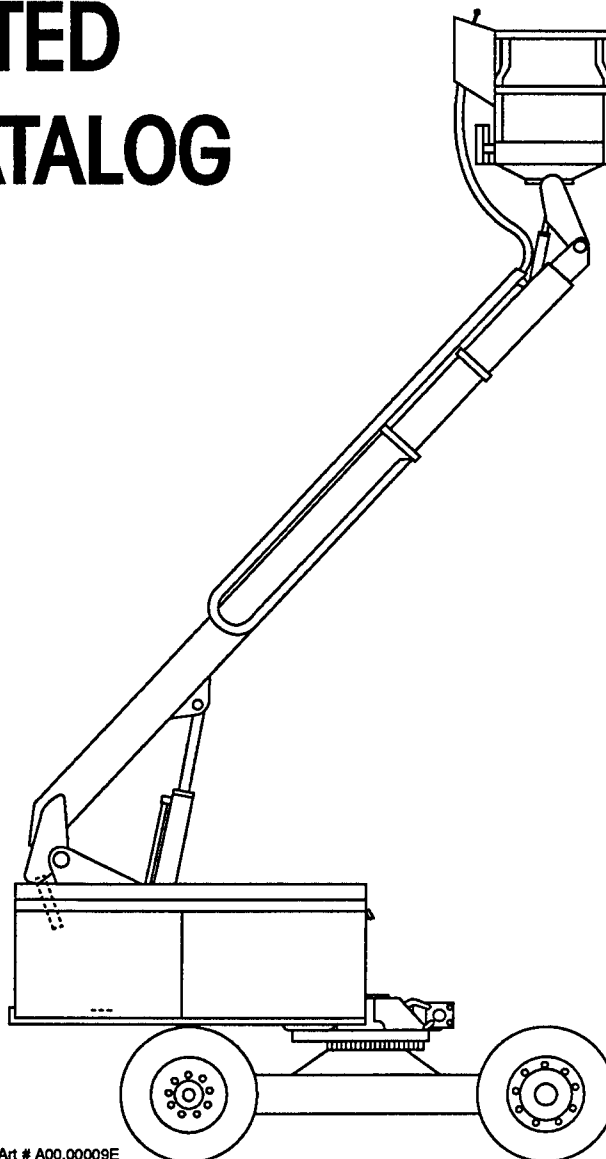


MODEL MPH 80

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art # A00.00009E

Part No. 89-182005

INTRODUCTION

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

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

HOW TO USE THIS CATALOG

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

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

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

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

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

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

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

Serial Number for your machine

SECTION INDEX

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

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

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

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

When ordering parts, always give:

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

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

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

Serial Number for your machine

SECTION INDEX

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

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

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

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



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

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

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

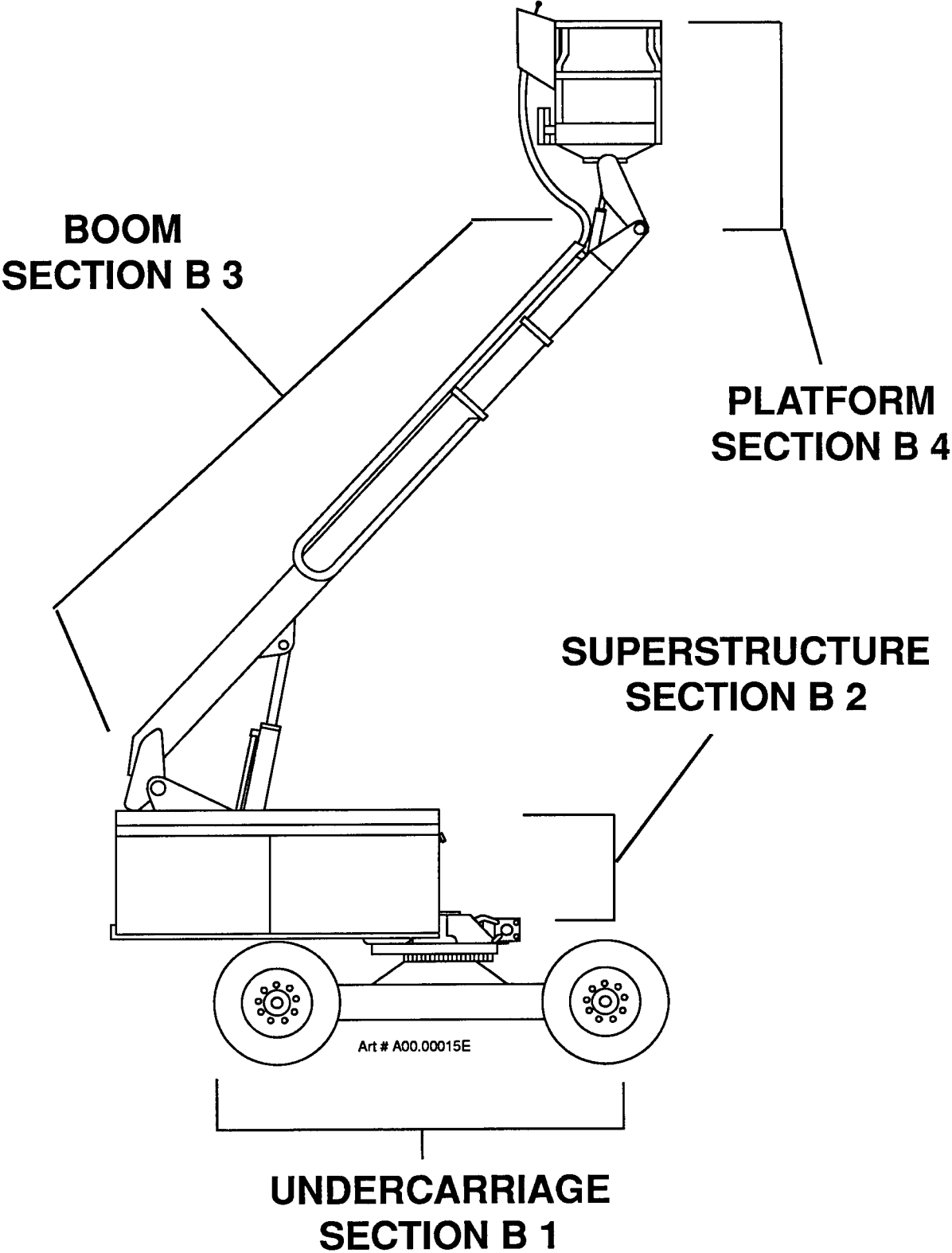
If a part number is not listed for a selected item, please provide this additional information:

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

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

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

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



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

PARTS LIST

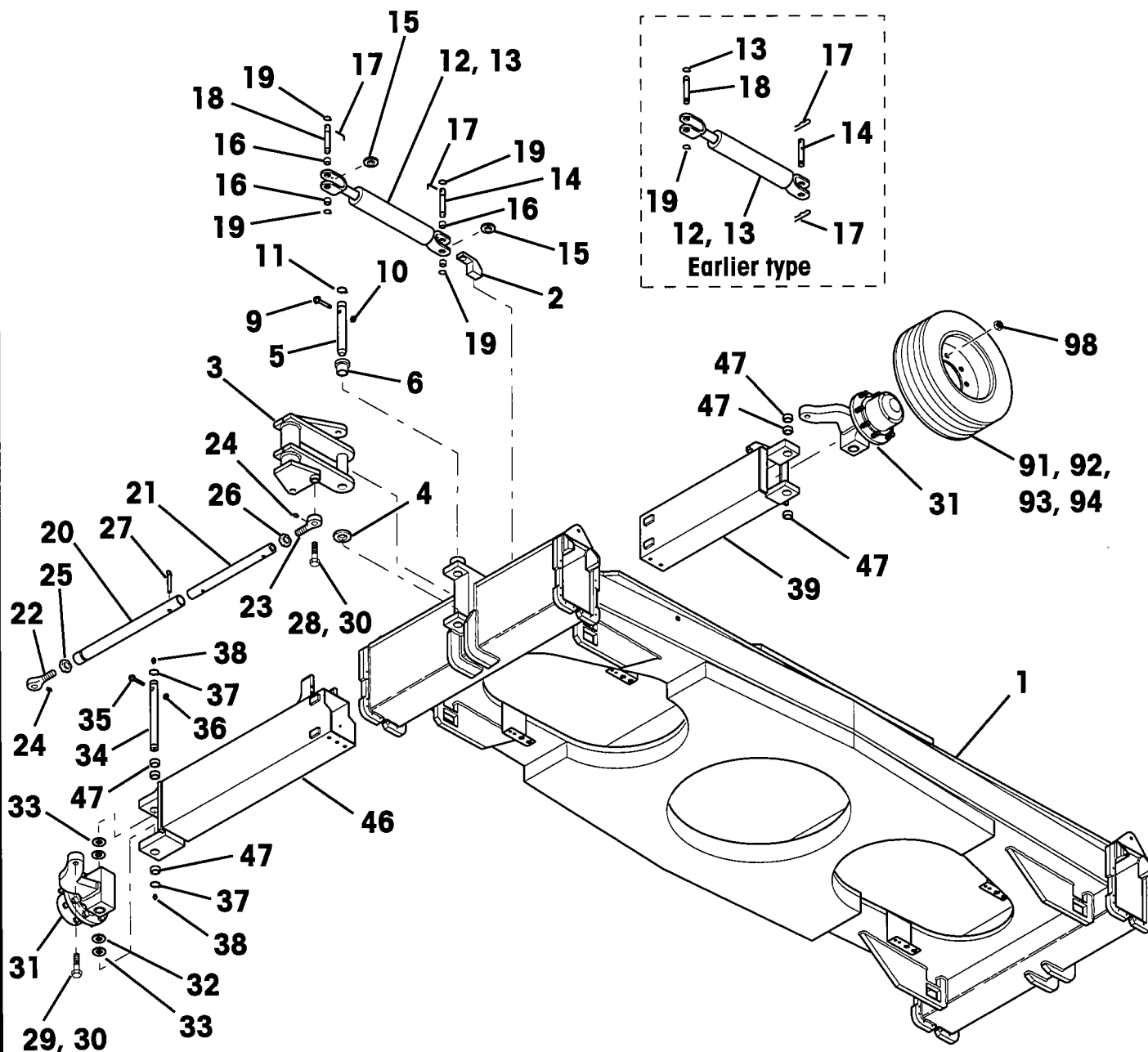
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This undercarriage for long reach, heavy capacity MP or RP series (MPH 80, MP 95, MP 110, RP 120) with extendable axles. For 4WD components, see plate B01.28.	
1	209 5804		UNDERCARRIAGE WELDMENT (for two-wheel drive)	1
2	232 8170		EAR, STEER CYLINDER MOUNTING (must be welded in place)	1
3	209 5932 (style 1) (style 2)		ARM, CENTER STEER (without tow package) specify drilled for 1" dia. steer cylinder pin (no bearings). specify drilled for 1-1/4" O.D. steer cylinder pin bearings.	1
			(Note: with tow package, also order tow bar pin tube, part number 210 3600. Welding required.)	
4	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	2
5	208 9962		PIN, STEER ARM (1-1/2" dia. x 19" long)	1
6	08-002000		BEARING, FLANGED (1-1/2" I.D., 1-3/4" O.D., with 2" flange)	1
7	08-050000		FITTING, GREASE (1/8", straight)	3
8	08-066300		CAP, GREASE FITTING (White plastic)	3
9	07-003095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 5)	1
10	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
11	08-040900	D01. - -	RING, RETAINING (1.5")	1
12	See index		CYLINDER, STEER	1
13	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
14	04-003401 232 8180		PIN, STEER CYLINDER (base end) Early type (1" dia. x 3-1/2" long, used with hairpin clip) Later type (1" x 3-15/16", used with "L" pin 219 7360)	1
15	08-080500		WASHER, BEARING (1" I.D., 1-5/8" O.D., 1/8" thick)	2
16	08-070400		BEARING, SLEEVE (used with later style pins) (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	4
17	04-003404 219 7360		CLIP, HAIR PIN (for earlier style pins) PIN, LOCK ("L"-type, 2" [51 mm] long, for later style pins)	2 2
18			PIN, STEER CYLINDER (rod end)	
	217 1250 232 8180		Early type (1" dia. x 3-7/16" long, used with hairpin clip) Later type (1" x 3-15/16", used with "L" pin 219 7360)	1 1
19	08-040600		RING, RETAINING (1") (2 used with earlier pins, 4 later)	A.R.

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

SECTION **B01.** | PLATE NO. **12** | PAGE **01** | REV. **A** | DATED 10 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 #B01.12004E

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 ASSEMBLY (2WD)

PART
NO.

REV. A

DATED
10 OCT., 1996

SECTION

B01.

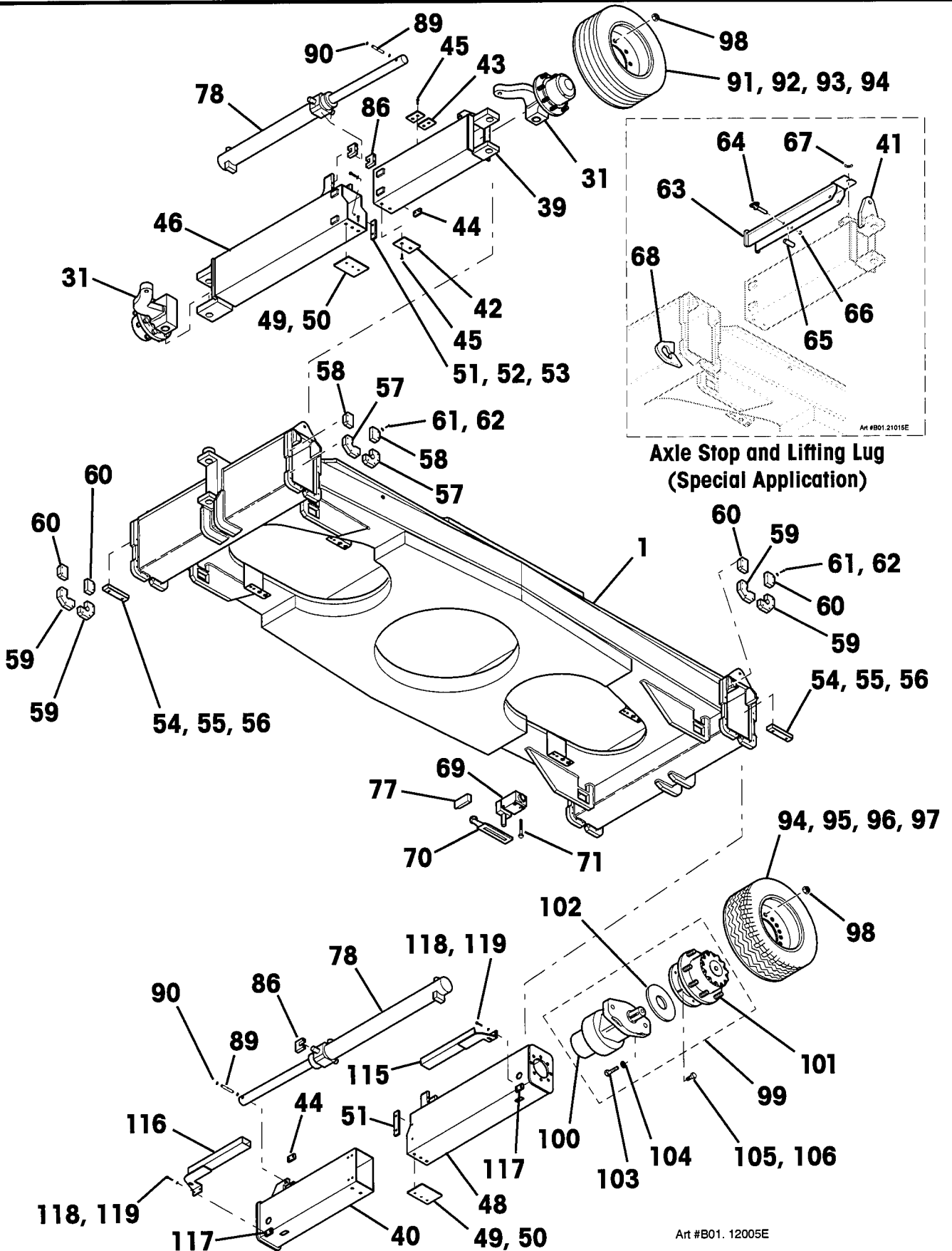
PLATE NO.

12

PAGE

01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20	209 1367		TIE ROD (outer)	2
21	209 1358		TIE ROD (inner)	2
22	08-016800		END, TIE ROD (Right hand thread) (includes grease fitting)	2
23	08-016900		END, TIE ROD (Left hand thread) (includes grease fitting)	2
24	08-053100		FITTING, GREASE (1/4"-28, Straight)	4
25	07-090004		NUT, JAM (1-1/4"-12, Right hand thread)	2
26	07-090005		NUT, JAM (1-1/4"-12, Left hand thread)	2
27	07-080001		PIN, HITCH (3/4" x 3")	2
28	07-090008		CAP SCREW, HEX HEAD (1"-8 x 3-1/2", Grade 8)	2
29	07-090009		CAP SCREW, HEX HEAD (1"-8 x 5", Grade 8)	2
30	07-090011		NUT, TOP LOCK (1"-8)	2
31	See plate . .	C01. - -	SPINDLE ASSEMBLY (for two-wheel drive)	2
32	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	4
33	214 2180		RETAINER, STEER SPINDLE THRUST WASHER	4
34	209 1419		PIN, SPINDLE (1-1/2" dia. x 14-5/16" long)	2
35	07-004102		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)	2
36	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
37	08-040900		RING, RETAINING (1-1/2")	4
38	08-051300		FITTING, GREASE (1/4"-28, 90°)	4
39			TUBE ASSEMBLY, STEER AXLE (inner)	1
	209 1176		without lifting lug (Standard version)	
40	233 9840		with lifting lug (Special application. See Item 41)	
	214 2040		TUBE ASSEMBLY, NON STEER AXLE (inner)	1
			without lifting lug (Standard version)	
	233 1330		with lifting lug (Special application. See Item 41)	
41	233 1180		LUG, LIFTING (Welded to axle tubes. Special application)	4
42	209 1329		PLATE, INNER AXLE TUBE WEAR (lower)	2
43	213 0340		PLATE, INNER AXLE TUBE WEAR (upper) (earlier versions)	4
	230 2270		BEARING PAD AND STOP (inner axle) (later versions)	8
44	209 1279		PLATE, INNER AXLE TUBE WEAR (side)	4
45	07-090069		CAP SCREW, FLAT HEAD (1/2"-13 x 1", Grade 5) (earlier versions)	12
	07-090035		CAP SCREW, FLAT HEAD (1/2"-13 x 1-1/2", Grade 5) (later versions)	16
46			TUBE ASSEMBLY, STEER AXLE (outer)	1
	209 1181		without lifting lug (Standard version)	
	233 9860		with lifting lug (Special application. See Item 41)	
47	08-014000		BEARING, SLEEVE (Bronze) (1-1/2" I.D., 1-3/4" O.D., 1-1/2" long)	6
48			TUBE ASSEMBLY, NON STEER AXLE (outer)	1
	214 2020		without lifting lug (Standard version)	
	233 1320		with lifting lug (Special application. See Item 41)	
TITLE			UNDERCARRIAGE ASSEMBLY (2WD)	
SECTION	B01.	PLATE NO. 12	PAGE 02	REV. A
			DATED 10 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				



**Axle Stop and Lifting Lug
(Special Application)**

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 ASSEMBLY (2WD)

PART
NO.

REV. **A**

DATED
10 OCT., 1996

SECTION

B01.

PLATE NO.

12

PAGE

02

PARTS LIST

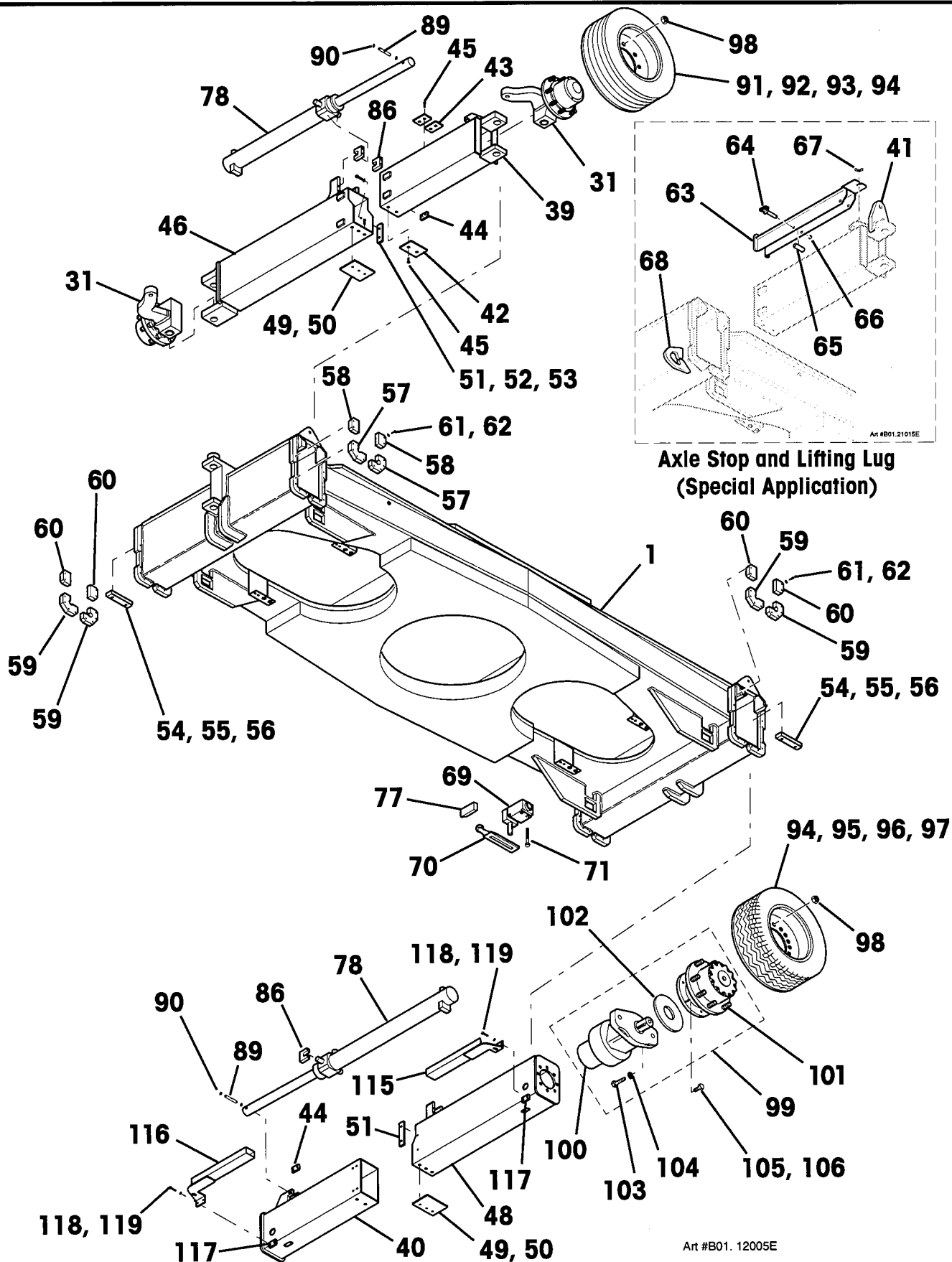
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
49	209 1334		PLATE, OUTER AXLE TUBE WEAR (lower)	2
50	07-090069		CAP SCREW, FLAT HEAD (1/2"-13 x 1", Grade 5)	6
51	209 1297		PLATE, OUTER AXLE TUBE WEAR (side)	2
52	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5) (to attach side wear plates. Grind flush after installation)	4
53	07-065018		WASHER, HELICAL LOCK (1/2")	4
54	209 1284		STOP BAR, OUTER AXLE TUBE (upper)	2
55	07-004154		CAP SCREW, HEX HEAD (3/4"-10 x 3-1/4", Grade 8) (to attach stop bar to undercarriage)	4
56	07-065022		WASHER, HELICAL LOCK (3/4")	4
57	209 0922		RETAINER, AXLE (inner tube lower) (Drill at assembly) without lifting lug (4 for std version, 2 when lifting lugs are fitted.)	
	234 4020		with lifting lug (Two required for special application. See Item 41)	
58	209 0940		RETAINER, AXLE (inner tube upper) (Drill at assembly)	4
59			RETAINER, AXLE (outer tube lower) (Drill at assembly)	
	209 0870		without lifting lug (Four required for standard version, two needed when lifting lugs are fitted.)	
	234 4010		with lifting lug (Two required for special application. See Item 41)	
60	209 0937		RETAINER, AXLE (outer tube upper) (Drill at assembly)	4
61	07-004133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)	48
62	07-065021		WASHER, HELICAL LOCK (5/8")	48
63	233 1260		STOP/ COVER, AXLE CYLINDER (special application)	2
64	Call Simon		PIN, HITCH (Axle extend stop retaining)	4
65	233 1370		TUBE, HITCH PIN COVER	4
66	Call Simon		RING, RETAINING	4
67	Call Simon		NUT, WING	4
68	233 3400		LUG, TIE DOWN (special application)	4
69	03-493800		SWITCH, LIMIT (side rotary) (2 normally open, 2 normally closed contacts)	4
70			ARM, LIMIT SWITCH	4
	03-494300		Fixed roller, 2-1/2" length (earlier version)	
	03-494200		Adjustable roller, 1" to 3-3/4" length (current version)	
71	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	8
72	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	4
73	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item. 44 ft [13.4 m] required this application)	A.R.
74	10-060600		CLAMP (3/8")	8
75	07-050014		NUT, LOCK (1/4"-20, Grade 5)	6
76	07-062014		WASHER, FLAT (1/4")	6

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

SECTION **B01.** | PLATE NO. **12** | PAGE **03** | REV. **A** | DATED 10 OCT., 1996 | PART NO.

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



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

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

PART
NO.

REV.

A

DATED

10 OCT., 1996

SECTION

B01.

PLATE NO.

12

PAGE

03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
77	211 4480	D22. - -	BLOCK, LIMIT SWITCH ACTUATOR (must be welded to axle tube)	4
78	See index		CYLINDER, AXLE EXTEND	2
79	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	4
80	234 2470		TUBE ASSEMBLY, HYDRAULIC	2
81	06-015000		UNION (6 HTX-S)	2
82	205 4670		CLAMP, HOSE (2 hole, #4)	2
83	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
84	07-065015		WASHER, HELICAL LOCK (5/16")	2
85	07-062015		WASHER, FLAT (5/16")	2
86	209 0977		RETAINER, AXLE EXTEND CYLINDER (Trunnion mount)	4
87	07-003092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 5)	8
88	07-065018		WASHER, HELICAL LOCK (1/2")	8
89	209 1400		PIN, AXLE CYLINDER (rod end) (1" dia. x 3-3/4" long)	2
90	08-040600		RING, RETAINING (1")	4
91	350 9180 351 2060		TIRE AND WHEEL ASSEMBLY, STEER Liquid filled Foam filled	2
92	02-003700		TIRE (15-22.5, 16 Ply, Tubeless, non-directional tread)	1
93	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
92	02-038600		TIRE, NON MARKING (Optional 12" x 20" solid tire)	2
93	219 6870		WHEEL ASSEMBLY (Two piece, 20" x 8", for optional solid tire only) Earlier version (wheel offset dimension "X" = 7.5" [190 mm])	2
	02-043900		Current version (wheel offset dimension "X" = 6.5" [165 mm])	
94	02-047000		TUBE, INNER (optional with liquid filled tires)	2
95	351 1440		TIRE AND WHEEL ASSEMBLY, DRIVE Liquid filled	2
	351 2050		Foam filled	
96	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
97	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
96	02-038600		TIRE, NON MARKING (Optional 12" x 20" solid tire)	2
97	219 6870		WHEEL ASSEMBLY (Two piece, 20" x 8", for optional solid tire only) Earlier version (wheel offset dimension "X" = 7.5" [190 mm])	2
	02-043900		Current version (wheel offset dimension "X" = 6.5" [165 mm])	

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

SECTION

B01.

PLATE NO.

12

PAGE

04

REV.

A

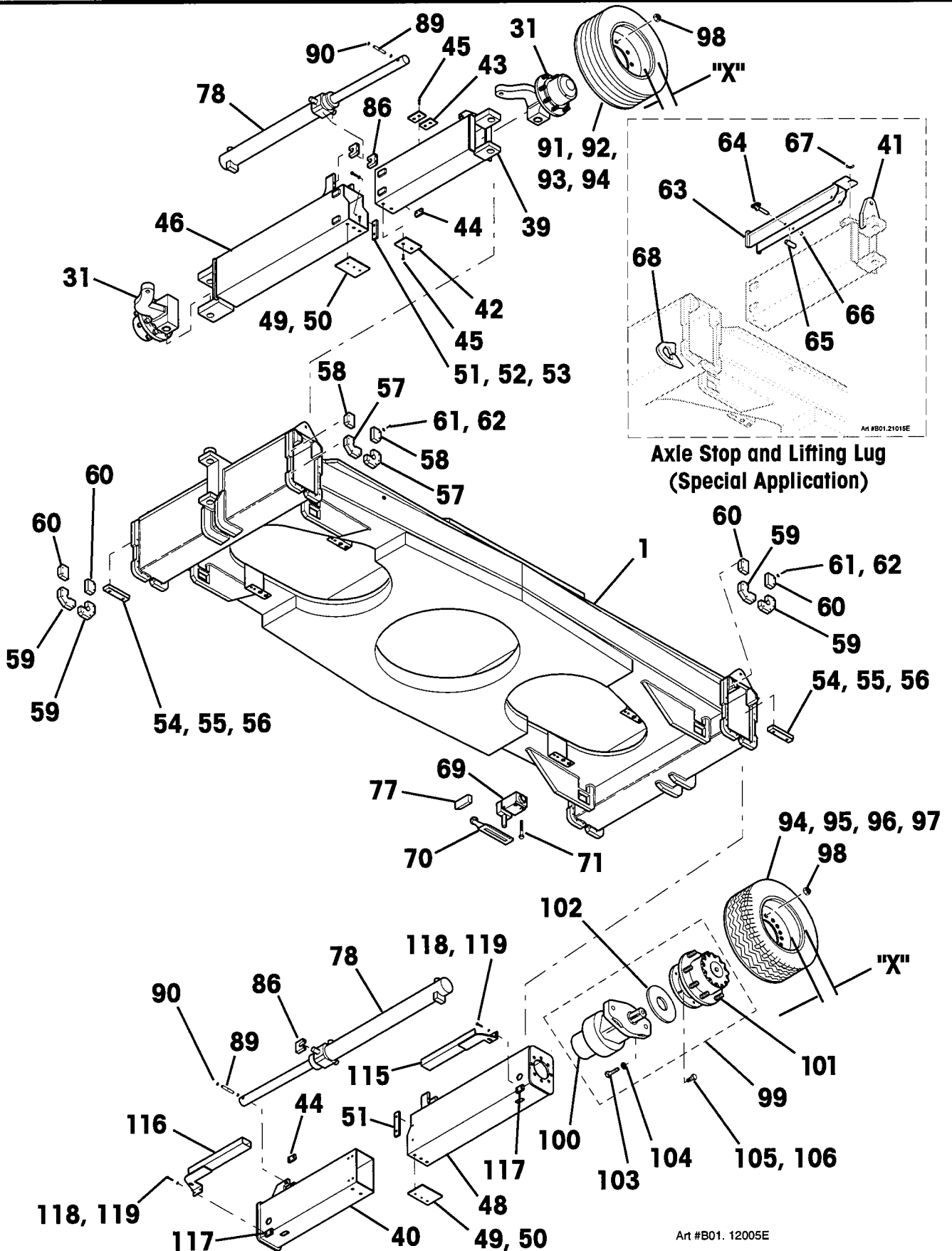
DATED

10 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



**Axle Stop and Lifting Lug
(Special Application)**

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 ASSEMBLY (2WD)

PART
NO.

REV.
A

DATED
10 OCT., 1996

SECTION

B01.

PLATE NO.

12

PAGE

04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
98	07-058123		NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40
99	351 0540		DRIVE HUB ASSEMBLY for Two-Wheel Drive versions	2
	351 7670		for Four-Wheel Drive versions	
100	See index	D03. - -	MOTOR, HYDRAULIC	1
101	See index	F01. - -	HUB, TORQUE	1
102	01-030900		SEAL	1
103	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
104	07-065018		WASHER, HELICAL LOCK (1/2")	2
105	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
106	07-061021		WASHER, FLAT (5/8", hardened) (some versions)	16
	07-065021		WASHER, HELICAL LOCK (5/8") (some versions)	16
107	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
108	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	2
109	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
110	214 1980		TUBE, HYDRAULIC (Drive motor, right) (not shown)	1
111	214 1990		TUBE, HYDRAULIC (Drive motor, left) (not shown)	1
112	07-003037		CAP SCREW, HEX HEAD (5/16"-18 x 4-1/2")	4
113	07-062015		WASHER, FLAT (5/16")	8
114	07-050015		NUT, STOP (5/16"-18)	4
115	214 2270		CARRIER, HOSE (non-steer axle, left)	1
116	214 2280		CARRIER, HOSE (non-steer axle, right)	1
117	209 1486		FLAT, DRIVE HOSE CARRIER (must be welded to drive tubes)	2
118	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	
			(to attach hose carriers)	4
119	07-065018		WASHER, HELICAL LOCK (1/2")	4
120	06-033800		90° ELBOW, BULKHEAD UNION (12 WETX-S)	2
121	217 6990		WASHER (modified Fender Washer 10-002600, 1/2" I.D., 2" O.D.)	2

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

SECTION

B01.

PLATE NO.

12

PAGE

05

REV.

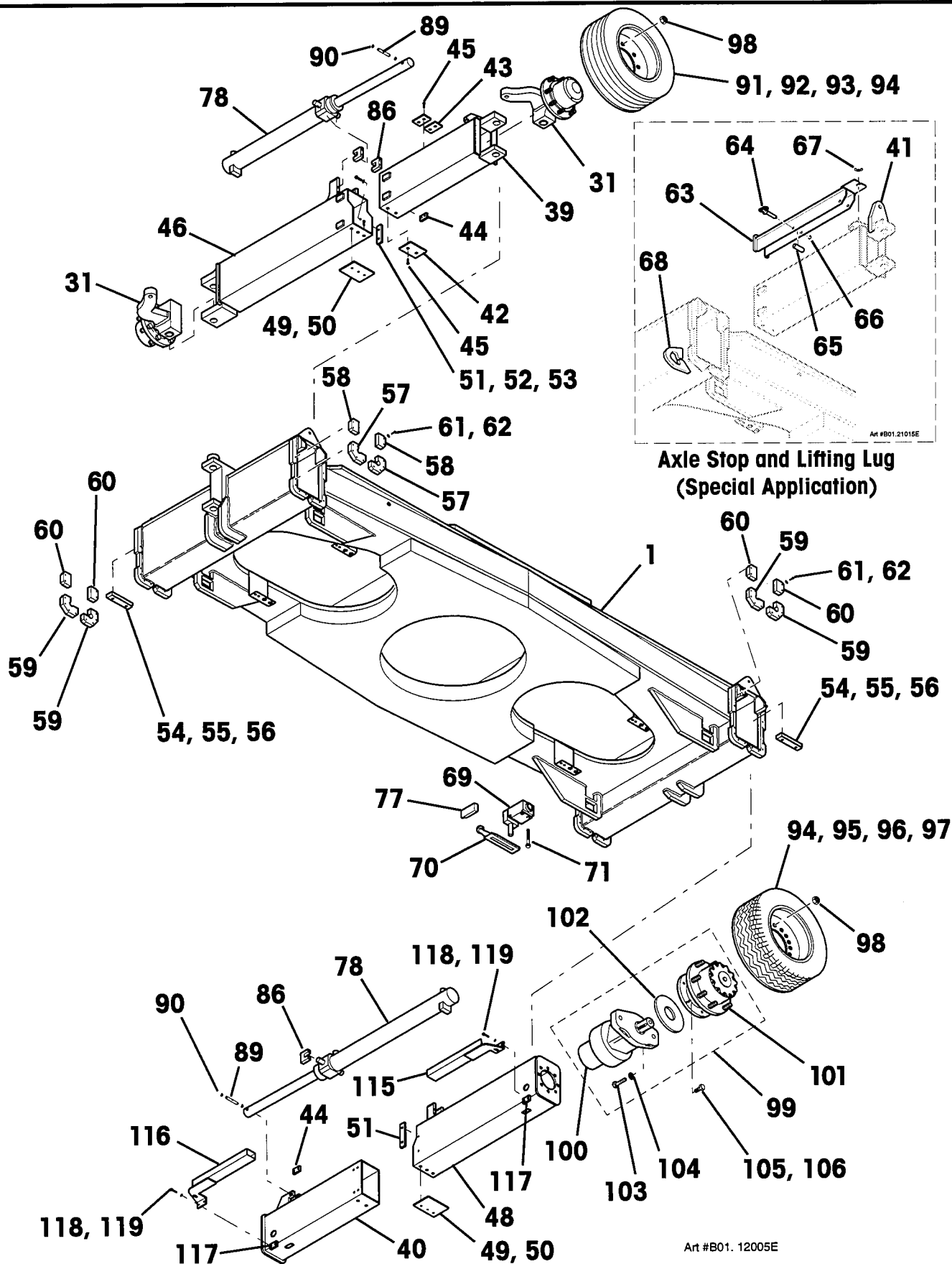
A

DATED

10 OCT., 1996

PART NO.

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



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

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

PART NO.

REV.

A

DATED

10 OCT., 1996

SECTION

B01.

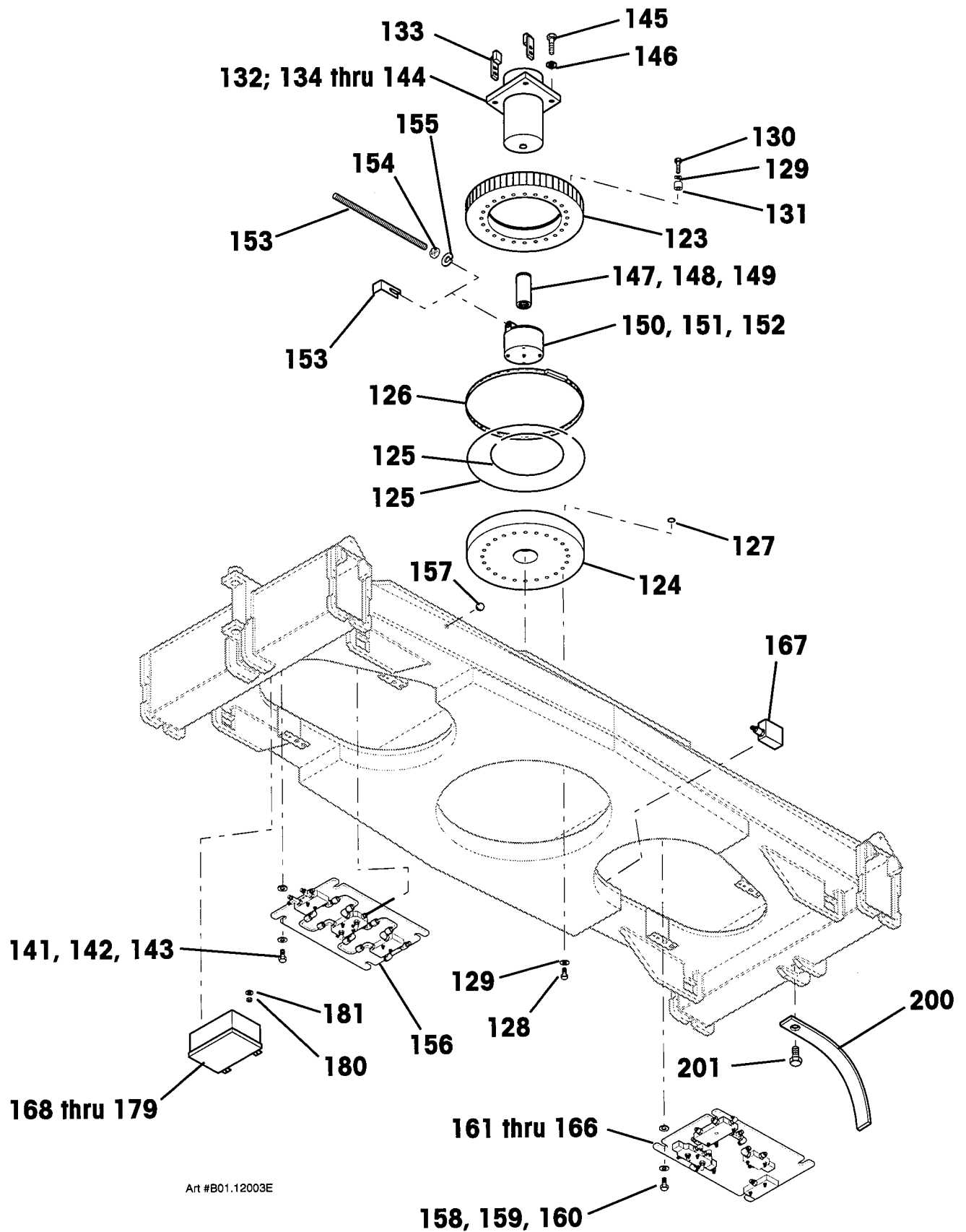
PLATE NO.

12

PAGE

05

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
122	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1	
123	08-015000		SWING BEARING	1	
124	208 8419		PAN, SWING BEARING OIL	1	
125	10-005500		SEAL, BEARING (Bulk item, order as needed. 17 Ft [5.2 M] used in this application)	A.R.	
126	09-047600		CLAMP KIT, SEAL (1/2" wide stainless steel, with hardware) (50 Ft [15.2 M] in kit is sufficient for two applications)	A.R.	
127	01-040400		"O"-RING	18	
128			CAP SCREW, HEX HEAD (Swing bearing to undercarriage)		
	07-004160		some earlier versions (3/4"-10 x 6-1/2", Grade 8)	18	
	07-004162		current versions (3/4"-10 x 6", Grade 8)	18	
129	07-061022		WASHER, FLAT (Hardened, 3/4" SAE)	49	
130			CAP SCREW, HEX HEAD (Swing bearing to superstructure)		
	07-004158		(3/4"-10 x 4-1/2", Grade 8)	20	
	07-004162		(3/4"-10 x 6", Grade 8)	11	
131	209 3349	D02. - -	SPACER	11	
132	See index		SWIVEL, HYDRAULIC	1	
133	210 1030		STOP, SWIVEL	2	
134	06-041100		Port 1, Hydraulic Swivel bottom section: ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	1	
135	06-045600		Port 2, bottom section: 90° ELBOW, "O"-RING TO 37° (12-16 C50X-S) Port 3, bottom section:	1	
136	06-050100		BRANCH TEE, MALE "O"-RING (8 S50X-S)	1	
137	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	2	
138	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1	
139	06-044700		Ports 4, 5 and 6, bottom section: 90° ELBOW, "O"-RING TO 37° (6-8 C50X-S) Ports 1 and 2, Hydraulic Swivel top section:	3	
140	06-091900		REDUCER/ EXPANDER (16-12 F50 G5-S)	2	
141	06-047400		45° ELBOW, "O"-RING TO 37° (12 V50X-S) Port 3, top section:	2	
142	06-047100		45° ELBOW, "O"-RING TO 37° (8 V50X-S) Ports 4, 5 and 6, top section:	1	
143	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	2	
144	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1	
145	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4	
146	07-065018		WASHER, HELICAL LOCK (1/2")	4	
147	06-071400		REDUCER, PIPE THREAD (12-8 PTR)	1	
148	11-020010		NIPPLE, PIPE	1	
TITLE				UNDERCARRIAGE ASSEMBLY (2WD)	
SECTION	B01.	PLATE NO.	12	PAGE	06
REV.	A	DATED	10 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 #B01.12003E

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 ASSEMBLY (2WD)

PART
NO.

REV.
A

DATED
10 OCT., 1996

SECTION

B01!

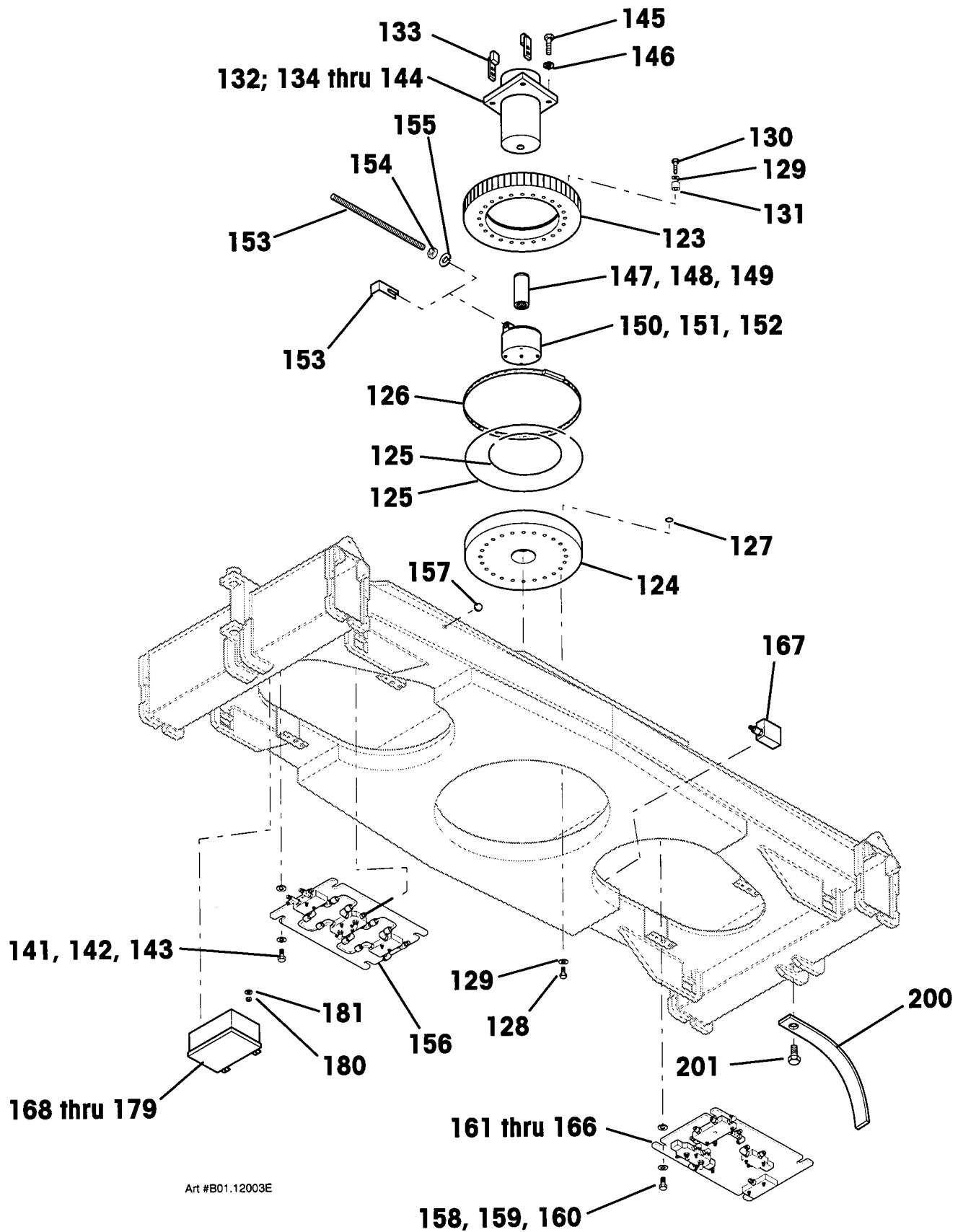
PLATE NO.

12

PAGE

06

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
149	206 7559		ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL	1	
150			SWIVEL ASSEMBLY, ELECTRICAL	1	
	03-438500		6 circuit (current version)		
	03-038200		4 circuit (Older version, no longer available. Use 03-438500)		
151			GRIP, CORD	1	
	03-501700		90°, with .50" to .63" seal (optional with 03-501600)		
	03-501600		3/4", 90°, for 5/8" O.D. cable (optional with 03-501700)		
152	03-447600		CABLE, ELECTRICAL (6 conductor, #16 AWG) (Bulk item. 27 ft [7.9 m] required this application)	A.R.	
153	207 0746		LOCK, ELECTRICAL SWIVEL (some earlier units)	1	
	11-007006		ROD, THREADED (1/2"-13 x 18" long) (on later units)	1	
154	07-040018		NUT, HEX (1/2"-13, Grade 5)	1	
155	07-065018	C12.01	WASHER, HELICAL LOCK (1/2")	1	
156	351 6830		SELECTOR VALVE ASSEMBLY (Steer/ Axle extend)	1	
157	10-042400		KNOB, BALL (Plastic)	1	
158	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	8	
159	07-065016		WASHER, HELICAL LOCK (3/8")	4	
160	07-062016		WASHER, FLAT (3/8")	16	
161	See plate . .	C12.02 C12.03	VALVE ASSEMBLY, DRIVE for standard versions without optional 2 speed drive for 2 wheel drive versions with optional 2 speed drive	1	
162	06-033300		90° ELBOW, BULKHEAD UNION (4 WETX-S)	2	
163	06-033500		90° ELBOW, BULKHEAD UNION (6 WETX-S)	2	
164	06-033800		90° ELBOW, BULKHEAD UNION (12 WETX-S)	4	
165	06-054300		RUN TEE, 37° FEMALE SWIVEL NUT (4 R6X-S)	1	
166	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	1	
167	01-011400		VALVE, CARTRIDGE RELIEF	1	
168	352 0350		JUNCTION BOX ASSEMBLY, LIMIT SWITCH	1	
169	216 1190		BOX, JUNCTION (8" x 6" x 3-1/2") (203 x 152 x 89 mm)	1	
170	216 1200		SUBPLATE	1	
171	03-066200		BLOCK, TERMINAL (25 Amp, for 12 Ga. wire)	13	
172	03-039100		BLOCK, TERMINAL (Grounding, for 12 Ga. wire)	3	
173	03-066100		END PLATE, TERMINAL BLOCK	1	
174	03-051700		RAIL, CARRIER	1	
175	03-037200		GRIP, CORD (5/8", with .56" to .62" seal)	5	
176	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	5	
177	03-045500		GRIP, CORD (1/2", with .31" to .38" seal))	1	
178	03-055500		NUT, CONDUIT LOCK (1/2")	6	
179	07-090063		WASHER, EXTERNAL TOOTH LOCK (#6)	2	
180	07-040014		NUT, HEX (1/4"-20, Grade 5)	4	
TITLE			UNDERCARRIAGE ASSEMBLY (2WD)		
SECTION	B01.	PLATE NO.	12	PAGE	07
REV.	A	DATED	10 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 #B01.12003E

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 ASSEMBLY (2WD)

PART
NO.

REV.
A

DATED
10 OCT., 1996

SECTION

B01.

PLATE NO.

12

PAGE

07

PARTS LIST

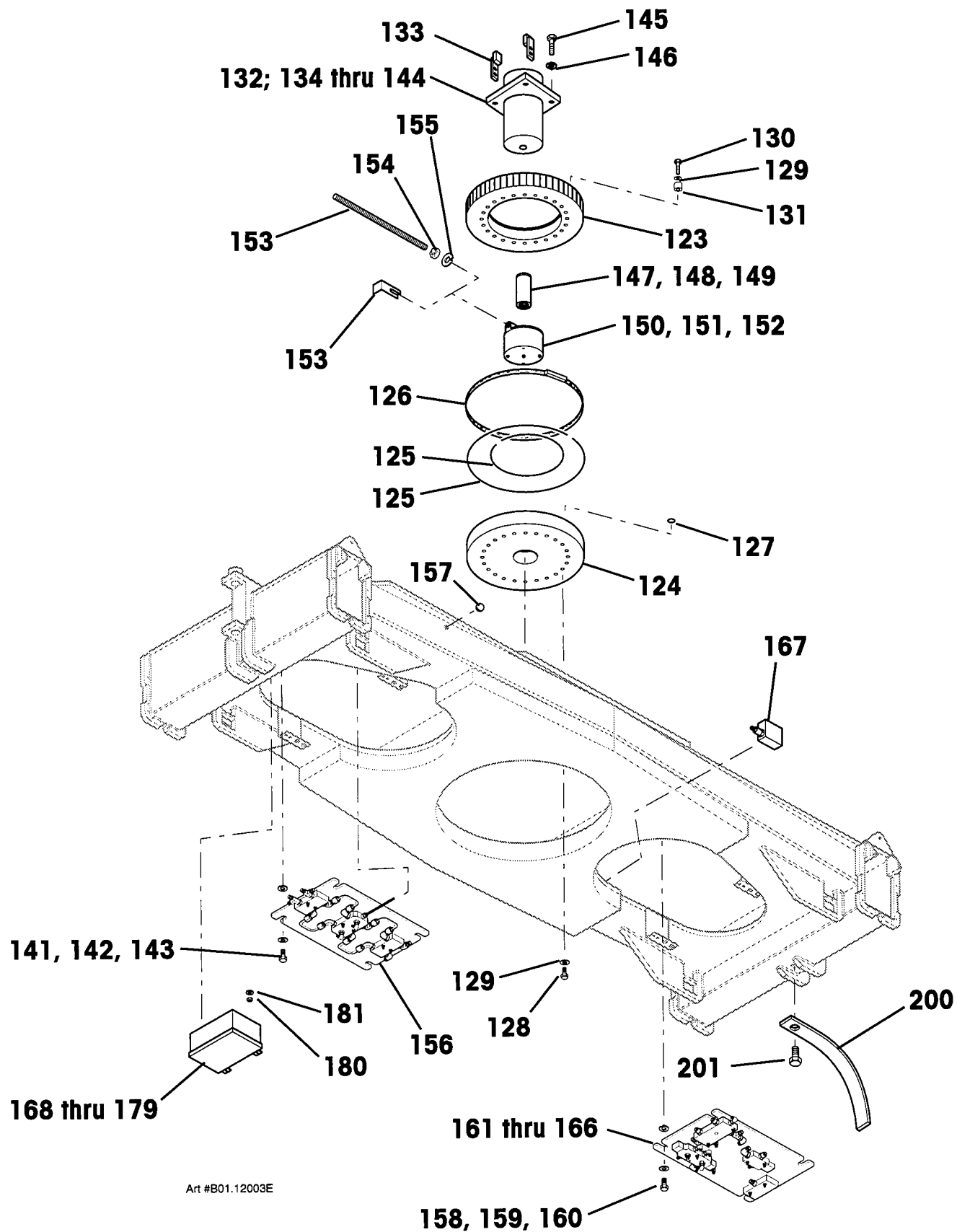
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
181	07-065014		WASHER, HELICAL LOCK (1/4")	4
182	352 0530		HOSE KIT, 2WD UNDERCARRIAGE for versions built prior to July, 1995	1
183	354 4410 03-088900		for versions built July, 1995 or later CABLE, ELECTRICAL (8 conductor, #16 AWG) (Bulk item. 26 ft [7.9 m] required this application)	A.R.
184	03-064700		TIE, CABLE (14-1/2" [37 cm] long)	8
185	03-066400		TIE, CABLE (20" [51 cm] long)	8
186	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	4
187	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
188	07-065014		WASHER, HELICAL LOCK (1/4")	2
189	07-062014		WASHER, FLAT (1/4")	2
190	10-060800		CLAMP (1/2")	34
			Items 174 through 179 are used only on versions with the two speed drive option:	
191			VALVE, SOLENOID (High/ Low Drive) (not shown)	1
	01-037100		3-way valve	
	01-230400		4-way valve	
192	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
193	06-000700		CONNECTOR, MALE (6 FTX-S)	1
194	06-054500		RUN TEE, 37° SWIVEL NUT (6 R6X-S)	A.R.
195	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
196	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
			The following optional items are available:	
197	10-042700		BOOT, STEER CYLINDER (not shown) (3" I.D., 4-1/2" O.D., 10" long)	1
198	09-008500		CLAMP, HOSE (3-1/2", worm type)	1
199	09-008700		CLAMP, HOSE (4-1/2", worm type)	1
200	03-472100		STRAP, GROUNDING (option)	1
201	07-058400		NUT, LUG (1/2"-13, Grade 8)	1

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

SECTION **B01.** | PLATE NO. **12** | PAGE **08** | REV. **A** | DATED 10 OCT., 1996 | PART NO.

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



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

TITLE

UNDERCARRIAGE ASSEMBLY (2WD)

PART
NO.

REV. A

DATED
10 OCT., 1996

SECTION

B01.

PLATE NO.

12

PAGE

08

PARTS LIST

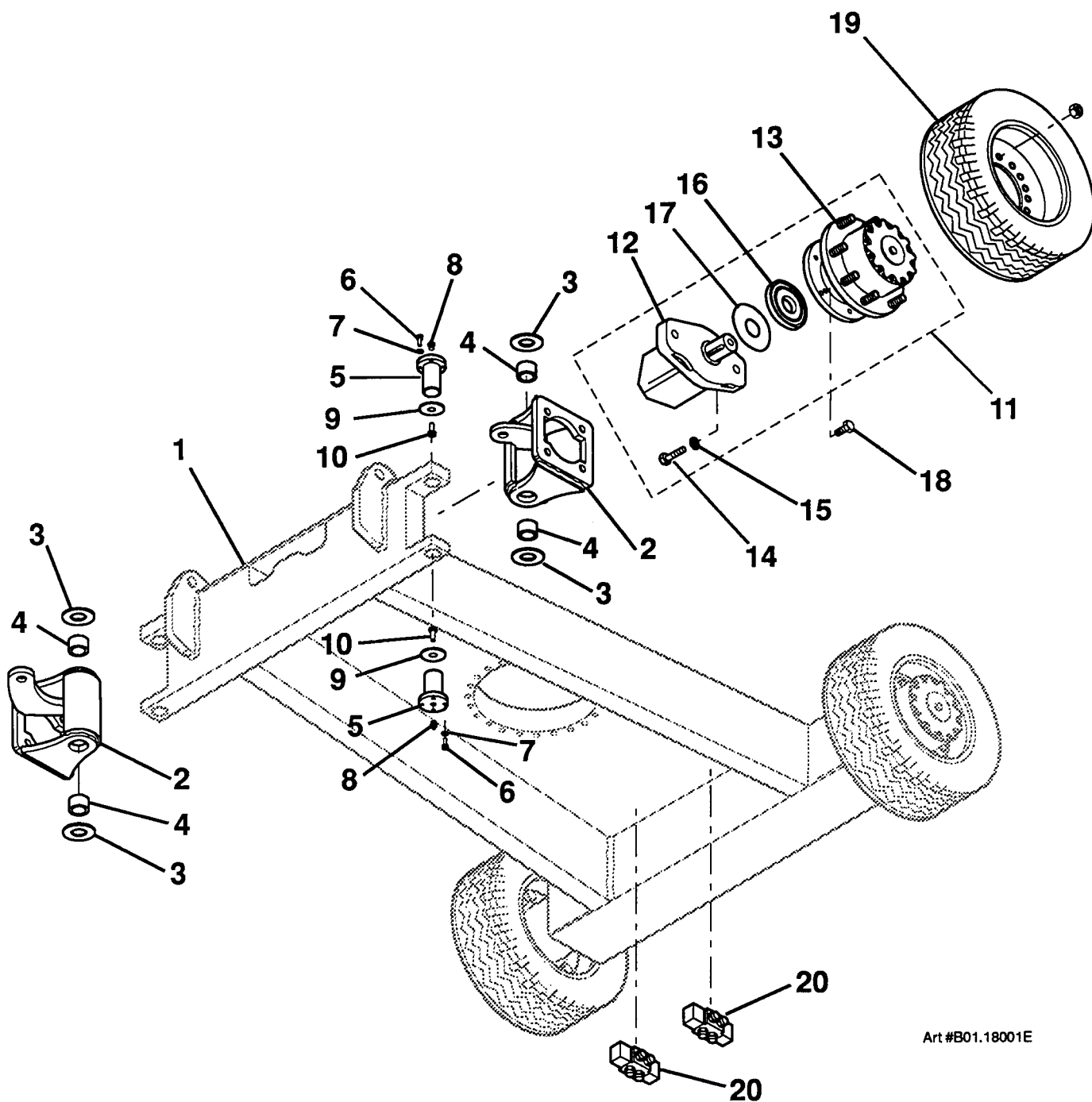
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			UNDERCARRIAGE WELDMENT (For four-wheel drive. Replaces part shown on 2WD plate.)	1
2	2024493		SPINDLE ASSEMBLY, FRONT DRIVE (Right hand)	1
	2024507		SPINDLE ASSEMBLY, FRONT DRIVE (Left hand) (For four-wheel drive. Replaces part shown on 2WD plate.)	1
3	08-004200		WASHER, THRUST (2-1/32" i.d., 3-5/8" o.d.) (For four-wheel drive. Replaces part shown on 2WD plate.)	4
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	2142180		RETAINER, STEER SPINDLE BUSHING	2
10	07-007083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	2
11			DRIVE HUB ASSEMBLY (steer wheels)	2
12	See index	D03.--	MOTOR, HYDRAULIC (without brake)	1
13	See index	F01.--	HUB, TORQUE	1
14	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
15	07-065018		WASHER, HELICAL LOCK (1/2")	2
16	01-030900		SEAL (used with torque hub having cast housing)	1
17	2176980		SPACER (used with torque hub having cast housing)	1
18	07-004087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	12
19			TIRE AND WHEEL ASSEMBLY, DRIVE (refer to drive wheel shown on 2WD plate.)	4
20	01-018100		VALVE, SELECTOR	2
			Note: Flow control valve (Needle valve) shown on 2WD Undercarriage page plate is not used with 2WD/ 4WD option.	

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

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

REV. 01/21/91

PART
NO.



Art #B01.18001E

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

SIMON AERIALS INC.

REV. 01/21/91

PART
NO.

PLATE
NO. B01.18

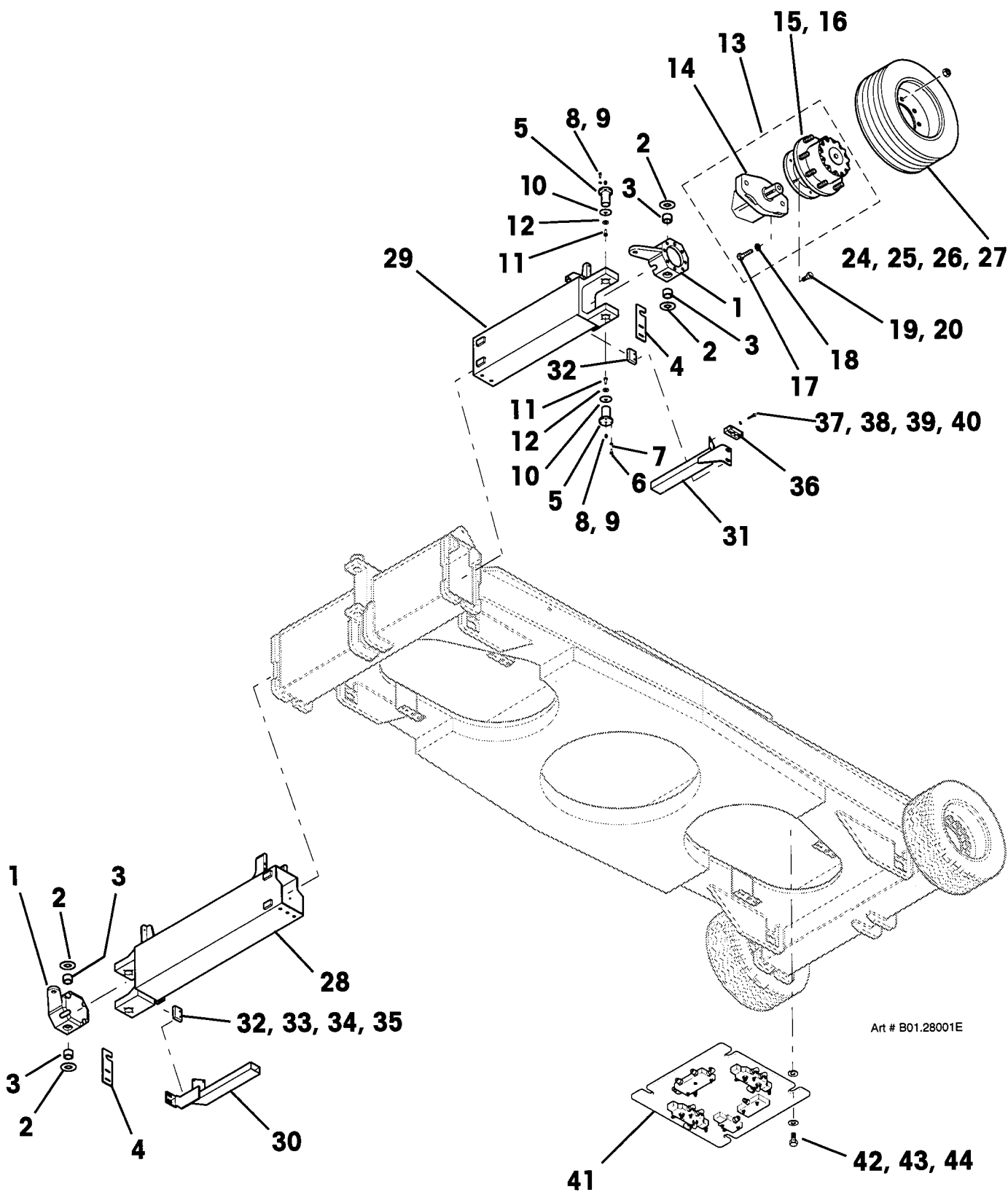
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	213 0590		SPINDLE ASSEMBLY, FRONT DRIVE (for four-wheel drive. Replaces part shown on 2WD plate.) Earlier version, without hose clamp bracket	2
2	214 2730 216 0130		Later version, with hose clamp bracket welded on WASHER, THRUST (2-1/2" I.D., 5" O.D.) (for four-wheel drive. Replaces part shown on 2WD plate.)	4
3	234 6830		BEARING, SLEEVE (2-1/2" I.D., 3" O.D., 1-3/4" long) (modified 08-061600)	4
4	217 2040		BRACKET, HOSE	2
5	214 2740 213 0490		PIN, STEER (for 4WD. Replaces part shown on 2WD plate.) earlier version current version	4
6	07-008045		CAP SCREW, SOCKET HEAD (3/8"-16 x 1", 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	214 2180		RETAINER, STEER SPINDLE BUSHING	4
11	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5) . . . or . . .	4
12	07-017083		CAP SCREW, BUTTON HEAD (1/2"-13 x 3/4", Grade 5)	4
13	07-065018		WASHER, HELICAL LOCK (1/2")	4
13	351 5780		DRIVE HUB ASSEMBLY (steer wheels)	2
14	See index	D03.- -	MOTOR, HYDRAULIC (without brake)	1
15	See index	F01.- -	HUB, TORQUE	1
16	01-030900		SEAL	1
17	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
18	07-065018		WASHER, HELICAL LOCK (1/2")	2
19	07-004128		CAP SCREW, HEX HD (5/8"-11 x 1-3/4", Grade 8)	8
20	07-061021		WASHER, FLAT (5/8", SAE, hardened)	8
21	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	4
22	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	2
23	235 5160		90° ADAPTER, BENT STEM (modified 4 IT3-12-12)	2
24			TIRE AND WHEEL ASSEMBLY, DRIVE/ STEER	2
	351 4800		Liquid filled	
	351 4810		Foam filled	
25	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
26	213 1830		WHEEL ASSEMBLY, DRIVE/ STEER (22.5" x 12-1/4")	1
25	02-038600		TIRE, NON MARKING (Optional 12" x 20" solid tire)	2
26	219 6870 02-043900		WHEEL ASSEMBLY (Two piece, 20" x 8", for optional solid tire only) Earlier version (wheel offset dimension "X" = 7.5" [190 mm]) Current version (wheel offset dimension "X" = 6.5" [165 mm])	2

TITLE **FOUR-WHEEL DRIVE OPTION COMPONENTS,
MP/ RP SERIES WITH EXTENDABLE AXLES**

SECTION **B01.** | PLATE NO. **28** | PAGE **01** | REV. **A** | DATED **10 OCT., 1996** | PART NO.

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



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

TITLE

FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP SERIES WITH EXTENDABLE AXLES

PART
NO.

REV.

A

DATED

10 OCT., 1996

SECTION

B01.

PLATE NO.

28

PAGE

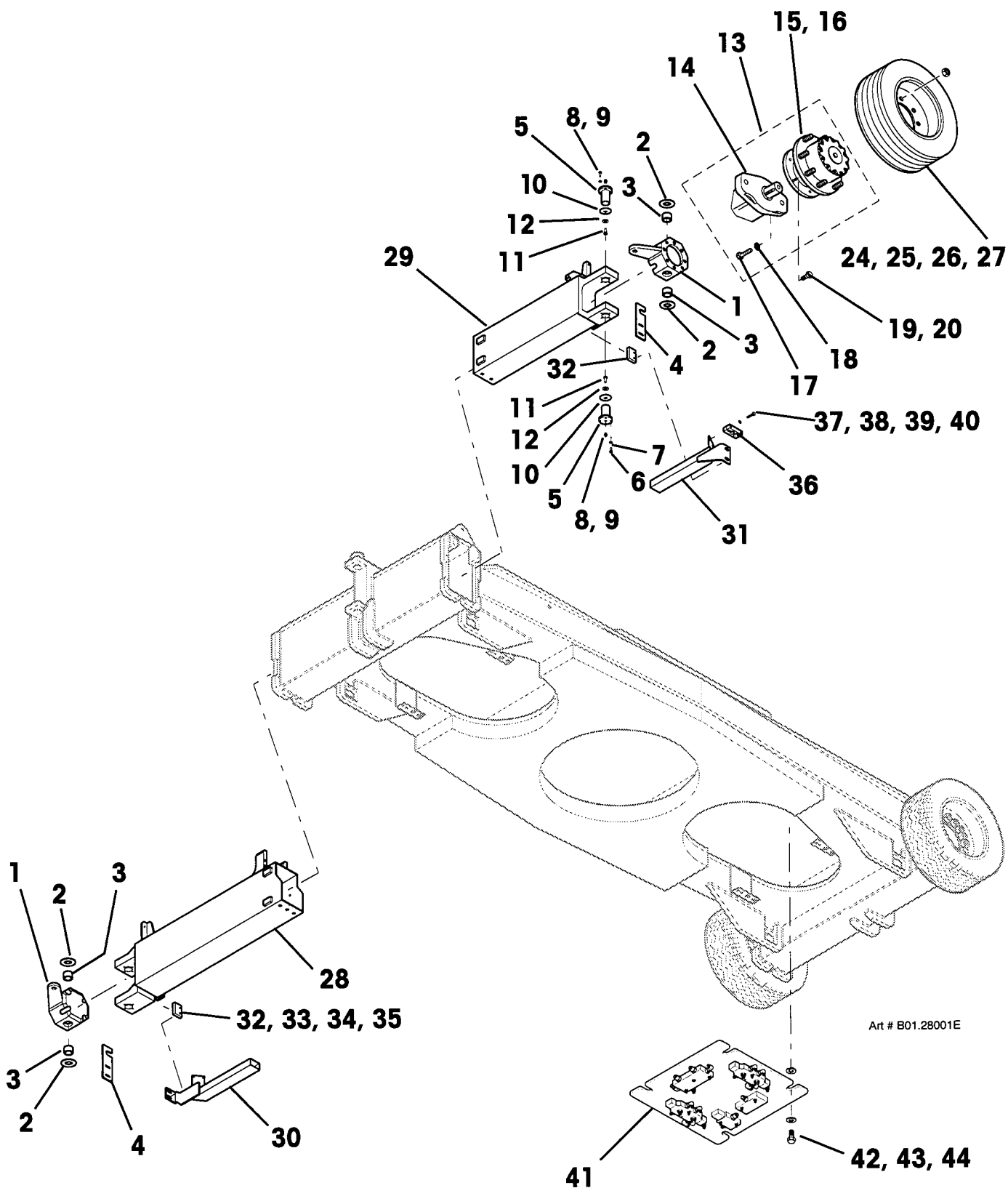
01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	02-047000		TUBE, INNER (optional with liquid filled tires)	2
28			TUBE ASSEMBLY, STEER AXLE (outer)	1
29	214 2670 233 1340		Standard version, without lifting lug With lifting lug (special application) TUBE ASSEMBLY, STEER AXLE (inner)	1
30	214 2680 233 1350 217 2010		Standard version, without lifting lug With lifting lug (special application) CARRIER, HOSE (inner)	1
31	217 2020		CARRIER, HOSE (outer)	1
32	216 1210		FLAT, STEER HOSE CARRIER (must be welded to steer axle tubes)	2
33	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	4
34	07-062016		WASHER, FLAT (3/8")	8
35	07-050016		NUT, STOP (3/8"-16, Grade 5)	4
36	216 8800		CLAMP, HOSE	8
37	07-003037		CAP SCREW, HEX HEAD (5/16"-18 x 4-1/2", Grade 5)	16
38	07-062015		WASHER, FLAT (5/16")	32
39	07-065015		WASHER, HELICAL LOCK (5/16")	16
40	07-040015		NUT, HEX (5/16"-18)	16
41			VALVE ASSEMBLY, DRIVE	1
	352 2680	C12.04	for versions built prior to July, 1995	
	354 4500	C12.04	for versions built July, 1995 or later	
42	07-040016		NUT, HEX (3/8"-16, Grade 5)	4
43	07-065016		WASHER, HELICAL LOCK (3/8")	4
44	07-062016		WASHER, FLAT (3/8")	4
45	06-033500		90° ELBOW, BULKHEAD UNION (6 WETX-S)	2
46	06-033800		90° ELBOW, BULKHEAD UNION (12 WETX-S)	4
			The following parts are not illustrated:	
47			HOSE KIT, 4WD UNDERCARRIAGE	1
	352 2830		for versions built prior to July, 1995	
	354 4420		for versions built July, 1995 or later	
48	354 4410		HOSE KIT, 4WD DRIVE AXLE	1
49	03-064700		TIE, CABLE (14-1/2" [37 cm] long)	8
50	10-113000		PROTECTOR, HOSE	
51	10-150800		(Rubber, 8" x 12" [203 mm x 305 mm] x 1/8" [3 mm] thick) SLEEVE, PLASTIC COIL (3/4", heat resistant) (Bulk item. 12 ft [3.66 m] needed here.)	4 A.R.
52	10-150900		SLEEVE, PLASTIC COIL (1", heat resistant) (Bulk item. 24 ft [7.32 m] needed here.)	A.R.

TITLE					
FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP SERIES WITH EXTENDABLE AXLES					
SECTION	B01.	PLATE NO.	28	PAGE	02
REV.	A	DATED	10 OCT., 1996	PART NO.	

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



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

TITLE

FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP SERIES WITH EXTENDABLE AXLES

PART
NO.

REV.

A

DATED

10 OCT., 1996

SECTION

B01.

PLATE NO.

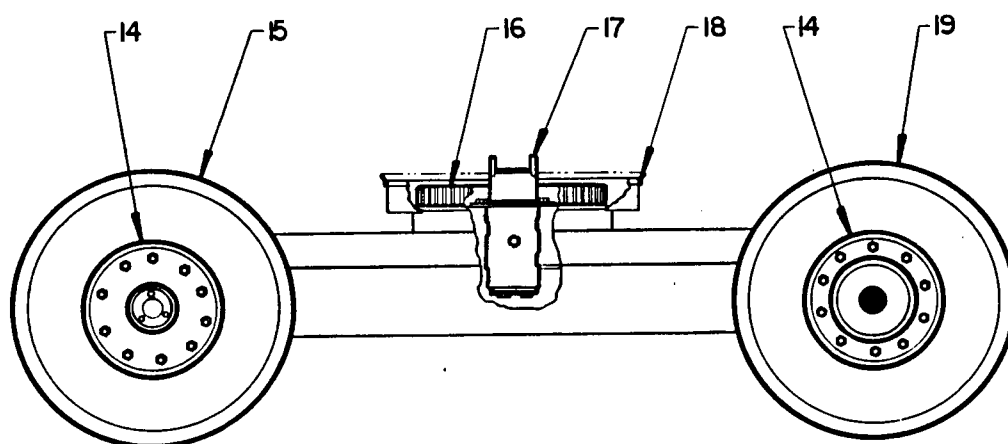
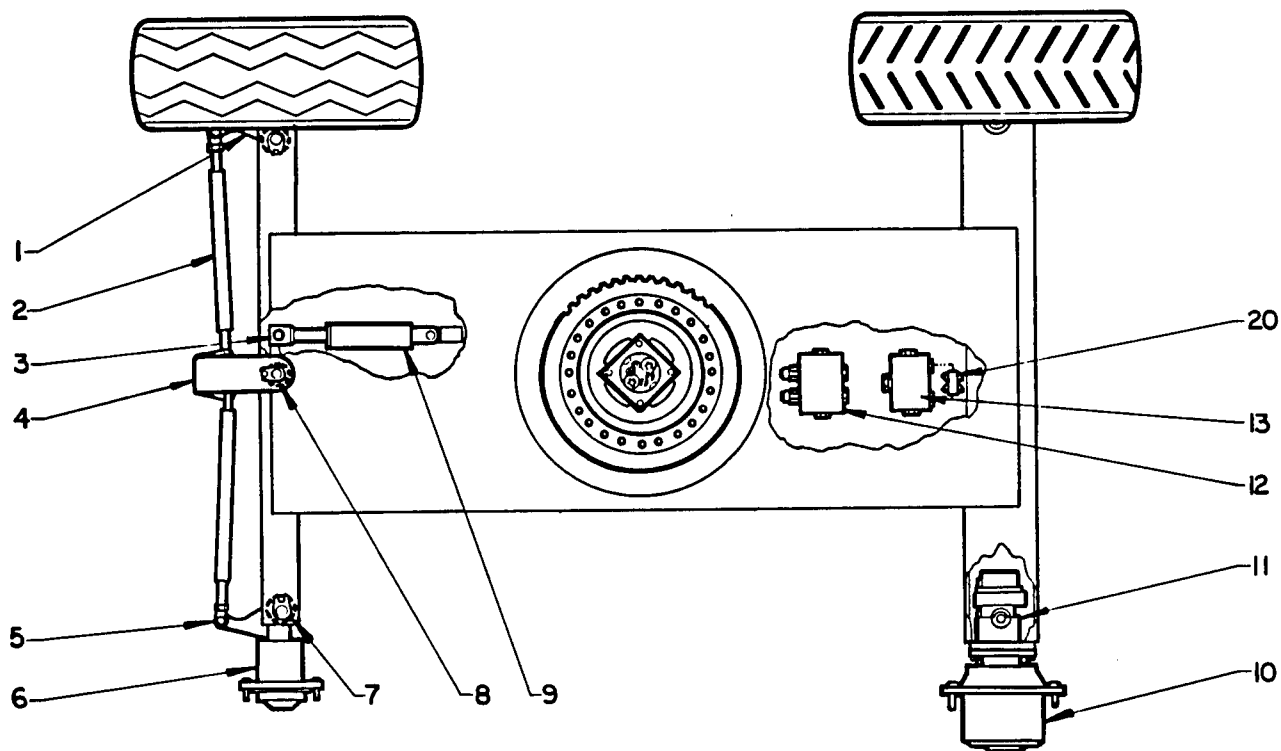
28

PAGE

02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	CAA-208476-5	C1.11	R.H. SPINDLE ASSEMBLY	1
2	SBW-208948-1		TIE ROD	2
3			ROD CLEVIS, STEER CYLINDER	1
4	SDW-207390-5	C1.12	CENTER STEER ARM	1
5	08-007100		TIE ROD END	4
6	CAA-208477-2		L.H. SPINDLE ASSEMBLY	1
7	08-004200	D1.1	THRUST WASHER	2
8	08-002000		BUSHING	2
9	04-008900		STEER CYLINDER	1
10	02-009000	F1	TORQUE HUB	2
11	01-004800	D3.2	DRIVE MOTOR/BRAKE	2
12	01-013100		MOTION CONTROL VALVE	1
13	01-018300		FLOW DIVIDER/COMBINER	1
14	SDW-209145-5		RIM	4
15	02-003700		STEER TIRE - 15 X 22.5	2
16	08-015000	D2.1	SWING BEARING	1
17	01-008700		HYDRAULIC SWIVEL	1
18	10-005500		LIP SEAL, SWING BEARING	A.R.
19	02-003600		DRIVE TIRE - 15 X 22.5	2
20	01-034800		GATE VALVE	1
DESCRIPTION			PART NO.	
UNDERCARRIAGE ASSEMBLY			CAA-209816-4	



0186/1185

DESCRIPTION

UNDERCARRAIGE ASSEMBLY

PART NO.

CAA-209816-4

PARTS LIST

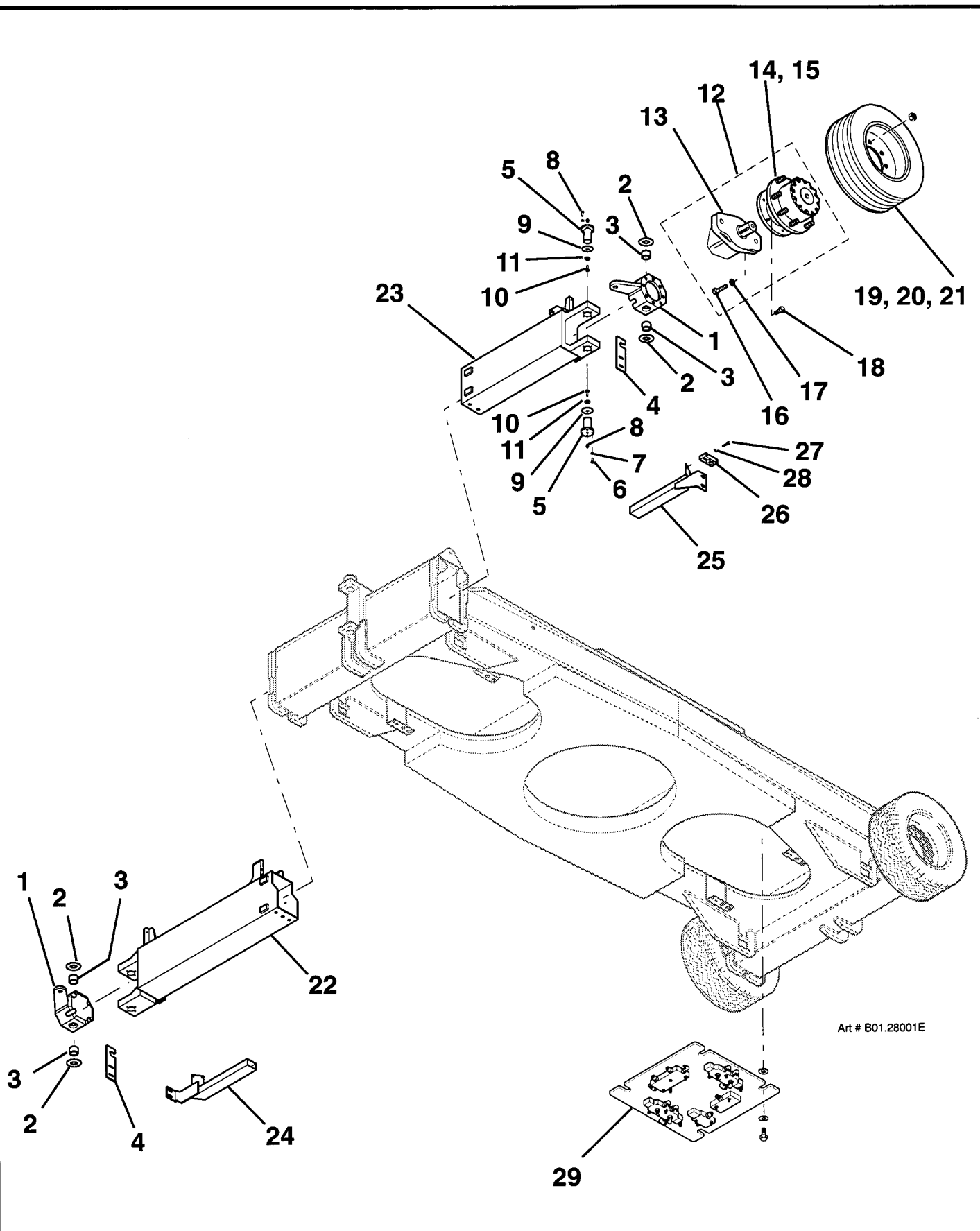
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3509809		SPINDLE ASSEMBLY, FRONT DRIVE (for four-wheel drive. Replaces part shown on 2WD plate.)	2
2	2160130		WASHER, THRUST (2-1/2" I.D., 5" O.D.) (for four-wheel drive. Replaces part shown on 2WD plate.)	4
3	08-061600		BEARING, SLEEVE (2-1/2" I.D., 3" O.D., 2" long)	4
4	2172040		BRACKET, HOSE	2
5	2142740		PIN, STEER (for 4WD. Replaces part shown on 2WD plate.)	4
6	07-008046		CAP SCREW, SOC.HD (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	2142180		RETAINER, STEER SPINDLE BUSHING	4
10	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
11	07-065016		WASHER, HELICAL LOCK (1/2")	4
12	3515780		DRIVE HUB ASSEMBLY (steer wheels)	2
13	See index	D03.--	MOTOR, HYDRAULIC (without brake)	1
14	See index	F01.--	HUB, TORQUE	1
15	01-030900		SEAL	1
16	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
17	07-065018		WASHER, HELICAL LOCK (1/2")	2
18	07-004128		CAP SCREW, HEX HD (5/8"-11 x 1-3/4", Grade 8)	12
19	3514800		TIRE AND WHEEL ASSEMBLY, DRIVE/ STEER (Liquid)	2
	3514810		TIRE AND WHEEL ASSEMBLY, DRIVE/ STEER (Foam)	2
20	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
21	2131830		WHEEL ASSEMBLY, DRIVE/ STEER (22.5" x 12-1/4")	1
22	2142670		TUBE ASSEMBLY, STEER AXLE (outer)	1
23	2142680		TUBE ASSEMBLY, STEER AXLE (inner)	1
24	2172010		CARRIER, HOSE (inner)	1
25	2172020		CARRIER, HOSE (outer)	1
26	2172070		CLAMP, HOSE	6
27	07-003031		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)	12
28	07-062015		WASHER, FLAT (5/16")	12
29	3522680	C12.04	VALVE ASSEMBLY, DRIVE	1
The following parts are not illustrated:				
30	3522830		HOSE KIT, 4WD UNDERCARRIAGE	1
31	03-064700		TIE, CABLE [14-1/2" (37 cm) long]	10
32	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
33	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
34	06-097400		90° ADAPTER, BENT STEM (4 IT3-12-12)	2
35	10-113000		PROTECTOR, HOSE [Rubber, 8" x 12" (203 mm x 305 mm) x 1/8" (3 mm) thick]	4

TITLE FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP EXTENDABLE AXLE

PLATE NO. B01.28 SIMON AERIALS INC.

REV. 16 JUN., 1994

PART NO.



TITLE FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP EXTENDABLE AXLE

SIMON AERIALS INC.

REV. 16 JUN., 1994

PART
NO.

PLATE
NO. **B01.28**

PARTS LIST

[illegible]**TITLE**

SUPERSTRUCTURE ASSEMBLY

**PLATE
NO.**

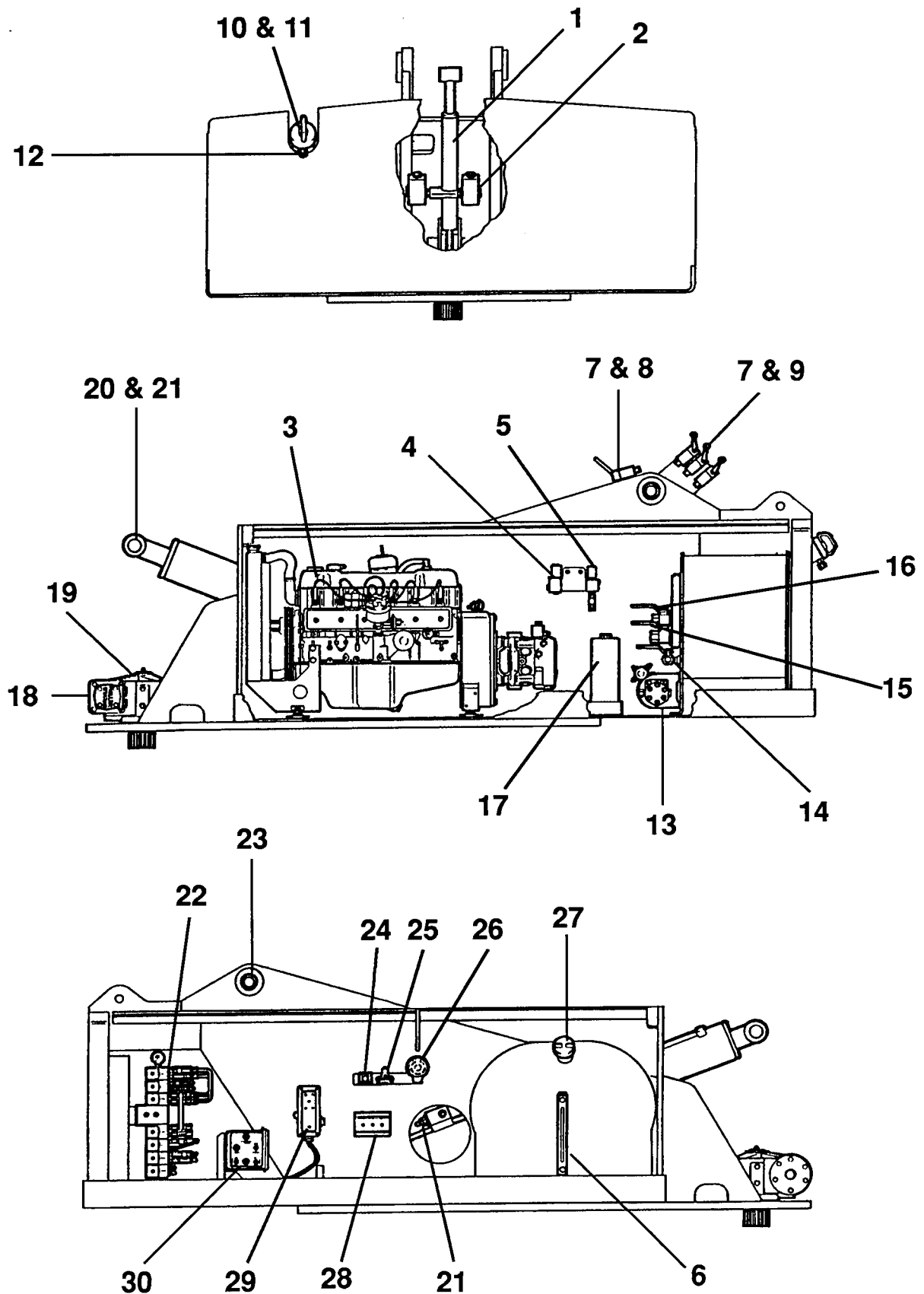
B02.14

SIMON AERIALS INC.

REV. 10/01/90

**PART
NO.**

CAA-2097941



TITLE

SUPERSTRUCTURE ASSEMBLY

SIMON AERIALS INC.

REV. 10/01/90

PART NO. CAA-2097941

PLATE NO. B02.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	See Index	D10	CYLINDER, MASTER LEVELING	1
2	01-008900		VALVE, RELIEF, LEVELING	2
3	03-025600		SWITCH, LIMIT	1
4	03-026200		ARM, LIMIT SWITCH	1
5	01-013700		SOLENOID VALVE, PUMP UNLOADING	1
6	01-013900		BLOCK, SOLENOID VALVE	1
7			VALVE, SHUT OFF (1-1/2")	1
8	10-002100		CAP, FILLER, HYDRAULIC FLUID	1
9	10-001000		STRAINER	1
10	01-008200		PLUG, VENT WITH FILTER	1
11	See Index	F02	SWING REDUCER	1
12	See Index	D06	SWING MOTOR	1
13	See Index	D07	PUMP, EMERGENCY	1
14	01-015700		VALVE, SHUT OFF (2")	1
15	01-020600		VALVE, SHUT OFF (3/4")	1
16	See Index	C04	ENGINE ASSEMBLY	1
17	See Index	D09	CYLINDER, LIFT	1
18	01-023900		VALVE, HOLDING, LIFT CYLINDER	1
19	10-001900		CAP, FILLER, FUEL	1
20	03-036100		HORN	1
21	03-038100		ALARM, TILT	1
22	03-038300		ALARM, MOVEMENT	1
23	01-014000		FILTER, HIGH PRESSURE	1
24	08-015200		BEARING, BOOM PIVOT	2
25	See Index	C02	VALVE BANK ASSEMBLY (DRIVE, SWING, LIFT, EXTEND)	1
26	See Index	C02	VALVE BANK ASSEMBLY (STEER, LEVEL, ROTATE)	1
27	01-016300		VALVE, RELIEF (EXTEND, LIFT)	2
28	01-015100		VALVE, RELIEF, SWING	1
29	See Index	C03	BOX ASSEMBLY, GROUND CONTROL	1
30	See Index	C03	BOX ASSEMBLY, GROUND PROPORTIONAL CONTROLS	1
31	10-033500		GAUGE, SIGHT	2
32	03-021200		BUTTON, PUSH	1
33	03-025000		BLOCK, CONTACT	1
34	03-020500		SWITCH, TOGGLE (SPST)	3
35	03-020300		BUTTON, PUSH	1

TITLE

SUPERSTRUCTURE ASSEMBLY

PLATE NO.

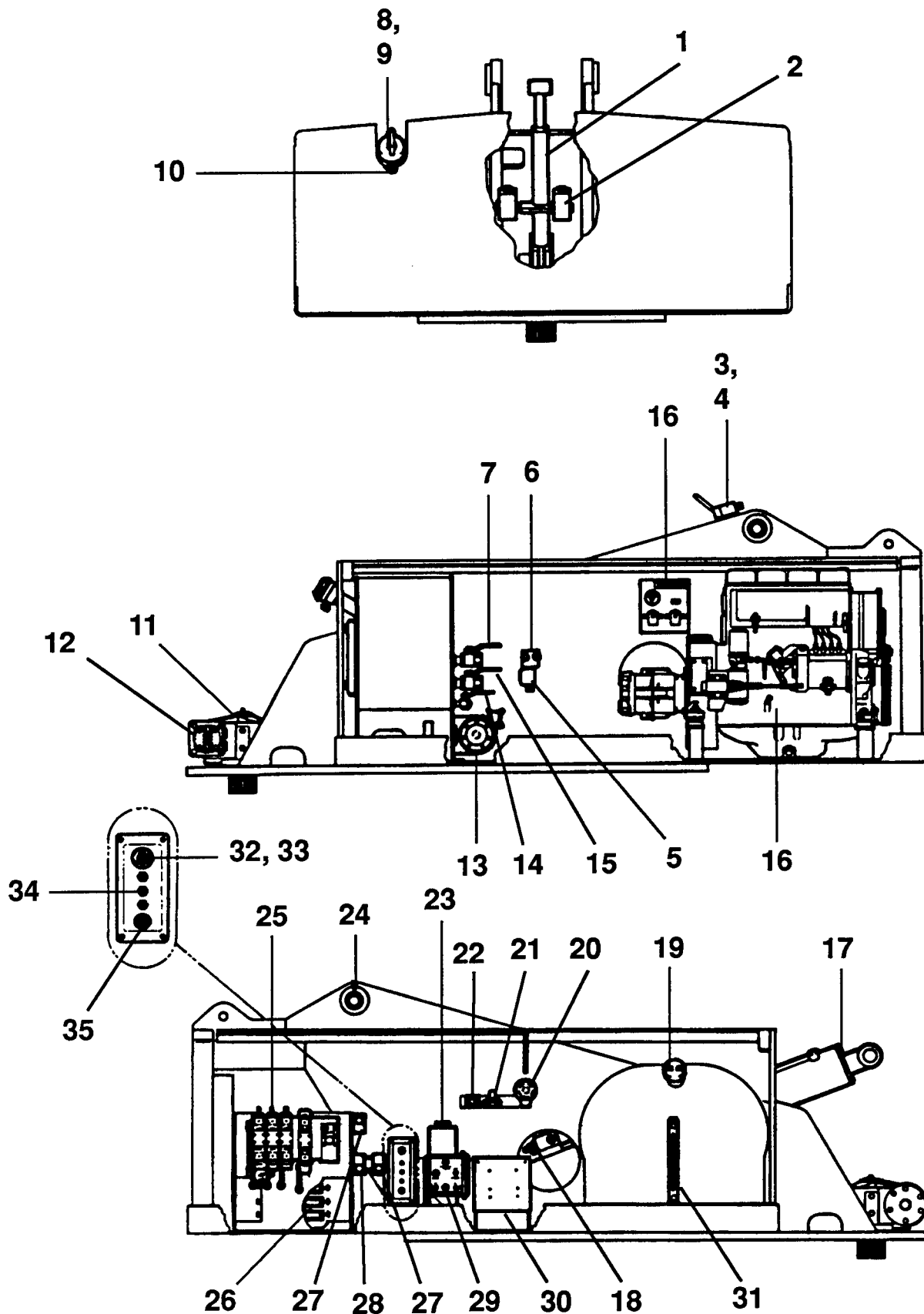
B02.15

SIMON AERIALS INC.

REV. 4 MAR. '92

PART NO.

2098111



TITLE

SUPERSTRUCTURE ASSEMBLY

SIMON AERIALS INC.

REV. 4 MAR. '92

PART
NO.

2098111

PLATE
NO.

B02.15

PARTS LIST

[illegible]

TITLE

SUPERSTRUCTURE ASSEMBLY

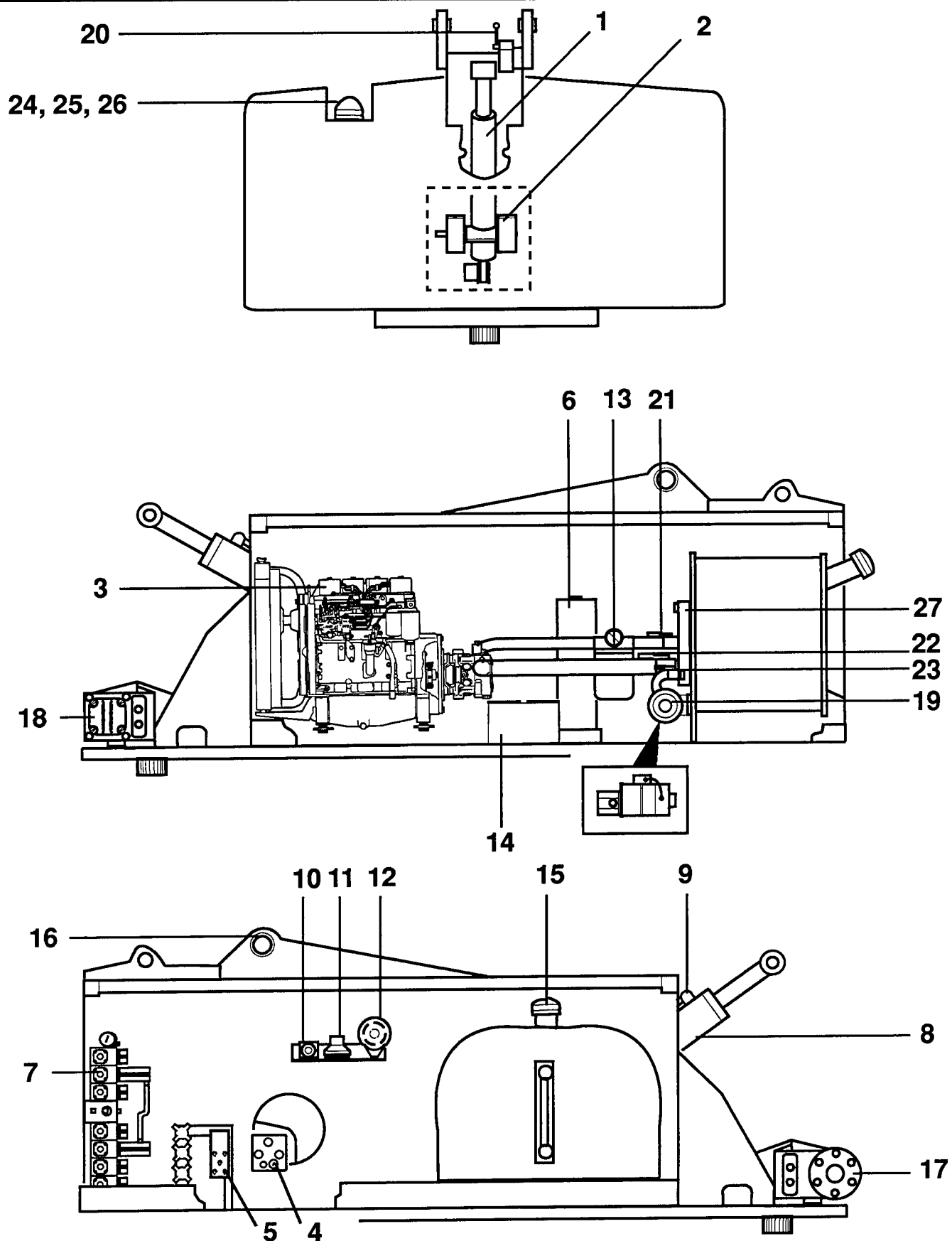
PLATE
NO.

B02.26

SIMON AERIALS INC.

REV. 10/01/90

**PART
NO.**



TITLE

SUPERSTRUCTURE ASSEMBLY

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

PLATE
NO. B02.26

PARTS LIST

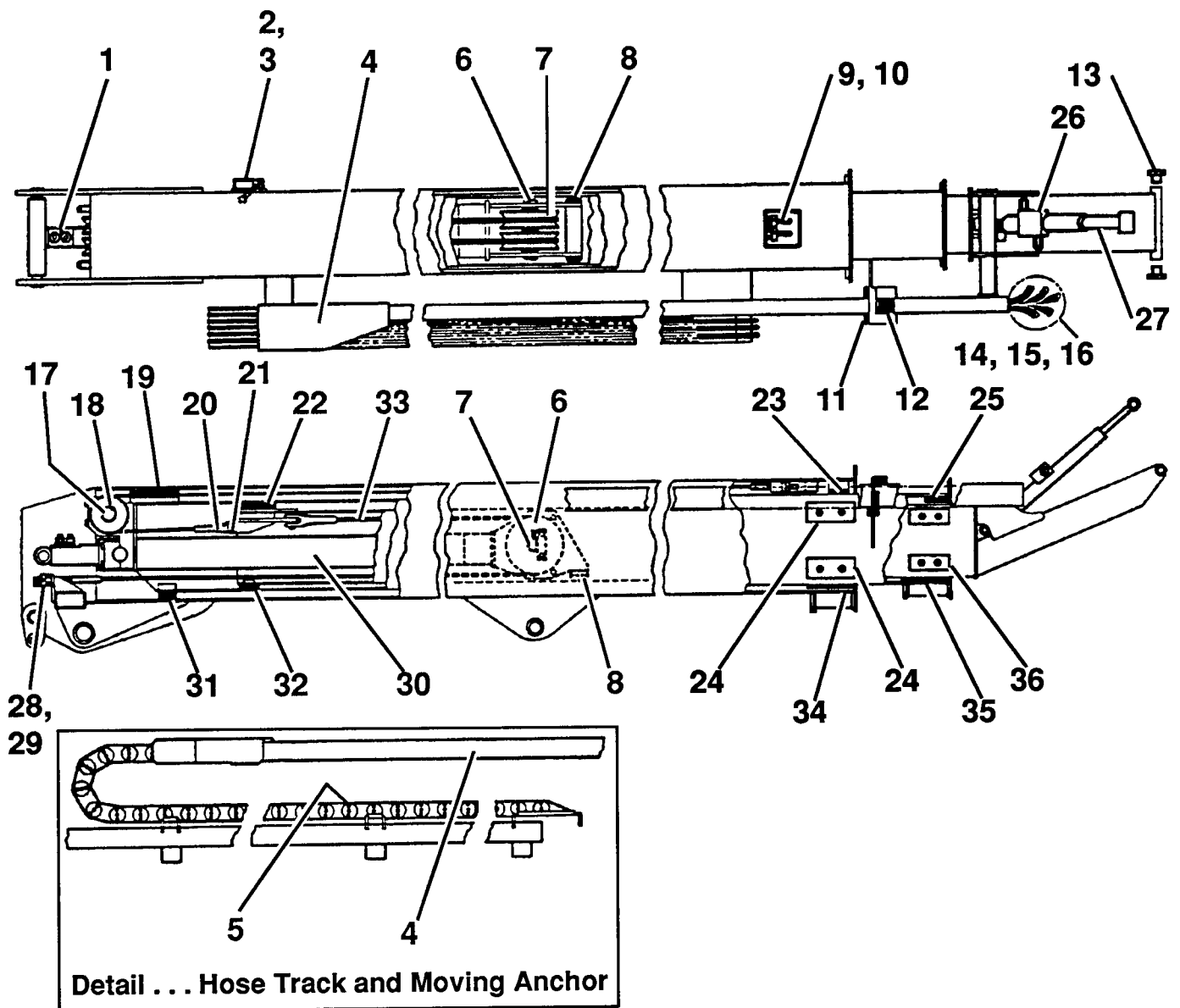
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-011101		VALVE, TELESCOPE CYLINDER HOLDING	2
2	03-025600		SWITCH, LIMIT	1
3	03-026400		ARM, LIMIT SWITCH	1
4			ANCHOR, MOVING	1
5	See index	F03.--	TRACK, HOSE	1
6	2089014		SHAFT, EXTEND ROPE SHEAVE	1
7	08-016300		SHEAVE, EXTEND ROPE	2
8	2088921		PAD, TELESCOPE CYLINDER SHEAVE BRACKET WEAR (Slider pad)	1
9	07-040022		NUT, HEX (3/4"-10, Grade 5)	2
10	08-016600		RING, LOCK (3/4")	2
11	2092355		PAD, MOVING ANCHOR WEAR (Slider pad)	2
12	2080752		PAD, MOVING ANCHOR WEAR (Slider pad)	1
13	08-002200		BUSHING, PLATFORM PIVOT	2
14	03-085000		CABLE, ELECTRICAL (24 conductor)	A.R.
15	03-446100		CABLE, ELECTRICAL (10 conductor)	A.R.
16			HOSE, HYDRAULIC (1/4")	A.R.
17	2088994		SHEAVE, RETRACT ROPE	2
18	2089003		SHAFT, RETRACT ROPE SHEAVE	1
19	2088592		PAD, MID BOOM WEAR (Top front) (Slider pad)	2
20	• 2086273		ROPE, RETRACT [3/8" (9.5 mm) x 343" (8.7 M) long]	2
21	2089131		PIN, RETRACT ROPE	1
22	2088567		PAD, TIP BOOM WEAR (Top front) (Slider pad)	1
23	2088600		PAD, BASE BOOM WEAR (Top rear) (Slider pad)	1
24	2088619		PAD, BASE BOOM WEAR (Side) (Slider pad)	4
25	2088644		PAD, MID BOOM WEAR (Top rear) (Slider pad)	1
26	See index	D21.--	VALVE, LEVELING CYLINDER HOLDING	2
27	See index	D20.--	CYLINDER, SLAVE LEVELING	1
28	08-016700		RING, LOCK (1-1/4")	2
29	07-040025		NUT, HEX (1-1/4"-7, Grade 5)	2
30	See index	D19.--	CYLINDER, TELESCOPE (Extend)	1
31	2088570		PAD, MID BOOM WEAR (Bottom front) (Slider pad)	1
32	2088585		PAD, TIP BOOM WEAR (Bottom front) (Slider pad)	1
33	• 2086288		ROPE, EXTEND [5/8" (16 mm) x 585" (14.8 M) long]	2
34	2088626		PAD, BASE BOOM WEAR (Bottom rear) (Slider pad)	1
35	2088655		PAD, MID BOOM WEAR (Bottom rear) (Slider pad)	1
36	2088631		PAD, MID BOOM WEAR (Side) (Slider pad)	4
37	• 2089443		SUPPORT, HOSE TRACK	1
38	• 2089421		ANCHOR, HOSE TRACK	1

TITLE BOOM ASSEMBLY, MPH 80 OR MP 80-1 (BENT TIP) (PLATE 1 OF 2)

PLATE NO. B03.18 **SIMON AERIALS INC.**

REV. 23 APR., 1993

PART NO. CAA-2098083



TITLE BOOM ASSEMBLY, MPH 80 OR MP 80-1 (BENT TIP) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 23 APR., 1993

PART
NO.

CAA-2098083

PLATE
NO.

B03.18

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			SCRAPER, BASE BOOM TOP	1
2			PLATE, SEAL MOUNTING (Base boom top)	1
3			BRUSH, BASE BOOM TOP (15")	1
4			PLATE, SEAL MOUNTING (Base boom bottom)	1
5			WIPER, BASE BOOM BOTTOM	1
6			STRIP, BASE BOOM BOTTOM RETAINING	1
7			BRUSH, BASE BOOM BOTTOM (10-1/2")	1
8			PLATE, SEAL MOUNTING (Base boom side)	2
9			BRUSH, BASE BOOM SIDE	2
10			WIPER, BASE BOOM SIDE	2
11			STRIP, BASE BOOM SIDE RETAINING	2
12			SCRAPER, MID BOOM TOP	2
13			PLATE, SEAL MOUNTING (Mid boom top)	1
14			BRUSH, MID BOOM TOP (13")	1
15			PLATE, SEAL MOUNTING (Mid boom bottom)	1
16			WIPER, MID BOOM BOTTOM	1
17			STRIP, MID BOOM BOTTOM RETAINING	1
18			BRUSH, MID BOOM BOTTOM (8-1/2")	1
19			PLATE, SEAL MOUNTING (Mid boom side)	1
20			BRUSH, MID BOOM SIDE (15-1/2")	2
21			WIPER, MID BOOM SIDE	2
22			STRIP, MID BOOM SIDE RETAINING	2
23			ANGLE, HOSE TRACK COVER MOUNTING	4
24			COVER, HOSE TRACK	3
25			BRACKET, HOSE TRACK COVER ANGLE	8

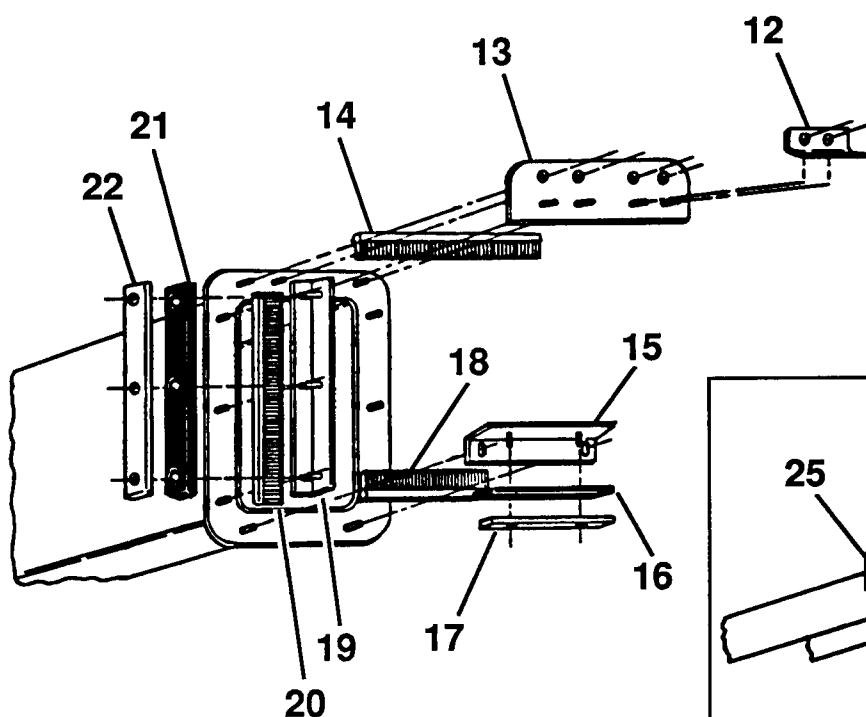
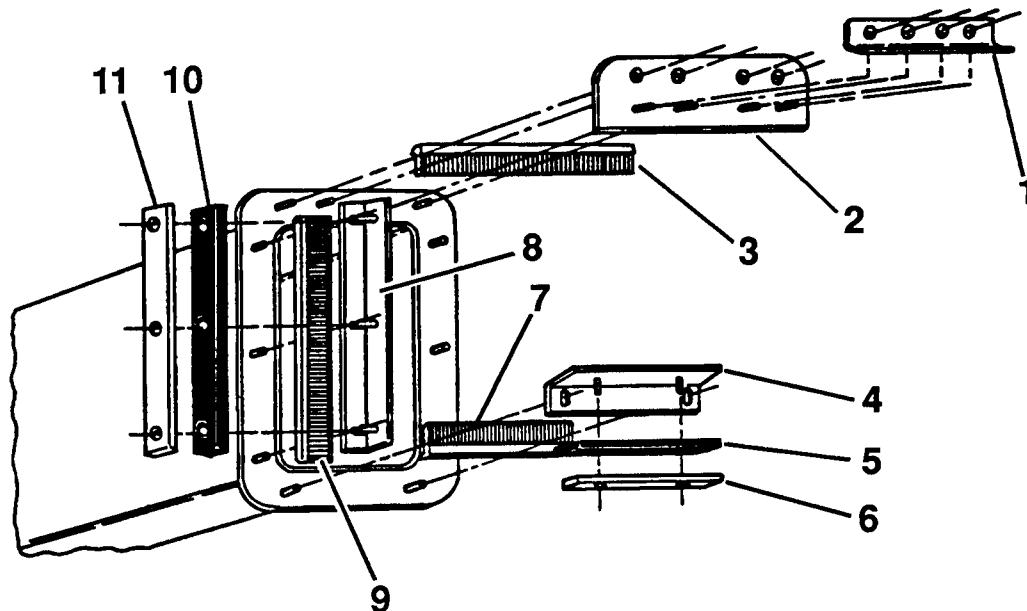
TITLE BOOM ASSEMBLY, MPH 80 OR MP 80-1 (BENT TIP) (PLATE 2 OF 2)

PLATE NO. B03.18 **SIMON AERIALS INC.**

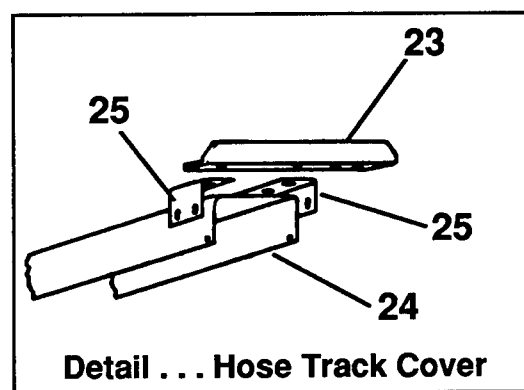
REV. 23 APR., 1993

PART NO. CAA-2098083

Detail . . . Base Boom Wiper Arrangement



Detail . . . Mid Boom Wiper Arrangement



Detail . . . Hose Track Cover

TITLE BOOM ASSEMBLY, MPH 80 OR MP 80-1 (BENT TIP) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 23 APR., 1993

PART NO. CAA-2098083

PLATE NO. B03.18

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SCD-208361-4		SLIDER PAD, MID BOOM (TOP-FRONT)	1
2	SCD-204328-9		SLIDER PAD, TIP BOOM (TOP-FRONT)	1
3			MOVING ANCHOR	1
4	SCD-208371-7		SLIDER PAD, BASE BOOM (REAR-BOTTOM)	1
5	SBD-208860-0		SLIDER PAD, BASE BOOM (REAR-TOP)	1
6	SAD-207299-9		SLIDER PAD, MID BOOM (REAR BOTTOM)	1
7	SBD-201293-3		SLIDER PAD, EXTEND CYLINDER	1
8	SBD-208864-4		SLIDER PAD, MID BOOM (REAR-TOP)	1
9	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
10	SEE INDEX	D21	HOLDING VALVE, SLAVE LEVEL CYLINDER	2
11	01-002400		HOLDING VALVE, EXTEND CYLINDER	2
12	SEE INDEX	D19	EXTEND CYLINDER	1
13	08-011100		LEAF CHAIN, FRONT (INSIDE)	1
14	SEE INDEX	F3	HOSE TRACK	1
15	08-011000		LEAF CHAIN, REAR (OUTSIDE)	2
16			HYDRAULIC HOSE, HPC RETURN	1
17			HYDRAULIC HOSE, HPC PRESSURE	1
18			HYDRAULIC HOSE, SLAVE CYLINDER ROD	1
19			HYDRAULIC HOSE, SLAVE CLYLINDER CASE	1
20	08-085000		MULTI CINDUCTOR CABLE	A.R.
21	08-021400		LIMIT SWITCH	1
22	08-026400		LEVER ARM, LIMIT SWITCH	1
23	SBD-203772-9		ANCHOR BLOCK, CHAIN SHEAVE PIN	2
24	SAD-203763-9		PIN, FRONT CHAIN SHEAVE	1
25	SCD-203802-5		SHEAVE, FRONT CHAIN	1
26	08-009000		SLEEVE BEARING (DRILL GREASE HOLE AT ASSEMBLY)	3
27	SAD-200629-9		GUARD PLATE	1
28	SBW-204198-6		CHAIN ANCHOR BLOCK	1
29			RETAINER PLATE	1
30	SBD-201293-3		SLIDER PAD, CHAIN ANCHOR	1
31	SBA-204648-4		SIDE SLIDER PAD	8
33	08-002200		FLANGE BEARING	2
34	SCW-209749-9		CHAIN ANCHOR BRACKET	1
35	SBD-203808-5		CHAIN ADJUSTING SCREW	2
36	SBD-206980-3		PIN, REAR CHAIN SHEAVE	1
37	SCD-203803-0		SHEAVE, REAR CHAIN	2
38	SAD-203762-4		CHAIN ANCHOR PIN, 4" LG. (NOT SHOWN)	2
39	SAD-203768-4		CHAIN ANCHOR PIN, 2" LG. (NOT SHOWN)	3
40	07-070305		COTTER KEY, CHAIN PIN (NOT SHOW)	10

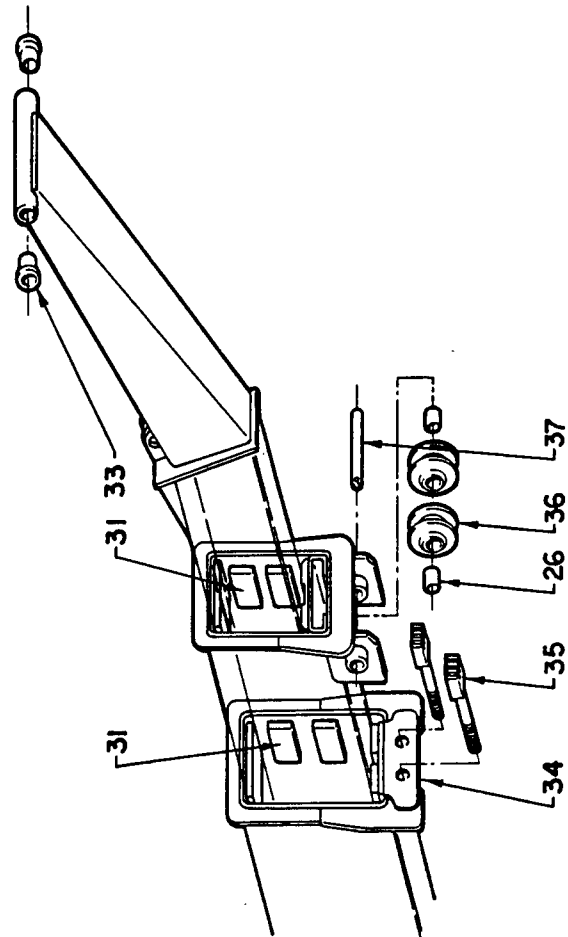
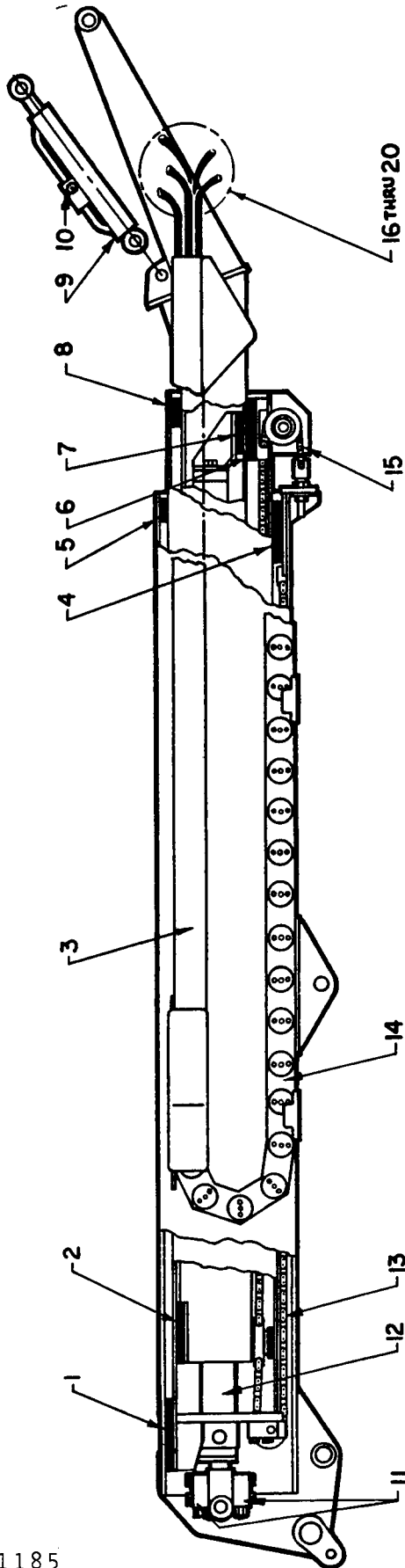
DESCRIPTION

BOOM ASSEMBLY

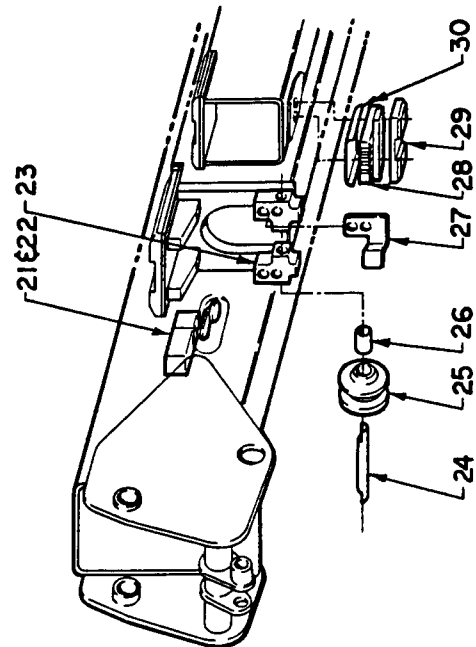
PART NO.

CAA-209814-6

B3.19



REAR VIEW BOOM ASS'Y



FRONT VIEW BOOM ASS'Y

1285/1185

DESCRIPTION

BOOM ASSEMBLY

PART NO.

CAA-209814-6

PARTS LIST

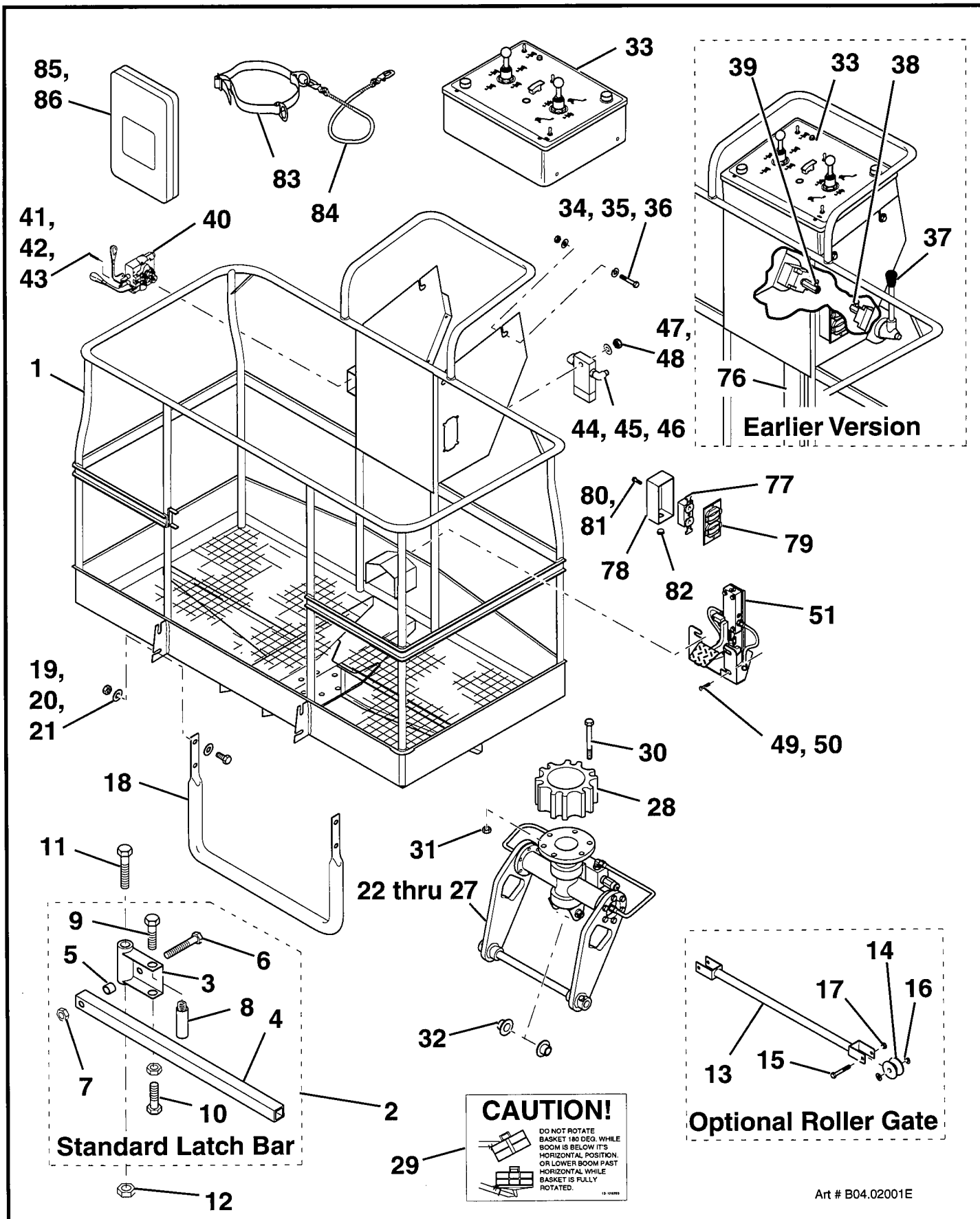
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Hydraport controls (with 2 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: First type, with separate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

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

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

REV. 07 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

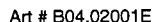
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	See Index .	D24. - -	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
23			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
24			PIN,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

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

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

REV. 07 DEC., 1994

PART NO.



PARTS LIST

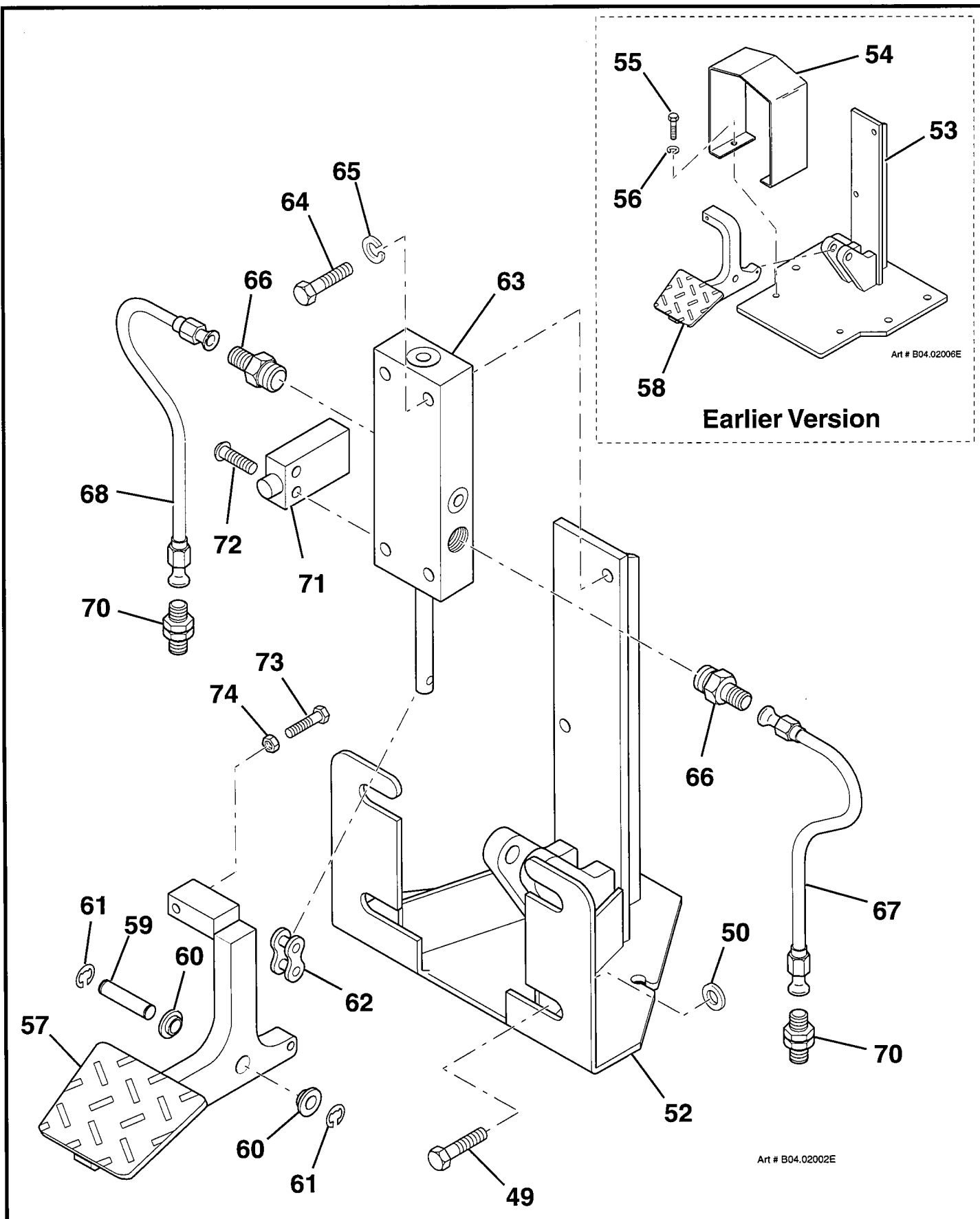
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
44	01-001900		VALVE, CHECK (Pilot operated)	1
45	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
46	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
47	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
48	07-062015		WASHER, FLAT (5/16")	2
49	07-003042		CAP SCREW,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

TITLE PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 4)

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

REV. 07 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. B04.02

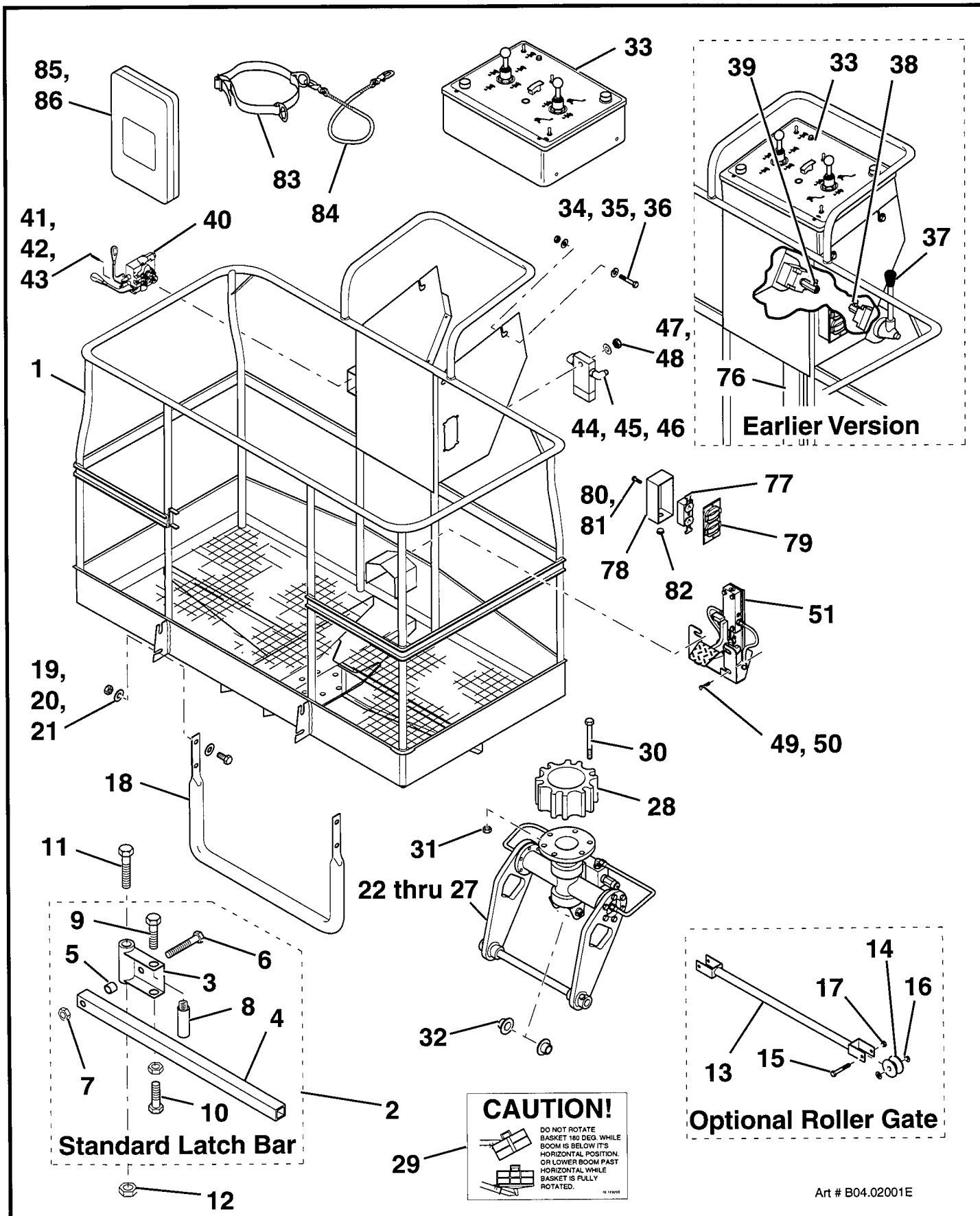
PARTS LIST

[illegible]

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

PLATE NO. B04.02	SIMON AERIALS INC.	REV. 07 DEC., 1994
------------------	--------------------	--------------------

PART
NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 07 DEC., 1994

PART
NO.

PLATE
NO. **B04.02**

PARTS LIST

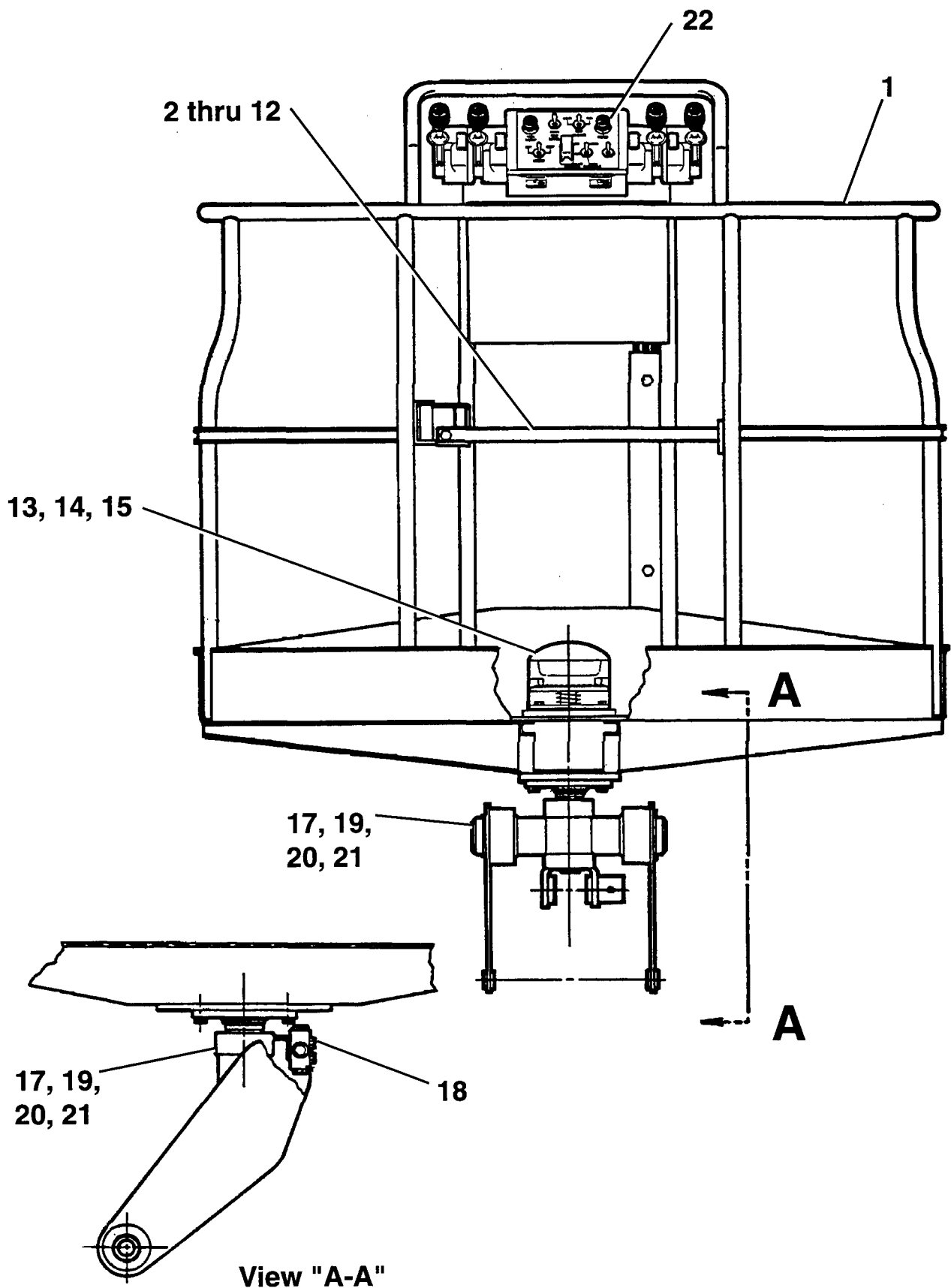
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Earliest style Electro-Proportional controls (with 4 Control Levers): MP Series (36" x 72" [.91 M x 1.83 M]) (Standard) MPN Series (36" x 60" [.91 M x 1.52 M]) (Standard)	1
2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

TITLE PLATFORM ASSEMBLY, MP SERIES

PLATE NO. B04.06 **SIMON AERIALS INC.**

REV. 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES

SIMON AERIALS INC.

REV. 01 DEC., 1994

PART
NO.

PLATE
NO. B04.06

PARTS LIST

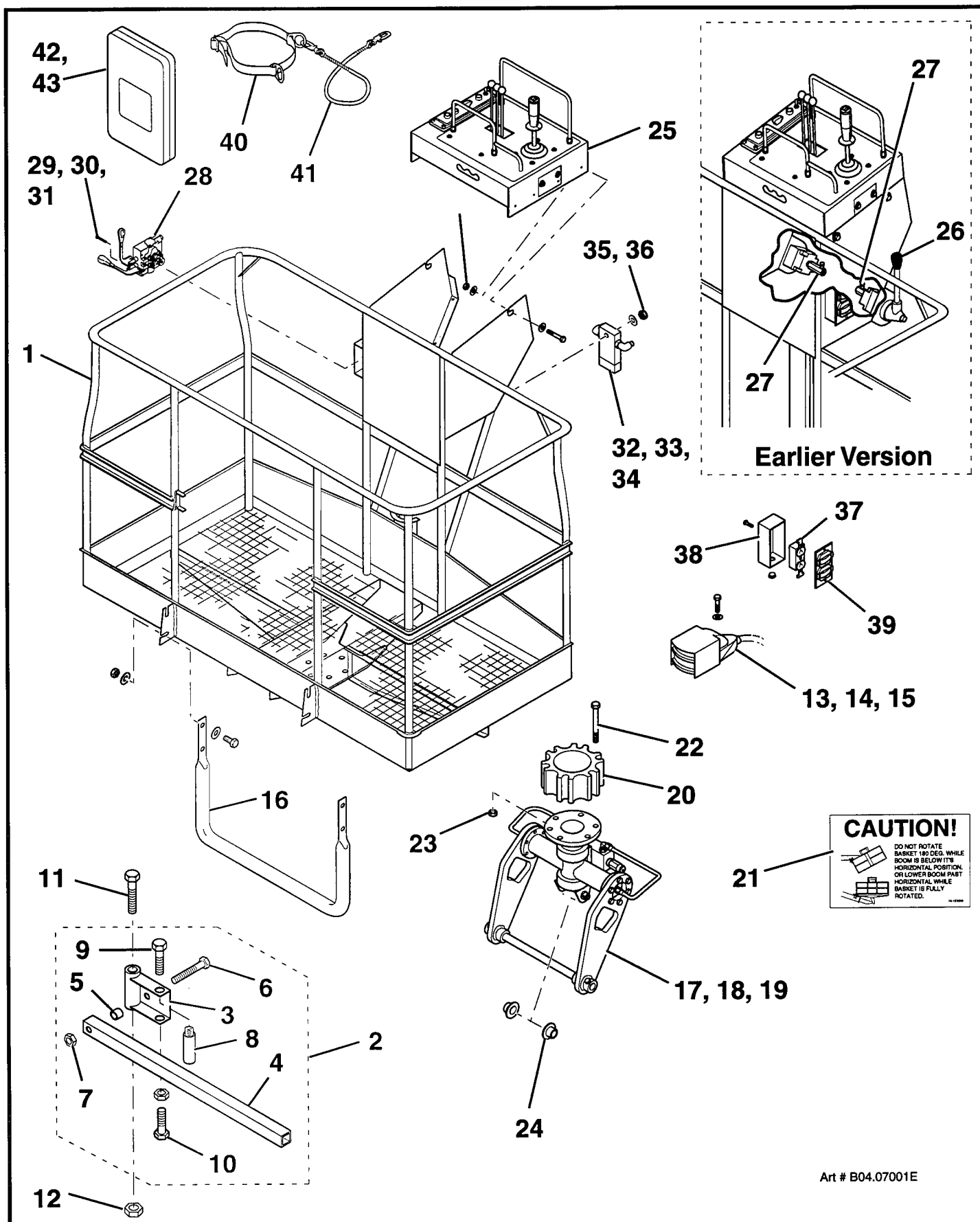
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For Full Hydraulic controls (4 "Joysticks"):	1
	209 6054		Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP Series (36" x 72"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

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

PLATE NO. B04.07 SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.



Art # B04.07001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.07

PARTS LIST

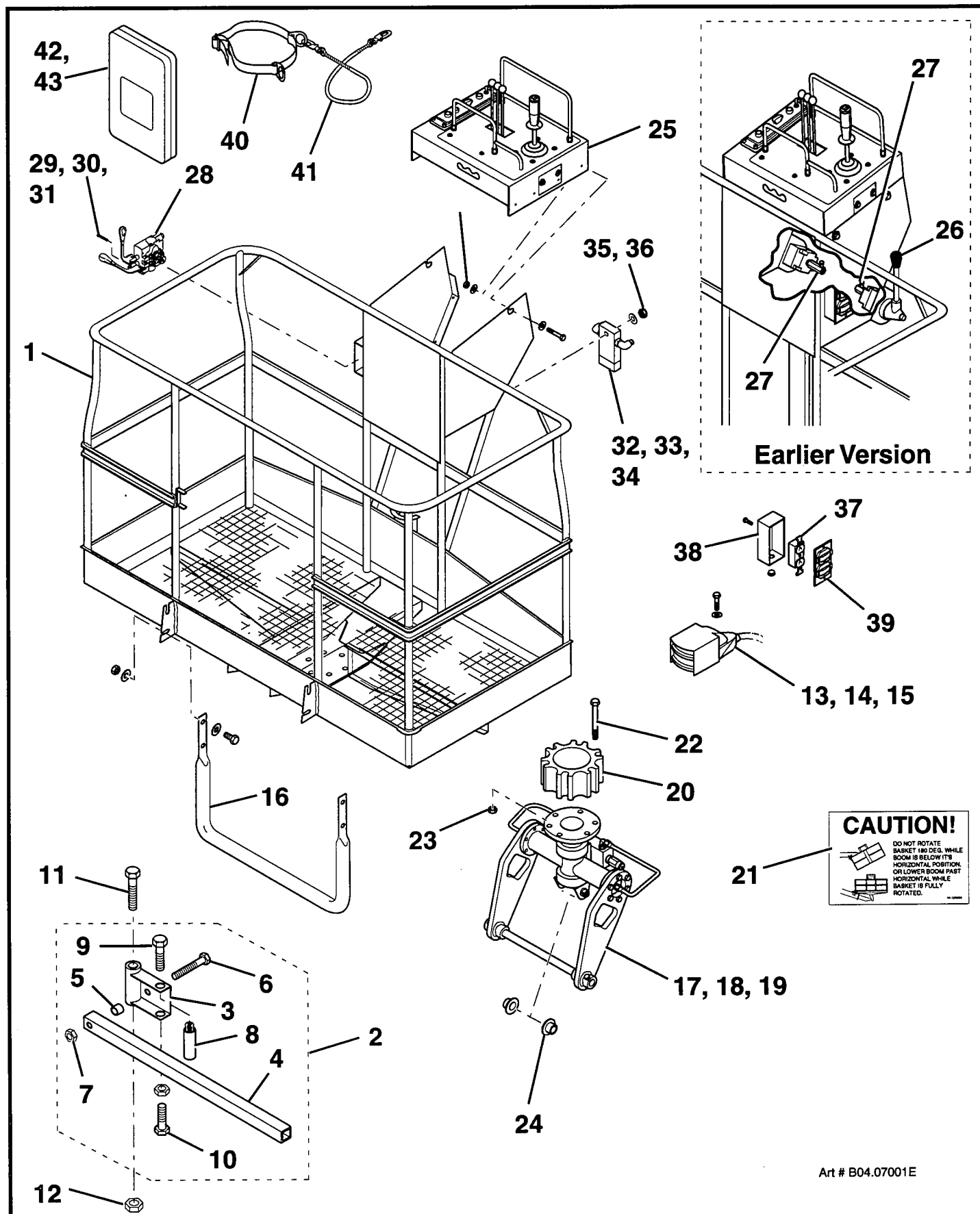
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	07-004089 07-004100		CAP SCREW, HEX HEAD (1/2"-13, Grade 8) 2" long, for all except with 96" platform 6" long, for Model MP 40 with 96" platform	6
23	07-113400 07-058400		8", long, for models with 96" platform except MP 40 NUT, LOCK (1/2"-13, Grade 8)	6
24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

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

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

NEW 01 DEC., 1994

PART NO.



Art # B04.07001E

TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.07

PARTS LIST

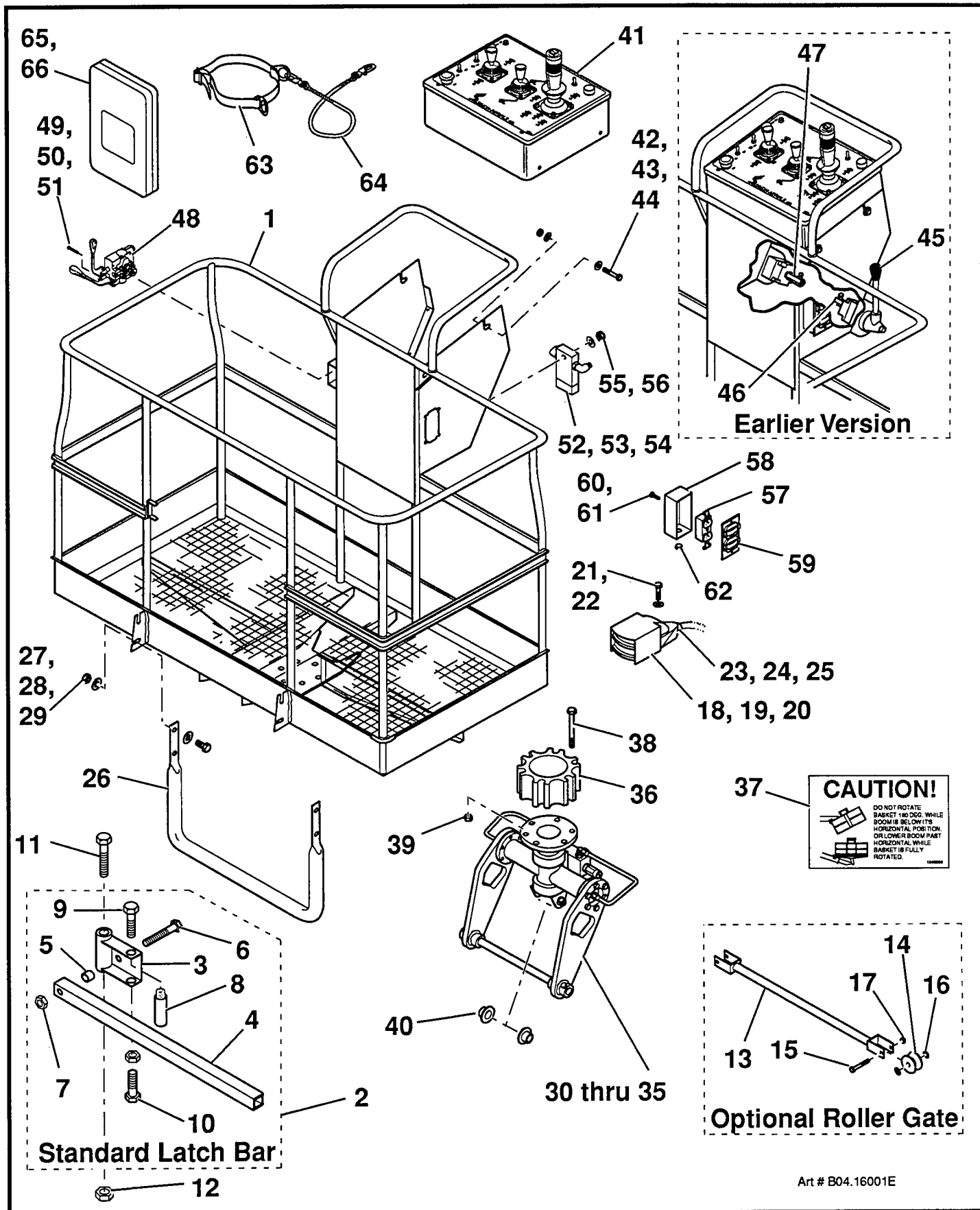
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM WELDMENT (Standard type, with Rotary Actuator mounted under floor) For " Type 2 " Electro-Proportional controls (with 3 "Joystick" controls): Earlier style, with Platform Rotate valve on left, and Platform Level valve on right side of console: MP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

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

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

NEW 01 DEC., 1994

PART NO.



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

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. B04.16

PARTS LIST

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

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

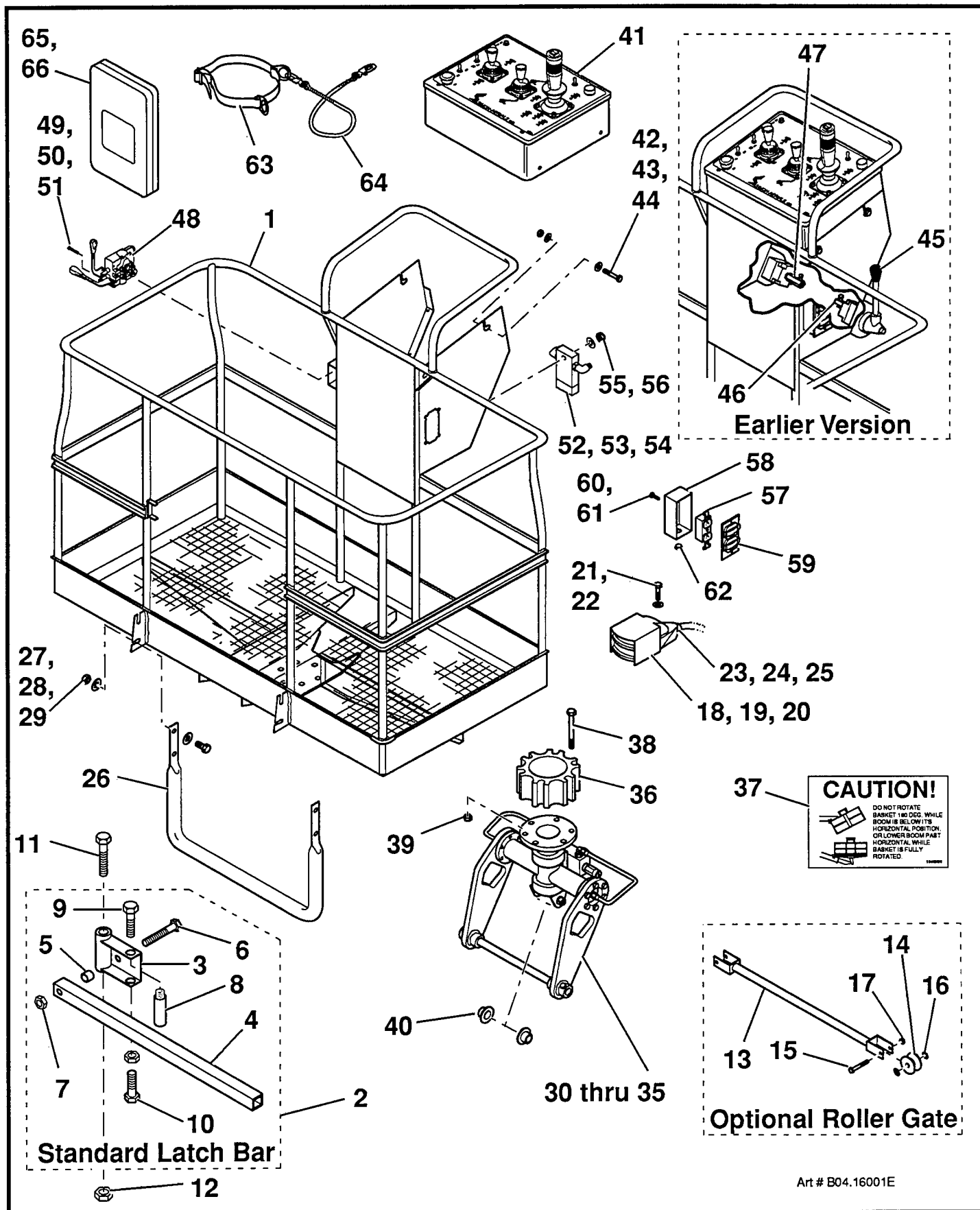
PLATE NO.

B04.16

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.



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

SIMON AERIALS INC.

NEW 01 DEC., 1994

PART NO.

PLATE NO. B04.16

PARTS LIST

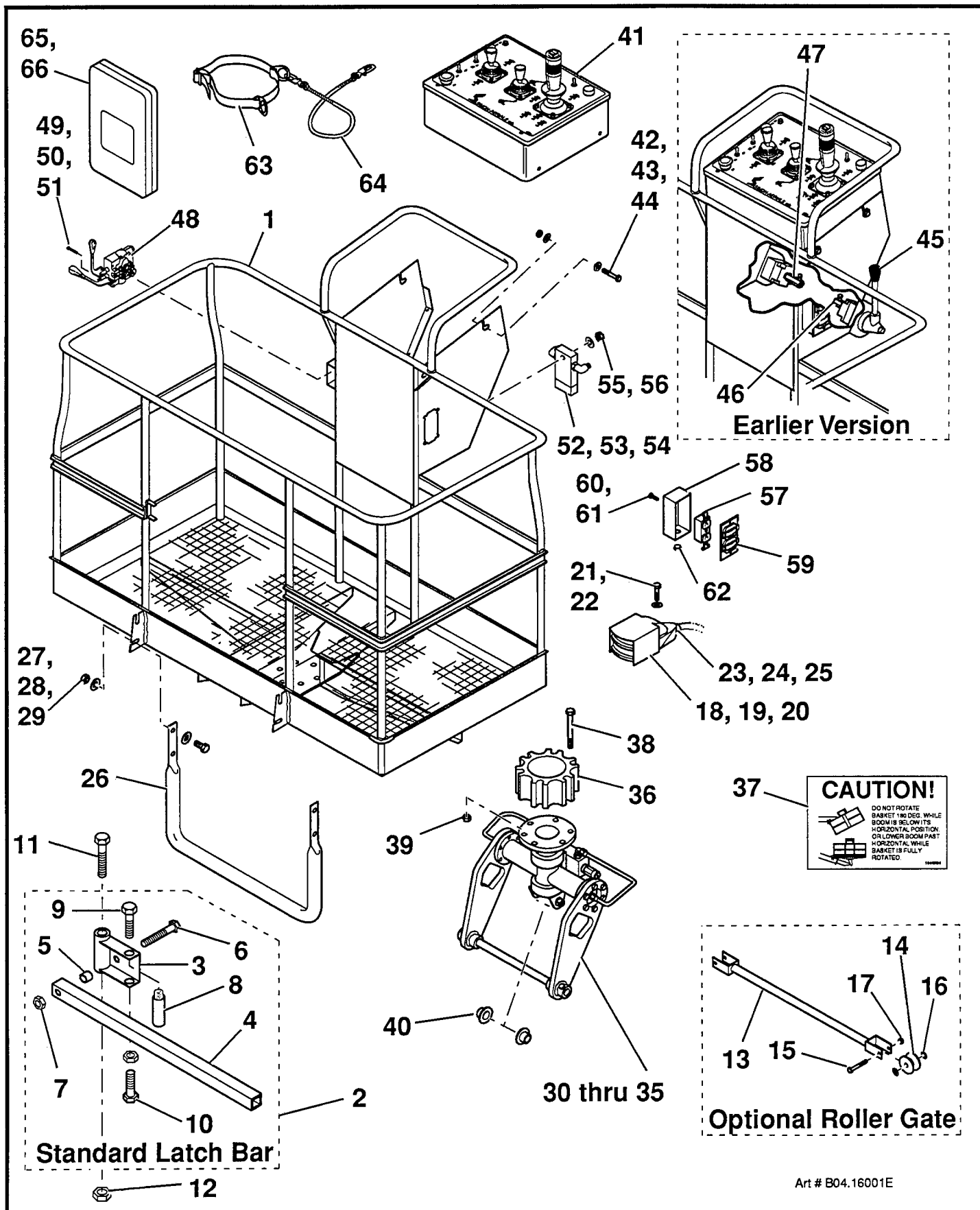
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
48	See Index	D14. -	VALVE, PLATFORM LEVEL AND ROTATE (Later versions)	1
49	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
50	07-060014		WASHER, FLAT (1/4", SAE)	2
51	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
52	01-001900		VALVE, CHECK (Pilot operated)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

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

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

NEW 01 DEC., 1994

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

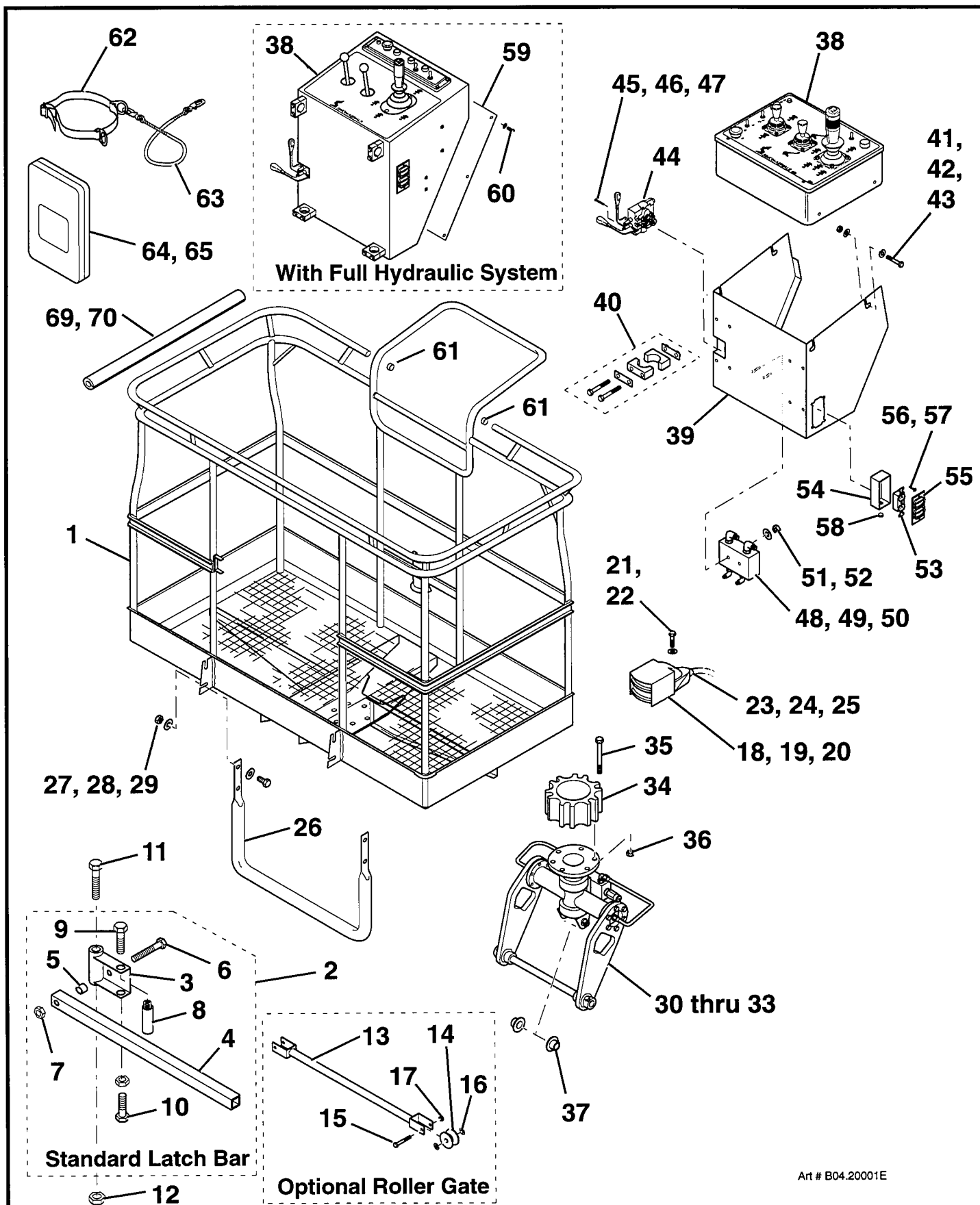
SIMON AERIALS INC.

NEW 01 DEC., 1994

PART
NO.

PLATE
NO. **B04.16**

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



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

PARTS LIST

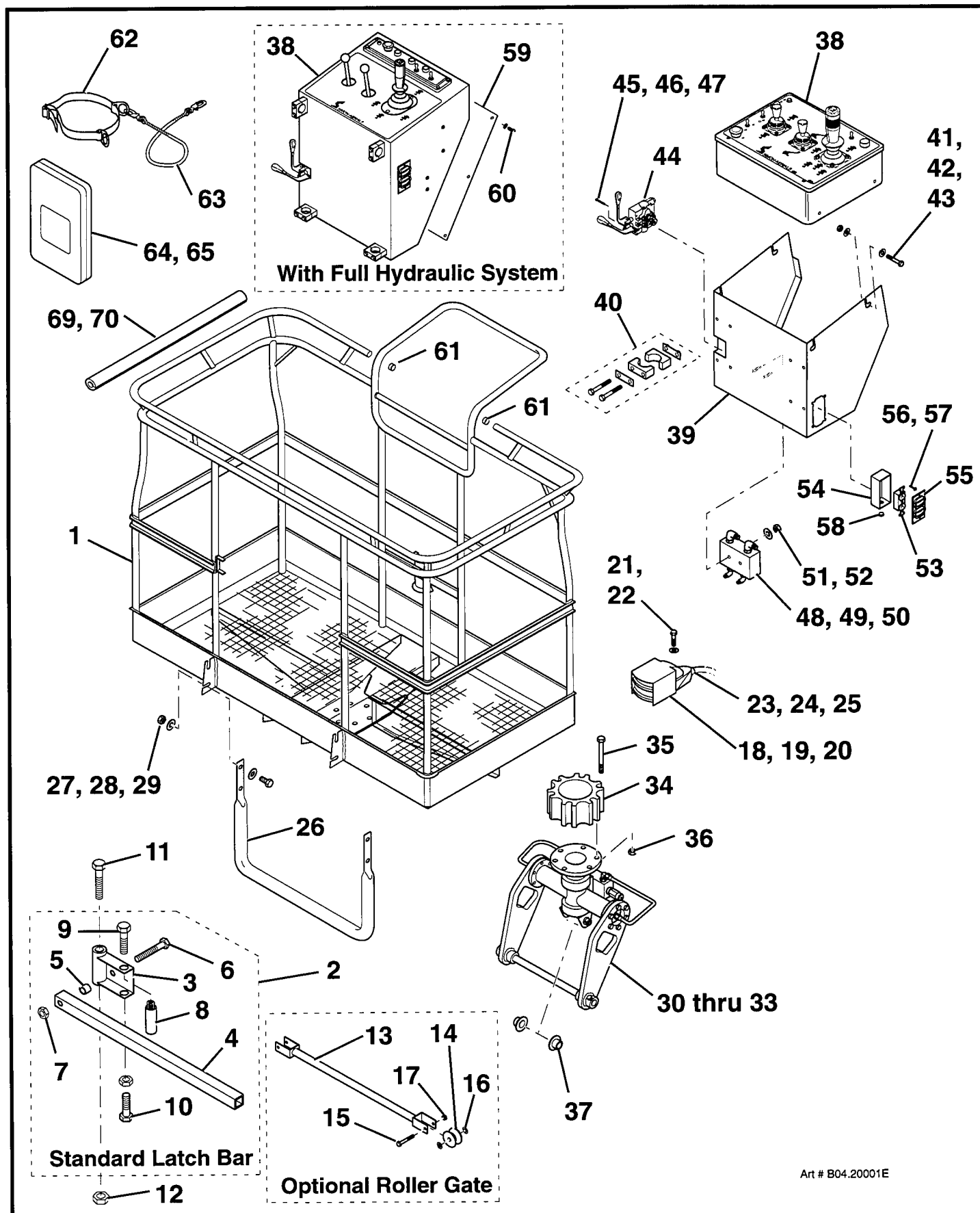
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	02-010600	D24.06	ACTUATOR, ROTARY (Helical type, 180°) (includes pins)	1
31			PIN, PLATFORM PIVOT (1-1/4" x 20")	1
	210 2940		except Canada (Standard type, included with actuator)	1
	219 4480		CSA standards (Specify if this type is needed)	1
32			PIN, SLAVE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

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

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

REV. 30 AUG., 1995
THIS SHEET ONLY

PART NO.



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 2 OF 3)

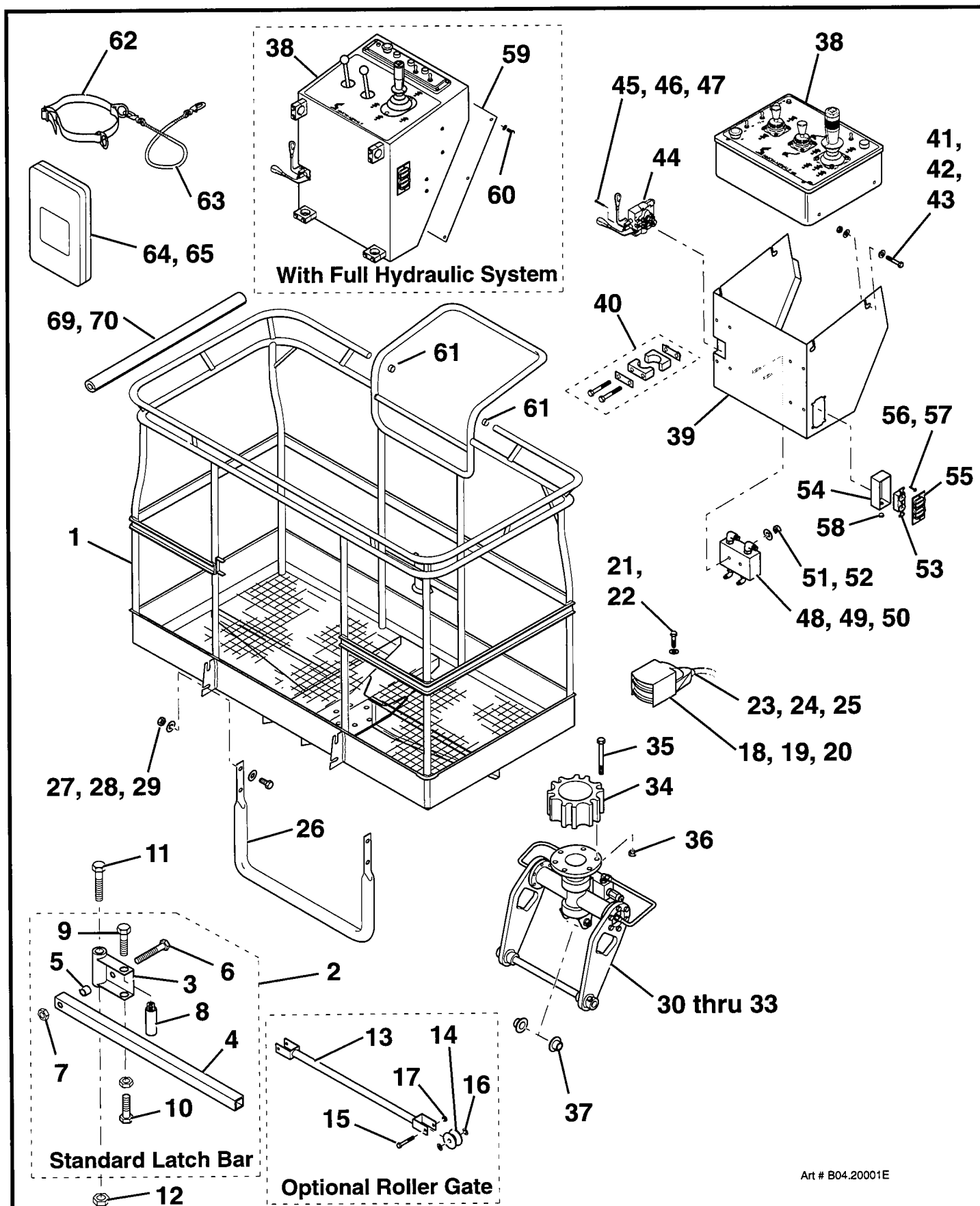
SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

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



TITLE

PLATFORM ASSEMBLY, MP SERIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 28 FEB., 1995

PART
NO.

PLATE
NO. **B04.20**

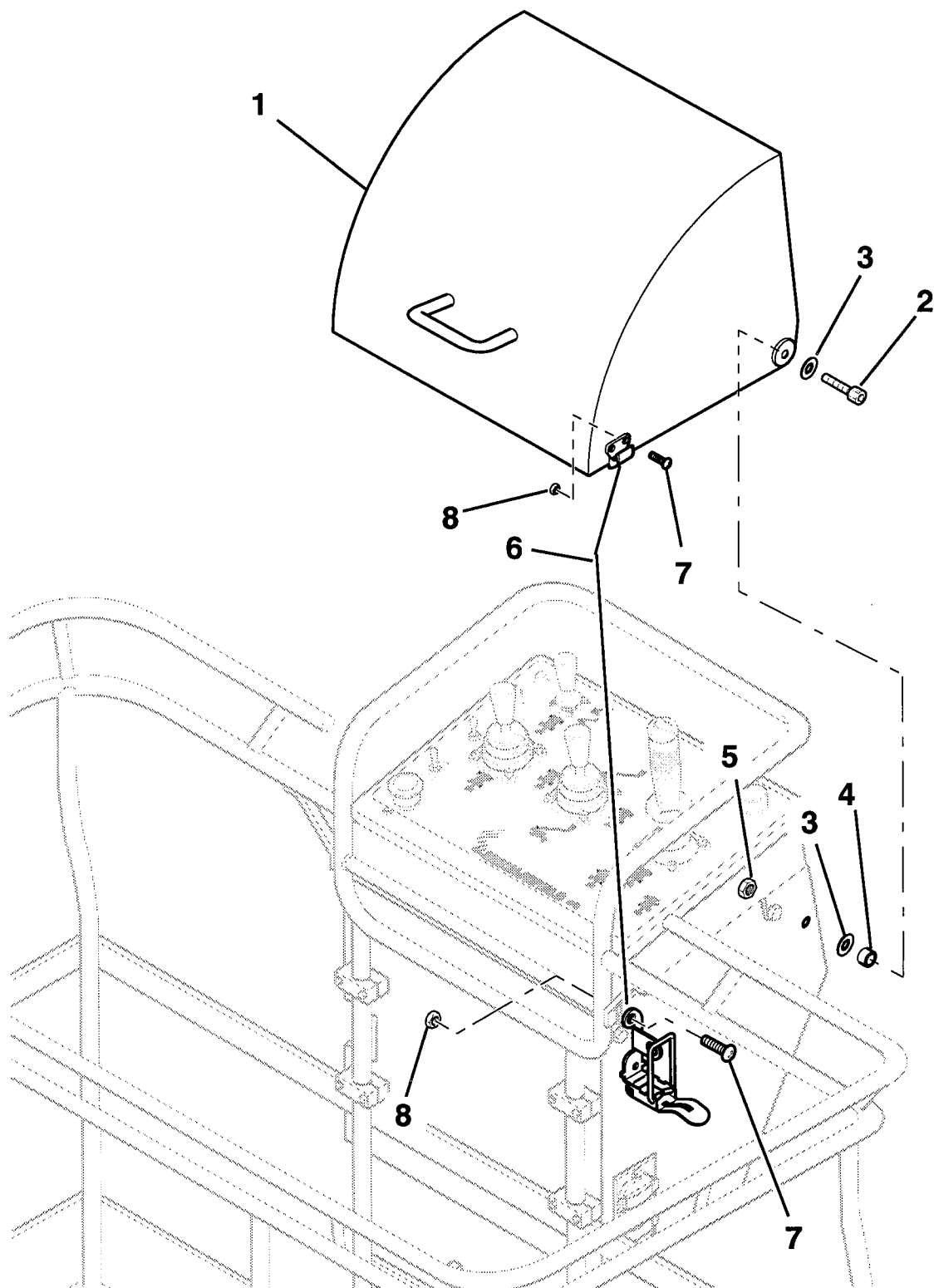
PARTS LIST

[illegible]

TITLE	PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES
-------	--

PLATE NO. B04.299	SIMON AERIALS INC.	REV. 27 OCT., 1994	PART NO. 2326440
--------------------------	---------------------------	--------------------	-------------------------

PART NO.	2326440
----------	---------



Art # B04.29901E

TITLE

PLATFORM CONSOLE COVER ASSEMBLY, MP/ RP SERIES

SIMON AERIALS INC.

REV. 27 OCT., 1994

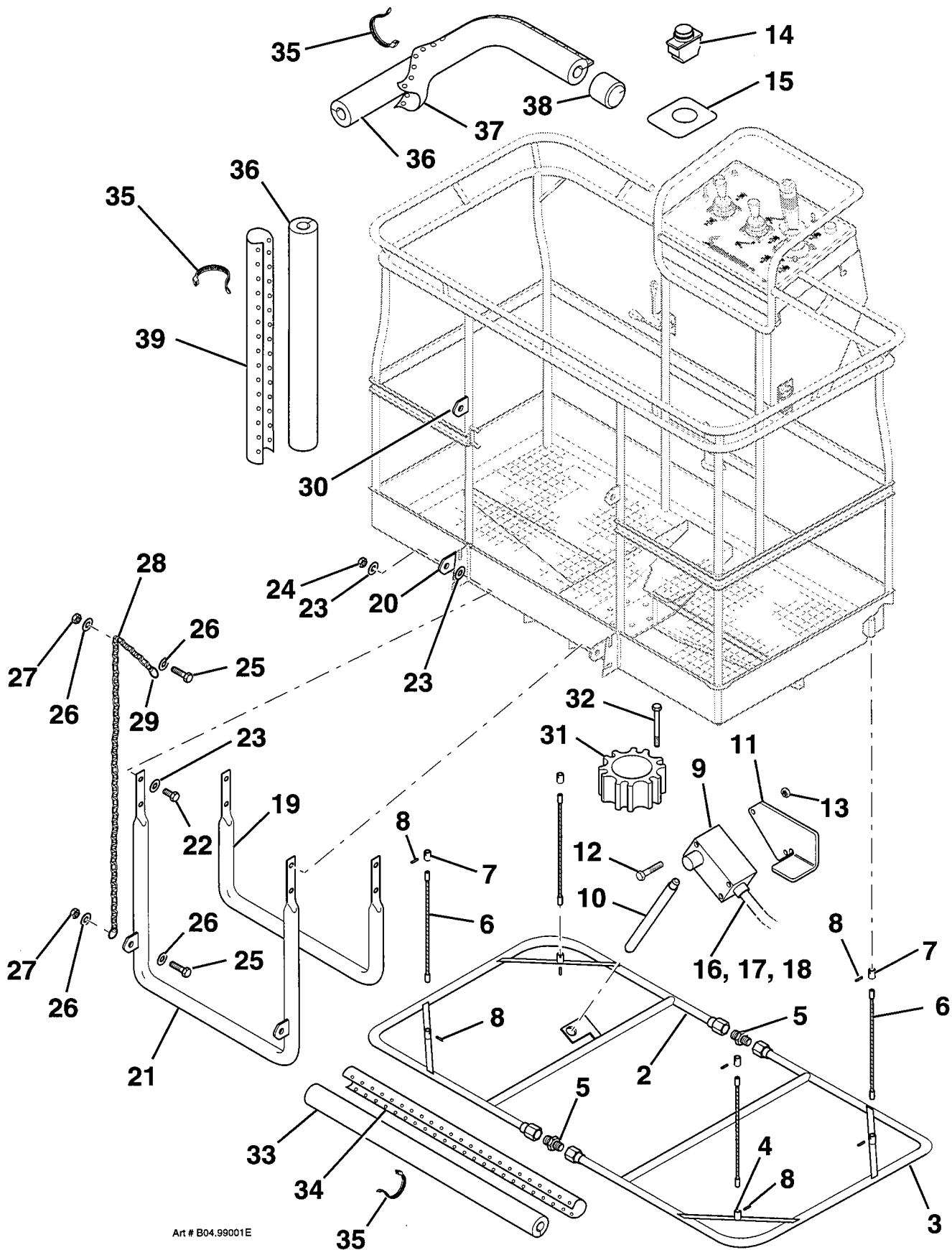
PART
NO.

2326440

PLATE
NO.

B04.299

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	Call Simon 234 5620		SENSOR RING PACKAGE for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
1	Call Simon		SENSOR RING ASSEMBLY	1
	Call Simon 234 5530 Call Simon		for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	
2	Call Simon 234 5540 Call Simon		SENSOR RING HALF (with limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
3	Call Simon 231 4490		SENSOR RING HALF (without limit switch actuator plate) (includes [2] collars, 217 3950) for 36" x 60" (.91 M x 1.52 M) Platform for 36" x 72" (.91 M x 1.83 M) Platform for 36" x 96" (.91 M x 2.44 M) Platform	1
4	Call Simon 217 3950		COLLAR, SENSOR RING	4
5	06-015300		UNION (12 HTX-S)	2
6	218 3350		WIRE ROPE ASSEMBLY	4
7	217 3950		COLLAR, SENSOR RING (welded to platform)	4
8	07-023600		SET SCREW, SOCKET HEAD (1/4"-20 x 1/2", Grade 5)	8
9	03-428300		SWITCH, LIMIT	1
10	217 5320		ROD, SENSOR RING SWITCH	1
11	234 5550		BRACKET, SWITCH MOUNTING	1
12	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	2
13	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
14	03-020300		SWITCH, PUSHBUTTON (Sensor ring override)	1
15	10-116800		DECAL, "SENSOR RING OVERRIDE . . ."	1
16	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, order as needed. 7 Ft. [2.1 M] needed here)	A.R.
17	03-045500		GRIP, CORD (1/2")	2
18	03-055500		NUT, CONDUIT LOCK (1/2")	1
TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 1 OF 2)				
PLATE NO.	B04.99	SIMON AERIALS INC.		PART NO.
		NEW 23 MAR., 1995		



Art # B04.99001E

TITLE

PLATFORM SENSOR RING ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 23 MAR., 1995

PART
NO.

PLATE
NO.

B04.99

PARTS LIST

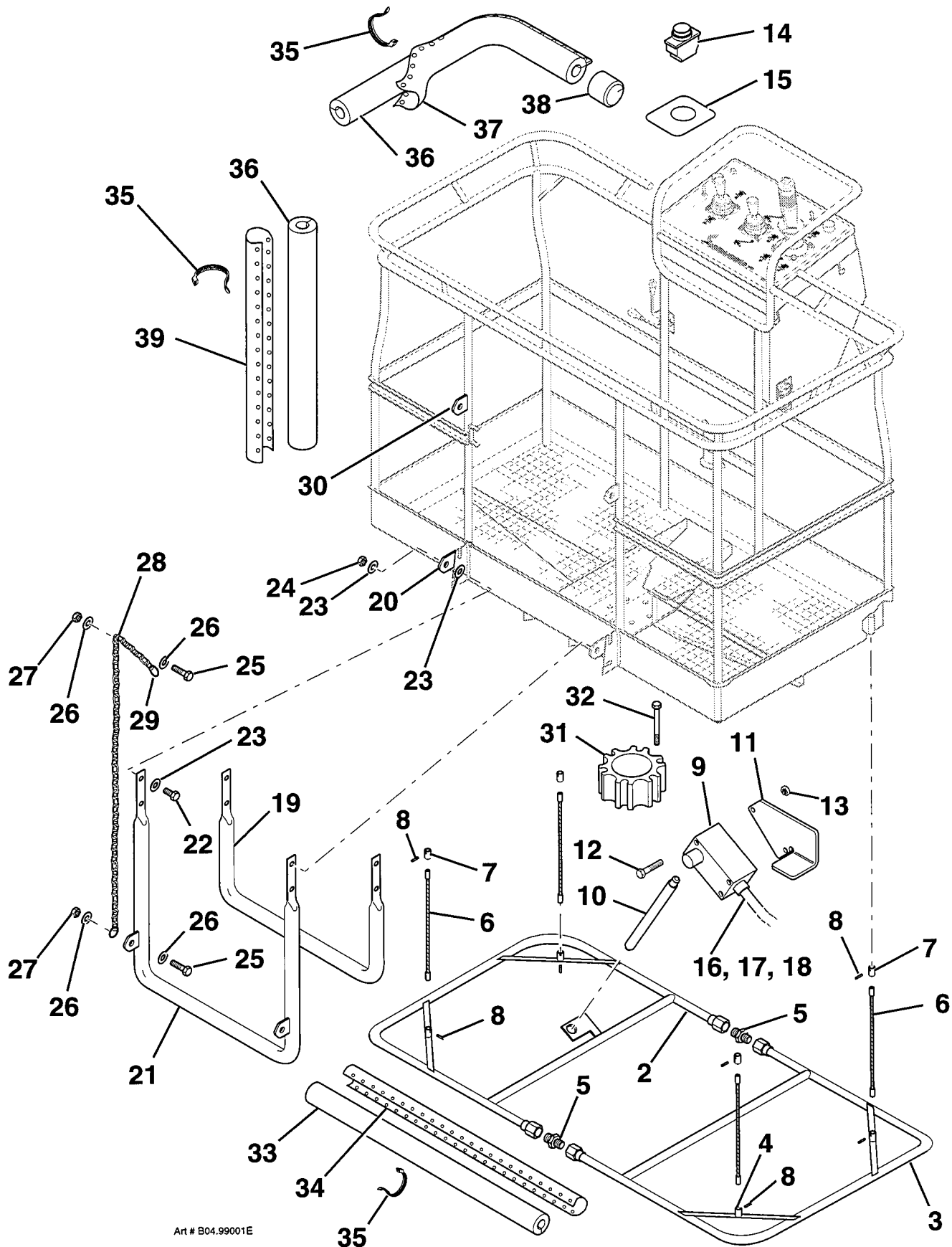
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	234 5560		STEP, FIXED (12-1/4" [.31 M] long) (replaces step found on standard platform)	1
20	234 5570		TAB, STEP MOUNTING	2
21	234 5590		STEP, FOLDING (28-1/8" [.71 M] long)	1
22	07-003065		CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	2
23	07-062017		WASHER,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

TITLE PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

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

NEW 23 MAR., 1995

PART NO.



Art # B04.99001E

TITLE

PLATFORM SENSOR RING ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 23 MAR., 1995

PART
NO.

PLATE
NO.

B04.99

PARTS LIST

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

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

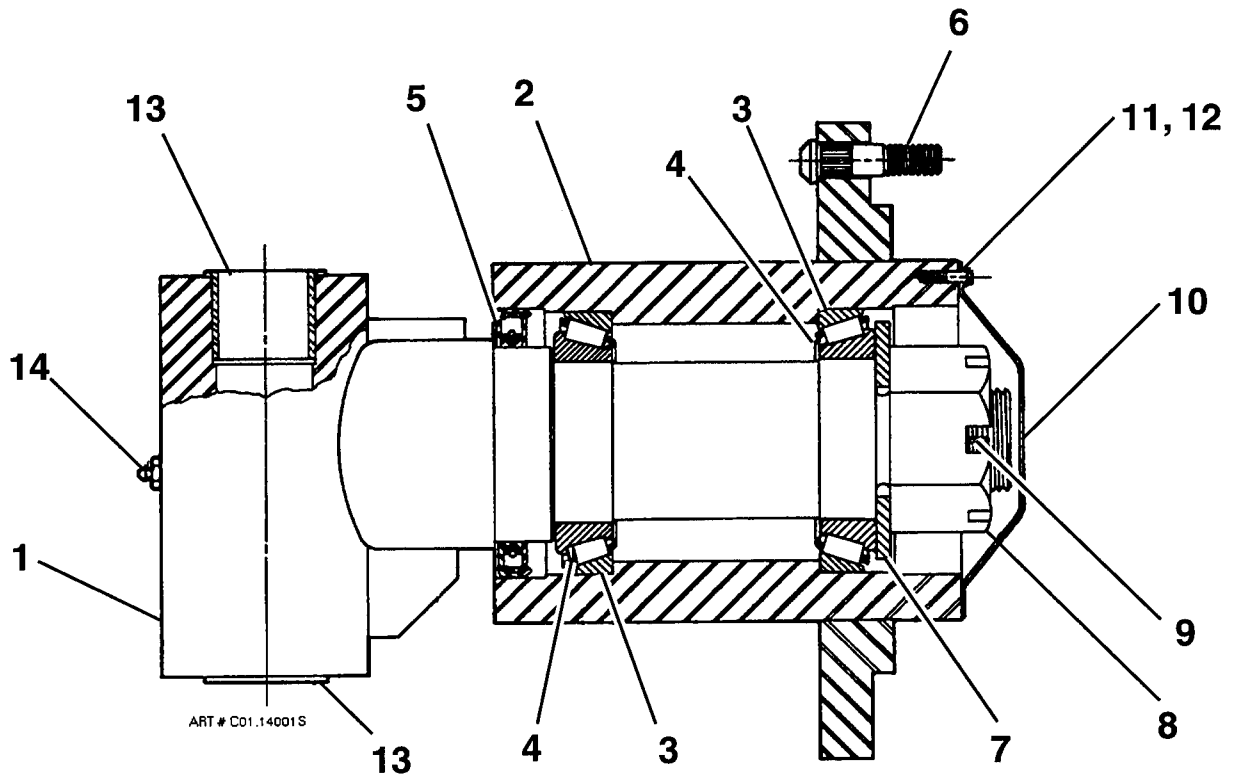
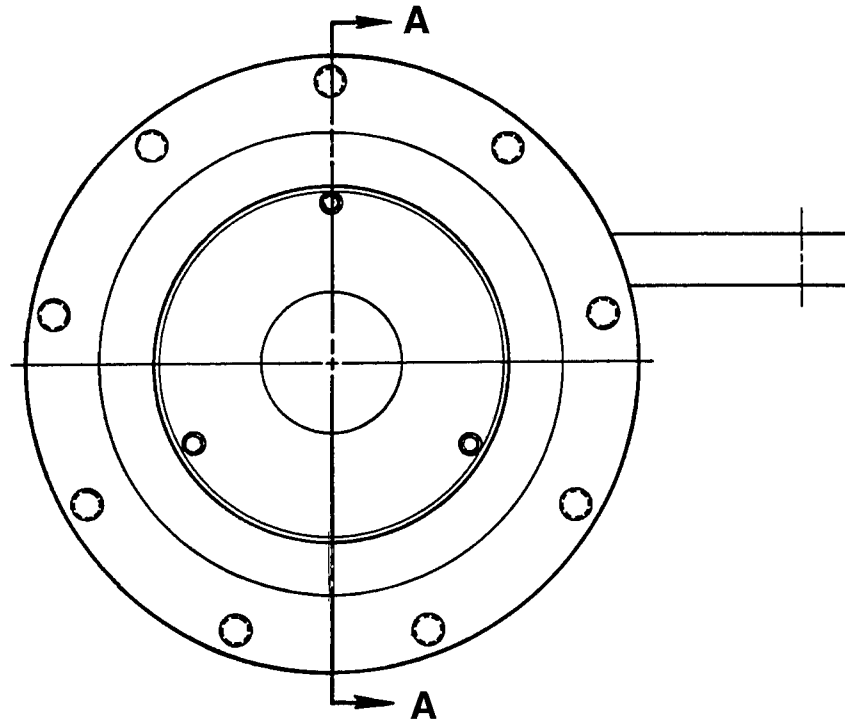
PLATE NO.

C01.05

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART NO.



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, RIGHT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

**PART
NO.**

**PLATE
NO. C01.05**

PARTS LIST

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

TITLE

SPINDLE ASSEMBLY, LEFT HAND

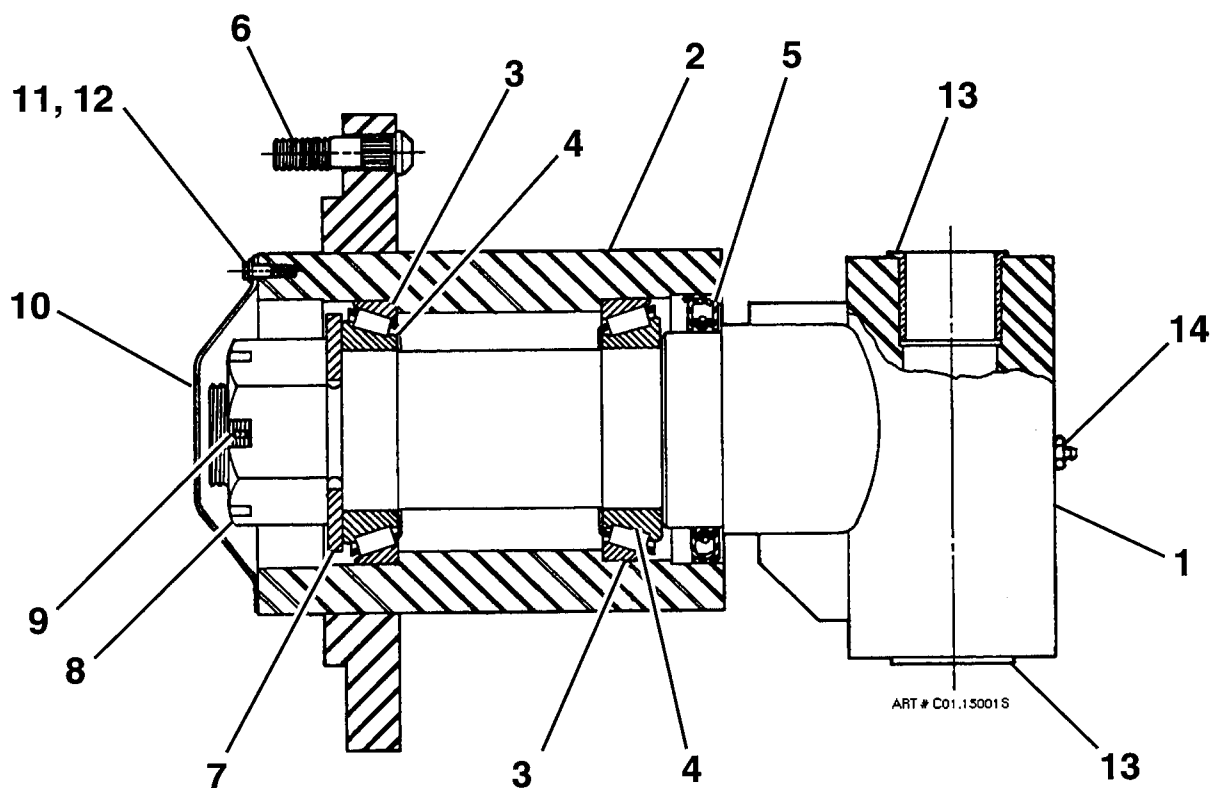
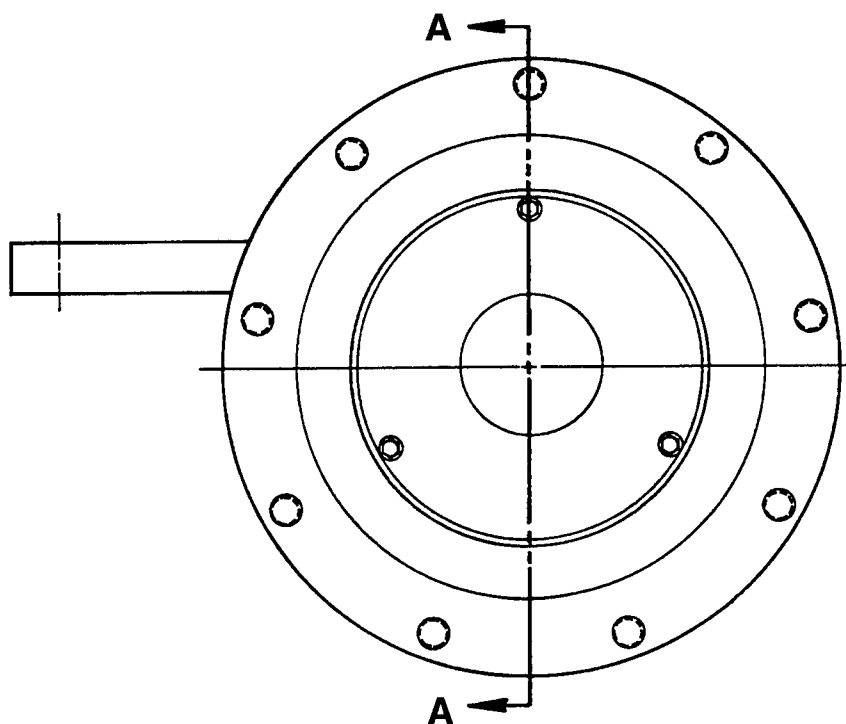
PLATE NO.

C01.06

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART NO.



SECTION "A" - "A"

TITLE

SPINDLE ASSEMBLY, LEFT HAND

SIMON AERIALS INC.

REV. 12 MAR., 1993

PART
NO.

PLATE
NO.

C01.06

PARTS LIST

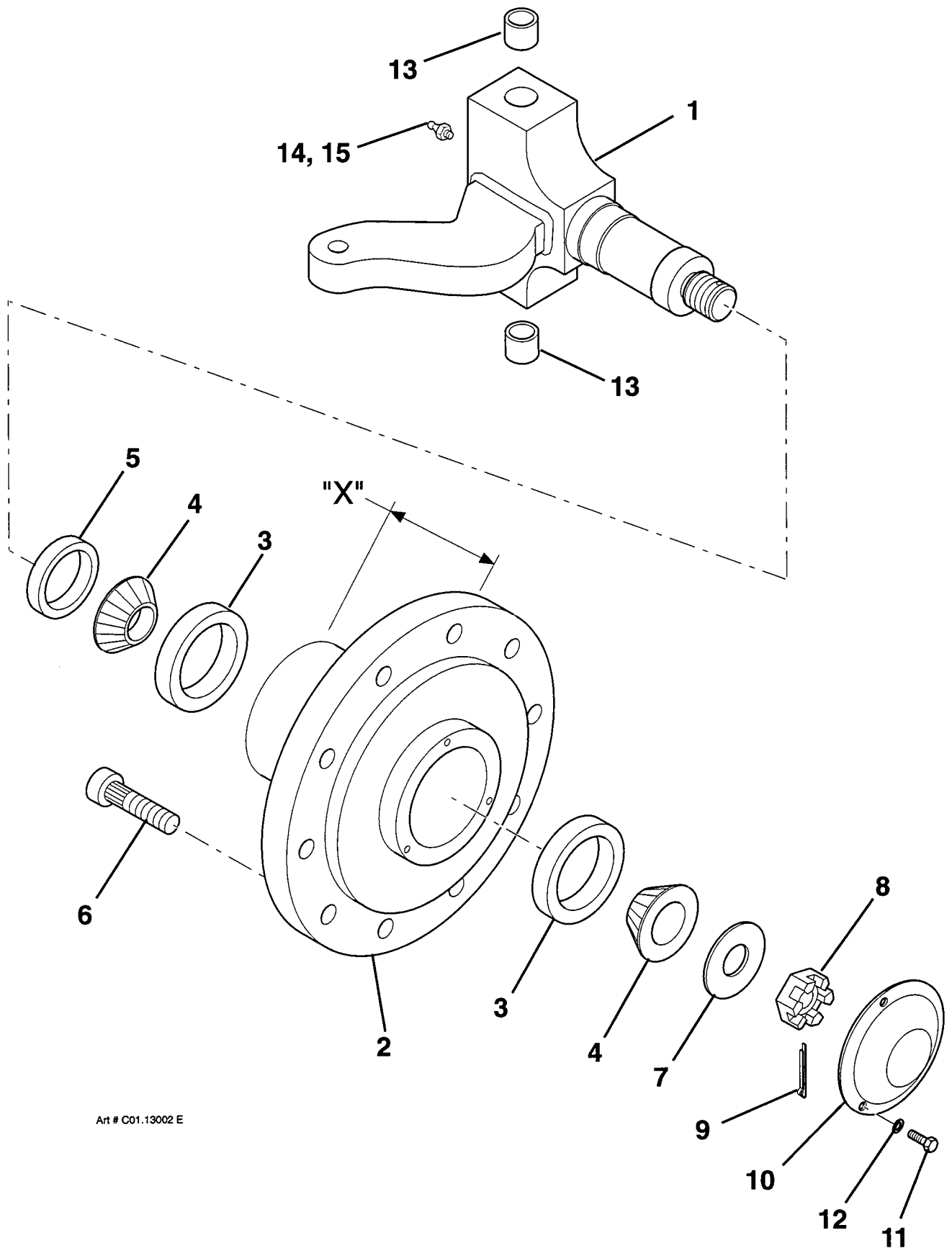
[illegible]

TITLE SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

PLATE NO.	C01.13	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 22 NOV., 1994

PART
NO.



TITLE

SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

SIMON AERIALS INC.

REV. 22 NOV., 1994

PART
NO.

PLATE
NO.

C01.13

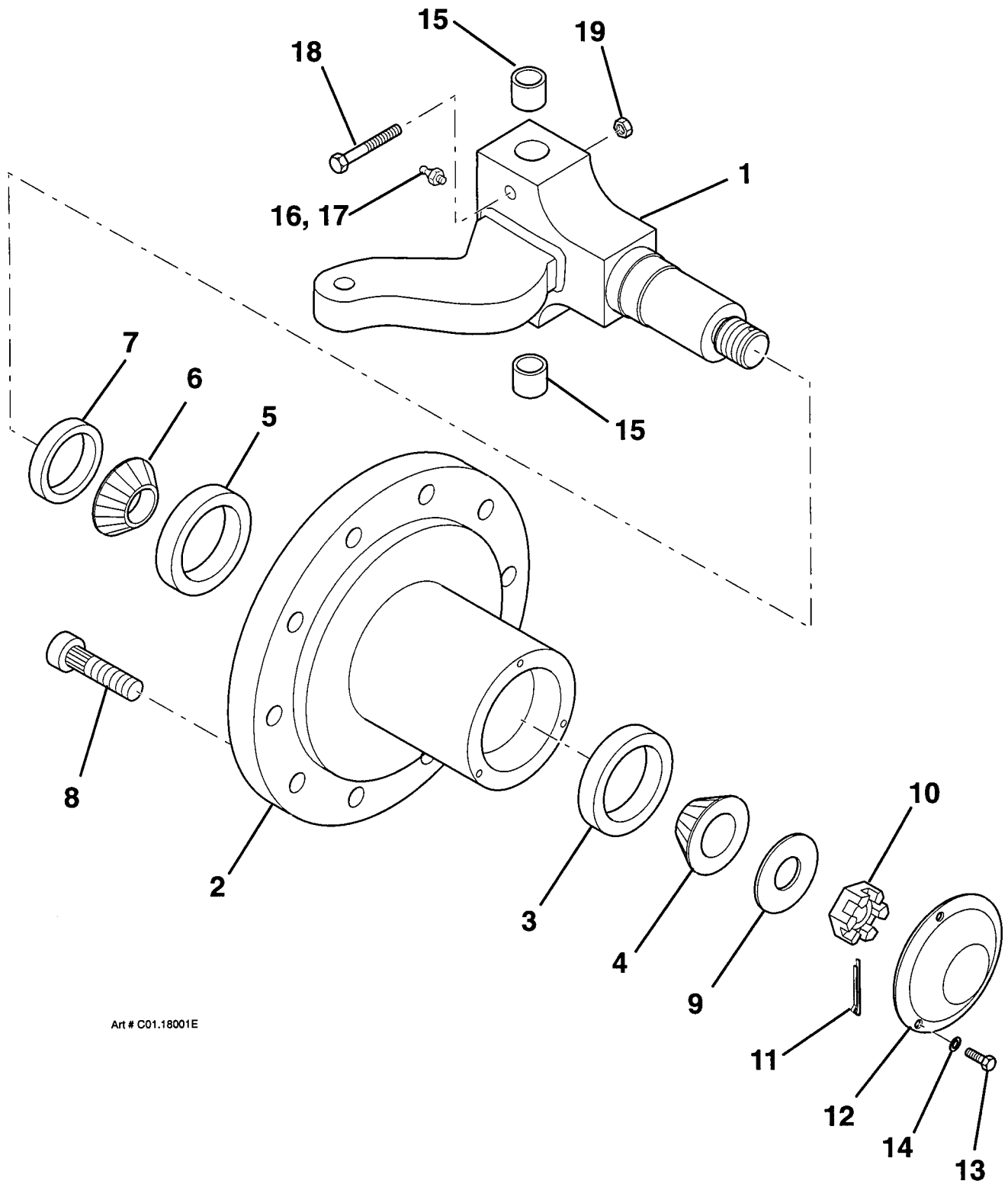
PARTS LIST

[illegible]

TITLE	SPINDLE ASSEMBLY, RIGHT AND LEFT HAND
-------	---------------------------------------

PLATE NO.	C01.18	SIMON AERIALS INC.	REV. 22 NOV., 1994	PART NO.	354 0700
-----------	--------	--------------------	--------------------	----------	----------

PART NO.	354 0700
----------	----------



TITLE

SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

SIMON AERIALS INC.

REV. 22 NOV., 1994

PART
NO.

354 0700

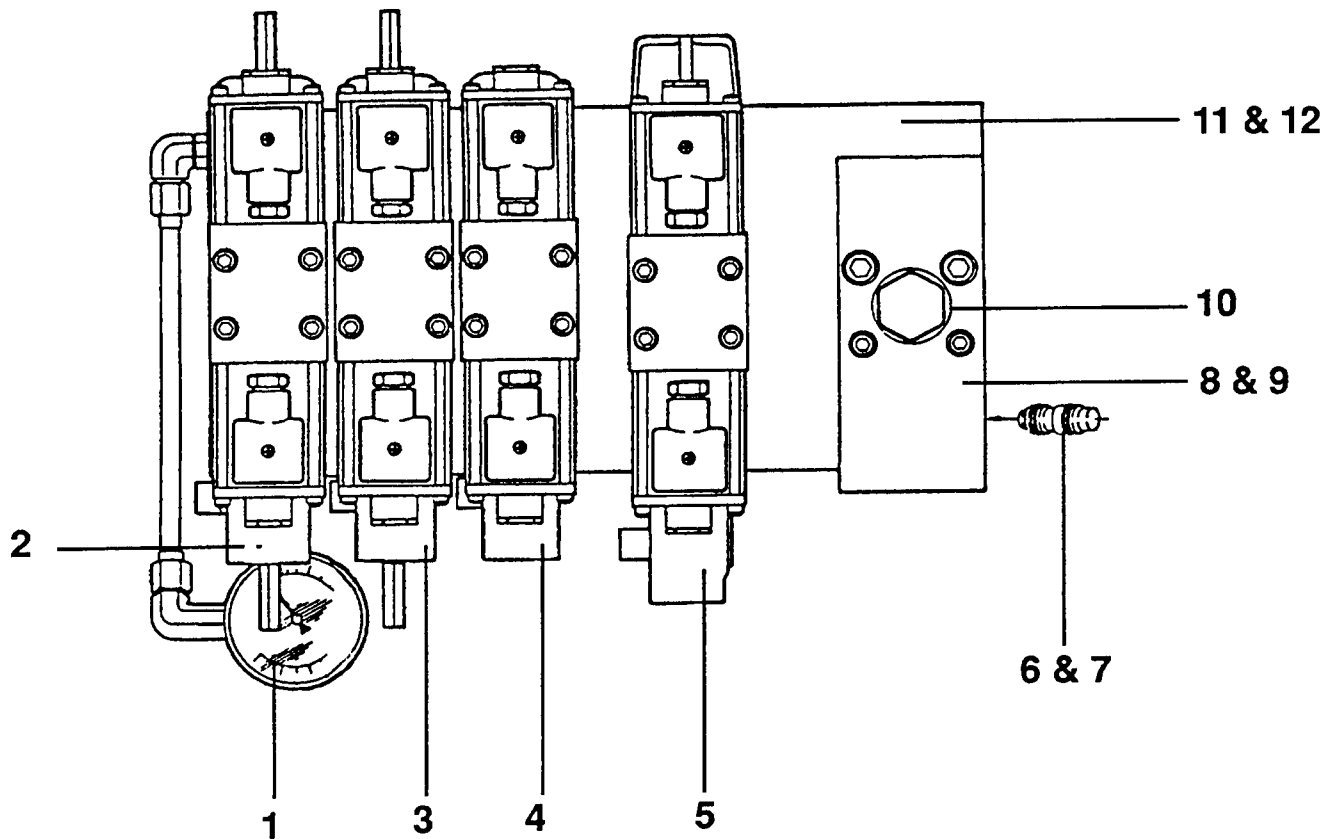
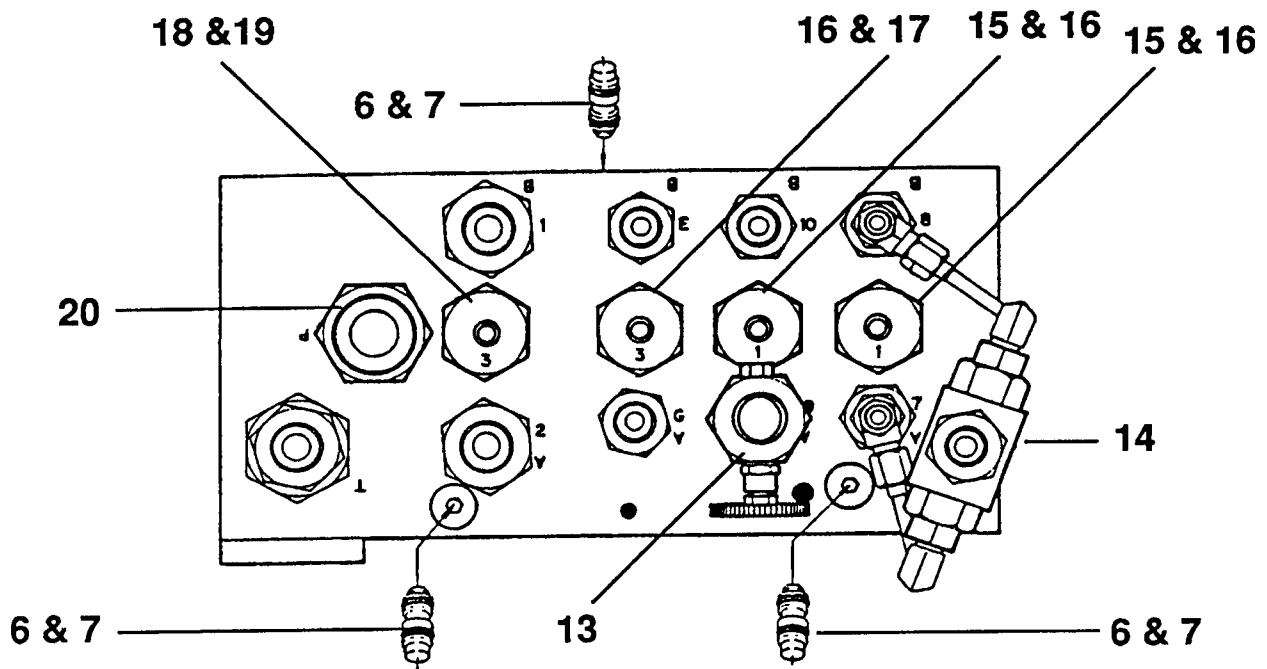
PLATE
NO.

C01.18

[illegible]

TITLE		VALVE BANK (DRIVE, TELESCOPE, HOIST AND SWING)	
PLATE NO.	C02.10	SIMON AERIALS INC. REV. 09/07/90	PART NO. 01-040300

TITLE		VALVE BANK (DRIVE, TELESCOPE, HOIST AND SWING)	
PLATE NO.	C02.10	SIMON AERIALS INC. REV. 09/07/90	PART NO. 01-040300



TITLE VALVE BANK (DRIVE, TELESCOPE, HOIST AND SWING)

SIMON AERIALS INC.

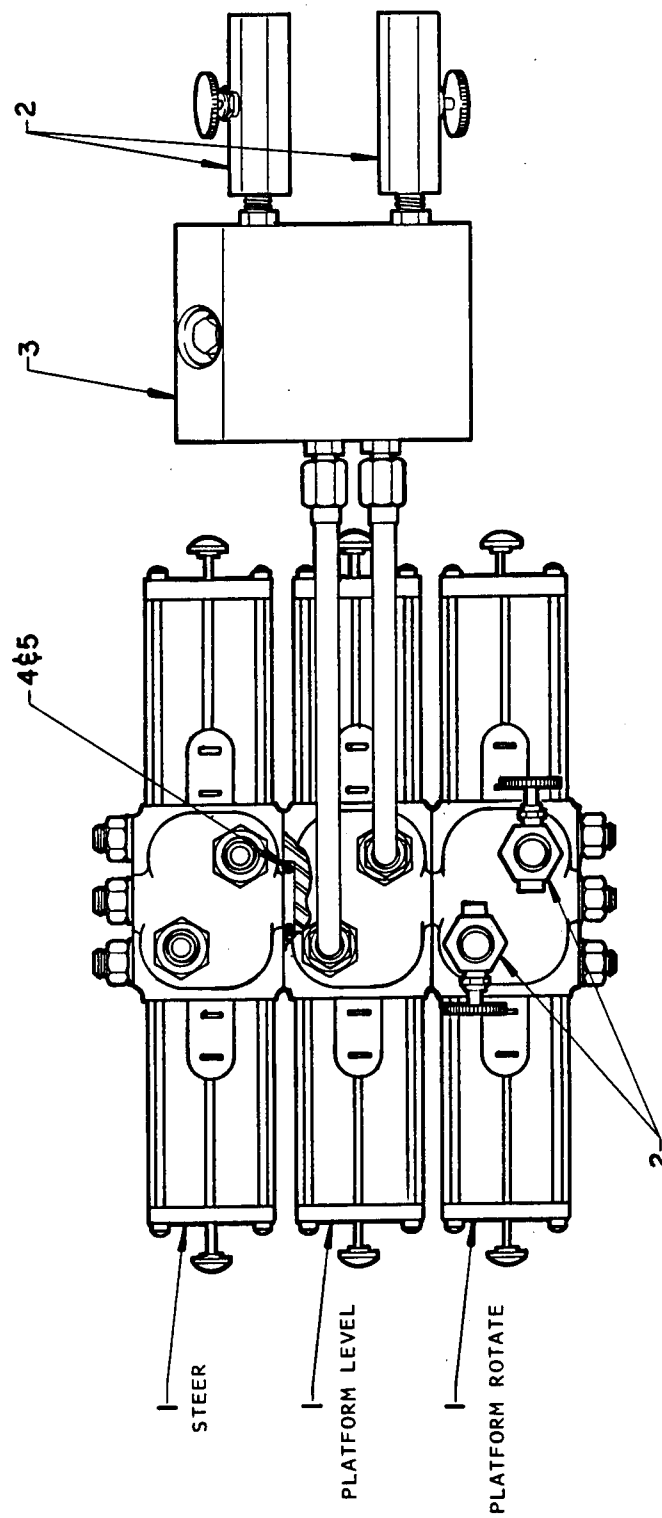
REV. 09/07/90

PART NO. 01-040300

PLATE NO. C02.10

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
2	01-000500		NEEDLE VALVE	4
3	01-001900		DOUBLE LOCK VALVE	1
4	01-031703		SEAL 1-1/16 O.D.	2
5	01-031702		SEAL 3/4 O.D.	2
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)			CAA-208469-7	



0385/0385

DESCRIPTION

VALVE BANK ASSEMBLY (CAB LEVEL & ROTATE, STEER)

PART NO.

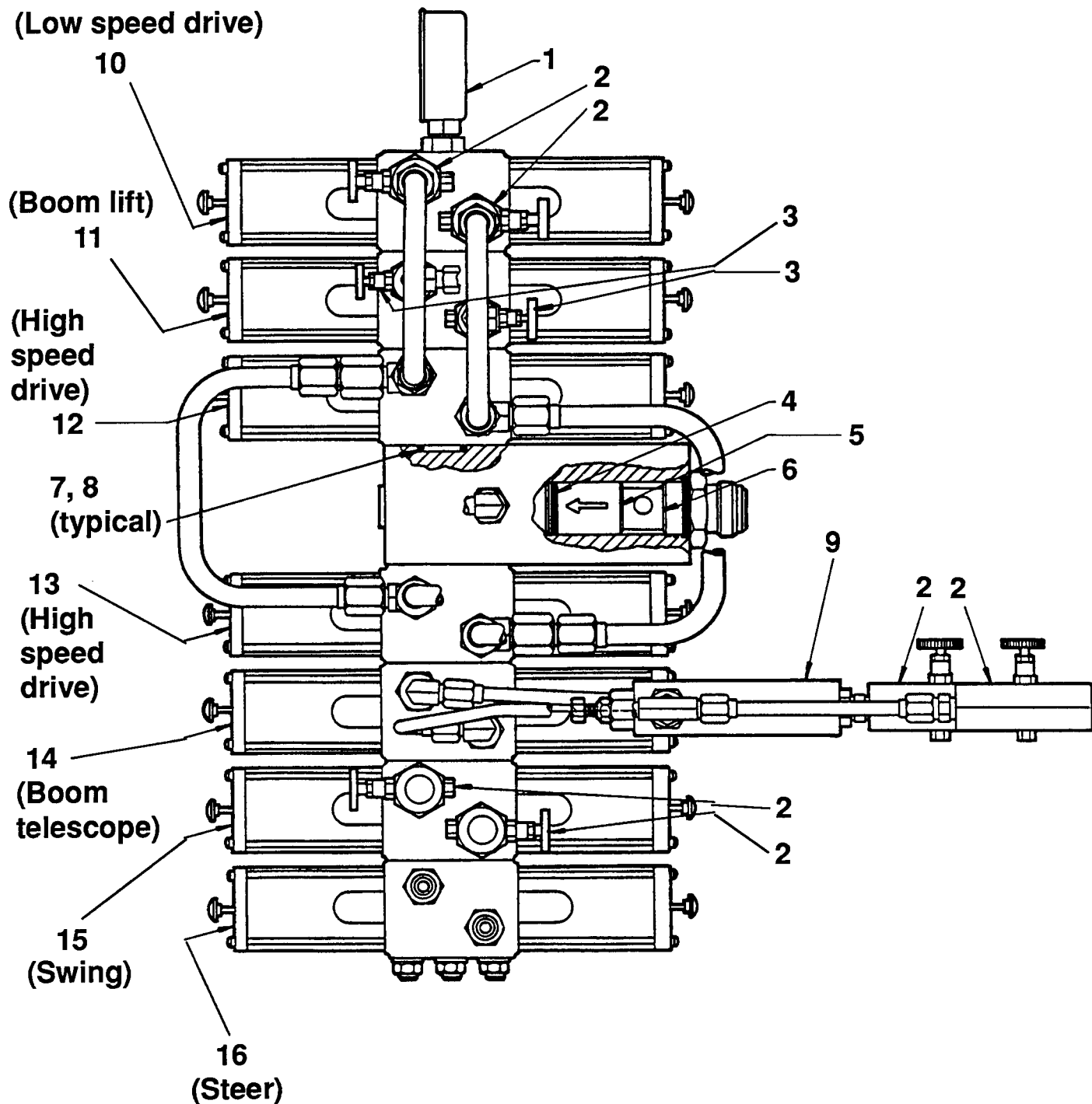
CAA-208469-7

PARTS LIST

[illegible]

TITLE VALVE BANK ASSEMBLY . . . 4-WHEEL DRIVE

PLATE NO. C02.15	SIMON AERIALS INC.	REV. 10/15/90	PART NO. 2092983
------------------	--------------------	---------------	------------------



TITLE

VALVE BANK ASSEMBLY . . . 4-WHEEL DRIVE

SIMON AERIALS INC.

REV. 10/15/90

PART
NO.

2092983

PLATE
NO.

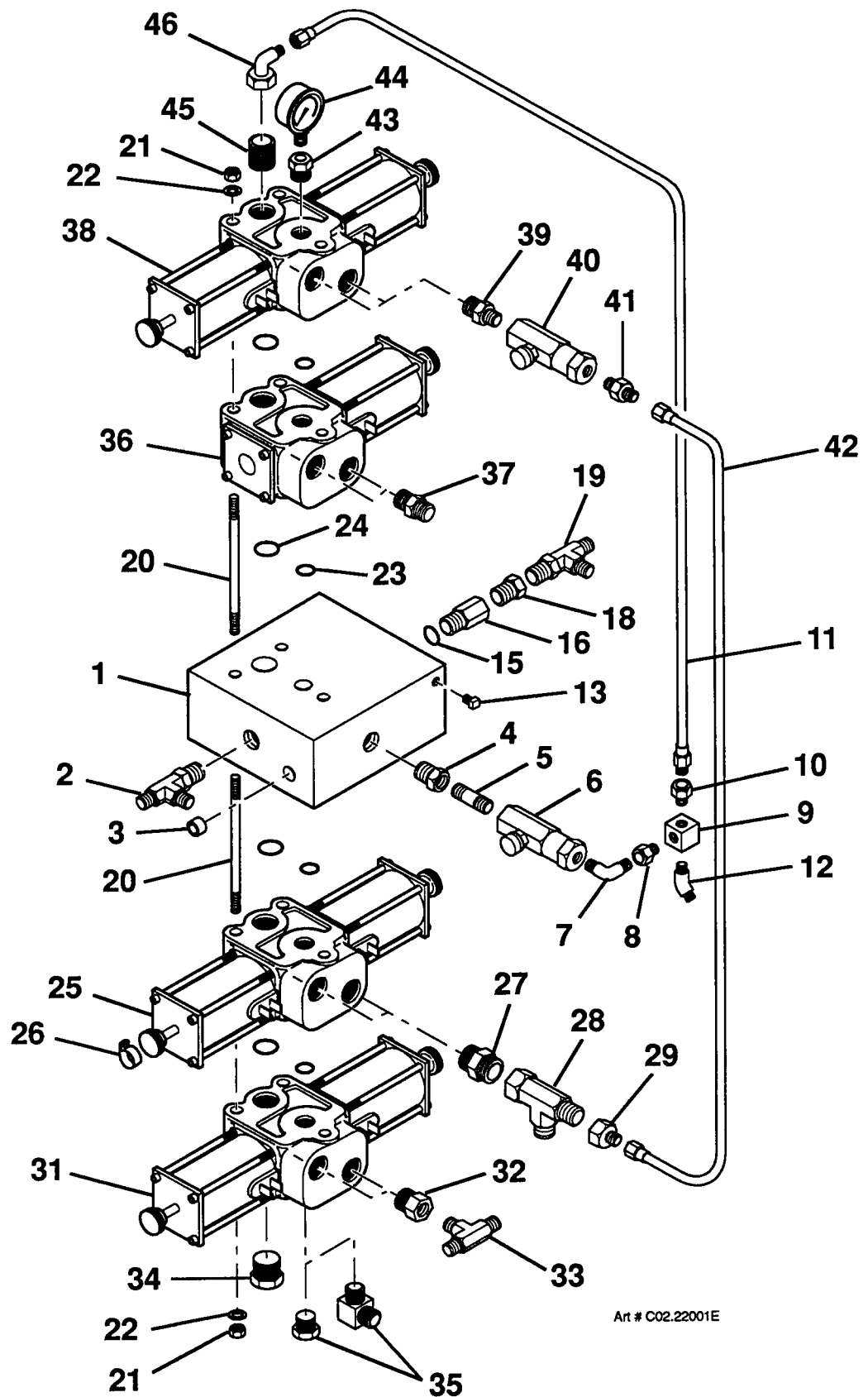
C02.15

PARTS LIST

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

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

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



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

SIMON AERIALS INC.

REV. 06/26/91

PART NO. 3511020

PLATE NO. C02.22

PARTS LIST

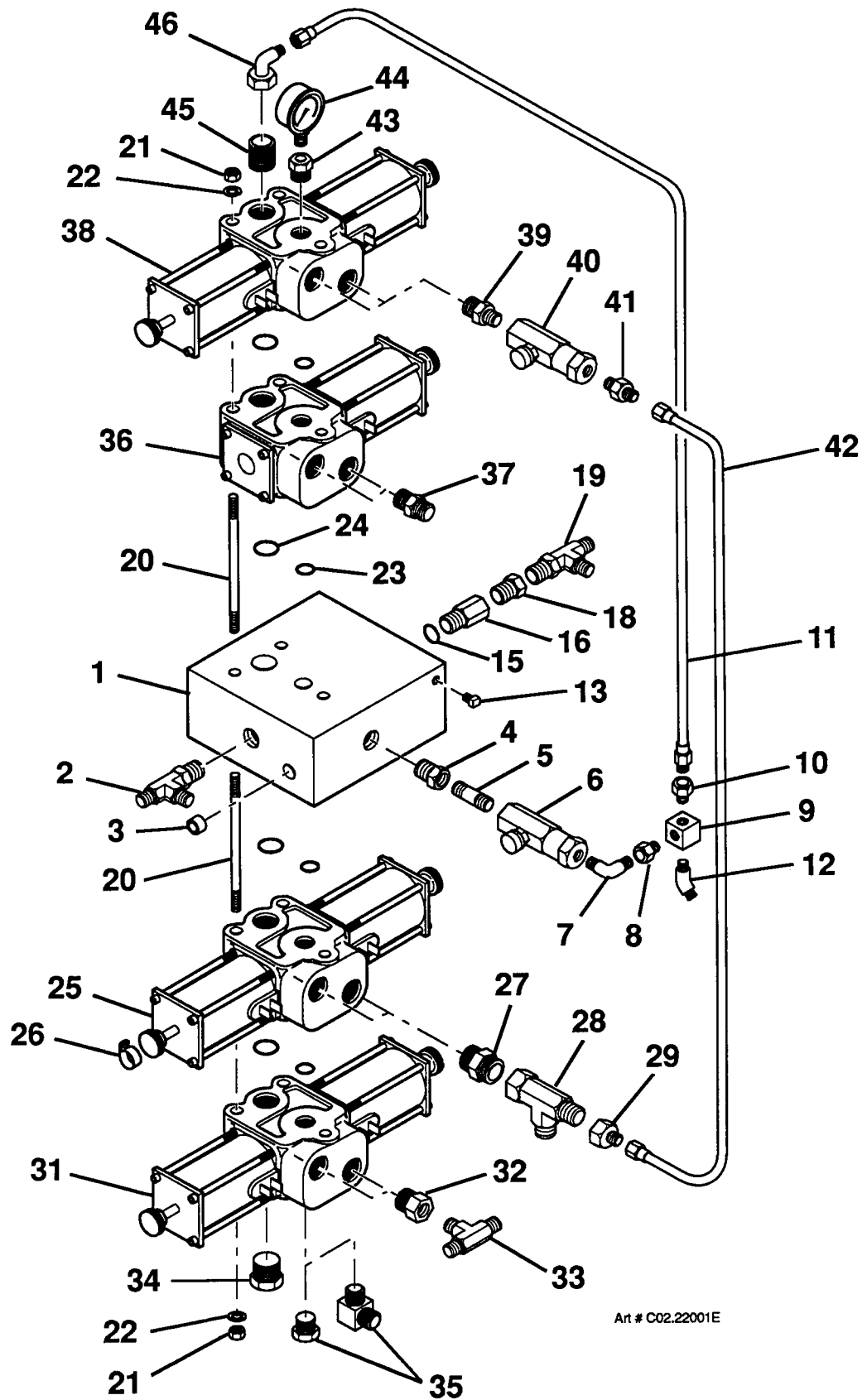
[illegible]

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

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

REV. 06/26/91

PART NO. 3511020



Art # C02.22001E

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2025214		MANIFOLD, CONTROL VALVE	1
2	06-044800		ELBOW, STRAIGHT THREAD (8 C50X) (used on models without steering relief valves)	1
			<i>TEE, STRAIGHT THREAD</i> (used on models with steering relief valves)	1
3	06-095100		PLUG, HOLLOW HEX (8 HP50N)	1
4	06-086800		ADAPTER, FEMALE PIPE (8-1/4 F50G)	1
5	06-076900		NIPPLE, PIPE THREAD ADAPTER (PH 1/4 FF)	1
6	01-012300		VALVE, FLOW CONTROL	1
7	06-082500		ELBOW, PIPE THREAD (1/4 CR)	1
8	06-086600		ADAPTER, FEMALE PIPE (6-1/4 F50G)	1
9	01-013800		VALVE, SHUTTLE	1
X	01-071200		SEAL KIT, SHUTTLE VALVE (also on C02.22 ?)	1
10			<i>FITTING (6 F50X)</i>	1
11	3515420		TUBE ASSEMBLY (Shuttle valve return line ?)	1
X	3511060		TUBE ASSEMBLY	2
12	06-047000		ELBOW, 45° STRAIGHT THREAD (6 V50X)	1
13	06-000003		<i>PLUG, HEX HEAD (1/4 HP)</i> (11-075400 is in BOM-1/4 sq hd)	1
14	06-041100		CONNECTOR, STRAIGHT THREAD (12-16 F50X) (not shown)	1
15	01-034200		"O"-RING (1.051" I.D.)	1
16	01-034100		VALVE, CARTRIDGE CHECK (3,000 PSI)	1
17	2015109		SPACER, CHECK VALVE (not shown)	1
18	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X)	1
19			<i>TEE</i>	1
20	2096568		ROD, THREADED (3/8"-16 x 6-1/4")	3
20a	2018274		ROD, THREADED (3/8"-16 x 8-1/2")	3
21	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
22	07-065016		WASHER, HELICAL LOCK (3/8")	6
23	01-031702		"O"-RING (3/4" O.D.)	5
24	01-031703		"O"-RING (1-1/16" O.D.)	5
25	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	2
26	10-005300?		BAND (to prevent manual operation of high speed valve)	4
27	06-040900		CONNECTOR, STRAIGHT THREAD (12-8 F50X)	2
28	06-054800		RUN TEE, SWIVEL NUT (12 R6X)	2
29	06-057800		NUT, TUBE (12 BTX)	2
30	06-060900		REDUCER, TUBE END (12-8 TRTX) (not shown)	2
31	01-031700	D13.01	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
32			<i>REDUCER</i>	2

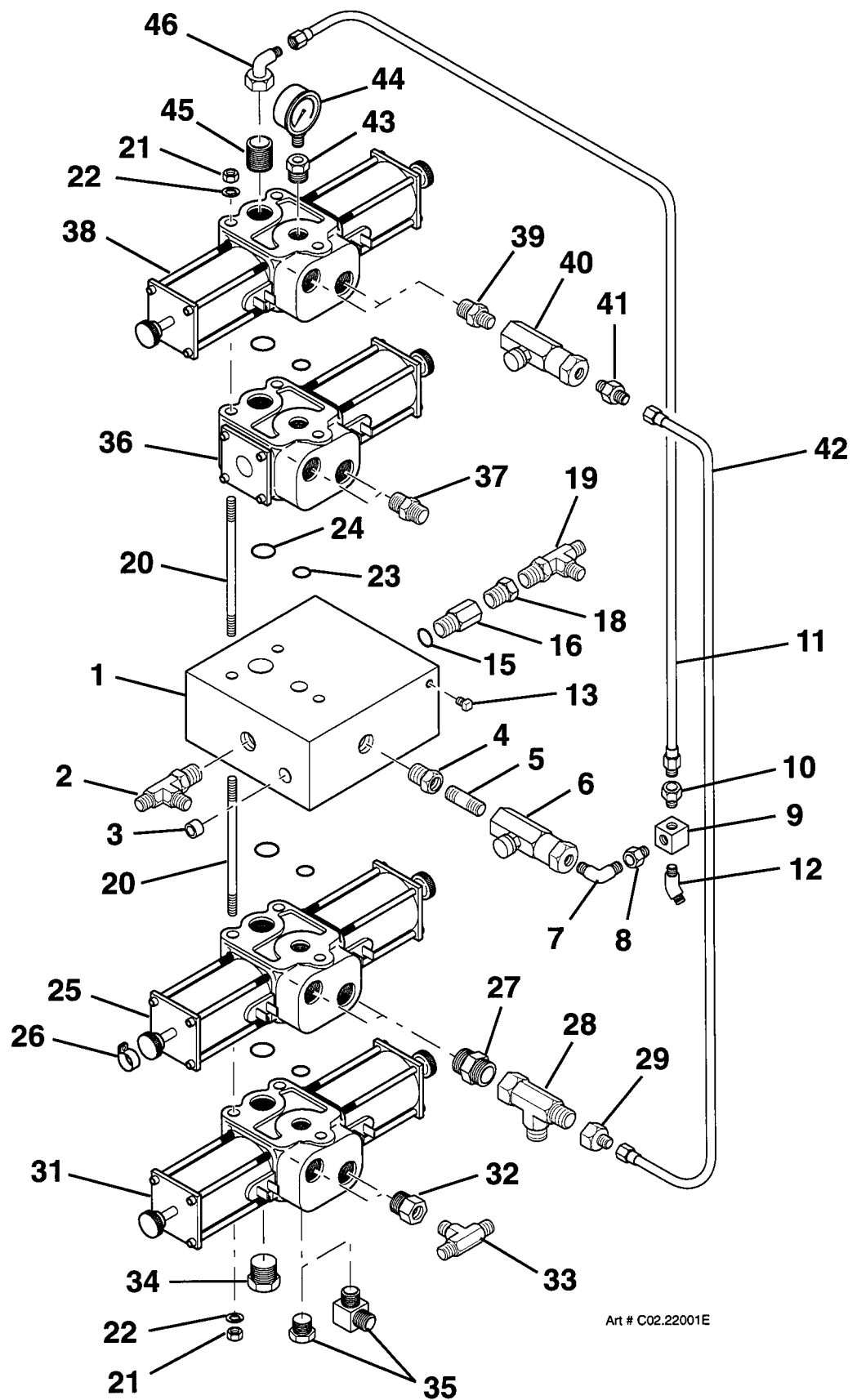
TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

PLATE NO. C02.23

SIMON AERIALS INC.

REV. 07/08/91

PART NO. 3514840



Art # C02.22001E

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

SIMON AERIALS INC.

REV. 07/08/91

PART NO. 3514840

PLATE NO. C02.23

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
33	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X) (used on models without steering relief valves) <i>TEE, STRAIGHT THREAD</i> (used on models with steering relief valves)	2
34	06-040500		CONNECTOR, STRAIGHT THREAD (10-8 F50X)	1
35	06-095000		PLUG, HOLLOW HEX (6 HP50N)	1
	06-044600		(used on models without 2 speed drive or 4WD) ELBOW, STRAIGHT THREAD (6 C50X) (used on models with 2 speed drive or 4WD)	1
36	01-061900		VALVE, DIRECTIONAL (Diverter valve) (Solenoid operated, 4 way, 2 position)	1
37	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	2
38	01-031800	D13.02	VALVE, DIRECTIONAL (Low speed valve) (Solenoid operated, 4 way, 3 position, open center)	1
39	06-096200		UNION (8 F50 F50)	2
40	01-019000		VALVE, FLOW CONTROL	2
41	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	1
42	3511050		TUBE ASSEMBLY (Low speed valve to high speed valve)	2
43	06-086600		ADAPTER, FEMALE PIPE (6-4 F50)	1
44	01-021000		GAUGE, HYDRAULIC PRESSURE (0-4000 PSI)	1
45	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	1
46	06-051500		CONNECTOR (6 C6X)	1
47	03-436500		HARNESS, WIRE (not shown)	1
			These parts on bill, not identified:	
X	06-040900		CONN., STRAIGHT THREAD (12-8 F50X) same as #27	2
X	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X) same as #33	1
X	06-048500		TEE (6 R50X)	1
X	06-051800		ELBOW, SWIVEL NUT (12 C6X)	2
X	06-054800		RUN TEE, SWIVEL NUT (12 R6X) same as #28	2
X	06-095100		PLUG, HOLLOW HEX (8 HP50N) same as #3	1

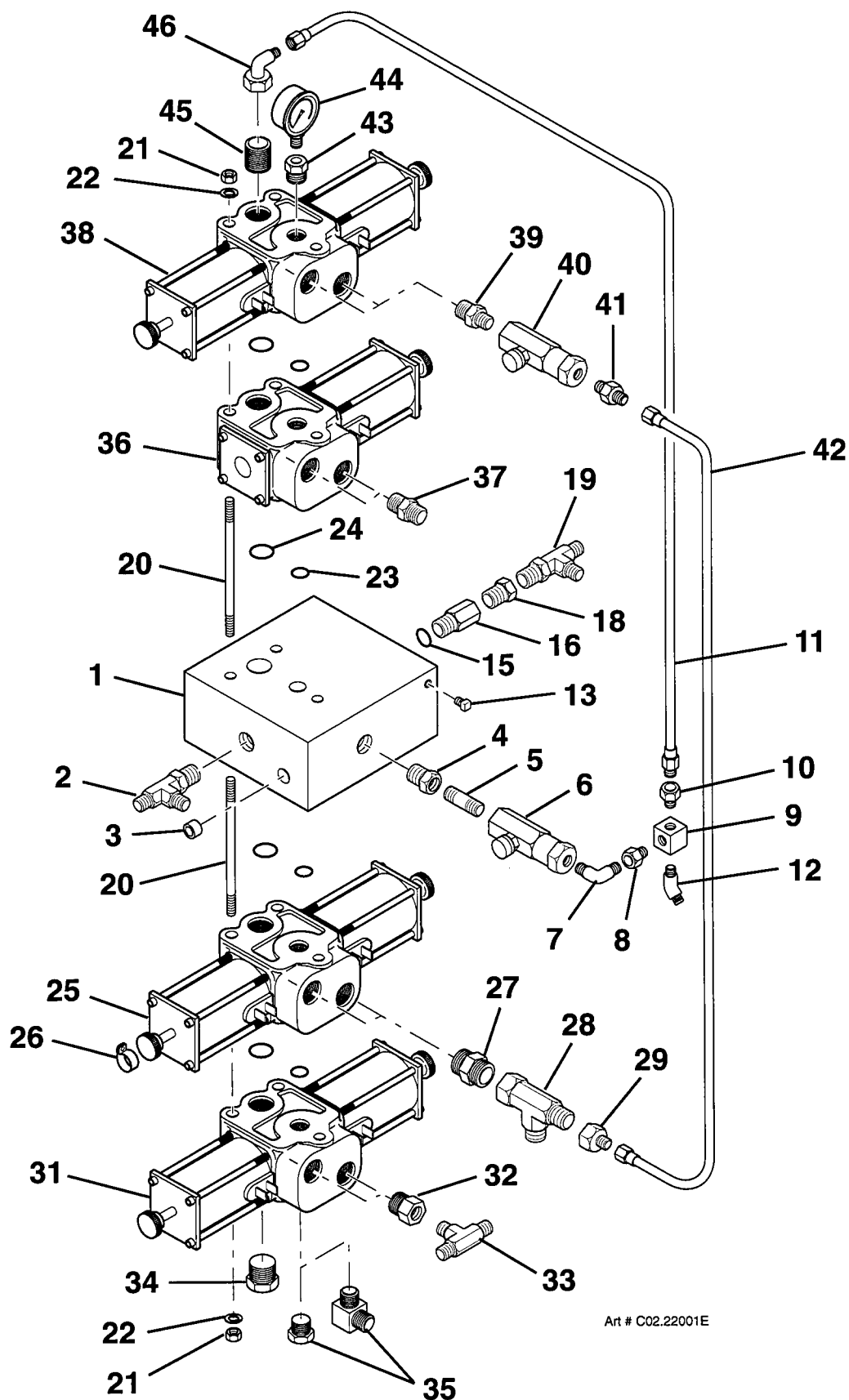
TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 2 OF 2)

PLATE NO. C02.23

SIMON AERIALS INC.

REV. 07/08/91

PART NO. 3514840



Art # C02.22001E

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

SIMON AERIALS INC.

REV. 07/08/91

PART NO. 3514840

PLATE NO. C02.23

PARTS LIST

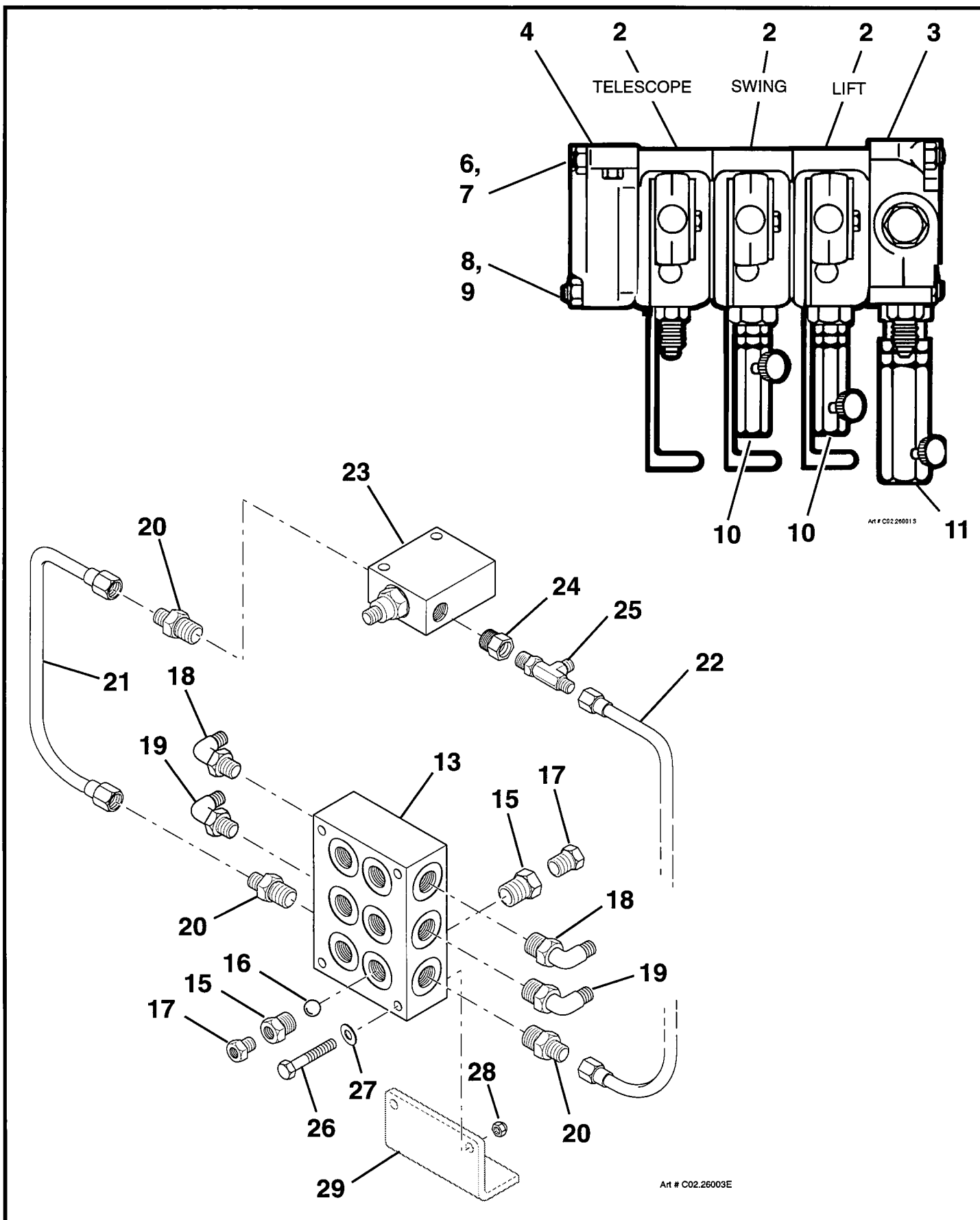
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			VALVE BANK ASSEMBLY, GROUND (Lift, swing, telescope)	1
2	01-067701	D14.02	VALVE SECTION, 4-WAY MANUAL	3
3	01-067704		VALVE SECTION, INLET	1
4	01-067705		END SECTION, VALVE	1
5			TIE ROD KIT	1
6			TIE ROD (5/16"-11 X 6-3/4" long)	2
7			NUT, HEX (5/16"-11)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

TITLE VALVE BANK ASSEMBLY (LIFT, SWING, TELESCOPE)

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

REV. 08/26/91

PART NO.



TITLE

VALVE BANK ASSEMBLY (LIFT, SWING, TELESCOPE)

SIMON AERIALS INC.

REV. 08/26/91

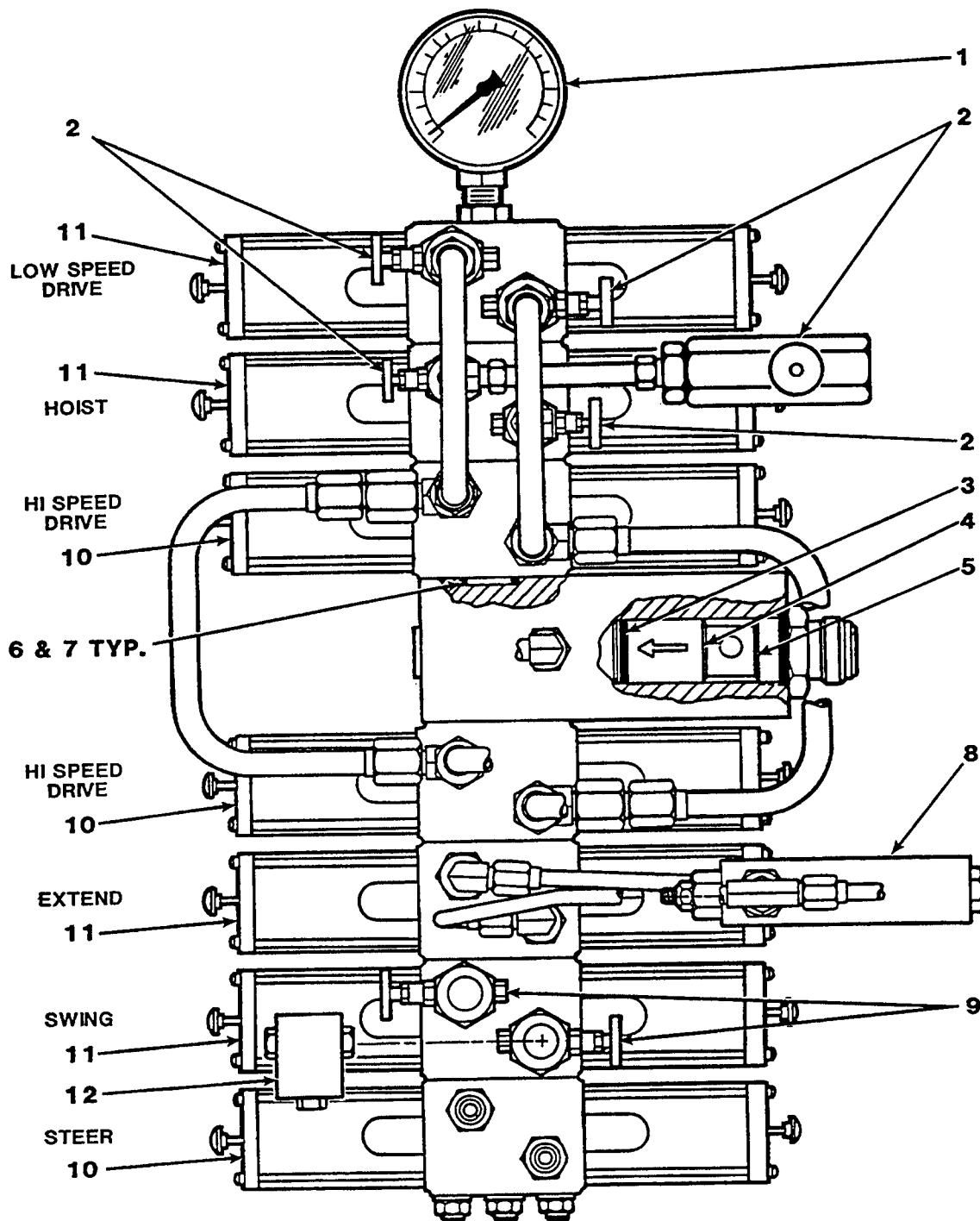
PART
NO.

PLATE
NO.

C02.26

PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-019000		NEEDLE VALVE, #8 SAE PARTS	5
3	01-034200		'O' RING	
4	01-034100		CHECK VALVE	1
5	SBD-201510-9		SPACER	1
6	01-031702		'O' RING, 3/4 INCH O.D.	7
7	01-031703		'O' RING, 1-1/16 INCHES O.D.	7
8	01-082400		PRESSURE REDUCING VALVE	1
9	01-018900		NEEDLE VALVE, #6 SAE PARTS	2
10	01-031700	D13.1	SOLENOID CONTROL VALVE, 4-WAY	3
11	01-031800	D13.2	SOLENOID CONTROL VALVE, 4-WAY	4
12	01-013800		SHUTTLE VALVE, #6 SAE PARTS	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY				



1288

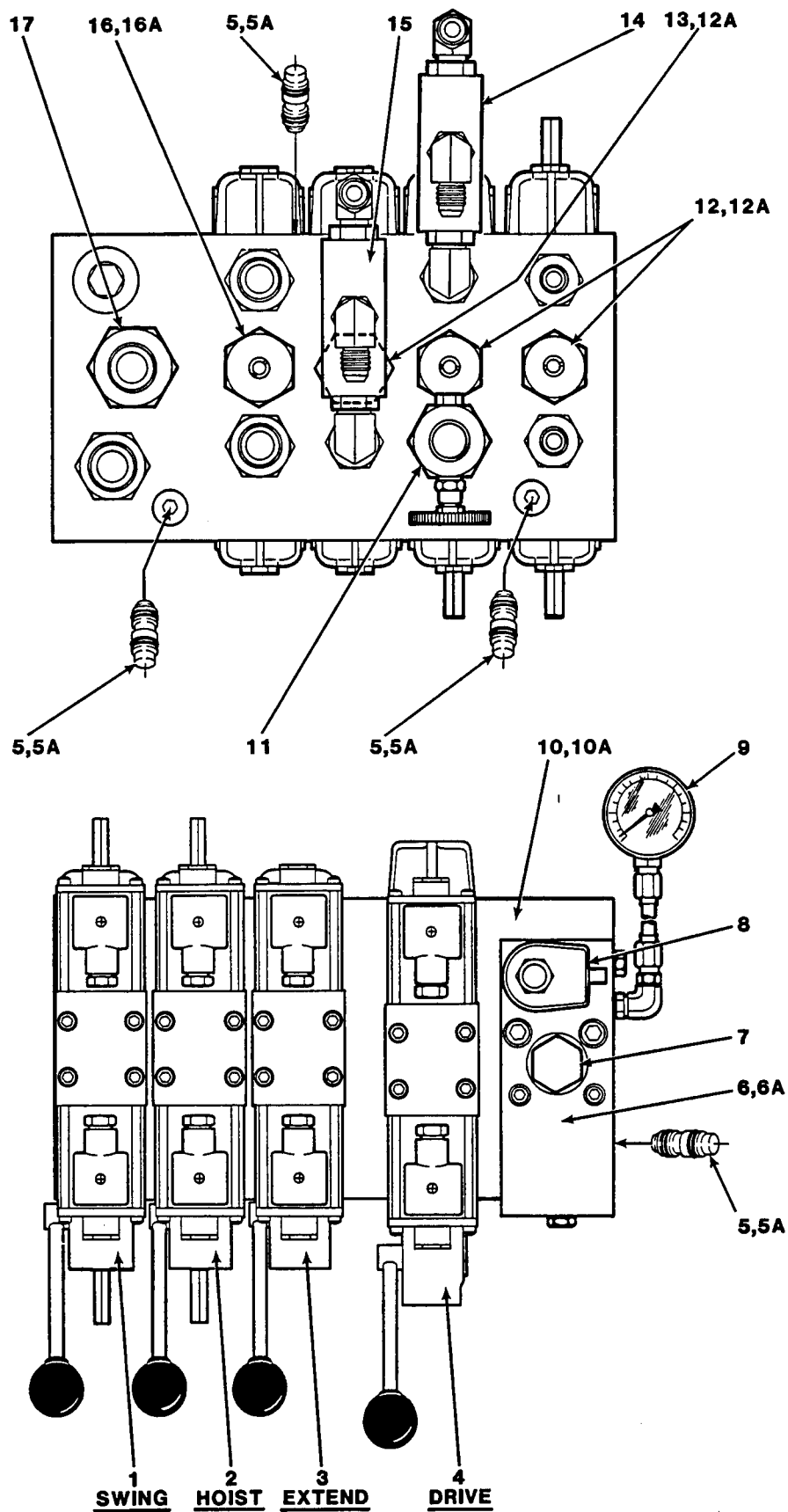
DESCRIPTION

VALVE BANK ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-040304	D13.3	SOLENOID CONTROL VALVE, 4-WAY (SWING)	1
2	01-040303	D13.3	SOLENOID CONTROL VALVE, 4-WAY (HOIST)	1
3	01-040302	D13.3	SOLENOID CONTROL VALVE, 4-WAY (EXTEND)	
4	01-040301	D13.3	SOLENOID CONTROL VALVE, 4-WAY (DRIVE)	1
5	01-040317		SHUTTLE VAVLE	4
5A			SEAL KIT, SHUTTLE VALVE	4
6	01-040314		AUXILLIARY MANIFOLD BODY	1
6A			SEAL KIT, AUXILLIARY MANIFOLD	1
7	01-040309		FLOW CONTROL VALVE, 6GPM	1
8	01-040308		CARTRIDGE SOLENOID CONTROL VALVE, 3-WAY	1
9	01-021000		PRESSURE GAUGE	1
10	01-040315		MANIFOLD BODY	1
10A			SEAL KIT, MANIFOLD	1
11	01-032700		NEEDLE VALVE	1
12	01-040313		CARTRIDGE COMPENSATOR, SERIES 10	2
12A			SEAL KIT, CARTRIDGE COMPENSATOR	3
13			CARTRIDGE COMPENSATOR, SERIES 10	1
14	01-015900		PILOT OPERATED CHECK VALVE	1
15	01-082400		PRESSURE REDUCING VALVE	1
16			CARTRIDGE COMPENSATOR, SERIES 12	1
16A			SEAL KIT, CARTRIDGE COMPENSATOR	1
17	01-015900		CHECK VALVE	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (SWING, HOIST, EXTEND, DRIVE)				



0687/0687

DESCRIPTION

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

PART NO.

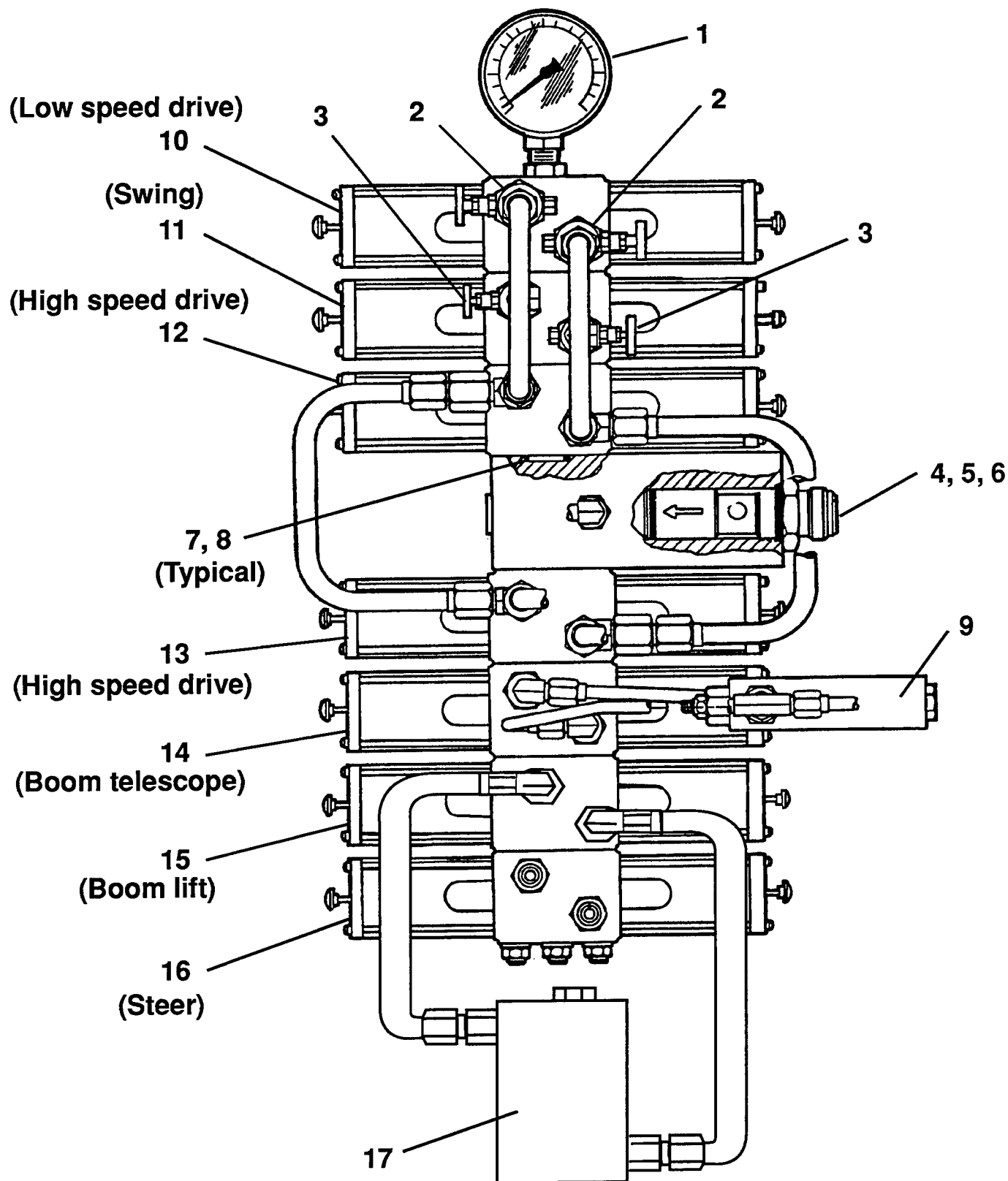
PARTS LIST

[illegible]

VALVE BANK ASSEMBLY

SIMON AERIALS INC.

PART
NO.



TITLE

VALVE BANK ASSEMBLY

SIMON AERIALS INC.

REV. 10/15/90

PART
NO.

PLATE
NO. C02.29

PARTS LIST

[illegible]

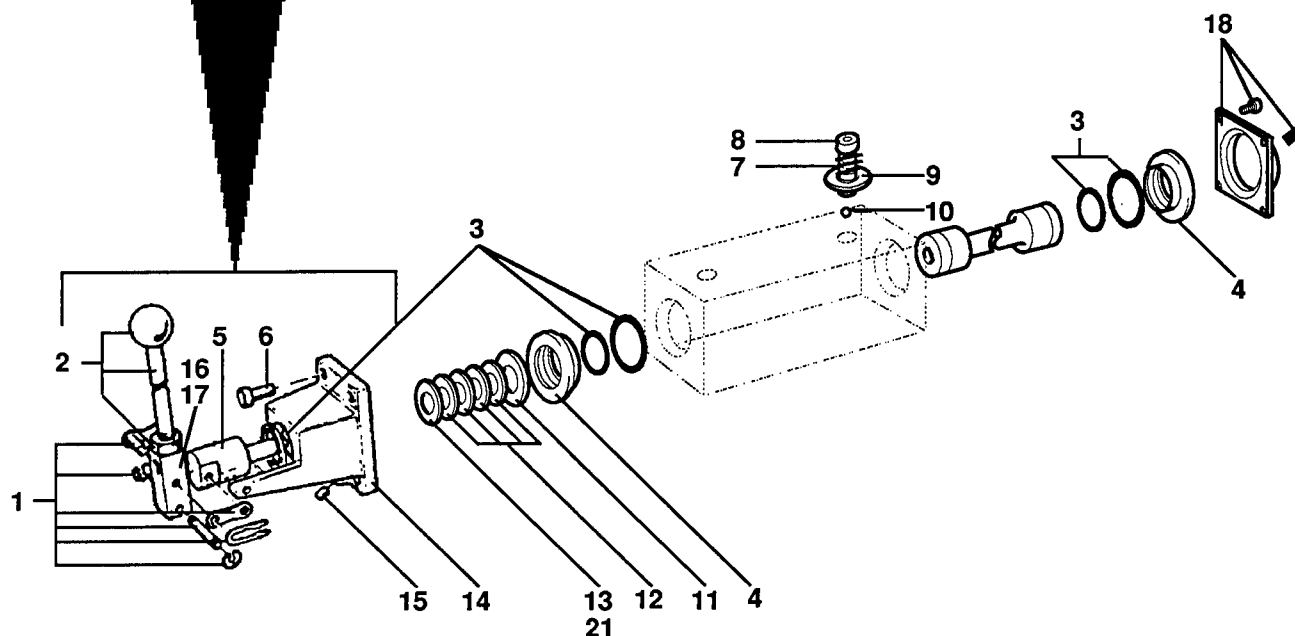
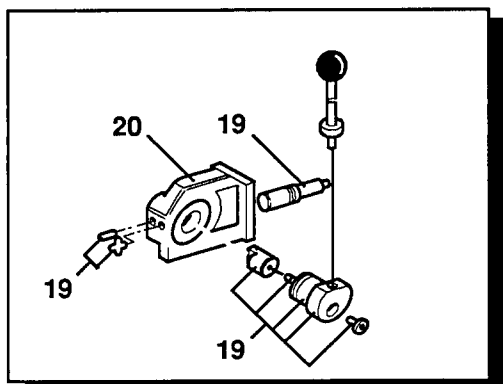
TITLE VALVE BANK ASSEMBLY (FULL HYDRAULIC)

PLATE NO.	C02.30	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 11/30/90

PART NO. 01-061700

USED ON EARLIER MODELS



TITLE

VALVE BANK ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 11/30/90

PART
NO.

01-061700

PLATE
NO.

C02.30

PARTS LIST

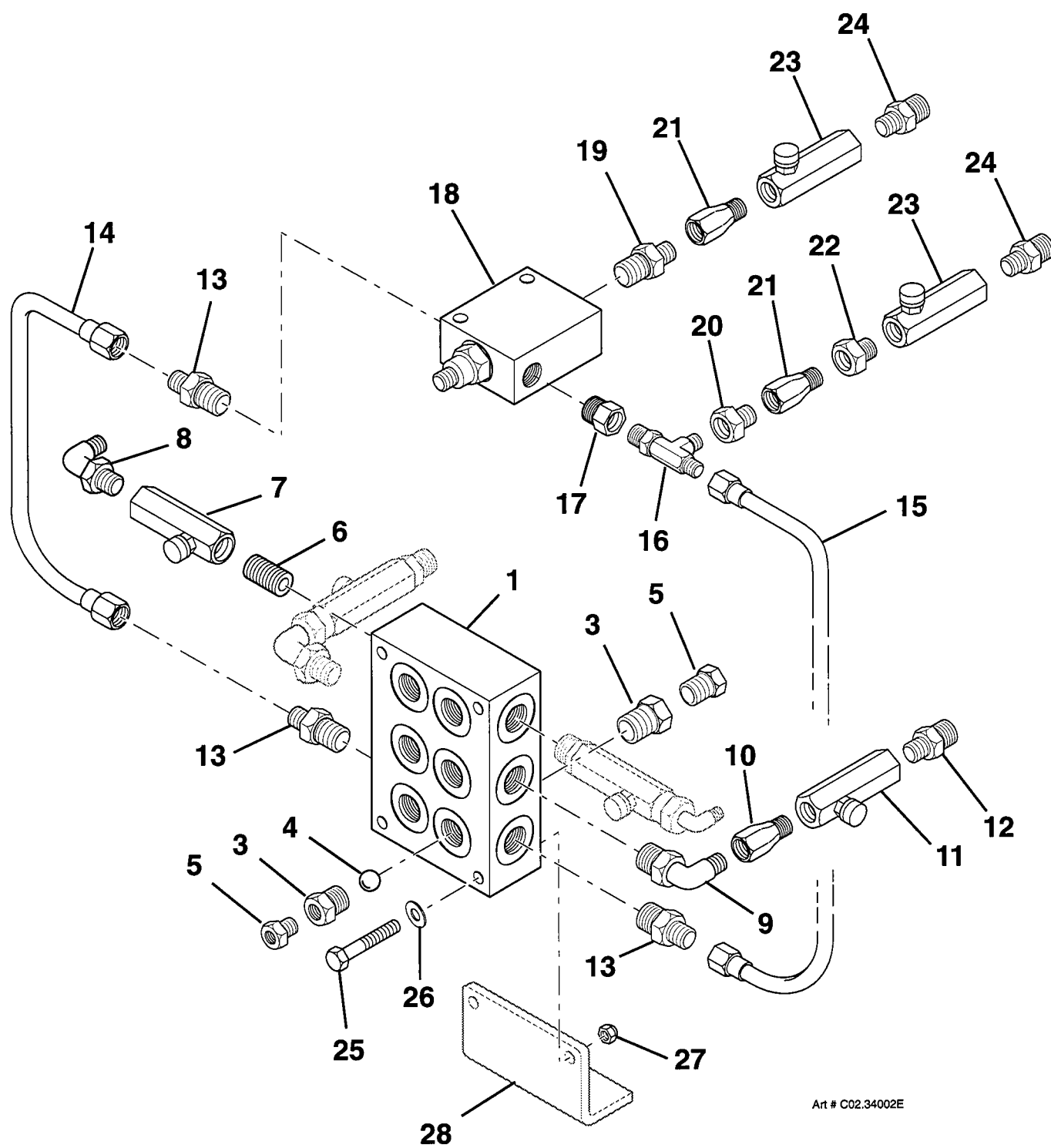
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3524470		SHUTTLE VALVE ASSEMBLY (MP 70 and smaller, with Ground control C02.35)	1
			SHUTTLE VALVE ASSEMBLY (MP 80 and larger, with Ground control C02.35)	1
1	01-071300		BLOCK, SHUTTLE VALVE	1
2	01-071200		VALVE KIT, SHUTTLE	6
3			SEAT (with "O"-Ring)	2
4			BALL	1
5	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	12
6	06-096200		UNION (8 F50 F50)	2
7	01-019000		VALVE, FLOW CONTROL (Needle valve) (#8 SAE Ports)	2
8	06-044800		ELBOW, STRAIGHT THREAD (8 C50X)	2
9	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X)	2
10	06-079000		ADAPTER, PIPE THREAD (6 F65X)	2
11	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	2
12	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X)	2
13	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X)	3
14	3515610		TUBE ASSEMBLY (left hand)	1
15	3515600		TUBE ASSEMBLY (right hand)	1
16	06-048600		RUN TEE, STRAIGHT THREAD (8 R50X)	1
17	06-090400		REDUCER/ EXPANDER (6-8 F50G5)	1
18			VALVE, PRESSURE REDUCING (100 to 3,000 PSI, 10 GPM) (MP 70 and smaller)	1
	01-012800		(100 to 3,000 PSI, 20 GPM) (MP 80 and larger)	1
19	01-082400		CONNECTOR, STRAIGHT THREAD (6-8 F50X)	1
20	06-039900		NUT, TUBE (8 BTX) (MP 70 and smaller)	1
	06-057600		NUT, TUBE (12 BTX) (MP 80 and larger)	1
21	06-057800		ADAPTER, PIPE THREAD (6 F65X)	2
22	06-079000		REDUCER, TUBE END (8-6 TRTX)	1
23			VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports) (MP 70 and smaller)	2
	01-018900		(#8 SAE Ports) (MP 80 and larger)	2
	01-019000			
24	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X)	2
25	07-003013		CAP SCREW, HEX HEAD (1/4"-20 x 3")	2
26	07-060014		WASHER, FLAT (1/4" SAE)	2
27	07-050014		NUT, STOP (1/4"-20)	2
28	2126710		BRACKET, SHUTTLE VALVE MOUNTING (ref.)	1

TITLE SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

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

NEW 08/26/91

PART NO.



Art # C02.34002E

TITLE

SHUTTLE VALVE ASSEMBLY, MP (FULL HYDRAULIC)

SIMON AERIALS INC.

NEW 08/26/91

PART
NO.

PLATE
NO.

C02.34

PARTS LIST

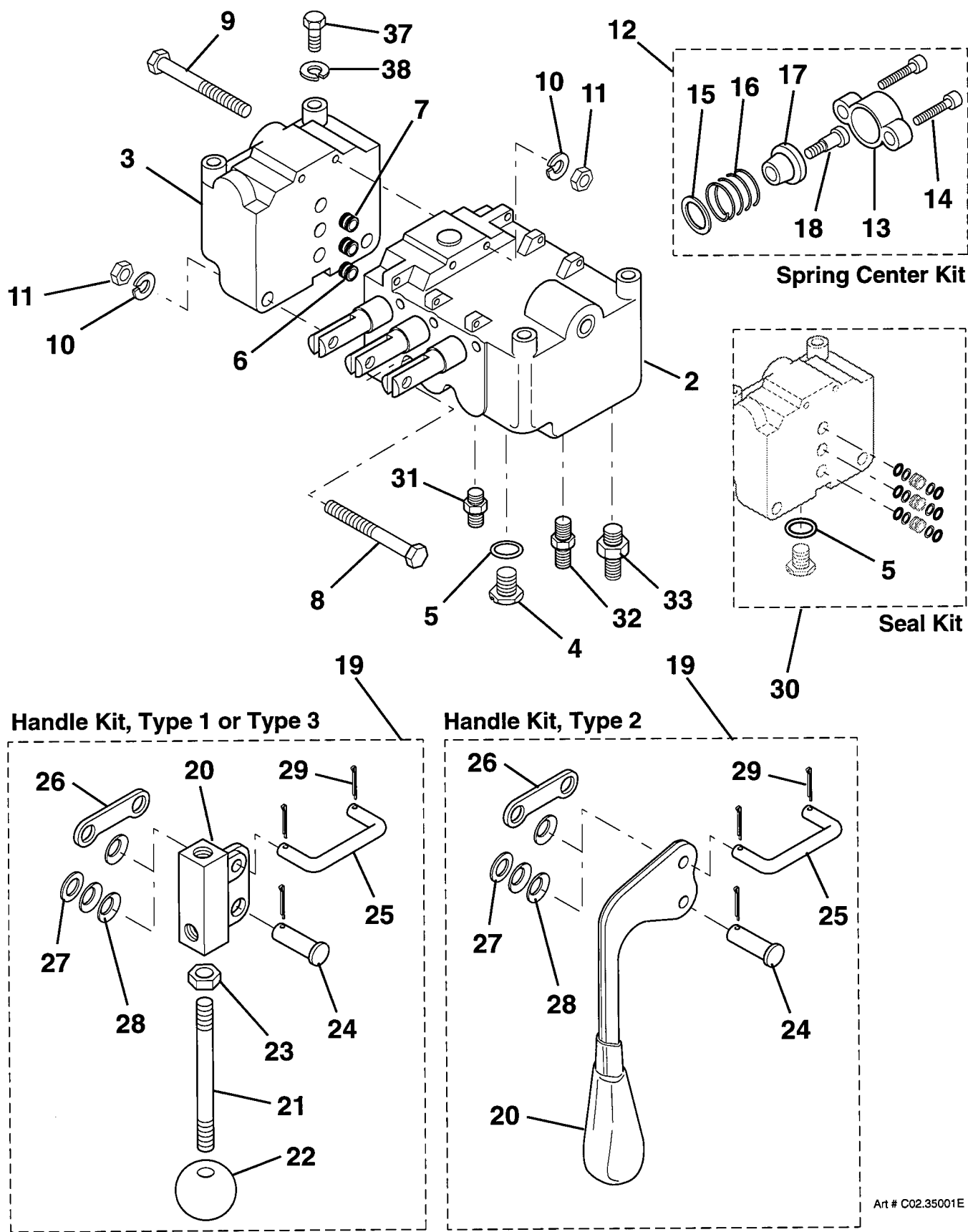
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4480 353 4260 354 4270		GROUND VALVE BANK ASSEMBLY with "Type 1" or "Type 2" Handle (Item19) with "Type 3" Handle (Item19) for special MP 70 application	
1			VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
	01-207000 01-226600 01-207006		with "Type 1" or "Type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

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

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

REV. 14 SEP, 1995

PART NO.



Art # C02.35001E

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

SIMON AERIALS INC.

REV. 14 SEP, 1995

**PART
NO.**

**PLATE
NO.** C02.35

PARTS LIST

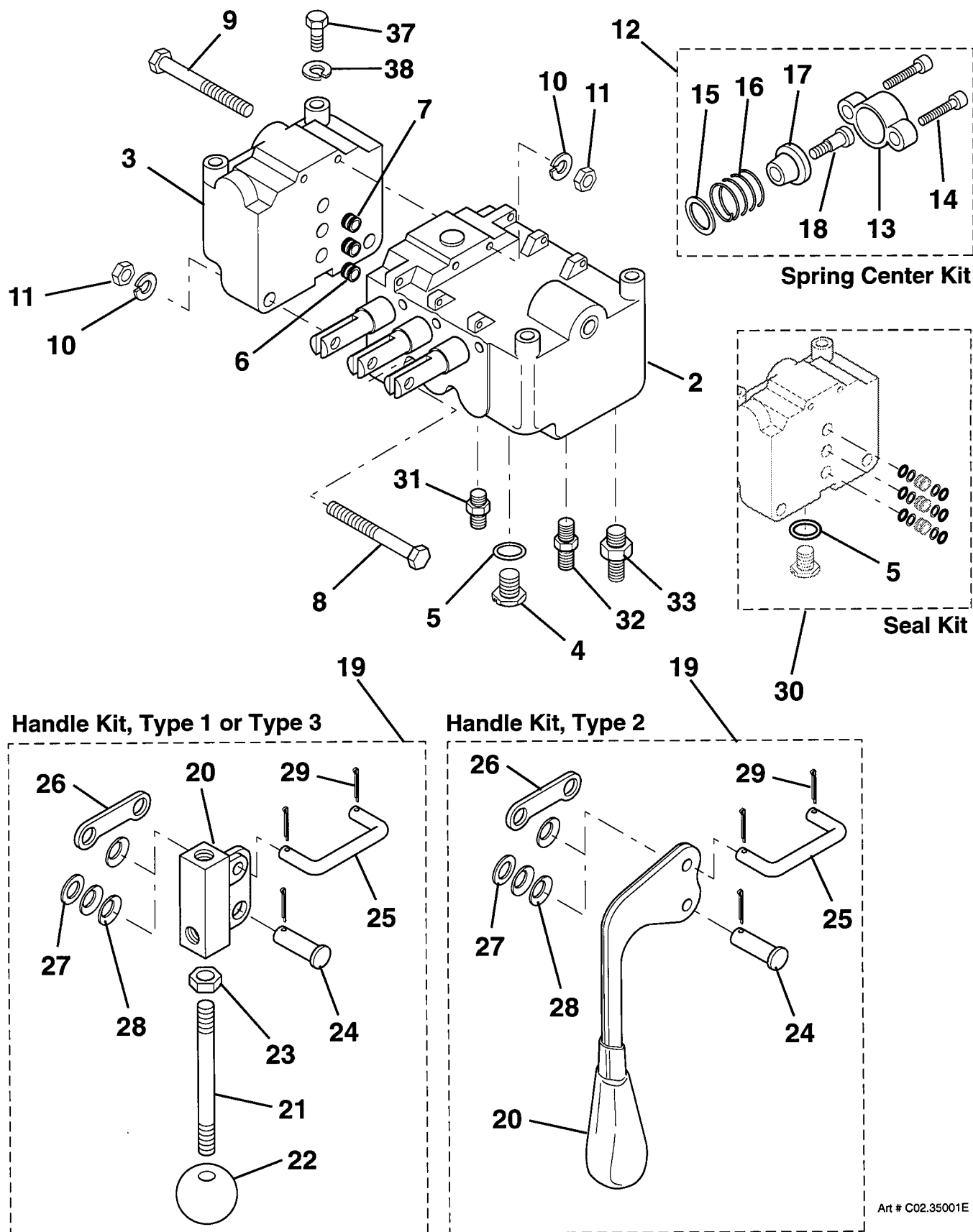
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	01-098701		HANDLE KIT Type 1 (handle is a 3" [76 mm] long threaded rod, with a separate ball knob)	3
	01-207002		Type 2 (has a one-piece handle)	
	01-098902		Type 3 (handle is a 5-3/4" [146 mm] long threaded rod, with a separate ball knob)	
20	01-098402		BLOCK,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

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

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

REV. 14 SEP, 1995

PART NO.



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

SIMON AERIALS INC.

REV. 14 SEP, 1995

**PART
NO.**

**PLATE
NO.** C02.35

PARTS LIST

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

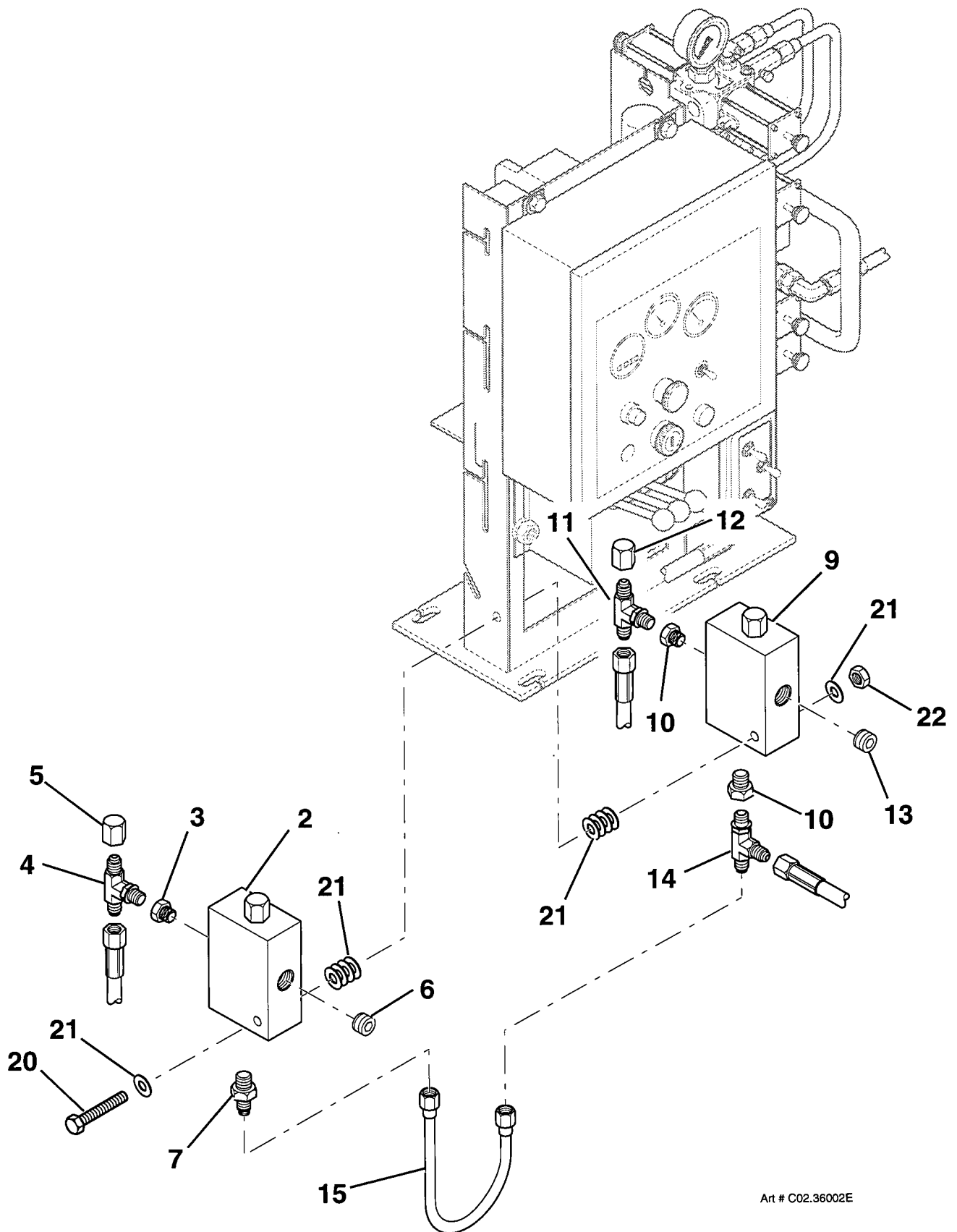
TITLE STEERING RELIEF VALVE ASSEMBLY

PLATE NO. **C02.36**

SIMON AERIALS INC.

REV. 13 SEP., 1995

PART NO.



Art # C02.36002E

TITLE

STEERING RELIEF VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 13 SEP., 1995

PART
NO.

PLATE
NO.

C02.36

PARTS LIST

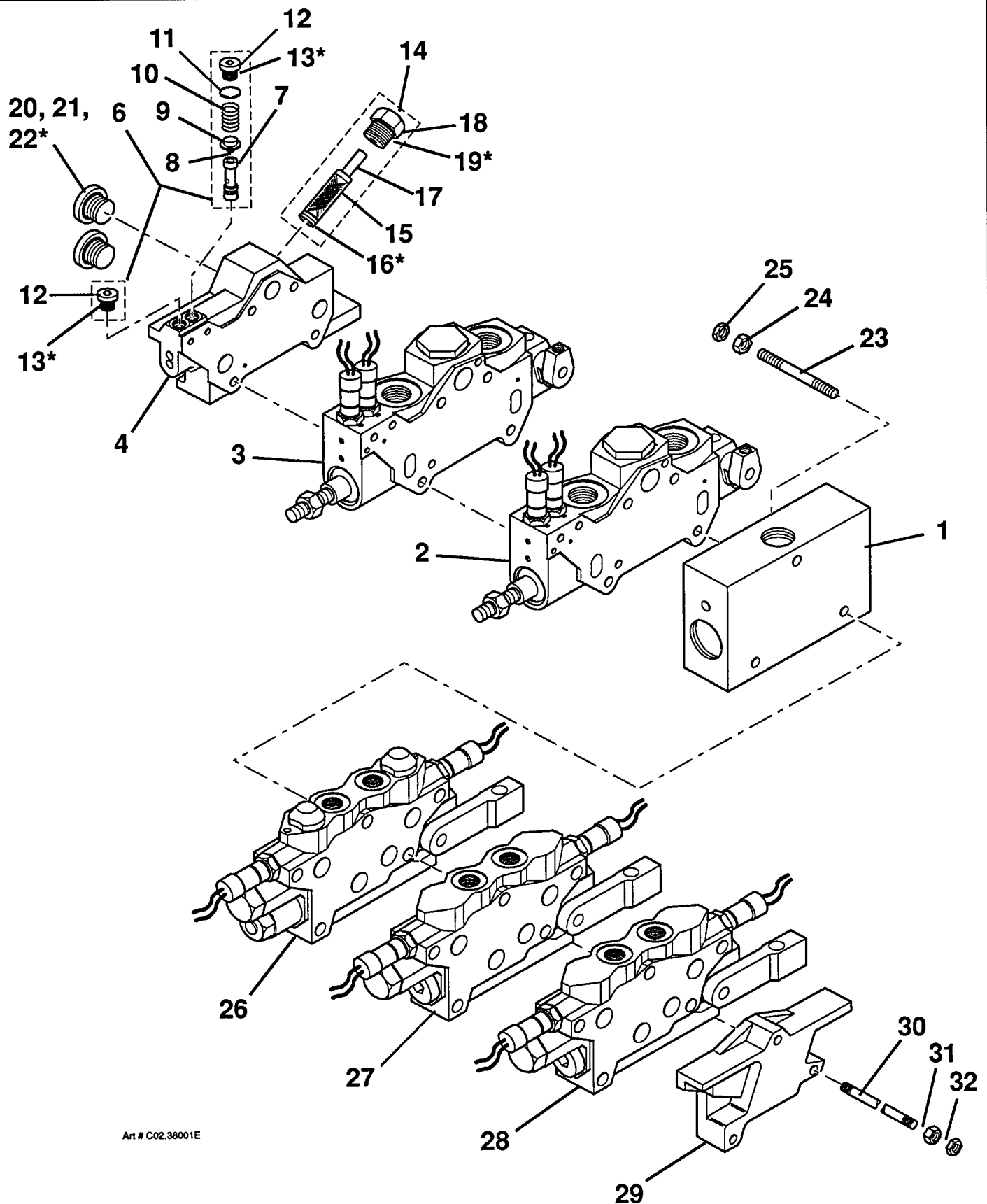
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-216400		GROUND VALVE BANK ASSEMBLY, For Model MP 95 (Special application)	1
1			MANIFOLD, ADAPTER	1
2	See plate . .	D13.11	VALVE SEGMENT, BOOM TELESCOPE CONTROL	1
3	See plate . .	D13.06	VALVE SEGMENT, DRIVE CONTROL	1
4	01-211017		INLET, LOAD SENSING	1
5	01-211020		SEAL KIT, INLET (includes all items marked with asterisk*)	1
6	01-211018		PILOT REDUCING KIT	1
7			SPOOL, PILOT REDUCING	1
8			BALL	1
9			GUIDE, SPRING	1
10			SPRING	1
11			SHIM	1
12			PLUG, SOCKET	2
13		*	"O"-RING	2
14	01-211002		INLET FILTER KIT	1
15			FILTER	1
16		*	"O"-RING	1
17			TUBE, FILTER EXTENSION	1
18			PLUG, SOCKET	1
19		*	"O"-RING	1
20	01-211019		PLUG, SAE PORT	2
21			PLUG	1
22		*	"O"-RING	1
23			ROD, TIE	4
24			NUT, HEX	4
25			NUT, HEX JAM	4
26	See plate . .	D13.08	VALVE SEGMENT, STEER CONTROL	1
27	See plate . .	D13.09	VALVE SEGMENT, BOOM RAISE/ LOWER CONTROL	1
28	See plate . .	D13.10	VALVE SEGMENT, SWING CONTROL	1
29	01-211028		PLATE, STACKING	1
30			ROD, TIE	3
31			NUT, HEX	3
32			NUT, HEX JAM	3

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

PLATE NO. C02.38 **SIMON AERIALS INC.**

REV. 05 JUN., 1992

PART NO.



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

SIMON AERIALS INC.

REV. 05 JUN., 1992

PART
NO.

PLATE
NO. C02.38

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4700 354 4300		MANUAL DESCENT VALVE ASSEMBLY With option, MPH 80, MP 95, MP 110 For special application, MP 70	1
1	01-086700		VALVE, NEEDLE (1/2" NPT)	1
2	07-047122		NUT, HEX JAM (3/4"-16, Grade 5)	1
3	06-004400		90° ELBOW, MALE 37° TO NPT (8-8 CTX-S)	1
4	06-074900		STREET TEE (1/2 MRO-S)	1
5	06-001300		CONNECTOR, MALE 37° TO NPT (8-8 FTX-S)	1
6	06-071000		REDUCER, PIPE THREAD (1/2-1/4 PTR)	1
7	06-076900		REDUCER/ EXPANDER (LONG), PIPE THREAD (1/4 FF-S)	1
8	01-034800		VALVE, NEEDLE (1/4" NPT)	2
9	07-047121		NUT, HEX JAM (5/8"-18, Grade 5)	2
10	06-196500		TEE, MALE PIPE (4 RRS-S)	1
11	06-196600		CONNECTOR, FEMALE 37° TO NPT (6 GTX-S)	1
12	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	1
13	231 3070		BRACKET, VALVE MOUNTING	1
14	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	2
15	07-062014		WASHER, FLAT (1/4")	4
16	07-050014		NUT, STOP (1/4"-20)	2
17	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	1
18	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
19	06-057600		NUT, TUBE (8 BTX-S)	1
20	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
			The following item is not shown, but is required with manual descent valves. It mounts to the Boom Lift Cylinder:	
21	235 1640		FITTING, ORIFICED (4 C5OX-S with .0465" orifice)	

TITLE

MANUAL DESCENT VALVE ASSEMBLY

PLATE NO.

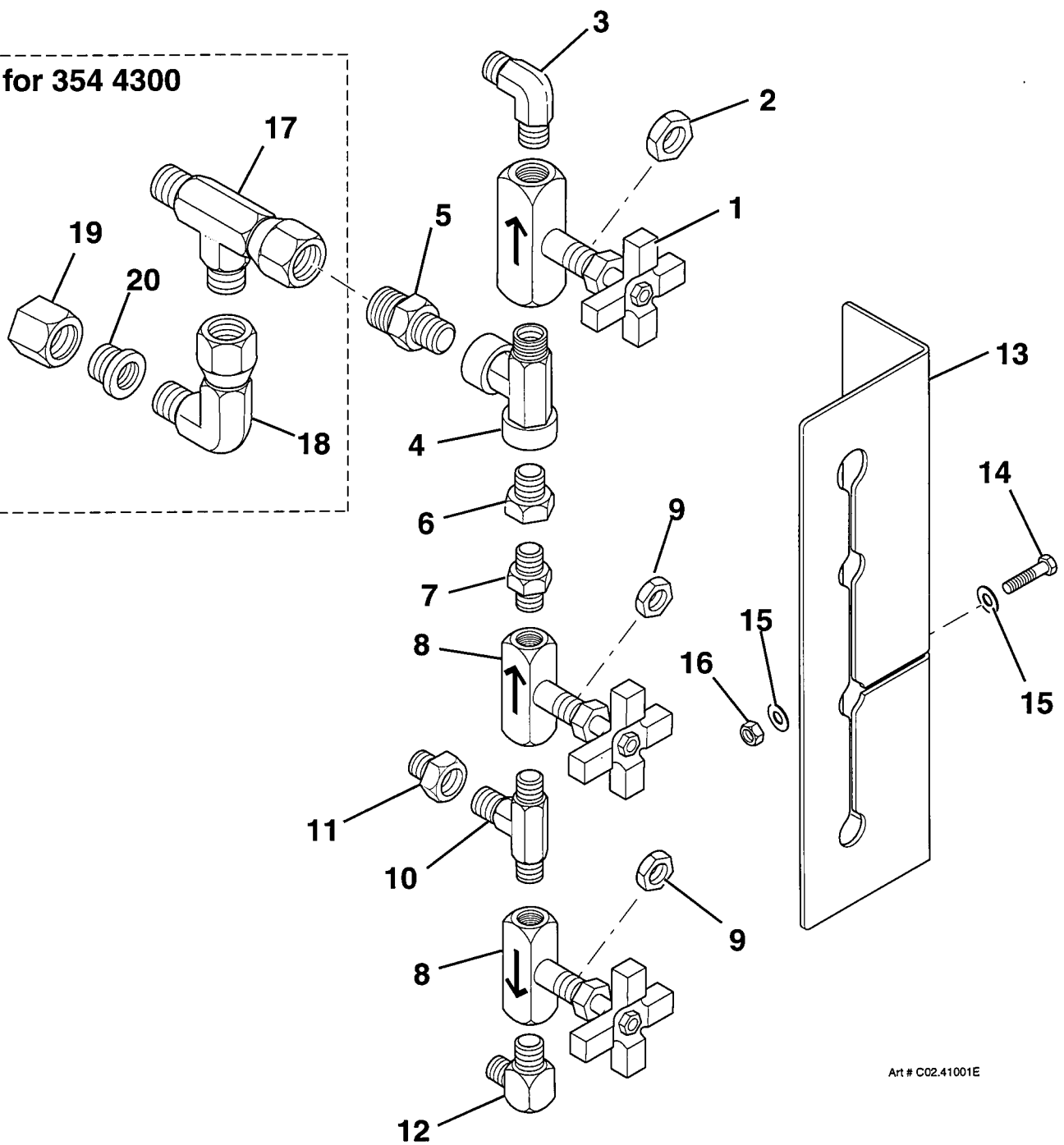
C02.41

SIMON AERIALS INC.

NEW 05 SEP., 1995

PART NO.

for 354 4300



Art # C02.41001E

TITLE

MANUAL DESCENT VALVE ASSEMBLY

SIMON AERIALS INC.

NEW 05 SEP., 1995

PART
NO.

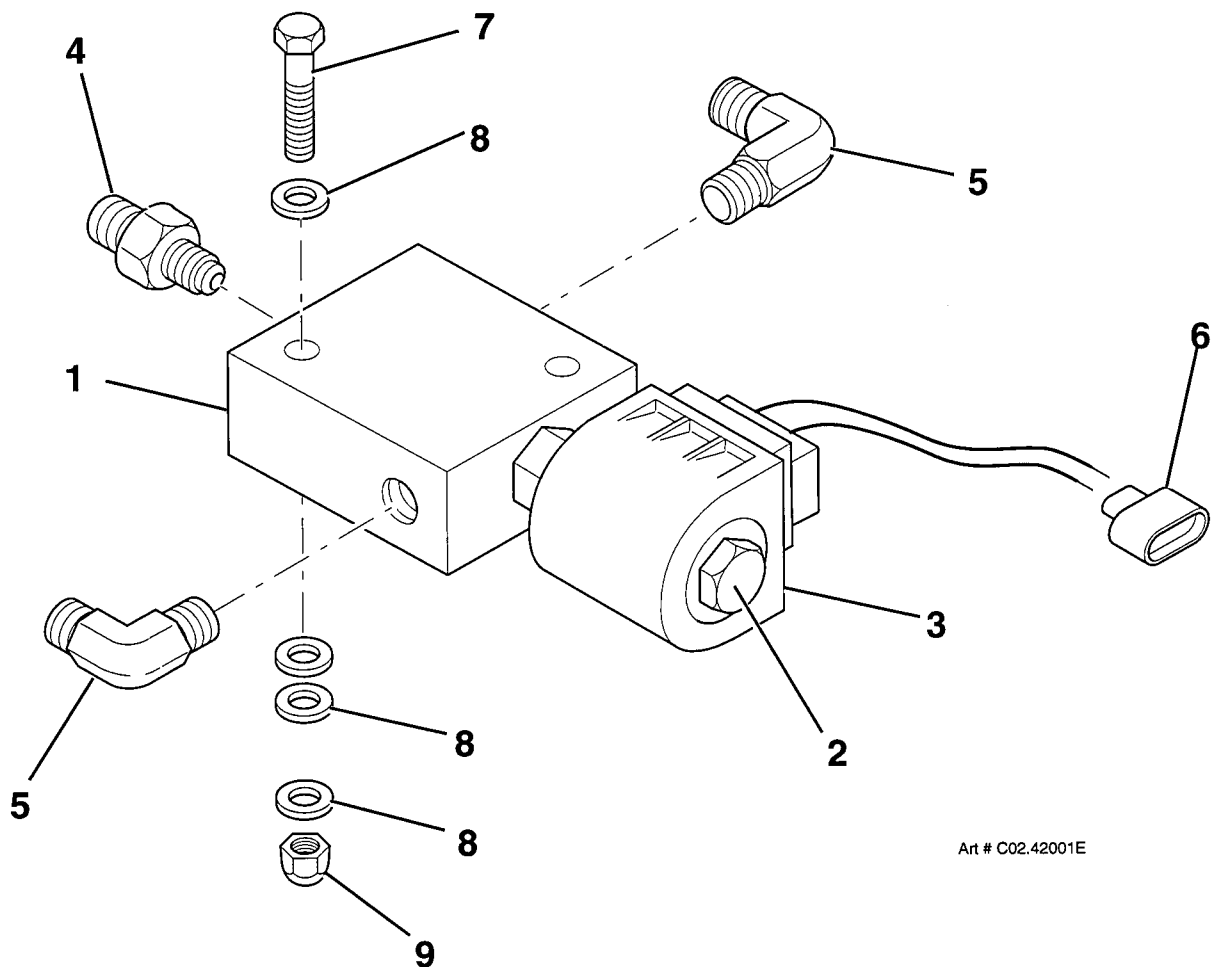
PLATE
NO. C02.41

PARTS LIST

[illegible]

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

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



Art # C02.42001E

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

SIMON AERIALS INC.

NEW 06 SEP., 1995

PART NO. 354 4170

PLATE NO. C02.42

PARTS LIST

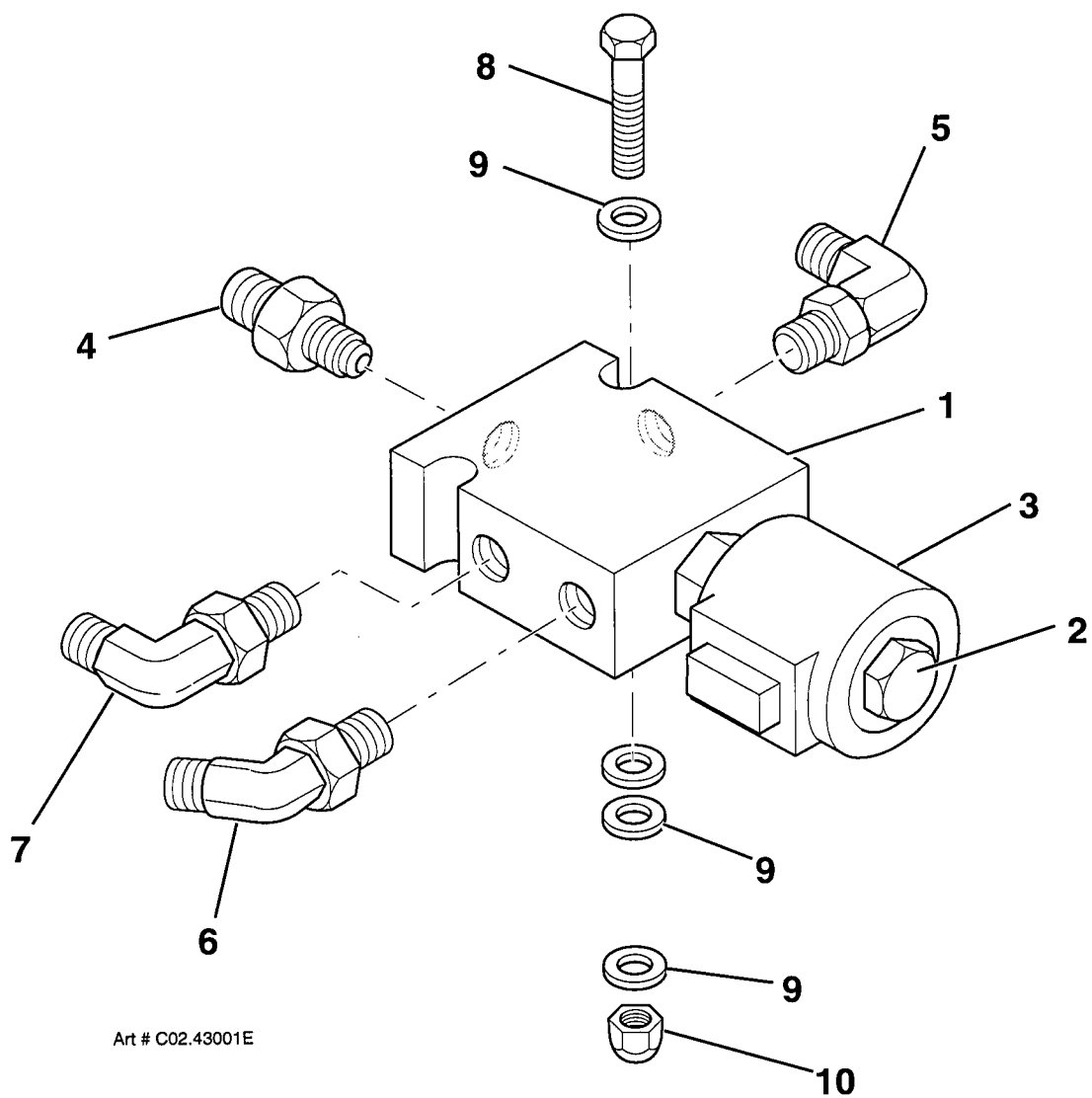
[illegible]

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

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

NEW 06 SEP., 1995

PART
NO.



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

SIMON AERIALS INC.

NEW 06 SEP., 1995

PART
NO.

PLATE
NO. C02.43

PARTS LIST

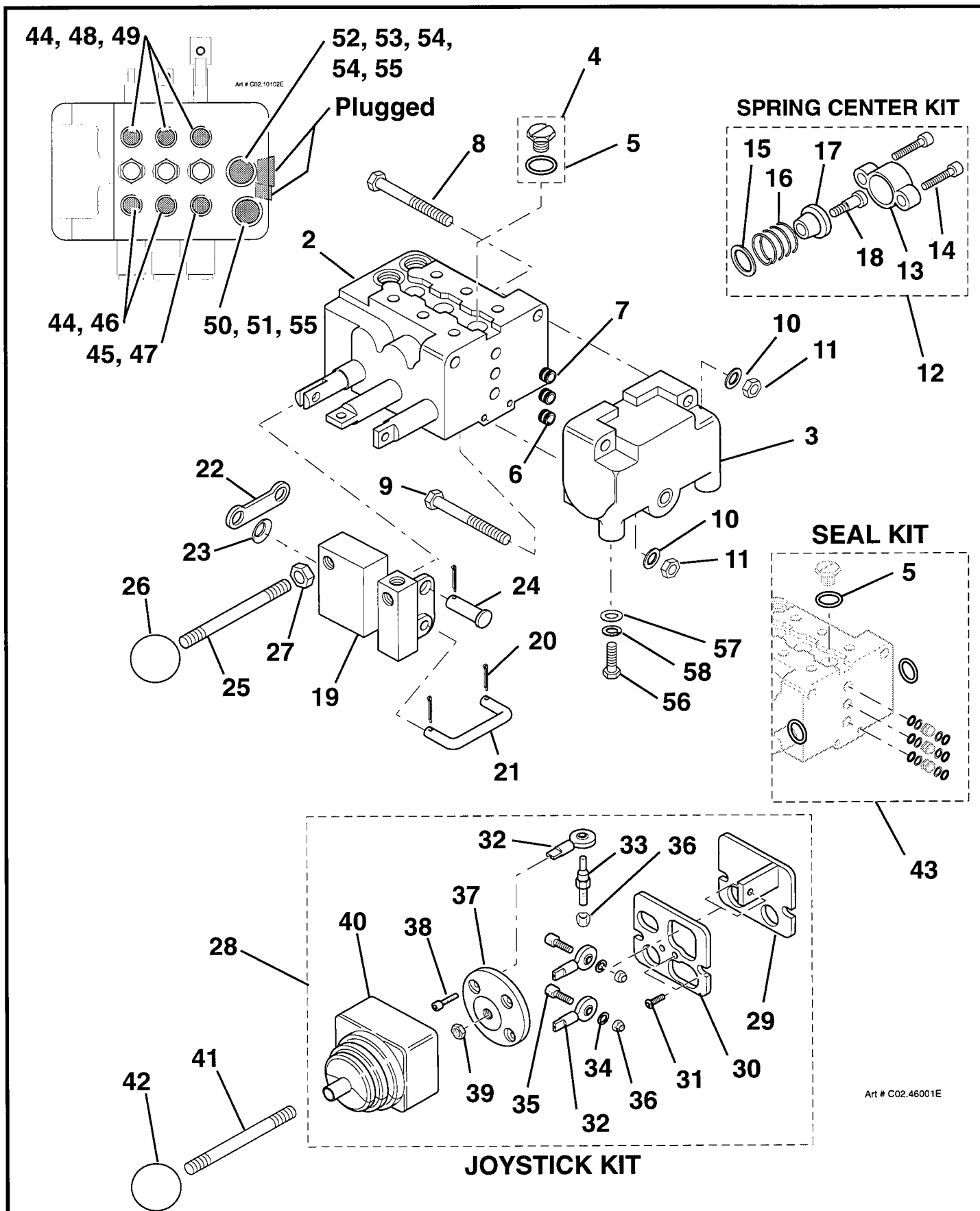
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 4110		VALVE BANK ASSEMBLY, PLATFORM CONTROL for MP Series	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 43)	1
6	01-098415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

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

PLATE NO. C02.46 **SIMON AERIALS INC.**

REV. 14 JAN., 1996

PART NO.



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

SIMON AERIALS INC.

REV. 14 JAN., 1996

PART
NO.

PLATE
NO. C02.46

PARTS LIST

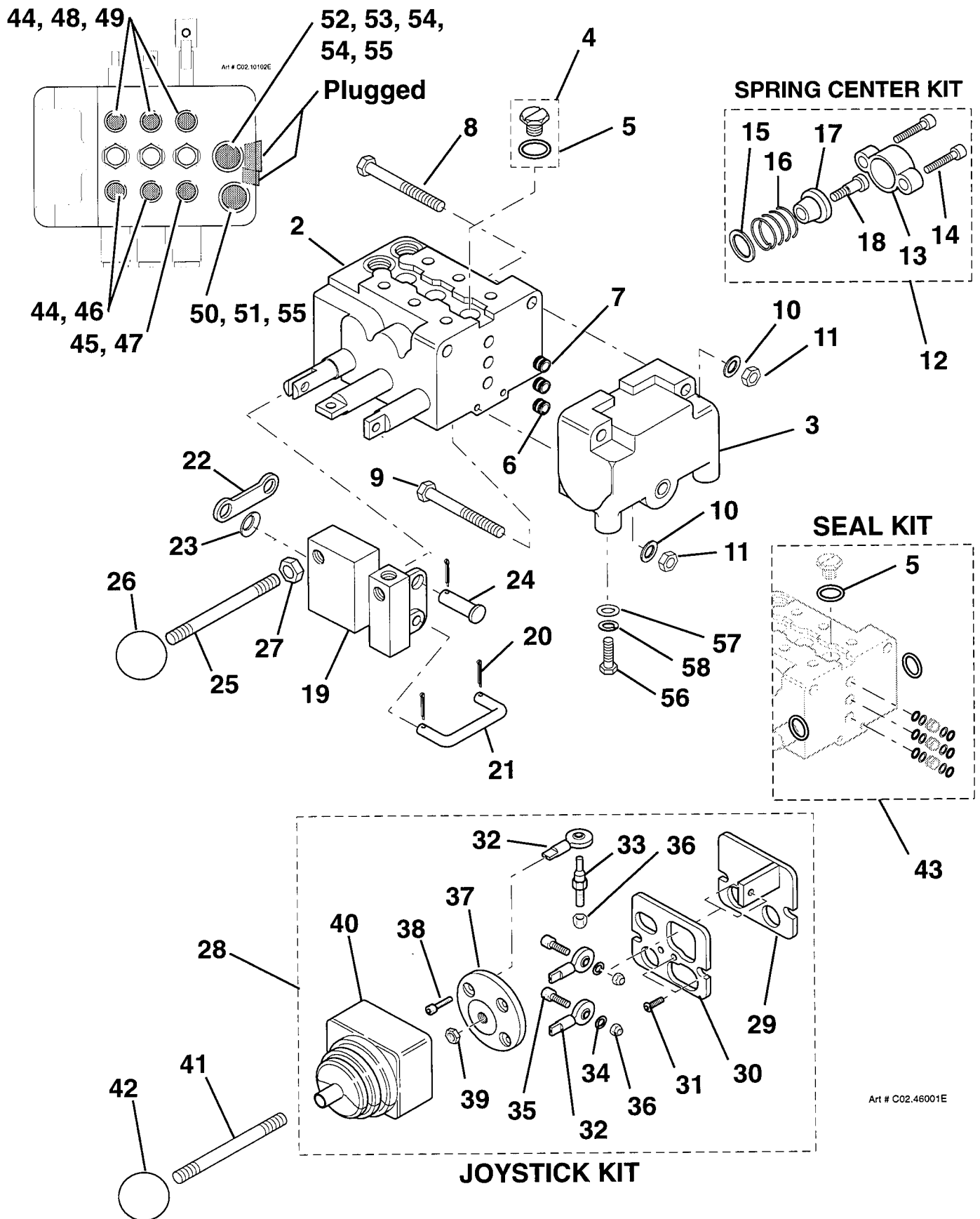
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	01-216002		VALVE BANK, PLATFORM CONTROL (continued)	
29			JOYSTICK KIT	1
30			BRACKET ASSEMBLY	1
31			PLATE, BOOT RETAINING	1
32			SCREW, BUTTON HEAD (1/2" long)	2
33			ROD END	3
34			STUD, ACTUATOR	1
35			SPACER	2
36			CAP SCREW, SOCKET HEAD (1" long)	2
37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

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

PLATE NO. C02.46 **SIMON AERIALS INC.**

REV. 14 JAN., 1996

PART NO.



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

SIMON AERIALS INC.

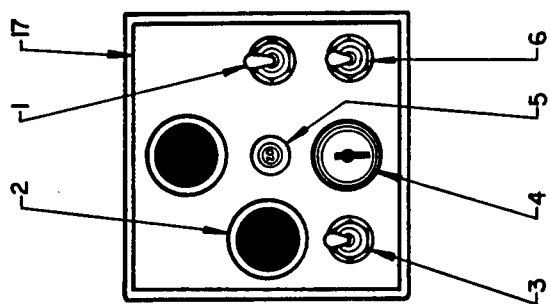
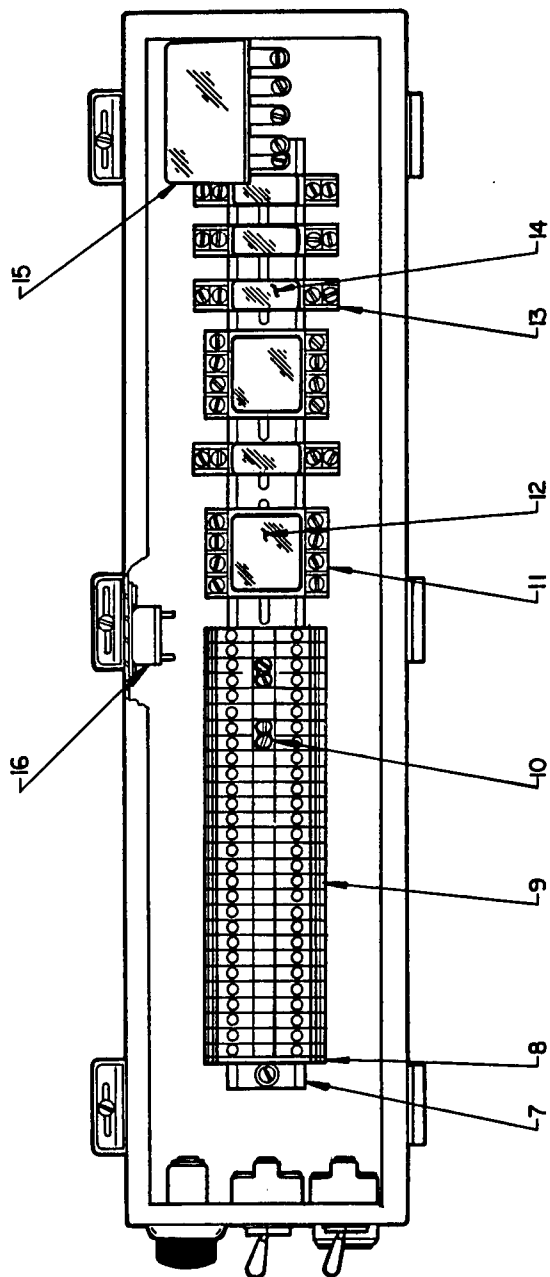
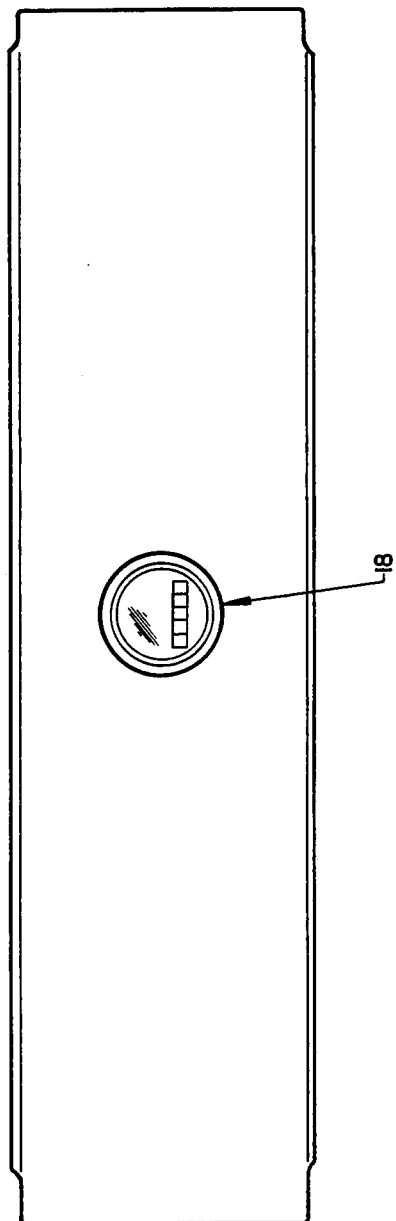
REV. 14 JAN., 1996

**PART
NO.**

**PLATE
NO.** C02.46

PARTS LIST

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



0385/1184

DESCRIPTION

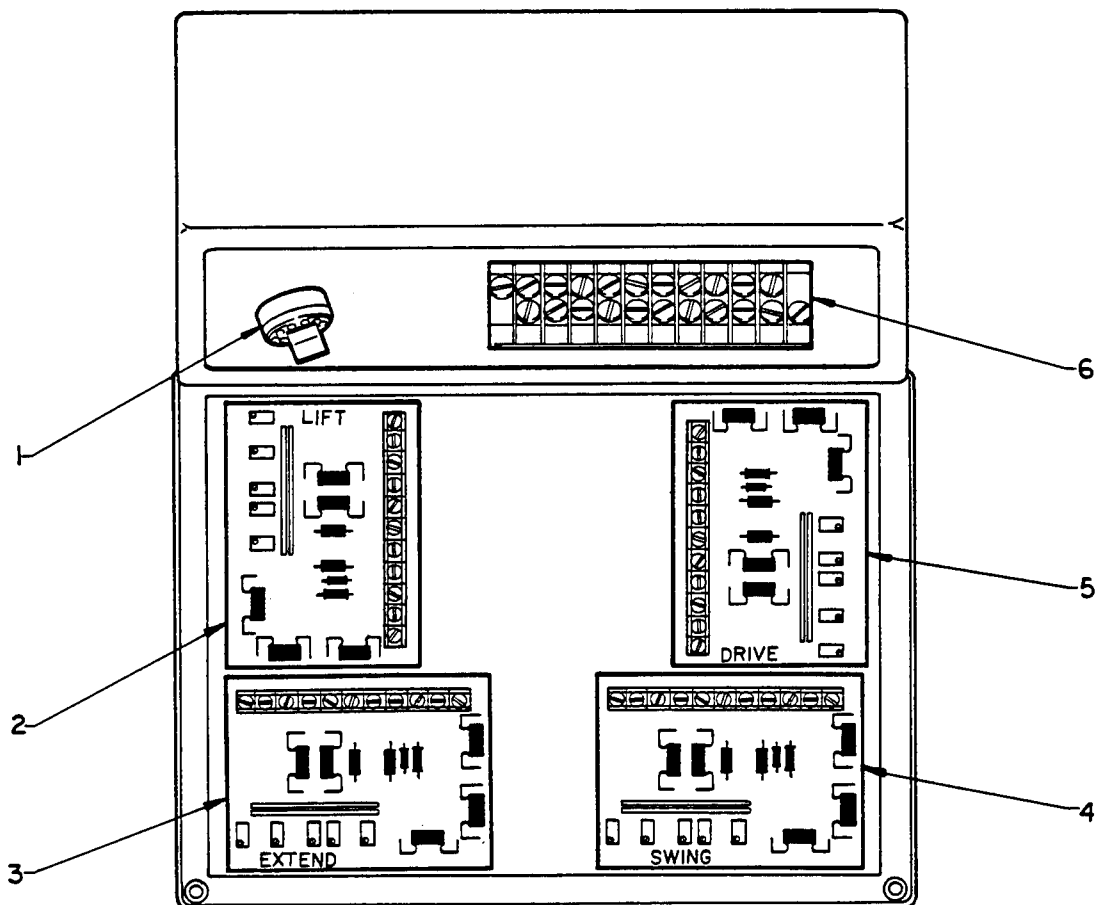
GROUND CONTROL BOX (DIESEL ENGINE)

PART NO.

CAA-207265-0

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-403100		POTENTIOMETER	1
2	03-027201		CONTROL CARD, LIFT	1
3	03-027201		CONTROL CARD, EXTEND	1
4	03-027201		CONTROL CARD, SWING	1
5	03-027201		CONTROL CARD, VEHICLE DRIVE	1
6	03-068000		TERMINAL STRIP	1
DESCRIPTION			PART NO.	
GROUND CONTROL BOX (PROPORTIONAL CONTROLS)			CAA-208493-4	



0885/0785

DESCRIPTION

GROUND CONTROL BOX (PROPORTIONAL CONTROLS)

PART NO.

CAA-208493-4

PARTS LIST

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

TITLE

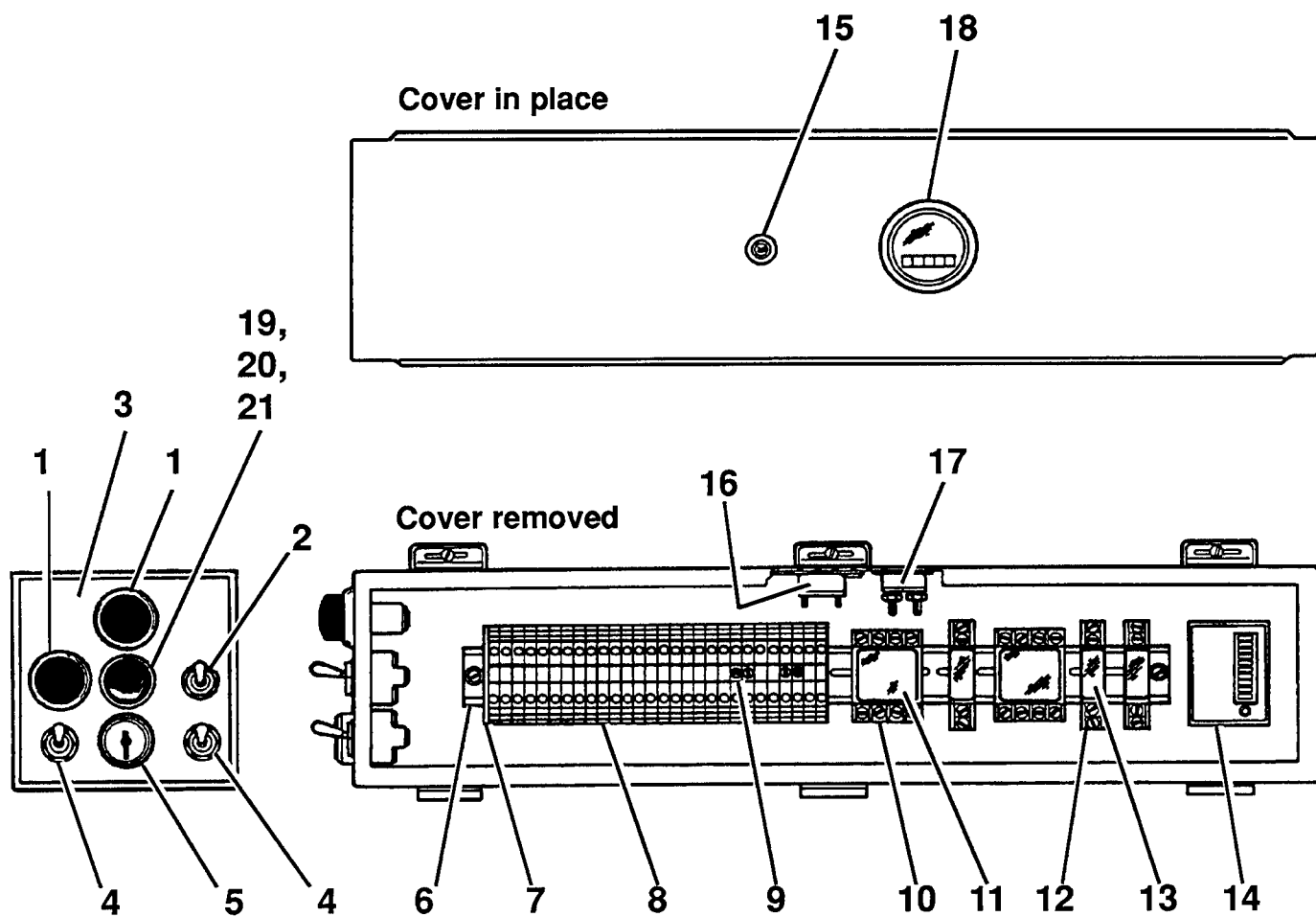
GROUND CONTROL BOX ASSEMBLY

PLATE NO. C03.18

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.



TITLE

GROUND CONTROL BOX ASSEMBLY

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

PLATE
NO. C03.18

PARTS LIST

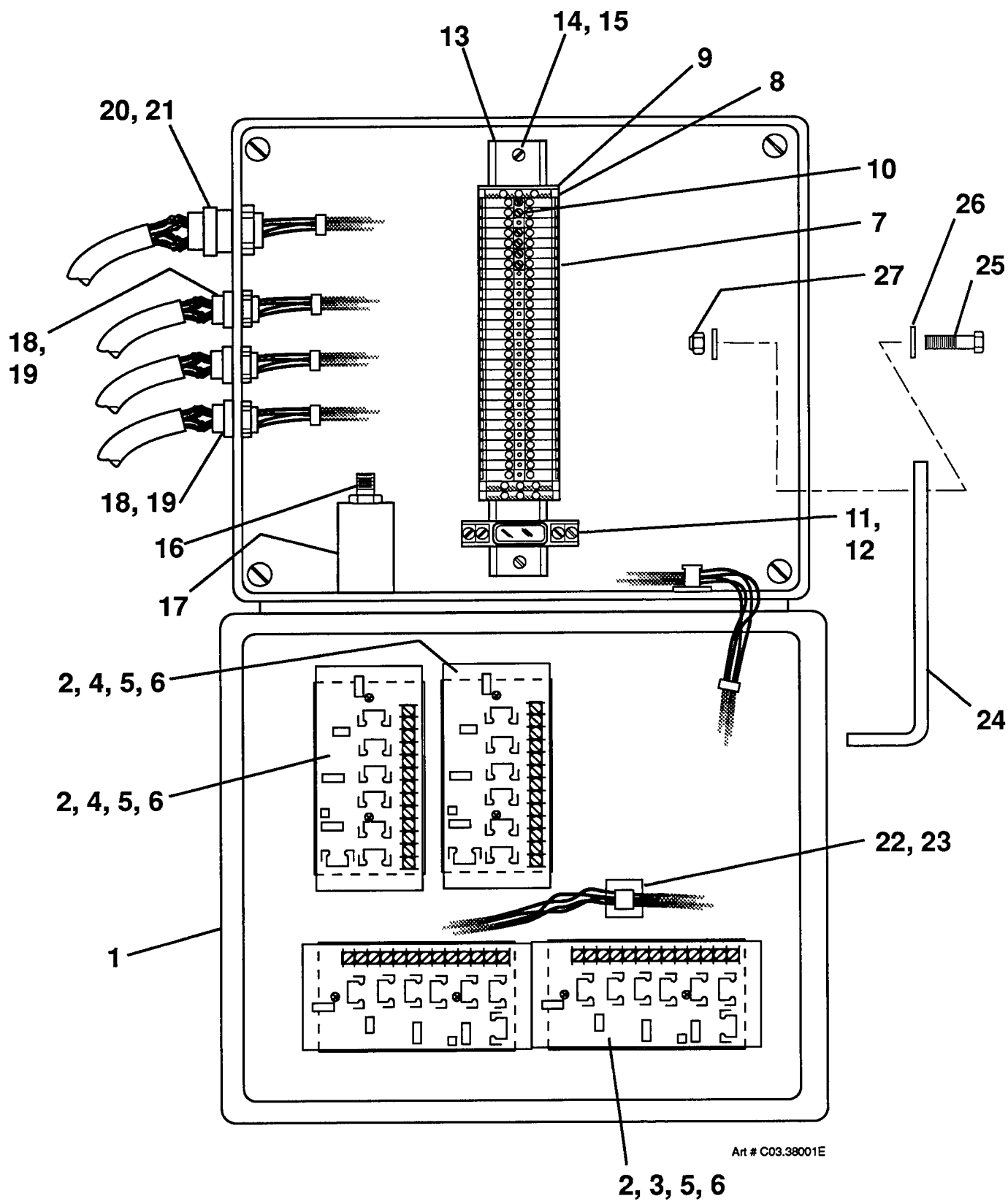
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2150050		CABINET, DRIVE CARD	1
2	03-027201		BOARD, DRIVE	4
3	2143240		CHANNEL, MOUNTING [10" (254 mm) long]	1
4	2150130		CHANNEL, MOUNTING [4" (102 mm) long]	2
5	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	6
6	07-050111		NUT, STOP (#10-32)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

TITLE DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)

PLATE NO. C03.38 SIMON AERIALS INC.

NEW 10 DEC., 1993

PART NO.



TITLE DRIVE CARD BOX, MP (ELECTRO-PROPORTIONAL)

SIMON AERIALS INC.

NEW 10 DEC., 1993

PART
NO.

PLATE
NO. C03.38

PARTS LIST

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

TITLE

DIESEL ENGINE ASSEMBLY, DEUTZ F4L912

PLATE
NO.

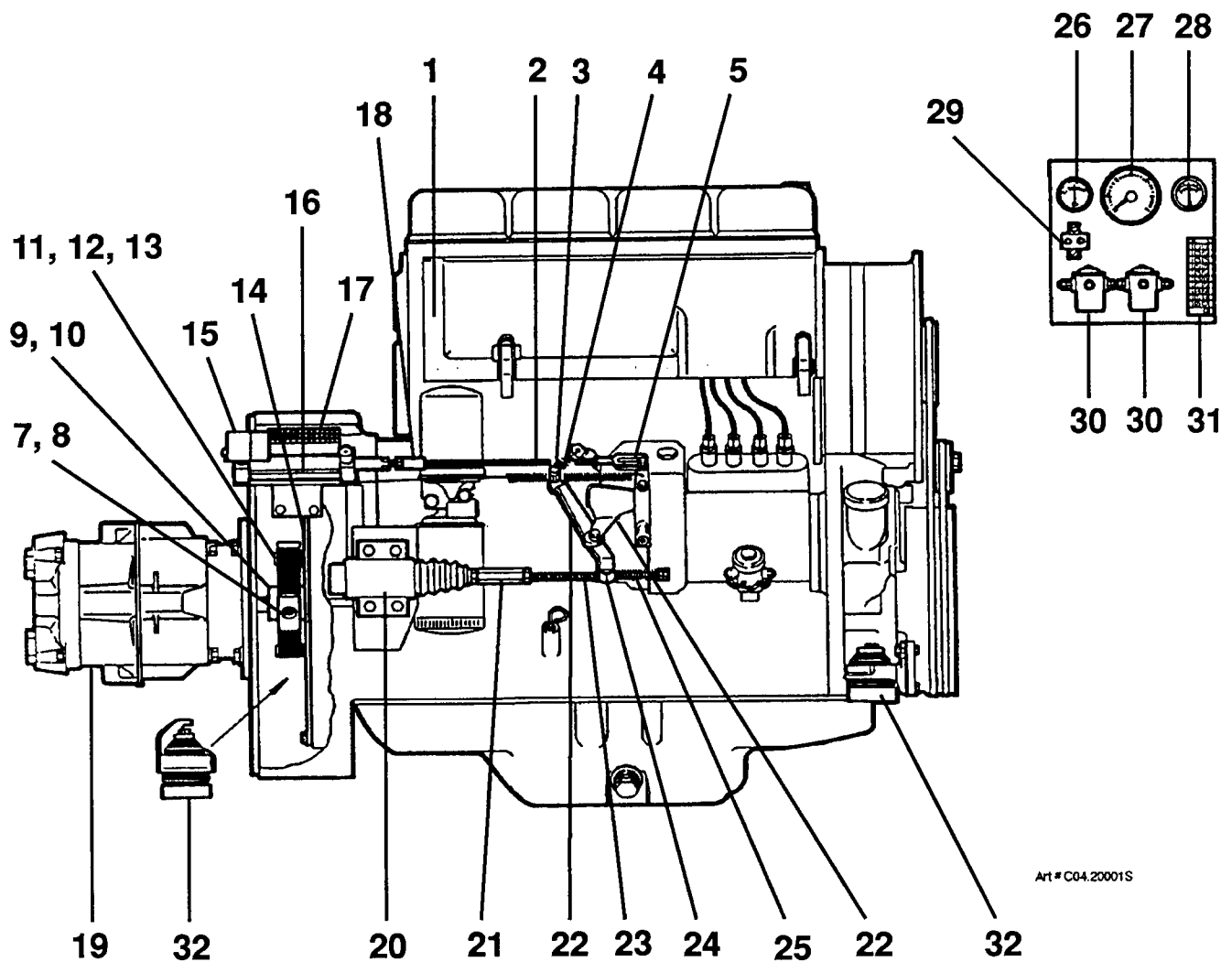
C04.20

SIMON AERIALS INC.

REV. 24 SEP., 1993

PART
NO.

2098090



Art # C04.20001S

TITLE

DIESEL ENGINE ASSEMBLY, DEUTZ F4L912

SIMON AERIALS INC.

REV. 24 SEP., 1993

PART
NO.

2098090

PLATE
NO.

C04.20

PARTS LIST

[illegible]**TITLE**

ENGINE ASSEMBLY, CUMMINS DIESEL

**PLATE
NO.**

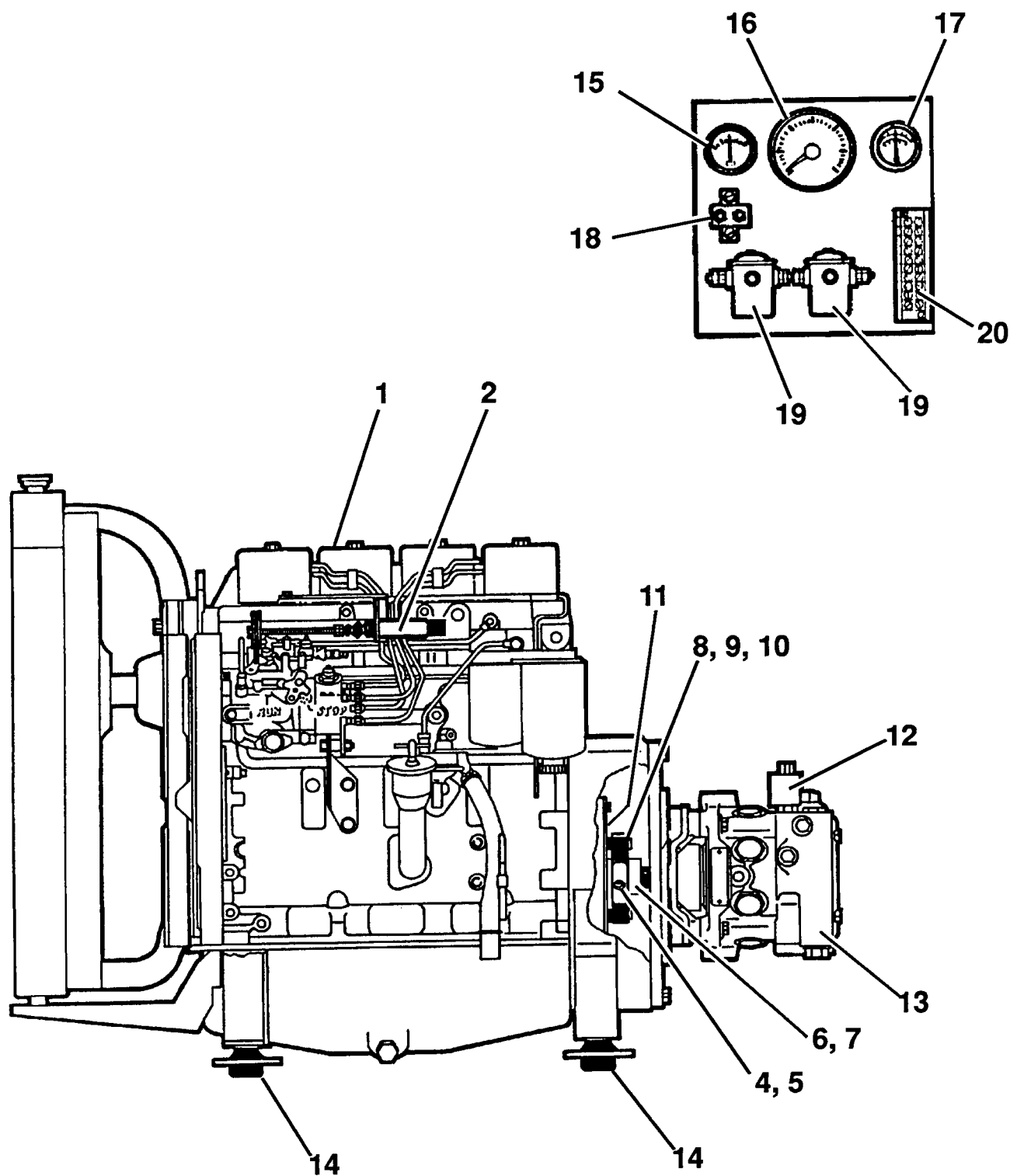
C04.22

SIMON AERIALS INC.

REV. 10/01/90

**PART
NO.**

2098133



TITLE

ENGINE ASSEMBLY, CUMMINS DIESEL

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

2098133

PLATE
NO.

C04.22

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3531160		ENGINE ASSEMBLY, DIESEL (Isuzu 4BD1 PW)	1
2	09-053800		ENGINE, DIESEL (Isuzu 4BD1 PW)	
			(83 HP [61.9 Kw] @ 2,800 RPM, liquid cooled 4 cyl.)	1
3	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
4			ELEMENT, OIL FILTER (Isuzu part)	1
5			REGULATOR, VOLTAGE (Isuzu part)	1
6	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	2
7	07-065014		WASHER, HELICAL LOCK (1/4")	2
8	07-060014		WASHER, FLAT (1/4", SAE)	2
9	10-061200		CLAMP, LOOP (#12)	1
10	02-037000		COUPLING (Star hub CK-100, 48-13-14 Tooth)	1
11	02-036900		COUPLING (Element CK-100, SAE #10)	1
12	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	8
13	07-065016		WASHER, HELICAL LOCK (3/8")	8
14	02-019100		PLATE, PUMP MOUNTING (SAE 4C)	1
15	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	12
16	07-065016		WASHER, HELICAL LOCK (3/8")	12
17	See Index	D08. - -	PUMP ASSEMBLY, HYDRAULIC	1
18	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4
19	07-065021		WASHER, HELICAL LOCK (5/8")	4
20	07-060021		WASHER, FLAT (5/8")	4
21	01-013700		VALVE, SOLENOID (2-way)	1
22	06-195700		FITTING, FLANGED (1-1/2" suction to 2" SAE 90°)	1
23	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
24	07-065018		WASHER, HELICAL LOCK (1/2")	4
25	06-202100		FITTING, FLANGED (LI-16-16S-30)	1
26	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
27	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
28	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
29	2199490		BRACKET, ENGINE REAR MOUNTING (Right)	1
	2199500		BRACKET, ENGINE REAR MOUNTING (Left)	1
30	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	8
31	07-065018		WASHER, HELICAL LOCK (1/2")	8
32	2300410		BRACKET, ENGINE CONTROLS	1
33	03-468700		STRIP, TERMINAL (14 station)	1
34	07-011344		MACHINE SCREW, ROUND HEAD CROSS RECESS (#8-32 x 3/4", Grade 2)	2
35	07-050009		NUT, LOCK (#8-32, Grade 5)	2

TITLE ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 1 OF 3)

PLATE NO. C04.35

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART NO.

**THE ILLUSTRATION FOR
THIS ENGINE IS NOT
AVAILABLE AT THIS TIME**

TITLE

ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 1 OF 3)

SIMON AERIALS INC.

NEW 04 AUG., 1994

**PART
NO.**

**PLATE
NO. C04.35**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	03-051300		RELAY (Single pole, single throw)	1
37	07-011343		MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2)	1
38	07-050009		NUT, LOCK (#8-32, Grade 5)	1
39	07-062009		WASHER, FLAT (#8)	5
40	03-456900		SOLENOID, THROTTLE (with module)	
41	03-456803		MODULE, TIMER	1
42	09-016402		BALL JOINT (1/4"-28, straight)	1
43	09-016403		BALL JOINT (1/4"-28, 90°)	1
44	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
45	2300620		BRACKET, ENGINE MOUNTING (Front)	1
46			CAP SCREW, HEX HEAD (M10-1.25, short)	6
47			CAP SCREW, HEX HEAD (M10-1.25, long)	2
48	07-066006		WASHER, LOCK (M10)	8
49			RADIATOR ASSEMBLY (Isuzu part)	1
50			HOSE, RADIATOR (UPPER) (Isuzu part)	1
51			HOSE, RADIATOR (LOWER) (Isuzu part)	1
52			SHROUD, FAN (Isuzu part)	1
53			GUARD, FAN (Isuzu part)	1
54	2327640		SUPPORT, RADIATOR	1
55	09-053500		MOUNT, RUBBER	2
56	09-053600		MOUNT, RUBBER	2
57	2300550		SUPPORT, RADIATOR	2
58			BRACKET, THROTTLE MOUNTING	1
59			BUSHING	1
60			ACTUATOR, THROTTLE	1
61			CAP SCREW, HEX HEAD	8
62			WASHER, FLAT	8
63			NUT, STOP	8
64			WASHER, FLAT	4
65			NUT, LUG	4
66			MUFFLER ASSEMBLY	1
67	09-003000		CLAMP, MUFFLER ("U"-bolt, 2-1/2")	2
68			FILTER ASSEMBLY, AIR	1
69			ELEMENT, AIR FILTER	1
70			BAND, AIR CLEANER MOUNTING	2
71			BRACKET, AIR CLEANER (see also # 102)	1
72			HOSE, AIR INTAKE	1

TITLE	ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 2 OF 3)		
PLATE NO.	C04.35	SIMON AERIALS INC.	PART NO. NEW 04 AUG., 1994

PLATE NO. C04.35

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART
NO.

**THE ILLUSTRATION FOR
THIS ENGINE IS NOT
AVAILABLE AT THIS TIME**

TITLE

ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 2 OF 3)

SIMON AERIALS INC.

NEW 04 AUG., 1994

**PART
NO.**

**PLATE
NO. C04.35**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
73	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item, order as needed. 2 Ft [.6 M] needed here)	A.R.
74	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item, order as needed. 2 Ft [.6 M] needed here)	A.R.
75	03-087800		WIRE, ELECTRICAL (#16 AWG, Red) (Bulk item, order as needed. 2 Ft [.6 M] needed here)	A.R.
76	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue) (Bulk item, order as needed. 50 Ft [15.2 M] needed here)	A.R.
77	03-088400		WIRE, ELECTRICAL (#14 AWG, Black) (Bulk item, order as needed. 4 Ft [1.26 M] needed here)	A.R.
78	03-455300		WIRE, ELECTRICAL (#10 AWG, Black, stranded) (Bulk item, order as needed. 1 Ft [.3 M] needed here)	A.R.
79	03-457200		WIRE, ELECTRICAL (#10 AWG, Blue, stranded) (Bulk item, order as needed. 12 Ft [3.7 M] needed here)	A.R.
80	03-466300		WIRE, ELECTRICAL (#10 AWG, Red, stranded) (Bulk item, order as needed. 8 Ft [2.4 M] needed here)	A.R.
81	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	5
82	03-092300		COUPLING, INSULATED (Female, blue nylon, 14-16 AWG)	5
83	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	6
84	03-094800		TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)	1
85	03-095400		TERMINAL, RING (Blue, #10-12 AWG, #10 stud)	3
86	03-095600		TERMINAL, RING (Blue, #10-12 AWG, 1/4" stud)	5
87	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	9
88	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	19
89	03-091700		TERMINAL, SPADE (Locking, #10-12 AWG, #6 stud)	5
90	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)	2
91	07-050011		NUT, LOCK (#10-24, Grade 2)	2
92	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
93	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	2
94	07-050014		NUT, LOCK (1/4"-20, Grade 5)	6
95	07-060014		WASHER, FLAT (1/4", SAE)	4
96	07-065014		WASHER, HELICAL LOCK (1/4")	1
97	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
98	07-060018		WASHER, FLAT (1/2", SAE)	4
			The following items are not included as part of Engine Assembly 3531160:	
99	09-018300		PRECLEANER (3" I.D.)	1
100	09-021500		REDUCER, HUMP (2-3/4" to 3")	1
101	09-041800		ELBOW, INTAKE (Rubber) (Deutz)	1
102	2154230		BRACKET, AIR CLEANER	1

TITLE

ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 3 OF 3)

PLATE NO. C04.35

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART NO.

**THE ILLUSTRATION FOR
THIS ENGINE IS NOT
AVAILABLE AT THIS TIME**

TITLE

ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 3 OF 3)

SIMON AERIALS INC.

NEW 04 AUG., 1994

**PART
NO.**

**PLATE
NO. C04.35**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	Call Simon 353 7940		ENGINE ASSEMBLY, DIESEL (Detroit Diesel/ Perkins 4.236) Standard version With remote mounted radiator (Special application)	1
2	09-058000		ENGINE, DIESEL (Detroit Diesel/ Perkins 4.236) (70 HP [52.2 Kw] @ 2,800 RPM, liquid cooled 4 cyl.)	1
3	09-058200		ALTERNATOR (12 Volt, 30 Amp, fully enclosed)	1
4	09-058300		REGULATOR, ALTERNATOR	1
5	09-058400		PULLEY, ALTERNATOR	1
6	07-066005		WASHER, LOCK (8 mm) (Fan mounting)	4
7	09-034000		SWITCH, COOLANT TEMPERATURE SENDING	1
8	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
9	06-081300		45° STREET ELBOW (1/8 CD45-S)	1
10	09-047800		SWITCH, OIL PRESSURE GAUGE (15 PSI, 1/8" NPT)	1
11			ELEMENT, OIL FILTER (Detroit Diesel/ Perkins part)	1
12	215 8340		BRACKET, ACCESSORY PANEL	1
13	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
14	07-065018		WASHER, HELICAL LOCK (1/2")	4
15	07-060018		WASHER, FLAT (1/2", SAE)	4
16	03-051300		RELAY (Single pole, single throw)	1
17	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
18	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
19	07-060014		WASHER, FLAT (1/4", SAE)	4
20	03-068000		STRIP, TERMINAL (10 station)	1
21	07-011334		MACHINE SCREW, ROUND HEAD CROSS RECESS (#6-32 x 3/4", Grade 2)	2
22	07-050007		NUT, STOP (#6-32, Grade 5)	2
23	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
24	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
25	03-456800		SOLENOID, THROTTLE (with module)	
26	03-456803		MODULE, TIMER	1
27	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
28	07-062009		WASHER, FLAT (#8)	2
29	07-050011		NUT, LOCK (#10-24, Grade 2)	2
30	11-008005		ROD, THREADED (1/4"-28, Grade 5) (3 Ft [.91 M] long piece. Cut to fit. 13" [.33 M] long piece needed here.)	1
31	09-016402		BALL JOINT (1/4"-28, straight)	1
32	09-016403		BALL JOINT (1/4"-28, 90°)	1
33	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
34	07-065014		WASHER, HELICAL LOCK (1/4")	1

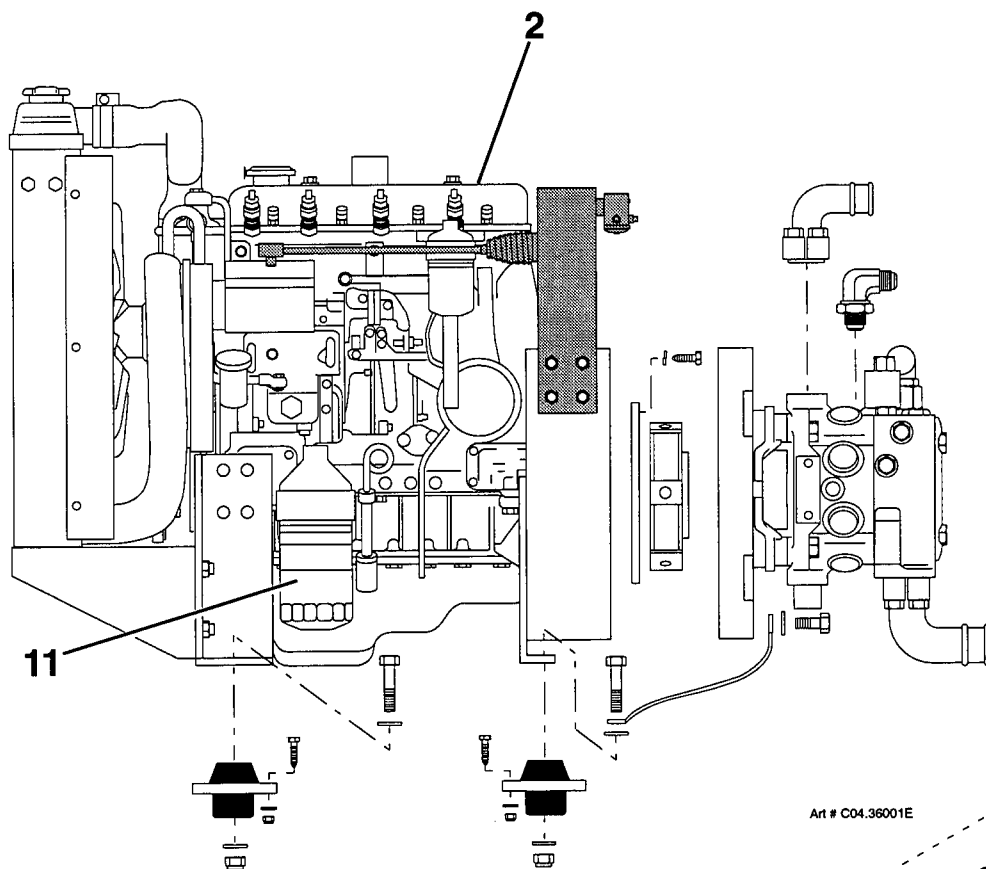
TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 1 OF 4)

PLATE NO. C04.36

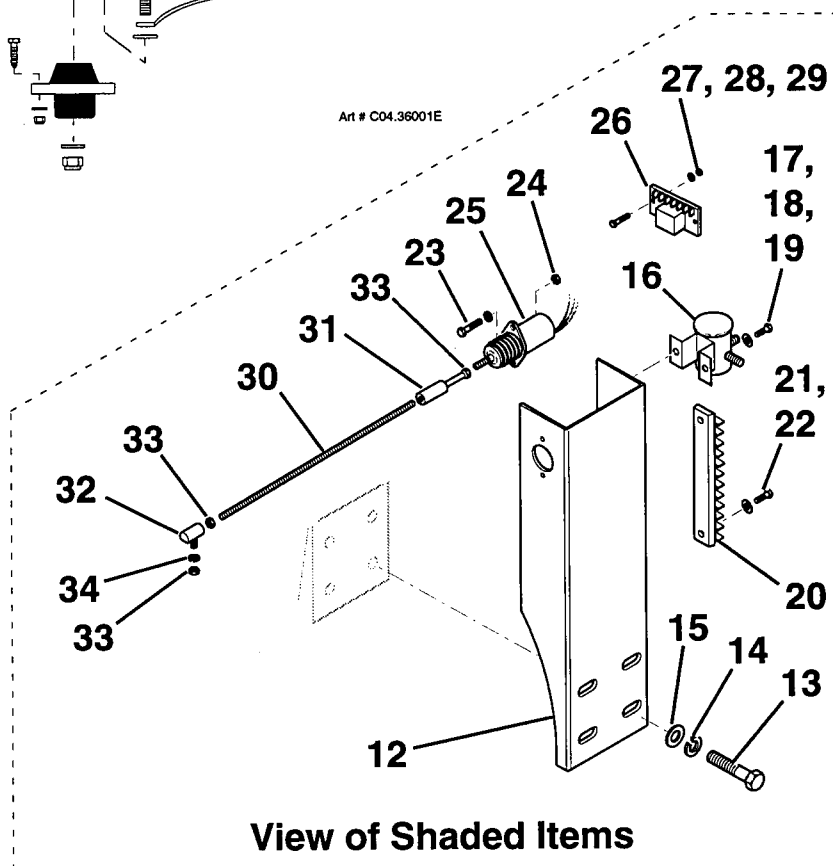
SIMON AERIALS INC.

NEW 22 NOV., 1994

PART NO.



Art # C04.36001E



TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 1 OF 4)

SIMON AERIALS INC.

NEW 22 NOV., 1994

PART
NO.

PLATE
NO. C04.36

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
35	02-012800		ADAPTER PLATE, COUPLING	1
36	02-012600		COUPLING (Model "1", size "30")	1
37	07-008305		CAP SCREW, SOCKET HEAD (3/8"-24 x 1")	8
38	07-065016		WASHER, HELICAL LOCK (3/8")	8
39	210 8660		ADAPTER, PUMP MOUNTING	1
40	07-003051		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2")	12
41	07-065016		WASHER, HELICAL LOCK (3/8")	12
42	03-074000		CABLE, GROUND (Black, 9-3/4" [25 cm] long, 3/8" lugs)	
43	See Index .	D08. - -	PUMP ASSEMBLY, HYDRAULIC	1
44	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4
45	07-065021		WASHER, HELICAL LOCK (5/8")	4
46	07-060021		WASHER, FLAT (5/8")	4
47	01-013700		VALVE, SOLENOID (2-way)	1
48	06-196900		90° FITTING, SUCTION (Flanged, 2" to 2") (ORFC 32-90)	1
49	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	4
50	07-065018		WASHER, HELICAL LOCK (1/2")	4
51	06-202100		FITTING, FLANGED (LI-16-16S-30) (obsolete, replaced by 06-213800 and 06-213900)	1
	06-213900		STEM, ADAPTER (with kit 06-213800, replaces 06-202100)	1
52	06-213800		FLANGE/ ADAPTER KIT (includes two flange halves and mounting hardware) (with stem 06-213900, replaces 06-202100)	1
53	06-214300		90° STEM, HOSE (1-1/2" dia. hose, 2" flange)	1
54	06-214400		FLANGE SET (2") (includes two flange halves and mounting hardware)	1
55			90° STEM, HOSE (16 FL 5K - 12 MJ 90°)	1
56			FLANGE SET (16 CFH-S) (includes two flange halves and mounting hardware)	1
57	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
58	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
59	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
60	06-074600		TEE (1/8 MRO-S)	1
61	10-242800		TUBING (Copper, 5/16" dia., .032" wall) (Bulk item, order as needed. 6" [152 mm] needed here)	A.R.

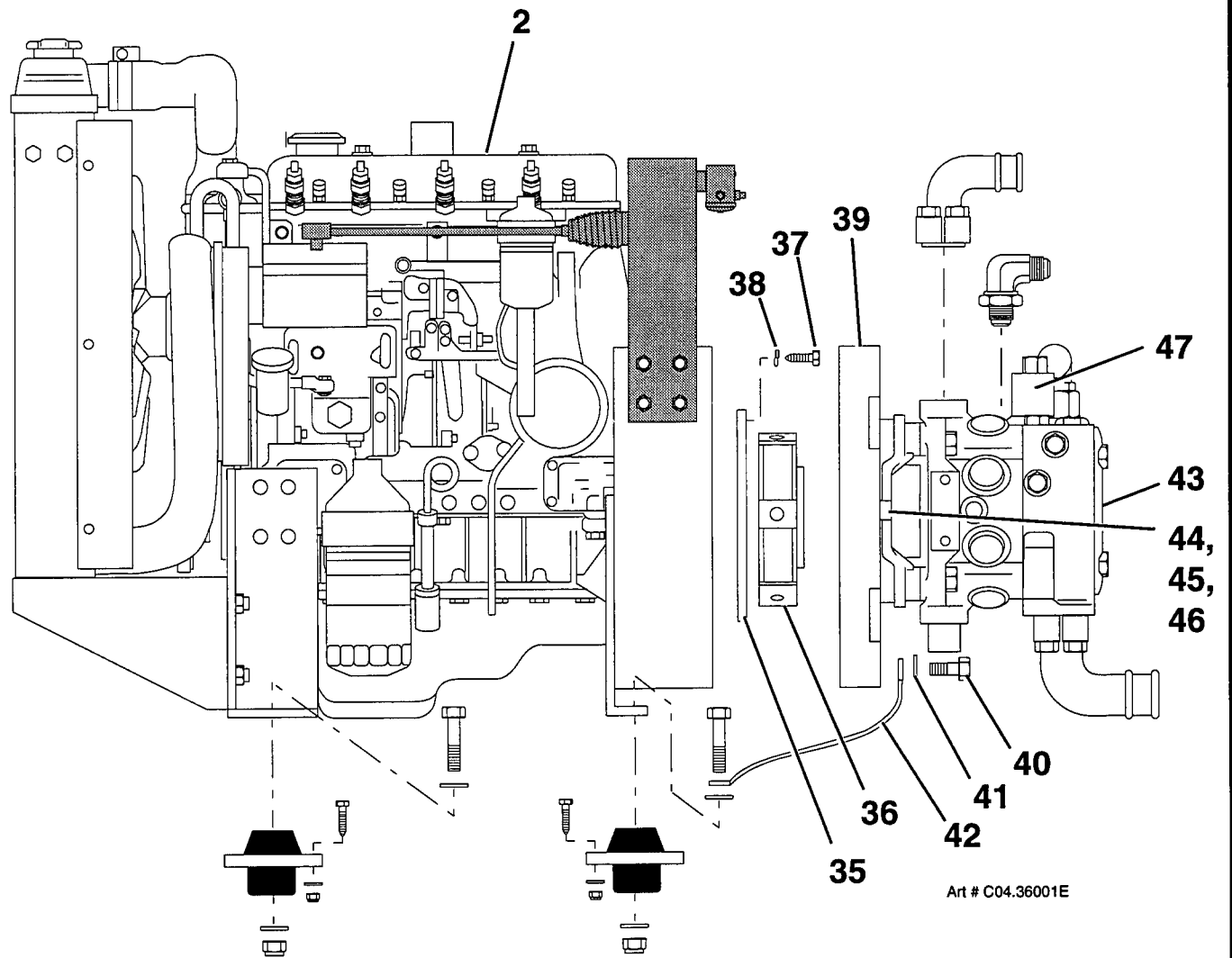
TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 2 OF 4)

PLATE NO. C04.36

SIMON AERIALS INC.

NEW 22 NOV., 1994

PART NO.



Art # C04.36001E

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 2 OF 4)

SIMON AERIALS INC.

NEW 22 NOV., 1994

PART
NO.

PLATE
NO. C04.36

PARTS LIST

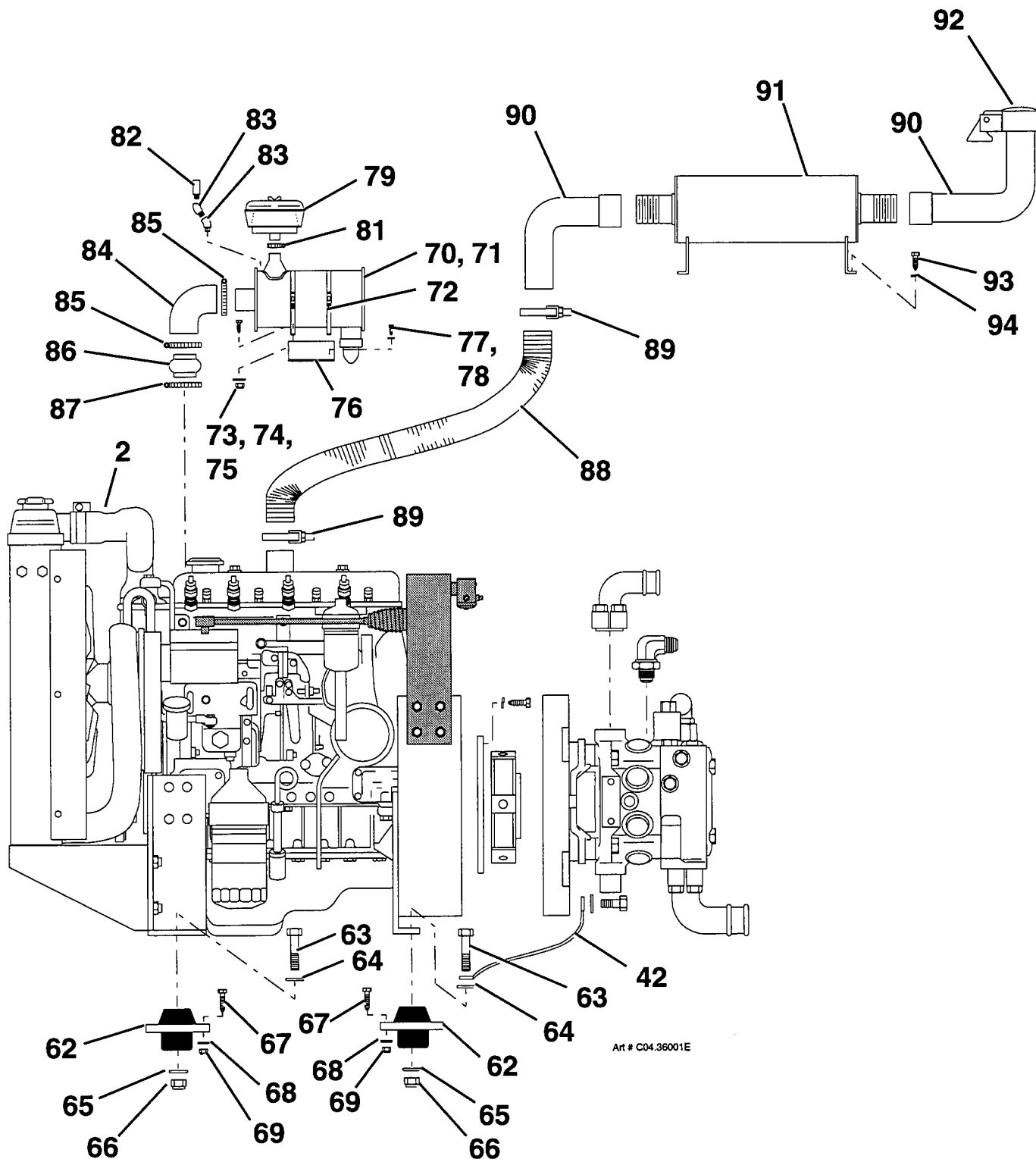
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of the Engine Assembly:	
62	09-006500		MOUNT, ENGINE	4
63			CAP SCREW, HEX HEAD	4
64			WASHER, FLAT	4
65			WASHER, FLAT (SAE)	8
66			NUT, HEX LOCK	4
67			CAP SCREW, HEX HEAD	8
68			WASHER, FLAT	8
69			NUT, HEX LOCK	8
70	09-007000		AIR CLEANER ASSEMBLY (8" [203 mm] dia.)	1
71			ELEMENT, AIR FILTER	1
72	09-003400		BAND, MOUNTING (8" dia.)	2
73			SCREW	4
74			NUT, LOCK	4
75			WASHER, FLAT	4
76			BRACKET, AIR CLEANER	2
77			SCREW, SELF-TAPPING	4
78			WASHER, FLAT	4
79	09-007100		PRE-CLEANER (3-3/4" [95 mm] dia.)	1
80	09-036000		ELBOW (2-1/2" x 2-1/2")	2
81			CLAMP	1
82	09-009900		INDICATOR, AIR FILTER SERVICE (20")	1
83	06-081300		45° STREET ELBOW (1/8 CD45-S)	1
84	09-003500		ELBOW (Rubber, 3" I.D.)	1
85			CLAMP, WORM	2
86	09-021500		REDUCER, HUMP (2-3/4" to 3")	1
87			CLAMP, WORM	1
88	09-021300		TUBE, FLEX (2-1/2" I.D. Stainless steel) (Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
89	09-003000		CLAMP, MUFFLER (2-1/2", "U" bolt, universal)	2
90	233 7870		ELBOW, EXHAUST	2
91	09-040000		MUFFLER	1
92	09-009400		CAP, RAIN (2-1/2")	1
93			SCREW, SELF-TAPPING	4
94			WASHER, FLAT	4
95	05-009900		HOSE, SUCTION (32 G4H) (Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
96	05-081900		HOSE, FUEL LINE (5/16" I.D.) (Bulk item, order as needed. 16 Ft [4.9 M] needed here)	A.R.
97	05-084700		HOSE, FUEL LINE (1/8" I.D.) (Bulk item, order as needed. 20 Ft [6.1 M] needed here)	A.R.

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 3 OF 4)

PLATE NO. C04.36 **SIMON AERIALS INC.**

NEW 22 NOV., 1994

PART NO.



Art # C04.36001E

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 3 OF 4)

SIMON AERIALS INC.

NEW 22 NOV., 1994

PART
NO.

PLATE
NO. C04.36

PARTS LIST

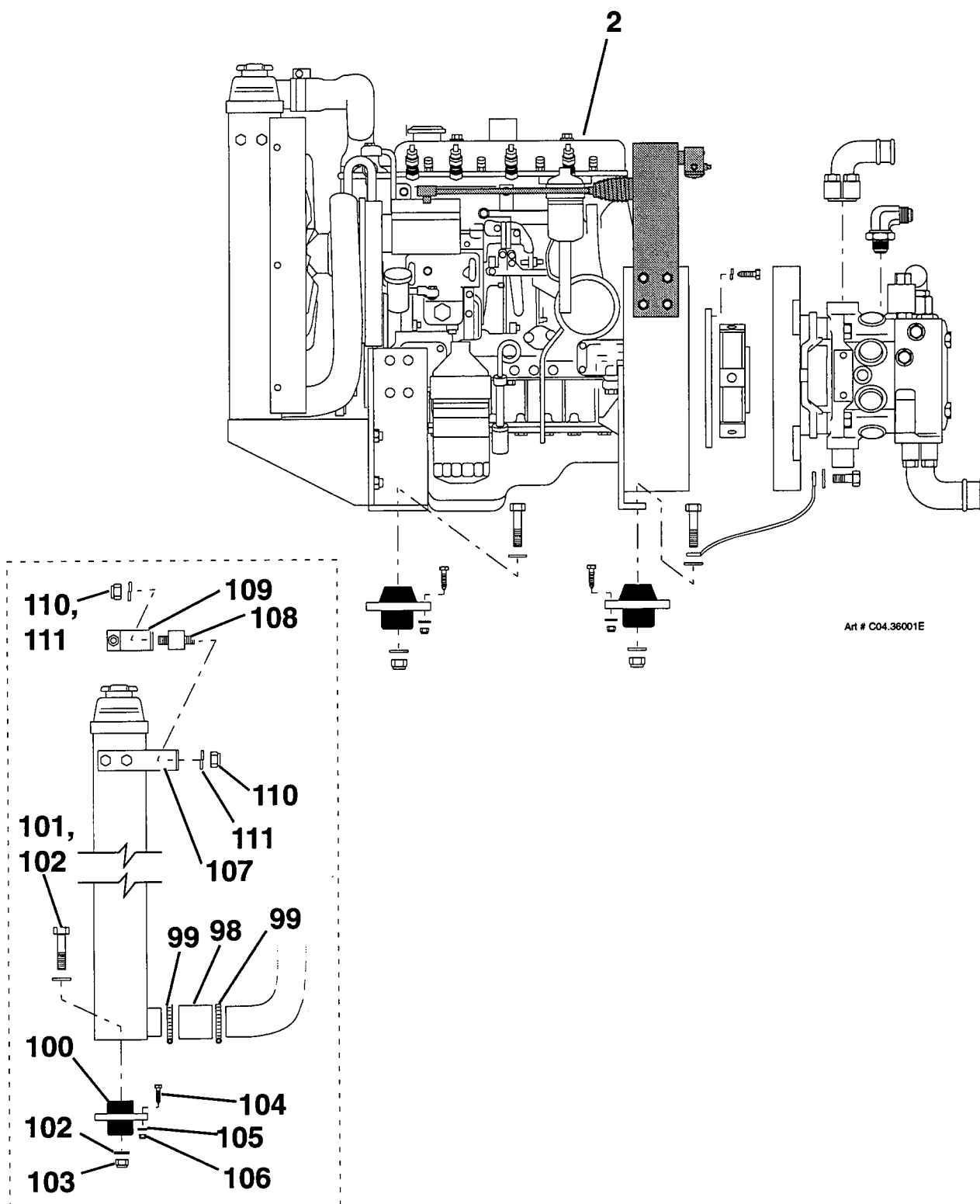
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are used when the optional remote mounted radiator is specified:	
98	09-058600		HOSE, RADIATOR (2" I.D.) (Bulk item, order as needed. 2.04" [.91 M] needed this application)	A.R.
99	09-008500		CLAMP, HOSE (3-1/2")	4
100			CUSHION, RADIATOR (Lower)	2
101			CAP SCREW, HEX HEAD	2
102			WASHER, FLAT (3/8")	2
103			NUT, HEX LOCK (3/8"-16, Grade 5)	2
104			CAP SCREW, HEX HEAD	4
105			WASHER, FLAT (3/8")	4
106			NUT, HEX LOCK (3/8"-16, Grade 5)	4
107			BRACKET, RADIATOR (Upper)	2
108			CUSHION, RADIATOR (Upper)	2
109			BRACKET, RADIATOR CUSHION (Upper)	2
110			NUT, HEX	4
111			WASHER, HELICAL LOCK	4
			The following hardware items may be used:	
112	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)	A.R.
113	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)	A.R.
114	03-087800		WIRE, ELECTRICAL (#16 AWG, Red) (Bulk item)	A.R.
115	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue) (Bulk item)	A.R.
116	03-088400		WIRE, ELECTRICAL (#14 AWG, Black) (Bulk item)	A.R.
117	03-455300		WIRE, ELECTRICAL (#10 AWG, Black, stranded) (Bulk item)	A.R.
118	03-457200		WIRE, ELECTRICAL (#10 AWG, Blue, stranded) (Bulk item)	A.R.
119	03-466300		WIRE, ELECTRICAL (#10 AWG, Red, stranded) (Bulk item)	A.R.
120	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	5
121	03-092300		COUPLING, INSULATED (Female, blue nylon, 14-16 AWG)	5
122	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	6
123	03-094800		TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)	1
124	03-095400		TERMINAL, RING (Blue, #10-12 AWG, #10 stud)	3
125	03-095600		TERMINAL, RING (Blue, #10-12 AWG, 1/4" stud)	5
126	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	9
127	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	19
128	03-091700		TERMINAL, SPADE (Locking, #10-12 AWG, #6 stud)	5

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 4 OF 4)

PLATE NO. C04.36 **SIMON AERIALS INC.**

NEW 22 NOV., 1994

PART NO.



With Remote Mounted Radiator

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 4 OF 4)

SIMON AERIALS INC.

NEW 22 NOV., 1994

**PART
NO.**

**PLATE
NO. C04.36**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE ASSEMBLY (Deutz Model F4L 912 with HPR 50 Pump)	1
2	09-032800		ENGINE, DIESEL (Deutz Model F4L 912)	1
3	---		FITTING, OIL PRESSURE (comes with engine)	1
4	---		SWITCH, OIL PRESSURE (comes with engine)	1
5	---		CLAMP, MUFFLER (comes with engine)	1
6	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (1/8 MRO-S)	1
7	09-052200		SENDING UNIT, OIL PRESSURE	1
8	06-202600		FITTING, BANJO (M14, female thread)	1
9	06-198700		FITTING, COMPRESSION (Straight, 3/16" tube to 1/4" NPT)	1
10	06-202700		BOLT, BANJO (M14)	1
11	06-202800		WASHER, BANJO BOLT (M14)	2
12			FITTING, BANJO	1
13			FITTING, COMPRESSION	1
14	06-201500		BOLT, BANJO (M18)	1
15			WASHER, BANJO BOLT	2
16	235 2040		PANEL, ENGINE ACCESSORY	1
17			SPACER	4
18			WASHER, FLAT	4
19			NUT, STOP	4
20	03-051300		RELAY (Single pole, single throw, 12 Volt DC, continuous duty)	1
21	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
22	07-060014		WASHER, FLAT (1/4", SAE)	2
23	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
24	03-456803		MODULE, THROTTLE SOLENOID	2
25	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade 8)	4
26	07-040111		NUT, STOP (#10-32, Grade 5)	4
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			LAMP, GLOW PLUG INDICATOR	1
31			DECAL, "GLOW PLUG INDICATOR"	1
32	03-736200		SOLENOID (includes cable end hardware)	2
33			BRACKET, SOLENOID MOUNTING	1
34			CAP SCREW, HEX HEAD	4
35			WASHER, FLAT	8
36			NUT, LOCK	4
37	236 2990		BRACKET, THROTTLE CABLE MOUNTING	1
38	236 3000		BRACKET, THROTTLE ARM	1
39			CAP SCREW, HEX HEAD	2
40			NUT, LOCK	2

TITLE

ENGINE ASSEMBLY, DEUTZ F4L 912 DIESEL

SECTION

C04.

PLATE NO.

39

PAGE

01

REV.

-

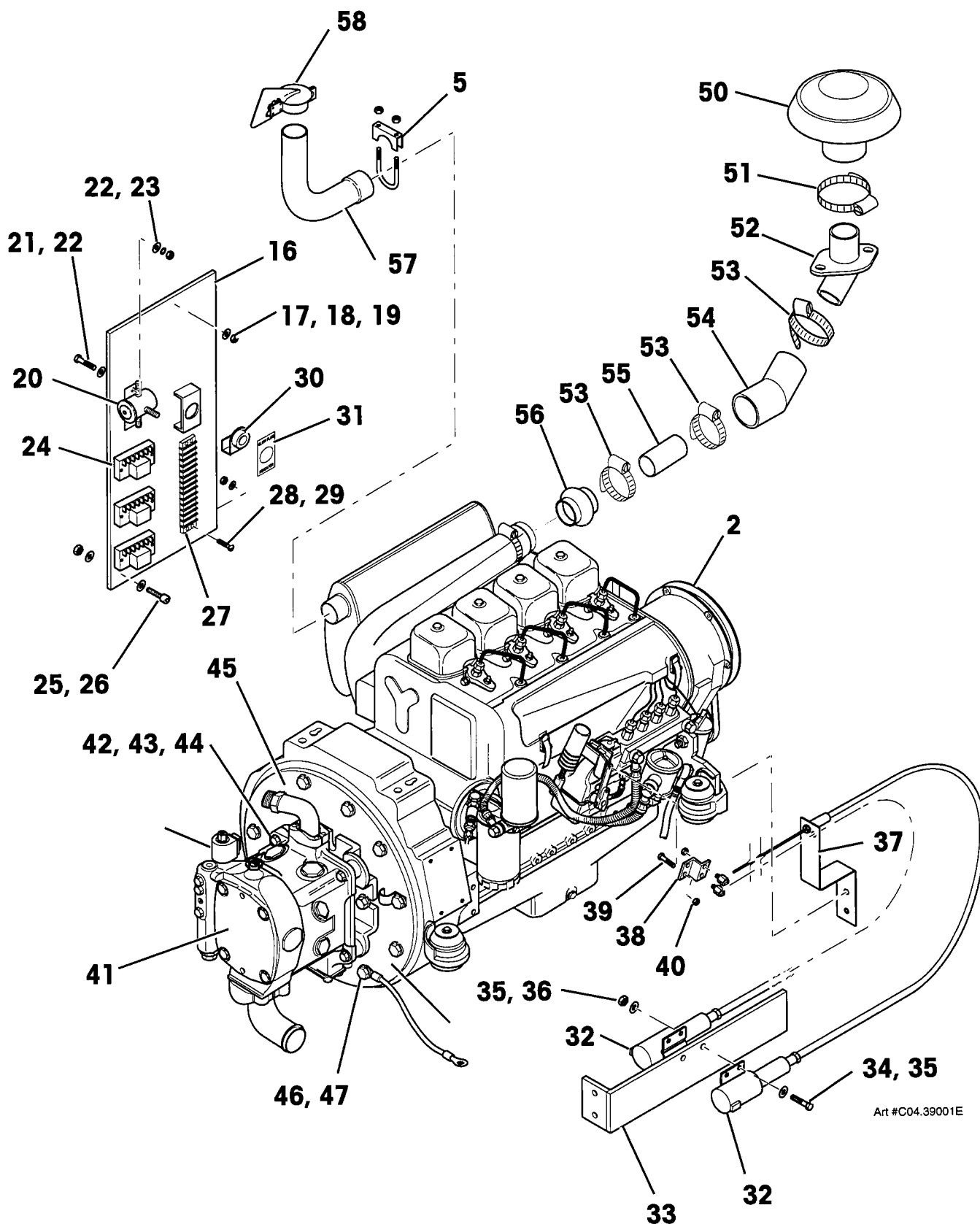
DATED

10 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 #C04.39001E

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 ASSEMBLY, DEUTZ F4L 912 DIESEL

PART
NO.

REV.
-

DATED
10 OCT., 1996

SECTION

C04.

PLATE NO.

39

PAGE

01

PARTS LIST

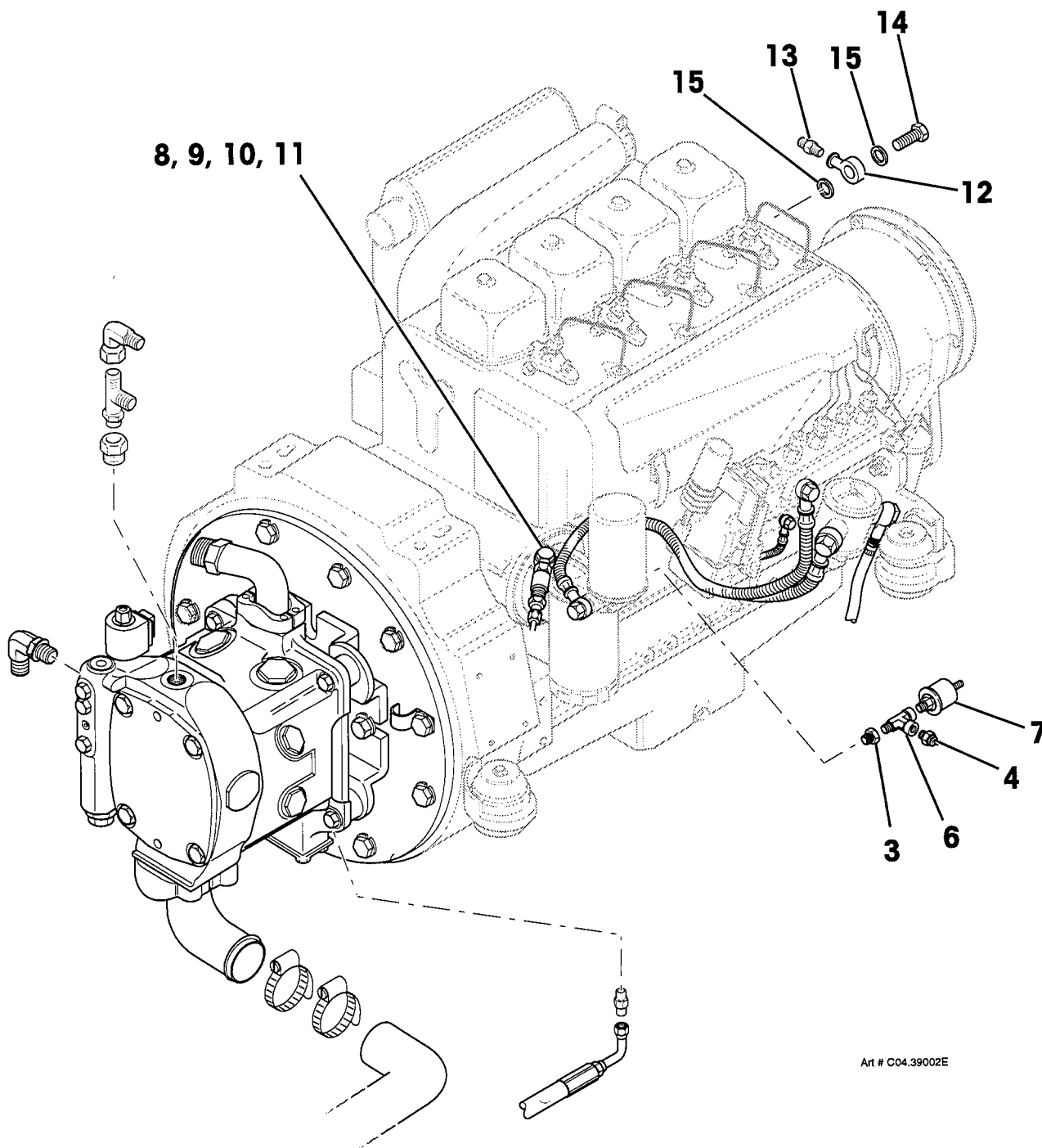
[illegible]

TITLE

ENGINE ASSEMBLY, DEUTZ F4L 912 DIESEL

SECTION	C04.	PLATE NO.	39	PAGE	02	REV.	-	DATED	10 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 # C04.39002E

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 ASSEMBLY, DEUTZ F4L 912 DIESEL

PART
NO.

REV.

DATED
10 OCT., 1996

SECTION

C04.

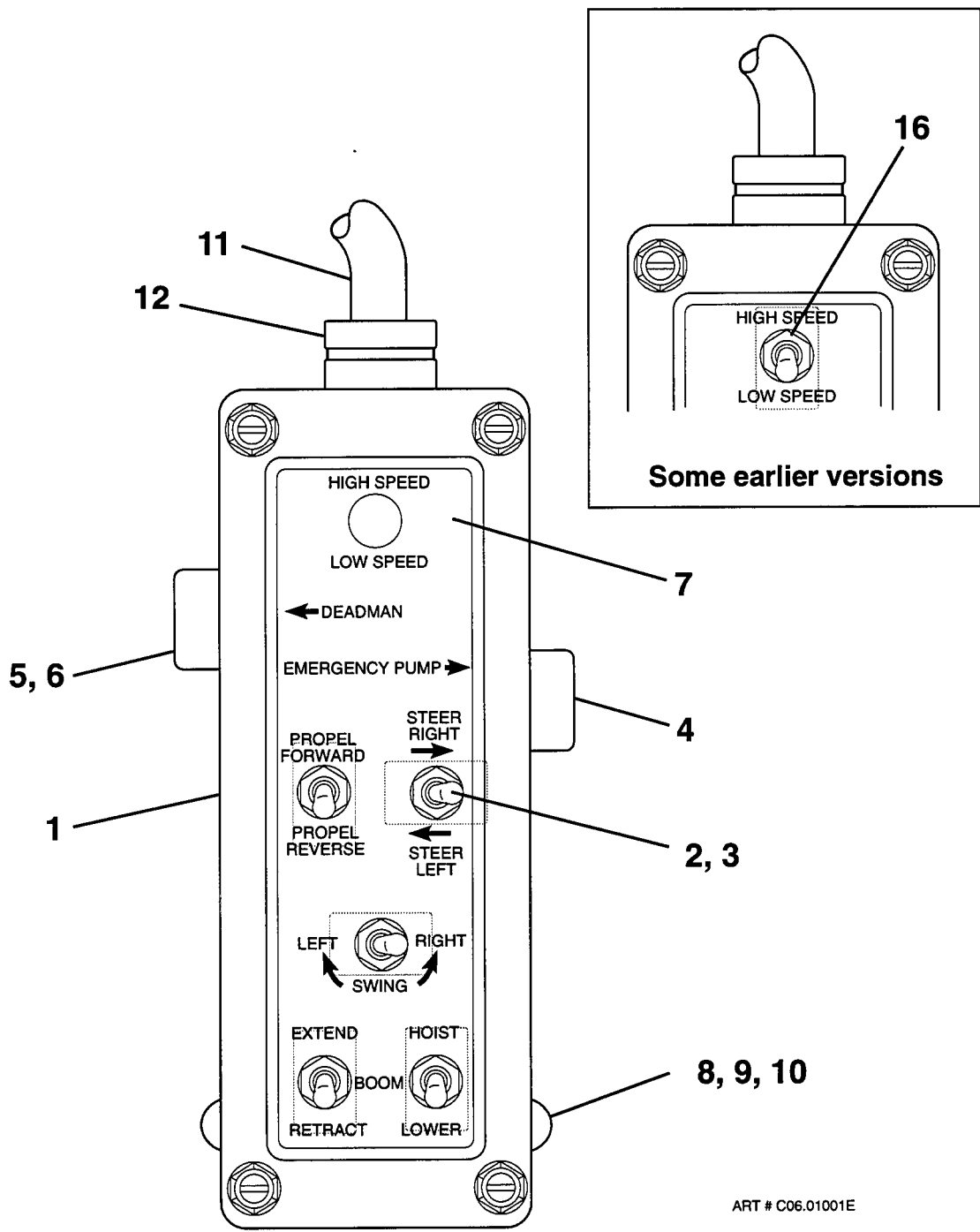
PLATE NO.

39

PAGE

02

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



ART # C06.01001E

TITLE

REMOTE CONTROL PENDANT ASSEMBLY

SIMON AERIALS INC.

REV. 18 NOV., 1994

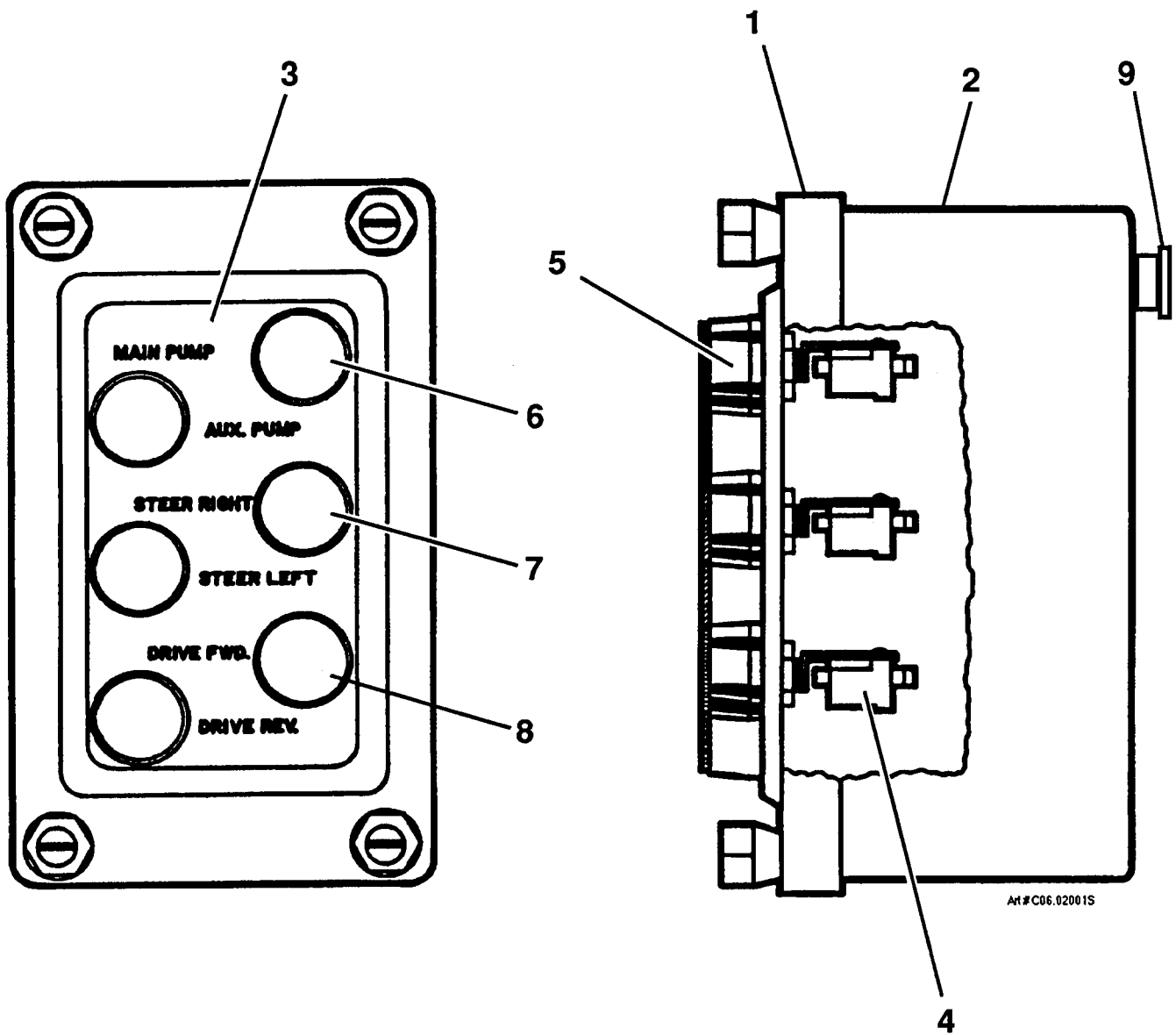
PART
NO.

PLATE
NO. C06.01

[illegible]

PENDANT ASSEMBLY, REMOTE CONTROL

3510225



TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 08/16/91

PART
NO.

3510225

PLATE
NO.

C06.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	No Part # No Part #		REMOTE CONTROL PENDANT ASSEMBLY Earlier version, with 10 Ft (3.05 M) long, 24 conductor cable Later version, with 20 Ft (6.10 M) long, 19 conductor cable.	1
1	03-063000		BOX, CONTROL (Undrilled box, includes cover)	1
2	03-020500		SWITCH, TOGGLE (Double pole, double throw)	5
3	03-497900		SEAL, PANEL (optional)	5
4	03-020300		BUTTON, PUSH (Single pole, single throw)	1
5	03-021200		BUTTON, PUSH (Two position, "push/ pull")	1
6	03-025000		BLOCK, CONTACT (Normally closed)	1
7	10-016400		PLATE, REMOTE CONTROL PENDANT IDENTIFICATION With toggle switch hole at top labeled "High/ Low speed".	1
	No Part #		Modify part 10-016400 to remove upper section with "High/ Low speed" toggle switch hole.	
8	01-031705		KNOB, CONTROL BOX MOUNTING	2
9	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
10	07-062011		WASHER, FLAT (#10)	8
11			CABLE, ELECTRICAL [Bulk item, order as needed]	A.R.
	03-085000		For earlier versions: Type SJO, 24 conductor, #16 AWG (10 Ft [3.05 M] needed in this application.)	
	03-488800		For later versions: Type F 569, 19 conductor, #16 AWG (20 Ft [6.10 M] needed in this application.)	
12	03-063200		GRIP, CORD (3/4", sealing)	1
13	03-055600		NUT, CONDUIT LOCK (3/4")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	22
15	03-091300		TERMINAL, SPADE (Blue, #10 stud, #14-16 AWG)	2
16	03-409800		BUTTON, EMERGENCY STOP (Red, "Twist to release" type)	1
17	03-409900		BASE ASSEMBLY, SWITCH MOUNTING (includes "Normally closed" contact block)	1
18	10-101800		DECAL, "EMERGENCY STOP" (Black text in two lines)	
			(on later units having Emergency stop button on front face of pendant)	1
19	No Part #		DECAL, "EMERGENCY STOP" (Black text in one line)	
			(on some earlier units having an Emergency stop button on the underside of the pendant)	1
			The following optional item, which may be found on some earlier pendants, is not part of this Remote Control Pendant Assembly:	
20	03-020400		SWITCH, TOGGLE (Travel speed) (on some earlier units) (Two position, maintained contact, single pole, single throw)	1

TITLE REMOTE CONTROL PENDANT ASSEMBLY (WITH "EMERGENCY STOP")

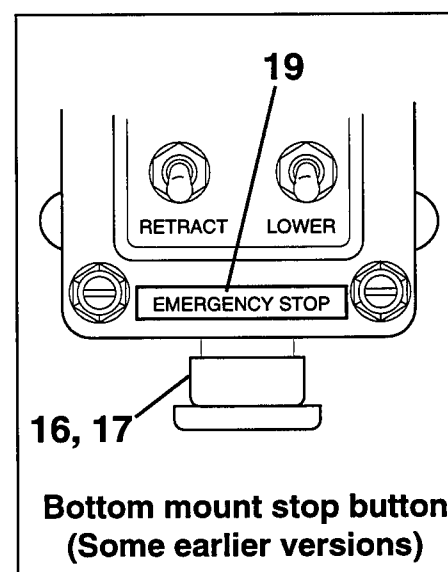
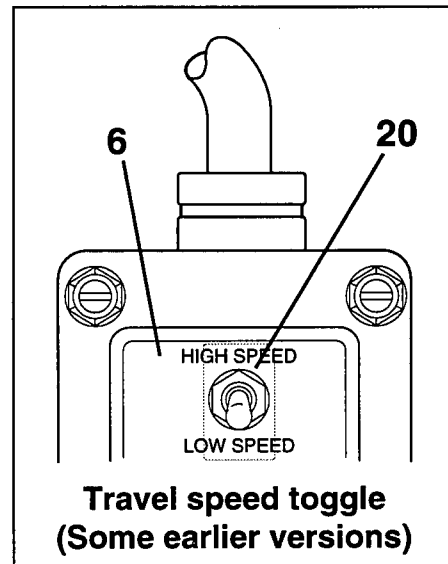
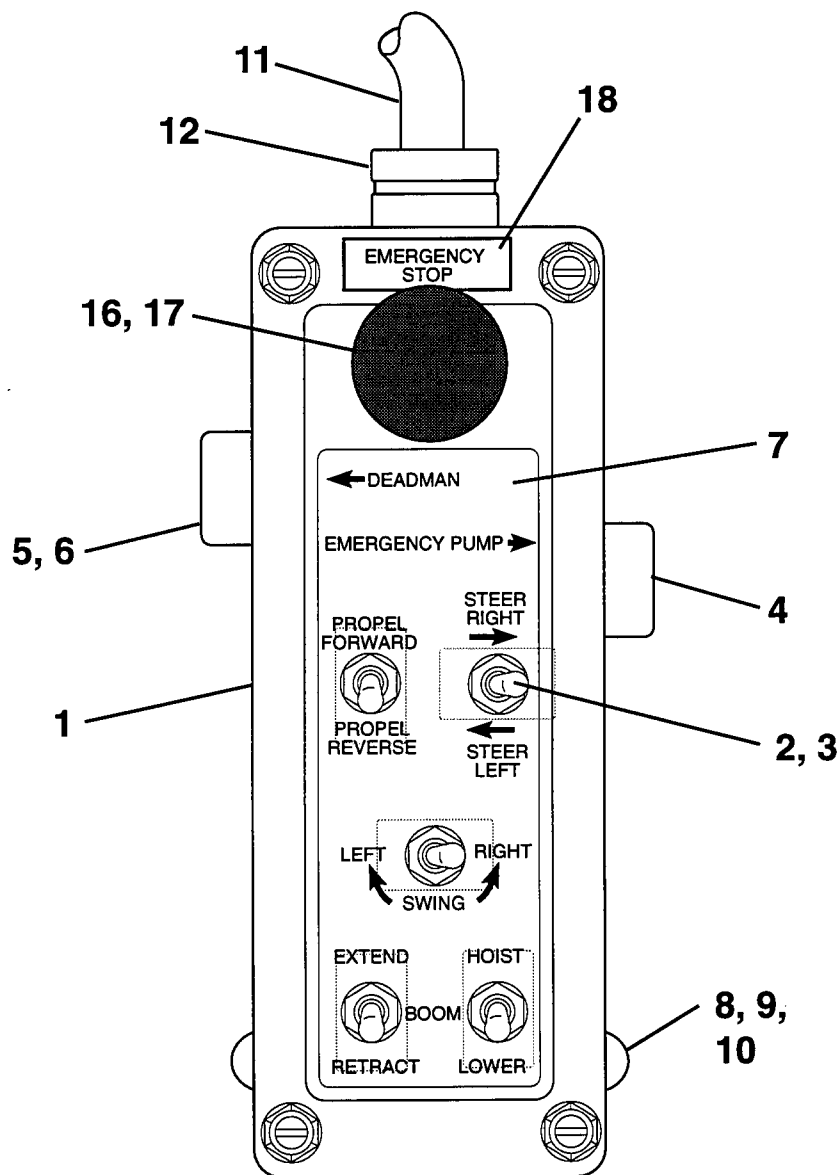
PLATE NO.

C06.03

SIMON AERIALS INC.

REV. 18 NOV., 1994

PART NO.



ART # C06.03005E

TITLE REMOTE CONTROL PENDANT ASSEMBLY (WITH "EMERGENCY STOP")

SIMON AERIALS INC.

REV. 18 NOV., 1994

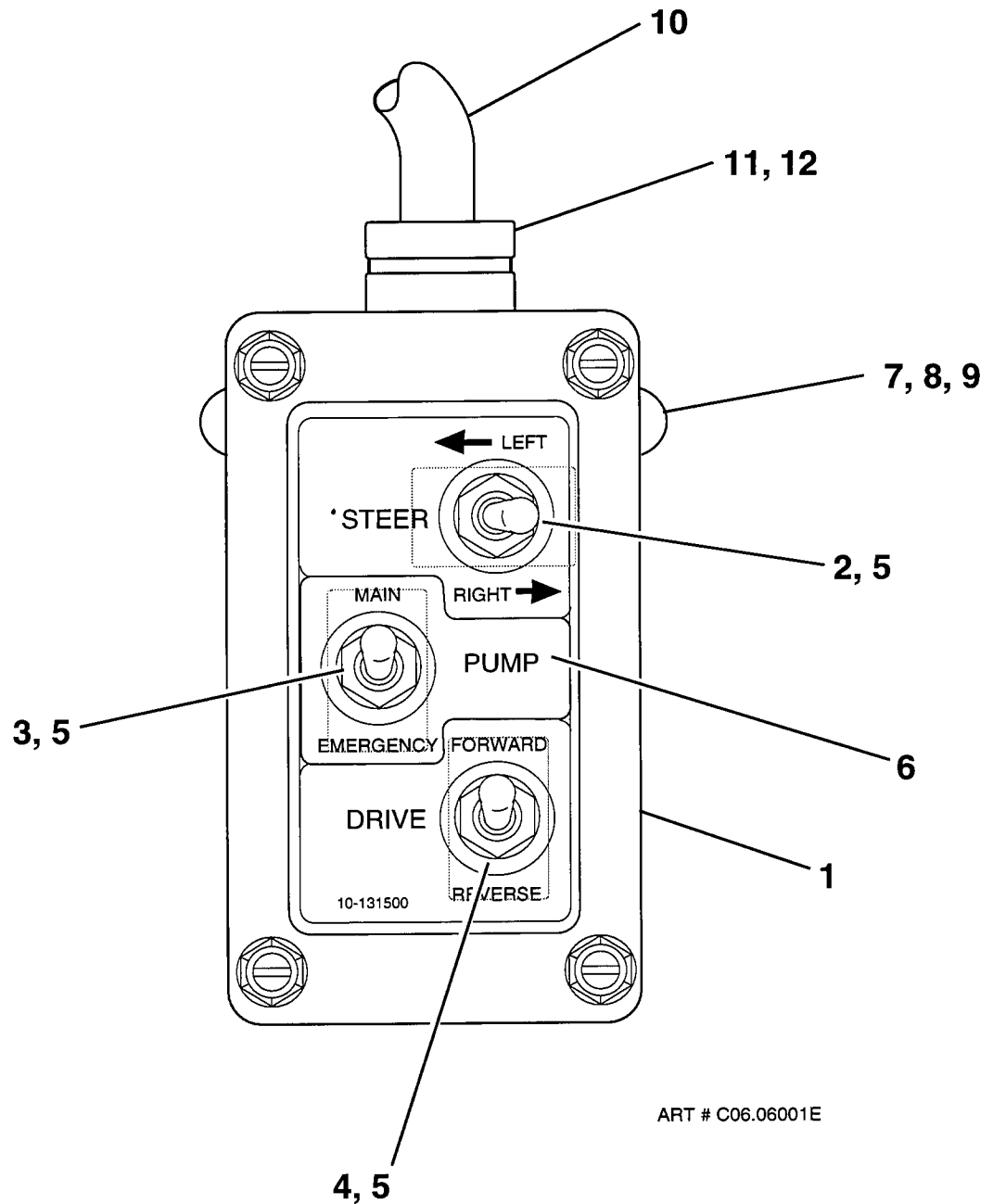
**PART
NO.**

**PLATE
NO. C06.03**

[illegible]

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

REV. 07 SEP., 1995



ART # C06.06001E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 07 SEP., 1995

PART
NO.

352 9370

PLATE
NO.

C06.06

PARTS LIST

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

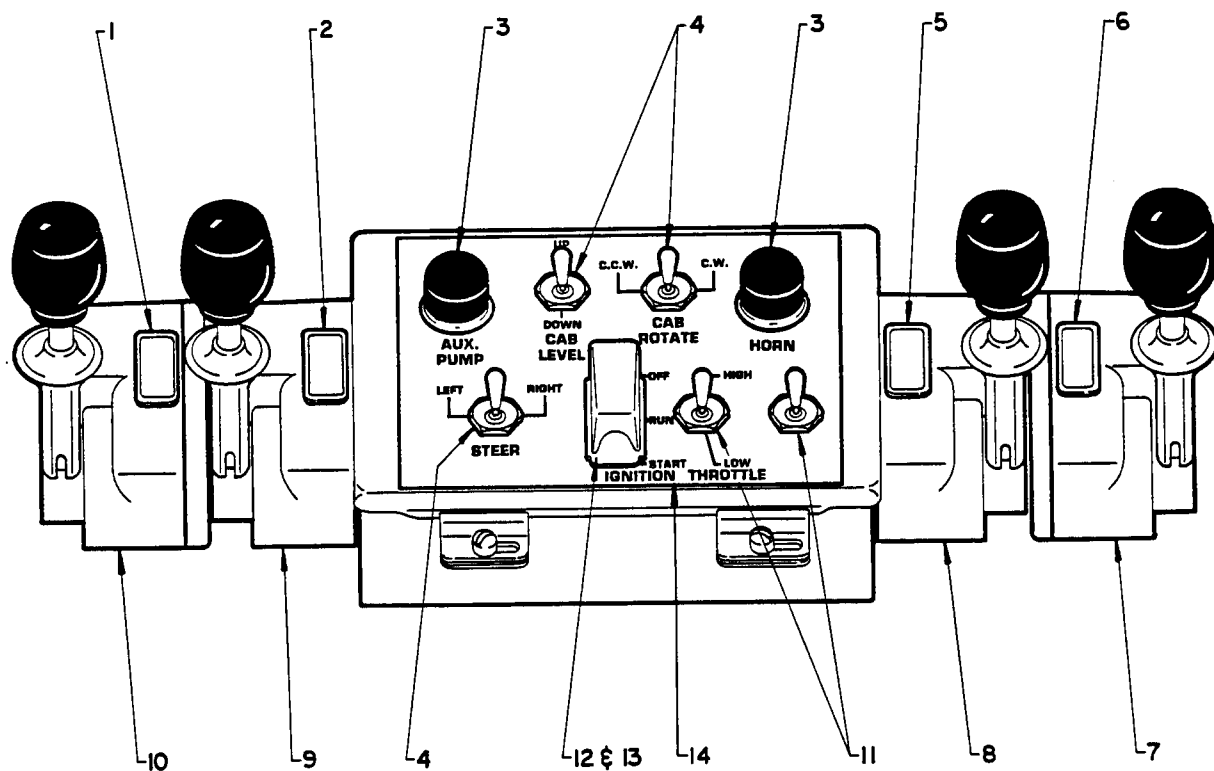
TITLE	PLATFORM CONTROL CONSOLE ASSEMBLY
-------	-----------------------------------

PLATE NO. C08.02	SIMON AERIALS INC.	REV. 10/01/90	PART NO. 3508183
------------------	--------------------	---------------	------------------

REV. 10/01/90

PARTS LIST

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



0885/0885

DESCRIPTION

CONTROL CONSOLE (PROPORTIONAL)

PART NO.

CAA-208491-2

PARTS LIST

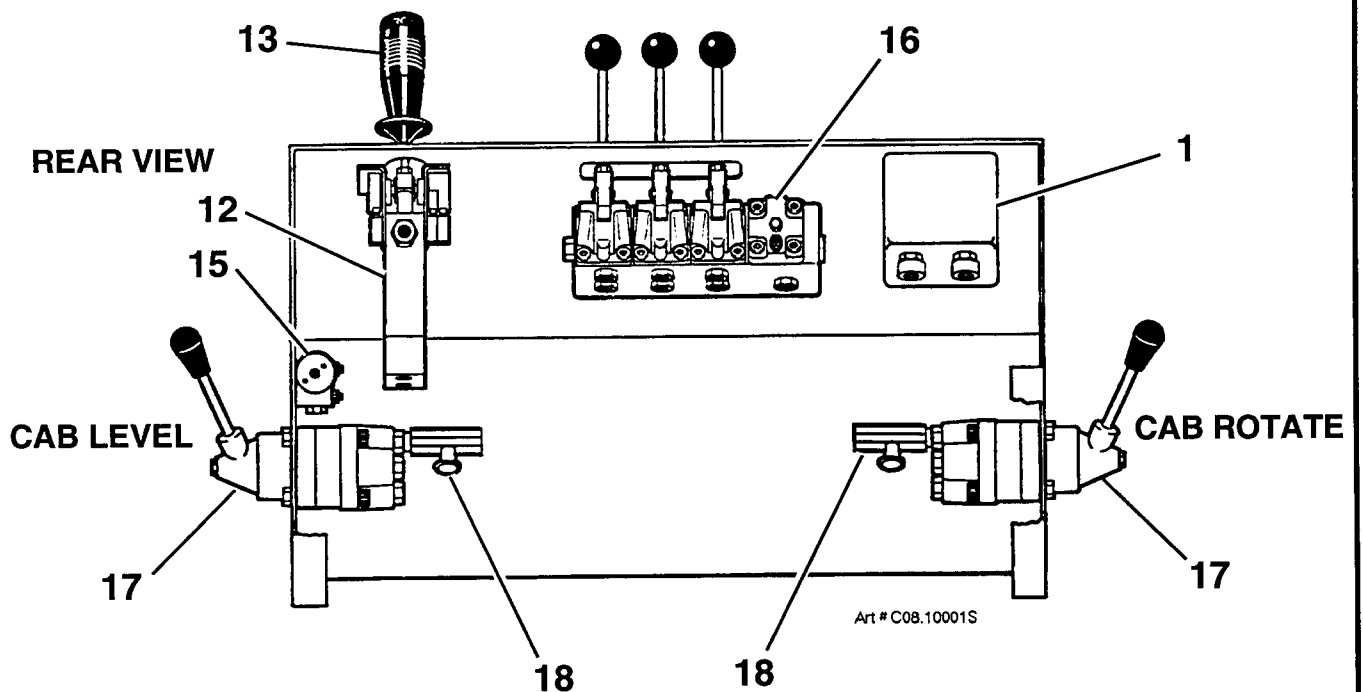
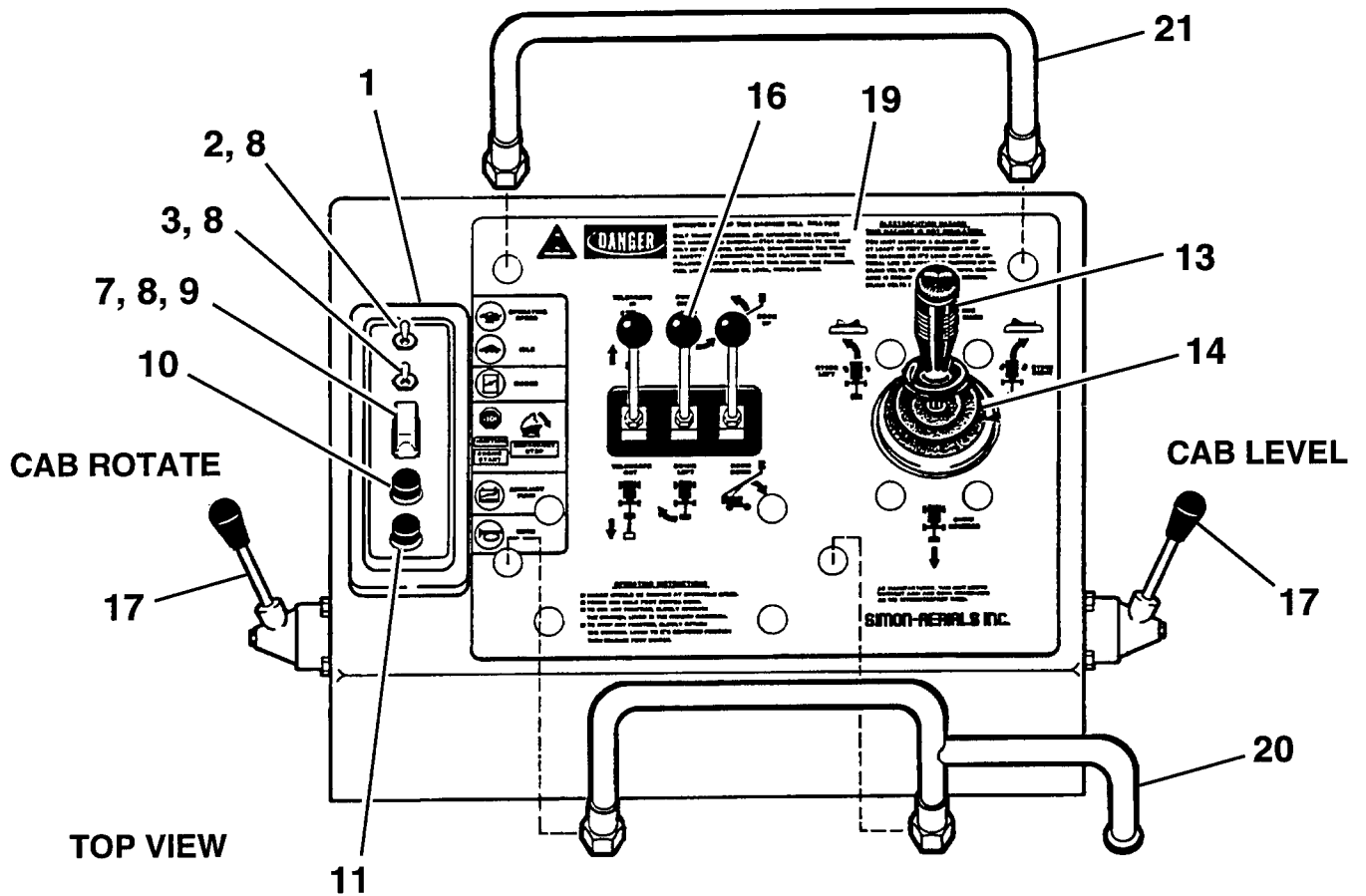
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	211 0650		BOX, PLATFORM ELECTRICAL CONTROL	1
2	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
3	03-020500		SWITCH, TOGGLE (Choke) (3 position, intermittent contact, single pole, double throw)	1
4	03-402500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

TITLE CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

PLATE NO. C08.10 SIMON AERIALS INC.

REV. 06 JUN., 1995

PART NO.



TITLE CONTROL CONSOLE ASSEMBLY (FULL HYDRAULIC)

SIMON AERIALS INC.

REV. 06 JUN., 1995

PART NO.

PLATE NO. C08.10

PARTS LIST

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

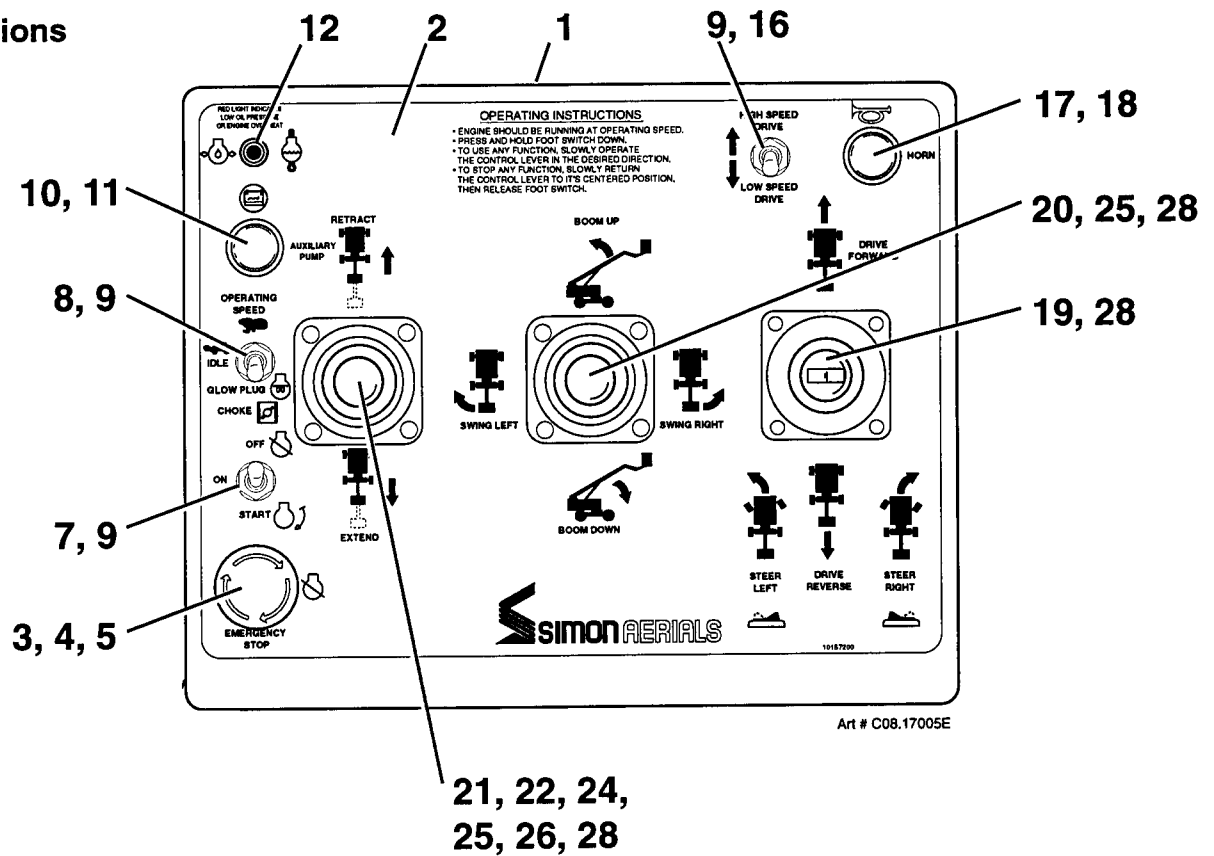
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (1 OF 4)

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

NEW 02 DEC., 1994

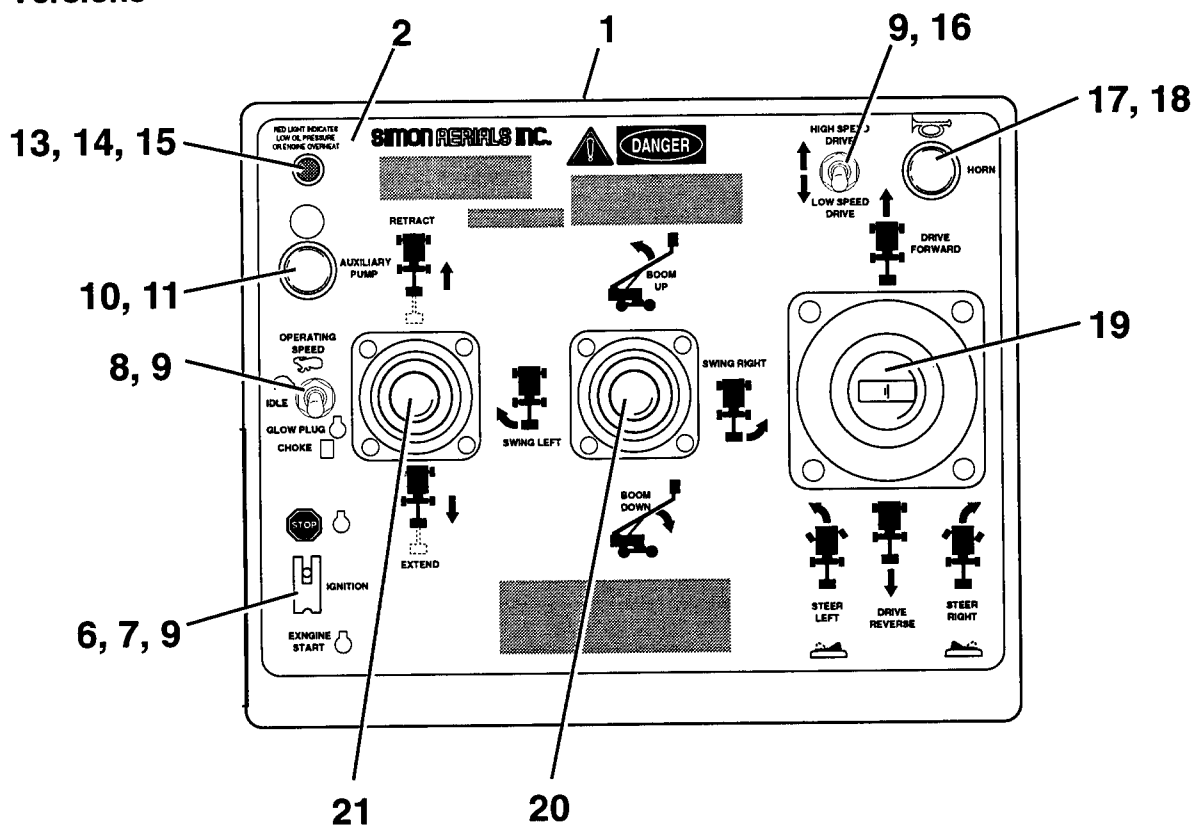
PART NO.

Later Versions



Art # C08.17005E

Earlier Versions



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

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

[illegible]

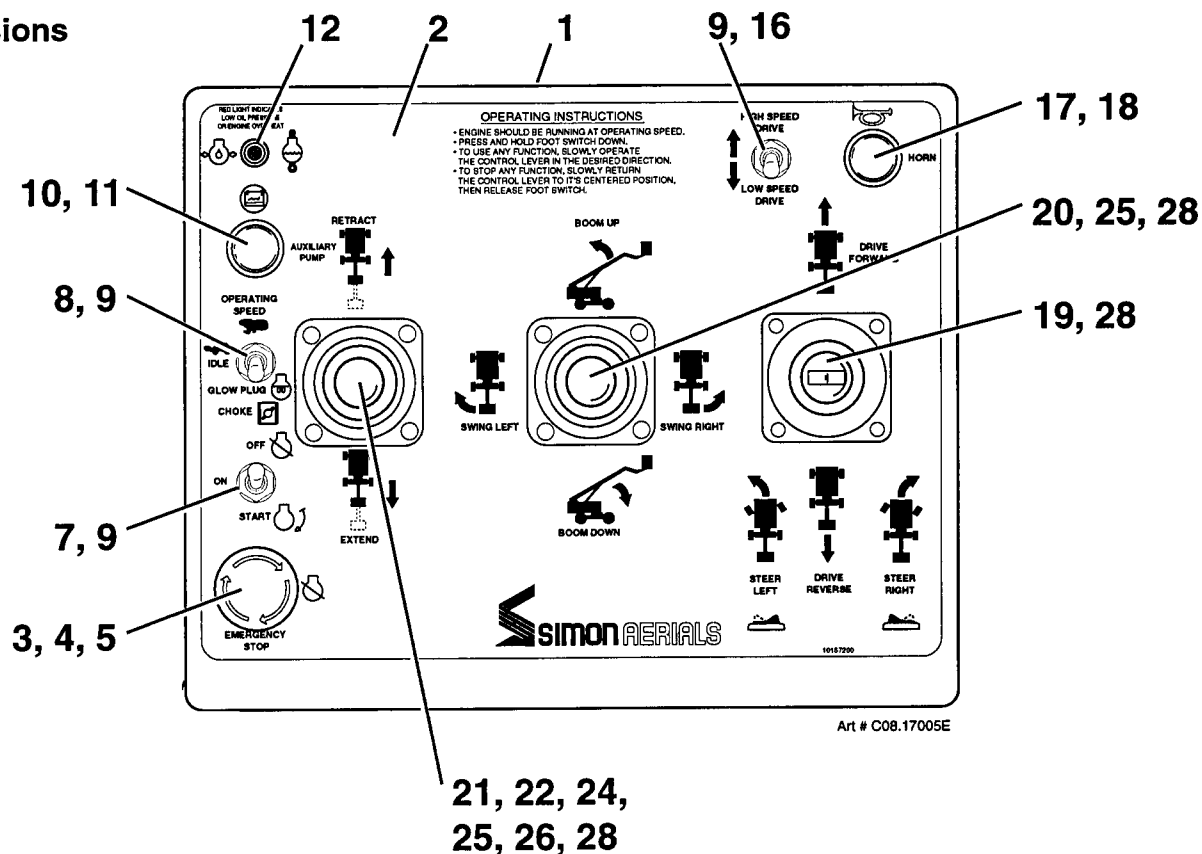
TITLE	PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (2 OF 4)
-------	--

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

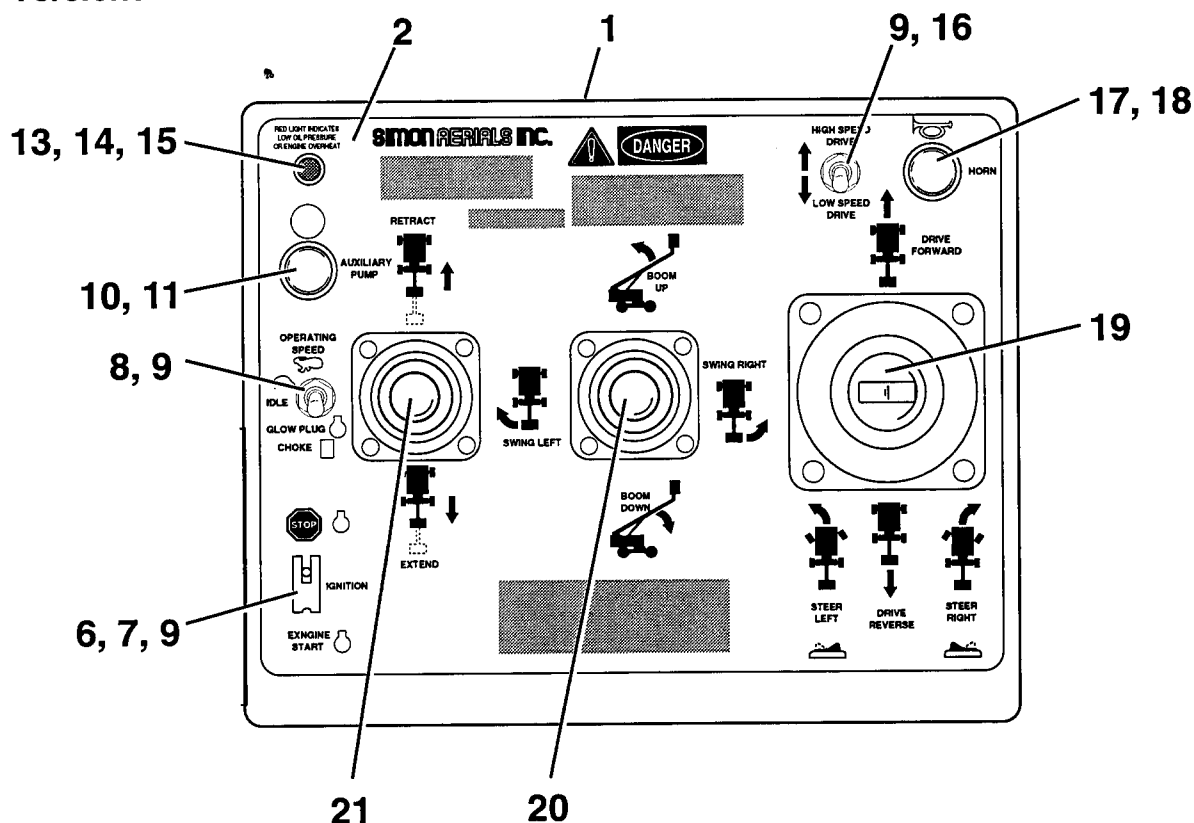
NEW 02 DEC., 1994

PART
NO.

Later Versions



Earlier Versions



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

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

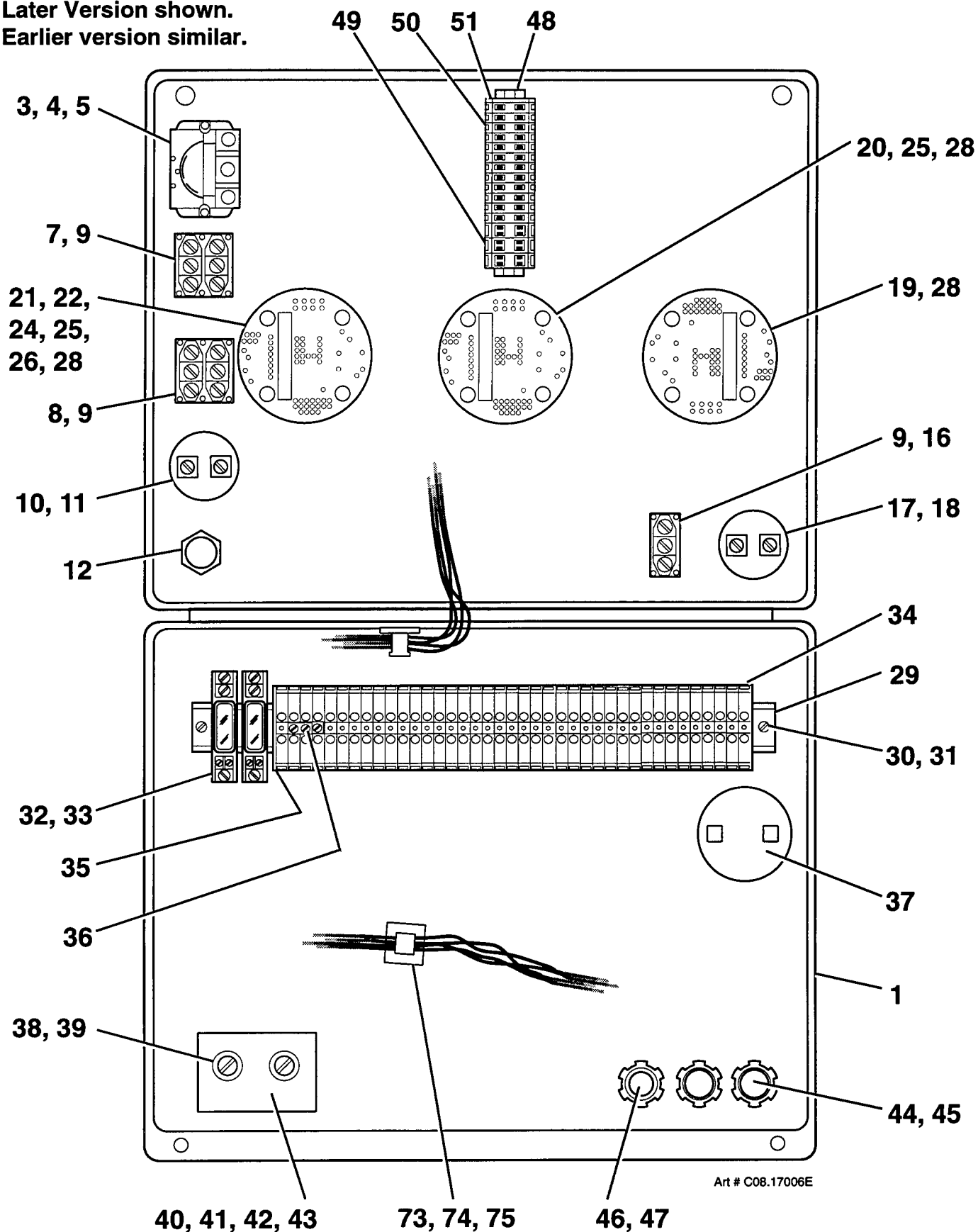
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
29	03-051700		RAIL, TERMINAL (1-3/8" [35 mm] wide) (1 M [39.37"] long section) (12" [305 mm] long piece needed here)	1
30	07-011800		SCREW, SHEET METAL PAN HEAD (#6 x 3/4")	2
31	07-050007		NUT, STOP (#6-32, Grade 5)	2
32	03-051600		SOCKET, RELAY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

TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (3 OF 4)			
PLATE NO.	C08.17	SIMON AERIALS INC. NEW 02 DEC., 1994	PART NO.

NEW 02 DEC., 1994

PART
NO.

Later Version shown.
Earlier version similar.



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

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

[illegible]

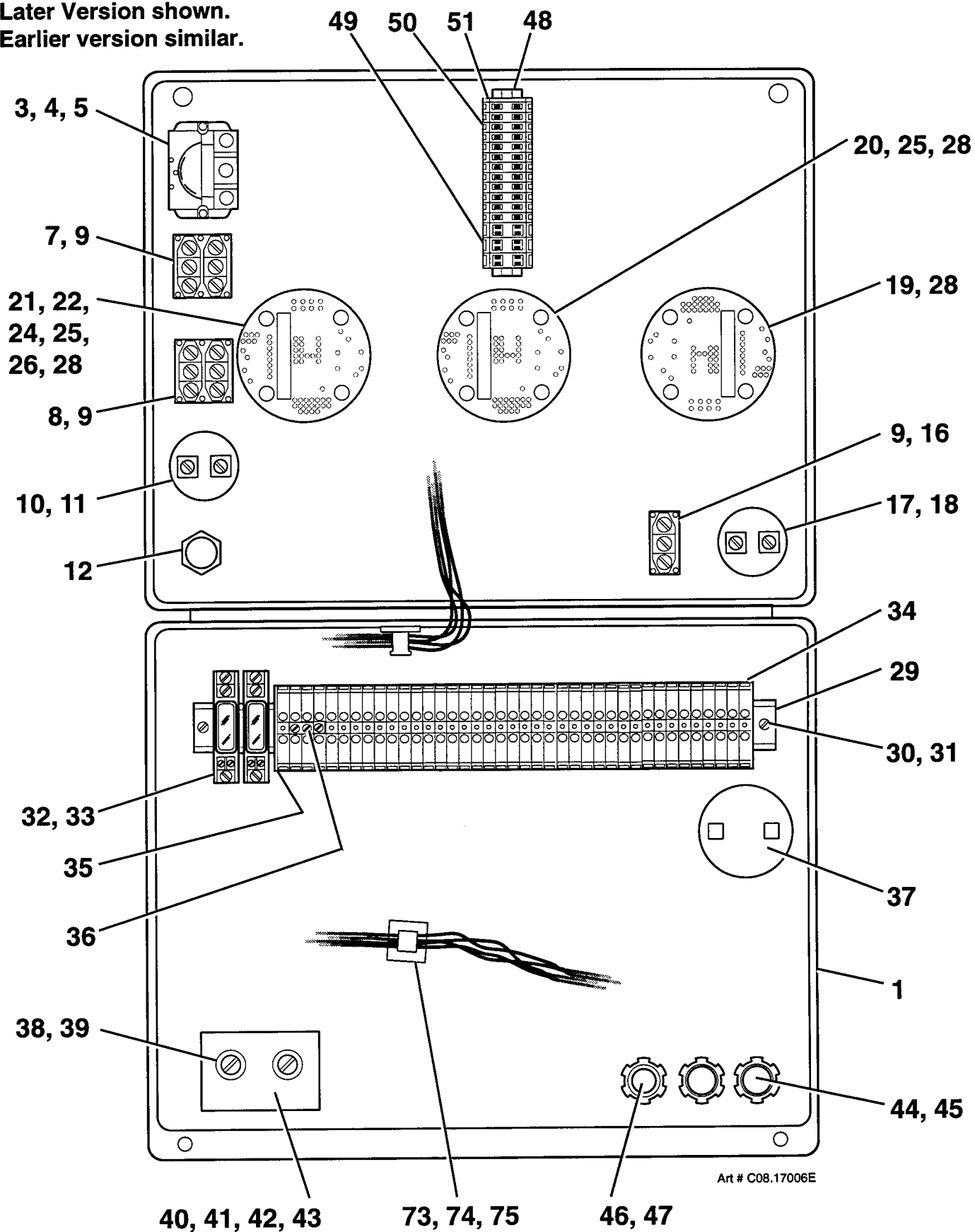
TITLE PLATFORM CONSOLE, ELECTRO-PROPORTIONAL (TYPE 2) (4 OF 4)

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

NEW 02 DEC., 1994

**PART
NO.**

Later Version shown.
Earlier version similar.



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

SIMON AERIALS INC.

NEW 02 DEC., 1994

PART
NO.

PLATE
NO. C08.17

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 7020 354 4090		PLATFORM CONSOLE ASSEMBLY MP's with Full Hydraulic operating system Special MP 70 application	1
1	219 5570		CONSOLE WELDMENT, PLATFORM	1
2	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
3	10-145000 10-241100		PLACARD, PLATFORM CONTROL Standard (Lexan, as shown. Included in above ass'ys.) Optional (Stencil-cut aluminum)	1
4	10-241400		SPACER (needed with aluminum control placard)	6
5	See Plate . .	D18.02	VALVE, DRIVE CONTROL	1
6	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	4
7	07-062015		WASHER, FLAT (5/16")	8
8	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
9	See Plate . .	C02. - -	VALVE BANK, PLATFORM CONTROL	1
10	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
11	07-062015		WASHER, FLAT (5/16")	4
12	07-065015		WASHER, HELICAL LOCK (5/16")	4
13	See Plate . .	D14. - -	VALVE, PLATFORM LEVEL AND ROTATE	1
14	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
15	07-062014		WASHER, FLAT (1/4")	4
16	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
17	01-001900		VALVE, CHECK (Pilot operated)	1
18	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
19	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
20	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
21	07-062016		WASHER, FLAT (3/8")	4
22	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
23	01-034400		VALVE, 2 WAY (includes coil)	1
24	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	1
25	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
26	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
27	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2
28	07-062014		WASHER, FLAT (1/4")	4
29	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

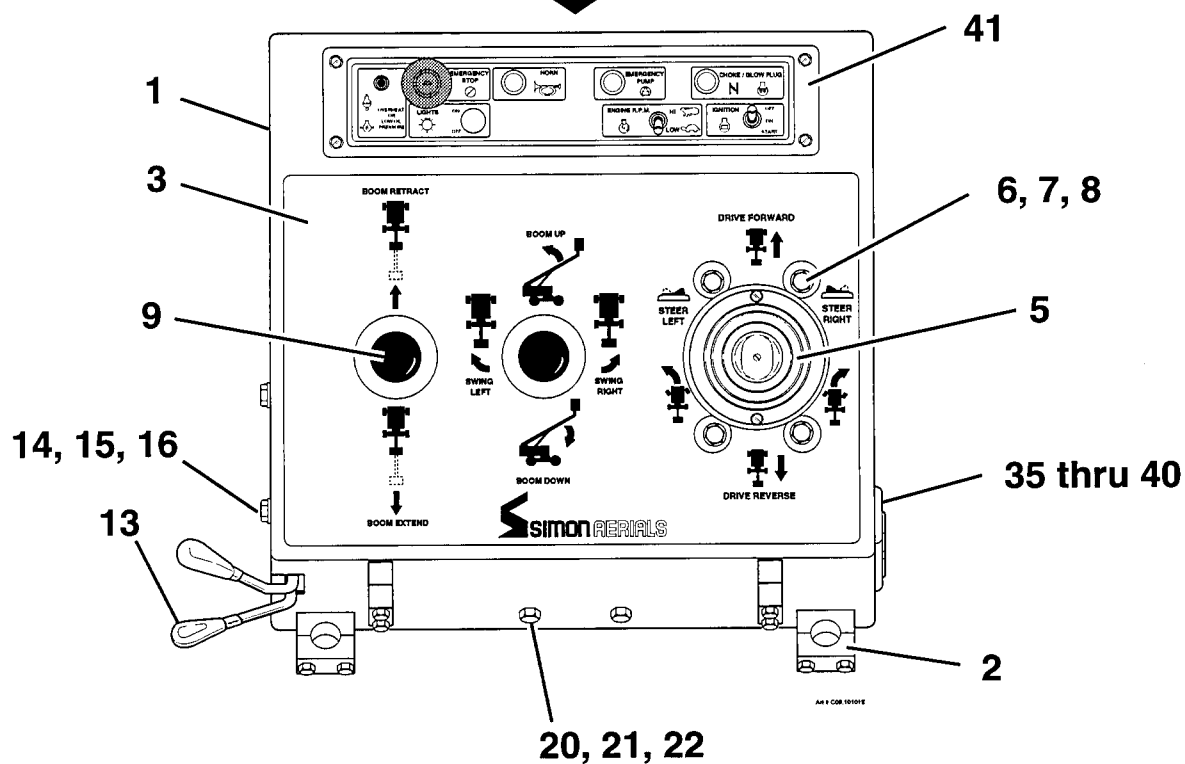
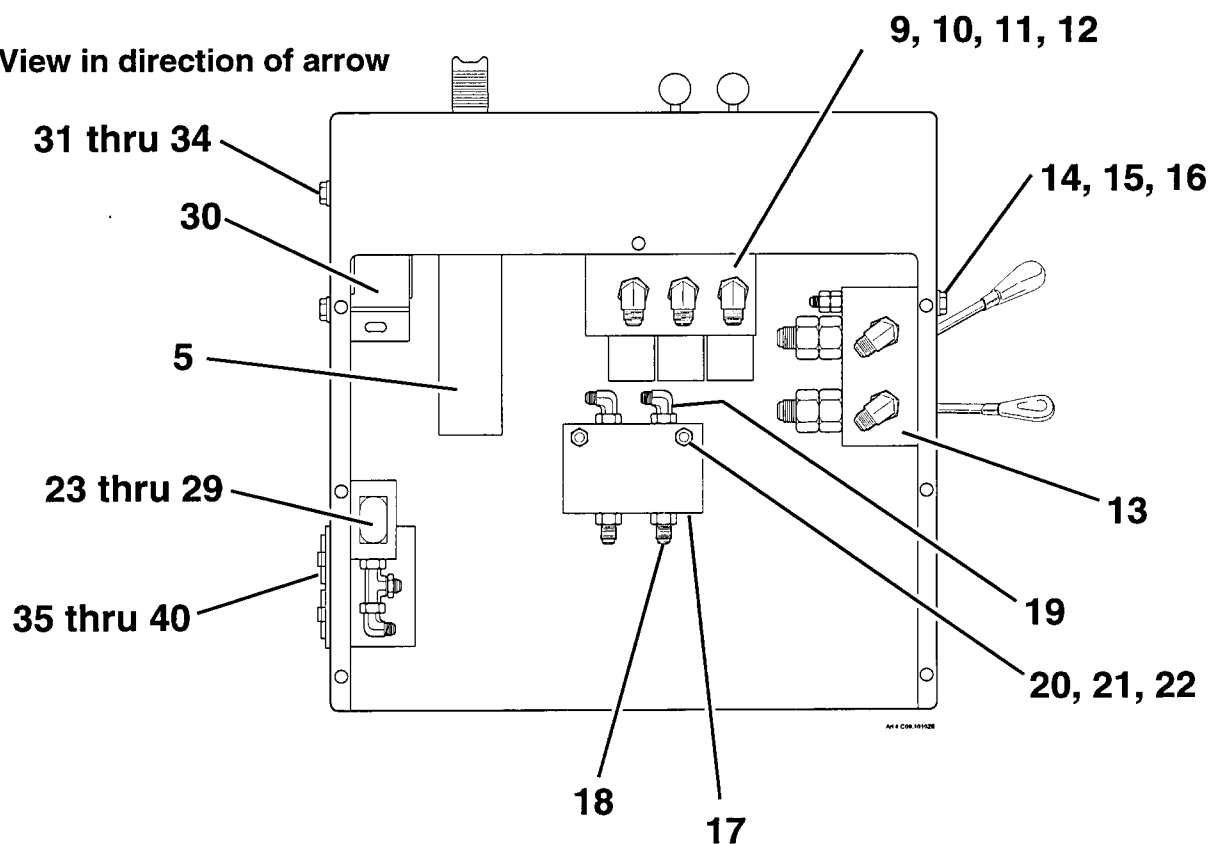
TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 1 OF 4)

PLATE NO. C08.21 **SIMON AERIALS INC.**

REV. 15 SEP., 1995

PART NO.

View in direction of arrow



TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 15 SEP., 1995

PART
NO.

PLATE
NO. C08.21

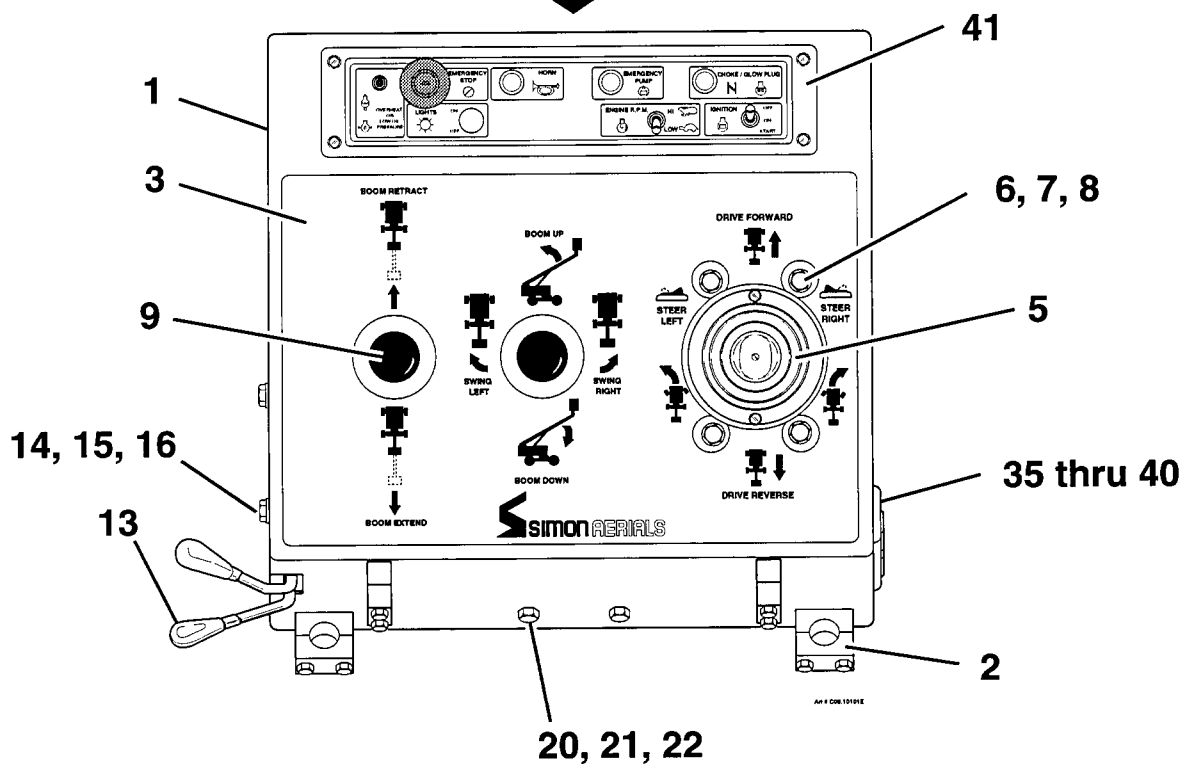
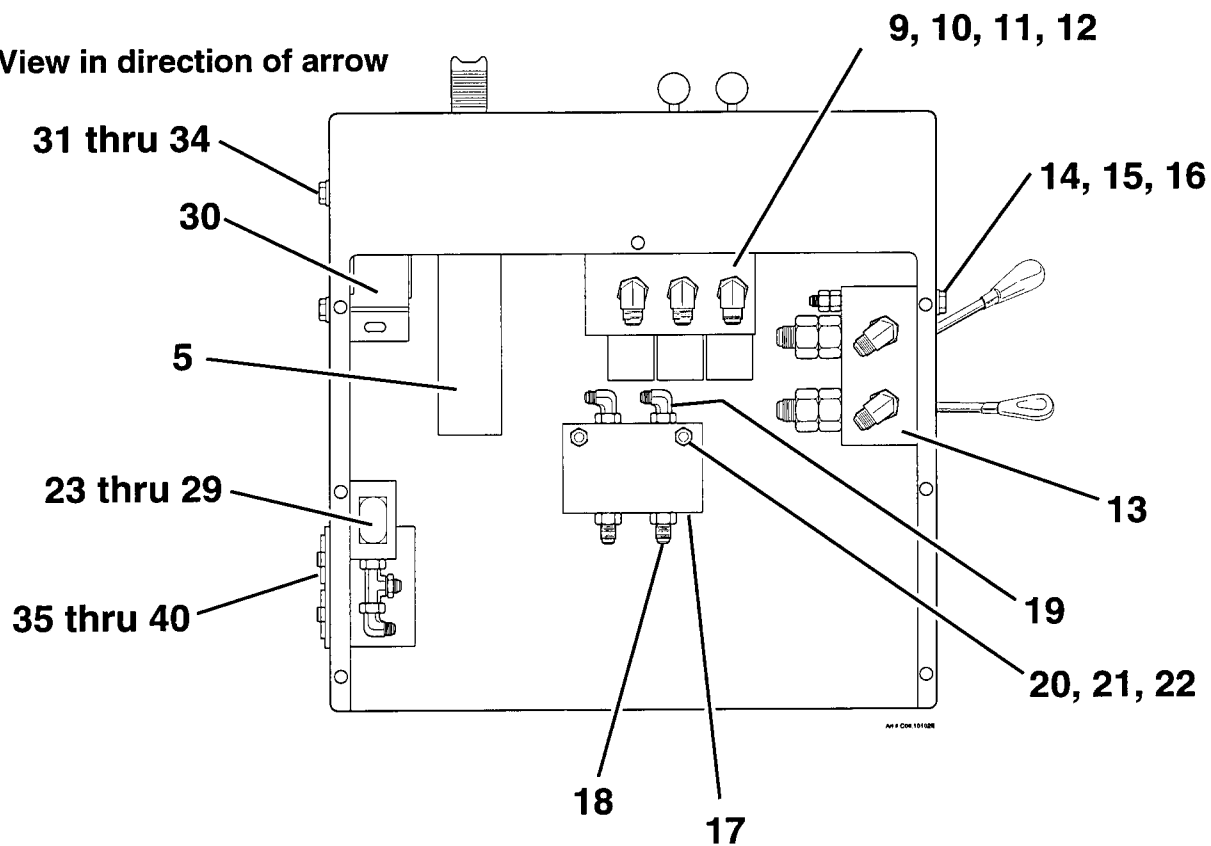
[illegible]

SIMON AERIALS INC.

REV. 15 SEP., 1995

PART
NO.

View in direction of arrow



TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 15 SEP., 1995

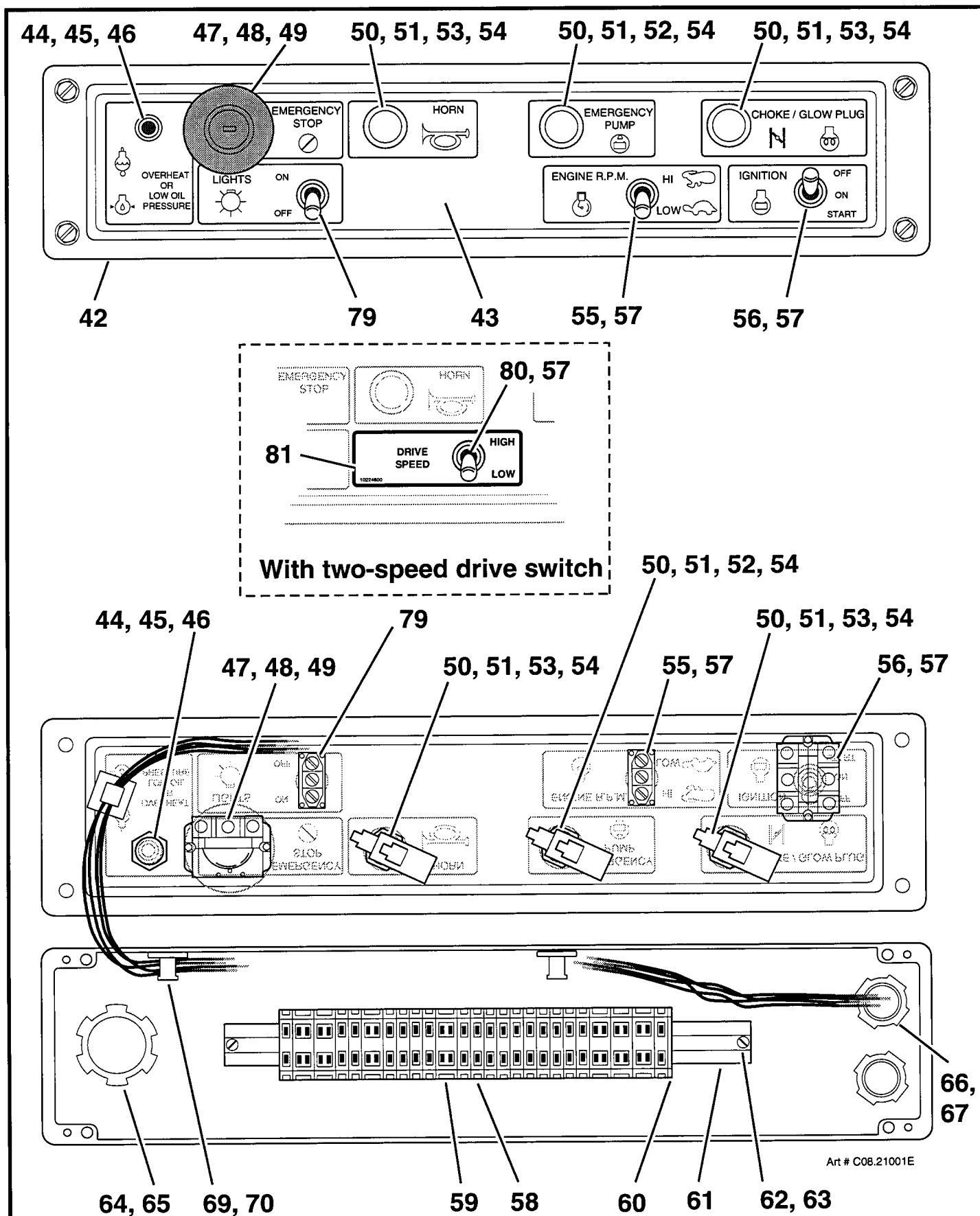
PART
NO.

PLATE
NO. C08.21

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
41	352 9460		BOX ASSEMBLY, PLATFORM ELECTRICAL Type 1 (Emergency Stop area is red with white lettering) Type 2 (Emergency Stop area is yellow with red lettering)	1
42	353 7250 354 4190		MP Series Special MP 70 application BOX, ELECTRICAL (Includes cover and screws)	1
	03-436400		Undrilled Drilled, for use with decal having Emergency Stop . . .	
	219 9360		with red background (Type 1) with yellow background (Type 2),	
	232 3810 235 2000		for MP Series for special MP 70 application	
43			DECAL, PLATFORM ELECTRICAL BOX Area surrounding Emergency Stop button has . . .	1
	10-145900		red background (Type 1).	
	10-222300		yellow background (Type 2).	
44			DIODE, BLINKING (Red L.E.D.) (Engine warning) for use with decal having having Emergency Stop . . .	1
	03-481200		with red background (Type 1).	
	03-706400		with yellow background (Type 2).	
45	03-481300		HOLDER, DIODE (used only with " Type 1 " diode)	1
46	03-481100		RESISTOR (470 Ohm) (used only with " Type 1 " diode)	1
47			BUTTON, EMERGENCY STOP Red and silver, "pull to release" type (Earlier style)	1
	03-496000		Red, "pull to release" type (Later style)	
48	03-702000		BASE, CONTACT BLOCK	1
49	03-454900		BLOCK, CONTACT (Normally closed)	1
	03-496300		Used with Button 10-496000 (Red and silver)	
	03-437300		Used with Button 10-702000 (Red)	
50	03-402500		SWITCH (10 Amp, 250 Volt AC)	A.R.
51	03-402600		SEAL, SWITCH BEZEL	A.R.
52	03-402700		BUTTON, SWITCH (Red) (Emergency Pump) or . . .	1
	03-402800		BUTTON, SWITCH (Blue) (Emergency Pump)	1
53	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	A.R.
54	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	A.R.
55	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
56	03-032600		SWITCH, TOGGLE (Engine start) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
57	03-506200		SEAL, TOGGLE SWITCH (option)	A.R.

TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 3 OF 4)



TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 3 OF 4)

SIMON AERIALS INC.

REV. 15 SEP., 1995

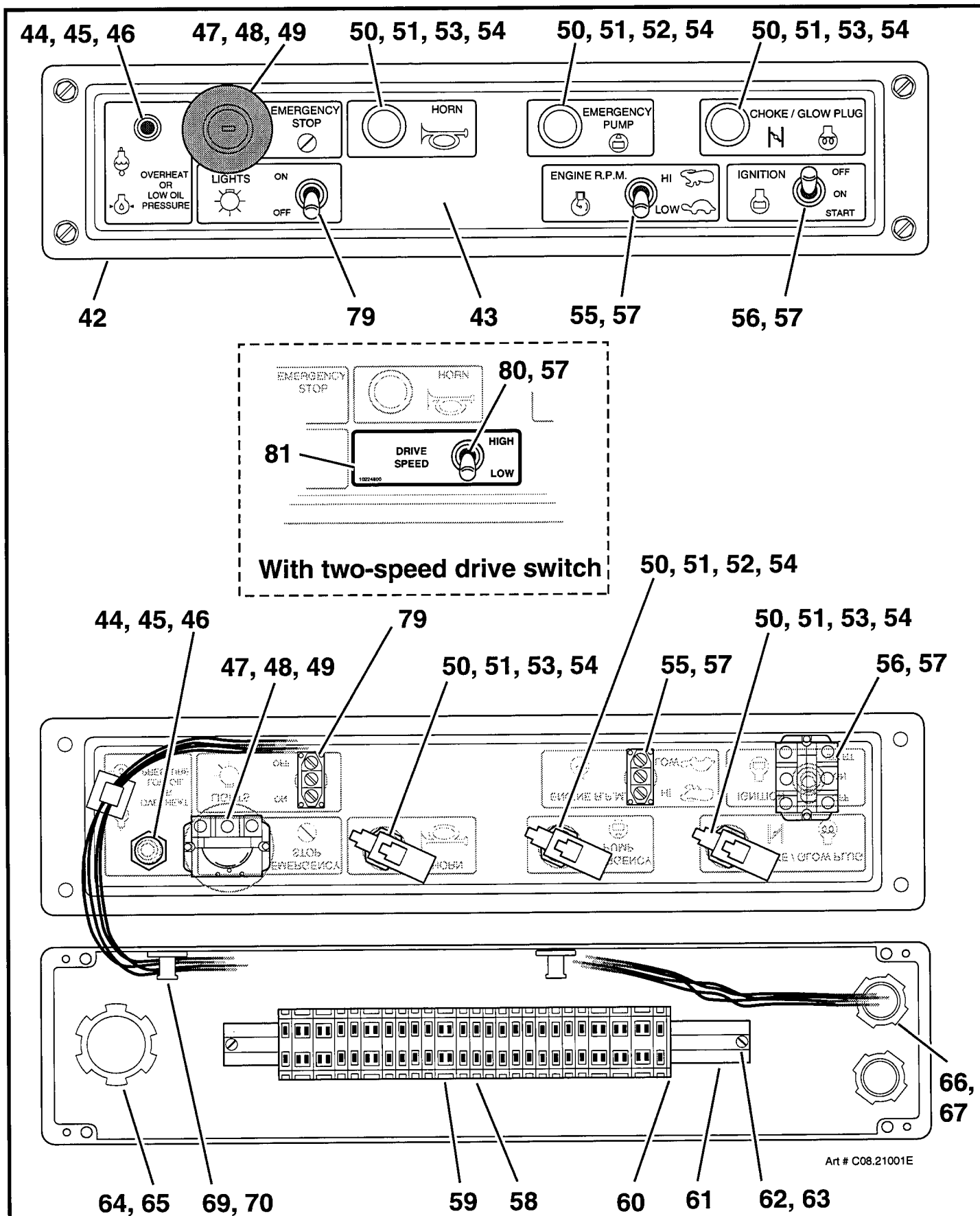
PART
NO.

PLATE
NO. C08.21

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
58	03-036400		BOX ASSEMBLY, PLATFORM ELECTRICAL (continued)	
59	03-036500		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	A.R.
60	03-036700		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	A.R.
61	03-036600		PLATE, TERMINAL BLOCK END	1
62			RAIL, TERMINAL (1 M [39.37"] long section)	
			(9" [229 mm] long piece needed for this application)	1
62			MACHINE SCREW,	2
	07-011334		ROUND HEAD (#6-32 x 3/4", Grade 2) or . . .	
	07-011344		PAN HEAD (#8-32 x 3/4", Grade 2)	
63	07-050007		NUT, STOP (#6-32, Grade 5) or . . .	2
	07-050009		NUT, STOP (#8-32, Grade 5)	2
64	03-063200		GRIP, CORD (3/4", sealing)	1
65	03-055600		NUT, CONDUIT LOCK (3/4")	1
66	03-041700		GRIP, CORD (3/8", with .31" to .38" seal) or . . .	2
	03-045500		GRIP, CORD (1/2", with .38" to .50" seal)	2
67	03-055700		NUT, CONDUIT LOCK (3/8") or . . .	2
	03-055500		NUT, CONDUIT LOCK (1/2")	2
68	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	2
69	03-064000		TIE, CABLE (6-3/4" [171 mm] long)	20
70	03-064100		MOUNT, CABLE TIE (Adhesive backed)	5
71	03-091200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	9
72	03-092200		COUPLING, MALE (insulated, #14-#16 AWG)	A.R.
73	03-092300		COUPLING, FEMALE (insulated, #14-#16 AWG)	A.R.
74	03-099000		TERMINAL, BUTT (Blue, #14-#16 AWG)	A.R.
75	03-497900		PLUG, PLASTIC (1/2" dia., "Panel seal", to fill unused toggle switch holes)	A.R.
76			MACHINE SCREW,	2
	07-013414		ROUND HEAD (#10-32 x 1/2", Grade 2) or . . .	
	07-015003		FLAT HEAD (1/4"-20 x 3/4", Grade 5)	
77	07-050111		NUT, STOP (#10-32, Grade 5) (when #10 screw is used)	2
78	07-029365		SCREW, TEK (#12-14 x 1", bonded, sealing head)	2
79	03-020400		SWITCH, TOGGLE (for optional lights)	
			(2 position, maintained contact, single pole, single throw)	1
80	03-020400		SWITCH, TOGGLE (Drive speed) (Option)	
			(2 position, maintained contact, single pole, single throw)	1
81	10-224800		DECAL, "DRIVE SPEED . . ."	
			(for models with optional two-speed drive)	1

TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 4 OF 4)



TITLE PLATFORM CONSOLE ASSEMBLY, MP FULL HYDRAULIC (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 15 SEP., 1995

PART
NO.

PLATE
NO. **C08.21**

PARTS LIST

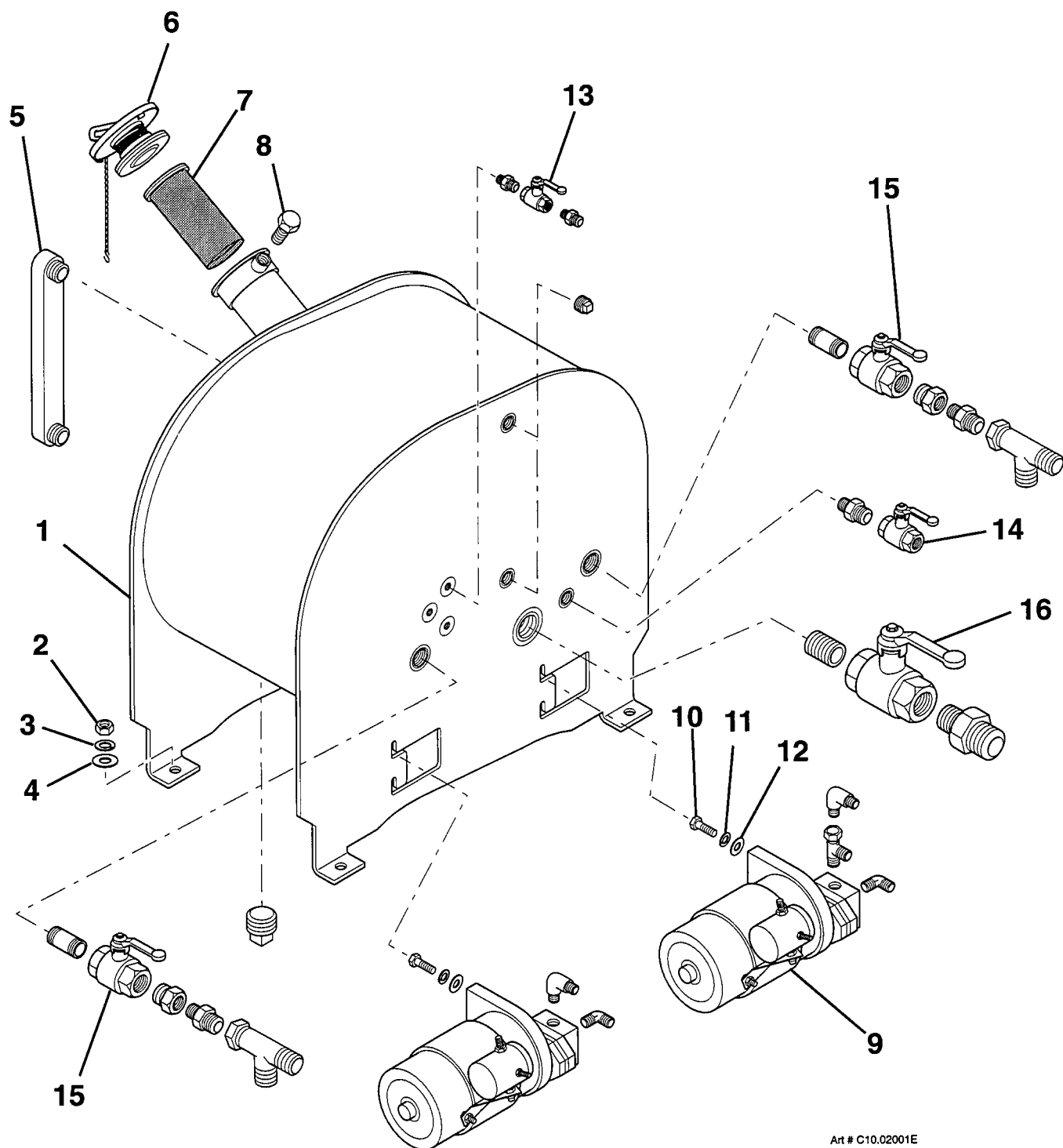
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	207 4845		TANK WELDMENT, HYDRAULIC [Capacity 55 gallons (208 liters)]	1
2	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
3	07-065018		WASHER, HELICAL LOCK (1/2")	4
4	07-062018		WASHER, FLAT (1/2")	4
5	10-033800	D12.05	GAUGE, SIGHT [14" (35.56 cm) long]	1
6	10-002100		CAP, HYDRAULIC TANK FILLER	1
7	10-001000		STRAINER ASSEMBLY	1
8	01-008200		PLUG, VENT (with 40 micron filter)	1
9	See Index	D07. - -	PUMP, EMERGENCY HYDRAULIC	A.R.
10	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
11	07-065016		WASHER, HELICAL LOCK (3/8")	4
12	07-062016		WASHER, FLAT (3/8")	4
13			VALVE, BALL (Shutoff valve) (1/4" NPT)	A.R.
14	01-002800		VALVE, BALL (Shutoff valve) (1/2" NPT)	A.R.
15	01-020600		VALVE, BALL (Shutoff valve) (3/4" NPT)	A.R.
16	01-068500		VALVE, BALL (Shutoff valve) (1" NPT)	A.R.
17	01-063000		VALVE, BALL (Shutoff valve) (1-1/2" NPT)	A.R.
18	01-018400		VALVE, BALL (Shutoff valve) (2" NPT)	A.R.
The following items may be found on a typical installation:				
19	01-226000		FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)	2
20	351 7060		HOSE ASSEMBLY	2
20a	03-466900		HEATER, TANK (120 Volt AC) (option, not shown)	1
21	11-075800		NIPPLE, PIPE (1-1/2" NPT, 3" long)	1
22			NIPPLE, PIPE (1-1/2" NPT, close)	1
23	11-020014		NIPPLE, PIPE (1" NPT, close)	1
24	11-020017		NIPPLE, PIPE (2" NPT, close)	1
25	11-203200		NIPPLE, PIPE (1/2" x 1-1/8")	1
26	11-071500		NIPPLE, PIPE (1-1/2" x 1-3/4", close)	1
27	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
28	06-001700		CONNECTOR, MALE (12-8 FTX-S)	1
29	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
30	06-002200		CONNECTOR, MALE (16 FTX-S)	1
31	06-079000		CONNECTOR, SWIVEL NUT (16 F65X-S)	1
32	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long)	1
33	11-061400		BUSHING, REDUCER (1-1/2" to 3/4" NPT)	1
34	11-061500		BUSHING, REDUCER (1-1/2" to 1" NPT)	1
35	11-061800		BUSHING, REDUCER (2" to 1-1/2" NPT)	1
36	11-061900		REDUCER, BELL (2" to 1/2" NPT)	1

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

PLATE NO. C10.02 **SIMON AERIALS INC.**

REV. 07 APR., 1995
(THIS SHEET ONLY)

PART NO.



Art # C10.02001E

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

SIMON AERIALS INC.

REV. 20 JUN., 1994

**PART
NO.**

**PLATE
NO.** C10.02

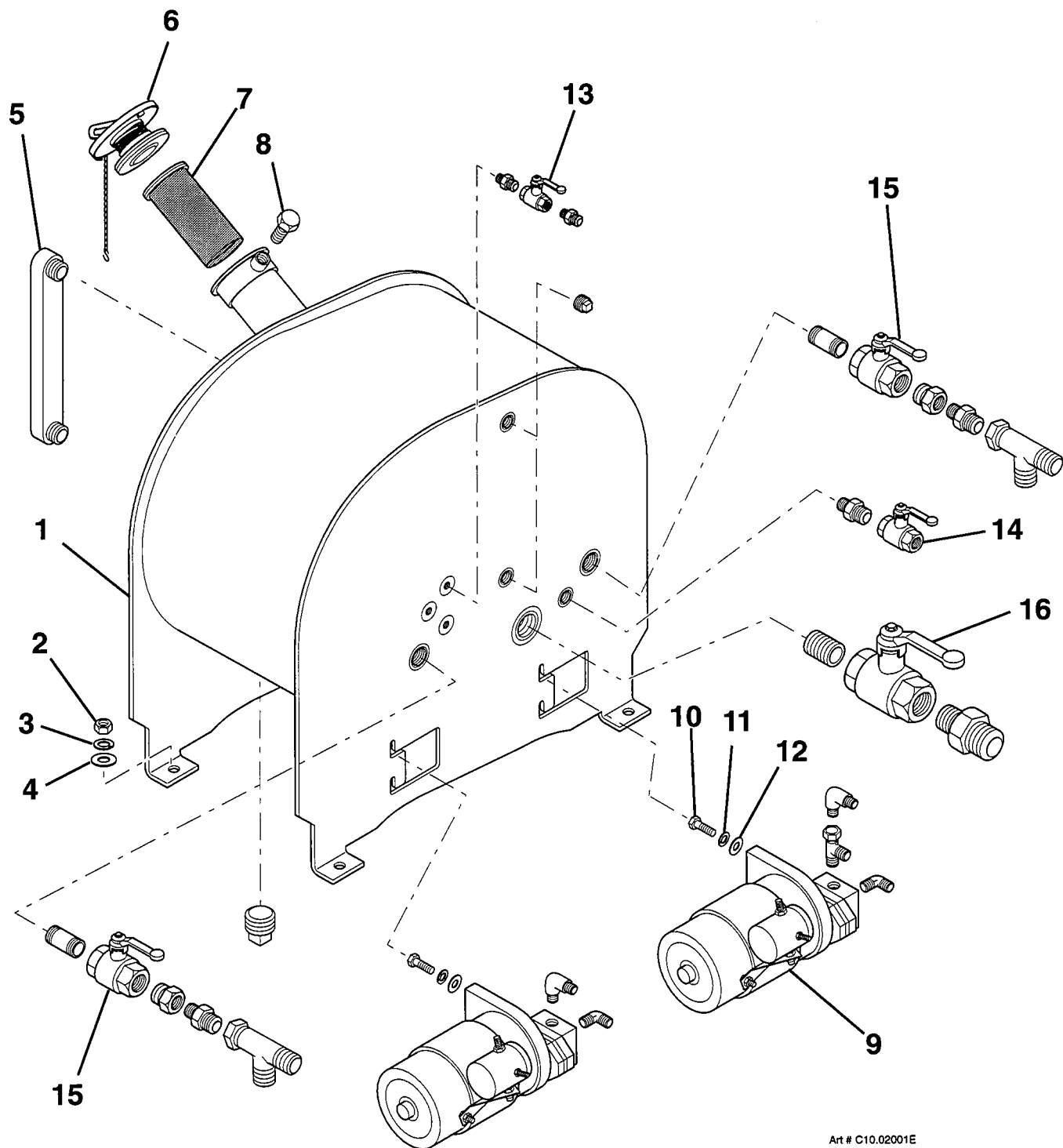
PARTS LIST

[illegible]

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

PLATE NO.	C10.02	SIMON AERIALS INC.	REV. 20 JUN., 1994	PART NO.
-----------	--------	--------------------	--------------------	----------

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



Art # C10.02001E

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

SIMON AERIALS INC.

REV. 20 JUN., 1994

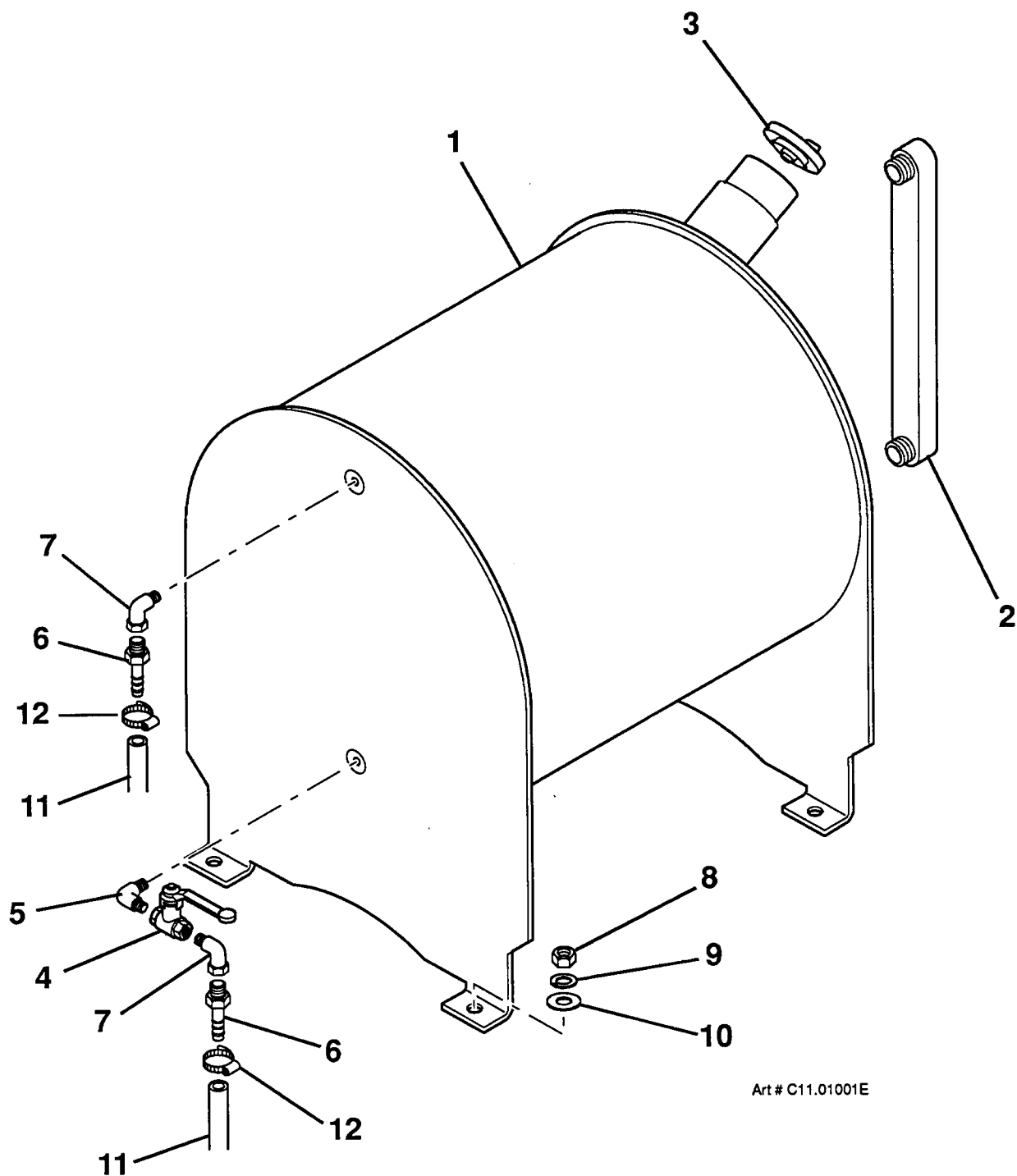
PART
NO.

PLATE
NO. C10.02

[illegible]

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

PART
NO.



Art# C11.01001E

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

SIMON AERIALS INC.

NEW 04/23/91

PART
NO.

PLATE
NO. C11.01

PARTS LIST

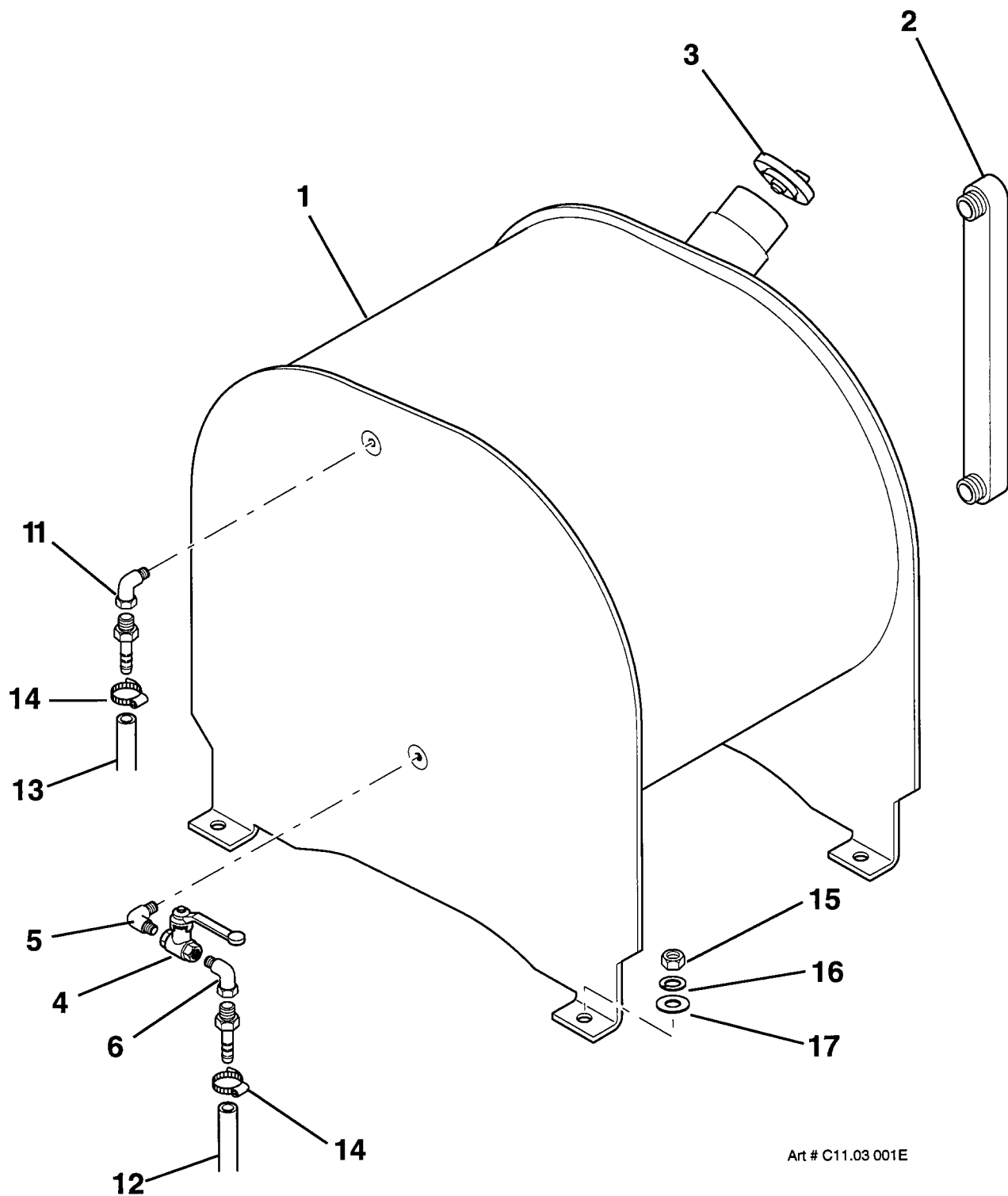
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	No part no. 3505184		TANK ASSEMBLY, FUEL (for MPH 80, MPE 95, MPE 110) TANK ASSEMBLY, FUEL (for MP 80N only) [Capacity 57 gallons (216 liters) to top of sight gauge]	1
1	2089359		TANK WELDMENT, FUEL (MPH 80, MPE 95, MPE 110) Note: overall height of tank is 32.25" (81.91 cm).	1
	2074887		TANK WELDMENT, FUEL (for MP 80N only) Note: overall height of tank is 33.5" (85.09 cm).	1
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		90° ELBOW, MALE PIPE THREAD (1/4 CR-S)	1
6	06-080200		90° STREET ELBOW (1/4 CD-S)	1
7	11-050401		FITTING, HOSE (Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
8	11-050403		FITTING, HOSE (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
9	11-050405		FITTING, HOSE (Brass, barbed, 1/8" I.D. hose, 1/8" male NPT thread)	1
10	11-050200		BUSHING, REDUCER (1/4" male to 1/8" female)	1
11	11-075400		PLUG, SQUARE HEAD (1/4" NPT)	1
			(except Diesel engine)	1
	06-080200		90° STREET ELBOW (1/4 CD-S) (for Diesels)	1
			The items listed below are not part of Fuel Tank Assembly:	
12			HOSE, FUEL FEED (5/16" I.D.)	A.R.
13			HOSE, FUEL RETURN (1/4" I.D.)	A.R.
14	09-004600		CLAMP, HOSE (Worm type, 1/4" to 5/8")	2
15	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
16	07-065018		WASHER, LOCK (1/2")	4
17	07-062018		WASHER, FLAT (1/2")	4

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

PLATE NO. C11.03 **SIMON AERIALS INC.**

REV. 20 JUN., 1994

PART NO.



Art # C11.03 001E

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

SIMON AERIALS INC.

REV. 20 JUN., 1994

PART
NO.

PLATE
NO. C11.03

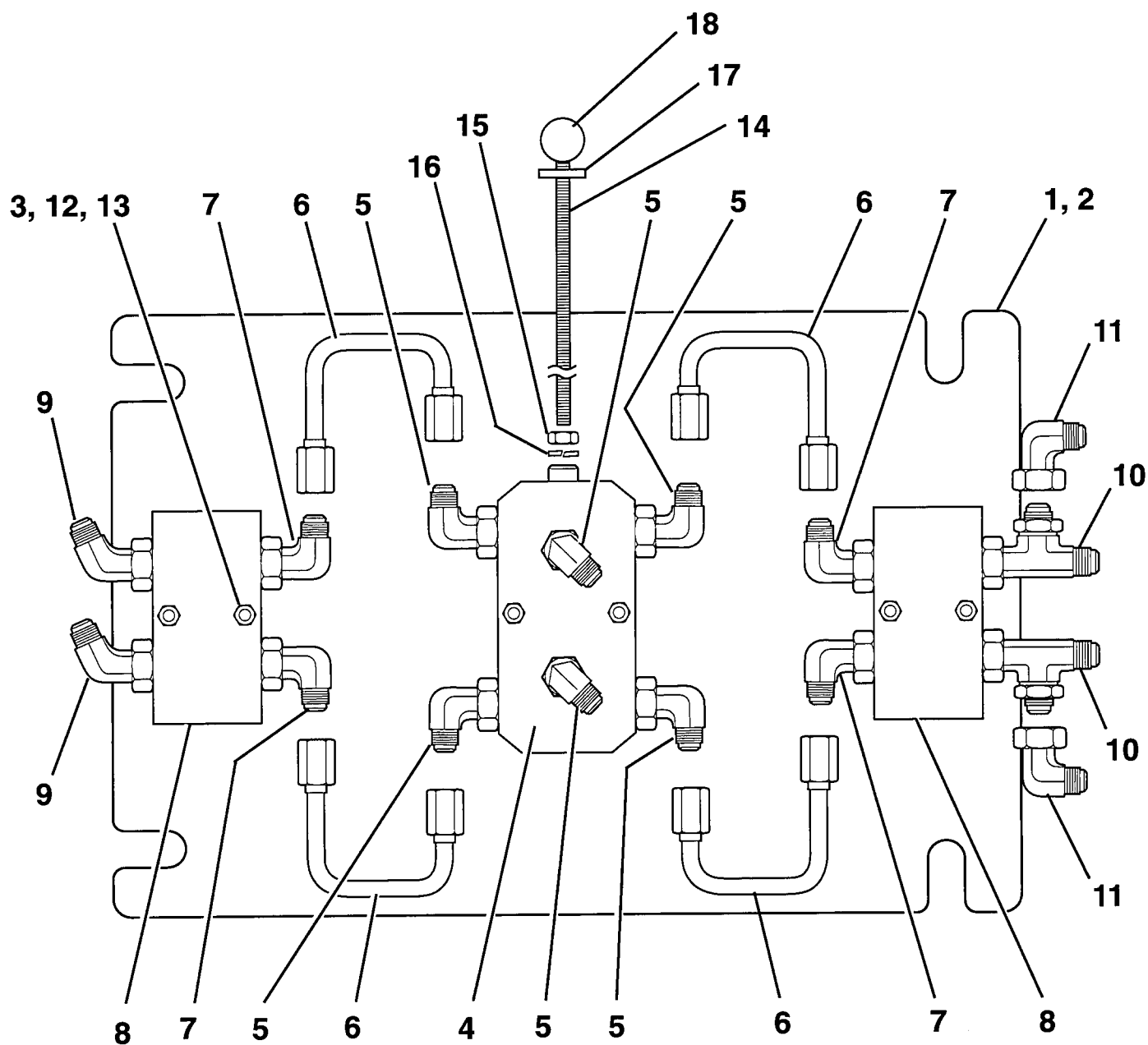
PARTS LIST

[illegible]

TITLE STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP (EXTENDABLE AXLE)

PLATE NO.	C12.01	SIMON AERIALS INC.	REV. 16 JUN., 1994	PART NO.	3516830
-----------	--------	--------------------	--------------------	----------	---------

PART NO. 3516830



Art # C12.01001E

TITLE STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP (EXTENDABLE AXLE)

SIMON AERIALS INC.

REV. 16 JUN., 1994

PART
NO.

3516830

PLATE
NO.

C12.01

PARTS LIST

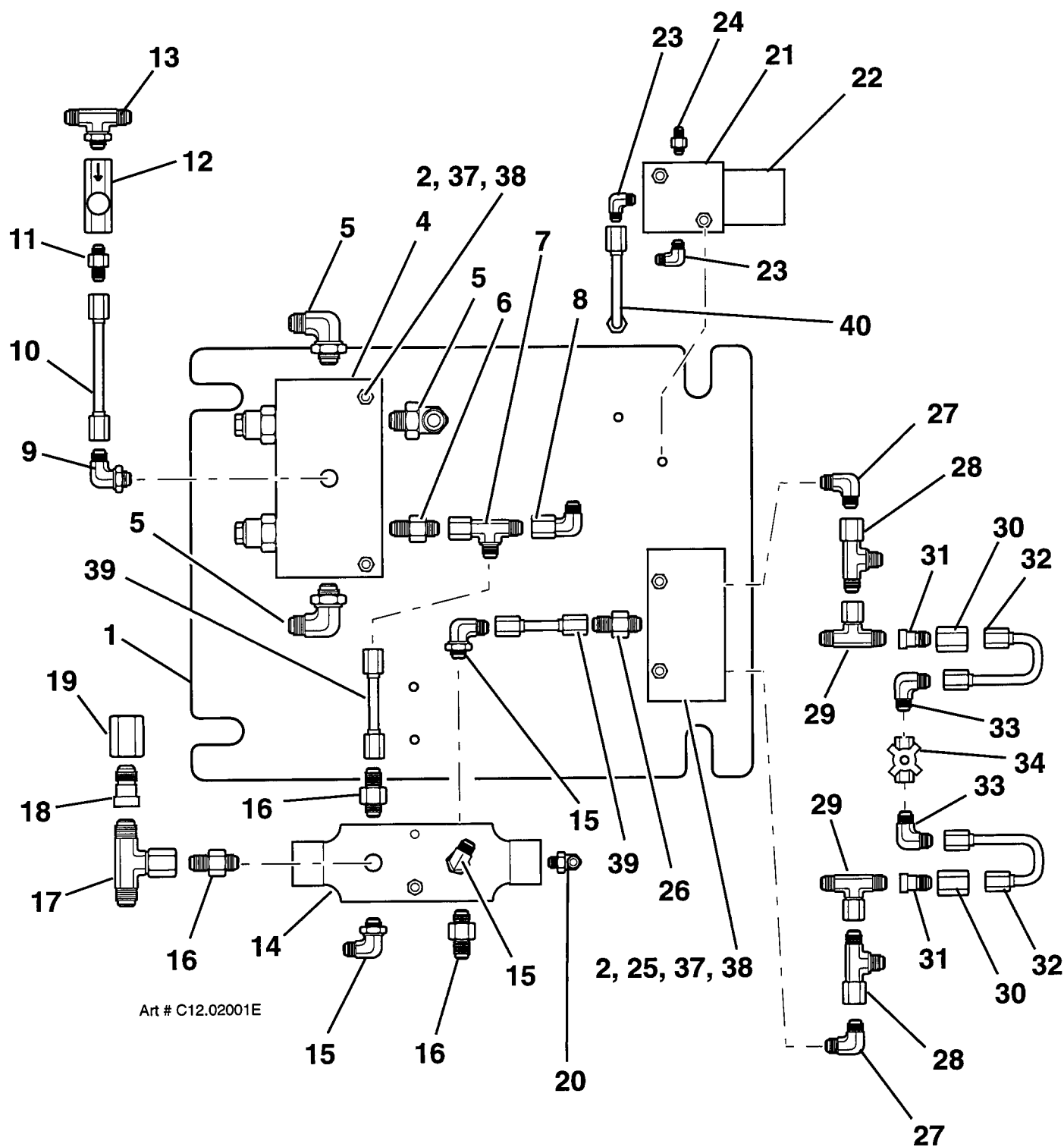
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2027520		PLATE, VALVE MOUNTING	1
2	07-031018		STUD, WELDING (Threaded, 3/8"-16 x 3")	3
3	07-031021		STUD, WELDING (Threaded, 1/4"-20 x 2")	2
4			VALVE, MOTION CONTROL (10:1 pilot ratio)	
	01-013100		"CBGHL D NYKM" [2,000 PSI (138 bar) (141 Kg/ cm ²)]	1
	01-225900		"CBGHL C NYKM" [3,000 PSI (207 bar) (211 Kg/ cm ²)]	1
5	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	3
6	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	1
7	06-021300		TEE, UNION (12 JTX-S)	1
8	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
9	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
10	3507867		TUBE ASSEMBLY	1
11	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
12	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	1
13	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	1
14	01-062000		VALVE, SELECTOR (pilot operated, #12 Ports)	1
15	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	3
16	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	3
17	06-056300		BRANCH TEE, 37° SWIVEL NUT (12 S6X-S)	1
18	06-057800		NUT, TUBE (12 BTX-S)	1
19	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	1
20	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S) (option)	1
	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) (option)	1
21	01-037100		VALVE, SOLENOID (Three way) (2 speed valve)	1
22	01-037198		COIL, SOLENOID (12 Volt DC)	1
23	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
24	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1

TITLE DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, WITHOUT 2 SPEED)

PLATE NO. **C12.02** **SIMON AERIALS INC.**

REV. 17 JUN., 1994

PART NO.



TITLE DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, WITHOUT 2 SPEED)

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.

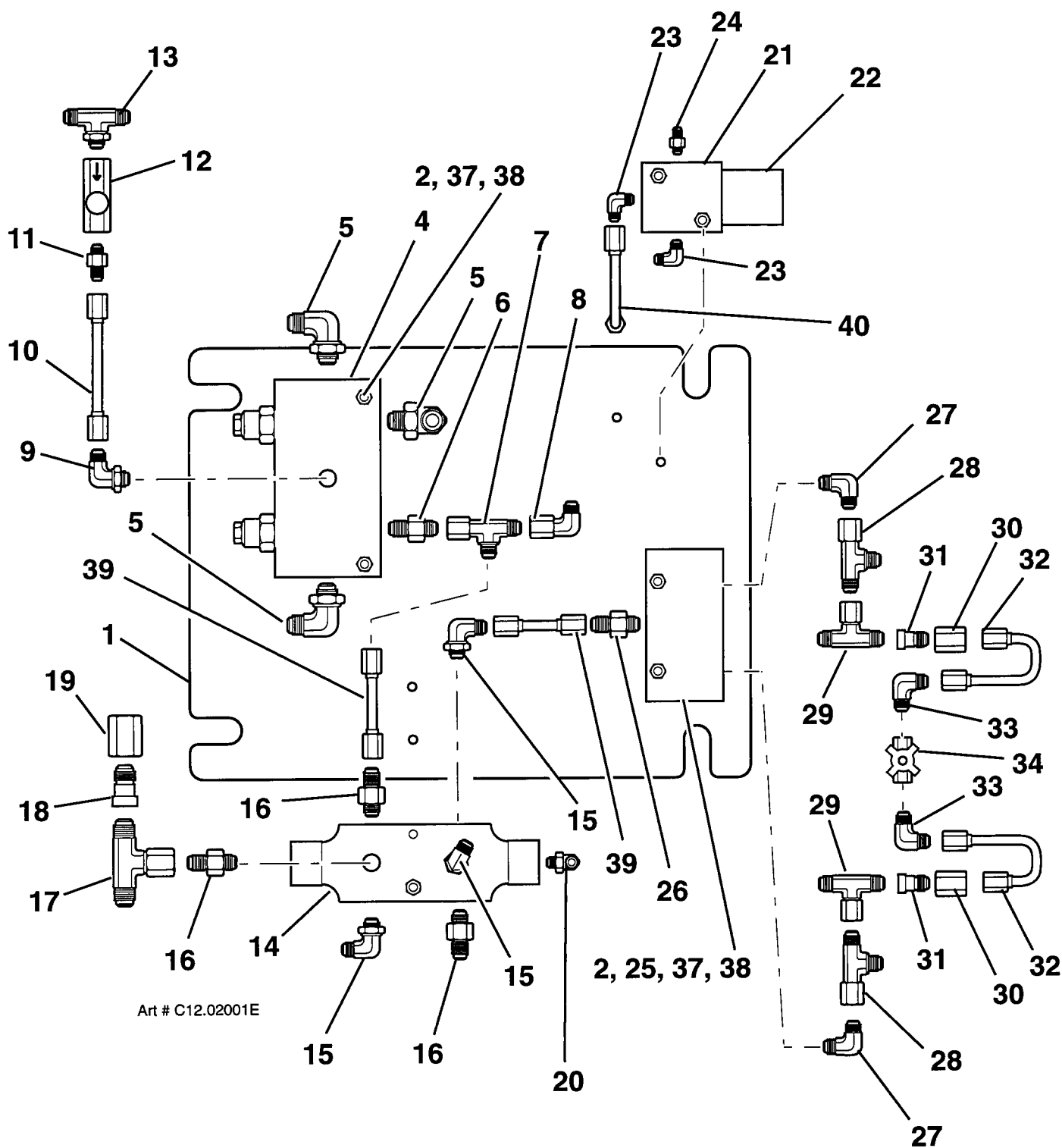
PLATE
NO. C12.02

[illegible]

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.



TITLE DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, WITHOUT 2 SPEED)

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.

PLATE
NO. C12.02

PARTS LIST

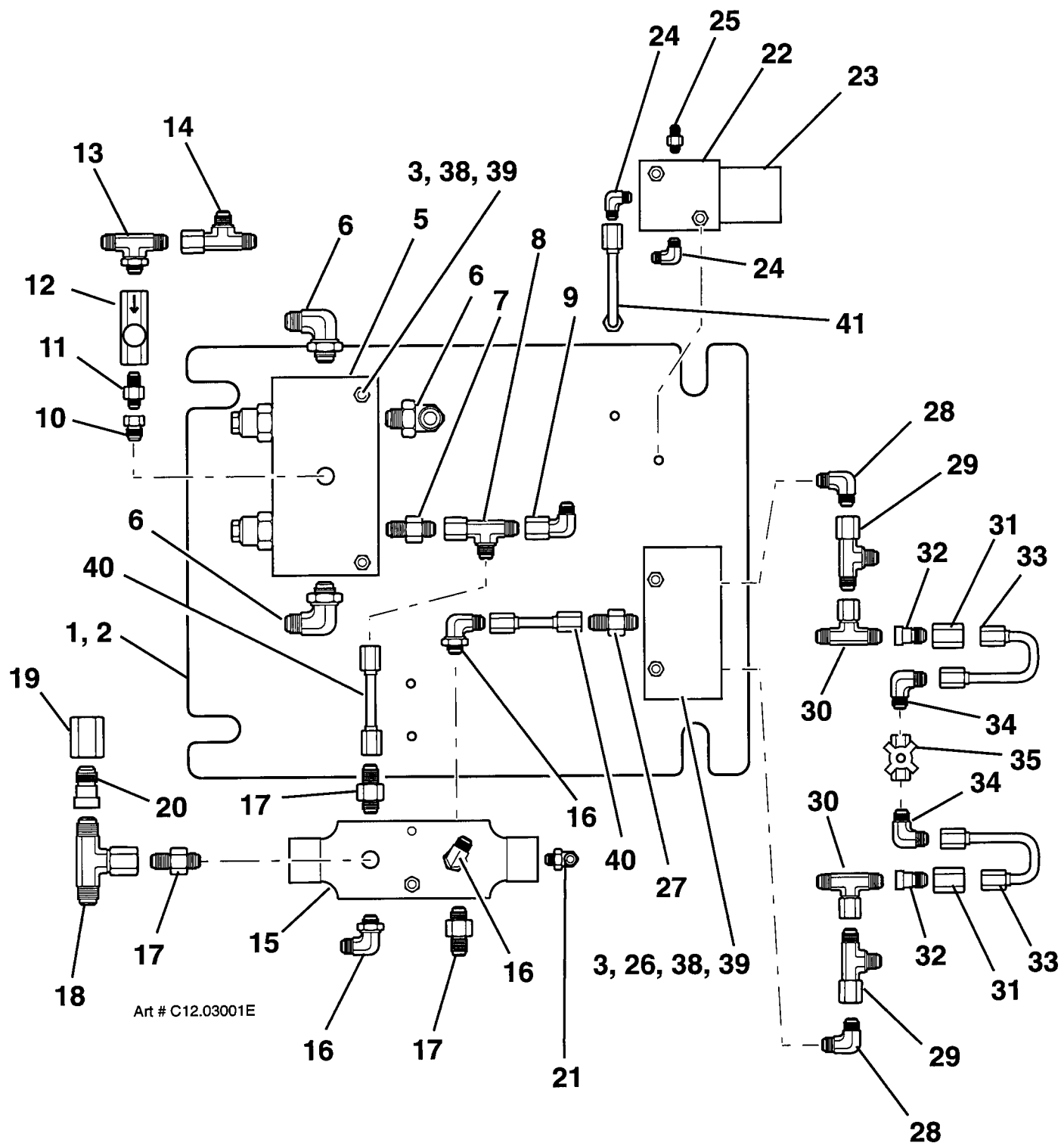
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3516820		VALVE ASSEMBLY, DRIVE	1
2	2027520		PLATE, VALVE MOUNTING	1
3	07-031018		STUD, WELDING (Threaded, 3/8"-16 x 3")	3
4	07-031021		STUD, WELDING (Threaded, 1/4"-20 x 2")	2
5	01-013100		VALVE, MOTION CONTROL (10:1 pilot ratio) "CBGHL <u>D</u> NYKM" [2,000 PSI (138 bar) (141 Kg/ cm ²)]	1
	01-225900		"CBGHL <u>C</u> NYKM" [3,000 PSI (207 bar) (211 Kg/ cm ²)]	1
6	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	3
7	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	1
8	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
9	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
10	06-090200		REDUCER/ EXPANDER (4-6 F50 G5-S)	1
11	06-096100		UNION (6 F50 F50-S)	1
12	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	1
13	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	1
14	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
15	01-062000		VALVE, SELECTOR (pilot operated, #12 Ports)	1
16	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	3
17	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	3
18	06-056300		BRANCH TEE, 37° SWIVEL NUT (12 S6X-S)	1
19	06-057800		NUT, TUBE (12 BTX-S)	1
20	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	1
21	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
22	01-037100		VALVE, SOLENOID (Three way) (2 speed valve)	1
23	01-037198		COIL, SOLENOID (12 Volt DC)	1
24	06-003800		90° ELBOW, MALE 37° TO NPT(6 CTX-S)	2
25	06-000700		CONNECTOR, MALE (6 FTX-S)	1
26	01-018300		VALVE, FLOW DIVIDER	1
27	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
28	06-004900		90° ELBOW, MALE 37° TO NPT (12 CTX-S)	2
29	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
30	06-056300		BRANCH TEE, 37° SWIVEL NUT (12 S6X-S)	2
31	06-057800		NUT, TUBE (12 BTX-S)	2
32	06-060800		REDUCER, TUBE END (12-6 TRTX-S)	2
33	3508835		TUBE ASSEMBLY	2
34	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	2
35	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1
36	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
37	07-062015		WASHER, FLAT (5/16")	2
38	07-050016		NUT, LOCK (3/8"-16, Grade 5)	3
39	07-062016		WASHER, FLAT (3/8")	3
40	3507665		TUBE ASSEMBLY	2
41	3508206		TUBE ASSEMBLY	1

TITLE DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, 2 SPEED)

PLATE NO. C12.03 **SIMON AERIALS INC.**

REV. 17 JUN., 1994

PART NO.



TITLE DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, 2 SPEED)

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.

PLATE
NO. C12.03

PARTS LIST

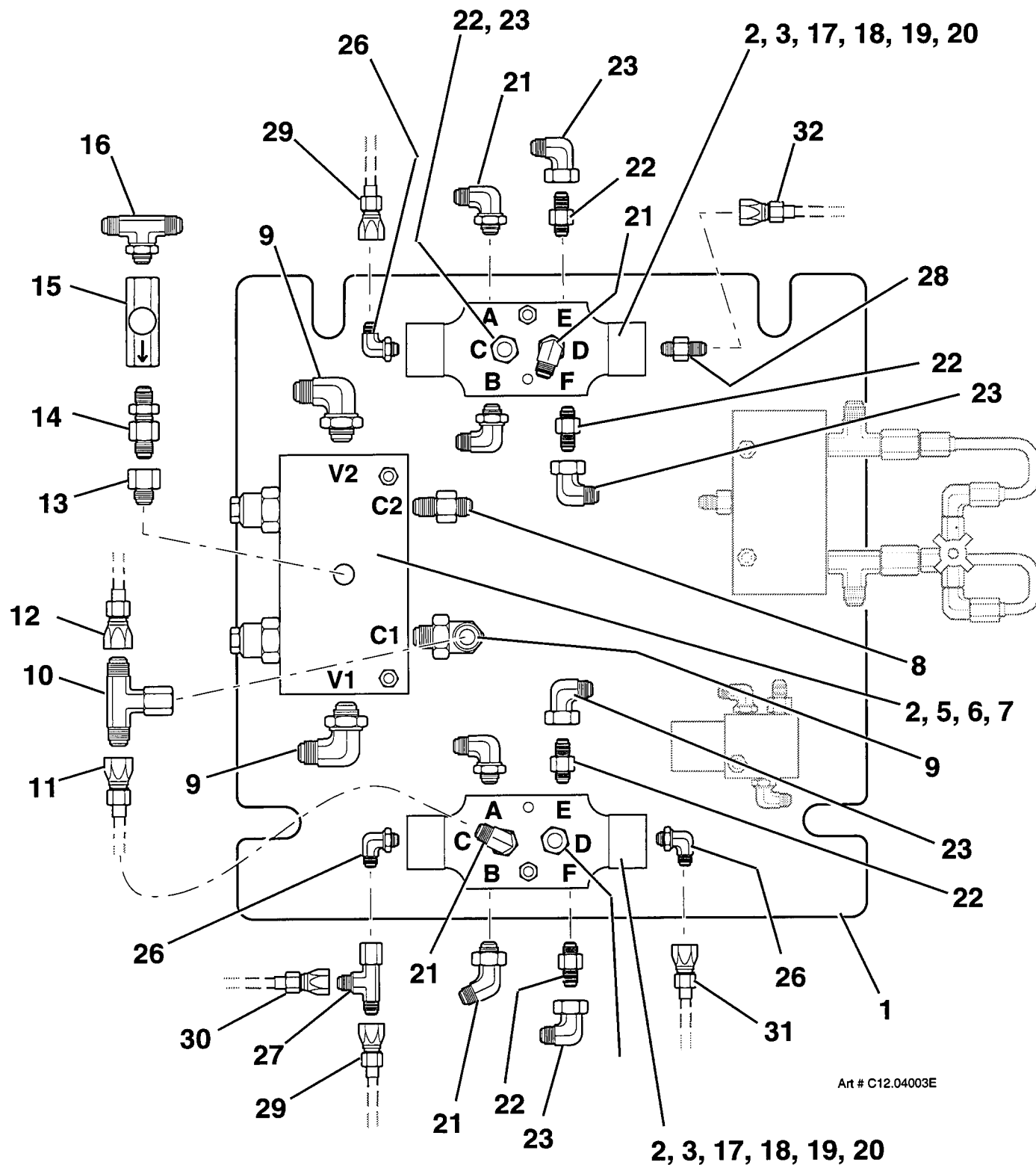
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 2680 354 4500		VALVE ASSEMBLY, DRIVE First type Second type	1
1	202 7520		PLATE, VALVE MOUNTING	1
2	07-031018		STUD, WELDING (Threaded, 3/8"-16 x 3")	8
3	07-031008		STUD, WELDING (Threaded, 5/16"-18 x 2-1/2") (for " first type " assembly)	2
4	07-031021		STUD, WELDING (Threaded, 1/4"-20 x 2")	2
5	01-013100 01-225900		VALVE, MOTION CONTROL 10:1 pilot ratio (for " first type " assembly) Pressure differential (for " second type " assembly)	1
6	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
7	07-062016		WASHER, FLAT (3/8")	2
8	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S)	1
9	06-045600		90° ELBOW, "O"-RING TO 37° (12-16 C5OX-S)	3
10	06-056300		BRANCH TEE, 37° FEMALE SWIVEL NUT (12 S6X-S)	1
11	354 4510		TUBE ASSEMBLY (for " second type " assembly) (short tube, from tee to Port " C " of one selector valve)	1
12	354 4520		TUBE ASSEMBLY (for " second type " assembly) (long tube, from tee to Port " D " of other selector valve)	1
13	06-090200		REDUCER/ EXPANDER (4-6 F5O G5-S)	1
14	06-096100		UNION (6 F5O F50-S)	1
15	01-018900		VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)	1
16	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5O X-S)	1
17	01-018100		VALVE, HI/ LO SPEED DRIVE SELECTOR for " first type " assembly (can be identified by either a red paint spot or a stamped "4" on the housing)	2
	01-230500		for " second type " assembly (can be identified by a part number " 129256 " stamped on one end cap)	
18	01-018101		SEAL KIT, SELECTOR VALVE (for " first type " valve)	1
	Call Simon		SEAL KIT, SELECTOR VALVE (for " second type ")	1
19	07-050015		NUT, LOCK (5/16"-18, Grade 5) (for " first type " valve)	2
	07-050016		NUT, LOCK (3/8"-16, Grade 5) (for " second type " valve)	4
20	07-062015		WASHER, FLAT (5/16") (for " first type " valve)	2
	07-062016		WASHER, FLAT (3/8") (for " second type " valve)	4
21	06-045400		90° ELBOW, "O"-RING TO 37° (12 C5OX-S)	6
	06-047400		45° ELBOW, "O"-RING TO 37° (12 V5OX-S) (optional)	A.R.
22	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	6
23	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	4
24	354 4540		TUBE ASSEMBLY (for " second type " assembly) (from Port " C " of one selector valve to flow divider)	1

TITLE DRIVE VALVE ASSEMBLY, MPH 80, MP 95, MP 110 (4 WHEEL DRIVE)

PLATE NO. C12.04 **SIMON AERIALS INC.**

REV. 23 SEP., 1995

PART NO.



TITLE DRIVE VALVE ASSEMBLY, MPH 80, MP 95, MP 110 (4 WHEEL DRIVE)

SIMON AERIALS INC.

REV. 23 SEP., 1995

**PART
NO.**

**PLATE
NO.** C12.04

PARTS LIST

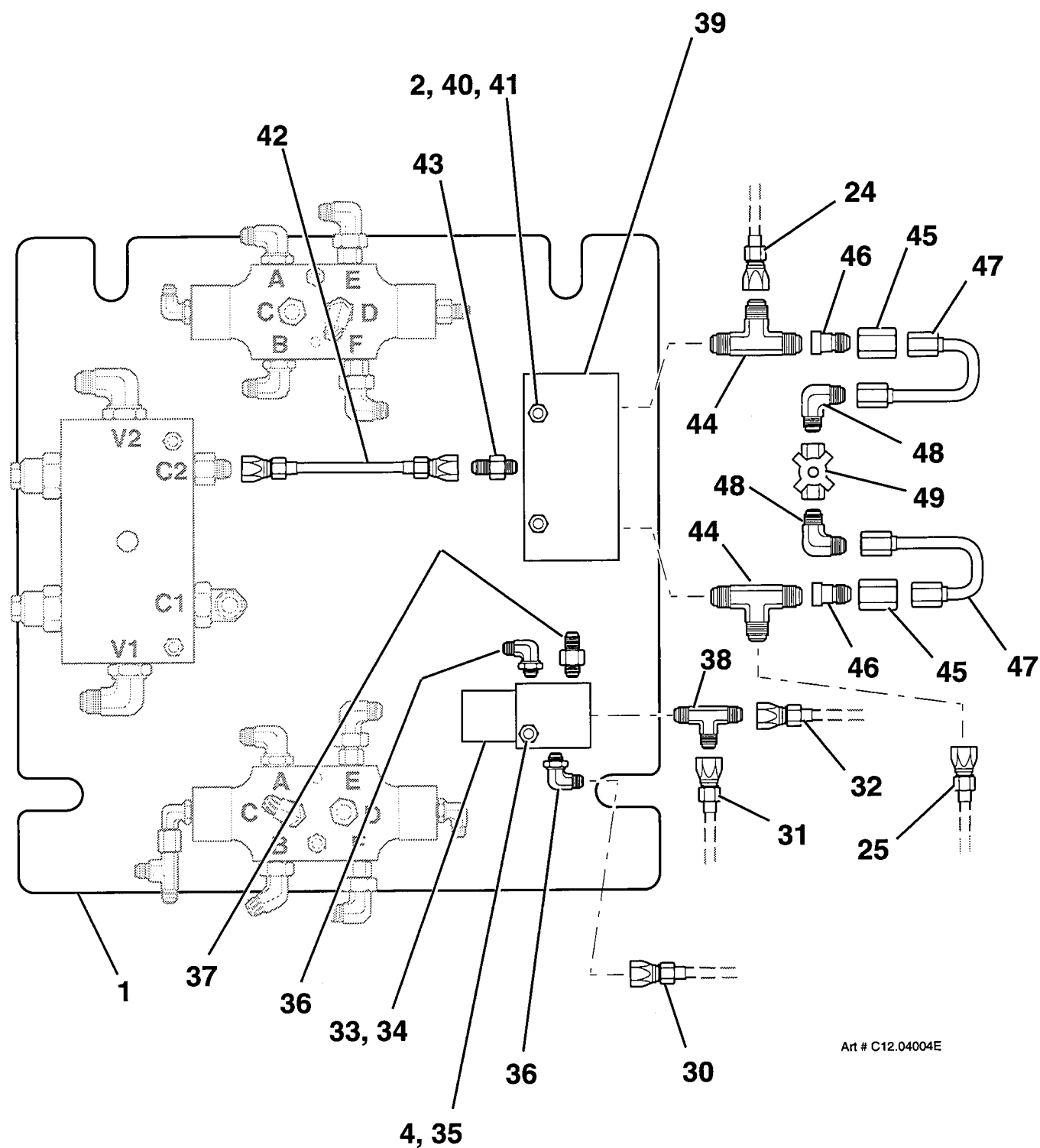
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	354 4550		TUBE ASSEMBLY (for "second type" assembly) (from Port "D" of other selector valve to flow divider)	1
26	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C5OX-S)	
			for "first type" assembly	1
			for "second type" assembly	3
27	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	
			(for "second type" assembly)	1
28	06-191900		CONNECTOR, STRAIGHT THREAD (6-4 F5OX-S)	1
29	354 4590		TUBE ASSEMBLY (for "second type" assembly)	
			(selector valve to selector valve)	1
30	354 4580		TUBE ASSEMBLY (for "second type" assembly) (selector valve tee to solenoid valve elbow)	1
31	354 4570		TUBE ASSEMBLY (for "second type" assembly) (selector valve elbow to solenoid valve tee)	1
32	354 4560		TUBE ASSEMBLY (for "second type" assembly) (selector valve connector to solenoid valve tee)	1
33			VALVE, SOLENOID (2 speed valve)	1
	01-037100		Three way valve (for "first type" assembly)	
	01-230400		Four way valve (for "second type" assembly)	
34	01-037198		COIL, SOLENOID (12 Volt DC) (for "first type" valve)	1
	Call Simon		COIL, SOLENOID (12 Volt DC) (for "second type" valve)	1
35	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
36			90° ELBOW, MALE	2
	06-003800		37° TO NPT (6 CTX-S) (for "first type" valve)	
	06-044600		"O"-RING TO 37° (6 C5OX-S) (for "second type" valve)	
37	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S) ("second type")	1
38			RUN TEE, MALE	1
	06-012000		37° TO NPT (6 RTX-S) (for "first type" valve)	
	06-048500		"O"-RING TO 37° (6 R5OX-S) (for "second type" valve)	
39	01-018300		VALVE, FLOW DIVIDER	1
40	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
41	07-062016		WASHER, FLAT (3/8")	2
42	354 4530		TUBE ASSEMBLY (for "second type" assembly) (Port "C2" of motion control valve to flow divider)	1
43	06-002000		CONNECTOR, MALE (12-16 FTX)	1
44	06-012300		RUN TEE, MALE (12 RTX)	2
45	06-057800		NUT, TUBE (12 BTX)	2
46	06-060800		REDUCER, TUBE END (12-6 TRTX)	2
47	350 8835		TUBE ASSEMBLY	2
48	06-003800		ELBOW, MALE (6 CTX)	2
49	01-034800		VALVE, GLOBE (1/4" NPT Female thread, both ends)	1

TITLE DRIVE VALVE ASSEMBLY, MPH 80, MP 95, MP 110 (4 WHEEL DRIVE)

PLATE NO. C12.04 **SIMON AERIALS INC.**

REV. 23 SEP., 1995

PART NO.



TITLE DRIVE VALVE ASSEMBLY, MPH 80, MP 95, MP 110 (4 WHEEL DRIVE)

SIMON AERIALS INC.

REV. 23 SEP., 1995

PART
NO.

PLATE
NO. C12.04

PARTS LIST

[illegible]

TITLE

STEER CYLINDER

PLATE
NO.

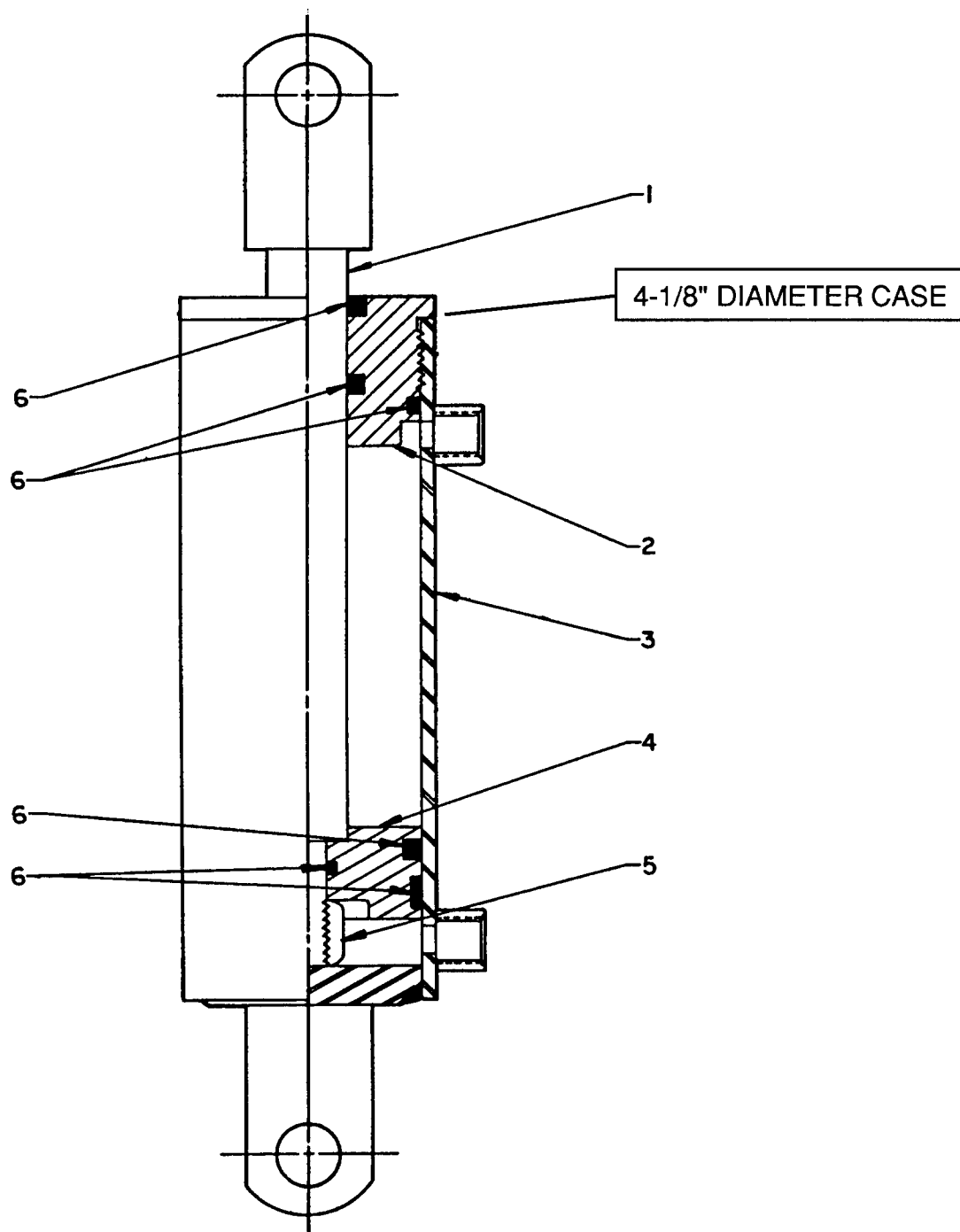
D01.01

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

04-008900



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 08/01/90

PART
NO.

04-008900

PLATE
NO.

D01.01

PARTS LIST

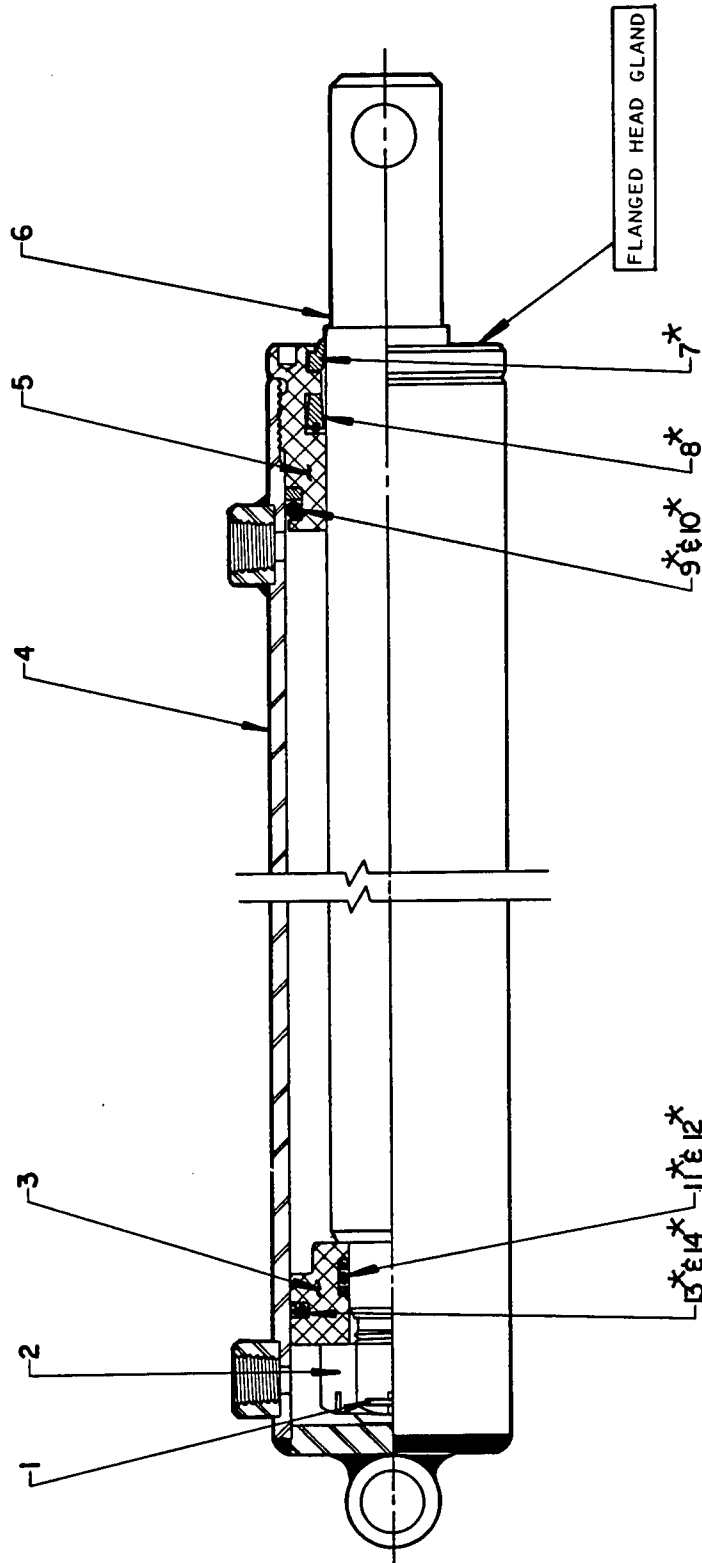
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-000601		COTTER KEY	1
2			PISTON NUT	1
3			PISTON	1
4			CASE	1
5			HEAD GLAND	1
6			ROD	1
7*			WIPER	1
8*			ROD SEAL	1
9*			'O' RING	1
10*	04-000501		BACK-UP RING	1
11*			'O' RING	1
12*			BACK-UP RING	2
13*			'O' RING	1
14*			PISTON SEAL	1
*			SEAL KIT	1

DESCRIPTION

LIFT CYLINDER

PART NO.

04-004000



NOTE:
*SEAL KIT P/N 04-000501

0585 / 0879

DESCRIPTION

STEER CYLINDER

PART NO.

04-004000

PARTS LIST

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

TITLE

STEER CYLINDER

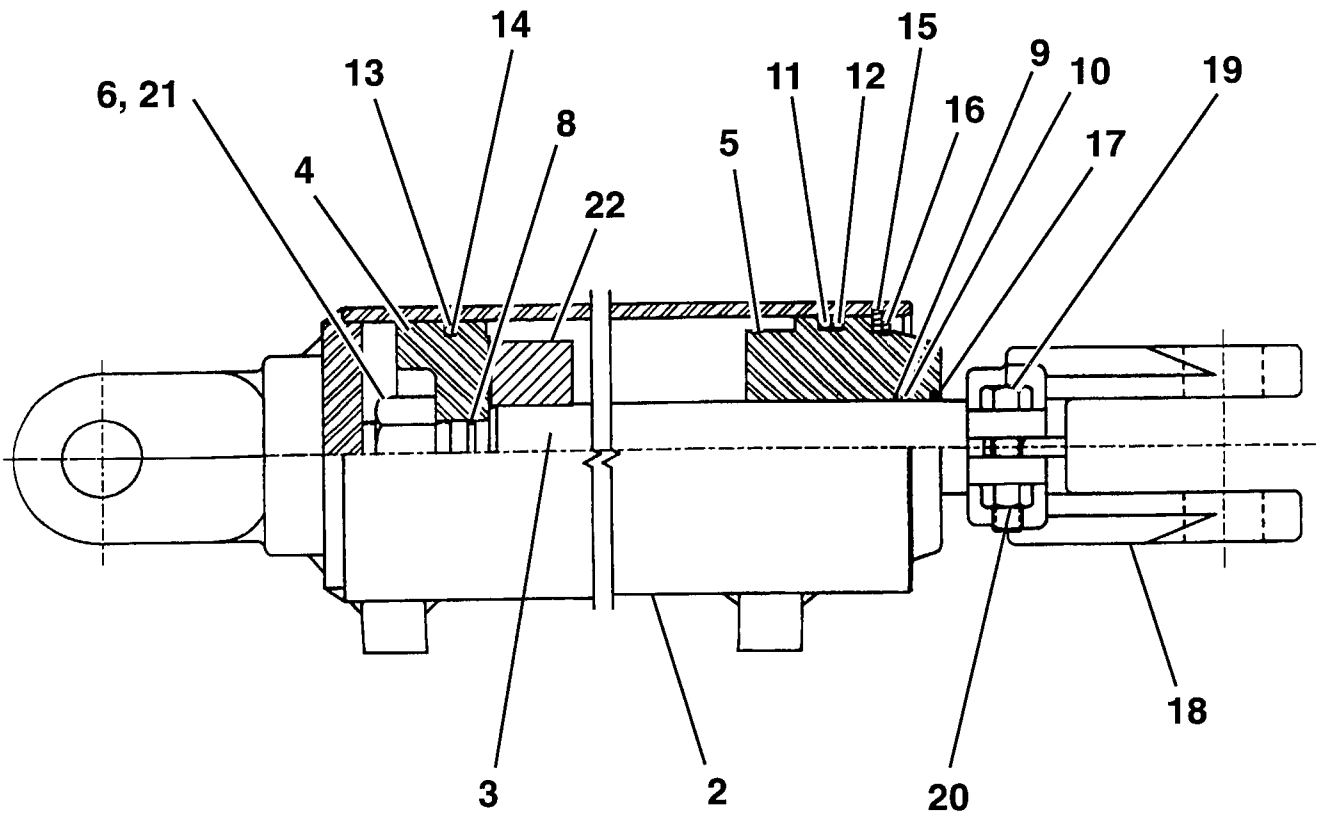
PLATE
NO.

D01.10

SIMON AERIALS INC.

REV. 13 MAY, 1994

PART
NO.



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 13 MAY, 1994

PART
NO.

PLATE
NO.

D01.10

PARTS LIST

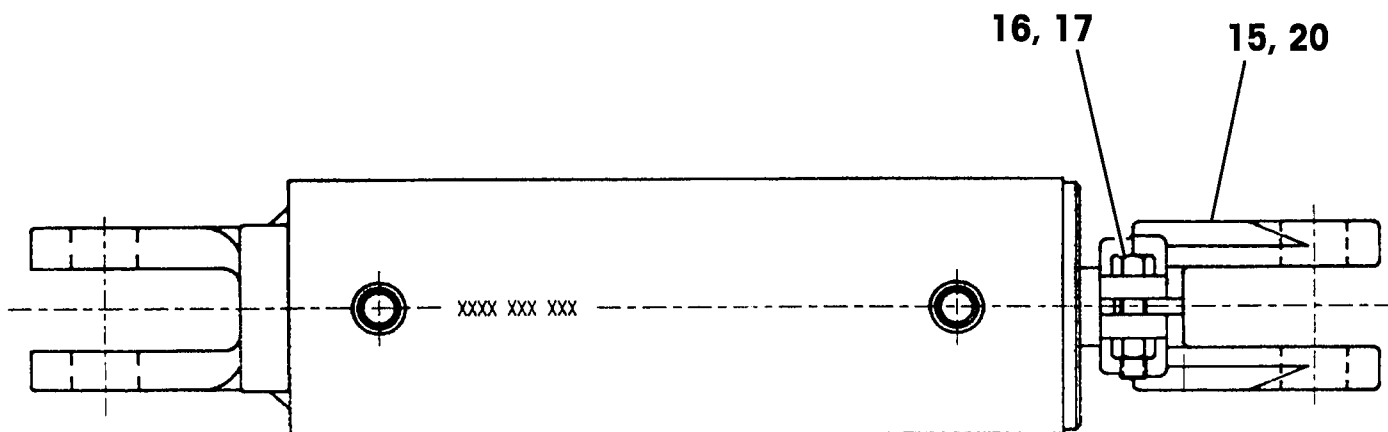
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			STEER CYLINDER ASSEMBLY (7-1/2" [190 mm] stroke, 3-1/2" [89 mm] bore, 1-1/4" [31.8 mm] rod, [2] 9/16"-18 UNF "O"-Ring ports).	
	04-035300		Standard cylinder, for all models except as listed below.	1
	232 8190		Modified cylinder (drilled for "L" shaped keeper pins), for models MPH 80, MP 95, MP 110 after Jan., 1994.	1
	217 4010		Modified cylinder (with spacers installed), for models MPH 60, MP 60Z, MP 70 or MP 80, and all four wheel drive versions.	1
2			BODY, CYLINDER	1
3	04-035302		ROD, CYLINDER	1
4	04-035303		PISTON	1
5			GUIDE, PISTON ROD	1
6	04-035304		NUT, LOCK (7/8"-14) (replaced by item 18 for some models)	1
7	04-035301		SEAL KIT	1
8			SEAL, "O"-RING (3/4" [19 mm] I.D.)	1
9			SEAL, "DURA-PAK" (3-1/2" [89 mm] O.D.)	1
10			SEAL, "U" CUP (1-1/4" [32 mm] I.D.)	1
11			RING, WIPER (1-1/4" [32 mm] I.D.)	1
12			SEAL, "O"-RING (3-1/2" [89 mm] O.D.)	1
13			RING, BACKUP	1
14			RING, RETAINING (Round)	1
15	04-035305		CLEVIS, ROD (without hole for keeper pin) (replaced by item 20 for some models)	1
16	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	1
17	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
			The following items are required on certain units (see above):	
18	217 1710		SPACER, BASE (replaces lock nut, item 6) (1-3/16" [30 mm] long) for cylinder assembly 217 4010	1
19	217 1730		SPACER, ROD (.19" [4.8 mm] thick) for cylinder assembly 217 4010	1
20	No part #		CLEVIS, ROD (04-035305 drilled for keeper pin, for cylinder 232 8190. Please specify modified clevis required.)	1

TITLE

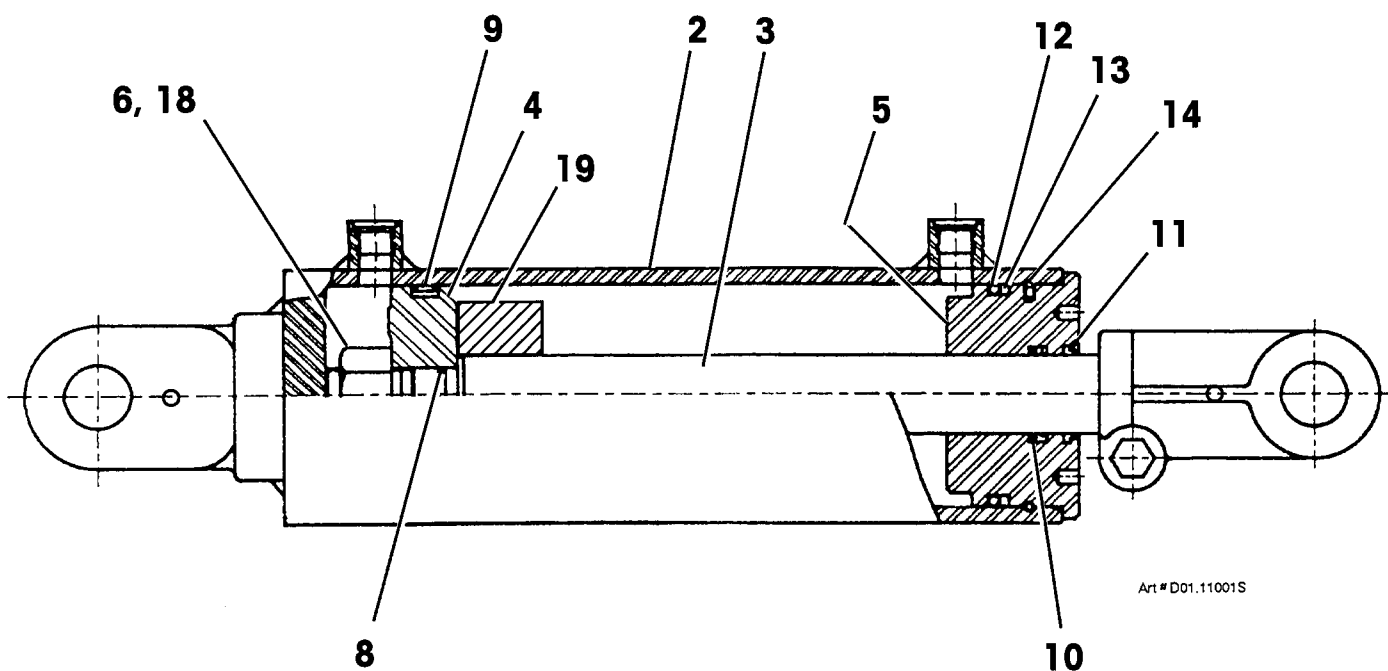
STEER CYLINDER

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

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



Art # D01.11002S



Art # D01.11001S

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

TITLE

STEER CYLINDER

PART
NO.

REV.
-

DATED
15 JUN, 1994

SECTION

D01.

PLATE NO.

11

PAGE

01

PARTS LIST

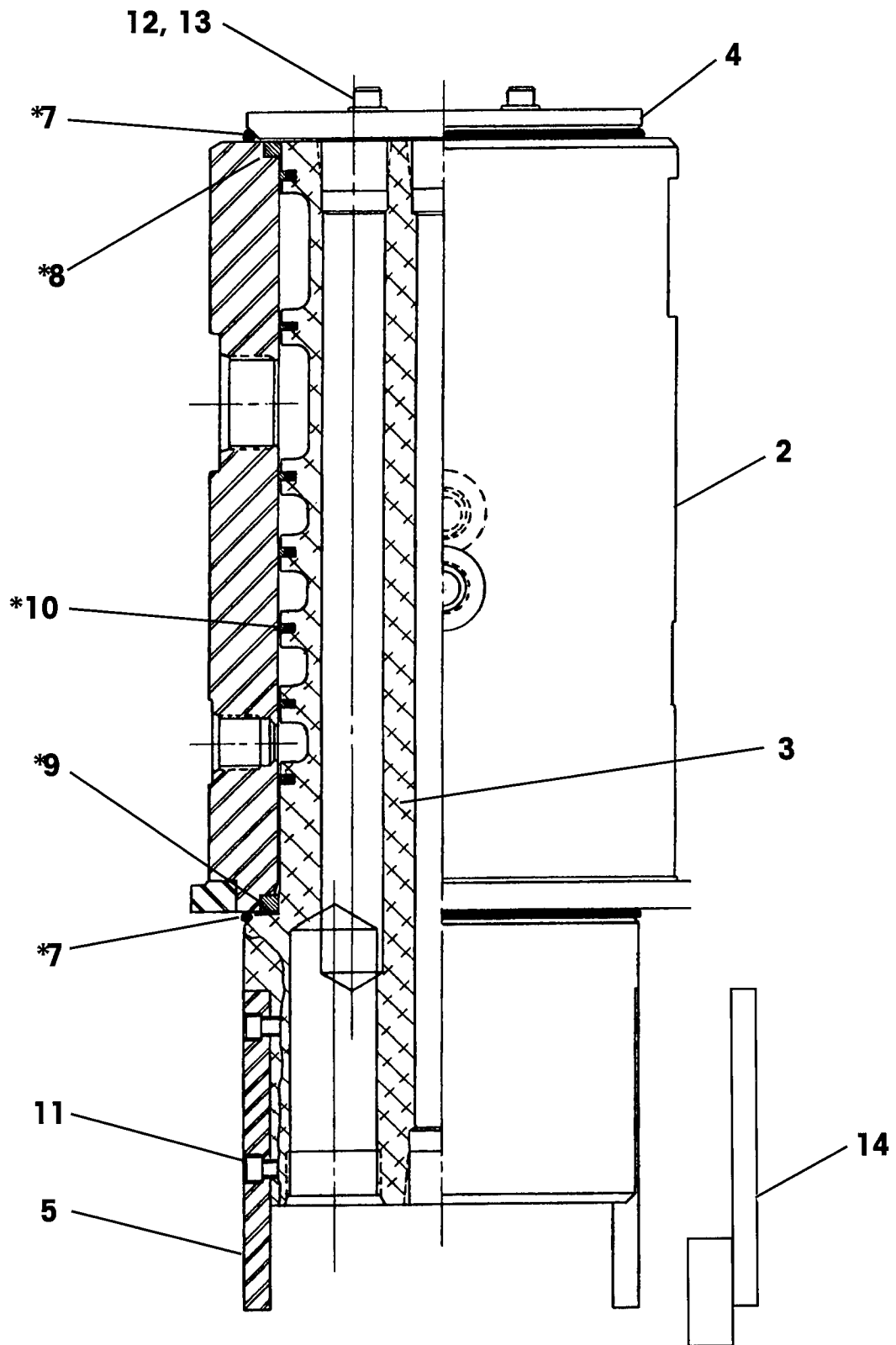
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-008700 235 1600		HYDRAULIC SWIVEL For all versions except as listed below For Model RP 86	1
2			HOUSING, HYDRAULIC SWIVEL	1
3			SPOOL	1
4			RETAINER PLATE	1
5	04-008703 236 0930		ARM, TORQUE Standard 8" (203 mm) long arm for Swivel 04-008700 4" (102 mm)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

TITLE

HYDRAULIC SWIVEL

SECTION **D02.** PLATE NO. **01** PAGE **01** REV. **-** DATED 22 APR., 1996 PART NO.

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



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



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

TITLE

HYDRAULIC SWIVEL

PART
NO.

REV.

DATED

22 APR., 1996

SECTION

D02.

PLATE NO.

01

PAGE

01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	04-001601		SEAL KIT, HYDRAULIC SWIVEL (Upper) (includes all items indicated by asterisk[*])	
1	04-001607		POST, CENTER	1
2			CAP, END	1
3	04-001603		TUBE, SPACER	1
4	04-001606		SPACER	1
5	04-001605		WASHER, THRUST (Nylon)	1
6			BODY, SWIVEL	1
7		*	"O"-RING (for end positions)	2
8		*	SEAL, SLIPPER	5
9		*	"O"-RING (for center positions)	3
10		*	"O"-RING (for end cap)	1
11			CAP, END	1
12	04-001604		RING, RETAINING	1
13	04-001602		SWIVEL ASSEMBLY, AUXILIARY	1
14			POST, CENTER	1
15			BODY, SWIVEL	1
16			CAP, END	2
17			RING, RETAINING	1
18			SPACER	2
19			RING, BACKUP	2
20			RING, RETAINING	4
21			RING, BACKUP	2
22			"O"-RING	2
23			SEAL, SLIPPER	2
24			"O"-RING	1

TITLE HYDRAULIC SWIVEL

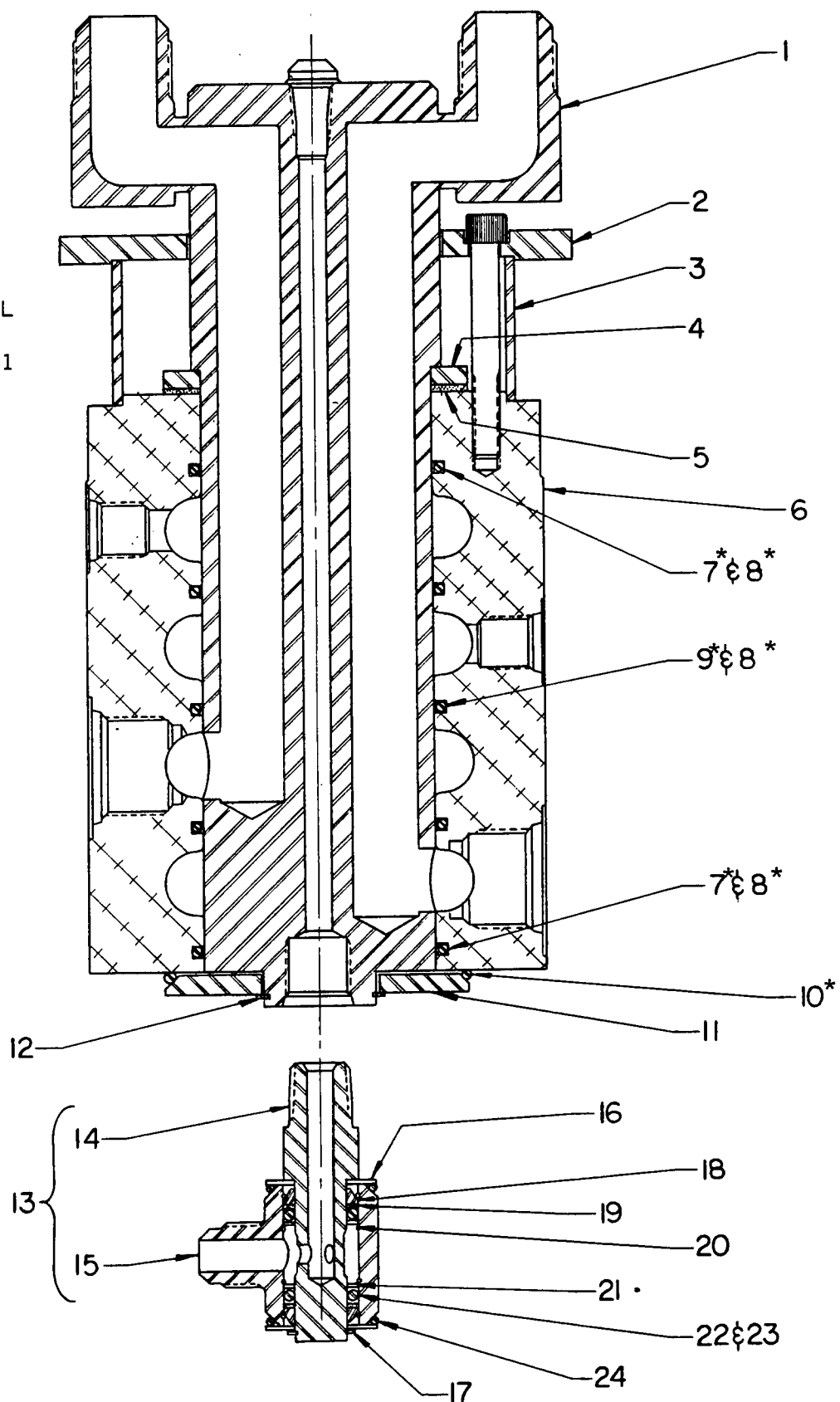
PLATE NO. D02.02 SIMON AERIALS INC.

REV. 24 AUG., 1994
THIS SHEET ONLY

PART NO. 04-001600

NOTE:

* UPPER SWIVEL
SEAL KIT
P/N 04-001601



1183/0677

DESCRIPTION

HYDRAULIC SWIVEL

PART NO.

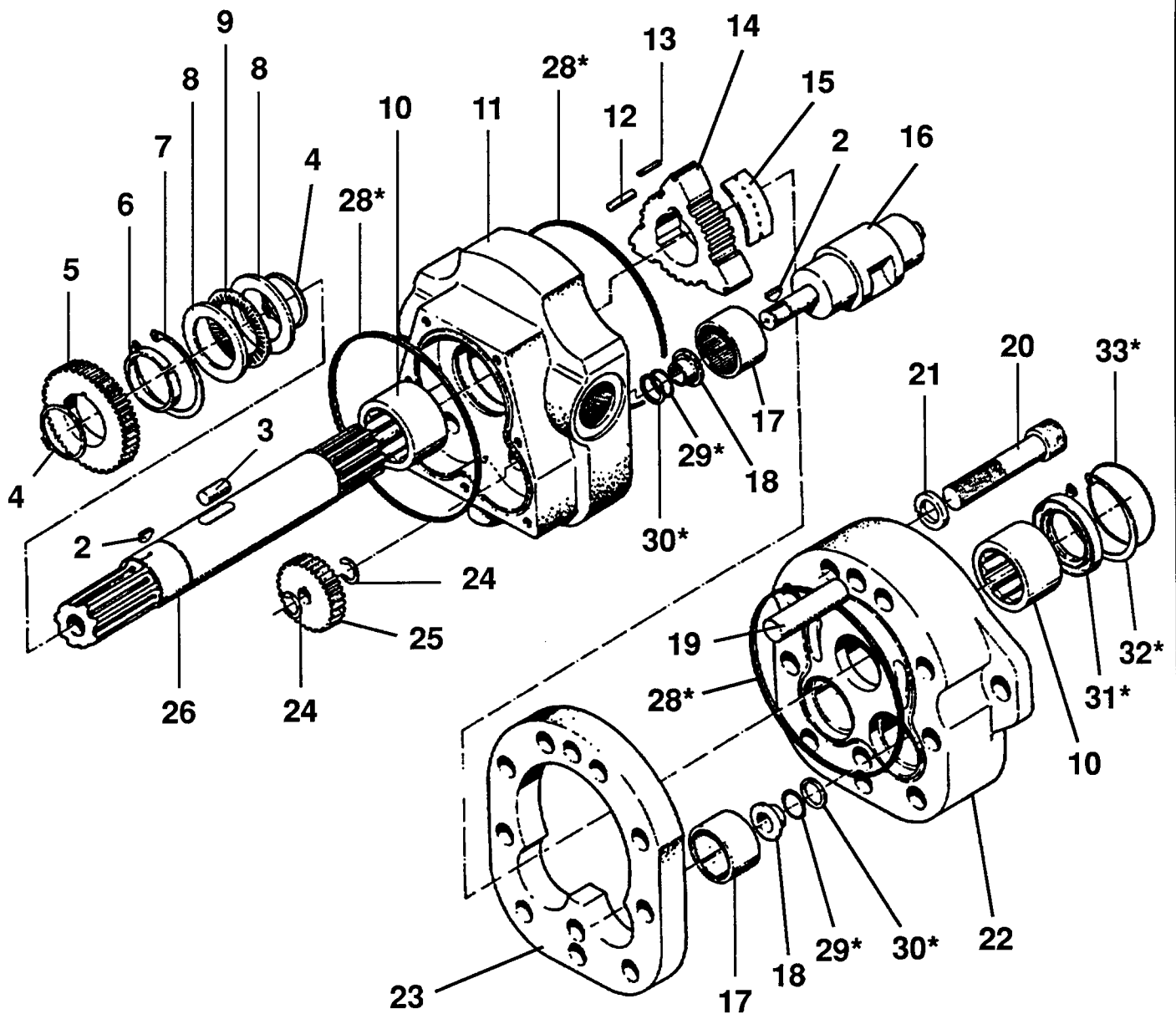
04-001600

PARTS LIST

ITEM	PART NO	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

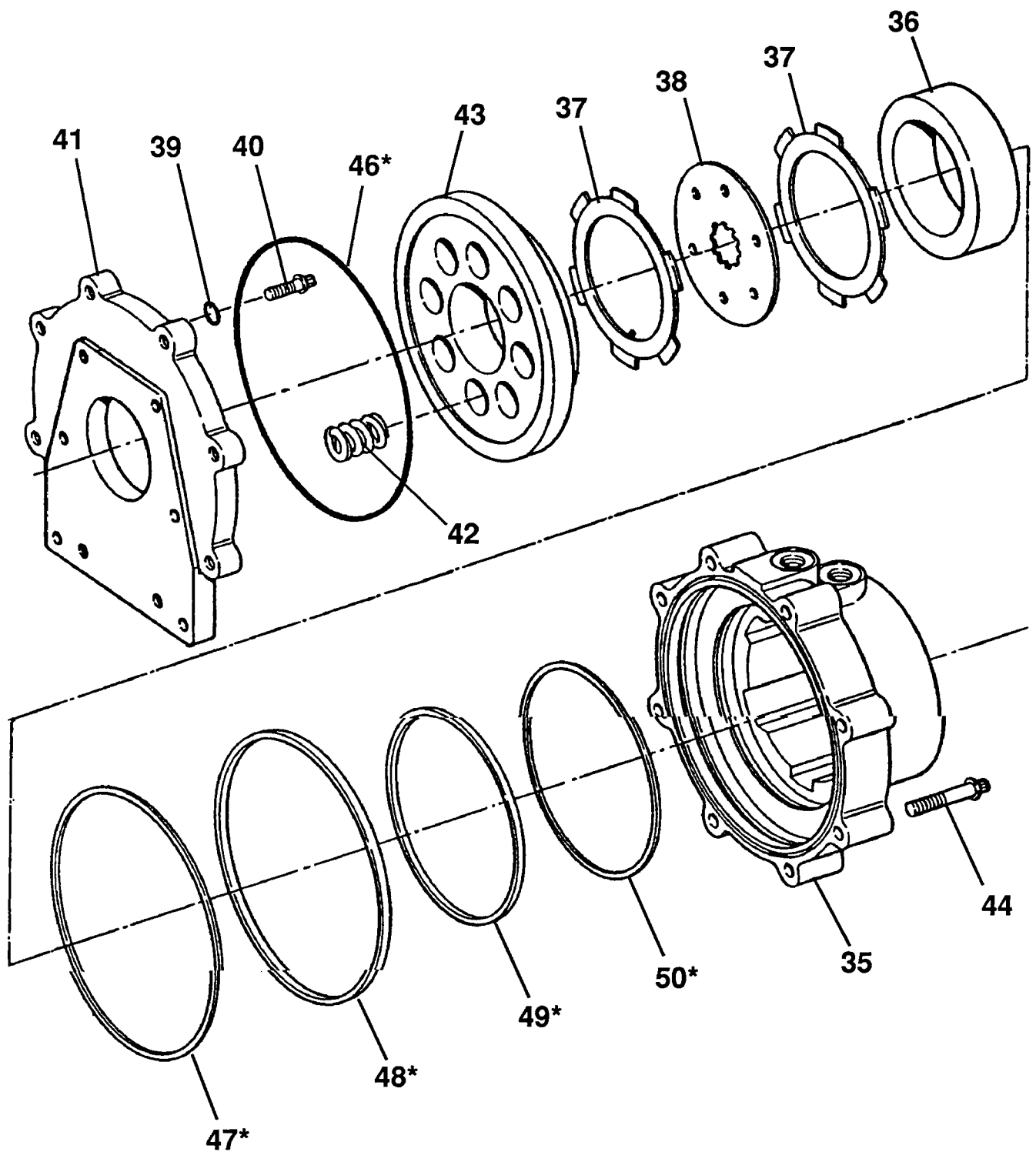
[illegible]

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

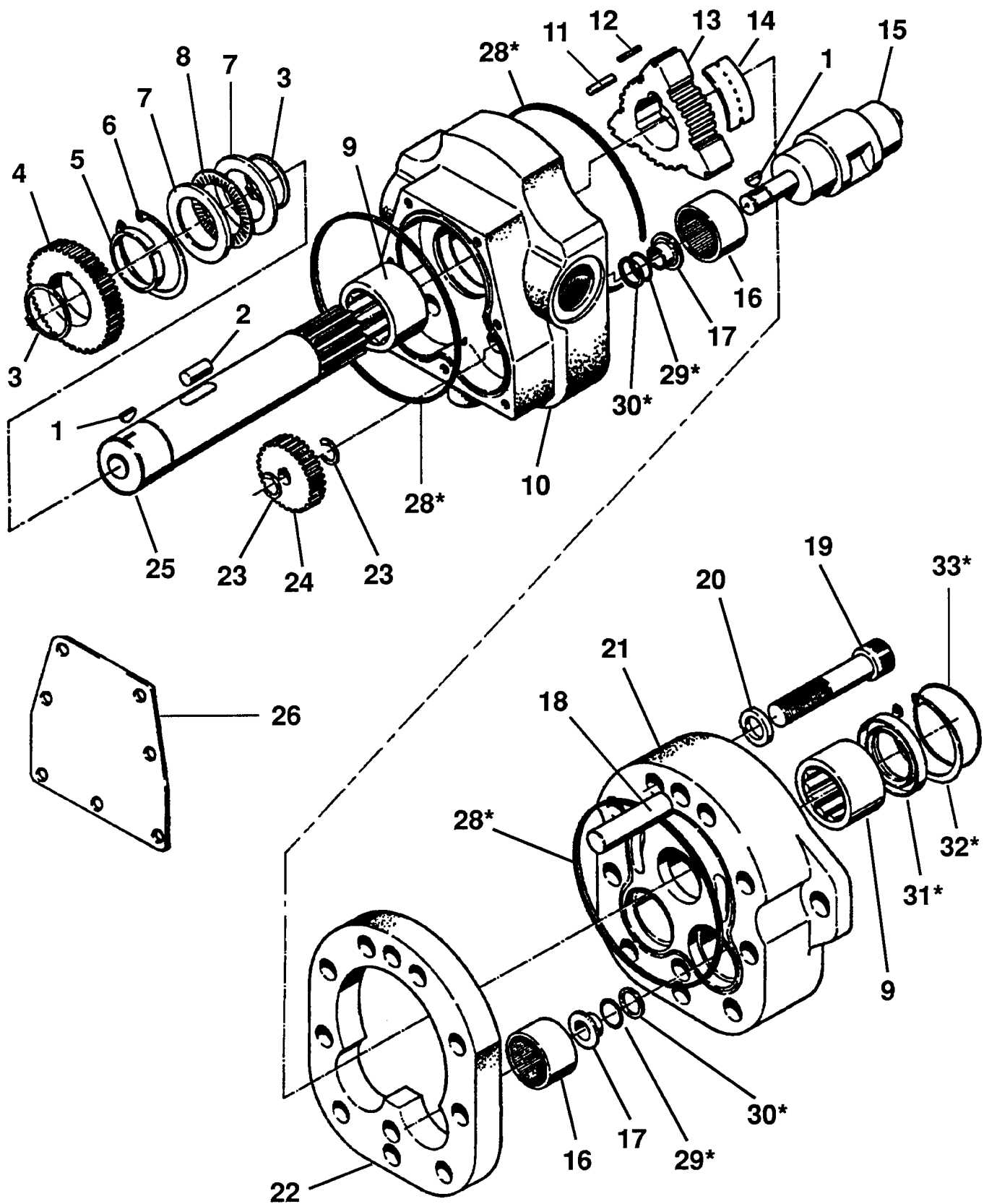
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000430		KEY, WOODRUFF	3
2	01-000421		PIN, DRIVE	1
3	01-000443		RING, RETAINING	2
4	01-000439		GEAR, DRIVE	1
5	01-000431		WASHER, SPACER	1
6	01-000444		RING, RETAINING	1
7	01-000423		RACE, BEARING	2
8	01-000422		BEARING, THRUST	1
9	01-000436		BEARING, NEEDLE	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.	SEC.	DESCRIPTION	QTY.
1	01-011801		HEX HEAD CAP SCREW	8
2*			WASHER SEAL	8
3			COVER/BEARING ASSEMBLY	1
4*			SQUARE RING SEAL	2
5			SNAP RING	1
6			IGR ASSEMBLY W/RING	1
7			CHECK VALVE BALL	2
8			ROTARY VALVE	1
9			BODY/BEARING ASSEMBLY	1
10			SHAFT	1
11*			QUAD RING SEAL	1
12*			BACK UP RING	1
13*			DUST SEAL	1
*			SEAL KIT	

DESCRIPTION

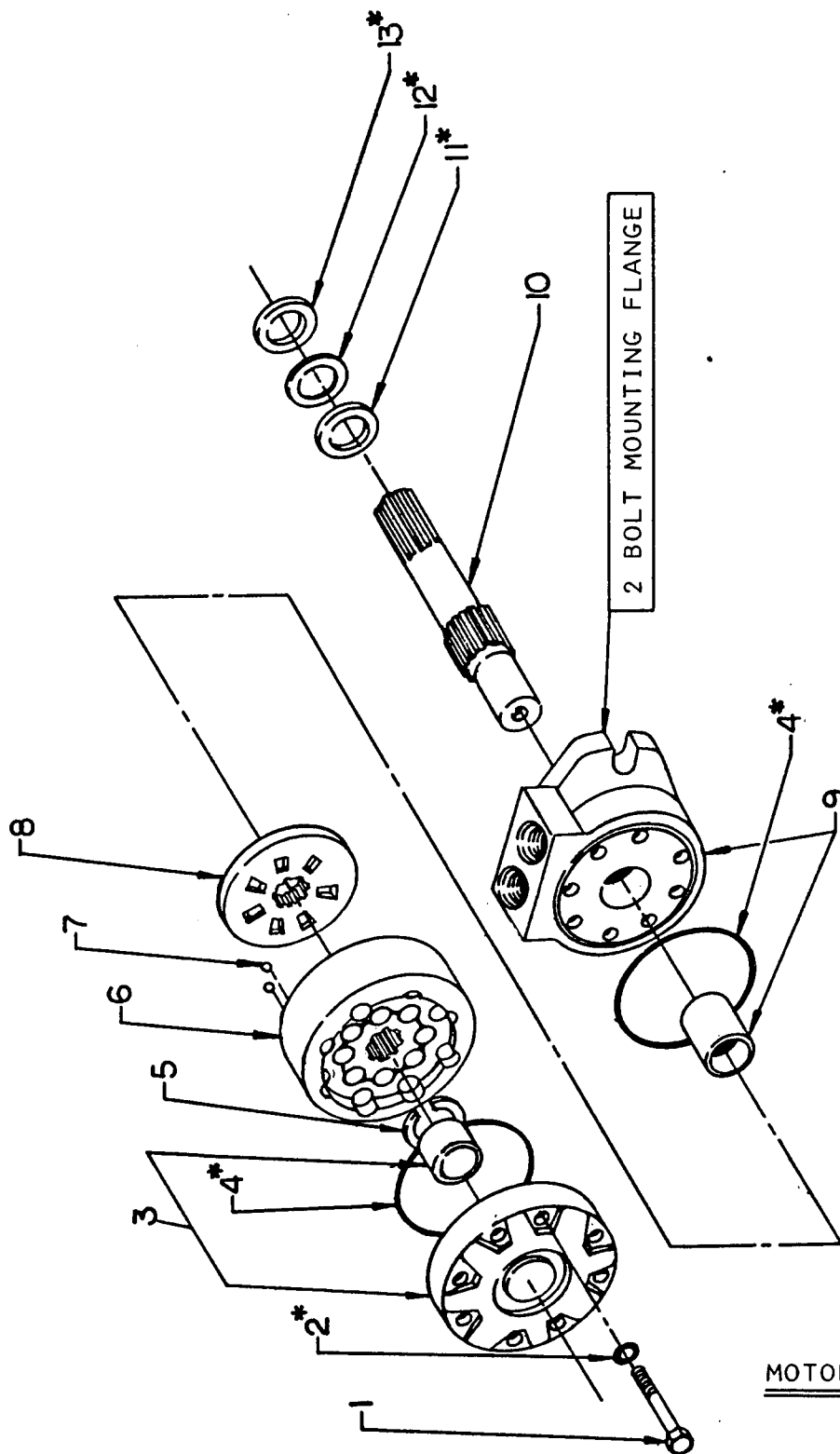
DRIVE MOTOR/BRAKE

PART NO.

01-016800

SHT 1 OF 2

D3.8



MOTOR ASSEMBLY

SHT 1 OF 2

DESCRIPTION

DRIVE MOTOR/BRAKE

PART NO.

01-016300

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SOCKET HEAD CAPSCREW	6
2			BASE PLATE	1
3*			SHAFT SEAL	1
4			BEARING	1
5*			BASE PLATE GASKET	1
6			PRESSURE BLEED FITTING	1
7			CASE	1
8*			COVER GASKET	1
9			SHAFT	1
11			FRICTION DISC	
12			SEPARATOR PLATE	
13*			BACK-UP RING	1
14*			'O' RING	1
15			PISTON	1
16*			'O' RING	1
17*			BACK-UP RING	1
18			SPRING	10
19			BEARING	1
20			COVER	1
21			12 PT. CAPSCREW	4
*	01-012101		SEAL KIT	1

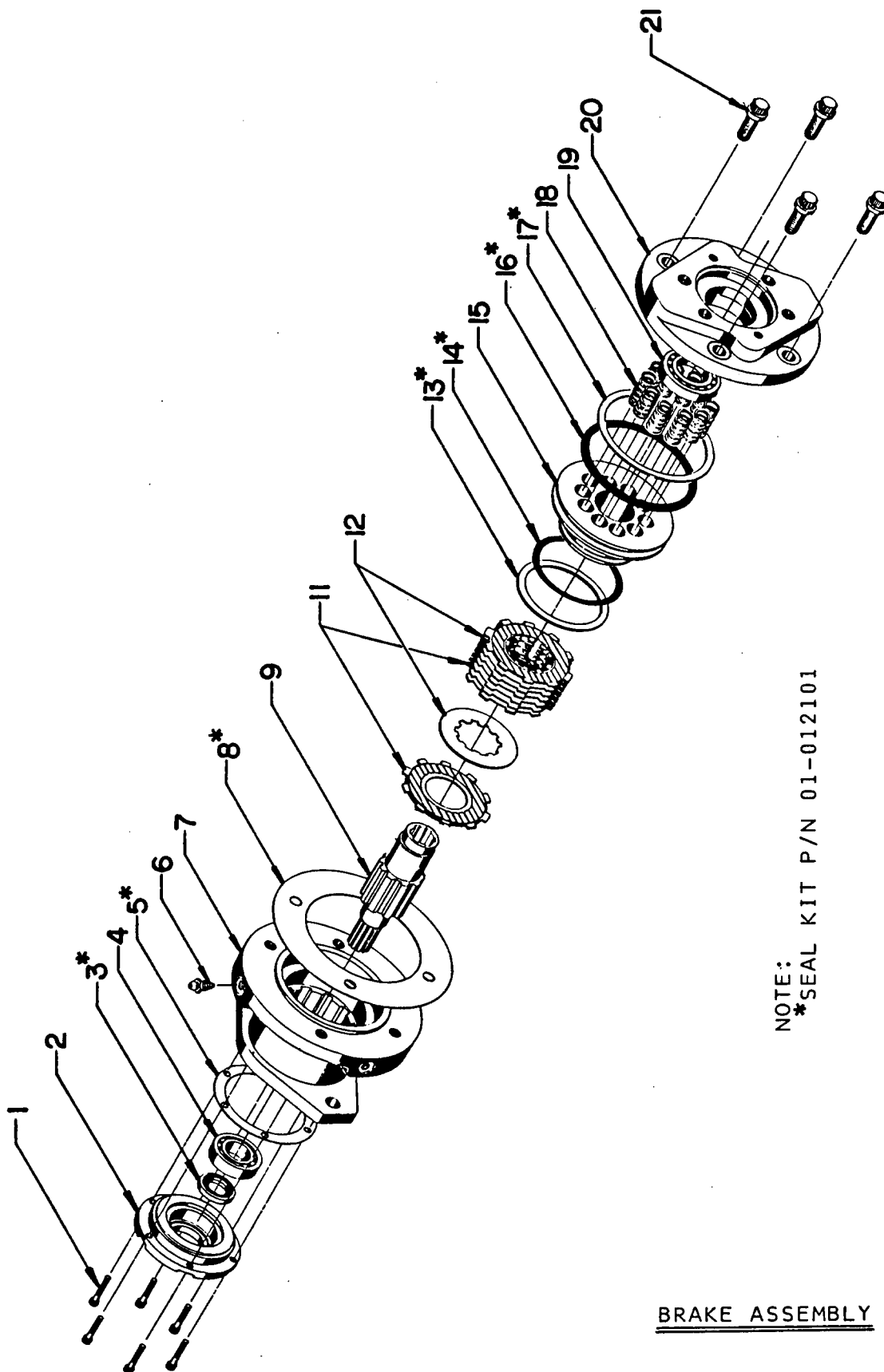
DESCRIPTION

SHT 2 OF 2

DRIVE MOTOR / BRAKE

PART NO.

01-018500



NOTE:
*SEAL KIT P/N 01-012101

BRAKE ASSEMBLY

0985/0985

SHT 2 OF 2

DESCRIPTION

DRIVE MOTOR / BRAKE

PART NO.

01-018500

PARTS LIST

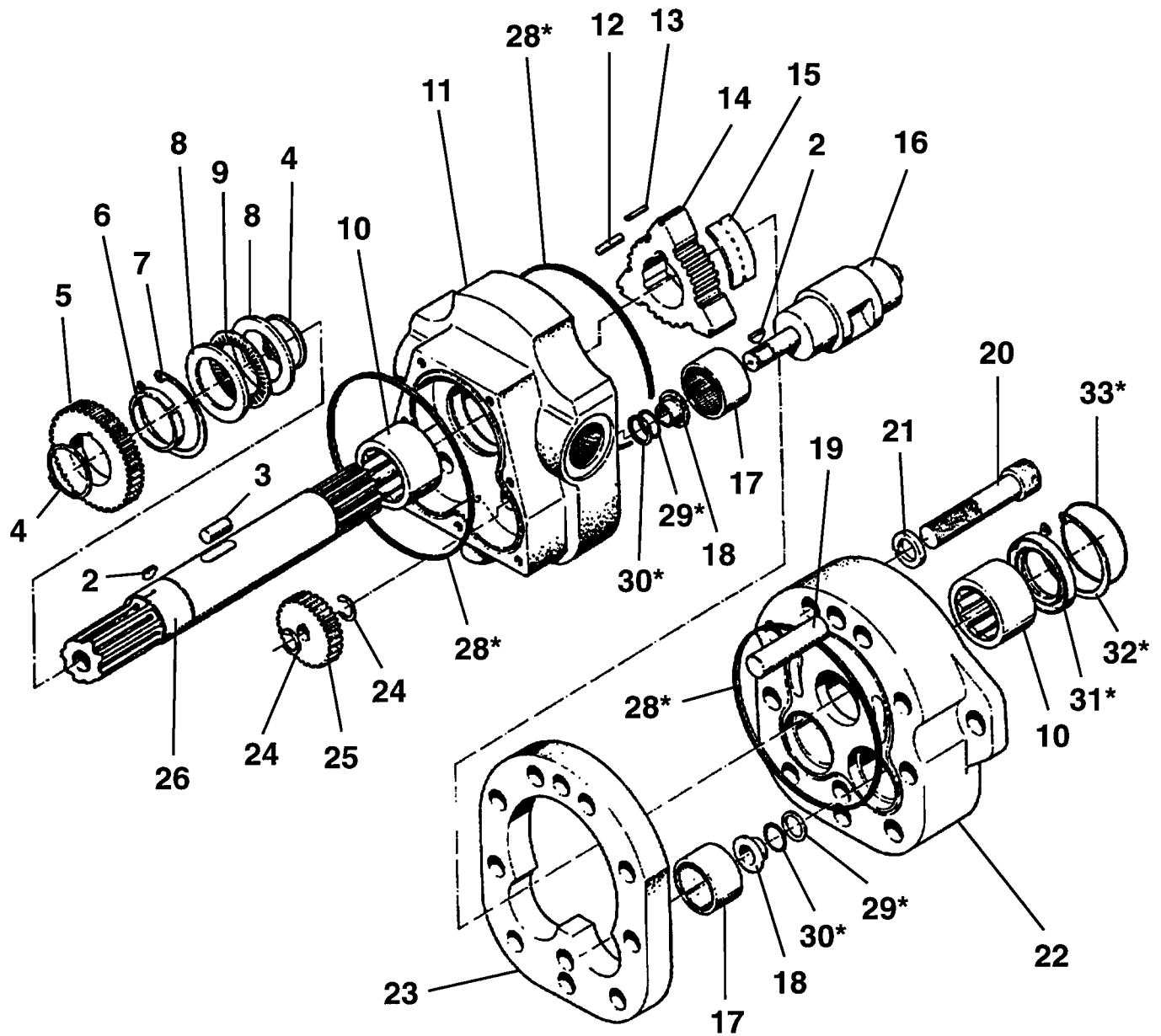
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3			PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	2
9	01-000422		BEARING, THRUST	1
10	01-000436		BEARING, NEEDLE	2
11			CAP, END (Rear)	1
12			ROLLER, TIP SEAL [3" (76.2 mm) long]	3
13			ROLLER, BODY SEAL [3" (76.2 mm) long]	18
14			ROTOR [3" (76.2 mm) wide]	1
15			PLATE, SEAL [3" (76.2 mm) wide]	3
16			VALVE, ABUTMENT	2
17	01-000438		BEARING, NEEDLE	4
18	01-000425		BEARING, STEP	4
19			PIN, DOWEL	2
20			CAP SCREW, SOCKET HEAD	9
21			WASHER, HELICAL LOCK	9
22	01-000440		CAP, END (Front) (SAE "B")	1
23			HOUSING, DISPLACEMENT	1
24	01-000442		RING, RETAINING	4
25	01-000420		GEAR, PINION	2
26			SHAFT, MOTOR (Spline both ends, for use with brake)	1
27	01-000401		SEAL KIT, MOTOR	1
28			Note: Items included in seal kit marked by asterisk (*)	
29			SEAL, OIL	3
30	01-000428		"O"-RING	4
31			RING, BACK UP	1
32	01-000445		SEAL, SHAFT	1
33			RING, RETAINING	1
			"O"-RING	1

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

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

REV. 14 JUN., 1994

PART NO. 01-064200



TITLE

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

SIMON AERIALS INC.

REV. 14 JUN., 1994

PART
NO.

01-064200

PLATE
NO.

D03.09

PARTS LIST

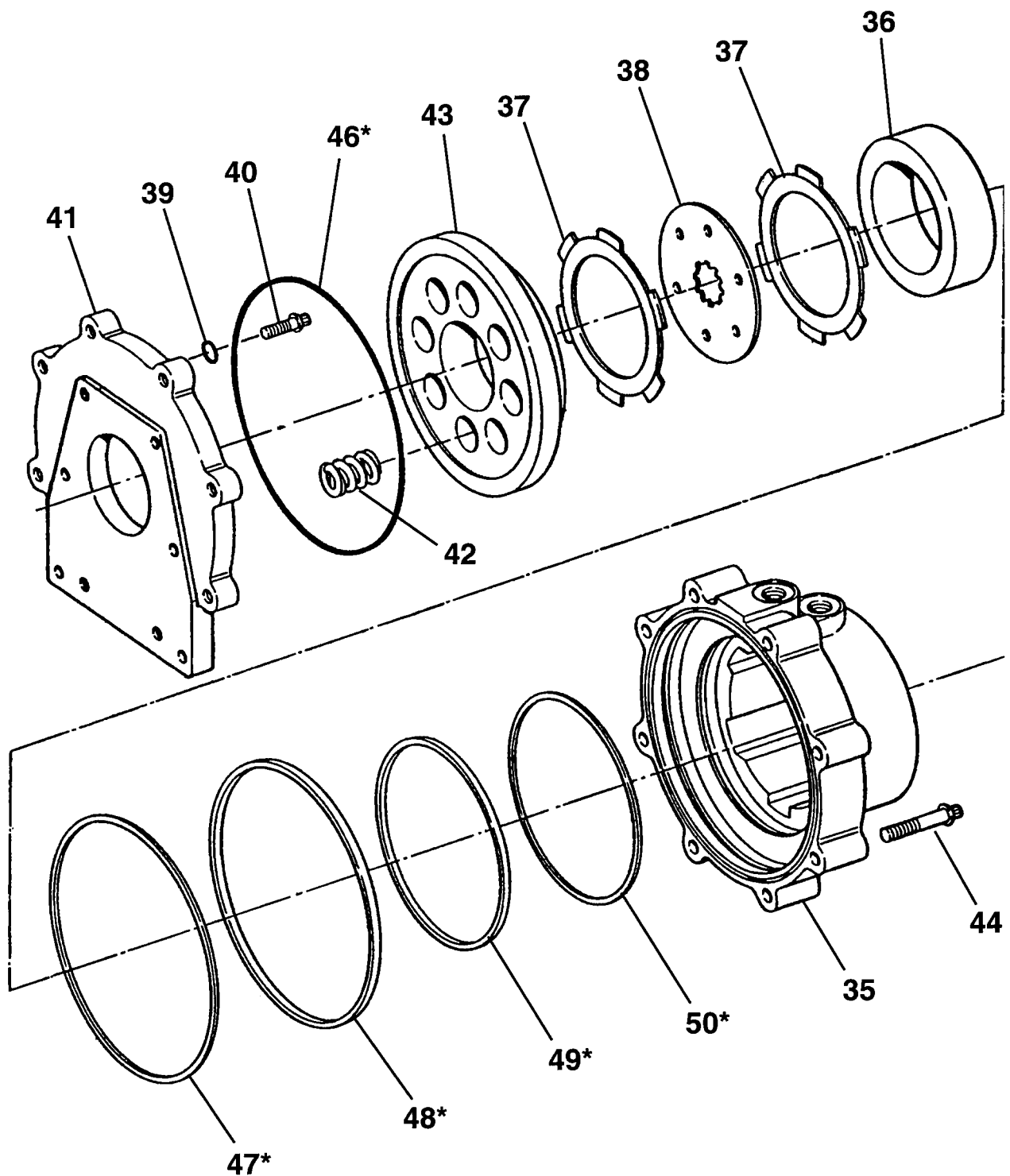
[illegible]

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

PLATE NO. D03.09	SIMON AERIALS INC.	REV. 14 JUN., 1994	PART NO. 01-064200
------------------	--------------------	--------------------	--------------------

REV. 14 JUN., 1994

PART NO.	01-064200
----------	-----------



TITLE

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

SIMON AERIALS INC.

REV. 14 JUN., 1994

PART
NO.

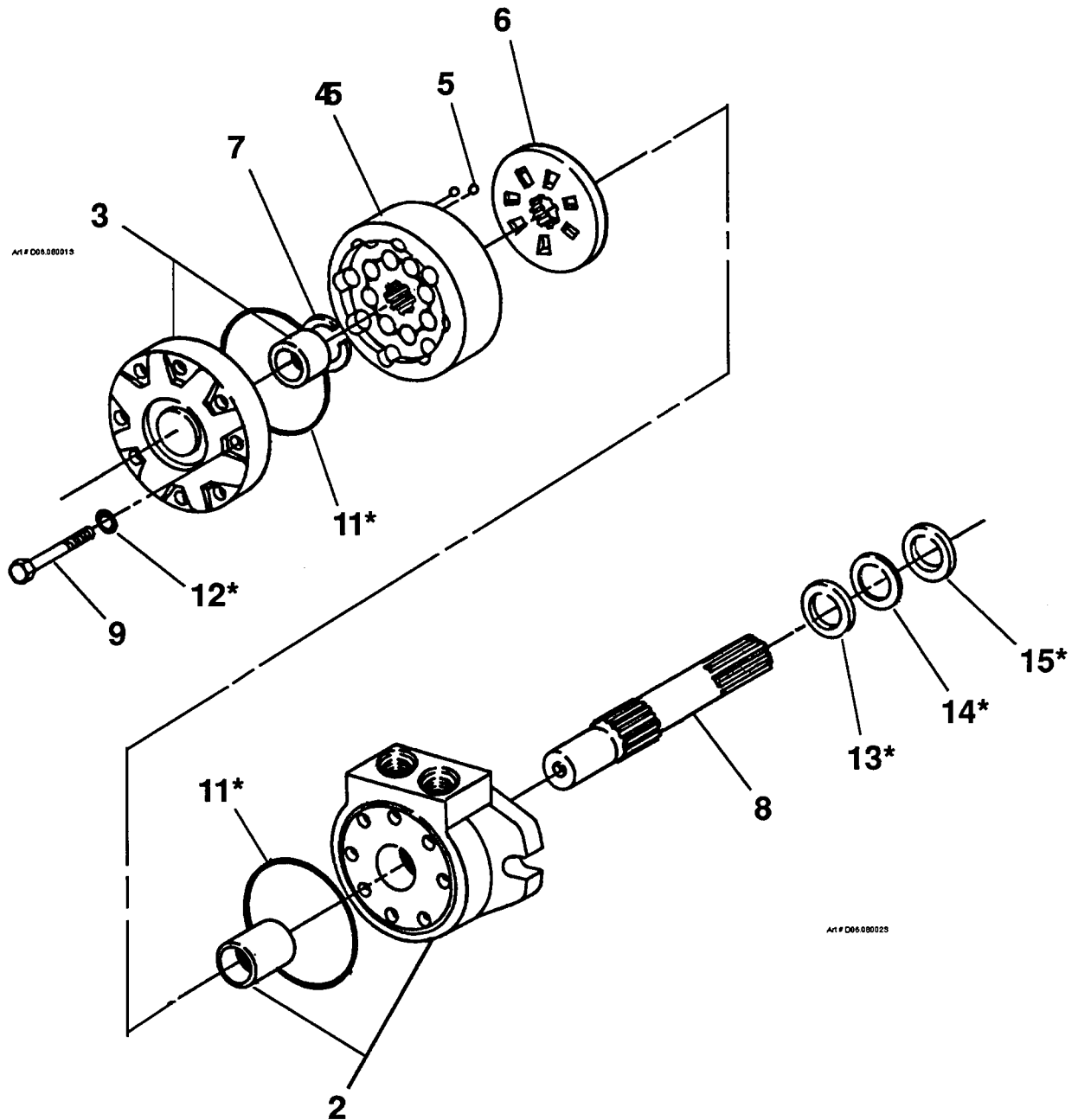
01-064200

PLATE
NO.

D03.09

[illegible]

PLATE NO.	D03.10	SIMON AERIALS INC.	REV. 7/22/91	PART NO.	01-016700
-----------	--------	--------------------	--------------	----------	-----------



TITLE

WHEEL MOTOR/ BRAKE (MOTOR, PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 7/22/91

PART
NO.

01-016700

PLATE
NO.

D03.10

PARTS LIST

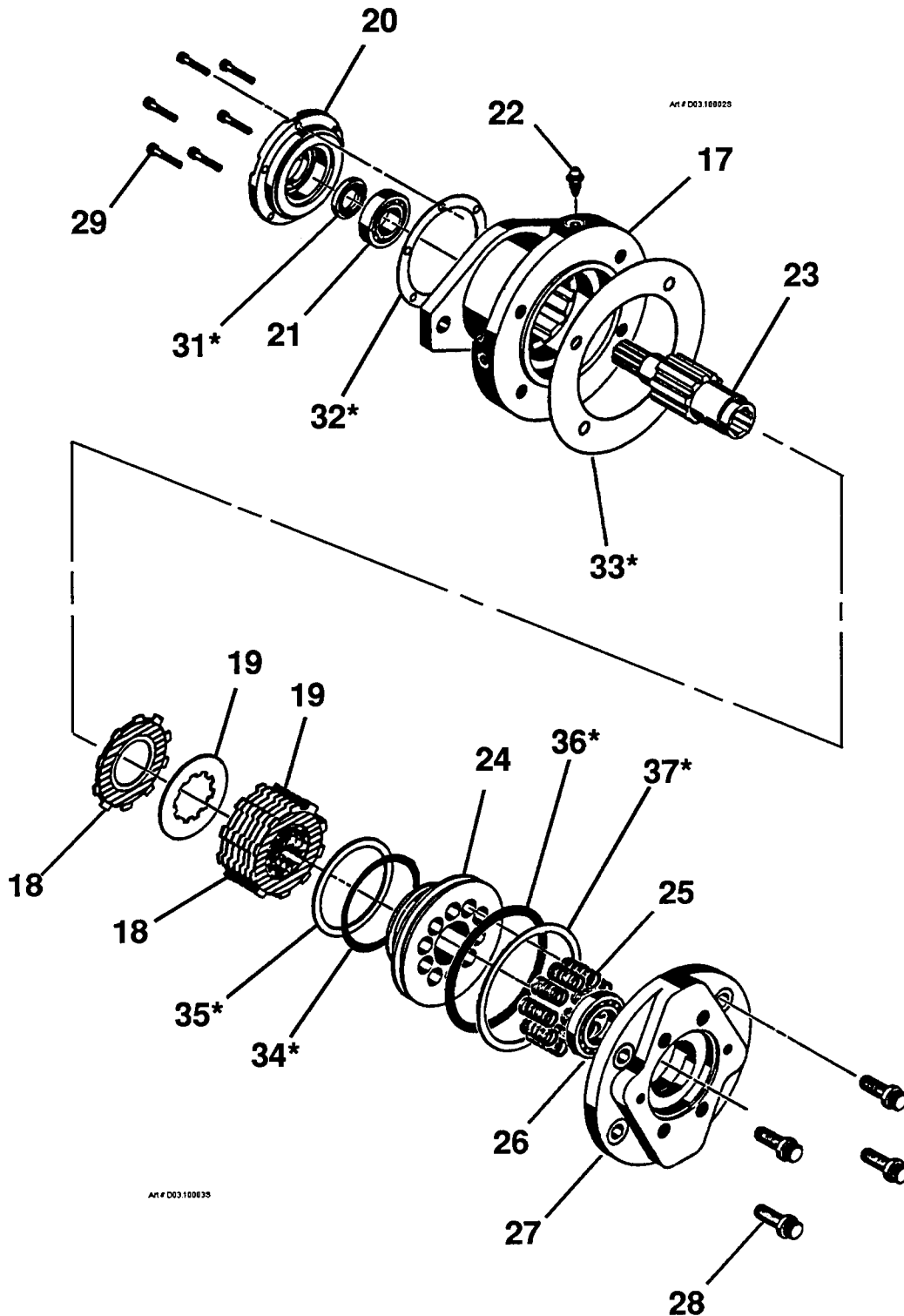
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
16	01-018500		BRAKE ASSEMBLY (See plate 1 of 2 for motor)	1
17			CASE	1
18			DISC, FRICTION	8
19			PLATE, SEPARATOR	7
20			PLATE, BASE	1
21			BEARING	1
22			FITTING, PRESSURE BLEED	1
23			SHAFT	1
24			PISTON	1
25			SPRING	10
26	01-012101		BEARING	1
27			COVER	1
28			CAP SCREW, TWELVE POINT	4
29			CAP SCREW, SOCKET HEAD	6
30			SEAL KIT, BRAKE	1
			Note: Items included in seal kit marked by asterisk (*)	
31			SEAL, SHAFT	1
32			GASKET, BASE PLATE	1
33			GASKET, COVER	1
34			"O"-RING	1
35			RING, BACK UP	1
36			"O"-RING	1
37			RING, BACK UP	1

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

PLATE NO. D03.10 **SIMON AERIALS INC.**

REV. 7/22/91

PART NO.



TITLE

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

SIMON AERIALS INC.

REV. 7/22/91

PART
NO.

PLATE
NO. **D03.10**

PARTS LIST

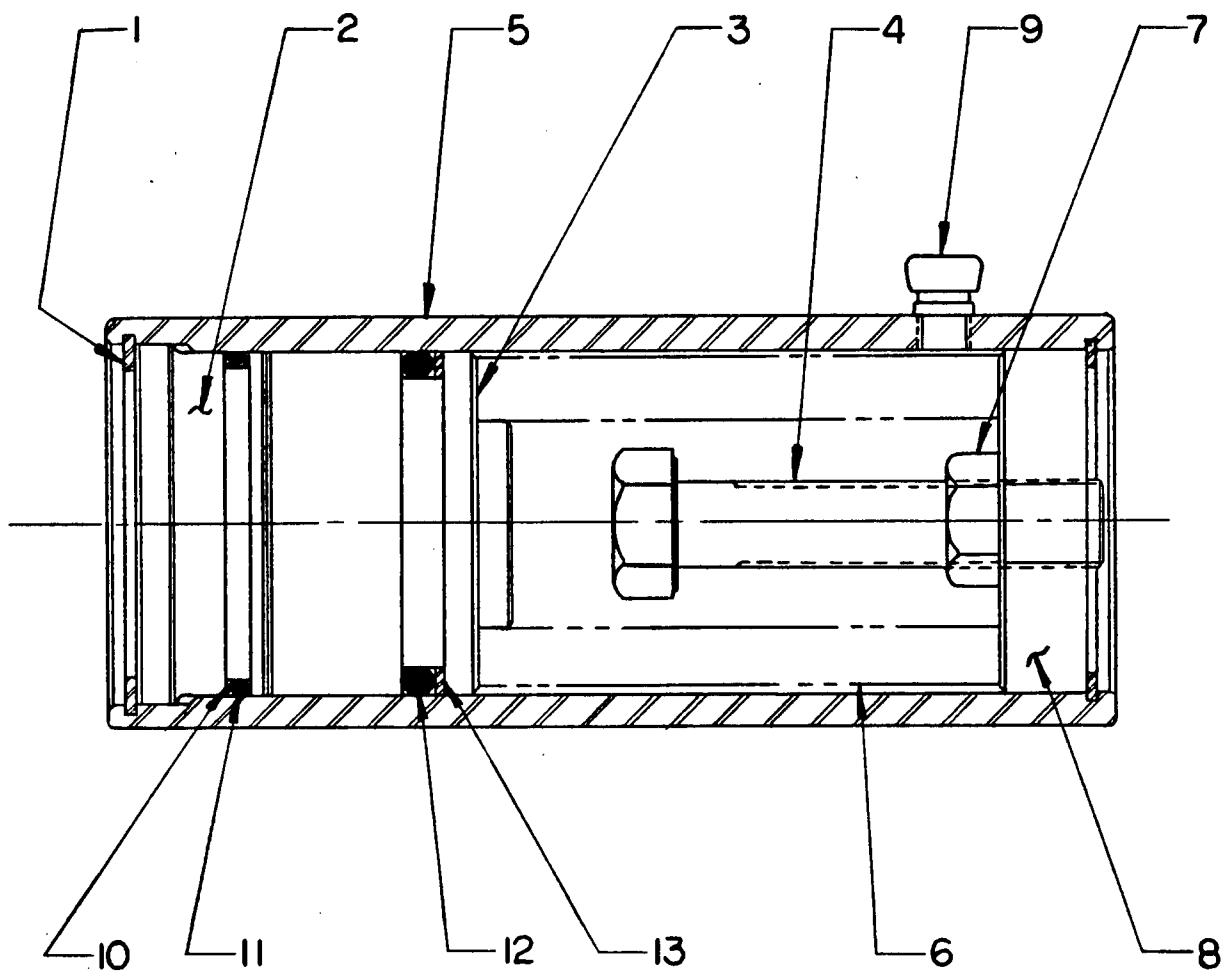
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-001502		RETAINING RING	2
2			PORT CAP	1
3			PISTON	1
4			SCREW	1
5			CYLINDER	1
6			SPRING	1
7			NUT	1
8			CYLINDER CAP	1
9			VENT	1
10			BACK-UP RING	1
11			'O' RING	1
12			'O' RING	1
13			BACK-UP RING	

DESCRIPTION

ACCUMULATOR

PART NO.

01-001500



1183 / 0677

DESCRIPTION

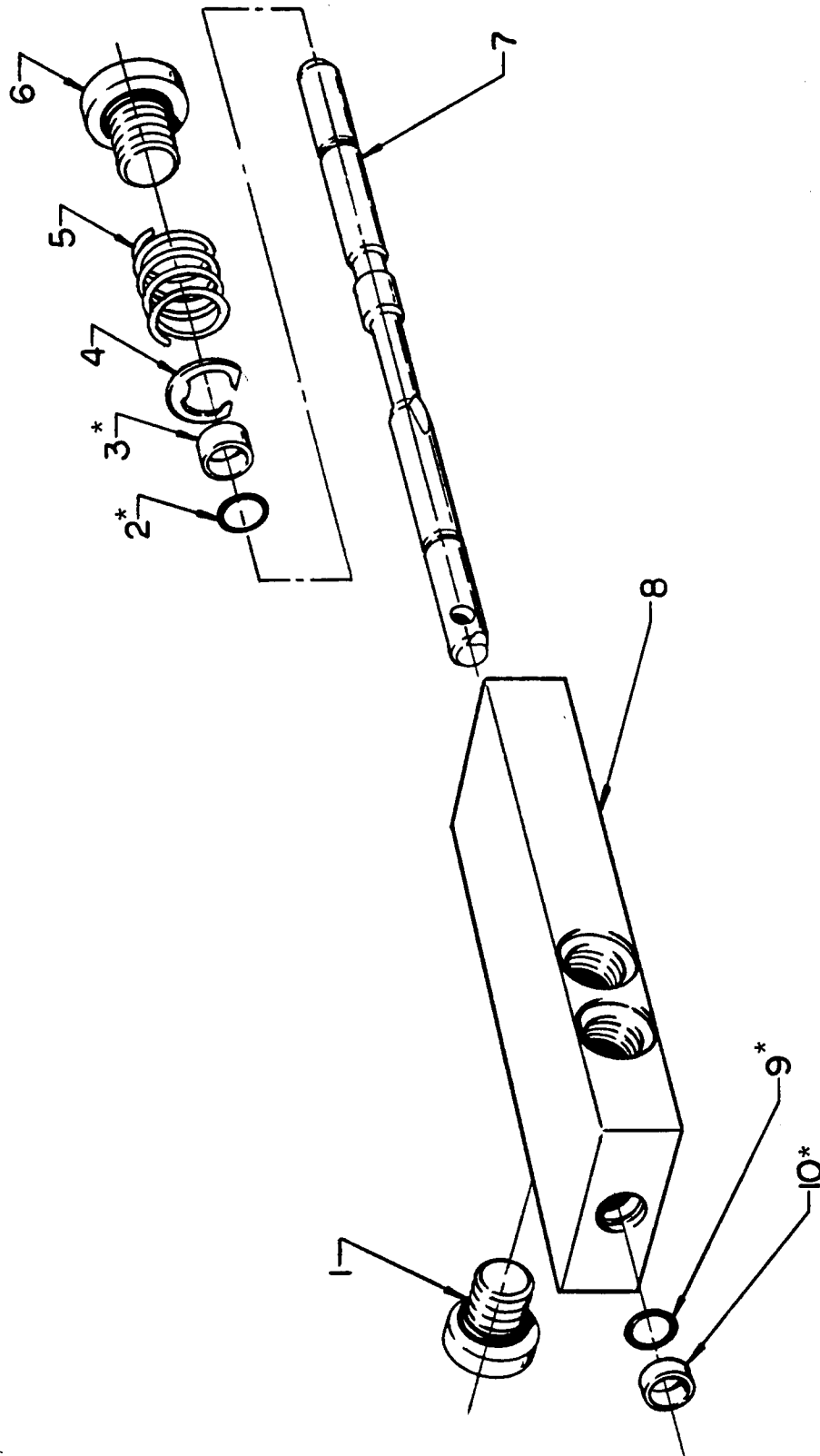
ACCUMULATOR

PART NO.

01-001500

PARTS LIST

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



NOTE:
*SEAL KIT P/N 01-000901

0484/0383

DESCRIPTION

HPC VALVE

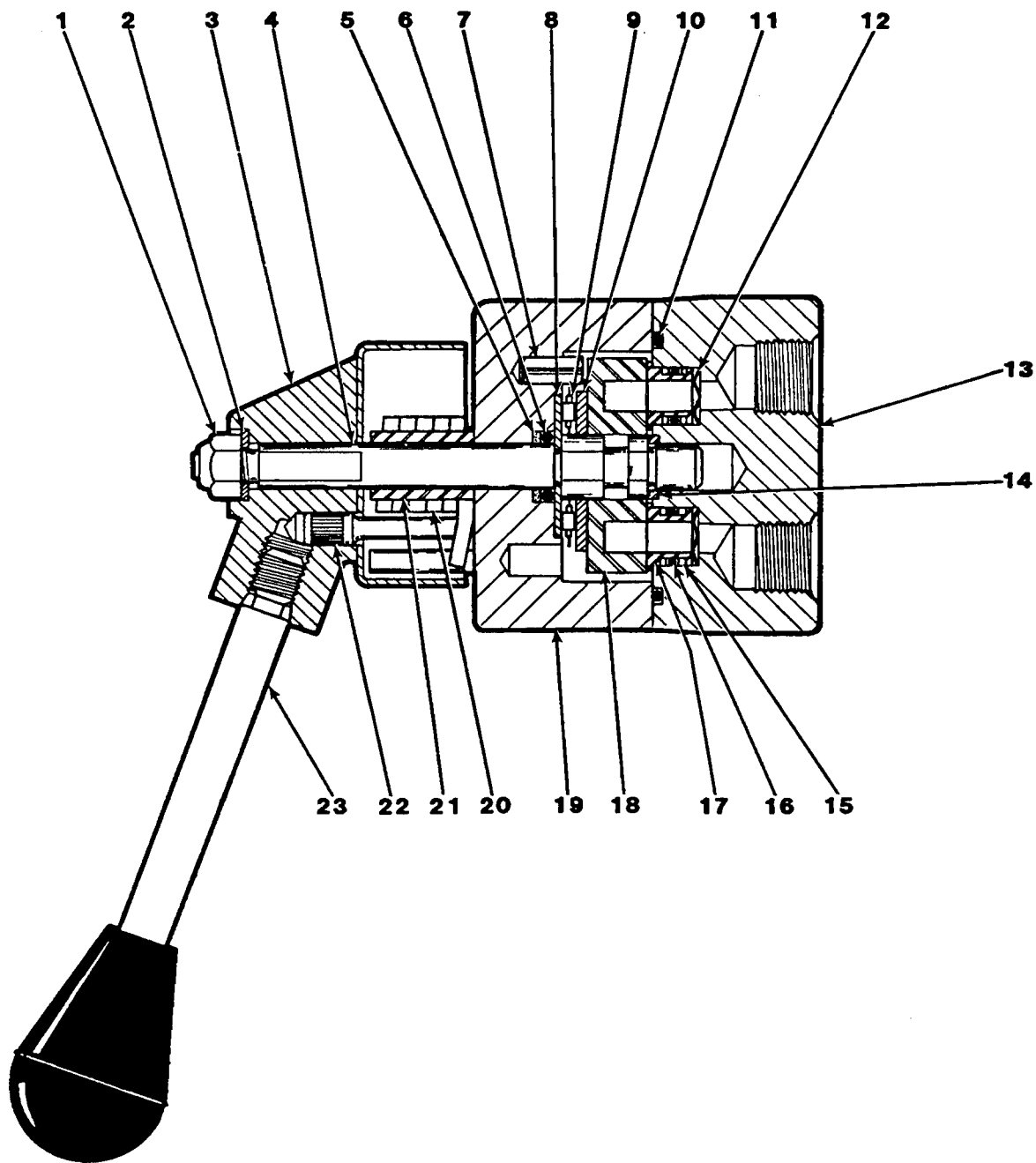
PART NO.

01-004700

[illegible]

4-WAY MANUAL CONTROL VALVE

PART NO. 01-069800



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 10/01/90

PART
NO.

01-069800

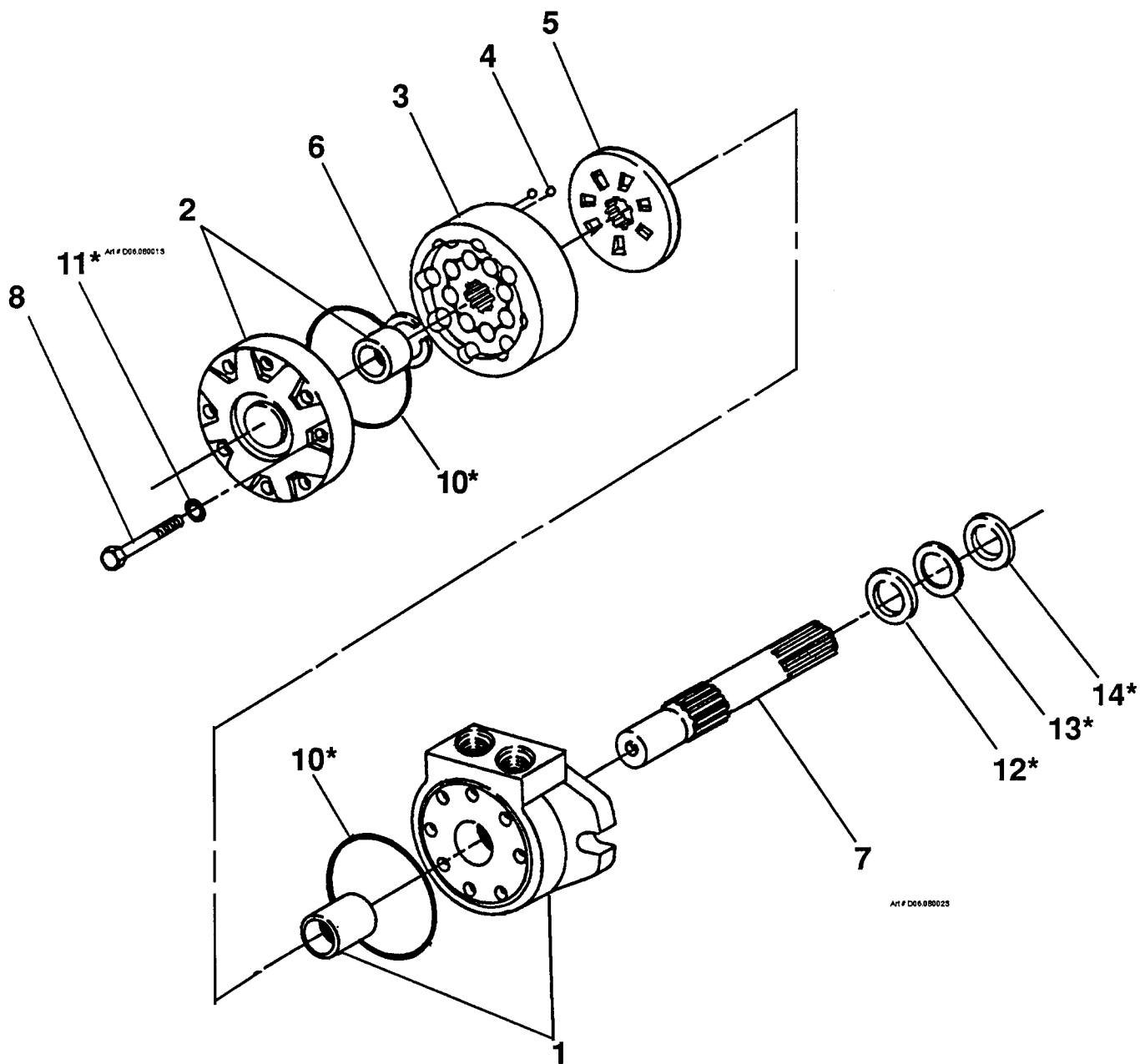
PLATE
NO.

D05.05

[illegible]

SWING MOTOR

PART NO. 01-005700



TITLE

SWING MOTOR

SIMON AERIALS INC.

REV. 09/25/91

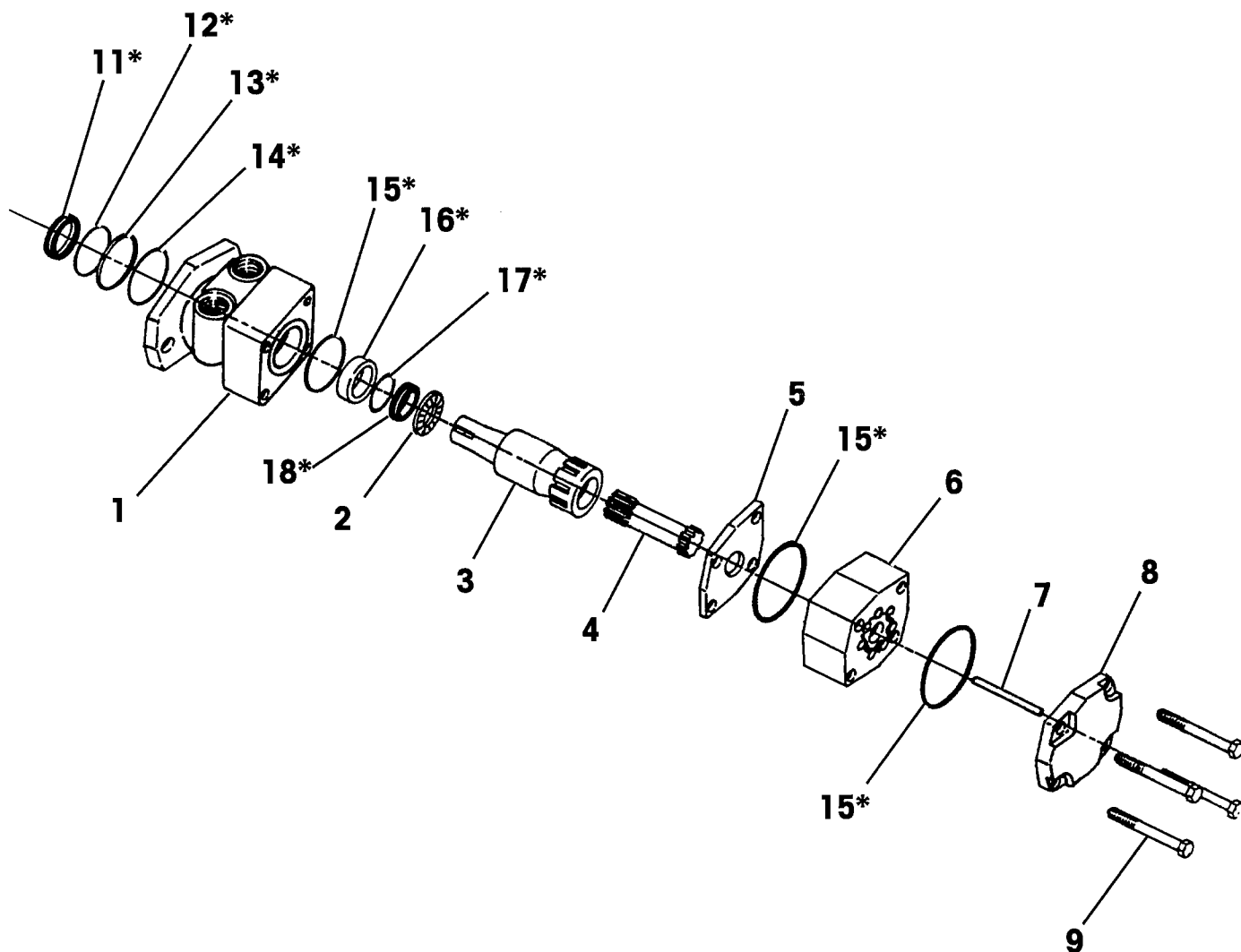
PART
NO.

01-005700

PLATE
NO.

D06.08

[illegible]



NOTE: Items in seal kit #10 identified by an asterisk (*).

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

TITLE

SWING MOTOR

PART
NO.

01-015600

REV. A

DATED
08 OCT., 1996

SECTION

D06.

PLATE NO.

09

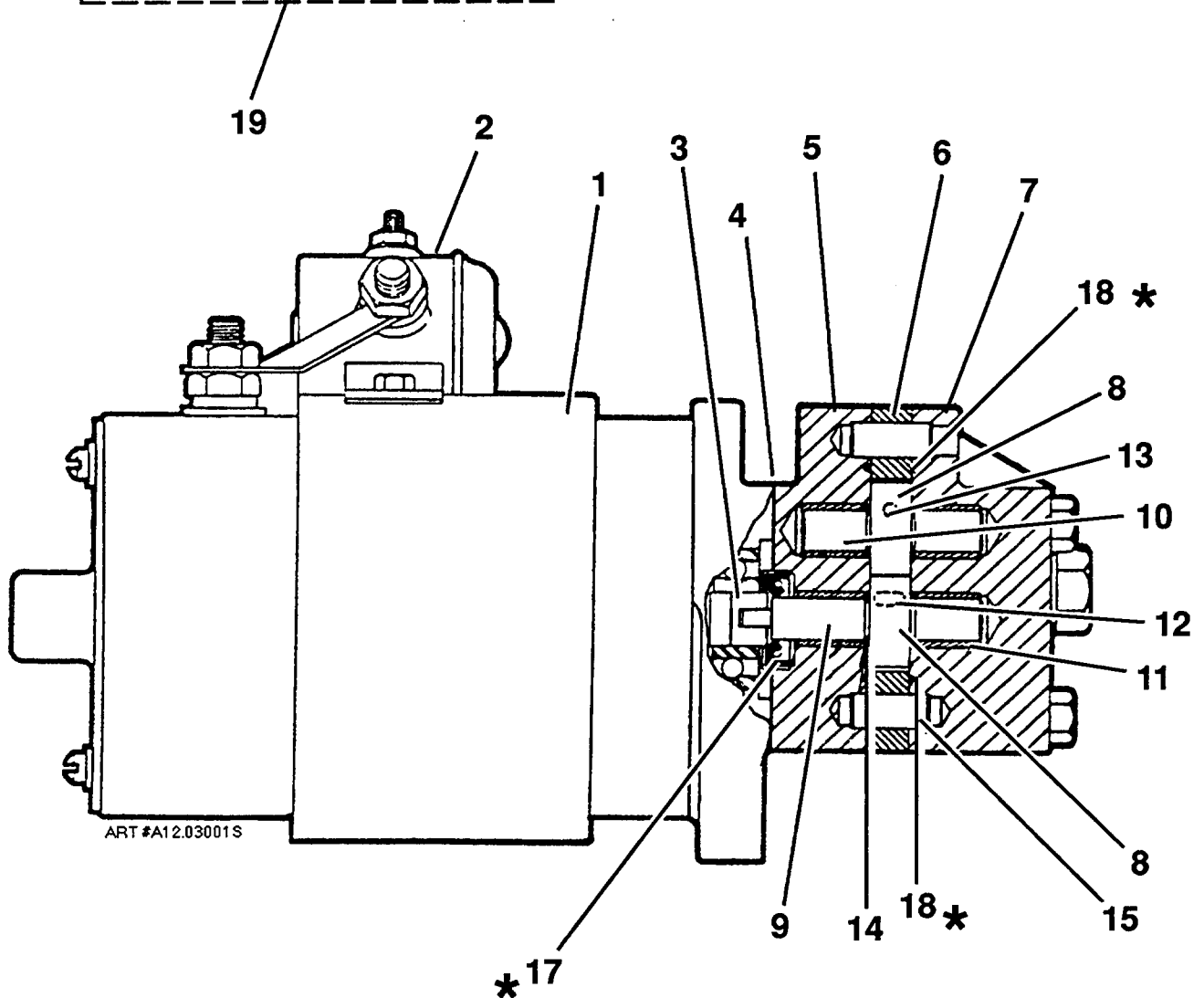
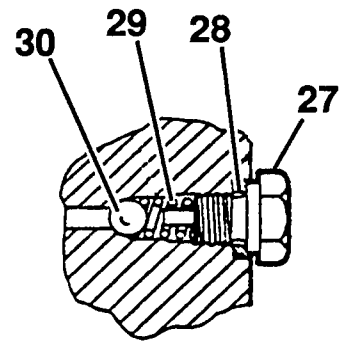
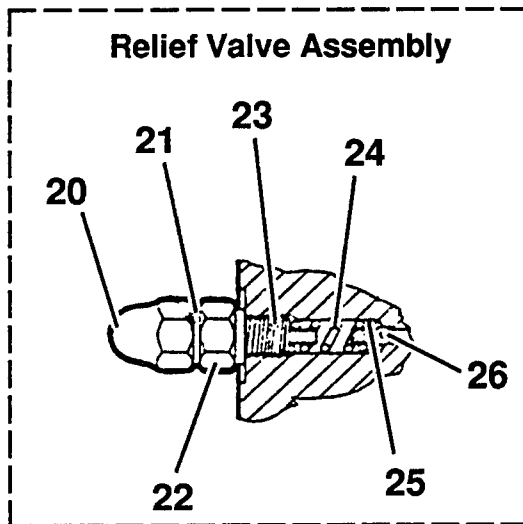
PAGE

01

PARTS LIST

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

TITLE		EMERGENCY PUMP	
PLATE NO.	D07.04	SIMON AERIALS INC.	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

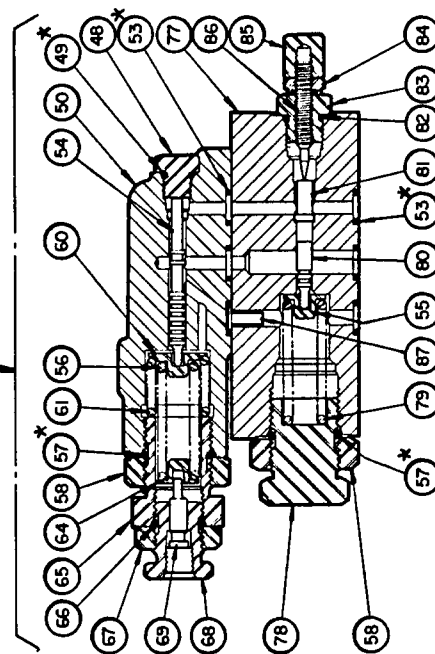
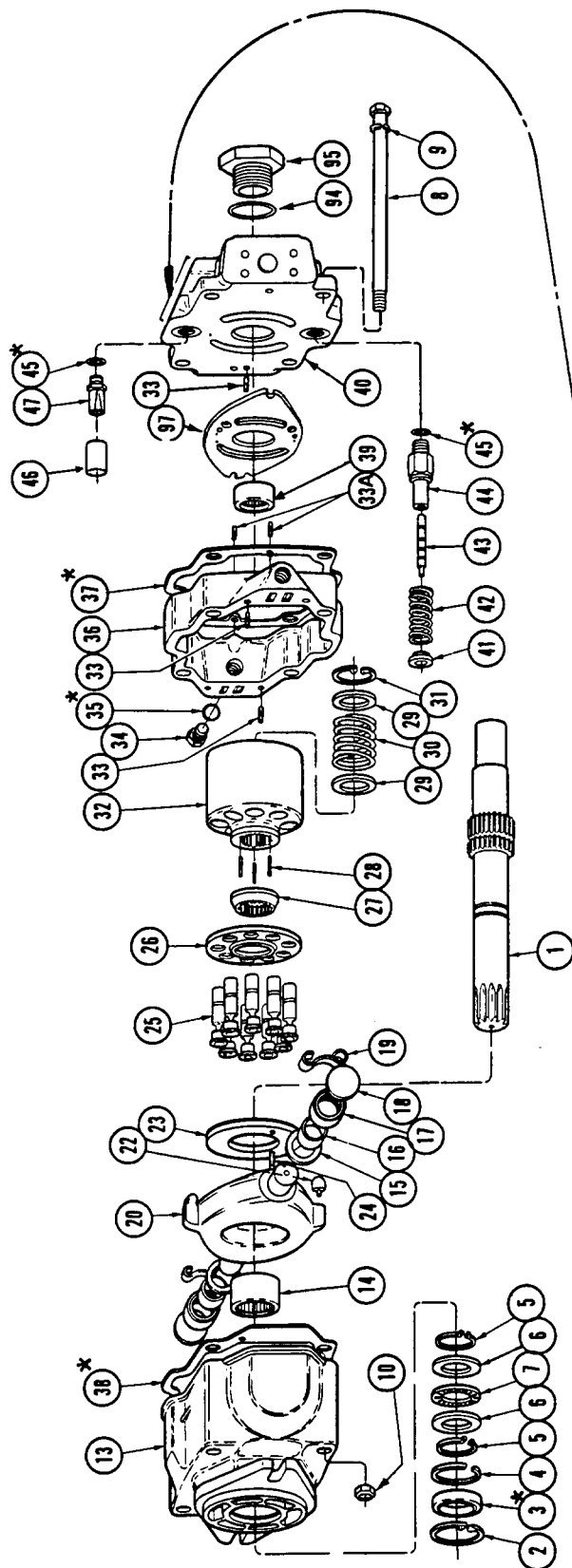
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SHAFT, 'C' SPLINE	1
2			RETAINING RING	1
3*			SHAFT SEAL	1
4			SPACER	1
5			RETAINING RING	2
6			THRUST BEARING RACE	2
7			THRUST BEARING	1
8			HEX HEAD CAP SCREW	4
9			LOCKWASHER	4
10			HEX NUT	4
13			'C' ADAPTOR HOUSING	1
14			BEARING	1
15			CAM WASHER	2
16			INNER CAM RACE	2
17			TRUNNION BEARING ASSEMBLY	2
18			CAM THRUST BEARING	2
19			TRUNNION SPRING	2
20			CAM	1
22			CONTROL PIVOT	1
23			WEAR PLATE	1
24			ROLL PIN	1
25			PISTON ASSEMBLY	9
26			RETURN PLATE	1
27			RETURN PLATE PIVOT	1
28			PISTON RETURN PIN	3
29			BLOCK SPRING WASHER	2
30			BLOCK SPRING	1
31			RETAINING RING	1
32			CYLINDER BLOCK	1
33			ROLL PIN	3
33A			ROLL PIN	2
34			PLUG (CASE DRAIN)	1
35*			'O' RING	1
36			PUMP ASSEMBLY HOUSING	1
37*			COVER GASKET	1
38*			FLANGE GASKET	1
39			BEARING	1
40			REAR PORTED COVER	1
41			SPRING SEAT	1
42			SPRING	1
43			PISTON	1
44			SLEEVE	1
45*			'O' RING	2
46			CONTROL SLEEVE	1
47			CONTROL. POST PISTON	1
48			PLUG	1
49*			'O' RING	1
50			CONTROL HOUSING	1
53*			'O' RING	6
54			PLUNGER	1
55			SPRING RETAINER	1
56			SPRING	1
57*			'O' RING	2
58			HEX NUT	2
60			SPRING RETAINER	1
61			SPRING	1
64			SPRING SEAT	1
65			CAP	1
66			'O' RING	1
67			JAM NUT	1
68			CAP	1
69			SENSE PIN	1
77			CONTROL HOUSING	1
78			CAP	1
79			SPRING	1
80			PLUNGER	1
81			NEEDLE ORIFICE	1
82			'O' RING	1
83			CAP	1
84			JAM NUT	1
85			CAP	1
86			ADJUSTING SCREW	1
87			ORIFICE	1
*	01-015001		SEAL KIT	1

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-015000



0485/0385

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-015000

PARTS LIST

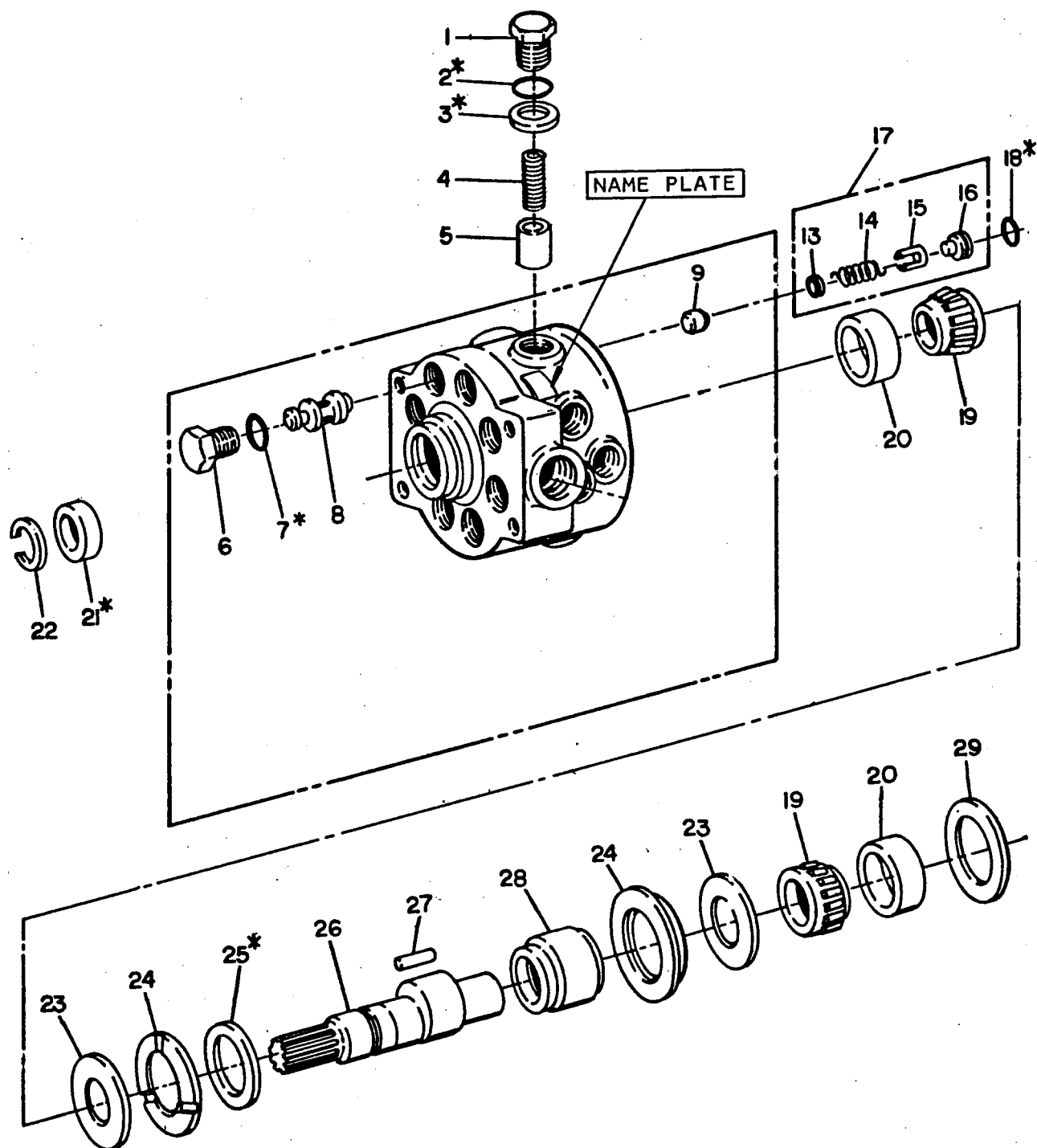
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-031405		FITTING	8
2*			'O' RING	8
3*			SHIELD	8
4	01-031402		SPRING	8
5			PISTON	8
6			FITTING	8
7*			'O' RING	8
8			INLET VALVE	8
9			BUSHING	8
10				
11				
12			HOUSING	1
13			DISK	8
14			SPRING	8
15			GUIDE	8
16			STOP	8
17			DISCHARGE VALVE	8
18			WASHER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

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900



PUMP ASSEMBLY

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900

PARTS LIST

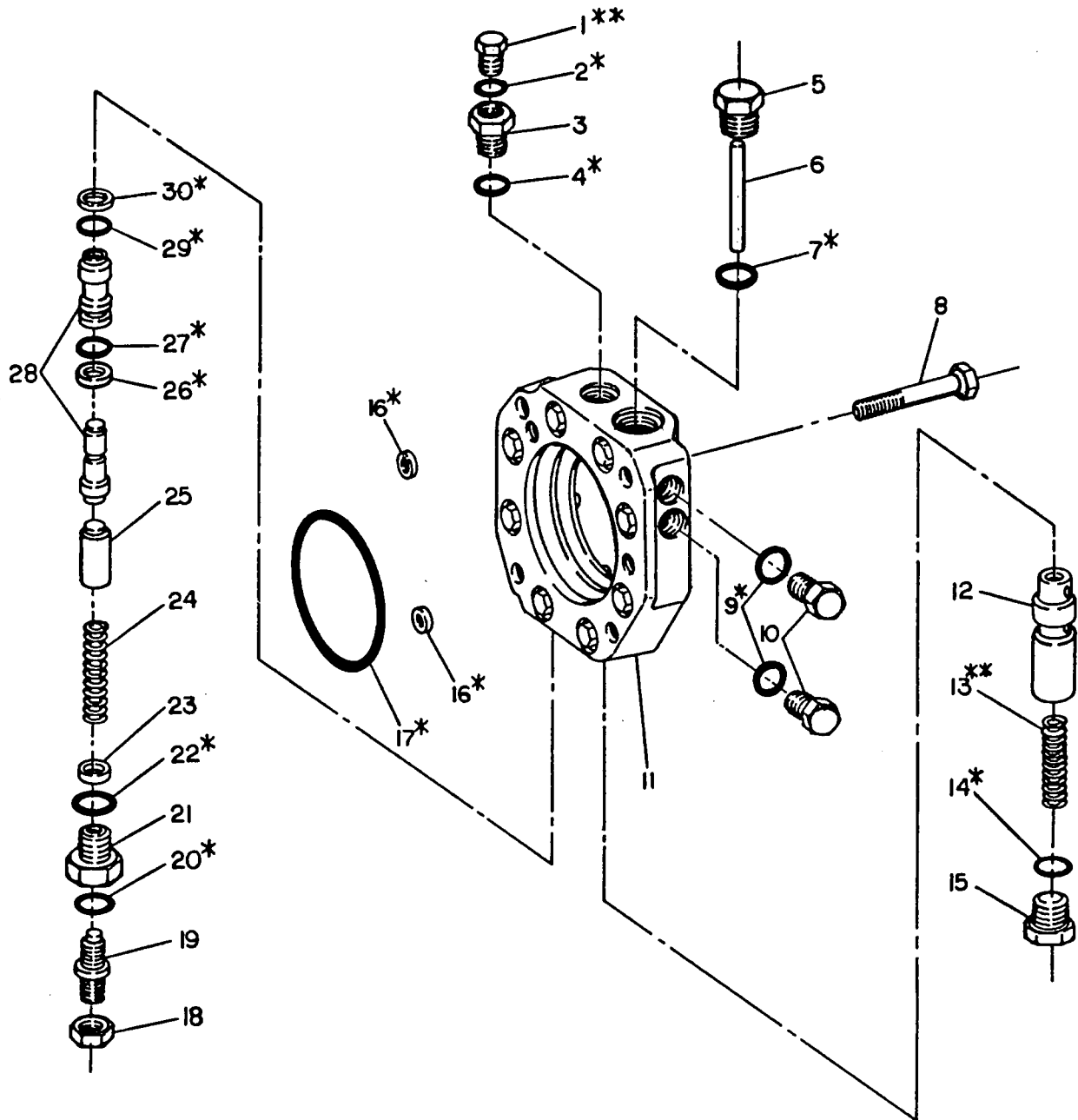
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			DRAIN PLUG (NOT USED, HPC PORT)	1
2			'O' RING	1
3			PLUG	1
4			'O' RING	1
5			DRAIN PLUG	1
6			PIN	1
7			'O' RING	1
8			CAP SCREW	4
9			'O' RING	2
10			DRAIN PLUG	2
11			HOUSING	1
12			CRANK CASE VALVE	1
13			SPRING (NOT USED, REQUIRES REMOVAL)	1
14			'O' RING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

DESCRIPTION

HYDRAULIC PUMP

PART NO.

01-006900



PUMP STROKE VALVE ASSEMBLY

NOTE:

**NOT USED, REQUIRES REMOVAL

DESCRIPTION

HYDRAULIC PUMP

PART NO.

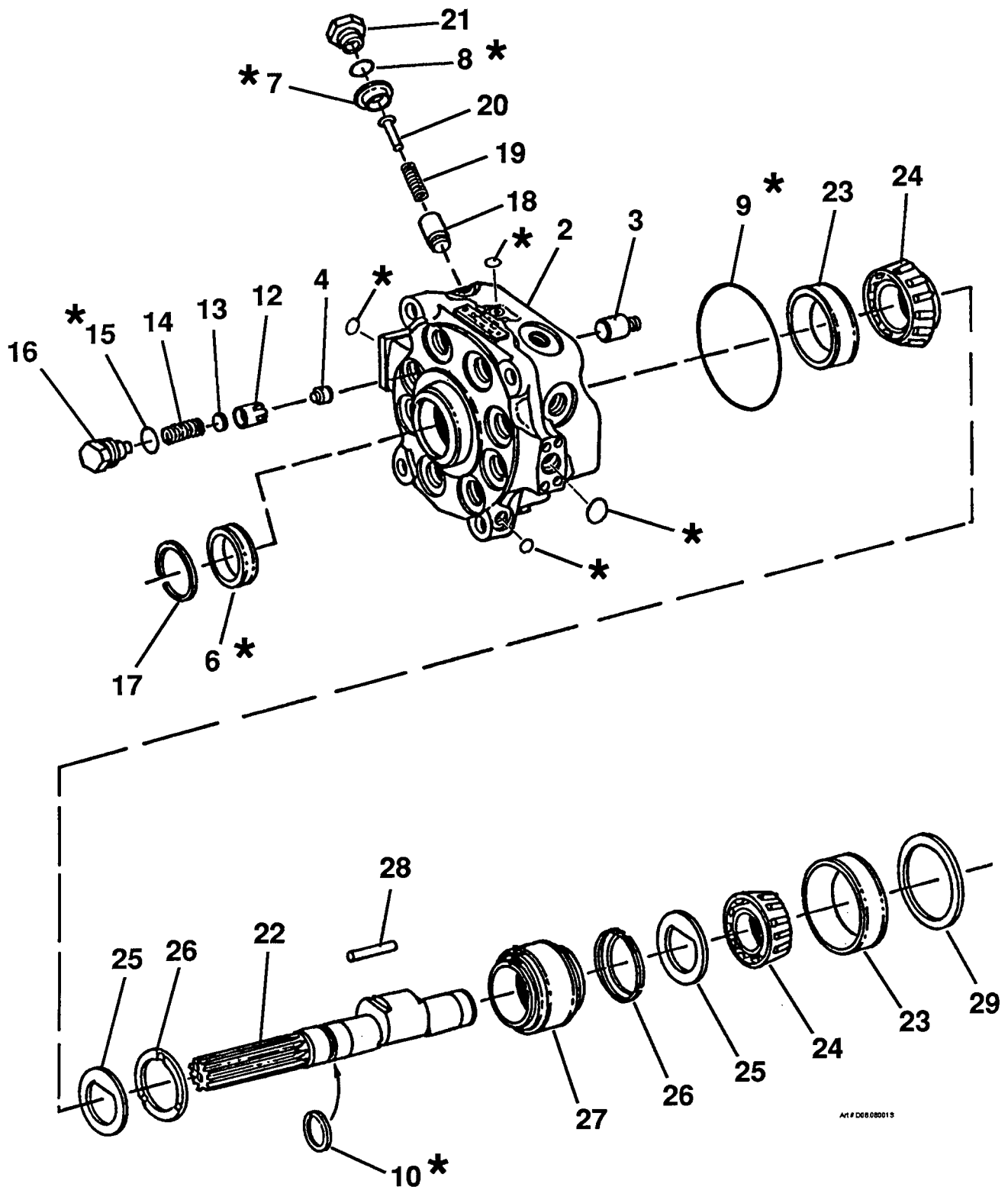
01-006900

PARTS LIST

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

TITLE HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

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



A1# D08.0801S

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09/27/91

PART
NO.

01-018600

PLATE
NO.

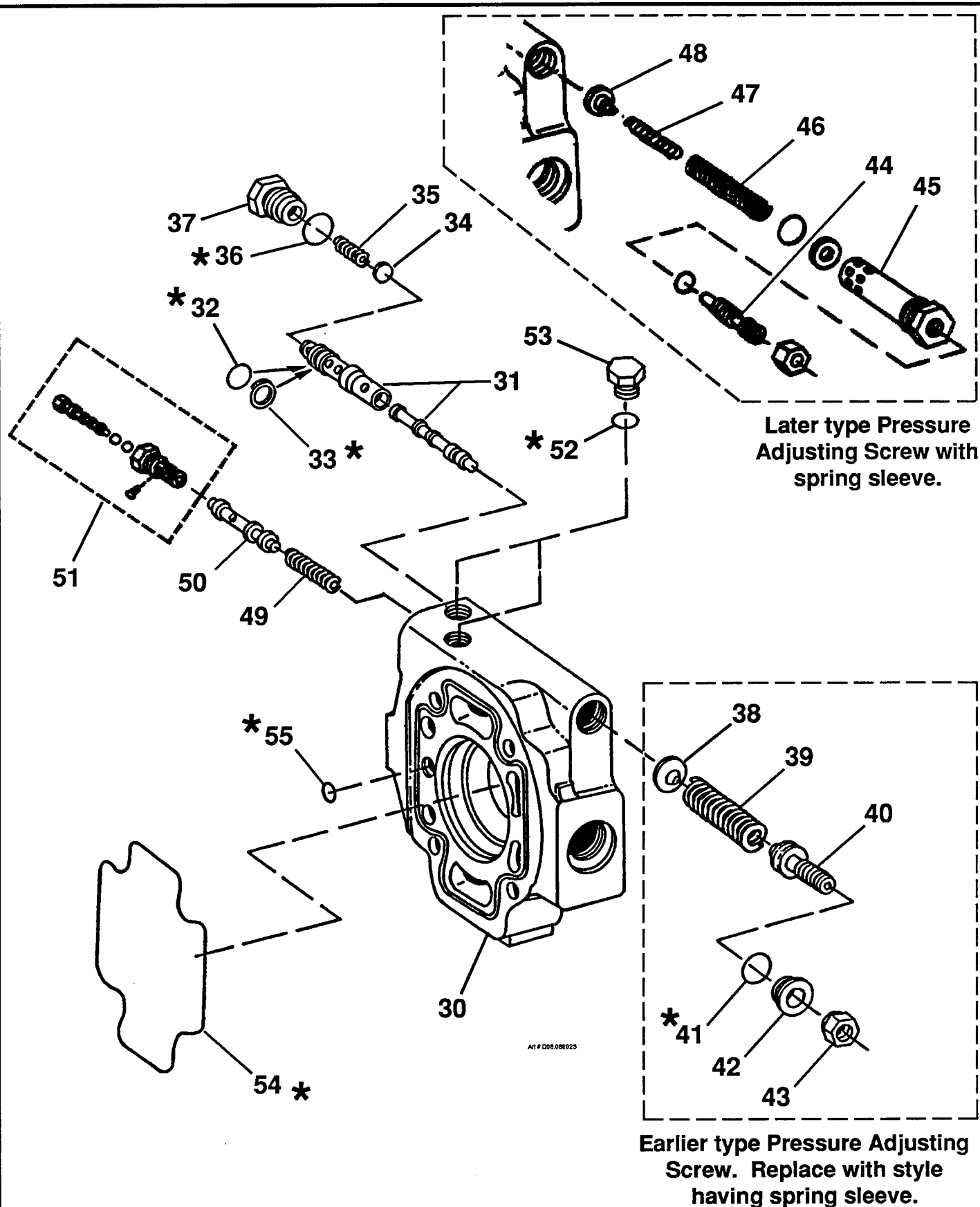
D08.08

PARTS LIST

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

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

PLATE NO.	D08.08	SIMON AERIALS INC.	REV. 05/24/91	PART NO. 01-018600
-----------	--------	---------------------------	---------------	--------------------



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

SIMON AERIALS INC.

REV. 09/27/91

PART
NO.

01-018600

PLATE
NO.

D08.08

PARTS LIST

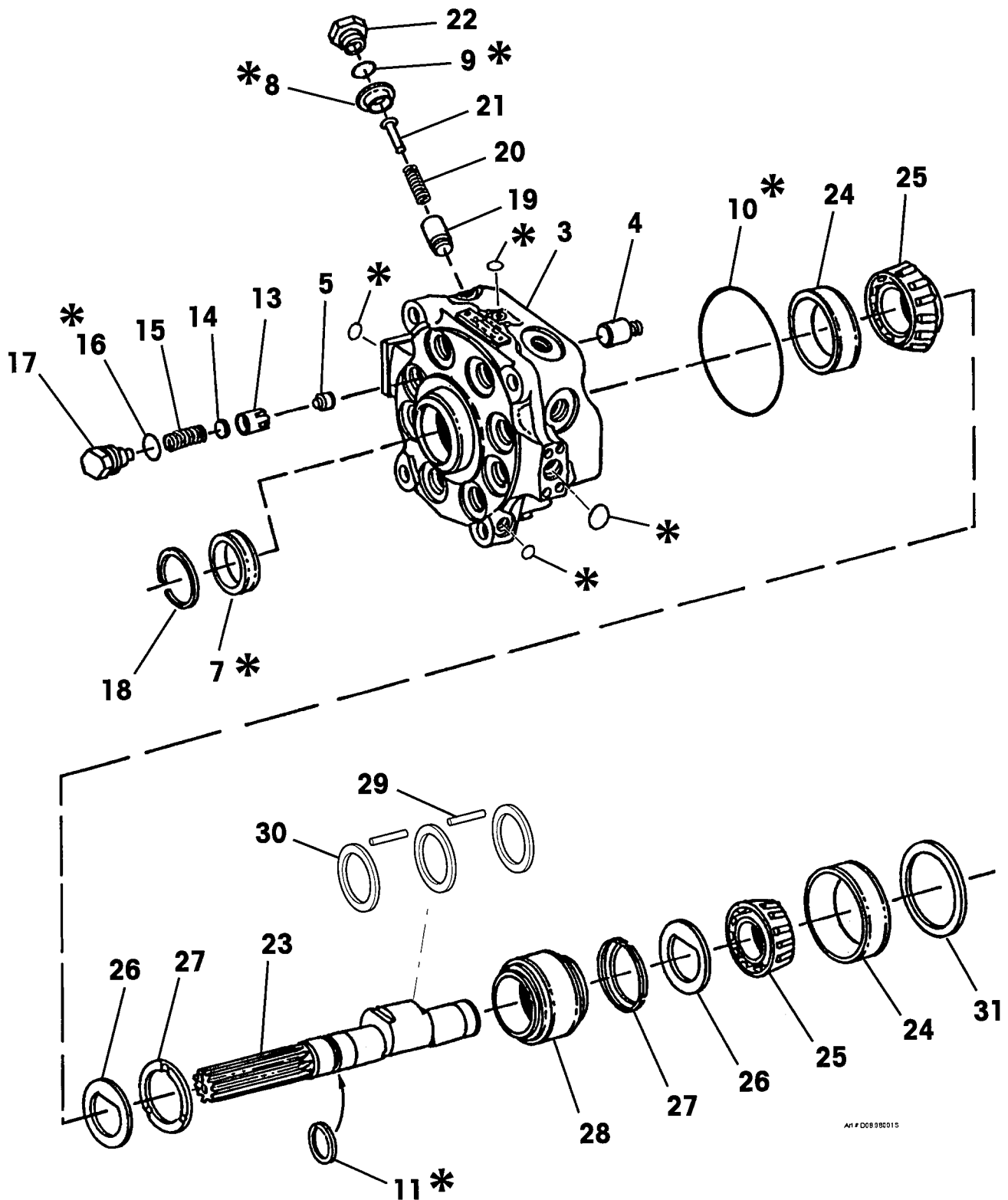
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-206900		PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "*ROPV 312 XXXXX*" and "24 71 R11531")	1
2	01-019500 01-018700		HPR 50 (marked "*ROPV 322 XXXXX*" and "24 72 R11531") HPR 65 (marked "*ROPV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

TITLE

HYDRAULIC PUMP ASSEMBLY

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

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



Art # D08980015

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

TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV. A

DATED 08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

01

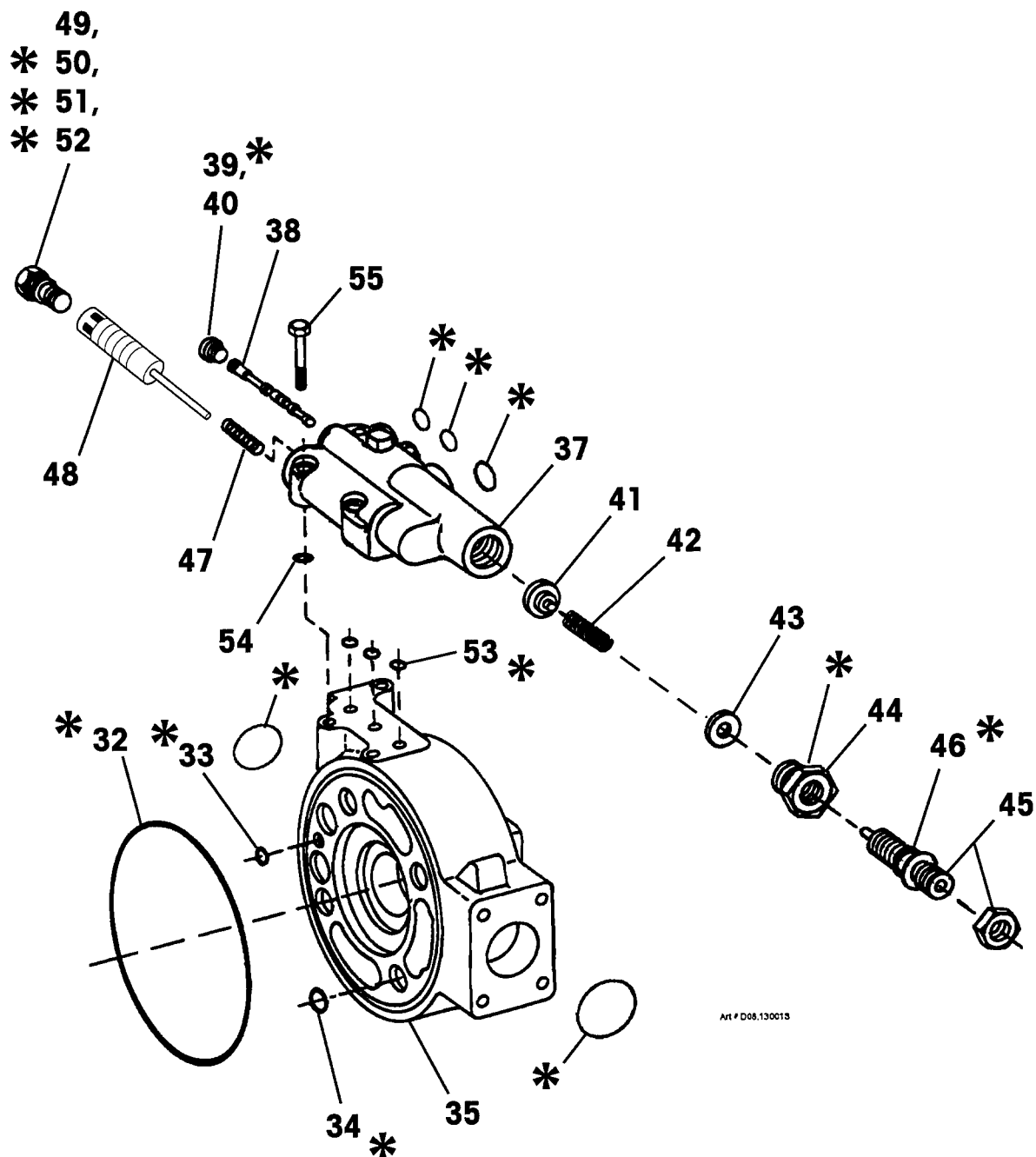
PARTS LIST

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

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

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

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



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

TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

02

PARTS LIST

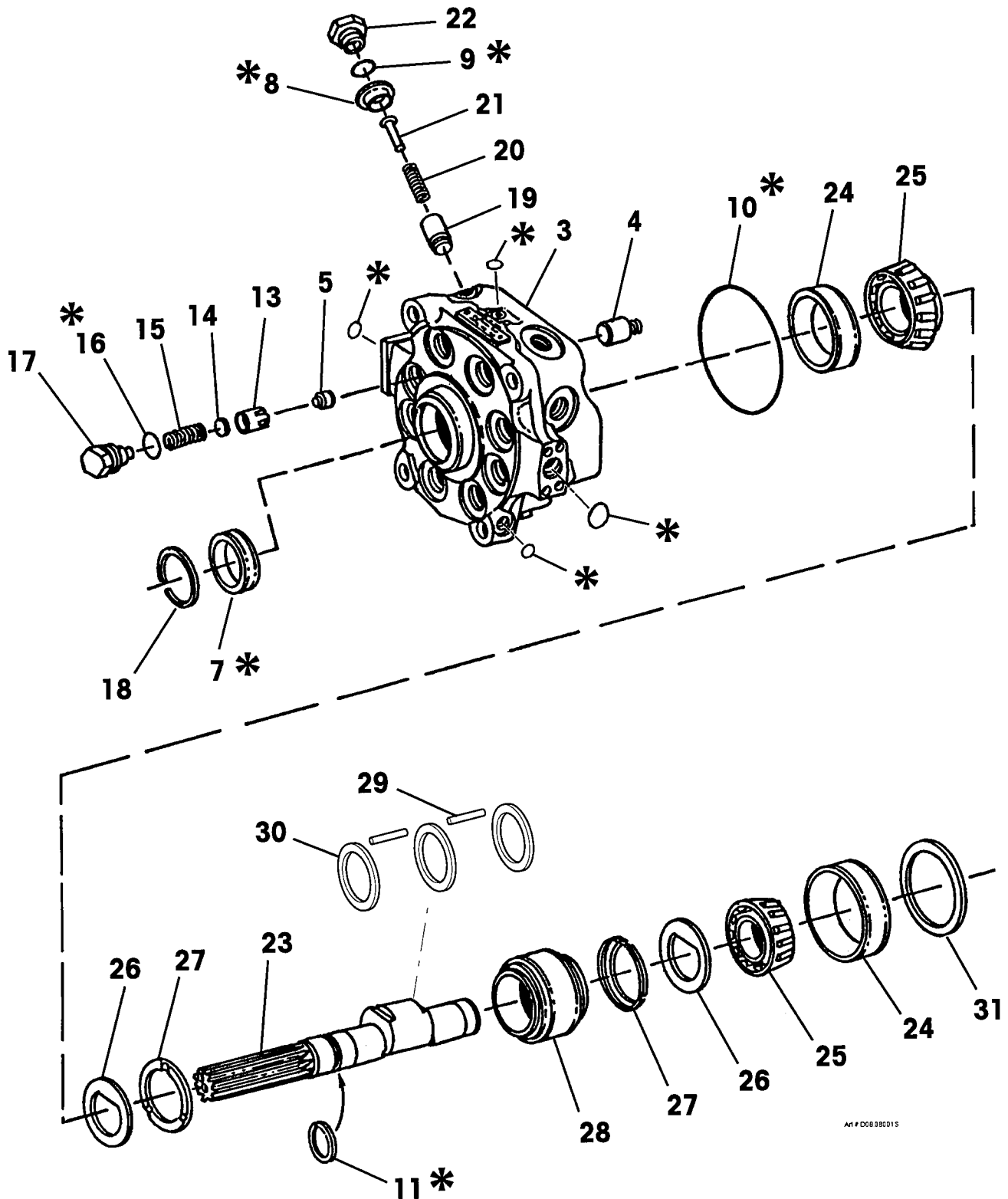
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Hydraulic Pump:	
			Suction Fittings:	
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose (32 C4-32 FL90) 90°, 2" SAE flange to 2" hose (23867-32-32 FC) (Obsolete. Use 06-216100 and 06-214400.)	1
	06-214300		90°, 2" stem to 1-1/2" hose (24-32 FL90)	
	06-195700		90°, 2" SAE flange to 1-1/2" hose (23867-24-32 FC) (Obsolete. Use 06-214300 and 06-214400.)	
	06-216200 06-195600		45°, 2" stem to 1-1/2" hose (24-32 FL45) 45°, 2" SAE flange to 1-1/2" hose (23868-24-32 FC) (Obsolete. Use 06-216200 and 06-214400.)	
			Pressure Fittings:	
58	06-213800		FLANGE KIT, PRESSURE FITTING (16 CFHS-87989) (includes two halves and mounting hardware)	1
59			ADAPTER, STEM	1
	06-213900		(16 FL5K-12MJ90)	
	06-215700		(16 FL5K-16MJ90)	
60	06-202100		FITTING, COMPANION FLANGE (L1-16-16S-30) (Obsolete. Use 06-213800 and 06-213900.)	
61	06-195800 06-215800		FITTING KIT, FLANGE (SAE #16, 4 bolt) (5151 HK-16) (Obsolete.) 45° ELBOW, "O"-RING TO 37° (10 V50X-S)	1

TITLE

HYDRAULIC PUMP ASSEMBLY

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

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



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

TITLE

HYDRAULIC PUMP ASSEMBLY

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

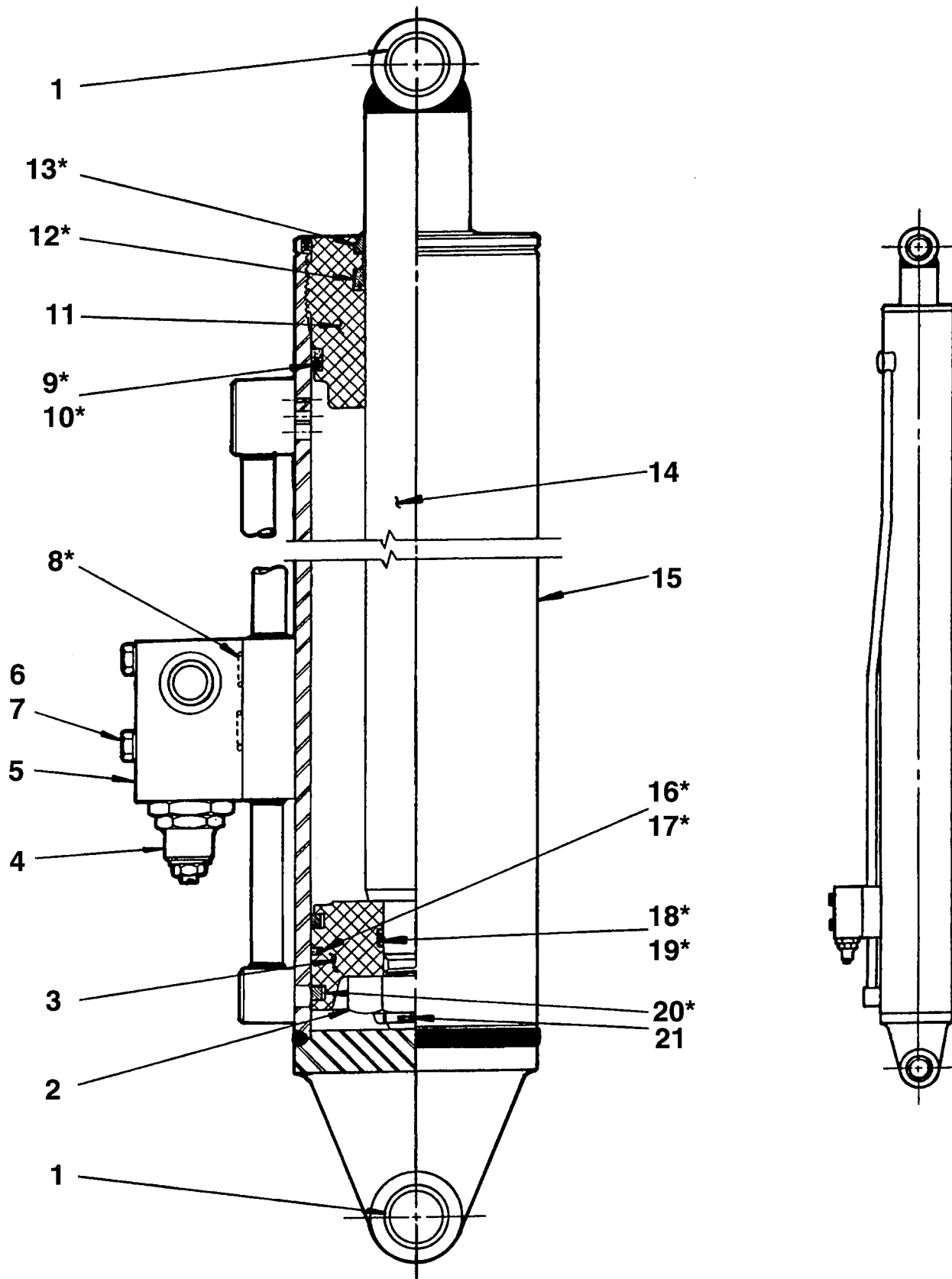
13

PAGE

03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BUSHING	4
2			NUT, PISTON	1
3			PISTON	1
4			VALVE, HOLDING	1
5			VALVE BLOCK ASSEMBLY	1
6			CAPSCREW, HEX HEAD	4
7			WASHER, LOCK	4
8*			O-RING	2
9*			O-RING	1
10*			RING, BACK-UP	1
11			GLAND, HEAD	1
12*			SEAL, ROD	1
13*			WIPER	1
14			ROD	1
15			CASE	1
16*			SEAL, PISTON	1
17			O-RING	1
18*			O-RING	1
19*			RING, BACK-UP	1
20*			RING, PISTON	2
21			KEY, COTTER	1
*	04-001801		SEAL KIT	1
TITLE LIFT CYLINDER				
PLATE NO.	D09.14	SIMON AERIALS INC.		PART NO. 04-008800

REV. 11/30/90



TITLE

LIFT CYLINDER

SIMON AERIALS INC.

REV. 11/30/90

PART
NO.

04-008800

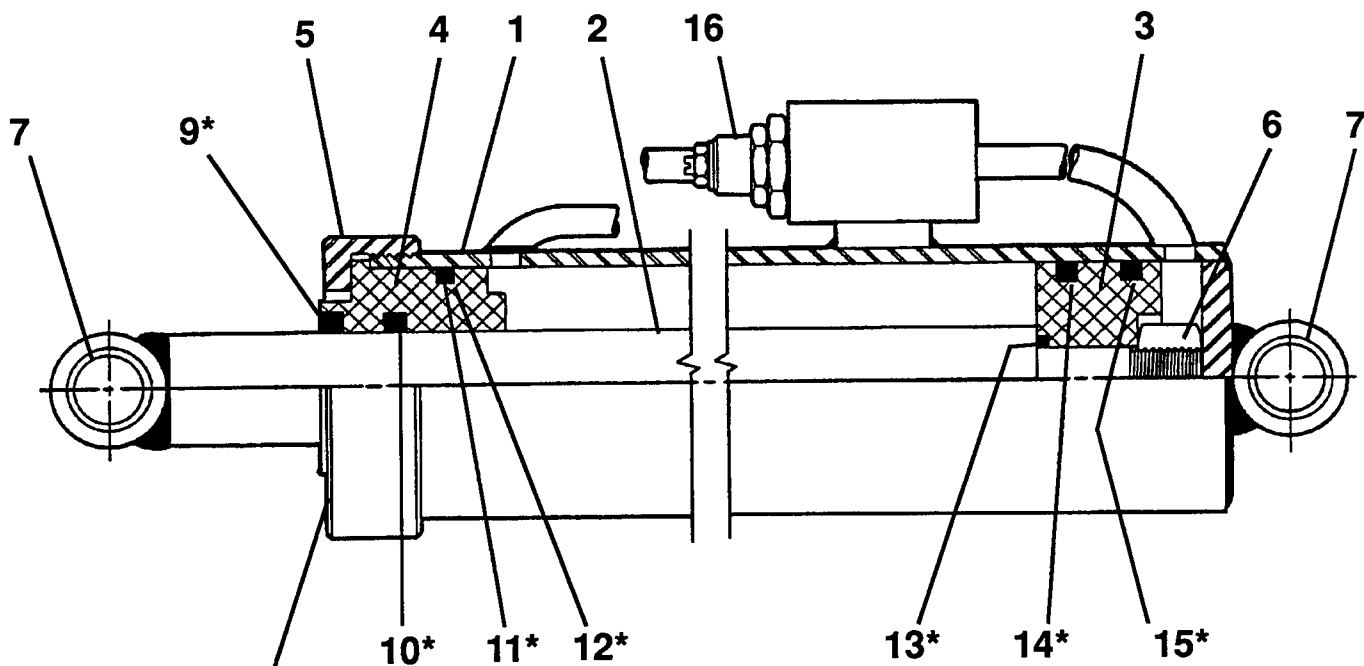
PLATE
NO.

D09.14

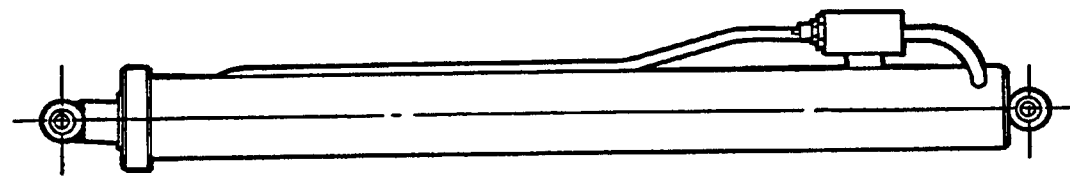
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Identifying features of cylinder 04-005200: 1. No set screw on head gland.	
1	04-005202		CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, HEAD GLAND RETAINING	1
6			NUT, PISTON ROD (2"-12)	1
7	04-005203		BUSHING	4
8	04-035201		SEAL KIT (not for use with water-glycol hydraulic fluid) Note: Items in kit identified by asterisk (*).	1
9			WIPER, ROD	1
10			SEAL, ROD	1
11			"O"-RING	1
12			WASHER, BACKUP	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			SEAL, PISTON	1
			The following items are not part of the cylinder assembly:	
16	04-021402		VALVE, HOLDING	2
TITLE LIFT CYLINDER, 66.5" (1.69 M) STROKE				
PLATE NO.	D09.15	SIMON AERIALS INC.		PART NO. 04-005200

LIFT CYLINDER, 66.5" (1.69 M) STROKE

04-005200



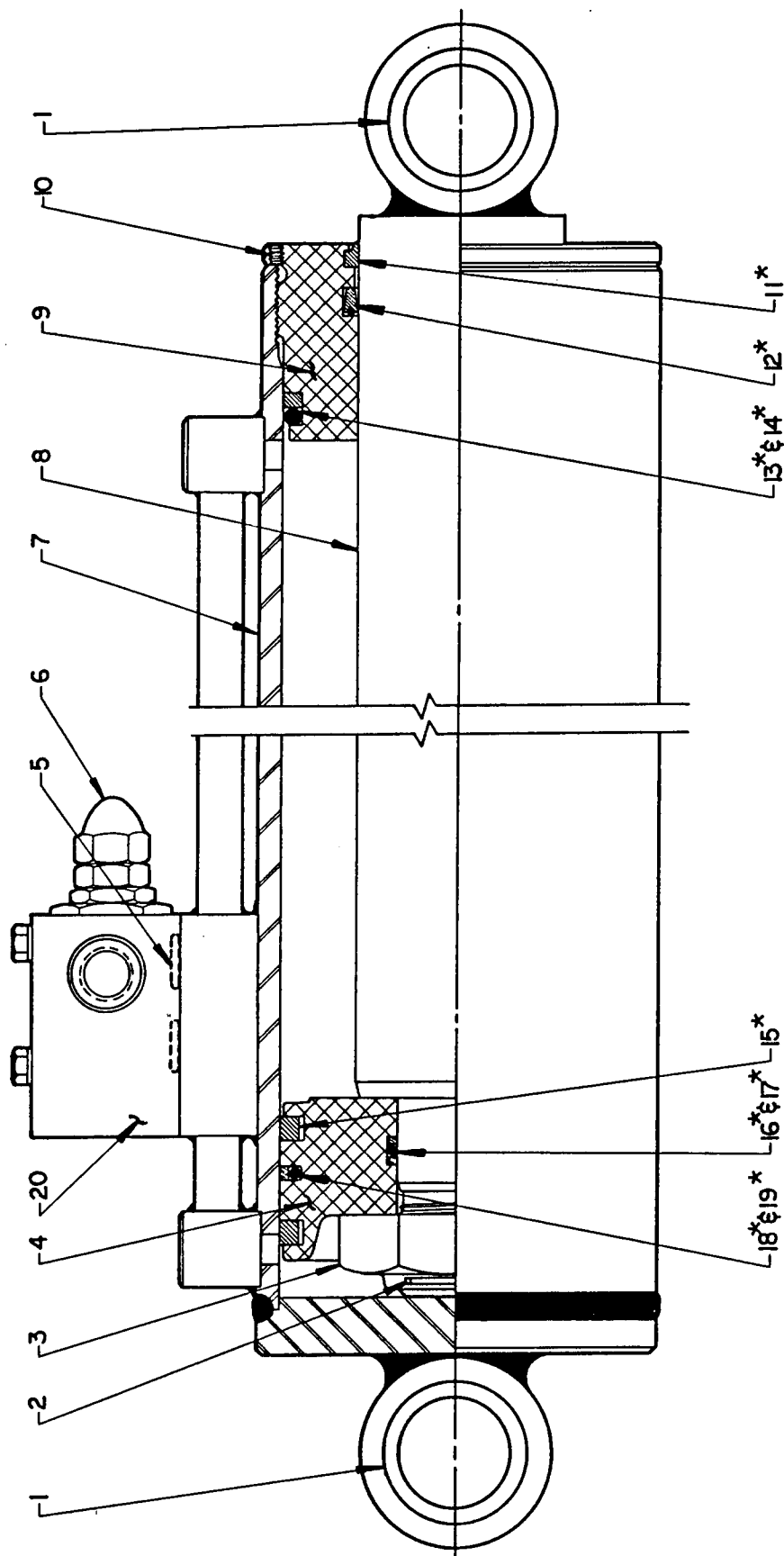
Note: Head gland with no set screw.



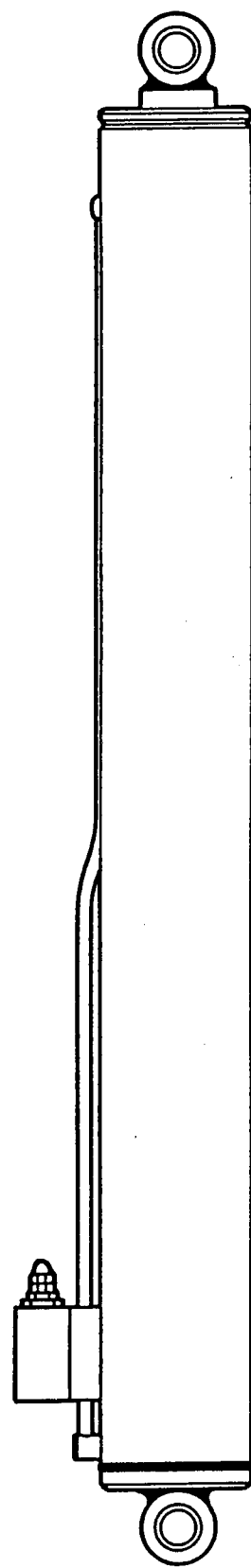
TITLE	LIFT CYLINDER, 66.5" (1.69 M) STROKE		
SIMON AERIALS INC.	PART NO. 04-005200	PLATE NO. D09.15	
REV. 05/10/91			

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-023900		BUSHING	4
2			COTTER KEY	1
3			PISTON NUT	1
4			PISTON	1
5			'O' RING	2
6			HOLDING VALVE	1
7			CASE	1
8			ROD	1
9			HEAD GLAND	1
10			SET SCREW	1
11*			WIPER	1
12*			ROD SEAL	1
13*			'O' RING	1
14*			BACK-UP RING	1
15*			PISTON RING	2
16*	04-010901		'O' RING	1
17*			BACK-UP RING	2
18*			'O' RING	1
19			PISTON SEAL	1
20			VALVE BLOCK	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
LIFT CYLINDER			04-010900	



NOTE:
*SEAL KIT P/N 04-010901



1085/0985

DESCRIPTION

LIFT CYLINDER

PART NO.

04-010900

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	04-035800		CYLINDER ASSEMBLY, BOOM LIFT For Models MPH 80, MP 95, RP120 "Reach Plus" (without pads for boom angle sensors)	1
	2144320		For Model MP 110 (with pads for boom angle sensors)	1
1			CASE, CYLINDER (when used on model MP 110, must be modified by adding pads for boom angle sensors)	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, PISTON ROD	1
6	04-035802		BUSHING	4
7	04-035801		SEAL KIT (not for use with water-glycol hydraulic fluid) Note: Items in kit identified by asterisk (*).	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	4
11			"O"-RING	1
12			RING, BACKUP	1
13			"O"-RING	1
14			RING, BACKUP	1
15			"O"-RING	1
16			SEAL, PISTON	1
17			RING, PISTON WEAR	2
18			VALVE BLOCK	1
19			"O"-RING	2
20			CAP SCREW, HEX HEAD (3/8"-16 x 3")	4
21			WASHER, LOCK	4
			The following item is not part of the cylinder assembly:	
22	01-222000		VALVE, COUNTERBALANCE (Holding valve) 10:1 (Factory set at 4900 PSI [338 Bar] [344.5 Kg/ cm ²]) (For units built after approximately 10 December 1992. Supercedes 04-021402 as replacement on earlier units.)	1
	04-021402		25:1 Ratio (Originally supplied on units built through about 10 December 1992. Has been superceded by 01-222000.)	

TITLE LIFT CYLINDER, 62.0" (1.58 M) STROKE

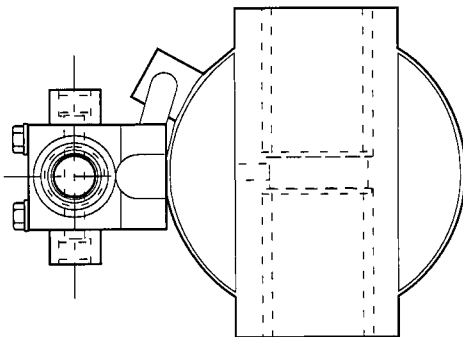
PLATE NO. D09.39 **SIMON AERIALS INC.**

REV. 15 FEB., 1995

PART NO. 04-035800

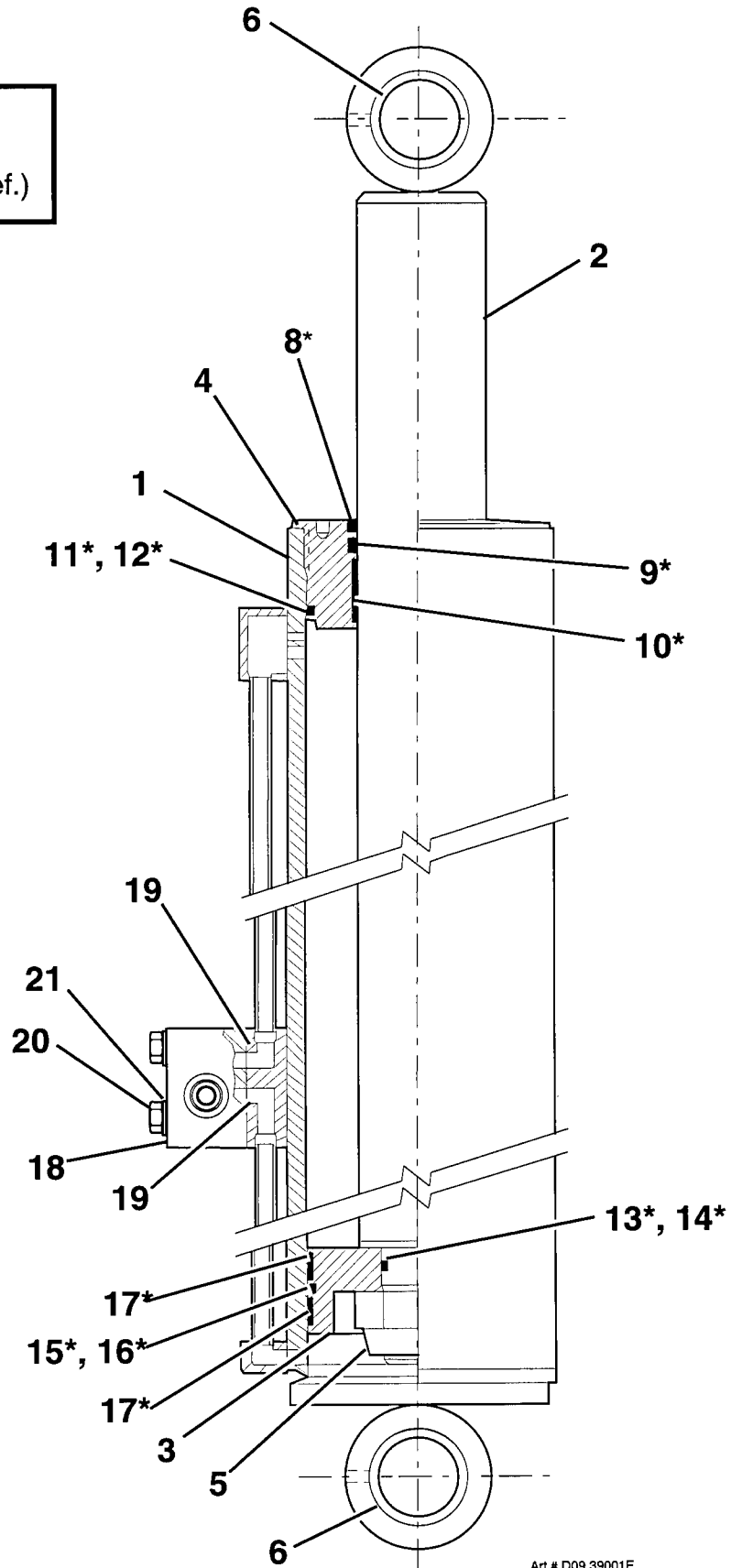
Note:

85" (2.16 M) fully retracted,
147" (3.73 M) fully extended (ref.)



Art # D09.39002E

View of Base End



Art # D09.39001E

TITLE

LIFT CYLINDER, 62.0" (1.58 M) STROKE

SIMON AERIALS INC.

REV. 15 FEB., 1995

**PART
NO.**

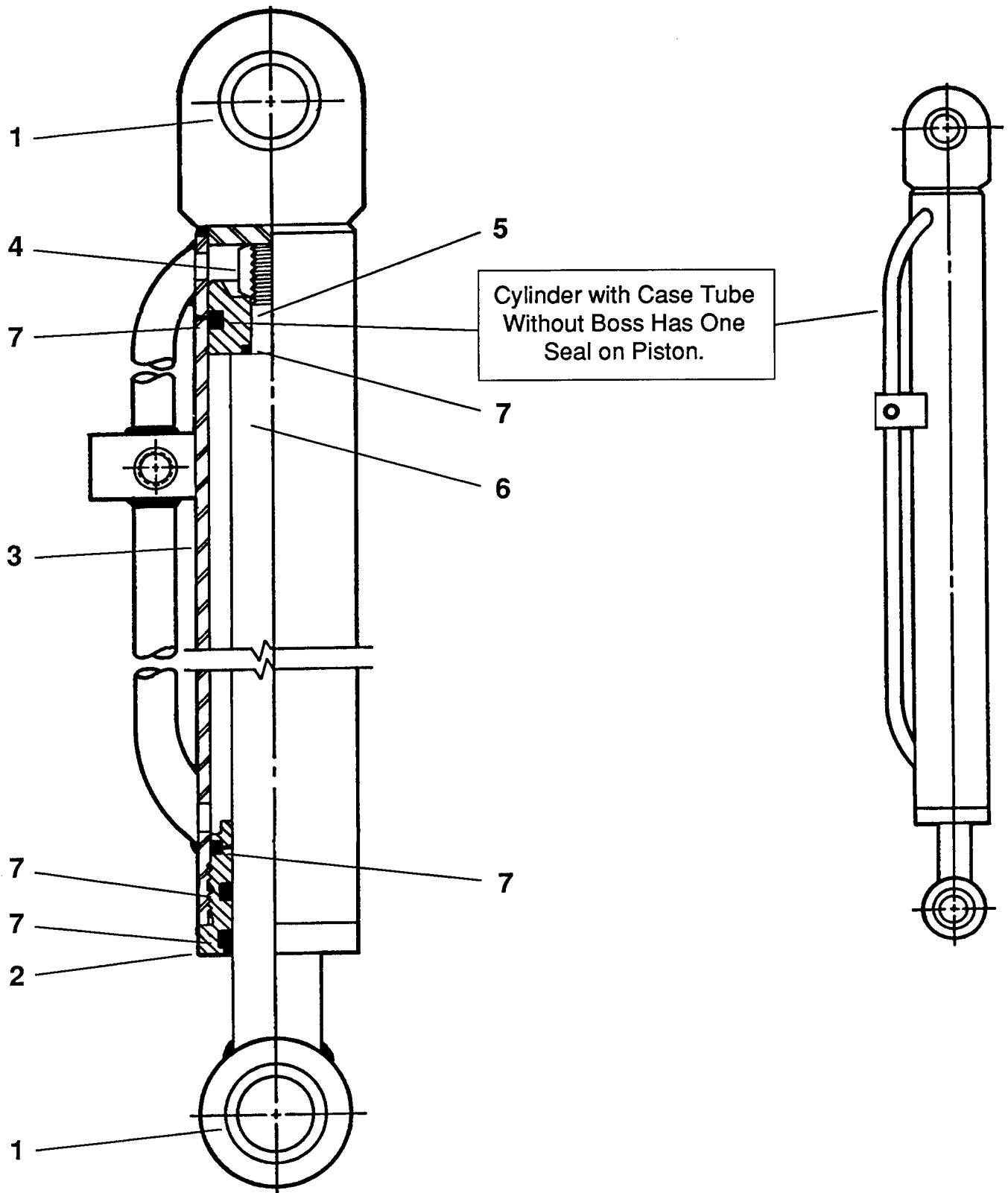
04-035800

**PLATE
NO.**

D09.39

[illegible]

PLATE NO.	D10.02	SIMON AERIALS INC.	REV. 05/02/91	PART NO.	04-007400
-----------	--------	--------------------	---------------	----------	-----------



TITLE

MASTER LEVEL CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART NO. 04-007400

PLATE NO. D10.02

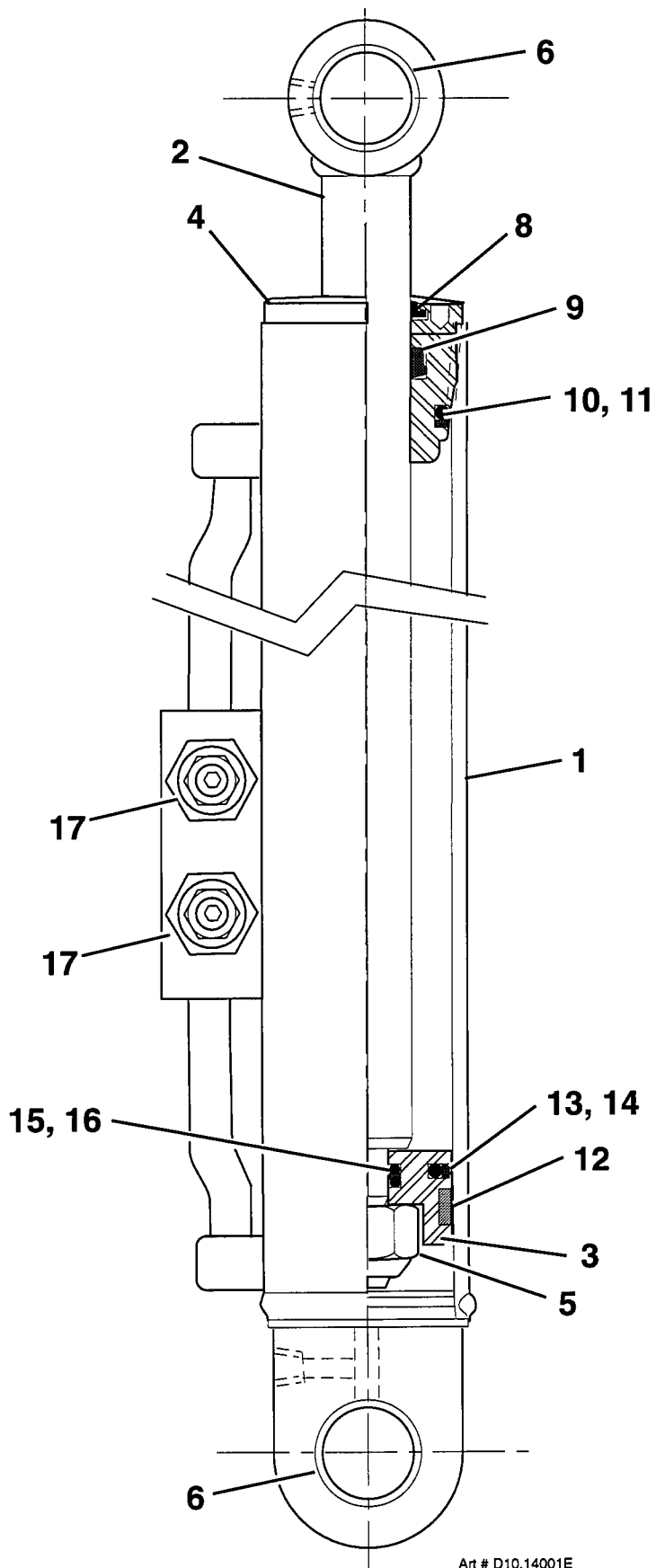
[illegible]

PLATE NO. D10.14

SIMON AERIALS INC.

NEW 27 APR., 1994

PART NO. 04-035500



Art # D10.14001E

TITLE

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

SIMON AERIALS INC.

NEW 27 APR., 1994

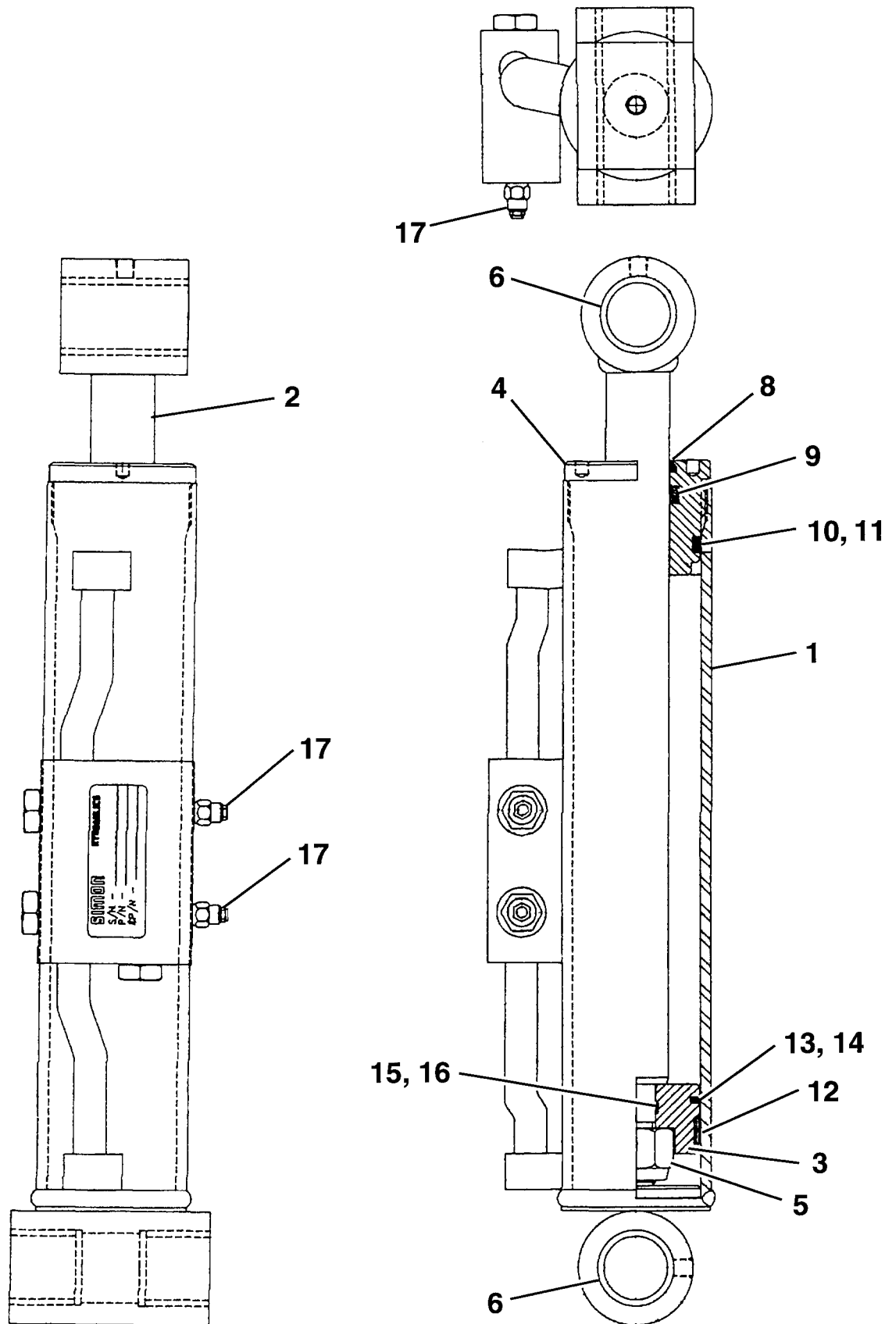
PART
NO.

04-035500

PLATE
NO.

D10.14

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



TITLE

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

SIMON AERIALS INC.

NEW 03 DEC., 1992

PART
NO.

04-032600

PLATE
NO.

D10.101

PARTS LIST

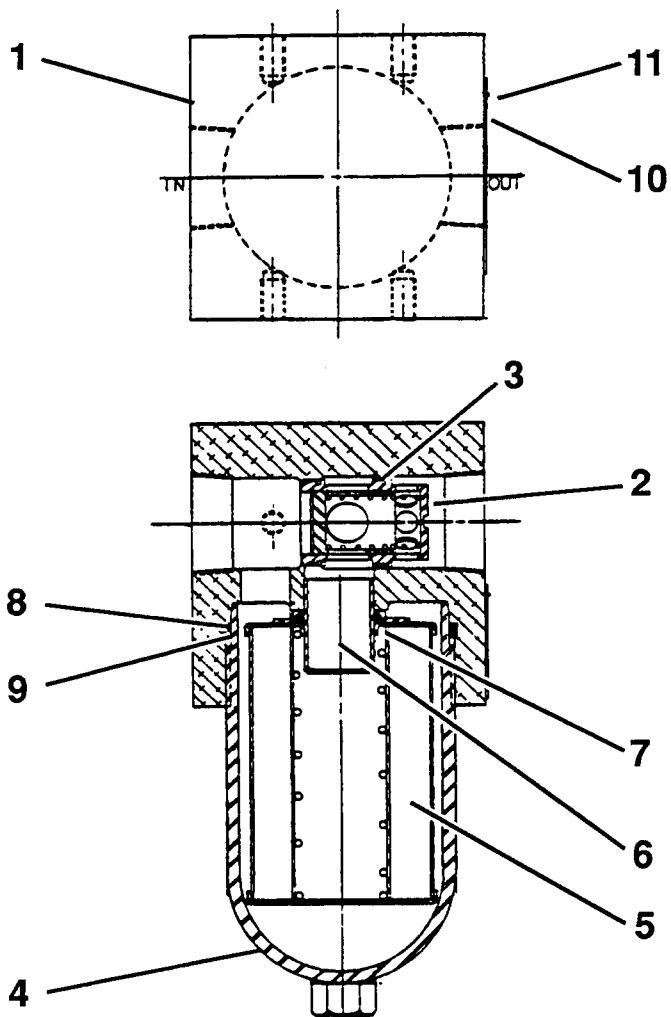
[illegible]

HIGH PRESSURE FILTER

D11.01

REV. 05/02/91

01-035100



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

01-035100

PLATE
NO.

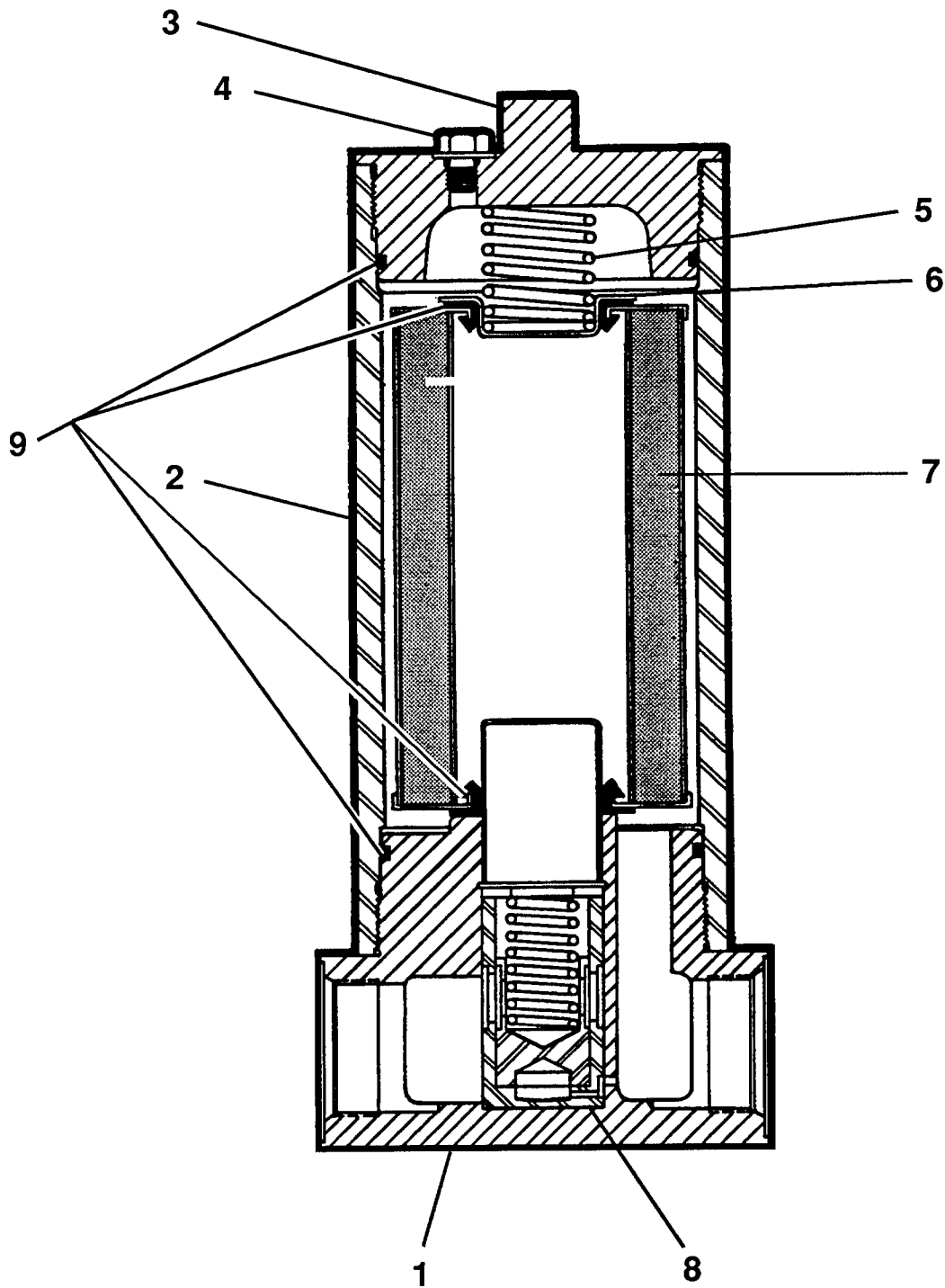
D11.01

PARTS LIST

[illegible]

HIGH PRESSURE FILTER

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



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

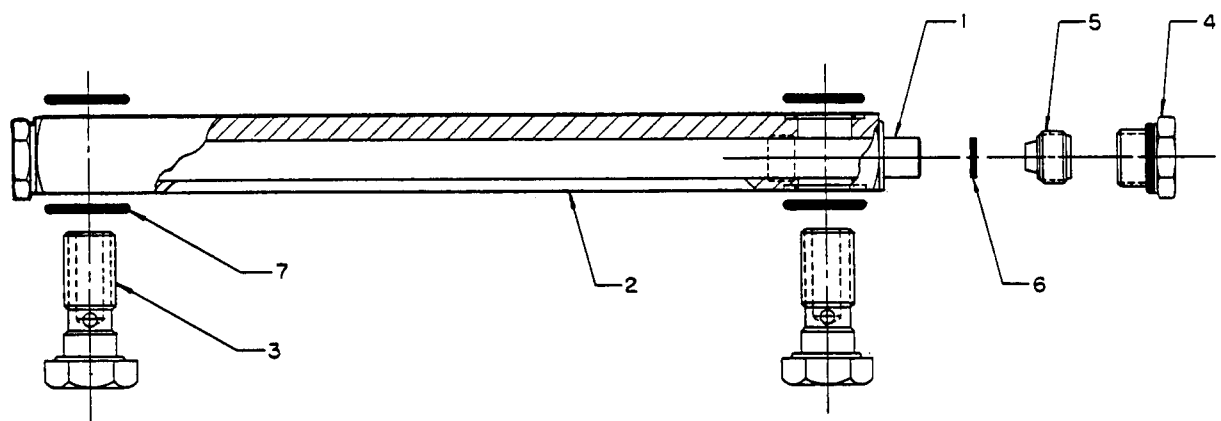
01-014000

PLATE
NO.

D11.03

PARTS LIST

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



0684/0184

DESCRIPTION

SIGHT GAUGE 12"

PART NO.

10-033500

PARTS LIST

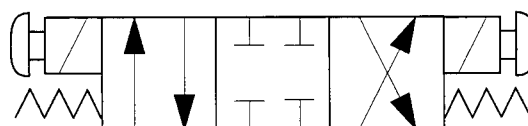
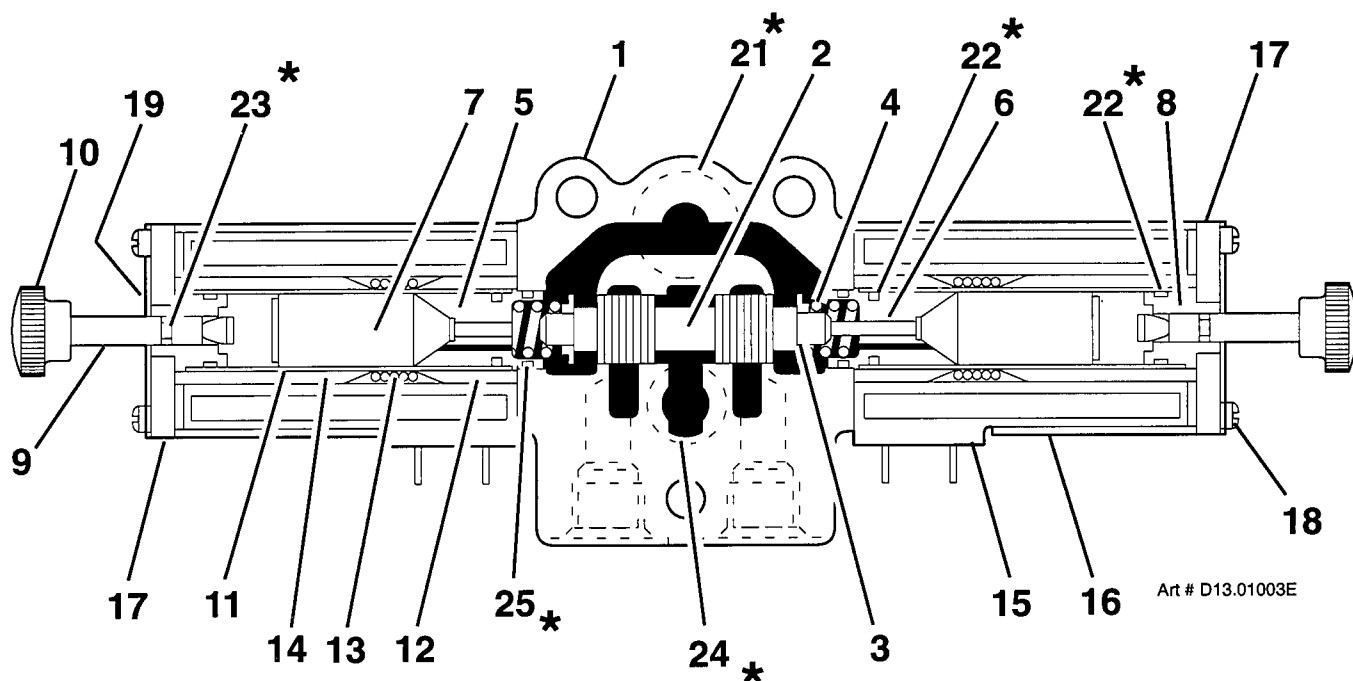
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031707		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705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

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

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

REV. 20 SEP., 1995

PART NO. 01-031700



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

SIMON AERIALS INC.

REV. 20 SEP., 1995

PART NO.

01-031700

PLATE NO.

D13.01

PARTS LIST

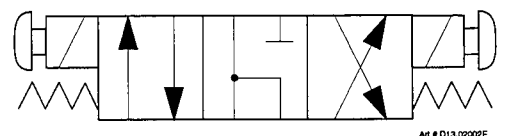
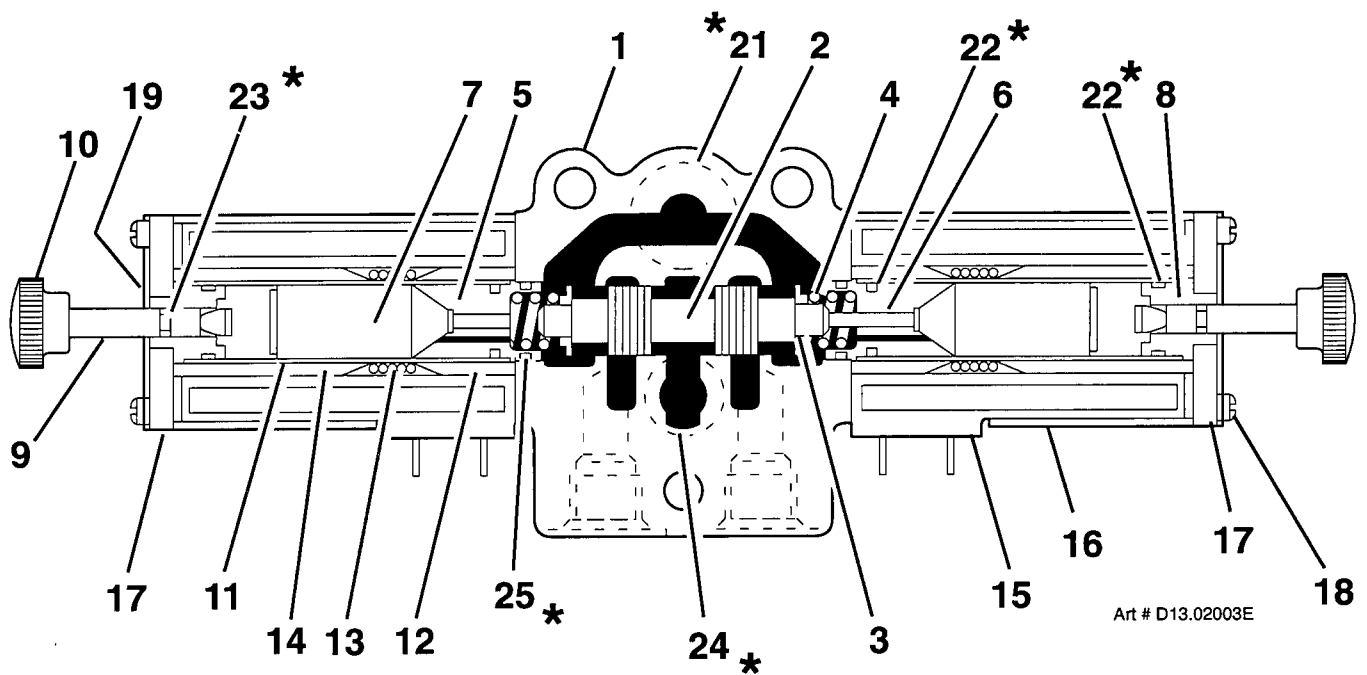
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031801		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		KNOB	2
11	01-031718		TUBE, GUIDE	2
12	01-031717		SLEEVE, FLUX (Inner)	2
13	01-031715		SPRING	2
14	01-031716		SLEEVE, FLUX (Outer)	2
15	01-031701		COIL (12 Volt DC)	2
	01-031802		COIL (24 Volt DC)	2
16	01-031713		CASE, SOLENOID	2
17			PLATE, END	2
18	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	8
19			NAMEPLATE	1
20	01-031712		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
21	01-031703		RING, QUAD (1-1/16" O.D.)	1
22	01-031710		O-RING	4
23	01-031709		O-RING	2
24	01-031702		RING, QUAD (3/4" O.D.)	1
25	01-031711		O-RING	2

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

PLATE NO. D13.02 **SIMON AERIALS INC.**

REV. 20 SEP., 1995

PART NO. 01-031800



Art # D13.02002E

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

SIMON AERIALS INC.

REV. 20 SEP., 1995

PART NO.

01-031800

PLATE NO.

D13.02

PARTS LIST

[illegible]

TITLE

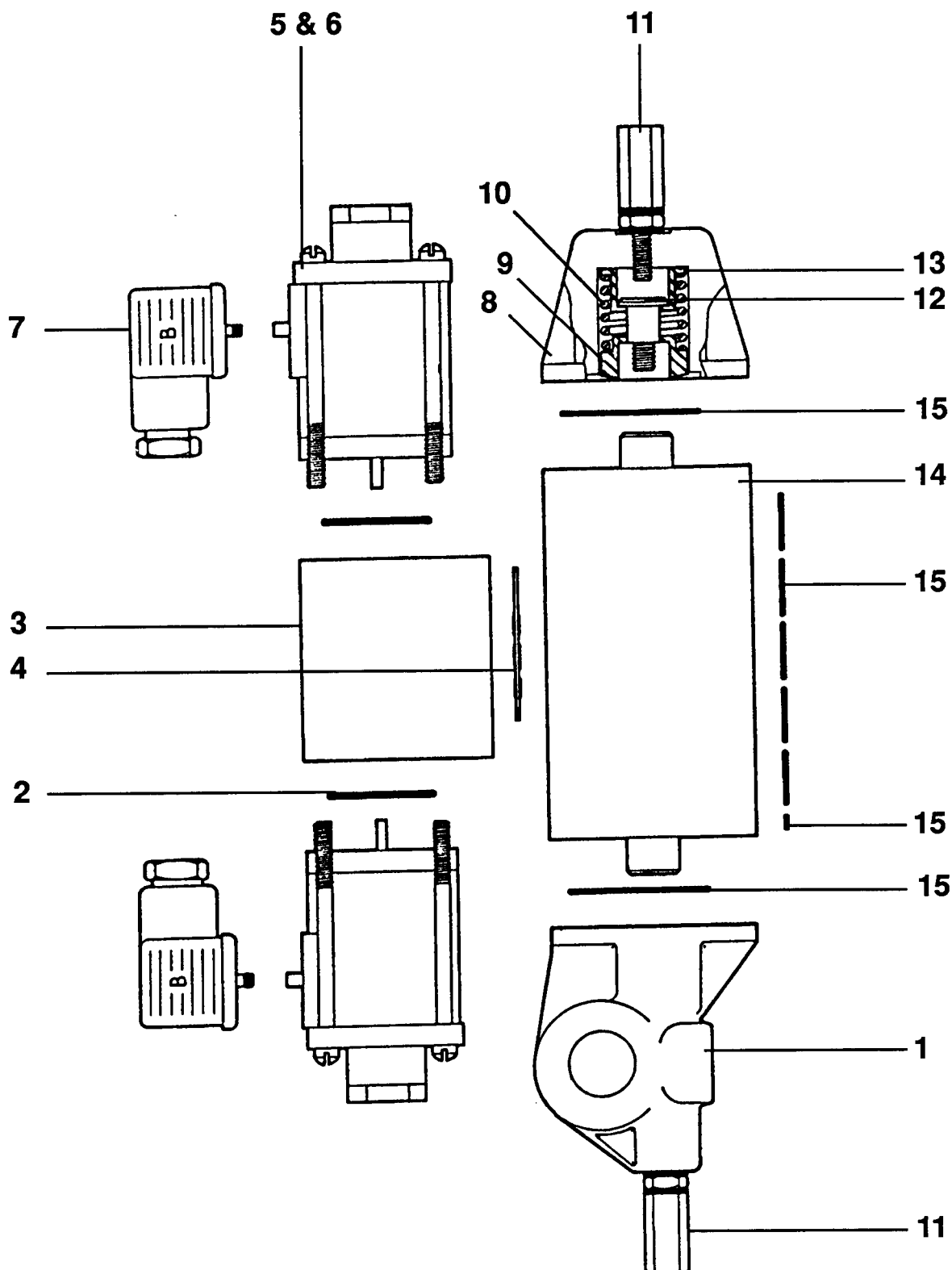
4-WAY VALVE ASSEMBLY

PLATE NO. D13.03

SIMON AERIALS INC.

REV. 13/08/91

PART NO.	01-040301 THRU 01-040304
-----------------	-----------------------------



TITLE

4-WAY VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 13/08/91

PART NO. 01-040301 THRU 01-040304

PLATE NO. D13.03

PARTS LIST

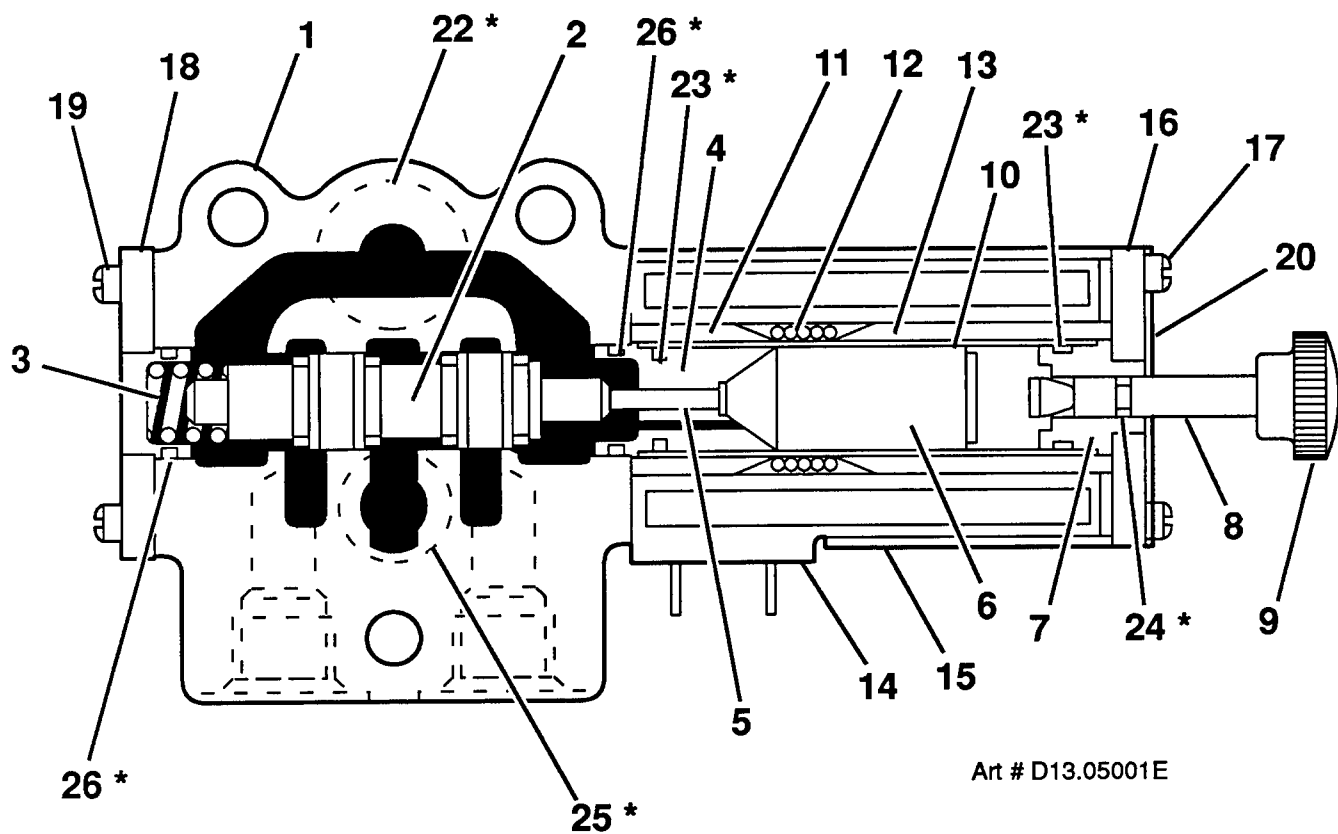
[illegible]

TITLE 4-WAY, 2 POSITION SOLENOID VALVE

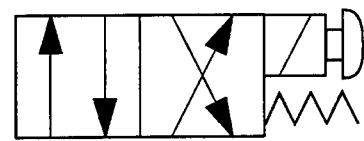
PLATE NO.	D13.05	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 06/24/91

PART NO. 01-061900



Art # D13.05001E



Art # D13.05002E

TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

PART
NO.

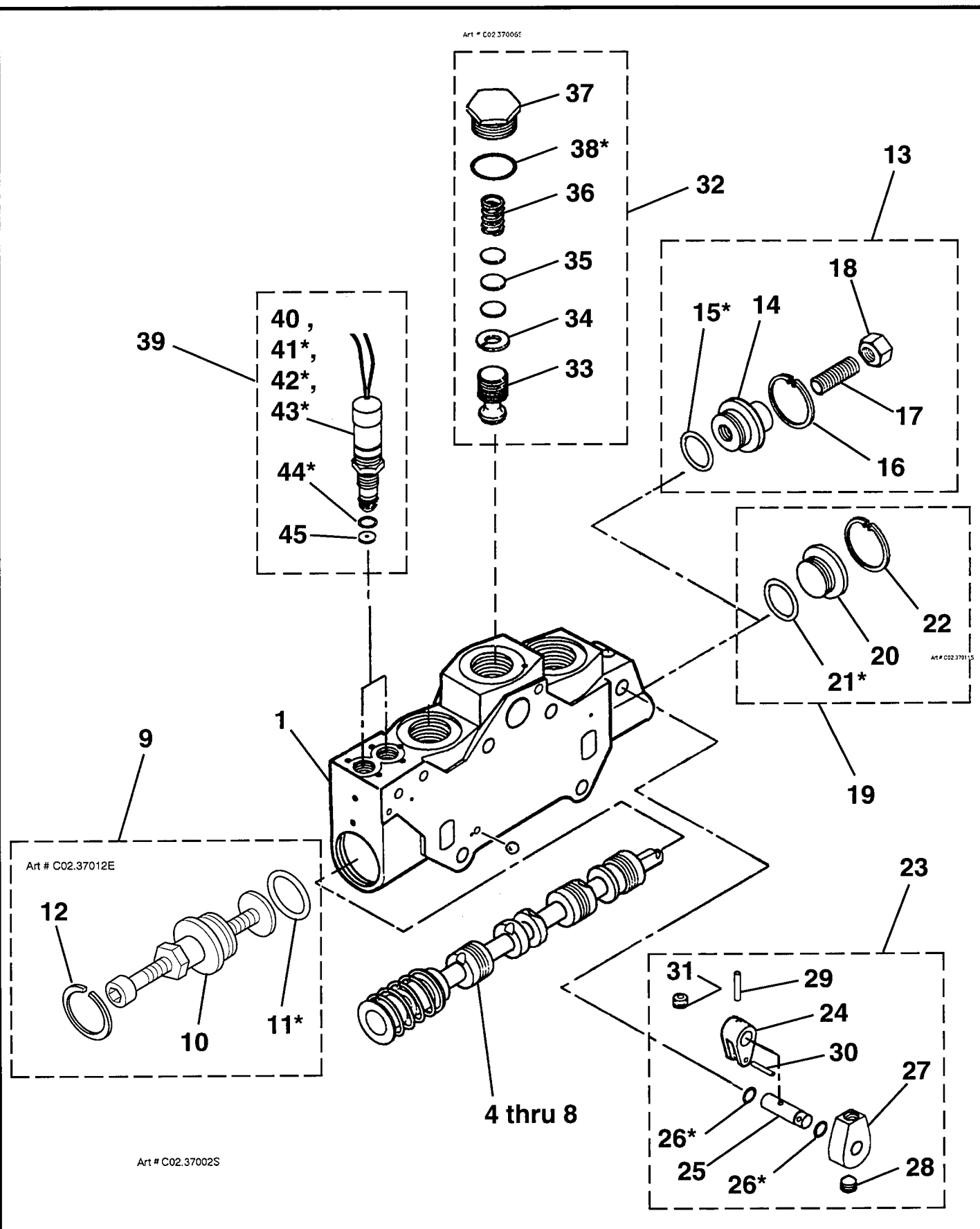
01-061900

PLATE
NO.

D13.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-234500 Call Simon		DRIVE VALVE SECTION for Model RP 46 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, DRIVE VALVE SECTION	1
2	01-211026 Call Simon		SEAL KIT, WORK SEGMENT (incl. all items with asterisk*) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
3		*	BALL (for housing cross port)	1
4	Call Simon		SPOOL KIT, DRIVE VALVE for first type valve bank assemblies (MP series only)	1
	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 Call Simon		for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies PLUG, CENTERING	1
10		*	"O"-RING	1
11			RING, RETAINING	1
12			FLOW LIMITER KIT	
13				
	01-211023 Call Simon		(Found on some units. Optional with End plug, Item 19) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
14		*	PLUG, ADJUSTMENT	1
15			"O"-RING	1
16			RING, RETAINING	1
17			SETSCREW	1
18			NUT, SEAL	1
19			PLUG KIT, END	
	01-211022 Call Simon		(Found on some units. Optional with Flow limiter, Item 13) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
20		*	PLUG	1
21			"O"-RING	1
22			RING, RETAINING	1
TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)				
PLATE NO.	D13.06	SIMON AERIALS INC.		PART NO.
REV. 16 FEB., 1996				

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

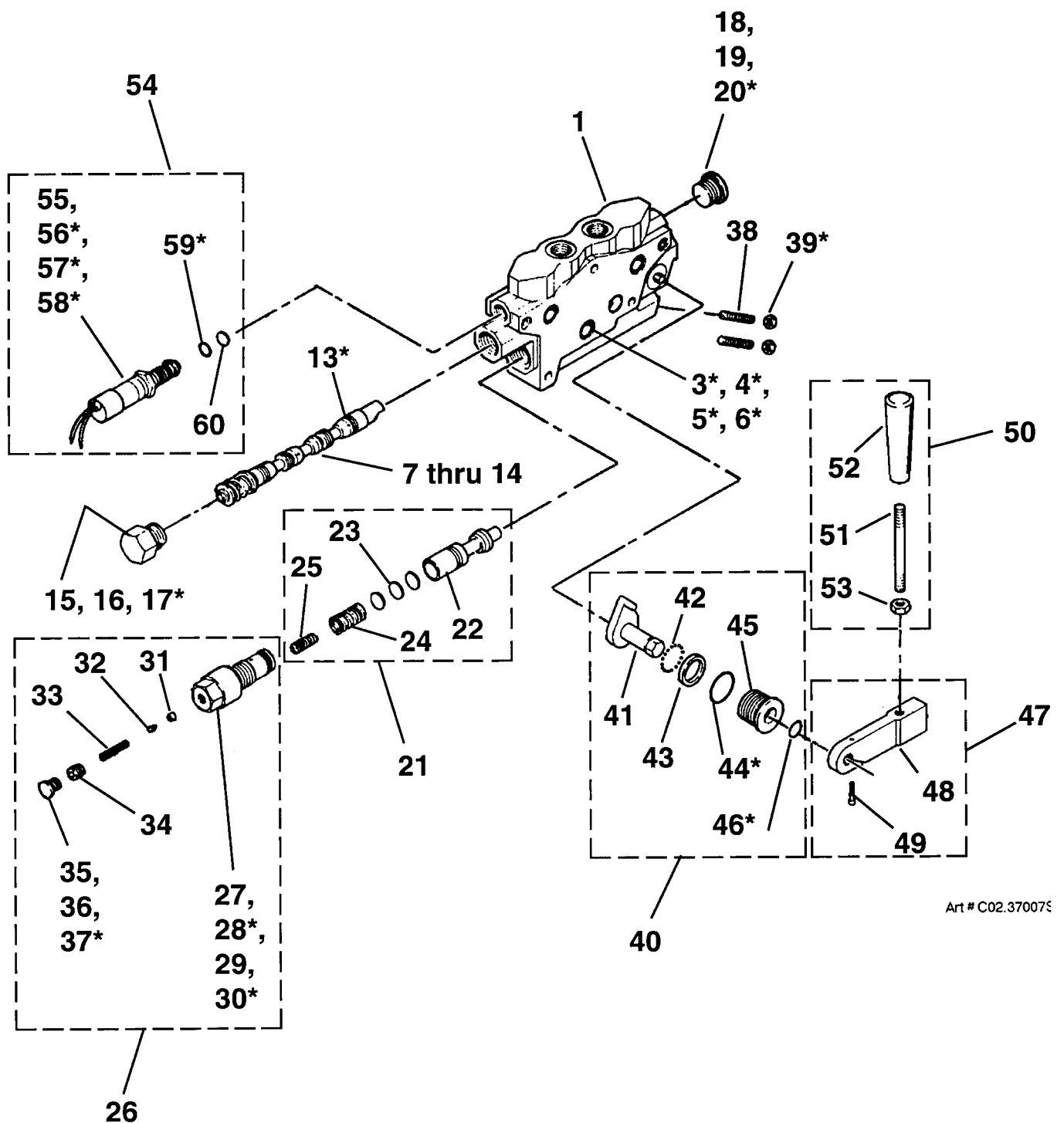


TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

PARTS LIST

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

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



Art # C02.370075

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

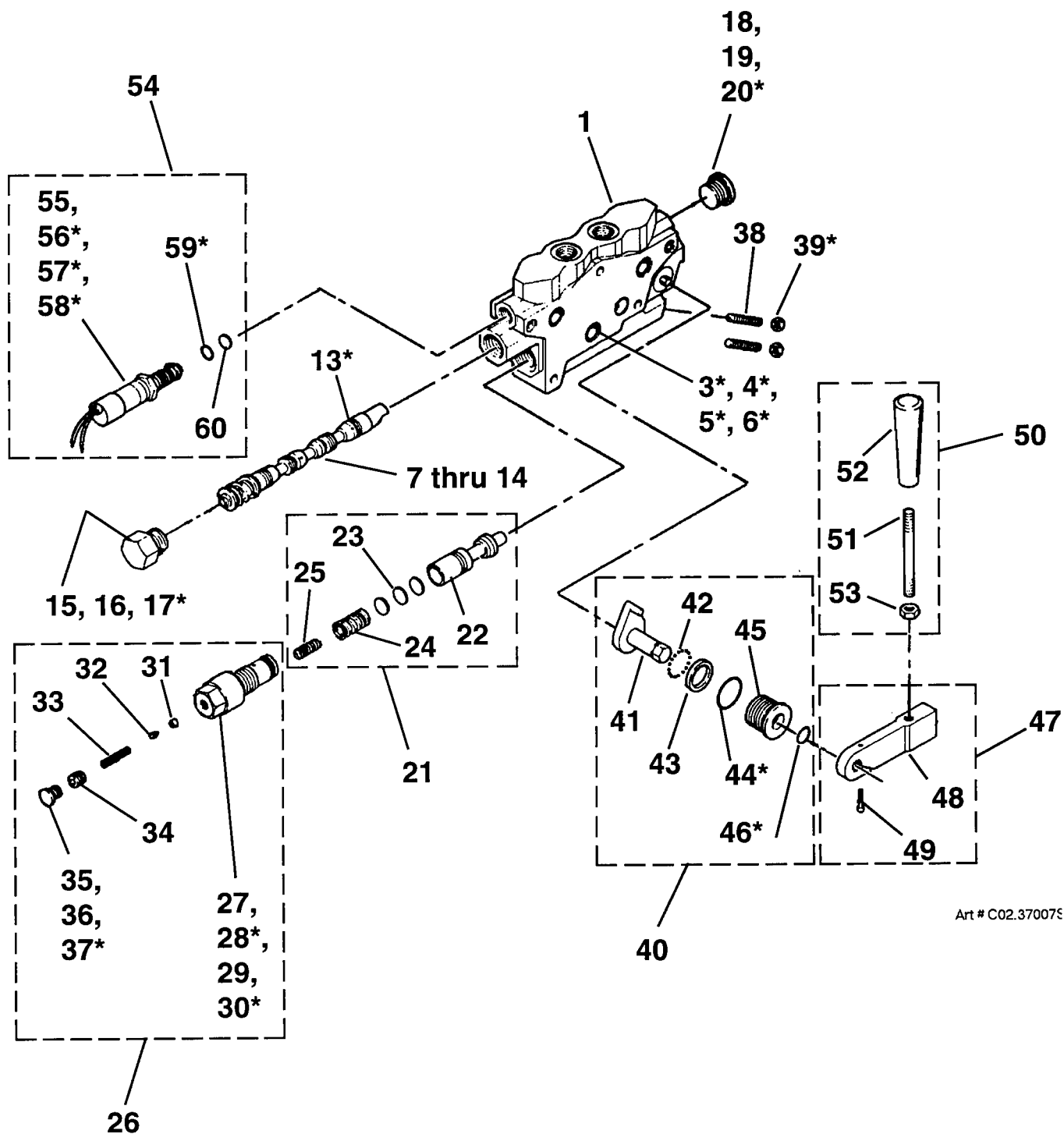
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. **D13.07**

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



Art # C02.370075

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

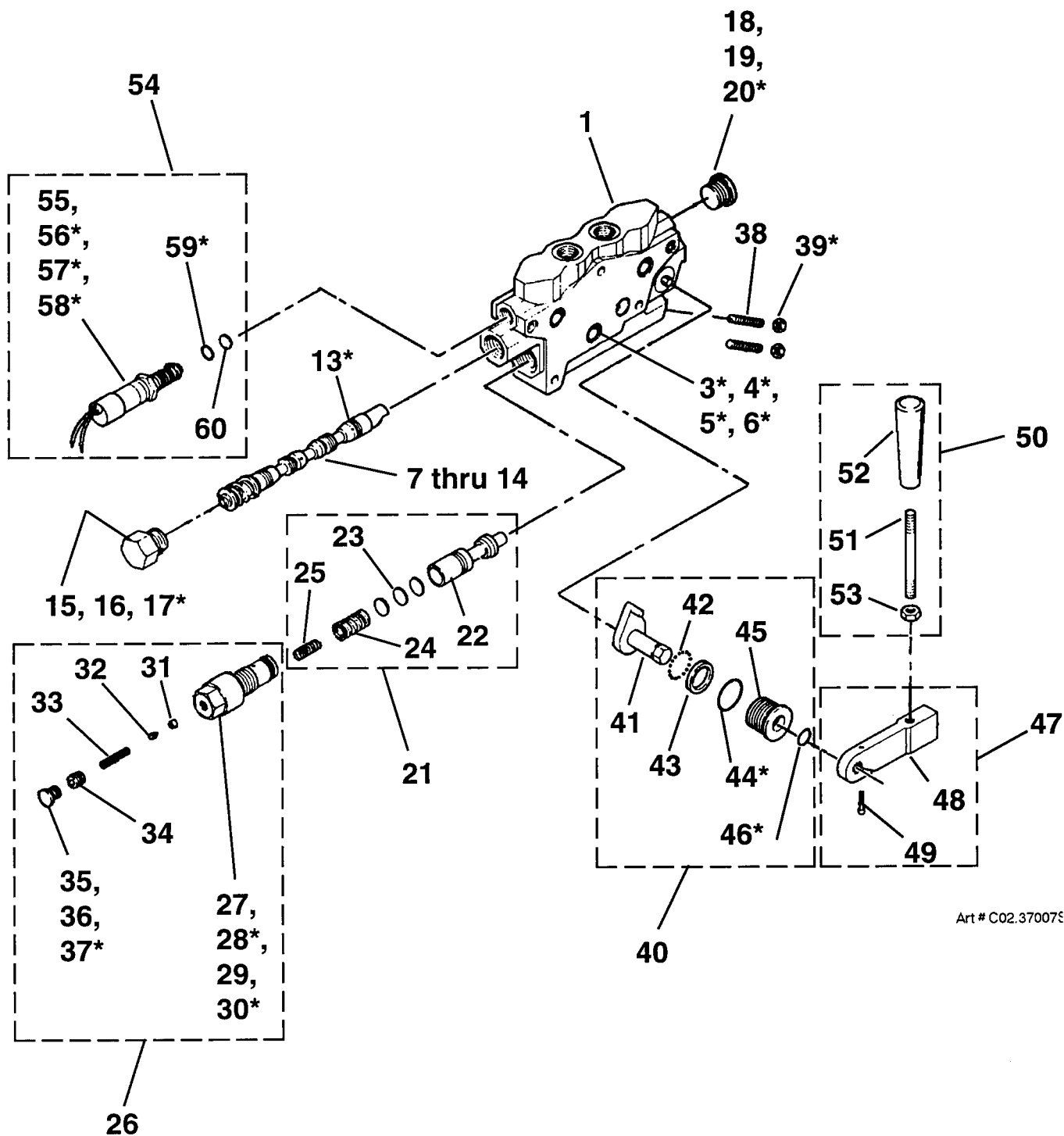
PART
NO.

PLATE
NO. D13.07

[illegible]

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

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



Art # C02.370075

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.07

PARTS LIST

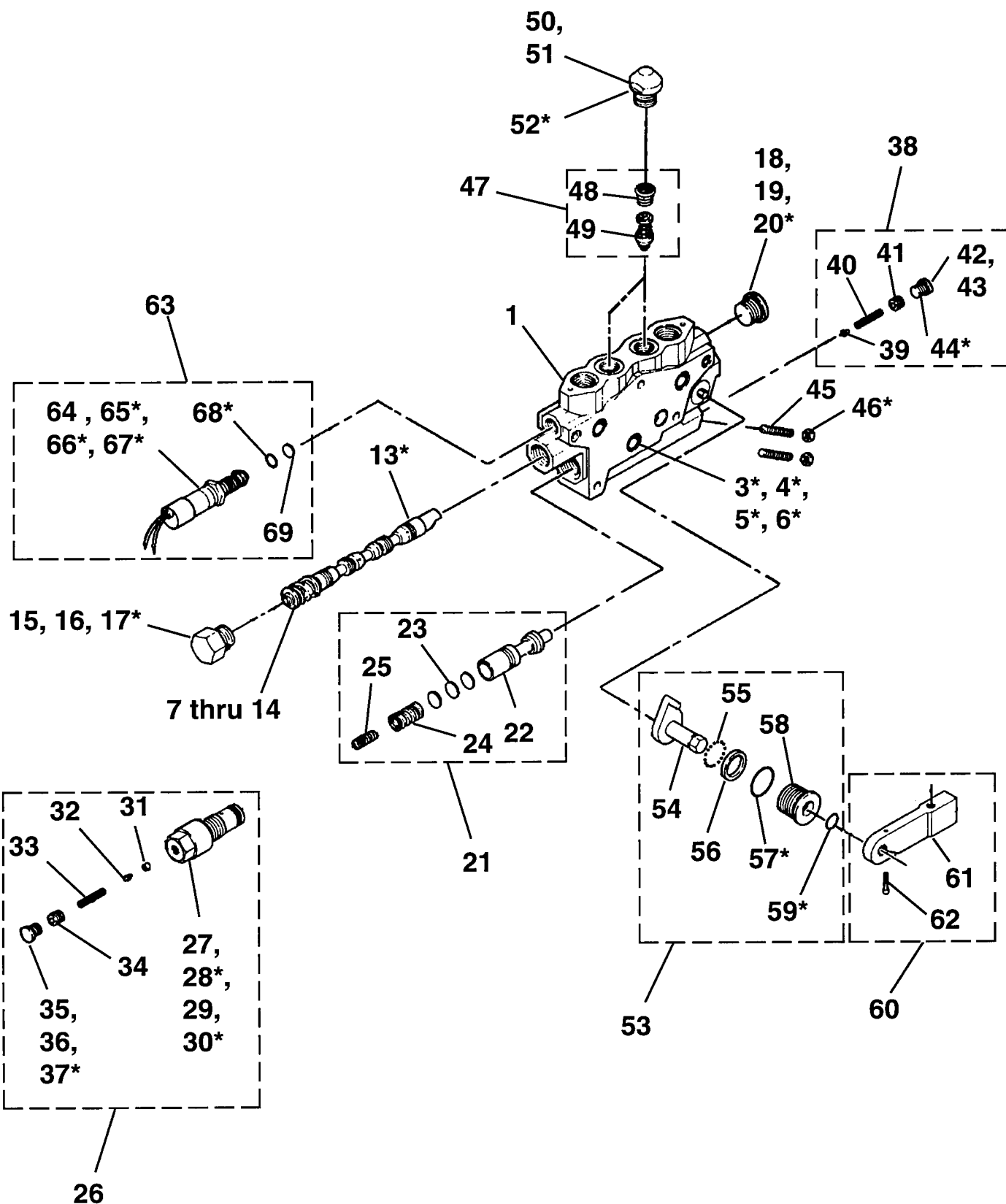
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			NOTE: When ordering valve sections or components, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	
	Call Simon		STEER VALVE SECTION for first type valve bank assemblies (MP series only)	1
	Call Simon		for second type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

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

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

REV. 26 JUL., 1994

PART NO.



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

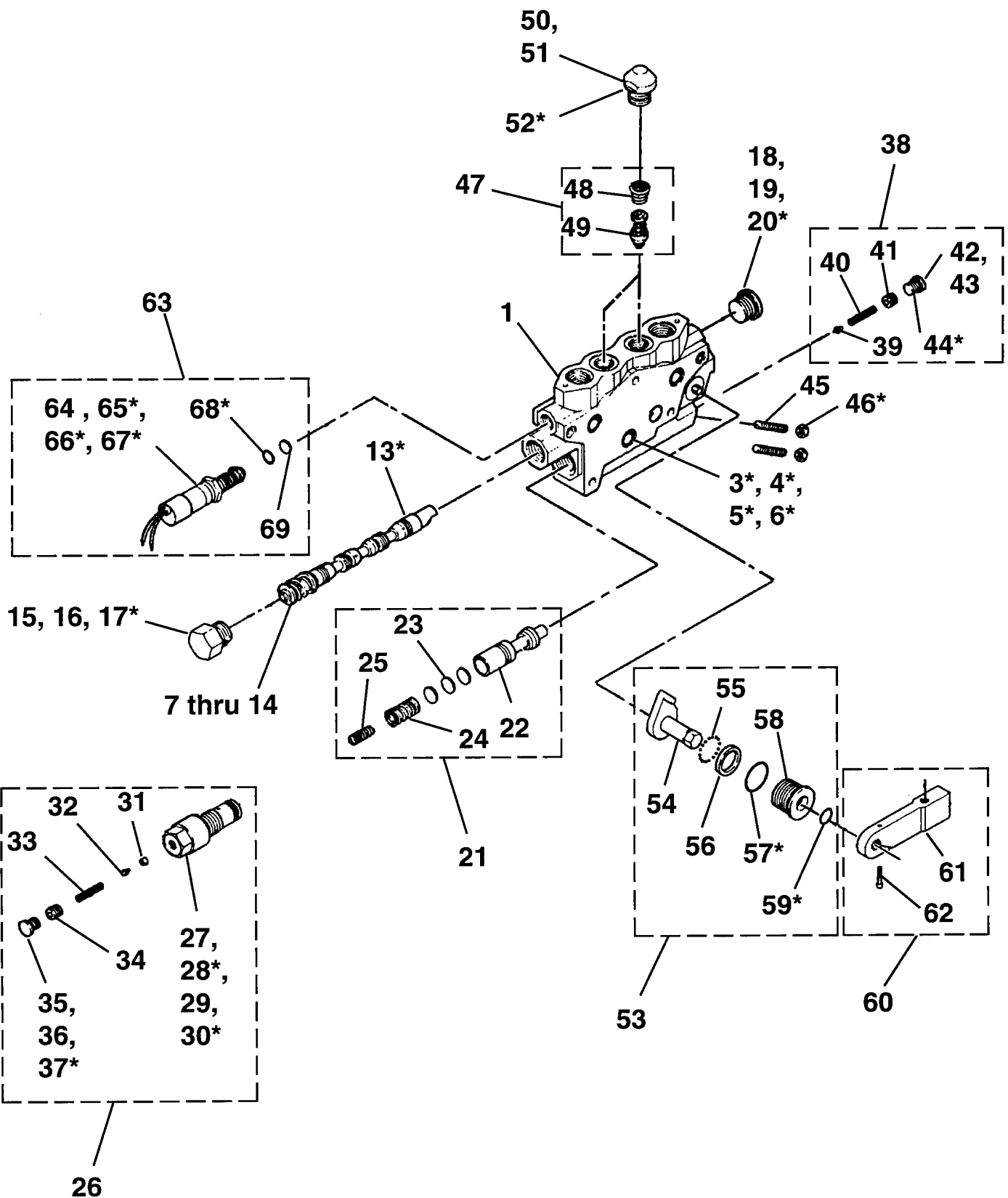
SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
			SHIM (.003" [.076 mm])	3
24			SPRING, COMPENSATOR (outer)	1
25			SPRING, COMPENSATOR (inner, needed for 10 Gal [37.8 Liters]/ Min flow or greater)	1
26	01-211006 Call Simon		CARTRIDGE KIT, PRESSURE LIMITER for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
27			PLUG, RELIEF	1
28		*	"O"-RING	1
29			RING, BACKUP	1
30		*	"O"-RING	1
31			SEAT	1
32			POPPET, RELIEF	1
33			SPRING, RELIEF	1
34			SCREW, ADJUSTMENT	1
35			PLUG, HEX	1
36			PLUG	1
37		*	"O"-RING	1
38	01-211005 Call Simon		PRESSURE LIMITER KIT for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
39			POPPET, PRESSURE LIMITER	1
40			SPRING, PRESSURE LIMITER	1
41			SCREW, ADJUSTMENT	1
42			PLUG, SOCKET HEAD	1
43			PLUG	1
44		*	"O"-RING	1
45	01-211010 Call Simon		SET SCREW for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
46		*	NUT, SEAL for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)				
PLATE NO.	D13.08	SIMON AERIALS INC.		PART NO.
			REV. 26 JUL., 1994	



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST

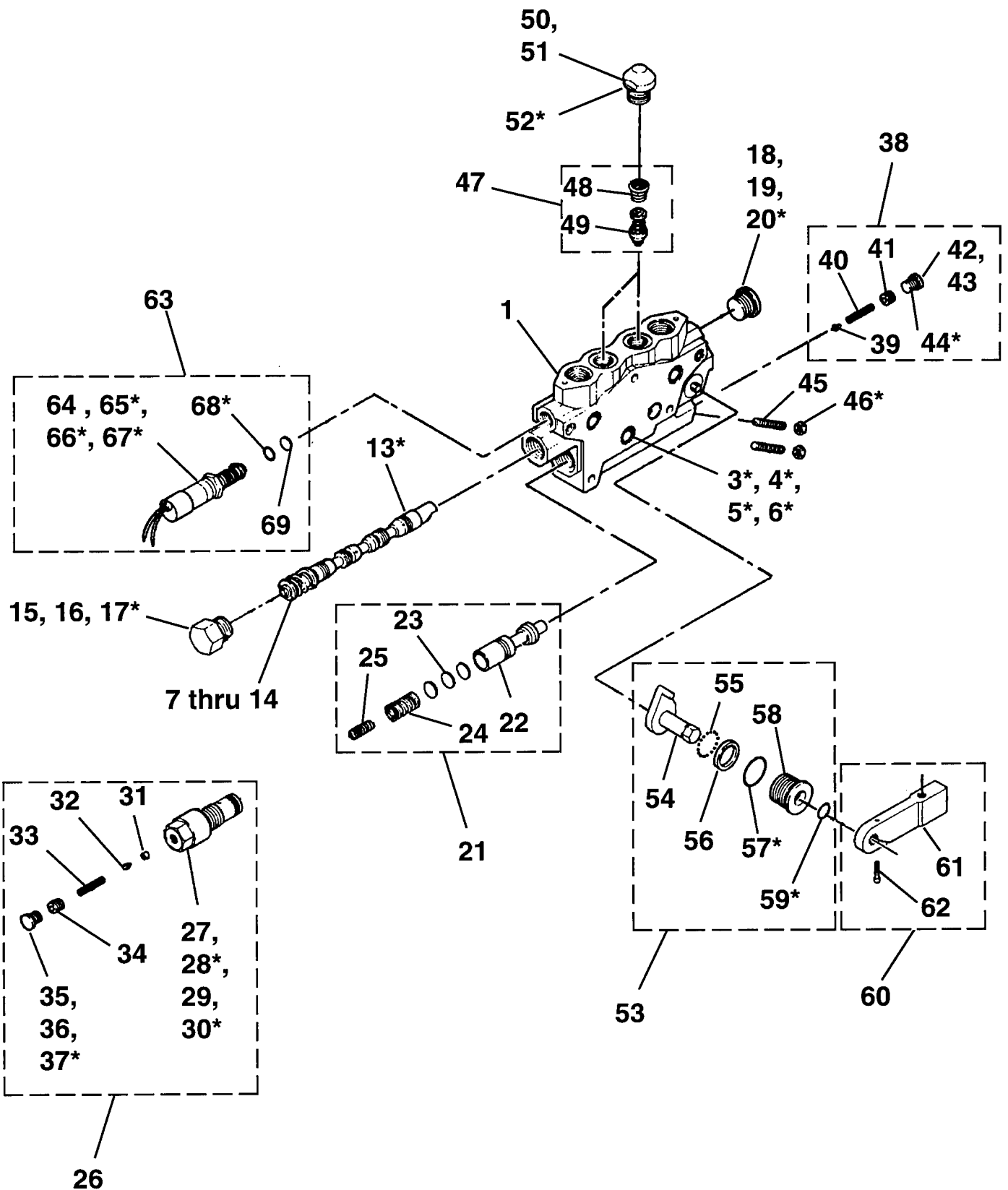
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
47	01-211007 Call Simon		RELIEF KIT (with anti-cavitation valve) for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	2
48			CARTRIDGE ASSEMBLY	1
49			SPRING	1
50			PLUG, WORK PORT	1
	Call Simon Call Simon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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.08

PARTS LIST

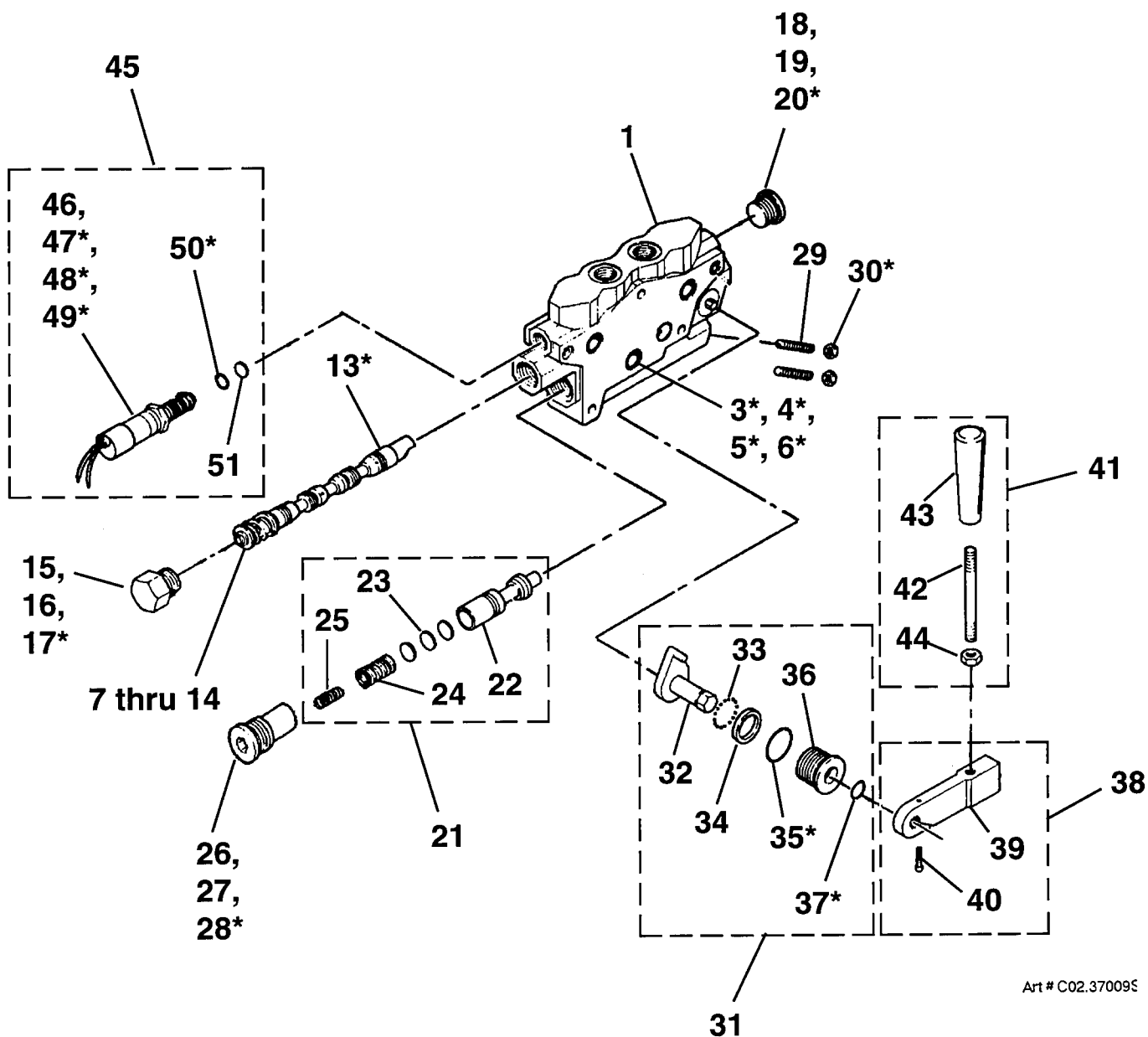
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-231205 01-231203 Call Simon		BOOM RAISE/ LOWER VALVE SECTION for Model RP 66 main boom for Model RP 66 jib boom for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1	01-211004 Call Simon		HOUSING,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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.09

PARTS LIST

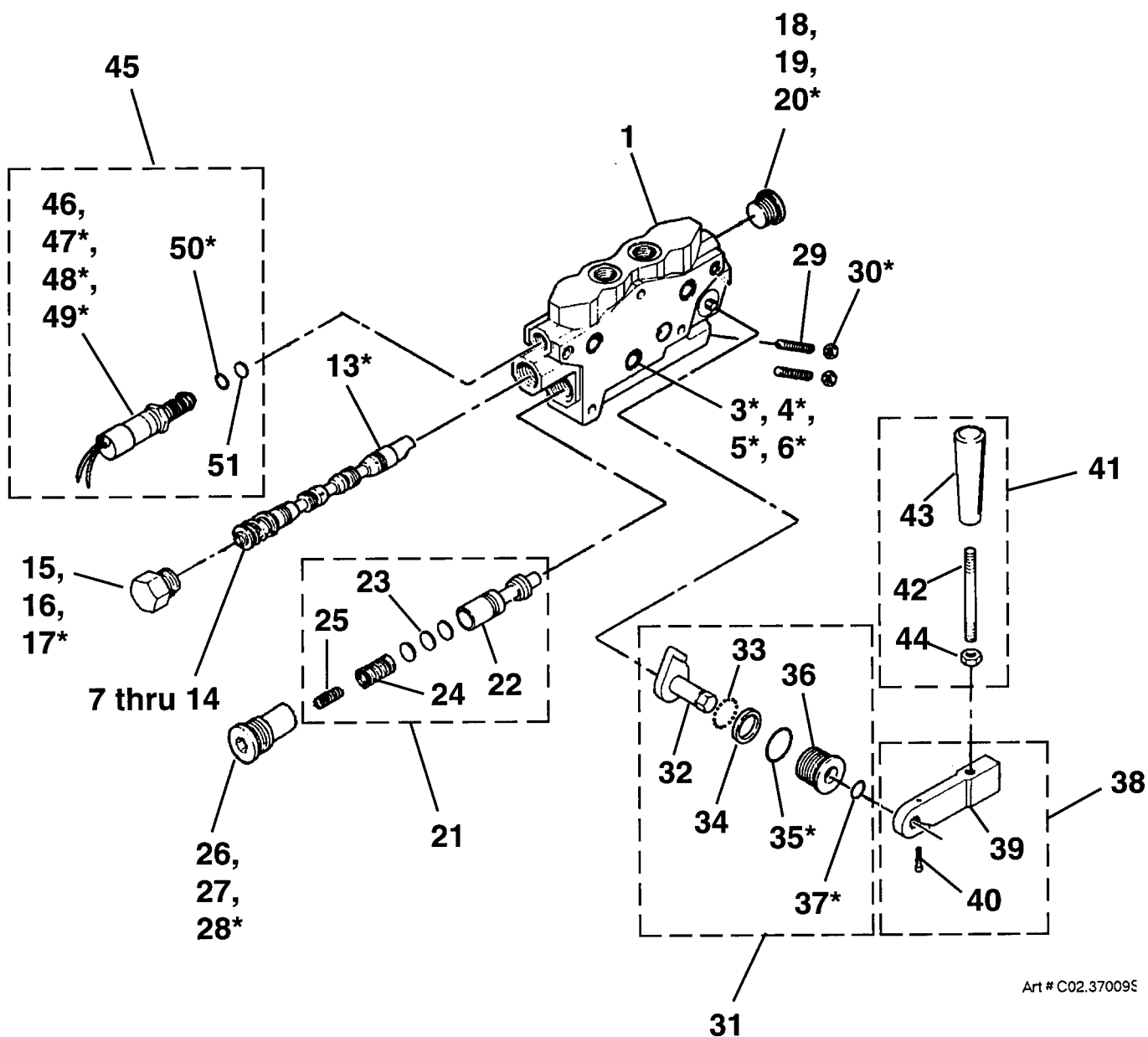
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	01-211012 Call Simon		SPOOL KIT, COMPENSATOR for first type valve bank assemblies (MP series only) for second type MP and all RP valve bank assemblies	1
22			SPOOL, COMPENSATOR	1
23			SHIM (.025" [.635 mm])	3
			SHIM (.008" [.203 mm])	3
24			SHIM (.003" [.076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

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

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

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 26 JUL., 1994

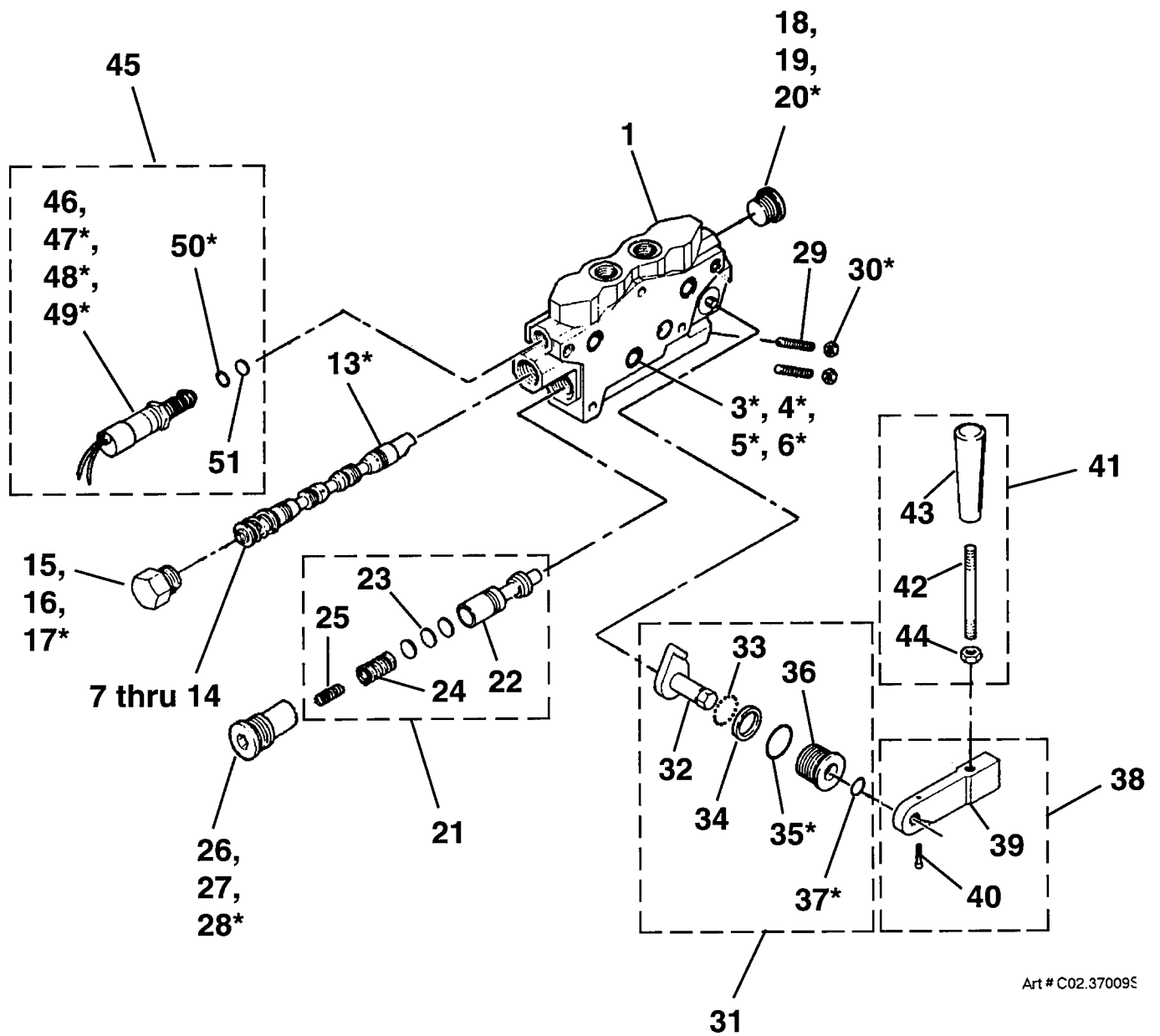
PART
NO.

PLATE
NO. D13.09

[illegible]

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

PART NO.	DESCRIPTION	QTY	UNIT PRICE	TOTAL
1	1000	1	1000	1000
2	2000	1	2000	2000
3	3000	1	3000	3000
4	4000	1	4000	4000
5	5000	1	5000	5000
6	6000	1	6000	6000
7	7000	1	7000	7000
8	8000	1	8000	8000
9	9000	1	9000	9000
10	10000	1	10000	10000
11	11000	1	11000	11000
12	12000	1	12000	12000
13	13000	1	13000	13000
14	14000	1	14000	14000
15	15000	1	15000	15000
16	16000	1	16000	16000
17	17000	1	17000	17000
18	18000	1	18000	18000
19	19000	1	19000	19000
20	20000	1	20000	20000
21	21000	1	21000	21000
22	22000	1	22000	22000
23	23000	1	23000	23000
24	24000	1	24000	24000
25	25000	1	25000	25000
26	26000	1	26000	26000
27	27000	1	27000	27000
28	28000	1	28000	28000
29	29000	1	29000	29000
30	30000	1	30000	30000
31	31000	1	31000	31000
32	32000	1	32000	32000
33	33000	1	33000	33000
34	34000	1	34000	34000
35	35000	1	35000	35000
36	36000	1	36000	36000
37	37000	1	37000	37000
38	38000	1	38000	38000
39	39000	1	39000	39000
40	40000	1	40000	40000
41	41000	1	41000	41000
42	42000	1	42000	42000
43	43000	1	43000	43000
44	44000	1	44000	44000
45	45000	1	45000	45000
46	46000	1	46000	46000
47	47000	1	47000	47000
48	48000	1	48000	48000
49	49000	1	49000	49000
50	50000	1	50000	50000
51	51000	1	51000	51000
52	52000	1	52000	52000
53	53000	1	53000	53000
54	54000	1	54000	54000
55	55000	1	55000	55000
56	56000	1	56000	56000
57	57000	1	57000	57000
58	58000	1	58000	58000
59	59000	1	59000	59000
60	60000	1	60000	60000
61	61000	1	61000	61000
62	62000	1	62000	62000
63	63000	1	63000	63000
64	64000	1	64000	64000
65	65000	1	65000	65000
66	66000	1	66000	66000
67	67000	1	67000	67000
68	68000	1	68000	68000
69	69000	1	69000	69000
70	70000	1	70000	70000
71	71000	1	71000	71000
72	72000	1	72000	72000
73	73000	1	73000	73000
74	74000	1	74000	74000



Art # C02.37009S

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.09

PARTS LIST

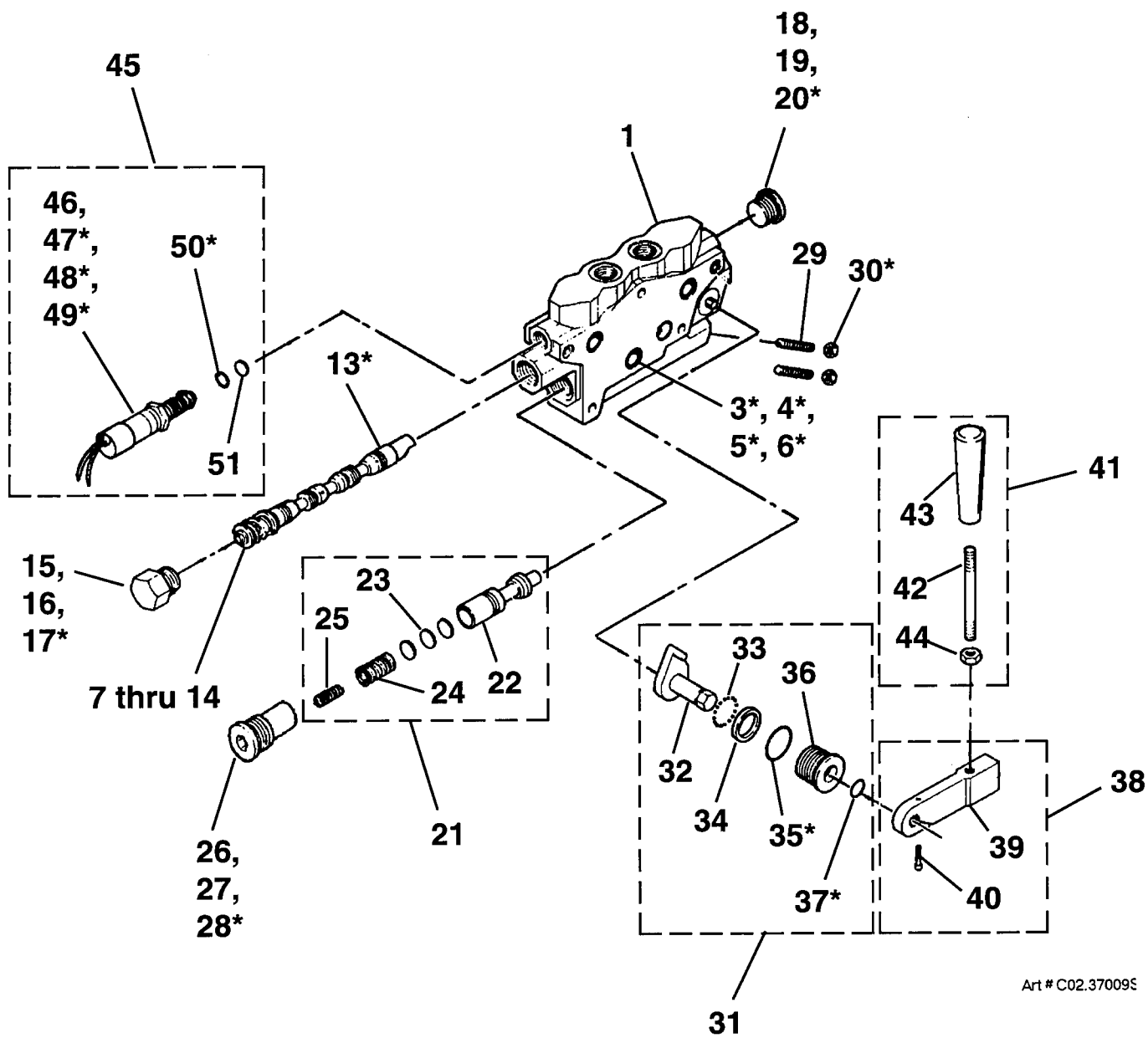
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-231206 Call Simon		SWING VALVE SECTION for Model RP 66 for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.	1
1			HOUSING, SWING VALVE SECTION	1
2	01-211004 Call Simon		SEAL KIT, WORK SEGMENT . . .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

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

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

REV. 26 JUL., 1994

PART NO.



Art # C02.370095

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

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART
NO.

PLATE
NO.

D13.10

PARTS LIST

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

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

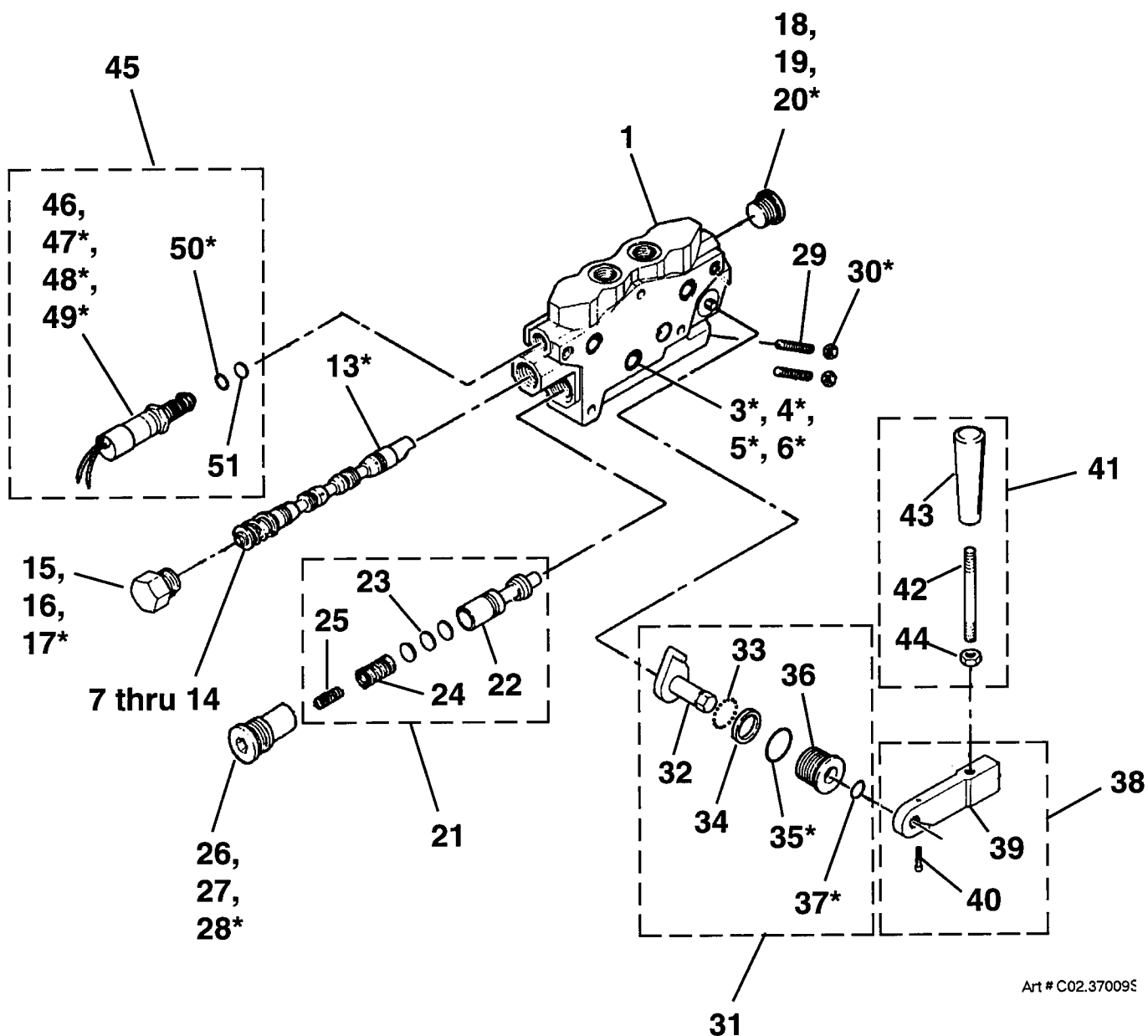
PLATE NO.

D13.10

SIMON AERIALS INC.

REV. 26 JUL., 1994

PART NO.



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

SIMON AERIALS INC.

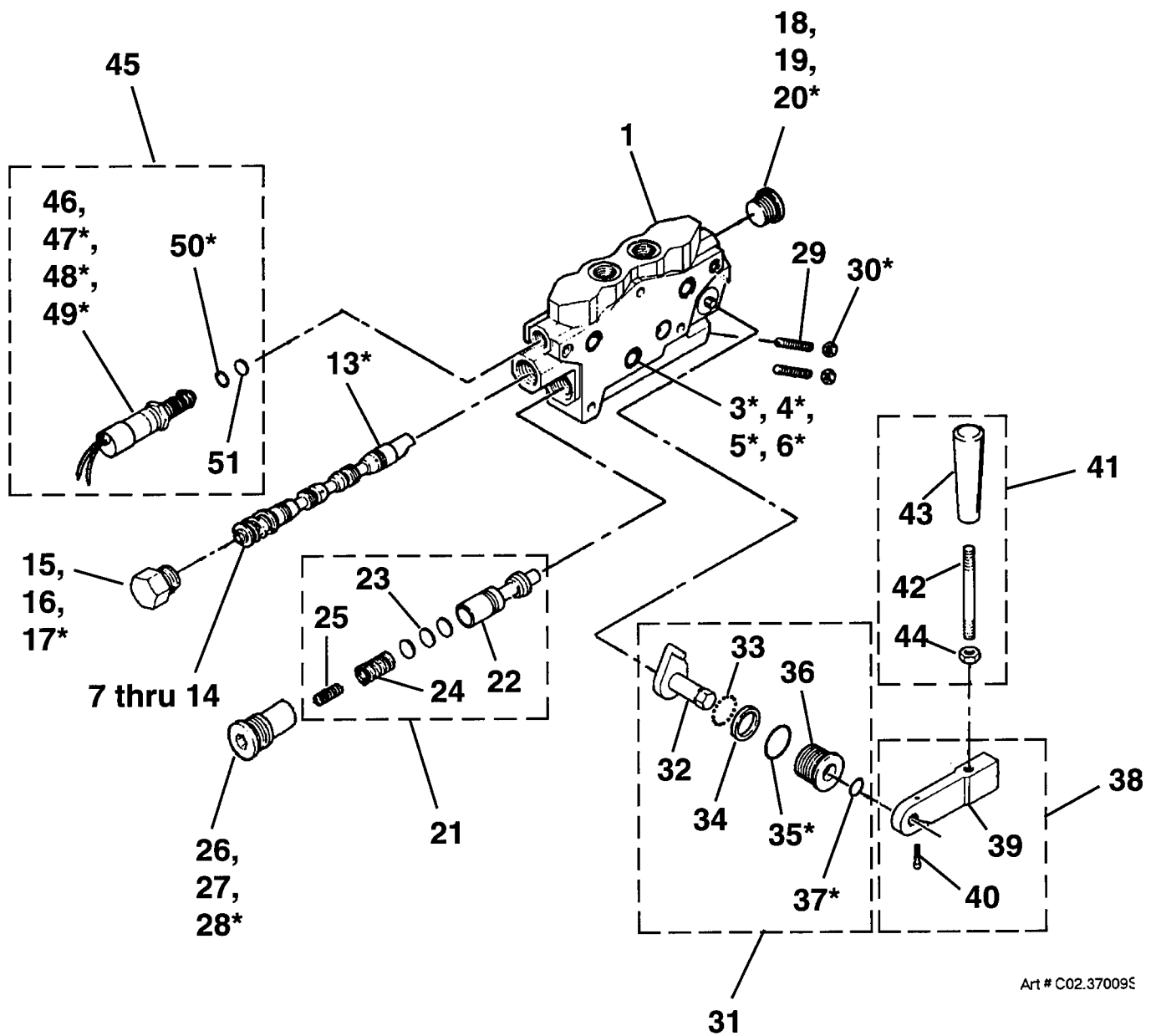
REV. 26 JUL., 1994

PART
NO.

PLATE
NO. D13.10

[illegible]

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.

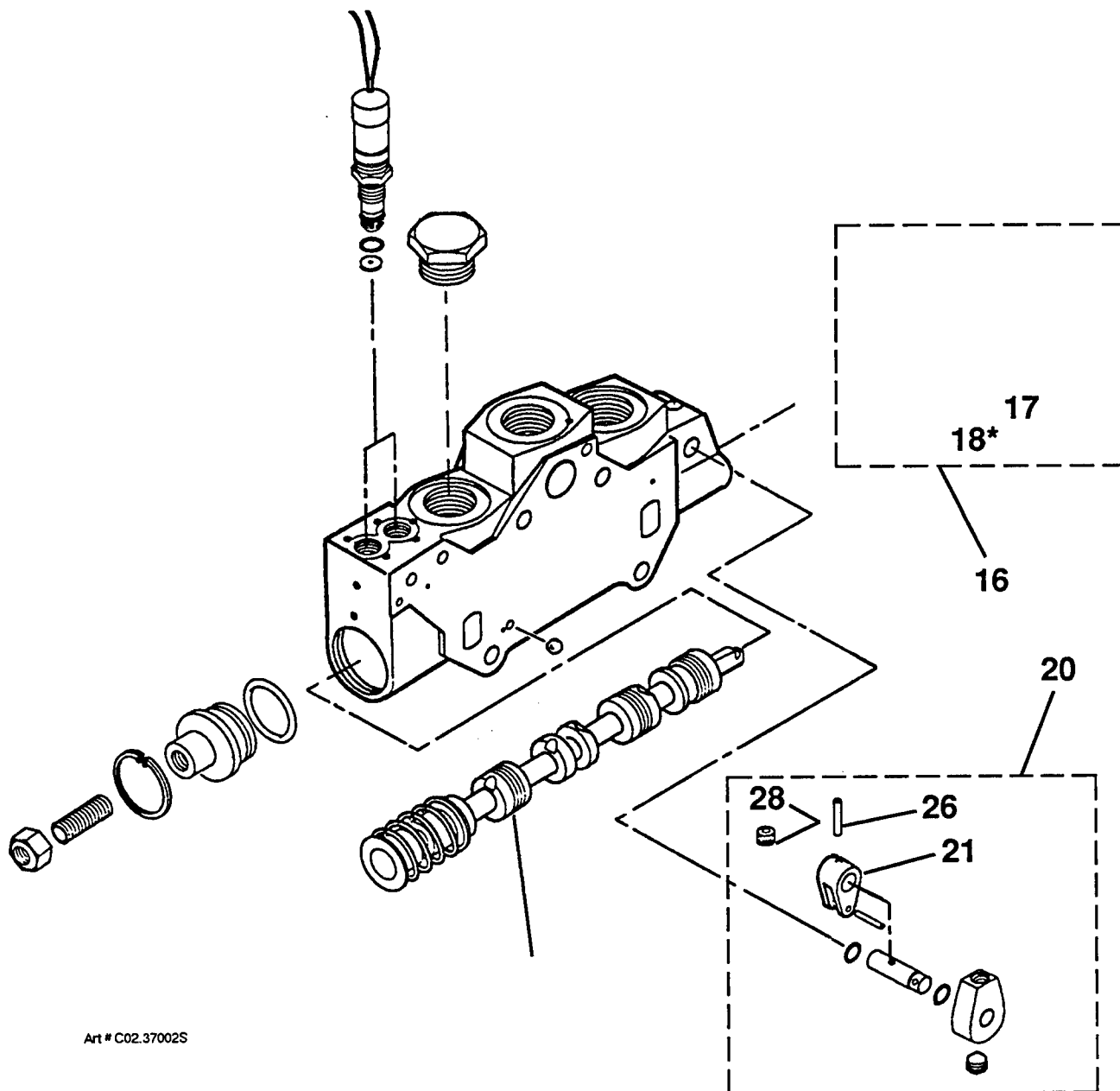
PLATE
NO. **D13.10**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING, BOOM TELESCOPE VALVE SECTION	1
2	01-211026		SEAL KIT, WORK SEGMENT (incl. all items with asterisk*)	1
3		*	BALL (for housing cross port)	1
4			SPOOL KIT, BOOM TELESCOPE VALVE	1
5			SPOOL, MAIN	1
6			GUIDE, SPRING	2
7			SPRING, CENTERING	1
8			RING, RETAINING	1
9	01-211023		FLOW LIMITER KIT	1
10	01-211023		FLOW LIMITER KIT	
			(On some units. Optional with End plug)	1
11			PLUG, ADJUSTMENT	1
12		*	"O"-RING	1
13			RING, RETAINING	1
14			SET SCREW	1
15			NUT, SEAL	1
16	01-211022		PLUG KIT, END (On some units. Optional with Flow limiter)	1
17			PLUG	1
18		*	"O"-RING	1
19			RING, RETAINING	1
20	01-211025		MANUAL OPERATOR KIT	1
21			CLEVIS [has hole for .189" (4.8 mm) pin]	1
22			SHAFT [has hole for .189" (4.8 mm) pin]	1
23		*	"O"-RING	2
24			ADAPTER, HANDLE	1
25			SET SCREW	1
26			PIN, STRAIGHT [.189" (4.8 mm) dia.]	1
27			PIN, DOWEL	1
28			PLUG	1
29	01-211024		PRESSURE COMPENSATOR KIT	1
30			SPOOL, COMPENSATOR	1
31			RING, RETAINING	1
32			SHIM (various thicknesses)	8
33			SPRING, COMPENSATOR	1
34			PLUG	1
35		*	"O"-RING	1
36	01-211001		SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)	1
37			SOLENOID, PULSAR (12 Volt)	1
38		*	"O"-RING	1
39		*	SCREEN, SOLENOID FILTER	1
40		*	"O"-RING (special)	2
41		*	"O"-RING	2
42			PLATE, ORIFICE	1

TITLE TELESCOPE VALVE, MP (ELECTRO-PROPORTIONAL, TYPE 2)

PLATE NO.	D13.11	SIMON AERIALS INC.	NEW 10 JUN., 1992	PART NO.
-----------	--------	--------------------	-------------------	----------



Art # C02.37002S

TITLE

SIMON AERIALS INC.

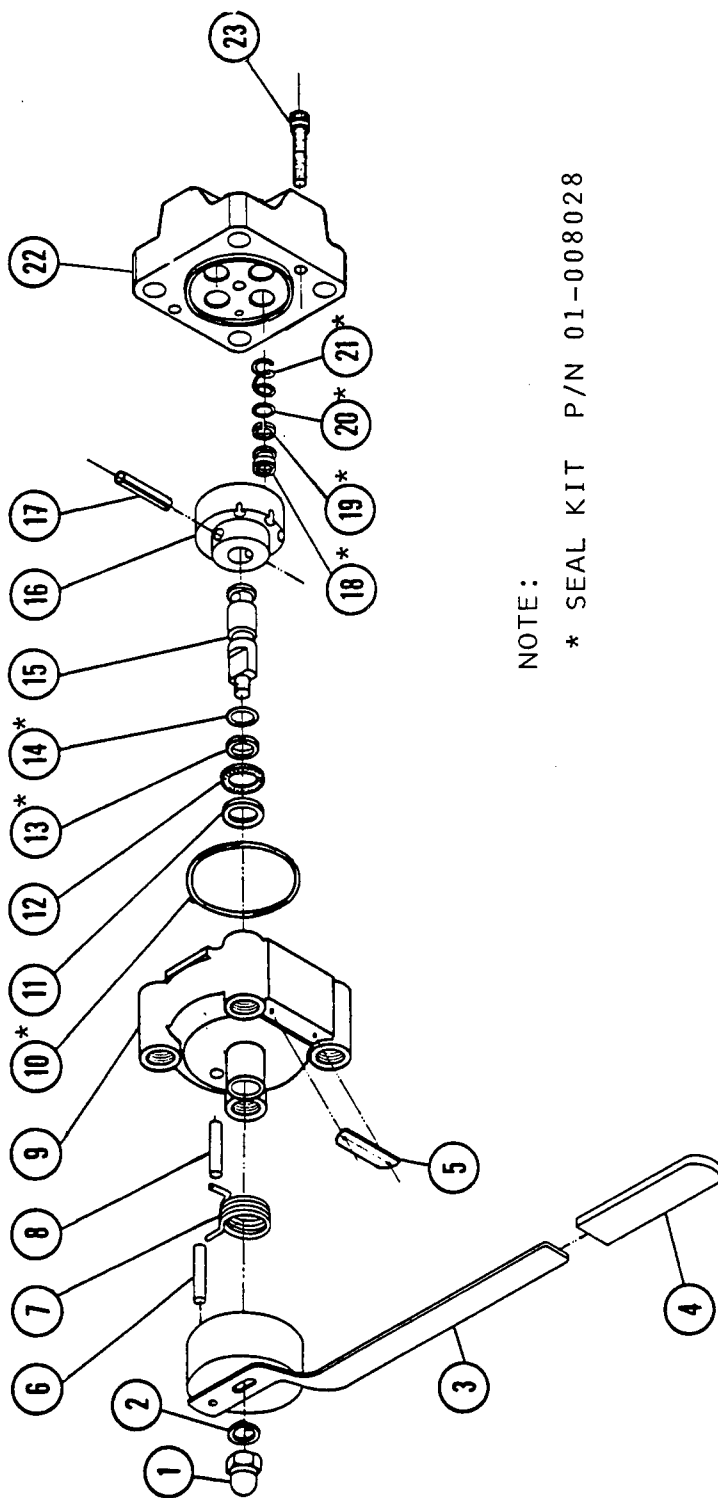
NEW 10 JUN., 1992

PART
NO.

PLATE
NO. **D13.11**

PARTS LIST

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



NOTE:

* SEAL KIT P/N 01-008028

1283/0677

DESCRIPTION

4-WAY MANUAL VALVE

PART NO.

01-008000

PARTS LIST

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

TITLE 4-WAY MANUAL VALVE, MOTORING SPOOL

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



SIMON AERIALS INC.

REV. 26 APR., 1993

PART NO.	DESCRIPTION	QTY	UNIT PRICE	TOTAL
1	...	...	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	...
5	...	...	...	...
6	...	...	...	...
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	...	...	...	...
11	...	...	...	...
12	...	...	...	...
13	...	...	...	...
14	...	...	...	...
15	...	...	...	...
16	...	...	...	...
17	...	...	...	...
18	...	...	...	...
19	...	...	...	...
20	...	...	...	...
21	...	...	...	...
22	...	...	...	...
23	...	...	...	...
24	...	...	...	...
25	...	...	...	...
26	...	...	...	...
27	...	...	...	...
28	...	...	...	...
29	...	...	...	...
30	...	...	...	...
31	...	...	...	...
32	...	...	...	...
33	...	...	...	...
34	...	...	...	...
35	...	...	...	...
36	...	...	...	...
37	...	...	...	...
38	...	...	...	...
39	...	...	...	...
40	...	...	...	...
41	...	...	...	...
42	...	...	...	...
43	...	...	...	...
44	...	...	...	...
45	...	...	...	...
46	...	...	...	...
47	...	...	...	...
48	...	...	...	...
49	...	...	...	...
50	...	...	...	...
51	...	...	...	...
52	...	...	...	...
53	...	...	...	...
54	...	...	...	...
55	...	...	...	...
56	...	...	...	...
57	...	...	...	...
58	...	...	...	...
59	...	...	...	...
60	...	...	...	...
61	...	...	...	...
62	...	...	...	...
63	...	...	...	...
64	...	...	...	...
65	...	...	...	...
66	...	...	...	...
67	...	...	...	...
68	...	...	...	...
69	...	...	...	...
70	...	...	...	...
71	...	...	...	...
72	...	...	...	...
73	...	...	...	...
74	...	...	...	...
75	...	...	...	...
76	...	...	...	...
77	...	...	...	...
78	...	...	...	...
79	...	...	...	...
80	...	...	...	...
81	...	...	...	...
82	...	...	...	...
83	...	...	...	...
84	...	...	...	...
85	...	...	...	...
86	...	...	...	...
87	...	...	...	...
88	...	...	...	...
89	...	...	...	...
90	...	...	...	...
91	...	...	...	...
92	...	...	...	...
93	...	...	...	...
94	...	...	...	...
95	...	...	...	...
96	...	...	...	...
97	...	...	...	...
98	...	...	...	...
99	...	...	...	...
100	...	...	...	...

01-067701

PLATE NO.	
--------------	--

D14.02

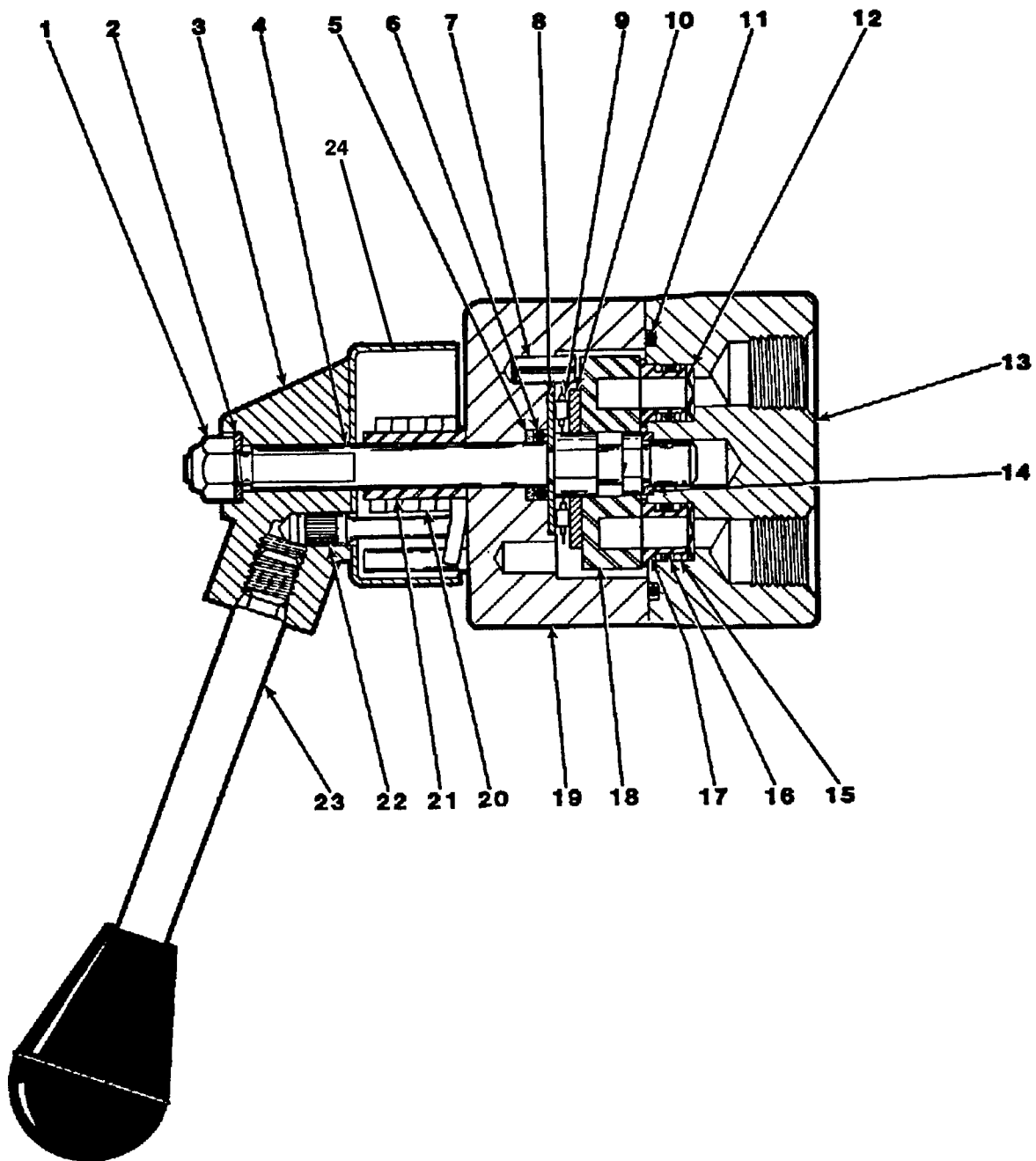
[illegible]

4-WAY MANUAL CONTROL VALVE

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

REV. 26 APR., 1993

01-069900



1086/1286

TITLE

4-WAY MANUAL CONTROL VALVE

SIMON AERIALS INC.

REV. 26 APR., 1993

PART
NO.

01-069900

PLATE
NO.

D14.03

PARTS LIST

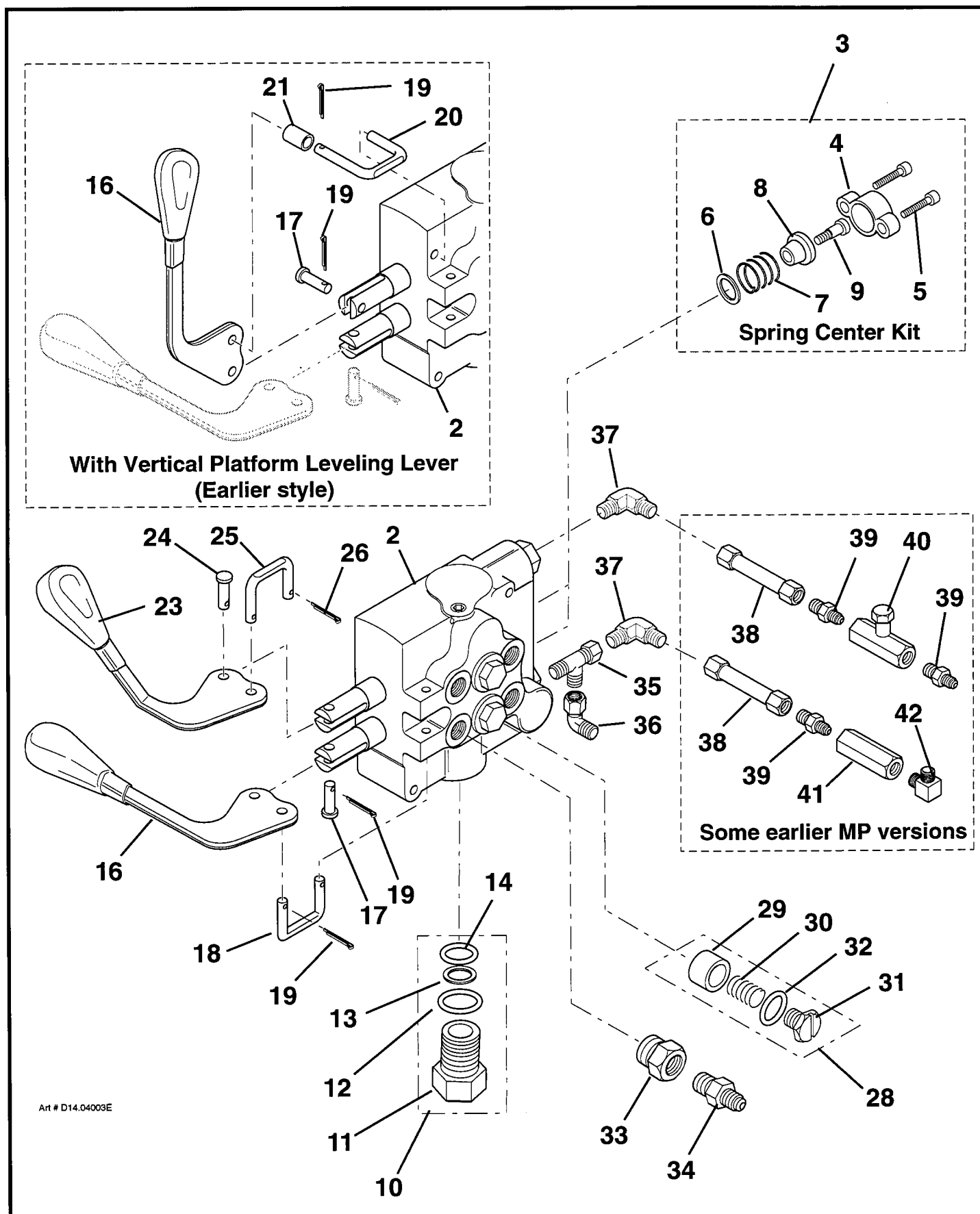
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL for MP Series except MP 110	1
	352 4590		for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40: Early style (Platform leveling lever is mounted vertically)	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

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

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

REV. 29 NOV., 1995

PART NO.



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

SIMON AERIALS INC.

REV. 29 NOV., 1995

**PART
NO.**

**PLATE
NO.** D14.04

PARTS LIST

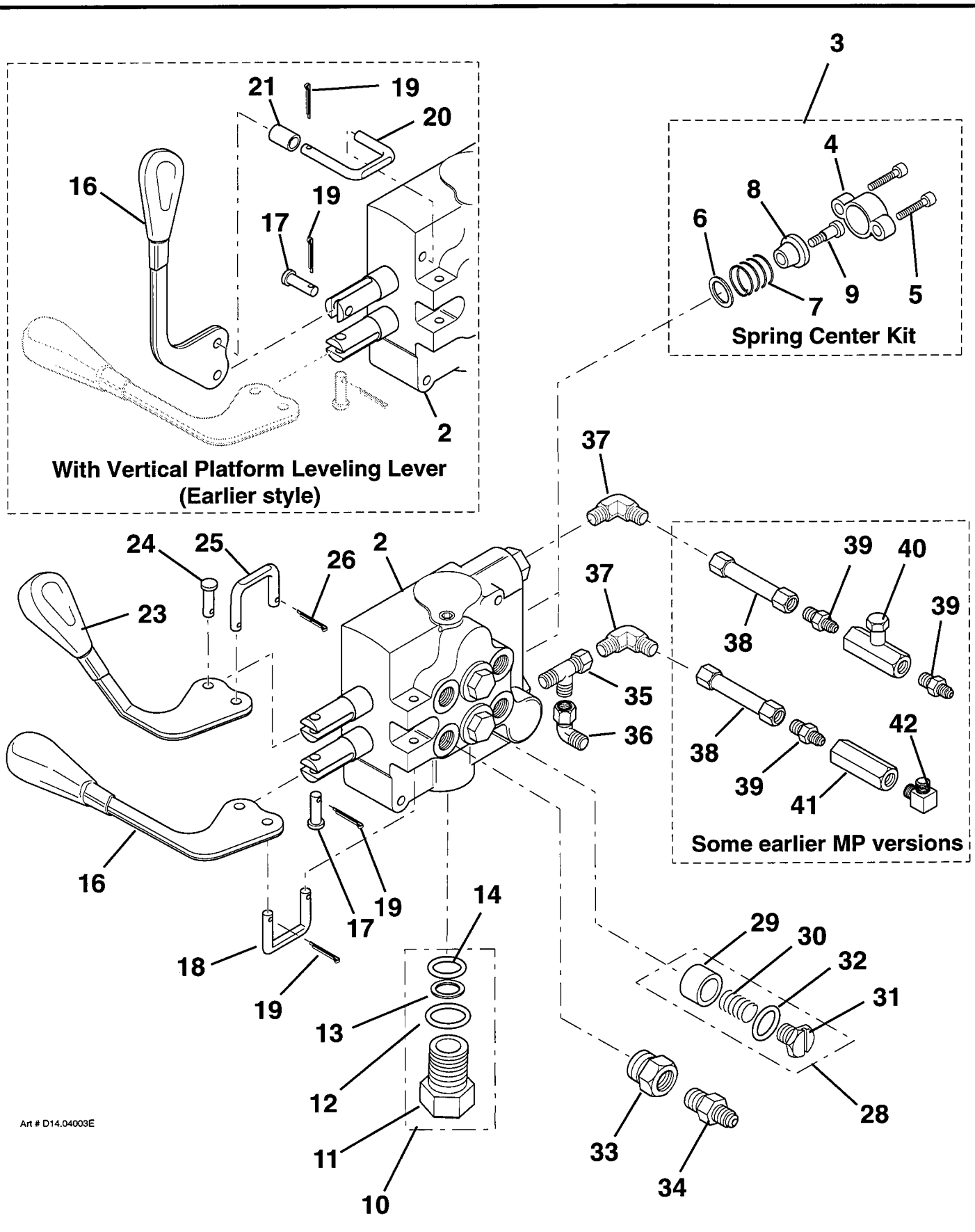
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED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

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

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

REV. 29 NOV., 1995

PART NO.



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

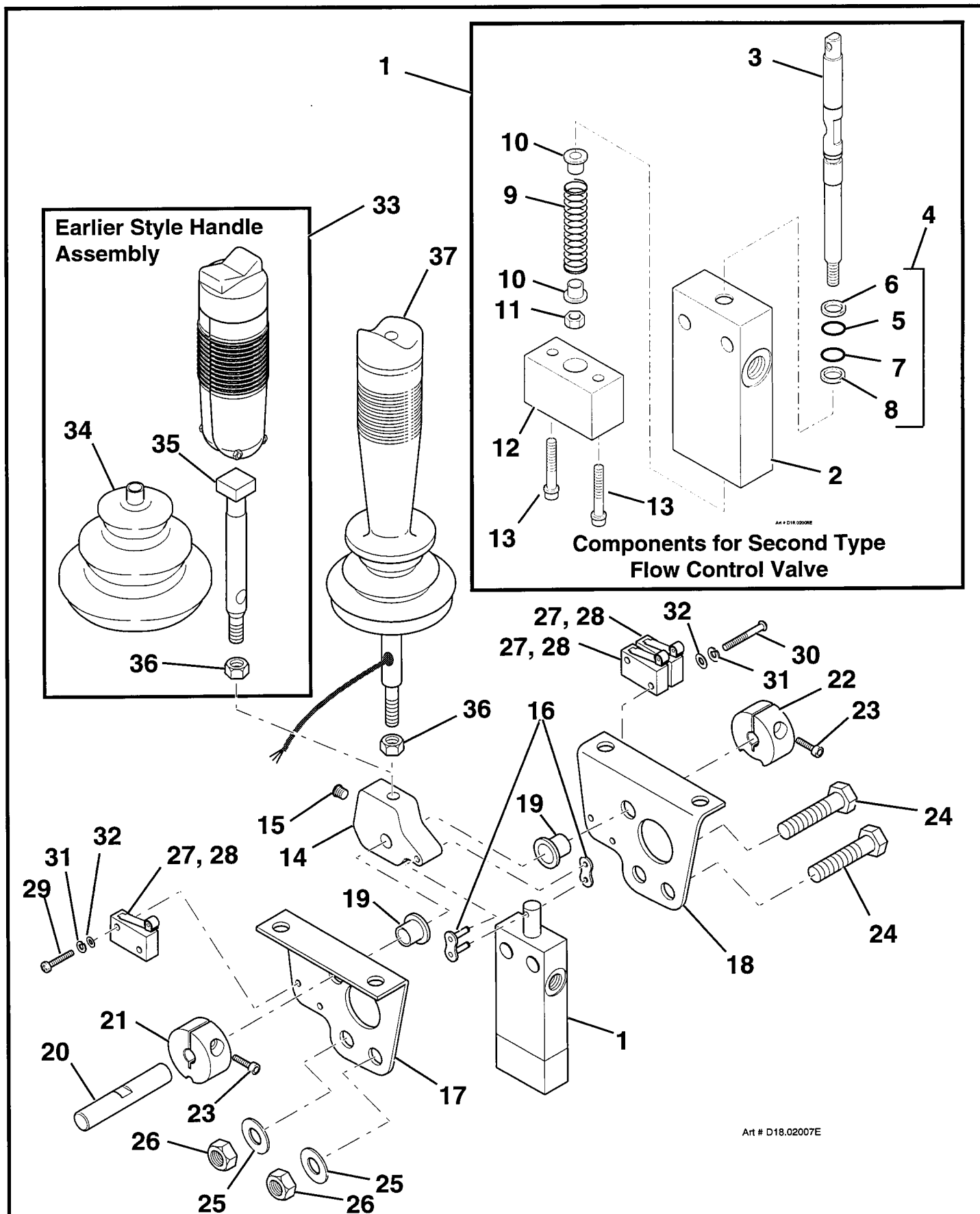
SIMON AERIALS INC.

REV. 29 NOV., 1995

PART
NO.

PLATE
NO. D14.04

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-072400 01-201400 353 5630 353 5640		VALVE ASSEMBLY, DRIVE CONTROL (First type shown) First type (Not for use with Water Glycol hydraulic fluid) First type (Can be used with Water Glycol hydraulic fluid) Second type (Single cam [Item 21] has three detents) Second type (Single cam [Item 21] has one detent)	1
1	--- 01-230800		VALVE, FLOW CONTROL (1 tooth) For " first type " assembly (Valve is not available separately) For " second type " assembly	1
2	231 5530		BODY, FLOW CONTROL VALVE	1
3	231 5540		SPOOL, FLOW CONTROL VALVE	1
4	01-000901		SEAL KIT, FLOW CONTROL VALVE	1
5	01-000902		"O"-RING (12 mm)	1
6	01-000904		RING, BACKUP (12 mm)	1
7	01-000903		"O"-RING (10 mm)	1
8	01-000905		RING, BACKUP (10 mm)	1
9	231 5560		SPRING	1
10	231 5550		BUSHING, SPRING RETAINER	2
11	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
12	231 5520		CAP, VALVE BODY	1
13	07-008354		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
14	212 1810		ARM, ROCKER used with " first type " valve	1
15	232 3270 07-023059	shown	used with " second type " valve SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5) (used with " second type " valve)	1
16	08-010200		LINK KIT, CONNECTING	1
17	212 1780		BRACKET, VALVE (right) (single switch side)	1
18	212 1790		BRACKET, VALVE (left) (double switch side)	1
19	212 1800		BUSHING, FLANGED	2
20	212 1740		SHAFT, CAM	1
21			CAM, SWITCH (single)	1
	212 1760		Cam has three detents (for all except 353 5640)	1
	232 3420	shown	Cam has one detent (for 353 5640)	1
22	212 1770		CAM, SWITCH (double)	1
23	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	2
24	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	2
25	07-062015		WASHER, FLAT (5/16")	2
26	07-050015		NUT, STOP (5/16"-18, Grade 5)	2
TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO. D18.02		SIMON AERIALS INC.		PART NO.
REV. 16 JAN., 1996				



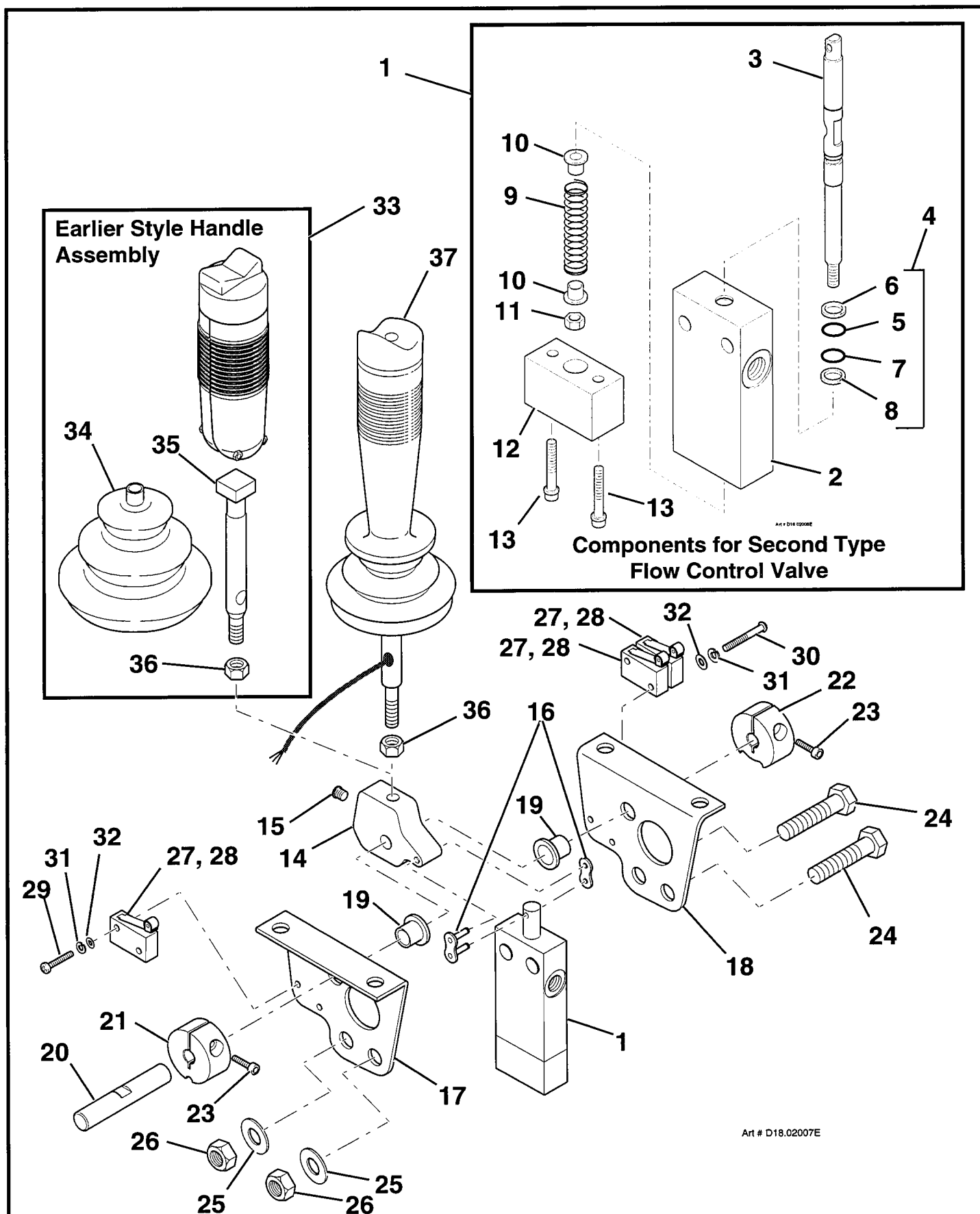
TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02



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

SIMON AERIALS INC.

REV. 16 JAN., 1996

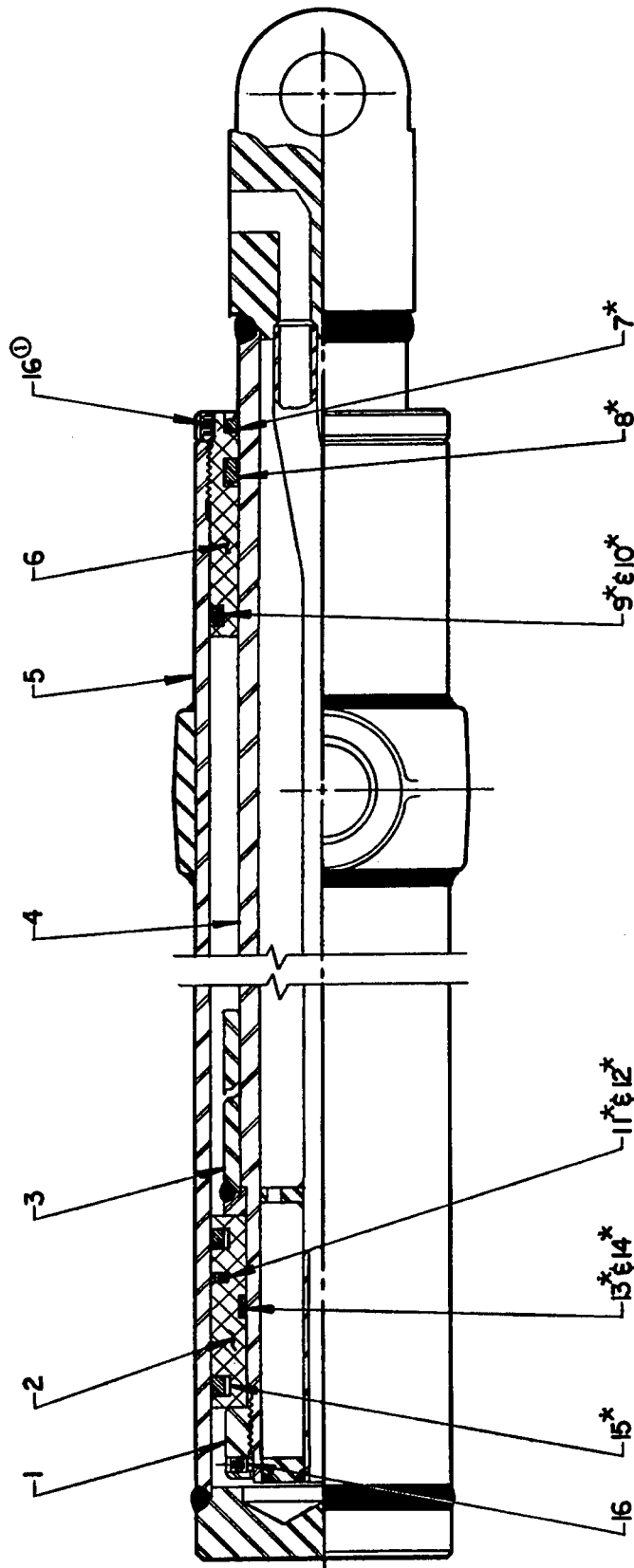
PART
NO.

PLATE
NO. D18.02

[illegible]

TELESCOPE CYLINDER

04-001900



NOTE:
*SEAL KIT P/N 04-001301

PART NO. STAMPED-
04-01900, 61530064005



TITLE

TELESCOPE CYLINDER

SIMON AERIALS INC.

REV. 08/03/90

PART
NO.

04-001900

PLATE
NO.

D19.20

PARTS LIST

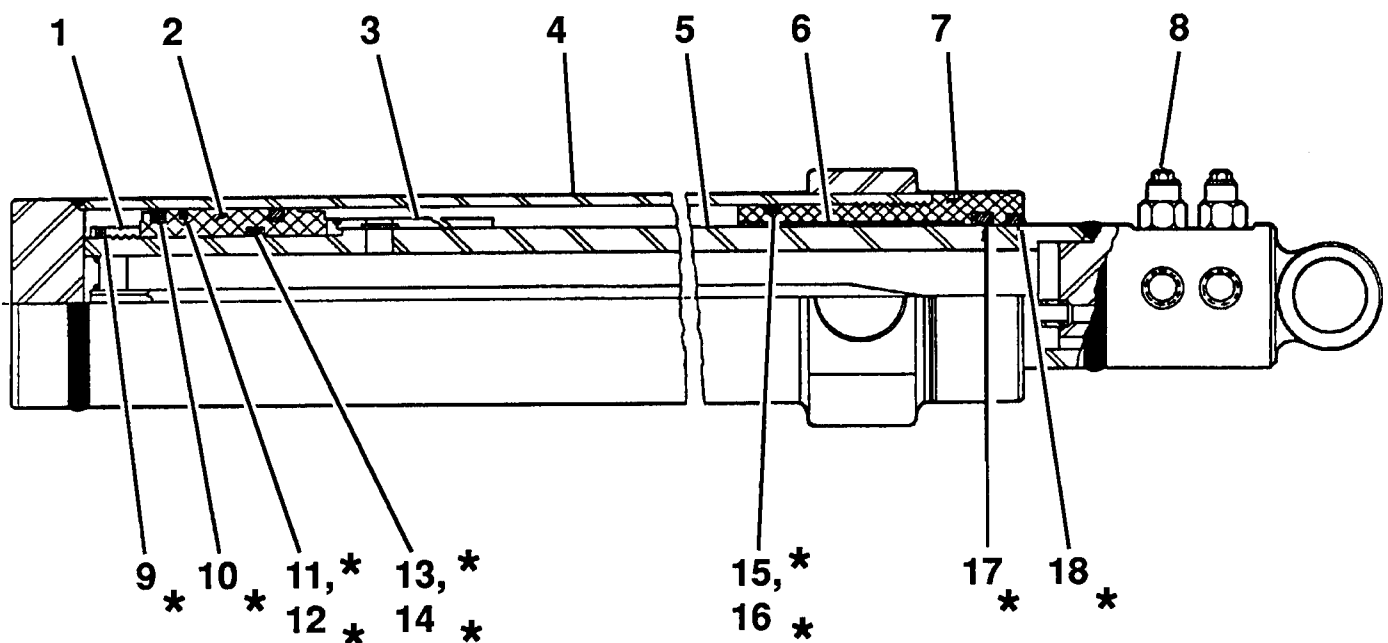
[illegible]

TITLE TELESCOPE (EXTEND) CYLINDER

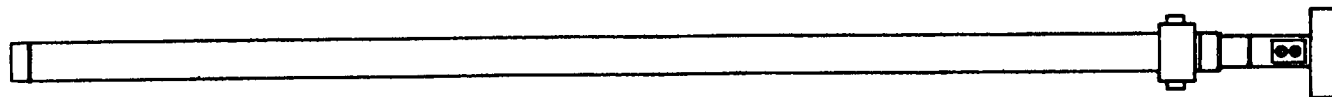
PLATE NO.	D19.27	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 10/01/90

PART NO. 04-011000



Note: Items in seal kit (Item 19) identified by asterisk (*).



TITLE

TELESCOPE (EXTEND) CYLINDER

SIMON AERIALS INC.

REV. 10/01/90

**PART
NO.**

04-011000

**PLATE
NO.**

D19.27

PARTS LIST

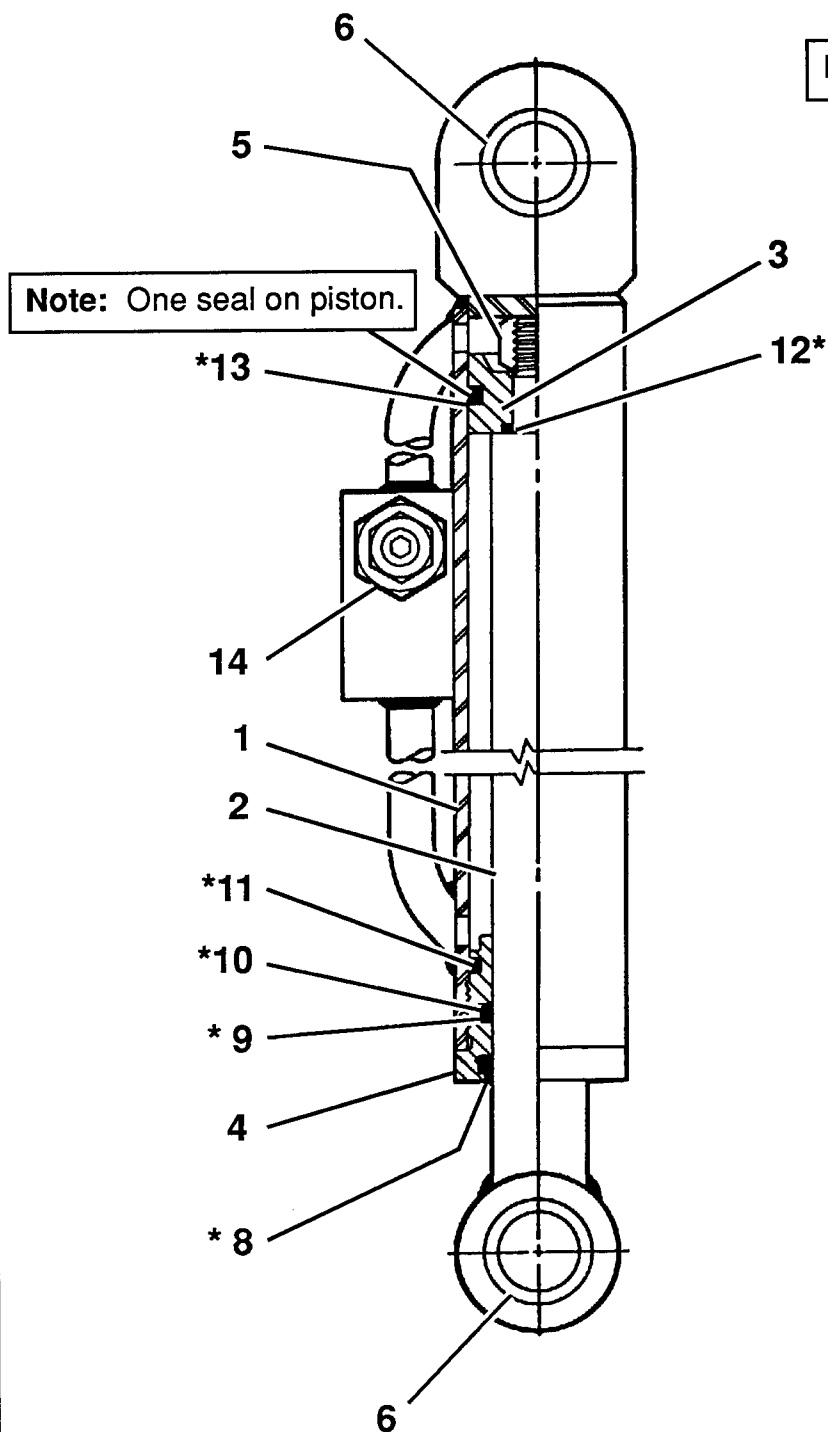
[illegible]

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

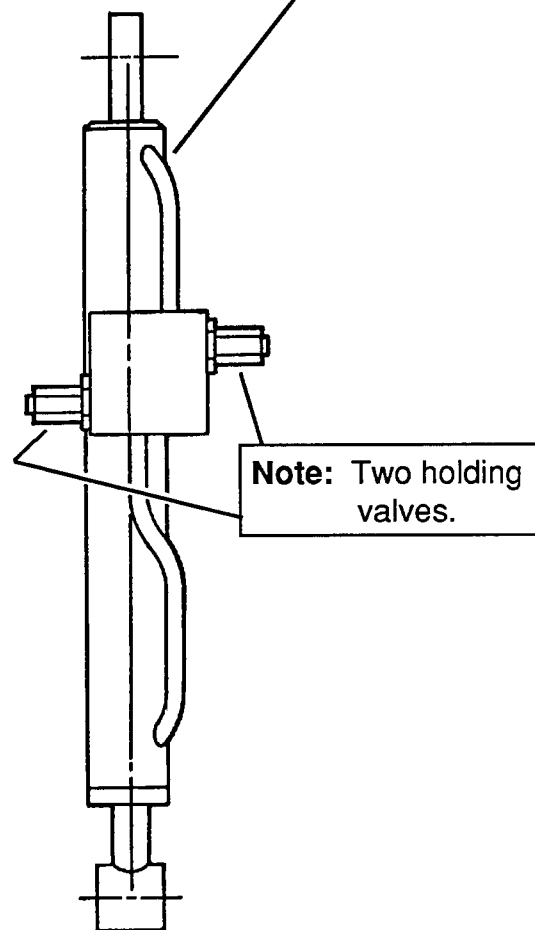
PLATE NO.	D20.02	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 05/02/91

PART NO. 04-007300



Note: No boss where tubes enter case.



AVI # D20.020019

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

SIMON AERIALS INC.

REV. 05/02/91

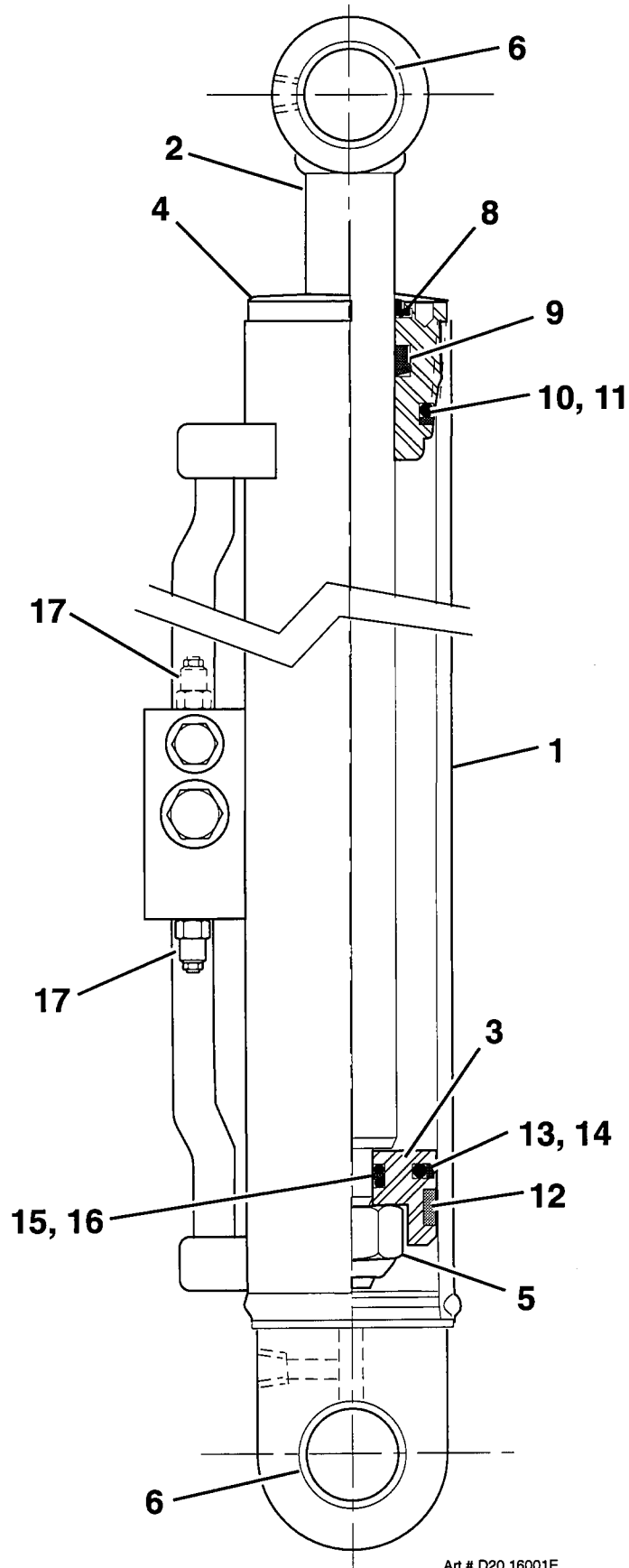
PART
NO.

04-007300

PLATE
NO.

D20.02

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04035400SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, LOCK	1
6	04-035401		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17			VALVE, COUNTERBALANCE	
	04-028302		Type 1 (Valve is stamped "CB-CG-LJN")	2
	01-227200		Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm²)]	2
			Note: "Type 1" and "Type 2" valves are directly interchangeable, but must be replaced in pairs . When ordering a replacement valve, (2) of "Type 2" will be supplied unless otherwise specified.	
18			SEAL KIT, COUNTERBALANCE VALVE	
	04-028303		(for "Type 1" Valve)	1
	01-227201		(for "Type 2" Valve)	1
TITLE SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE				
PLATE NO.	D20.16	SIMON AERIALS INC.		PART NO. 04-035400



Art # D20.16001E

TITLE

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

SIMON AERIALS INC.

NEW 27 APR., 1994

PART
NO.

04-035400

PLATE
NO.

D20.16

PARTS LIST

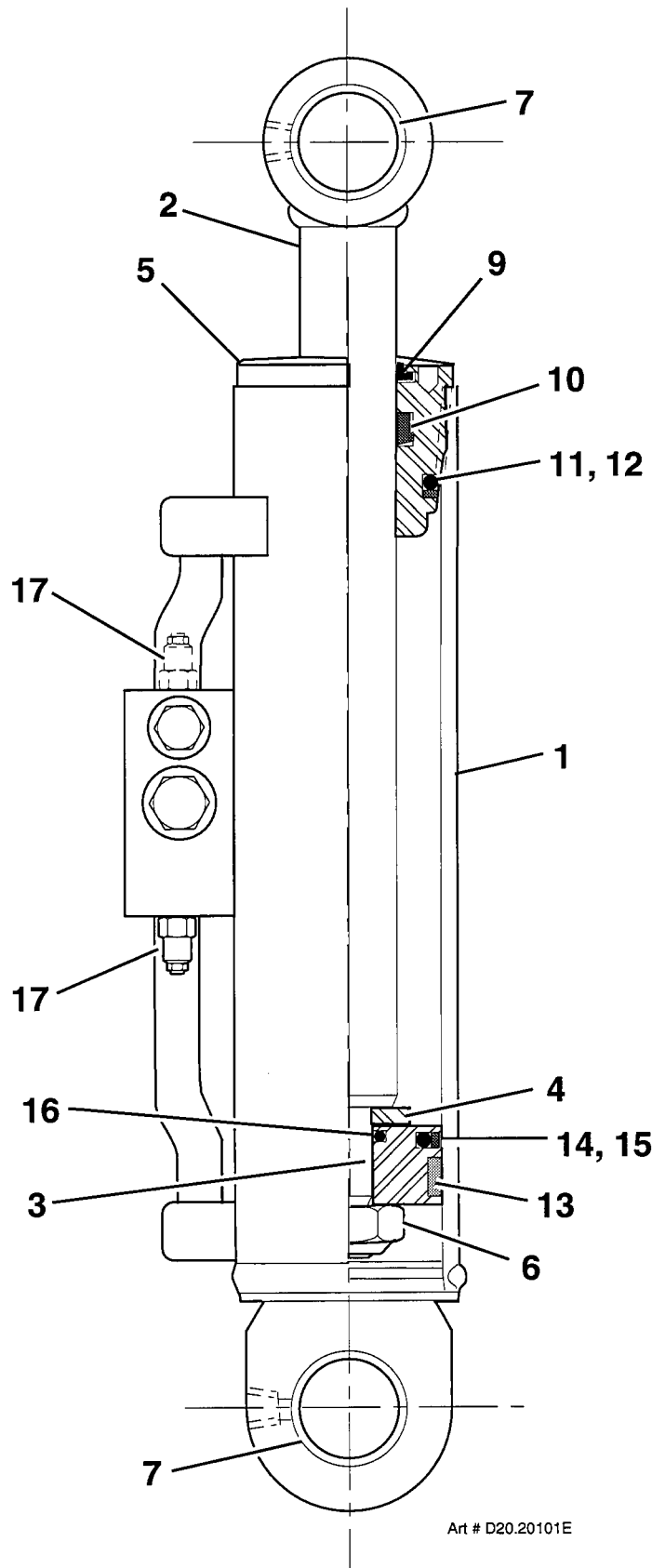
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04039000SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			SPACER	1
5			GLAND, HEAD	1
6			NUT, LOCK	1
7			BUSHING	4
8	04-039001		SEAL KIT	1
9			WIPER, ROD	1
10			SEAL,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

TITLE SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

PLATE NO. D20.201 **SIMON AERIALS INC.**

NEW 22 JUN., 1994

PART NO. 04-039000



Art # D20.20101E

TITLE

SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

SIMON AERIALS INC.

NEW 22 JUN., 1994

PART
NO.

04-039000

PLATE
NO.

D20.201

PARTS LIST

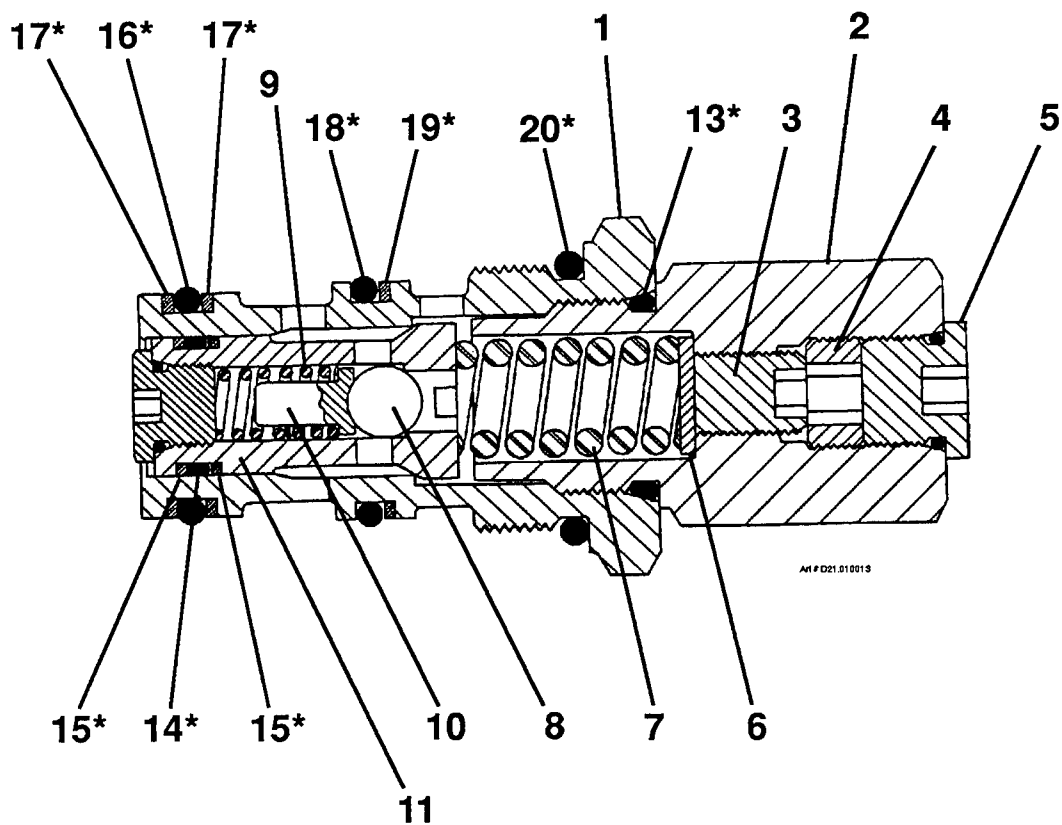
[illegible]

TITLE HOLDING VALVE, SLAVE LEVELING CYLINDER

PLATE NO.	D21.01	SIMON AERIALS INC.
-----------	--------	--------------------

REV. 05/02/91

PART NO. 01-032500



Alt # D21.010019

TITLE

HOLDING VALVE, SLAVE LEVELING CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

01-032500

PLATE
NO.

D21.01

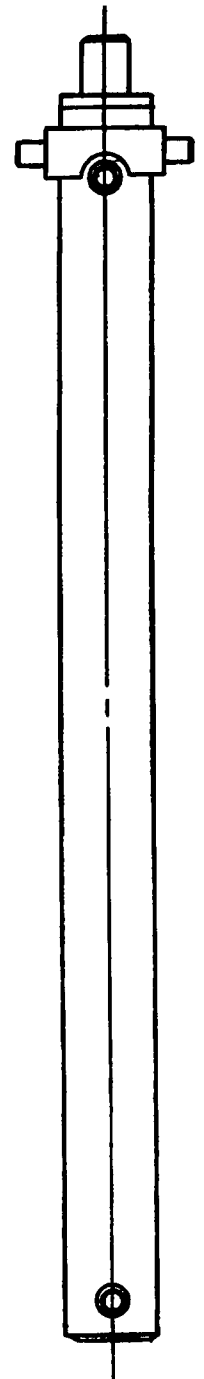
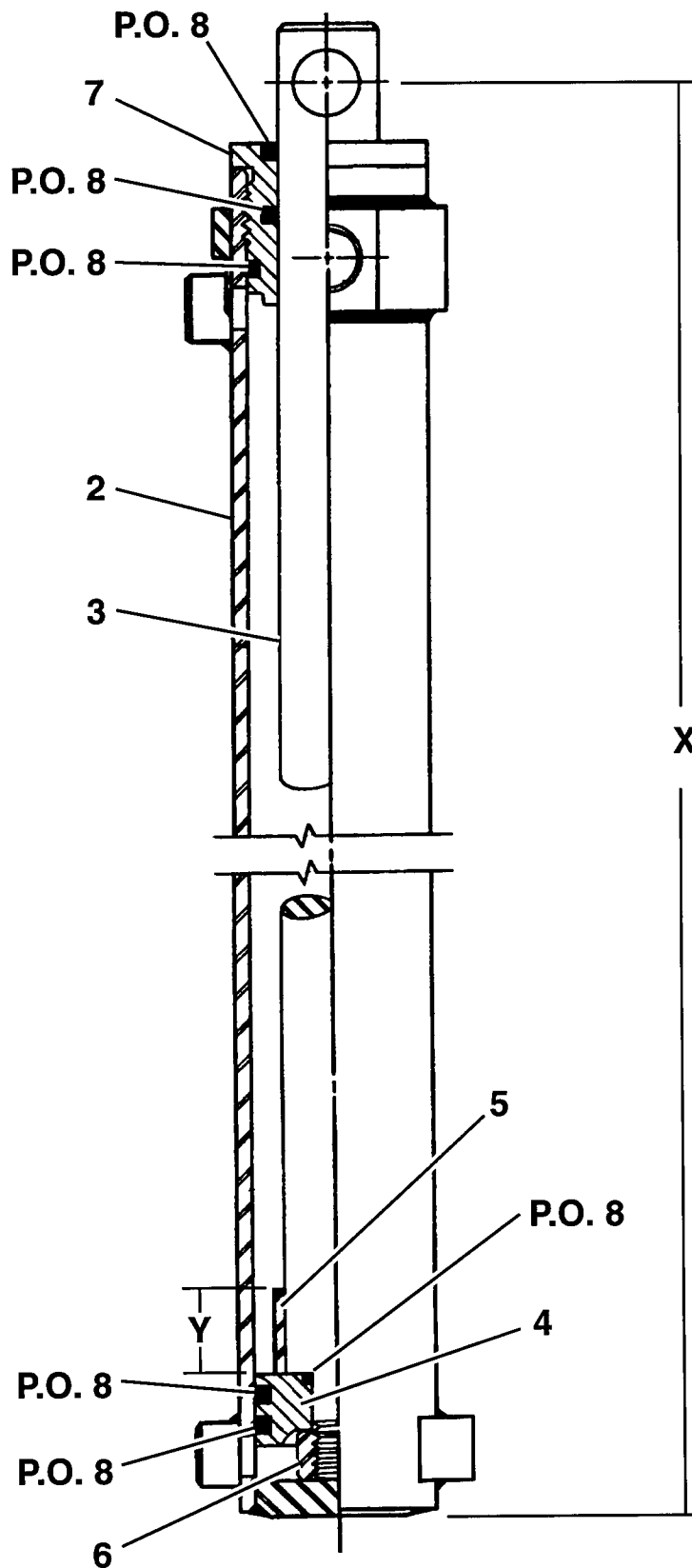
PARTS LIST

[illegible]

TITLE	AXLE EXTEND CYLINDER
-------	----------------------

PLATE NO. D22.03	SIMON AERIALS INC.	REV. 07 JUN., 1994	PART NO.
------------------	--------------------	--------------------	----------

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



Note Double
Piston Seal

TITLE

AXLE EXTEND CYLINDER

SIMON AERIALS INC.

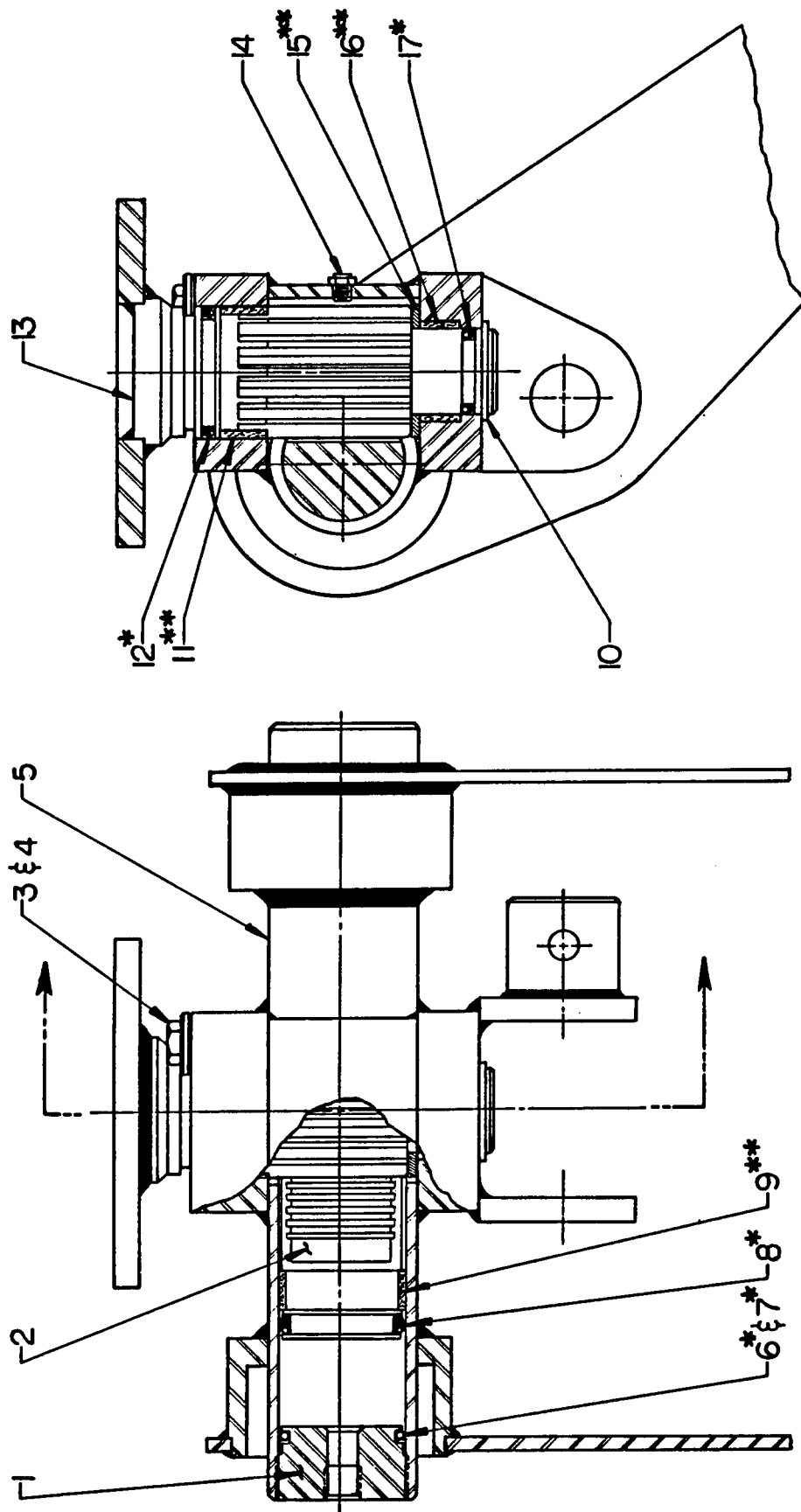
REV. 07 JUN., 1994

PART
NO.

PLATE
NO. D22.03

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			END CAP	2
2			RACK	1
3			SAFETY BOLT	1
4			SAFETY WASHER	1
5			HOUSING	1
6*			"O" RING	2
7*			BACK-UP RING	2
8*			RACK SEAL	2
9**			RACK WEARSTRIP	2
10			SNAP RING	1
11**			PINION SHAFT WEARSTRIP	1
12*			PINION SHAFT SEAL	1
13			PINION	1
14			RELIEF VALVE	1
15**			THRUST RING	1
16**			PINION SHAFT WEARSTRIP	1
17*			PINION SHAFT SEAL	1
*	02-004901		SEAL KIT	1
**	02-004902		BEARING KIT	1
DESCRIPTION			PART NO.	
PLATFORM ROTARY ACTUATOR			SDW-207327-1	



NOTE:

* SEAL KIT P/N 02-004901

** BEARING KIT P/N 02-004902

DESCRIPTION

PLATFORM ROTARY ACTUATOR

PART NO.

SDW-207327-1

PARTS LIST

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

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 1 OF 3)

PLATE NO. D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART NO. 02-010600

PARTS LIST

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

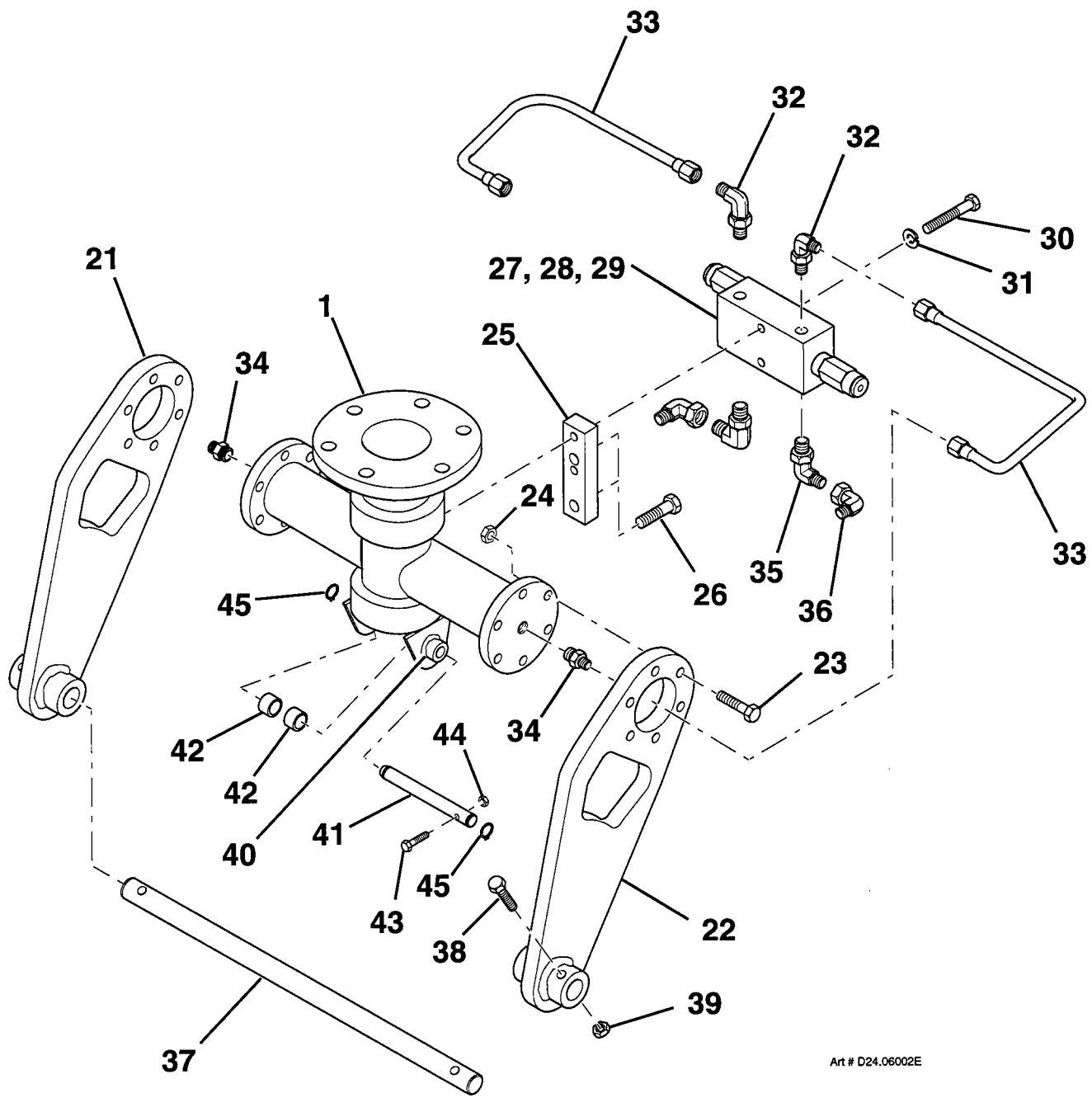
TITLE PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

PLATE NO. D24.06

SIMON AERIALS INC.

REV. 02 MAY, 1994

PART NO. 02-010600



Art # D24.06002E

TITLE

PLATFORM ROTARY ACTUATOR (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 02 MAY, 1994

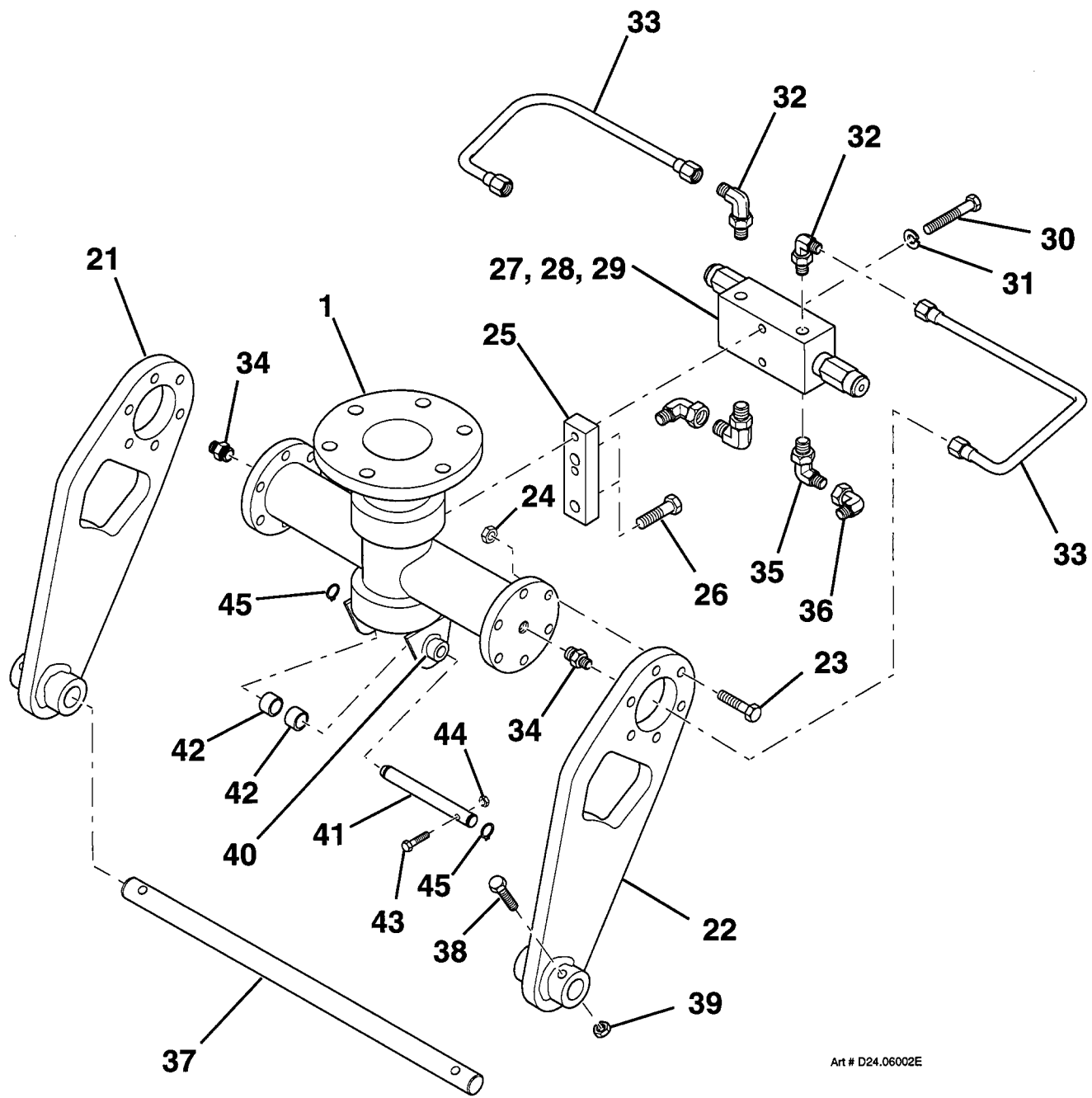
PART
NO.

02-010600

PLATE
NO.

D24.06

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	07-003090		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5. For "Type 1" arm)	12
	07-003089		(1/2"-13 x 2", Grade 5. For "Type 2" arm)	12
24	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	12
25	2111850		SPACER, RELIEF/ CHECK VALVE MOUNTING	1
26	07-008043		CAP SCREW, SOCKET HEAD (3/8"-16 x 3/4", Grade 8)	2
27	01-202000		MANIFOLD, RELIEF/ CHECK VALVE	1
28	01-202001		CARTRIDGE, RELIEF VALVE	1
29	01-202002		CARTRIDGE, CHECK VALVE	1
30	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
31	07-065016		WASHER, HELICAL LOCK (3/8")	2
32	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
33	3530460		TUBE ASSEMBLY	2
34	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	2
35	06-044400		90° ELBOW, STRAIGHT THREAD (4-66 C50X-S)	2
36	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2
37	2102940		PIN, PLATFORM PIVOT (1-1/4" x 20") except Canada	1
	2194480		CSA standards	1
38	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5) 0r	2
	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5) 0r	2
	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
39	07-050016		NUT, HEX LOCK (3/8"-1, Grade 5)	2
40	2080459		TUBE, PIN RETAINER	1
41			PIN, SLAVE CYLINDER (Rod end) (1-1/4" x 4-7/8")	
	2068884		except Canada	1
	2194500		CSA standards	1
42	2068444		SPACER, SLAVE CYLINDER	2
43	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
44	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
45	08-040700		RING, SNAP (1-1/4")	2
TITLE PLATFORM ROTARY ACTUATOR (PLATE 3 OF 3)				
PLATE NO.	D24.06	SIMON AERIALS INC.		PART NO. 02-010600 REV. 22 NOV., 1994 THIS SHEET ONLY



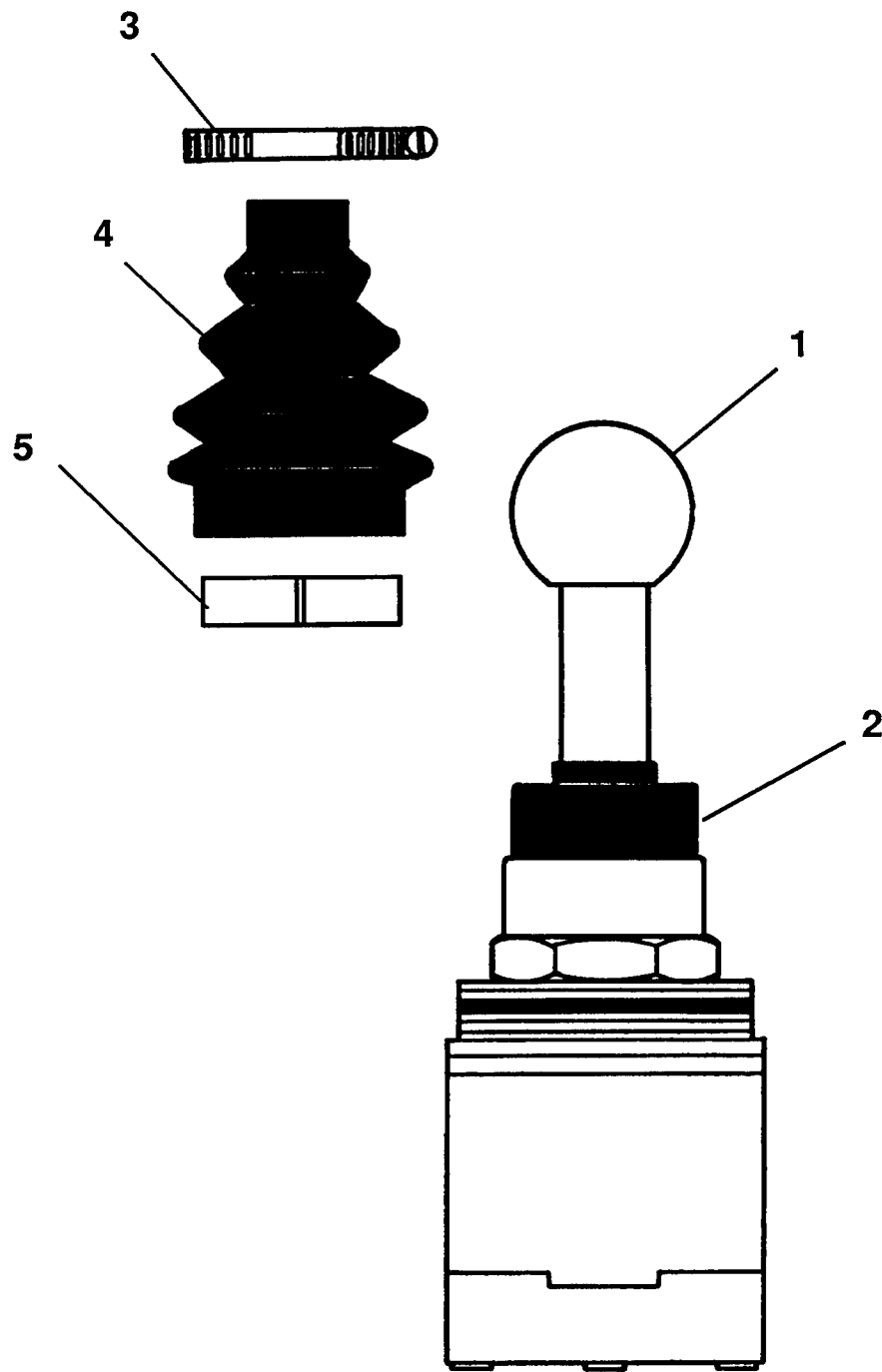
Art # D24.06002E

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

[illegible]

JOYSTICK CONTROLLER (5 POSITION)

03-021800



TITLE

JOYSTICK CONTROLLER (5 POSITION)

SIMON AERIALS INC.

REV. 08/08/91

PART
NO.

03-021800

PLATE
NO.

E01.03

PARTS LIST

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

DESCRIPTION

JOYSTICK CONTROLLER

PART NO.

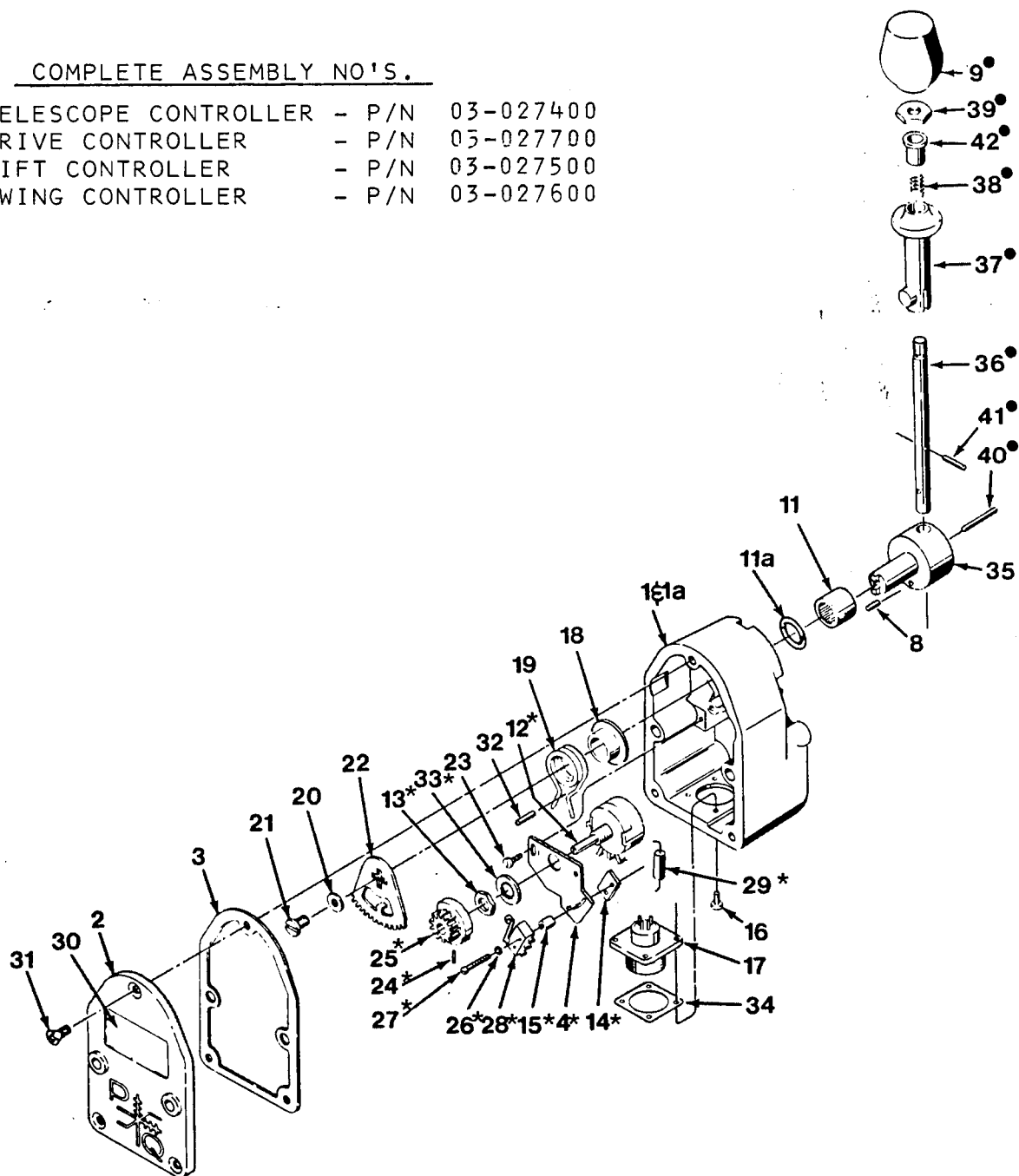
03-027202 THRU 03-027205

E1.6

E1.6

COMPLETE ASSEMBLY NO'S.

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



0485/0385

DESCRIPTION

JOYSTICK CONTROLLER

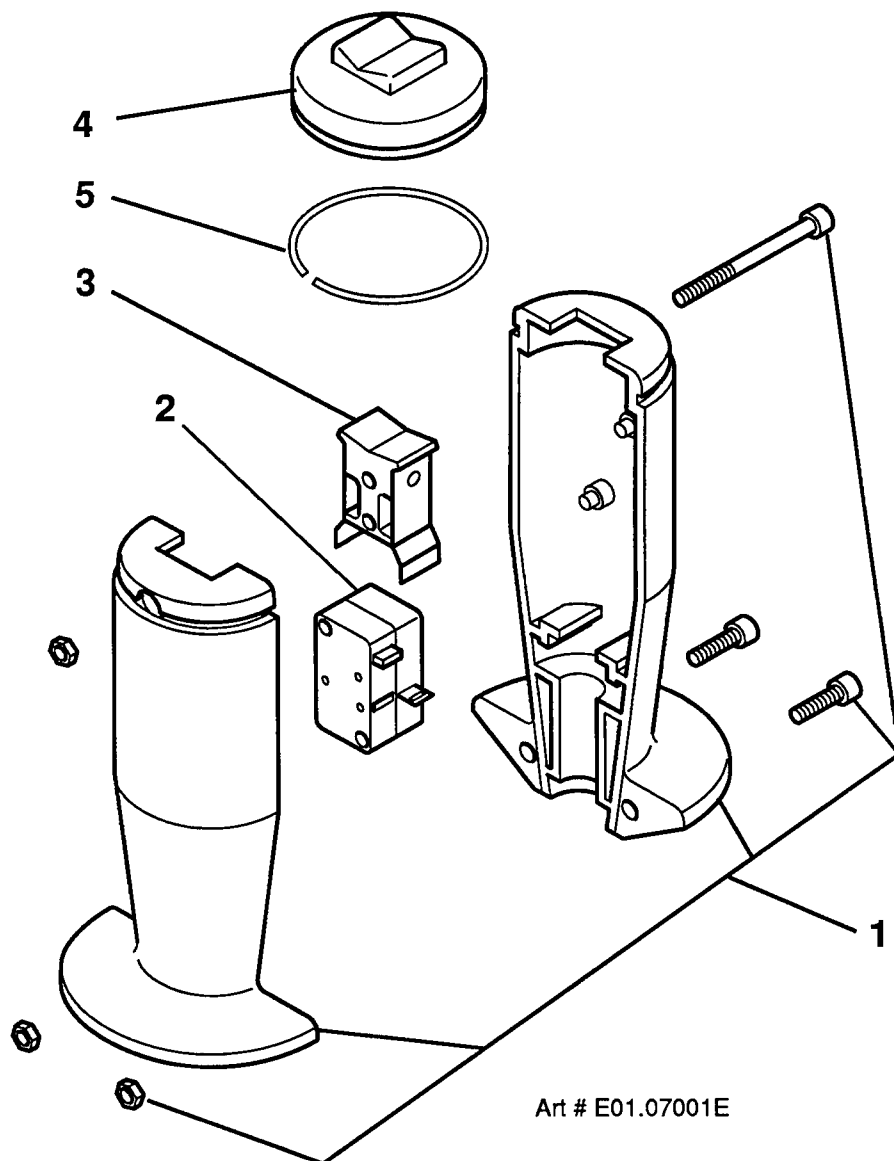
PART NO.

03-027202 THRU 03-027205

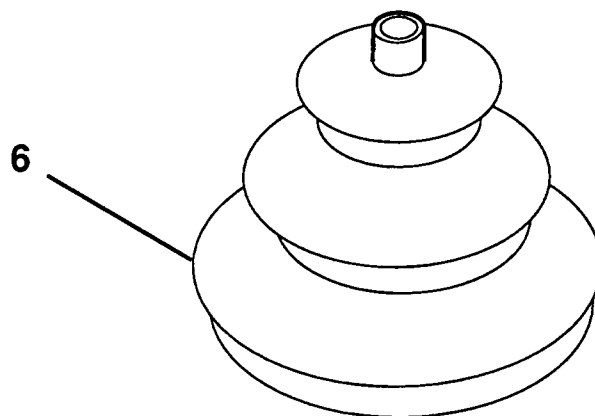
[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

PART NO. 03-402200



Art # E01.07001E



Art # D18.02003E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 18 FEB., 1993

PART
NO.

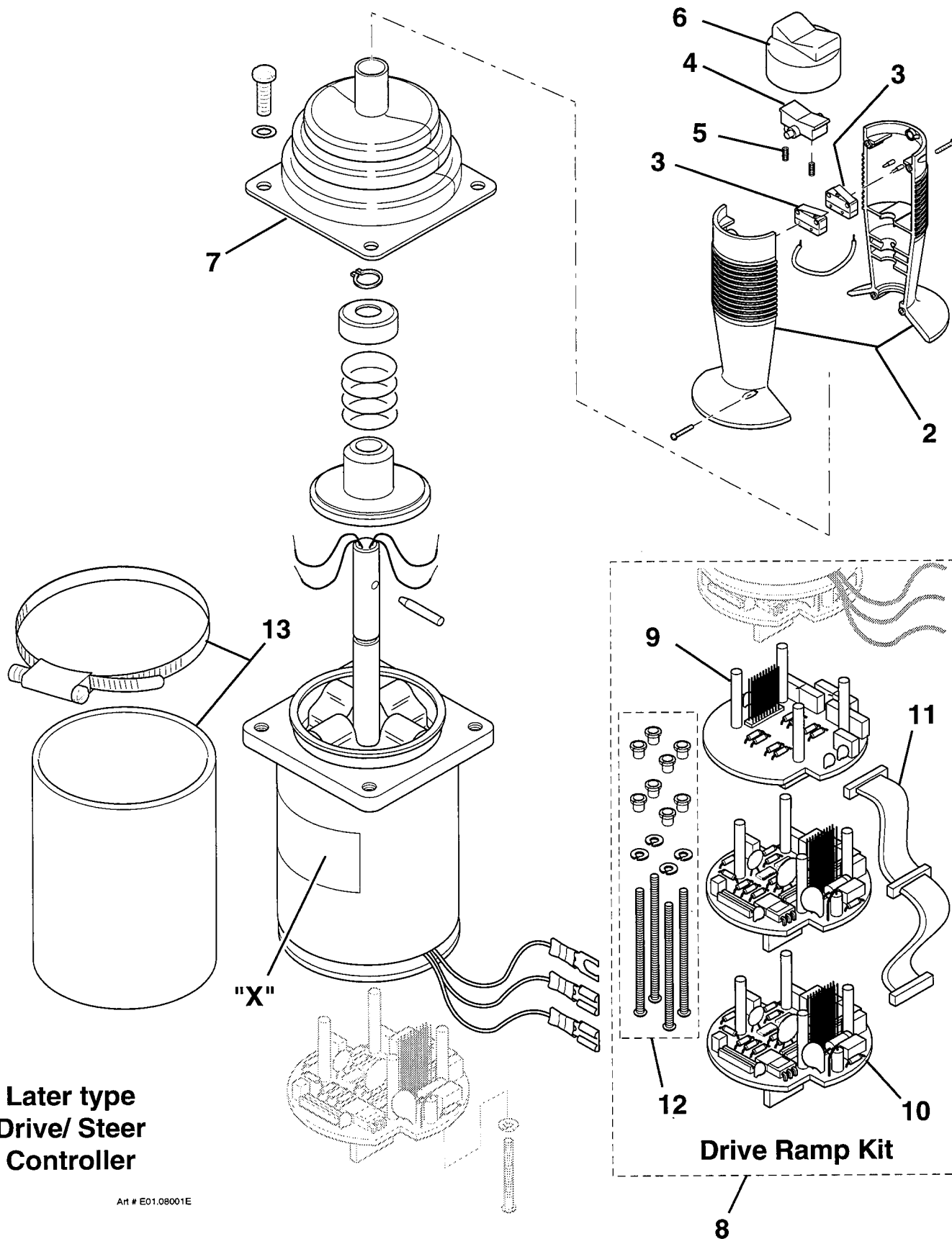
03-402200

PLATE
NO.

E01.07

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

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



Art # E01.08001E

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

SIMON AERIALS INC.

REV. 01 FEB., 1996

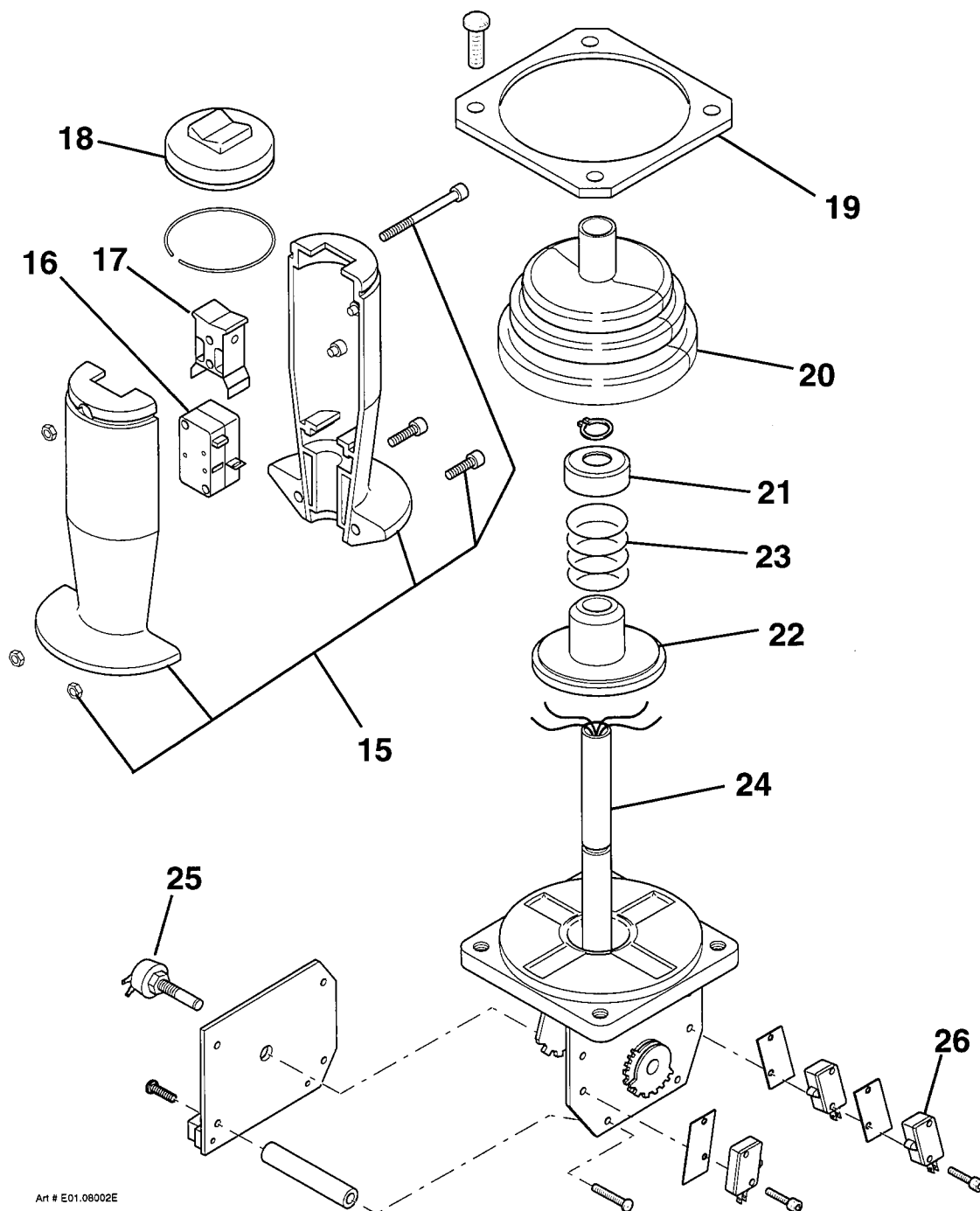
PART
NO.

PLATE
NO.

E01.08

[illegible]

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



Art # E01.08002E

**Earlier type
Drive/ Steer
Controller**

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

SIMON AERIALS INC.

REV. 01 FEB., 1996

**PART
NO.**

**PLATE
NO.** E01.08

[illegible]

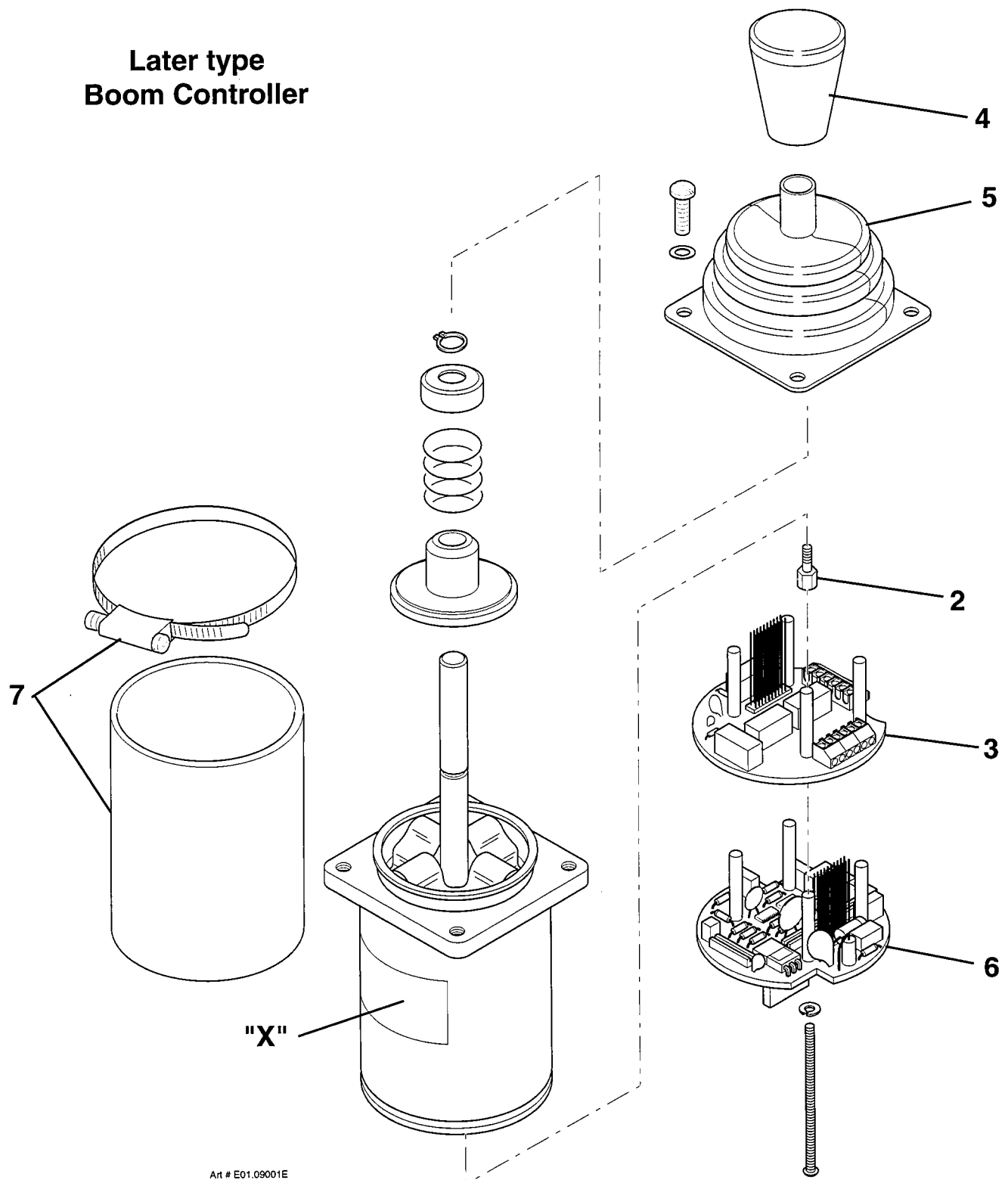
PLATE NO. E01.09

SIMON AERIALS INC.

REV. 01 FEB., 1996

PART
NO.

Later type Boom Controller



Art # E01.09001E

TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

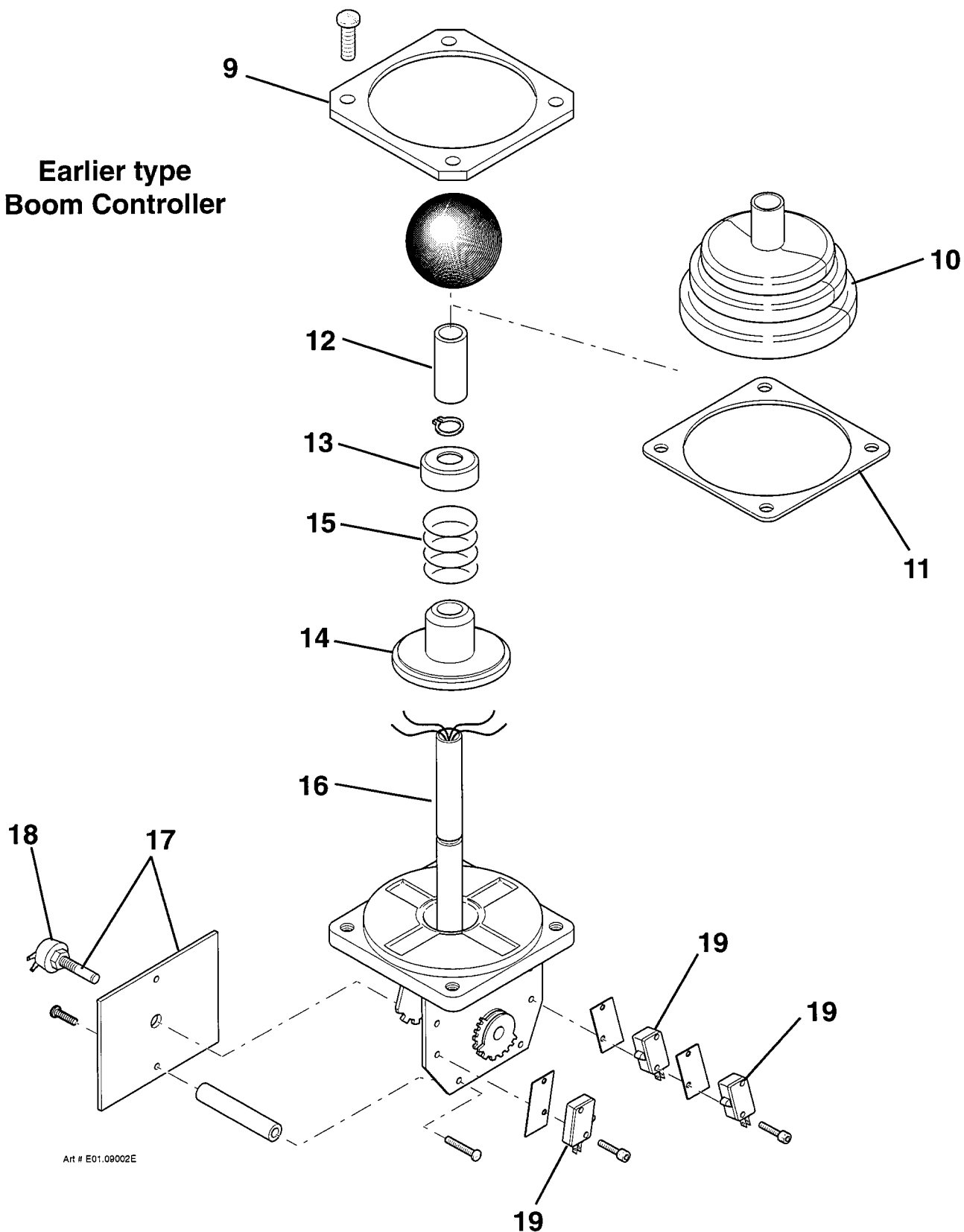
PART
NO.

PLATE
NO. E01.09

[illegible]

PLATE NO. E01.09	SIMON AERIALS INC.	REV. 01 FEB., 1996	PART NO.
------------------	--------------------	--------------------	----------

**Earlier type
Boom Controller**



TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

SIMON AERIALS INC.

REV. 01 FEB., 1996

**PART
NO.**

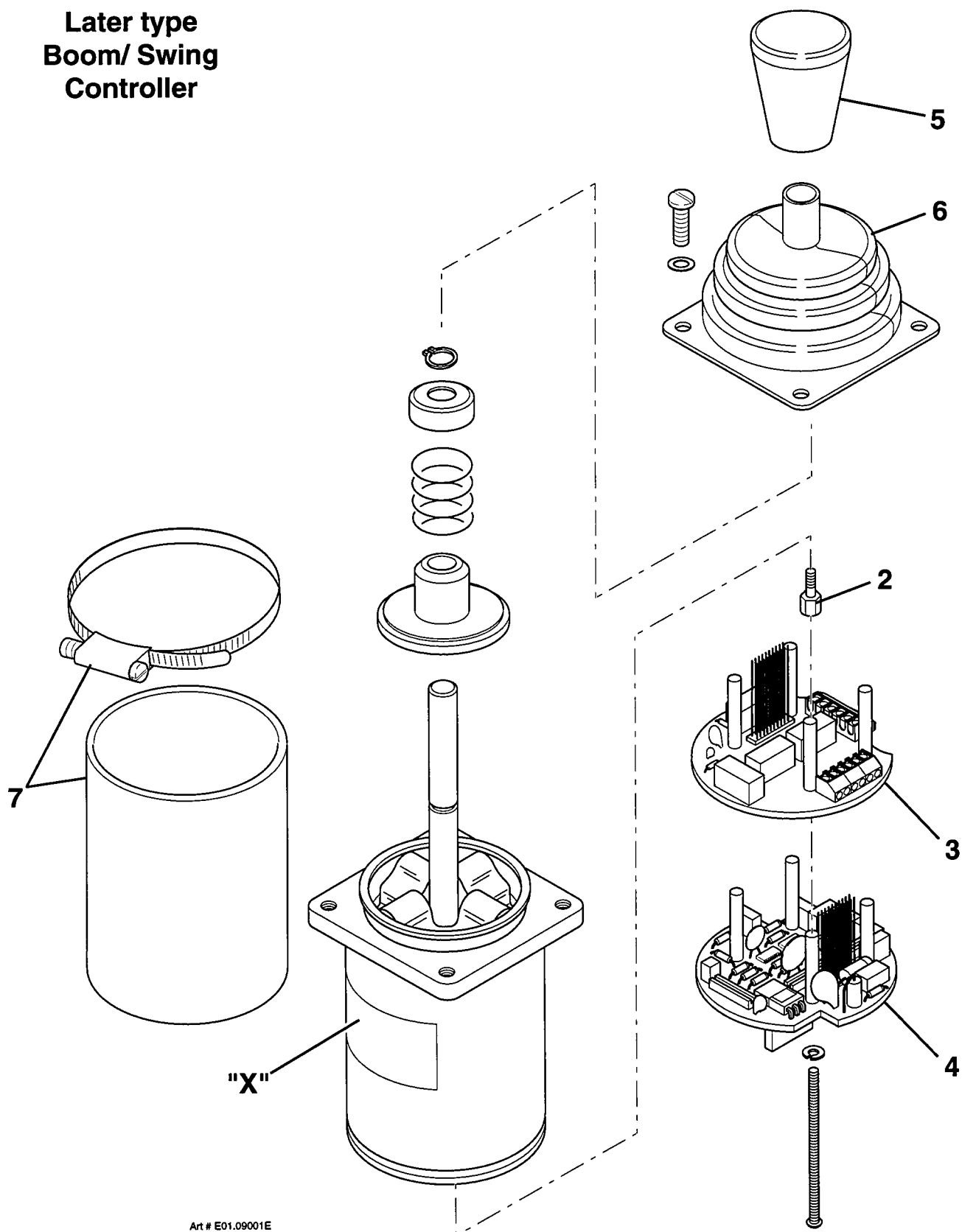
**PLATE
NO.** E01.09

[illegible]

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

PART
NO.

Later type Boom/ Swing Controller



Art # E01.09001E

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

SIMON AERIALS INC.

REV. 07 NOV., 1994

PART
NO.

PLATE
NO. E01.10

PARTS LIST

[illegible]

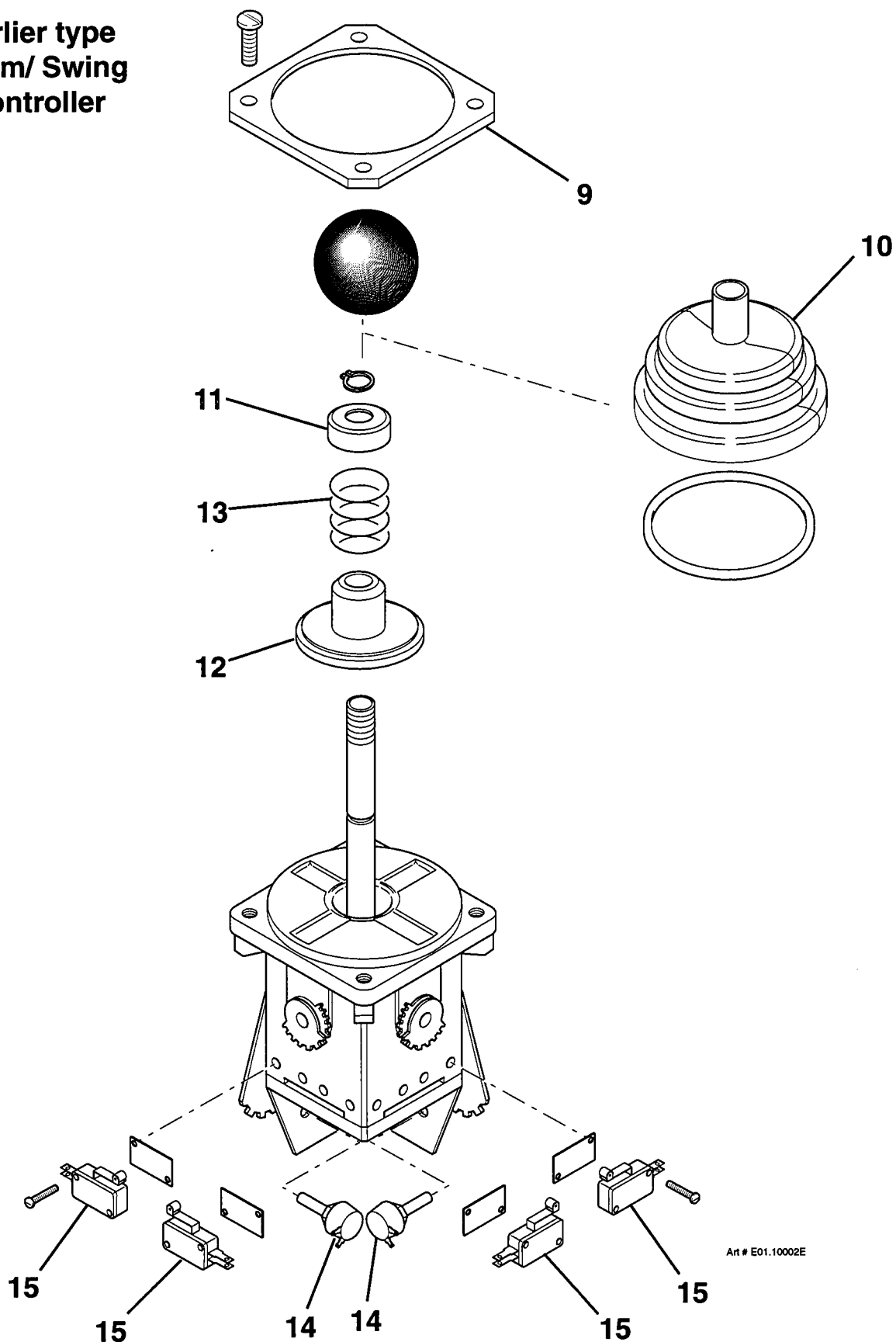
TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

PLATE NO. E01.10

SIMON AERIALS INC. REV. 07 NOV., 1994

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

**Earlier type
Boom/ Swing
Controller**



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

SIMON AERIALS INC.

REV. 07 NOV., 1994

**PART
NO.**

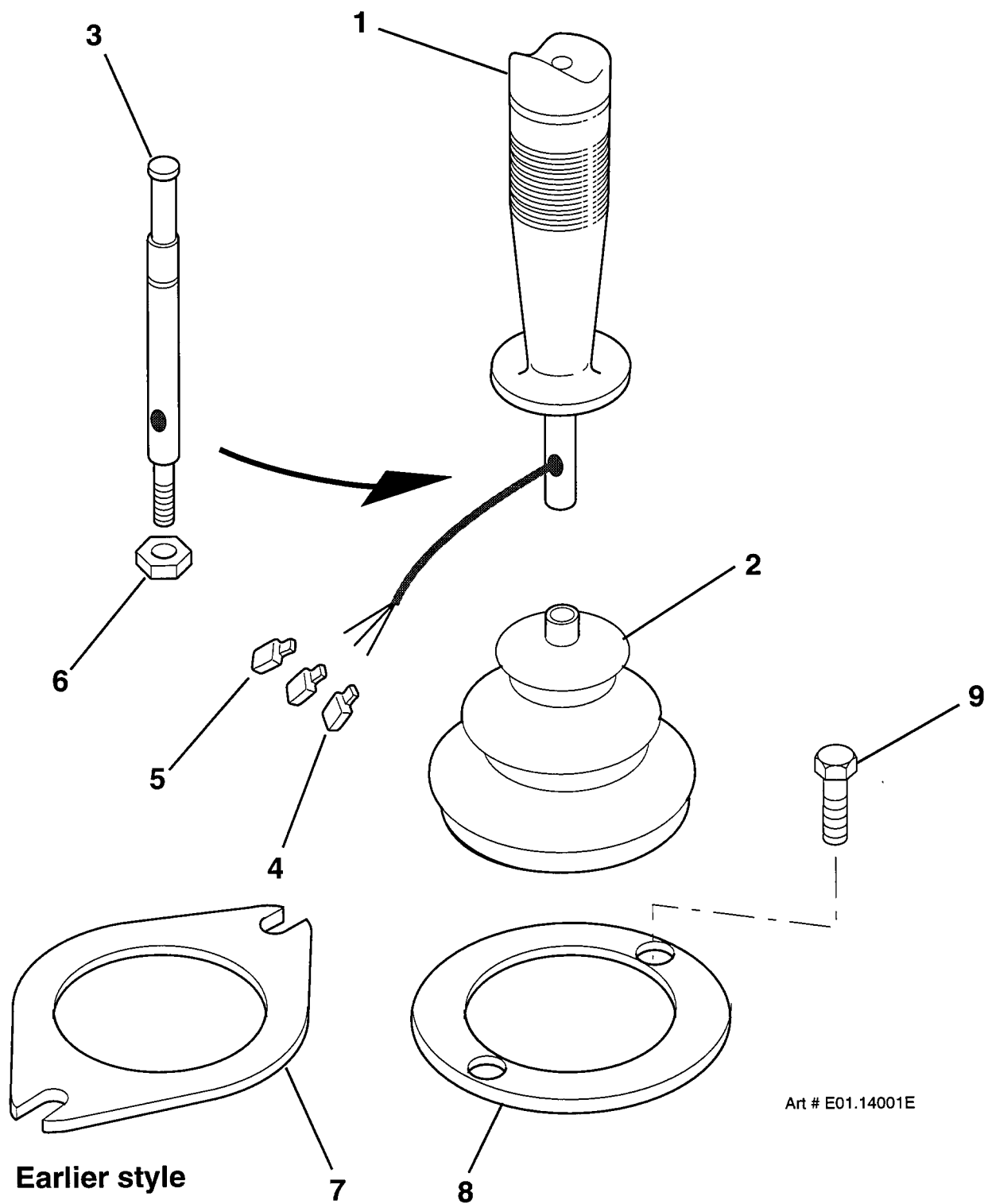
**PLATE
NO. E01.10**

PARTS LIST

[illegible]

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

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



Art # E01.14001E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 01 MAR., 1994

PART
NO.

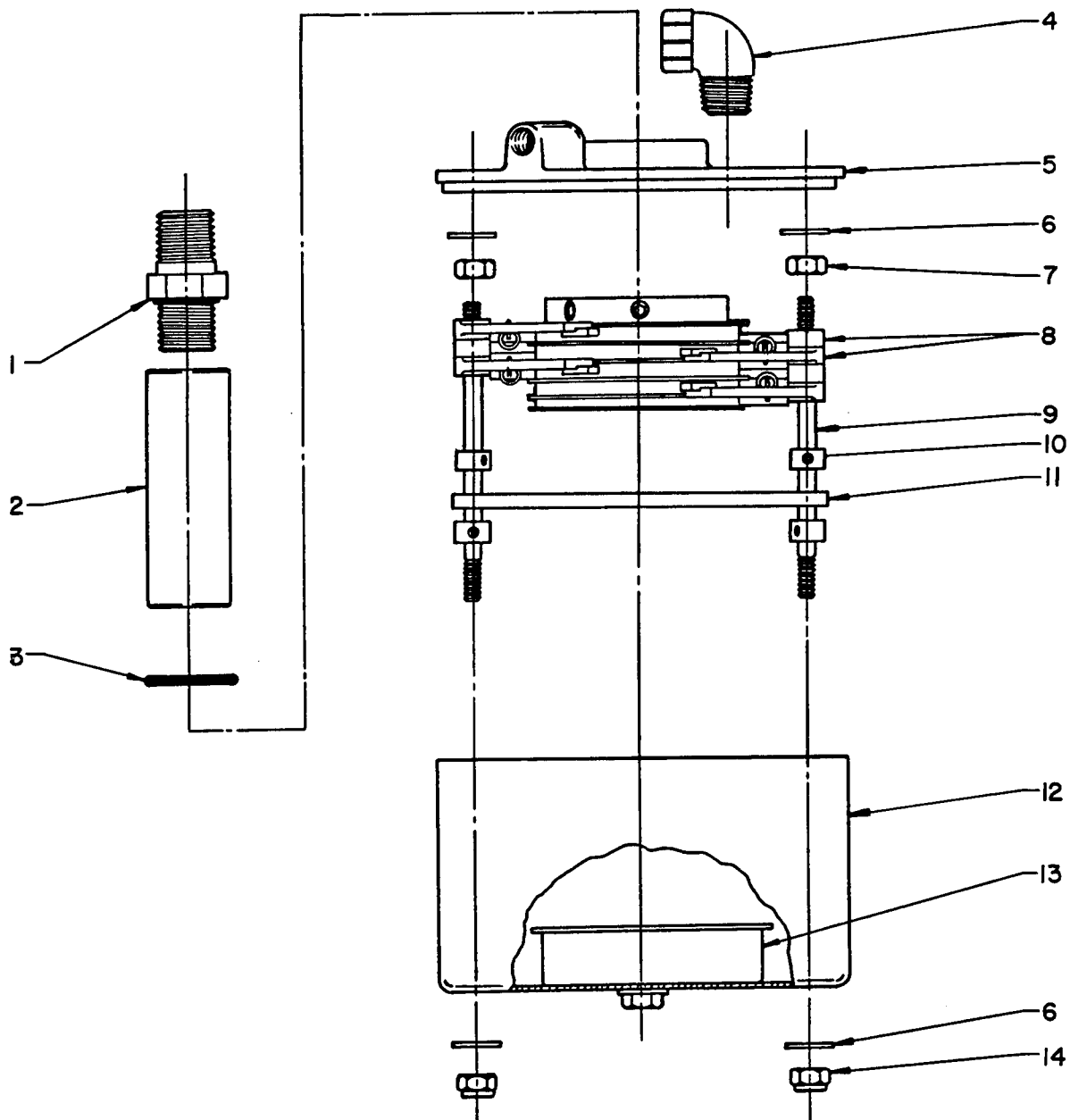
3530010

PLATE
NO.

E01.14

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SAD-206755-9		MODIFIED CONNECTOR	1
2			CONNECTING COLLAR	1
3			'O' RING	
4			CORD GRIP, 90° 3/4"	1
5			BASE PLATE	1
6			FLATWASHER, 5/16"	4
7			HEX NUT, 5/16"-18	2
8			BRUSH ASSEMBLY (INCL. BRUSH, ARMS & SPRING)	4
9			BRUSH HOLDING STUD	2
10			COLLAR	4
11			NYLON BEARING	1
12			COVER	1
13			RUBBING DISC	1
14			LOCKNUT, 5/16"-18	2
DESCRIPTION			ELECTRICAL SWIVEL, 4 CIRCUIT	
			PART NO.	



1085/0985

DESCRIPTION

ELECTRICAL SWIVEL, 4 CIRCUIT

PART NO.

03-038200

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)

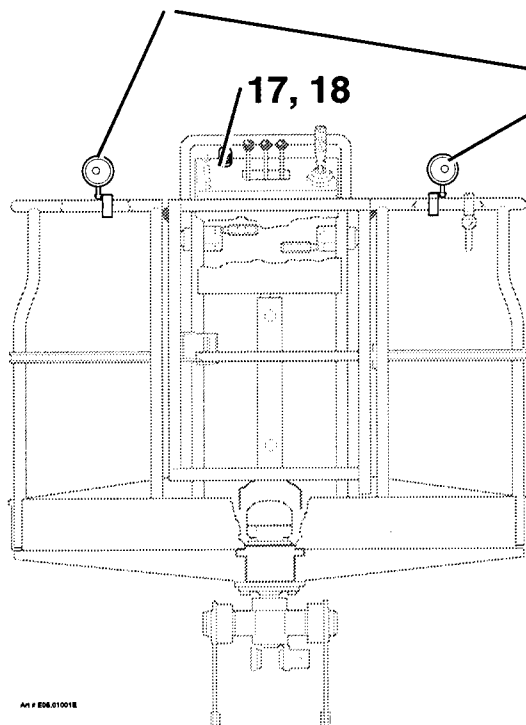
PLATE
NO.

E05.01

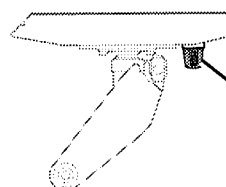
SIMON AERIALS INC.

REV. 09 NOV., 1994

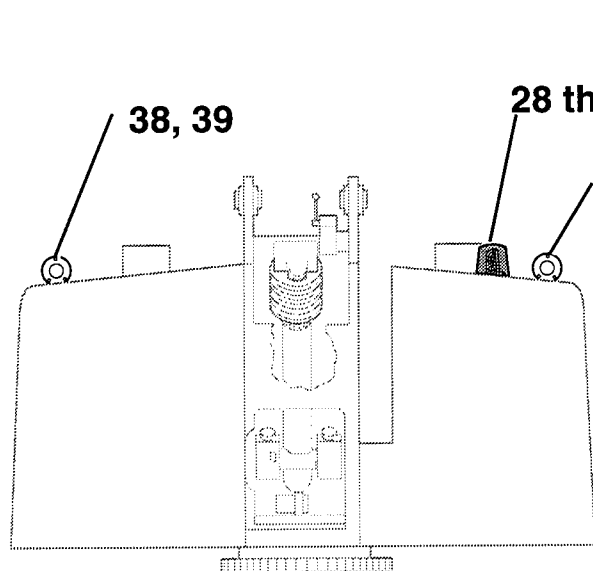
PART
NO.



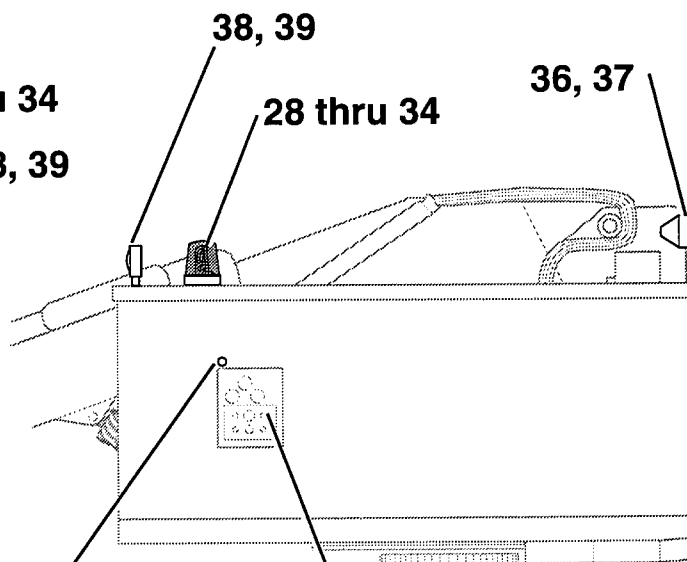
Art # E05.01001B



28 thru 34



Art # E05.01002E



17, 18

41, 42

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

SIMON AERIALS INC.

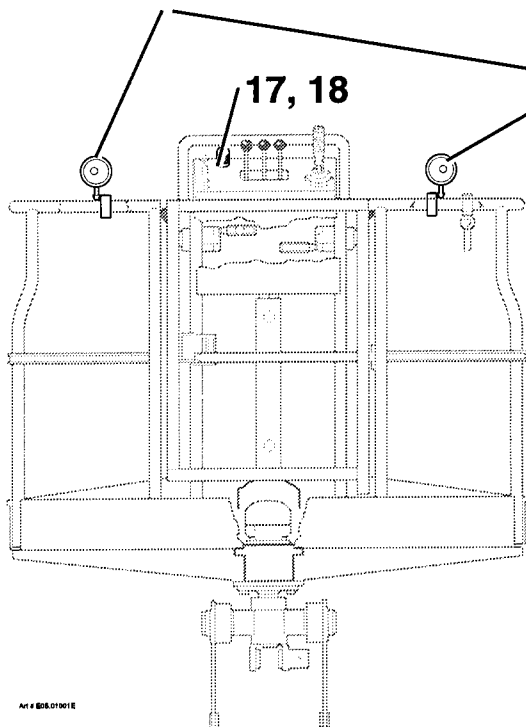
REV. 09 NOV., 1994

PART
NO.

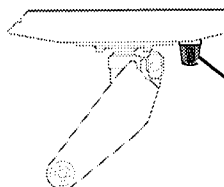
PLATE
NO.

E05.01

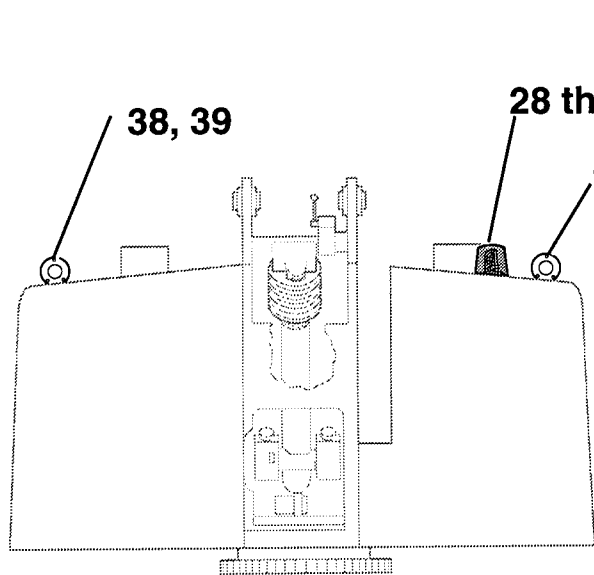
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	353 5030		ROTARY BEACON PACKAGE (Amber)	1
29	03-030600		BEACON, ROTARY (Amber, 12 Volt DC)	1
30	03-030601		LENS, ROTARY BEACON (Amber)	1
31	No Part #		BULB, ROTARY BEACON (#1156, 12 Volt DC)	1
32	03-064800		GROMMET (Plastic)	1
33	03-087500		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.		PART NO.
			REV. 09 NOV., 1994	



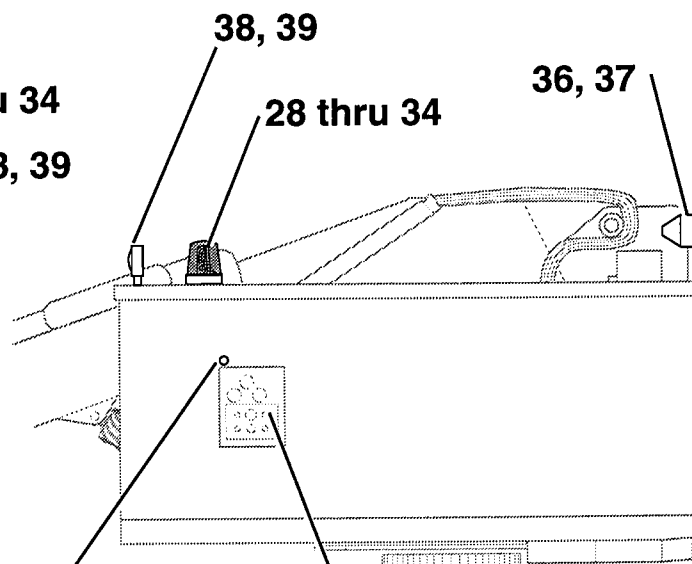
Art # E05.01001E



28 thru 34



Art # E05.01002E



17, 18

41, 42

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

PLATE
NO.

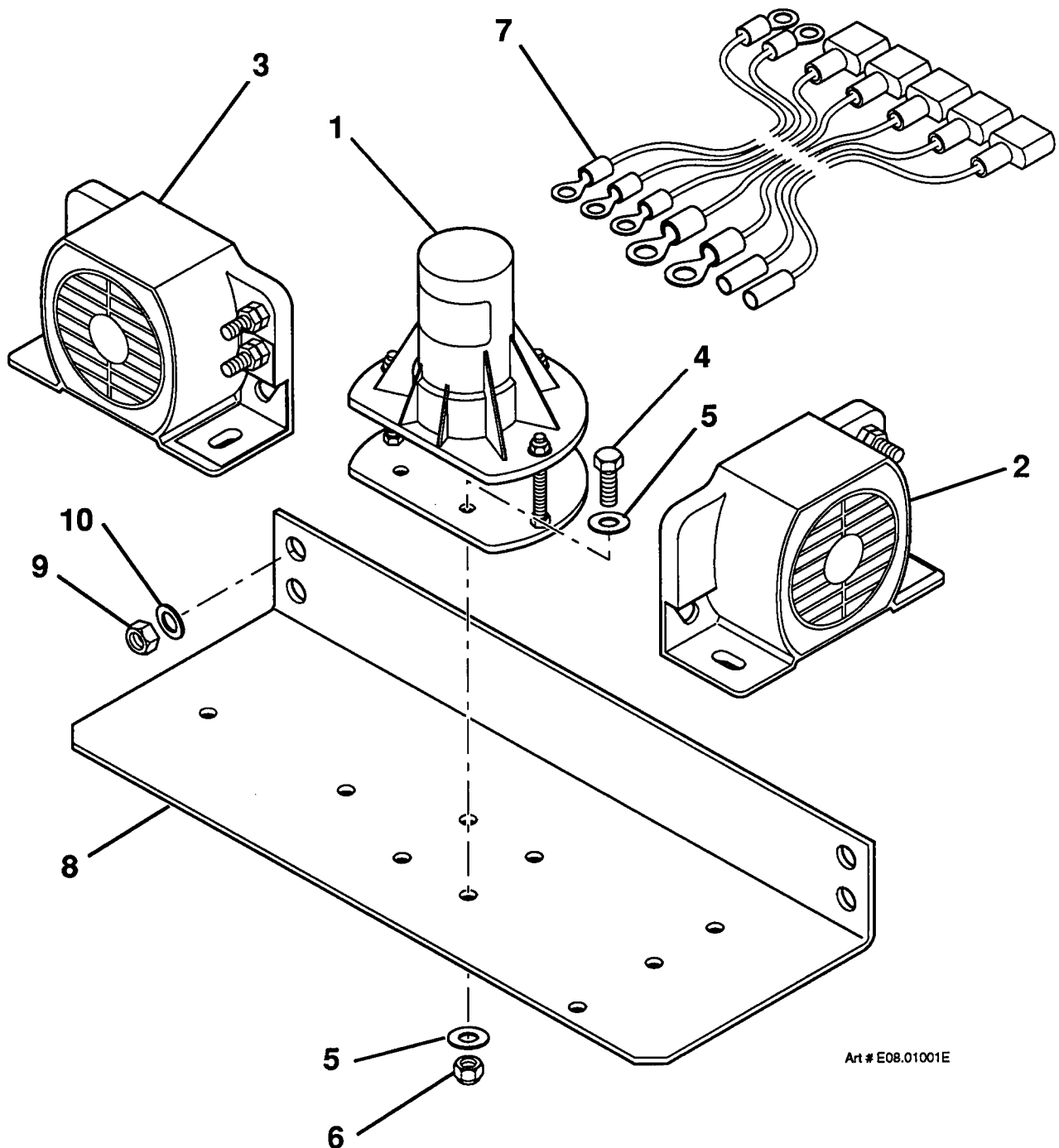
E05.01

PARTS LIST

[illegible]

TITLE ALARM PACKAGE ASSEMBLY, MP

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



Art # E08.01001E

TITLE

ALARM PACKAGE ASSEMBLY, MP

SIMON AERIALS INC.

NEW 03/11/91

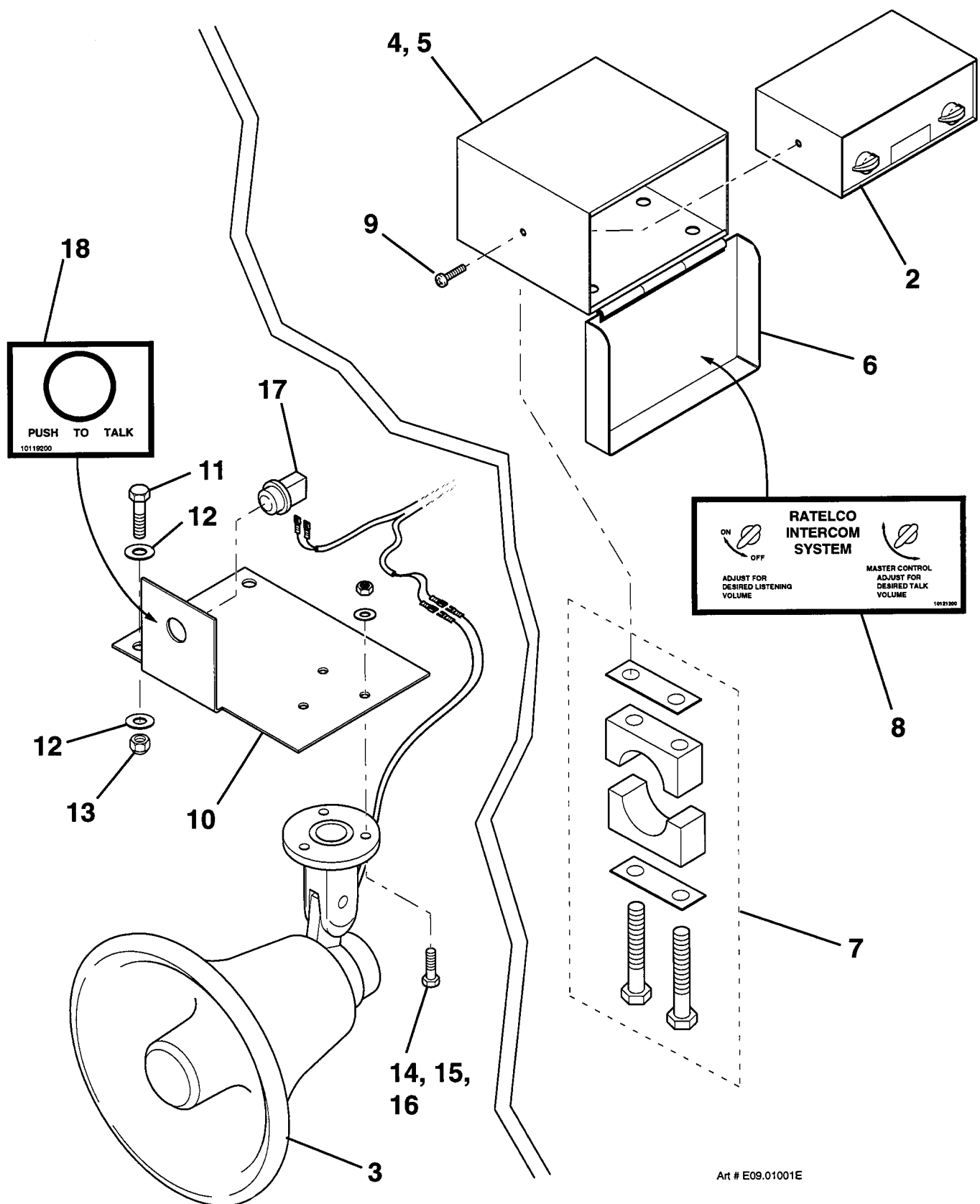
PART
NO.

3505326

PLATE
NO.

E08.01

[illegible]



TITLE

MOBILE INTERCOM SYSTEM (OPTION)

SIMON AERIALS INC.

NEW 02 MAY., 1994

PART
NO.

PLATE
NO.

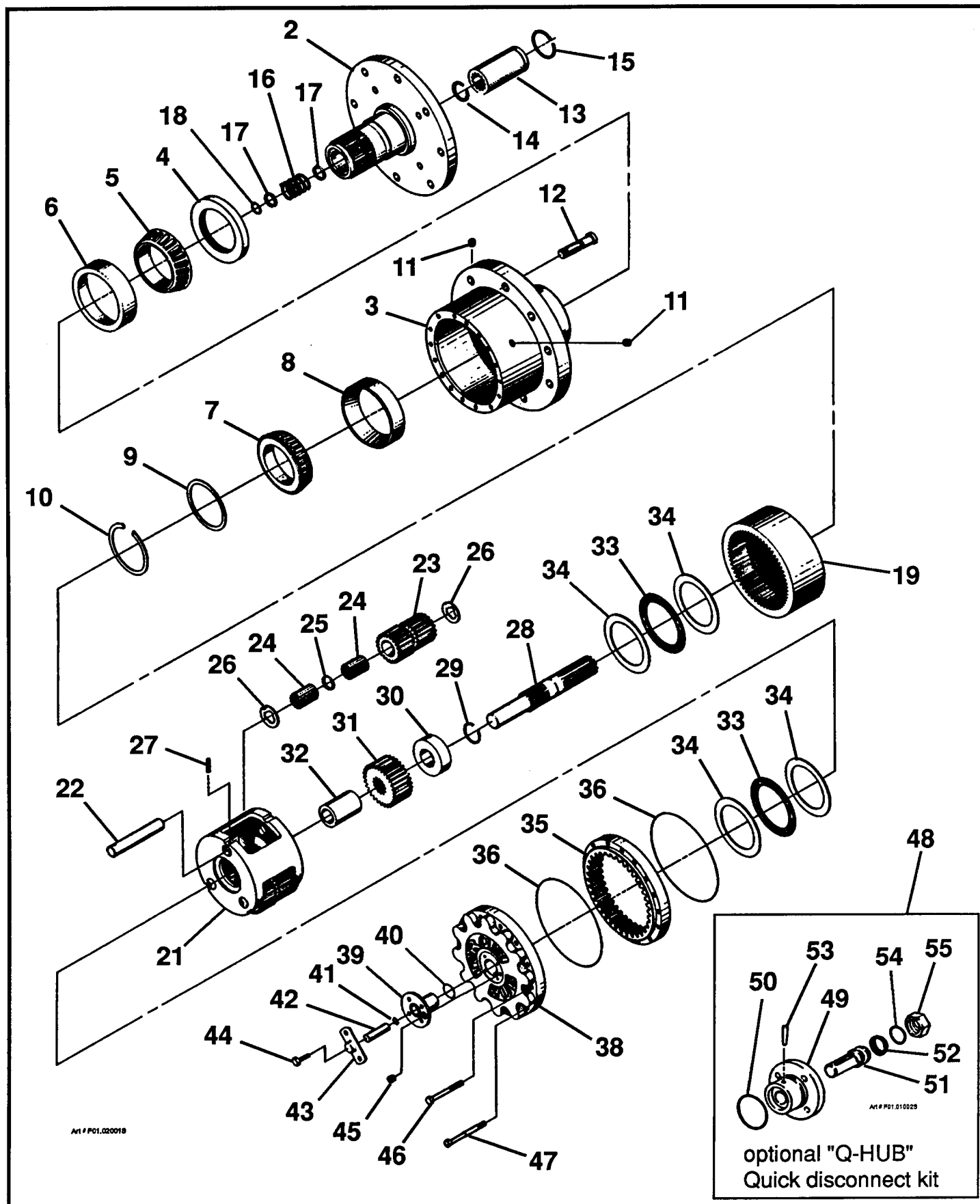
E09.01

PARTS LIST

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

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

PLATE NO.	F01.02	SIMON AERIALS INC.	REV.05/16/91	PART NO. 02-000600
-----------	--------	--------------------	--------------	--------------------



TITLE

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

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

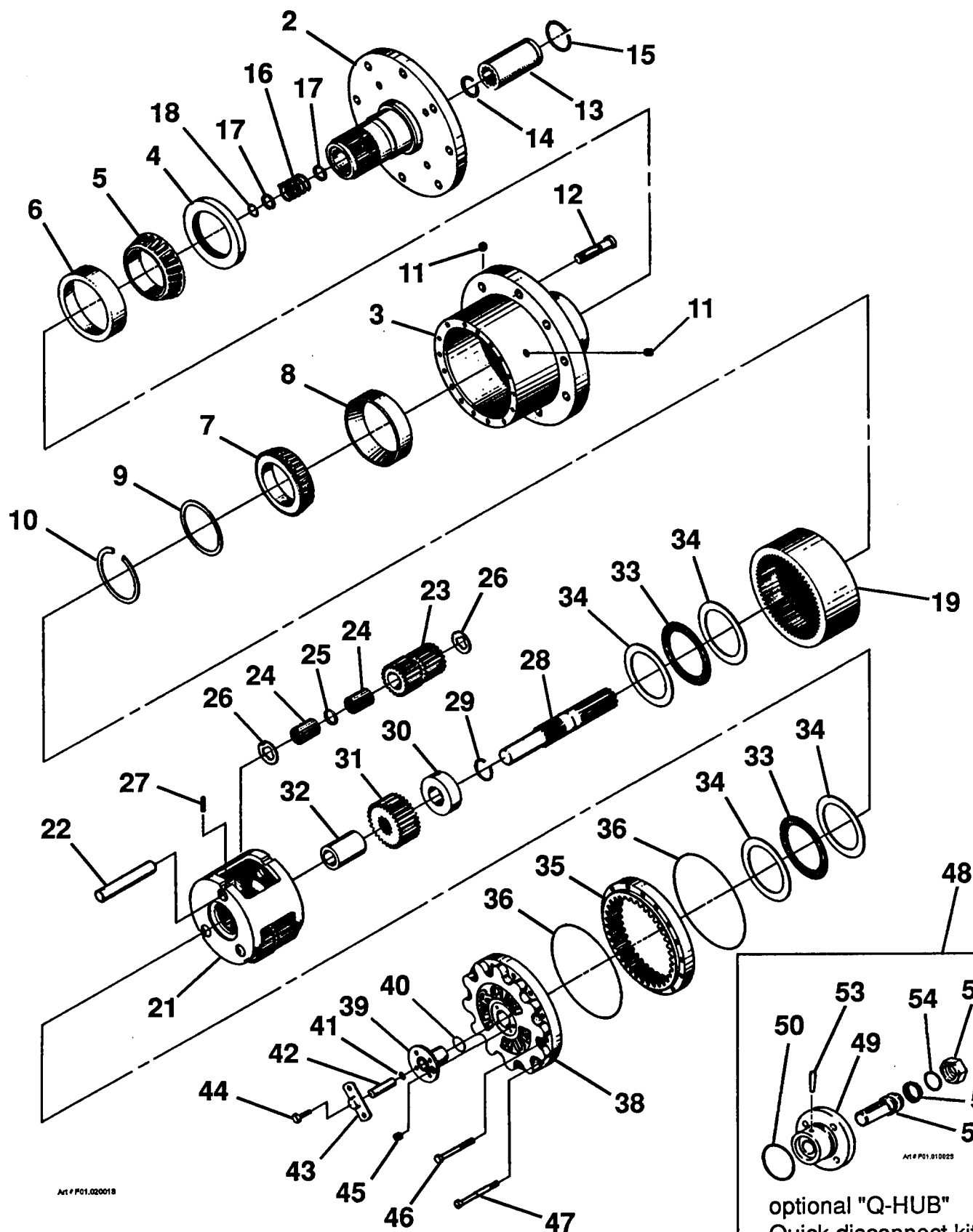
PLATE
NO.

F01.02

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

PLATE NO.	F01.02	SIMON AERIALS INC.	REV.06/28/91 THIS SHEET ONLY	PART NO.	02-000600
-----------	--------	--------------------	---------------------------------	----------	-----------

REV.06/28/91
THIS SHEET ONLY



Art # P01.020018

Art # P01.010029

optional "Q-HUB"
Quick disconnect kit

TITLE

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

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 34) reads "W3BX50354 ZB"	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-010504		SPINDLE	1
3	02-010503		HUB	1
4	02-000605		SEAL, HUB	1
5	02-000617		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-000632		CUP, HUB BEARING (inner)	1
7	02-000616		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000633		CUP, HUB BEARING (outer)	1
9	02-000623		SPACER, HUB	1
10	02-000606		RING, RETAINING	1
11			PLUG, PIPE	2
12	02-010502		STUD, WHEEL MOUNTING	10
13	02-000615		COUPLING, MOTOR	1
14	02-000626		RING, RETAINING	1
15	02-000619		RING, RETAINING	1
16	02-000625		SPRING	1
17	02-000627		WASHER	2
18	02-000626		RING, RETAINING	1
19	02-000624		GEAR, INTERNAL	1
20	02-010501		CARRIER ASSEMBLY, PLANETARY	1
21			CASE, CARRIER	1
22	02-000635		SHAFT, PLANET	3
23	02-000637		GEAR, PLANET	3
24	02-000630		ROLLER, NEEDLE	84
25	02-010506		SPACER	3
26	02-010505		WASHER, THRUST	6
27	02-000636		PIN, ROLL	3
28	02-004801		SHAFT, INPUT	1
29	02-000619		RING, RETAINING	1
30			SPACER, THRUST	1
31	02-004803		GEAR, INPUT	1
32	02-004802		SPACER, THRUST	1
33	02-000610		BEARING, THRUST	2
34	02-000609		WASHER, THRUST	4
35	02-000634		GEAR, RING	1
36	02-000607		O-RING	2

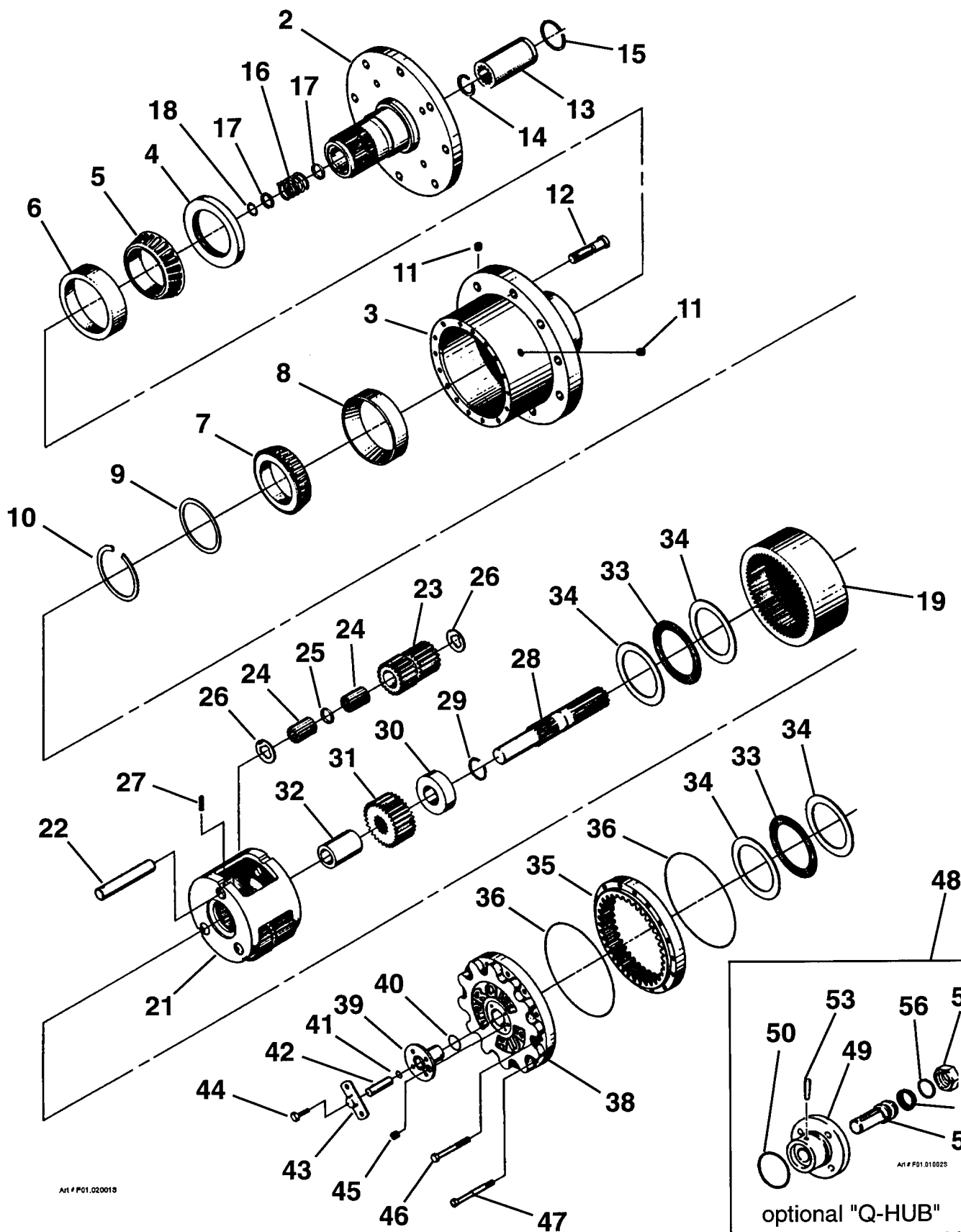
TITLE TORQUE HUB (54:1) (PLATE 1 OF 2)

PLATE NO. F01.07

SIMON AERIALS INC.

REV. 07 JUN., 1994

PART NO. 02-010500



TITLE

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

SIMON AERIALS INC.

REV. 07 JUN., 1994

PART
NO.

02-010500

PLATE
NO.

F01.07

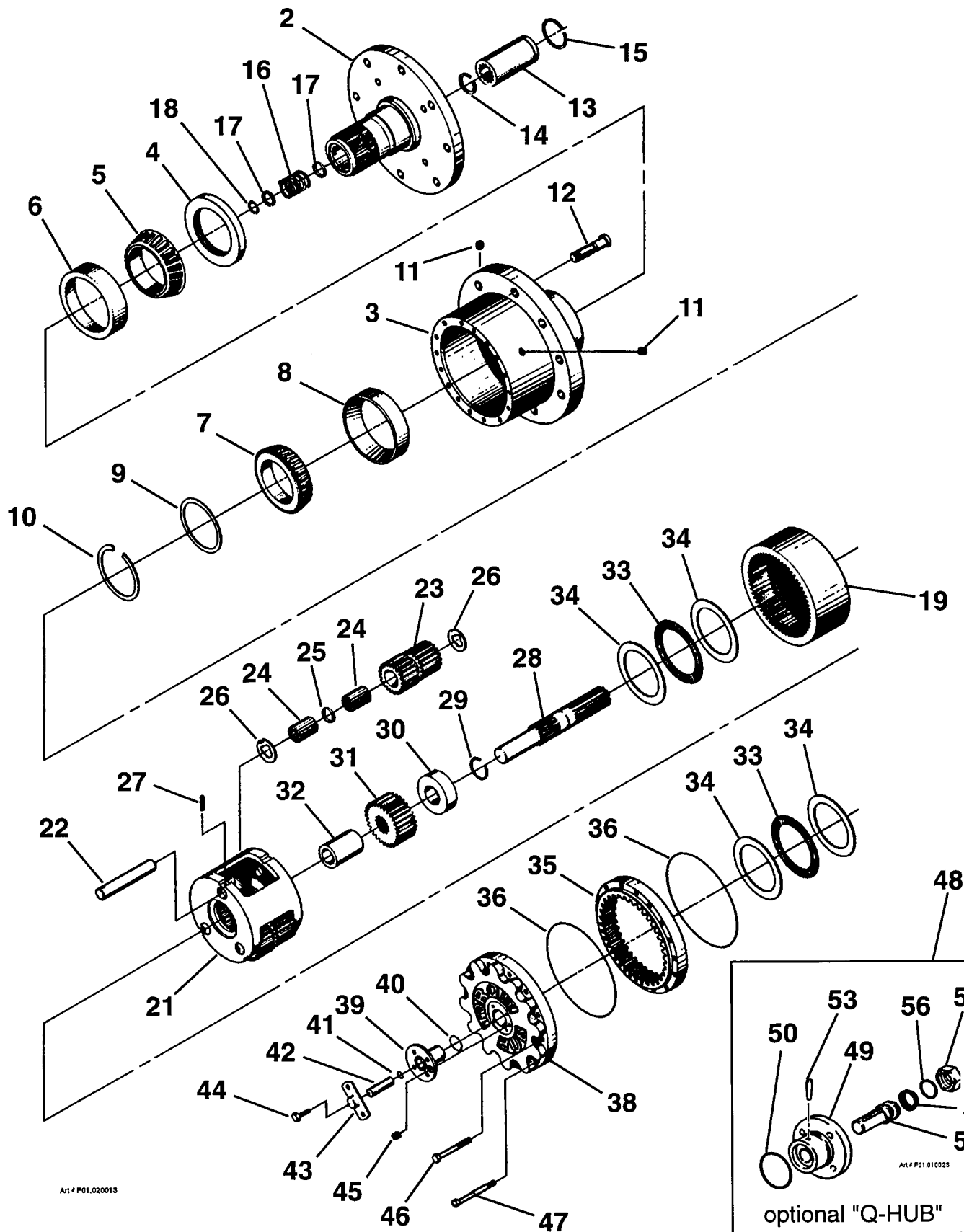
PARTS LIST

[illegible]

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

PLATE NO.	F01.07	SIMON AERIALS INC.	REV. 07 JUN., 1994	PART NO.	02-010500
-----------	--------	--------------------	--------------------	----------	-----------

PART NO.	02-010500
----------	-----------



Art # F01.020015

Art # F01.010025

optional "Q-HUB"
Quick disconnect kit

TITLE

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

SIMON AERIALS INC.

REV. 07 JUN., 1994

PART
NO.

02-010500

PLATE
NO.

F01.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-006100		SWING REDUCER ASSEMBLY (Identified on nameplate as "D105-00029-1" or "D105-00036-1")	
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
31			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

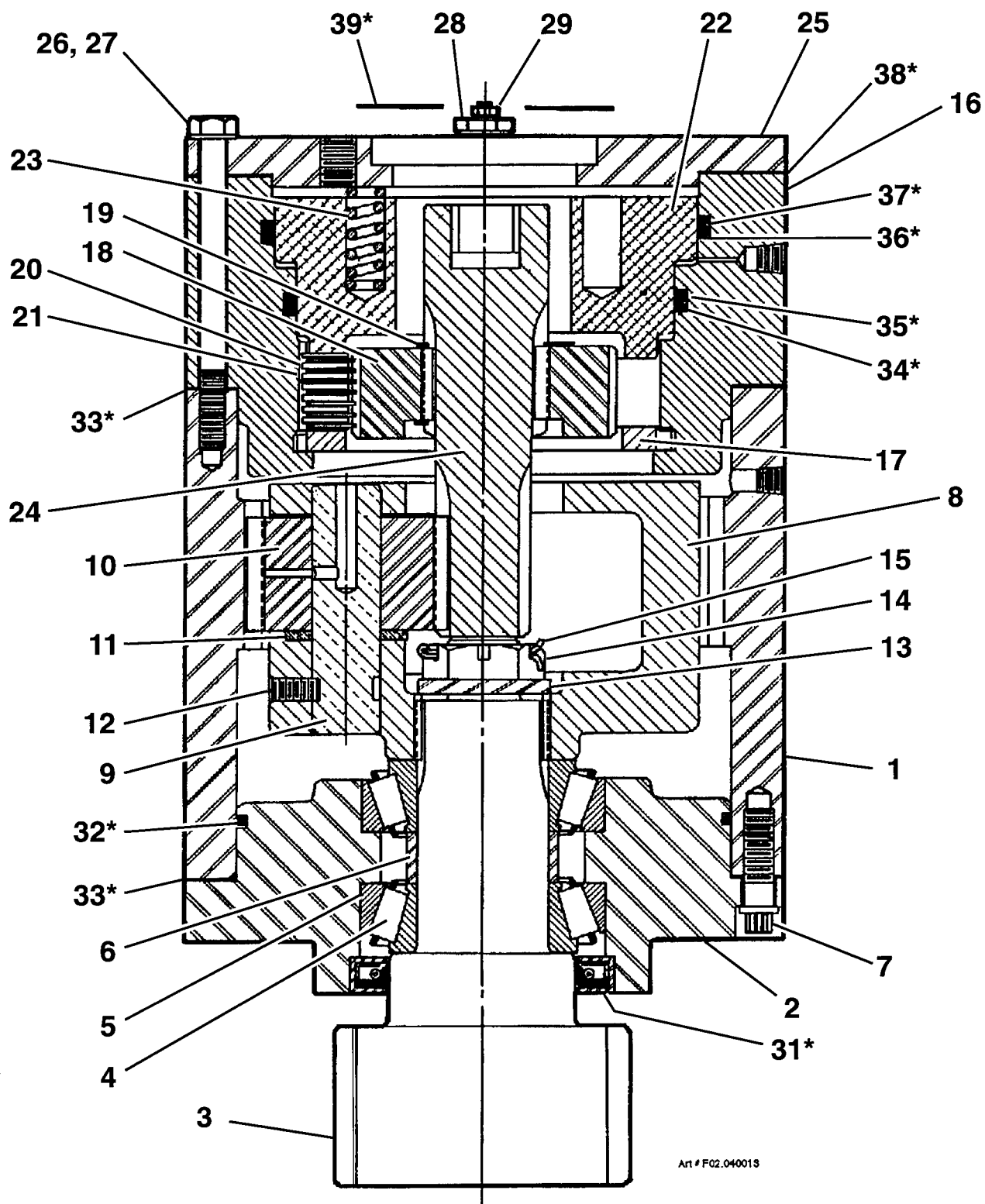
TITLE SWING REDUCER ASSEMBLY

PLATE NO. F02.04

SIMON AERIALS INC.

REV. 26 AUG., 1994

PART NO. 02-006100



Art # F02.040013

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			HOUSING, SWING REDUCER	1
2	02-000702		SHAFT, WORM	1
3	02-000423		CONE AND ROLLER, INPUT BEARING (1-5/8" [41mm] bore)	1
4	02-000402		CUP, INPUT BEARING (3-1/4" [83 mm] O.D.)	1
5	02-000406		RETAINER, INPUT BEARING	1
6			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2", Grade 5)	4
7			WASHER, LOCK (7/16")	4
8	02-000421		CONE AND ROLLER, BEARING (1" [25 mm] bore)	1
9	02-000434		CUP, BEARING (2-9/16" [65 mm] O.D.)	1
10	02-000433		RETAINER, BEARING	1
11			CAP SCREW, HEX HEAD (7/16"-14, Grade 5)	4
12			WASHER, LOCK (7/16")	4
13	02-000701		SHAFT, OUTPUT	1
14	02-000418		GEAR, WORM	1
15	02-000444		KEY (3/8" [9.5 mm] square)	2
16	02-000407		RING, THRUST	2
17	02-000408		SPACER	1
18	02-000427		BEARING, ROLLER (1-1/2" [38 mm] I.D.)	1
19	02-000703		COVER, SWING REDUCER	1
20	02-000428		BEARING, ROLLER (2" [51 mm] I.D.)	2
21			SET SCREW	1
22	02-000461		CAP SCREW (7/16"-14 x 1")	6
23	02-000460		SEAL KIT, SWING REDUCER	1
24	02-000409		GASKET, BEARING RETAINER (1/64" [0.4 mm]) (4 in kit)	A.R.
25	02-000410		GASKET, BEARING RETAINER (1/32" [0.8 mm]) (4 in kit)	A.R.
26	02-000413		GASKET, MOTOR MOUNTING	1
27	02-000431		SEAL, WORM SHAFT (1" [25 mm] I.D.)	1
28	02-000429		"O"-RING, BEARING RETAINER	1
29	02-000432		SEAL, OUTPUT SHAFT (2" [51 mm] I.D.)	1
30	02-000430		"O"-RING, COVER	1
31	02-000411		GASKET, COVER (1/64" [0.4 mm] red fiber) (2 in kit)	A.R.
32	02-000412		GASKET, COVER (1/32" [0.8 mm] red fiber) (2 in kit)	A.R.
33	02-000414		PLUG, EXPANSION (drilled for grease fitting)	1
34	08-053100		FITTING, GREASE (1/4"-28, straight)	1
35			BRACKET	2
36			CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	4
37			WASHER, LOCK (7/16")	4
38			PLUG, PIPE (1/2"-14 NPT)	1
39			BUSHING, REDUCER	1
40	02-000439		PLUG, VENT (1/8" NPT)	1

TITLE

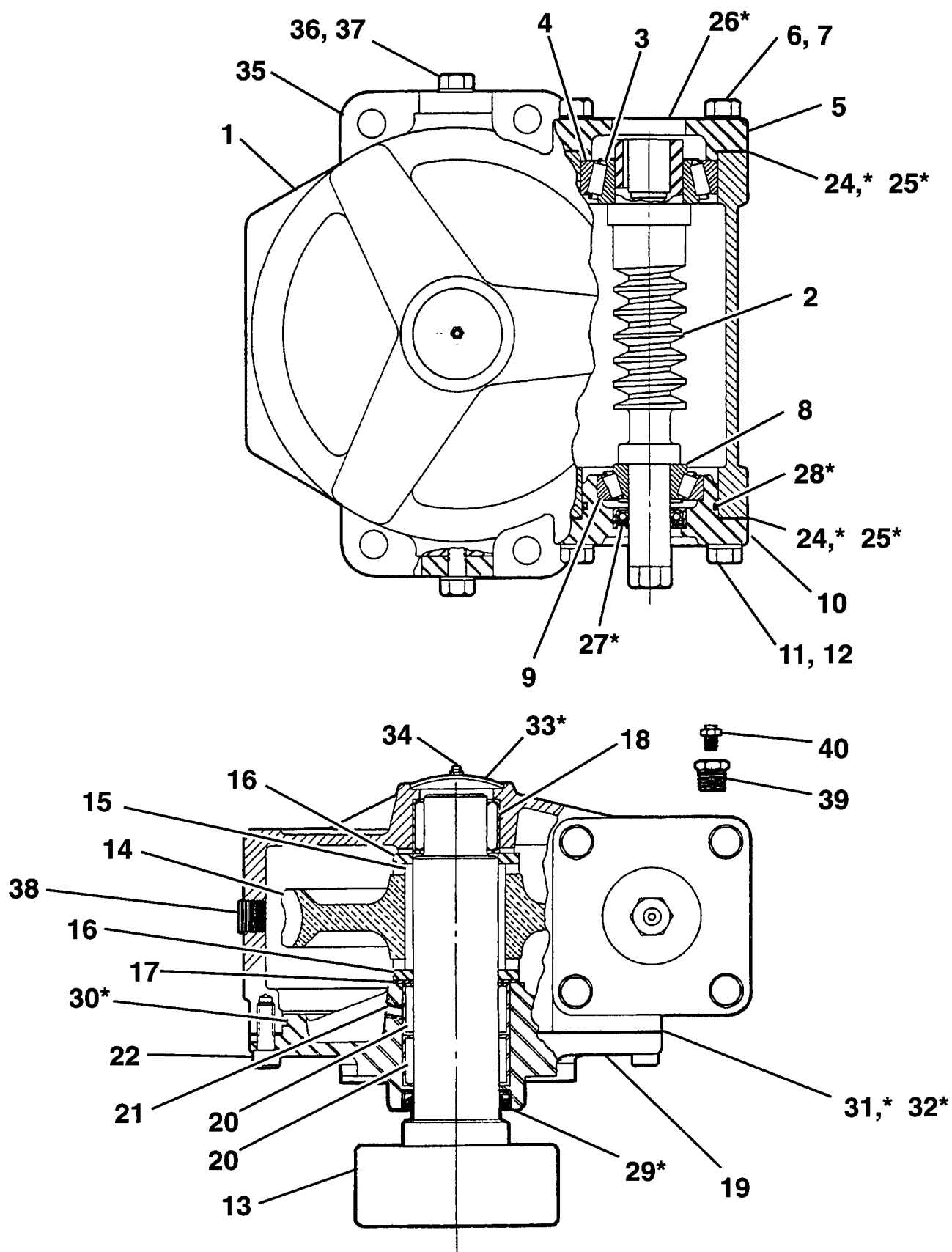
SWING REDUCER ASSEMBLY

PLATE NO. F02.05

SIMON AERIALS INC.

REV. 26 AUG., 1994

PART NO. 02-000700



TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 26 AUG., 1994

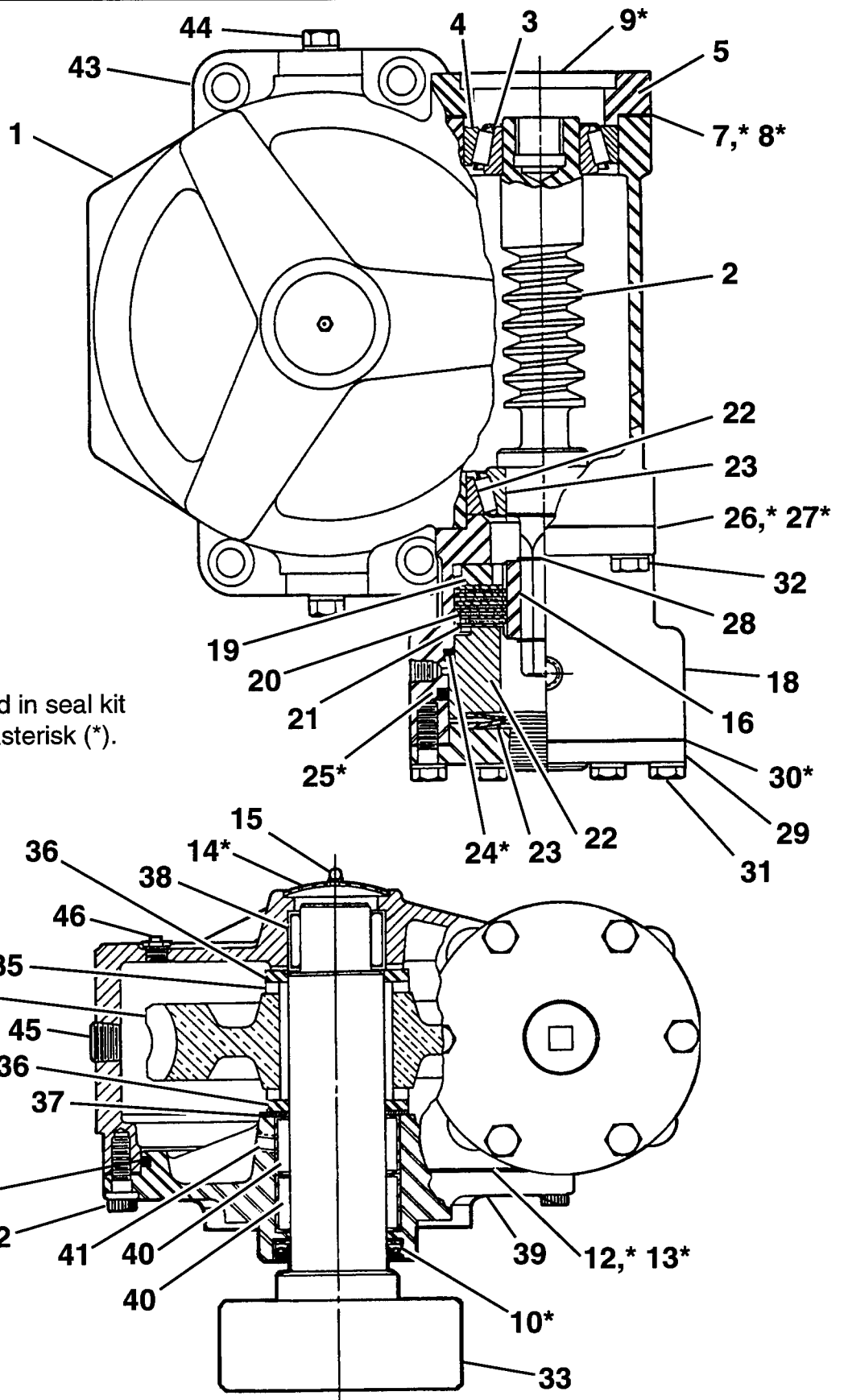
PART
NO.

02-000700

PLATE
NO.

F02.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-000423		HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3			CONE AND ROLLER, BEARING (1-5/8" [41 mm] bore)	2
4			CUP, BEARING	2
5	02-000406		RETAINER, INPUT BEARING	1
6	02-005201		SEAL KIT, SWING REDUCER	
			(Some items in seal kit are installed on the brake. Items in kit are indicated by asterisks [*])	1
7	02-000409	*	GASKET, BEARING RETAINER (1/64" [0.4 mm])	1
8	02-000410	*	GASKET, BEARING RETAINER (1/32" [0.8 mm])	1
9		*	GASKET, MOTOR MOUNTING	1
10	02-000432	*	SEAL, OUTPUT SHAFT	1
11	02-000430	*	"O"-RING, COVER	1
12	02-000411	*	GASKET, COVER (1/64" [0.4 mm] red fiber)	A.R.
13	02-000412	*	GASKET, COVER (1/32" [0.8 mm] red fiber)	A.R.
14		*	PLUG, EXPANSION	1
15			FITTING, GREASE	1
16			DRIVER, BRAKE	1
17			BRAKE ASSEMBLY (For reference only. Brake is not available as an assembly.)	1
18			HOUSING, BRAKE	1
19			SPACER, BRAKE	1
20			PLATE, DRIVER	5
21			DISC, BRAKE	6
22			PISTON	1
23			SPRING	2
24		*	"O"-RING	1
25		*	"O"-RING	1
26	02-000409	*	GASKET, BRAKE HOUSING (1/64" [0.4 mm])	1
27	02-000410	*	GASKET, BRAKE HOUSING (1/32" [0.8 mm])	1
28			RING, SNAP	2
29			COVER, BRAKE	1
30		*	GASKET, BRAKE COVER (1/32" [0.8 mm])	1
31			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4")	6
32			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2")	4
TITLE SWING REDUCER (PLATE 1 OF 2)				
PLATE NO.	F02.07	SIMON AERIALS INC.		PART NO. 02-005200
REV. 25 AUG., 1994				



Note: Items included in seal kit (item 6) marked by asterisk (*).

TITLE

SWING REDUCER (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 25 AUG., 1994

PART
NO.

02-005200

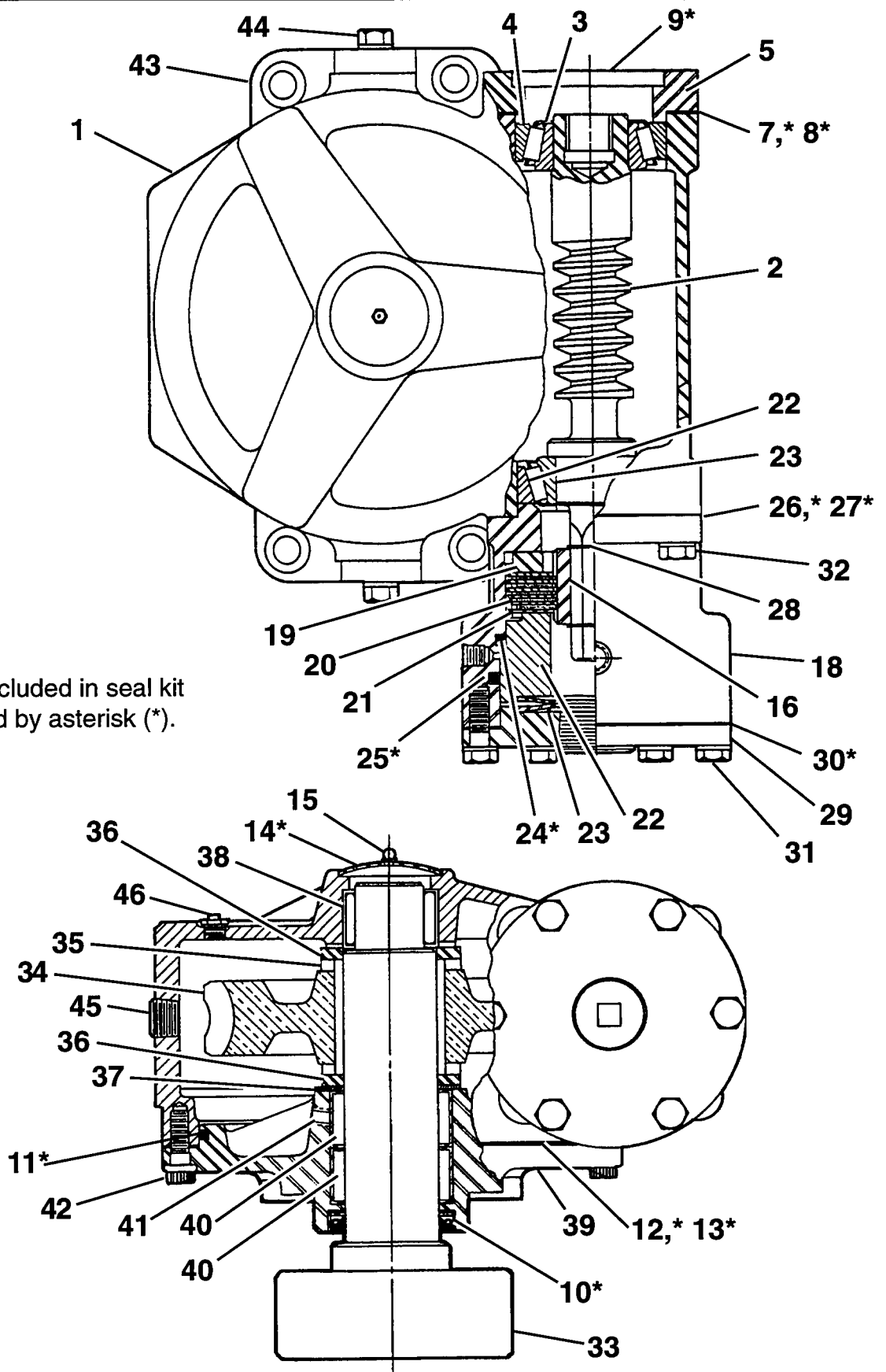
PLATE
NO.

F02.07

[illegible]

PLATE NO.	F02.07	SIMON AERIALS INC.
-----------	--------	--------------------

PART NO. 02-005200



Note: Items included in seal kit (item 6) marked by asterisk (*).

TITLE

SWING REDUCER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 25 AUG., 1994

PART
NO.

02-005200

PLATE
NO.

F02.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-000423		HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3			CONE AND ROLLER, BEARING (1-5/8" [41 mm] bore)	2
4	02-000421		CUP, BEARING	2
5			RETAINER, INPUT BEARING	1
6			CONE AND ROLLER, BEARING (1" [25 mm] bore)	2
7	02-009101		CUP, BEARING	2
8			SEAL KIT, SWING REDUCER (Some items in seal kit are also part of brake assembly. Items in kit indicated by asterisks [*])	1
9	02-000409	*	GASKET, BEARING RETAINER [1/64" (0.4 mm)]	1
10	02-000410	*	GASKET, BEARING RETAINER [1/32" (0.8 mm)]	1
11	02-000430	*	GASKET, MOTOR MOUNTING	1
12		*	SEAL, OUTPUT SHAFT	1
13		*	"O"-RING, COVER	1
14	02-000411	*	GASKET, COVER (1/64" [0.4 mm] red fiber)	A.R.
15	02-000412	*	GASKET, COVER (1/32" [0.8 mm] red fiber)	A.R.
16	02-000414	*	PLUG, EXPANSION (drilled for grease fitting)	1
17	02-009110		FITTING, GREASE	1
18			DRIVER, BRAKE	1
19			BRAKE ASSEMBLY	1
20	02-000429	*	HOUSING, BRAKE	1
21			"O"-RING, BRAKE HOUSING	1
22			SPACER, BRAKE	1
23	02-005104		PLATE, DRIVER	5
24	02-005103		DISC, BRAKE	6
25	02-009107		PISTON	1
26	02-009109	*	SPRING	2
27	02-009140		"O"-RING	1
28	02-009141		"O"-RING	1
29	02-000409	*	GASKET, BRAKE COVER [1/32" (0.8 mm)]	1
30		*	GASKET, BRAKE HOUSING (1/64" [0.4 mm])	1
31		*	GASKET, BRAKE HOUSING [1/32" (0.8 mm)]	1
32			SPACER, BRAKE DRIVER	1
33			RING, SNAP	2
34			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2" long)	4
35			COVER, BRAKE	1
36			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4" long)	6

TITLE

SWING REDUCER (PLATE 1 OF 2)

PLATE NO.

F02.09

SIMON AERIALS INC.

REV. 25 AUG., 1994

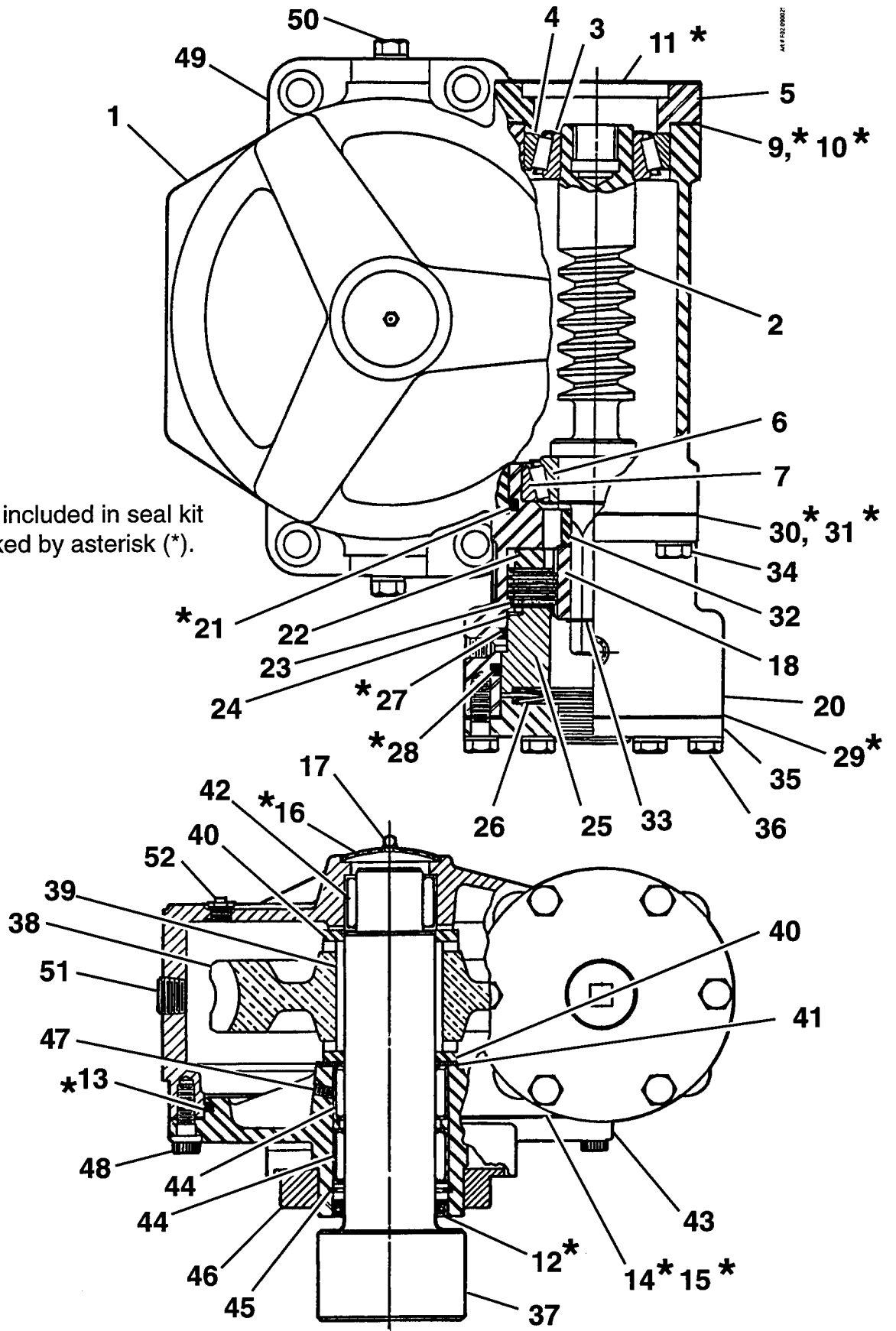
PART NO.

02-009100

Top view

Note: Items included in seal kit (item 8) marked by asterisk (*).

Side view



TITLE

SWING REDUCER (PLATE 1 OF 2)

AC # F02.000015

SIMON AERIALS INC.

REV. 25 AUG., 1994

PART
NO.

02-009100

PLATE
NO.

F02.09

[illegible]

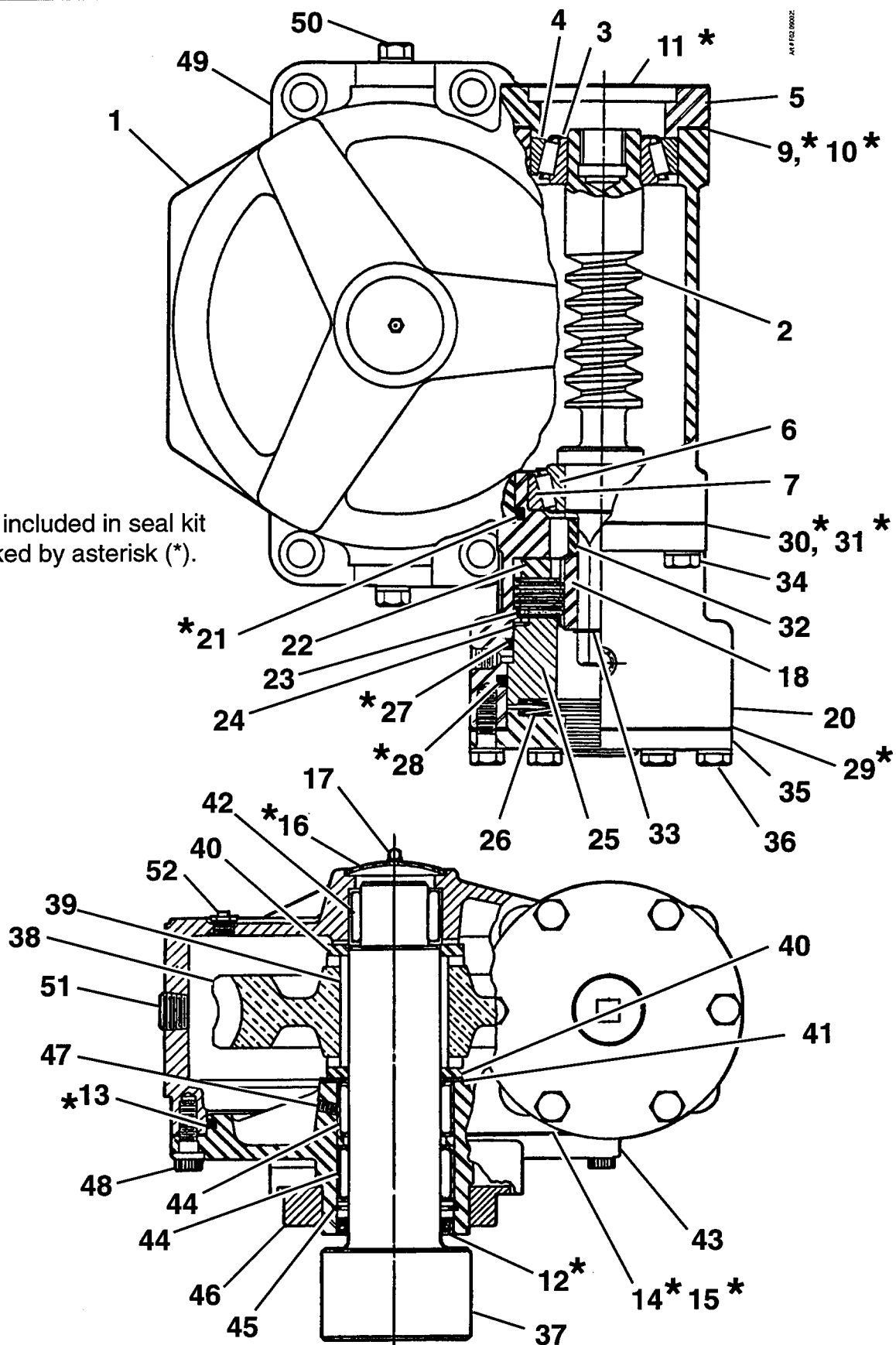
SWING REDUCER (PLATE 2 OF 2)

02-009100

Top view

Note: Items included in seal kit (item 8) marked by asterisk (*).

Side view



TITLE

SWING REDUCER (PLATE 2 OF 2)

Alt # F02.00015

SIMON AERIALS INC.

REV. 25 AUG., 1994

PART
NO.

02-009100

PLATE
NO.

F02.09

PARTS LIST

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

TITLE

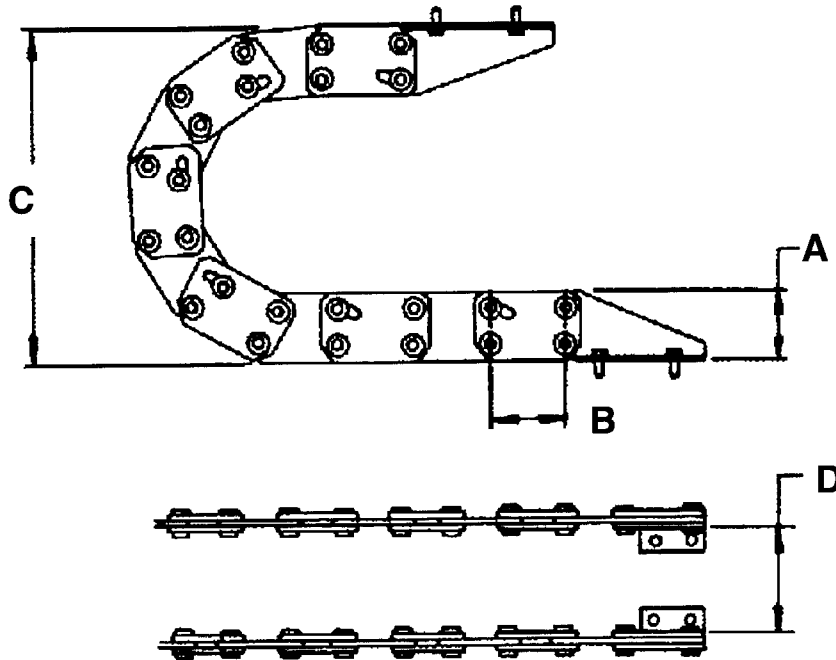
HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

PLATE NO. F03 ALL

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



GEMCO

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

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

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

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

TITLE

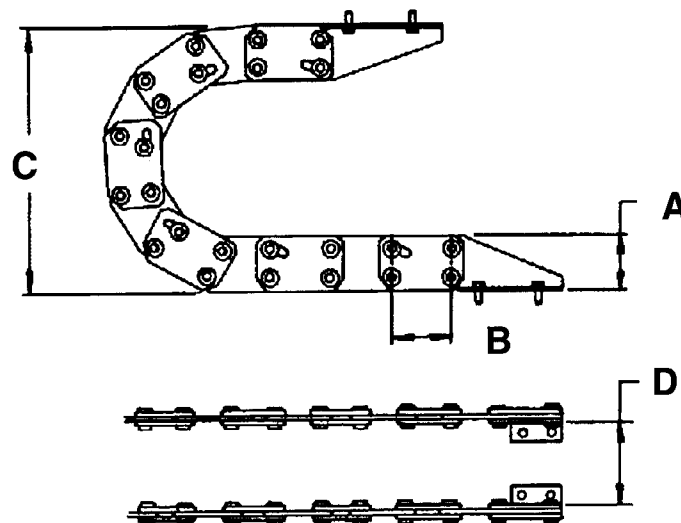
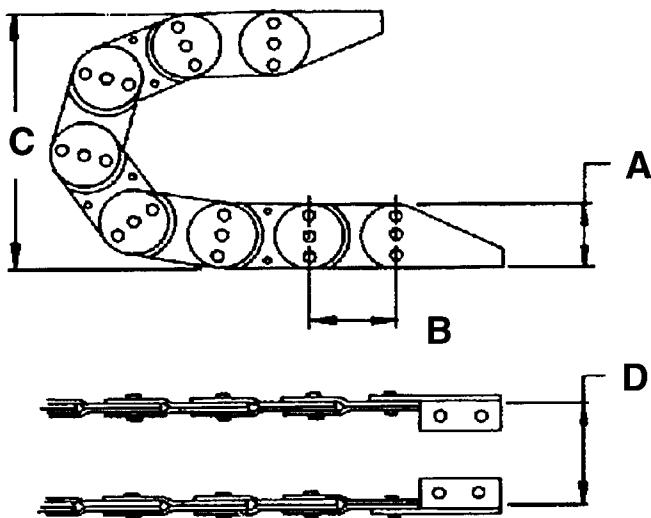
HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

PLATE NO. **F03 ALL**

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.



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

GLEASON

A AND A

TYPE	LINK CONSTRUCTION	TYPE	LINK CONSTRUCTION
25			
35			
45			

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25E, 35E, 45E Hose Track:									
-----	08-072600	35E	2-3/4"	3-3/4"	13-1/8"	6"	29	MP 40 Full Hyd. Trailblazer 40	
-----	08-072602	35E	2-3/4"	3-3/4"	13-1/8"	6"	---		3' section, style 35E
-----	08-072700	35E	2-3/4"	3-3/4"	13-1/8"	6"	55	MP 60, MPN 60, and MP 60 Z Full Hydraulic for Field Service	Pushnut (single type)
-----	08-072701	35E	---	---	---	---	---		
-----	08-072800	45E	3-3/4"	5"	15-1/8"	6"	61	MP 80 All	Pushnut (single type)
-----	08-072801	45E	---	---	---	---	---	for Field Service	
-----	08-072802	45E	3-3/4"	5"	15-1/8"	6"	---		3' section, style 45E
-----	08-072900	35E	2-3/4"	3-3/4"	13-1/8"	6"	58	Trailblazer 60	Mounting one end
-----	08-073000	35E	2-3/4"	3-3/4"	13-1/8"	6"	32	MPH 42 Full Hyd.	
-----	08-073100	35E	2-3/4"	3-3/4"	13-1/8"	6"	35	MPN 40 Full Hyd. (with 3 Pc. Boom)	
-----	08-073200	35E	2-3/4"	3-3/4"	13-1/8"	6"	39	MP 50 Full Hyd.	
-----	08-073300	45E	3-3/4"	5"	15-1/8"	6"	45	MPH 60 Full Hyd.	
-----	08-073400	45E	3-3/4"	5"	15-1/8"	6"	54	MP 70 Hydraport	
-----	08-073500	45E	3-3/4"	5"	15-1/8"	6"	59	MP 70 Full Hyd.	
-----	08-073600	45E	3-3/4"	5"	15-1/8"	6"	64	MP 70 Hydraport	
-----	08-073700	45E	3-3/4"	5"	15-1/8"	6"	69	MPH 80 Full Hyd.	
-----	08-073800	45E	3-3/4"	5"	15-1/8"	6"	69	MPH 80 Hydraport	
-----	08-076700	25E	1-3/4"	2-1/2"	13-1/8"	4"	44	MP 40 Hydraport or Electro-Prop.	All without Keel Boom
-----	08-076800	25E	1-3/4"	2-1/2"	13-1/8"	4"	54	MP 50 Hydraport or Electro-Prop.	
-----	08-076900	25E	1-3/4"	2-1/2"	13-1/8"	4"	81	MP 60, MPN 60, and MP 60 Z Hydraport or Electro-Prop.	
-----	Call Simon	25E	---	---	---	---	---	for Field Service	
-----	Call Simon	25E	1-3/4"	2-1/2"	13-1/8"	4"	---		
-----	08-077000	45E	3-3/4"	5"	15-1/8"	6"	39	MP 110 (Outer)	
-----	08-077200	45E	3-3/4"	5"	26-1/8"	4"	39	MP 110 (Outer)	
-----	08-077300	45E	3-3/4"	5"	15-1/8"	4"	64	MP 110 (Inner)	

TITLE

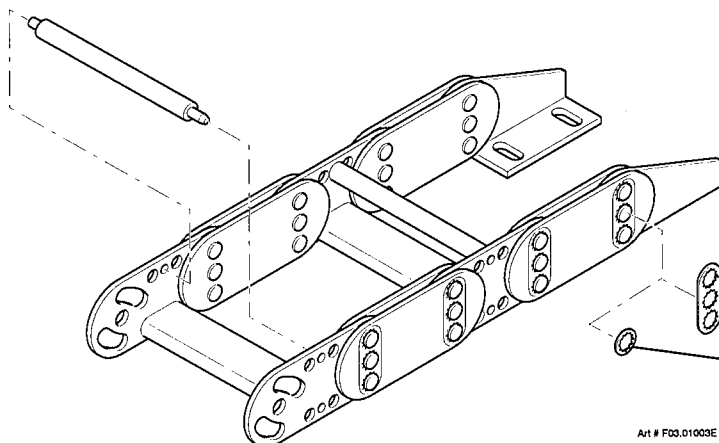
HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

PLATE NO. **F03 ALL**

SIMON AERIALS INC.

REV. 26 AUG., 1994
THIS SHEET ONLY

PART NO.

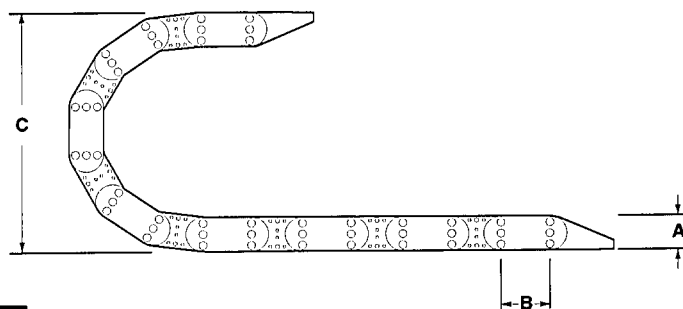


Triple Pushnut used for factory installation only.

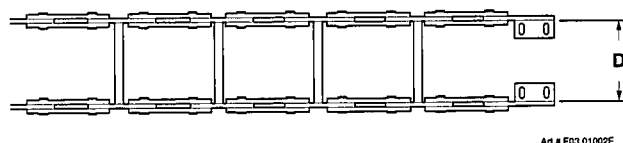
Single Pushnut is available for service. See chart.

Art # F03.01003E

GLEASON



TYPE	LINK CONSTRUCTION
35E	
45E	



Art # F03.01002E

NOTE:

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

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

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

TITLE

HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1994

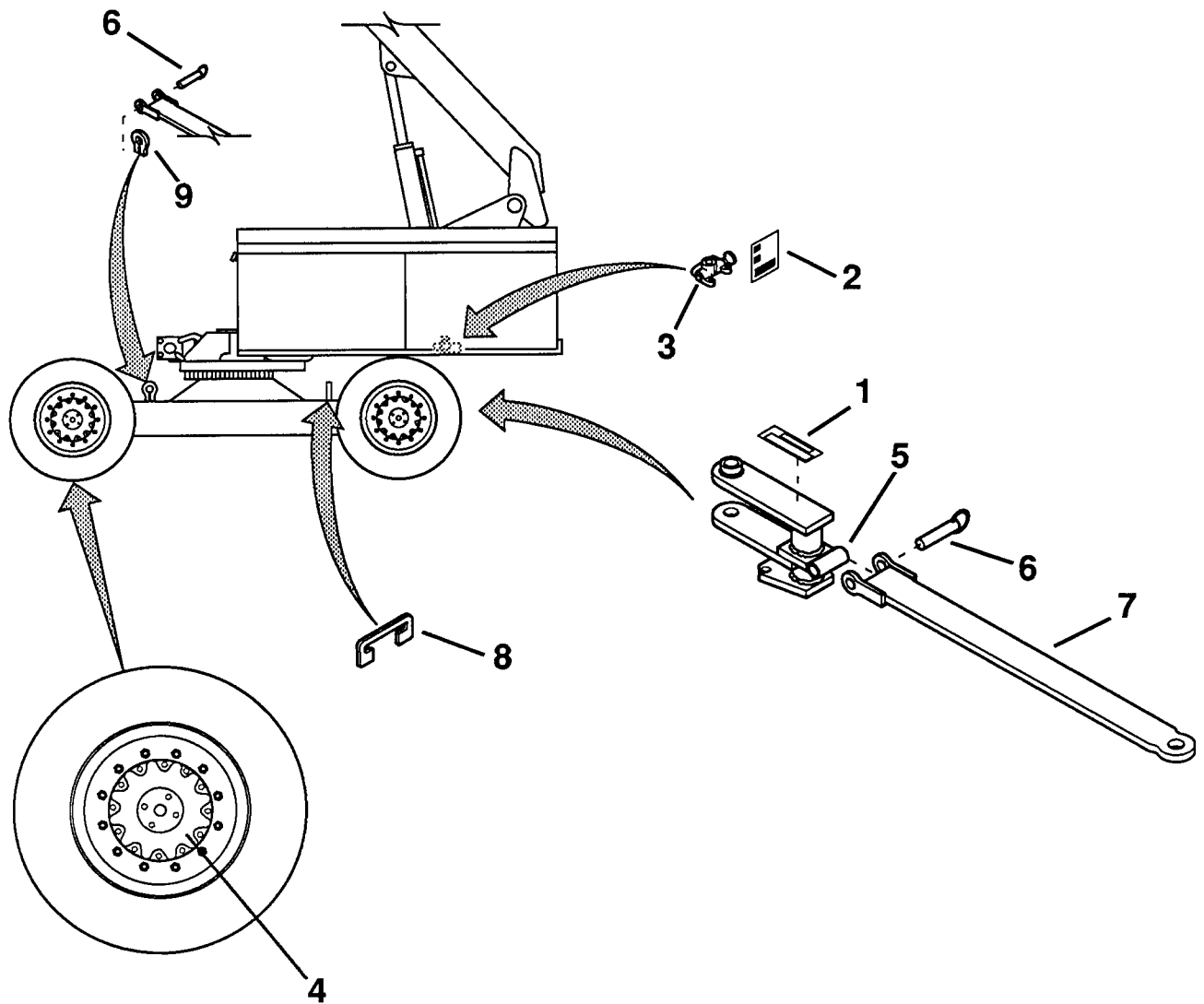
PART
NO.

PLATE
NO. **F03 ALL**

[illegible]

TOWING EQUIPMENT (OPTIONAL)

PART NO. 3519960



TITLE

TOWING EQUIPMENT (OPTIONAL)

SIMON AERIALS INC.

ORIGIN 07/12/90

PART
NO.

3519960

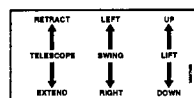
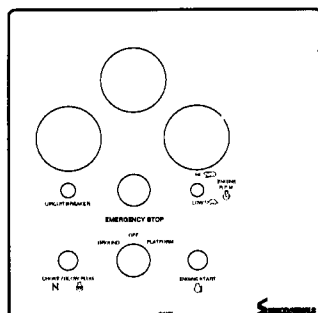
PLATE
NO.

F05.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, MP (Not available. Order decals individually.)	1
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	213 2070		DECAL, "DANGER" (Axle extend instructions)	1
6	10-013100		DECAL, "WARNING" (current version will be supplied) ("Tipover may occur . . . ") (current version) ("To assure full axle extension . . . ") (obsolete version)	2
7	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with liquid cooled engine)	1
8	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with liquid cooled engine)	1
9	10-025400		DECAL, ENGINE MAINTENANCE (decals are marked "F3-6L912" and "2973582") (used with Deutz 912 engine)	1
10	213 2080		DECAL, "STEER OR AXLE FUNCTION . . ."	1
11	10-135100		DECAL, "FOR LUBRICATION OF SWING BEARING . . ." (with optional oil bath swing bearing)	1
12	10-117900 10-151100		PLACARD, FUEL "GASOLINE ONLY" (Black type on white) "DIESEL FUEL ONLY" (Black type on white)	1
13	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
14	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
15			DECAL, GROUND CONTROL VALVES	1
	10-087400		With "Full Hydraulic" controls.	
	10-158600		With "Electro-Proportional" controls.	
16	10-016400		PLACARD, REMOTE CONTROL PENDANT (Pendant has 5 toggle switches on front, 2 buttons on side. Modify to remove "High/ Low speed" switch hole at top)	1
17	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
18	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	2
TITLE DECALS, MPH 80, MP 95 (PLATE 1 OF 3)				
PLATE NO.	F99.09	SIMON AERIALS INC.		PART NO.
		REV. 17 FEB., 1995		

⚠ DANGER THESE HAZARDS WILL RESULT IN DEATH OR SERIOUS INJURY		
TIP OVER • Do not operate on uneven ground. • Do not operate on slopes greater than 15 degrees. • Do not operate on wet, icy, or slippery surfaces. • Do not operate on soft or unstable ground. • Do not operate on surfaces that are not rated for the machine's weight. • Do not operate on surfaces that are not rated for the machine's width.	SAFE OPERATING PROCEDURES • Always use proper lifting techniques. • Always use proper lowering techniques. • Always use proper travel techniques. • Always use proper steering techniques. • Always use proper boom extension/retraction techniques. • Always use proper platform rotation techniques. • Always use proper platform tilting techniques.	EXPLOSION • Do not operate near flammable liquids, gases, or vapors. • Do not operate near open flames or sparks. • Do not operate near electrical equipment. • Do not operate near power lines. • Do not operate near other machinery or equipment. • Do not operate near people or animals. • Do not operate near structures or obstacles.
INADEQUATE MAINTENANCE • Do not operate if the machine is not properly maintained. • Do not operate if the machine is not properly inspected. • Do not operate if the machine is not properly repaired. • Do not operate if the machine is not properly stored.	INADEQUATE TRAINING • Do not operate if the operator is not properly trained. • Do not operate if the operator is not properly certified. • Do not operate if the operator is not properly supervised.	INADEQUATE INSPECTION • Do not operate if the machine is not properly inspected. • Do not operate if the machine is not properly maintained. • Do not operate if the machine is not properly repaired. • Do not operate if the machine is not properly stored.
SEE OPERATOR MANUAL FOR FURTHER INSTRUCTIONS		

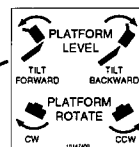
ENSURE LOCKPIN IS DISENGAGED BEFORE OPERATING SWING FUNCTION
10007200



OPEN HYDRAULIC TANK VALVES BEFORE STARTING ENGINE
10010000

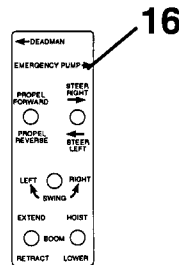
FOR PROPER OPERATION - SET FUEL SELECT CONTROL CABLE ON ENGINE - PULL OUT FOR GAS / PUSH IN FOR PROPANE
10177700

IN SWITCHING FROM GAS TO L.P.G. FIRST CLEAN OUT THE FUEL BY RUNNING THE ENGINE WITH THE TOGGLE SWITCH IN THE OFF POSITION
20177700

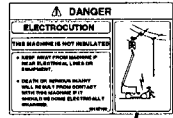


19, 20
PLATFORM CAPACITY
500 LBS. (225 kg)
10142200

simon

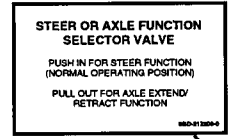
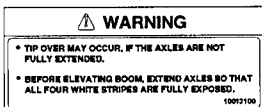
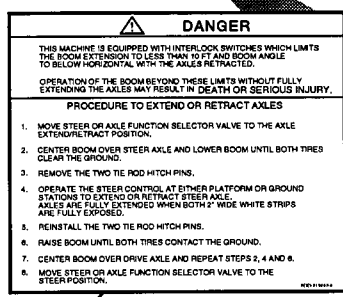


GASOLINE ONLY
10117700



FOR LIMITATION OF WHITE STRIPES, ADD ONLY CLEAN, FRESH WHITE OIL TO PROPER LEVEL. DO NOT OVERFILL.
10007200

34 **MP 95**



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

TITLE

DECALS, MPH 80, MP 95 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1995

PART NO.

PLATE NO. F99.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19			DECAL, PLATFORM CAPACITY (4-1/2" [114 mm] wide, black letters on white background) (2 used on earlier versions, 4 on later versions)	A.R.
	10-148300		"Platform capacity 500 Lbs (225 Kg)"	
	10-149400		"Platform capacity 800 Lbs (360 Kg)"	
20			DECAL, PLATFORM CAPACITY (18-1/4" [464 mm] wide, black cutout letters) (Was used on some earlier versions)	1
	10-145300		"Platform capacity 500 Lbs (225 Kg)"	
	10-149900		"Platform capacity 800 Lbs (360 Kg)"	
21	10-012900		DECAL, "FORWARD" WITH ARROW	2
22	10-016800		DECAL, "GAS/ OFF/ PROPANE"	
			(for some "Dual fuel" versions)	1
23	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ."	
			(for some "Dual fuel" versions)	1
24	2157710		DECAL, "FOR PROPER OPERATION - SET FUEL . . ."	
			(for some "Dual fuel" versions)	1
25	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...")	
			(for versions with optional tow package)	1
26			PLACARD, PLATFORM CONTROL VALVES	1
			With " Electro-Proportional " controls:	
	10-157200		Standard ("Oil pressure/ Overheat" indicator at top left)	
	10-161800		Fiber optic controls ("Low voltage" indicator at top left)	
	10-151500		Insulated ("Low voltage" indicator at top left,	
			"Emergency stop" to right of "Off/ On/ Start" switch)	
			With " Full Hydraulic " controls:	
	10-145000	shown	Standard (Lexan)	
	10-241100		Optional (Stencil-cut aluminum)	
	10-241400		SPACER (needed with aluminum control placard)	6
			With " Hydraport " controls:	
	10-065400		Black lettering on White. Two control levers.	
	10-225000		White lettering on Black. Three control levers.	

TITLE

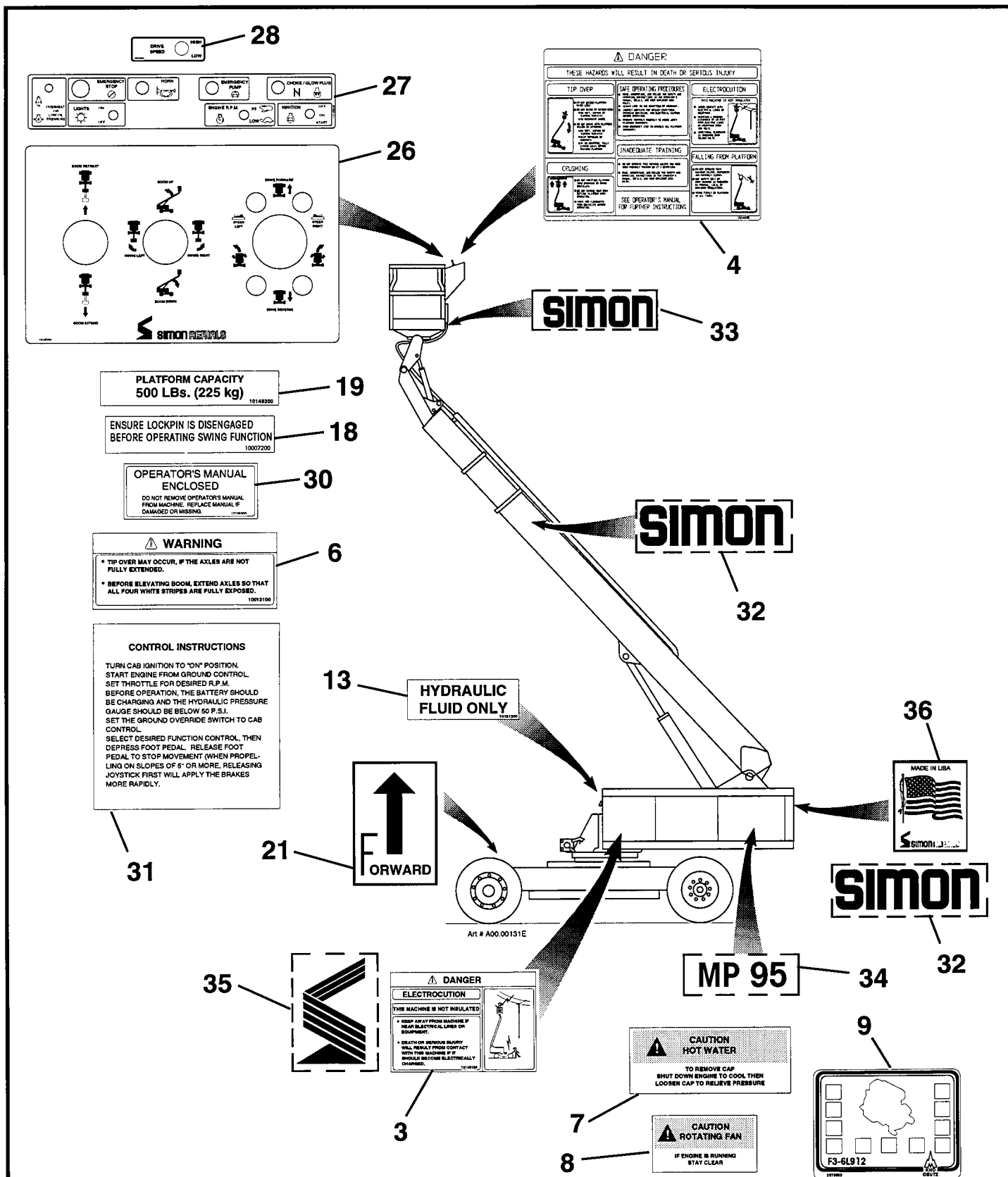
DECALS, MPH 80, MP 95 (PLATE 2 OF 3)

PLATE NO. **F99.09**

SIMON AERIALS INC.

REV. 17 FEB., 1995

PART NO.



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

TITLE DECALS, MPH 80, MP 95 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 17 FEB., 1995

PART NO.

PLATE NO. F99.09

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	10-222300		DECAL, PLATFORM ELECTRICAL CONTROLS With " Full Hydraulic " controls Yellow background around Emergency stop button	1
	10-145900		Red background around Emergency stop button	
28	10-224800		DECAL, "DRIVE SPEED . . ." (with optional 2 speed drive)	1
29			PLACARD, PLATFORM LEVEL AND ROTATE CONTROLS	1
	10-147400	shown	Standard (Lexan)	
	10-241200		Optional (Stencil-cut aluminum)	
	10-241400		SPACER (needed with aluminum control placard)	4
30	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
31	10-012000		DECAL, "CONTROL INSTRUCTIONS . . ." (with " Hydraport " controls)	1
32	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
33	10-105900		DECAL, "SIMON" NAME (White, 5" [127 mm] high)	1
34	10-133500		DECAL, MODEL "MPH 80"	2
	10-132300		DECAL, MODEL "MP95"	2
35	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	2
36	10-121600		DECAL, "MADE IN U.S.A."	1
37	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed) (28 Ft [8.5 M] used here)	A.R.
38	10-126900		DECAL, STRIPE ([3] Dk Gray stripes, 2-1/8" [54 mm] wide) (Bulk item, order as needed) (14 Ft [4.3 M] used here)	A.R.
39	10-031000		"SAF STEP" (Black) (4" [102 mm] wide x 60 Ft [18.3 M] long roll)	A.R.
TITLE DECALS, MPH 80, MP 95 (PLATE 3 OF 3)				
PLATE NO.	F99.09	SIMON AERIALS INC.		PART NO.
			REV. 17 FEB., 1995	

PARTS LIST

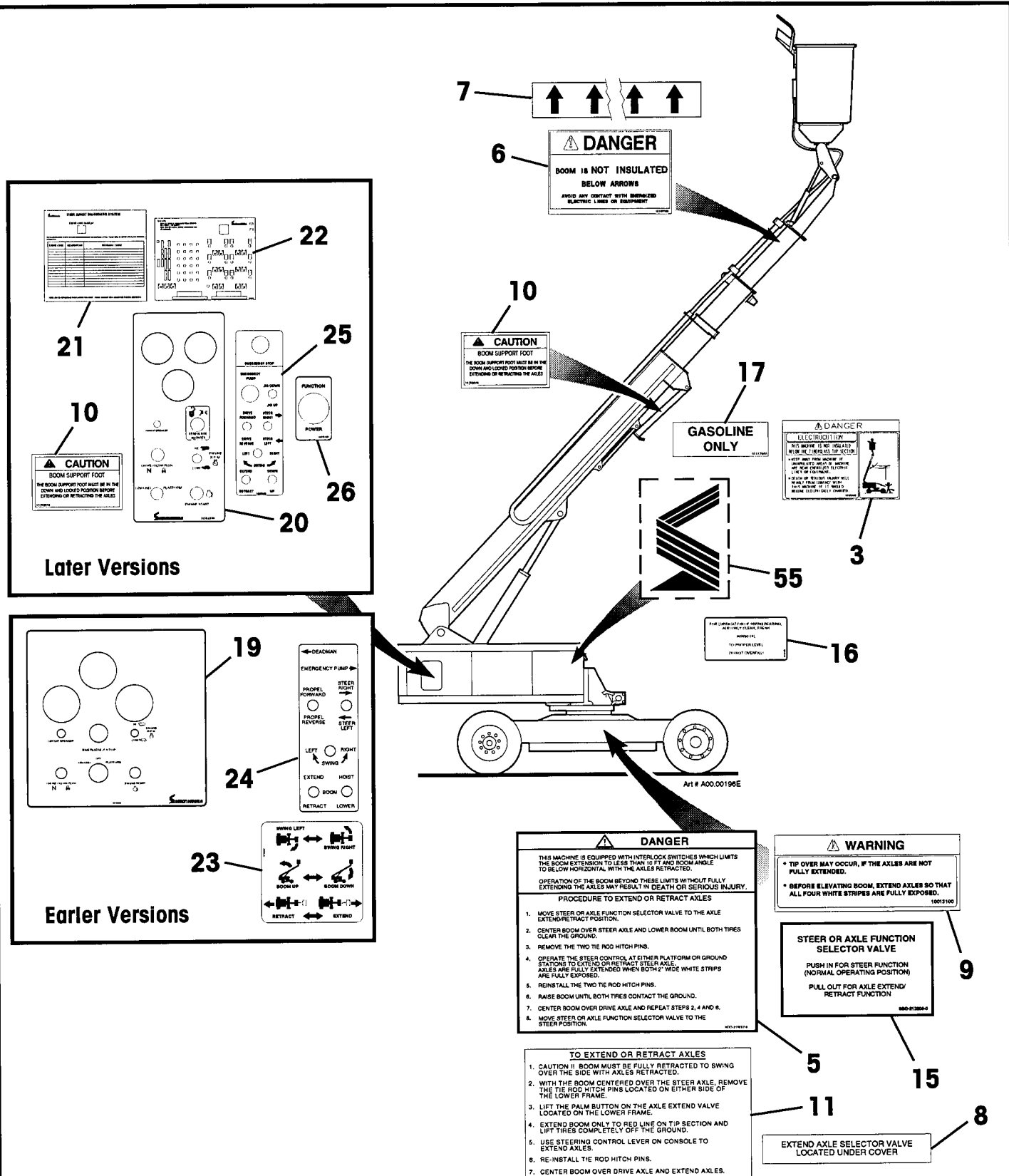
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, MP (Not available. Order decals individually.)	1
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1
3	10-165400		DECAL, "DANGER" ("Electrocution . . . not insulated below the fiberglass tip section . . .")	2
4	10-142100		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
5	213 2070		DECAL, "DANGER" (Axle extend instructions. "This machine is equipped with interlock switches . . .")	1
6	10-165500		DECAL, "DANGER" ("Boom is not insulated below arrows . . .")	1
7	10-243400		DECAL, ARROW STRIP (30" [.75 m] long, ten red arrows on yellow)	1
8	10-010100		DECAL, "EXTEND AXLE SELECTOR VALVE LOCATED UNDER COVER"	1
9	10-013100		DECAL, "WARNING" (current version will be supplied)	2
			("Tipover may occur . . .") (current version) ("To assure full axle extension . . .") (obsolete version)	
10	10-258600		DECAL, "CAUTION" ("Boom support foot . . .")	3
11	10-010100		DECAL, "TO EXTEND OR RETRACT AXLES" (Axle extend instructions. "1. Caution!! Boom must be fully retracted . . .")	1
12	10-094700		DECAL, "CAUTION, HOT WATER . . ."	
			(for versions with liquid cooled engine)	1
13	10-094900		DECAL, "CAUTION, ROTATING FAN . . ."	
			(for versions with liquid cooled engine)	1
14	10-025400		DECAL, ENGINE MAINTENANCE (decals are marked "F3-6L912" and "2973582") (used with Deutz 912 engine)	1
15	213 2080		DECAL, "STEER OR AXLE FUNCTION . . ."	1
16	10-135100		DECAL, "FOR LUBRICATION OF SWING BEARING . . ."	
			(with optional oil bath swing bearing)	1
17			PLACARD, FUEL	1
	10-117900		"GASOLINE ONLY" (Black type on white)	
	10-151100		"DIESEL FUEL ONLY" (Black type on white)	
18	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
19	10-144300		DECAL, GROUND ELECTRICAL CONTROLS (Earlier version)	1
20	10-264200		DECAL, GROUND ELECTRICAL CONTROLS (Later version)	1
21	10-268300		DECAL, "USER ASSIST DIAGNOSTIC SYSTEM . . ." (for later versions)	
			(mounts to outside of circuit board cover)	1
22	10-269200		DECAL, "WARNING" (Controller board diagram) (for later versions)	
			(mounts to inside of circuit board cover)	1
23	10-158600		DECAL, GROUND CONTROL VALVES (For earlier versions)	1

TITLE

DECALS, IMPH 80, IMP 95

SECTION **F99.** | PLATE NO. **11** | PAGE **01** | REV. **-** | DATED **11 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



Left (Control) side. See page 2 for additional Left side decals.
See page 3 for illustration of 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, IMPH 80, IMP 95

PART
NO.

REV.

DATED

11 OCT., 1996

SECTION

F99.

PLATE NO.

11

PAGE

01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
24	10-016400		PLACARD, REMOTE CONTROL PENDANT (Earlier version. Pendant has 5 toggle switches on front, 2 buttons on side. Modify to remove "High/ Low speed" switch hole at top)	1
25	10-265200		PLACARD, REMOTE CONTROL PENDANT (Later version. Pendant has 5 toggle switches and 2 buttons on front, 1 button on side. Modify to remove "High/ Low speed" switch hole at top)	1
26	10-272100		DECAL, "FUNCTION POWER" (side of later style remote pendant)	1
27	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
28	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	2
29	10-148300		DECAL, PLATFORM CAPACITY (4-1/2" [114 mm] wide, black letters on white background) (2 on earlier versions, 4 on later versions) "Platform capacity 500 Lbs (225 Kg)"	A.R.
30	10-149400		"Platform capacity 800 Lbs (360 Kg)" DECAL, PLATFORM CAPACITY (18-1/4" [464 mm] wide, black cutout letters) (Was used on some earlier versions)	1
31	10-145300 10-149900 10-012900		"Platform capacity 500 Lbs (225 Kg)" "Platform capacity 800 Lbs (360 Kg)" DECAL, "FORWARD" WITH ARROW	2
32	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for some "Dual fuel" versions)	1
33	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for some "Dual fuel" versions)	1
34	2157710		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for some "Dual fuel" versions)	1
35	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...") (for versions with optional tow package)	1
36	10-012700		DECAL, "CAUTION" ("Disengage drive mechanism . . .") (for versions with optional tow package)	1
37	10-161800 10-151500		PLACARD, PLATFORM CONTROL (earlier versions) "Emergency stop" below "Off/ On/ Start" switch "Emergency stop" to right of "Off/ On/ Start" switch	1
38	10-263800		PLACARD, PLATFORM CONTROL (later versions)	1
39	10-224800		DECAL, "DRIVE SPEED . . ." (with optional 2 speed drive)	1
40	10-147400		DECAL, PLATFORM LEVEL AND ROTATE CONTROLS (earlier versions)	1
41	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
42	10-162600		DECAL, "SAFETY BELT ATTACHING POINT"	2

TITLE

DECALS, IMPH 80, IMP 95

SECTION

F99.

PLATE NO.

11

PAGE

02

REV.

-

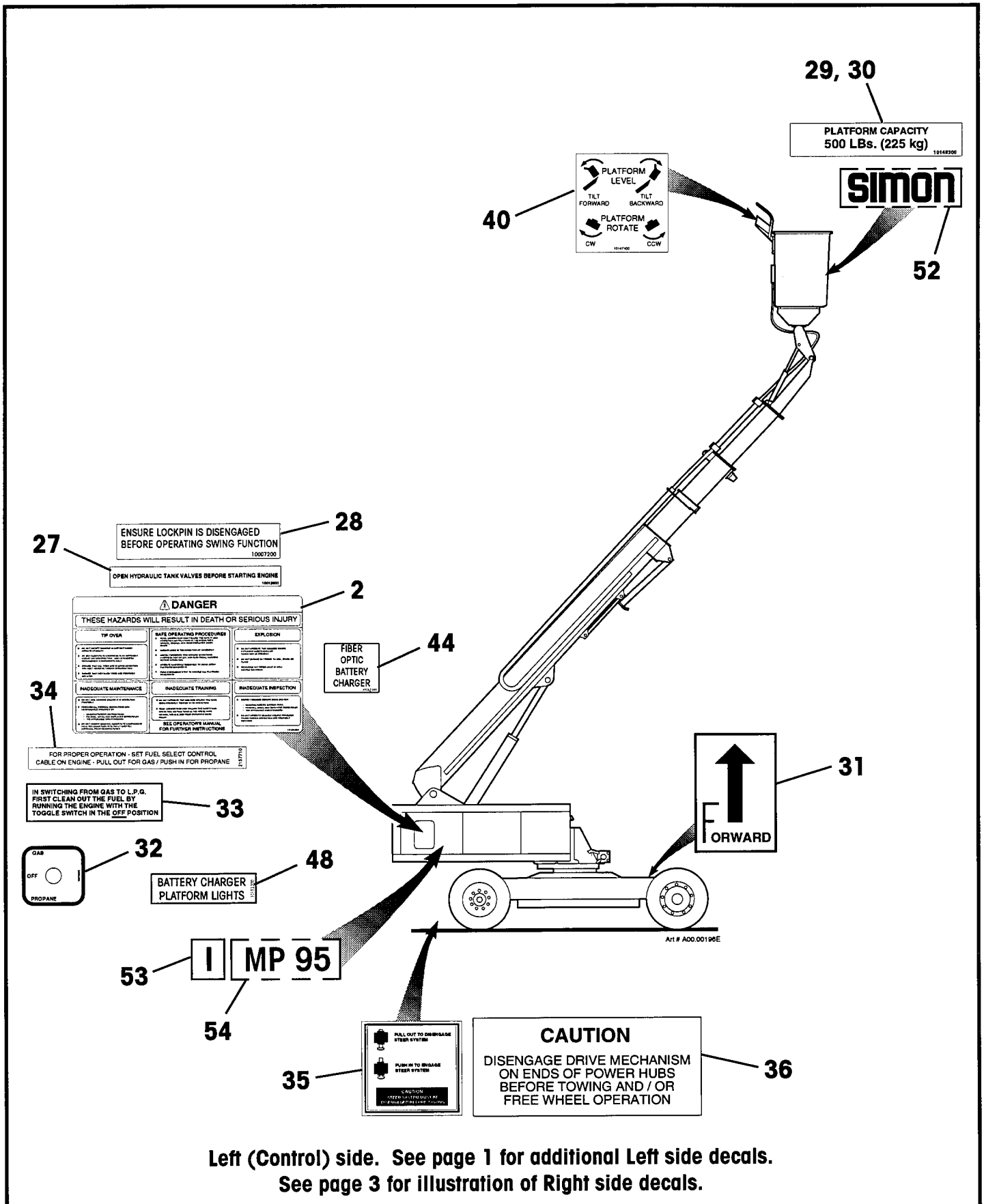
DATED

11 OCT., 1996

PART

NO.

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



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

TITLE

DECALS, IMPH 80, IMP 95

PART
NO.

REV.
-

DATED
11 OCT., 1996

SECTION

F99.

PLATE NO.

11

PAGE

02

PARTS LIST

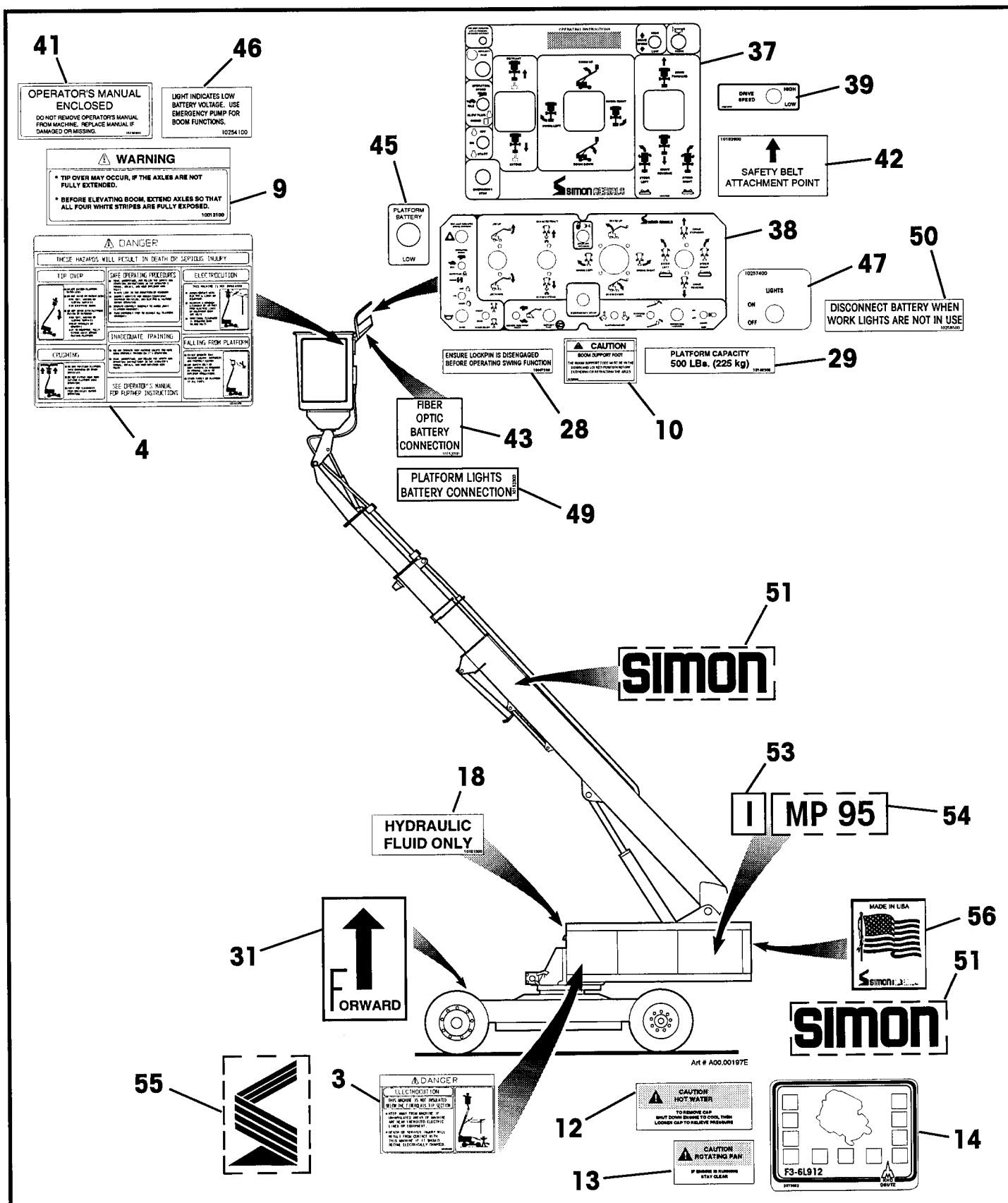
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
43	10-152000		DECAL, "FIBER OPTIC BATTERY CONNECTION"	1
44	10-152100		DECAL, "FIBER OPTIC BATTERY CHARGER"	1
45	10-267600		DECAL, "PLATFORM BATTERY LOW"	1
46	10-254100		DECAL, "LIGHT INDICATES LOW BATTERY VOLTAGE . . ."	1
47	10-257400		DECAL, "LIGHTS ON/ OFF" (with optional work lights)	1
48	10-152200		DECAL, "BATTERY CHARGER, PLATFORM LIGHTS"	
			(with optional work lights)	1
49	10-152300		DECAL, "PLATFORM LIGHTS BATTERY CONNECTION"	
			(with optional work lights)	1
50	10-258500		DECAL, "DISCONNECT BATTERY WHEN WORK LIGHTS . . ."	
			(with optional work lights)	1
51	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
52	10-017200		DECAL, "SIMON" NAME (Black, 5" [127 mm] high)	1
53	10-142400		DECAL, LETTER "I" (part of model designation)	2
54	10-133500		DECAL, MODEL "MPH 80"	2
	10-132300		DECAL, MODEL "MP95"	2
55	10-131900		DECAL, SIMON "S" LOGO	
			(Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	2
56	10-121600		DECAL, "MADE IN U.S.A."	1
57	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide)	
			(Bulk item, order as needed) (36 ft [11 m] used here)	A.R.
58	10-126900		DECAL, STRIPE ([3] Dk Gray stripes, 2-1/8" [54 mm] wide)	
			(Bulk item, order as needed) (14 Ft [4.3 M] used here)	A.R.
59	10-031000		"SAF STEP" (Black) (4" [102 mm] wide x 60 Ft [18.3 M] long roll)	A.R.

TITLE

DECALS, IMPH 80, IMP 95

SECTION **F99.** | PLATE NO. **11** | PAGE **03** | REV. **-** | DATED **11 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



Right (Engine) side. See previous pages for illustration of Left 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, IMPH 80, IMP 95

PART NO.

REV.

DATED

11 OCT., 1996

SECTION

F99.

PLATE NO.

11

PAGE

03