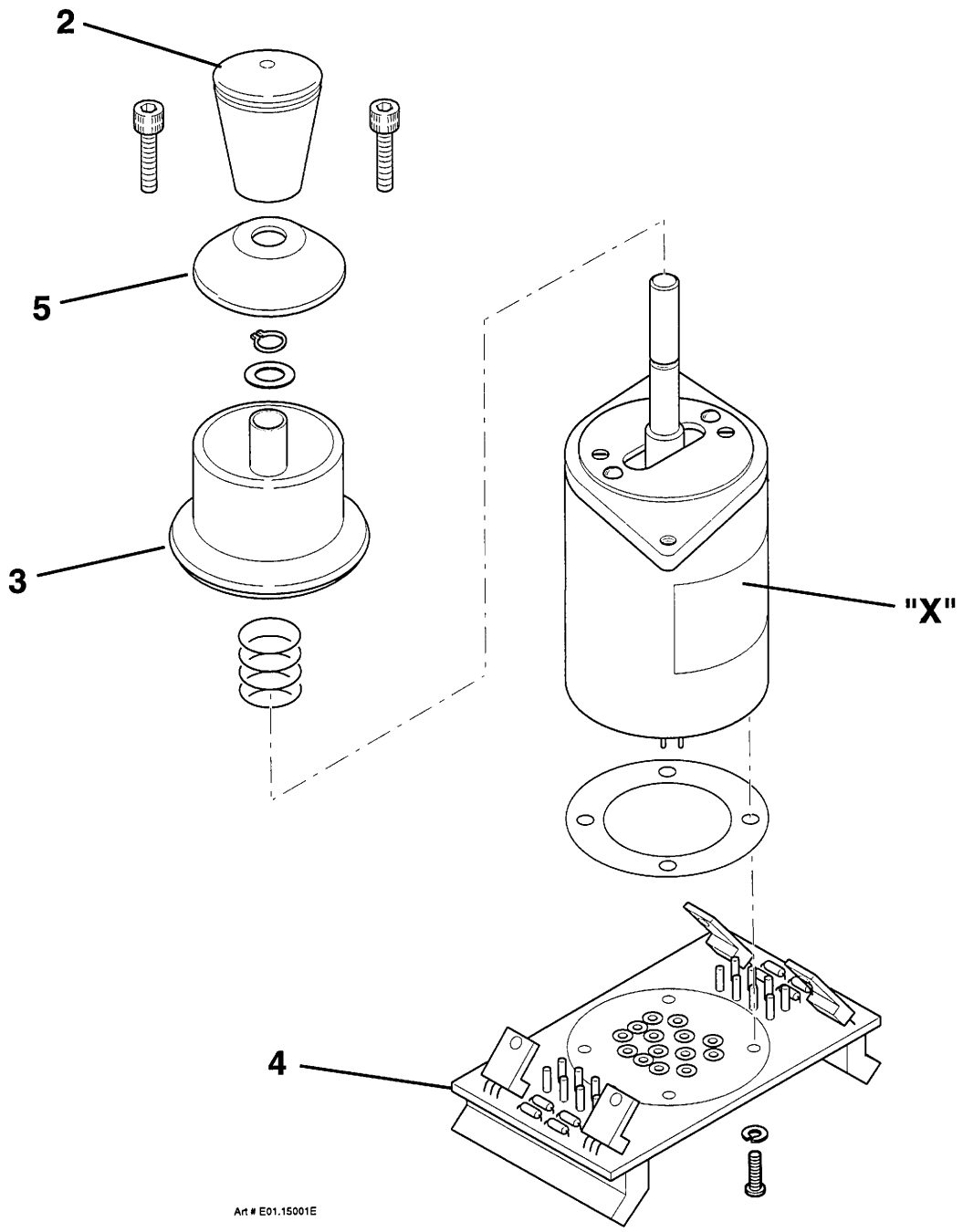
TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

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

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-704700		"MINI" CONTROLLER ASSEMBLY, SINGLE AXIS (identified on nameplate "X" as "**MJ4030-1030**")	1
2	03-704701		KNOB (Handle)	1
3	03-704702		BOOT, HANDLE (Gaiter)	1
4	03-704703		CIRCUIT/ CONNECTOR BOARD	1
5			SKIRT	1

TITLE	"MINI" JIB BOOM CONTROLLER, RP SERIES	
PLATE NO. E01.15	**SIMON AERIALS INC.** NEW 14 JUL., 1994	PART NO. 03-704700

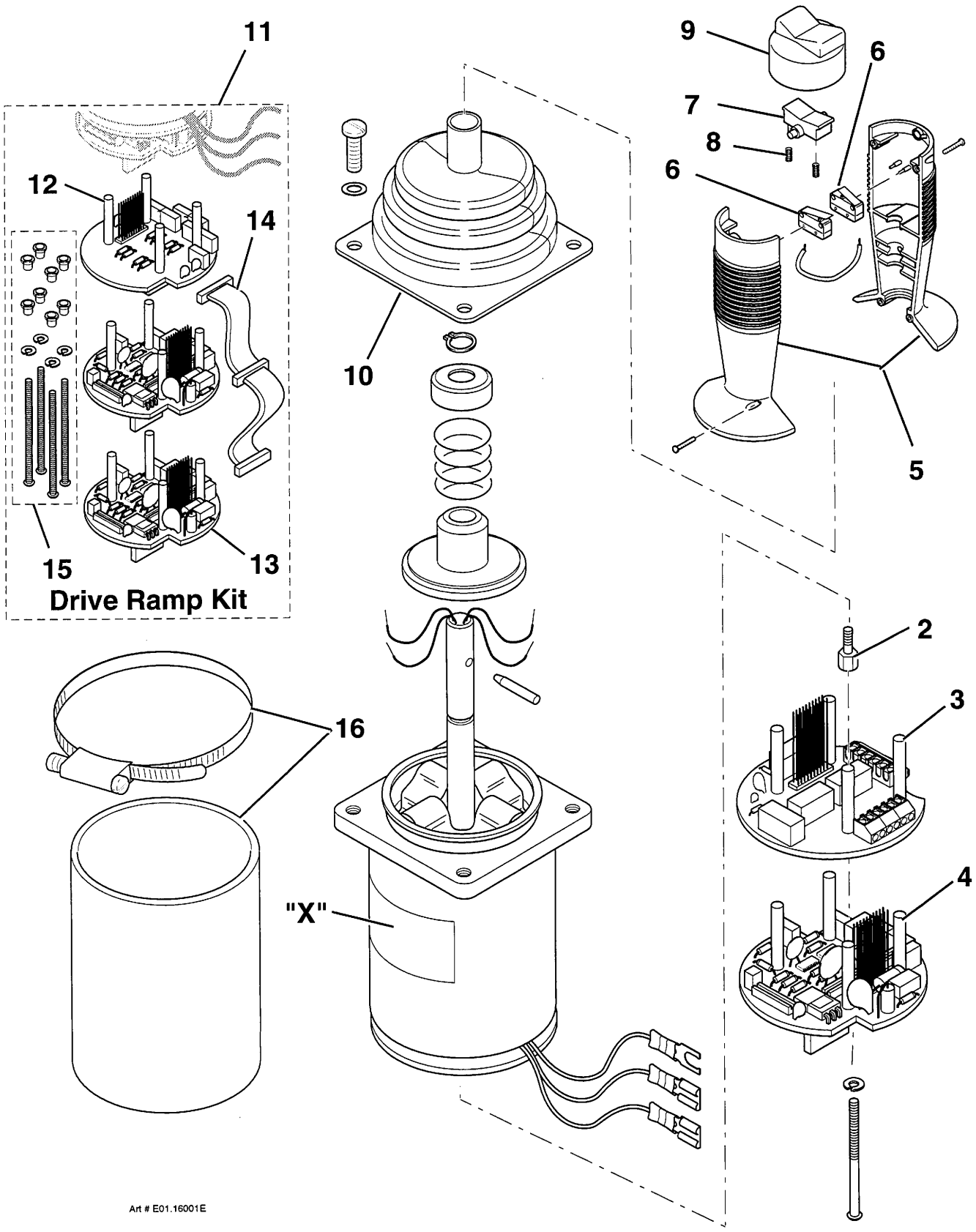


TITLE	"MINI" JIB BOOM CONTROLLER, RP SERIES		
SIMON AERIALS INC. NEW 14 JUL., 1994	PART NO. 03-704700	PLATE NO. E01.15	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-735200		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz, with rocker switch in hand grip) (Identified on nameplate "X" as "MJ **412A**-1043")	1
			Note: Some early controllers are marked "MJ **4121**-1043", but these were modified and are identical to MJ 412A-1043.	
2	03-495500		SPACER, STAND OFF	4
3	03-493600		SWITCH BOARD (for alarm functions)	1
4	03-491003		BOARD, DRIVER	1
5	03-491204		HANDLE (includes two halves and assembling hardware)	1
6	03-491205		MICRO SWITCH	2
7	03-491202		ROCKER, SWITCH	1
8			SPRING, SWITCH RETURN	2
9	03-491201		BOOT, ROCKER SWITCH	1
10	03-491001		BOOT, HANDLE (Gaiter)	1
			The following items **are not** included with Controller 03-735200, but **are** available for aftermarket installation:	
11	03-702100		RAMP KIT, DRIVE	1
12	03-494800		RAMP CARD	1
13	03-494900		DRIVE BOARD	2
14	03-495300		CABLE, JUMPER	1
15	03-702200		MOUNTING HARDWARE, DRIVE RAMP KIT	1
16	03-499500		COVER KIT, CONTROLLER (includes boot and clamp)	1

TITLE	DRIVE/ STEER CONTROLLER, RP 46, RP 66, RP 120			
PLATE NO.	E01.16	**SIMON AERIALS INC.**	NEW 01 FEB., 1996	PART NO.

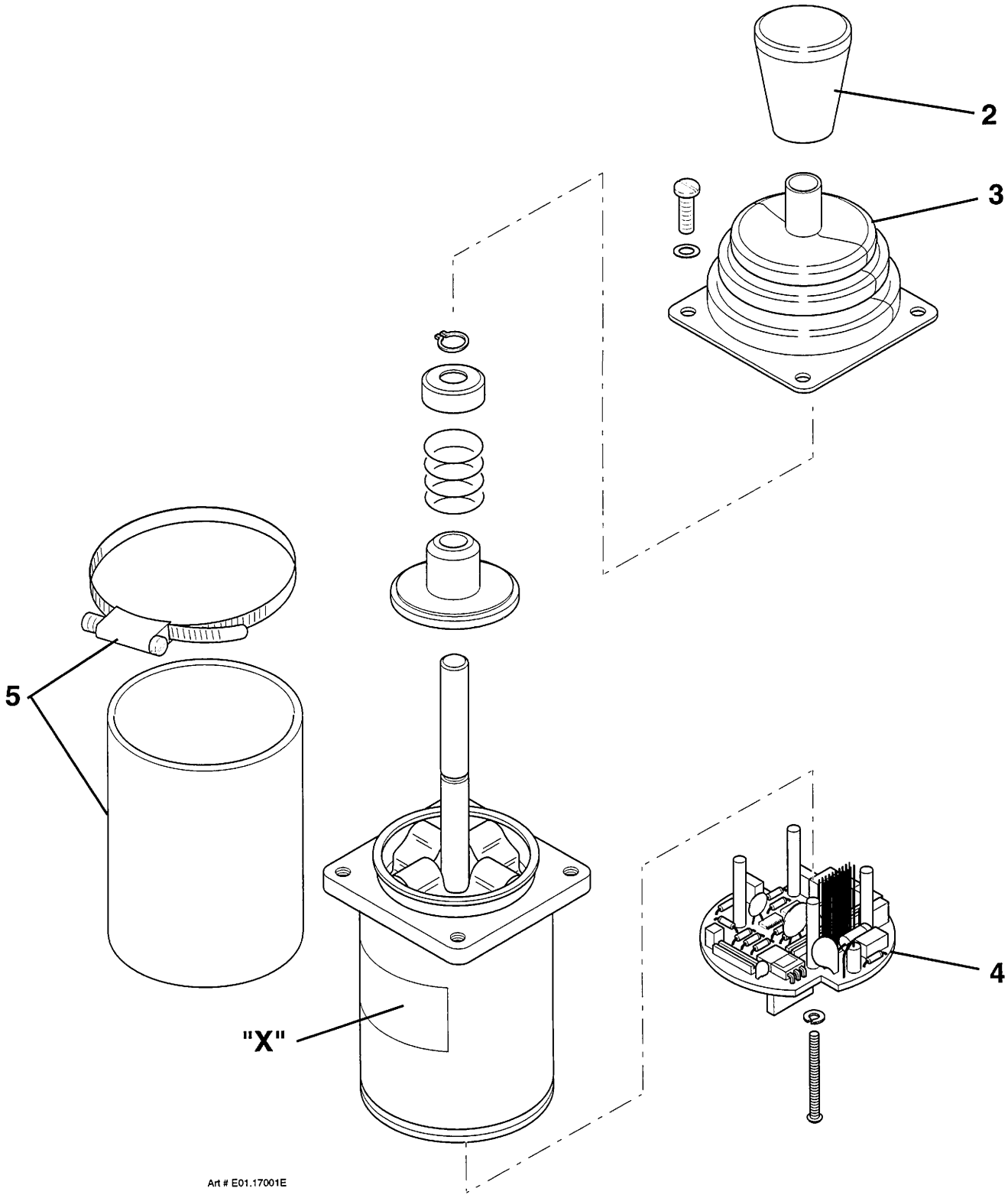


TITLE	DRIVE/ STEER CONTROLLER, RP 46, RP 66, RP 120		
SIMON AERIALS INC.	NEW 01 FEB., 1996	PART NO.	PLATE NO. E01.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-734900		CONTROLLER ASSEMBLY, SINGLE AXIS (12 Volt, 33 Hz) (Identified on nameplate "X" as "**MJ 9001-0401**") **Note:** Some early controllers are marked "**MJ 4121-1020**", but these were modified and are identical to MJ 9001-0401.	1
2	03-491002		KNOB (Handle)	1
3	03-491001		BOOT, HANDLE (Gaiter)	1
4	03-491003		BOARD, DRIVER	1
			The following item **is not** included with Controller 03-734900:	
5	03-499500		COVER KIT, CONTROLLER (includes boot and clamp)	1

TITLE	BOOM TELESCOPE CONTROLLER, RP 46, RP 66, RP 120		
PLATE NO. E01.17	**SIMON AERIALS INC.**	NEW 01 FEB., 1996	PART NO.

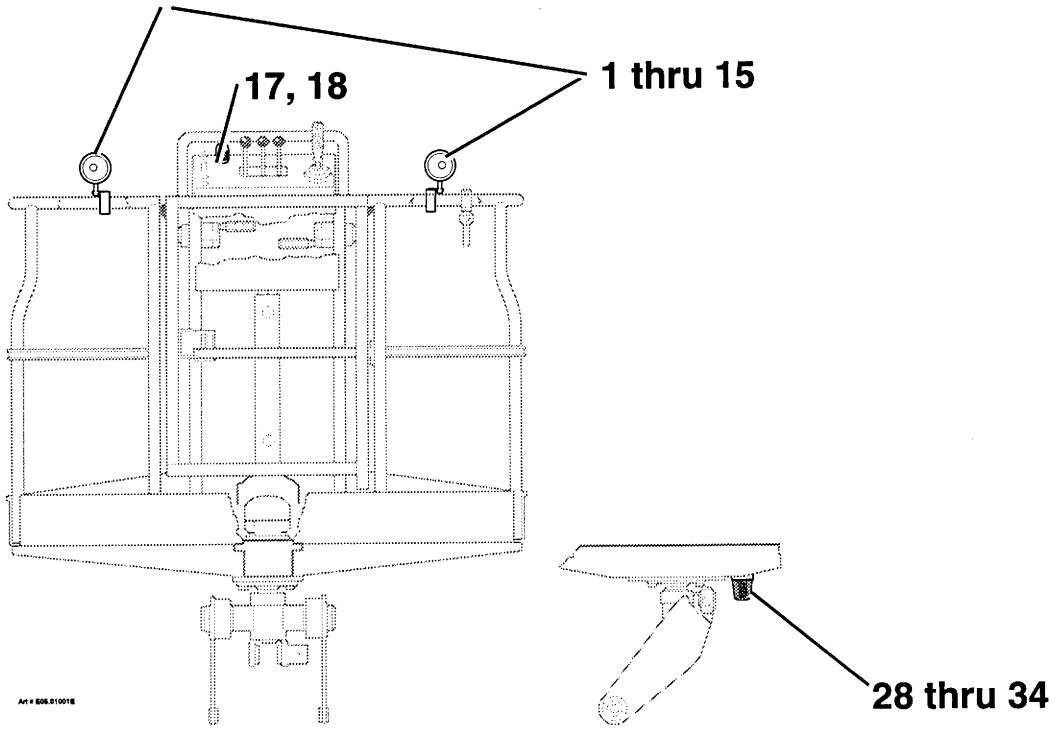


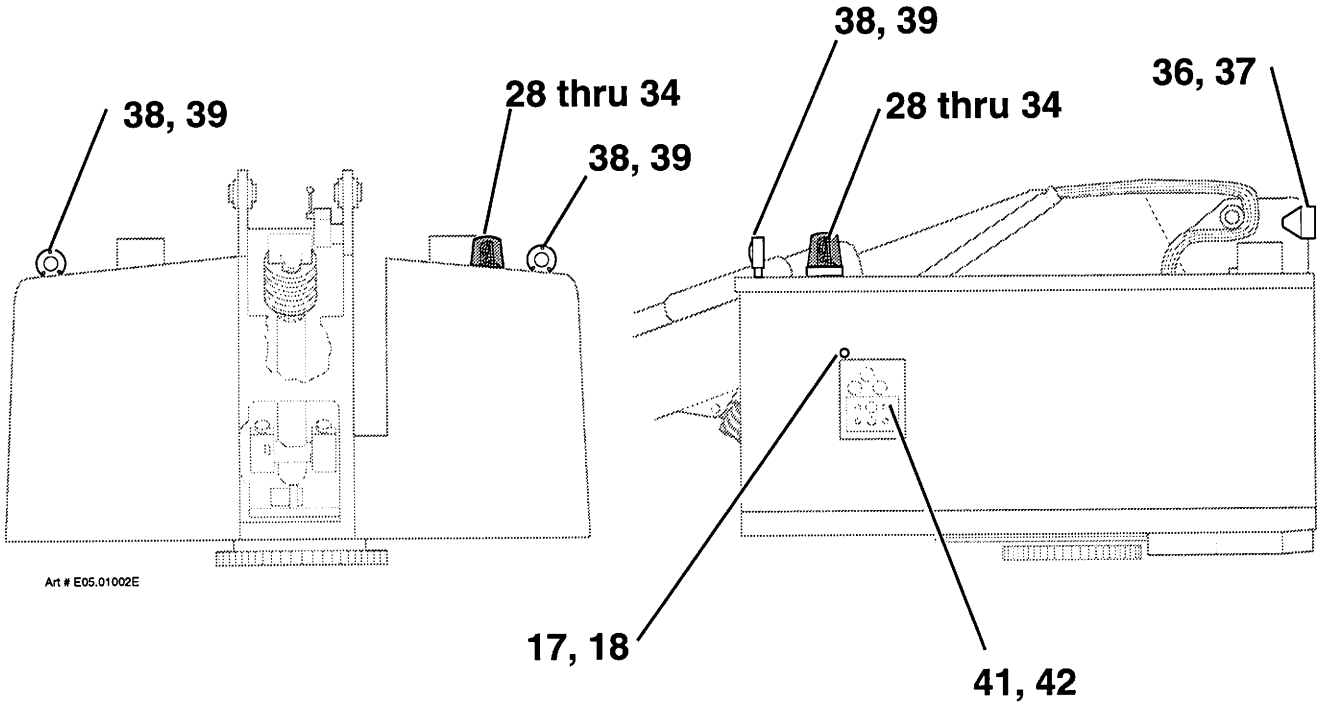
TITLE	BOOM TELESCOPE CONTROLLER, RP 46, RP 66, RP 120		
SIMON AERIALS INC. NEW 01 FEB., 1996		PART NO.	PLATE NO. E01.17

PARTS LIST

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

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



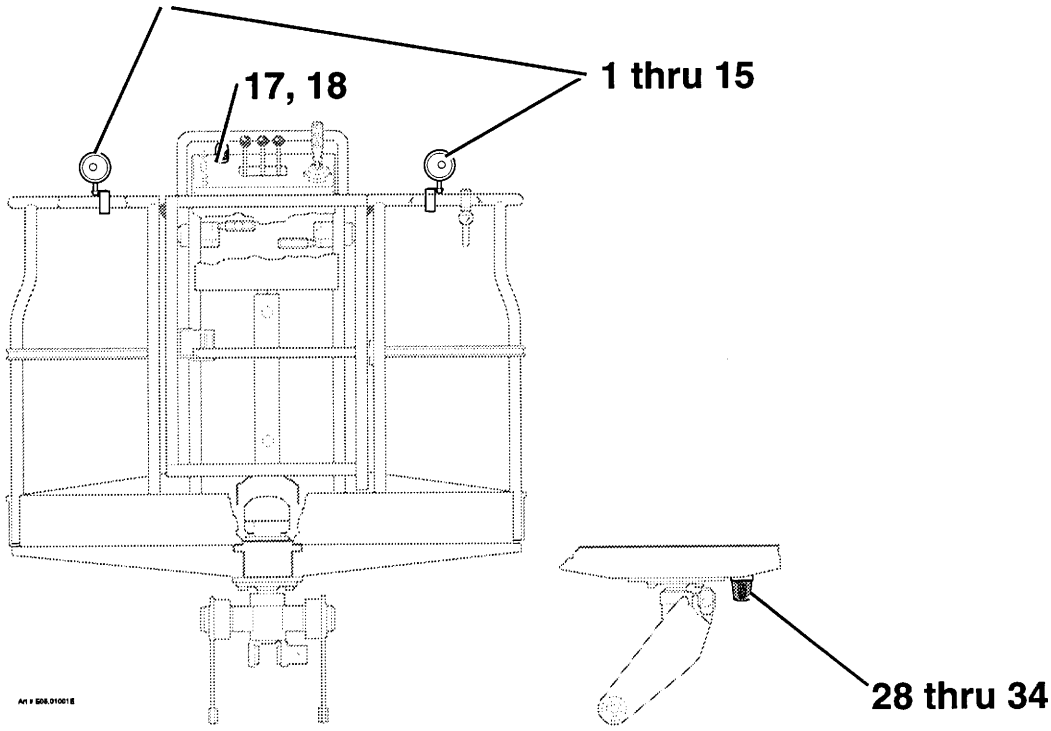


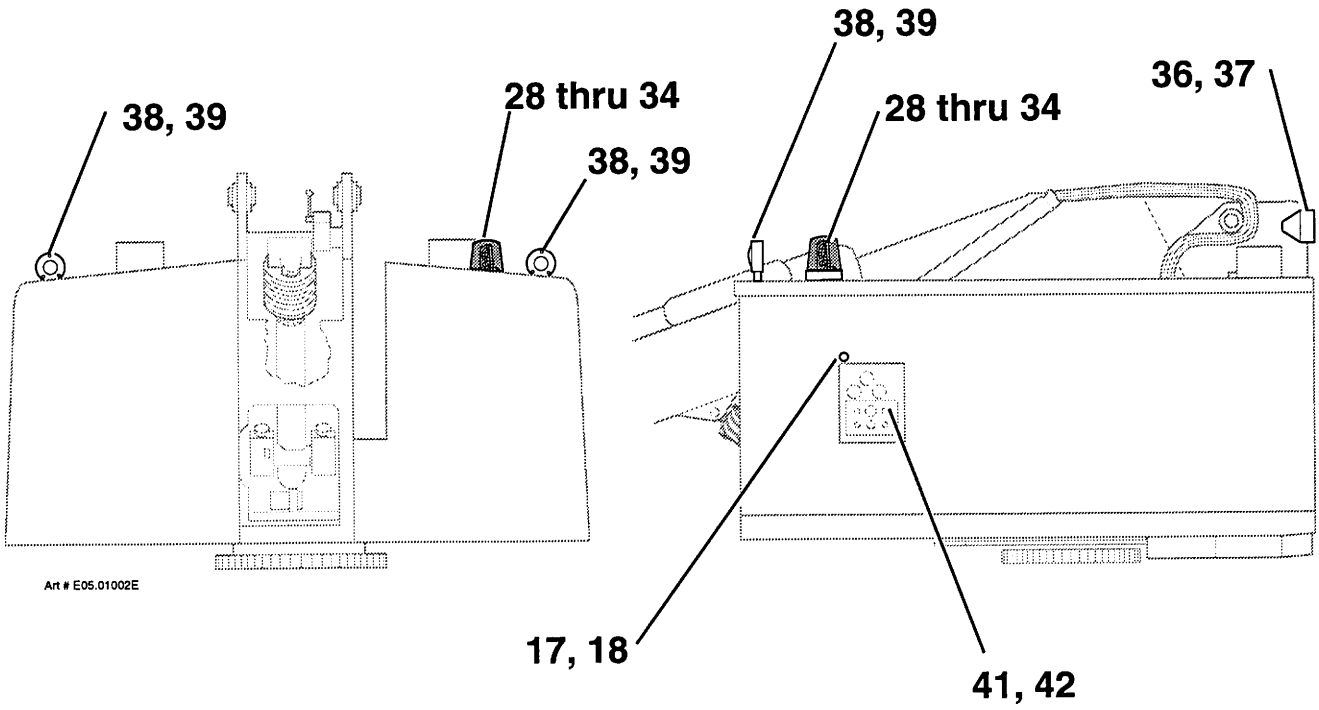
TITLE	OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)		
SIMON AERIALS INC.	REV. 09 NOV., 1994	PART NO.	PLATE NO. E05.01

PARTS LIST

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

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



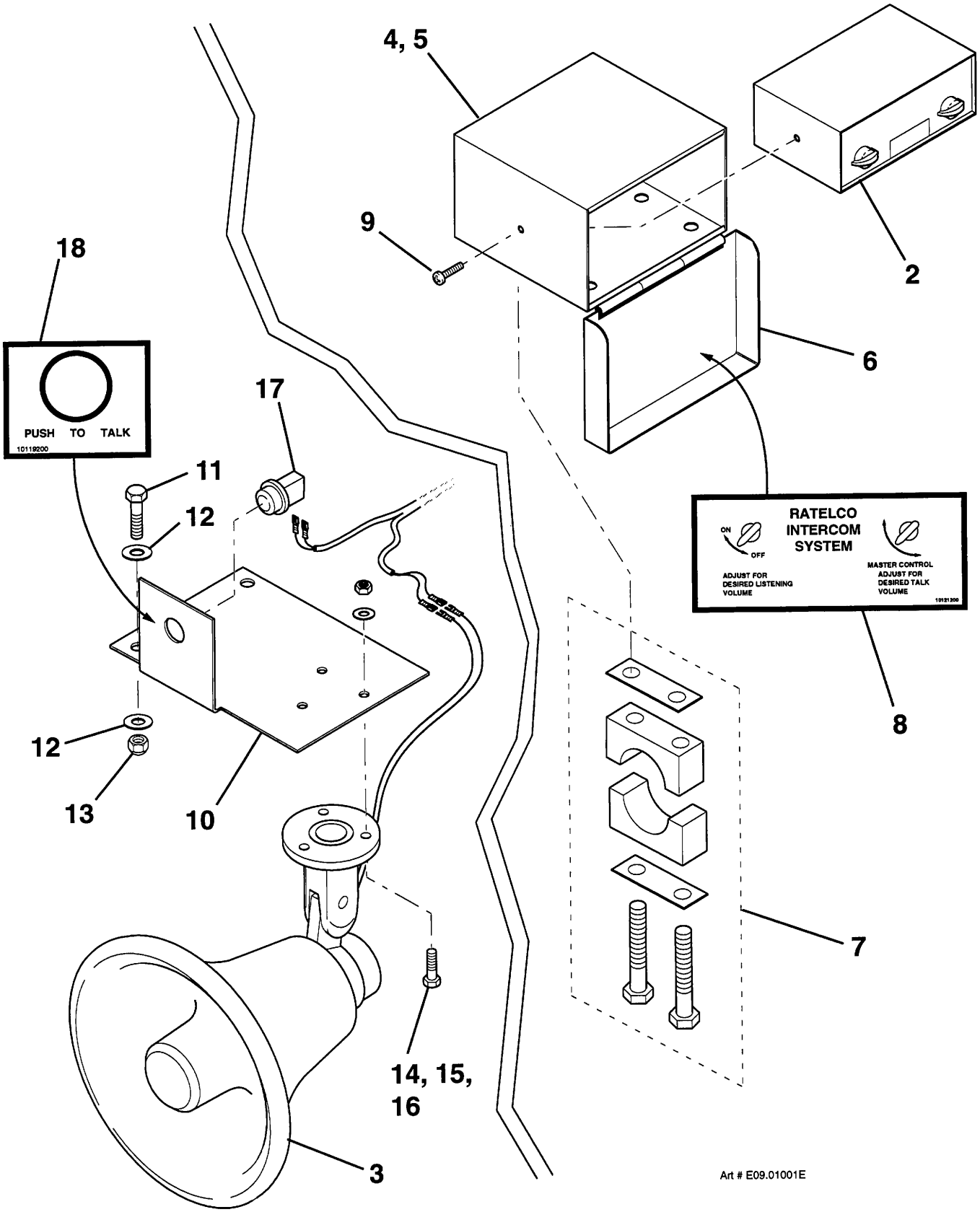


TITLE	OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)		
SIMON AERIALS INC. REV. 09 NOV., 1994		PART NO.	PLATE NO. E05.01

PARTS LIST

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

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

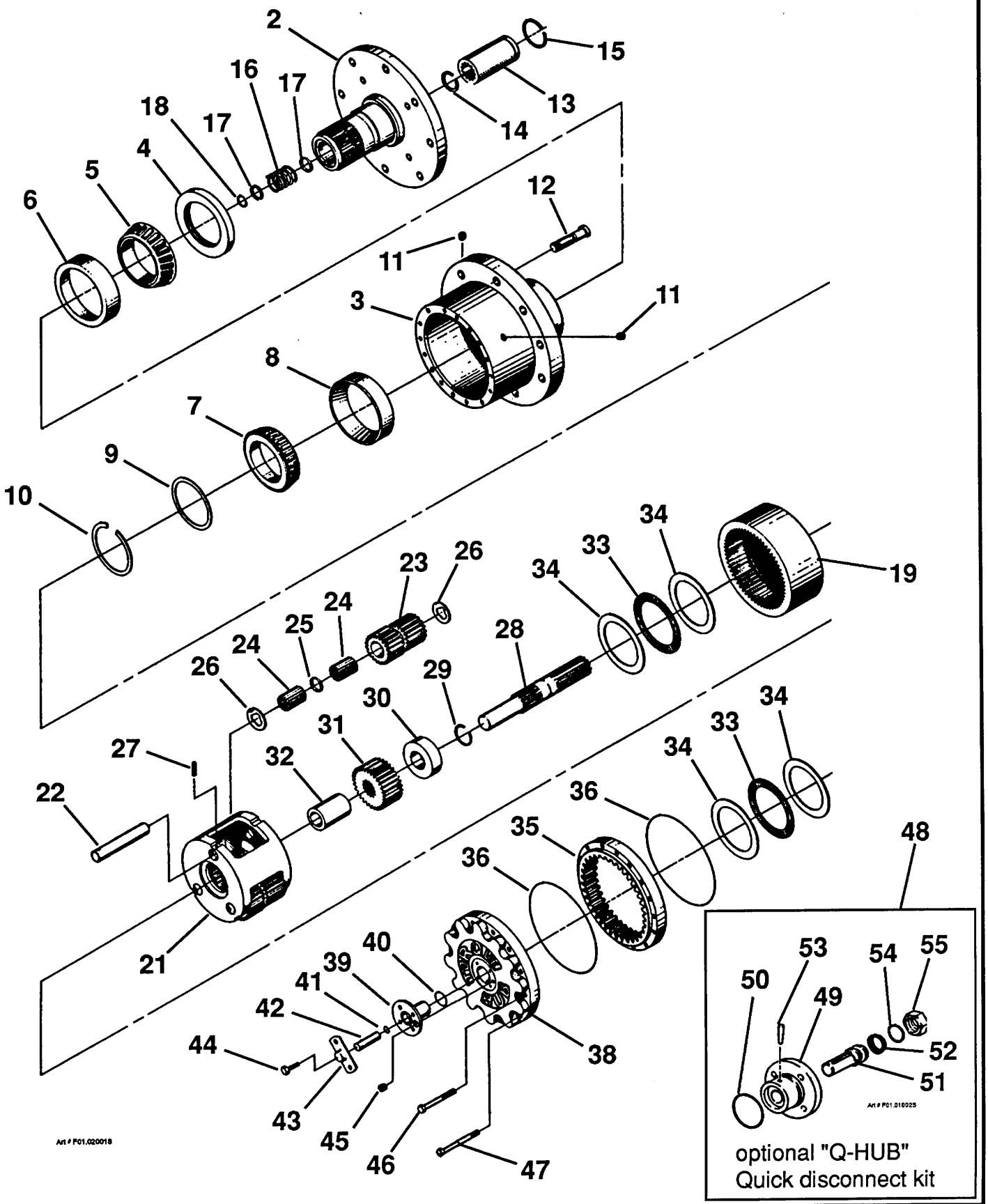


TITLE	MOBILE INTERCOM SYSTEM (OPTION)		
SIMON AERIALS INC. NEW 02 MAY., 1994		PART NO.	PLATE NO. E09.01

PARTS LIST

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

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

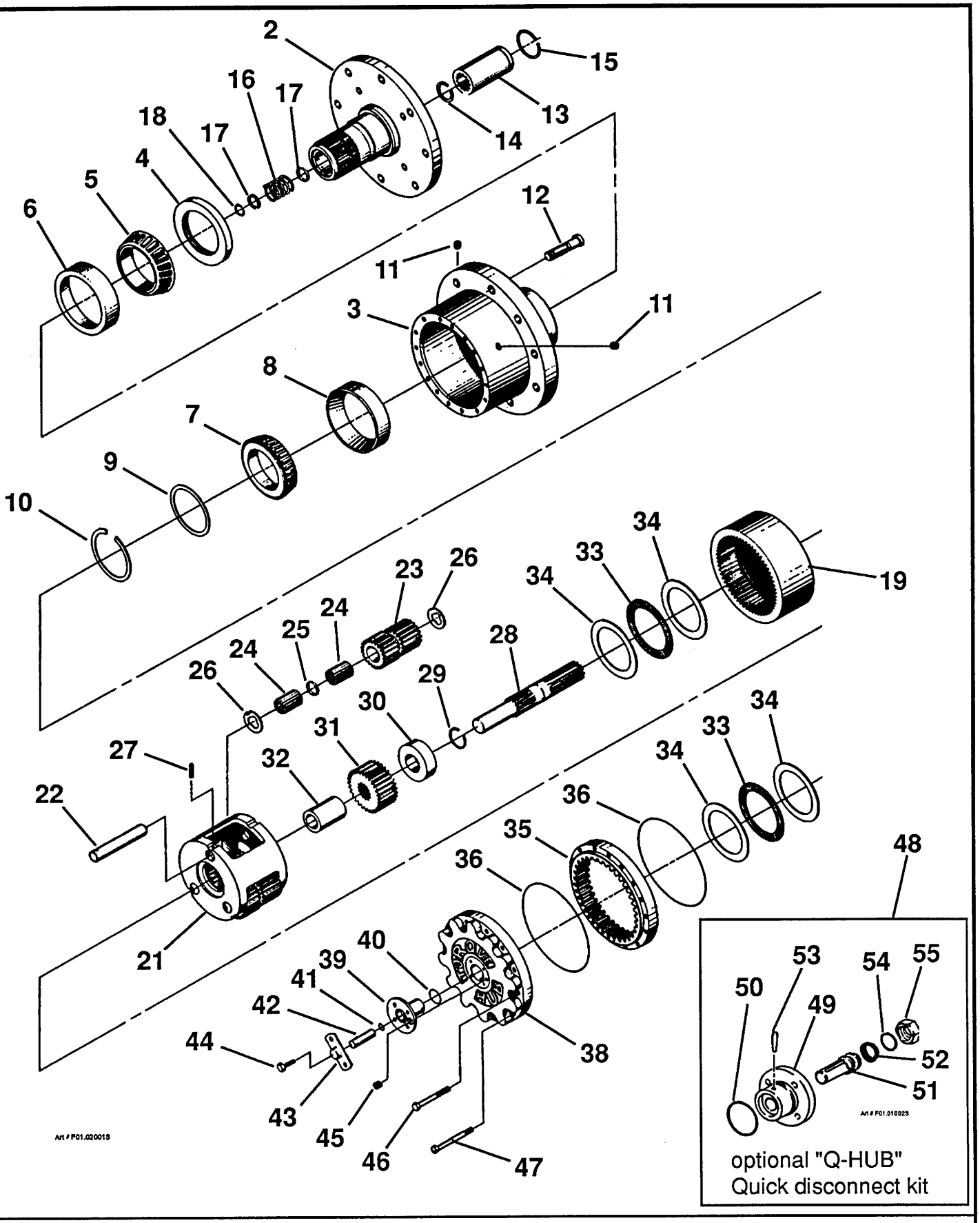


TITLE	TORQUE HUB (43:1) (PLATE 1 OF 2)		
SIMON AERIALS INC. REV.05/16/91	PART NO. 02-000600	PLATE NO. F01.02	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION
37			COVER ASSEMBLY, HUB
38	02-000618		COVER, HUB
39	02-000601		CAP, COVER
			Note: Items 39 through 45 are for units quick-disconnect option.
40	02-000608		"O"-RING
41	02-000512		"O"-RING
42	02-000603		ROD, DISCONNECT
43	02-000602		CAP, DISCONNECT
44			BOLT
45			PLUG, PIPE (Oil level check)
46			BOLT
47	02-000621		BOLT, SHOULDER
			The following optional kit may be installed on
48	02-000604		CAP KIT, COVER (quick-disconnect "Q-hub" kit)
49			CAP, QUICK DISCONNECT
50			"O"-RING
51			ROD, DISCONNECT
52			SEAL, DISCONNECT ROD
53			PIN, ROLL
54			"O"-RING
55	02-000519		CAP, HEX

TITLE	TORQUE HUB (43:1) (PLATE 2 OF 2)			
PLATE NO.	F01.02	**SIMON AERIALS INC.**	REV.06/28/91 THIS SHEET ONLY	P. N

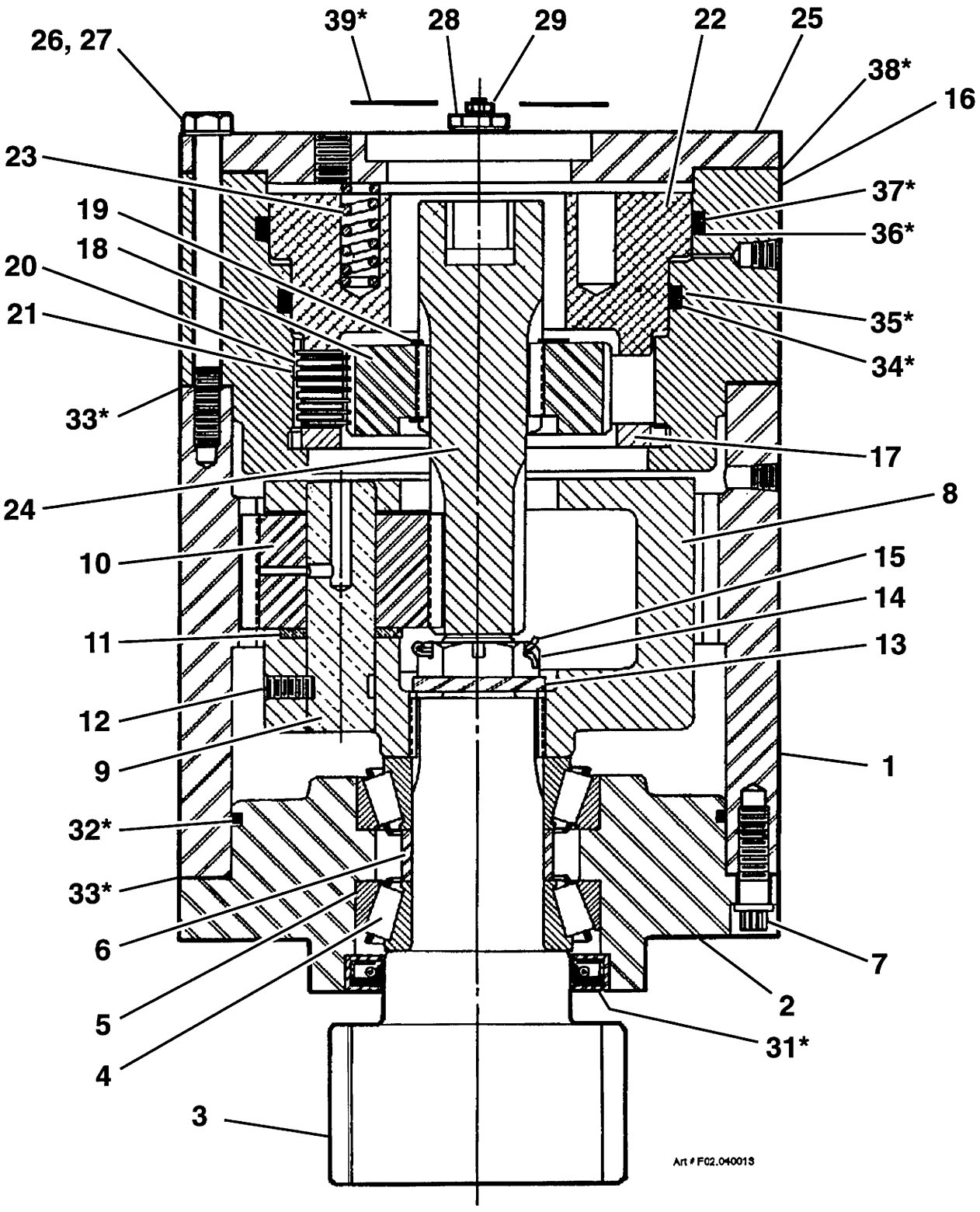


TITLE	TORQUE HUB (43:1) (PLATE 2 OF 2)		
SIMON AERIALS INC. REV.05/16/91		PART NO. 02-000600	PLATE NO. F01.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-006100		SWING REDUCER ASSEMBLY (Identified on nameplate as "D105-000**29**-1" or "D105-000**36**-1")	
1			HOUSING, SWING REDUCER	1
2	02-006111		PLATE, BASE	1
3	02-006102		SHAFT, OUTPUT	1
4	02-005703		CONE AND ROLLER, OUTPUT SHAFT BEARING	2
5	02-006114		CUP, OUTPUT SHAFT BEARING	2
6	02-006107		SPACER, BEARING	1
7	02-006115		CAP SCREW, FERRY (7/16"-14 x 1-1/4")	5
8	02-006117		CARRIER, PLANET	1
9	02-006103		SHAFT, PLANET GEAR	3
10	02-006118		GEAR, PLANET	3
11	02-006119		BEARING, THRUST	3
12	02-006120		SET SCREW, HEX SOCKET (5/16"-18 x 1/2")	3
13	02-006106		WASHER	1
14	02-006108		NUT, CASTLE	1
15			KEY, COTTER	1
16			CYLINDER, BRAKE	1
17			PLATE, BACK-UP	1
18	02-006116		DRIVER, BRAKE	1
19			SNAP RING	2
20	02-006113		DISC, BRAKE (stationary)	7
21	02-006112		DISC, FRICTION (rotating)	7
22	02-006110		PISTON, BRAKE	1
23	02-006109		SPRING, BRAKE	12
24	02-006104		SHAFT, INPUT	1
25	02-006101		COVER	1
26			CAP SCREW, HEX HEAD (3/8"-16 x 4-1/2", Grade 5)	6
27			WASHER, HELICAL LOCK (3/8")	6
28			BUSHING, REDUCER (1/2" to 1/8" NPT)	1
29			PLUG, VENT	1
30	02-005701		SEAL KIT	1
			Note: items in kit identified by asterisk (*).	
31			SEAL, OUTPUT SHAFT	1
32			"O"-RING, BASE PLATE	1
33			GASKET, HOUSING	2
34			O-RING	1
35			RING, BACKUP	1
36			"O"-RING	1
37			RING, BACKUP	1
38			GASKET, COVER	1
39			GASKET, MOTOR	1

TITLE	SWING REDUCER ASSEMBLY		
PLATE NO. F02.04	**SIMON AERIALS INC.**	REV. 26 AUG., 1994	**PART NO.** 02-006100



TITLE	SWING REDUCER ASSEMBLY		
SIMON AERIALS INC. REV. 26 AUG., 1994	PART NO. 02-006100	PLATE NO. F02.04	

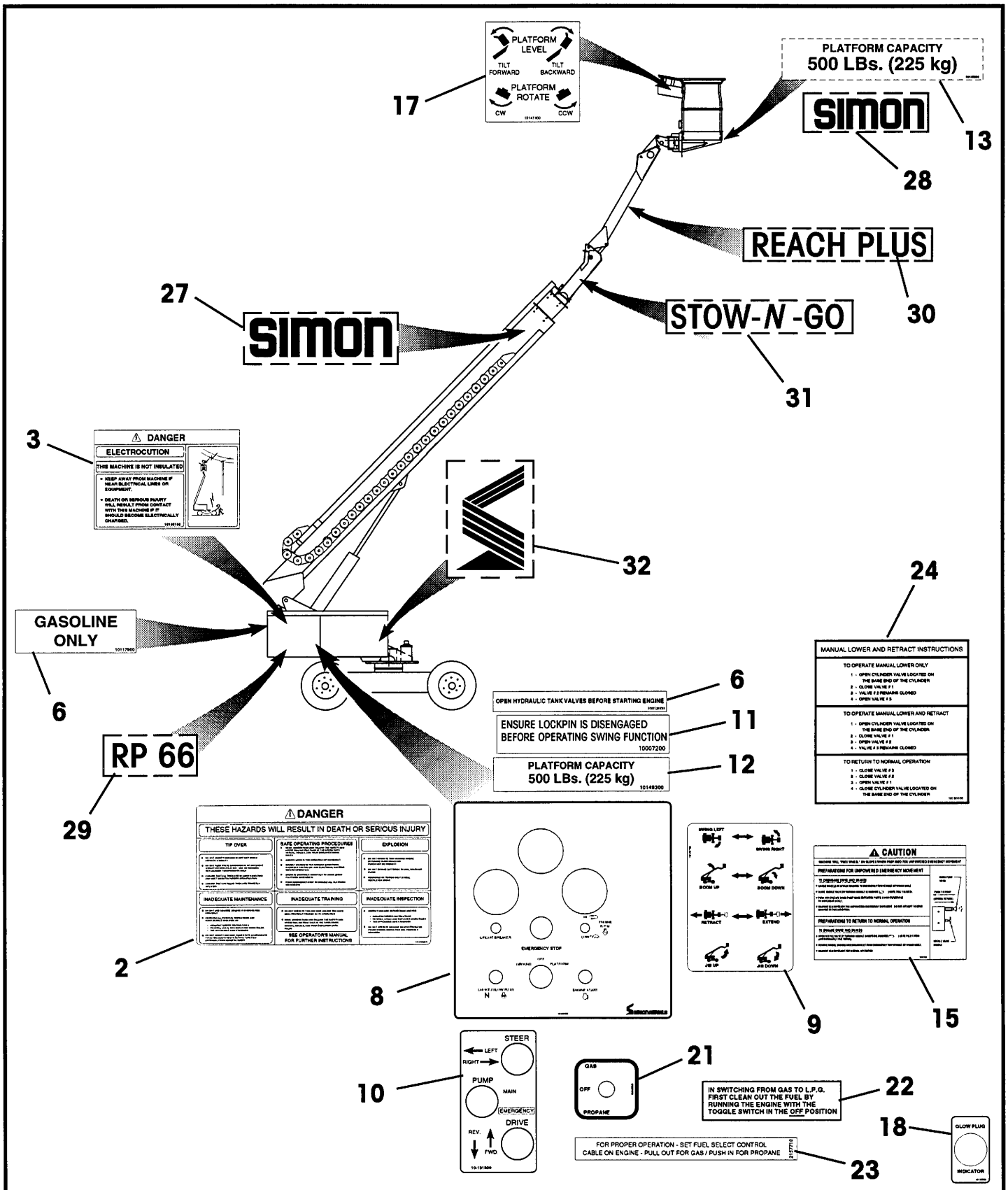
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, RP 66 "REACH PLUS" (Not available. Purchase 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	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
6			PLACARD, FUEL (Black type on white)	1
	10-117900		"GASOLINE ONLY"	
	10-151100		"DIESEL FUEL ONLY"	
7	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
8	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
9	10-169700		DECAL, GROUND CONTROL VALVES	1
10	10-131500		PLATE, REMOTE CONTROL PENDANT	1
11	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	2
12	10-148300		DECAL, "Platform capacity 500 Lbs (225 kg)" (4.5" [114 mm] wide, black letters on white background)	2
13	10-145300		DECAL, "Platform capacity 500 Lbs (225 kg)" (some earlier versions) (18.2" [464 mm] wide, black individual letters)	1
14	10-012900		DECAL, "FORWARD" (with arrow)	2
15	10-157100		DECAL, MANUAL BRAKE RELEASE	1
16	10-169100		PLACARD, PLATFORM CONTROLS	1
17	10-147400		DECAL, PLATFORM LEVEL AND ROTATE CONTROLS	1
18	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
19	10-272600		DECAL, "CAUTION" ("Safety belt lanyard . . .")	2
20	10-115800		DECAL, "GLOW PLUG INDICATOR"	1
21	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
22	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for "Dual fuel" versions)	1
23	10-108600		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for "Dual fuel" versions. Replaces 215 7710)	1
24	10-150100		DECAL, MANUAL LOWER AND RETRACT INSTRUCTION (for versions with optional manual lowering valves)	1
25	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with liquid cooled engine)	1
26	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with Ford engine)	1

TITLE
DECALS, RP 66 (WITH ELECTRO-PROPORTIONAL CONTROLS)

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
F99.	201	01	A	05 MAR., 1997	

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



Left (Control) side. See following page for Right side decals.

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

TITLE: DECALS, RP 66 (WITH ELECTRO-PROPORTIONAL CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	A	05 MAR., 1997	F99.	201	01

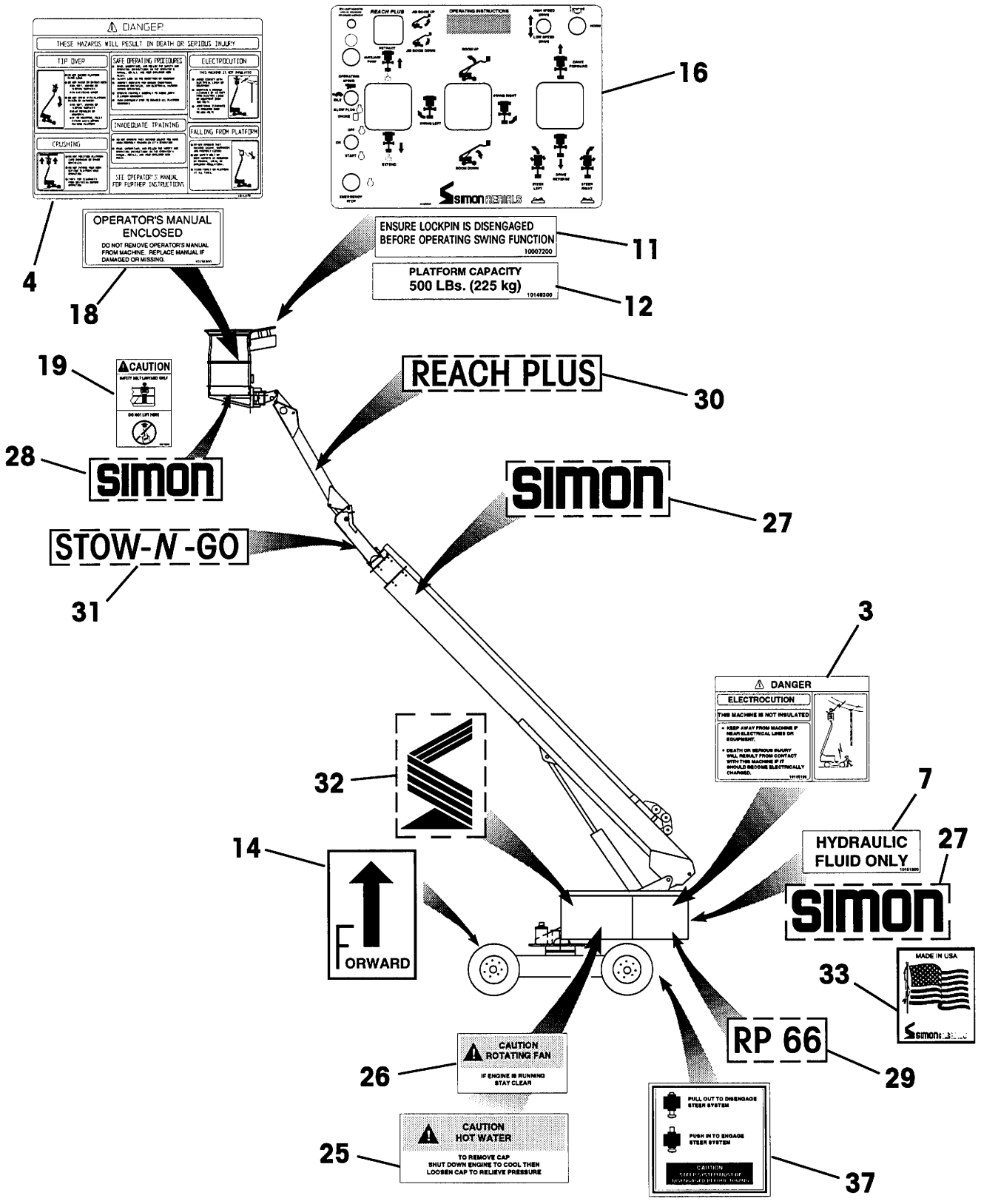
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	10-017100		DECAL, "SIMON" NAME (Black, 7.0" [178 mm] high)	3
28	10-105900		DECAL, "SIMON" NAME (White, 5.0" [127 mm] high)	A.R.
			Earlier versions with large platform capacity decal at step	1
			Later versions with small capacity decals on mid rail	2
29	10-221100		DECAL, MODEL "RP 66"	2
30	10-221700		DECAL, "REACH PLUS" IDENTIFICATION	1
31	10-221600		DECAL, "STOW-*N*-GO" ™ IDENTIFICATION	2
32	10-131900		DECAL, SIMON "S" LOGO	
			(Orange/ Gray, 9.0" [229 mm] wide x 13.5" [344 mm])	2
33	10-121600		DECAL, "MADE IN U.S.A."	1
34	10-126800		DECAL, STRIPE ([4] Orange stripes, 3.75" [95 mm] wide)	
			(Bulk item, order as needed. 28 ft [8.5 m] used here)	A.R.
35	10-126900		DECAL, STRIPE ([3] Dk. Gray stripes, 2.12" [54 mm] wide)	
			(Bulk item, order as needed) (12 ft [3.7 m] used here)	A.R.
36	10-031000		STRIP, "SAF-STEP" (Black, 4.0" [102 mm] x 60' [18.3 m] roll.	
			22" [56 cm] needed this application.)	1
37	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...")	
			(for versions with optional tow package)	1

TITLE
DECALS, RP 66 (WITH ELECTRO-PROPORTIONAL CONTROLS)

SECTION F99. | PLATE NO. 201 | PAGE 02 | REV. A | DATED 05 MAR., 1997 | PART NO.

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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



Right (Engine) side. See previous page for Left side decals.

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

TITLE: DECALS, RP 66 (WITH ELECTRO-PROPORTIONAL CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	A	05 MAR., 1997	F99.	201	02

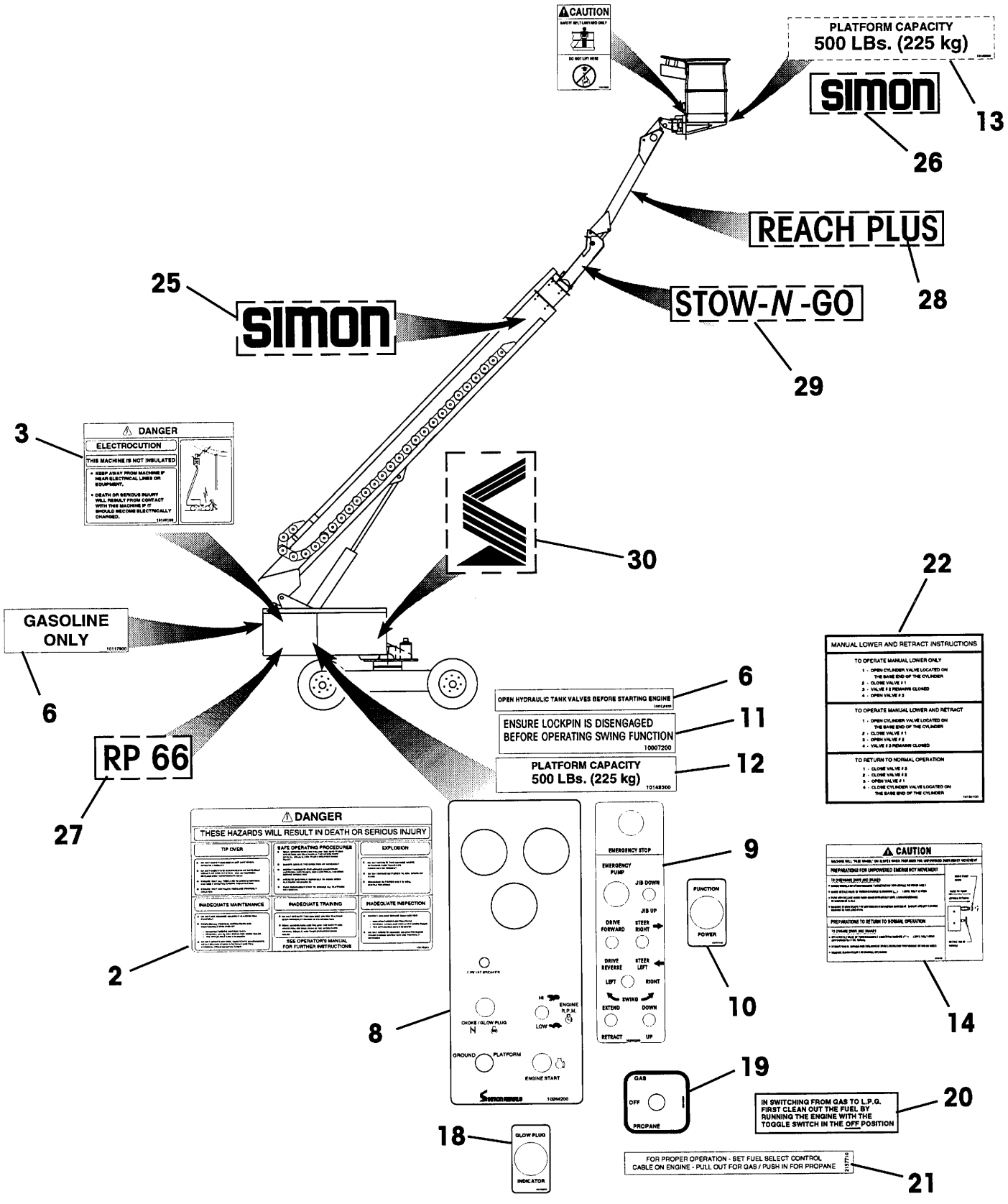
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, RP 66 "REACH PLUS" (Not available. Purchase 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	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
6			PLACARD, FUEL (Black type on white)	1
	10-117900		"GASOLINE ONLY"	
	10-151100		"DIESEL FUEL ONLY"	
7	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
8	10-264200		DECAL, GROUND ELECTRICAL CONTROLS	1
9	10-265200		PLATE, REMOTE CONTROL PENDANT	1
10	10-272100		DECAL, "FUNCTION POWER"	1
11	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	2
12	10-148300		DECAL, "Platform capacity 500 Lbs (225 kg)"	
			(4.5" [114 mm] wide, black letters on white background)	4
13	10-012900		DECAL, "FORWARD" (with arrow)	2
14	10-157100		DECAL, MANUAL BRAKE RELEASE	1
15	10-278100		PLACARD, PLATFORM CONTROLS	1
16	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
17	10-272600		DECAL, "CAUTION" ("Safety belt lanyard . . .")	2
18	10-115800		DECAL, "GLOW PLUG INDICATOR"	1
19	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
20	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ."	
			(for "Dual fuel" versions)	1
21	10-108600		DECAL, "FOR PROPER OPERATION - SET FUEL . . ."	
			(for "Dual fuel" versions. Replaces 215 7710)	1
22	10-150100		DECAL, MANUAL LOWER AND RETRACT INSTRUCTION	
			(for versions with optional manual lowering valves)	1
23	10-094700		DECAL, "CAUTION, HOT WATER . . ."	
			(for versions with liquid cooled engine)	1
24	10-094900		DECAL, "CAUTION, ROTATING FAN . . ."	
			(for versions with Ford engine)	1

TITLE: DECALS, RP 66 (WITH SIMCON CONTROLS)

SECTION F99. | PLATE NO. 206 | PAGE 01 | REV. - | DATED 05 MAR., 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



Left (Control) side. See following page for Right side decals.

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

TITLE					
DECALS, RP 66 (WITH SIMCON CONTROLS)					
PART NO.	REV. -	DATED 05 MAR., 1997	SECTION F99.	PLATE NO. 206	PAGE 01

PARTS LIST

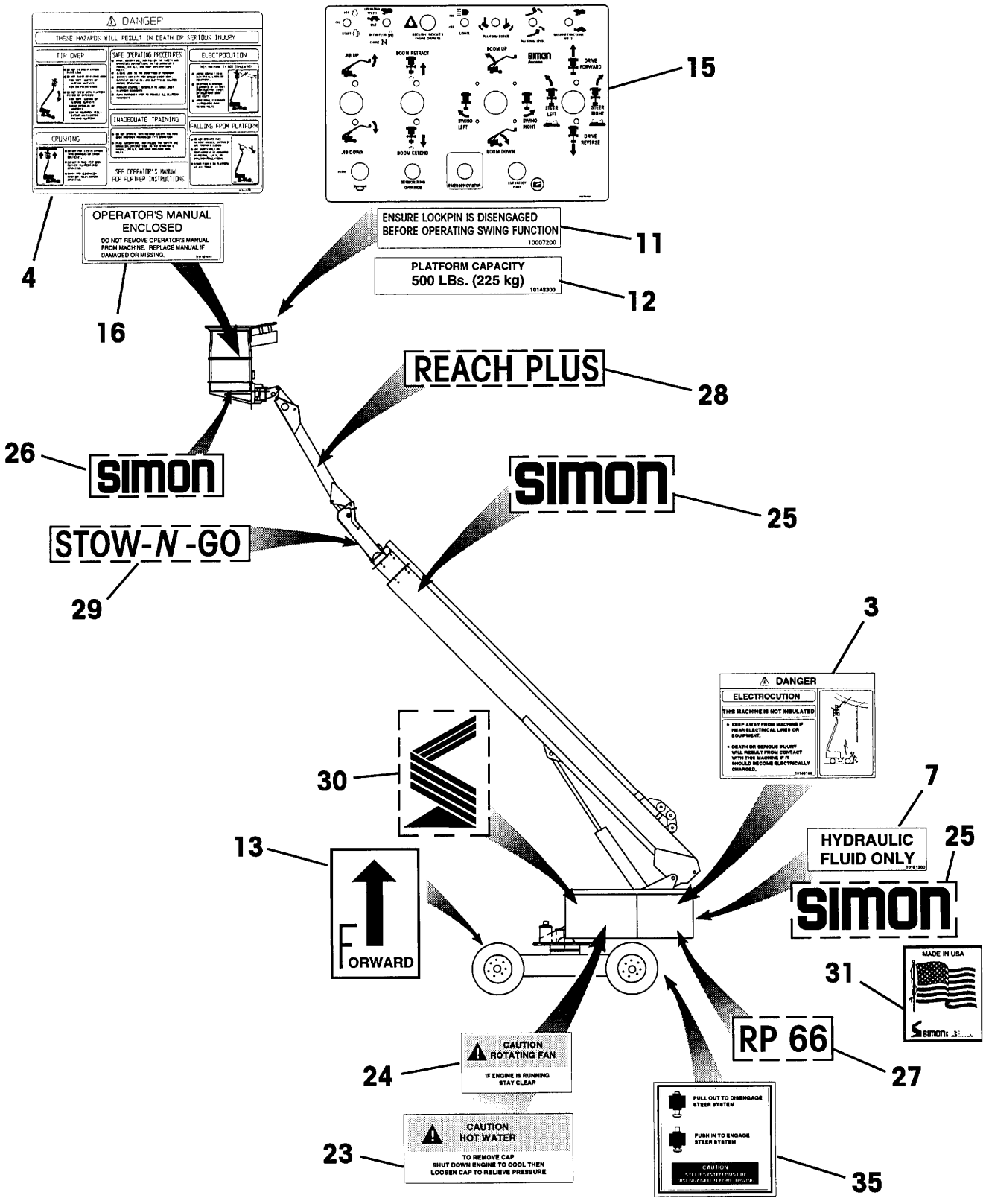
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	10-017100		DECAL, "SIMON" NAME (Black, 7.0" [178 mm] high)	3
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30	10-131900		DECAL, SIMON "S" LOGO	
			(Orange/ Gray, 9.0" [229 mm] wide x 13.5" [344 mm])	2
31	10-121600		DECAL, "MADE IN U.S.A."	1
32	10-126800		DECAL, STRIPE ([4] Orange stripes, 3.75" [95 mm] wide)	
			(Bulk item, order as needed. 28 ft [8.5 m] used here)	A.R.
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35	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...")	
			(for versions with optional tow package)	1

TITLE

DECALS, RP 66 (WITH SIMCON CONTROLS)

SECTION	PLATE NO.	PAGE	REV.	DATED	PART NO.
F99.	206	02	-	05 MAR., 1997	

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TITLE: DECALS, RP 66 (WITH SIMCON CONTROLS)

PART NO.	REV.	DATED	SECTION	PLATE NO.	PAGE
	-	05 MAR., 1997	F99.	206	02