



TEREX AERIALS

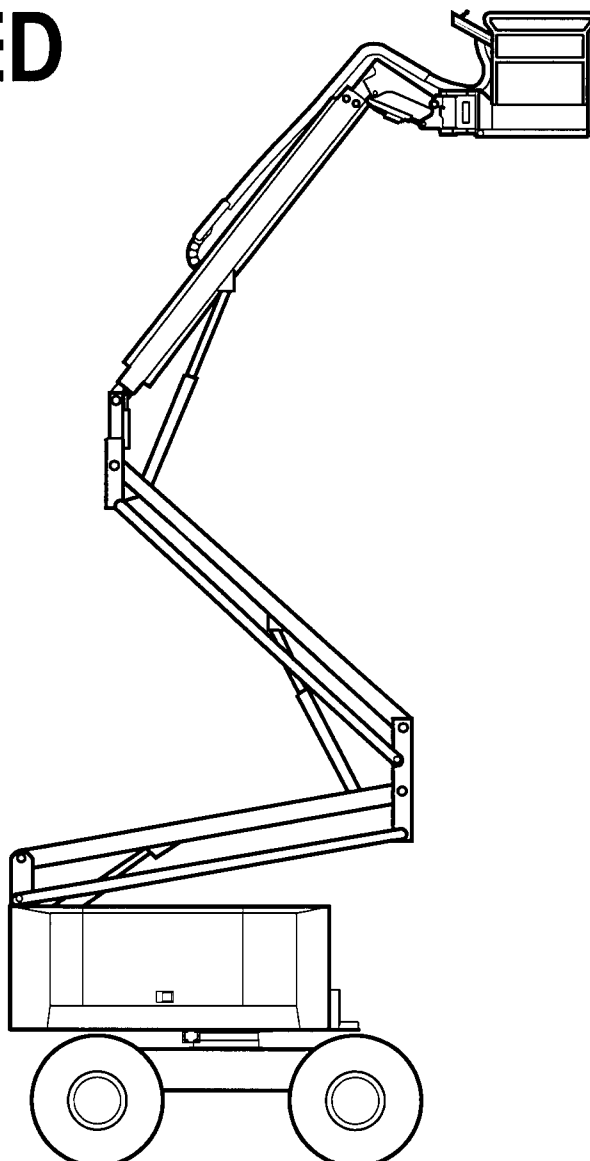
Milwaukee, Wisconsin

MODEL AT 60

Featuring "Full Hydraulic"
Control System

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art # A00.00439E

Part No. 89-446105 • Revi. 0.1 dated May, 1997 •

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INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON AT60 SELF-PROPELLED AERIAL WORK PLATFORMS with FULL HYDRAULIC controls. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE FACTORY-AUTHORIZED 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 Terex Parts Department for the latest edition of the Spare Parts Price List.

HOW TO USE THIS CATALOG

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

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to AT60 FULL HYDRAULIC machines are included in this Catalog.

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

The Parts Catalog is divided into "Sections", numbered from 1 through 99. Each section contains the individual parts that make up a major component, assembly or item. The first four sections (1 through 4) contain the major assemblies, or "Primary Machine Component Groups". Sections that follow contain sub-assemblies or components of these "major" assemblies.

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

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

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

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

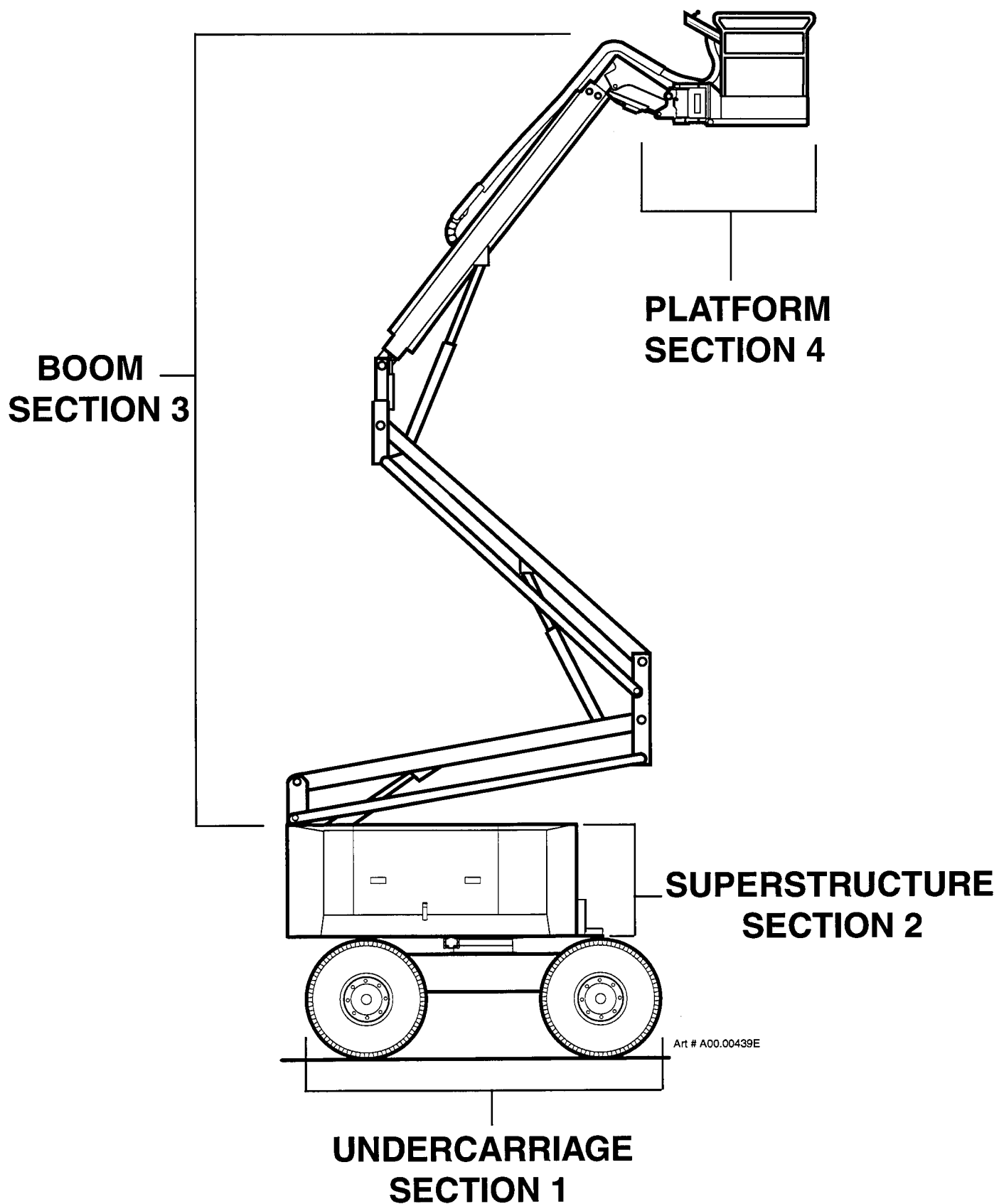
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

Some assembled items, such as hydraulic cylinders, may have been supplied by more than one source. While the assemblies may be able to be used interchangeably, FOR SAFETY'S SAKE, do not mix components or repair kits. Please confirm the make of the assembly on the unit before ordering or installing replacement parts.

Left and right-hand parts should be determined as though you are standing at the Platform Control Console, with the Platform in stowed position (over the non-steering axle). All dimensions are in inches unless otherwise specified.

TEREX AERIALS 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 TEREX AERIALS manuals are periodically updated to reflect changes that occur in the equipment. Please contact Terex Parts Distribution Center with any questions you may have regarding your particular machine, or the availability of more recent manuals.



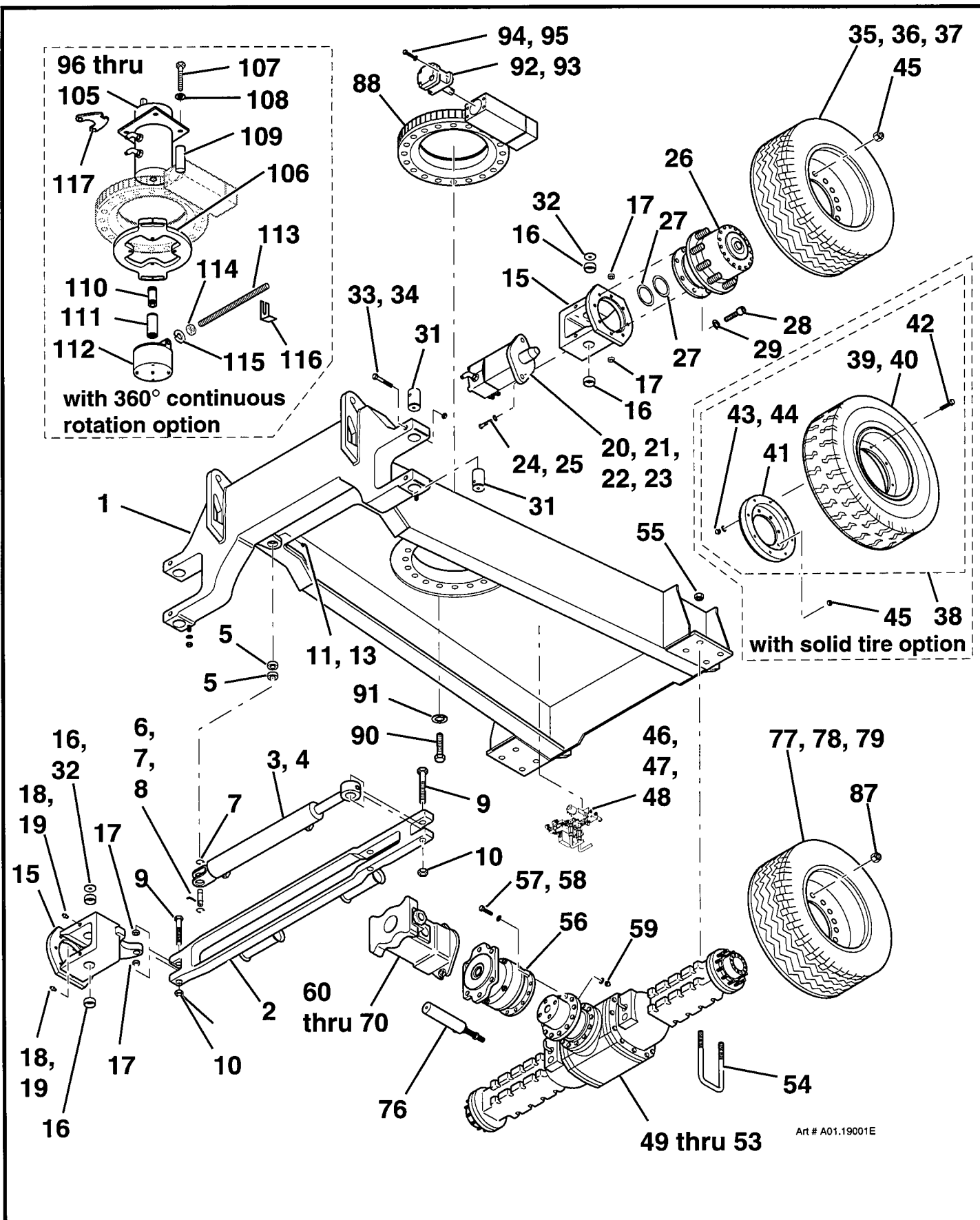
TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART
NO.PLATE
NO.

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 1860		UNDERCARRIAGE ASSEMBLY (units without 360° continuous rotation option)	1
	353 5650		(units with 360° continuous rotation option)	1
1	233 0850		UNDERCARRIAGE WELDMENT	1
2	231 9900		ROD, TIE	1
3	04-035200	11.22	CYLINDER, STEER	1
4	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	2
5	08-070400		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	2
6	219 2580		PIN (1" x 3-9/32") (Steer cylinder, base end)	1
7	08-040600		RING, RETAINING (External, 1")	2
8	219 7360		PIN, "L" (for steer cylinder base end pin)	1
9	07-094300		CAP SCREW, HEX HEAD (1"-8 x 6", Grade 5)	3
10	07-090011		NUT, TOP LOCK (1"-8)	3
11	08-050000		FITTING, GREASE (1/8", Straight)	1
12	08-051300		FITTING, GREASE (1/8", 90°)	1
13	08-066300		CAP, GREASE FITTING (White plastic)	2
14	353 8860		MOTOR HOUSING ASSEMBLY, FRONT (Right)	1
	353 8870		MOTOR HOUSING ASSEMBLY, FRONT (Left)	1
15	231 9910		MOTOR HOUSING, FRONT (Right)	1
	231 9920		MOTOR HOUSING, FRONT (Left)	1
16	219 7350		BEARING, SLEEVE (modified 08-069500) (Bronze, 2" I.D., 2-3/8" O.D., 1-1/2" long)	2
17	08-069600		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 3/4" long)	2
18	08-050000		FITTING, GREASE (1/8", Straight)	3
19	08-066300		CAP, GREASE FITTING (White plastic)	3
20	01-221900	26.10	MOTOR, HYDRAULIC (4.9 in ³ [80.3 c.c.])	1
21	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C5OX-S)	1
22	06-041000		ADAPTER, "O"-RING TO 37° (12-10 F5OX-S)	2
23	06-053300		45° ELBOW, SWIVEL NUT (12 V6X-S)	1
24	07-003088		CAP SCREW, HEX HEAD (1/2"-13 x 1-3/4", Grade 5)	2
25	07-065018		WASHER, HELICAL LOCK (1/2")	2
26		26.11	HUB, DRIVE (Torque Hub)	1
	02-042900		36.66:1 Ratio (Identification tag reads "W4B 9F00 337")	
	02-045900		29.78:1 Ratio (Identification tag reads "W4B 9F00 330")	
27	01-030900		SEAL (Rubber, 4" O.D., 2-1/2" I.D.)	2
28	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	8
29	07-061021		WASHER, FLAT (5/8" SAE, hardened)	8
30	06-021000		TEE, UNION (6 JTX-S) (Front drive motor drain hose)	1
TITLE UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 1 OF 4)				
PLATE NO.	01.19	SIMON AERIALS INC.		PART NO.
REV 5 MAY, 1997				



TITLE

UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 1 OF 4)

SIMON AERIALS INC.

REV 5 MAY, 1997

PART
NO.

PLATE
NO.

01.19

PARTS LIST

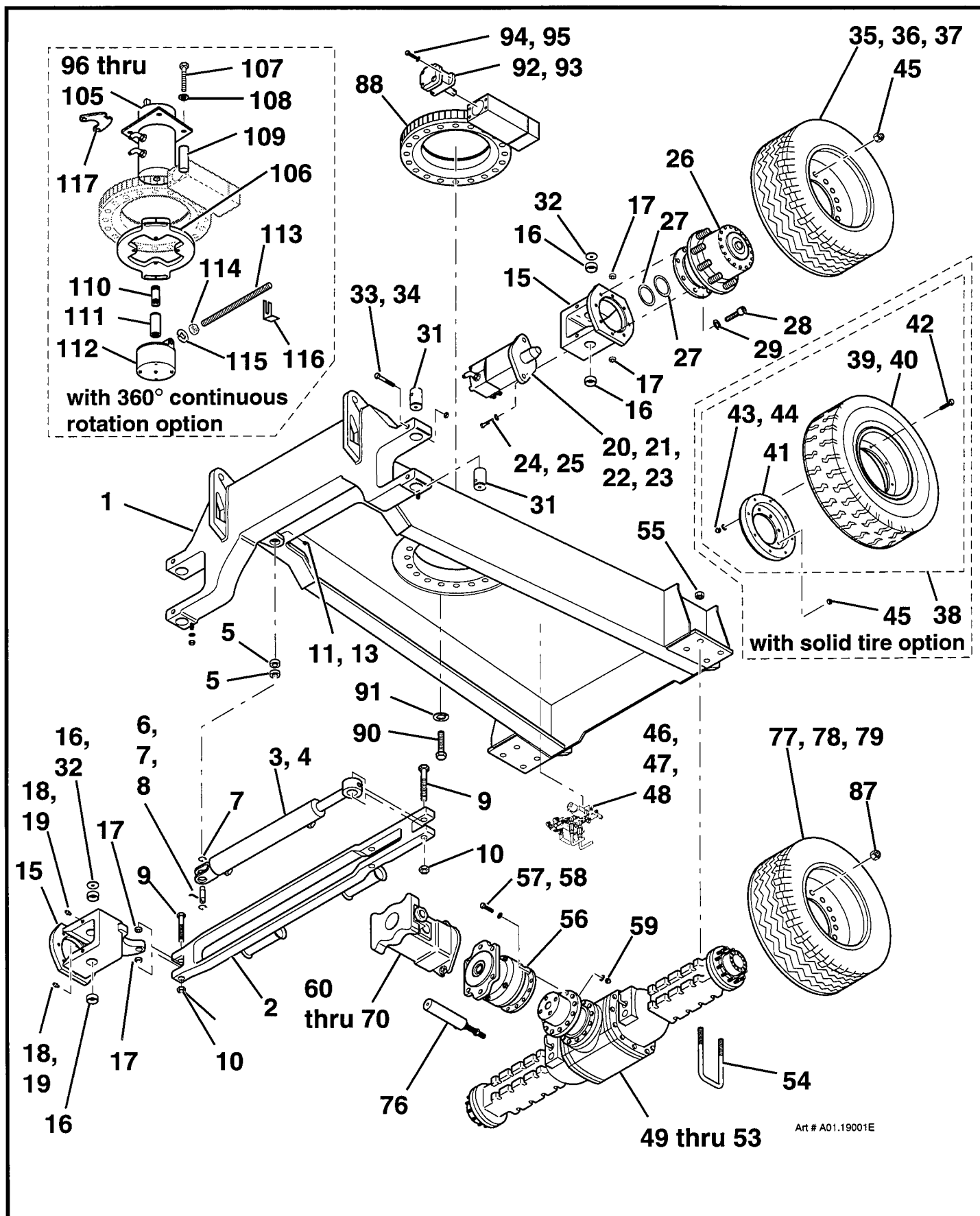
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	232 3630		PIN, KING (2" x 4-3/16") (replaces 219 2390)	4
32	08-004200		BEARING, THRUST (2" I.D., 3-5/8" O.D., 3/16" thick)	2
33	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4
34	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
35			WHEEL AND TIRE ASSEMBLY (for steer end drive axle)	
	354 1350		Liquid ballasted	2
	354 1380		Foam filled	2
36	02-045700		WHEEL (Steer end drive axle) (16-1/2" x 9-3/4")	1
37	02-041600		TIRE (390/ 70 - 16.5" NHS, 12 Ply "Gumbo Monster Mudder". Side wall MUST be marked " Simon ")	1
38	233 2310		WHEEL AND TIRE ASS'Y., SOLID (for steer end drive axle)	2
39	02-044100		WHEEL, SPLIT (Steer end drive axle) (20" x 6-1/2")	
			(Part No. is stamped on outside face)	1
40	02-044000		TIRE, SOLID (9" x 20" "Soft Shoe")	1
41	233 2270		SPACER, STEER WHEEL (2" [51 mm] thick)	1
42	07-112800		CAP SCREW, HEX HEAD (5/8"-18 x 3-3/4", Grade 8)	8
43	07-061021		WASHER, FLAT (5/8" SAE, hardened)	8
44	07-098200		NUT, CROWN (5/8"-18, prevailing torque, with flange)	8
45	07-098200		NUT, CROWN (5/8"-18, prevailing torque, with flange)	18
46	See Plate . .	23.14	VALVE ASSEMBLY, MOTION CONTROL	1
47	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
48	07-062015		WASHER, FLAT (5/16")	4
49		19.12	AXLE ASSEMBLY, REAR	1
	02-044300		without disconnect (Identified on nameplate as "420 R 85")	
	02-044400		with disconnect (Identified on nameplate as "420 R 81")	
50	06-000018		CONNECTOR, MALE (6 F80X-S, M14-1.5 metric thread)	2
51	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2
52	06-060100		REDUCER, TUBE END (6-4 TRTX-S)	2
53	06-057500		NUT, TUBE (6 BTX-S)	2
54	231 9880		"U"-BOLT (7/8"-14)	4
55	07-110900		NUT, FLANGED (7/8"-14)	8
56	02-041500		GEAR REDUCER (Identified on nameplate as "EM 1010 FE")	1
57	07-093300		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 8)	8
58	07-062015		WASHER, FLAT (5/16")	8
59	07-050015		NUT, STOP (5/16"-18, Grade 5)	8
60	01-086600	26.02	MOTOR, HYDRAULIC (13.6 in ³ [223 c.c.]	1
61	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
62	07-065018		WASHER, HELICAL LOCK (1/2")	2
63	07-061018		WASHER, FLAT (1/2" SAE, hardened)	2

TITLE UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 2 OF 4)

PLATE NO. 01.19 **SIMON AERIALS INC.**

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TITLE

UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 2 OF 4)

SIMON AERIALS INC.

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PART
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PARTS LIST

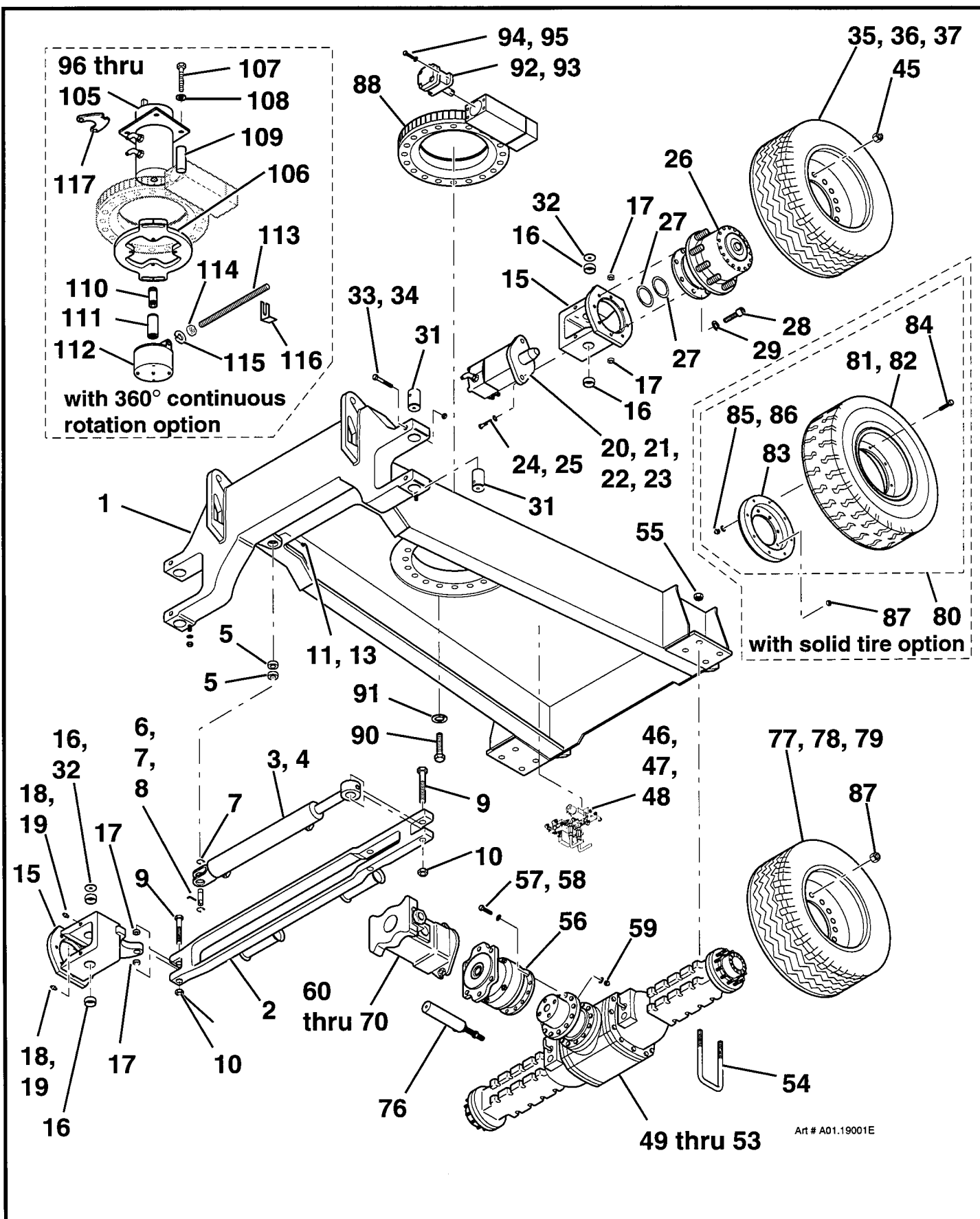
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
64	06-096100		UNION, STRAIGHT THREAD (6 F50 F50-S)	1
65	01-097600		VALVE, THREE WAY (Solenoid operated, 12 Volt DC)	1
66	06-091100		REDUCER/ EXPANDER (12-8 F50 G5-S)	1
67	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
68	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
69	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
70	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
71	01-219800		"O"-RING (3-1/4" I.D.)	1
72	07-096300		CAP SCREW, HEX HEAD (5/8"-18 x 1-1/4", Grade 5)	1
73			WASHER (comes with axle)	1
74	06-045500		90° ELBOW, STRAIGHT THREAD (12-10 C50X-S) (comes with axle)	1
75	06-097400	19.11	ADAPTER, 90° BENT STEM (4 IT3-12-12) (comes with axle)	1
76	04-037700		CYLINDER, AXLE DISCONNECT	1
77			WHEEL AND TIRE ASSEMBLY (for rigid drive axle)	2
	354 1360		Liquid ballasted	
	354 1390		Foam filled	
78	02-045800		WHEEL (Rigid drive axle) (16-1/2" x 9-3/4")	1
79	02-041600		TIRE (390/ 70 - 16.5" NHS, 12 Ply "Gumbo Monster Mudder". Side wall MUST be marked " Simon ")	1
80	233 2300		WHEEL AND TIRE ASS'Y., SOLID (for rigid drive axle)	2
81	02-044100		WHEEL, SPLIT (Rigid drive axle) (20" x 6-1/2") (Part No. is stamped on outside face)	1
82	02-044000		TIRE, SOLID (9" x 20" "Soft Shoe")	1
83	233 2240		SPACER, DRIVE WHEEL (3" [76 mm] thick)	1
84	07-112900		CAP SCREW, HEX HEAD (5/8"-18 x 5", Grade 8)	8
85	07-061021		WASHER, FLAT (5/8" SAE, hardened)	8
86	07-098200		NUT, CROWN (5/8"-18, prevailing torque, with flange)	8
87	07-095700		NUT, HEX (Self-locking, M18-1.5)	16
88	08-069000	28.06	SWING BEARING	1
89	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R.
90	07-004137		CAP SCREW, HEX HEAD (5/8"-11 x 4", Grade 8) (for units without 360° continuous rotation option)	20
			(for units with 360° continuous rotation option)	16
	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8) (for units with 360° continuous rotation option)	4
91	07-061021		WASHER, FLAT (5/8" SAE)	28

TITLE UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 3 OF 4)

PLATE NO. 01.19 **SIMON AERIALS INC.**

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TITLE

UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 3 OF 4)

SIMON AERIALS INC.

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PART
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PARTS LIST

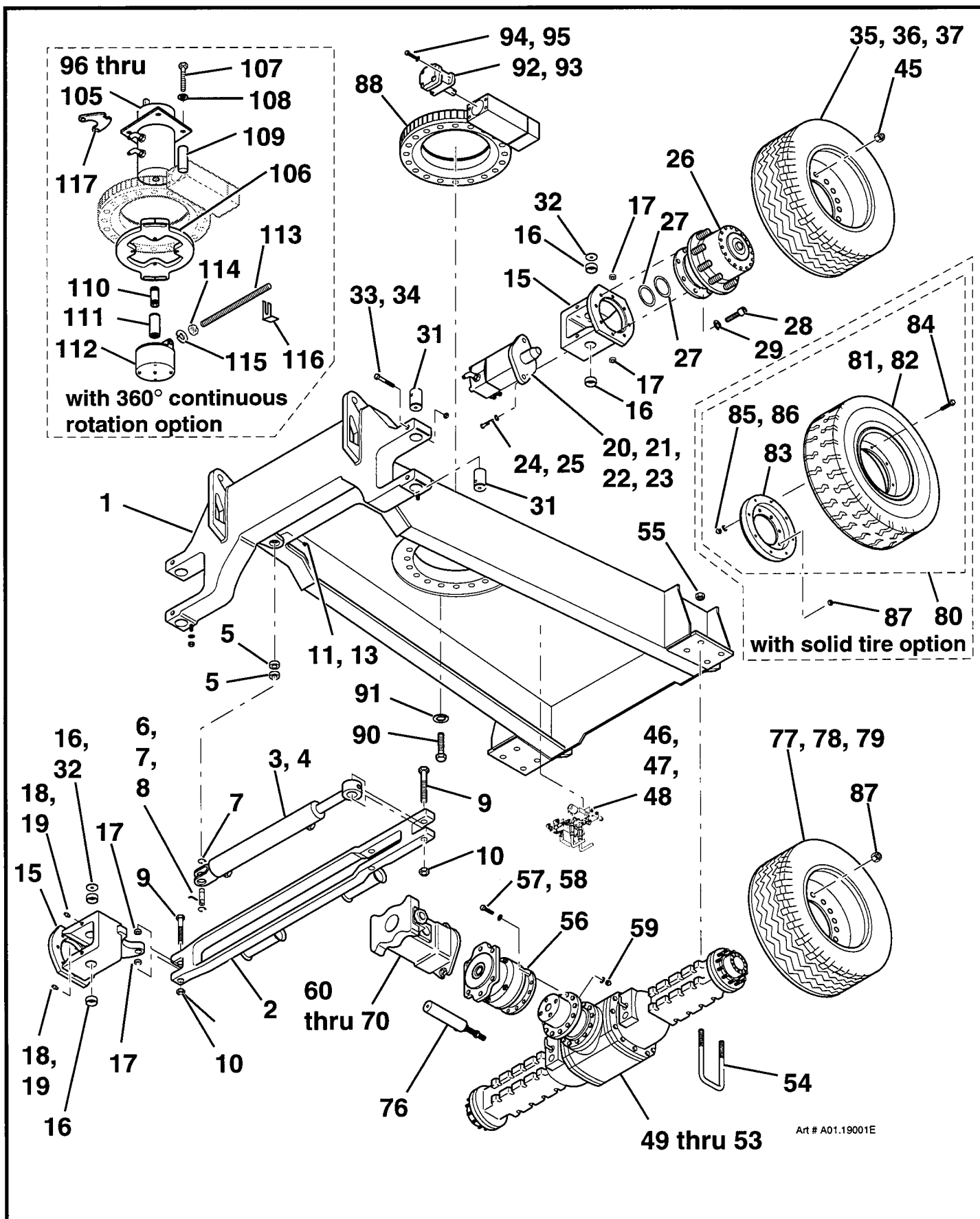
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	01-210200	26.07	MOTOR, HYDRAULIC (10 in ³ [164 c.c.]	1
93	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F50X-S)	2
94	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
95	07-065018	16.02	WASHER, HELICAL LOCK (1/2")	2
96	04-008700		SWIVEL, HYDRAULIC (with 360° continuous rotation option)	1
97	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
98	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	1
99	06-047700		45° ELBOW, STRAIGHT THREAD (16 V50X-S)	2
100	06-053000		45° ELBOW, SWIVEL NUT (6 V6X-S)	2
101	06-045800		90° ELBOW, STRAIGHT THREAD (16 C50X-S)	2
102	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	4
103	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	3
104	03-045000		REDUCER, ELECTRICAL CONDUIT (3/4" NPT to 1/2" NPT)	1
105	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1
106	233 0110		ADAPTER, HYDRAULIC SWIVEL MOUNTING	1
107	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4
108	07-065018		WASHER, HELICAL LOCK (1/2")	4
109	233 0100		SPACER, TUBE	4
110	11-020010		NIPPLE, PIPE (3/4" NPT x 2")	1
111	206 7559		ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL	1
112	03-037300		SWIVEL ASSEMBLY, ELECTRICAL (12 Volt DC, 15 Amp)	1
113	11-007006		ROD, THREADED (1/2"-13 x 7-9/16")	1
114	07-040018		NUT, HEX (1/2"-13, Grade 5)	1
115	07-062018		WASHER, FLAT (1/2")	2
116	207 0746		LOCK, ELECTRICAL SWIVEL	1
117	231 1610		PLATE, SWIVEL LOCK	1
118			HOSE KIT, UNDERCARRIAGE (AT 60)	
	354 0570		(for units without 360° continuous rotation option)	1
	353 8820		(for units with 360° continuous rotation option)	1
119	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	8
120	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, order as needed) 20 Ft (6.1 M) required without continuous rotation option. 30 Ft (9.1 M) required with continuous rotation option.	A.R.
121	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	24
	03-066400		TIE, CABLE (20" [508 mm] long)	9
	03-439000		TIE, CABLE (3-5/8" [92 mm] long) (if required)	4

TITLE UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 4 OF 4)

PLATE NO. 01.19 **SIMON AERIALS INC.**

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TITLE

UNDERCARRIAGE ASSEMBLY, AT 60 (PLATE 4 OF 4)

SIMON AERIALS INC.

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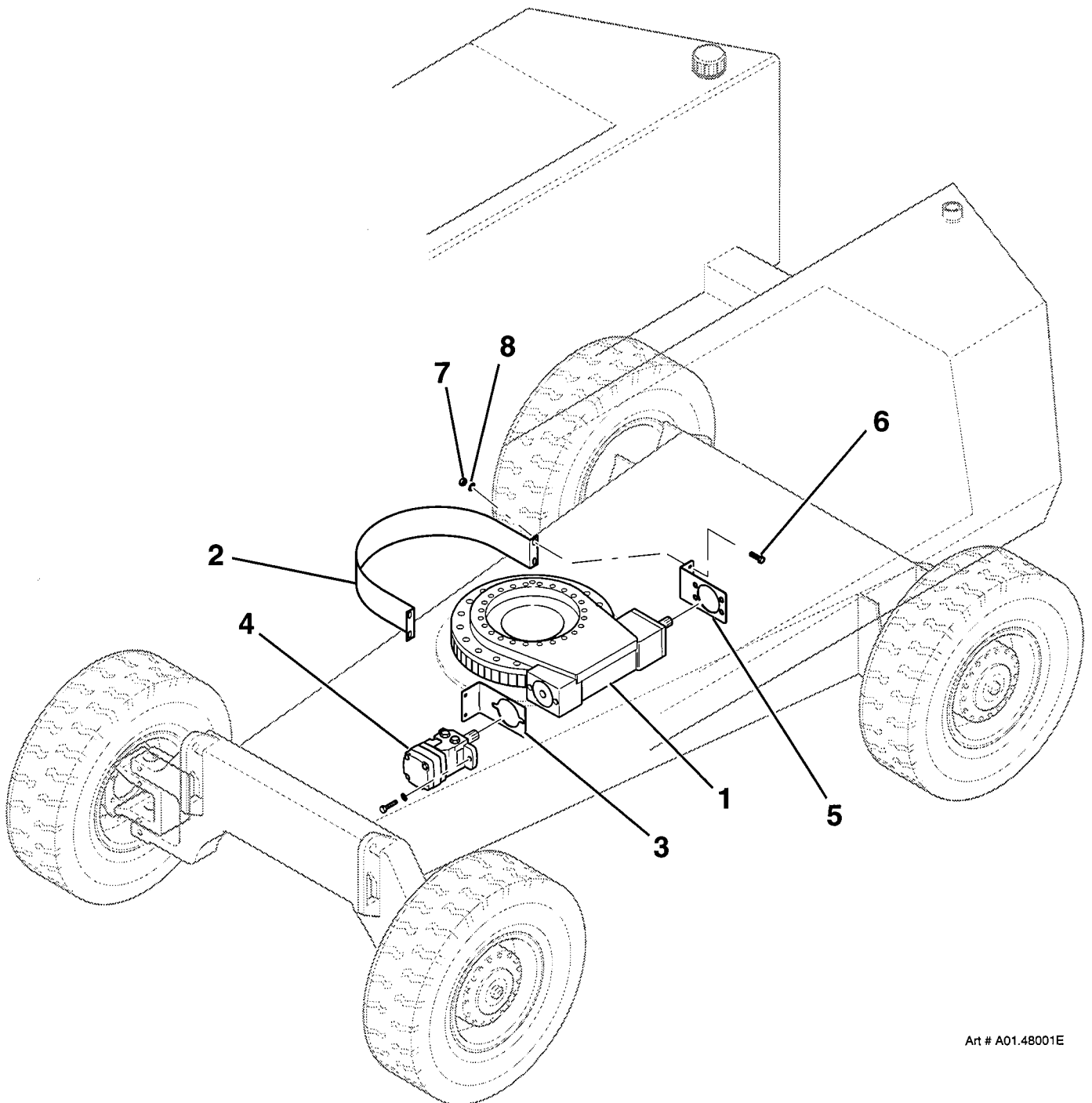
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233 5440



Art # A01.48001E

TITLE SWING GEAR COVER, AT 60 (FOR HOSTILE ENVIRONMENT)

SIMON AERIALS INC.

NEW 26 APR., 1995

PART NO. 233 5440

PLATE NO. 01.48

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	234 2450		PYLON WELDMENT, SUPERSTRUCTURE (for versions with Full Hydraulic controls)	1
2	07-004140		CAP SCREW, HEX HEAD (5/8"-11 x 5-1/2", Grade 8)	20
	07-004142		CAP SCREW, HEX HEAD (5/8"-11 x 6", Grade 8)	4
3	07-061021		WASHER, FLAT (5/8" SAE)	44
4	234 5850		REST, UPPER BOOM POST (Later version, which is fastened to studs as shown on illustration. On earlier versions, rest is welded to pylon.)	1
5	07-062018		WASHER, FLAT (1/2")	4
6	07-065018		WASHER, HELICAL LOCK (1/2")	4
7	07-040018		NUT, HEX (1/2"-13, Grade 8)	4
8	231 1610		PLATE, SWIVEL LOCK	2
9			PIN, BOOM PIVOT (2" x 10-15/16")	2
	213 8930		except Canada	
	233 4710		CSA standards	
10	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	2
11	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	2
12	08-041100		RING, RETAINING (2")	4
13	01-080008		PIN (includes cotter pin) (3/4" x 4")	1
14			ENGINE MODULE WELDMENT	1
	234 3120		with std. Ford LSG 423 liquid cooled gas or dual fuel engine	
	233 4400	shown	with Detroit Diesel/ Perkins 104.22 liquid cooled engine	
	234 2190		with Deutz F4L 1011 air cooled Diesel engine	
	234 3170		with Isuzu C-240 liquid cooled Diesel engine	
	Call Simon		for engines not listed above	
15	07-004152		CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)	8
16	07-061022		WASHER, FLAT (3/4" SAE)	16
17	07-050022		NUT, STOP (3/4"-10, Grade 5)	8
18	03-493800		SWITCH, LIMIT (Side rotary, with 2 normally open, 2 normally closed contacts)	1
19	03-494100		ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below)	1
20	230 1360		ARM, LIMIT SWITCH (Stainless steel rod)	1
21	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
22	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1
23	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)	
			(Bulk item. 10 Ft [3.05 M] required this application)	A.R.
24	03-064700		TIE, CABLE (14-1/2" [368 mm] long)	10

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 1 OF 9)

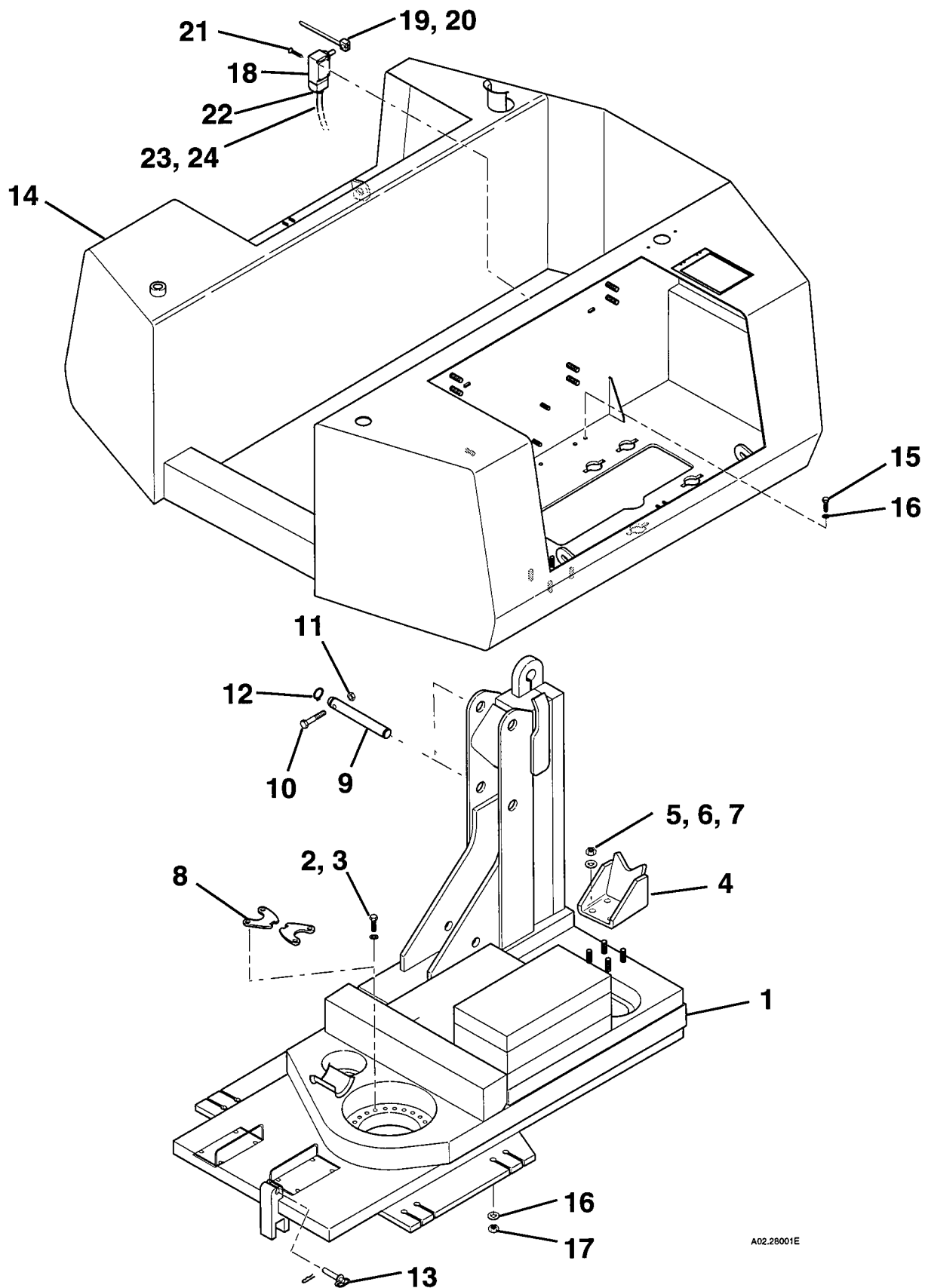
PLATE NO.

02.28

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART NO.



A02.28001E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 1 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	See Plate . .	08. - -	ENGINE ASSEMBLY	1
26	09-006500		MOUNT, ENGINE	4
27	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
28	07-062016		WASHER, FLAT (3/8")	16
29	07-050016		NUT, STOP (3/8"-16, Grade 5)	8
30	07-004092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
31	07-061018		WASHER, FLAT (1/2")	8
32	07-058400		NUT, LOCK (1/2"-13)	4
33	233 7600		TRAY, BATTERY	1
34	07-040016		NUT, HEX (3/8"-16, Grade 5)	3
35	07-065016		WASHER, HELICAL LOCK (3/8")	3
36	07-062016		WASHER, FLAT (3/8")	3
37	03-010001		BATTERY (12 Volt DC, 95 Amp)	1
38	10-112900		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene)	1
39	03-064300		HOLD DOWN, BATTERY	1
40	07-090111		"J"-BOLT (includes Wing Nut)	2
41			CABLE, BATTERY (Positive, for battery on tank)	1
	03-707100		Red, 98" (2.5 M) long (for Perkins engine)	
42	Call Simon		For applications other than as shown above	
	03-070100		CABLE, BATTERY (Negative, for battery on tank)	
			Black, 12" (30 cm) long (for Perkins engine)	1
43	Call Simon		For applications other than as shown above	
44	03-487500		CONNECTOR, BATTERY LUG	A.R.
45	01-014000		FILTER, HYDRAULIC (Pressure line)	1
			ELEMENT, FILTER	
	01-014001		10 micron, paper (standard)	
	01-014005		3 micron, paper (optional)	
	01-200700		Synthetic material (suitable for Water Glycol fluid)	
46	01-014002		SEAL KIT, HIGH PRESSURE FILTER	1
47	06-092600		REDUCER/ EXPANDER (24-16 F50 G5-S)	2
48	06-045800		90° ELBOW, STRAIGHT THREAD (16 C50X-S)	1
49	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
50	07-062016		WASHER, FLAT (3/8")	4
51	10-002600		WASHER, FENDER (1/2" I.D., 2" O.D.)	4
52	10-086500		WASHER, RUBBER (1/2" I.D., 2" O.D.)	4

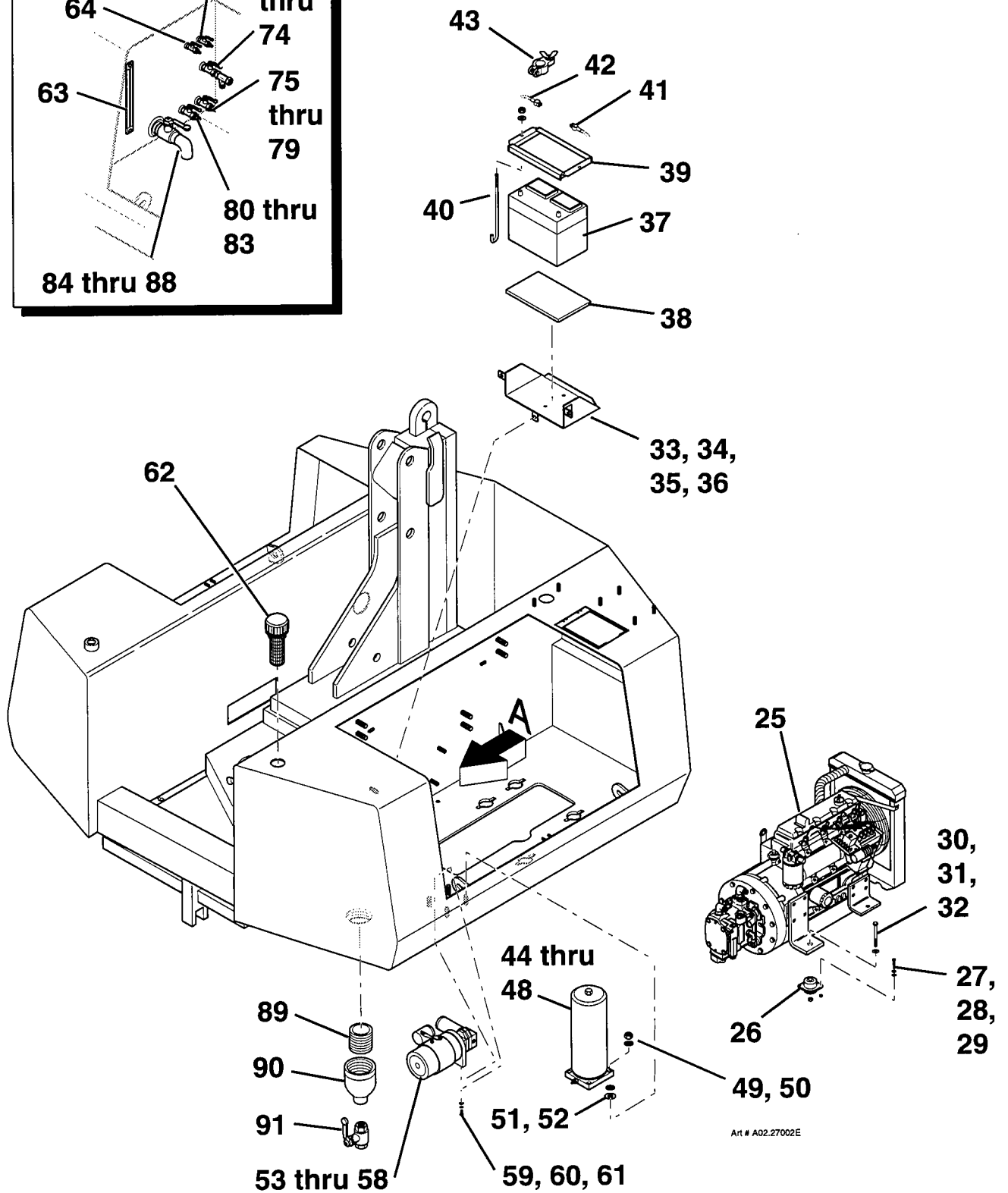
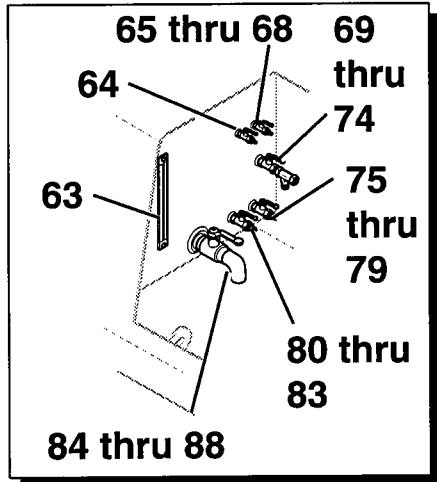
TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 2 OF 9)

PLATE NO. 02.28 **SIMON AERIALS INC.**

NEW 18 MAY, 1995

PART NO.

View in Direction of Arrow "A"



Art # A02.27002E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 2 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
53	01-224900	12.12	PUMP, EMERGENCY HYDRAULIC (Heavy duty, 12 Volt DC electric motor)	1
54	06-096100		UNION (6 F50 F50-S)	1
55	01-226000		FILTER ASSEMBLY, SCREW-ON	1
56	01-226001		ELEMENT, FILTER	1
57	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
58	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
59	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
60	07-062016		WASHER, FLAT (3/8")	2
61	07-065016		WASHER, HELICAL LOCK (3/8")	2
62	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1
63	10-033800		GAUGE, SIGHT (14" [35.6 cm] long)	1
			Fitting for hydraulic tank, left hand 1/4" NPT port:	
64	11-075400		PLUG, SQUARE HEAD (1/4" NPT)	1
			Fittings for hydraulic tank, right hand 1/4" NPT port:	
65	06-000700		CONNECTOR, MALE (6 FTX-S)	1
66	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
67	01-020800		VALVE, CHECK	1
68	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
			Fittings for hydraulic tank, upper 1" NPT port:	
69	11-062000		BUSHING, REDUCER (1" to 3/4" NPT)	1
70	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
71	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	1
72	06-004900		90° ELBOW, MALE (12 CTX-S)	1
73	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	1
74	06-057800		NUT, TUBE (12 BTX-S)	1

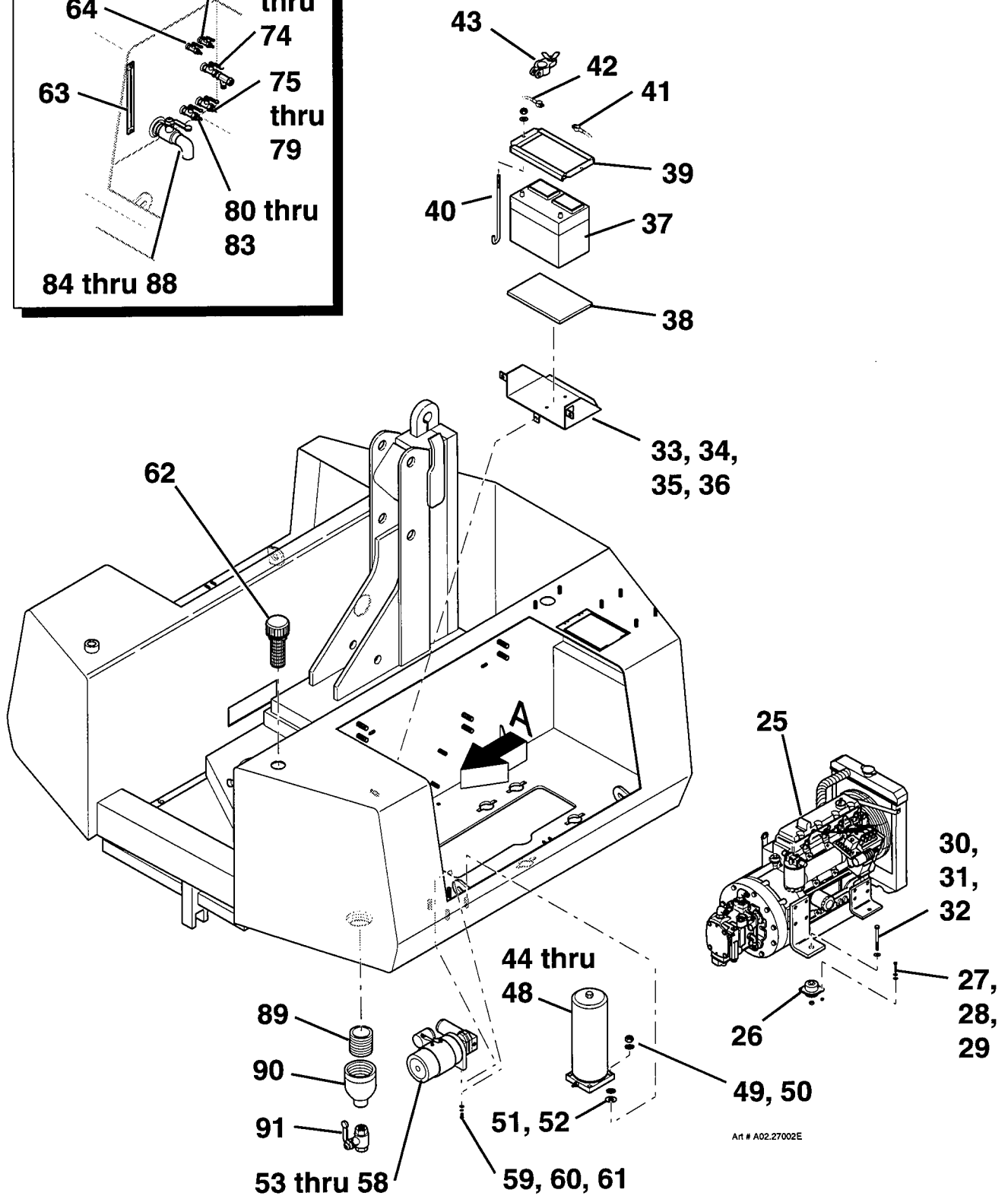
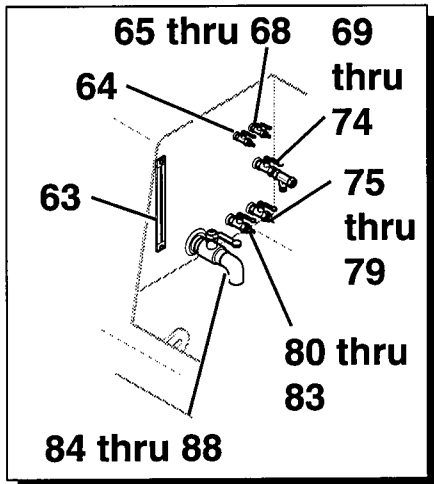
TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 3 OF 9)

PLATE NO. 02.28 **SIMON AERIALS INC.**

NEW 18 MAY, 1995

PART NO.

View in Direction of Arrow "A"



TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 3 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Fittings for hydraulic tank, lower 1" NPT port:	
75	11-020014		CLOSE NIPPLE (1" NPT)	1
76	01-068500		VALVE, BALL (Shutoff valve, 1" NPT)	1
77	06-005200		90° ELBOW, MALE (16 CTX-S)	1
78	06-055000		RUN TEE, 37° FEMALE SWIVEL NUT (16 R6X-S)	1
79	06-214200		45° ELBOW, SWIVEL NUT (16 V6X-S)	1
			Fittings for hydraulic tank, 3/4" NPT port:	
80	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
81	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	1
82	06-004900		90° ELBOW, MALE (12 CTX-S)	1
83	06-053300		45° ELBOW, SWIVEL NUT (12 V6X-S)	1
			Fittings for hydraulic tank, 1-1/2" NPT port:	
84	11-071500		REDUCER, BELL (1-3/4" NPT to 1-1/2" NPT)	1
85	11-050023		90° STREET ELBOW (1-1/2")	1
86	01-063000		VALVE, BALL (Shutoff valve, 1-1/2" NPT)	1
87	11-050023		90° STREET ELBOW (1-1/2") (with Perkins engine)	1
88	Call Simon 06-191500		For applications other than as shown above CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D., 1-1/2" long)	1 1
			Fittings for hydraulic tank, drain port:	
89	11-062100		BUSHING, REDUCER (2" NPT to 1/2" NPT) or	1
	11-020017		CLOSE NIPPLE (2" NPT) (used with Bell Reducer, below)	1
90	11-061900		REDUCER, BELL (2" NPT to 1/2" NPT) (with Nipple, above)	1
91	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 4 OF 9)

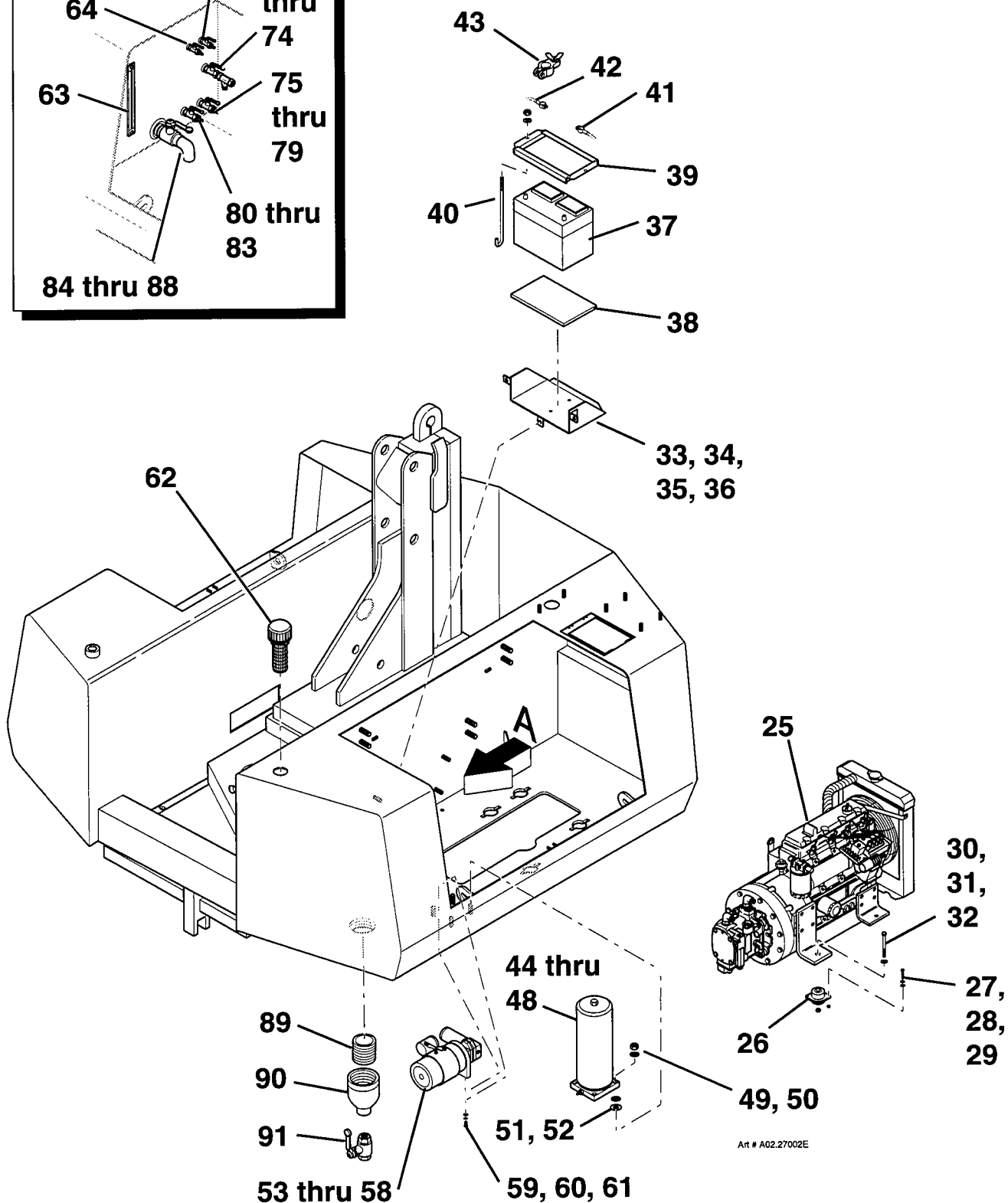
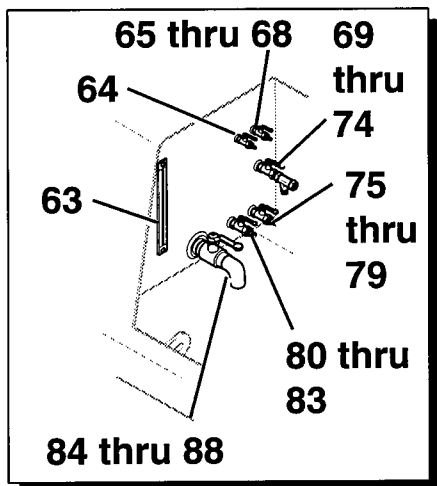
PLATE NO. 02.28

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART NO.

View in Direction of Arrow "A"



Art # A02.27002E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 4 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

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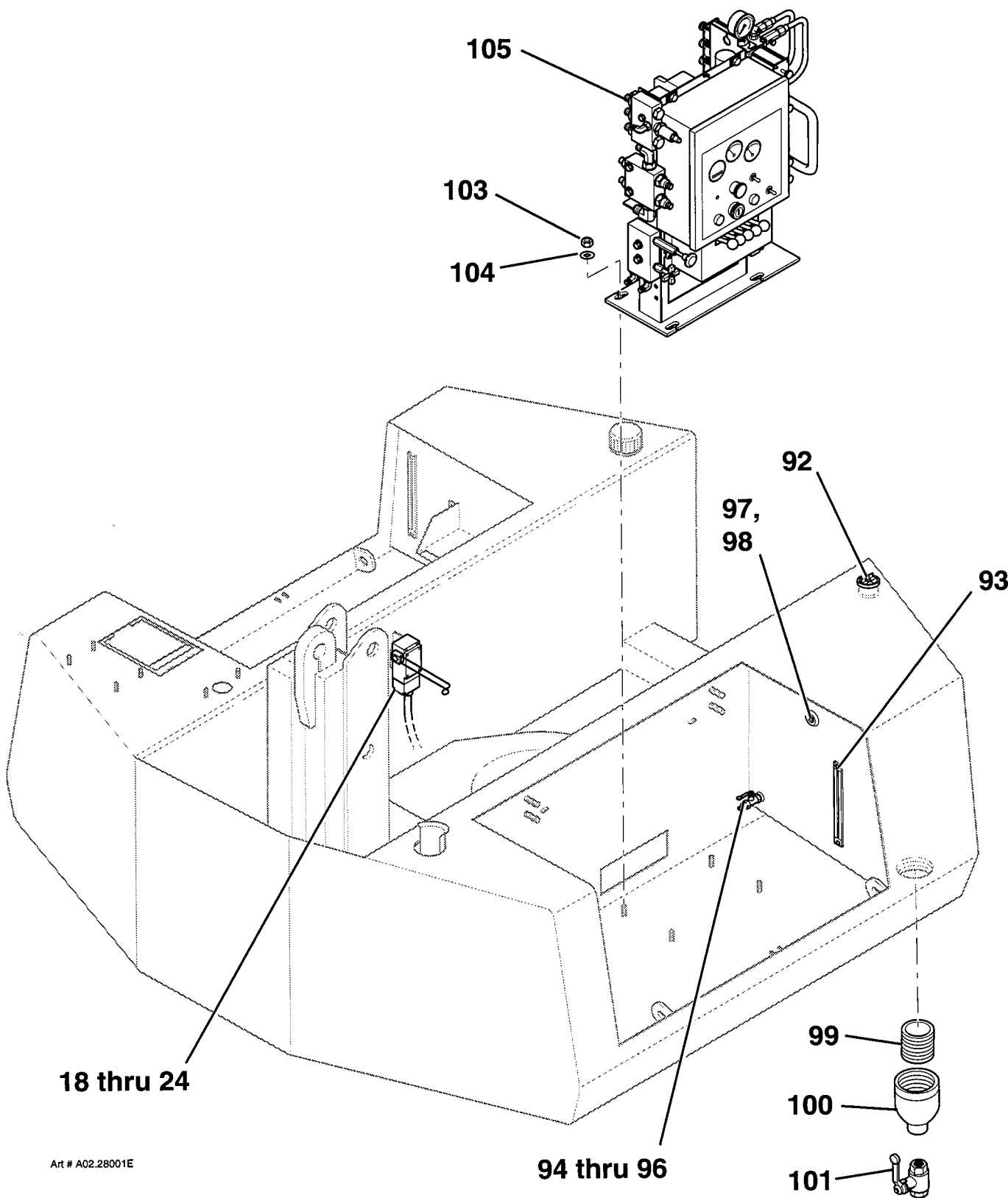
TITLE	SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 5 OF 9)
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PLATE NO. 02.28

SIMON AERIALS INC.

NEW 18 MAY, 1995

**PART
NO.**



Art # A02.28001E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 5 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

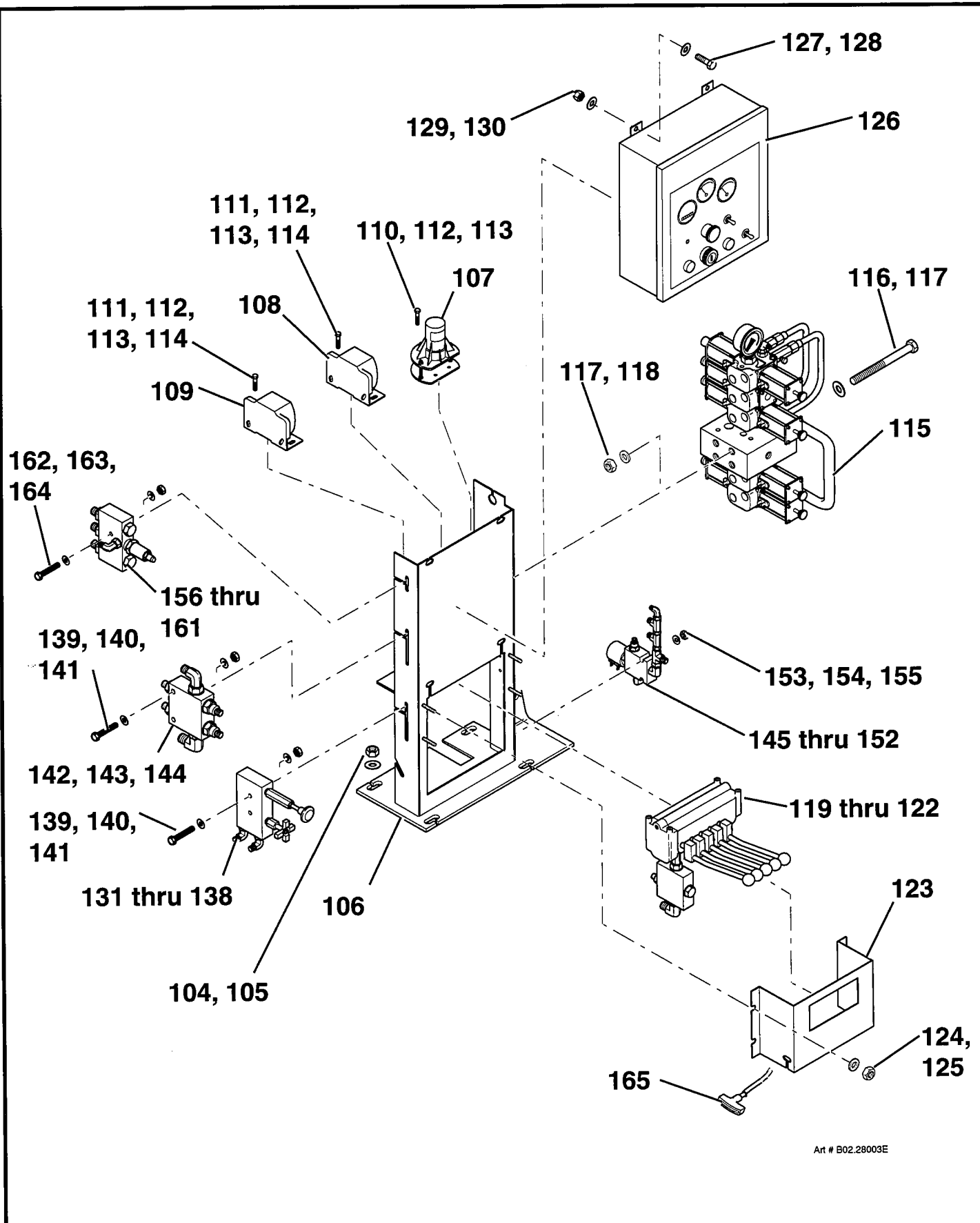
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
105	354 2530		GROUND CONTROL ASSEMBLY	1
106	230 8400		BRACKET, GROUND CONTROL	1
107	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
108	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
109	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
110	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
111	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
112	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
113	07-062014		WASHER, FLAT (1/4")	6
114	07-111600		WASHER, EXTERNAL TOOTH LOCK (1/4")	2
115	See plate . .	23. - -	MANIFOLD ASSEMBLY	1
116	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5?)	4
117	07-062018		WASHER, FLAT (1/2")	4
118	07-058400		NUT, HEX LOCK (1/2"-13, Grade 5?)	4
119	See plate . .	06. - -	GROUND VALVE ASSEMBLY	1
120	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5?)	4
121	07-062015		WASHER, FLAT (5/16"?)	4
122	07-065015		WASHER, HELICAL LOCK (5/16"?)	4
123	234 1920		COVER, GROUND CONTROL LEVER	1
124	07-062014		WASHER, FLAT (1/4"?)	4
125	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5?)	4
126	See plate . .	07.23	PANEL ASSEMBLY, GROUND ELECTRICAL	1
127	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
128	07-062015		WASHER, FLAT (5/16")	4
129	07-062014		WASHER, FLAT (1/4")	4
130	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
131	01-209800		MANIFOLD, BRAKE RELEASE	1
132			BODY, VALVE	1
133	01-209801		VALVE, NEEDLE	1
134			PUMP, HAND	1
135	01-209802		SEAL KIT, HAND PUMP	1
136	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	1
137	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
138	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
139	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	4
140	07-062015		WASHER, FLAT (5/16")	8
141	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	4

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 6 OF 9)

PLATE NO. 02.28 **SIMON AERIALS INC.**

NEW 18 MAY, 1995

PART NO.



Art # B02.28003E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 6 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
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PARTS LIST

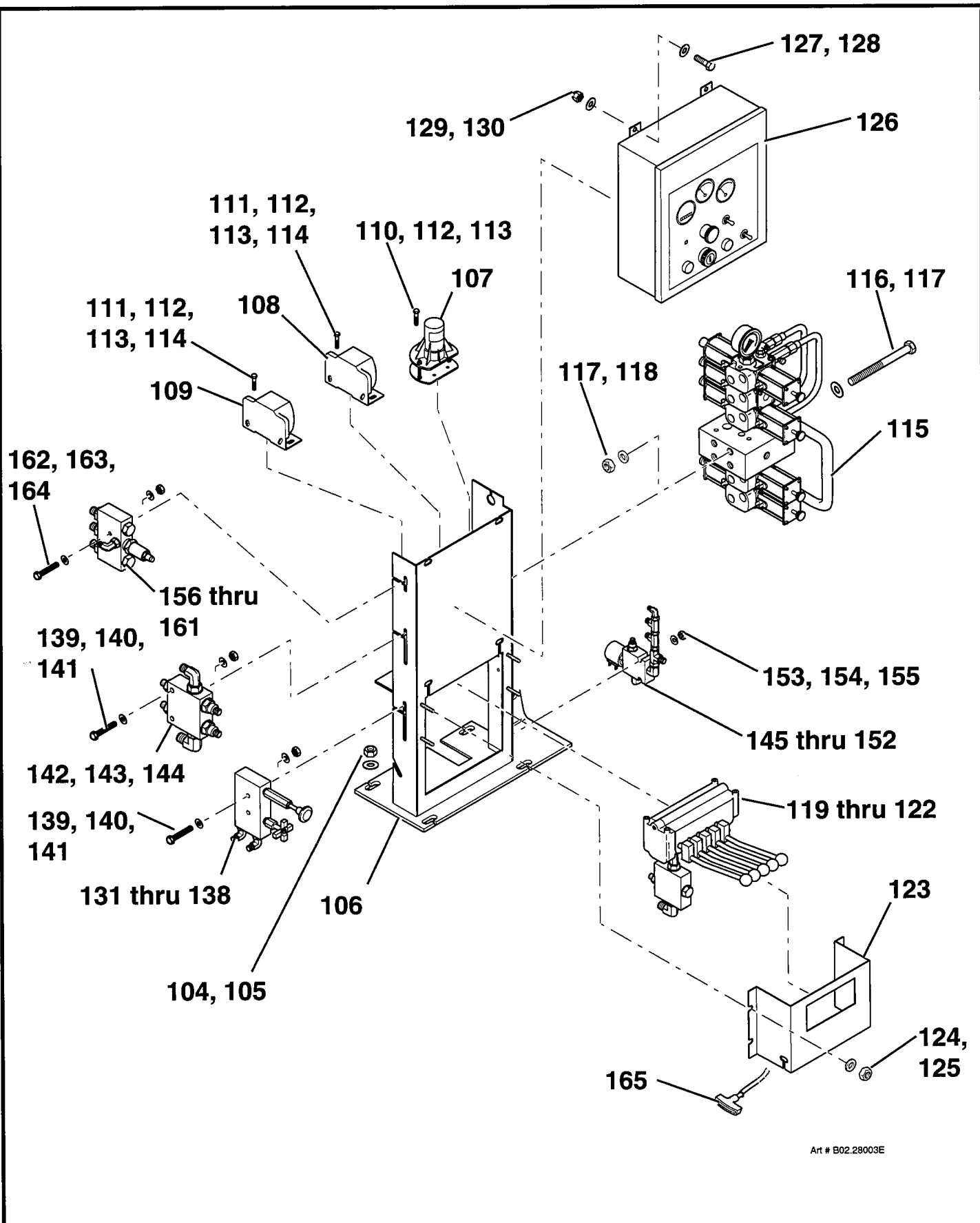
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
142	01-219100		GROUND CONTROL ASSEMBLY (continued) VALVE, DUAL COUNTERBALANCE (pre-set to 2,500 PSI [172 bar, 176 Kg/ cm ²])	1
143	06-039600		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
144	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
145	01-093500		VALVE, SOLENOID (Dump valve)	1
146	01-093501		COIL, SOLENOID VALVE	1
147	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
148	06-044900		90° ELBOW, STRAIGHT THREAD (8-6 C50X-S)	1
149	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	3
150	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
151	06-057600		NUT, TUBE (8 BTX-S)	1
152	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
153	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	2
154	07-062014		WASHER, FLAT (1/4")	4
155	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
			The following items are mounted on the Ground Control Assembly when the Detroit Diesel/ Perkins engine is fitted:	
156	01-215700		VALVE, MANIFOLD (Horsepower limiter)	1
157	01-086805		CARTRIDGE, HORSEPOWER LIMITER VALVE	1
158	01-086812		SEAL KIT, VALVE CARTRIDGE	1
159	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
160	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
161	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
162	07-003032		CAP SCREW, HEX HEAD (5/16"-18 x 2-3/4", Grade 5)	2
163	07-062015		WASHER, FLAT (5/16")	4
164	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
165			CABLE, GASOLINE TO PROPANE SWITCHING (With dual fuel option. Comes with engine.)	1

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 7 OF 9)

PLATE NO. 02.28 **SIMON AERIALS INC.**

NEW 18 MAY, 1995

PART NO.



Art # B02.28003E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 7 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
166	233 5270		DOOR (left, control side)	1
167	232 3670		DOOR (right, engine side)	1
168			PAGODA, ENGINE DOOR	1
	230 3340		with standard Ford LSG-423 engine	
			with Detroit Diesel/ Perkins 104.22 engine	
	234 6550		Style as shown on illustration	
	233 6970		With hooded intake (used on some versions)	
	234 7810		with Deutz F4L 1011 engine	
	232 0750		with Isuzu C-240 engine	
	Call Simon		for engines not listed above	
169			OUTLET, ENGINE EXHAUST	1
	233 7990		has two 90° bends (used with "hooded intake" Pagoda)	
	219 9920		has one 90° bend (for all other applications)	
170	07-029365		SCREW, TEK (#12-14 x 1" self tap, bonded sealing head)	18
171	232 8850		HINGE ASSEMBLY, DOOR (right)	1
	233 5330		HINGE ASSEMBLY, DOOR (left)	1
172	233 5650		BRACKET, HINGE (right)	1
	232 8800		BRACKET, HINGE (left)	1
173	233 5260		BRACKET, DOOR	1
174	08-069900		COLLAR, "CLAMP-TITE" (3/4" I.D., one piece, steel)	2
175	10-225200		STUD, BALL (.39" dia.)	4
176	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
177	10-225300		CLIP, SAFETY	4
178	10-225100		SPRING, GAS (Gas cylinder)	
			(19" [48.3 cm] extended, 13-1/4" [33.6 cm] retracted)	2
179	219 5600		PLATE, DOOR MOUNT	4
180	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
181	07-065018		WASHER, HELICAL LOCK (1/2")	8
182	07-017025		CAP SCREW, BUTTON HEAD (5/16"-18 x 1", Grade 5)	8
183	07-065015		WASHER, HELICAL LOCK (5/16")	8
184	07-062015		WASHER, FLAT (5/16")	8
185	10-223000		LATCH, DRAW (includes latch and hook)	2
186	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4", Grade 2)	4
187	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	4
188	07-050111		NUT, LOCK (#10-32, Grade 2, with nylon insert)	8

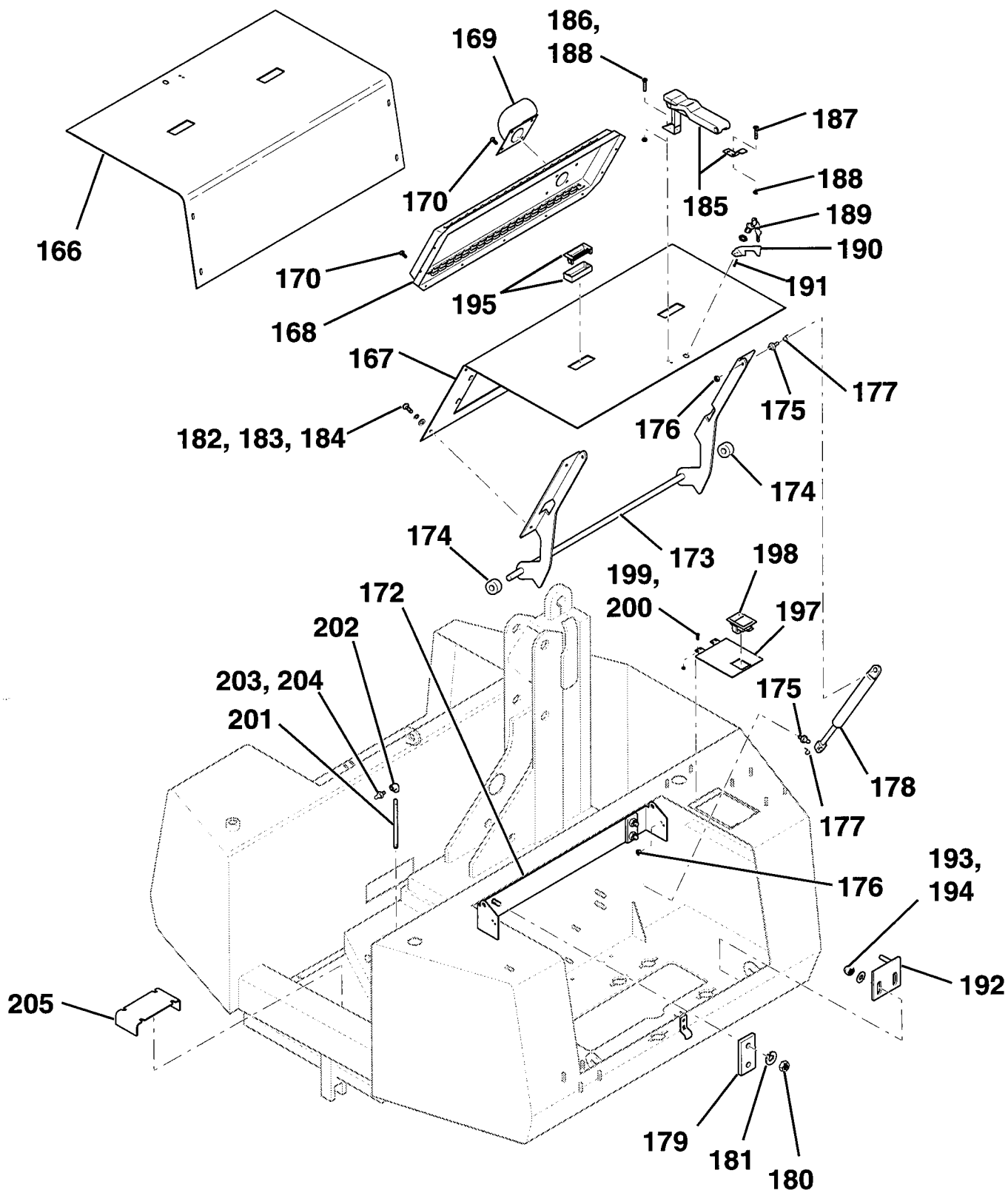
TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 8 OF 9)

PLATE NO. 02.28

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART NO.



Art # A02.27005E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 8 OF 9)

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST

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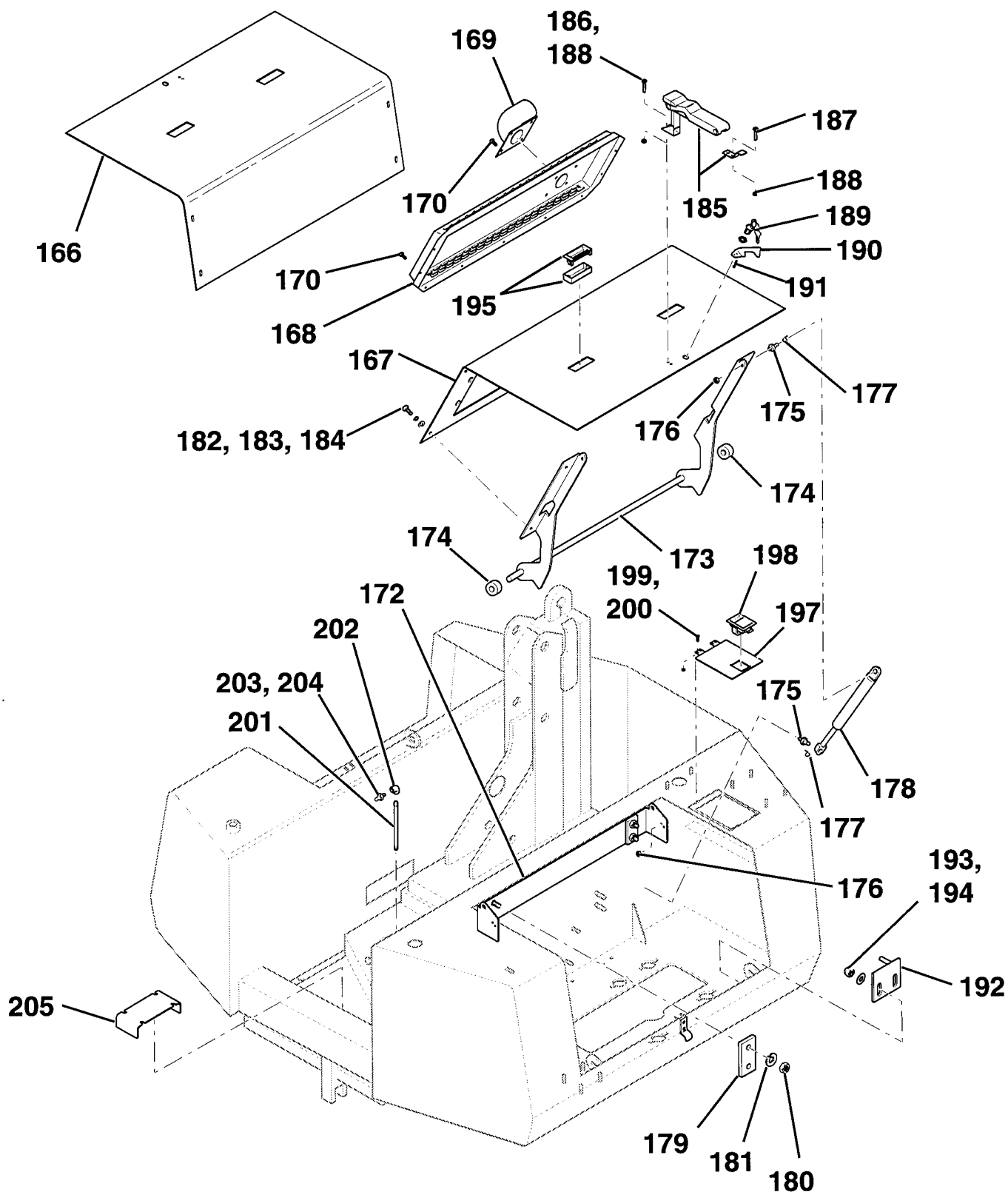
TITLE	SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 9 OF 9)
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PLATE NO. 02.28

SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.



Art # A02.27005E

TITLE SUPERSTRUCTURE, AT-60 (FULL HYDRAULIC) (PLATE 9 OF 9)

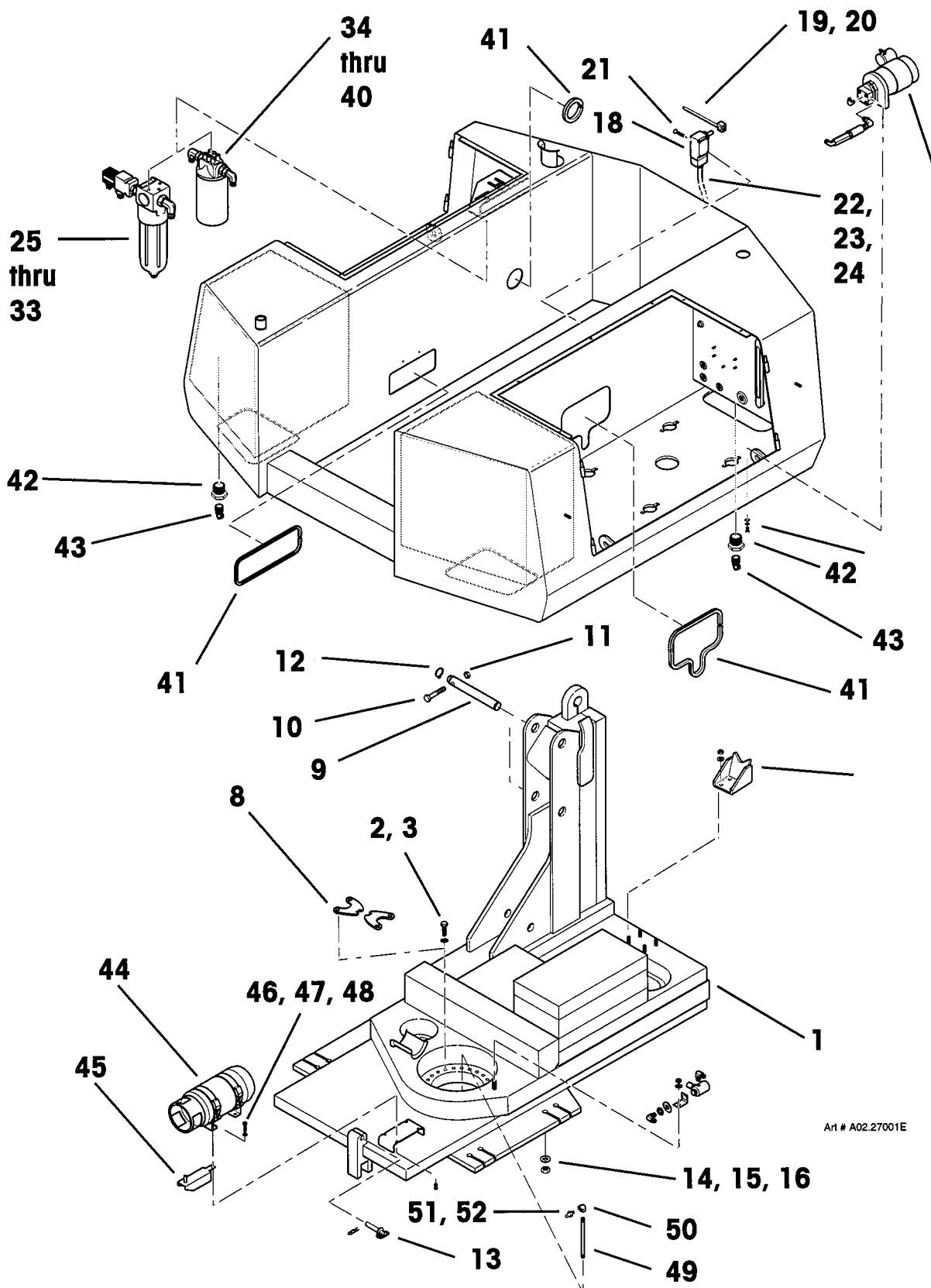
SIMON AERIALS INC.

NEW 18 MAY, 1995

PART
NO.

PLATE
NO. 02.28

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	236 2630		PYLON WELDMENT, SUPERSTRUCTURE (for versions with Full Hydraulic controls)	1	
2	07-004140		CAP SCREW, HEX HEAD (5/8"-11 x 5-1/2", Grade 8) 20		
	07-004142		CAP SCREW, HEX HEAD (5/8"-11 x 6", Grade 8)	4	
3	07-061021		WASHER, FLAT (5/8" SAE)	44	
4	234 5850		REST, UPPER BOOM POST		
			(Later version, which is fastened to studs as shown on illustration. On earlier versions, rest is welded to pylon.)	1	
5	07-062018		WASHER, FLAT (1/2")	4	
6	07-065018		WASHER, HELICAL LOCK (1/2")	4	
7	07-040018		NUT, HEX (1/2"-13, Grade 8)	4	
8	231 1610		PLATE, SWIVEL LOCK	2	
9			PIN, BOOM PIVOT (2" x 10-15/16")	2	
	213 8930		except Canada		
	233 4710		CSA standards		
10	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	2	
11	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	2	
12	08-041100		RING, RETAINING (2")	4	
13	01-080008		PIN (includes cotter pin) (3/4" x 4")	1	
14	07-004152		CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)	8	
15	07-061022		WASHER, FLAT (3/4" SAE)	16	
16	07-050022		NUT, STOP (3/4"-10, Grade 5)	8	
17	03-493800		SWITCH, LIMIT (Side rotary, with 2 normally open, 2 normally closed contacts)	1	
18	03-494100		ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below)	1	
19	230 1360		ARM, LIMIT SWITCH (Stainless steel rod)	1	
20	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)	2	
	07-050011		NUT, STOP (#10-24, Grade 8)	2	
21	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1	
22	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item. 10 Ft [3.05 M] required this application)	A.R.	
23	10-060600		CLAMP	3	
24	07-050014		NUT, STOP (1/4"-20, Grade 8)	2	
TITLE			SUPERSTRUCTURE ASSEMBLY, AT60		
SECTION	02.	PLATE NO.	33	PAGE	01
REV.	-	DATED	22 APR, 1997	PART NO.	
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172		



Art # A02.27001E

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

TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

PART NO.

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DATED

02 APR, 1997

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01

PARTS LIST

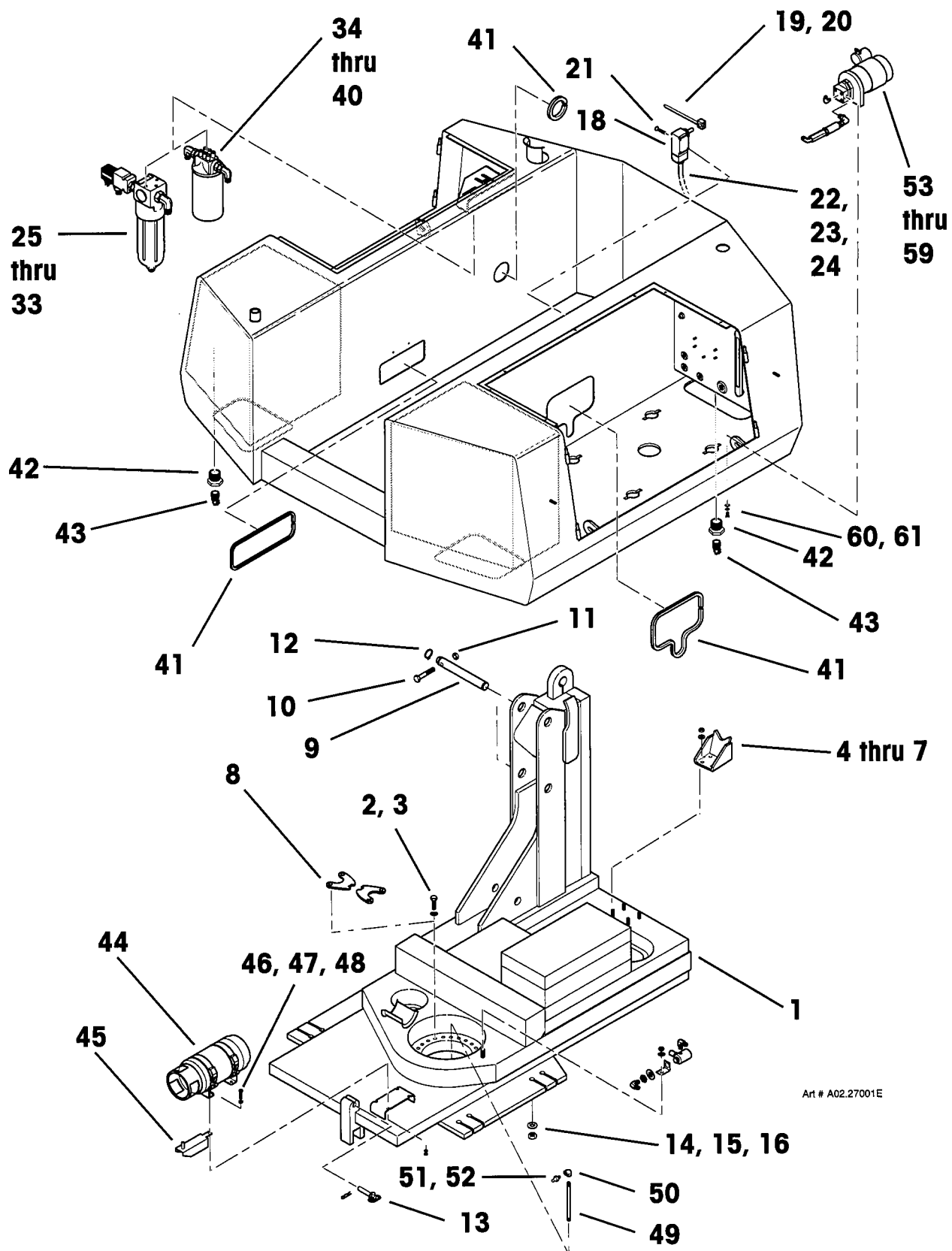
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	01-237500		SUPERSTRUCTURE GROUP (continued) FILTER, HYDRAULIC (High pressure, in line, 6000 psi [414 bar], non-bypass)	1
26	01-237501		ELEMENT, FILTER	1
27	06-045800		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
28	06-215200		ADAPTER, SWIVEL NUT (16 F650X-S)	1
29	06-041400		ADAPTER, "O"-RING TO 37° (16 F50X-S)	1
30	01-239400		VALVE, CARTRIDGE (On/ Off, with 10 Volt coil)	1
31	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	3
32	07-065016		WASHER, HELICAL LOCK (3/8")	3
33	07-062016		WASHER, FLAT (3/8")	3
34	01-238000		FILTER, HYDRAULIC (Return line)	1
35	01-238001		CANISTER, FILTER (with 10 micron element)	1
36	06-045800		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	2
37	06-092300		REDUCER/ EXPANDER, 20-16F50G5	2
38	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
39	07-065015		WASHER, HELICAL LOCK (5/16")	4
40	07-062015		WASHER, FLAT (5/16")	4
41	10-096800		EDGE GUARD, ROUTING	A.R.
42	11-062100		REDUCER	2
43	01-015800		PETCOCK	2
44	09-001500		PROPANE TANK	1
45	09-025100		BRACKET, PROPANE TANK	1
46	07-003045		CAP SCREW, HEX HEAD 3/8"-16 x 1"	4
47	07-062016		WASHER, FLAT 3/8"	8
48	07-050016		LOCK NUT 3/8"	4
49	11-085600		PIPE 1/8" x 10 x 10-1/2" LG	1
50	06-084600		ELBOW 1/8" DD	1
51	08-050000		GREASE FITTING, STRAIGHT	1
52	08-066300		CAP, GREASE FITTING (RED PLASTIC)	1
53	01-224900	12.12	PUMP, EMERGENCY HYDRAULIC (Heavy duty, 12 Volt DC electric motor)	1
54	06-096100		UNION (6 F50 F50-S)	1
55	01-226000		FILTER ASSEMBLY, SCREW-ON	1
56	01-226001		ELEMENT, FILTER	1
57	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
58	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
59	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
60	07-062016		WASHER, FLAT (3/8")	2
61	07-065016		WASHER, HELICAL LOCK (3/8")	2

TITLE

SUPERSTRUCTURE ASSEMBLY, AT60

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Simon Aerials Inc.
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Art # A02.27001E

Simon Aerials Inc.
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

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PARTS LIST

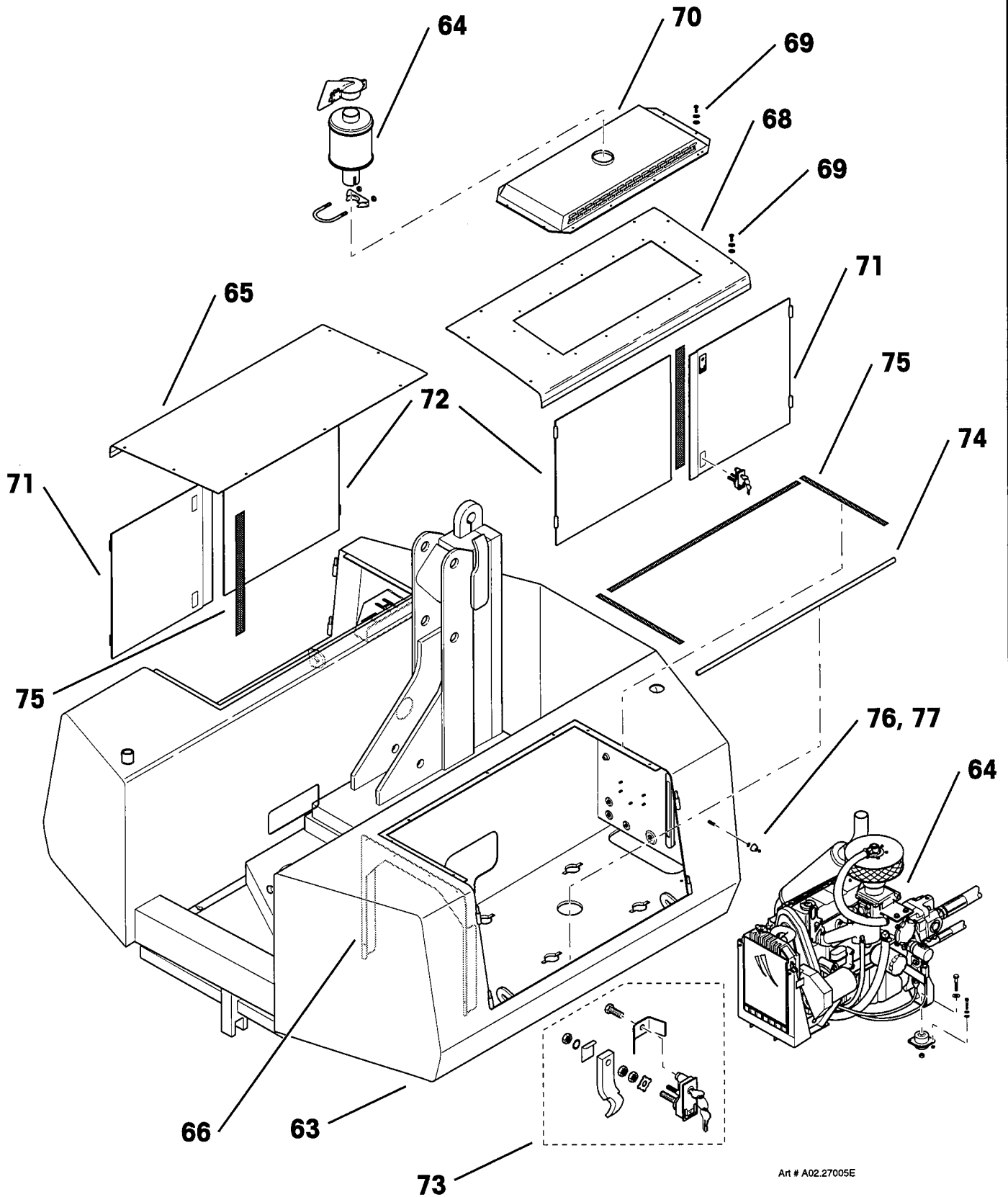
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
62	354 5230 354 5240	shown	ENGINE GROUP with Ford 2.3L liquid cooled gasoline engine with Ford 2.3L liquid cooled dual fuel engine	1
	354 5270 3549340 3548350		with Isuzu C-240 liquid cooled Diesel engine with Wisconsin 65 HP air cooled gas engine with Wisconsin 65 HP air cooled dual fuel engine	
	354 5260 354 5280 354 5250		with Detroit Diesel/ Perkins 104.22 liquid cooled engine with Hatz 3L40C air cooled Diesel engine with Deutz F4L 1011 air cooled Diesel engine	
63	call Simon 235 7550	shown	with engines other than those listed above MODULE WELDMENT with Ford 2.3L liquid cooled gas or dual fuel engine	1
	236 2630 235 7530 235 8990		with Wisconsin 65 HP liquid cooled gas or dual fuel engine with Detroit Diesel/ Perkins 104.22 liquid cooled engine with Hatz 3L40C air cooled Diesel engine	
	235 7540 235 7560 Call Simon		with Deutz F4L 1011 air cooled Diesel engine with Isuzu C-240 liquid cooled Diesel engine with engines other than those listed above	
64 65 66	See plate . .	08. - -	ENGINE ASSEMBLY SHEET METAL GROUP BULK HEAD, ENGINE AIR (on front of superstructure)	1
	219 3600 231 9410		(not shown) with Wisconsin 65 HP air cooled gas or dual fuel engine with Hatz 3L40C air cooled Diesel engine	1
	230 1850 231 9410 Call Simon		with Deutz F4L 1011 air cooled Diesel engine with Isuzu C-240 liquid cooled Diesel engine with engines other than those listed above	
67	2356810		PANEL, ROOF (Control side)	1

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SUPERSTRUCTURE ASSEMBLY, AT60

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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

PART
NO.

REV.

DATED

02 APR, 1997

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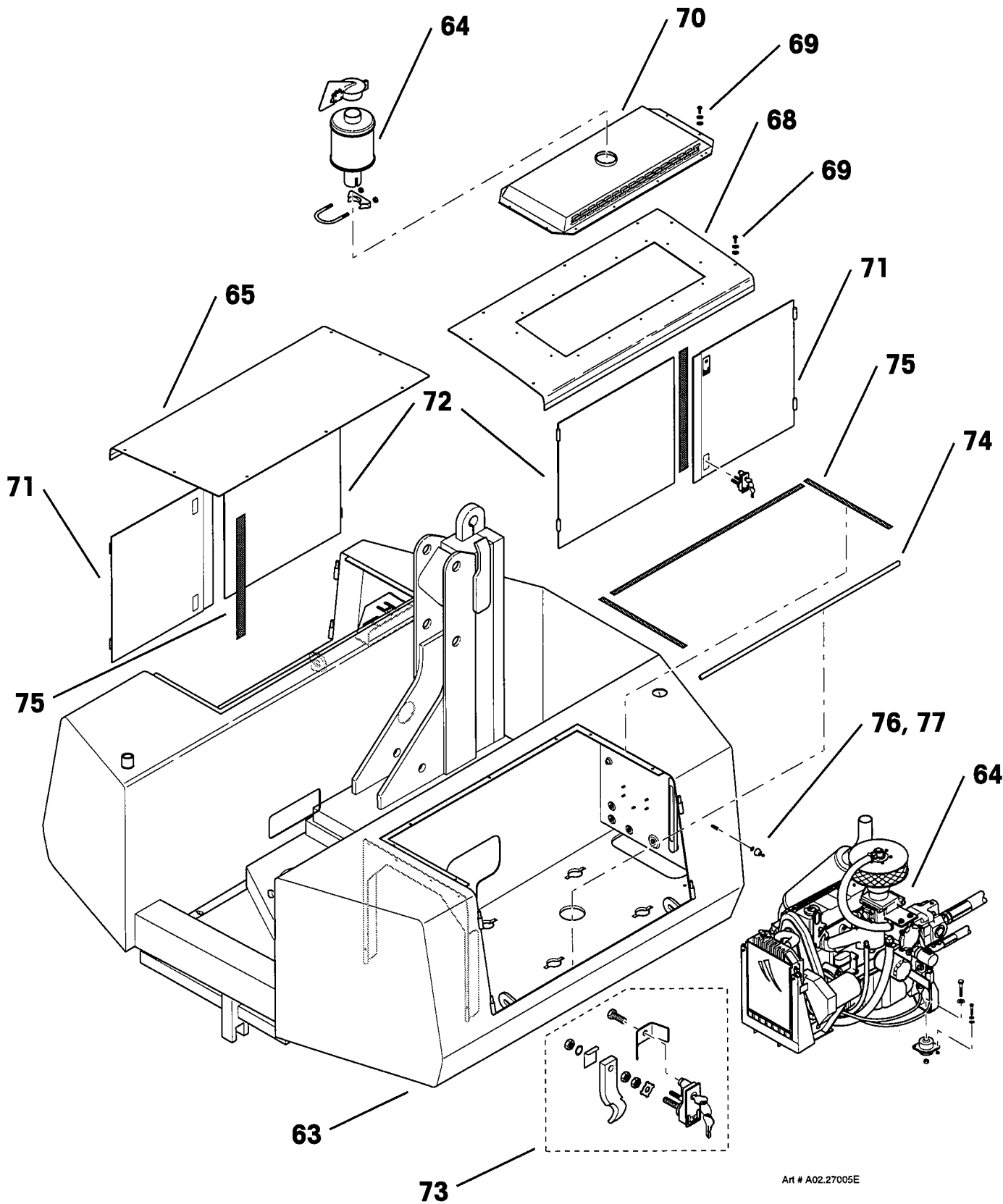
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Simon Aerials Inc.
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Art # A02.27005E

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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

PART
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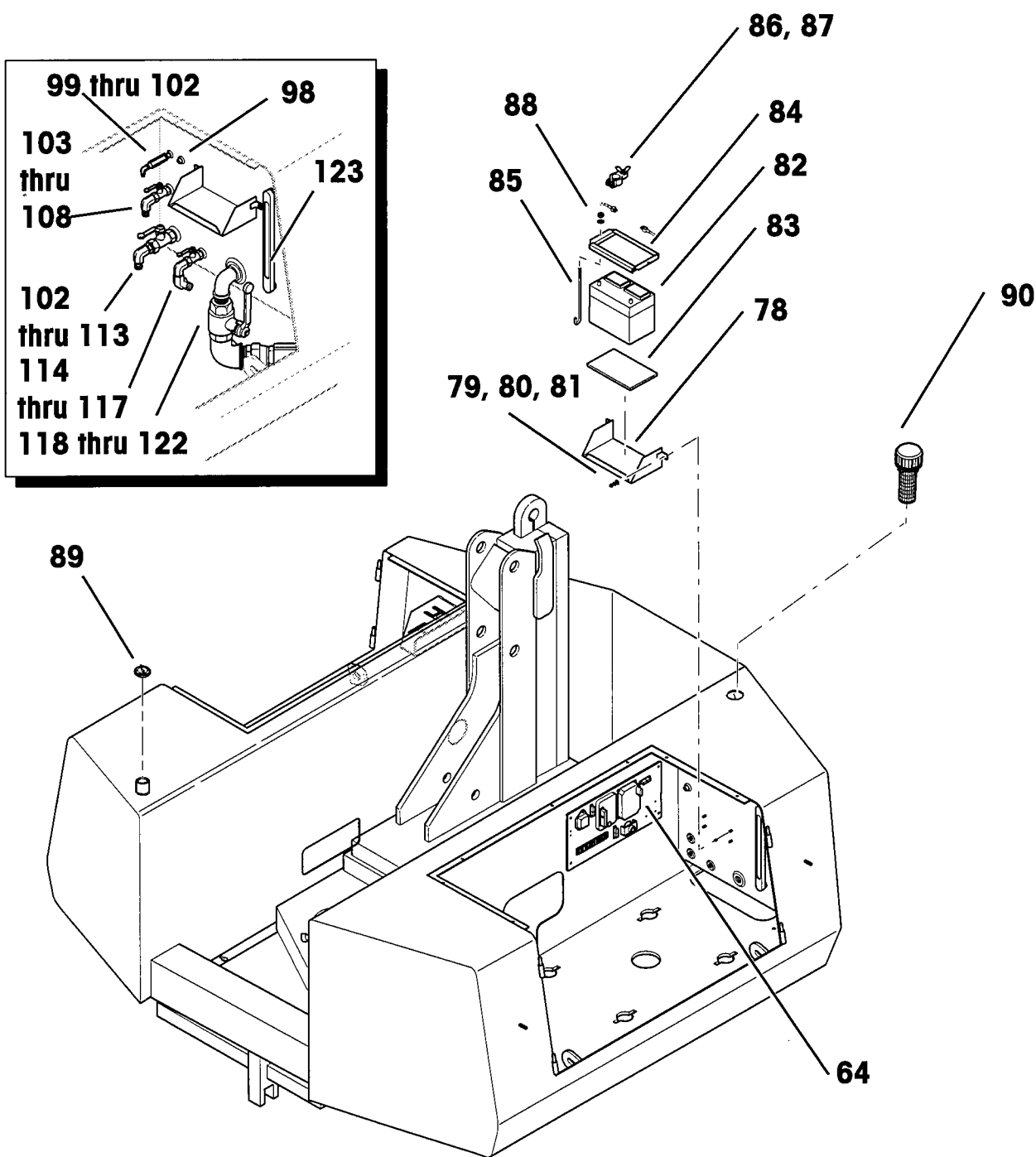
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
78	233 7600		TRAY, BATTERY	1
79	07-040016		NUT, HEX (3/8"-16, Grade 5)	3
80	07-065016		WASHER, HELICAL LOCK (3/8")	3
81	07-062016		WASHER, FLAT (3/8")	3
82	03-010001		BATTERY (12 Volt DC, 95 Amp)	1
83	10-112900		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene)	1
84	03-064300		HOLD DOWN, BATTERY	1
85	07-090111		"J"-BOLT (includes Wing Nut)	2
86	03-707100 Call Simon		CABLE, BATTERY (Positive, for battery on tank) Red, 98" (2.5 M) long (for Perkins engine) For applications other than as shown above	1
87	03-070100 Call Simon		CABLE, BATTERY (Negative, for battery on tank) Black, 12" (30 cm) long (for Perkins engine) For applications other than as shown above	1
88	03-487500		CONNECTOR, BATTERY LUG	A.R.
89	10-001900		CAP, FUEL TANK (Vented, anti-surge)	1
90	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1

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SUPERSTRUCTURE ASSEMBLY, AT60

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Art # A02.27002E

Simon Aerials Inc.
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

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NO.

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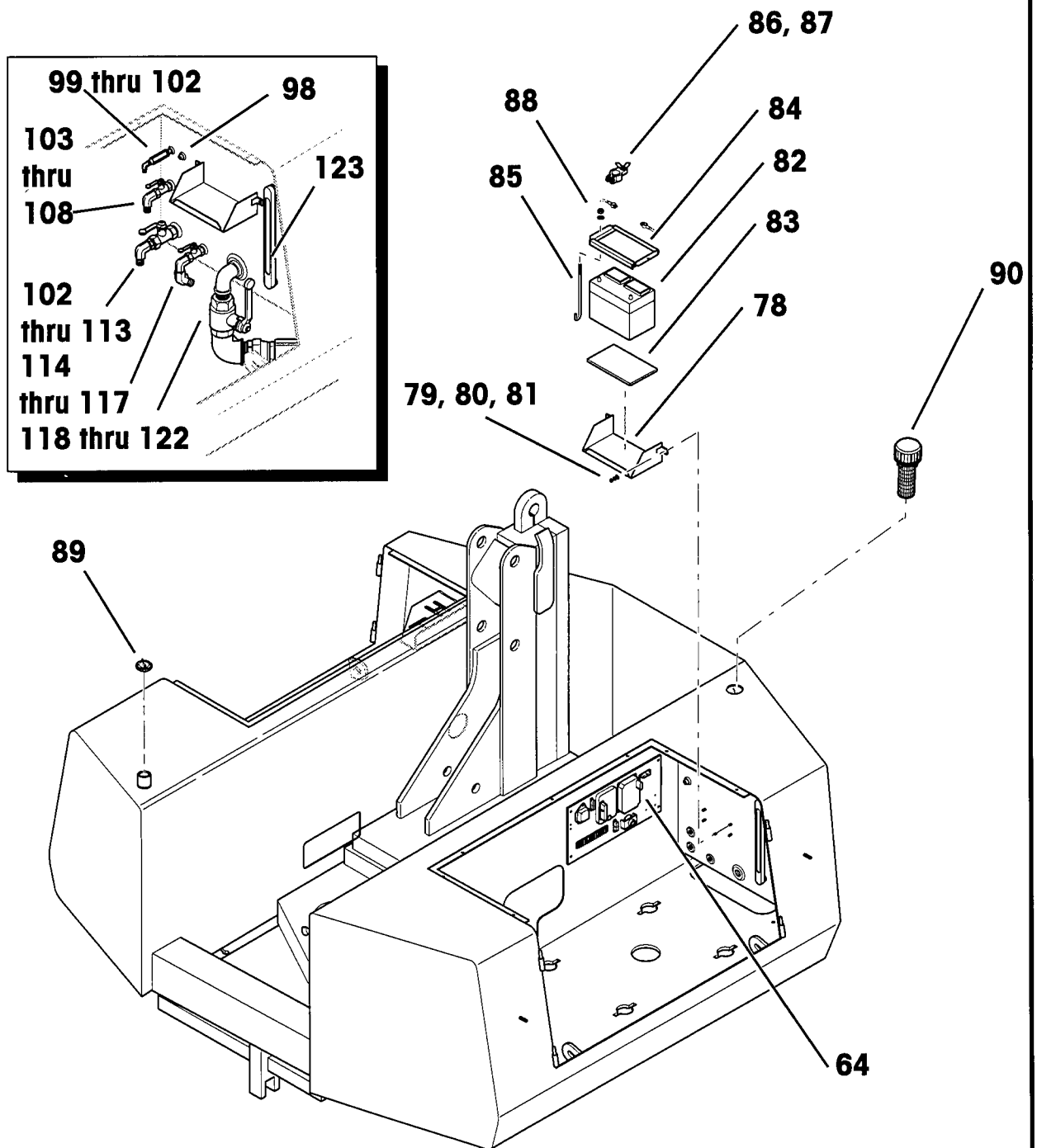
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
91	11-075400		Fitting for hydraulic tank, left hand 1/4" NPT port: PLUG, SQUARE HEAD (1/4" NPT)	1
92	06-000700		Fittings for hydraulic tank, right hand 1/4" NPT port: CONNECTOR, MALE (6 FTX-S)	1
93	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
94	01-020800		VALVE, CHECK 1	
95	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
96	11-062000		Fittings for hydraulic tank, upper 1" NPT port: BUSHING, REDUCER (1" to 3/4" NPT)	1
97	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
98	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	1
99	06-004900		90° ELBOW, MALE (12 CTX-S)	1
100	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	1
101	06-057800		NUT, TUBE (12 BTX-S)	1
			Fittings for hydraulic tank, lower 1" NPT port:	
102	11-020014		CLOSE NIPPLE (1" NPT)	1
103	01-068500		VALVE, BALL (Shutoff valve, 1" NPT)	1
104	06-005200		90° ELBOW, MALE (16 CTX-S)	1
105	06-055000		RUN TEE, 37° FEMALE SWIVEL NUT (16 R6X-S)	1
106	06-214200		45° ELBOW, SWIVEL NUT (16 V6X-S)	1
107	11-020010		Fittings for hydraulic tank, 3/4" NPT port: NIPPLE, STANDARD (3/4" NPT, 2" long)	1
108	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	1
109	06-004900		90° ELBOW, MALE (12 CTX-S)	1
110	06-053300		45° ELBOW, SWIVEL NUT (12 V6X-S)	1
111	11-071500		Fittings for hydraulic tank, 1-1/2" NPT port: REDUCER, BELL (1-3/4" NPT to 1-1/2" NPT)	1
112	11-050023		90° STREET ELBOW (1-1/2")	1
113	01-063000		VALVE, BALL (Shutoff valve, 1-1/2" NPT)	1
114	11-050023		90° STREET ELBOW (1-1/2") (with Perkins engine)	1
	Call Simon		For applications other than as shown above	1
115	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D., 1-1/2" long)	1
116	10-033800		GAUGE, SIGHT (14" [35.6 cm] long)	1

TITLE

SUPERSTRUCTURE ASSEMBLY, AT60

Simon Aerials Inc.
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Art # A02.27002E

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

PART
NO.

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DATED
02 APR, 1997

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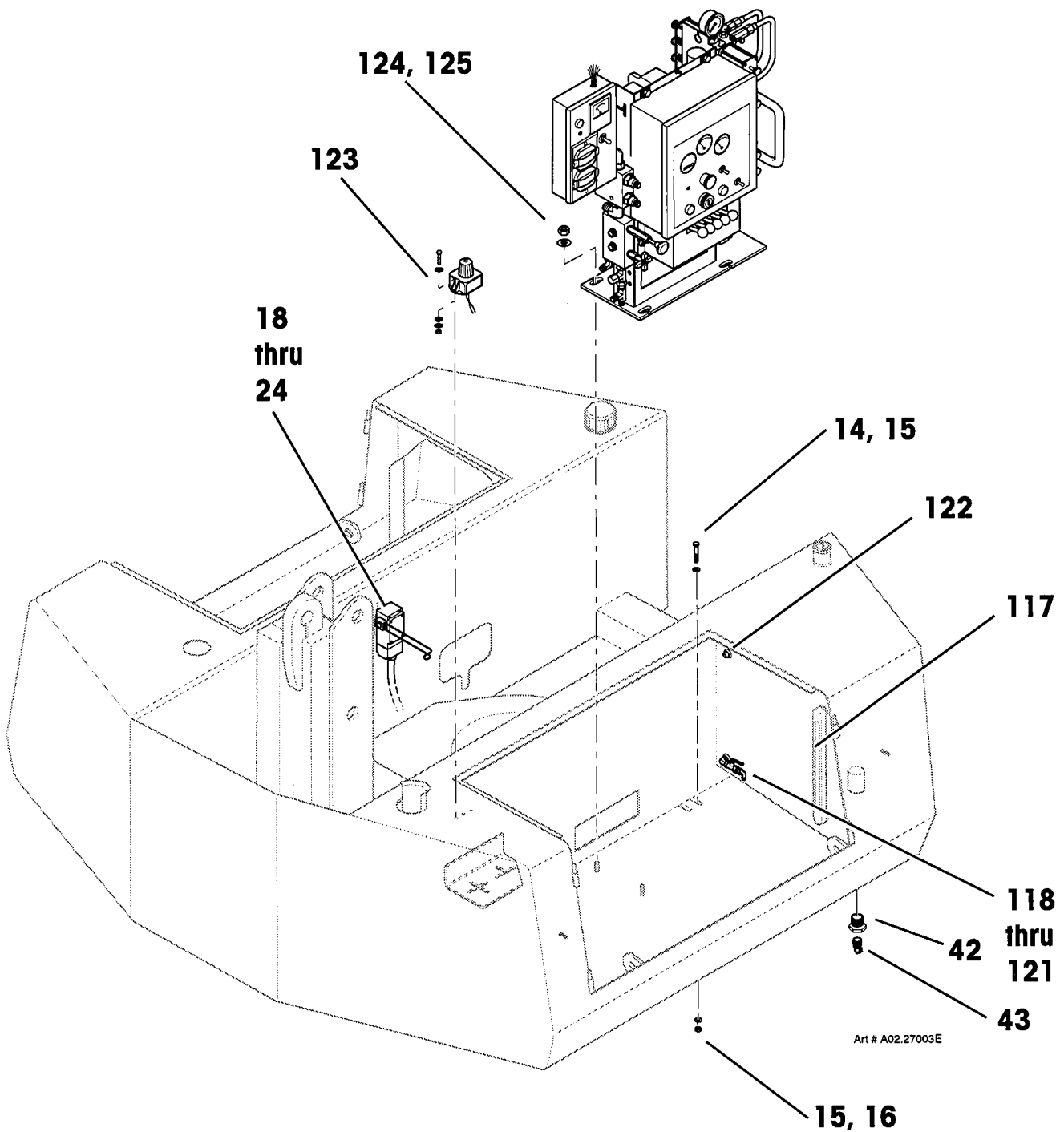
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Simon Aerials Inc.
10600 West Brown Deer Road
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Art # A02.27003E

Simon Aerials Inc.
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

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-

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02 APR, 1997

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
126	354 2530		GROUND CONTROL ASSEMBLY	1
127	230 8400		BRACKET, GROUND CONTROL	1
128	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
129	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
130	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
131	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
132	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
133	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
134	07-062014		WASHER, FLAT (1/4")	6
135	07-111600		WASHER, EXTERNAL TOOTH LOCK (1/4")	2
136	See plate . .	23. - -	MANIFOLD ASSEMBLY	1
137	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5?)	4
138	07-062018		WASHER, FLAT (1/2")	4
139	07-058400		NUT, HEX LOCK (1/2"-13, Grade 5?)	4
140	See plate . .	06. - -	GROUND VALVE ASSEMBLY	1
141	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5?)	4
142	07-062015		WASHER, FLAT (5/16"?)	4
143	07-065015		WASHER, HELICAL LOCK (5/16"?)	4
144	234 1920		COVER, GROUND CONTROL LEVER	1
145	07-062014		WASHER, FLAT (1/4"?)	4
146	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5?)	4
147	See plate . .	07.23	PANEL ASSEMBLY, GROUND ELECTRICAL	1
148	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
149	07-062015		WASHER, FLAT (5/16")	4
150	07-062014		WASHER, FLAT (1/4")	4
151	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
152	01-209800		MANIFOLD, BRAKE RELEASE	1
153			BODY, VALVE	1
154	01-209801		VALVE, NEEDLE	1
155			PUMP, HAND	1
156	01-209802		SEAL KIT, HAND PUMP	1
157	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	1
158	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
159	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
160	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	4
161	07-062015		WASHER, FLAT (5/16")	8

TITLE

SUPERSTRUCTURE ASSEMBLY, AT60

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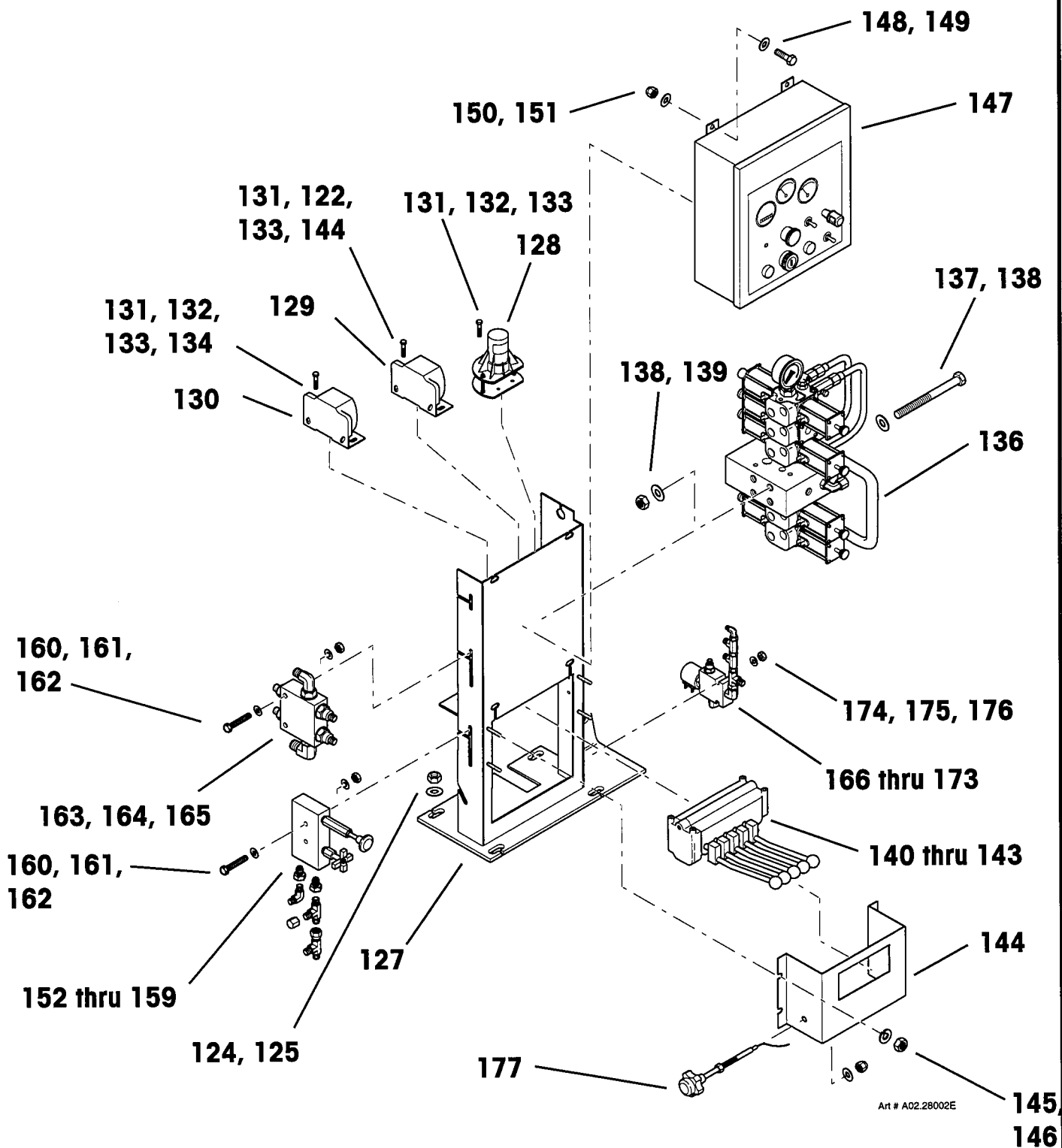
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DATED

22 APR, 1997

PART NO.

Simon Aerials Inc.
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

PART NO.

REV.

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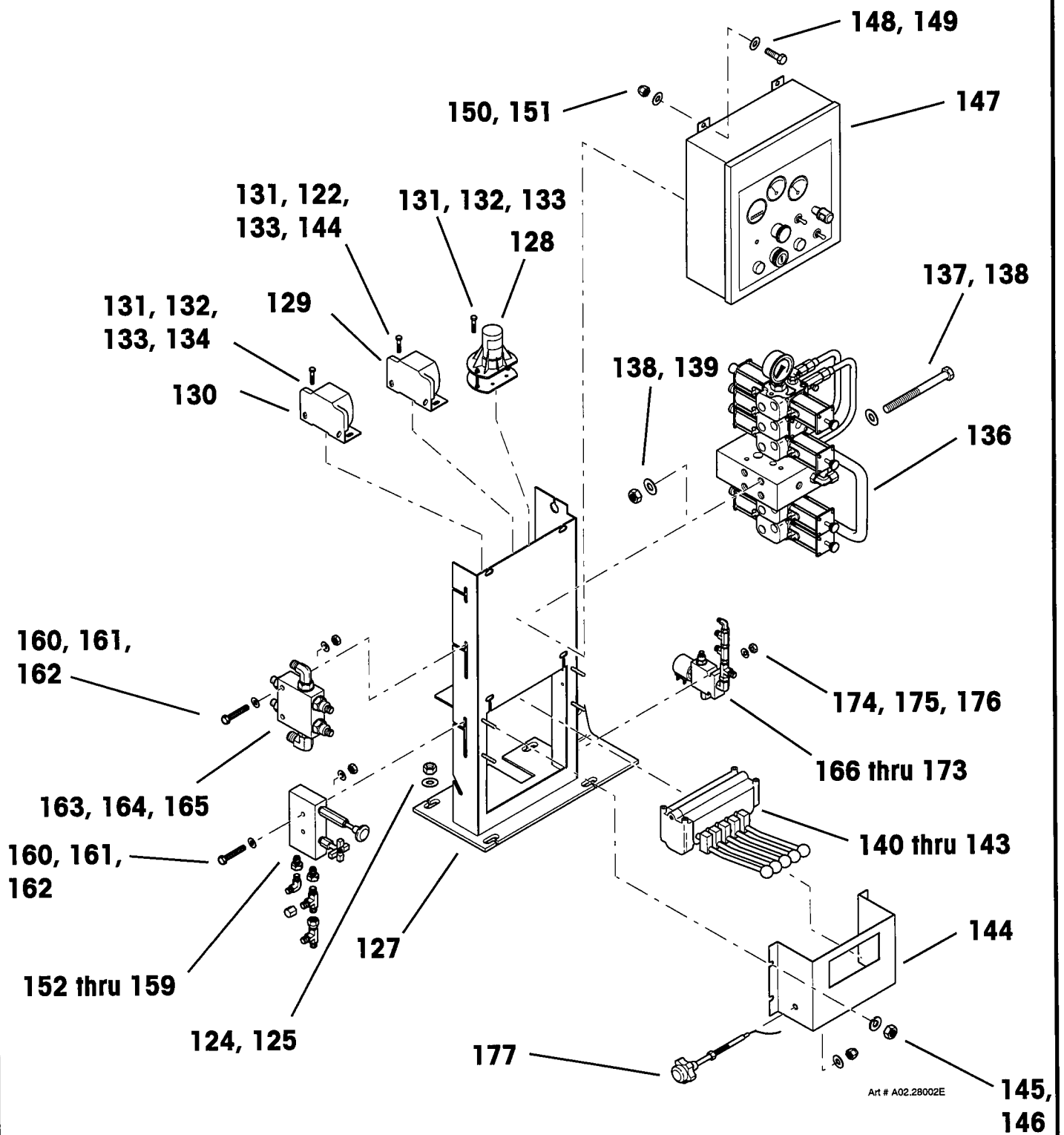
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TITLE

SUPERSTRUCTURE ASSEMBLY, AT 60

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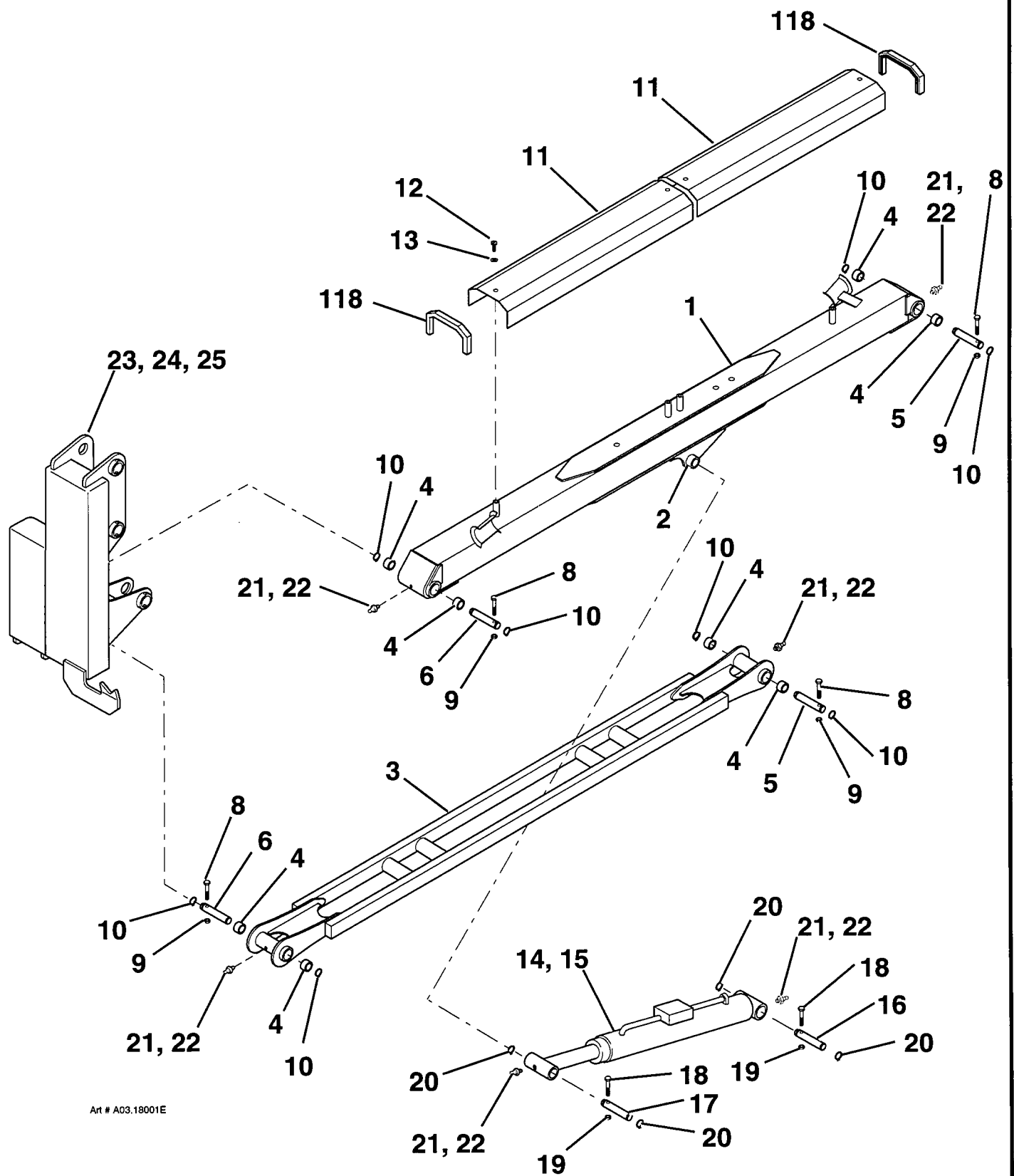
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPT
1	234 2550 233 4890		BOOM WELDMENT, LOWER For versions with Full Hydraul For versions with Electro-Proc
2	215 0060		COLLAR, PIN LOCK (1-3/4")
3	214 3470		ARM, PARALLEL
4	08-076300		BUSHING, BRONZE (2" I.D. x
5	213 8930 233 4710		PIN, LOWER BOOM PIVOT (2 except Canada CSA standards
6	213 8930 233 4710		PIN, LOWER BOOM PIVOT (2 CSA standards
7	213 8900		COLLAR, PIN LOCK (2") (Not
8	07-003096		CAP SCREW, HEX HEAD (1/2
9	07-058400		NUT, LOCK (1/2"-13, Grade 8
10	08-041100		RING, RETAINING (2")
11	233 5040		HOSE COVER, LOWER BOO
12	07-096400		CAP SCREW, BUTTON HEAD
13	07-060016		WASHER, FLAT (3/8" SAE)
14	See plate . . See plate . .	11.28 11.16	CYLINDER, LOWER BOOM L CYLINDER, LOWER BOOM L
15	06-044700		90° ELBOW, STRAIGHT THR
16	214 4940 233 4750		PIN, LIFT CYLINDER (1-3/4") CSA standards
17	214 9970 233 4760		PIN, LIFT CYLINDER (1-3/4" CSA standards
18	07-003095		CAP SCREW, HEX HEAD (1/2
19	07-058400		NUT, LOCK (1/2"-13, Grade 8
20	08-041000		RING, RETAINING (1-3/4")
21	08-050000 08-051300		FITTING, GREASE (1/8", Stra FITTING, GREASE (1/8", 90°)
22	08-066300		CAP, GREASE FITTING
23			MID POST WELDMENT (inclu First type (Upper boom rest i With 3" (76 mm) Hose Cup With 4" (102 mm) Hose Cu Second type (Upper boom re
24	213 8900		COLLAR, PIN LOCK (2")
25	214 4330		COLLAR, PIN LOCK (1-1
26	234 5840		REST, UPPER BOOM (Bolts 1
27	----- -----		BOLT, UPPER BOOM REST NUT, UPPER BOOM REST

TITLE BOOM ASSEMBLY, AT 60 (PLATE 1 OF

PLATE NO. 03.18 SIMON AERIALS INC.



TITLE BOOM ASSEMBLY, AT 60 (PLATE 1 OF 5 . . . LOWER BOOM)

SIMON AERIALS INC.

REV 7 MAY, 1997

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PARTS LIST

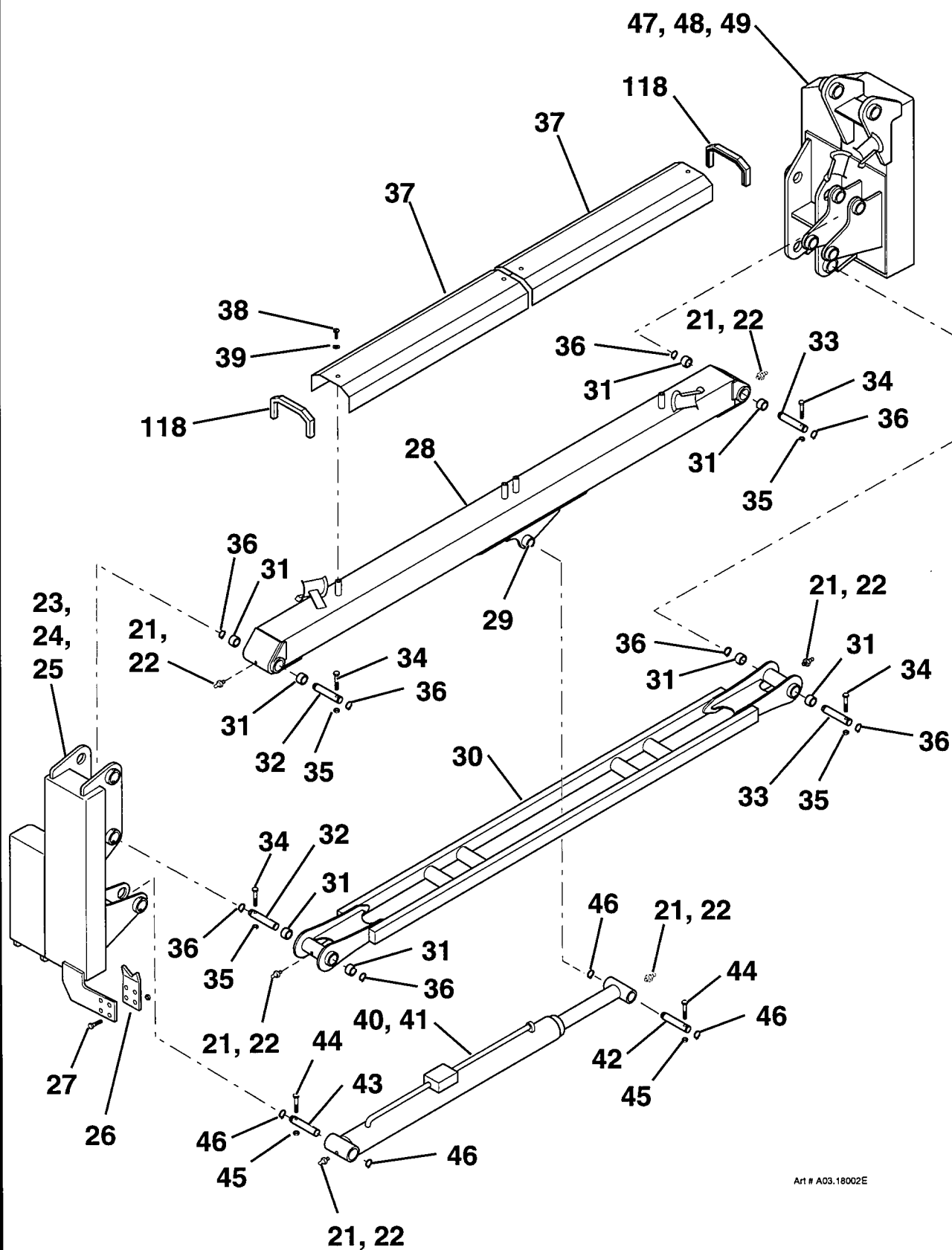
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	234 2560 233 4900		BOOM WELDMENT, MIDDLE For versions with Full Hydraulic operating system For versions with Electro-Proportional operating system	1
29	214 4330		COLLAR, PIN LOCK (1-1/2")	1
30	214 3470		ARM, PARALLEL	1
31	08-076300		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8
32	213 8930 233 4710		PIN, MIDDLE BOOM PIVOT (2" x 10-15/16") (Lower end) CSA standards	2
33	213 8930 233 4710		PIN, MIDDLE BOOM PIVOT (2" x 10-15/16") (Upper end) CSA standards	2
34	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	4
35	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
36	08-041100		RING, RETAINING (2")	8
37	233 5040		HOSE COVER, MIDDLE BOOM	2
38	07-096400		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Stainless Stl.)	4
39	07-060016		WASHER, FLAT (3/8" SAE)	4
40	See plate . .	11.29 11.15	CYLINDER, MIDDLE BOOM LIFT (later version) CYLINDER, MIDDLE BOOM LIFT (earlier version)	1
41	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
42	214 4610 233 4730		PIN, LIFT CYLINDER (1-1/2" x 7-15/32") (base end) CSA standards	1
43	214 4620 233 4740		PIN, LIFT CYLINDER (1-1/2" x 5-15/32") (rod end) CSA standards	1
44	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
45	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
46	08-040900		RING, RETAINING (1-1/2")	4
47			UPPER POST WELDMENT (includes pin lock collars)	1
	233 7550 214 4110		With 3" (76 mm) Hose Cup (some earlier versions) With 4" (102 mm) Hose Cup (later versions)	
48	213 8900		COLLAR, PIN LOCK (2")	3
49	213 8750		COLLAR, PIN LOCK (1-1/4")	1
73	08-040700		RING, RETAINING (1-1/4")	3
74	08-068800		CARRIER, HOSE (metal track, 19 link)	1
75	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	8
76	07-060016		WASHER, FLAT (3/8" SAE)	8

TITLE BOOM ASSEMBLY, AT 60 (PLATE 2 OF 5 . . . MIDDLE BOOM)

PLATE NO. 03.18 **SIMON AERIALS INC.**

REV 7 MAY, 1997

PART NO.



Art # A03.18002E

TITLE BOOM ASSEMBLY, AT 60 (PLATE 2 OF 5 ... MIDDLE BOOM)

SIMON AERIALS INC.

REV 7 MAY, 1997

PART
NO.

PLATE
NO.

03.18

PARTS LIST

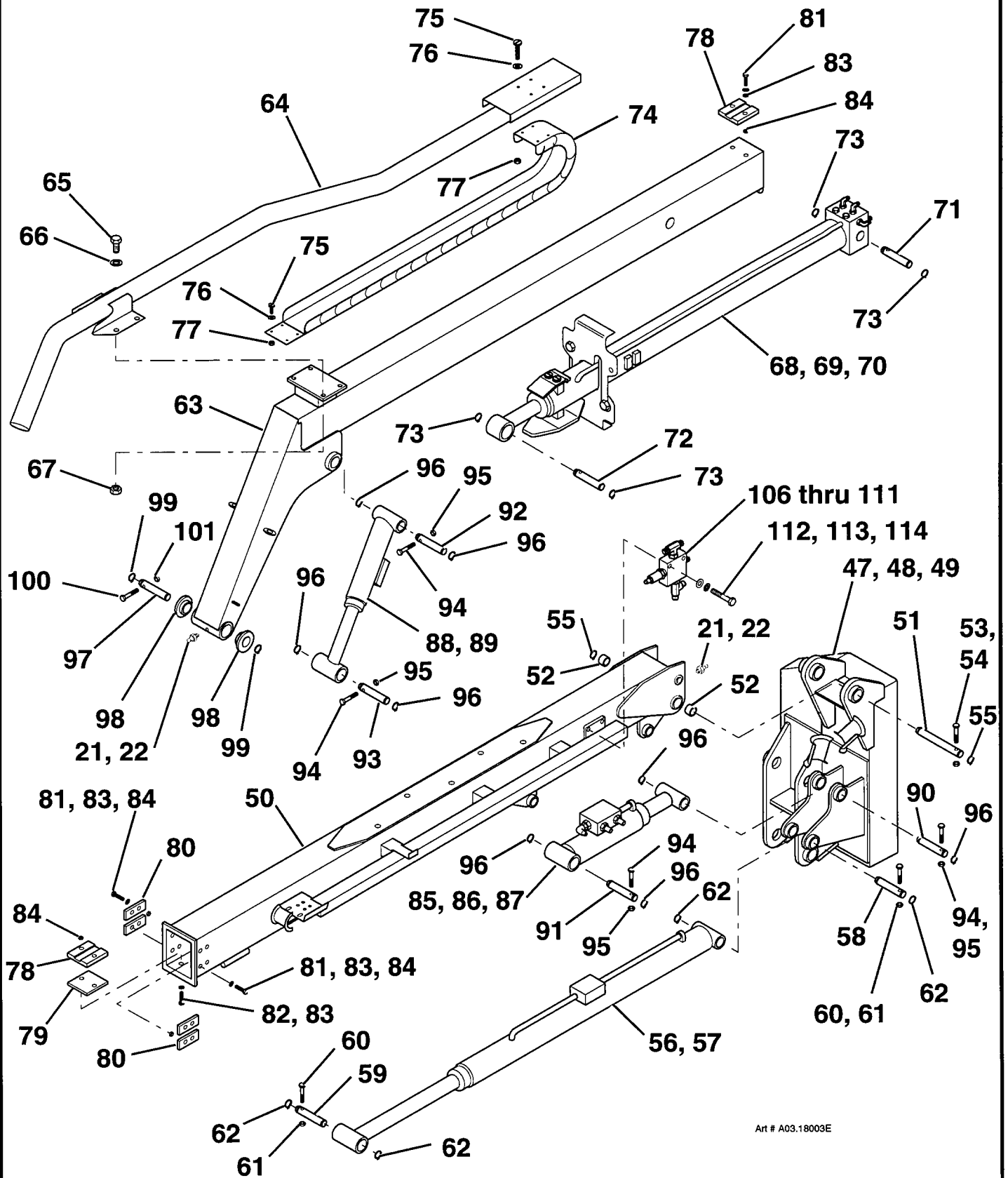
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50	234 2480 233 4130		BOOM WELDMENT, UPPER BASE For versions with Full Hydraulic operating system For versions with Electro-Proportional operating system	1
51	215 4350 233 4780		PIN, UPPER BOOM PIVOT (2" x 12-13/16") CSA standards	1
52	08-076300		BUSHING, BRONZE (2" I.D., 2-3/8" O.D., 2" long)	2
53	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
54	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
55	08-041100		RING, RETAINING (2")	2
56	See plate . . .	11.29 11.15	CYLINDER, UPPER BOOM LIFT (later version) CYLINDER, UPPER BOOM LIFT (earlier version)	1
57	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
58	214 4610 233 4730		PIN, LIFT CYLINDER (1-1/2" x 7-15/32") (base end) CSA standards	1
59	214 4620 233 4740		PIN, LIFT CYLINDER (1-1/2" x 5-15/32") (rod end) CSA standards	1
60	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
61	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
62	08-040900		RING, RETAINING (1-1/2")	4
63	233 4100		BOOM WELDMENT, TIP	1
64			ANCHOR WELDMENT, MOVING	1
	234 6680		For versions with Full Hydraulic operating system (replaces 234 2530)	
	234 6700		For versions with Electro-Proportional operating system (replaces 215 2060)	
65	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
66	07-060018		WASHER, FLAT (1/2" SAE)	8
67	07-050018		NUT, LOCK (1/2"-13, Grade 5)	4
68	04-033000	11.30 11.14	CYLINDER, TELESCOPE (later version) CYLINDER, TELESCOPE (earlier version)	1
69	06-040200		ADAPTER, "O"-RING TO 37° (8-6 F50X-S)	2
70	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
71	213 8960		PIN, TELESCOPE CYLINDER (1-1/4" x 9-3/8") (base end)	1
72	232 3500 213 9020 232 3540		CSA standards PIN, TELESCOPE CYLINDER (1-1/4" x 4-7/8") (rod end) CSA standards	1

TITLE BOOM ASSEMBLY, AT 60 (PLATE 3 OF 5 . . . UPPER BOOM)

PLATE NO. 03.18 **SIMON AERIALS INC.**

REV 7 MAY, 1997

PART NO.



Art # A03.18003E

TITLE BOOM ASSEMBLY, AT 60 (PLATE 3 OF 5 ... UPPER BOOM)

SIMON AERIALS INC.

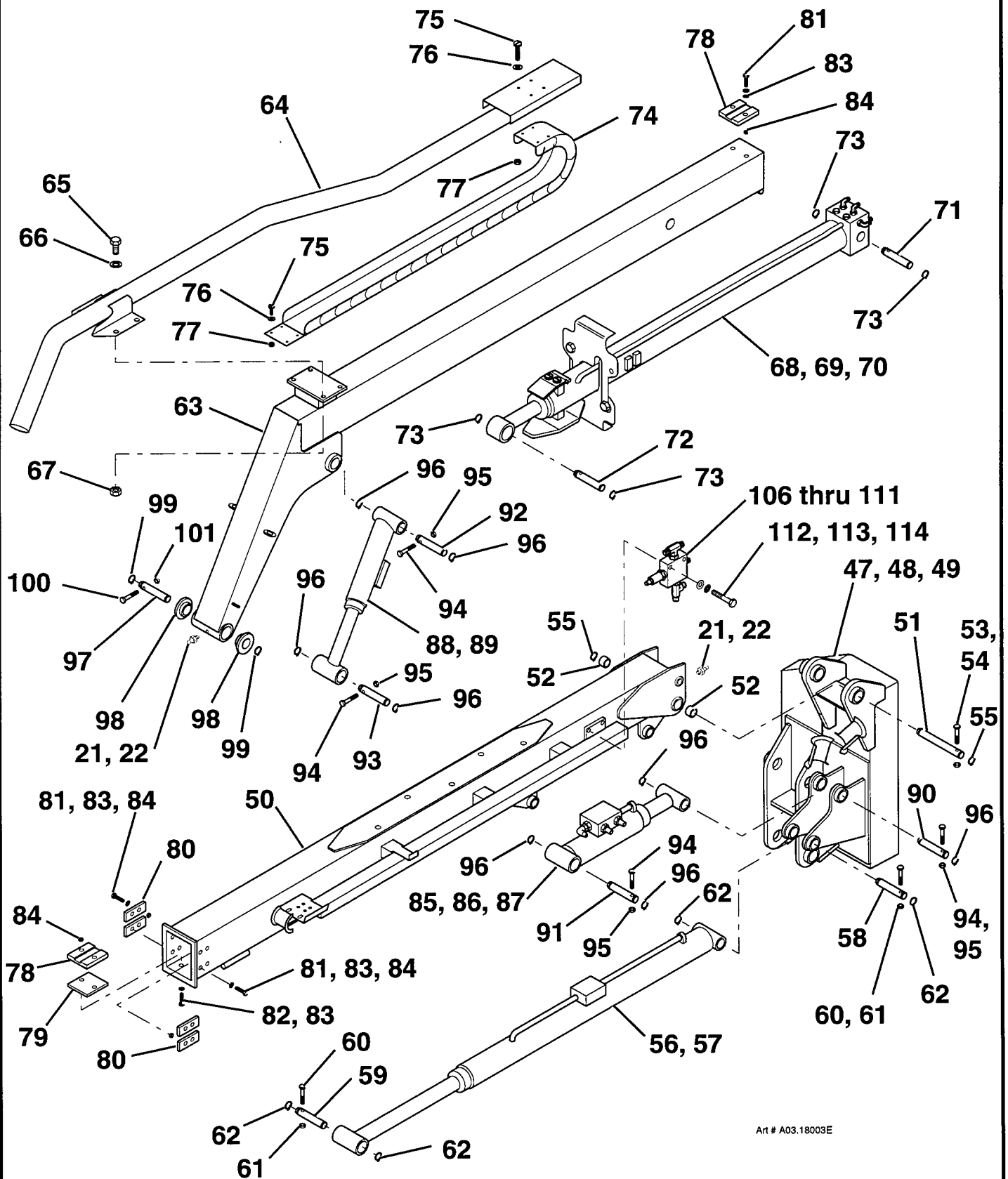
REV 7 MAY, 1997

PART
NO.

PLATE
NO.

03.18

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
77	07-050016		NUT, STOP (3/8"-16)	8
78	206 8677		PAD, UPPER AND LOWER WEAR (6" x 6-5/8")	2
79	213 8250		SPACER, LOWER WEAR PAD	1
80	207 0357		PAD, SIDE WEAR (2-1/2" x 4-1/2")	4
81	07-003084		SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10
82	07-003086		SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
83	07-065018		WASHER, LOCK (1/2")	12
84	07-047018		NUT, JAM (1/2"-13)	12
85	04-056300	11.31	CYLINDER, MASTER LEVELING (later version)	1
	04-032600	11.06	CYLINDER, MASTER LEVELING (earlier version)	
86	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	1
87	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
88	04-056400	11.32	CYLINDER, SLAVE LEVELING (later version)	1
	04-032700	11.07	CYLINDER, SLAVE LEVELING (earlier version)	
89	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
90	215 1740		PIN, MASTER LEVEL CYLINDER (1-1/4" x 7-7/16") (base end)	1
	233 4770		CSA standards	
91	213 9010		PIN, MASTER LEVEL CYLINDER (1-1/4" x 5-7/16") (rod end)	1
	233 4720		CSA standards	
92	213 8990		PIN, SLAVE LEVEL CYLINDER (1-1/4" x 7-3/16") (base end)	1
	232 3530		CSA standards	
93	213 8980		PIN, SLAVE LEVEL CYLINDER (1-1/4" x 8") (rod end)	1
	232 3520		CSA standards	
94	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	4
95	07-050016		NUT, STOP (3/8"-16)	4
96	08-040700		RING, RETAINING (1-1/4")	8
97	213 8950		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8")	1
	232 3550		CSA standards	
98	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 1-1/2" long)	2
99	08-040700		RING, RETAINING (1-1/4")	2
100	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	1
101	07-050016		NUT, STOP (3/8"-16)	1
102	06-036300		RUN TEE, BULKHEAD (4 WJJTX-WLN)	2
103	10-108200		CLAMP (2 hole, #4)	1
104	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
TITLE BOOM ASSEMBLY, AT 60 (PLATE 4 OF 5 . . . UPPER BOOM)				
PLATE NO.	03.18	SIMON AERIALS INC.		PART NO.
REV 7 MAY, 1997				



Art # A03.18003E

TITLE BOOM ASSEMBLY, AT 60 (PLATE 4 OF 5 . . . UPPER BOOM)

SIMON AERIALS INC.

REV 7 MAY, 1997

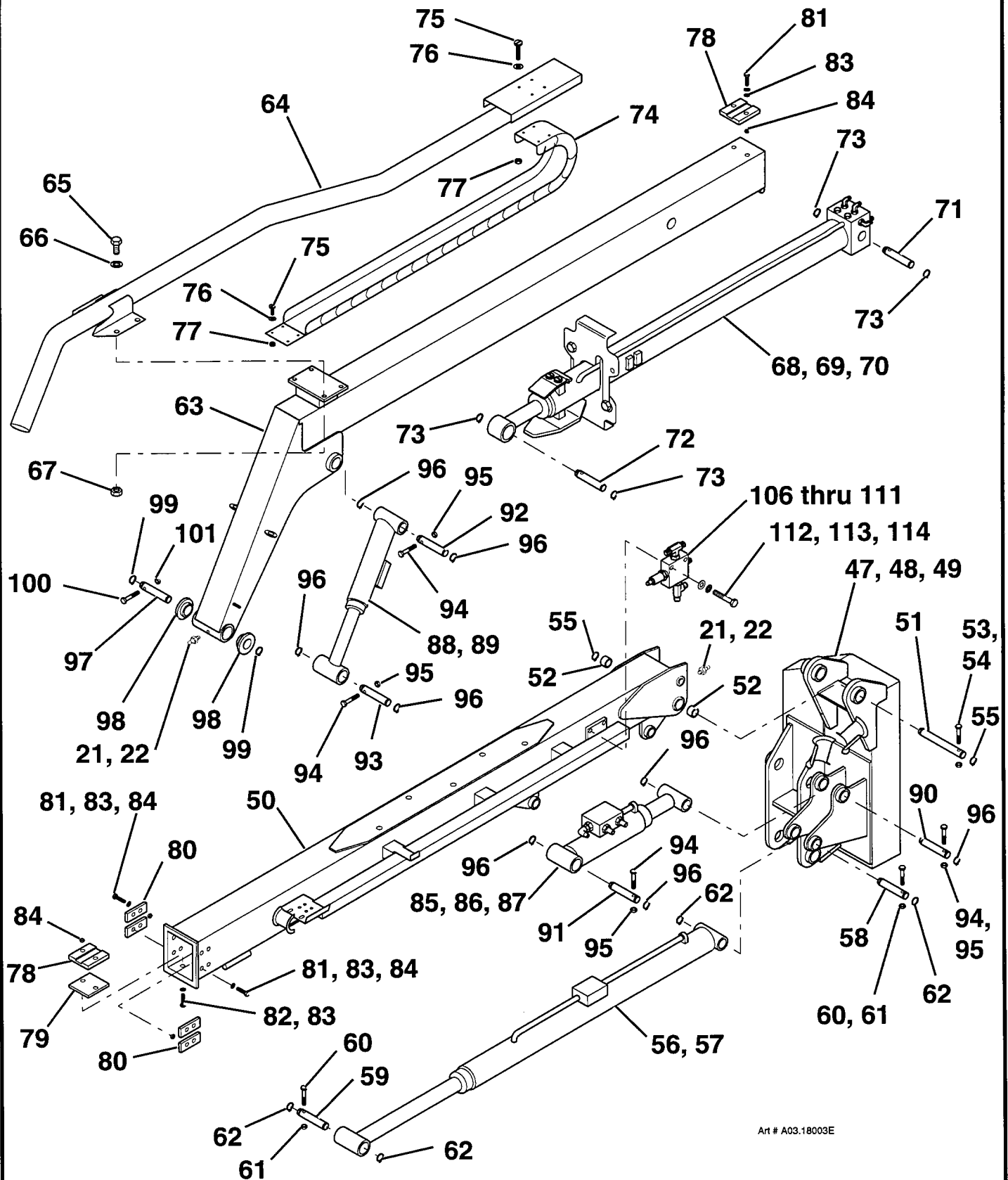
PART
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03.18

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REV 7 MAY, 1997



TITLE

BOOM ASSEMBLY, AT 60 (PLATE 5 OF 5 ... UPPER BOOM)

SIMON AERIALS INC.

REV 7 MAY, 1997

PART
NO.

PLATE
NO.

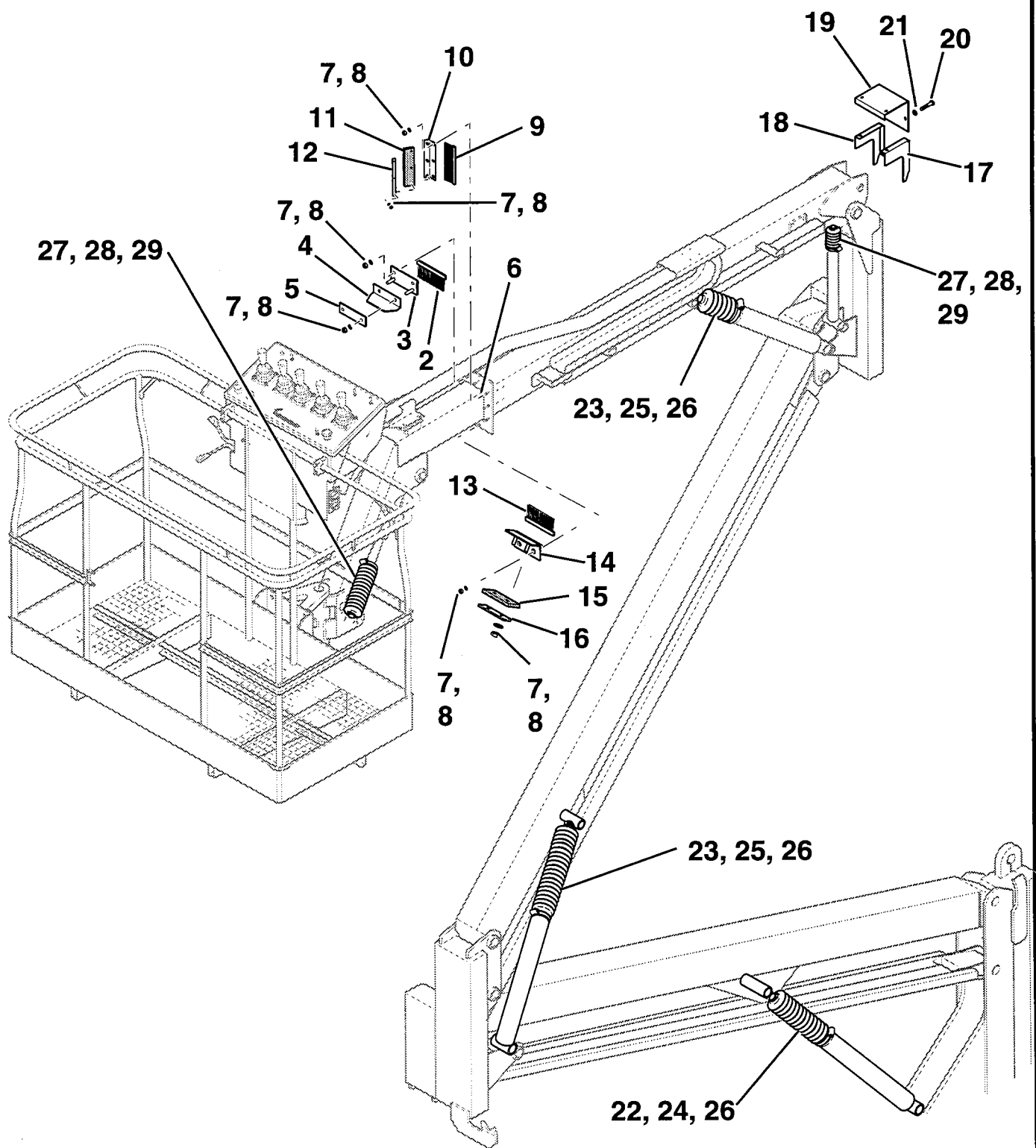
03.18

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	233 6100		BOOM BRUSH PACKAGE, AT 60	1
2	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 M] long section. Cut to fit. 8-1/2" (216 mm) wide piece needed here.)	1
3	233 6110		BRACKET, UPPER BRUSH	1
4	233 6130		SCRAPER, BOOM SEAL (Brass)	1
5	233 6140		CLAMP, UPPER BRUSH (Steel)	1
6	07-031023		STUD, WELD (3/8"-16 x 1-1/2")	10
7	07-050016		NUT, LOCK (3/8"-16, Grade 5)	20
8	07-062016		WASHER, FLAT (3/8")	20
9	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 M] long section. Cut to fit. 8-3/4" [222 mm] wide piece needed here.)	2
10	231 7580		BRACKET, SIDE BRUSH	2
11	231 7830		WIPER, SIDE BOOM SEAL (Rubber, 8-3/4" [222 mm] wide)	2
12	2098510		CLAMP, SIDE BOOM SEAL WIPER (Steel, 8-3/4" [222 mm] wide)	2
13	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 M] long section. Cut to fit. 5" [127 mm] wide piece needed here.)	1
14	233 6150		BRACKET, LOWER BRUSH	1
15	233 6170		WIPER, LOWER BOOM SEAL (Rubber, 5" [127 mm] wide)	1
16	233 6180		CLAMP, LOWER BOOM SEAL WIPER (Steel, 5" [127 mm] wide)	1
17	233 6230		BRACKET, BOOM FOOT COVER (Right)	1
18	233 6240		BRACKET, BOOM FOOT COVER (Left)	1
19	233 6250		COVER, BOOM FOOT	1
20	07-017002		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8")	4
21	07-062014		WASHER, FLAT (1/4")	4

TITLE BOOM ITEMS FOR HOSTILE ENVIRONMENT, AT 60 (PLATE 1 OF 2)

PLATE NO.	03.48	SIMON AERIALS INC.	NEW 12 APR., 1995	PART NO.
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Art # A03.48001E

TITLE BOOM ITEMS FOR HOSTILE ENVIRONMENT, AT 60 (PLATE 1 OF 2)

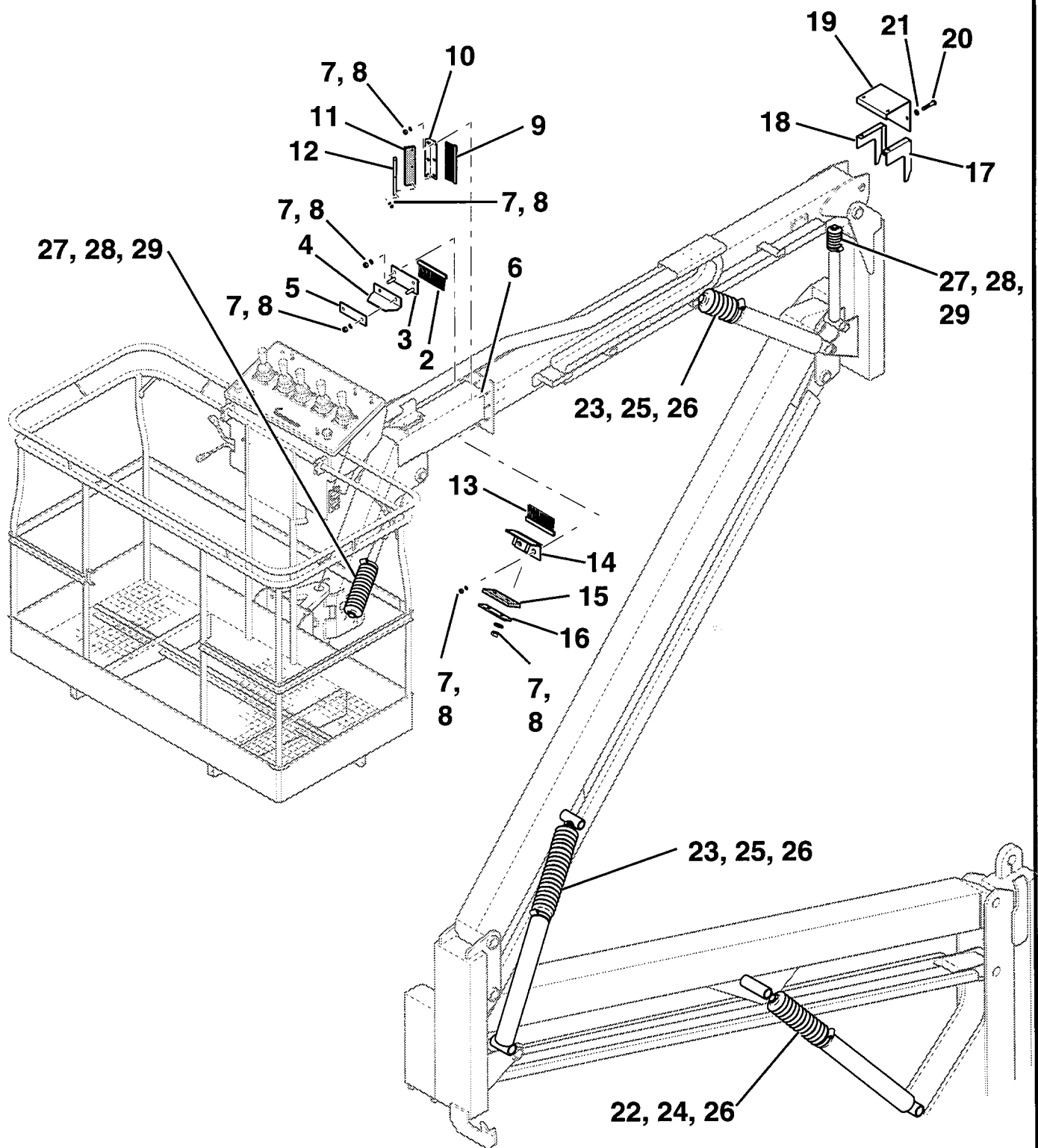
SIMON AERIALS INC.

NEW 12 APR., 1995

**PART
NO.**

**PLATE
NO. 03.48**

[illegible]PART
NO.



Art # A03.48001E

TITLE BOOM ITEMS FOR HOSTILE ENVIRONMENT, AT 60 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 12 APR., 1995

PART
NO.

PLATE
NO. 03.48

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 3340		PLATFORM ASSEMBLY: With Full Hydraulic control system: 30" x 60" (.76 M x 1.52 M)	
	354 0010		With Electro-Proportional control system: 30" x 60" (.76 M x 1.52 M)	
1	232 5630		PLATFORM WELDMENT With Full Hydraulic control system: 30" x 60" (.76 M x 1.52 M)	1
	233 1060		With Electro-Proportional control system: 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	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 HEAD (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	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	03-045000		BUSHING, REDUCER (3/4" to 1/2")	1
22	03-063300		GRIP, CORD (90°, 1/2", sealing)	1
23	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) [Bulk item, 6 Ft (1.8 M) required this application]	A.R.
24	03-091200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	3
25	03-091700		TERMINAL, SPADE (locking, #6 stud, #10-#12 AWG)	1
26	03-439000		TIE, CABLE [3-5/8" (92 mm) long]	5
27	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
28	07-065014		WASHER, HELICAL LOCK (1/4")	3

TITLE

PLATFORM ASSEMBLY (PLATE 1 OF 3)

PLATE
NO.

04.22

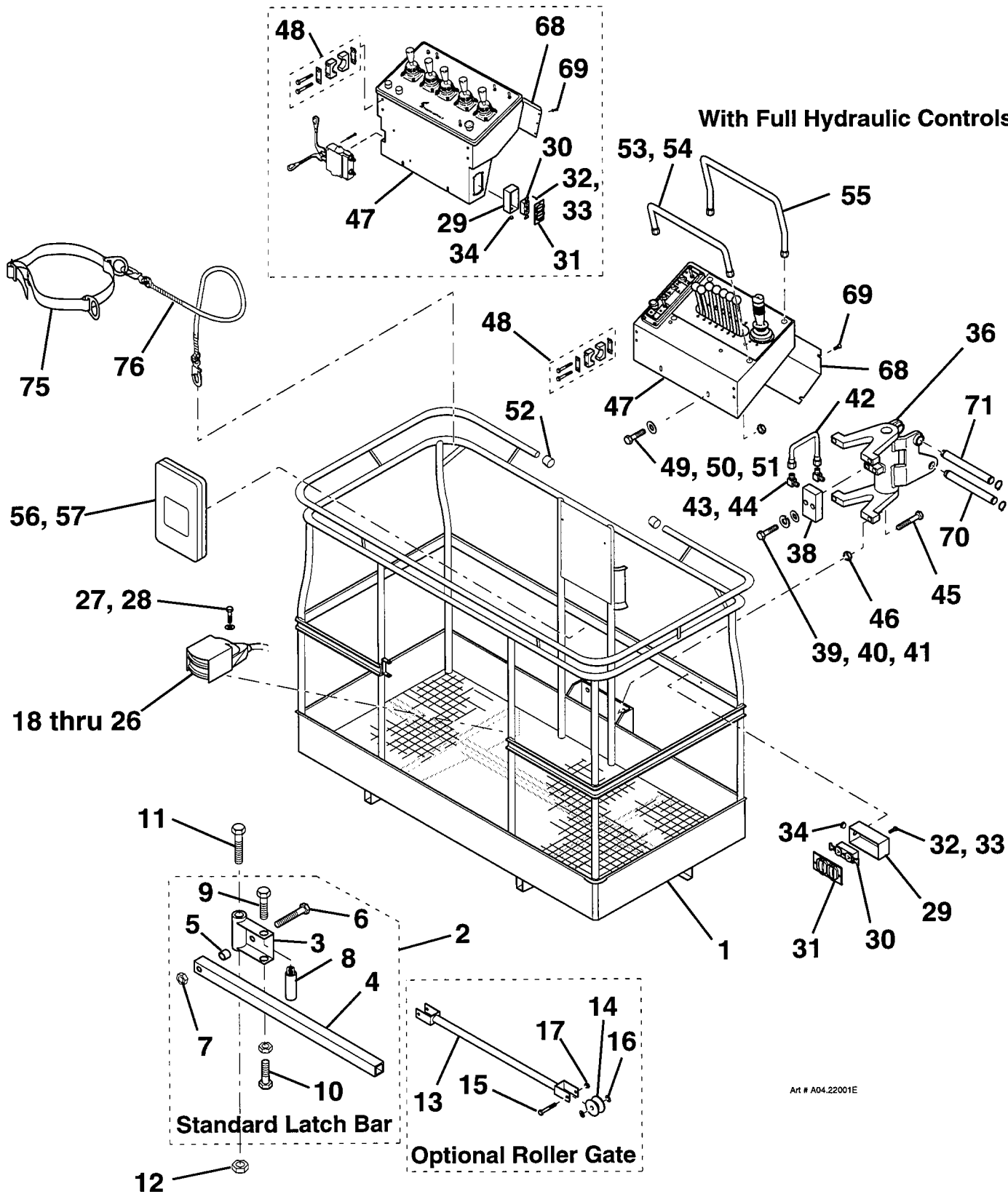
SIMON AERIALS INC.

REV. 9 MAY, 1997

PART
NO.

With Electro-Proportional Controls

With Full Hydraulic Controls



Art # A04.22001E

TITLE

PLATFORM ASSEMBLY (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 9 MAY, 1997

PART
NO.

PLATE
NO.

04.22

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
29	03-062100		BOX, DUPLEX OUTLET	1
30	03-067000		OUTLET, DUPLEX (125 Volt AC, 20 Amp)	1
31	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
32	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", Stn. Stl)	2
33	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
34	03-041000		GRIP, CORD (1/2", with 3/8" - 7/16" seal)	1
35	352 5790		ROTARY ACTUATOR ASSEMBLY	1
36	02-023700	21.02	ACTUATOR, ROTARY	1
37	06-044300		90° ELBOW, STRAIGHT THREAD (4 C50X-S)	2
38	01-202000		VALVE, PRESSURE RELIEF	1
39	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
40	07-065016		WASHER, HELICAL LOCK (3/8")	2
41	07-062015		WASHER, FLAT (5/16")	2
42	217 7770		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2
43	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
44	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
45	07-004092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
46	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
47			CONSOLE ASSEMBLY, PLATFORM CONTROL	1
	353 6740	09.23	with Full Hydraulic controls	
	354 0020	09.24	with Electro-Proportional controls	
48	10-069600		CLAMP, TUBE (1-1/4")	2
49	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5) (with Full Hydraulic controls)	2
50	07-062014		WASHER, FLAT (1/4") (with Full Hydraulic controls)	2
	07-062016		WASHER, FLAT (3/8") (with Electro-Proportional controls)	2
51	07-050014		NUT, STOP (1/4"-20, Grade 5) (with Full Hydraulic controls)	2
	07-050016		NUT, STOP (3/8"-16, Grade 5) (Electro-Proportional)	2
52	11-203300		CAP, PIPE (1-1/4")	2
53	232 2880		RAIL, HAND REST [3" (76 mm) high]	1
54	232 2990		FITTING, HAND REST RAIL (Modified 8 PNTX-S)	2
55	231 9790		RAIL, GRAB [8-1/2" (216 mm) high]	1
56	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
57	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
58	10-151200		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
59	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	1
60	10-147400		PLACARD, PLATFORM LEVEL AND ROTATE CONTROLS	1
61	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1

TITLE

PLATFORM ASSEMBLY (PLATE 2 OF 3)

PLATE NO.

04.22

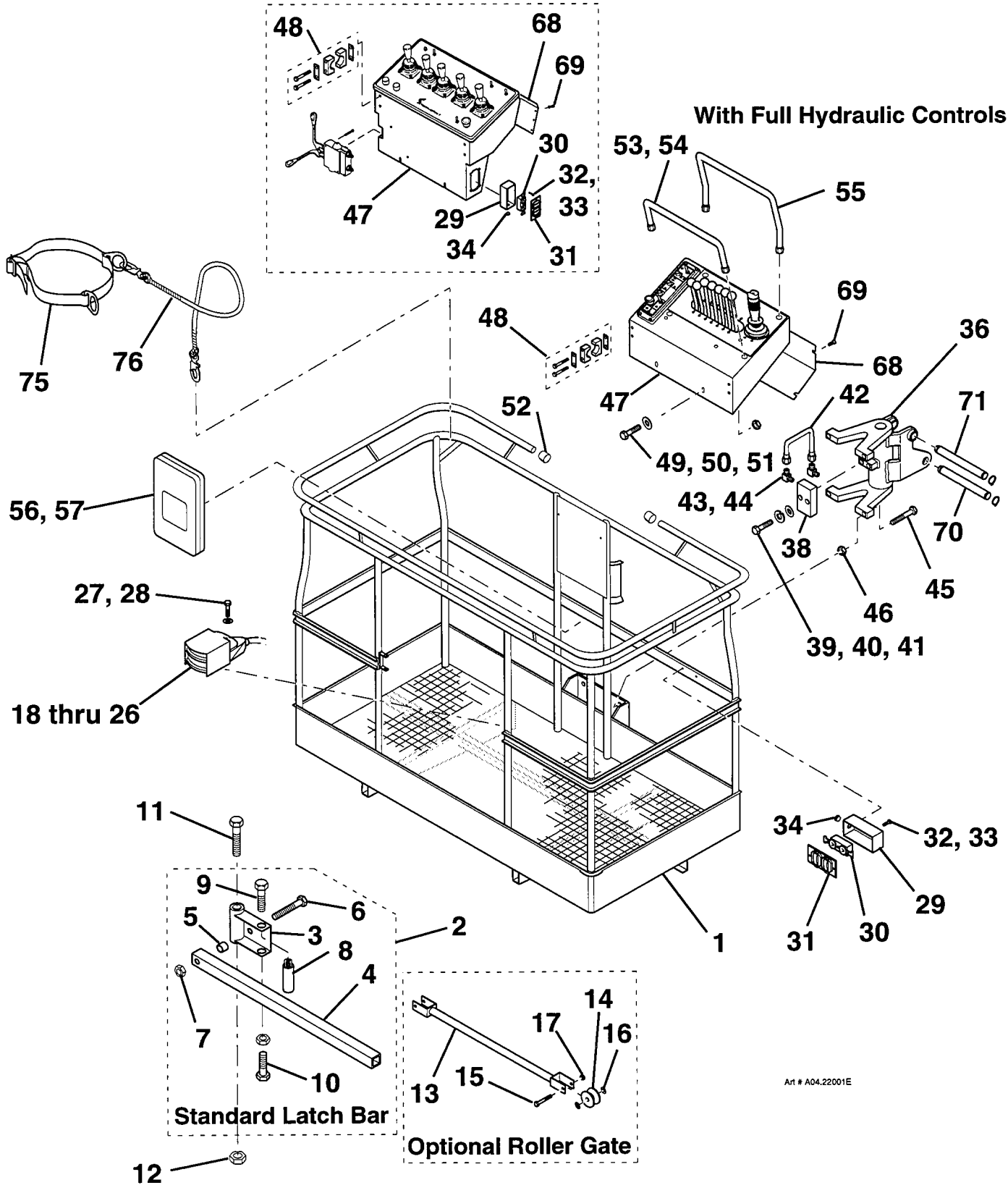
SIMON AERIALS INC.

REV. 9 MAY, 1997

PART NO.

With Electro-Proportional Controls

With Full Hydraulic Controls



Art # A04.22001E

TITLE

PLATFORM ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 9 MAY, 1997

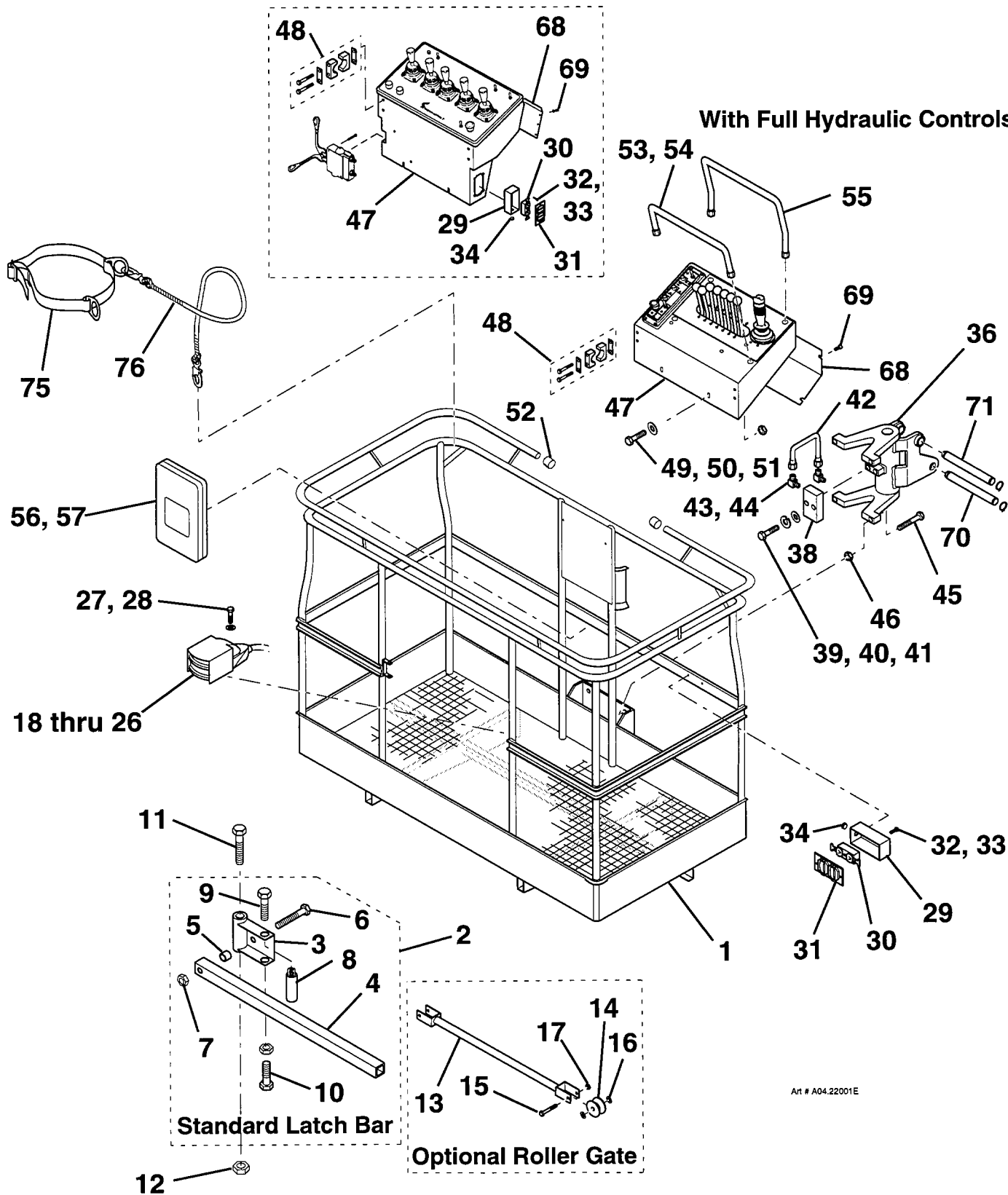
PART
NO.

PLATE
NO. 04.22

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
62	10-148300		DECAL, "Platform capacity 500 Lbs (225 Kg)" (4-1/2" [114 mm] wide)	2
63	10-145300		DECAL, "Platform capacity 500 Lbs (225 Kg)" (18-1/4" [464 mm] wide)	1
64	10-105900		DECAL, "SIMON" NAME White, 5" (127 mm) high (standard)	1
	10-017200		Black, 5" (127 mm) high (special application)	1
65	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed) (10 Ft [3.05 M] used here)	A.R.
66	10-121600		DECAL, "MADE IN U.S.A."	1
67			HOSE KIT, PLATFORM with Full Hydraulic control system	1
	353 6880		with Electro-Proportional control system	
	353 8970			
			The following items are not part of the Platform Assembly:	
68	214 0390		COVER, CONTROL CONSOLE (Rear) with Full Hydraulic control system	1
	233 8500		with Electro-Proportional control system	
69	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	6
70	213 8950		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8") (except Canada)	1
	232 3550		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8") (CSA standards)	1
71			PIN, SLAVE CYLINDER (1-1/4" x 8") (Rod end)	
	213 8980		except Canada	1
	232 3520		CSA standards	1
72	03-064700		TIE, CABLE [14-1/2" (37 mm) long]	10
73	03-066400		TIE, CABLE [20" (51 mm) long]	5
74	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	2
75	10-034000		BELT, SAFETY (option)	1
76	10-033900		LANYARD, SAFETY BELT (option)	1
			The following optional items are not shown:	
77			COVER, CONTROL CONSOLE (Hinged metal)	1
	232 4050	04.46	with Full Hydraulic controls	
	233 1760	04.45	with Electro-Proportional controls	
78	10-116900		COVER, CONTROL CONSOLE (Vinyl cloth)	1
79	10-163800		STUD, BUTTON SNAP (Stainless steel) (for vinyl cover)	A.R.
80	07-099300		RIVET, BLIND (Stainless steel) (for vinyl cover)	A.R.
81	03-038800		LAMP, CONTROL PANEL (hooded)	2
82	03-418600		BULB, PANEL LAMP (#68)	2
TITLE PLATFORM ASSEMBLY (PLATE 3 OF 3)				
PLATE NO.	04.22	SIMON AERIALS INC.		PART NO.
		REV. 9 MAY, 1997		

With Electro-Proportional Controls

With Full Hydraulic Controls



Art # A04.22001E

TITLE

PLATFORM ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

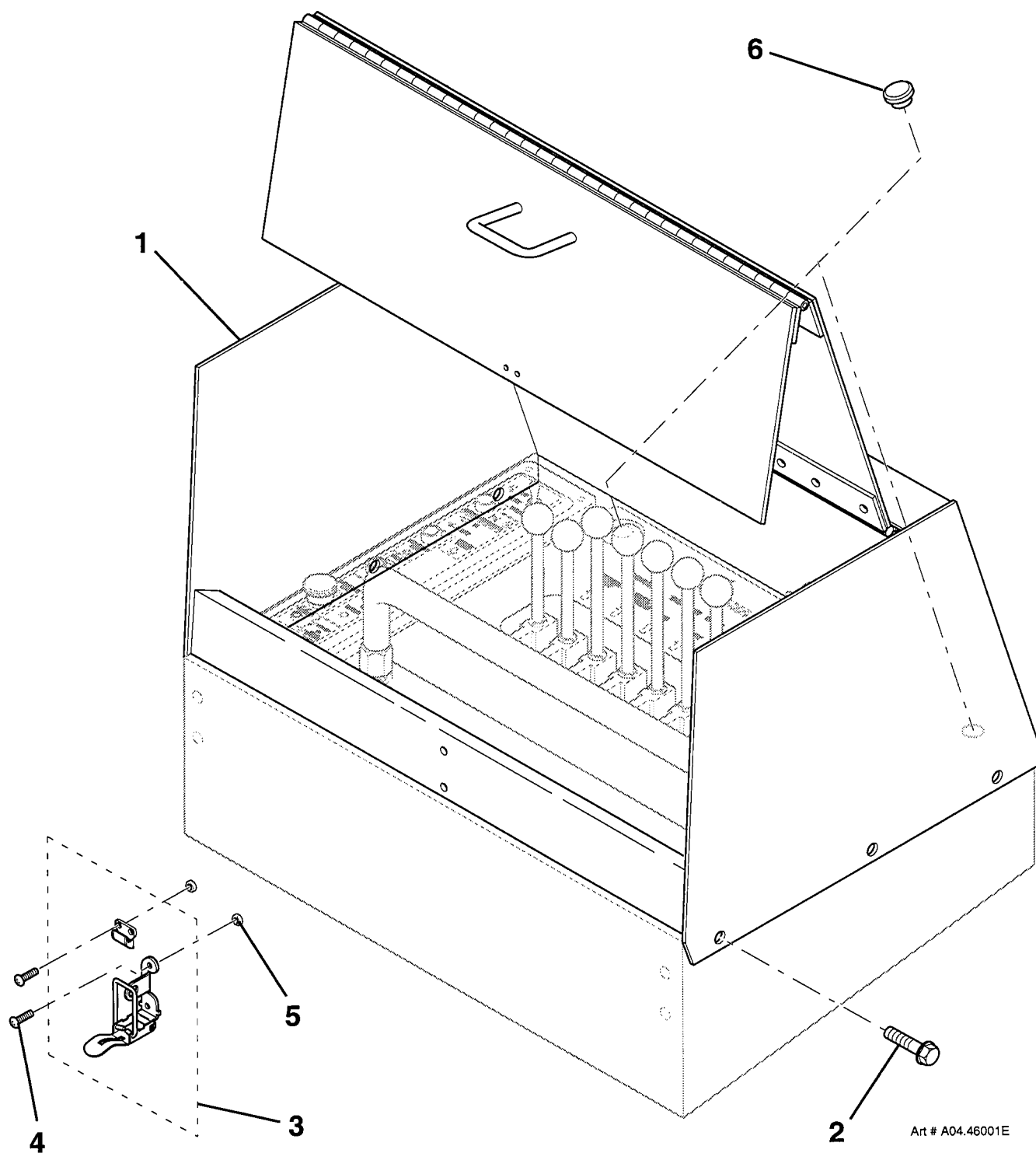
REV. 9 MAY, 1997

PART
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PLATE
NO.

04.22

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TITLE PLATFORM CONSOLE COVER, AT SERIES (FULL HYDRAULIC)

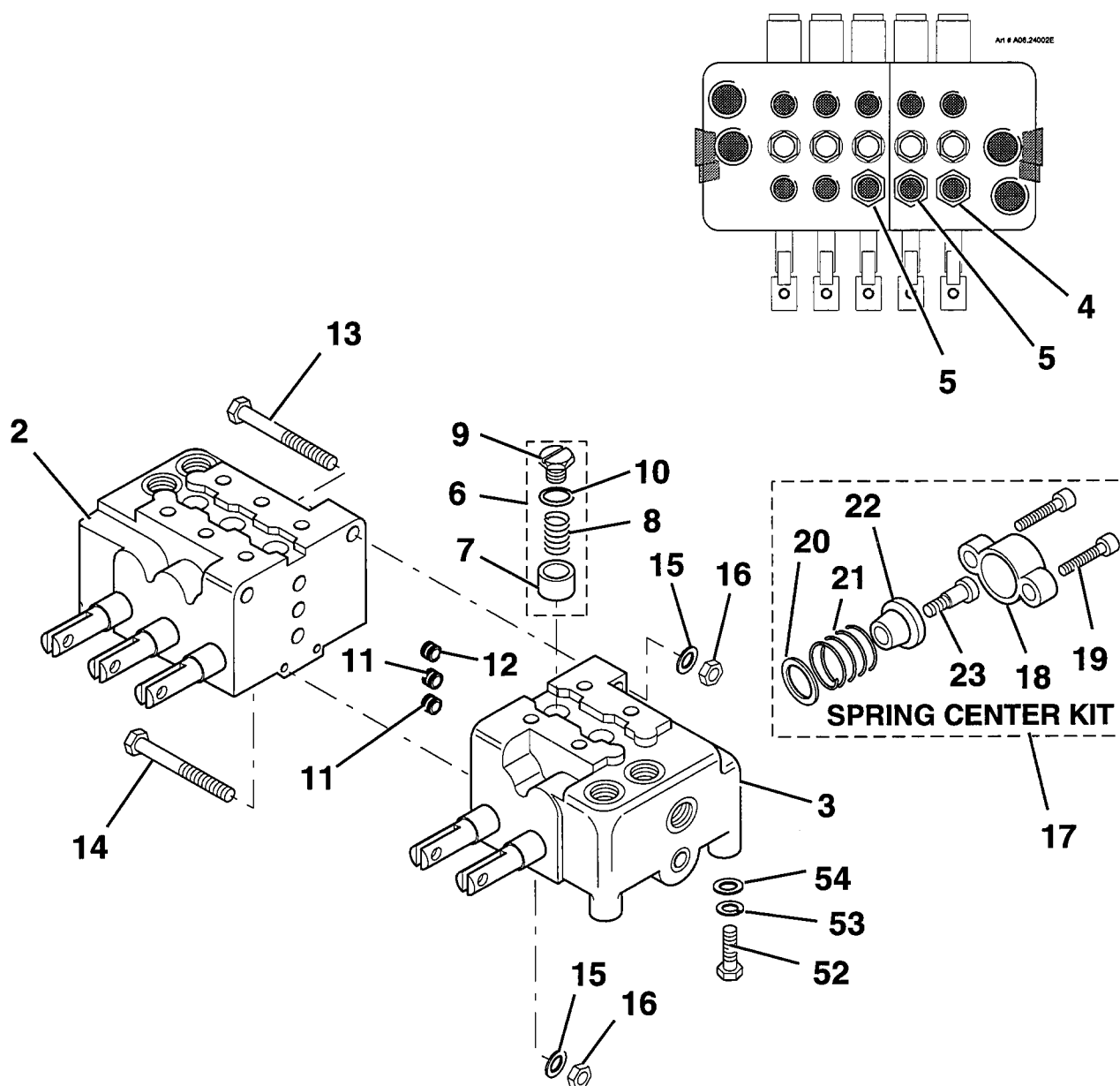
SIMON AERIALS INC.

REV. 23 MAR., 1995

PART NO. 232 4050

PLATE NO. 04.46

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-098700		VALVE BANK ASS'Y., GROUND CONTROL (5 Spool) ([3] Flow Control Valves [items 4 and 5, see illustration for location] must be removed for this application)	1
2	01-098602		INLET SECTION, 3 SPOOL	1
3	01-098404		OUTLET SECTION, 2 SPOOL	1
4	01-098702		VALVE ASSEMBLY, FLOW CONTROL (7.5 L per minute, pressure compensated) (must be removed)	1
5	01-098703		VALVE ASSEMBLY, FLOW CONTROL (10 L per minute, pressure compensated) (must be removed)	2
6			VALVE KIT, LOAD CHECK	5
7			POPPET, LOAD CHECK	1
8			SPRING	1
9			PLUG, HEX HEAD	1
10			"O"-RING (also part of Seal Kit, item 35)	1
11	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
12	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
13			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
14			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
15			WASHER, SPLIT LOCK (1/4")	4
16			NUT, HEX (1/4"-20, Grade 5)	4
17			SPRING CENTER KIT	5
18			CAP, END	1
19			SCREW	2
20			WASHER	1
21			SPRING, RETURN	1
22			SPACER	1
23			BOLT, SHOULDER	1
24	01-098701		HANDLE KIT (with 3" [76 mm] long handle)	5
25	01-098402		BLOCK, PIVOT	1
26	01-098403		PIN, CLEVIS	1
27	01-098413		"C"-HOOK	1
28	01-098414		LINK (for spools 1, 2 and 5)	1
29	01-098411		WASHER, FLAT (for spools 3 and 4)	1
30	01-098409		WASHER, SPRING (for spools 1, 2 and 5)	1
	01-098409		WASHER, SPRING (for spools 3 and 4)	2
31	01-098412		PIN, COTTER	3
32	01-098406		ROD, HANDLE (3" [76 mm] long)	1
33	01-098407		KNOB, BALL (Plastic)	1
34	01-098408		NUT, JAM	1
35	01-098601		SEAL KIT (will service 5 Spools)	1
TITLE GROUND VALVE BANK ASSEMBLY, 5 SPOOL (PLATE 1 OF 2)				
PLATE NO.	06.28	SIMON AERIALS INC.		PART NO. 354 2540
NEW 16 MAY, 1995				



TITLE

GROUND VALVE BANK ASSEMBLY, 5 SPOOL (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 16 MAY, 1995

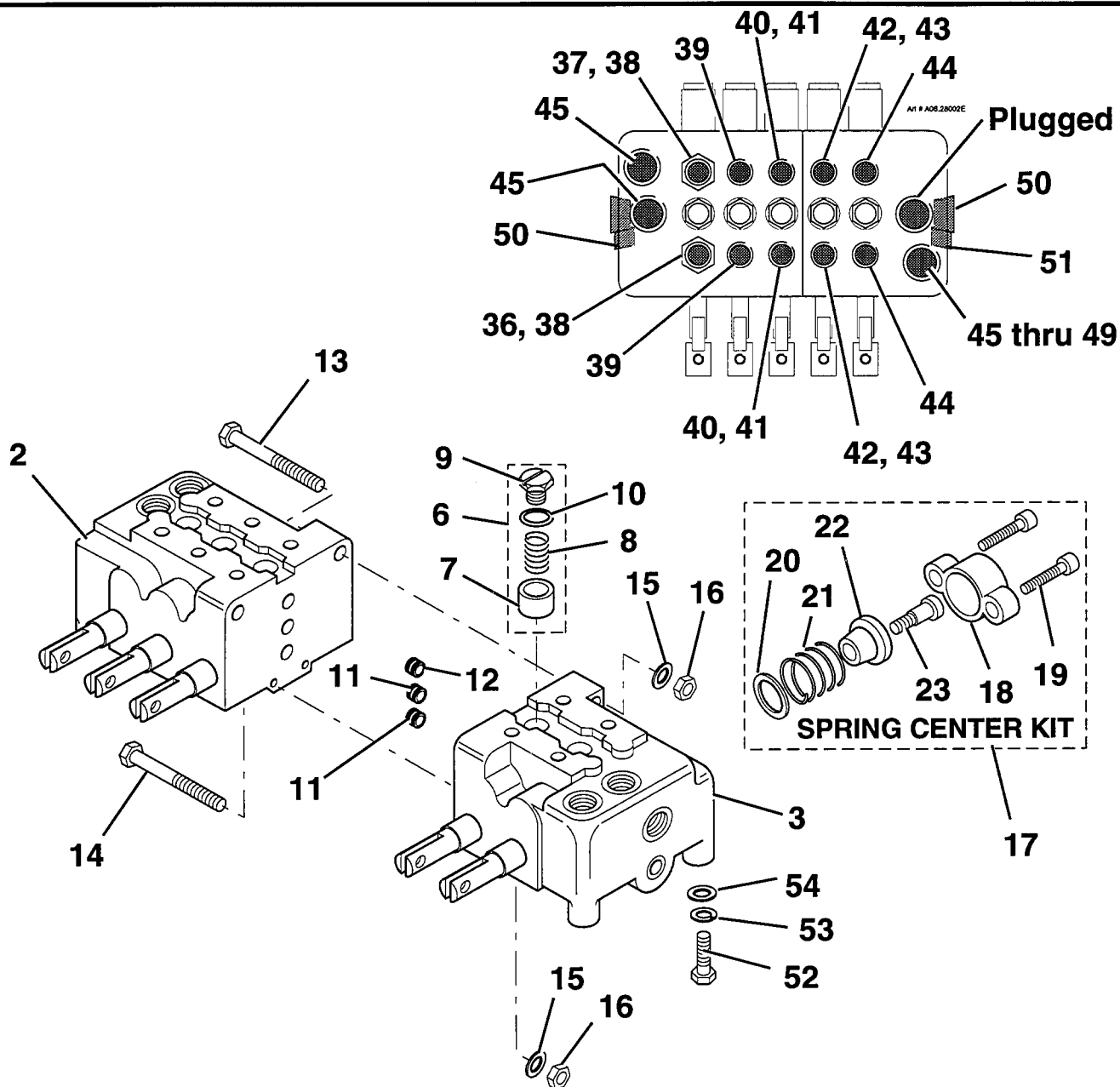
PART
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354 2540

PLATE
NO.

06.28

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TITLE GROUND VALVE BANK ASSEMBLY, 5 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 16 MAY, 1995

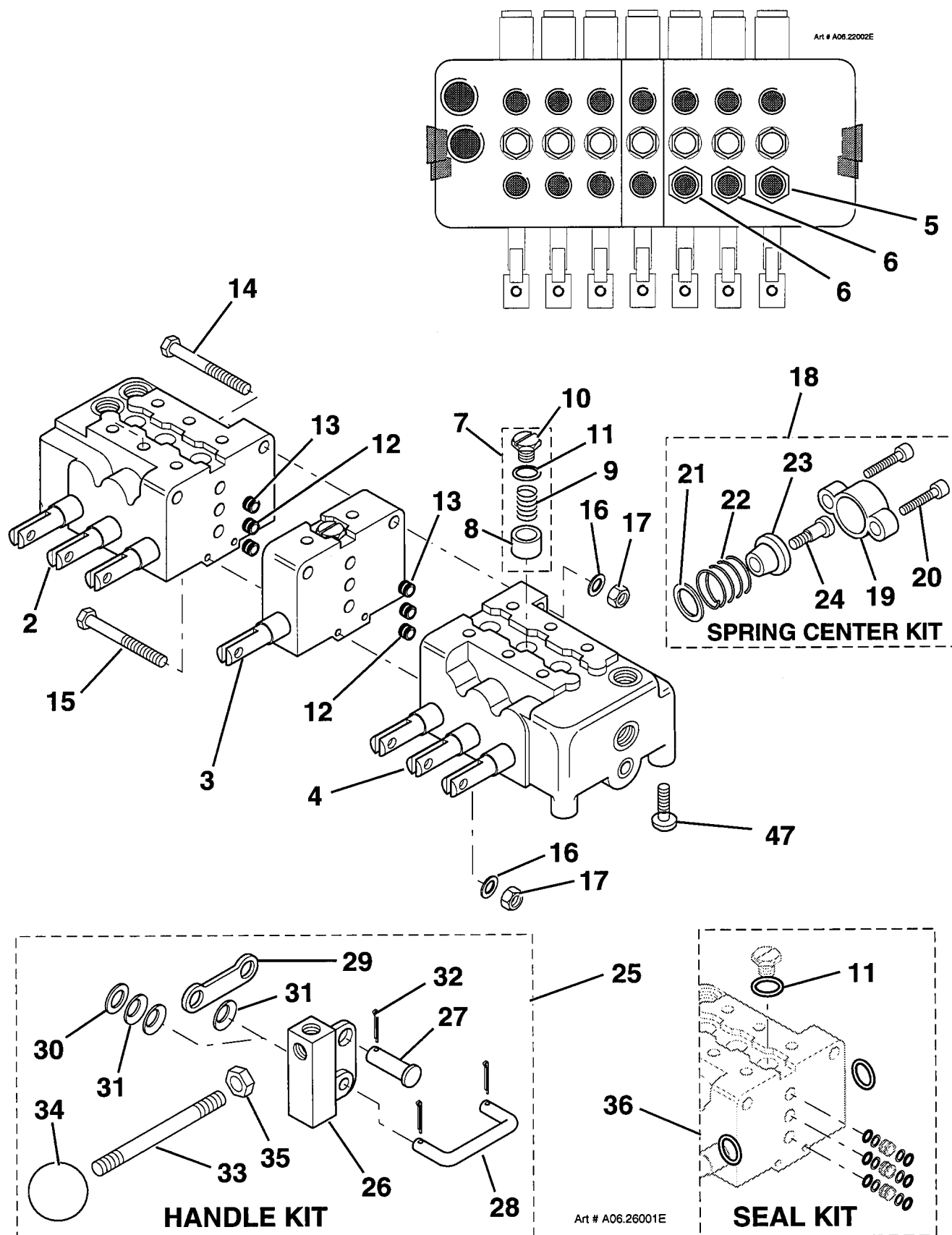
PART
NO.

354 2540

PLATE
NO.

06.28

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-098900		VALVE BANK, PLATFORM CONTROL (7 Spool) ([3] Flow Control Valves [items 5 and 6, see illustration for location] must be removed for this application)	1
2	01-098505		INLET SECTION, 3 SPOOL	1
3	01-098802		CENTER SECTION, SINGLE SPOOL	1
4	01-098803		OUTLET SECTION, 3 SPOOL	1
5	01-098702		VALVE ASSEMBLY, FLOW CONTROL (7.5 L per minute, pressure compensated) (must be removed)	1
6	01-098703		VALVE ASSEMBLY, FLOW CONTROL (10 L per minute, pressure compensated) (must be removed)	2
7			VALVE KIT, LOAD CHECK	7
8			POPPET, LOAD CHECK	1
9			SPRING	1
10			PLUG, HEX HEAD	1
11			"O"-RING (also part of Seal Kit, item 36)	1
12	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	4
13	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	2
14			BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)	2
15			BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)	2
16			WASHER, SPLIT LOCK (1/4")	4
17			NUT, HEX (1/4"-20, Grade 5)	4
18			SPRING CENTER KIT	7
19			CAP, END	1
20			SCREW	2
21			WASHER	1
22			SPRING, RETURN	1
23			SPACER	1
24			BOLT, SHOULDER	1
25	01-098901		HANDLE KIT (with 5" [127 mm] long handle)	2
	01-098902		HANDLE KIT (with 5-3/4" [146 mm] long handle)	5
26	01-098402		BLOCK, PIVOT	1
27	01-098403		PIN, CLEVIS	1
28	01-098413		"C"-HOOK	1
29	01-098414		LINK (used on two spools at each end)	1
30	01-098411		WASHER, FLAT (for center spools not using link)	1
31	01-098409		WASHER, SPRING (1 for spools using link, 2 for rest)	2
32	01-098412		PIN, COTTER	3
33	01-098502		ROD, HANDLE (5" [127 mm] long)	1
	01-098503		ROD, HANDLE (5-3/4" [146 mm] long)	1
34	01-098407		KNOB, BALL (Plastic)	1
35	01-098408		NUT, JAM	1
36	01-098801		SEAL KIT (will service 7 Spools)	1
TITLE PLATFORM VALVE BANK ASSEMBLY, 7 SPOOL (PLATE 1 OF 2)				
PLATE NO.	06.29	SIMON AERIALS INC.		PART NO. 354 2440
NEW 16 MAY, 1995				



TITLE PLATFORM VALVE BANK ASSEMBLY, 7 SPOOL (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 16 MAY, 1995

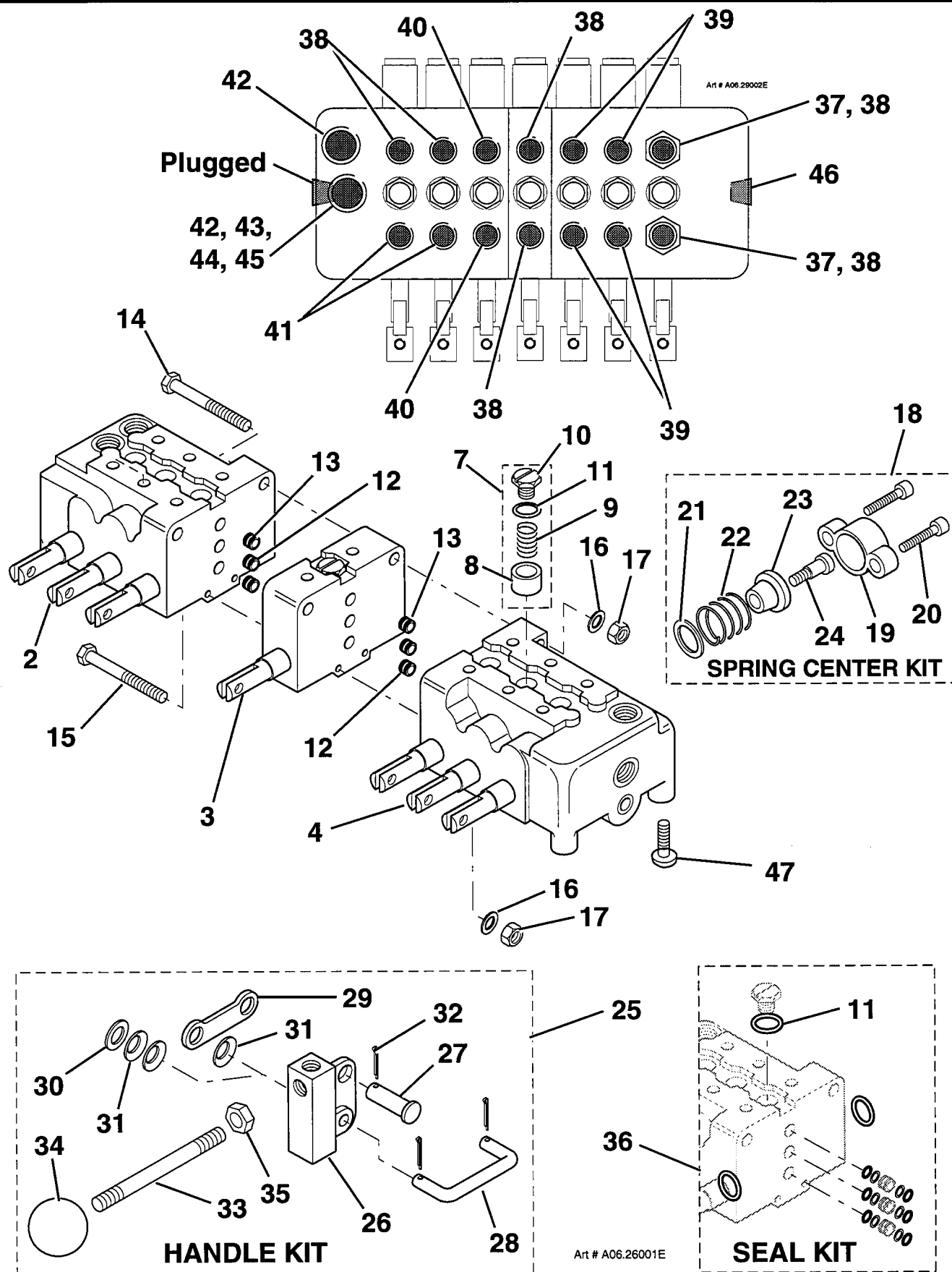
PART
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354 2440

PLATE
NO.

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TITLE PLATFORM VALVE BANK ASSEMBLY, 7 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 16 MAY, 1995

PART
NO.

354 2440

PLATE
NO.

06.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	231 0430		ELECTRICAL BOX, GROUND CONTROL	1
2	219 6530		SUB PLATE, MOUNTING	1
3	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	4
4			WASHER, EXTERNAL TOOTH LOCK (#10)	4
5	10-144300		DECAL, GROUND CONTROL	1
6	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
7	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
8	03-492400		GAUGE, OIL PRESSURE (12 Volt DC, 0 to 100 PSI)	1
9	03-493300		GAUGE, ENGINE COOLANT TEMPERATURE (optional with liquid cooled engines)	1
10	01-225700		"O"-RING (Meter seal to panel)	A.R.
11	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
12	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
13	01-037400		"O"-RING (.351" O.D., .072" thick)	1
14	03-702000		BUTTON, EMERGENCY STOP (Red, "Pull to Release" style)	1
15	03-454900		BASE, CONTACT BLOCK	1
16	03-496300		BLOCK, CONTACT (Normally closed)	1
17	03-020500		SWITCH, TOGGLE (Pump selector) (3 position, momentary contact, single pole, double throw)	1
18	03-497900		SEAL, PANEL	A.R.
19	10-223900		DECAL, "MAIN/ EMERGENCY PUMP"	1
20	03-496100		SWITCH, KEY OPERATED (3 position) (includes two keys)	1
21	03-496200		BLOCK, CONTACT (Normally open)	2
22	03-402500		SWITCH (10 Amp, 250 Volt AC)	2
23	03-402800		BUTTON, PUSH (Blue)	2
24	03-402600		SEAL, SWITCH BEZEL	2
25	10-151000		CAP, VINYL (Black)	2
26	03-020200		SWITCH, TOGGLE (with "Dual fuel" option) (3 position, maintained contact)	1
27	10-016800		DECAL, "GAS/ OFF/ PROPANE" (with "Dual fuel" option)	1

TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO.

07.23

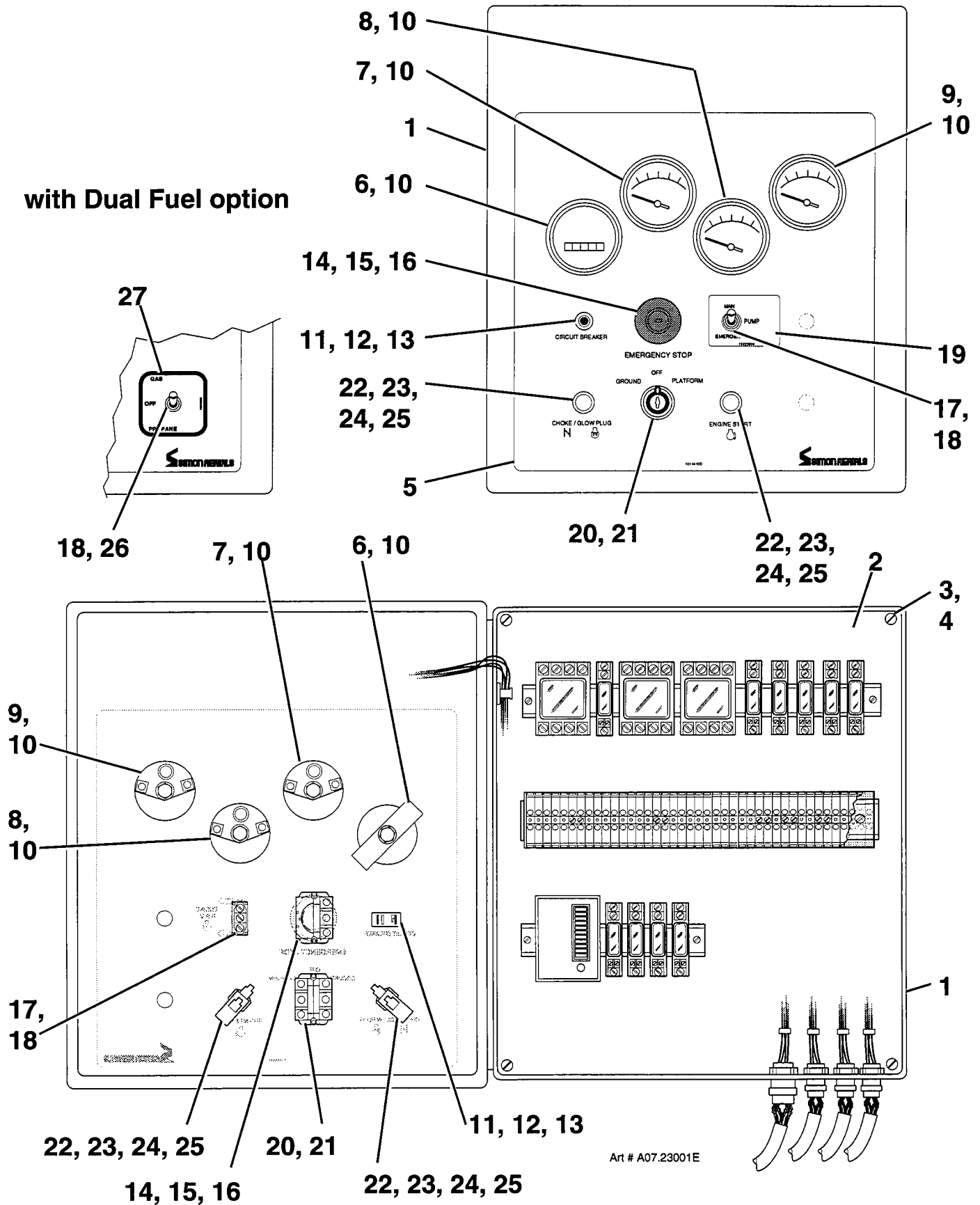
SIMON AERIALS INC.

NEW 22 MAY, 1995

PART NO.

354 2560

with Dual Fuel option



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 22 MAY, 1995

PART
NO.

354 2560

PLATE
NO.

07.23

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	10-129100		WEATHERSTRIPPING (3/16" x 3/4", 50 Ft [15.2 M] roll) (4 Ft [1.2 M] needed this application)	A.R.
29	03-051700		RAIL, TERMINAL (1 M [39.4"] long, cut to fit. Three pieces, of various lengths, required this application)	A.R.
30	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	6
31	07-050007		NUT, STOP (#6-32, Grade 5)	6
32	03-052800		RELAY, TIME DELAY (0 to 102.3 second, 12 Volt DC)	1
33	03-050100		RELAY, PLUG IN (Double pole, 12 Volt DC)	3
34	03-037500		SOCKET, RELAY (Double pole, snap mount)	4
35	03-051500		RELAY, PLUG IN (Single pole, 12 Volt DC)	10
36	03-051600		SOCKET, RELAY (Single pole, snap mount)	10
37	03-066200		BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)	35
38	03-066100		PLATE, TERMINAL BLOCK END	1
39	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.
40	03-061800		DIODE	7
41	03-037200		GRIP, CORD (1/2", with 9/16" to 5/8" seal)	1
	03-045500		GRIP, CORD (1/2", with 5/16" to 3/8" seal)	4
42	03-055500		NUT, CONDUIT LOCK (1/2")	5
43	03-063200		GRIP, CORD (3/4", with 11/16" to 3/4" seal)	1
44	03-055600		NUT, CONDUIT LOCK (3/4")	1
45	03-446800		CABLE, ELECTRICAL (10 conductor, #16 AWG) (Bulk item. 3.8 Ft [1.16 M] required this application)	A.R.
46	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
	03-439000		TIE, CABLE (3.6" [92 mm] long)	A.R.
47	03-064100		MOUNT, CABLE TIE	A.R.

TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

PLATE NO.

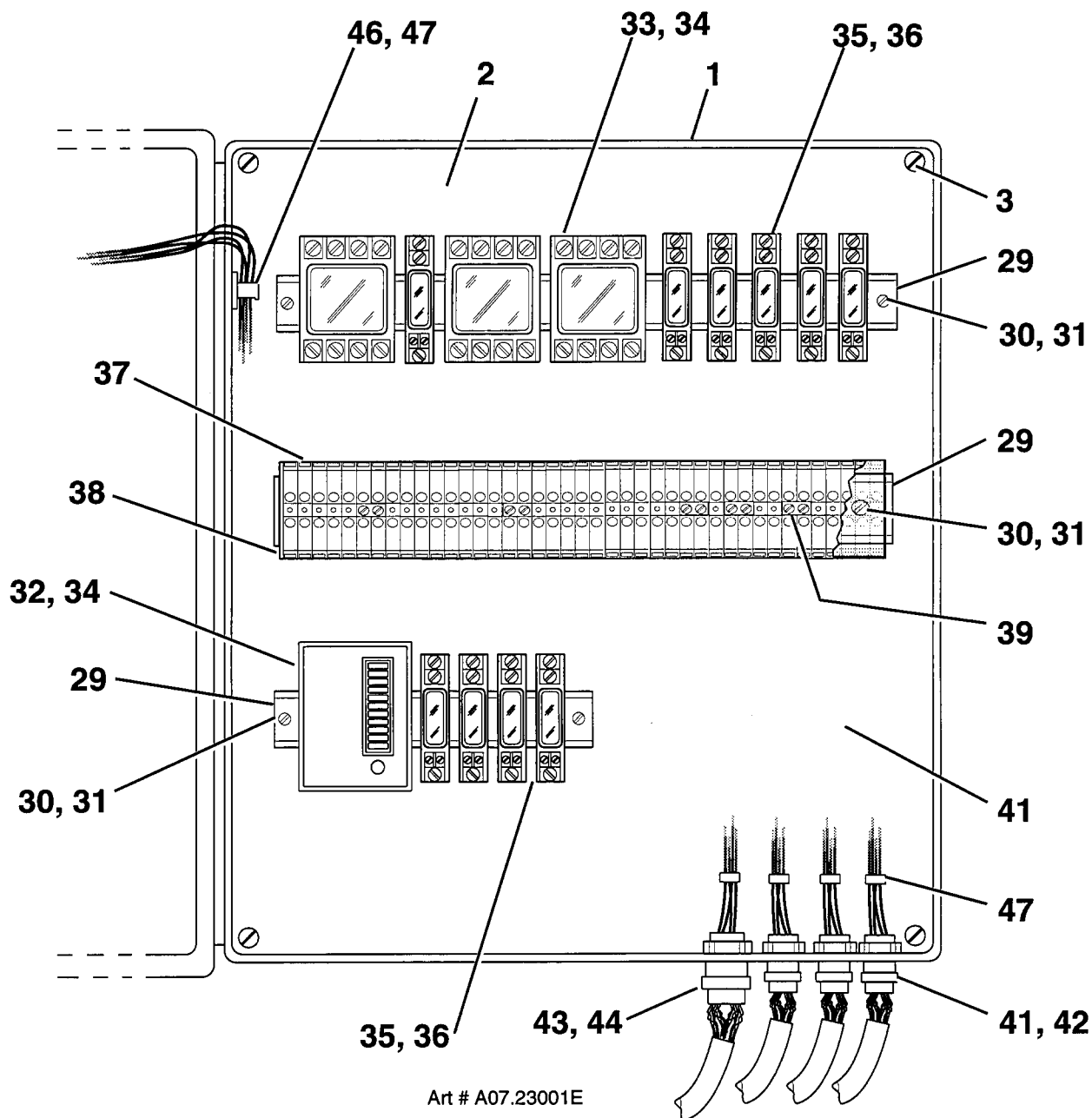
07.23

SIMON AERIALS INC.

NEW 22 MAY, 1995

PART NO.

354 2560



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 22 MAY, 1995

PART
NO.

354 2560

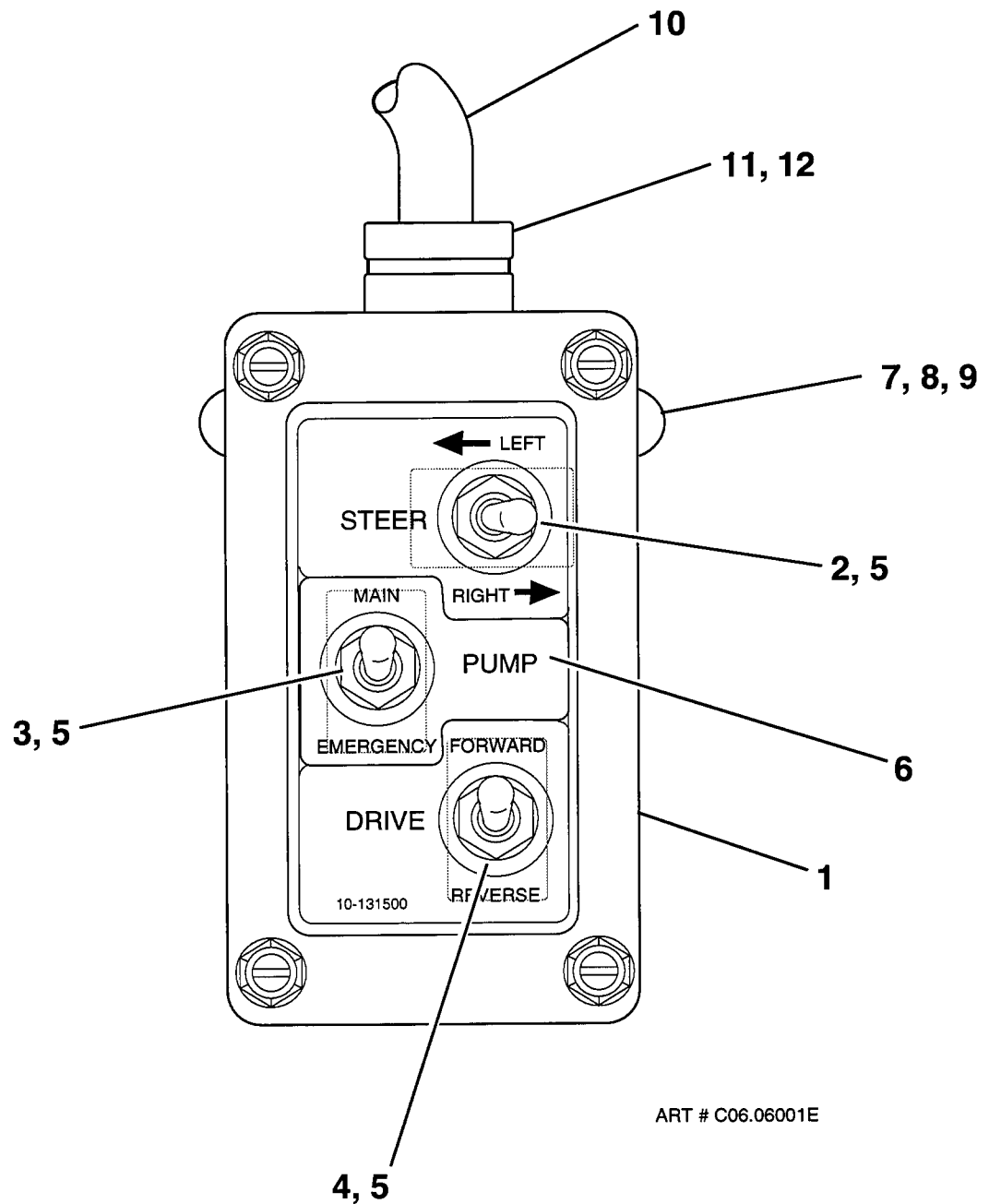
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PENDANT ASSEMBLY, REMOTE CONTROL

PART NO.	3529370
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ART # C06.06001E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

NEW 15 MAR., 1994

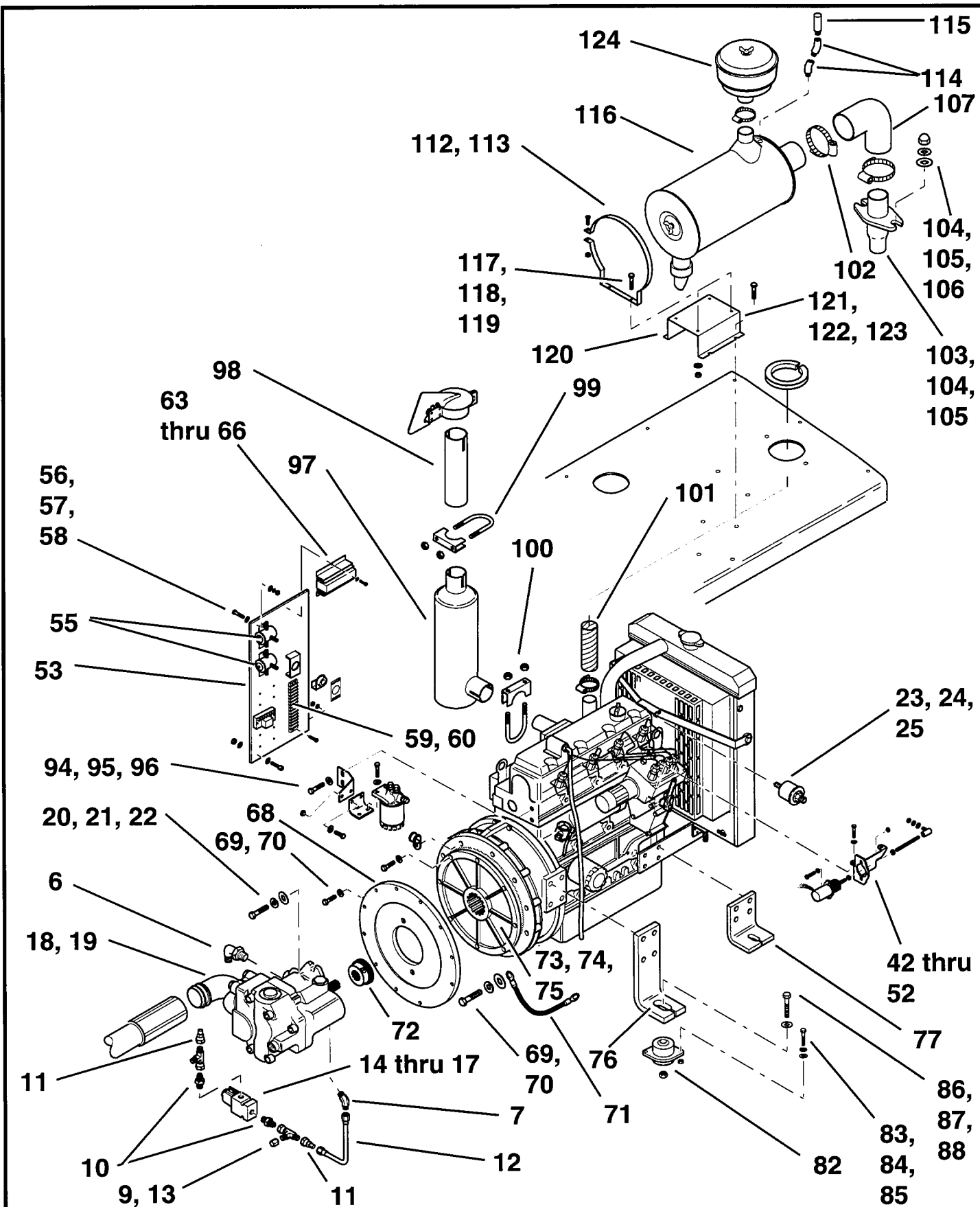
PART
NO.

3529370

PLATE
NO.

07.21

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	Call Simon 354 0000		ENGINE ASSEMBLY (Detroit Diesel/ Perkins) Model 104.22 (Standard version) Model 104.22 (for shotblast application)	1
2			ENGINE, DIESEL (Detroit Diesel/ Perkins Model 104.22) (50 HP [37.3 Kw] @ 3,000 RPM, liquid cooled 4 cyl.) Standard version (includes Alternator)	1
	09-058500			
	09-058100		for shotblast application (Alternator not included)	
3			SWITCH, OIL PRESSURE (comes with engine) (Not visible on illustration. Behind oil filter.)	1
4			BOLT, FUEL FILTER BRACKET (Rear) (comes with engine)	1
5	01-236900		PUMP ASSEMBLY, HYDRAULIC (marked "PAVC 65 x 3224)	1
6	06-045800		90° ELBOW , "O"-RING TO 37° (16C50X-S)	1
7	06-047000		45° ELBOW , "O"-RING TO 37° 6V50X-S (6MJ-6MB 45°)	1
8	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R50X-S) (6SJX-6MJ-6MJ)	1
9	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S) (6MB-6MJ-6MJ)	1
10	06-191900		ADAPTER, "O"-RING TO 37° (6-4F50X-S) (6MJ-4MB)	1
11	06-079000		CONNECTOR, SWIVEL NUT (6F650X-S)	1
12	353 6550		TUBE, HYDRAULIC	1
13	06-064000		CAP, HYDRAULIC	1
14	01013900		VALVE BLOCK, CARTRIDGE	1
15	01-013700		VALVE, TWO WAY (Solenoid operated)	1
16	01-013701		SEAL KIT, VALVE	1
17	01-013702		COIL (12 Volt DC)	1
18	06-216700		FLANGE, SUCTION FITTING (1-1/2") (includes two flange halves and mounting hardware)	1
19	06-216600		90° FITTING (1-1/2" stem to 1-1/2" hose)	1
20	07-003127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
21	07-060021		WASHER, FLAT (5/8")	2
22	07-065021		WASHER, HELICAL LOCK (5/8")	2
TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 1 OF 5)				
PLATE NO.	08.29	SIMON AERIALS INC.		PART NO.
REV. 1 MAY, 1997				



TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 1 OF 5)

SIMON AERIALS INC.

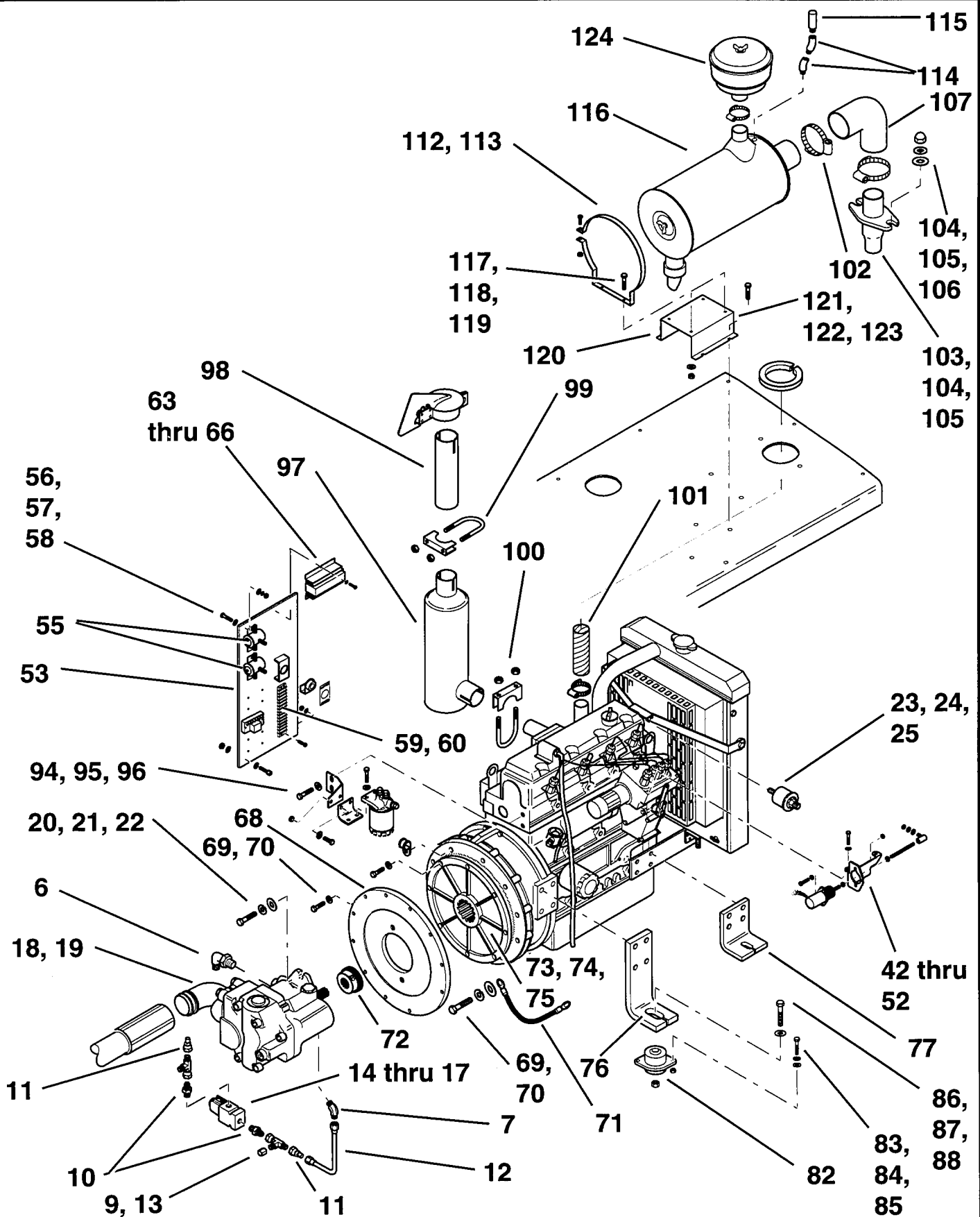
REV. 1 MAY, 1997

PART
NO.

PLATE
NO.

08.29

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
24	230 5190		BRACKET, MOUNTING (Oil pressure sending unit)	1
25	07-062016		WASHER, FLAT (3/8")	1
26	233 2880		BRACKET, ALTERNATOR MOUNTING (not shown)	1
27	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	3
28	07-066005		WASHER, LOCK (8 mm)	3
29	07-062014		WASHER, FLAT (1/4")	3
30	07-062015		WASHER, FLAT (5/16")	3
31	09-058200		ALTERNATOR (12 Volt, 30 Amp, fully enclosed) (not shown)	1
32	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	1
33	07-062016		WASHER, FLAT (3/8")	2
34	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
35	233 7000		ARM, ALTERNATOR TENSION (not shown)	1
36	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	1
37	07-065015		WASHER, HELICAL LOCK (5/16")	1
38	07-062015		WASHER, FLAT (5/16")	1
39	09-058300		REGULATOR, ALTERNATOR (Not visible on illustration. Mounts to rear of alternator.)	1
40	09-058400		PULLEY, ALTERNATOR (not shown)	1
41	10-114800		V-BELT (A-39) (not shown)	1
42	233 3210		BRACKET, THROTTLE SOLENOID	1
43	03-456800		SOLENOID, THROTTLE (12 Volt DC, 2 bolt mount, includes module 03-456803)	1
44	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2
45	07-060014		WASHER, FLAT (1/4" SAE)	2
46	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
47	11-008005		ROD, THREADED (1/4"-28, Grade 5) (3 Ft [.91 M] long piece. 3" [76 mm] required this application)	A.R.
48	09-016402		BALL JOINT (1/4"-28, straight)	1
49	09-016403		BALL JOINT (1/4"-28, 90°)	1
50	07-060014		WASHER, FLAT (1/4" SAE)	1
51	07-065014		WASHER, HELICAL LOCK (1/4")	1
52	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 2 OF 5)				
PLATE NO.	08.29	SIMON AERIALS INC.		PART NO.
			REV. 1 MAY, 1997	



TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 2 OF 5)

SIMON AERIALS INC.

REV. 1 MAY, 1997

PART
NO.

PLATE
NO.

08.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
53	233 3200		PANEL, ACCESSORY (remote mount)	1
54	03-066800		LOOM, WIRE (3/4") (Bulk item, order as needed.) (2 Ft [.61 M] required this application)	A.R.
55	03-051300		RELAY (Single pole, single throw)	2
56	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	4
57	07-060014		WASHER, FLAT (1/4" SAE)	4
58	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
59	03-068000		BLOCK, TERMINAL (10 station)	1
60	07-011334		MACHINE SCREW, ROUND HEAD CROSS RECESS (#6-32 x 3/4", Grade 2)	2
61	07-050007		NUT, STOP (#6-32, Grade 5)	2
62	10-061600		CLAMP, LOOP (1", G-16)	1
63	03-456803		MODULE, THROTTLE SOLENOID (also included with Throttle Solenoid 03-456800)	1
64	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
65	07-062009		WASHER, FLAT (#8)	2
66	07-050011		NUT, STOP (#10-24, Grade 2)	2
68	02-036500		PLATE, PUMP ADAPTER (3/4" [19 mm] thick) SAE #5 (12 hole, 14-1/4" pilot) flywheel housing to SAE "C" (4 hole, 5" pilot) pump mount	1
69	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 8)	12
70	07-065016		WASHER, HELICAL LOCK (3/8")	12
71	03-074000		CABLE, GROUND (Black, 9-3/4" [25 cm] long, 3/8" lugs)	1
72			HUB, COUPLING (32-13-14 Tooth, 12/ 24 Pitch Dia.)	1
73	02-036600 02-046400		Earlier style (CK-100, 6 lug mating surface to element) Later style (Splined mating surface to element) ELEMENT, COUPLING (SAE #7.5, 8 hole, 9-1/2" pilot)	1
74	02-036800 02-046600 07-003025		Earlier style (CK100, 6 lug mating surface to hub) Later style (Splined mating surface to hub) CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	8
75	07-065015		WASHER, HELICAL LOCK (5/16")	8

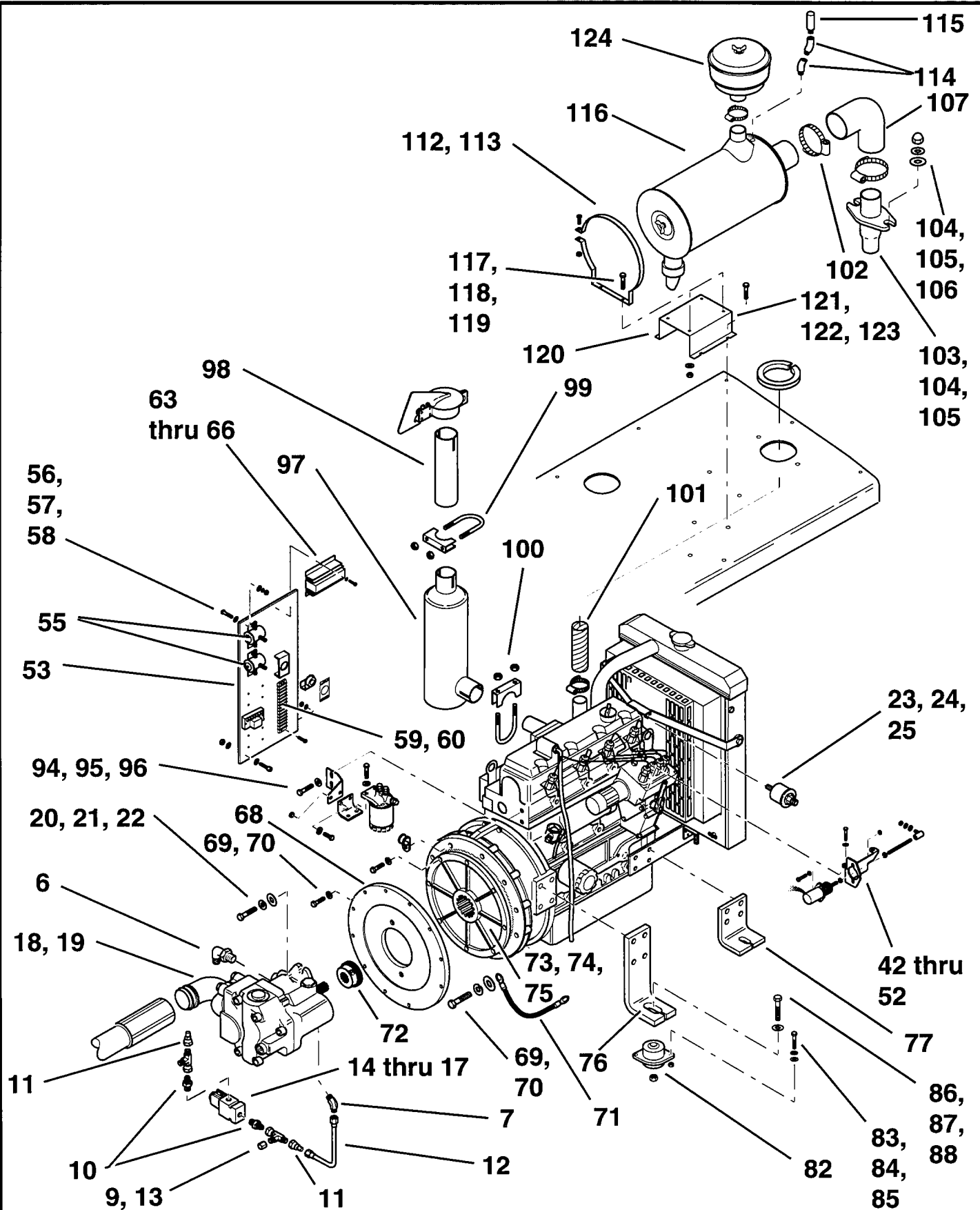
TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 3 OF 5)

PLATE NO. 08.29

SIMON AERIALS INC.

REV. 1 MAY, 1997

PART NO.



TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 3 OF 5)

SIMON AERIALS INC.

REV. 1 MAY, 1997

**PART
NO.**

PLATE NO.	08.29
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
76	233 5060		FOOT, MOTOR MOUNT (long)	1
77	233 5070		FOOT, MOTOR MOUNT (short)	
			(One mounts to far side of engine with hardware below.)	3
78	07-090153		CAP SCREW, HEX HEAD (M14 x 45 mm, Grade 8.8)	4
79	07-066005		WASHER, LOCK (14 mm)	4
80	07-060021		WASHER, FLAT (5/8")	4
81	217 6380		FLANGE, EXHAUST	1
			The following components, used in mounting the engine to the superstructure, are not part of the Engine Assembly:	
82	09-006500		MOUNT, ENGINE	4
83	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
84	07-065016		WASHER, HELICAL LOCK (3/8")	8
85	07-062016		WASHER, FLAT (3/8")	16
86	07-004092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
87	07-061018		WASHER, FLAT (1/2")	8
88	07-058400		NUT, LOCK (1/2"-13)	4
89	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	2
90	07-065018		WASHER, HELICAL LOCK (1/2")	2
91	07-062018		WASHER, FLAT (1/2")	2
92	05-085000		HOSE, SUCTION (1-1/2") (Bulk item, order as needed. 12" [30.5 cm] required this application)	A.R.
93	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
94	05-081900		HOSE, FUEL LINE (5/16") (Bulk item, order as needed. 12 Ft [3.66 M] required this application)	A.R.
95	05-006400		HOSE, FUEL RETURN (1/4") (Bulk item, order as needed. 12 Ft [3.66 M] required this application)	A.R.
96	09-004600		CLAMP, WORM (1/4" to 5/8") (for fuel line)	4
97	09-024700		MUFFLER	1
98	233 8530		PIPE, EXHAUST	1
99	09-003800		CLAMP, MUFFLER (1-3/4", "U" bolt, universal)	1
100	09-015400		CLAMP, MUFFLER (2", "U" bolt, universal)	1
101	09-037100		HOSE, FLEX (2") (Bulk item, order as needed. 29" [74 cm] required this application)	A.R.
102	09-015000		CLAMP, HOSE (2-1/2")	2
103	233 6850		ADAPTER, AIR CLEANER	1
104	07-062015		WASHER, FLAT (5/16")	2
105	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 4 OF 5)				
PLATE NO.	08.29	SIMON AERIALS INC.		PART NO.
REV. 1 MAY, 1997				



REV. 1 MAY, 1997

PLATE NO.	
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08.29

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
106	07-044015		NUT, ACORN (5/16"-18)	2
107	09-003500		90° ELBOW (Rubber, 3" I.D.)	1
108	09-008500		CLAMP, HOSE (3-1/2")	3
109	233 6810		COUPLER, PIPE	1
110	09-009700		90° ELBOW (Rubber, 3" to 3-1/2" I.D.)	1
111	09-008600		CLAMP, HOSE (4")	1
112	09-007000		AIR CLEANER ASSEMBLY (8" [203 mm] dia.)	1
113	09-007001		ELEMENT, AIR FILTER	1
114	06-081300		45° STREET ELBOW (1/8 CD45-S)	2
115	09-009900		INDICATOR, AIR FILTER SERVICE (20")	1
116	09-003400		BAND, MOUNTING (8" dia.)	2
117	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	4
118	07-062015		WASHER, FLAT (5/16")	4
119	07-050015		NUT, STOP (5/16"-18)	4
120	233 6800		BRACKET, AIR CLEANER	2
121	07-062016		WASHER, FLAT (3/8")	4
122	07-040016		NUT, HEX (3/8"-16, Grade 5)	4
123	07-044016		NUT, ACORN (3/8"-16)	4
124	09-007100		PRE-CLEANER (3-3/4" [95 mm] dia.) (includes clamp)	1
125	05-082200		OIL PRESSURE LINE (3/16") (Bulk item, order as needed. 24" [61 cm] needed this application, from compression fitting above water pump to fitting at oil pressure sender.)	A.R.
The following hardware items may be used:				
126	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)	A.R.
127	03-087600		WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)	A.R.
128	03-087800		WIRE, ELECTRICAL (#16 AWG, Red) (Bulk item)	A.R.
129	03-088300		WIRE, ELECTRICAL (#14 AWG, Blue) (Bulk item)	A.R.
130	03-088400		WIRE, ELECTRICAL (#14 AWG, Black) (Bulk item)	A.R.
131	03-455300		WIRE, ELECTRICAL (#10 AWG, Black, stranded) (Bulk item)	A.R.
132	03-457200		WIRE, ELECTRICAL (#10 AWG, Blue, stranded) (Bulk item)	A.R.
133	03-466300		WIRE, ELECTRICAL (#10 AWG, Red, stranded) (Bulk item)	A.R.
134	03-092200		COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)	A.R.
135	03-092300		COUPLING, INSULATED (Female, blue nylon, 14-16 AWG)	A.R.
136	03-094600		TERMINAL, RING (Blue, #14-16 AWG, #10 stud)	A.R.
137	03-094800		TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)	A.R.
138	03-095400		TERMINAL, RING (Blue, #10-12 AWG, #10 stud)	A.R.
139	03-095600		TERMINAL, RING (Blue, #10-12 AWG, 1/4" stud)	A.R.
140	03-095700		TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)	A.R.
141	03-091200		TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)	A.R.
142	03-091700		TERMINAL, SPADE (Locking, #10-12 AWG, #6 stud)	A.R.
143	03-061800		DIODE	A.R.

TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 5 OF 5)

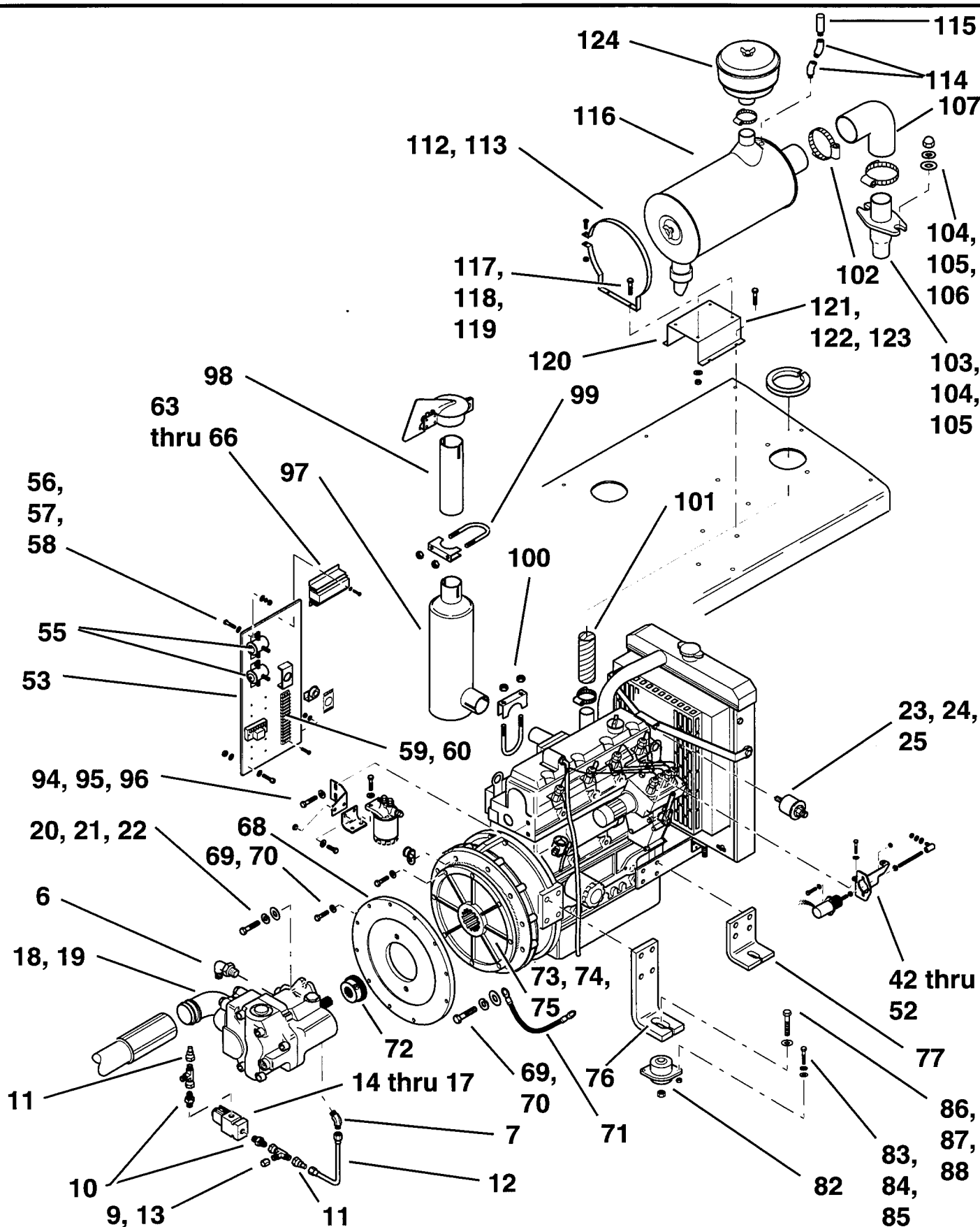
PLATE NO.

08.29

SIMON AERIALS INC.

REV. 1 MAY, 1997

PART NO.



TITLE ENGINE ASSEMBLY, DETROIT DIESEL/ PERKINS 104.22 (PLATE 5 OF 5)

SIMON AERIALS INC.

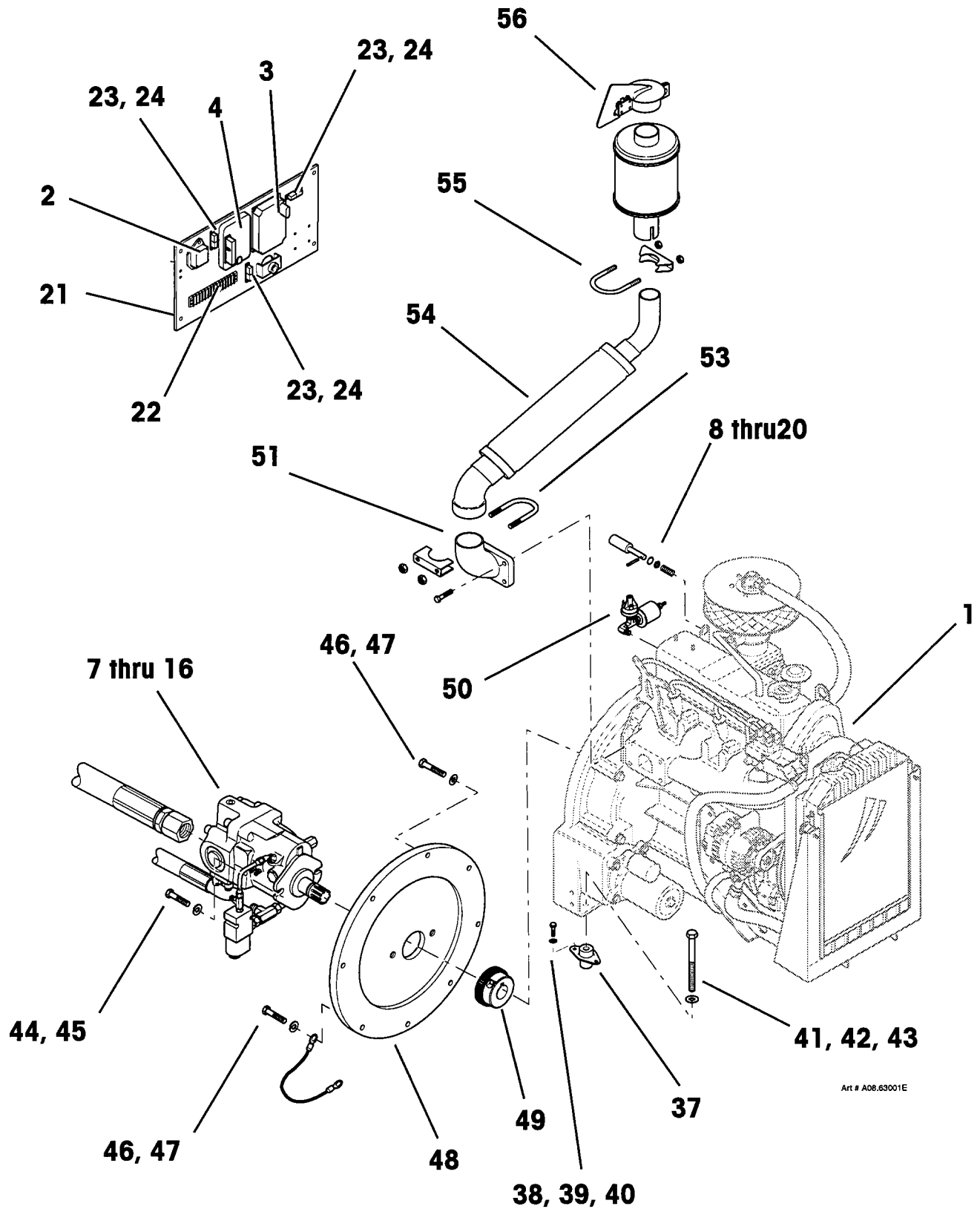
REV. 1 MAY, 1997

PART
NO.

PLATE
NO.

08.29

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	Call Simon Call Simon		ENGINE ASSEMBLY (Ford LRG-423) 63 HP (47 Kw) liquid cooled gas four cylinder 63 HP (47 Kw) liquid cooled dual fuel four cylinder	1
2	-----		RELAY, STARTER (Comes with engine. Marked "E4JL-11450-AA")	1
3	-----		MODULE (Blue. Comes with engine. Marked "F4JL-12A458-BB")	1
4	-----		MODULE (Gray. Comes with engine. Marked "F5JL-12A297-BA")	1
5	-----		BRACKET, FUEL PUMP MOUNTING (c/w engine)	1
6	235 5170	12.--	BRACKET, RADIATOR MOUNTING	1
7	01-236900		PUMP, HYDRAULIC	1
8	06-045600		FITTING, ELBOW 12-16C50X-S	1
9	06-045800		FITTING, ELBOW 16C50X-S	1
10	06-047000		FITTING, ELBOW 6V50X-S	1
11	06-054500		FITTING, TEE 6R6X-S	1
12	06-054500		FITTING, REDUCER 1/4" x 1/8"	3
13	06-074700		FITTING, TEE 1/4MR0-S	1
14	06--07900		FITTING, CONNECTION 6F650X-S	1
15	06-081300		FITTING, ELBOW 1/8CD45-S	1
16	06-191900		FITTING, CONNECTION 6-4F50X-S	1
17	03-469200		BRACKET, CHOKE SOLENOID	1
18	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
19	07-075414		ROLL PIN (1/8" x 1")	1
20	-----		ROD (1/16" dia. x 6" long)	1
21	235 2040		PANEL, REMOTE ELECTRICAL MOUNTING	1
22	03-468700		STRIP, TERMINAL (14 contact)	1
23	03-467500		RELAY (Single pole, single throw, 12 Volt DC, normally open, sealed)	3
24	03-469200		SOCKET, RELAY	3
TITLE			ENGINE ASSEMBLY, FORD LRG-423	
SECTION	PLATE NO.	PAGE	REV.	DATED
08.	65	2	-	25 APR, 1997
			PART NO.	354 5620
			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 # A08.63001E

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE

ENGINE ASSEMBLY, FORD LRG-423

PART NO. **354 5620**

REV. - DATED 25 APR, 1997

SECTION **08.**

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item, order as needed.)	A.R.
26	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item, order as needed.)	A.R.
27	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item, order as needed.)	A.R.
28	03-473800		PLUG, TERMINAL (Male, 4 conductor)	2
29	03-473700		HOUSING, TERMINAL (Female, 4 conductor)	2
30	-----		PLUG, TERMINAL (Male, 2 conductor)	1
31	03-486000		HOUSING, TERMINAL (Female, 2 conductor)	1
32	03-473900		TERMINAL, PIN	A.R.
33	03-474000		TERMINAL, SOCKET (for #14 to #16 wire)	A.R.
34	-----		BOOT, SINGLE WIRE TERMINAL	20
35	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed. 6 Ft [1.83 M] needed in this application.)	A.R.
36	10-061600		CLAMP, LOOP (1", G-16)	2
37	09-006500		MOUNT, ENGINE	4
38	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
39	07-065016		WASHER, HELICAL LOCK (3/8")	8
40	07-062016		WASHER, FLAT (3/8")	8
41	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	4
42	07-062018		WASHER, FLAT (1/2")	8
43	07-058400		NUT, LOCK (1/2"-13)	4
44	07-004127		CAPSCREW, HEX HEAD, 5/8"-11 x 1-1/2" (Grade 8)	4
45	07-060021		WASHER, FLAT, 5/8"	4
46	07-003045		CAPSCREW, HEX HEAD, 3/8"-16 x 1-1/4" (Grade 5)	4
47	07-065016		WASHER LOCK 3/8"	4
48	02-011500		ADAPTER PLATE, PUMP	1
49	02-048700		HUB, COUPLING (steel)	1
50	09-052200		SENDER, OIL PRESSURE	1
51	234 5740		FLANGE, EXHAUST (on other side of engine)	1
52	09-055100		MUFFLER, ENGINE EXHAUST	1
53	09-015400		CLAMP, MUFFLER (2")	1
54	235 8640		PIPE, EXHAUST	1
55	09-004500		CLAMP, MUFFLER (1-7/8")	1
56	10-004700		CAP, RAIN (1-3/4")	1

TITLE

ENGINE ASSEMBLY, FORD LRG-423

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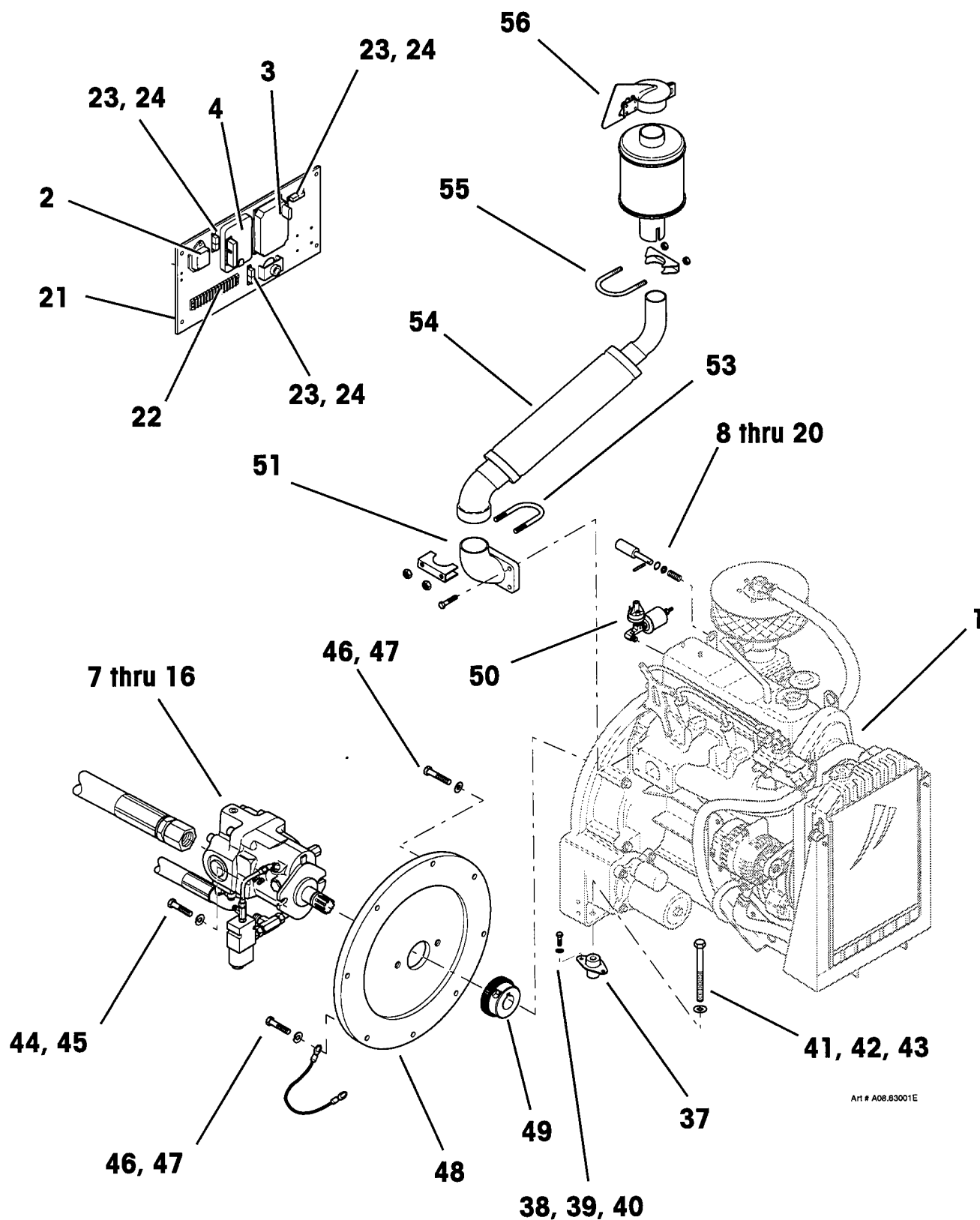
25 APR, 1997

PART NO.

354 5620

Simon Aerials Inc.

10600 West Brown Deer Road
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Art # A08.83001E

Simon Aerials Inc.
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TITLE

ENGINE ASSEMBLY, FORD LRG-423

PART NO.

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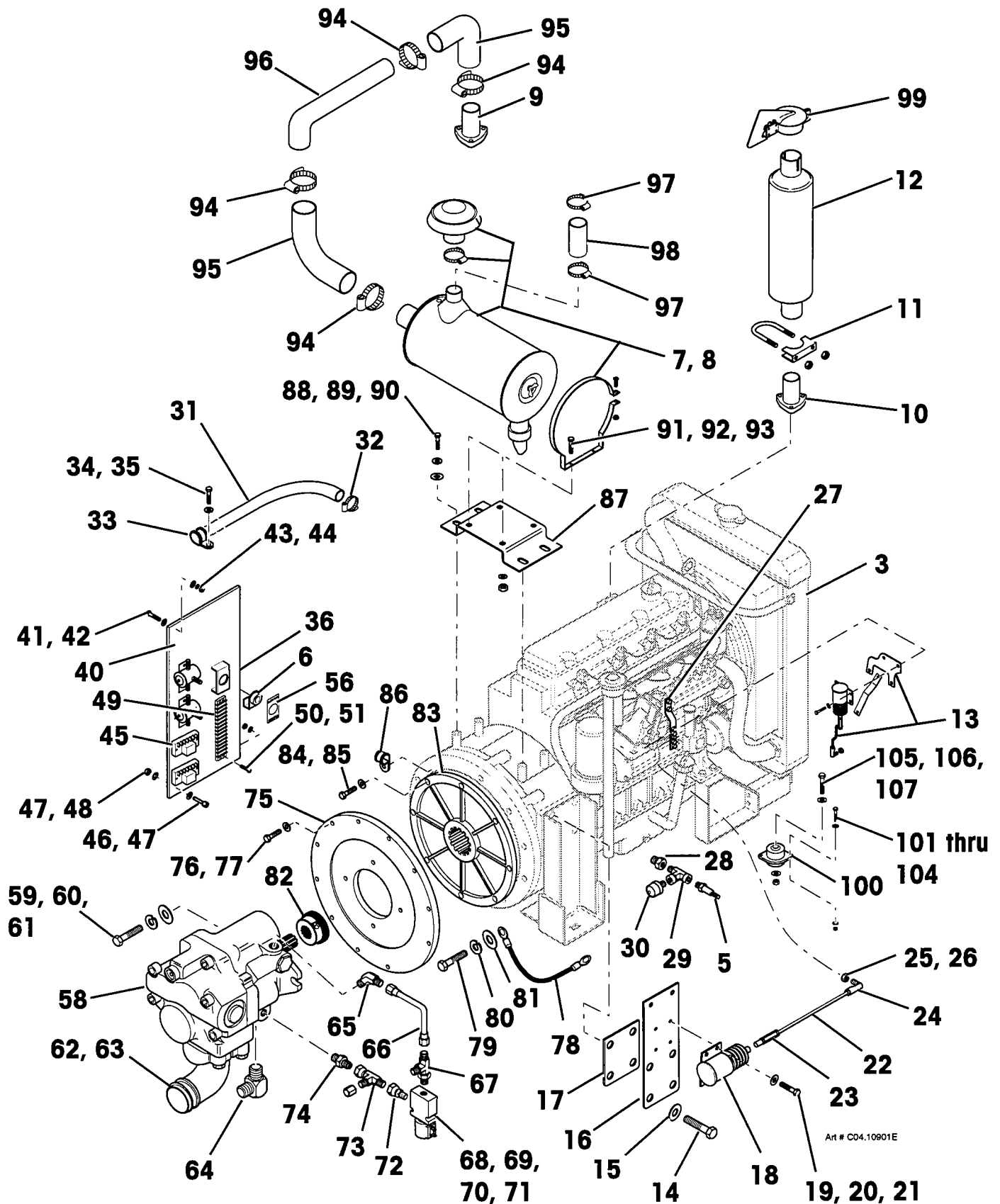
PLATE NO.

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 6230		ENGINE GROUP (Isuzu C-240; RP 46, T-40)	1
2	354 5343		ENGINE ASSEMBLY (Isuzu C-240)	1
3	231 9100		ENGINE (modified with new engine mounting plate)	1
4	09-049200		ENGINE (Isuzu C-240 liquid cooled Diesel)	1
5	---		SWITCH, OIL PRESSURE (comes with engine)	1
6	---		LAMP, GLOW PLUG INDICATOR (comes with engine)	1
7	---		AIR CLEANER ASSEMBLY (comes with engine)	1
8	---		ELEMENT, AIR FILTER (comes with engine)	1
9	---		PIPE, INTAKE (Straight) (comes with engine)	1
10	---		PIPE, EXHAUST (Straight) (comes with engine)	1
11	---		CLAMP, MUFFLER (comes with engine)	1
12	---		MUFFLER (comes with engine)	1
13	---		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
14	---		BOLT, HEX HEAD (comes with engine)	4
15	---		WASHER (comes with engine)	4
16	236 7080		BRACKET, THROTTLE SOLENOID	1
17	236 7090		SPACER, THROTTLE SOLENOID BRACKET	1
18	03-456900		SOLENOID, THROTTLE (4-bolt mount) (with module)	1
19	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
20	07-060014		WASHER, FLAT (1/4", SAE)	8
21	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
22	11-008005		ROD, THREADED (1/4"-28, Grade 5) (3 ft [.91 m] long piece. Cut to fit. 13" [.33 m] long piece needed here.)	1
23	09-016402		BALL JOINT (1/4"-28, straight)	1
24	09-016403		BALL JOINT (1/4"-28, 90°)	1
25	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
26	07-065014		WASHER, HELICAL LOCK (1/4")	1
27	236 0160		ARM, THROTTLE LEVER	1
28	06-211300		ADAPTER, BSP TO NPT (1/8 x 1/8 F3HG-S)	1
29	06-074600		STREET TEE (1/8 MRO-S) (2MP-2FP-2FP)	1
30	09-052200		SENDING UNIT, OIL PRESSURE GAUGE (0-100 psi [690 kPa])	1
31	05-081900		FUEL LINE (5/16") (Vent, valve cover breather) (Bulk item, order as needed. 2.4 ft [.73 m] used here.)	A.R.
32	09-004600		CLAMP, WORM (1/4" to 5/8")	1
33	10-061200		CLAMP, LOOP (G-12, 3/4")	1
34	07-005147		CAP SCREW, HEX HEAD (M8-1.25 x 16 mm, Grade 8.8)	1
35	07-066005		WASHER, HELICAL LOCK (8 mm)	2
TITLE			ENGINE ASSEMBLY, ISUZU C-240 DIESEL	
SECTION	08.	PLATE NO.	66	PAGE 01
REV.	-	DATED	1 MAY, 1997	PART NO.
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Art # C04.10901E

Simon Aerials Inc.
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

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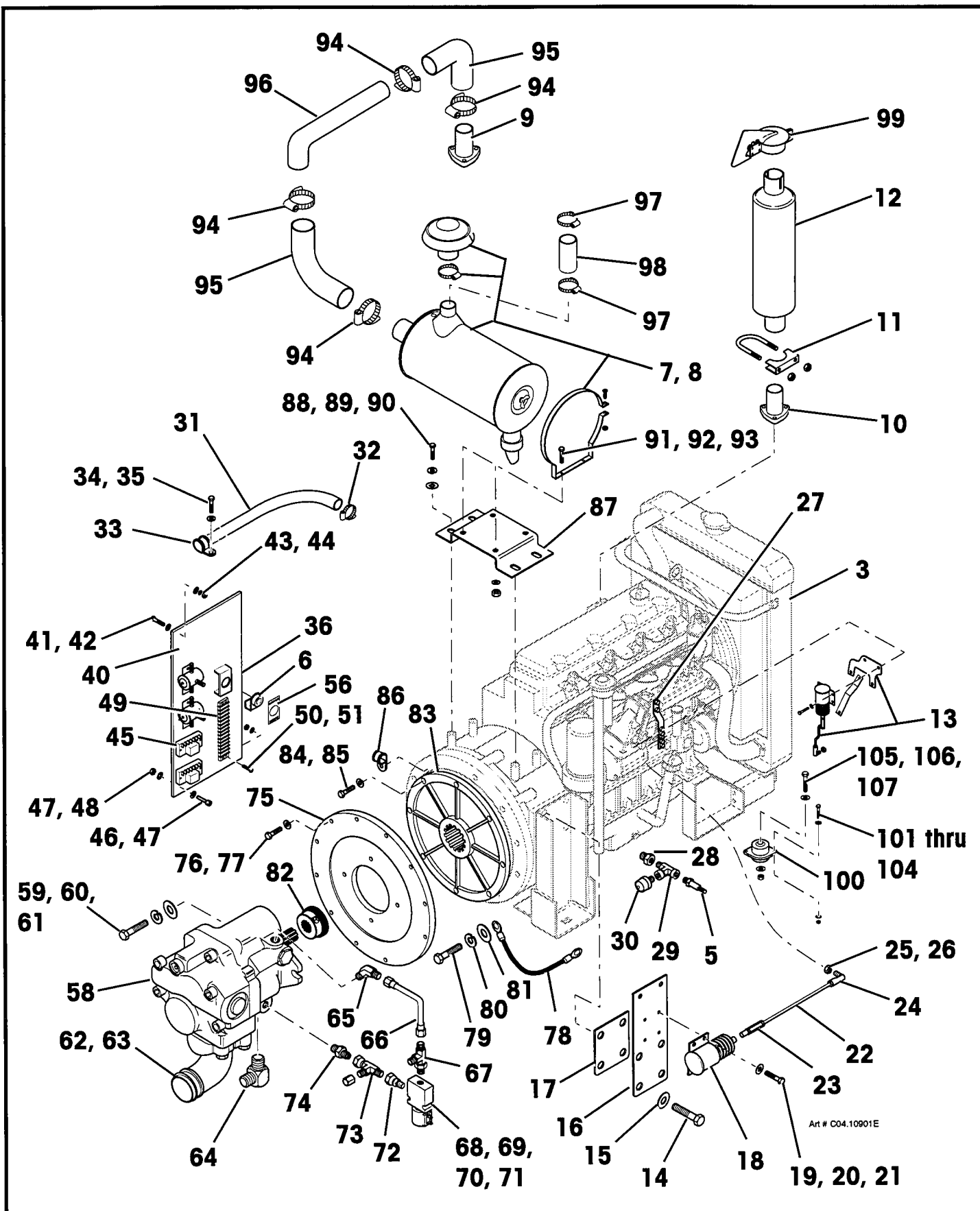
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	235 2040		ENGINE ASSEMBLY (continued)	
37	06-059000		PANEL, ENGINE ACCESSORY	1
38	07-060016		SPACER (Sleeve 6 TX-S)	4
39	07-050016		WASHER, FLAT (3/8", SAE)	8
40	03-051300		NUT, STOP (3/8"-16)	4
41	07-003002		RELAY (12 Volt DC, single pole, single throw)	2
42	07-060014		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
43	07-111600		WASHER, FLAT (1/4", SAE)	4
44	07-050014		WASHER, EXTERNAL TOOTH LOCK (1/4")	2
45	03-456803		NUT, LOCK (1/4"-20, Grade 5)	4
46	07-008354		MODULE, THROTTLE SOLENOID	2
47	07-062009		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4")	4
48	07-050011		WASHER, FLAT (#8)	8
49	03-468700		NUT, STOP (#10-24)	4
50	07-011334		BLOCK, TERMINAL (14 station)	1
51	07-050007		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
52	07-003002		NUT, STOP (#6-32, Grade 5)	2
53	07-060014		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	
54	07-111600		(Panel ground, used on some earlier versions. Not shown.)	1
55	07-050014		WASHER, FLAT (1/4", SAE)	1
56	10-115800		WASHER, EXTERNAL TOOTH LOCK (1/4")	1
57	07-060014		NUT, LOCK (1/4"-20, Grade 5)	1
58	01-236900	D08.15	DECAL, "GLOW PLUG INDICATOR"	1
59	07-003127		WASHER, FLAT (1/4", SAE)	1
60	07-060021		PUMP ASSEMBLY, HYDRAULIC (marked "PAVC 65 X 3224")	
61	07-065021		(50 c.c./ rev. output)	1
62	06-216700		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
63	06-216600		WASHER, FLAT (5/8")	2
64	06-045600		WASHER, HELICAL LOCK (5/8")	2
			FLANGE, SUCTION FITTING (1-1/2")	
			(includes two flange halves and mounting hardware)	1
			90° FITTING (1-1/2" stem to 1-1/2" hose)	1
			90° ELBOW, "O"-RING TO 37° (12-16 C50X-S)	
			(12MJ-16MB 90°)	1

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

Simon Aerials Inc.
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SECTION 08. PLATE NO. 66 PAGE 02 REV. - DATED 1 MAY, 1997 PART NO.



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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
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PARTS LIST

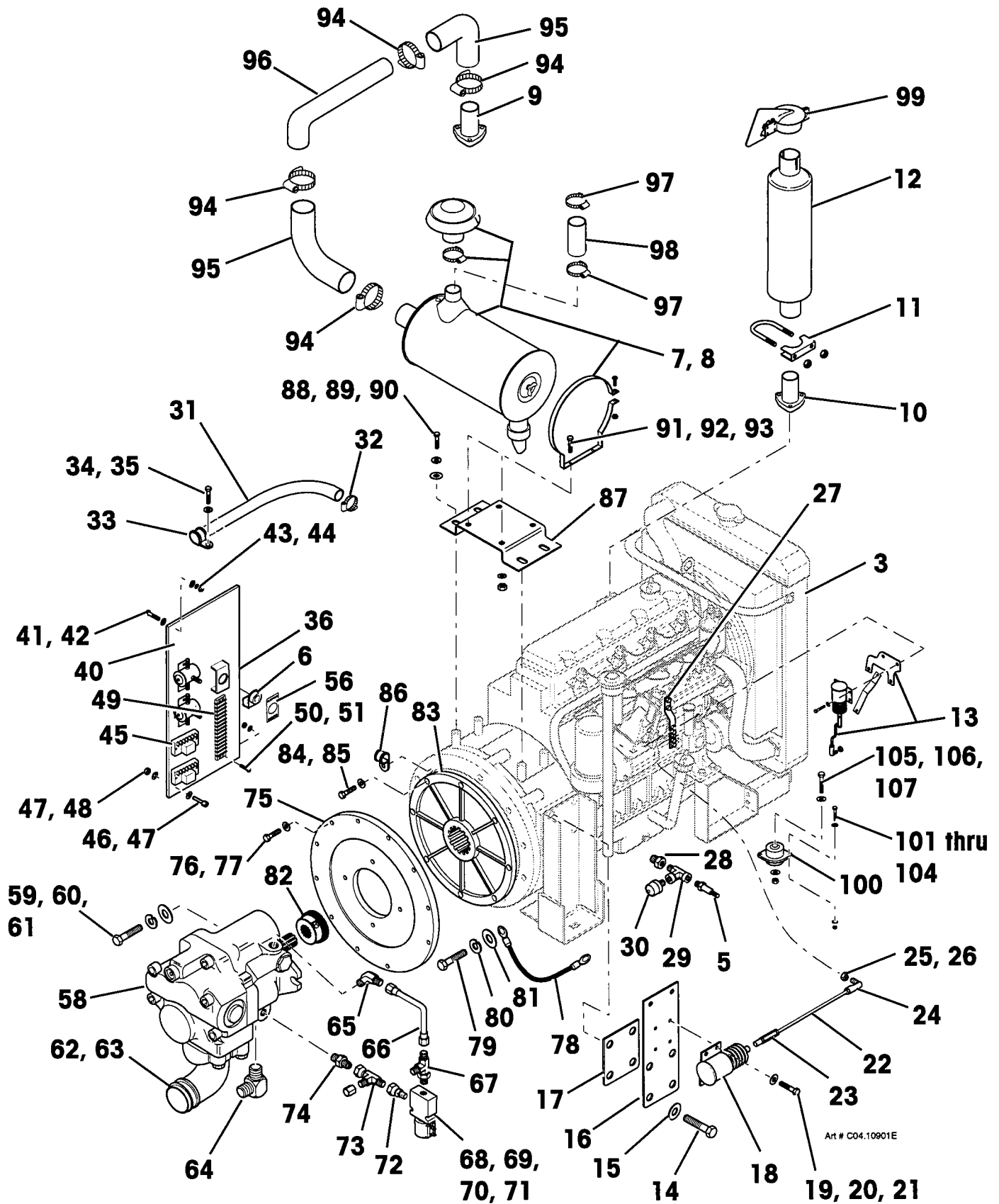
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
65	06-047000		ENGINE ASSEMBLY (continued)	
66	353 6550		45° ELBOW, "O"-RING TO 37° (6 V50X-S) (6MJ-6MB 45°)	1
67	06-048500		TUBE, HYDRAULIC	1
68	01-013900		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S) (6MB-6MJ-6MJ)	1
69	01-013700		VALVE BLOCK, CARTRIDGE	1
70	01-013701		VALVE, TWO-WAY (Solenoid operated)	1
71	01-013702		SEAL KIT, VALVE	1
72	06-079000		COIL (12 Volt DC)	1
73	06-054500		CONNECTOR, SWIVEL NUT (6 F650X-S)	1
74	06-191900		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (6SJX-6MJ-6MJ)	1
75	02-036500		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) (6MJ-4MB)	1
			ADAPTER, PUMP (1/2" [13 mm] thick)	
76	07-003046		(12 hole, 14-1/4" pilot flywheel housing to "C" [2 hole, 5" pilot] pump mount)	1
77	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	12
78	03-735800		WASHER, HELICAL LOCK (3/8")	12
79	07-005184		STRAP, GROUND (Braided, 12" [30.5 cm] long)	1
80	07-066006		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	1
81	07-060016		WASHER, LOCK (10 mm)	1
82	02-048700		WASHER, FLAT (3/8", SAE)	2
83	02-046200		HUB, PUMP COUPLING (1.25", 14 tooth spline)	1
84	07-003046		FLANGE, PUMP COUPLING.	1
85	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	8
86	10-061200		WASHER, HELICAL LOCK (3/8")	8
87	218 0190		CLAMP, LOOP (G-12, 3/4")	1
88	07-005184		BRACKET, AIR CLEANER	1
89	07-066006		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	4
90	07-062016		WASHER, LOCK (10 mm)	4
91	07-003045		WASHER, FLAT (3/8")	4
92	07-050016		CAP SCREW, HEX HEAD (3/8"-16 x 1")	4
93	07-060016		NUT, STOP (3/8"-16)	4
94	09-015000		WASHER, FLAT (3/8", SAE)	4
95	09-018900		CLAMP, HOSE (Worm type) (3")	4
96	09-051100		ELBOW, RUBBER (2" I.D.)	2
			PIPE, AIR INTAKE (Metal)	1

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

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Simon Aerials Inc.
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Art # C04.10901E

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
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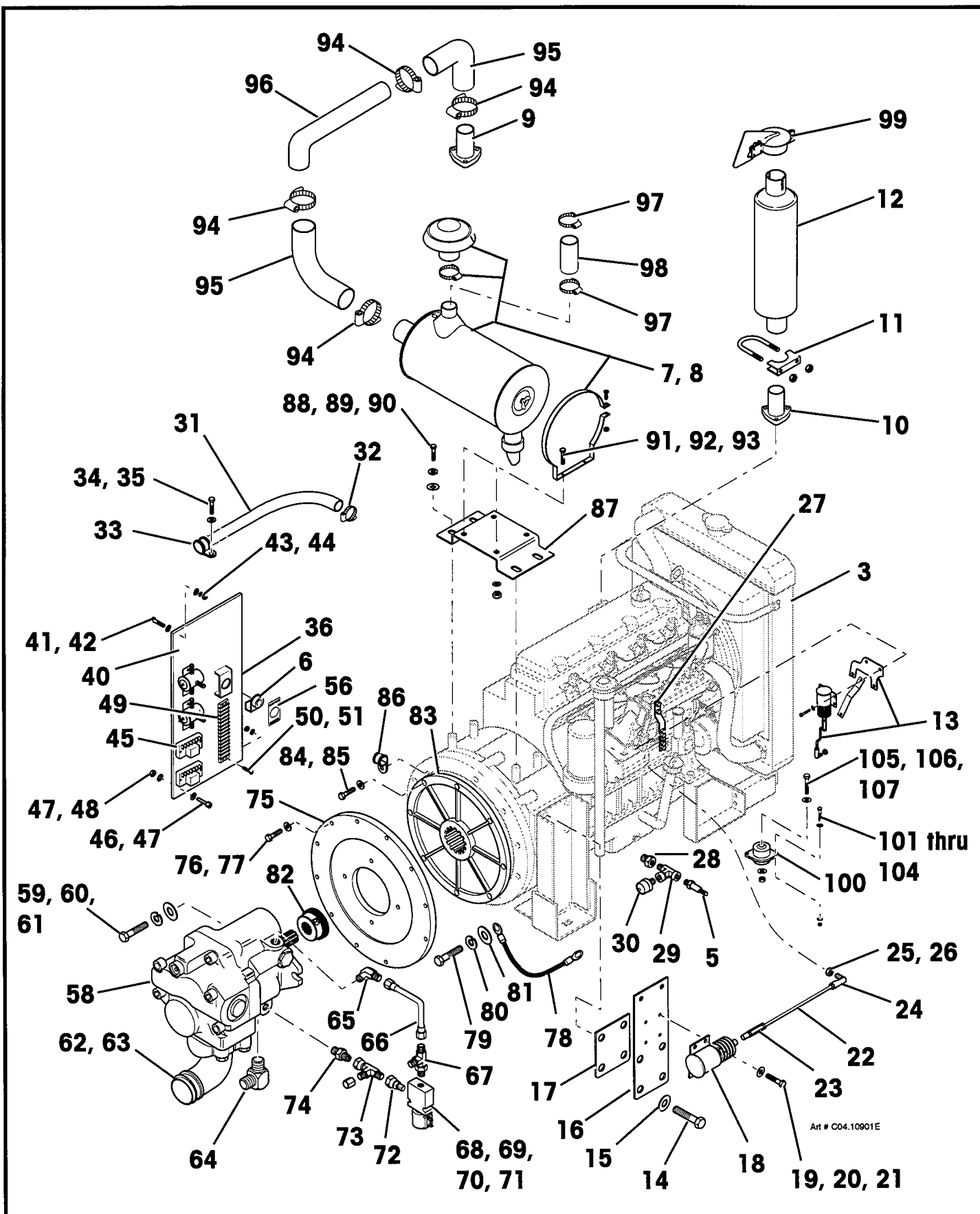
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Art # C04.10901E

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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

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DATED

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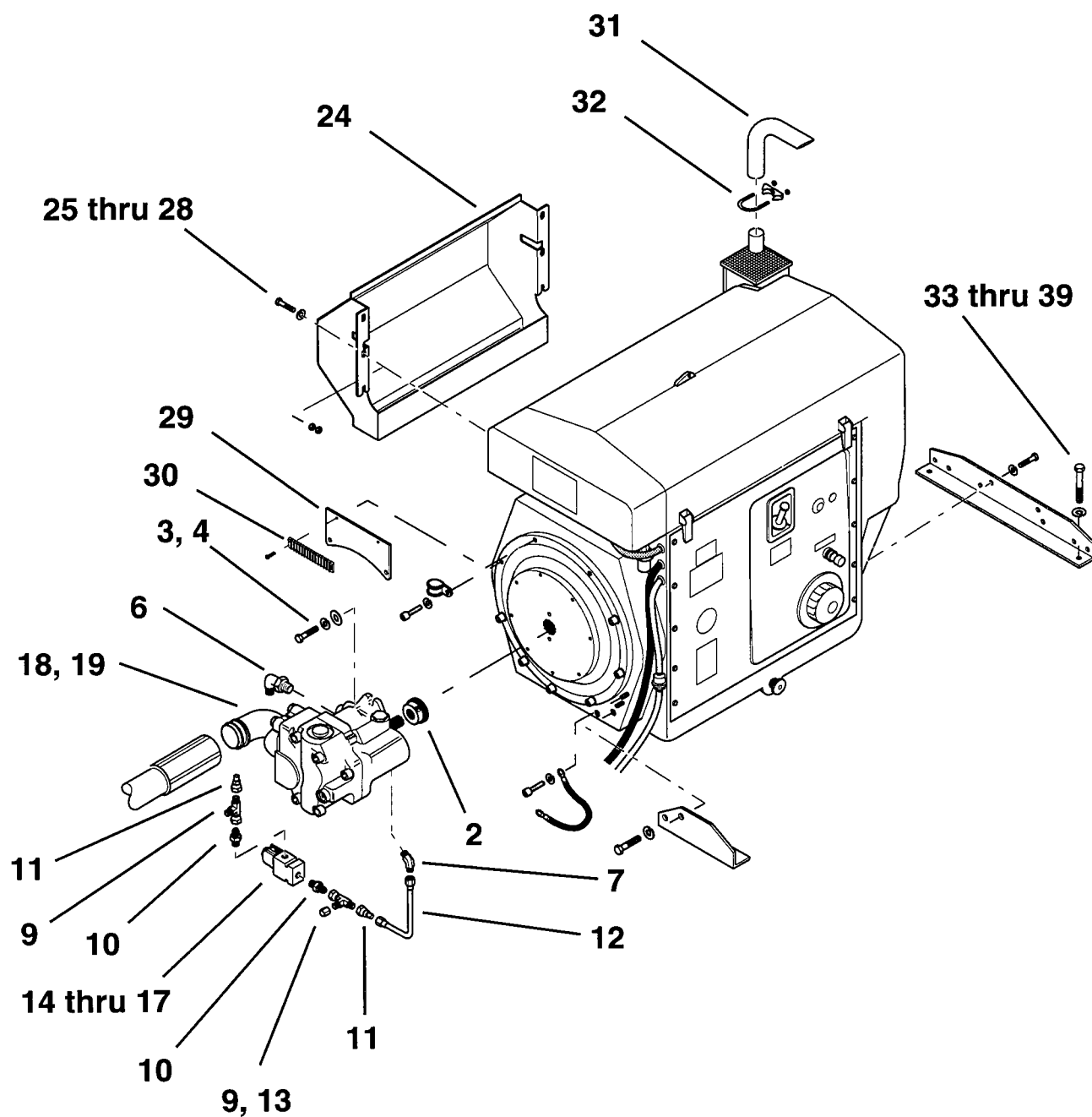
PLATE NO.

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-055600		ENGINE ASSEMBLY (Hatz 3L 40C "Silent Pak" air cooled 3 cylinder Diesel)	1
2	02-048700		HUB, PUMP	1
3	07-005184		CAP SCREW, HEX HEAD (M 14-2.0 x 44 mm)	2
4	07-090163		WASHER, LOCK M14	2
5	01-236900		PUMP ASSEMBLY, HYDRAULIC (marked "PAVC 65 x 3224)	1
6	06-045800		90° ELBOW , "O"-RING TO 37° (16C50X-S)	1
7	06-047000		45° ELBOW , "O"-RING TO 37° 6V50X-S (6MJ-6MB 45°)	1
8	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R50X-S) (6SJX-6MJ-6MJ)	1
9	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S) (6MB-6MJ-6MJ)	1
10	06-191900		ADAPTER, "O"-RING TO 37° (6-4F50X-S) (6MJ-4MB)	1
11	06-079000		CONNECTOR, SWIVEL NUT (6F650X-S)	1
12	353 6550		TUBE, HYDRAULIC	1
13	06-064000		CAP, HYDRAULIC	1
14	01013900		VALVE BLOCK, CARTRIDGE	1
15	01-013700		VALVE, TWO WAY (Solenoid operated)	1
16	01-013701		SEAL KIT, VALVE	1
17	01-013702		COIL (12 Volt DC)	1
18	06-216700		FLANGE, SUCTION FITTING (1-1/2") (includes two flange halves and mounting hardware)	1
19	06-216600		90° FITTING (1-1/2" stem to 1-1/2" hose)	1
20	07-003127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
21	07-060021		WASHER, FLAT (5/8")	2
22	07-065021		WASHER, HELICAL LOCK (5/8")	2
TITLE ENGINE ASSEMBLY, HATZ 3L 40C DIESEL (PLATE 1 OF 2)				
PLATE NO.	08.67	SIMON AERIALS INC. NEW 6 MAY, 1997		PART NO. 354 5601



TITLE ENGINE ASSEMBLY, HATZ 3L 40C DIESEL (PLATE 1 OF 2)

SIMON AERIALS INC.

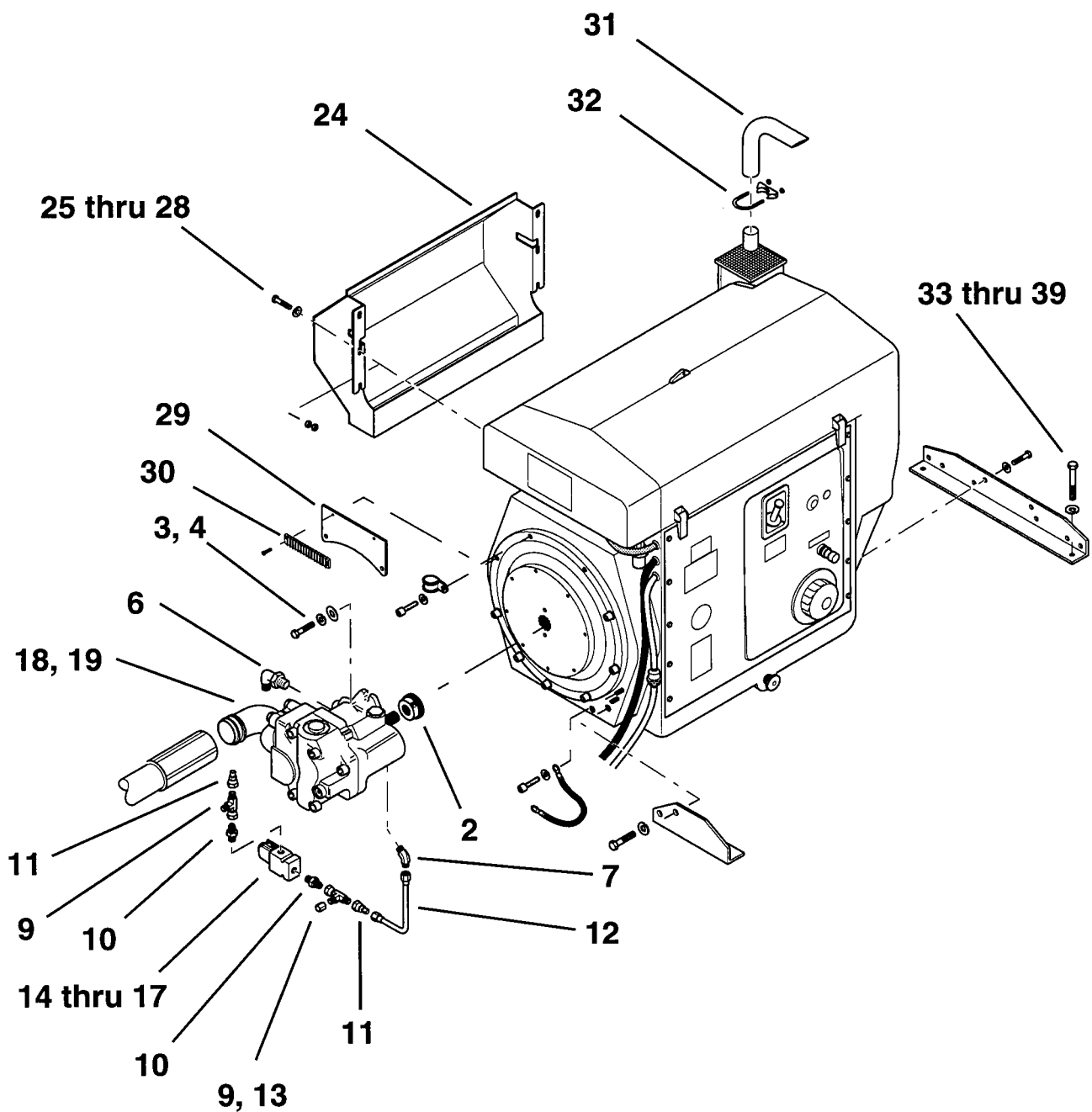
NEW 6 MAY, 1997

PART NO. 354 5601

PLATE NO. 08.67

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PLATE NO. 08.67	SIMON AERIALS INC. NEW 6 MAY, 1997	PART NO. 354 5601
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TITLE ENGINE ASSEMBLY, HATZ 3L 40C DIESEL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 6 MAY, 1997

PART
NO.

354 5601

PLATE
NO.

08.67

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 6740 354 2450		PLATFORM CONSOLE ASSEMBLY for Model AT 45 for Model AT 60	
1	231 9060		CONSOLE WELDMENT, PLATFORM CONTROL for some earlier AT 45's (Dim. "X" = 3-1/4" [83 mm])	1
2	233 8700 10-221400		for later AT 45's and all AT 60's (Dim. "X" = 2-1/4" [57 mm]) PLACARD, PLATFORM CONTROL VALVE Use with Console Weldment 231 9060 (see above).	1
			Note: AT 45, S/N CDA 00149 and 150 require Placard 10-243900, even though original Placard is identified as 10-221400.	
3	10-243900 353 7440	29.08	Use with Console Weldment 233 8700 (see above) VALVE, DRIVE CONTROL	1
4	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
5	07-062014		WASHER, FLAT (1/4")	8
6	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
7			VALVE BANK, PLATFORM CONTROL	1
8	353 6840 354 2440 07-111500	06.26 06.29	for Model AT 45 for Model AT 60 CAP SCREW, BUTTON HEAD (5/16"-24 x 1")	4
9	01-001900		VALVE, CHECK (Pilot operated)	1
10	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	4
11	07-004047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 8)	2
12	07-062016		WASHER, FLAT (3/8")	4
13	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
14	01-034400		VALVE, 2 WAY (includes coil)	1
15	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
16	06-044600		ELBOW, STRAIGHT THREAD (6 C50X-S)	1
17	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2
18	07-062014		WASHER, FLAT (1/4")	4
19	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
20	03-501800		ALARM, TILT (Dual tone)	1
21	232 2990		FITTING, HAND REST MOUNTING (Modified 8 PNTX-S)	2
22	211 4330		FITTING, GRAB BAR MOUNTING (Modified 12 PNTX-S)	2
23	07-003083		CAP SCREW, HEX HEAD (1/2"-13 x 3/4", Grade 5)	4
24	07-065018		WASHER, HELICAL LOCK (1/2")	4
25	07-029365		SCREW, TEK (#12-14 x 1", bonded, sealing head)	2

TITLE PLATFORM CONSOLE ASSEMBLY, AT SERIES (FULL HYD.) (PLATE 1 OF 2)

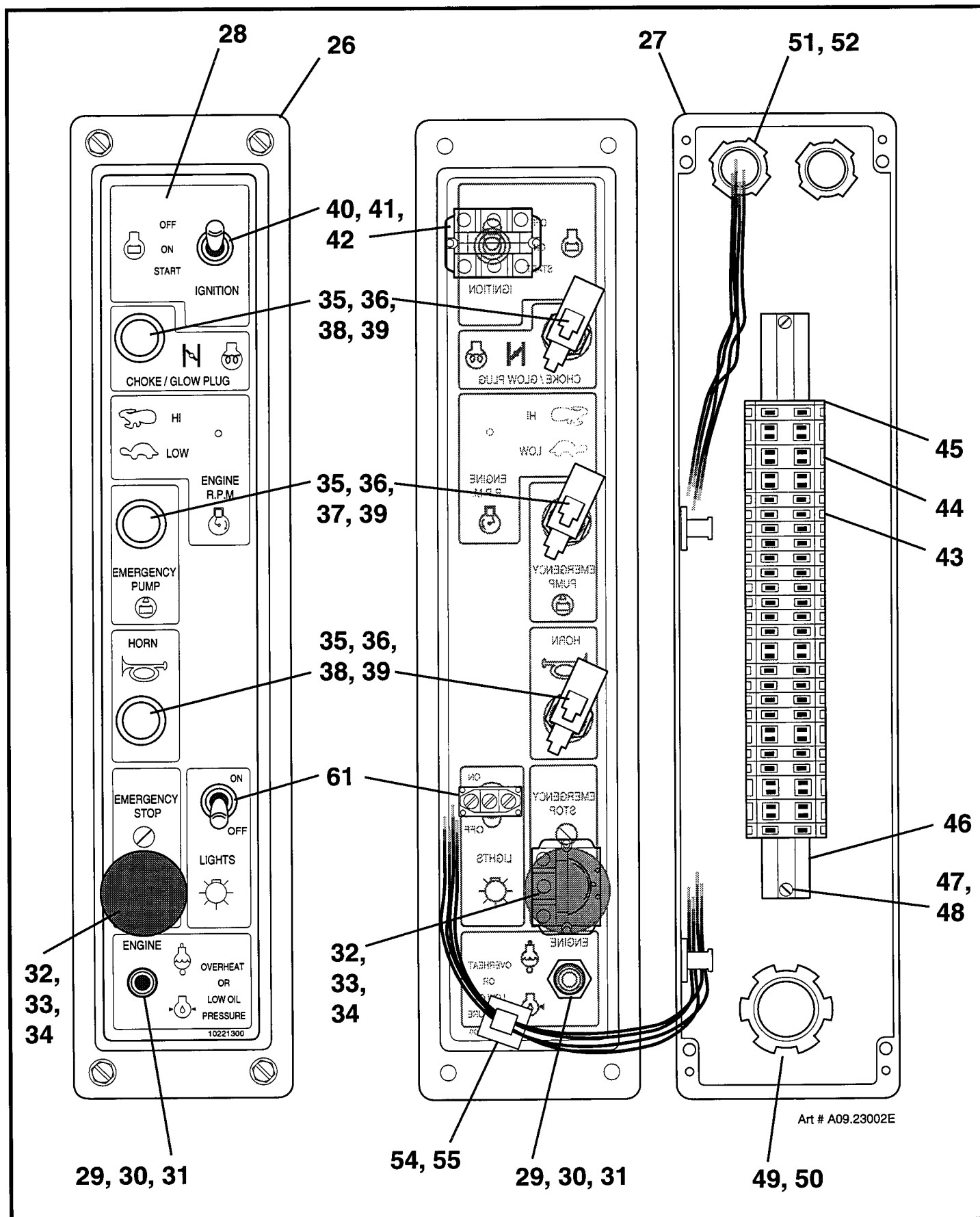
PLATE NO.	09.23	SIMON AERIALS INC.	REV.18 MAY, 1995	PART NO.
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26	353 6830		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
27	219 9360		BOX, ELECTRICAL (Drilled. Includes cover and screws)	1
28	10-221300		DECAL, PLATFORM ELECTRICAL BOX	1
29	03-481200		DIODE, BLINKING (Red L.E.D.) (Engine warning)	1
30	03-481300		HOLDER, DIODE	1
31	03-481100		RESISTOR (470 Ohm)	1
32	03-702000		BUTTON, EMERGENCY STOP (Red, "pull to release" type)	1
33	03-454900		BASE, CONTACT BLOCK	1
34	03-496300		BLOCK, CONTACT (Normally closed)	1
35	03-402500		SWITCH (10 Amp, 250 Volt AC)	3
36	03-402600		SEAL, SWITCH BEZEL	3
37	03-402700		BUTTON, SWITCH (Red) (Emergency Pump)	1
38	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	2
39	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	3
40	03-032600		SWITCH, TOGGLE (Engine start) (3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
41	03-454900		BASE, CONTACT BLOCK	1
42	03-437300		BLOCK, CONTACT (Normally closed)	1
43	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19
44	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8
45	03-036700		PLATE, TERMINAL BLOCK END	1
46	03-036600		RAIL, TERMINAL [1 M (39.37") long section] [9" (229 mm) long piece needed for this application]	1
47	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
48	07-050007		NUT, STOP (#6-32, Grade 5)	2
49	03-063200		GRIP, CORD (3/4", sealing)	1
50	03-055600		NUT, CONDUIT LOCK (3/4")	1
51	03-045500		GRIP, CORD (1/2")	2
52	03-055500		NUT, CONDUIT LOCK (1/2")	2
53	03-439000		TIE, CABLE [3-5/8" (92 mm) long]	2
54	03-064000		TIE, CABLE [6-3/4" (171 mm) long]	20
55	03-064100		MOUNT, CABLE TIE (Adhesive backed)	5
56	03-091200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	9
57	03-092200		COUPLING, MALE (insulated, #14-#16 AWG)	4
58	03-092300		COUPLING, FEMALE (insulated, #14-#16 AWG)	10
59	03-099000		TERMINAL, BUTT (Blue, #14-#16 AWG)	1
60	03-497900		PLUG, PLASTIC (1/2" dia., "Panel seal", to fill unused toggle switch holes)	A.R.
61	03-020400		SWITCH, TOGGLE (for optional lights) (2 position, maintained, single pole, single throw)	1

TITLE PLATFORM CONSOLE ASSEMBLY, AT SERIES (FULL HYD.) (PLATE 2 OF 2)

PLATE NO.	09.23	SIMON AERIALS INC.	REV.18 MAY, 1995	PART NO.
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TITLE PLATFORM CONSOLE ASSEMBLY, AT SERIES (FULL HYD.) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV.18 MAY, 1995

PART
NO.

PLATE
NO. 09.23

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-028200		CYLINDER, MASTER (Type 1) Note: On a "Type 1" Cylinder, the port tube has a bend at the end , and enters the cylinder side wall directly . The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix .	1
	04-030400		CYLINDER, MASTER (Type 2) Note: On a "Type 2" Cylinder, the port tube has no bend at the end, and enters a cylindrical boss welded to the cylinder side wall. The six-digit cylinder serial number stamped on the cylinder side wall has no "A" prefix .	1
	04-032600		CYLINDER, MASTER (Type 3) Note: On a "Type 3" Cylinder, the port tube has no bend at the end, and enters a round top boss welded to the cylinder side wall. The serial number will be found on a nameplate attached to the holding valve.	1
			Note: When ordering a REPLACEMENT CYLINDER , "Type 3" will be supplied.	
2	04-028202		CARTRIDGE, HOLDING VALVE (for "Type 1" Cylinder)	2
	04-028202		(for "Type 2" Cylinder)	2
	04-028202		(for "Type 3" Cylinder)	2
3	04-028204		SEAL KIT, HOLDING VALVE	1
4	04-032602		NUT, LOCK (for "Type 3" Cylinder)	1
5	04-032603		PISTON (for "Type 3" Cylinder)	1
6	04-032604		HEAD (for "Type 3" Cylinder)	1
7	04-032605		ROD (for "Type 3" Cylinder)	1
8	04-032606		BUSHING (for "Type 3" Cylinder)	4
9			SEAL KIT	
	04-028201		(for "Type 1" Cylinder)	1
	04-030401		(for "Type 2" Cylinder)	1
	04-032601		(for "Type 3" Cylinder)	1
			The following items are not included as part of the Master Cylinder Assembly:	
10	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
11	06-039300		CONNECTOR, STRAIGHT THREAD (4 F50X-S)	1
12	06-039500		ADAPTER (4-6 F50X-S)	1
13	08-050000		FITTING, GREASE (1/8", Straight)	1
14	08-051300		FITTING, GREASE (1/8" x 90°)	1
15	08-066300		CAP, GREASE (white plastic)	2

TITLE

MASTER CYLINDER

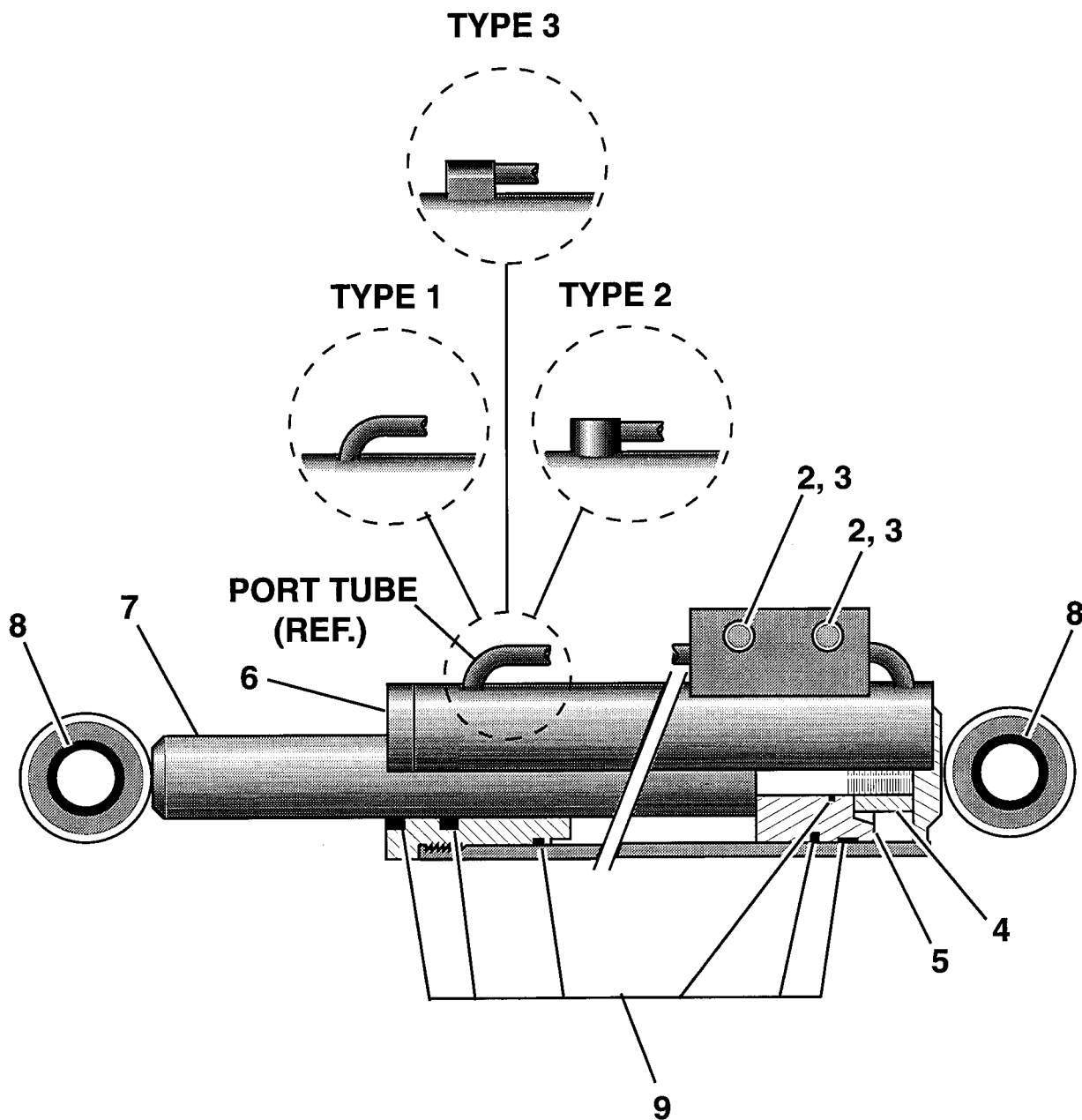
PLATE
NO.

11.06

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART
NO.



TITLE

MASTER CYLINDER

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART
NO.

PLATE
NO. 11.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-028300		CYLINDER, SLAVE (Type 1) Note: On a "Type 1" Cylinder, the port tube has a bend at the end , and enters the cylinder side wall directly . The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix .	1
	04-030500		CYLINDER, SLAVE (Type 2) Note: On a "Type 2" Cylinder, the port tube has no bend at the end, and enters a cylindrical boss welded to the cylinder side wall. The six-digit cylinder serial number stamped on the cylinder side wall has no "A" prefix .	1
	04-032700		CYLINDER, SLAVE (Type 3) Note: On a "Type 3" Cylinder, the port tube has no bend at the end, and enters a round top boss welded to the cylinder side wall. The cylinder can also be identified by the Part Number "04032700SH" on a nameplate located on the valve block, along with the serial number.	1
			Note: When ordering a REPLACEMENT CYLINDER , "Type 3" will be supplied.	
2			CARTRIDGE, HOLDING VALVE (Counterbalance Valve)	
	04-028302		for "Type 1" Cylinder	2
	04-030502		for "Type 2" Cylinder	2
			for "Type 3" Cylinder	2
	04-028302		Type 3a (Valve is stamped "CB-CG-LJN")	2
	01-227200		Type 3b [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" holding valves are directly interchangeable, but must be replaced in pairs . When ordering a replacement holding valve, (2) of "Type 3b" will be supplied unless otherwise specified.	
3			SEAL KIT, COUNTERBALANCE VALVE	
	04-028303		(for Holding Valve for "Type 1" Cylinder)	1
	04-028303		(for "Type 3a" Holding Valve)	1
	01-227201		(for "Type 3b" Holding Valve)	1
4	04-032602		NUT, LOCK (for "Type 3" Cylinder)	1
5	04-032603		PISTON (for "Type 3" Cylinder)	1
6	04-032605		ROD (for "Type 3" Cylinder)	1
7	04-028301		BUSHING (for "Type 1" Cylinder)	4
	04-030504		BUSHING (for "Type 2" Cylinder)	4
	04-032606		BUSHING (for "Type 3" Cylinder)	4

TITLE

SLAVE CYLINDER (PLATE 1 OF 2)

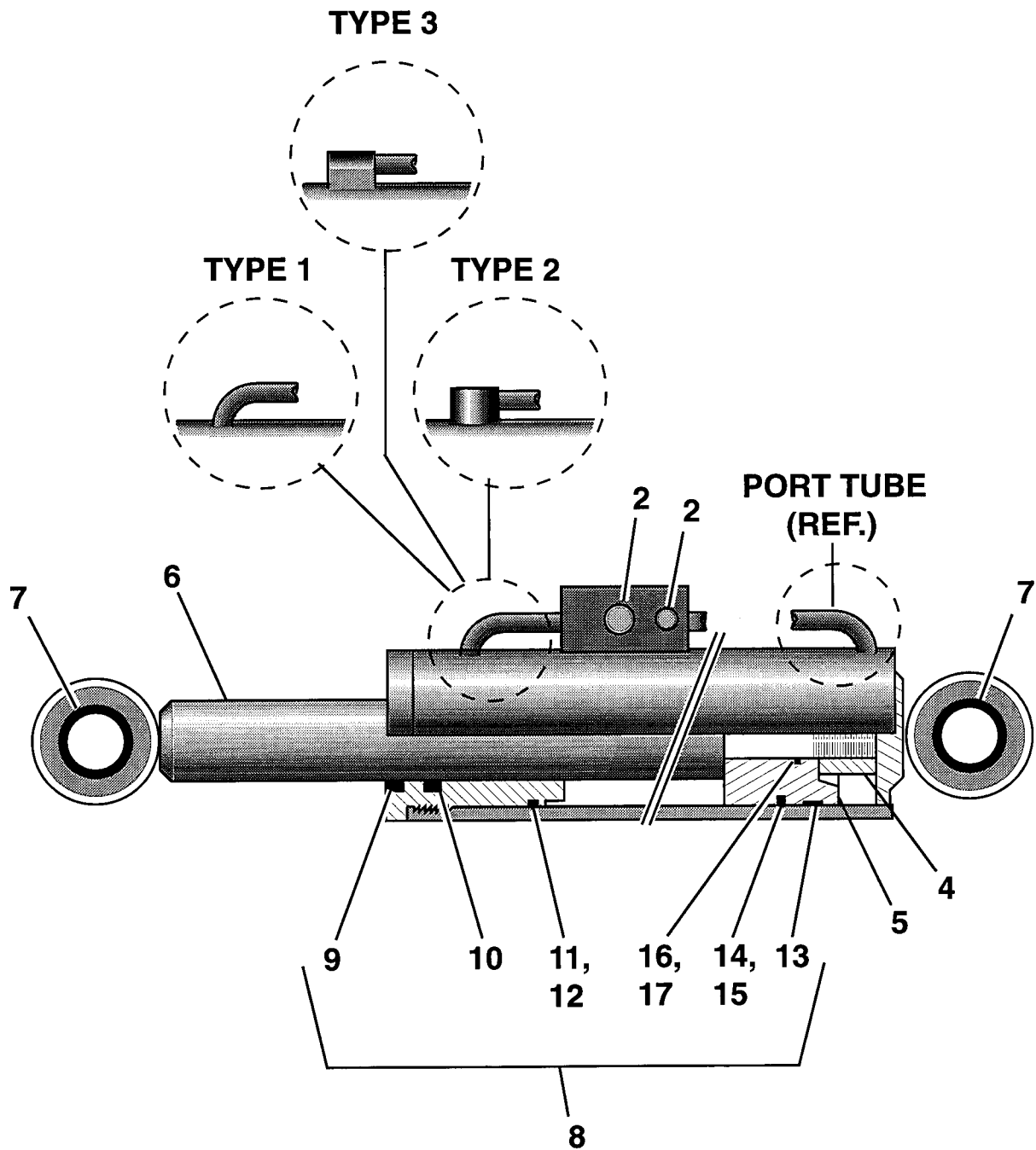
PLATE NO.

11.07

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART NO.



TITLE

SLAVE CYLINDER (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

PLATE
NO.

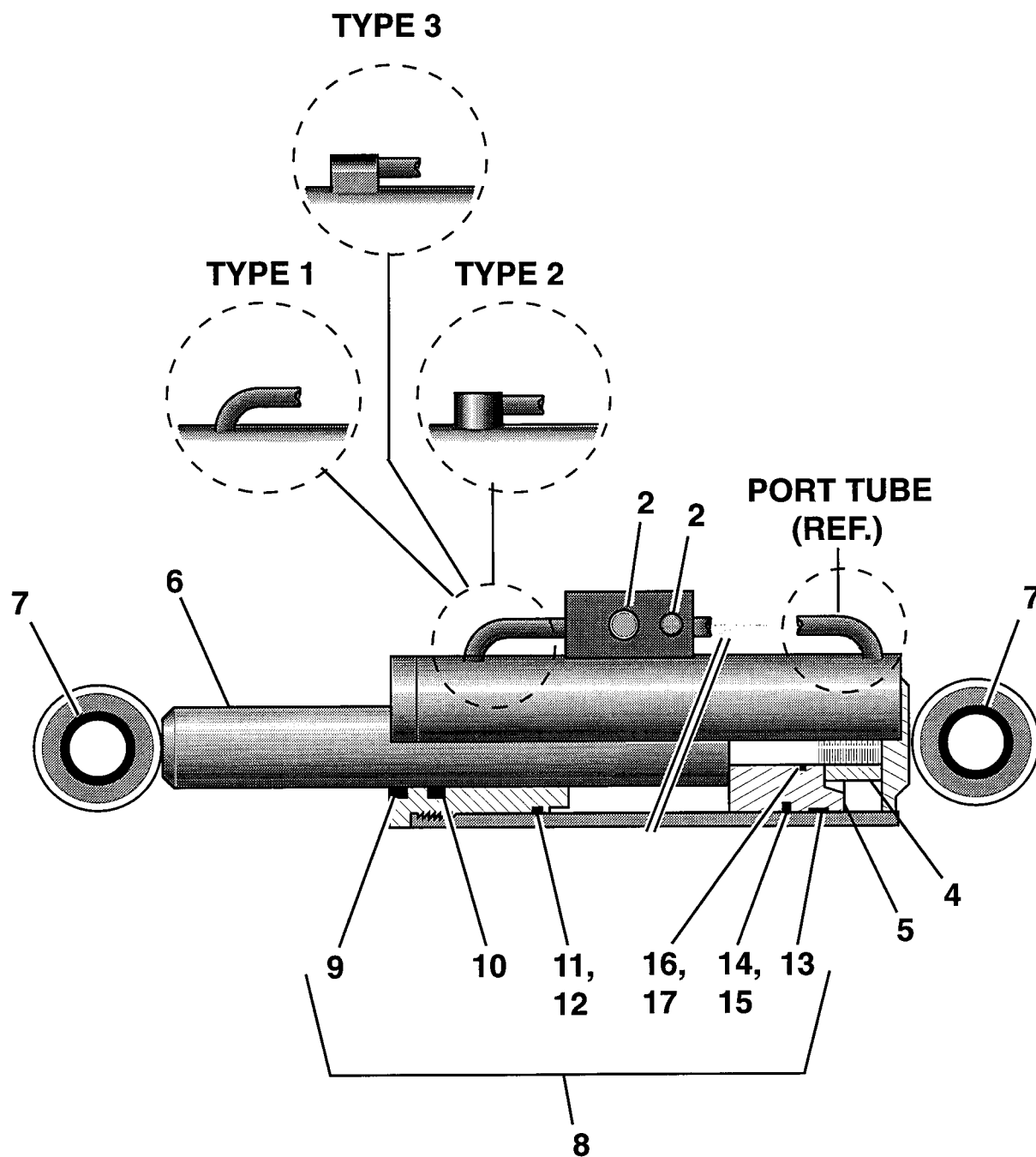
11.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
8	04-028201		SEAL KIT (for "Type 1" Cylinder)	1
	04-030401		SEAL KIT (for "Type 2" Cylinder)	1
	04-032701		SEAL KIT (for "Type 3" Cylinder)	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			WASHER, BACKUP	1
			The following items are not included as part of the Slave Cylinder Assembly:	
18	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X)	2
19	08-051300		FITTING, GREASE (1/8" x 90°)	2
20	08-066300		CAP, GREASE FITTING (white plastic)	2

TITLE	SLAVE CYLINDER (PLATE 2 OF 2)
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PLATE NO.	11.07	SIMON AERIALS INC.	REV. 15 OCT., 1993	PART NO.
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TITLE

SLAVE CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

PLATE
NO.

11.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-029200		CYLINDER, TELESCOPE (Extend) (Type 1) Note: On a "Type 1" Cylinder, the port tube has a bend at the end , and enters the cylinder side wall directly . The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix .	1
	04-033000		CYLINDER, TELESCOPE (Extend) (Type 2) Note: On a "Type 2" Cylinder, the port tube has no bend at the end, and enters a round top boss welded to the cylinder side wall. The serial number will be found on a nameplate attached to the holding valve. Note: When ordering a REPLACEMENT CYLINDER , "Type 2" will be supplied.	1
2			CARTRIDGE, COUNTERBALANCE VALVE	
	04-028302		(for "Type 1" Cylinder)	2
	04-028302		(for "Type 2" Cylinder)	2
3	04-032602		NUT, LOCK (for "Type 2" Cylinder)	1
4	04-033002		PISTON (for "Type 2" Cylinder)	1
5	04-033003		HEAD (for "Type 2" Cylinder)	1
6	04-033003		ROD (for "Type 2" Cylinder)	1
7			SEAL KIT	
	04-028201		(for "Type 1" Cylinder)	1
	04-033001		(for "Type 2" Cylinder)	1
			The following items are not included as part of the Telescope Cylinder Assembly:	
8	214 5450		SUPPORT, CYLINDER	2
9	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
10	07-050016		NUT, HEX LOCK (3/8"-16, GRADE 5)	4
11	214 5460		GUIDE, CYLINDER TOP	1
12	07-090131		CAP SCREW, FLAT SOCKET HEAD (3/8"-16 x 3/4", Grade 5)	2
13	214 5440		SUPPORT, CYLINDER BOTTOM	1
14	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	2

TITLE TELESCOPE (EXTEND) CYLINDER

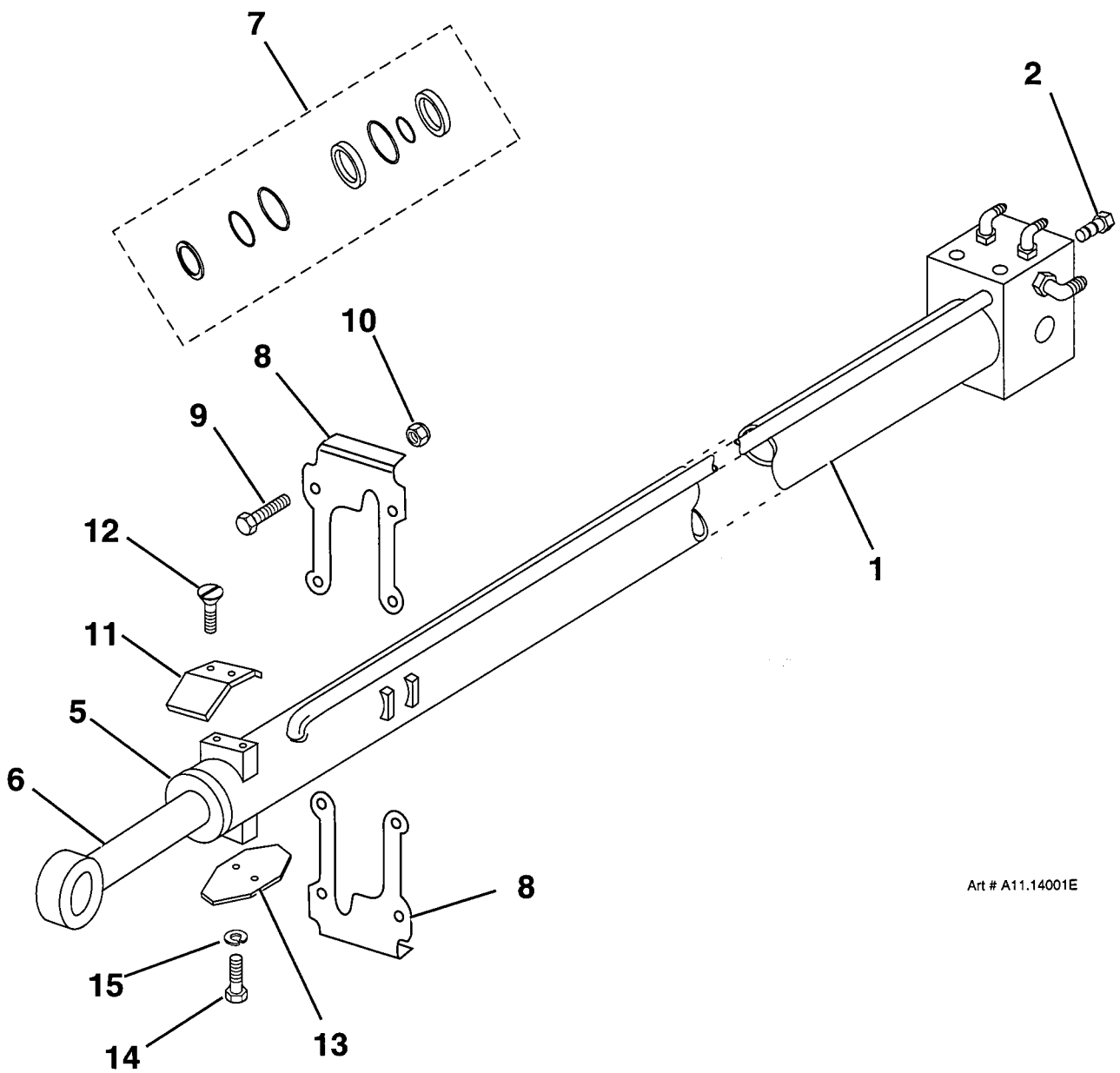
PLATE NO.

11.14

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART NO.



Art # A11.14001E

TITLE

TELESCOPE (EXTEND) CYLINDER

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART
NO.

PLATE
NO.

11.14

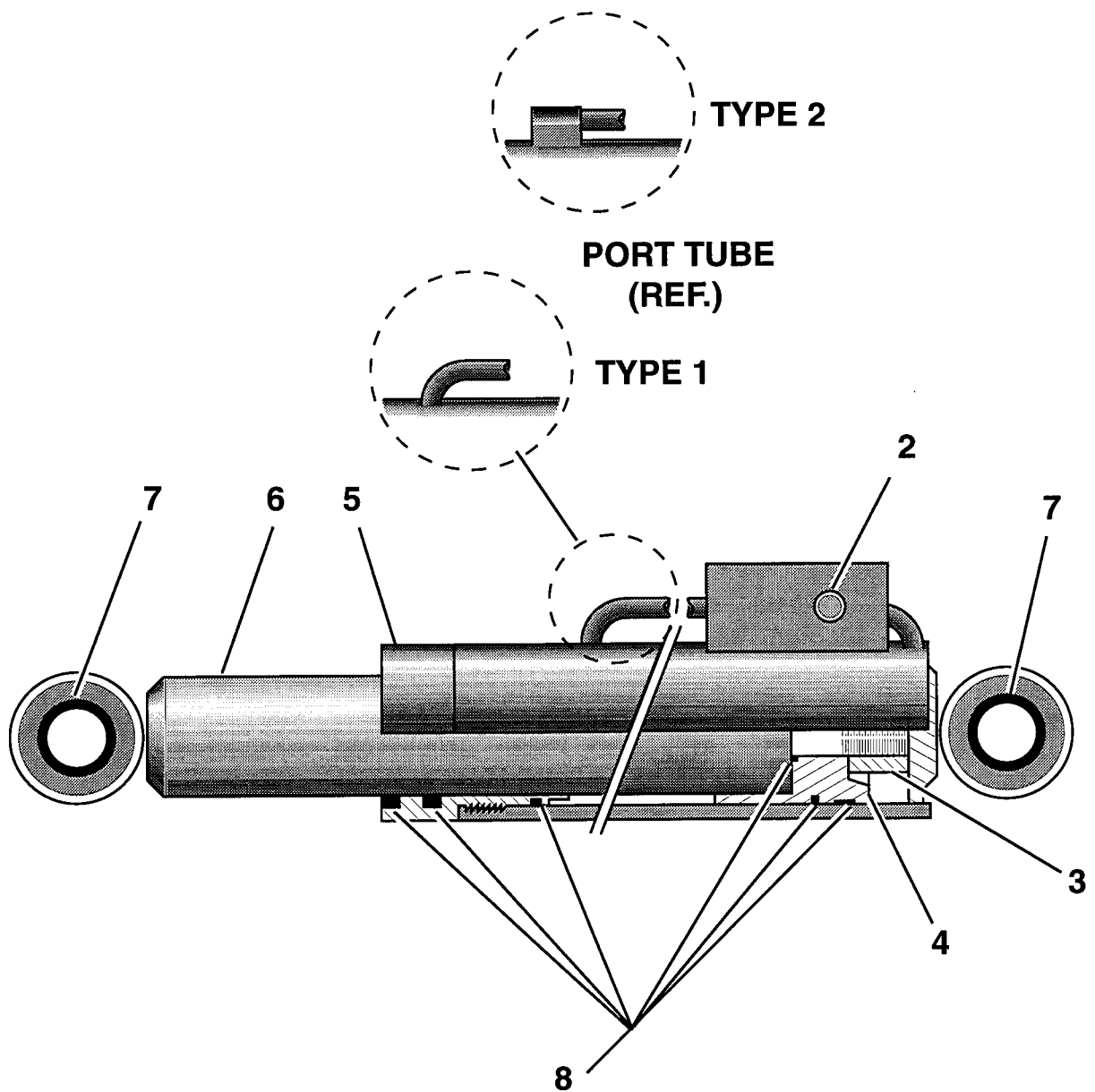
PARTS LIST

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TITLE	LIFT CYLINDER, MID AND UPPER BOOM (AT60)
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PLATE NO. 11.15	SIMON AERIALS INC.	REV. 15 AUG., 1994
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PART NO.



TITLE

LIFT CYLINDER, MID AND UPPER BOOM (AT60)

SIMON AERIALS INC.

REV. 15 AUG., 1994

PART
NO.

PLATE
NO.

11.15

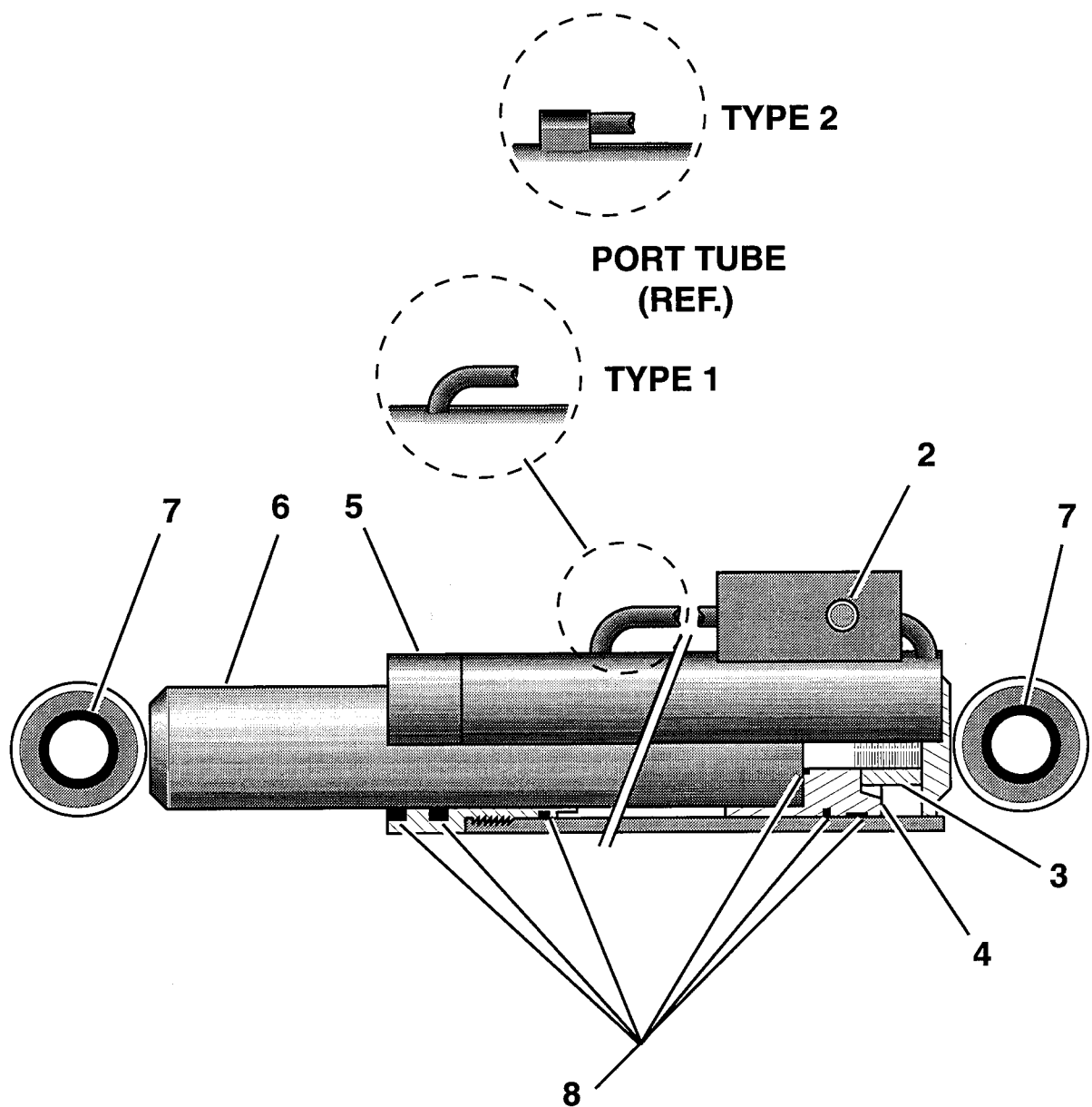
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-029800		CYLINDER, LIFT (Type 1) Note: On a "Type 1" Cylinder, the port tube has a bend at the end , and enters the cylinder side wall directly . The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix .	2
	04-032900		CYLINDER, LIFT (Type 2) Note: On a "Type 2" Cylinder, the port tube has no bend at the end, and enters a round top boss welded to the cylinder side wall. The serial number will be found on a nameplate attached to the holding valve. Note: When ordering a REPLACEMENT CYLINDER , "Type 2" will be supplied.	2
2			CARTRIDGE, COUNTERBALANCE VALVE (stamped "CBCG-LJN", and factory set at 3000 PSI [207 bar] [211 Kg/ cm2]) (for "Type 1" Cylinder)	1
	04-028302		(for "Type 2" Cylinder)	
3	04-032902		NUT, LOCK (for "Type 2" Cylinder)	1
4	04-032903		PISTON (for "Type 2" Cylinder)	1
5	04-032904		HEAD (for "Type 2" Cylinder)	1
6	04-032905		ROD (for "Type 2" Cylinder)	1
7	04-032906		BUSHING (for "Type 2" Cylinder)	4
8			SEAL KIT (for "Type 1" Cylinder)	1
	04-032901		SEAL KIT (for "Type 2" Cylinder)	1
TITLE LIFT CYLINDER, LOWER BOOM (AT60)				
PLATE NO.	11.16	SIMON AERIALS INC.		PART NO.
				REV. 15 AUG., 1994

PLATE NO. 11.16

SIMON AERIALS INC.

REV. 15 AUG., 1994

PART
NO.



TITLE

LIFT CYLINDER, LOWER BOOM (AT60)

SIMON AERIALS INC.

REV. 15 AUG., 1994

PART
NO.

PLATE
NO. 11.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04035200SH" stamped on cylinder case, side opposite fittings.	
1			CASE WELDMENT, CYLINDER	1
2			ROD WELDMENT, CYLINDER	1
3			PISTON	1
4			GLAND, HEAD	1
5			NUT, LOCK (1"-14)	1
6			BUSHING	4
7	04-035201		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	2
13			SEAL, PISTON	1
14			"O"-RING	1
15			WASHER, BACKUP	1

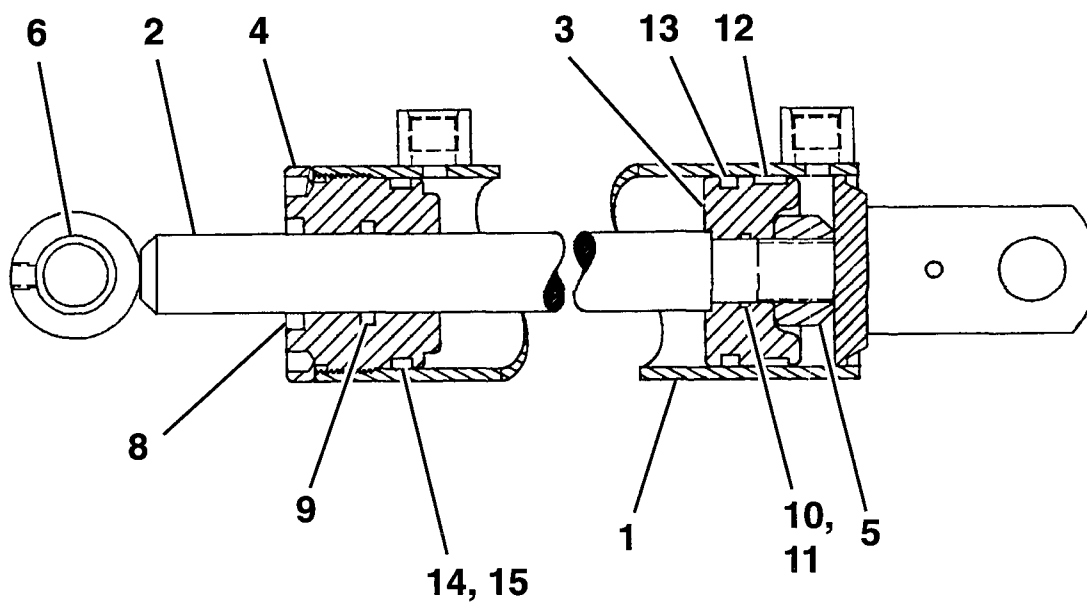
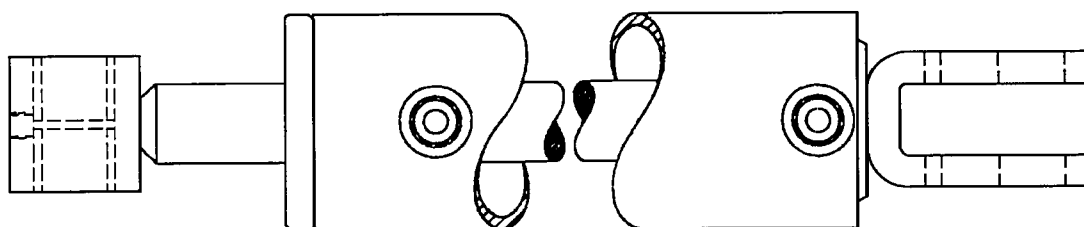
TITLE	STEER CYLINDER, 10" (25.4 CM) STROKE
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PLATE NO. 11.22

SIMON AERIALS INC. NEW 11 MAR., 1994

NEW 11 MAR., 1994

PART NO.	04-035200
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TITLE

STEER CYLINDER, 10" (25.4 CM) STROKE

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART
NO.

04-035200

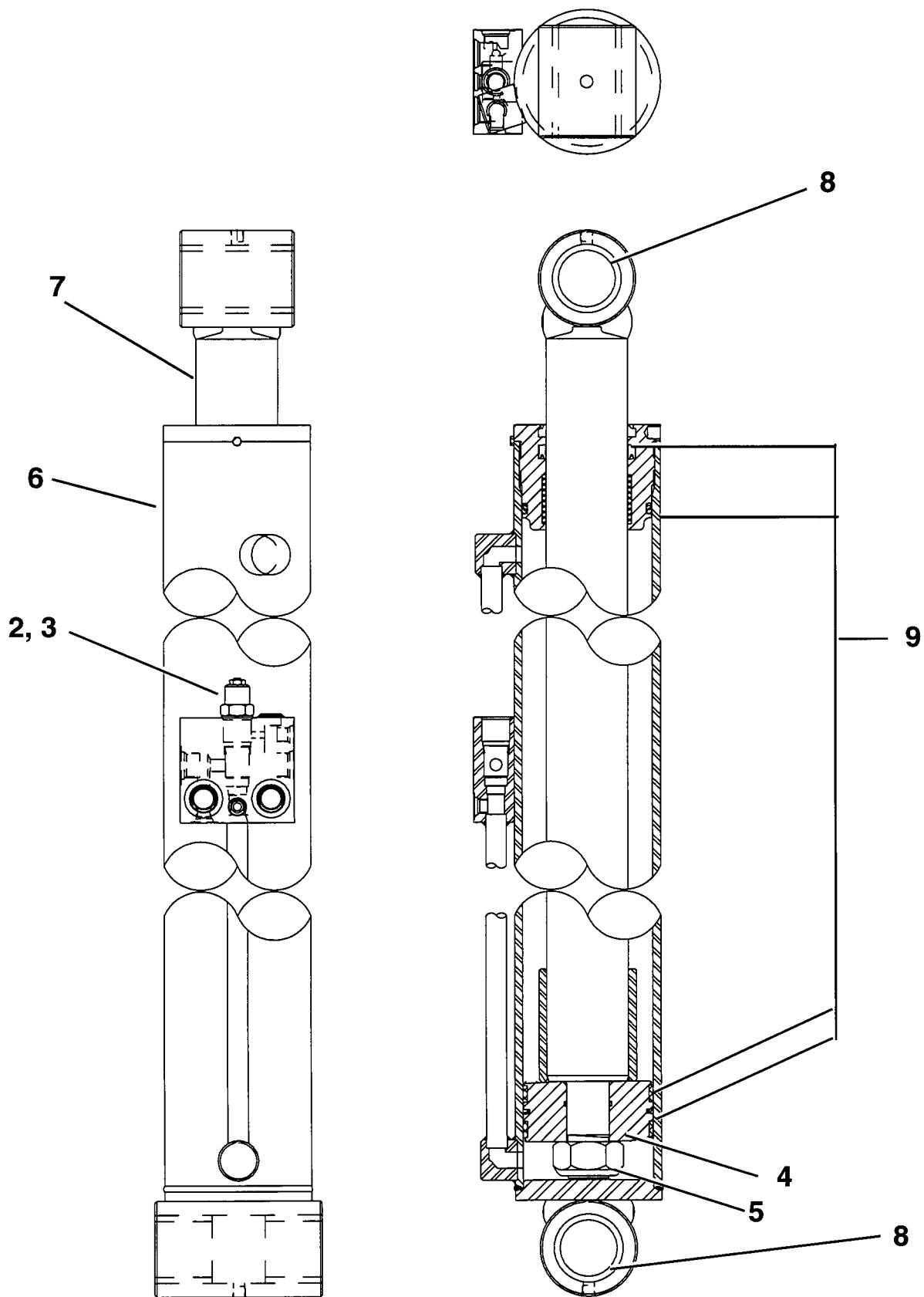
PLATE
NO.

11.22

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LOWER LIFTCYLINDER

**PART
NO.**



TITLE

LOWER LIFTCYLINDER

SIMON AERIALS INC.

REV. 12 MAY, 1997

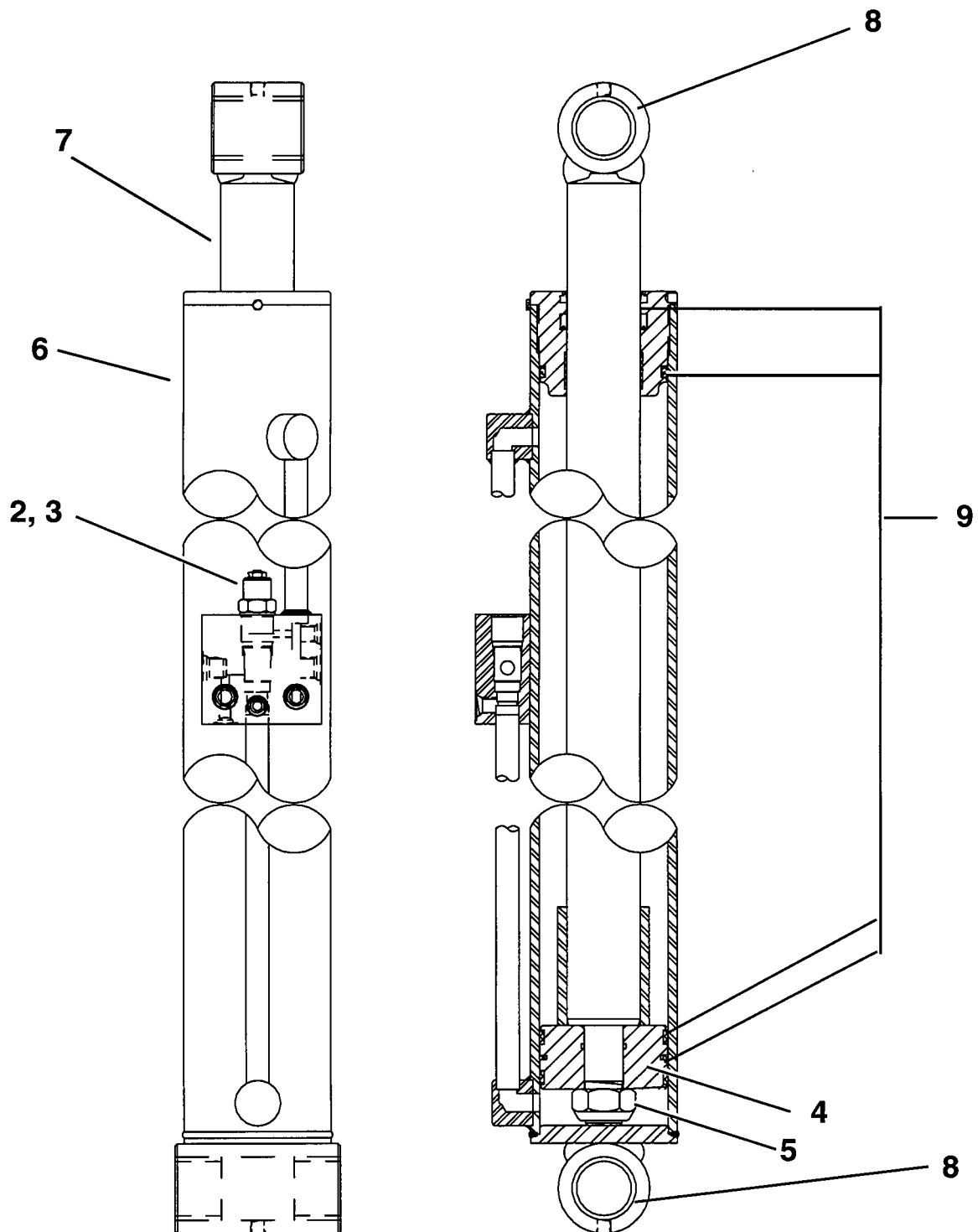
PART
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PLATE
NO. 11.28

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MID AND UPPER LIFTCYLINDER

PART
NO.



Art #A11.29001E

TITLE

MID AND UPPER LIFTCYLINDER

SIMON AERIALS INC.

REV. 12 MAY, 1997

PART
NO.

PLATE
NO. 11.29

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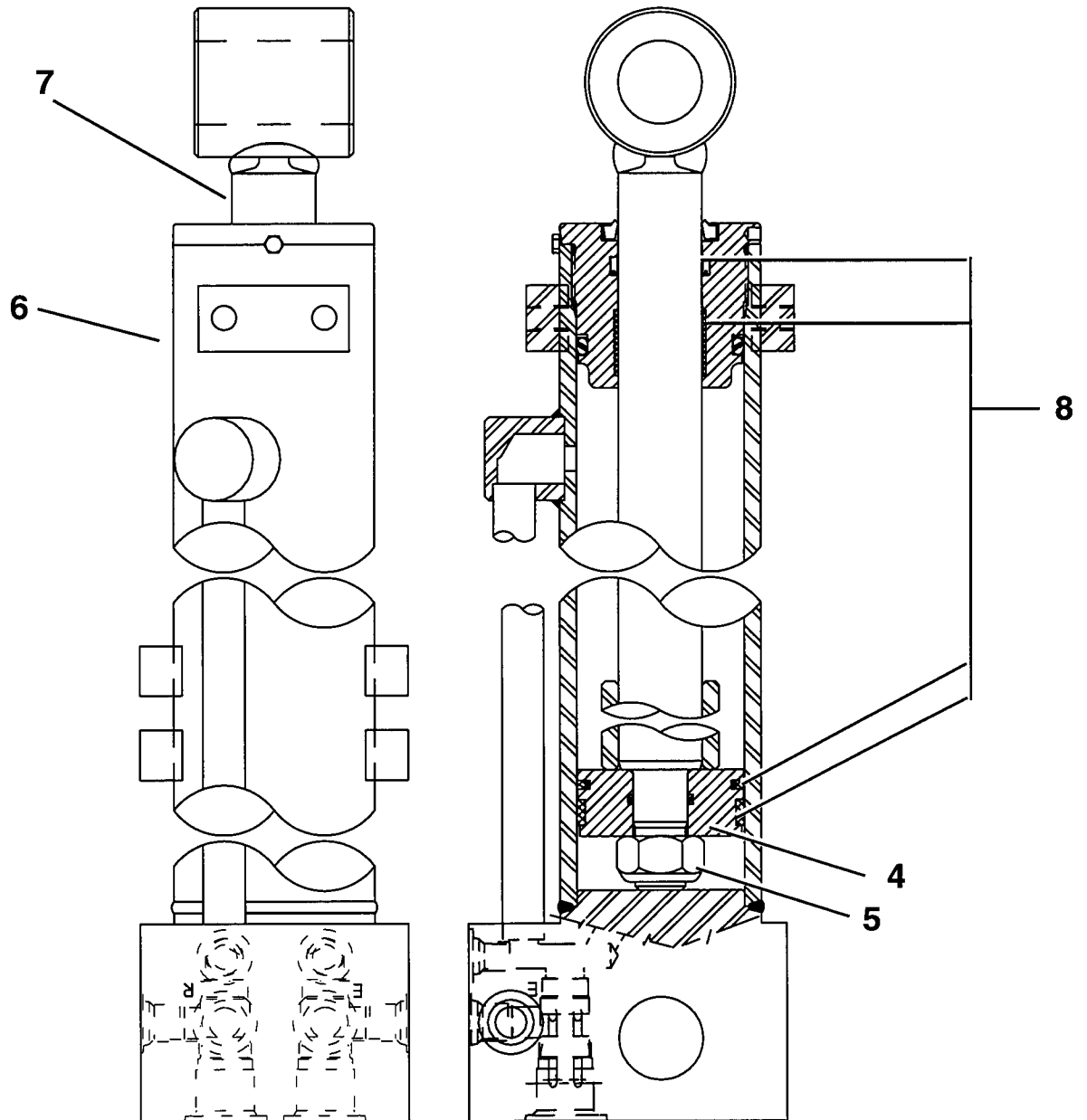
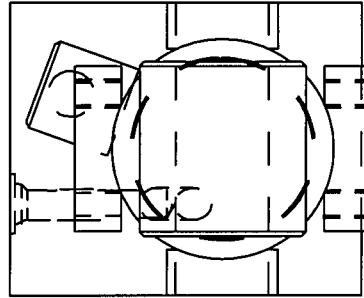
EXTEND CYLINDER

11.30

SIMON AERIALS INC.

REV. 12 MAY. 1997

**PART
NO.**



Art #A11.30001E

TITLE

EXTEND CYLINDER

SIMON AERIALS INC.

REV. 12 MAY, 1997

PART
NO.

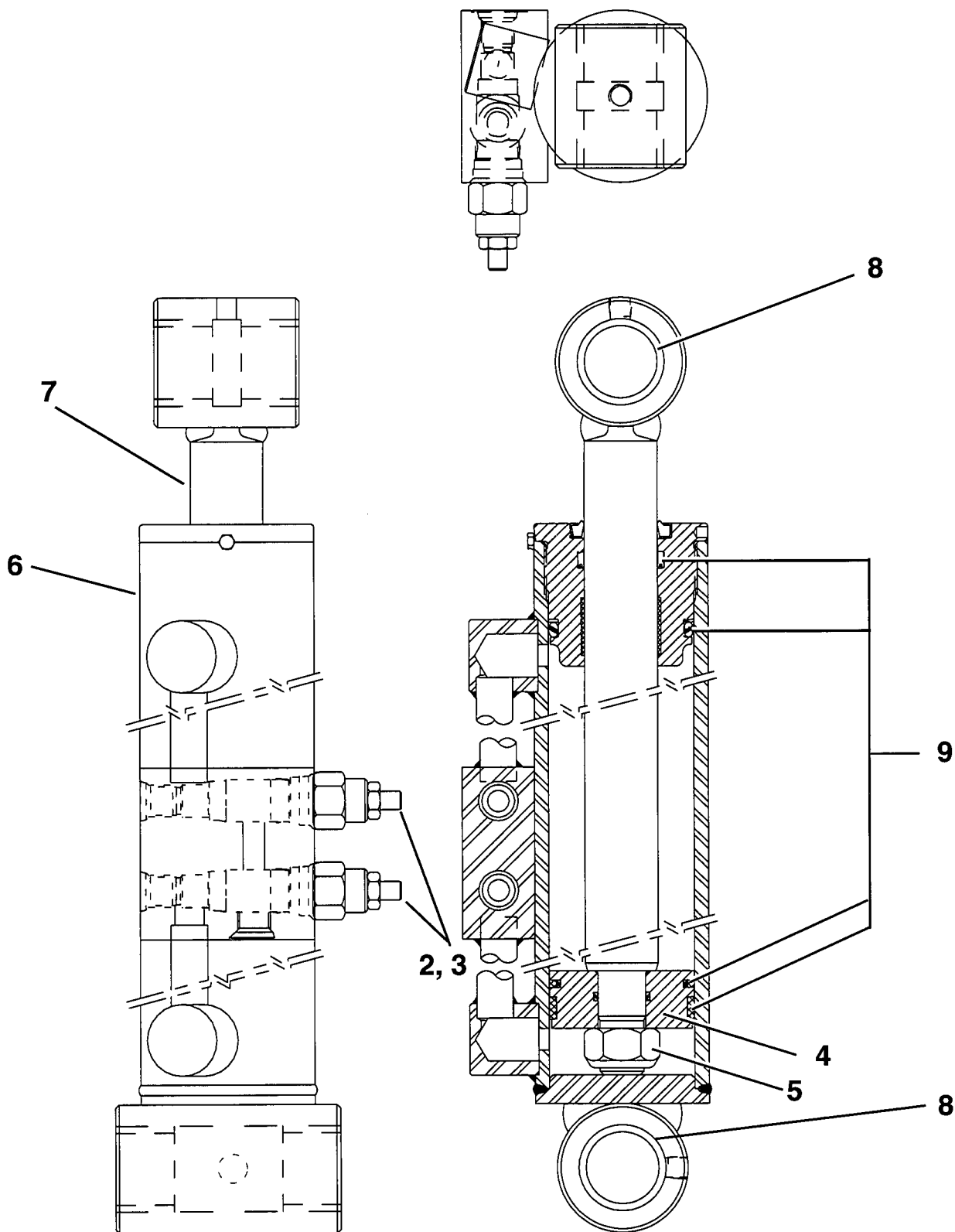
PLATE
NO. 11.30

PARTS LIST

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TITLE	MASTER CYLINDER
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PLATE NO.	11.31	SIMON AERIALS INC.	REV. 12 MAY, 1997	PART NO.
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Art #A11.31001E

TITLE

MASTER CYLINDER

SIMON AERIALS INC.

REV. 12 MAY, 1997

PART
NO.

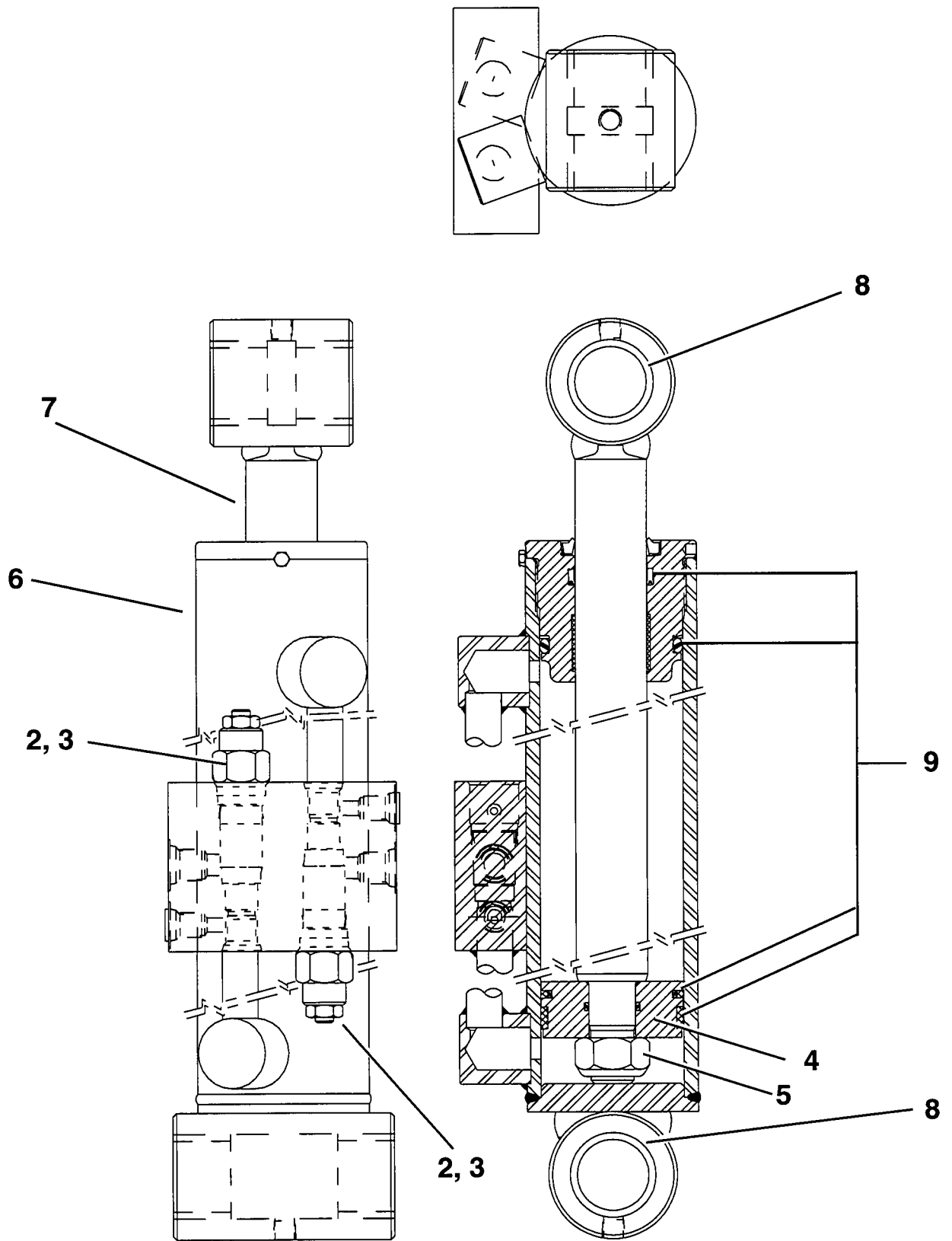
PLATE
NO. 11.31

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SLAVE CYLINDER

SIMON AERIALS INC.

PART
NO.



Art #A11.32001E

TITLE

SLAVE CYLINDER

SIMON AERIALS INC.

REV. 12 MAY, 1997

PART
NO.

PLATE
NO. 11.32

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-224901		MOTOR, ELECTRIC PUMP	1
2	01-224902		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			SEAL KIT	1
			Note: Items in seal kit are identified by asterisk (*).	
17	*		SEAL, SHAFT	1
18	*		O-RING	4
19			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

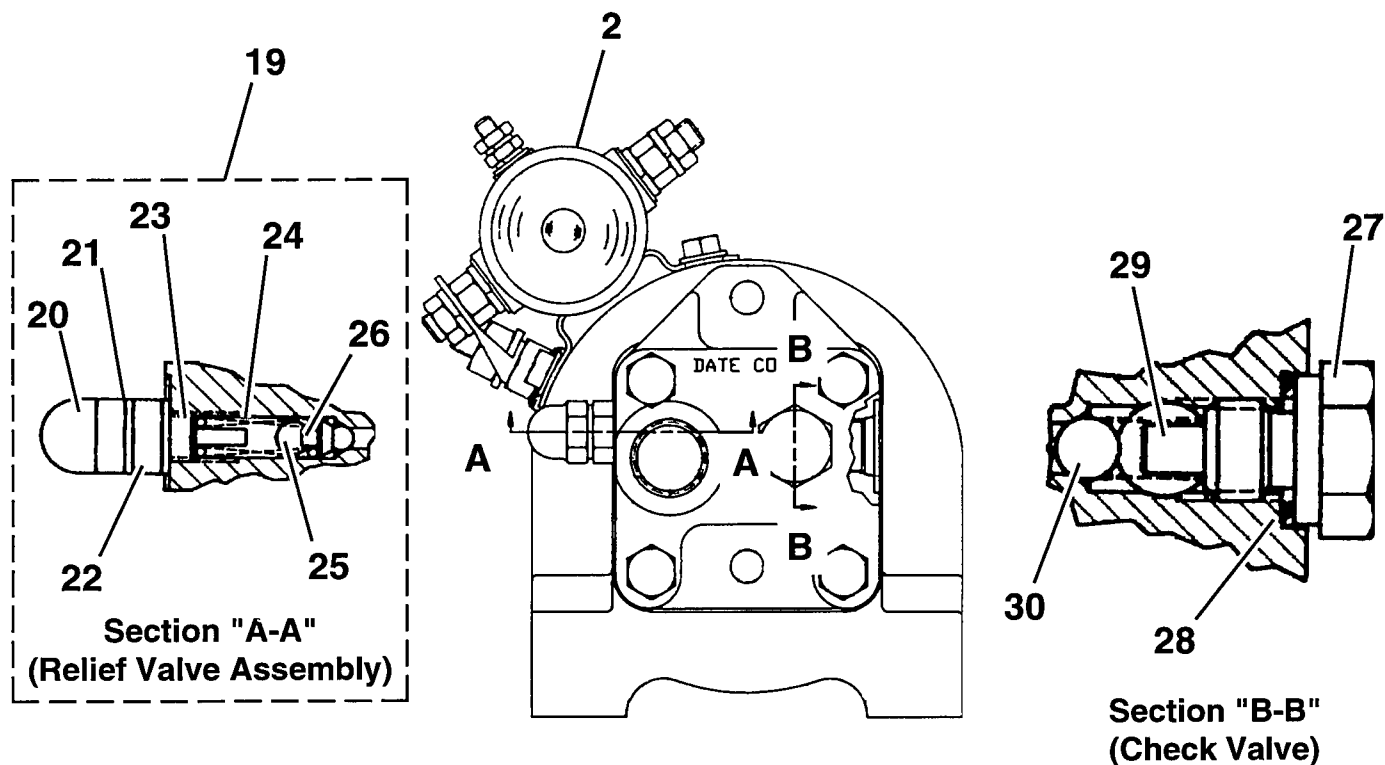
EMERGENCY PUMP

PLATE NO. 12.12

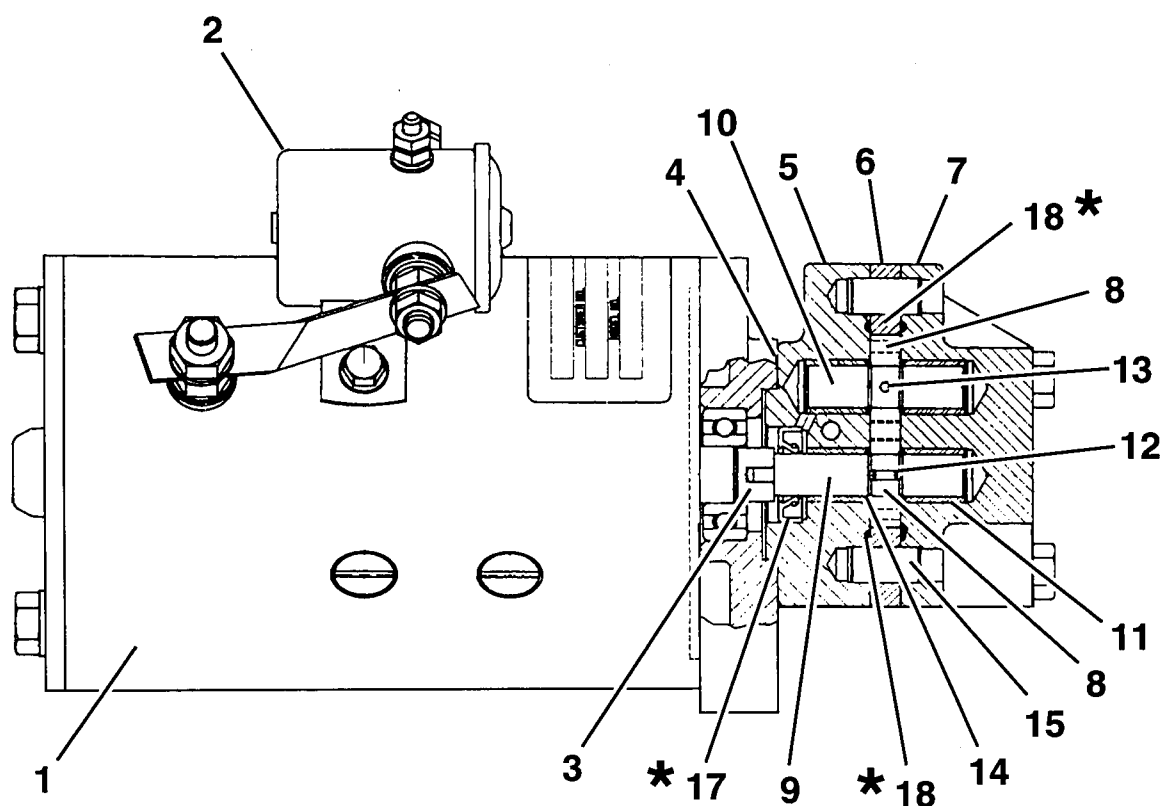
SIMON AERIALS INC.

REV. 27 APR., 1995

PART NO. 01-224900



View in direction of Arrow



TITLE

EMERGENCY PUMP

SIMON AERIALS INC.

REV. 27 APR., 1995

PART
NO.

01-224900

PLATE
NO.

12.12

PARTS LIST

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

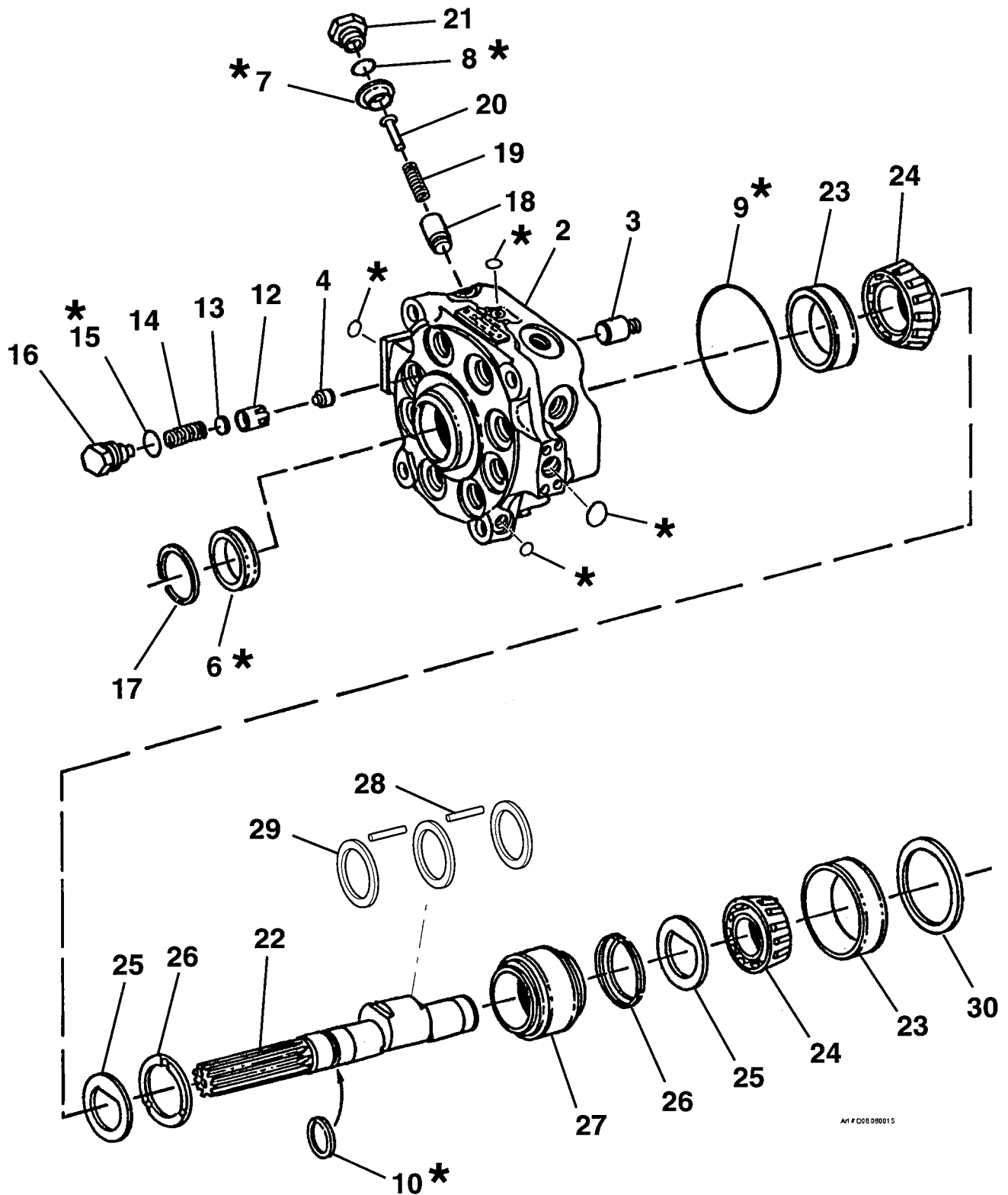
TITLE HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

PLATE NO. 12.13

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART NO. 01-206900



Art # 00800015

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART
NO.

01-206900

PLATE
NO.

12.13

PARTS LIST

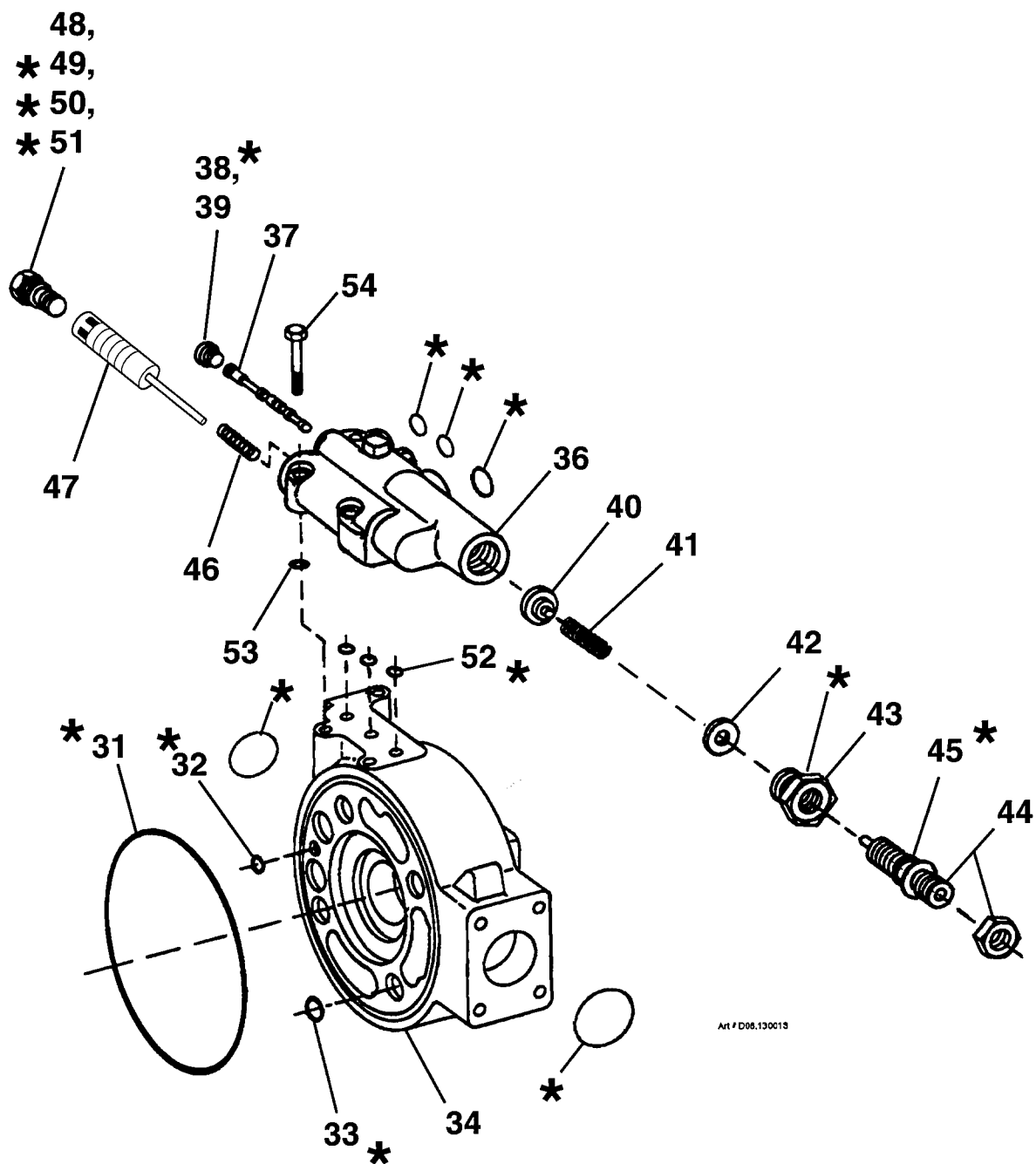
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
5	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
31	01-018711	*	PACKING, INLET HOUSING TO PUMP HOUSING	1
32		*	PACKING, HIGH PRESSURE PASSAGE	1
33		*	PACKING, BOLT PASSAGE	4
34			HOUSING, PUMP INLET	1
35	01-019502		VALVE ASSEMBLY, CONTROL	1
36			HOUSING, PRESSURE COMPENSATOR	1
37			VALVE, PRESSURE COMPENSATOR CONTROL	1
38		*	"O"-RING	1
39			PLUG, PRESSURE COMPENSATOR	1
40			GUIDE, SPRING	1
41			SPRING, PRESSURE COMPENSATOR	1
42		*	WASHER	1
43			PLUG, ADJUSTING	1
44			SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING	1
45		*	"O"-RING	1
46			SPRING, CRANKCASE RELIEF VALVE	1
47			VALVE, EXTERNAL CONTROL	1
48			PLUG, DESTROKE	1
49		*	"O"-RING	1
50		*	"O"-RING	1
51		*	PLUG	1
52		*	PACKING, PRESSURE	3
53		*	SHIM, PRESSURE COMPENSATOR HOUSING	A.R.
54			CAP SCREW, HEX HEAD	3

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

PLATE NO. 12.13 **SIMON AERIALS INC.**

REV. 17 MAR., 1995

PART NO. 01-206900



Art / D06.130C13

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

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART NO. 01-206900

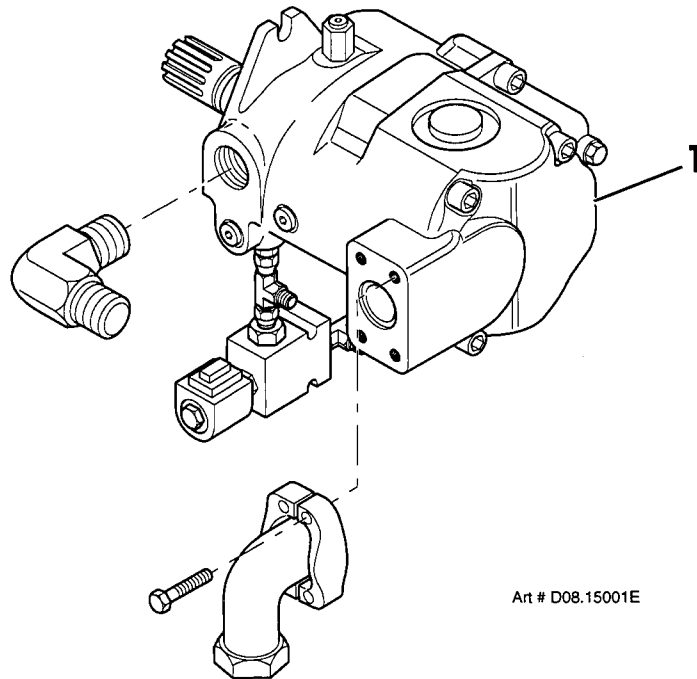
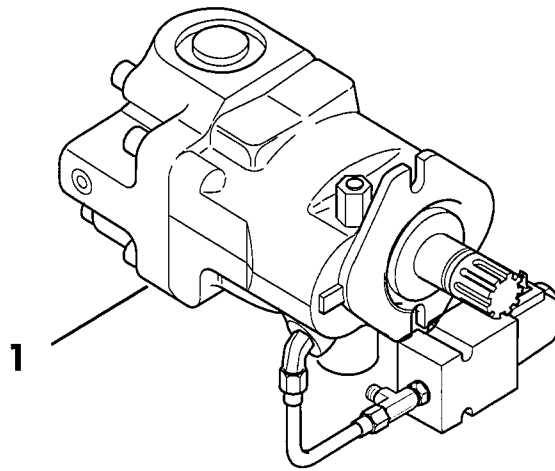
PLATE NO. 12.13

[illegible]

HYDRAULIC PUMP ASSEMBLY



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 # D08.15001E



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.
-

DATED
12 MAY, 1997

SECTION **12.**

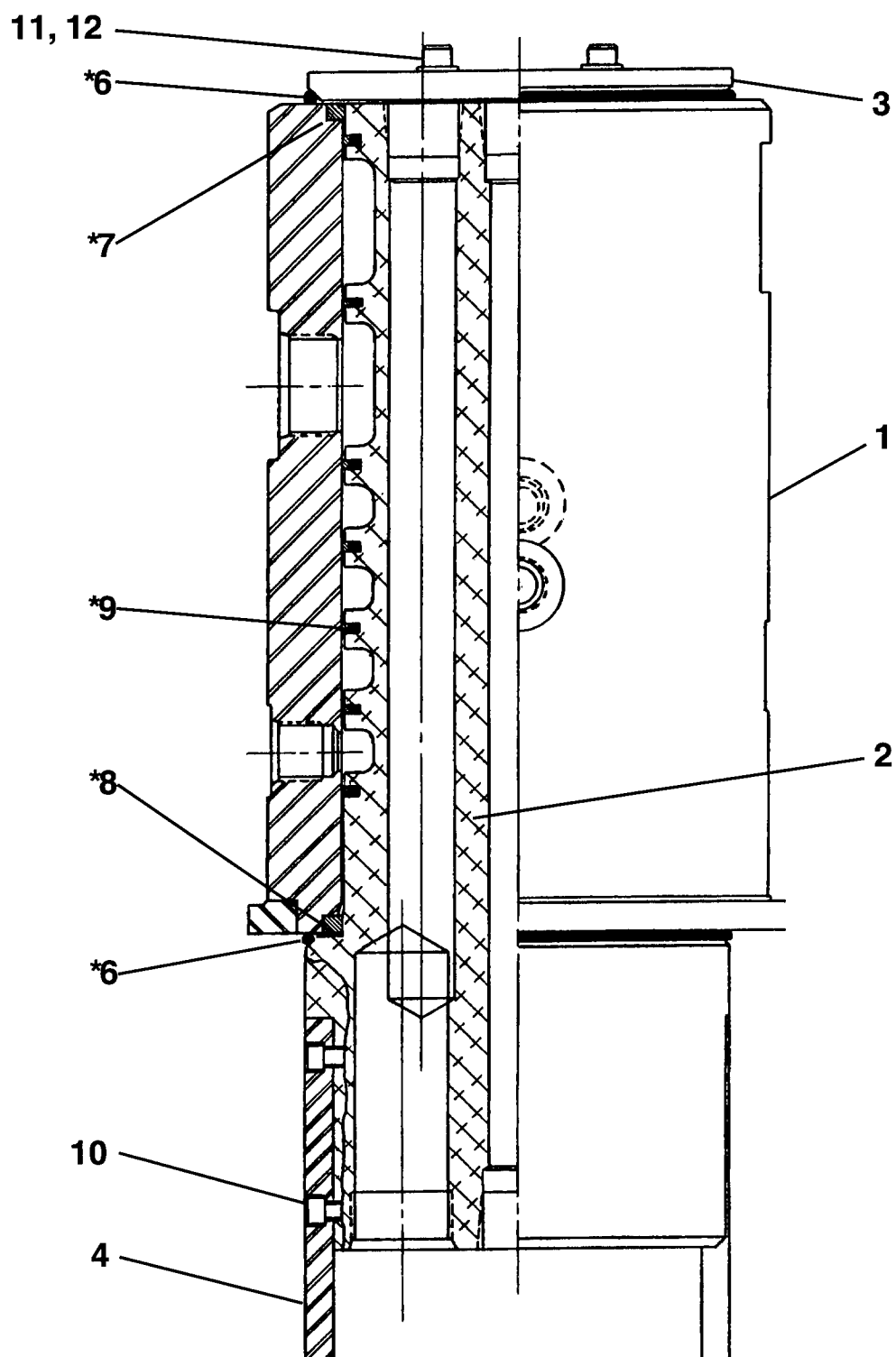
PLATE NO. **15**

PAGE **01**

[illegible]

HYDRAULIC SWIVEL

04-008700



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

TITLE

HYDRAULIC SWIVEL

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART
NO.

04-008700

PLATE
NO.

16.02

PARTS LIST

[illegible]

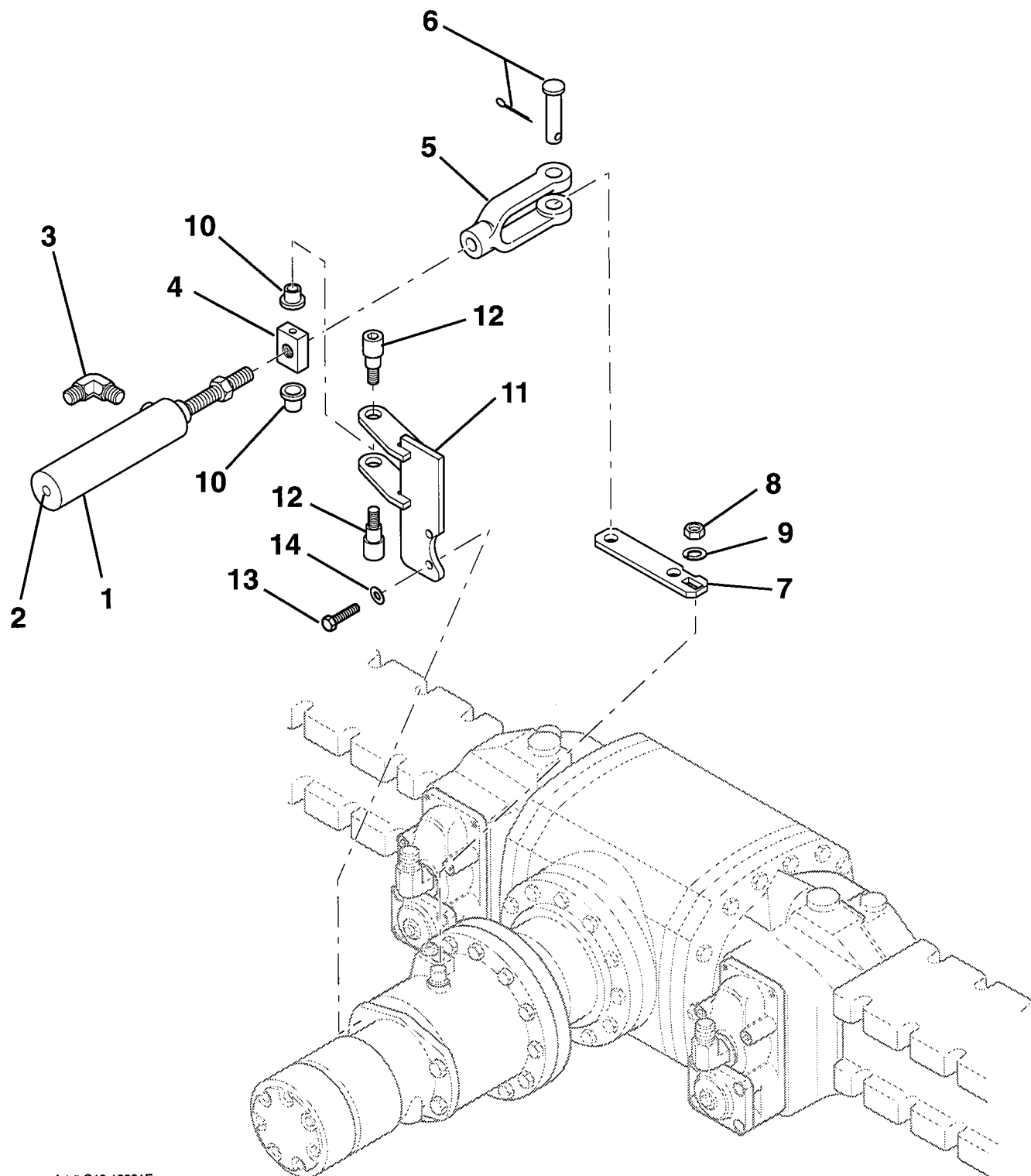
TITLE	REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY
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PLATE NO. 19.11

SIMON AERIALS INC. NEW 11 MAR., 1994

PART NO.	3533110
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PART NO.	3533110
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Art # C13.10301E

TITLE REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART NO. 3533110

PLATE NO. 19.11

PARTS LIST

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TITLE	REAR AXLE ASSEMBLY, AT 60
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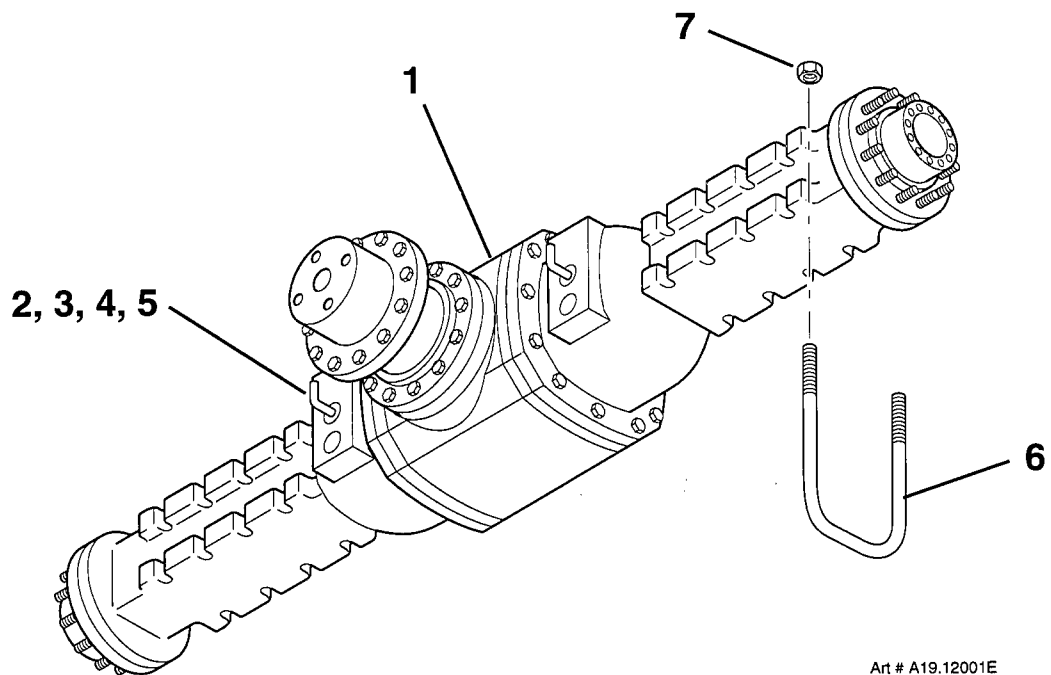
REAR AXLE ASSEMBLY, AT 60

PLATE NO. 19.12	SIMON AERIALS INC. NEW 20 APR., 1995	PART NO.
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SIMON AERIALS INC.

NEW 20 APR., 1995

PART
NO.



Art # A19.12001E

TITLE

REAR AXLE ASSEMBLY, AT 60

SIMON AERIALS INC.

NEW 20 APR., 1995

PART
NO.

PLATE
NO. 19.12

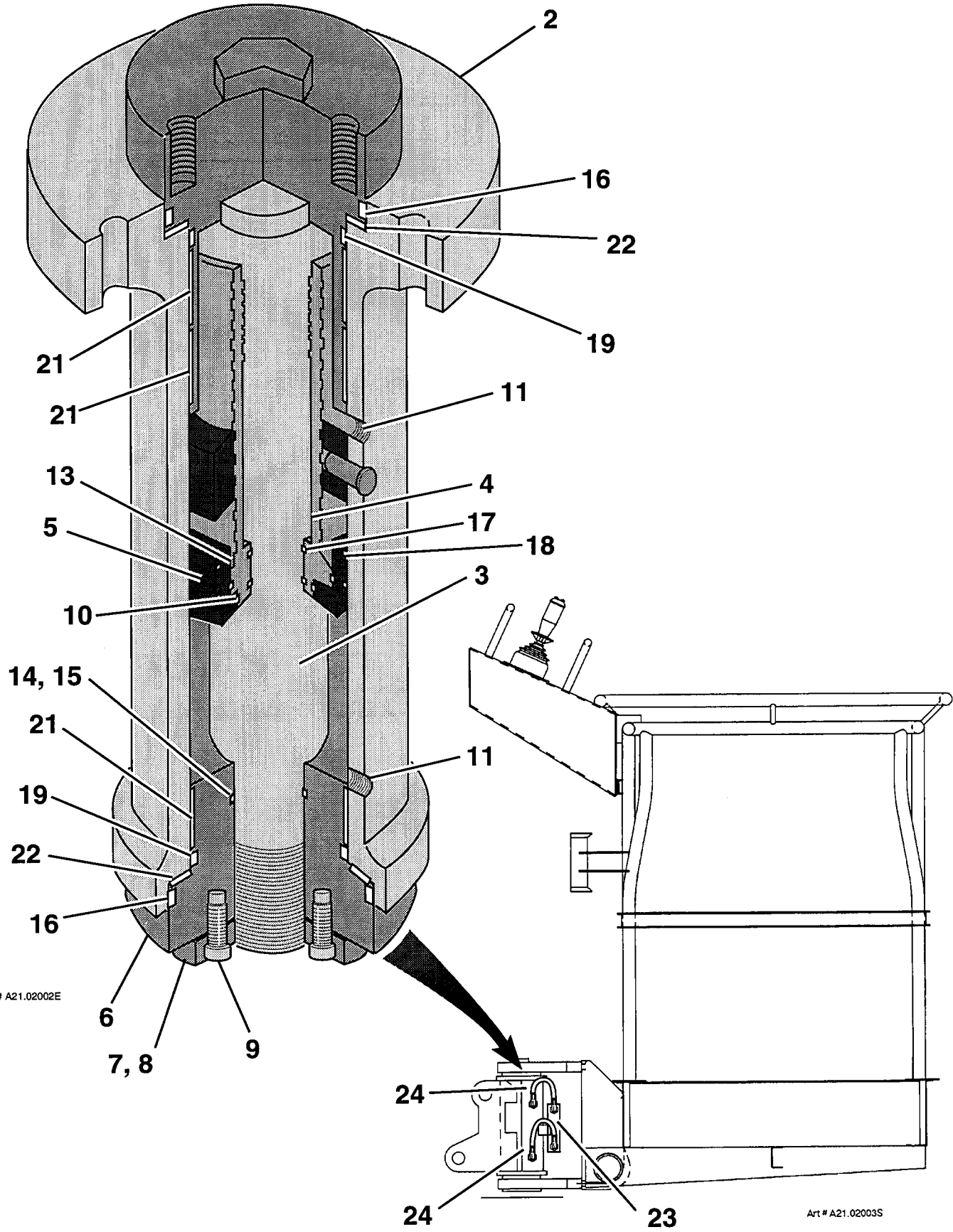
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-023700		ACTUATOR, ROTARY	1
2			HOUSING	1
3	02-023703		SHAFT	1
4			SLEEVE	1
5			PISTON	1
6			CAP, END	1
7	02-023704		NUT	1
8	02-023705		NUT, LOCK	1
9	02-023706		CAP SCREW	4
10			SET SCREW	2
11			PLUG, PORT	2
12	02-023701		SEAL KIT	1
13			SEAL, PISTON	1
14			SEAL, CAP	1
15			RING, BACKUP	1
16			SEAL, EXCLUSION	2
17			PACKING, ROD	2
18			PACKING, PISTON	2
19			PACKING, BEARING	2
20	02-023702		BEARING KIT	1
21			BEARING	3
22			WASHER, THRUST	2
			The following items are not part of Rotary Actuator 02-023700:	
23	01-202000		CHECK VALVE, PILOT OPERATED	1
24	2144710		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2

TITLE ROTARY ACTUATOR

PLATE NO. 21.02	SIMON AERIALS INC.	PART NO. 02-023700
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REV. 17 AUG., 1993



Art # A21.02002E

Art # A21.02003S

TITLE

ROTARY ACTUATOR

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-023700

PLATE
NO.

21.02

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

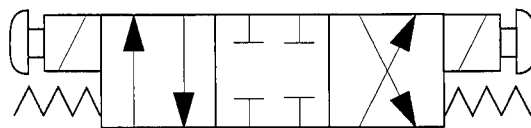
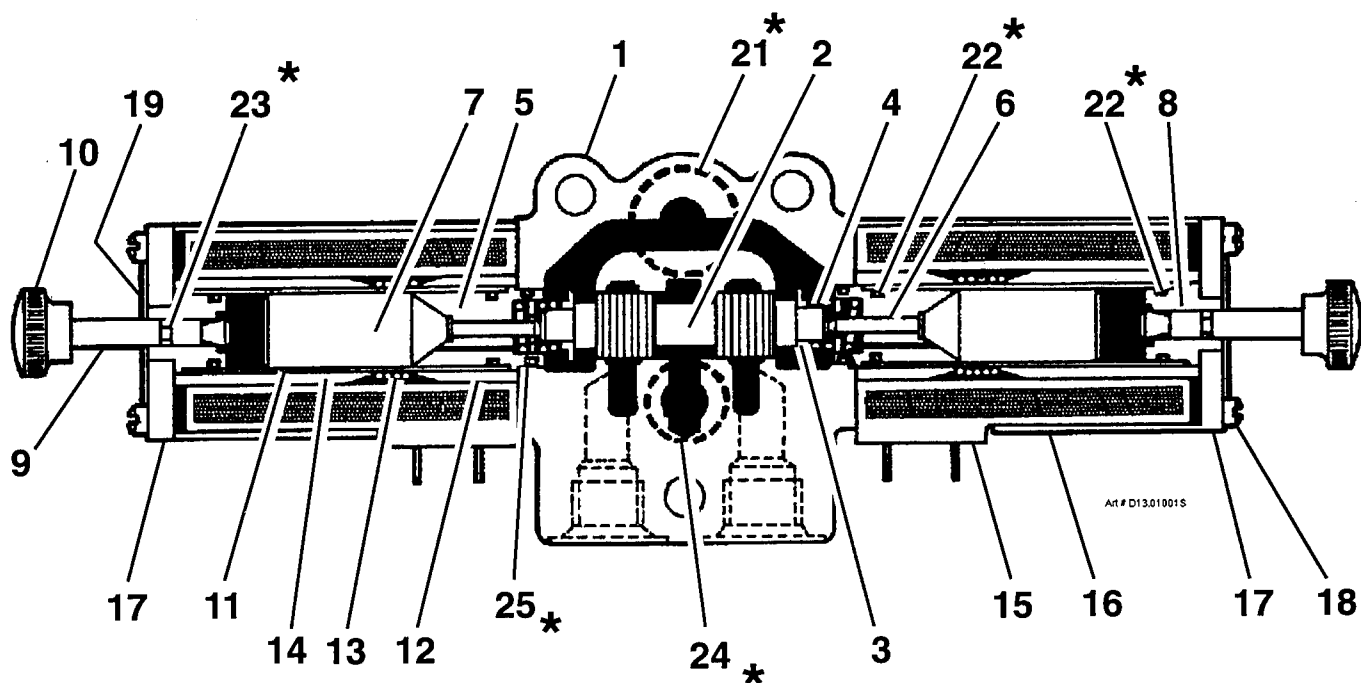
TITLE 4-WAY, 3 POSITION SOLENOID VALVE, CLOSED CENTER SPOOL

PLATE NO. 23.11

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART NO. 01-031700



Art # D13.01002E

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

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART NO. 01-031700

PLATE No. 23.11

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

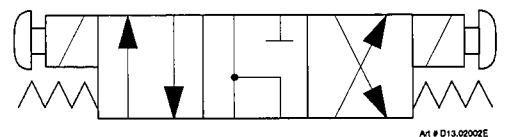
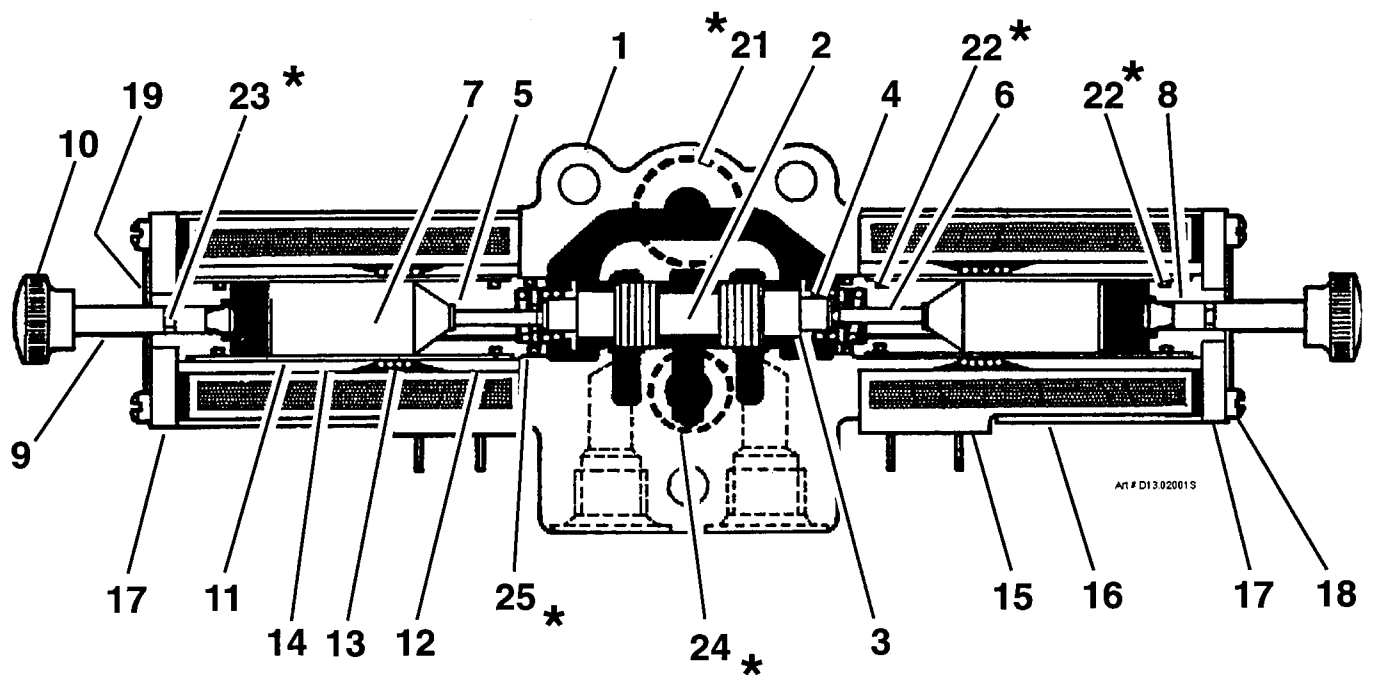
TITLE 4-WAY, 3 POSITION SOLENOID VALVE, OPEN CENTER (MOTORING) SPOOL

PLATE NO. 23.12

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART NO. 01-031800



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

SIMON AERIALS INC.

NEW 11 MAR., 1994

**PART
NO.**

01-031800

**PLATE
NO.**

23.12

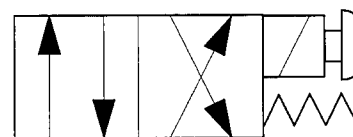
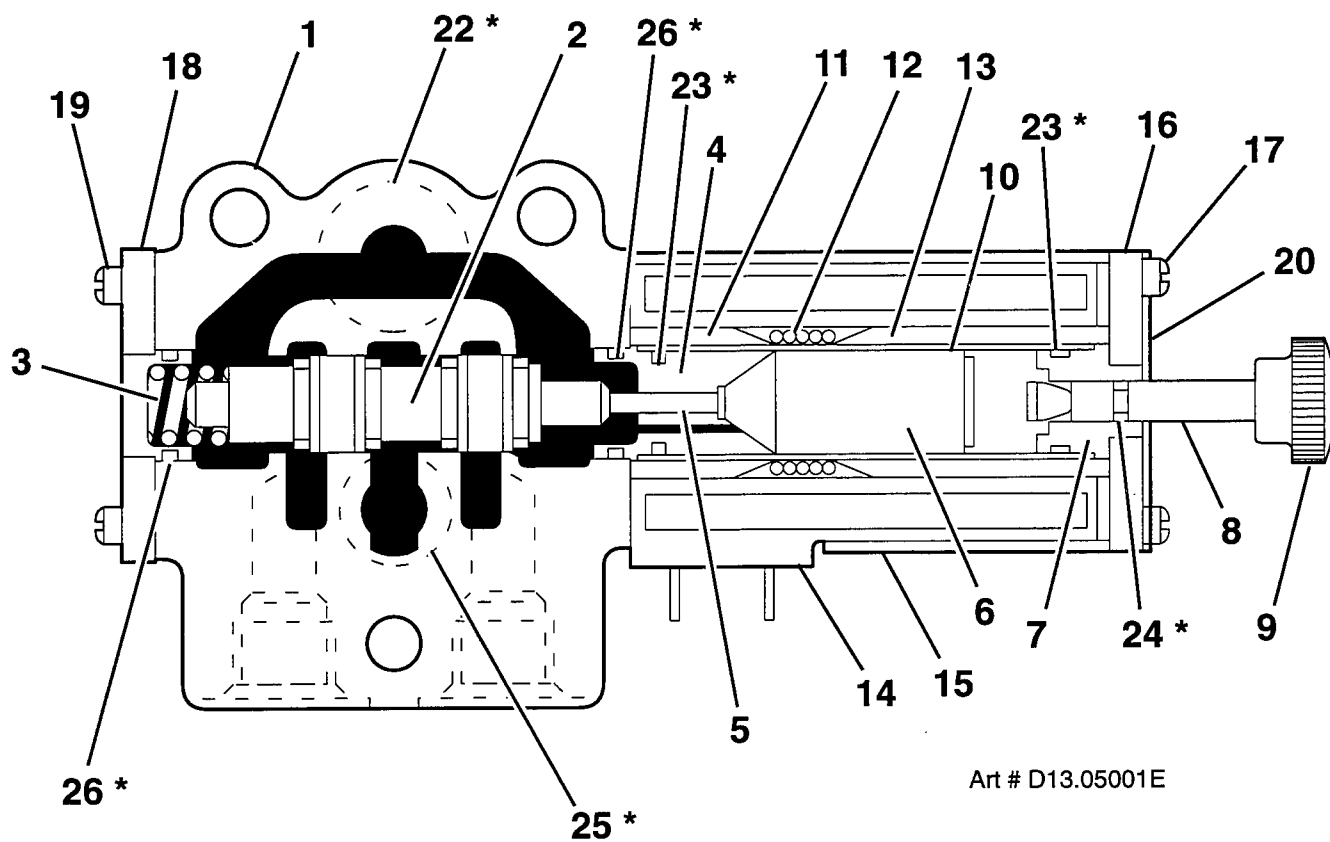
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PLATE NO. 23.13

SIMON AERIALS INC.

NEW 11 MAR., 1994

PART NO. 01-061900



Art # D13.05002E

TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 11 MAR., 1994

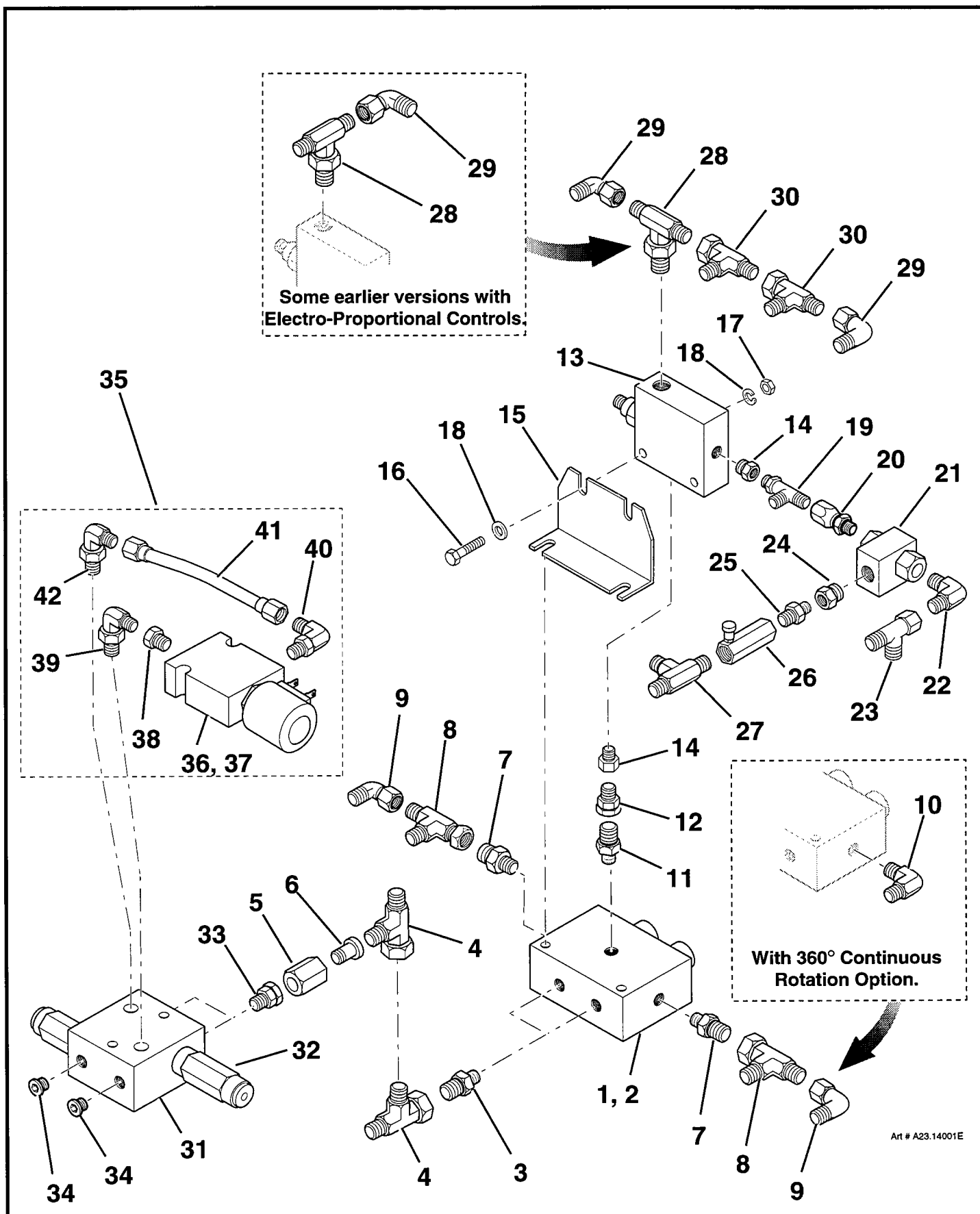
PART
NO.

01-061900

PLATE
NO.

23.13

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TITLE	
PLATE NO.	



TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

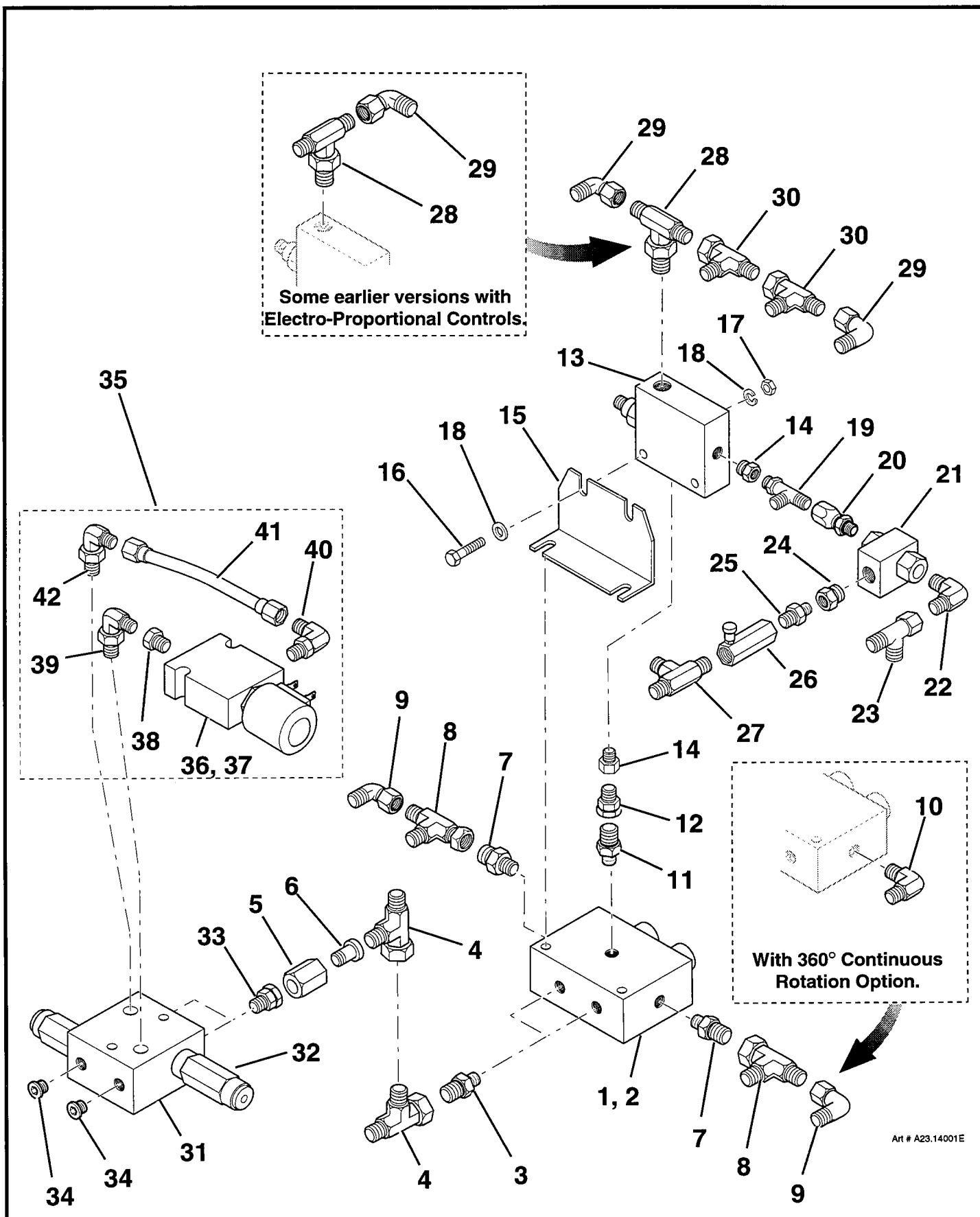
SIMON AERIALS INC.

REV 5 MAY, 1997

PART NO. 354 0870

PLATE NO. 23.14

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26	01-212100		VALVE, FLOW CONTROL (Needle valve) (1/8" NPT)	1
27	06-211200		RUN TEE, MALE 37° TO NPT (4 RTX-S)	1
28	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	1
29	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	
			Earlier versions with Electro-Proportional control system	1
			Later versions (Electro-Proportional or Full Hydraulic)	2
30	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	
			Later versions (Electro-Proportional or Full Hydraulic)	2
31	01-202200		MANIFOLD, CROSS PORT RELIEF	1
32	01-202201		CARTRIDGE, CROSS PORT RELIEF VALVE	2
33	06-207800		ADAPTER, SWIVEL NUT (8 F650X)	2
34	06-095100		PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	2
35	55-000190		VALVE KIT, STOP CUSHION	1
36	01-202100		VALVE, SOLENOID (includes non-replaceable coil)	1
37	01-202101		CARTRIDGE, SOLENOID VALVE	1
38	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
39	230 9710		ELBOW, ORIFICED (modified 6-4 C50X-S with .082" [2.1 mm] orifice.)	1
40	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
41	353 2720		TUBE, FORMED	1
42	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
			The following items are not illustrated here. They are part of Stop Cushion Valve Kit 55-000190, but are not part of Motion Control Valve Assembly 354 0870:	
43	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	1
44	03-051600		SOCKET, RELAY (Single pole, Snap mount)	1
45	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, 20 Ft [6.1 M] required this application)	A.R.
46	03-092300		COUPLING (Nylon, Spade type, female, #14-16 AWG)	2
47	03-045500		GRIP, CORD (1/2")	1
48	03-055500		NUT, CONDUIT LOCK (1/2")	1
TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)				
PLATE NO.	23.14	SIMON AERIALS INC.		PART NO. 354 0870
		REV 5 MAY, 1997		



TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV 5 MAY, 1997

PART
NO.

354 0870

PLATE
NO.

23.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	202 5214		MANIFOLD, CONTROL VALVE	1
2	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
3	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
4	06-095100		PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	2
5	01-034100		VALVE, CARTRIDGE CHECK (3000 PSI [207 bar, 211 Kg/ cm ²])	1
6	01-034200		"O"-RING (1.051" I.D., .070" thick)	1
7	201 5109		SPACER, CHECK VALVE	1
8	06-045800		90° ELBOW, STRAIGHT THREAD (16 C50X-S)	1
9	06-041500		ADAPTER, "O"-RING TO 37° (16-12 F50X-S)	1
10	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
11	06-215200		ADAPTER, SWIVEL NUT (16 F650X-S)	1
12	01-235700		VALVE, RELIEF (Pilot operated)	1
13	06-045800		90° ELBOW, STRAIGHT THREAD (16 C50X-S)	1
14	209 6568		ROD, THREADED (3/8"-16 x 6-1/4")	3
15	201 8274		ROD, THREADED (3/8"-16 x 8-1/2")	3
16	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
17	07-065016		WASHER, HELICAL LOCK (3/8")	6
18	01-031702		"O"-RING (3/4" O.D.)	5
19	01-031703		"O"-RING (1-1/16" O.D.)	5
20	01-031700	23.11	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	2
21			BAND (to prevent manual operation of valve)	4
22	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	4
23	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	6
24	350 8875		TUBE ASSEMBLY (3/4" dia.)	2
25	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
26	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2
27	06-057800		NUT, TUBE (12 BTX-S)	2
28	01-031700	23.11	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
29	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	2
30	06-079000		ADAPTER (6 F65X-S)	2
31	01-018900		VALVE, FLOW CONTROL (Needle valve, #6 SAE ports)	2
32	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
33	06-095100		PLUG, HEX SOCKET (8 HP50N-S)	1
34	06-095000		PLUG, HEX SOCKET (6 HP50N-S)	1

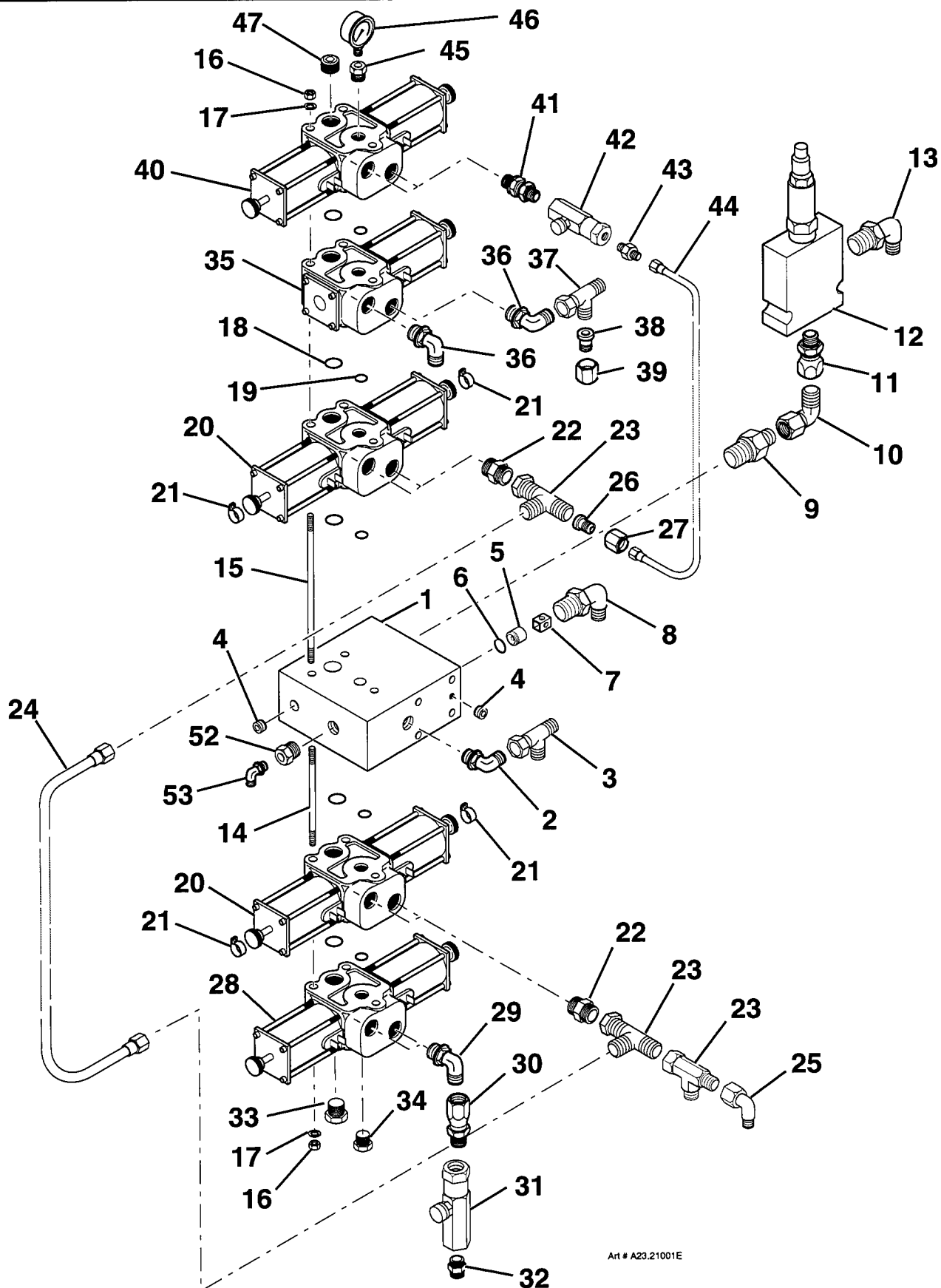
TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (AT 60 FULL HYD.) (PLATE 1 OF 2)

PLATE NO. 23.21

SIMON AERIALS INC.

NEW 17 MAY, 1995

PART NO. 354 2550



TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (AT 60 FULL HYD.) (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 17 MAY, 1995

PART NO. 354 2550

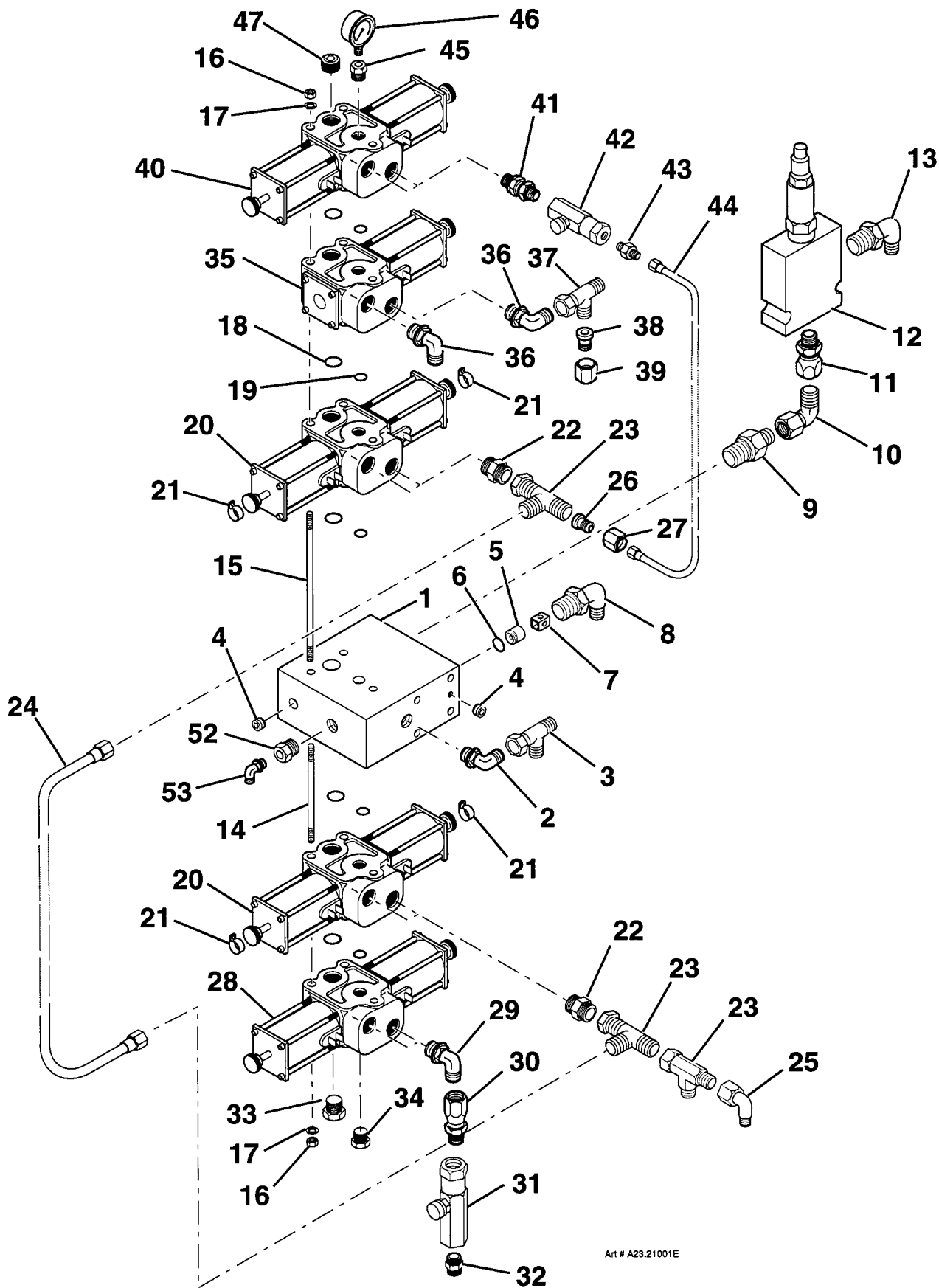
PLATE NO. 23.21

[illegible]

SIMON AERIALS INC.

NEW 17 MAY, 1995

PART NO. 354 2550



Art # A23.21001E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (AT 60 FULL HYD.) (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 17 MAY, 1995

PART
NO.

354 2550

PLATE
NO.

23.21

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-086601		SEAL KIT Note: Items in kit identified by asterisk (*).	1
2			HOUSING	1
3			PISTON ASSEMBLY	1
4			PISTON	1
5			RING, PISTON	2
6	*		O-RING	2
7			PLUG, EXPANSION	1
8			SPRING, SERVO	1
9			STOP, MINIMUM DISPLACEMENT	1
10	*		GASKET	1
11			COVER, SERVO (Top)	1
12			COVER, SERVO (Bottom)	1
13			STOP, SERVO	1
14			NUT, SPECIAL	1
15			PLUG (Plastic)	1
16			PLUG (Plastic)	1
17			SCREW, HEX HEAD (Grade 8)	8
18			WASHER	8
19	*		SEAL, SHAFT	1
20			PLUG, STRAIGHT THREAD	2
21	*		GASKET	1
22			BEARING, NEEDLE	1
23			PLATE, MOTOR VALVE	1
24			BLOCK ASSEMBLY, CYLINDER	1
25			BLOCK, CYLINDER	1
26			WASHER	1
27			SPRING	1
28			WASHER	1
29			RING, RETAINING	1
30			PIN, SLIPPER HOLD DOWN	3
31			RETAINER	1
32			GUIDE, RETAINER	1
33			GUIDE, SLIPPER	1
34			PISTON ASSEMBLY	7
35			SHAFT, MOTOR	1
36			SWASHPLATE	1
37			JOURNAL, BEARING	2
38			PIN, STRAIGHT (Headless)	1
39			BEARING, SLEEVE	1

TITLE

HYDRAULIC MOTOR (PLATE 1 OF 2)

PLATE NO.

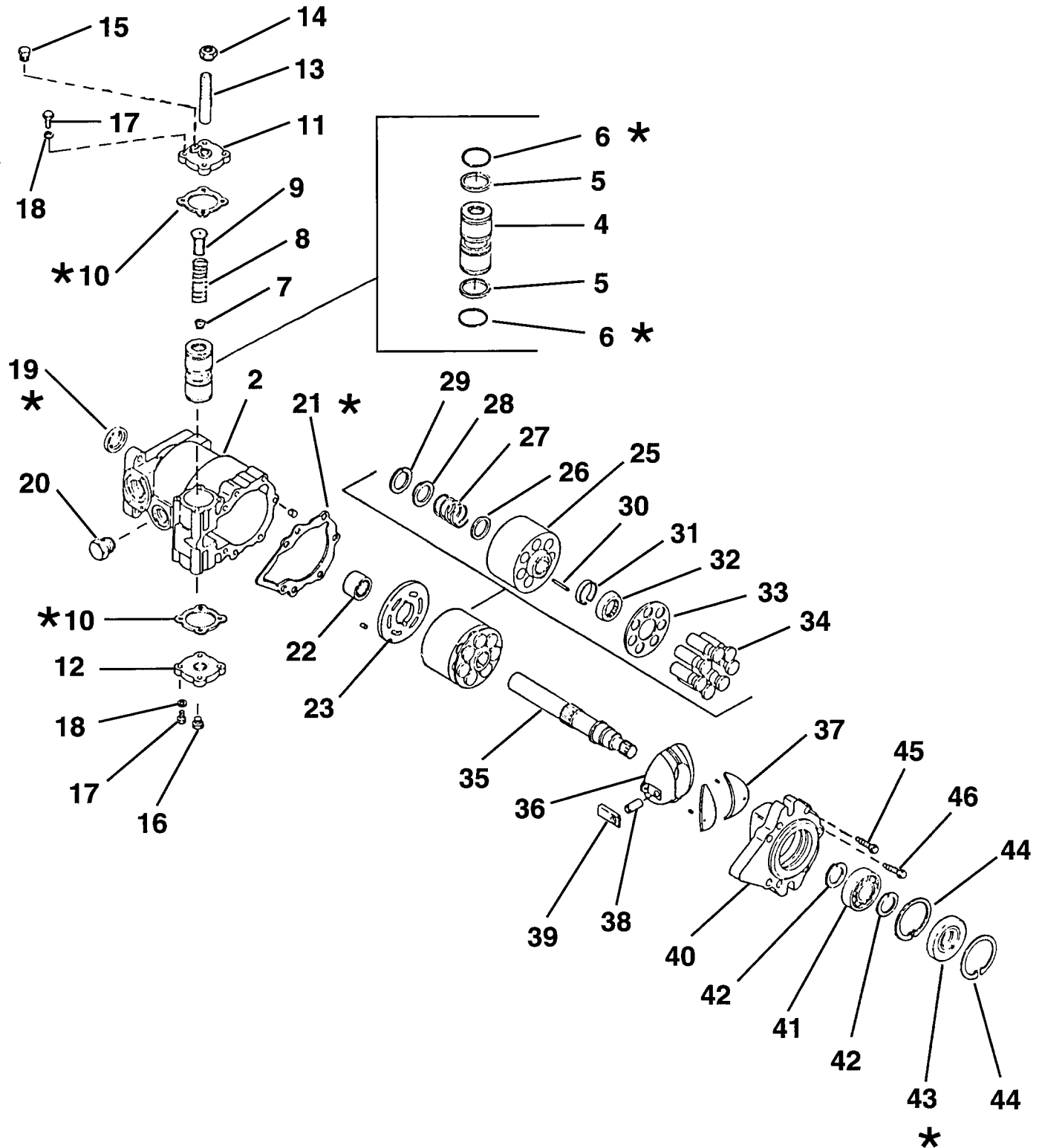
26.02

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART NO.

01-086600



TITLE

HYDRAULIC MOTOR (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-086600

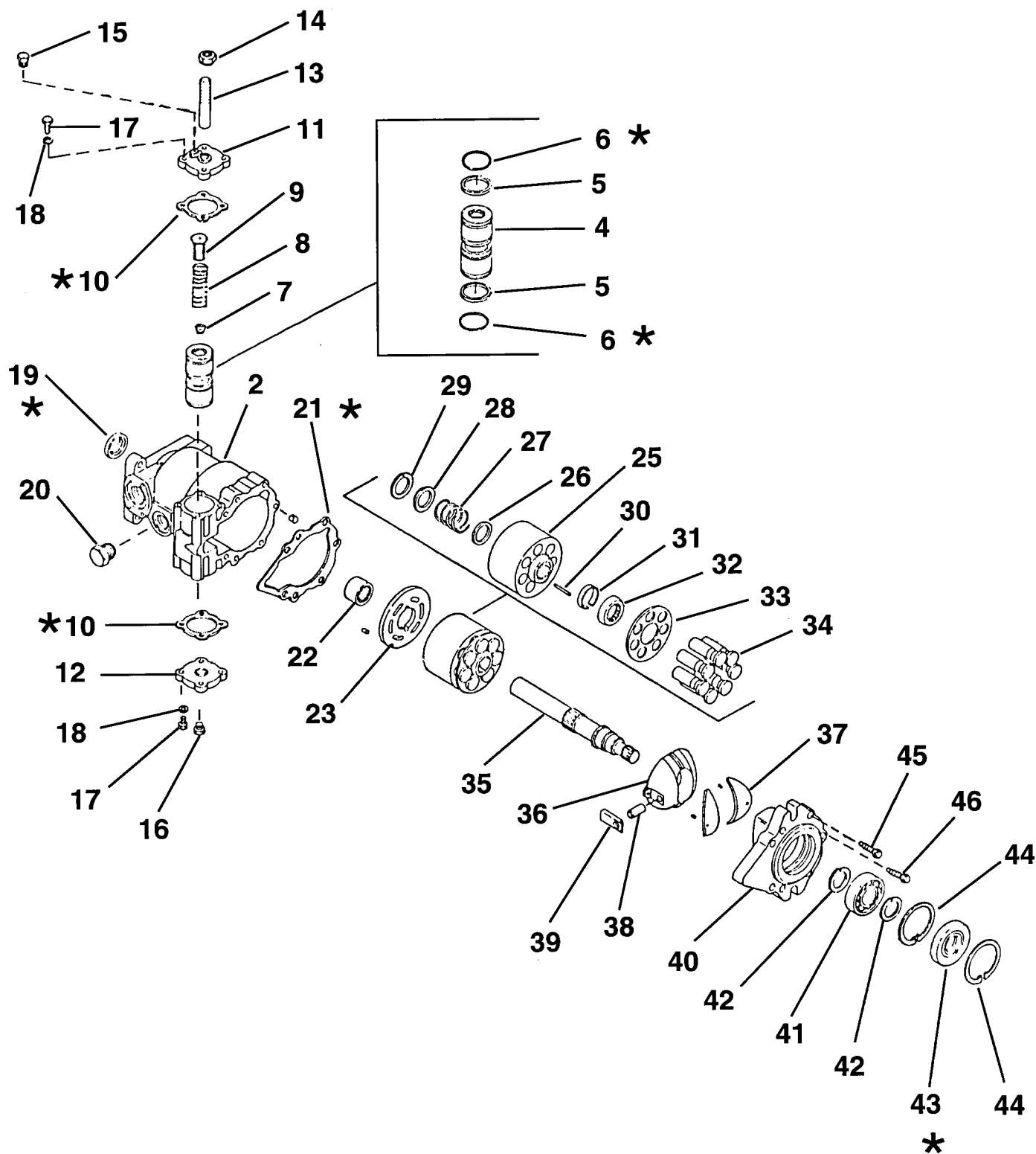
PLATE
NO.

26.02

[illegible]

HYDRAULIC MOTOR (PLATE 2 OF 2)

01-086600



TITLE

HYDRAULIC MOTOR (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-086600

PLATE
NO.

26.02

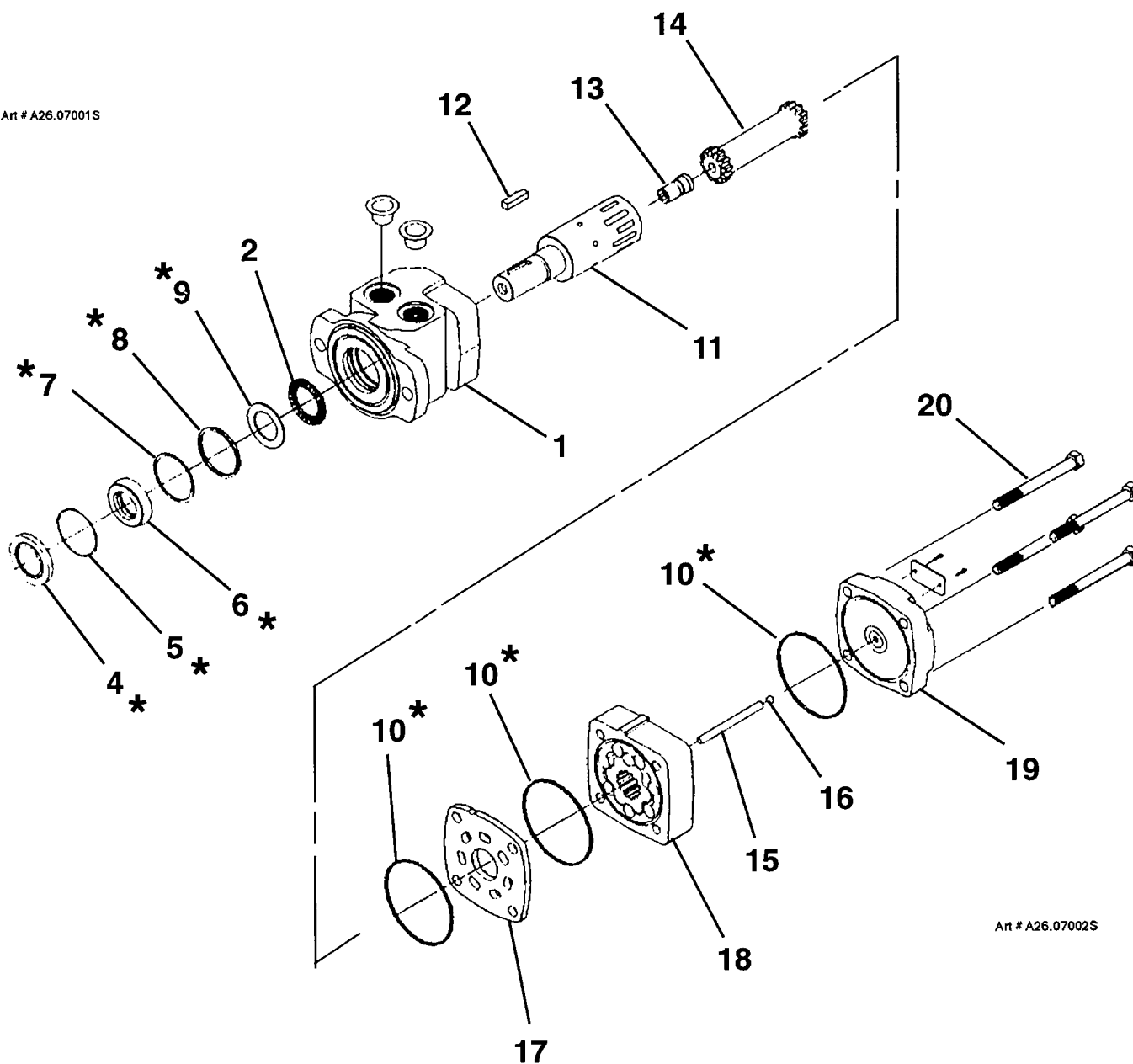
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PLATE NO.	26.07	SIMON AERIALS INC.	NEW 06 OCT., 1992	PART NO.	01-210200
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NEW 06 OCT., 1992

PART NO. 01-210200

Art # A26.07001S



Art # A26.07002S

TITLE

SWING MOTOR

SIMON AERIALS INC.

NEW 06 OCT., 1992

PART NO. 01-210200

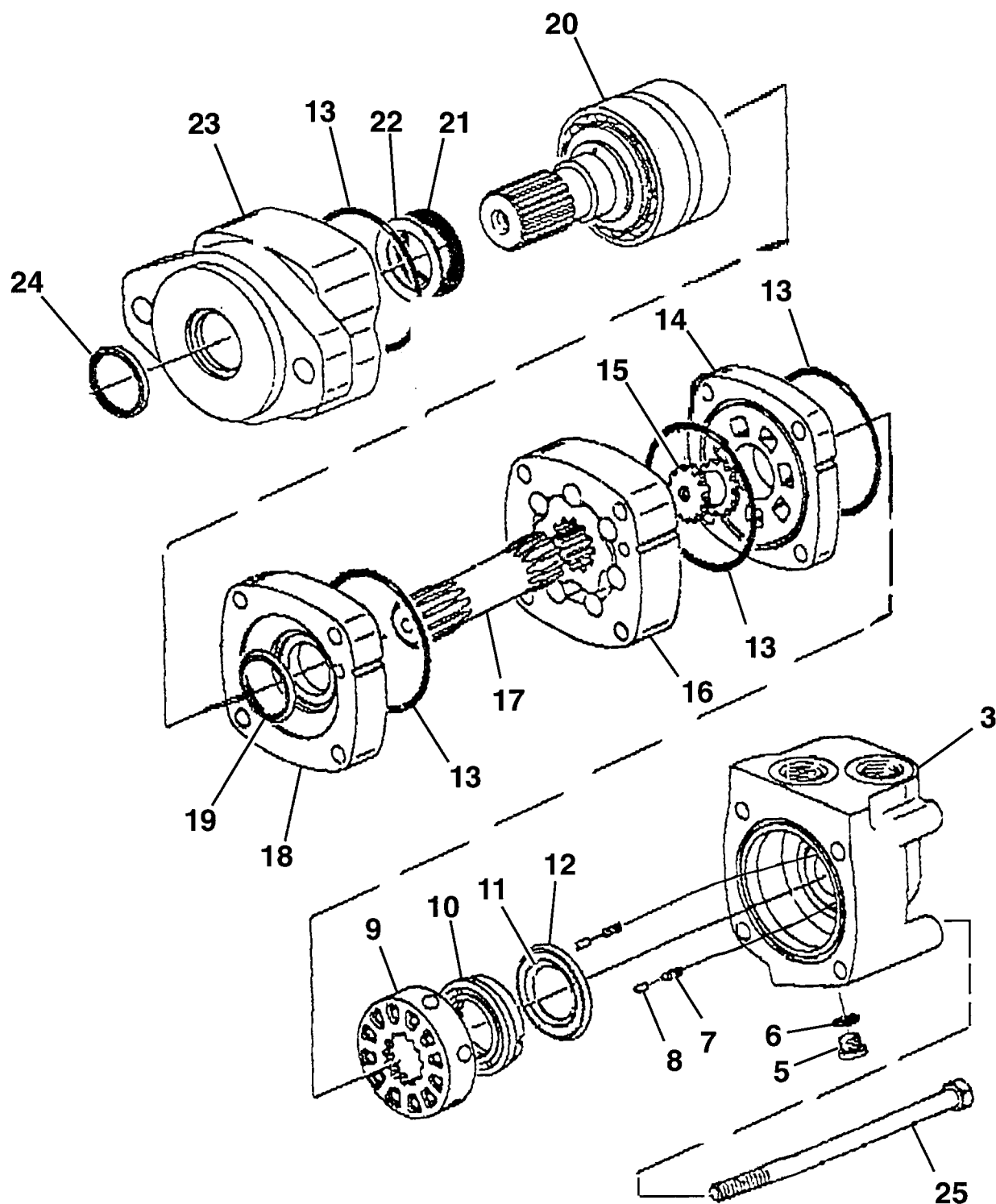
PLATE NO. 26.07

[illegible]

SIMON AERIALS INC.

NEW 19 APR., 1995

PART NO.	01-221900
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TITLE

WHEEL MOTOR ASSEMBLY (FRONT), AT 60

SIMON AERIALS INC.

NEW 19 APR., 1995

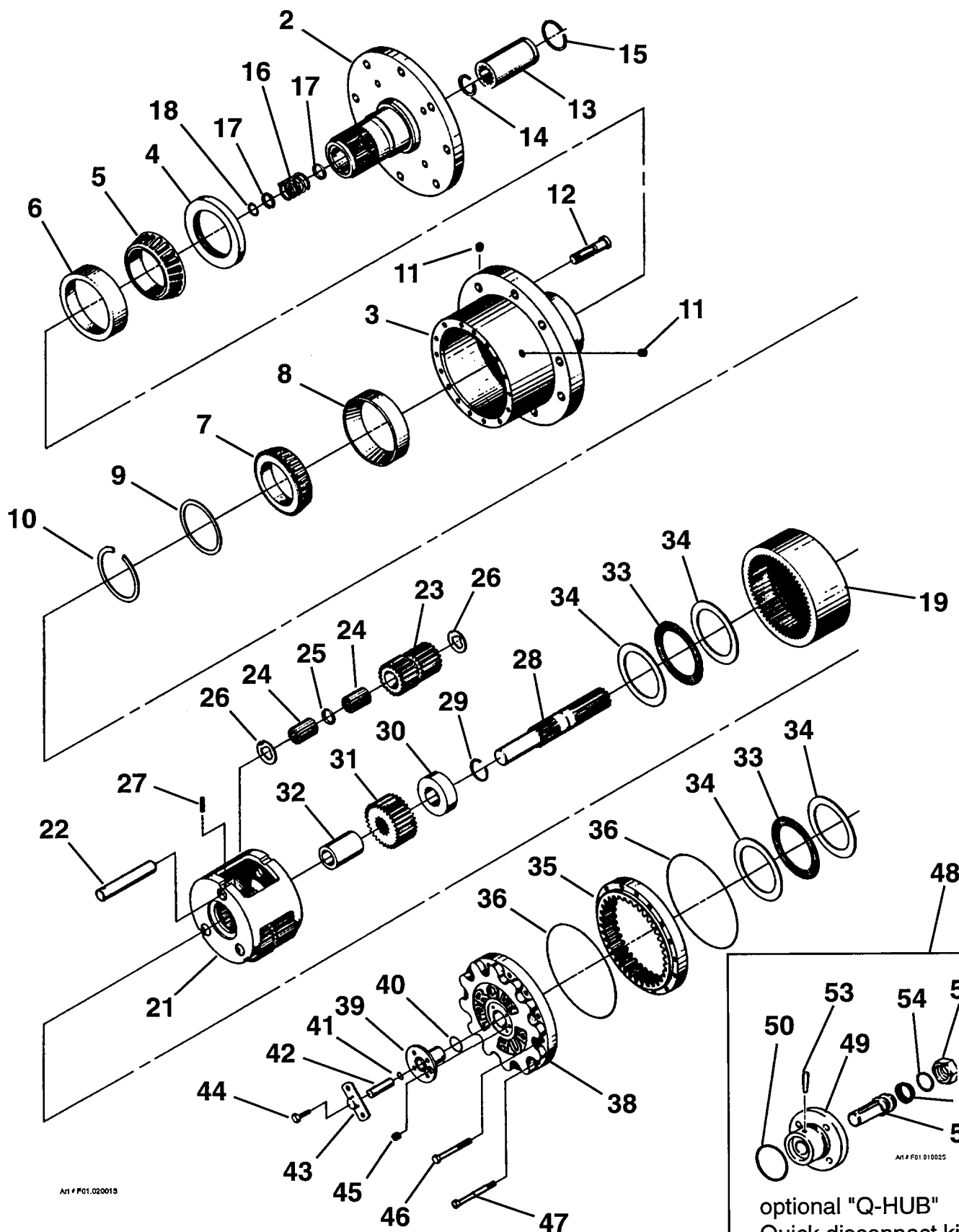
PART
NO.

01-221900

PLATE
NO.

26.10

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-042900 02-045900		TORQUE HUB ASSEMBLY 36.66:1 Ratio (Identification tag reads "W4B 9F00 337" 29.78:1 Ratio (Identification tag reads "W4B 9F00 330"	1
1			HUB AND SPINDLE ASSEMBLY	1
2			SPINDLE	1
3			HUB	1
4			SEAL, HUB	1
5			CONE AND ROLLER, HUB BEARING (inner)	1
6			CUP, HUB BEARING (inner)	1
7			CONE AND ROLLER, HUB BEARING (outer)	1
8			CUP, HUB BEARING (outer)	1
9			SPACER, HUB	1
10			RING, RETAINING	1
11			PLUG, PIPE	2
12			STUD, WHEEL MOUNTING	10
13			COUPLING, MOTOR	1
14			RING, RETAINING	1
15			RING, RETAINING	1
16			SPRING	1
17			WASHER	2
18			RING, RETAINING	1
19			GEAR, INTERNAL	1
20			CARRIER ASSEMBLY, PLANETARY	1
21			CASE, CARRIER	1
22			SHAFT, PLANET	3
23			GEAR, PLANET	3
24			ROLLER, NEEDLE	84
25			SPACER	3
26			WASHER, THRUST	6
27			PIN, ROLL	3
28			SHAFT, INPUT	1
29			RING, RETAINING	1
30			SPACER, THRUST	1
31			GEAR, INPUT	1
32			SPACER, THRUST	1
33			BEARING, THRUST	2
34			WASHER, THRUST	4
35			GEAR, RING	1
36			O-RING	2
TITLE TORQUE HUB, AT 60 (PLATE 1 OF 2)				
PLATE NO. 26.11		SIMON AERIALS INC.		PART NO.
NEW 25 APR., 1995				



TITLE

TORQUE HUB, AT 60 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 25 APR., 1995

PART
NO.

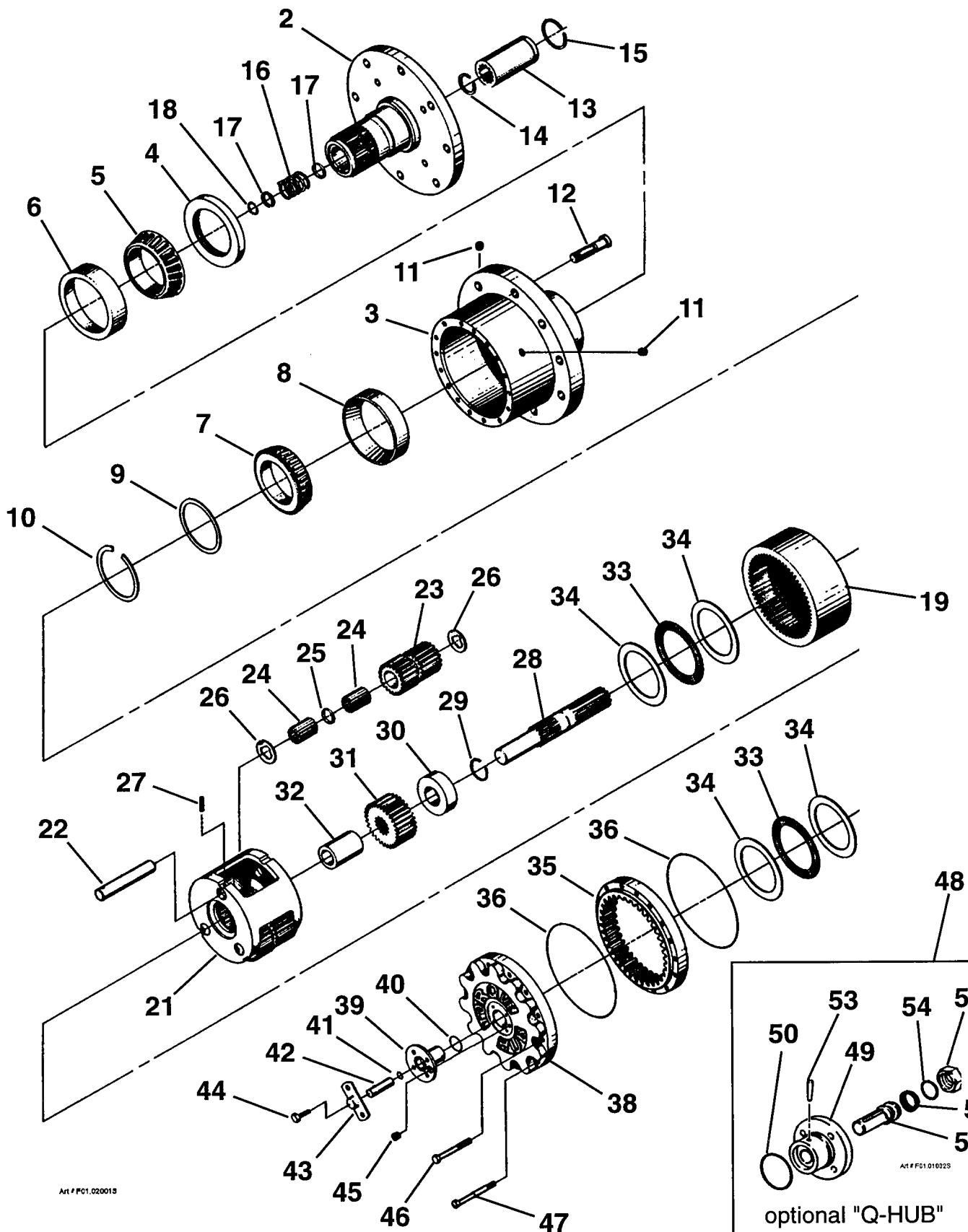
PLATE
NO.

26.11

[illegible]

TORQUE HUB, AT 60 (PLATE 2 OF 2)

**PART
NO.**



TITLE

TORQUE HUB, AT 60 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 25 APR., 1995

PART
NO.

PLATE
NO. 26.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	08-069000		SWING REDUCER ASSEMBLY	
2	08-069003		HOUSING, SWING REDUCER	1
3	08-068710		SHAFT, WORM	1
4	08-068705		CONE AND ROLLER, BEARING	2
5	08-068706		CUP, BEARING	2
6	08-068703		SEAL	2
7	08-068704		RING, SNAP (Input bearing)	1
8	08-068709		RETAINER, OUTPUT BEARING	1
9	08-068719		SEAL, OUTPUT BEARING	1
10	08-068702		"O"-RING	1
11	08-068716		SHIM (.005" [.127 mm] thick)	2
	08-068717		SHIM (.015" [.381 mm] thick)	2
	08-068718		SHIM (.030" [.762 mm] thick)	2
12	08-068715		CAP SCREW, FERRY (1/2"-13 x 1-1/4")	4
13	08-069001		BEARING, ROTATION	1
14	08-069002		PLATE, SUPERSTRUCTURE MOUNTING	1
15	08-069004		CAP SCREW, FERRY (7/16"-14 x 3-1/2")	9
16	08-068714		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4")	4
17	02-023502		GASKET, HYDRAULIC MOTOR (1/32" [.794 mm] thick)	1
18	08-068720		PIN, DOWEL	2
			The following items are not part of Swing Reducer Assembly 08-069000:	
19	01-210200	26.07	MOTOR, HYDRAULIC (10 c.i. [164 c.c.])	1
20	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
21	07-062018		WASHER, FLAT (1/2" SAE)	2
22	07-065018		WASHER, HELICAL LOCK (1/2")	2
23	10-126400		LUBRICANT, OPEN GEAR (Caulk tube)	
			(for use on swing gear teeth)	A.R

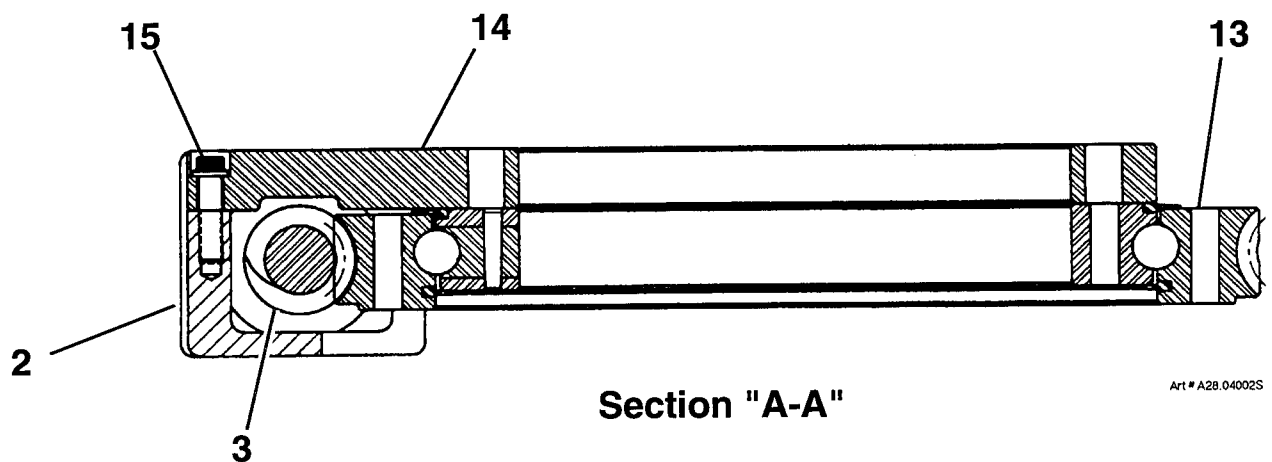
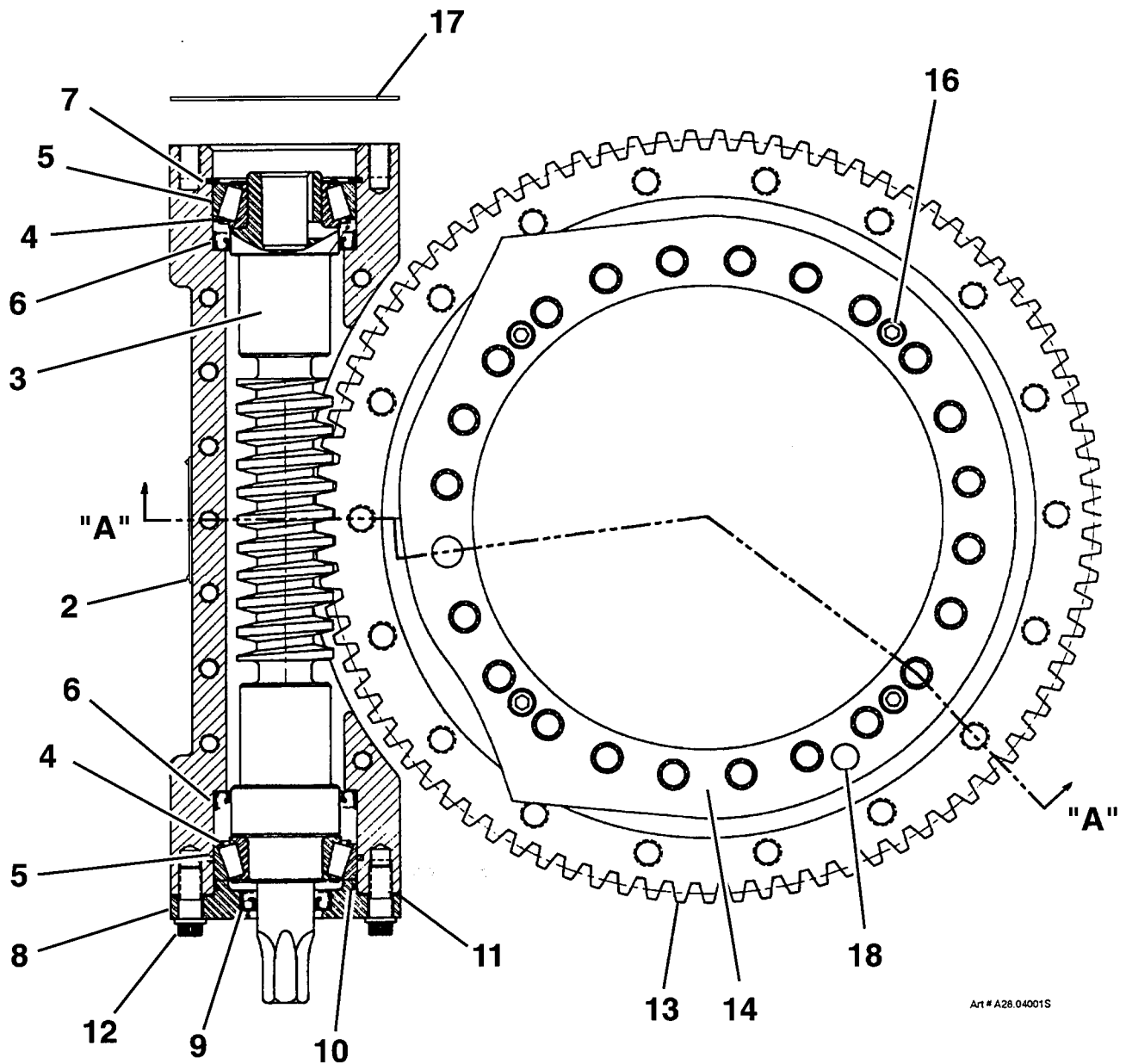
TITLE SWING REDUCER ASSEMBLY

PLATE NO. 28.06

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART NO. 08-069000



TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 24 MAR., 1995

PART
NO.

08-069000

PLATE
NO.

28.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-230800		VALVE, FLOW CONTROL (1 tooth)	1
2	2323270		ARM, ROCKER	1
3	07-023059		SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5)	1
4	08-010200		LINK KIT, CONNECTING	1
5	2323250		BRACKET, VALVE (right) (single switch side)	1
6	2323260		BRACKET, VALVE (left) (double switch side)	1
7	2121800		BUSHING, FLANGED	2
8	2121740		SHAFT, CAM	1
9	2323420		CAM, SWITCH (single)	1
10	2121770		CAM, SWITCH (double)	1
11	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	2
12	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	3
13	2329450		SPACER	1
14	07-062015		WASHER, FLAT (5/16")	3
15	07-050015		NUT, STOP (5/16"-18, Grade 5)	3
16	03-065000		MICRO SWITCH (includes roller lever actuator)	3
17	03-026500		ACTUATOR, BOLT ON (Roller lever)	1
18	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
19	07-013386		MACHINE SCREW, ROUND HEAD (#4-40 x 1-1/8", Grade 2)	2
20	07-065003		WASHER, HELICAL LOCK (#4)	4
21	07-062003		WASHER, FLAT (#4)	4
			The following items are not part of the Drive Control Valve Assembly:	
22	3530010	29.09	HANDLE ASSEMBLY, DRIVE CONTROL	1
23	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
24	06-044300		90° ELBOW, STRAIGHT THREAD (4 C50X-S)	2

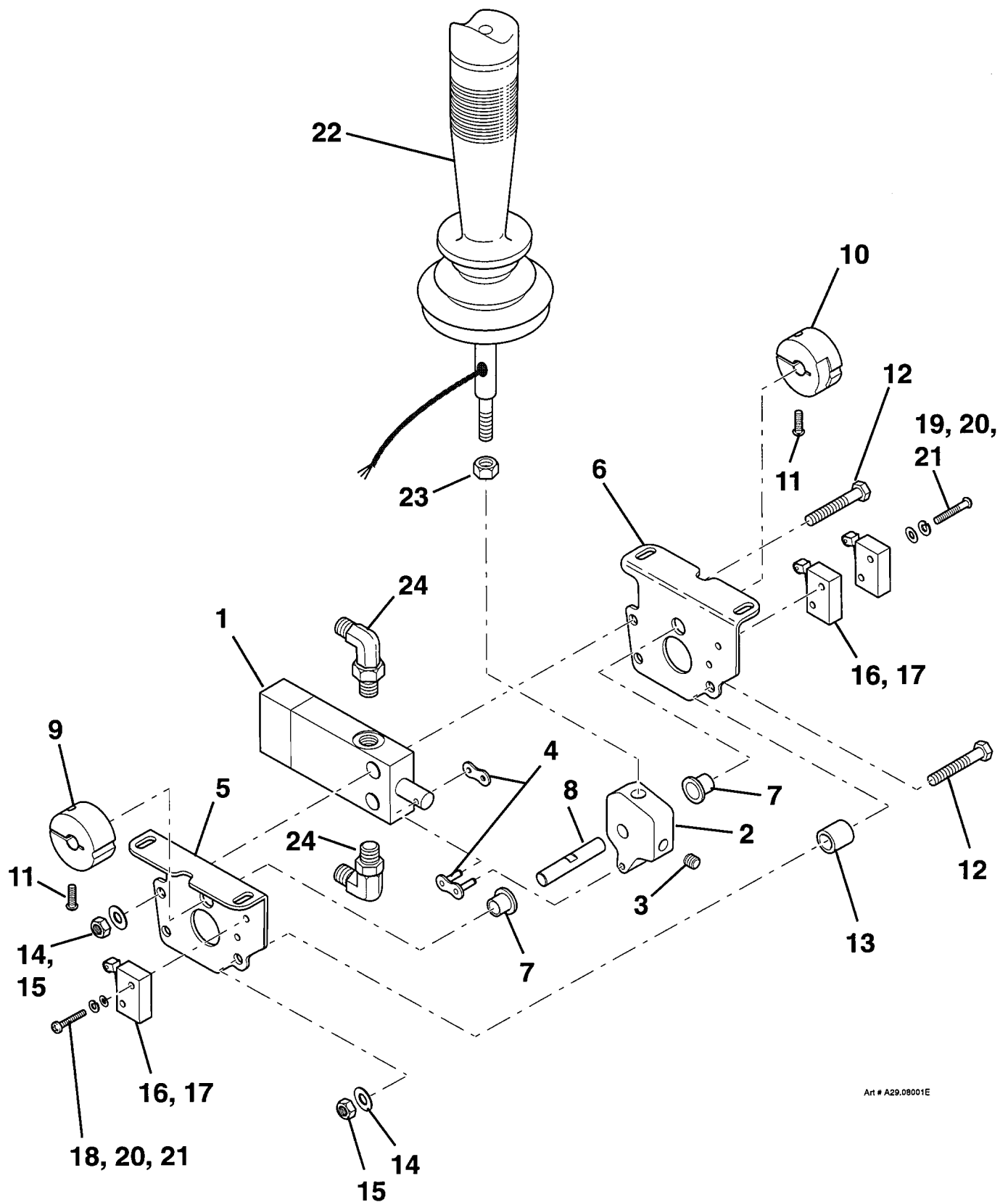
TITLE DRIVE CONTROL VALVE ASSEMBLY

PLATE NO. **29.08**

SIMON AERIALS INC.

NEW 21 MAR., 1994

PART NO. **3536690**



Art # A29.08001E

TITLE

DRIVE CONTROL VALVE ASSEMBLY

SIMON AERIALS INC.

NEW 21 MAR., 1994

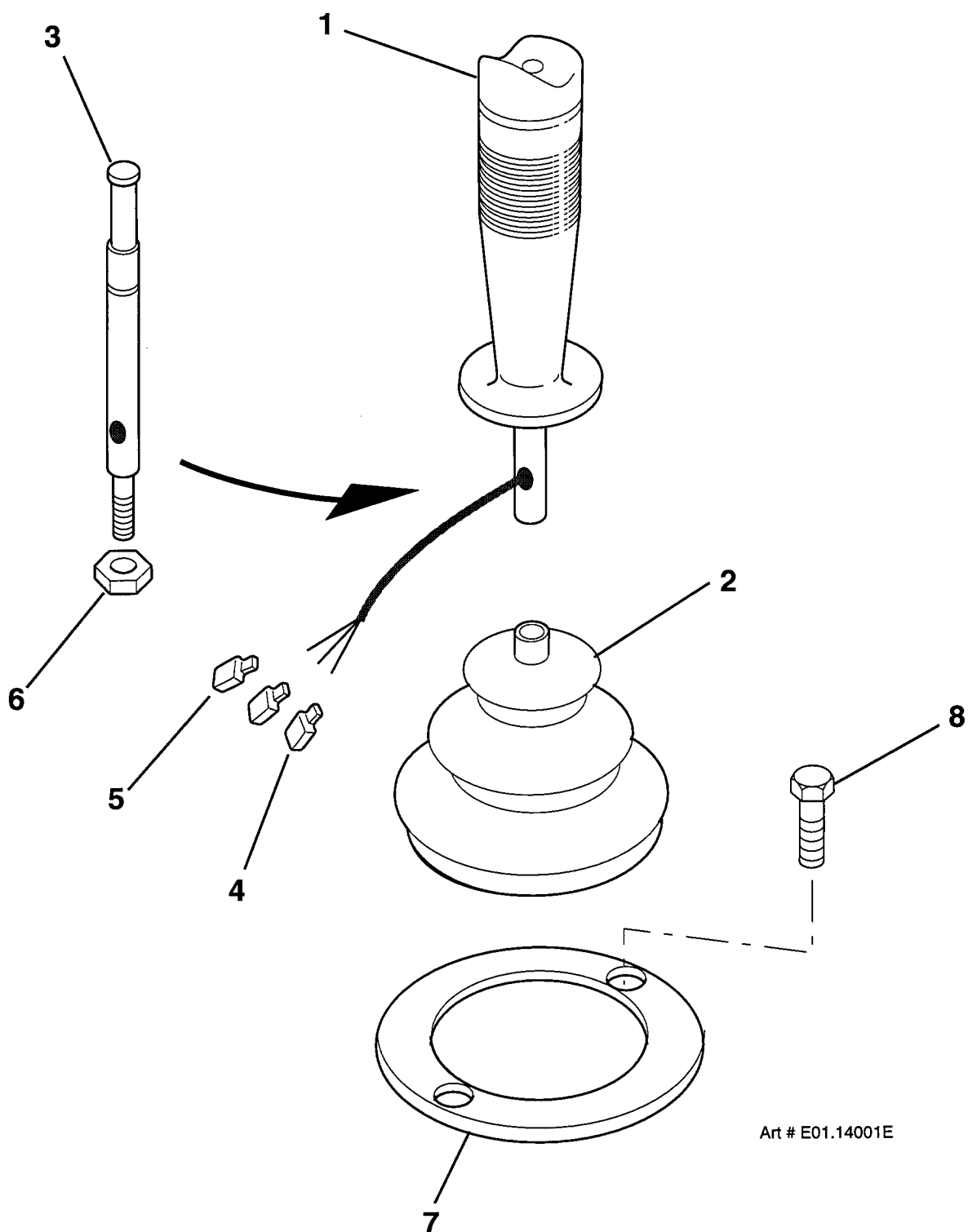
PART
NO.

3536690

PLATE
NO.

29.08

[illegible]



Art # E01.14001E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 01 MAR., 1994

PART
NO.

3530010

PLATE
NO.

29.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, AT 60 (With Full Hydraulic controls) (Not available. Purchase decals individually)	1
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1
3	10-150500		DECAL, "DANGER" (Electrocution)	2
4	10-151200		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
5	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with liquid cooled engines)	1
6	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with exposed engine cooling fans)	1
7			PLACARD, FUEL "GASOLINE ONLY" (Black type on white)	1
	10-117900		"DIESEL FUEL ONLY" (Black type on white)	
8	10-151100 10-151300		PLACARD, "HYDRAULIC FLUID ONLY" (Black type on white)	1
9	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
10	10-223900		DECAL, "MAIN/ EMERGENCY PUMP"	1
11	10-255900		DECAL, GROUND CONTROL LEVERS	1
12	10-157100		DECAL, "MANUAL BRAKE RELEASE"	1
13	10-131500		PLACARD, REMOTE CONTROL PENDANT (with option)	1
14	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
15	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."	3
16	10-148300		DECAL, "Platform capacity 500 Lbs (225 Kg)" (4-1/2" [114 mm] wide)	4
17	10-012900		DECAL, "FORWARD" WITH ARROW	2
18	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
19	10-108600		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for "Dual fuel" versions) Note: Decal is marked "215 7710"	1
	10-024700		DECAL, "GAS OUT/ LPG IN" (not shown) (was used in place of "For proper operation . . ." decal in some applications)	1
20	10-243900		PLACARD, PLATFORM CONTROL VALVES	1
21	10-221300		DECAL, PLATFORM ELECTRICAL BOX	1
22	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
23	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	1
24	10-017200		DECAL, "SIMON" NAME (Black, 5" [127 mm] high)	2
25	10-105900		DECAL, "SIMON" NAME (White, 5" [127 mm] high)	2

TITLE

DECALS, AT-60 FULL HYDRAULIC (PLATE 1 OF 2)

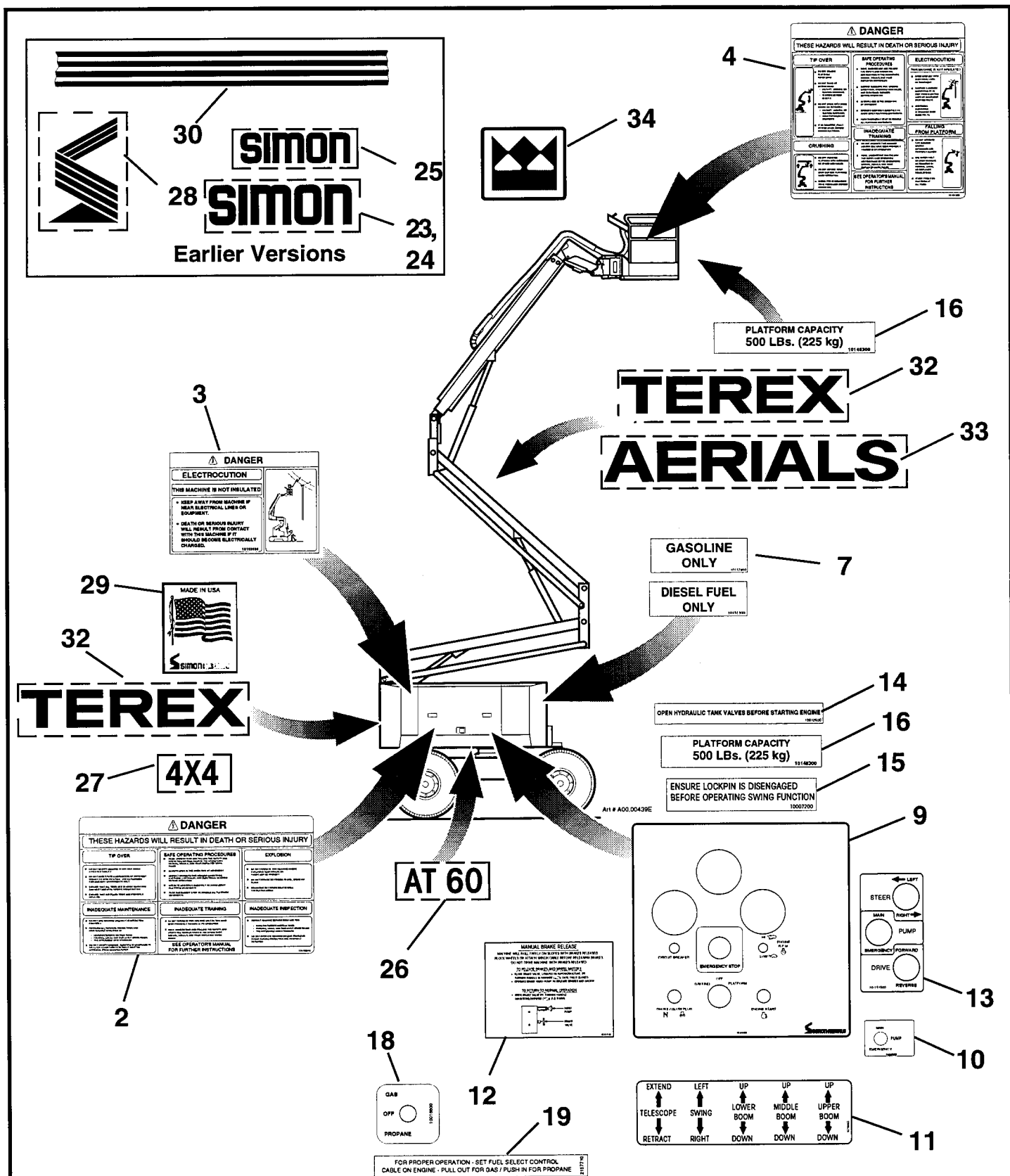
PLATE
NO.

99.15

SIMON AERIALS INC.

REV 12 MAY, 1997

PART
NO.



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

TITLE

DECALS, AT-60 FULL HYDRAULIC (PLATE 1 OF 2)

SIMON AERIALS INC.

REV 12 MAY, 1997

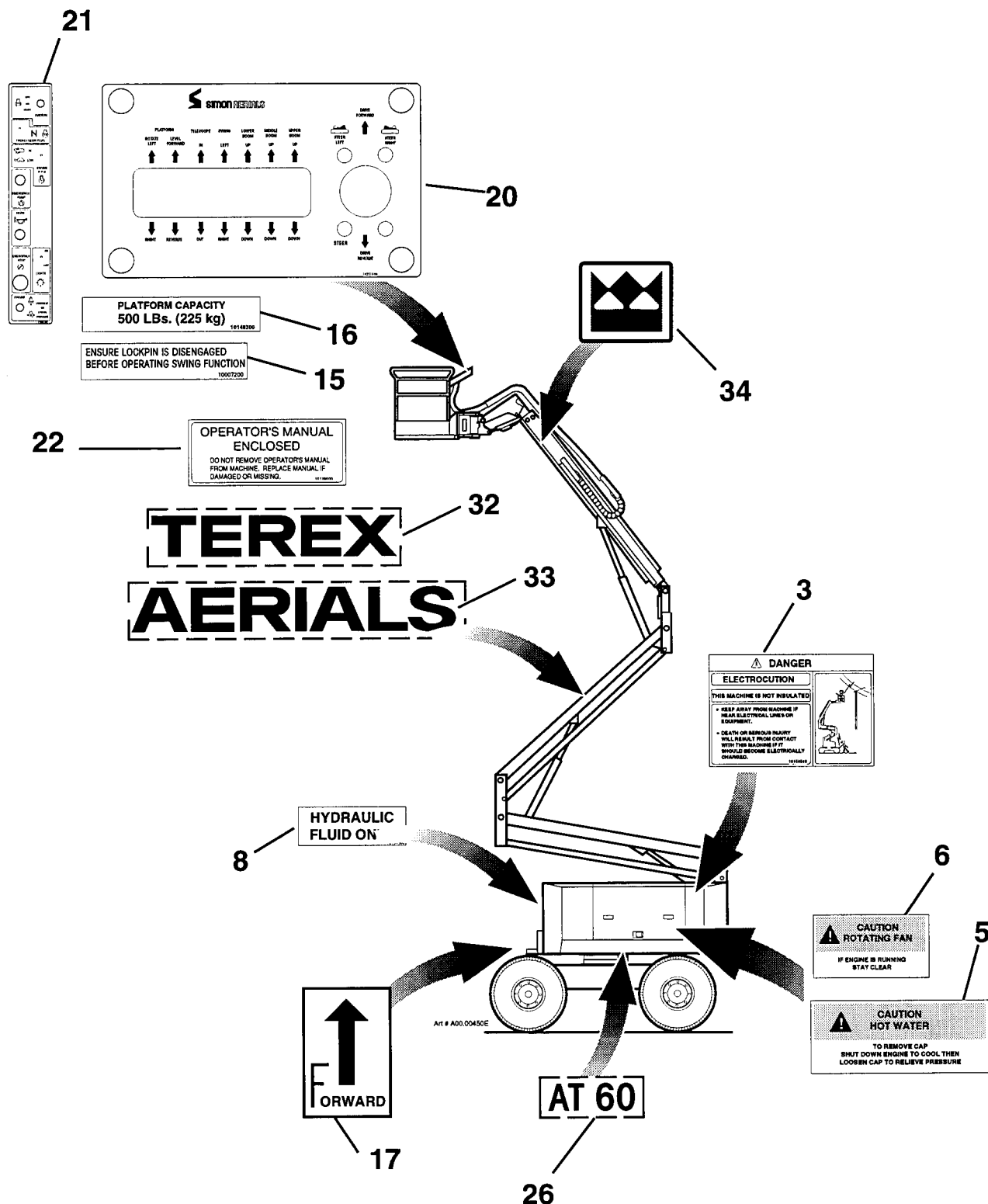
PART NO.

PLATE NO. 99.15

[illegible]

DECALS, AT-60 FULL HYDRAULIC (PLATE 2 OF 2)

PART
NO.



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

TITLE

DECALS, AT-60 FULL HYDRAULIC (PLATE 2 OF 2)

SIMON AERIALS INC.

REV 12 MAY, 1997

PART
NO.

PLATE
NO. **99.15**