



TEREX AERIALS

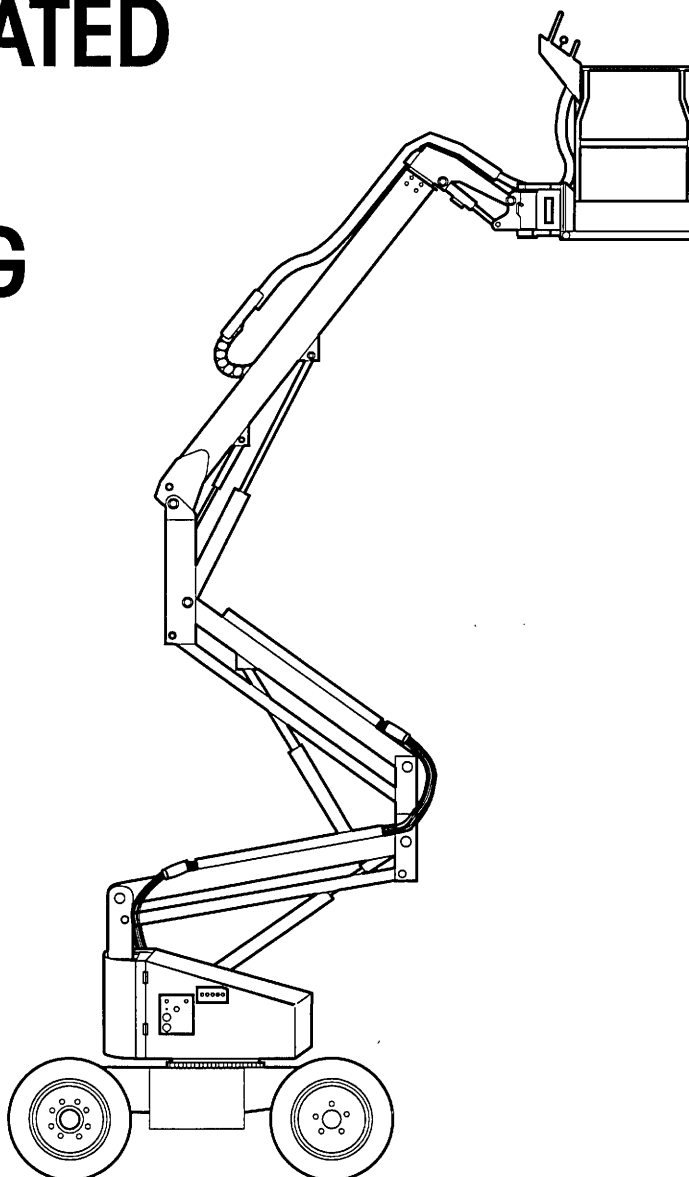
Milwaukee, Wisconsin

ELECTRIC EAGLE

41/24 S/N DDA 00101 and up

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-412725 • Revision "0.4" dated June 1996 •

TABLE OF CONTENTS

INTRODUCTION

PRIMARY MACHINE COMPONENT GROUPS

SECTION 1: UNDERCARRIAGE

01.16: UNDERCARRIAGE ASSEMBLY

SECTION 2: SUPERSTRUCTURE

02.23: SUPERSTRUCTURE ASSEMBLY

SECTION 3: BOOM

03.16: BOOM ASSEMBLY

SECTION 4: PLATFORM

04.20: PLATFORM ASSEMBLY (FIXED)

04.21: PLATFORM ASSEMBLY (ROTATING)

04.48: SENSOR RING (30" x 60" PLATFORM)

04.49: SENSOR RING (30" x 48" PLATFORM)

SECTION 6: VALVE BANK

06.21: FIXED PLATFORM VALVE BANK ASSEMBLY

06.22: ROTATING PLATFORM VALVE BANK ASSEMBLY

06.24: GROUND VALVE BANK ASSEMBLY

SECTION 7: GROUND CONTROL BOX

07.19: GROUND CONTROL BOX ASSEMBLY

SECTION 9: PLATFORM CONTROL CONSOLE

09.20: PLATFORM CONTROL CONSOLE

SECTION 10: SCR CONTROL BOARD

10.03: DRIVE CONTROLLER

TABLE OF CONTENTS (CONTINUED)

SECTION 11: CYLINDERS

11.06: MASTER LEVEL CYLINDER

11.07: SLAVE LEVEL CYLINDER

11.12: STEER CYLINDER

11.18: TELESCOPE CYLINDER

11.19: LIFT CYLINDER

SECTION 12: PUMPS

12.10: EMERGENCY HAND PUMP ASSEMBLY

12.11: POWER UNIT

SECTION 18: WHEEL BRAKES

18.05: BRAKE ACTUATOR ASSEMBLY

18.06: REAR DRUM BRAKE ASSEMBLY

SECTION 19: AXLE

19.07: REAR AXLE ASSEMBLY

SECTION 20: DRIVE SHAFT

20.13: REAR DRIVE SHAFT

SECTION 21: PLATFORM ROTATOR

21.02: ROTARY ACTUATOR

SECTION 22: BRAKE; SPEED REDUCER

22.08: SPEED REDUCER WITH BRAKE

TABLE OF CONTENTS (CONTINUED)

SECTION 23: MANIFOLD

23.08: HYDRAULIC MANIFOLD ASSEMBLY

SECTION 26: HYDRAULIC MOTORS

26.07: SWING MOTOR

SECTION 28: SWING REDUCER

28.03: SWING REDUCER (TYPE 1)

28.04: SWING REDUCER (TYPE 2)

SECTION 29: CONTROLLER

29.06: DRIVE CONTROLLER ASSEMBLY

SECTION 30: MISCELLANEOUS ELECTRICAL

30.08: "EE" RATING PACKAGE

30.09: BATTERY CHARGER (110 VOLT)

30.10: BATTERY CHARGER (115/ 230 VOLT)

30.11: BATTERY CHARGER (230 VOLT)

SECTION 99: DECALS

99.11: DECALS

INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON 41/24 ELECTRIC EAGLE SELF-PROPELLED AERIAL WORK PLATFORMS with Serial Numbers DDA 00001 and above. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure maximum SAFETY and PERFORMANCE.

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

HOW TO USE THIS CATALOG

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

The "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 41/24 ELECTRIC EAGLE machines DDA 00001 and above 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:

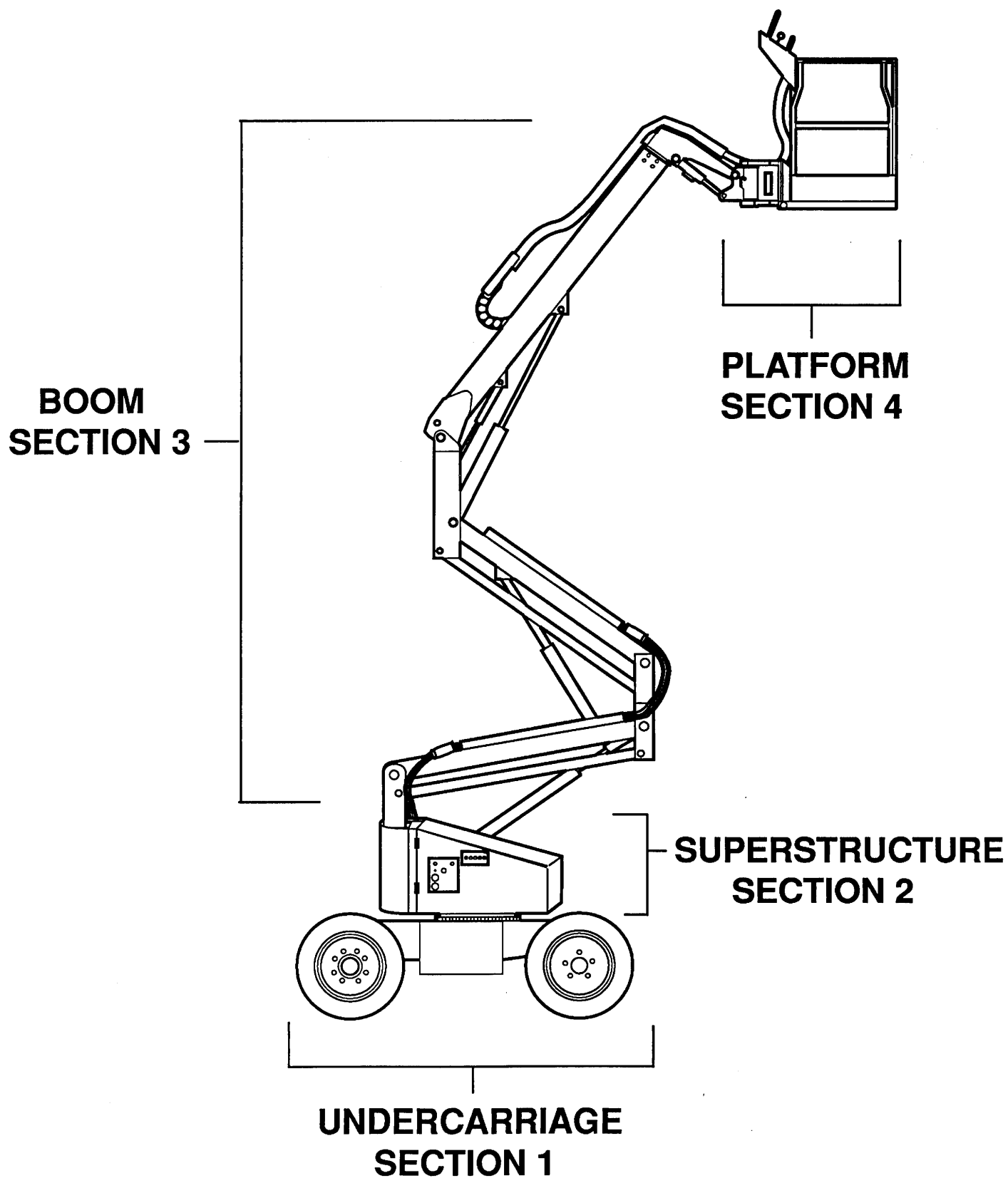
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

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



TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART
NO.PLATE
NO.

PARTS LIST

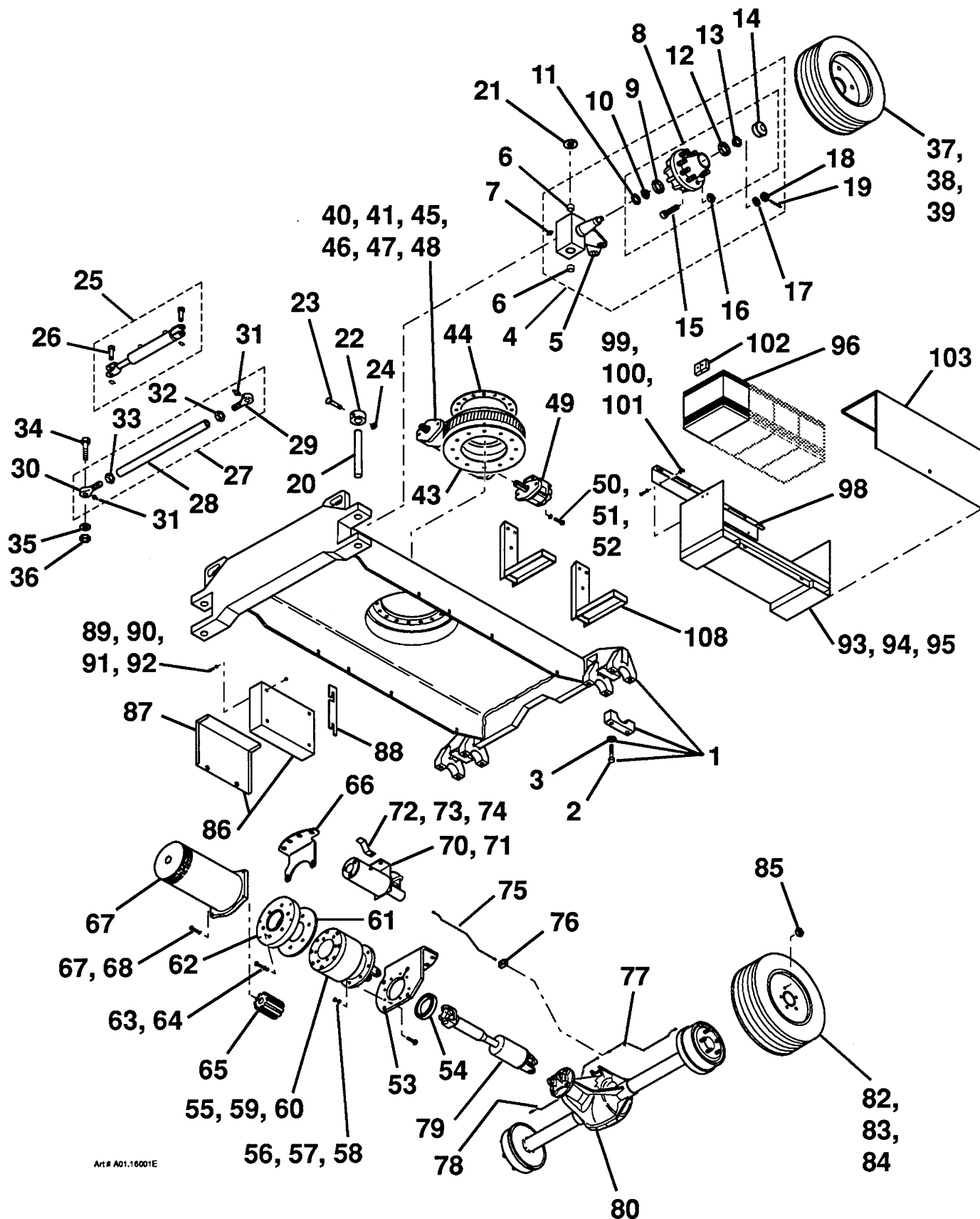
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	A-A3525380 A-A3527590		UNDERCARRIAGE ASS'Y. (with "Type 1" Swing bearing) UNDERCARRIAGE ASS'Y. (with "Type 2" Swing bearing)	
1	2183600		UNDERCARRIAGE WELDMENT (includes four axle mounting plates, cap screws and washers)	1
2	07-004156		CAP SCREW, HEX HEAD (3/4"-10 x 3-3/4", Grade 8)	8
3	07-061022		WASHER, FLAT (3/4" SAE)	8
4	3518280		SPINDLE ASSEMBLY, RIGHT (without Tow Package)	1
	3518290		SPINDLE ASSEMBLY, LEFT	1
5	2152030		SPINDLE WELDMENT, RIGHT	1
	2152020		SPINDLE WELDMENT, LEFT	1
6	08-014000		BUSHING	2
7	08-051300		FITTING, GREASE (1/8", 90°)	1
8	02-026200		HUB ASSEMBLY	1
9	02-026202		CUP, FRONT INNER BEARING	1
10	02-026207		CONE AND ROLLER, FRONT INNER BEARING	1
11	02-026209		SEAL	1
12	02-026203		CUP, FRONT OUTER BEARING	1
13	02-026208		CONE AND ROLLER, FRONT OUTER BEARING	1
14	02-026206		CAP	1
15	02-026204		STUD, FRONT WHEEL MOUNTING	8
16	02-026205		NUT, LUG (5/8"-18)	8
17	02-026210		WASHER	1
18	02-026211		NUT, CASTLE	1
19	07-070507		PIN, COTTER (1/8" x 1-3/4")	1
20	2105980		PIN, SPINDLE (1-1/2" dia. x 11-3/4")	2
21	08-014100		WASHER, THRUST	2
22	2105990		COLLAR, LOCK	2
23	07-003094		SCREW, HEX (1/2"-13 x 3-1/4", Grade 5)	2
24	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
25	04-030300	11.12	CYLINDER, STEER	1
26	04-030305		PIN, CLEVIS (with Cotter Pin)	2

TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 4)

PLATE NO. 01.16 **SIMON AERIALS INC.**

REV. 08 JAN., 1993

PART NO.



Art# A01.16001E

TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 08 JAN., 1993

PART
NO.

PLATE
NO.

01.16

PARTS LIST

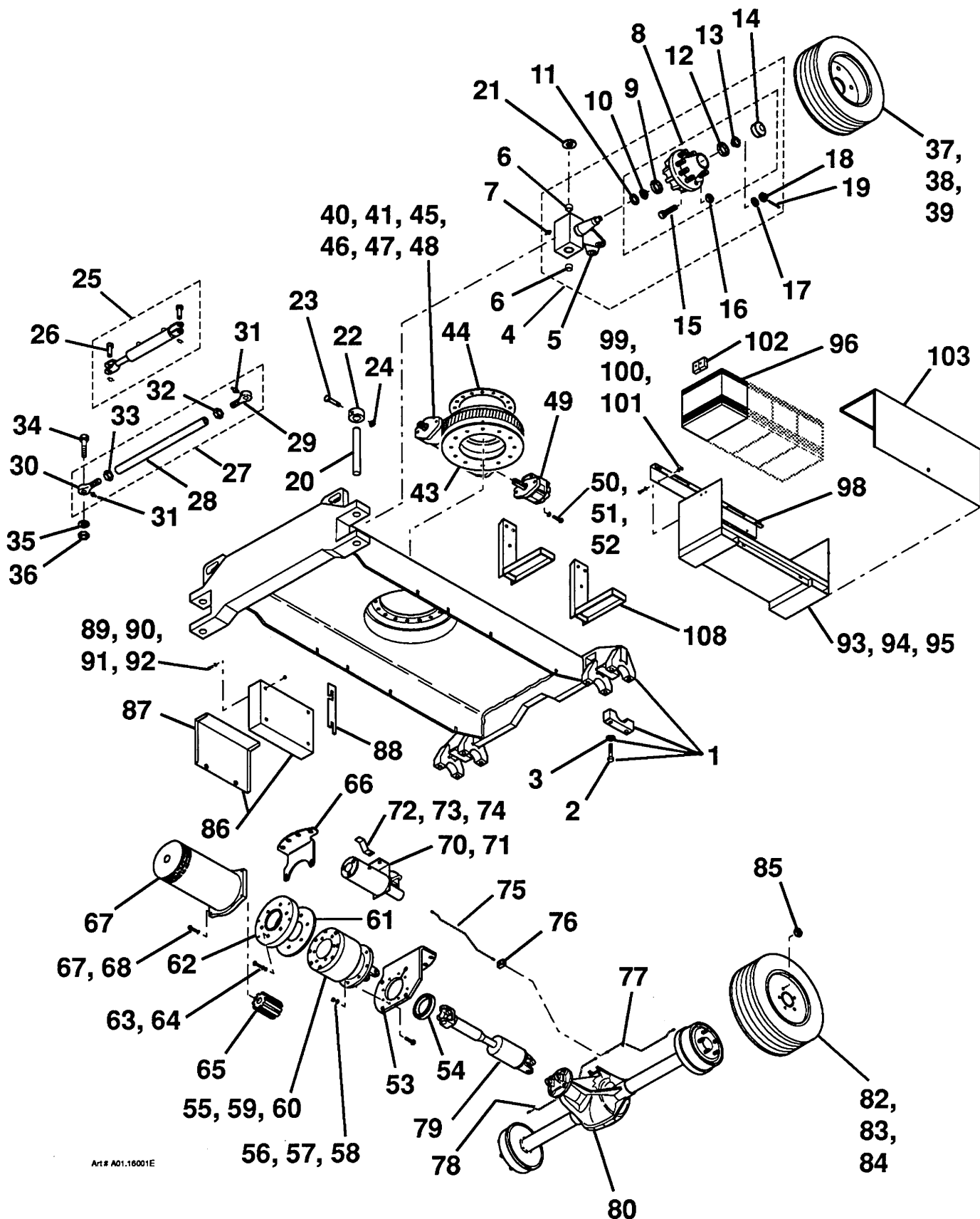
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	3518300		TIE ROD ASSEMBLY	1
28	2151610		TIE ROD	1
29	08-007100		END, TIE ROD (R.H. thread)	1
30	08-060600		END, TIE ROD (L.H. thread)	1
31	08-053100		FITTING, GREASE (1/4"-28, Straight)	1
32	07-047122		NUT, JAM (3/4"-16, R.H. thread, Grade 5)	1
33	07-048122		NUT, JAM (3/4"-16, L.H. thread, Grade 5)	1
34	07-004652		SCREW, HEX HEAD (3/4"-16 x 2-3/4", Grade 8)	2
35	07-065022		WASHER, LOCK (3/4")	2
36	07-047122		NUT, JAM (3/4"-16)	2
37	3518740		TIRE AND WHEEL ASSEMBLY, STEER (Air filled)	2
	3518310		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
	3518330		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
38	02-040600		TIRE, WIDE OVAL (8.75 - 16.5 LT, 8 Ply Tubeless) (this tire is a direct replacement for 02-023200)	1
	02-041300		TIRE (8.75 - 16.5 LT, 8 Ply Tubeless) (this tire supercedes both 02-040600 and 02-023200)	1
39	02-028200		WHEEL ASSEMBLY, STEER	1
40	08-068500		SWING BEARING (Type 1. Bearing and gearbox separate.)	1
41	08-068600	28.03	GEAR BOX, SWING BEARING (Type 1, w/ separate bearing)	1
	08-068700	28.04	SWING REDUCER (Type 2. Includes bearing.)	1
42	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R.
43	2303380		SPACER RING, LOWER (used when installing "Type 2" swing reducer on a unit originally equipped with "Type 1")	1
44	2303390		SPACER RING, UPPER (used when installing "Type 2" swing reducer on a unit originally equipped with "Type 1")	1
45	07-004137		CAP SCREW, HEX HEAD 5/8"-11 x 4", Grade 8 (used on earlier versions)	14
	• 07-004138		5/8"-11 x 4-1/2", Grade 8 (for later versions)	14
46	07-004138		CAP SCREW, HEX HEAD 5/8"-11 x 4-1/2", Grade 8 (used on earlier versions)	4
	• 07-004139		5/8"-11 x 5", Grade 8 (for later versions)	4
47	07-061021		WASHER, FLAT (5/8" SAE)	18
48	07-004135		CAP SCREW, HEX HEAD (5/8"-11 x 3-1/2", Grade 8)	24
49	01-210200	26.07	MOTOR, HYDRAULIC [10 c.i. (163.9 c.c.)]	1
50	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	2
51	07-062016		WASHER, FLAT (3/8" SAE)	2
52	07-065016		WASHER, HELICAL LOCK (3/8")	2
53	2185440		BRACKET, GEAR BOX MOUNTING	1
54	01-097000		SEAL, OIL (60 mm I.D. x 85 mm O.D. x 10 mm)	1

TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 4)

PLATE NO. 01.16 SIMON AERIALS INC.

REV. 10 SEP., 1993
THIS SHEET ONLY

PART NO.



TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 4)

SIMON AERIALS INC.

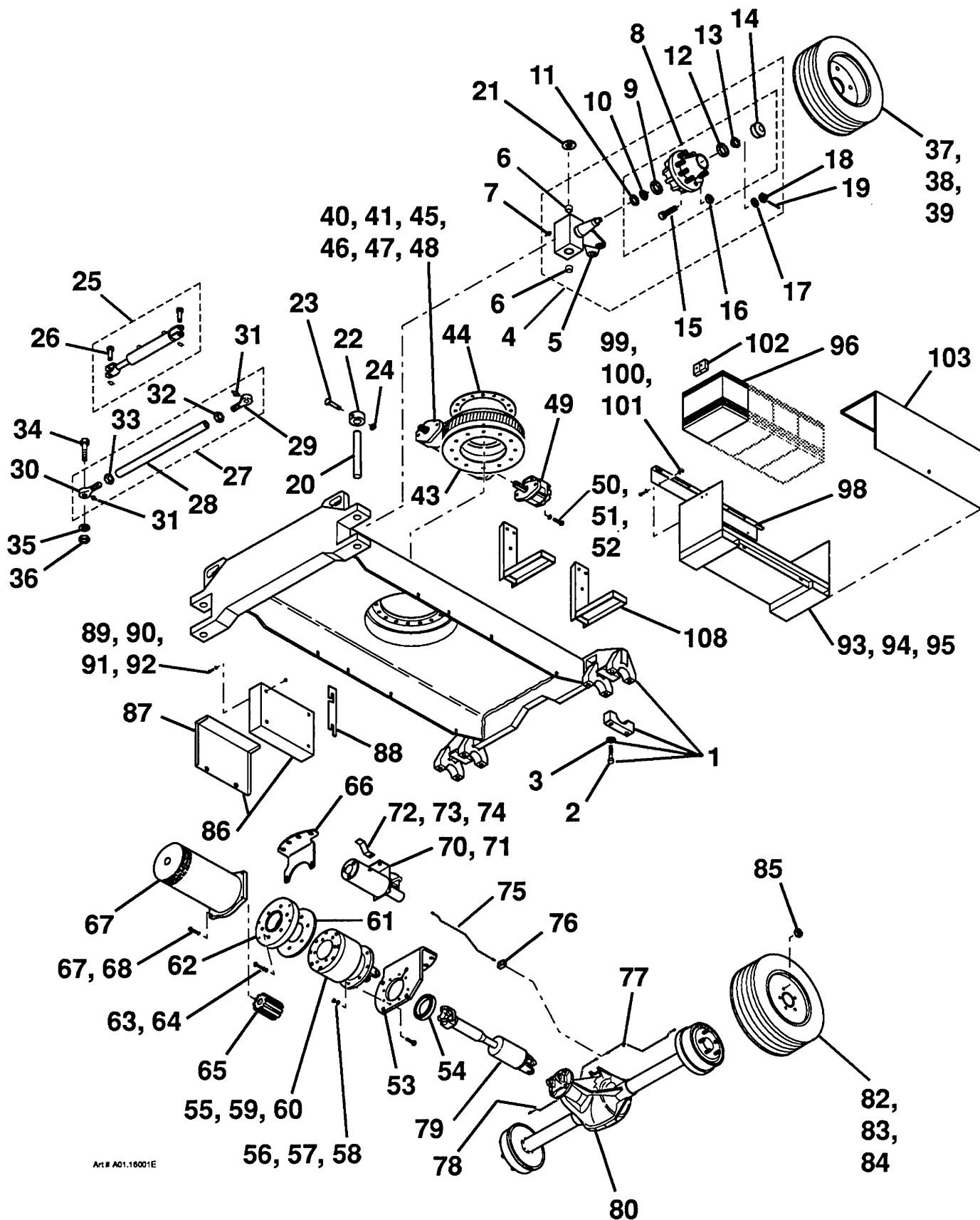
REV. 08 JAN., 1993

PART
NO.

PLATE
NO.

01.16

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
55	02-036300	22.08	SPEED REDUCER, WITH BRAKE (Gear box, 20:1 ratio)	1
56	07-093300		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 8)	8
57	07-062015		WASHER, FLAT (5/16" SAE)	8
58	07-050015		NUT, LOCK (5/16"-18, Grade 5)	8
59	06-206000		FITTING, BRAKE (4-12-37M2)	2
60	06-209000		BREATHER (1/4" NPT)	2
61	2189530		GASKET, GEAR BOX TO ADAPTER	1
62	2187880		ADAPTER, MOTOR TO GEAR BOX	1
63	07-093200		CAP SCREW, SOCKET HEAD (M12-1.75 x 25 mm, Gr. 12.9)	6
64	07-066009		WASHER, HELICAL LOCK (12 mm, high collar)	6
65	2187900		SPLINE, DRIVE ADAPTER	1
66	2189880		BRACKET, DRIVE GEAR BOX SUPPORT	1
67	03-487800	31.01	MOTOR, ELECTRIC [48 Volt DC, 4 HP (2.98 Watts)]	1
68	07-093800		CAP SCREW, HEX HEAD (M10-1.5 x 20 mm, Grade 8.8)	4
	07-090071		CAP SCREW, HEX HEAD (M10-1.5 x 30 mm, Grade 8.8)	4
69	07-066006		WASHER, HELICAL LOCK (10 mm)	4
70	01-210100	18.05	ACTUATOR ASSEMBLY, BRAKE	1
71	01-212100		VALVE, FLOW CONTROL	1
72	2188590		BRACKET, BRAKE ACTUATOR SUPPORT	1
73	07-050016		NUT, LOCK (3/8"-16, Grade 5)	1
74	07-062016		WASHER, FLAT (3/8" SAE)	1
75	2188630		BRAKE LINE, ACTUATOR TO TEE [32" (.81 M) long]	1
76	06-198300		TEE, BRAKE LINE (Brass)	1
77	2188640		BRAKE LINE, TEE TO LEFT WHEEL [24" (.60 M) long]	1
78	2188650		BRAKE LINE, TEE TO RIGHT WHEEL [34-1/2" (.88 M) long]	1
79	02-036400	20.13	DRIVE SHAFT, REAR	1
80	2194640	19.07	AXLE ASSEMBLY, REAR	1
81	02-022229		SEALANT, RTV (for axle center cover) (Ford # D6AZ 19562-ba or equivalent)	A.R.
82	3514960		TIRE AND WHEEL ASSEMBLY, DRIVE (Air filled)	2
	3515060		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
	3515100		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
83	02-040600		TIRE, WIDE OVAL (8.75 - 16.5 LT, 8 Ply Tubeless) (this tire is a direct replacement for 02-023200)	1
	02-041300		TIRE (8.75 - 16.5 LT, 8 Ply Tubeless) (this tire supercedes both 02-040600 and 02-023200)	1
84	2136970		WHEEL ASSEMBLY, DRIVE (16.5" x 6.75")	1
85	02-022266		NUT, WHEEL LUG	16
TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 3 OF 4)				
PLATE NO.	01.16	SIMON AERIALS INC.		PART NO. A-A3527590
REV. 08 JAN., 1993				



Art # A01.16001E

TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 3 OF 4)

SIMON AERIALS INC.

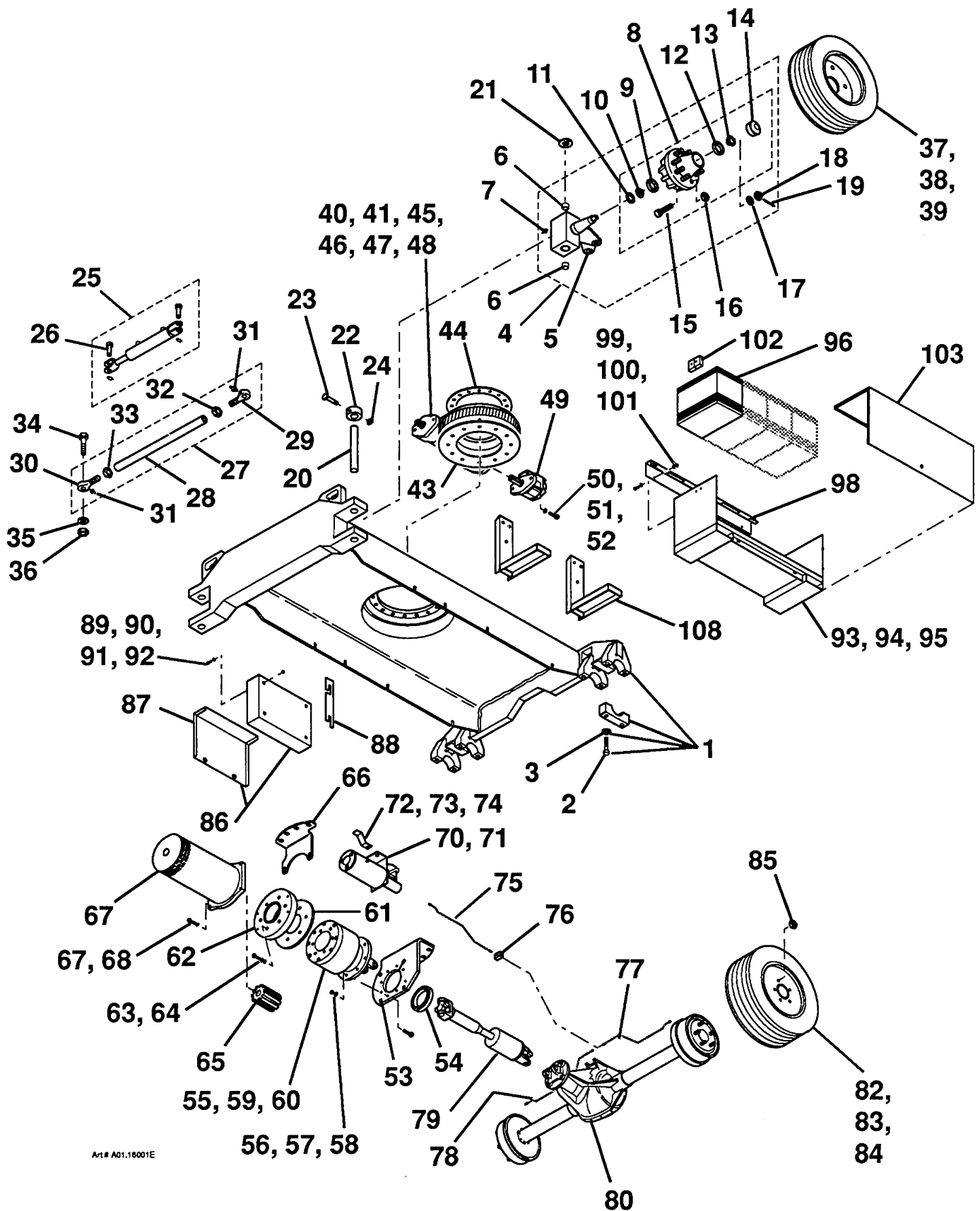
REV. 08 JAN., 1993

PART NO. A-A3527590

PLATE NO. 01.16

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PLATE NO.	01.16	SIMON AERIALS INC.	REV. 08 JAN., 1993	PART NO.	A-A3527590
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Art# A01.16001E

TITLE UNDERCARRIAGE ASSEMBLY, ELECTRIC EAGLE (PLATE 4 OF 4)

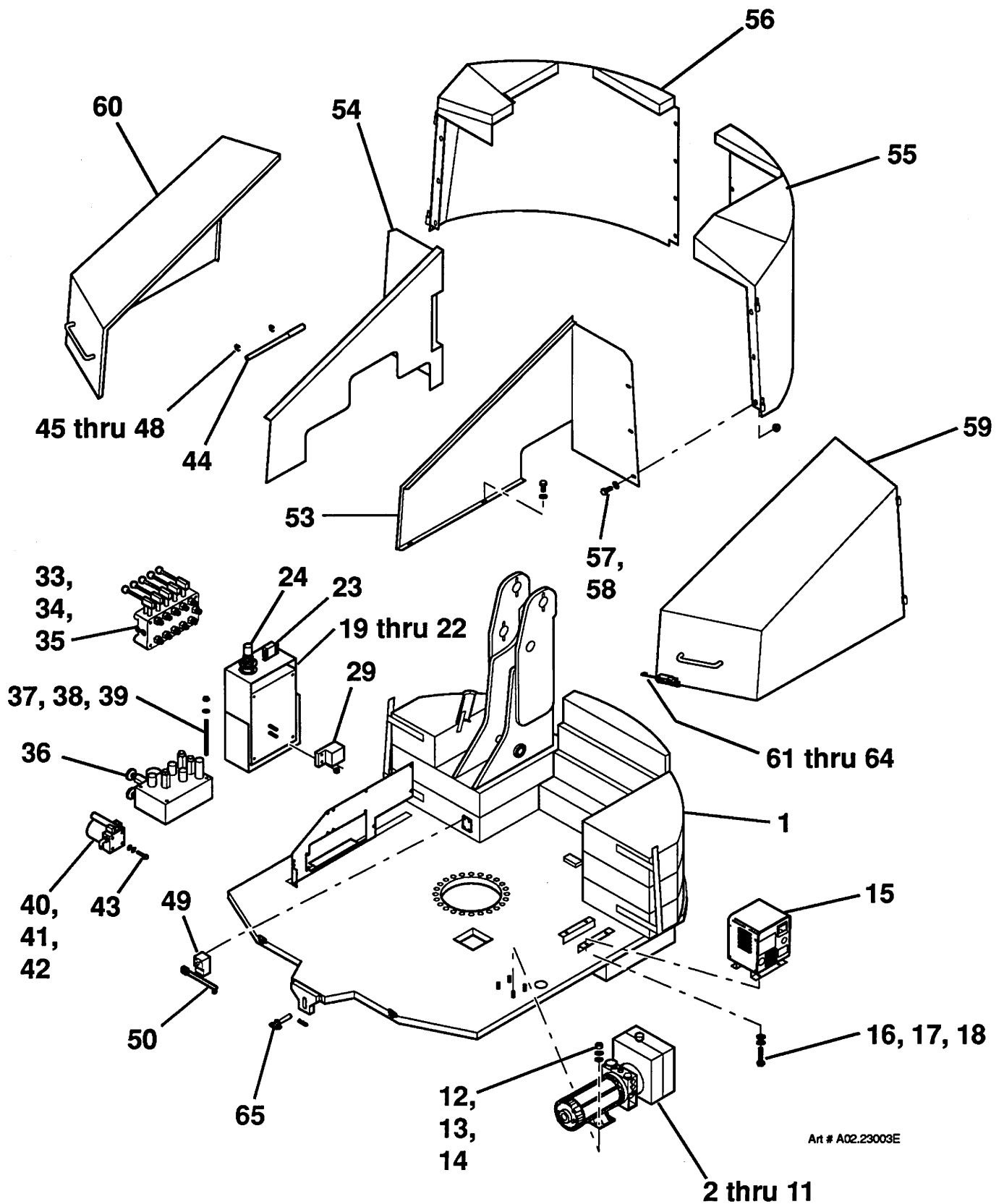
SIMON AERIALS INC.

REV. 08 JAN., 1993

PART NO. **A-A3527590**

PLATE NO. **01.16**

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TITLE SU	
PLATE NO.	



TITLE SUPERSTRUCTURE ASSEMBLY, 41/24 ELECTRIC EAGLE (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 21 OCT., 1992

PART NO. A-B 3527610

PLATE NO.

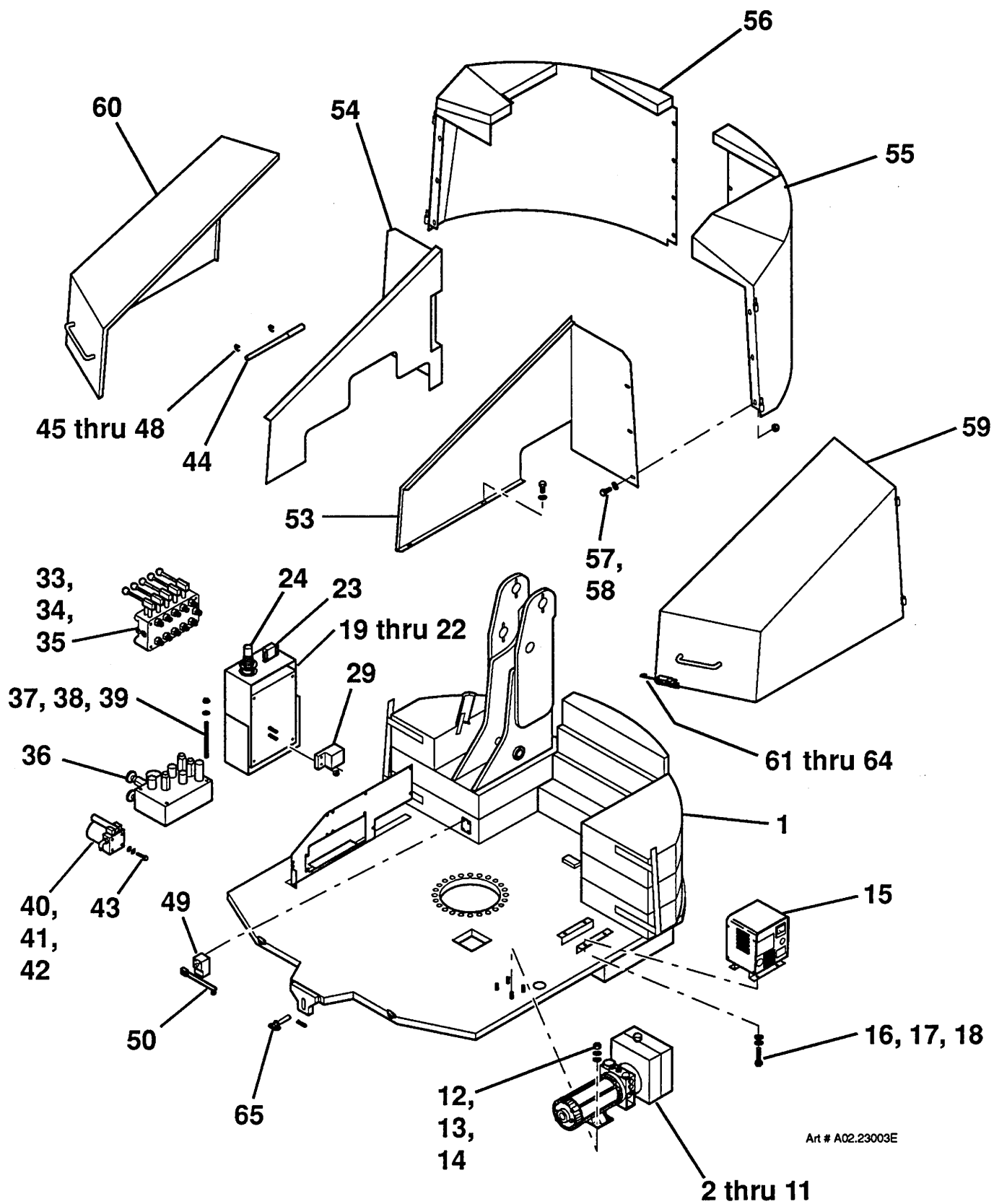
02.23

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	3529160	23.09	MANIFOLD ASSEMBLY, HYDRAULIC	1
37	2141160		ROD, THREADED (5/16"-18 x 5-1/2")	2
38	07-062015		WASHER, FLAT (5/16")	4
39	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
40	2190730	12.10	PUMP, EMERGENCY (Hand operated)	1
41	06-000700		CONNECTOR, MALE (6 FTX-S)	1
42	06-003800		ELBOW (6 CTX-S)	1
43	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
44	2196360		HANDLE, PUMP	1
45	10-060600		CLAMP, LOOP (3/8")	2
46	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
47	07-062014		WASHER, FLAT (1/4")	2
48	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
49	03-489000		SWITCH, LIMIT	1
50	03-489001		ROD, LIMIT SWITCH (includes mounting block)	1
51	07-008355		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/2", Grade 8)	2
52	2188930		HARNESS, LIMIT SWITCH WIRE	1
53	2193660		PANEL, ENCLOSURE (Right)	1
54	2193670		PANEL, ENCLOSURE (Left)	1
55	2193710		COVER, FRONT (Right)	1
56	2193720		COVER, FRONT (Left)	1
57	07-044014		NUT, ACORN (1/4"-20, Stainless steel)	14
58	07-062014		WASHER, FLAT (1/4")	14
59	2193680		DOOR ASSEMBLY (Right)	1
60	2193690		DOOR ASSEMBLY (Left)	1
61	10-099400		LATCH, DRAW (with latching rod)	2
62	07-017003		SCREW, BUTTON HEAD (1/4"-20 x 3/4", Grade 5)	4
63	07-062014		WASHER, FLAT (1/4")	4
64	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
65	07-080008		PIN, HITCH (3/4" x 4", includes cotter pin)	1
66	10-128200		TRIM, EDGE (3/16" x 7/16") (Bulk item, order as needed) [7 Ft (2.13 M) required this application]	A.R.
67	2188600		BRACKET, HOSE AND CABLE	1
68	2190660		HARNESS, WIRE (Control valves)	1
69	2188940		HARNESS, WIRE (Limit switch)	1
70	03-038800		LAMP, CONTROL PANEL (hooded) (option)	2
71	2175310		BRACKET, PANEL LAMP (mounts to inside of sheet metal, above electrical controls and valve bank)	2
72	03-411300		BULB, PANEL LAMP (24 Volt, #304)	2
73	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", stainless)	4
74	07-050014		NUT, HEX LOCK (1/4"-20)	4

TITLE SUPERSTRUCTURE ASSEMBLY, 41/24 ELECTRIC EAGLE (PLATE 2 OF 2)

PLATE NO.	02.23	SIMON AERIALS INC.	NEW 21 OCT., 1992	PART NO.	A-B 3527610
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TITLE SUPERSTRUCTURE ASSEMBLY, 41/24 ELECTRIC EAGLE (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 21 OCT., 1992

PART
NO.

A-B 3527610

PLATE
NO.

02.23

PARTS LIST

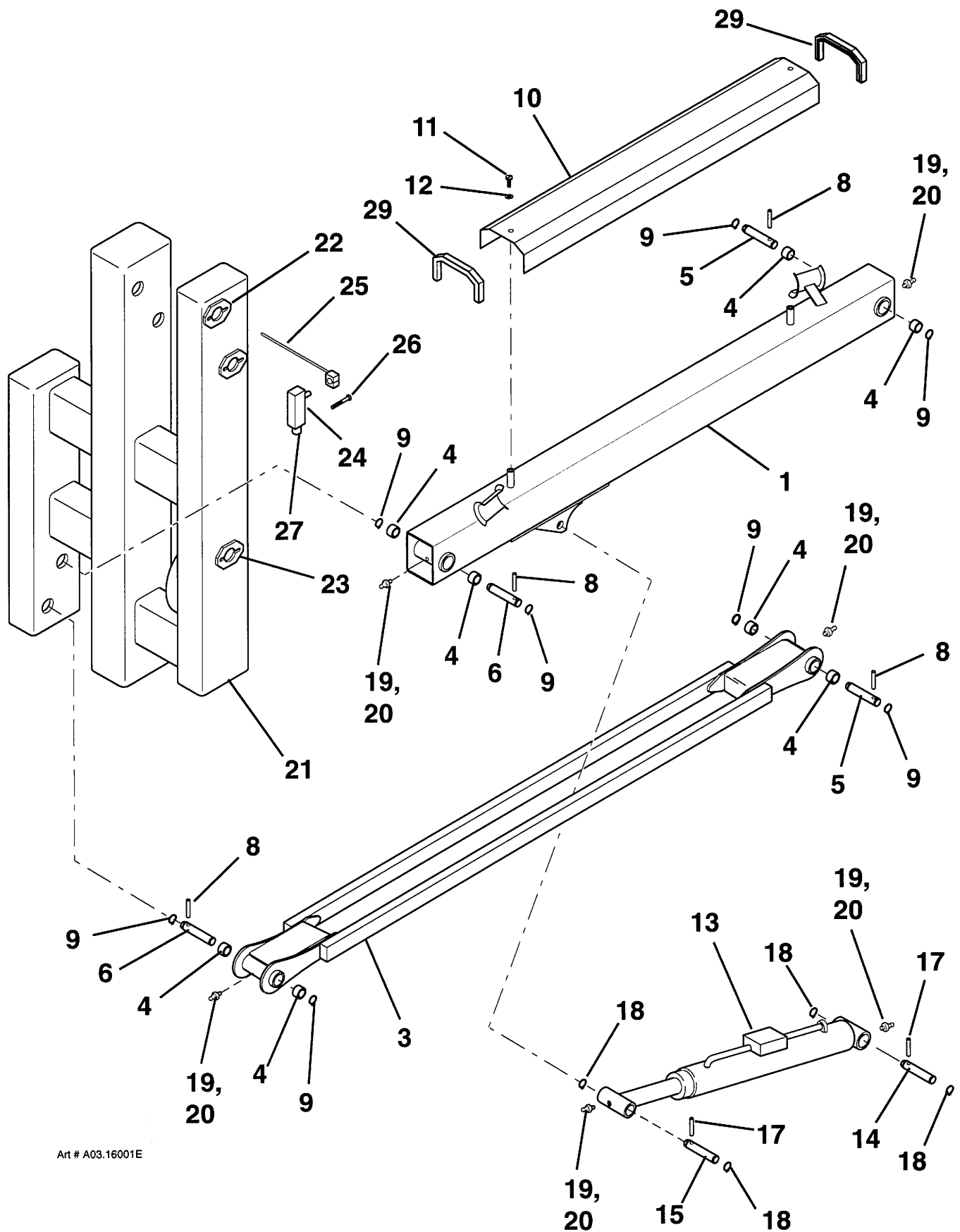
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2185760		BOOM WELDMENT, LOWER (includes bushings and pin lock collar)	1
2	2183980		COLLAR, PIN LOCK (1-1/4")	1
3	2185780		ARM ASS'Y., PARALLEL (incl. bushings and grease fittings)	1
4	08-064000		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8
5			PIN, LOWER BOOM PIVOT (2" x 10") (Lower end)	
	2187200		except Canada	2
	• 2323590		CSA standards	2
6			PIN, LOWER BOOM PIVOT (2" x 18-1/4") (Upper end)	
	2187180		except Canada	2
	• 2323570		CSA standards	2
7	2170310		COLLAR, PIN LOCK (2") (Not shown. On base post.)	2
8	2170300		PIN, KEEPER (3/8" Dia. x 3-5/8" long)	4
9	08-041100		RING, RETAINING (2")	8
10	2164450		HOSE COVER, LOWER BOOM	1
11	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	2
12	07-060016		WASHER, FLAT (3/8" SAE)	2
13	See plate . .	11.19	CYLINDER, LOWER BOOM LIFT	1
14			PIN, LIFT CYLINDER (1-1/4" x 8-7/8") (base end)	
	2138970		except Canada	1
	• 2323510		CSA standards	1
15			PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)	
	2183990		except Canada	1
	• 2323560		CSA standards	1
16	2138750		COLLAR, PIN LOCK (1-1/4") (Not shown. On base post.)	1
17	2169850		PIN, KEEPER (3/8" Dia. x 3" long)	2
18	08-040700		RING, RETAINING (1-1/4")	4
19	08-050000		FITTING, GREASE (1/8", Straight)	12
19	08-051300		FITTING, GREASE (1/8", 90°)	8
20	08-066300		CAP, GREASE FITTING	10
21	2186030		MID POST WELDMENT (includes pin lock collars)	1
22	2170310		COLLAR, PIN LOCK (2")	4
23	2183980		COLLAR, PIN LOCK (1-1/4")	1
24	03-489000		SWITCH, LIMIT (2 pole, rod operated)	1
25	03-489001		ROD, LIMIT SWITCH (includes mounting block)	1
26	07-008353		CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)	2
27	03-045500		GRIP, CORD (1/2")	1
28	2188940		HARNESS, WIRE (Limit switch)	1
29	10-096800		TRIM, DOOR EDGE (Bulk item, order as needed)	
			1/2" x 5/8", metal backed	A.R.
30	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	16

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 1 OF 5 . . . LOWER BOOM)

PLATE NO. 03.16 **SIMON AERIALS INC.**

REV. 17 FEB., 1994

PART NO. A-C3527630



TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 1 OF 5 . . . LOWER BOOM)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART
NO.

A-C3527630

PLATE
NO.

03.16

PARTS LIST

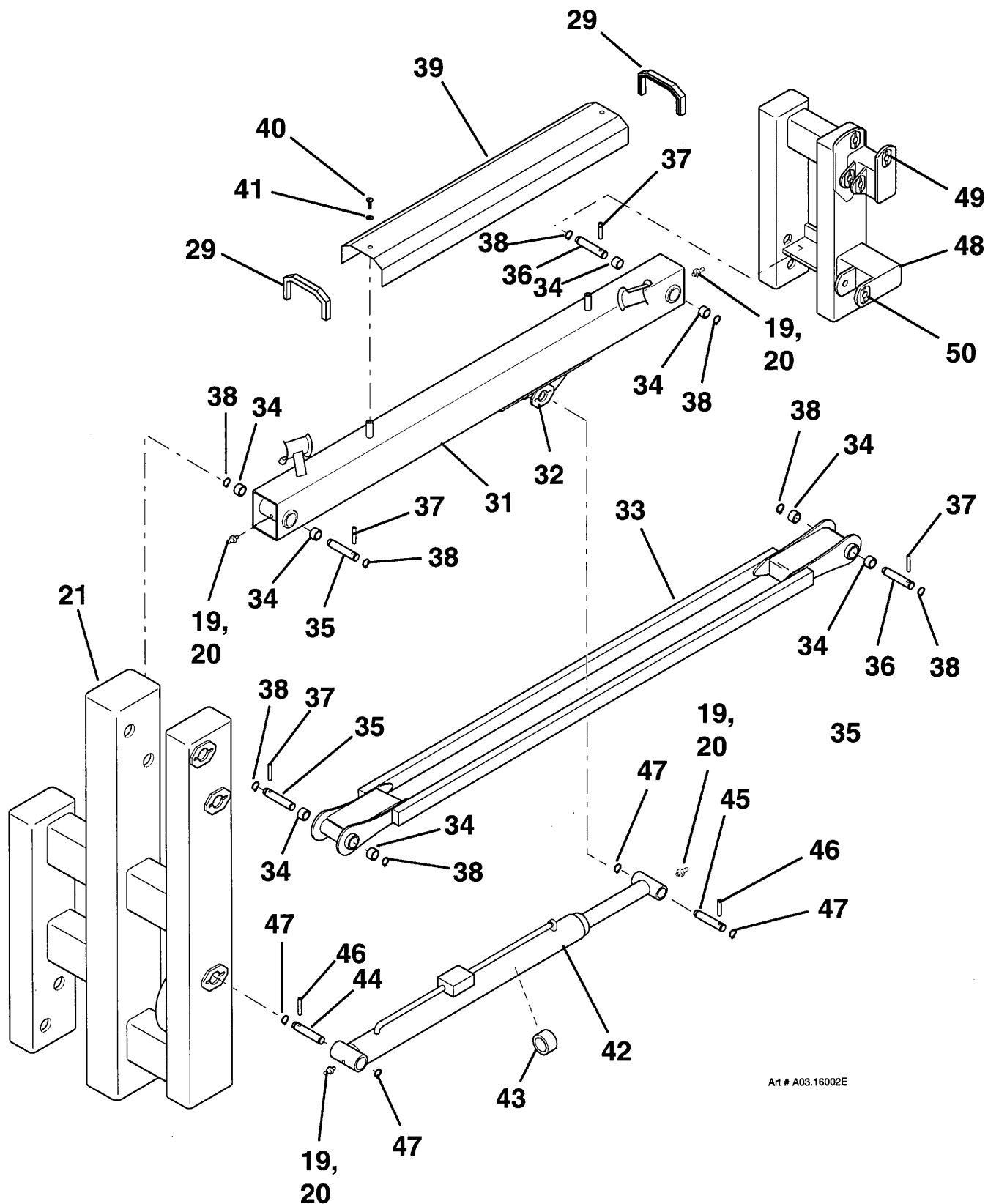
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	2183700		BOOM WELDMENT, MIDDLE (includes bushings, grease fittings and pin lock collar)	1
32	2138900		COLLAR, LOCK (1-1/4")	1
33	3528270		ARM ASS'Y., PARALLEL (incl. bushings and grease fittings)	1
34	08-064000		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8
35			PIN, MIDDLE BOOM PIVOT (2" x 18-1/4") (Lower end)	
	2187180		except Canada	2
	• 2323570		CSA standards	2
36			PIN, MIDDLE BOOM PIVOT (2" x 15-1/4") (Upper end)	
	2187210		except Canada	2
	• 2323600		CSA standards	2
37	2170300		PIN, KEEPER (3/8" Dia. x 3-5/8" long)	4
38	08-041100		RING, RETAINING (2")	8
39	2188860		HOSE COVER, MIDDLE BOOM	1
40	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	2
41	07-060016		WASHER, FLAT (3/8" SAE)	2
42	04-032400	11.19	CYLINDER, MIDDLE BOOM LIFT	1
43	2192960		SPACER, LIFT CYLINDER (2-3/8" O.D., 1-5/8" long)	
			(mounts inside cylinder)	1
44			PIN, LIFT CYLINDER (1-1/4" x 10-11/16") (base end)	
	2187230		except Canada	1
	• 2323610		CSA standards	1
45			PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)	
	2183990		except Canada	1
	• 2323560		CSA standards	1
46	2169850		PIN, KEEPER (3/8" Dia. x 3" long)	2
47	08-040700		RING, RETAINING (1-1/4")	4
48	2186940		UPPER POST WELDMENT (includes pin lock collars)	1
49	2170310		COLLAR, PIN LOCK (2")	3
50	2183980		COLLAR, PIN LOCK (1-1/4")	2

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 2 OF 5 . . . MID BOOM)

PLATE NO. 03.16 **SIMON AERIALS INC.**

REV. 17 FEB., 1994

PART NO. A-C3527630



Art # A03.16002E

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 2 OF 5 . . . MID BOOM)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO. A-C3527630

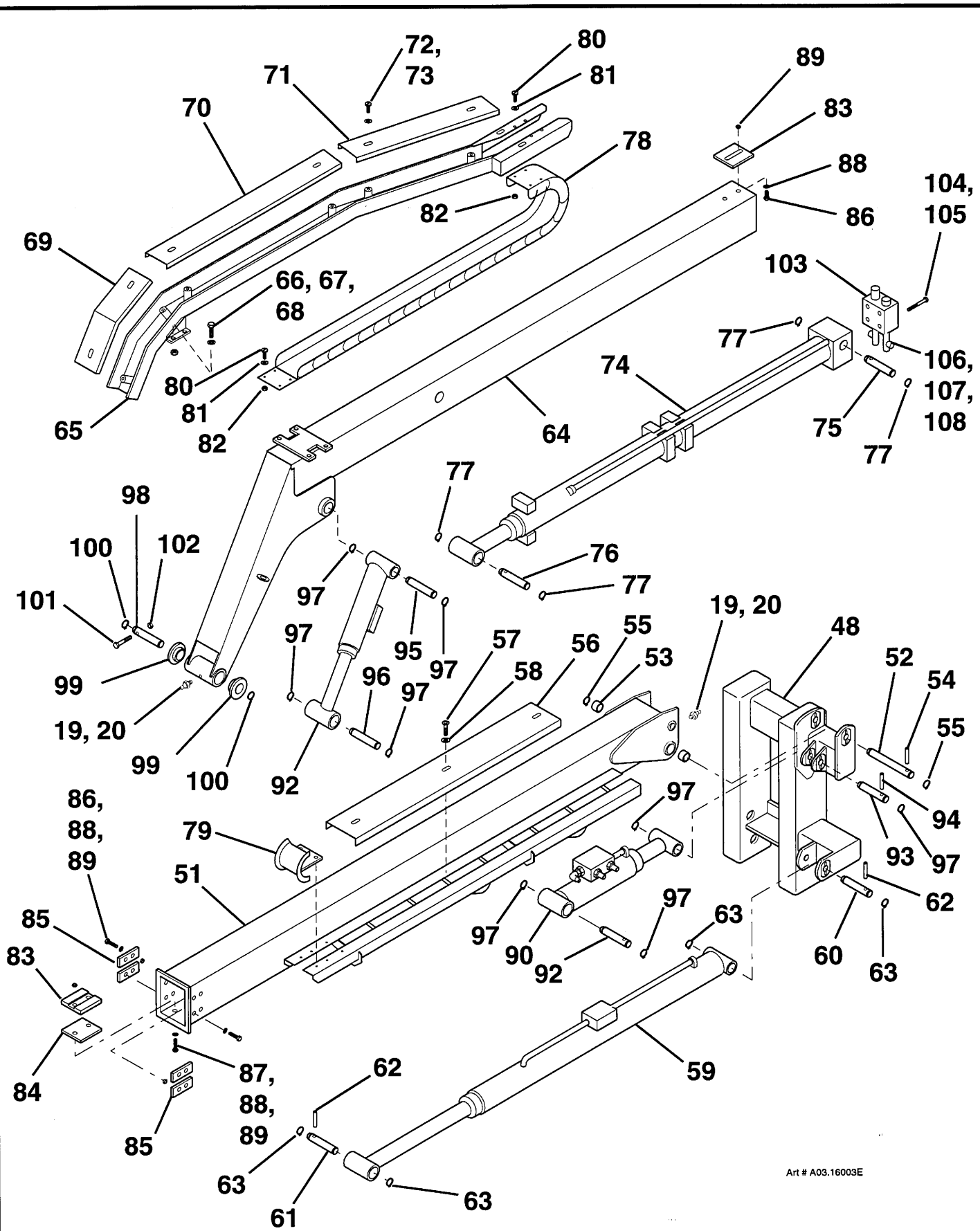
PLATE NO. 03.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
51	2188850		BOOM WELDMENT, UPPER BASE (with Catrac)	1
	2316620		Serial number up to and including DDA 00143	1
			Serial number DDA 00144 and up	1
52	• 2187190		PIN, UPPER BOOM PIVOT (2" x 11-1/4")	1
	2323580		except Canada	1
			CSA standards	1
53	08-064000		BUSHING, BRONZE (2" I.D., 2-3/8" O.D., 2" long)	2
54	2170300		PIN, KEEPER (3/8" Dia. x 3-5/8" long)	1
55	08-041100		RING, RETAINING (2")	2
56	2164200		HOSE COVER, UPPER BOOM	1
57	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	3
58	07-060016		WASHER, FLAT (3/8" SAE)	3
59	04-032400	11.19	CYLINDER, UPPER BOOM LIFT	1
60			PIN, LIFT CYLINDER (1-1/4" x 6-5/16") (base end)	1
	2187240		except Canada	1
	• 2323620		CSA standards	1
61			PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)	1
	2183990		except Canada	1
	• 2323560		CSA standards	1
62	2169850		PIN, KEEPER (3/8" Dia. x 3" long)	2
63	08-040700		RING, RETAINING (1-1/4")	4
64	2138630		BOOM WELDMENT, TIP	1
65			ANCHOR WELDMENT, MOVING	1
	2164170		Serial number up to and including DDA 00143	1
	2152060		Serial number DDA 00144 and up	1
66	07-003087		SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
67	07-060018		WASHER, FLAT (1/2" SAE)	8
68	07-050018		NUT, STOP (1/2"-13)	4
69	2185070		COVER, MOVING ANCHOR [19-1/2" (49.5 cm) long]	1
70	2185080		COVER, MOVING ANCHOR [44-1/2" (112.8 cm) long]	1
71	2185090		COVER, MOVING ANCHOR [29-1/4" (74.3 cm) long]	1
72	07-017003		CAP SCREW, BUTTON HEAD (1/4"-20 x 3/4", Grade 5)	6
73	07-060014		WASHER, FLAT (1/4" SAE)	6

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 3 OF 5 . . . UPPER BOOM)

PLATE NO.	03.16	SIMON AERIALS INC.	REV. 17 FEB., 1994	PART NO. A-C3527630
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Art # A03.16003E

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 3 OF 5 . . . UPPER BOOM)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO. A-C3527630

PLATE NO. 03.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
74	04-034700	11.18	CYLINDER, TELESCOPE (2.50" bore)	1
75	2138960		PIN, TELESCOPE CYLINDER (1-1/4" x 9-3/8") (base end) except Canada	1
	• 2323500		CSA standards	1
76	2139020		PIN, TELESCOPE CYLINDER (1-1/4" x 4-7/8") (rod end) except Canada	1
	• 2323540		CSA standards	1
77	08-040700		RING, RETAINING (1-1/4")	4
78			CARRIER, HOSE (metal track, 19 link)	
	08-068800		Serial number up to and including DDA 00143	1
	08-063500		Serial number DDA 00144 and up	1
79	2164210		GUIDE, HOSE	1
80	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	8
81	07-060016		WASHER, FLAT (3/8" SAE)	8
82	07-050016		NUT, STOP (3/8"-16)	8
83	2068677		PAD, UPPER AND LOWER WEAR (6" x 6-5/8")	2
84	2138250		SPACER, LOWER WEAR PAD	1
85	2070357		PAD, SIDE WEAR (2-1/2" x 4-1/2")	4
86	07-003084		SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10
87	07-003086		SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
88	07-065018		WASHER, LOCK (1/2")	12
89	07-047018		NUT, JAM (1/2"-13)	12
90	04-032600	11.06	CYLINDER, MASTER LEVELING (2.50" bore)	1
91	04-032700	11.07	CYLINDER, SLAVE LEVELING (2.50" bore)	1
92			PIN, MASTER LEVEL CYLINDER (1-1/4" x 4-15/16") (base end) except Canada	1
	2183990		(base end) CSA standards	1
	• 2323560			
93			PIN, MASTER LEVEL CYLINDER (1-1/4" x 6-5/16") (rod end) except Canada	1
	2187240		CSA standards	1
	• 2323670			
94	2169850		PIN, KEEPER (3/8" Dia. x 3" long)	1
95			PIN, SLAVE LEVEL CYLINDER (1-1/4" x 7-3/16") (base end) except Canada	1
	2138990		CSA standards	1
	• 2323530			
96			PIN, SLAVE LEVEL CYLINDER (1-1/4" x 8") (rod end) except Canada	1
	2138980		CSA standards	1
	• 2323520			
97	08-040700		RING, RETAINING (1-1/4")	8

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 4 OF 5 . . . UPPER BOOM)

PLATE NO.

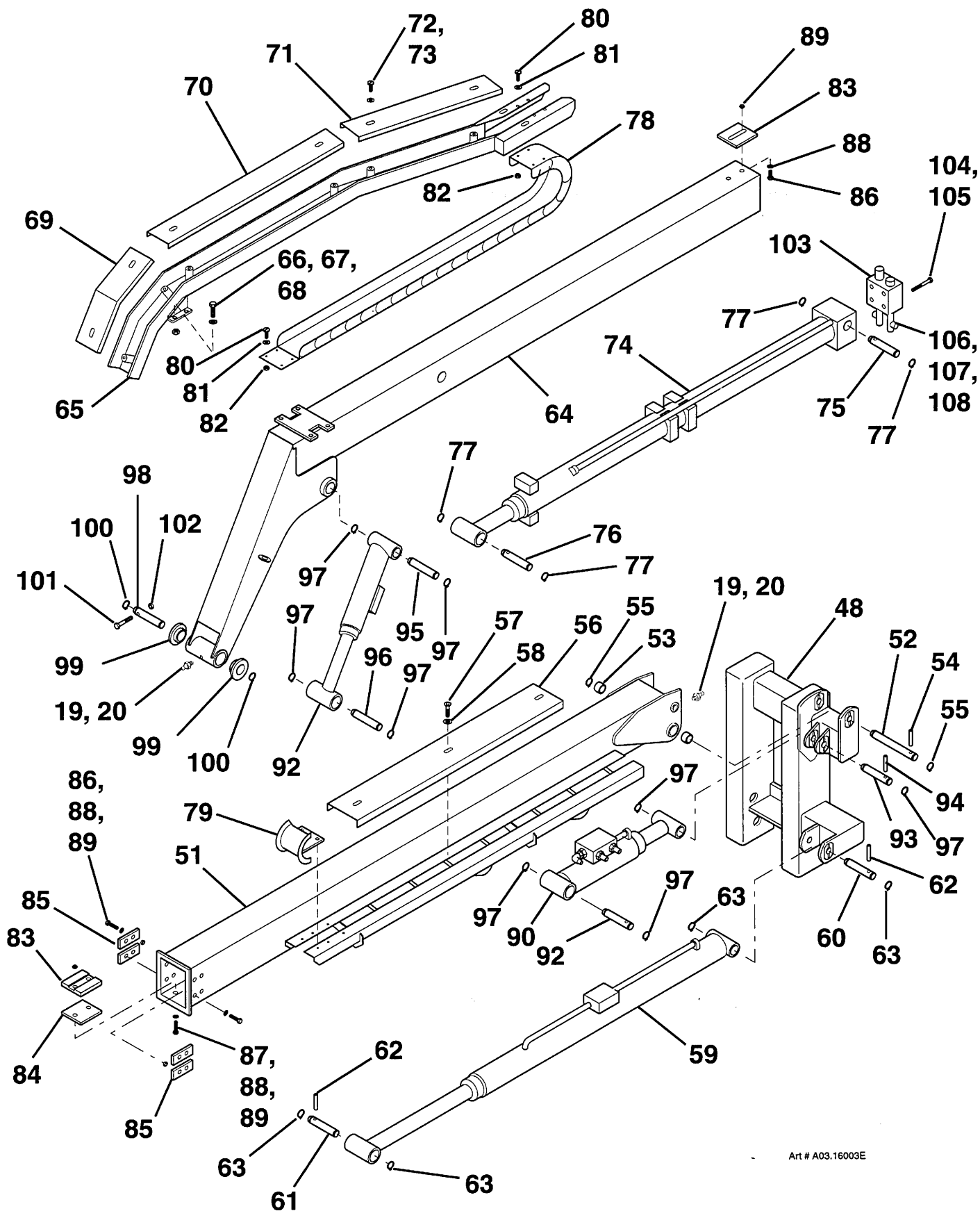
03.16

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO.

A-C3527630



Art # A03.16003E

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 4 OF 5 . . . UPPER BOOM)

SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO. A-C3527630

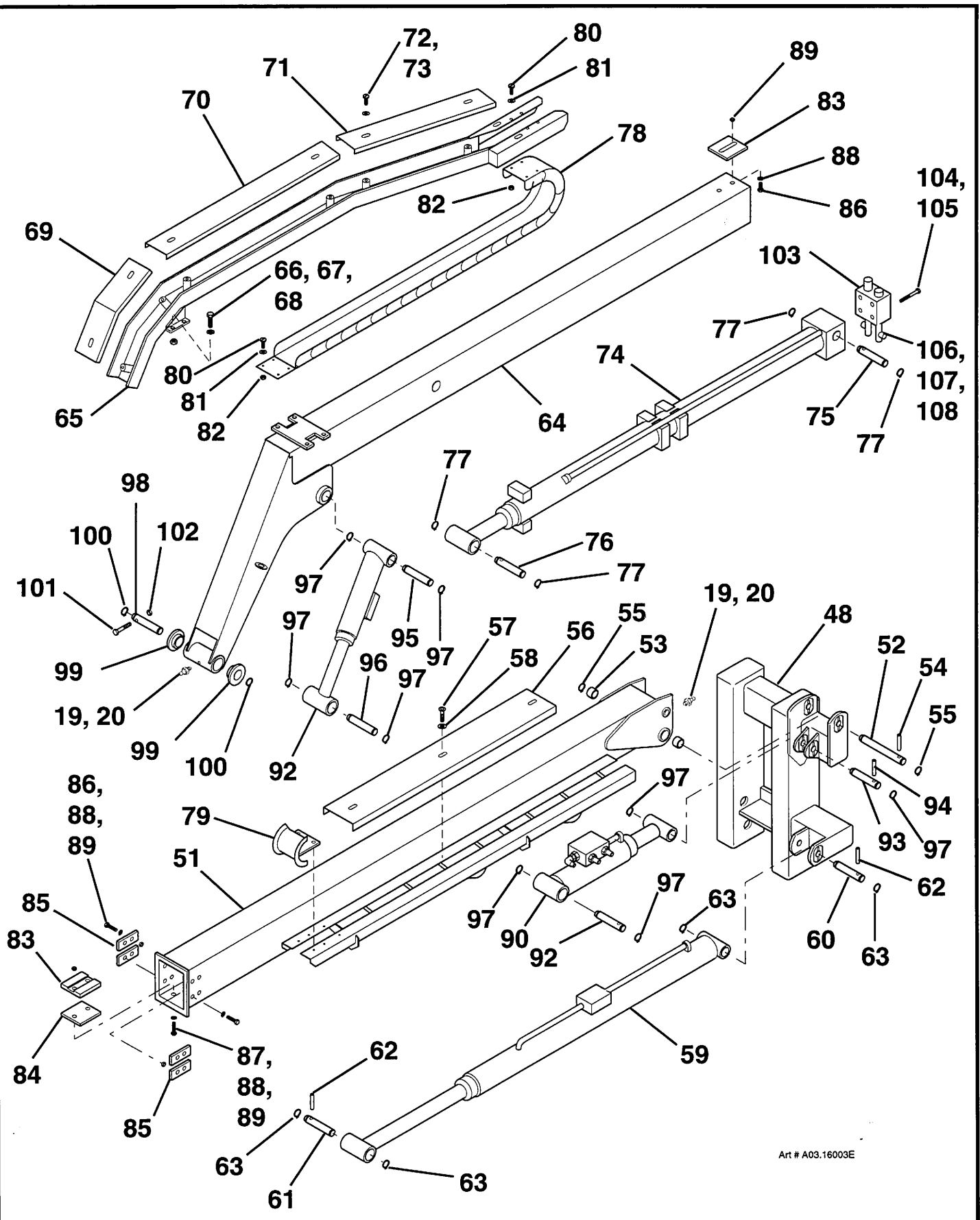
PLATE NO. 03.16

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PLATE NO.	03.16	SIMON AERIALS INC.	REV. 17 FEB., 1994	PART NO.	A-C3527630
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REV 17 FEB 1994

PART NO. A-C3527630



Art # A03.16003E

TITLE BOOM ASSEMBLY, 40 FOOT (12.2 M) (PLATE 5 OF 5 . . . UPPER BOOM)

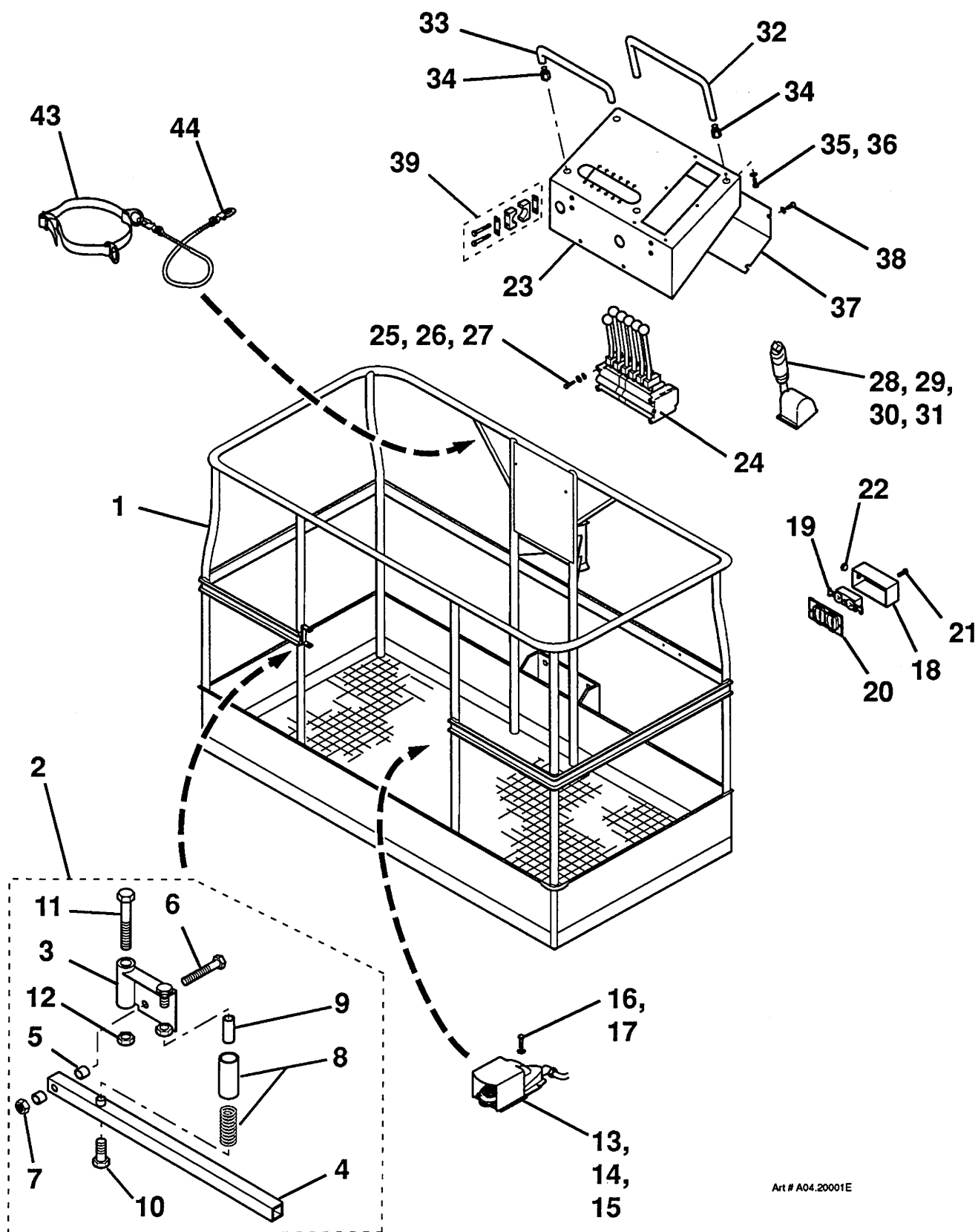
SIMON AERIALS INC.

REV. 17 FEB., 1994

PART NO. **A-C3527630**

PLATE NO. **03.16**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	A-D 3527670 A-D 3529320		PLATFORM ASSEMBLY, FIXED (Electric Eagle 41/24) [30" x 48" (.76 M x 1.22 M)] [30" x 60" (.76 M x 1.52 M)]	
1	2184110 No part #		PLATFORM WELDMENT [30" x 48" (.76 M x 1.22 M)] PLATFORM WELDMENT [30" x 60" (.76 M x 1.52 M)]	1 1
2	3514160		BAR ASSEMBLY, LATCH	1
3	2041724		PIVOT, DOOR	1
4	2076577		BAR, LATCH	1
5	2041649		SPACER, LATCH BAR PIVOT	1
6	07-003047		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	2108380		SPACER	1
10	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-050018		NUT, LOCK (1/2"-13)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Double pole)	1
14	03-021301		SWITCH (Double pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
17	07-065014		WASHER, HELICAL LOCK (1/4")	2
18	03-062100		BOX, DUPLEX OUTLET	1
19	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
20	03-062200		COVER, DUPLEX OUTLET	1
21	07-003002		SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
22	03-063300		GRIP, CORD (1/2", Sealing)	1
23	2185580		CONSOLE WELDMENT, CONTROL	1
24	01-212800	06.21	VALVE BANK ASSEMBLY, PLATFORM	
25	07-003025		SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
26	07-062015		WASHER, FLAT (5/16")	4
27	07-065015		WASHER, HELICAL LOCK (5/16")	4
28	03-453800	29.06	DRIVE CONTROLLER ASSEMBLY	1
29	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
30	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
31	07-062014		WASHER, FLAT (1/4")	2
32	2185710		BAR, GRAB [18-3/4" (476 mm) wide x 8-3/4" (222 mm) high]	1
33	2185720		BAR, GRAB [12" (305 mm) wide x 3-7/8" (98 mm) high]	1
34	2114330		PLUG (Modified 12 PNTX)	4
35	07-003085		SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
36	07-065018		WASHER, HELICAL LOCK (1/2")	4
TITLE PLATFORM ASSEMBLY, NON ROTATING (PLATE 1 OF 2)				
PLATE NO.	04.20	SIMON AERIALS INC.		PART NO.
NEW 02 OCT., 1992				



Art # A04.20001E

TITLE PLATFORM ASSEMBLY, NON ROTATING (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 02 OCT., 1992

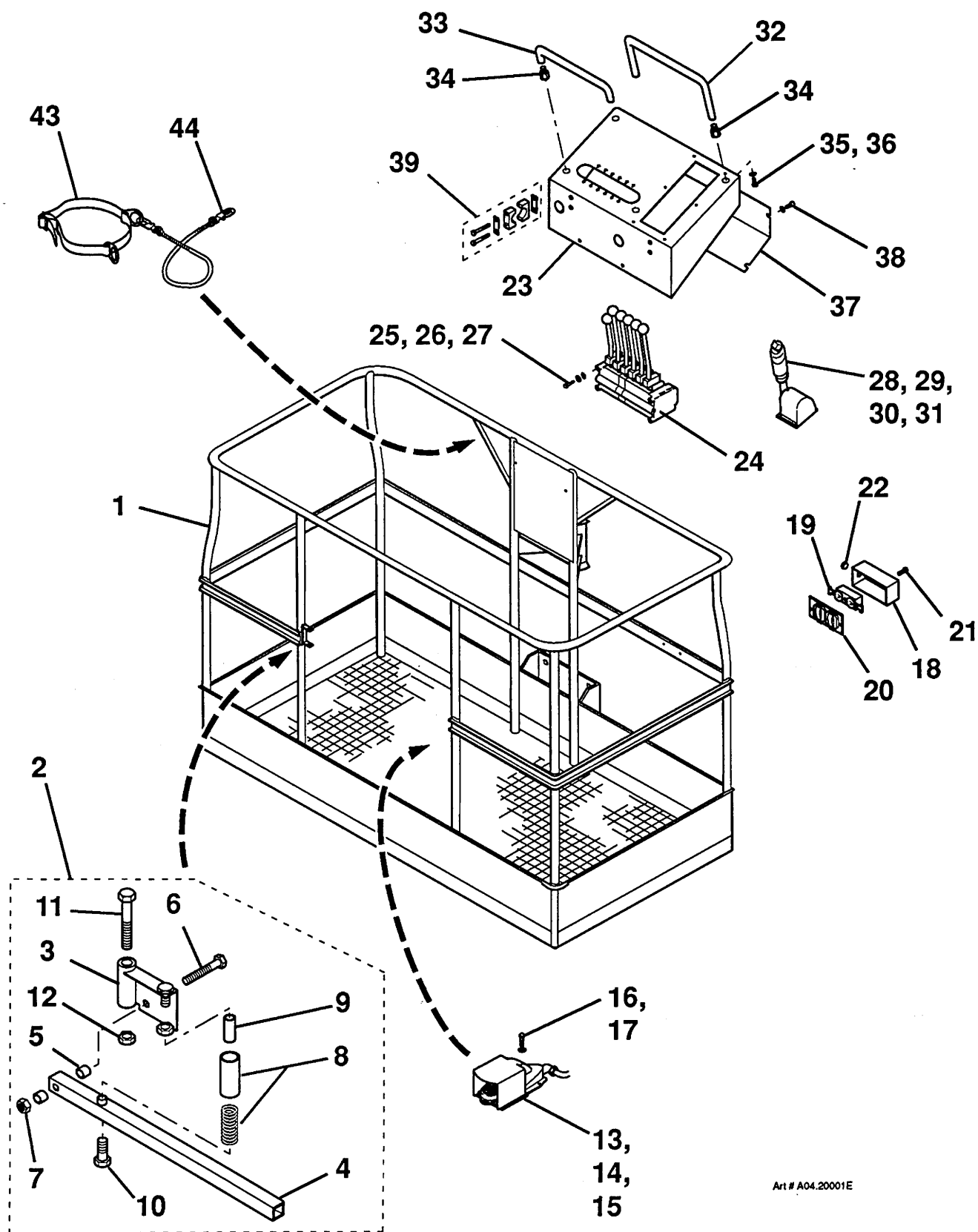
PART
NO.

PLATE
NO.

04.20

PARTS LIST

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Art # A04.20001E

TITLE PLATFORM ASSEMBLY, NON ROTATING (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 02 OCT., 1992

PART
NO.

PLATE
NO.

04.20

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	A-D 3527660 A-D 3529300		PLATFORM ASSEMBLY, ROTATING (Electric Eagle 41/24) [30" x 48" (.76 M x 1.22 M)] [30" x 60" (.76 M x 1.52 M)]	
1	2188880		PLATFORM WELDMENT [30" x 48" (.76 M x 1.22 M)]	1
	2195020		PLATFORM WELDMENT [30" x 60" (.76 M x 1.52 M)]	1
2	3514160		BAR ASSEMBLY, LATCH	1
3	2041724		PIVOT, DOOR	1
4	2076577		BAR, LATCH	1
5	2041649		SPACER, LATCH BAR PIVOT	1
6	07-003047		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	2108380		SPACER	1
10	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-050018		NUT, LOCK (1/2"-13)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Double pole)	1
14	03-021301		SWITCH (Double pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
17	07-065014		WASHER, HELICAL LOCK (1/4")	2
18	03-062100		BOX, DUPLEX OUTLET	1
19	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
20	03-062200		COVER, DUPLEX OUTLET	1
21	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
22	03-063300		GRIP, CORD (1/2", Sealing)	1
23	02-023700	21.02	ACTUATOR, ROTARY	1
24	07-004092		SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
25	07-058400		NUT, LUG (1/2"-13, Grade 8)	4
26	01-202000		VALVE, PRESSURE RELIEF	1
27	07-003053		SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
28	07-062016		WASHER, FLAT (3/8")	2
29	07-065016		WASHER, LOCK (3/8")	2
30	2177770		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2
31	06-039500		ADAPTER (4-6 F50X-S)	2
32	06-044300		ELBOW, STRAIGHT THREAD (4 C50X-S)	2
33	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2

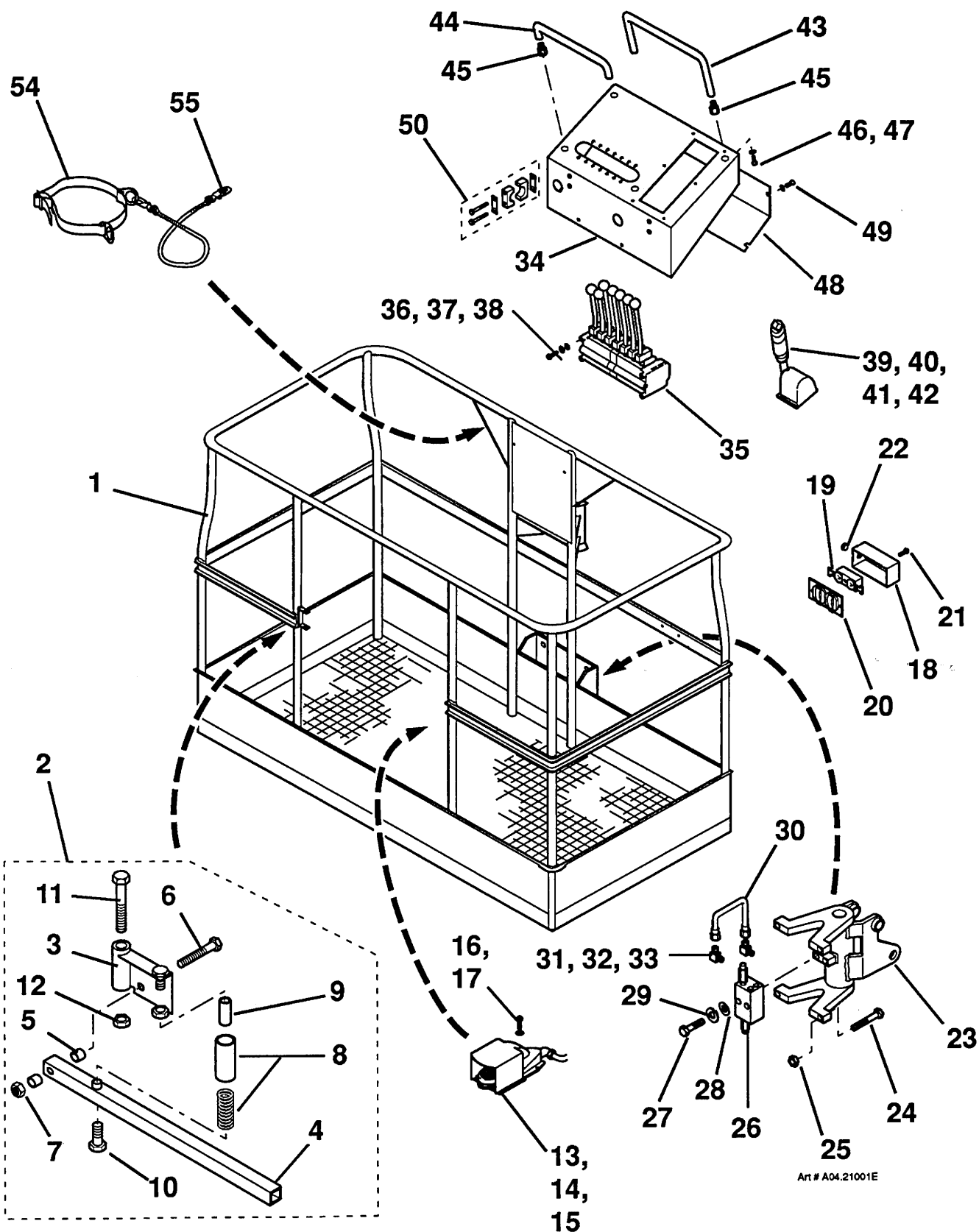
TITLE PLATFORM ASSEMBLY, ROTATING (PLATE 1 OF 2)

PLATE NO. 04.21

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART NO.



TITLE

PLATFORM ASSEMBLY, ROTATING (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART
NO.

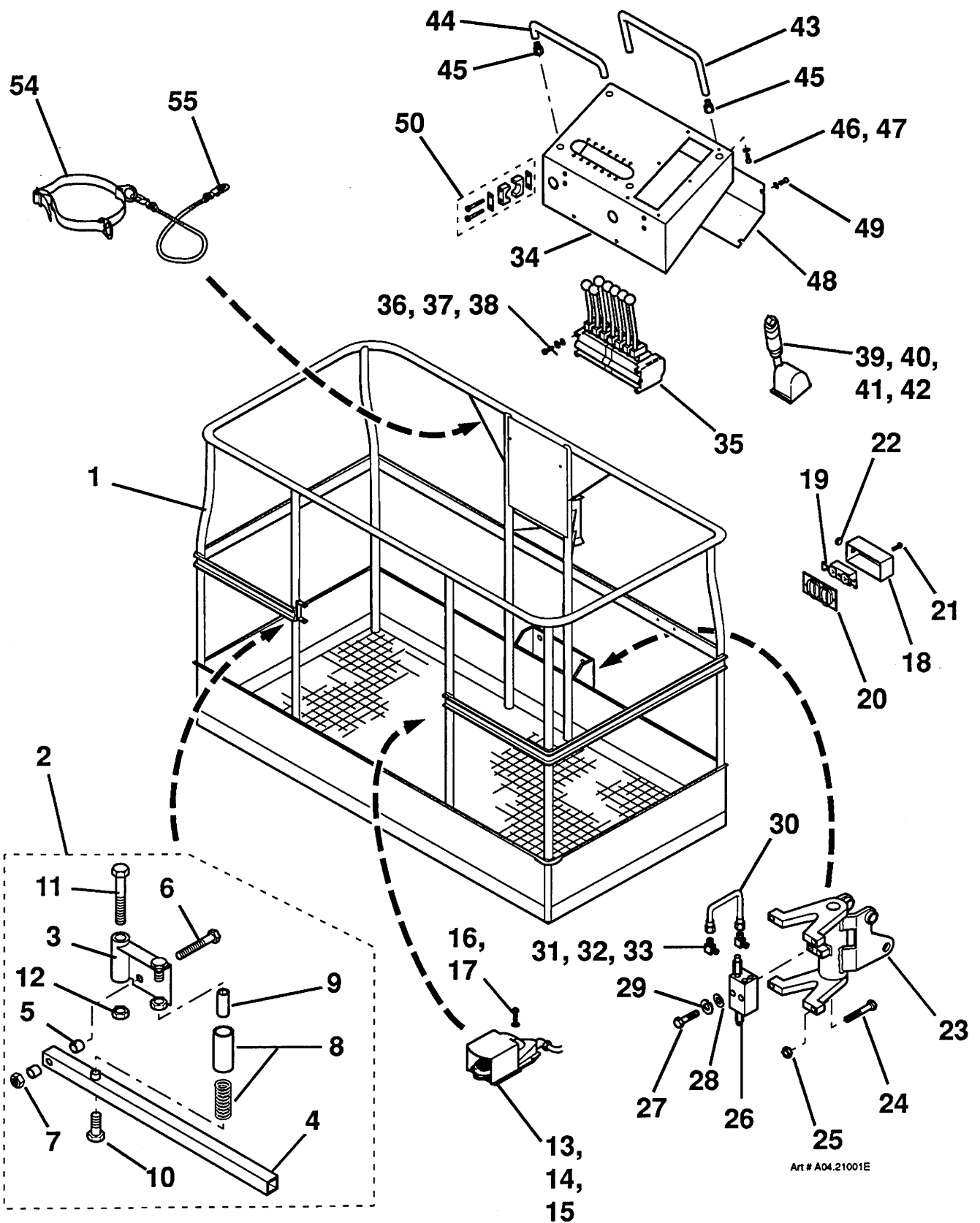
PLATE
NO.

04.21

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	2185580	06.22	CONSOLE WELDMENT, CONTROL	1
35	3529150		VALVE BANK ASSEMBLY, PLATFORM	1
36	07-003025		SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
37	07-062015	29.06	WASHER, FLAT (5/16")	4
38	07-065015		WASHER, HELICAL LOCK (5/16")	4
39	03-453800		DRIVE CONTROLLER ASSEMBLY	1
40	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
41	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
42	07-062014		WASHER, FLAT (1/4")	2
43	2185710		BAR, GRAB [18-3/4" (476 mm) wide x 8-3/4" (222 mm) high]	1
44	2185720		BAR, GRAB [12" (305 mm) wide x 3-7/8" (98 mm) high]	1
45	2114330		PLUG (Modified 12 PNTX)	4
46	07-003085		SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
47	07-065018		WASHER, HELICAL LOCK (1/2")	4
48	2188660		COVER, CONTROL CONSOLE	1
49	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	6
50	10-069600		CLAMP, TUBE (1-1/4" O.D.)	2
51	03-038800		LAMP, CONTROL PANEL (hooded) (option)	2
52	03-411300		BULB, PANEL LAMP (24 Volt, #304)	2
53	10-042500		COVER, CONTROL CONSOLE (Vinyl cloth. With "Hostile Environment" Package.)	
54	10-034000		BELT, SAFETY	1
55	10-033900		LANYARD, SAFETY BELT	1
56	03-439000		TIE, CABLE [3-5/8" (92 mm) long]	5
57	03-064700		TIE, CABLE [14-1/2" (368 mm) long]	10
58	03-066400		TIE, CABLE [20" (508 mm) long]	5
59	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	2
60	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
61	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	12
TITLE PLATFORM ASSEMBLY, ROTATING (PLATE 2 OF 2)				
PLATE NO.	04.21	SIMON AERIALS INC.		PART NO.
				NEW 29 SEP., 1992

PLATFORM ASSEMBLY, ROTATING (PLATE 2 OF 2)

PART
NO.



Art # A04.21001E

TITLE

PLATFORM ASSEMBLY, ROTATING (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART
NO.

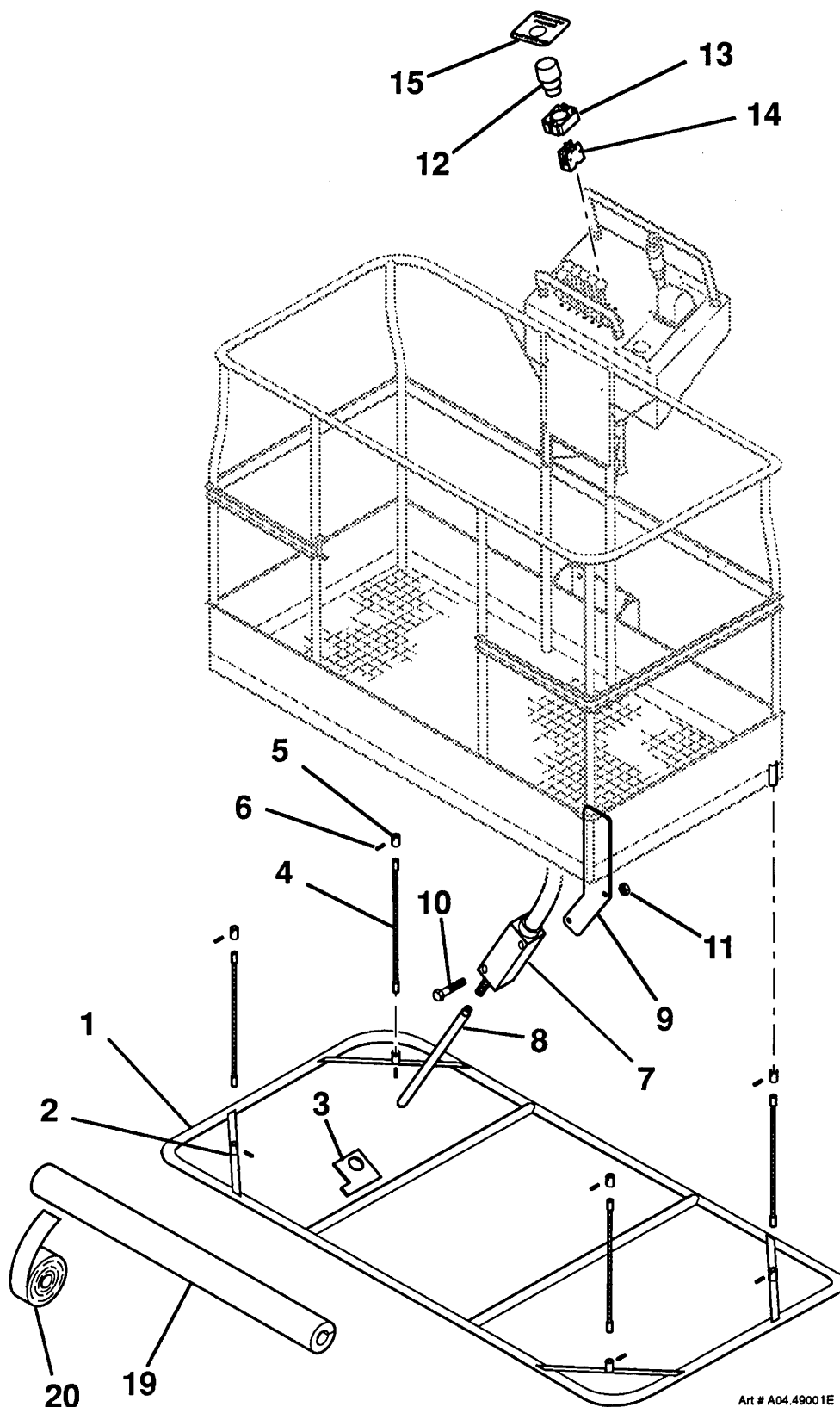
PLATE
NO.

04.21

PARTS LIST

[illegible]

TITLE		PLATFORM SENSOR RING ASSEMBLY	
PLATE NO.	04.48	SIMON AERIALS INC. NEW 13 OCT., 1992	PART NO. 3522230



Art # A04.49001E

TITLE

PLATFORM SENSOR RING ASSEMBLY

SIMON AERIALS INC.

NEW 13 OCT., 1992

PART
NO.

3522230

PLATE
NO.

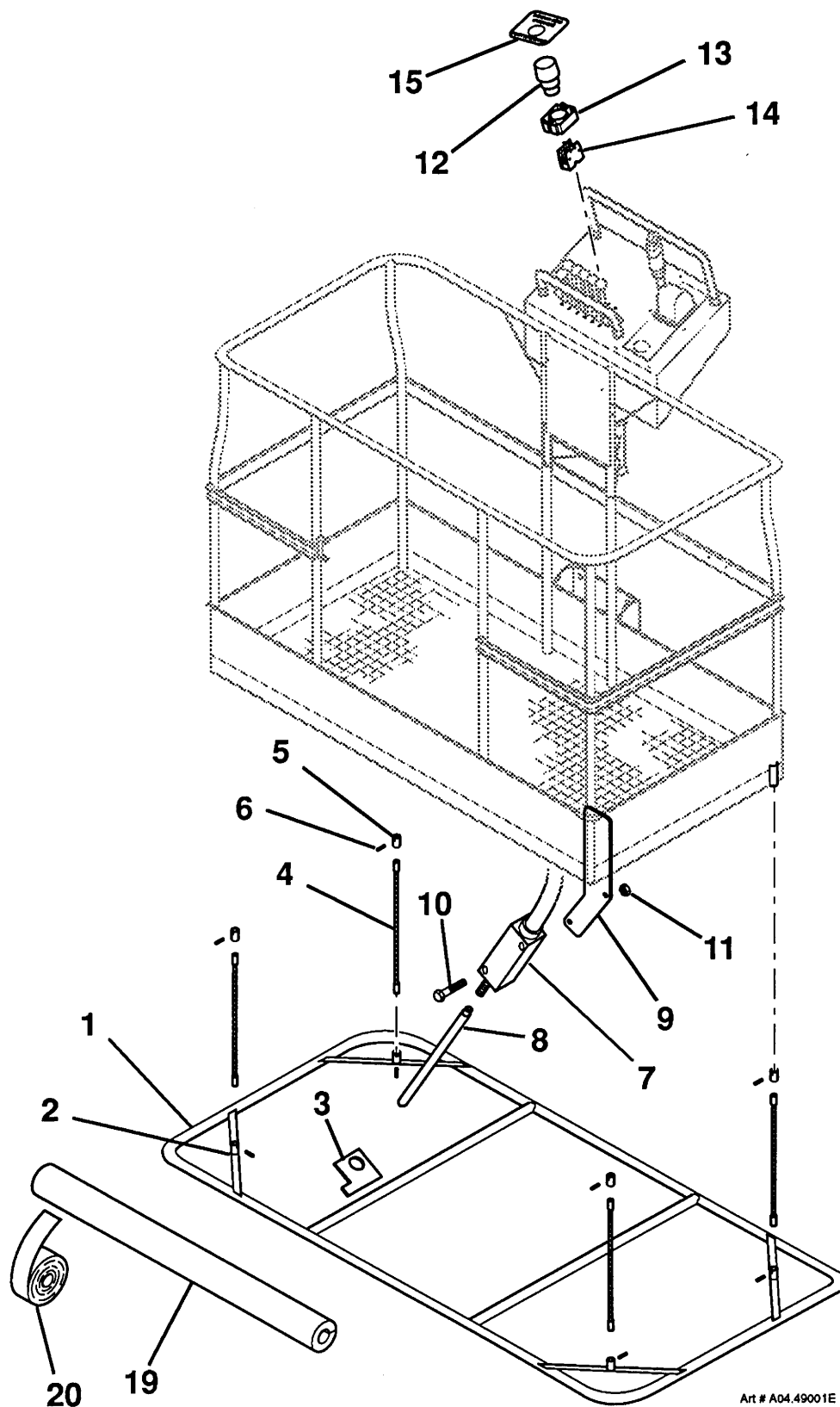
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PARTS LIST

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PLATFORM SENSOR RING ASSEMBLY

3528230



Art # A04.49001E

TITLE

PLATFORM SENSOR RING ASSEMBLY

SIMON AERIALS INC.

NEW 13 OCT., 1992

PART
NO.

3528230

PLATE
NO.

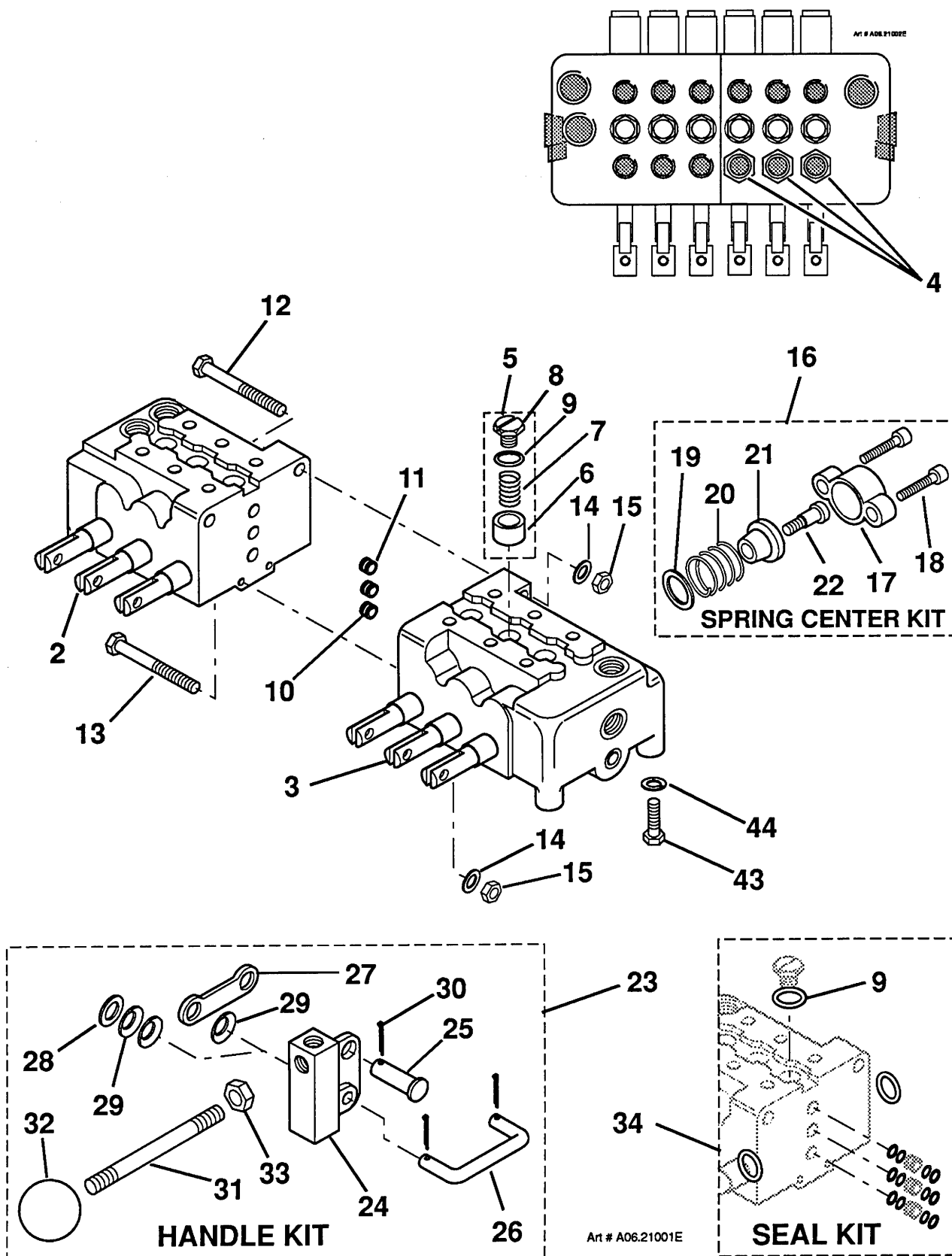
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-212800		VALVE BANK ASS'Y., PLATFORM CONTROL (6 Spool)	1
2	01-212201		INLET SECTION, 3 SPOOL	1
3	01-212802		OUTLET SECTION, 3 SPOOL	1
4	01-098410		VALVE ASSEMBLY, FLOW CONTROL (5 L per minute, pressure compensated)	3
5			VALVE KIT, LOAD CHECK	6
6			POPPET, LOAD CHECK	1
7			SPRING	1
8			PLUG, HEX HEAD	1
9			O-RING (also part of Seal Kit, item 34)	1
10	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
11	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
12			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
13			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
14			WASHER, SPLIT LOCK (1/4")	4
15			NUT, HEX (1/4"-20, Grade 5)	4
16			SPRING CENTER KIT	6
17			CAP, END	1
18			SCREW	2
19			WASHER	1
20			SPRING, RETURN	1
21			SPACER	1
22			BOLT, SHOULDER	1
23	01-098901		HANDLE KIT [for 5" (127 mm) long handle]	1
	01-098902		HANDLE KIT [for 5-3/4" (146 mm) long handle]	5
24	01-098402		BLOCK, PIVOT	1
25	01-098403		PIN, CLEVIS	1
26	01-098413		C-HOOK	1
27	01-098414		LINK (used on two spools at each end)	1
28	01-098411		WASHER, FLAT (for center spools not using link)	1
29	01-098409		WASHER, SPRING (1 for spools using link, 2 for rest)	2
30	01-098412		PIN, COTTER	3
31	01-098502		ROD, HANDLE [5" (127 mm) long]	1
	01-098503		ROD, HANDLE [5-3/4" (146 mm) long]	1
32	01-098407		KNOB, BALL (Plastic)	1
33	01-098408		NUT, JAM	1
34	01-212801		SEAL KIT (will service 6 Spools)	1

TITLE PLATFORM VALVE BANK ASSEMBLY, 6 SPOOL (PLATE 1 OF 2)

PLATE NO. 06.21 SIMON AERIALS INC. NEW 22 SEP., 1992 PART NO. 3529140



TITLE PLATFORM VALVE BANK ASSEMBLY, 6 SPOOL (PLATE 1 OF 2)

SIMON AERIALS INC.

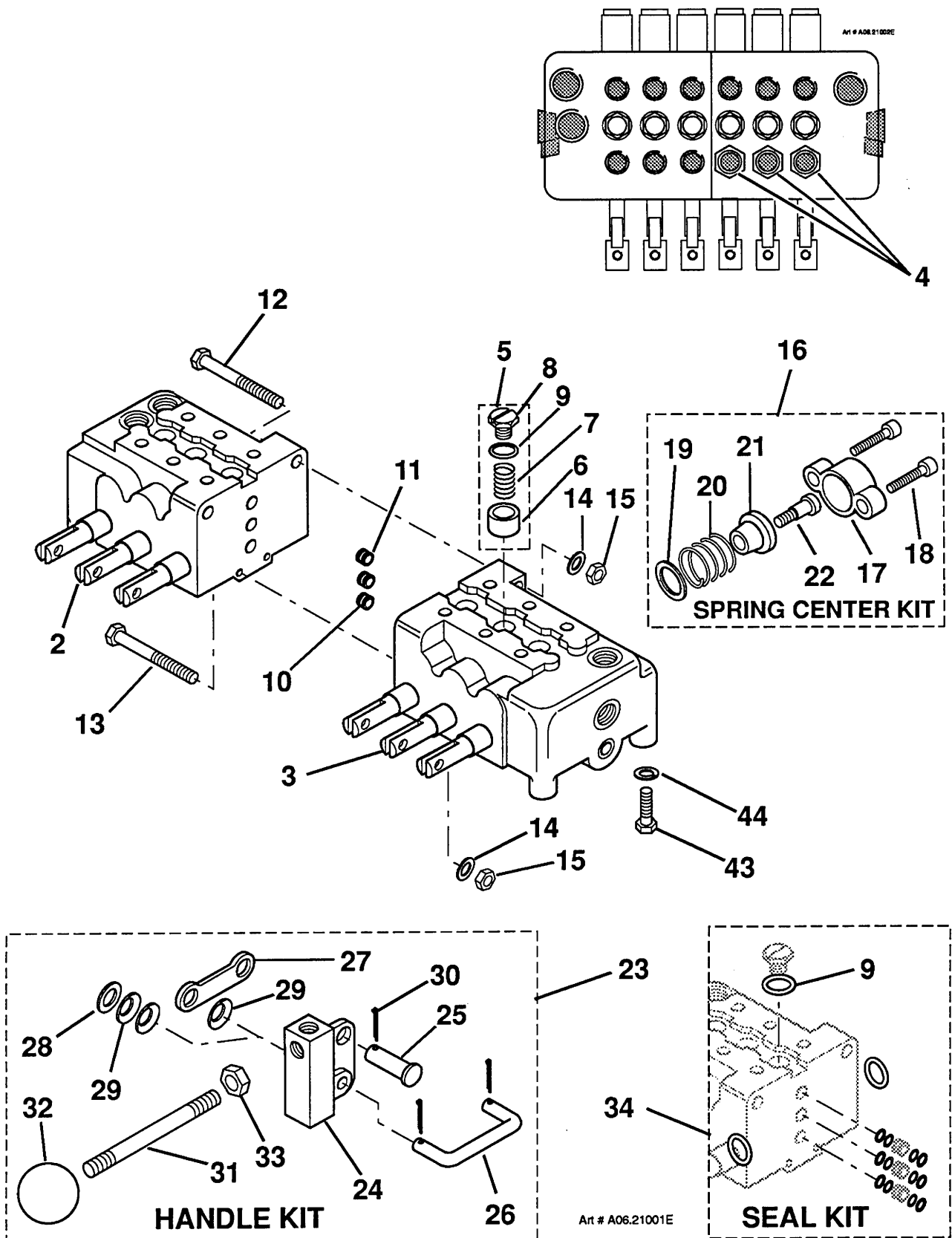
NEW 22 SEP., 1992

PART NO. 3529140

PLATE NO. 06.21

[illegible]

PLATE NO.	06.21	SIMON AERIALS INC.	NEW 22 SEP., 1992	PART NO.	3529140
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TITLE

PLATFORM VALVE BANK ASSEMBLY, 6 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 22 SEP., 1992

PART
NO.

3529140

PLATE
NO.

06.21

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-216300		VALVE BANK, PLATFORM CONTROL (7 Spool)	1
2	01-212201		INLET SECTION, 3 SPOOL	1
3	01-213400		CENTER SECTION, SINGLE SPOOL	1
4	01-212802		OUTLET SECTION, 3 SPOOL	1
5	01-098410		VALVE ASSEMBLY, FLOW CONTROL (5 L per minute, pressure compensated)	3
6			VALVE KIT, LOAD CHECK	7
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.)	4
12	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	2
13			BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)	2
14			BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)	2
15			WASHER, SPLIT LOCK (1/4")	4
16			NUT, HEX (1/4"-20, Grade 5)	4
17			SPRING CENTER KIT (also see item 41)	7
18			CAP, END	1
19			SCREW	2
20			WASHER	1
21			SPRING, RETURN	1
22			SPACER	1
23			BOLT, SHOULDER	1
24	01-098901		HANDLE KIT [for 5" (127 mm) long handle]	2
	01-098902		HANDLE KIT [for 5-3/4" (146 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 (used on two spools at each end)	1
29	01-098411		WASHER, FLAT (for center spools not using link)	1
30	01-098409		WASHER, SPRING (1 for spools using link, 2 for rest)	2
31	01-098412		PIN, COTTER	3
32	01-098502		ROD, HANDLE [5" (127 mm) long]	1
	01-098503		ROD, HANDLE [5-3/4" (146 mm) long]	1
33	01-098407		KNOB, BALL (Plastic)	1
34	01-098408		NUT, JAM	1
35	01-216301		SEAL KIT (will service 7 Spools)	1

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

**PLATE
NO.**

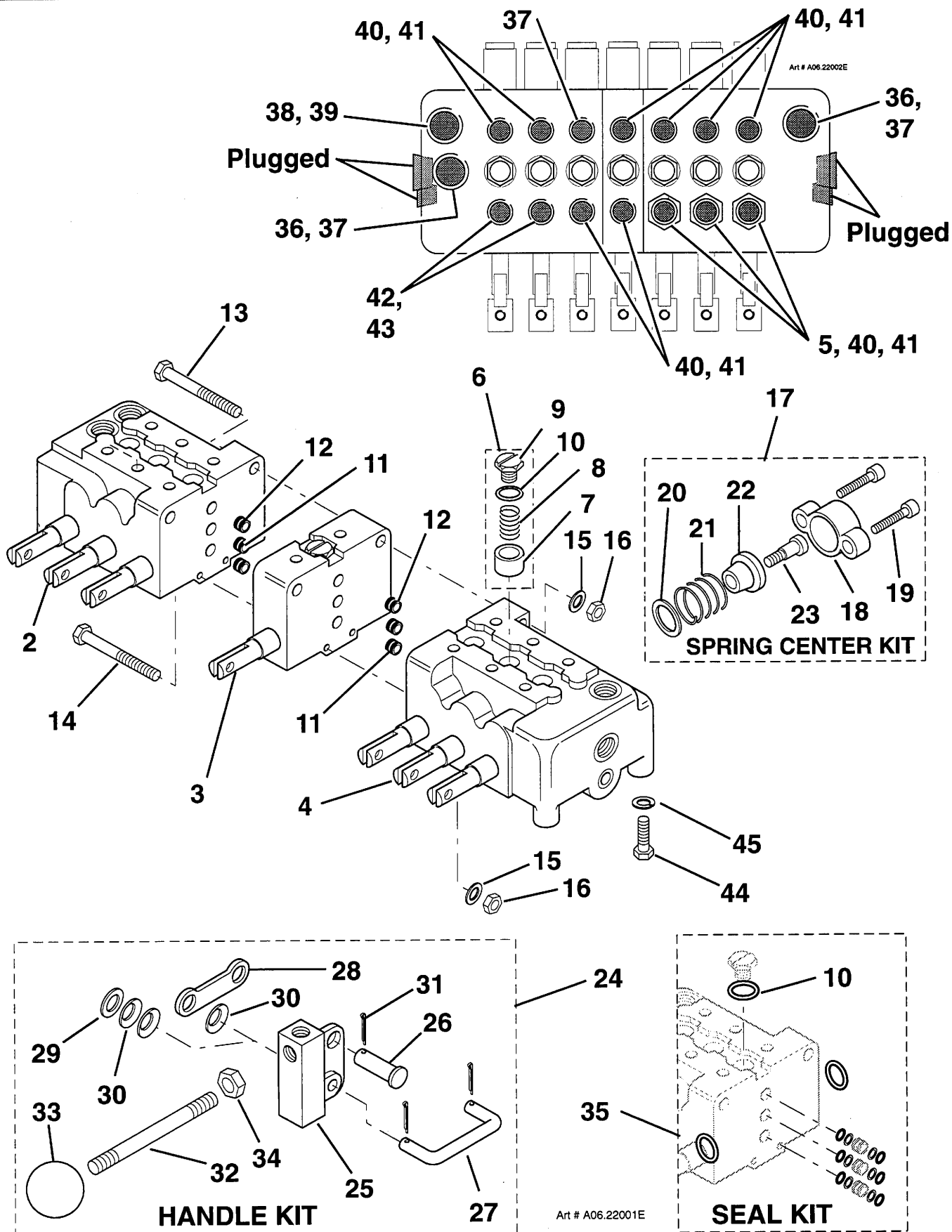
06.22

SIMON AERIALS INC.

REV. 2 MAR., 1994

**PART
NO.**

3529150



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

SIMON AERIALS INC.

REV. 2 MAR., 1994

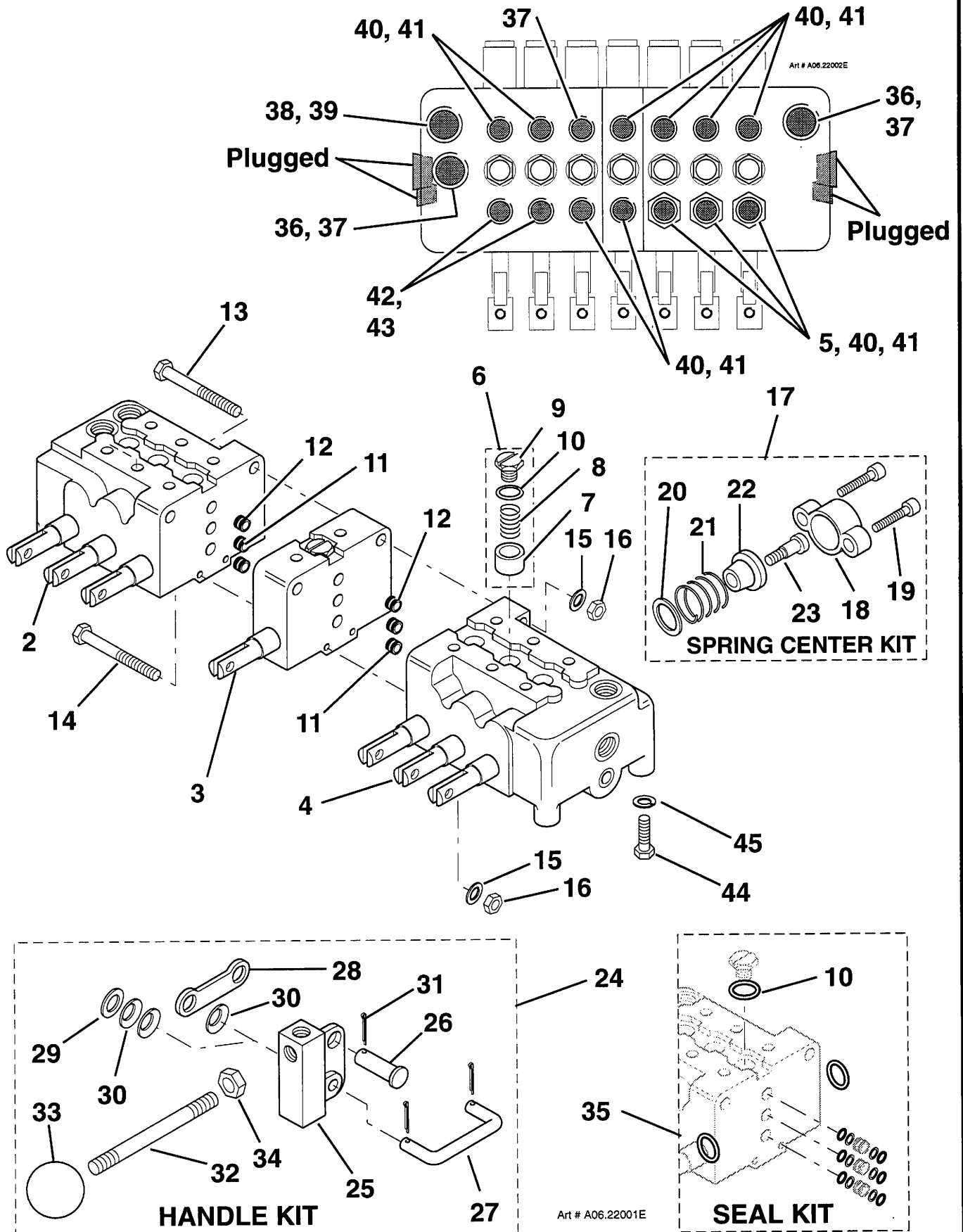
PART NO. 3529150

PLATE NO. 06.22

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

3529150



TITLE

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

SIMON AERIALS INC.

REV. 2 MAR., 1994

PART
NO.

3529150

PLATE
NO.

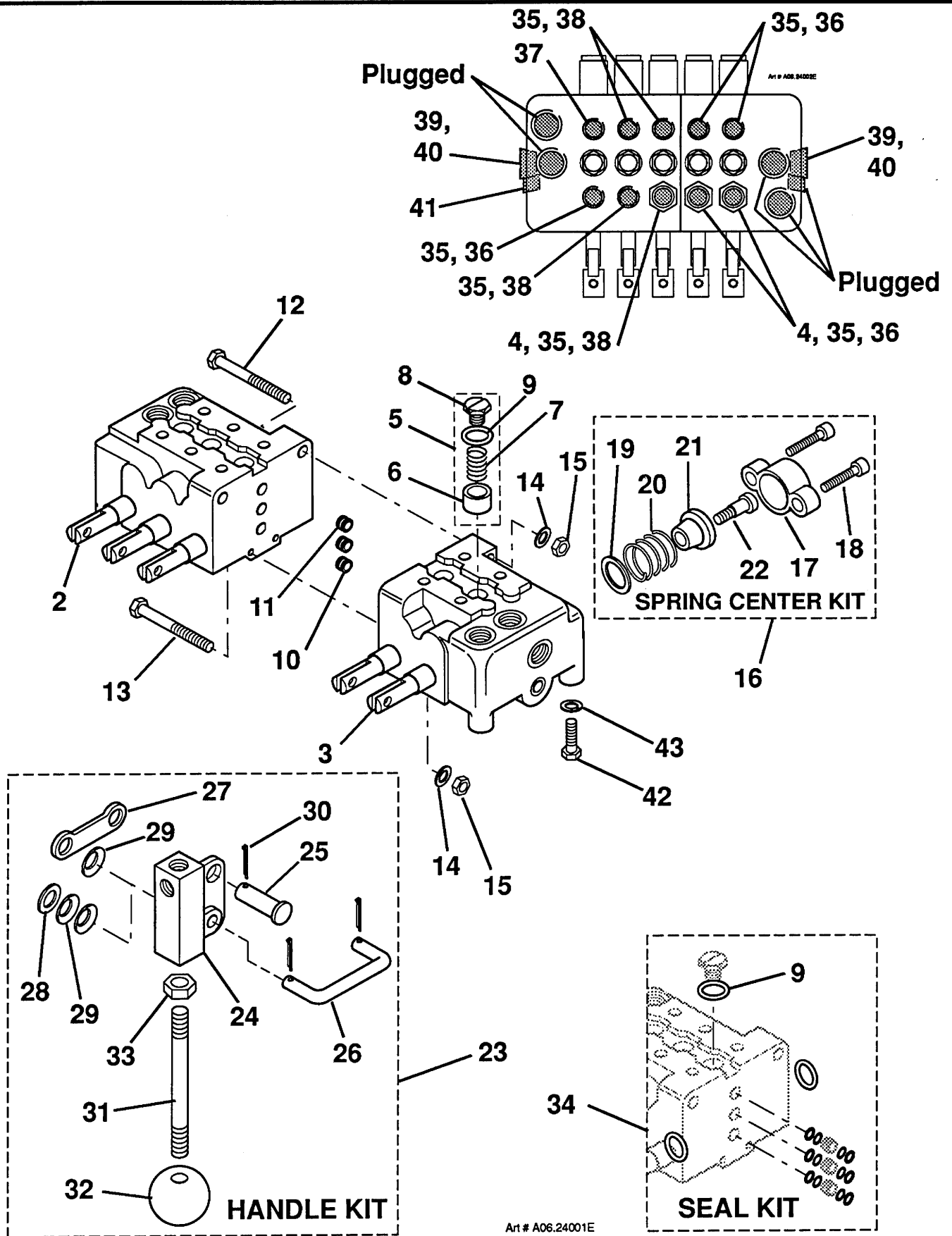
06.22

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-212900		VALVE BANK ASS'Y., PLATFORM CONTROL (5 Spool)	1
2	01-212201		INLET SECTION, 3 SPOOL	1
3	01-098404		OUTLET SECTION, 2 SPOOL	1
4	01-098410		VALVE ASSEMBLY, FLOW CONTROL (5 L per minute, pressure compensated)	3
5			VALVE KIT, LOAD CHECK	5
6			POPPET, LOAD CHECK	1
7			SPRING	1
8			PLUG, HEX HEAD	1
9			O-RING (also part of Seal Kit, item 34)	1
10	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
11	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
12			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
13			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
14			WASHER, SPLIT LOCK (1/4")	4
15			NUT, HEX (1/4"-20, Grade 5)	4
16			SPRING CENTER KIT	5
17			CAP, END	1
18			SCREW	2
19			WASHER	1
20			SPRING, RETURN	1
21			SPACER	1
22			BOLT, SHOULDER	1
23	01-212902		HANDLE KIT [for 8" (203 mm) long handle]	5
24	01-098402		BLOCK, PIVOT	1
25	01-098403		PIN, CLEVIS	1
26	01-098413		C-HOOK	1
27	01-098414		LINK (used on three outboard spools)	1
28	01-098411		WASHER, FLAT (for center spools not using link)	1
29	01-098409		WASHER, SPRING (1 for spools using link, 2 for rest)	2
30	01-098412		PIN, COTTER	3
31	01-212901		ROD, HANDLE [8" (203 mm) long]	1
32	01-098407		KNOB, BALL (Plastic)	1
33	01-098408		NUT, JAM	1
34	01-098601		SEAL KIT (will service 5 Spools)	1

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

PLATE NO. 06.24 SIMON AERIALS INC. NEW 22 SEP., 1992 PART NO. 3528140



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

SIMON AERIALS INC.

NEW 22 SEP., 1992

PART
NO.

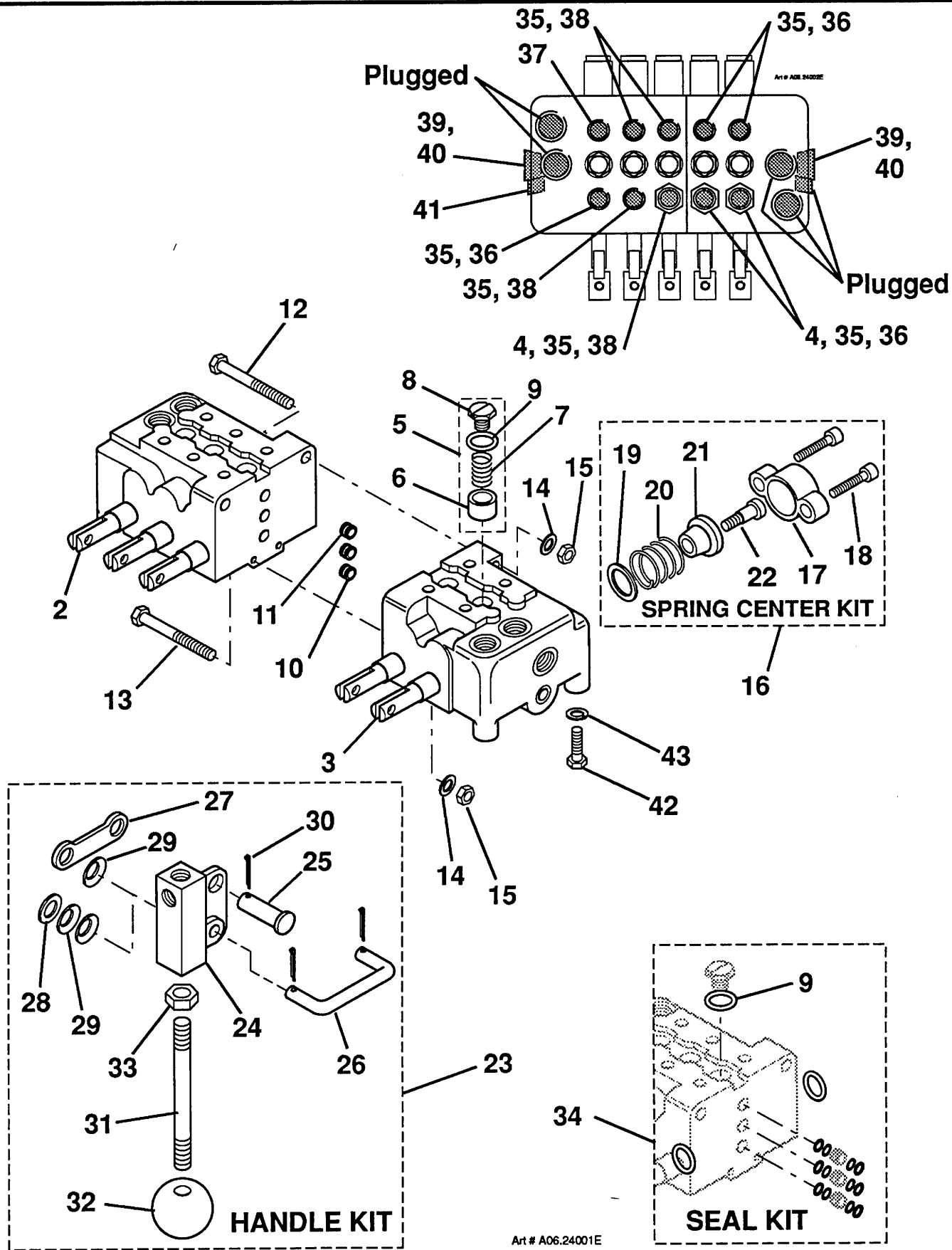
3528140

PLATE
NO.

06.24

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PLATE NO.	06.24	SIMON AERIALS INC.	NEW 22 SEP., 1992	PART NO.	3528140
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TITLE GROUND VALVE BANK ASSEMBLY, 5 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 22 SEP., 1992

PART NO. 3528140

PLATE NO. 06.24

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2187380		BOX, GROUND CONTROL (Drilled. Includes cover) [10" (254 mm) x 12" (305 mm) x 6" (152 mm) deep]	1
2	2187390		SUBPLATE, MOUNTING	1
3	10-125800		DECAL, GROUND CONTROL	1
4	03-486500		SWITCH, KEY OPERATED (3 position, maintained contact) (includes 2 keys)	1
5	03-437000		SWITCH, ROTARY (Power switch) (2 position, momentary contact right, maintained left)	1
6	03-409800		BUTTON, EMERGENCY STOP	1
7	03-454900		BASE, SWITCH MOUNTING	3
8	03-437300		BLOCK, CONTACT (normally closed)	1
9	03-437200		BLOCK, CONTACT (normally open)	7
10	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
11	10-127500		PLUG, PLASTIC (for 2" dia. hole)	2
12	03-036400		BLOCK, TERMINAL (2 conductor, for #16 to #24 wire)	17
13	03-036500		BLOCK, TERMINAL (4 conductor, for #16 to #24 wire)	16
14	03-036700		PLATE, TERMINAL BLOCK END	1
15	03-036600		RAIL, TERMINAL [1 M (39.4") long] [9" (229 mm) long section needed for this application]	1
16	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	4
17	07-050007		NUT, HEX LOCK (#6-32, Grade 5)	4
18	03-051700		RAIL, TERMINAL [1 M (39.4") long] [9" (229 mm) long section needed for this application]	1
19	03-410400		RELAY, PLUG IN (48 Volt DC, double pole, double throw)	3
20	03-037500		SOCKET, RELAY (Double pole, snap mount)	3
21	03-485600		RELAY, PLUG IN (48 Volt DC, single pole, double throw)	3
22	03-051600		SOCKET, RELAY (Single pole, snap mount)	3
23	03-451700		POTENTIOMETER (20 K Ohm)	1
24	2187470		BRACKET, POTENTIOMETER MOUNTING	1
25	03-044900		COLLAR, LOCKING	1
26	07-013414		CAP SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	2
27	07-050111		NUT, STOP (#10-32, Grade 5)	2
28	03-063200		GRIP, CORD (3/4", sealing)	2
29	03-055600		NUT, CONDUIT LOCK (3/4")	2
30	03-041000		GRIP, CORD (1/2", sealing)	2
31	03-055500		NUT, CONDUIT LOCK (1/2")	2

TITLE GROUND CONTROL PANEL, ELECTRIC EAGLE (PLATE 1 OF 2)

PLATE NO.

07.19

SIMON AERIALS INC.

REV. 10 SEP., 1993

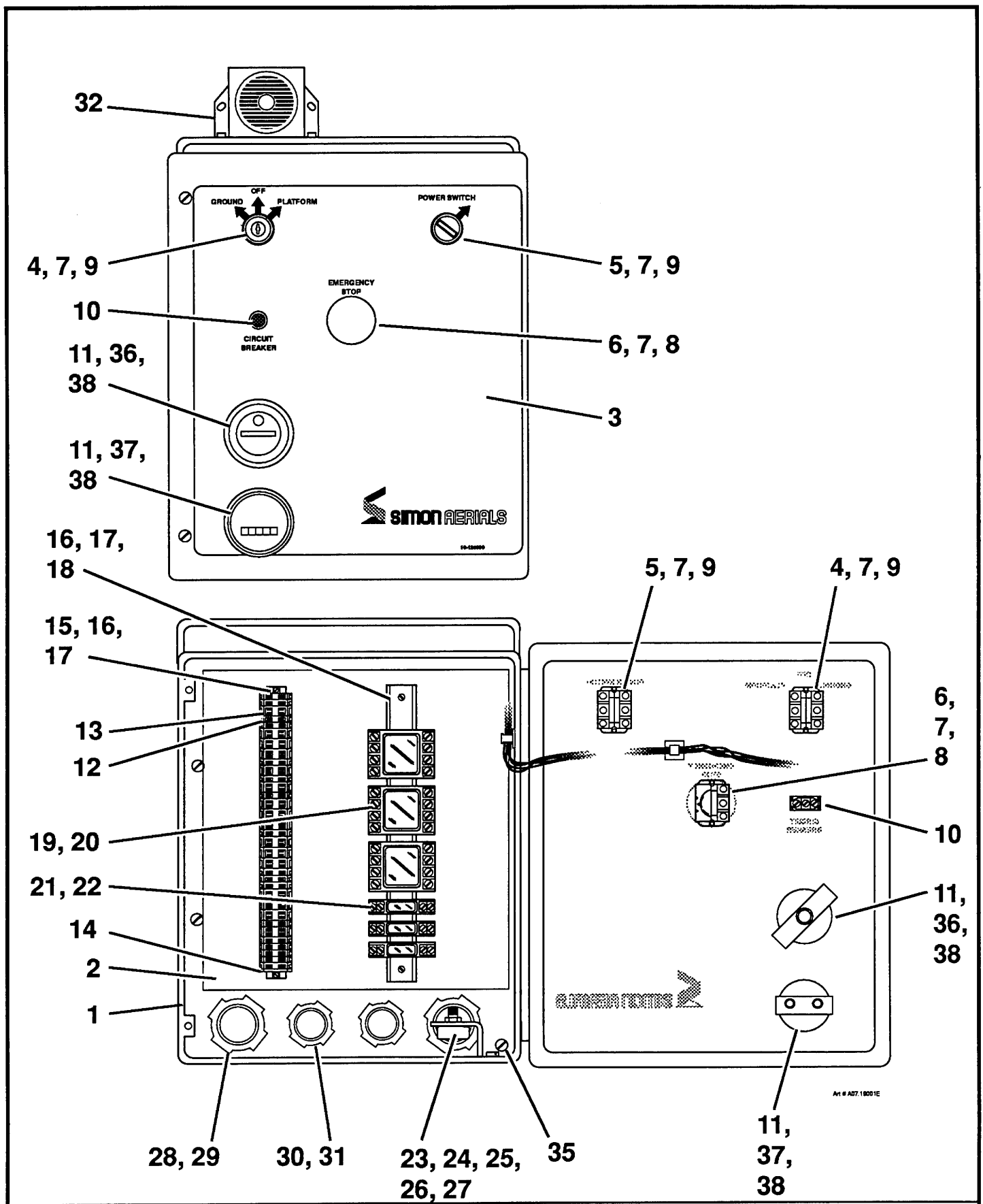
PART NO.

3525410

PLATE NO.	07.19
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PLATE NO.	07.19	SIMON AERIALS INC.	REV. 10 SEP., 1993	PART NO.	3525410
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TITLE GROUND CONTROL PANEL, ELECTRIC EAGLE (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 10 SEP., 1993

PART NO. 3525410

PLATE NO. 07.19

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2185580		CONSOLE WELDMENT, CONTROL	1
2	3528330		ENCLOSURE ASSEMBLY, PLATFORM ELECTRICAL	1
3	2140420		BOX, PLATFORM ELECTRICAL BOX (Undrilled)	1
	2188000		BOX, PLATFORM ELECTRICAL BOX (Drilled)	1
4	2185530		COVER, PLATFORM ELECTRICAL BOX	1
5	10-124800		DECAL, PLATFORM ELECTRICAL BOX	1
6	03-453800		CONTROLLER (with 20K potentiometer)	1
7	07-011343		MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2)	4
8	07-062009		WASHER, FLAT (#8)	4
9	07-065009		WASHER, HELICAL LOCK (#8)	4
10	03-409800		SWITCH, PUSH BUTTON (Emergency stop)	1
11	03-454900		BASE, CONTACT BLOCK	1
12	03-437300		BLOCK, CONTACT (Normally closed)	1
13	03-479300		ALARM, SIGNAL	1
14	03-041000		GRIP, CORD (1/2", Sealing)	1
15	03-055500		NUT, CONDUIT LOCK (1/2")	1
16	03-063200		GRIP, CORD (3/4", Sealing)	1
17	03-055600		NUT, CONDUIT LOCK (3/4")	1
18	07-029365		SCREW, TEK (#12-14 x 1", sealing)	6
19	2185710		BAR, GRAB [18-3/4" (476 mm) wide x 8-3/4" (222 mm) high]	1
20	2185720		BAR, GRAB [12" (305 mm) wide x 3-7/8" (98 mm) high]	1
21	2114330		PLUG (Modified 12 PNTX-S)	4
22	07-003088		SCREW, HEX HEAD (1/2"-13 x 1-3/4", Grade 5)	4
23	07-065018		WASHER, HELICAL LOCK (1/2")	4
24			DECAL, PLATFORM CONTROL	1
	10-124700		Model 32/21 without platform rotate feature	
	10-126700		Model 32/21 with platform rotate feature	
	10-134900		Model 41/24 without platform rotate feature	
	10-135000		Model 41/24 with platform rotate feature (shown)	

TITLE PLATFORM CONTROL CONSOLE, ELECTRIC EAGLE 32/21 AND 41/24

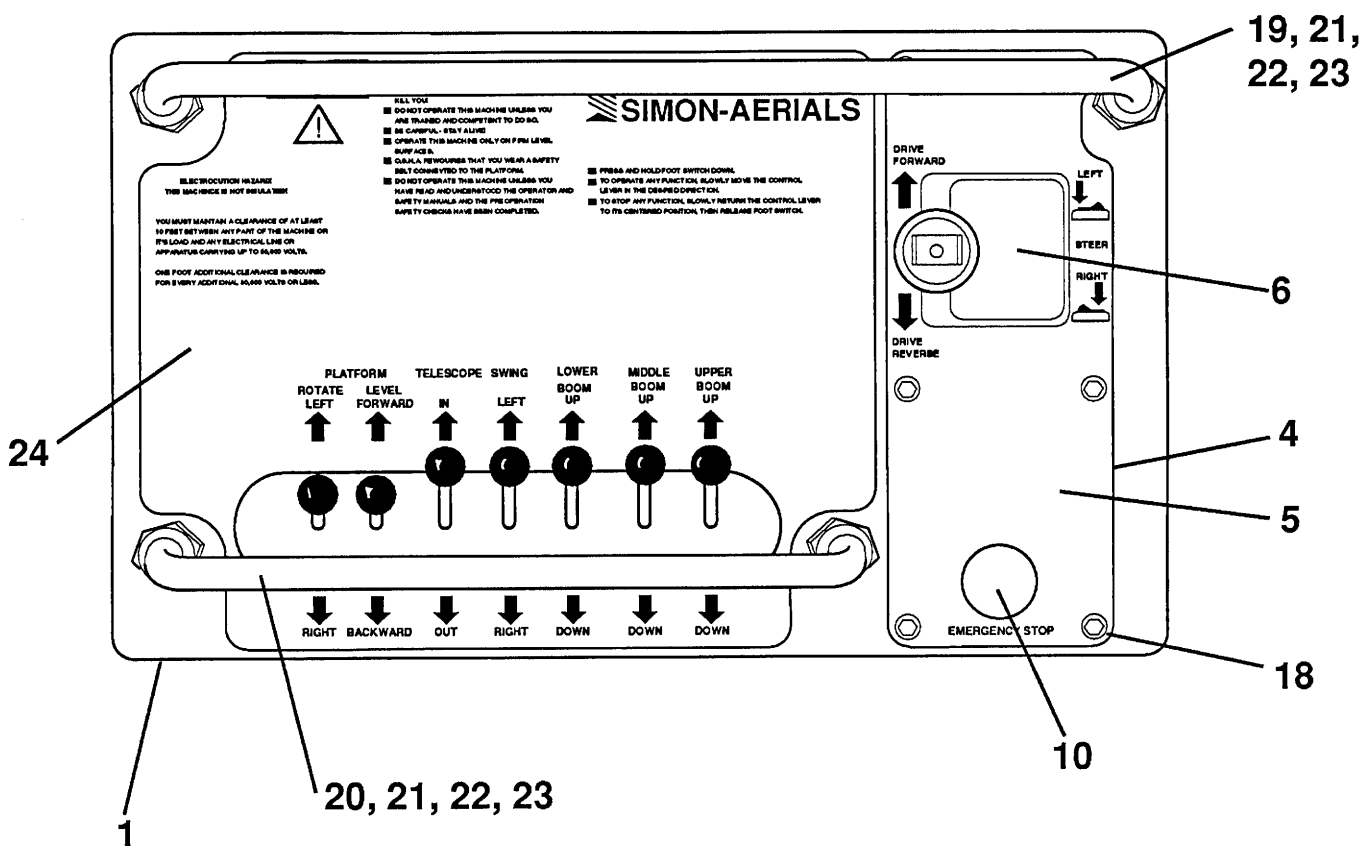
PLATE
NO.

09.20

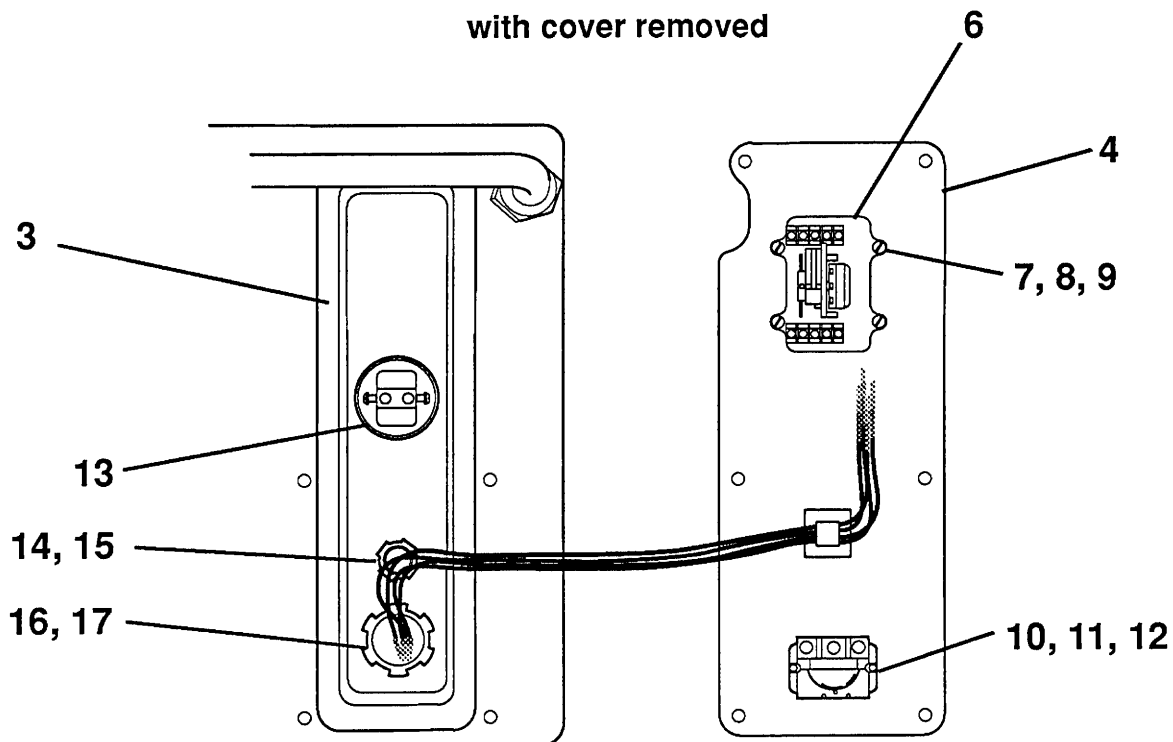
SIMON AERIALS INC.

NEW 05 OCT., 1992

PART
NO.



with cover removed



Art # A09.20002E

TITLE PLATFORM CONTROL CONSOLE, ELECTRIC EAGLE 32/21 AND 41/24

SIMON AERIALS INC.

NEW 05 OCT., 1992

PART
NO.

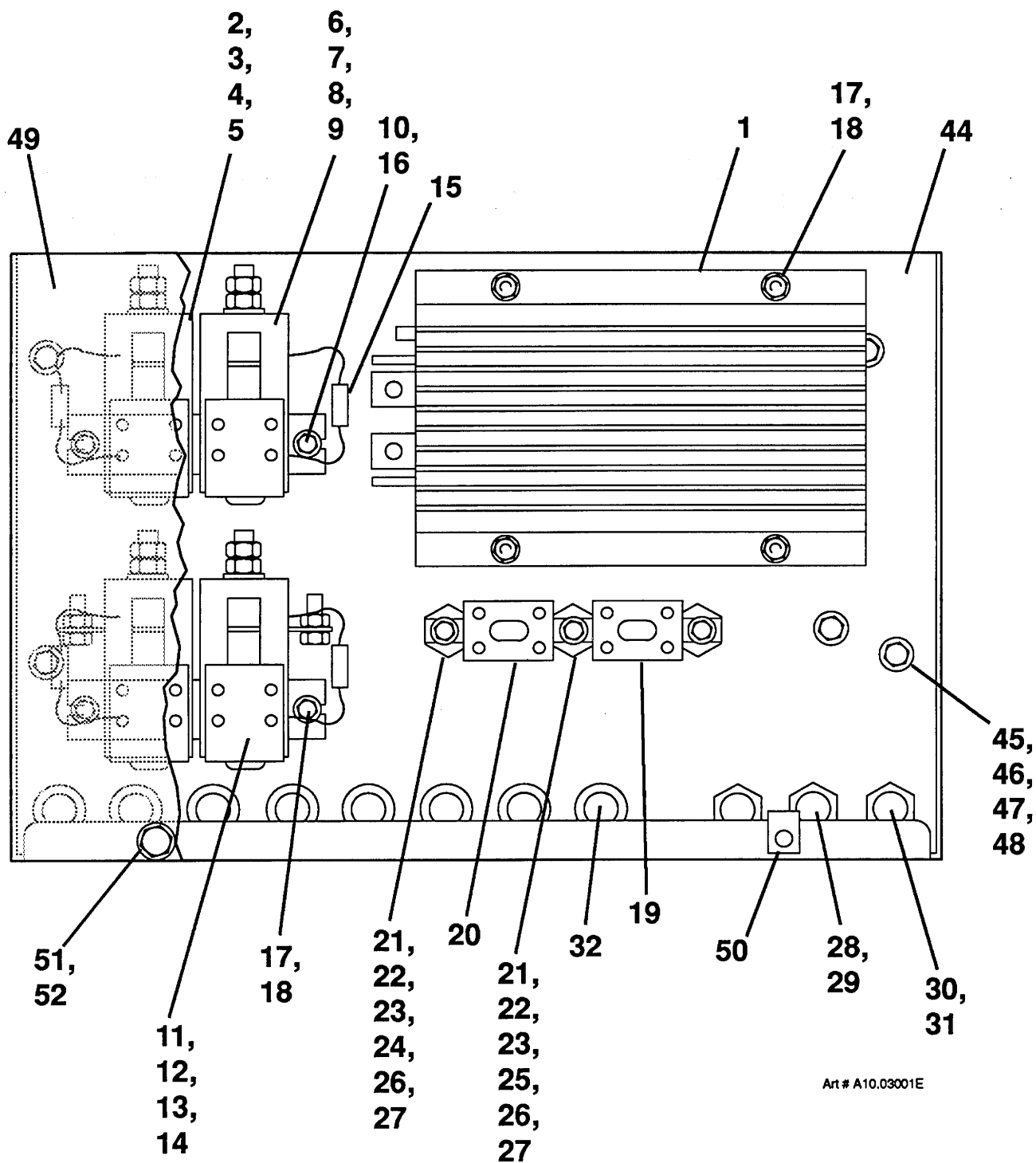
PLATE
NO. 09.20

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-455200		CONTROLLER, MOTOR SPEED	1
2	03-486900		CONTACTOR (Pump motor) (48 Volt, continuous wound coil)	1
3	03-486901		SPRING, RETURN	1
4	03-486902		COIL AND MAGNET FRAME ASSEMBLY	1
5	03-484403		CONTACT KIT	1
6	03-484400		CONTACTOR (Drive) (48 Volt, intermittent wound coil)	1
7	03-484401		SPRING, RETURN	1
8	03-484402		COIL AND MAGNET FRAME ASSEMBLY	1
9	03-484403		CONTACT KIT	1
10	10-125400		BRACKET, DUAL CONTACTOR	1
11	03-484300		CONTACTOR (Forward/ Reverse) (48 Volt, intermittent wound coil)	1
12	03-484301		SPRING, RETURN	2
13	03-484302		COIL AND MAGNET FRAME ASSEMBLY	2
14	03-484303		CONTACT KIT	1
15	03-485700		DIODE (3 Amp, 100 Volt)	4
16	03-485900		RESISTOR (2500 Ohm, 5 Watt)	1
17	07-050014		NUT, HEX LOCK (1/4"-20)	8
18	07-060014		WASHER, FLAT (1/4" SAE)	8
19	03-454600		FUSE (125 Amp)	1
20	03-406900		FUSE (325 Amp)	1
21	03-458900		STANDOFF, FUSE (Insulated) (with 8 mm female thread) (superceded by Fuse holder 03-700000)	4
	• 03-700000		HOLDER, FUSE (Insulated) (with 5/16"-18 threaded stud)	4
22	• 07-099100		MACHINE SCREW, FLAT HEAD (#12-24 x 7/8") (used with fuse holder 03-700000)	4
23	• 07-099200		NUT, HEX LOCK (#12-24) (used with fuse holder 03-700000)	4
24	07-005147		CAP SCREW, HEX HEAD (M 8 x 16 mm, Grade 8.8) (used with standoff 03-458900)	2
25	07-005149		CAP SCREW, HEX HEAD (M 8 x 25 mm, Grade 8.8) (used with standoff 03-458900)	2
26	07-039005		NUT, HEX (M 8 x 25 mm) (used with standoff 03-458900)	4
	• 07-040015		NUT, HEX (5/16"-18) (used with fuse holder 03-700000)	4
27	07-066005		WASHER, LOCK (8 mm) (used with standoff 03-458900)	8
	• 07-065015		WASHER, LOCK (5/16") (used with fuse holder 03-700000)	8
28	03-041000		GRIP, CORD (1/2", sealing)	2
29	03-055500		NUT, CONDUIT LOCK (1/2")	2
30	03-063200		GRIP, CORD (3/4", sealing)	1
31	03-055600		NUT, CONDUIT LOCK (3/4")	1
32	10-125500		BUSHING, SPLIT (Insulated, for 3/4" hole)	8

TITLE MOTOR CONTROL ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

PLATE NO.	10.03	SIMON AERIALS INC.	NEW 10 SEP., 1993	PART NO. 3525420
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TITLE MOTOR CONTROL ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

SIMON AERIALS INC.

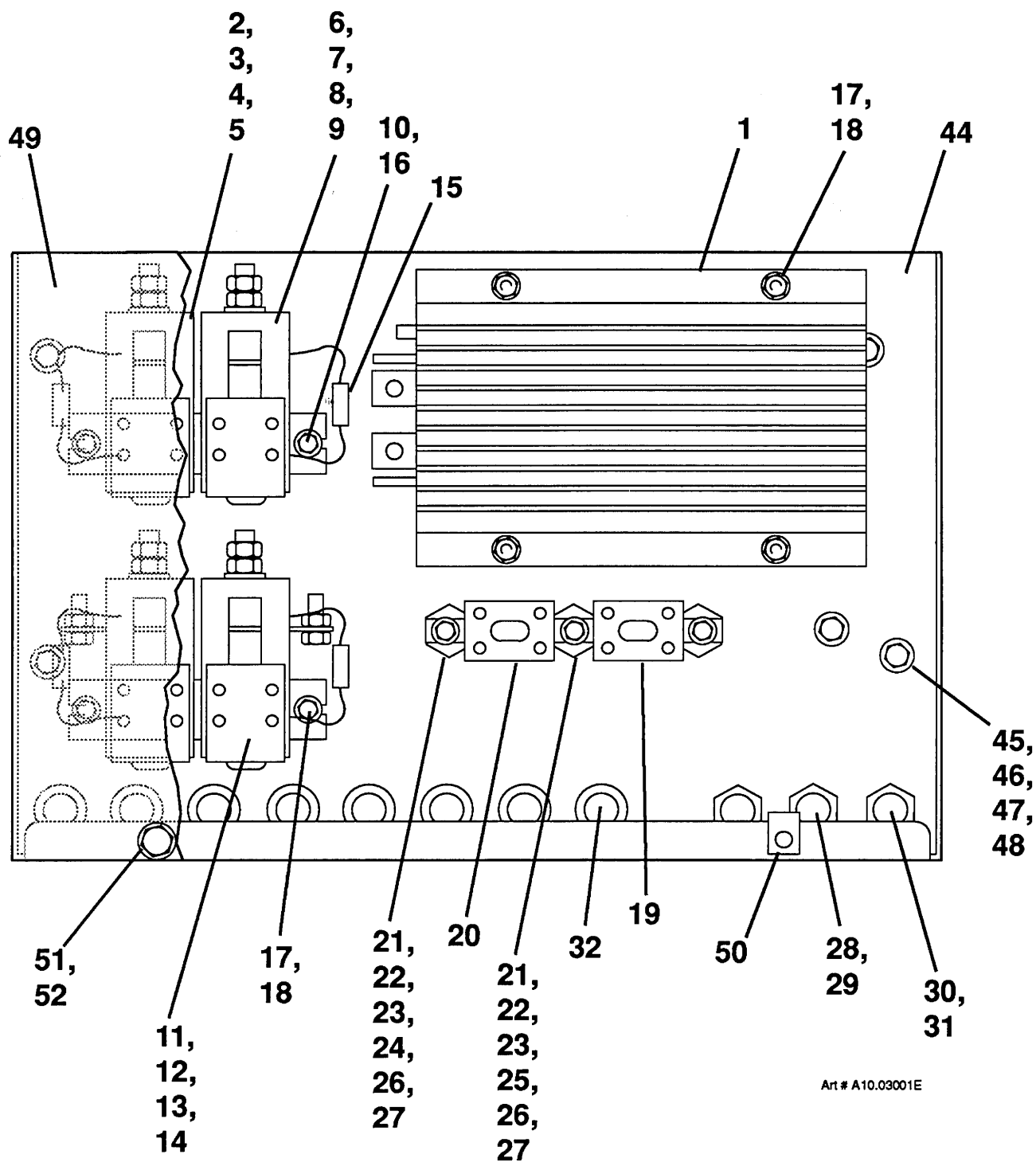
NEW 10 SEP., 1993

PART NO. 3525420

PLATE NO. 10.03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
33	03-085200		CABLE, ELECTRICAL (Bulk item, order as needed)	A.R.
	03-085900		(SJO, 2 conductor, #16 AWG) [5 Ft (1.52 M) used here]	A.R.
	03-446800		(SJO, 3 conductor, #12 AWG) [8 Ft (2.44 M) used here]	A.R.
34	2188200		(10 conductor, #16 AWG) [12 Ft (3.05 M) used here]	4
35	2188210		CABLE, ELECTRICAL [78" (1.98 M) long]	4
36	2188220		CABLE, ELECTRICAL [110" (2.79 M) long] (Lift motor)	2
37	2188230		CABLE, ELECTRICAL [25" (63.5 cm) long] (Drive and pump contactors to fuse)	2
38	2188240		CABLE, ELECTRICAL [22" (55.9 cm) long] (Controller "B-" to Ground Post)	2
39	2188250		CABLE, ELECTRICAL [13" (33.0 cm) long] (Controller "B+" to Main Contactor)	1
40	2188260		CABLE, ELECTRICAL [12" (30.5 cm) long] (Controller "M-" to Drive Contactor)	1
41	2188290		CABLE, ELECTRICAL [8" (20.3 cm) long] (Controller "A2" to Drive Contactor)	1
42	2188300		CABLE, ELECTRICAL [54" (1.37 M) long] (SBX "-" to Ground Post)	1
43	2188300		CABLE, ELECTRICAL [74" (1.88 M) long] (SBX "+" to Fuse Post)	22
44	03-488000		BOOT, CABLE	1
45	2187460		ENCLOSURE, MOTOR CONTROL	3
46	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	1
47	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
48	07-040015		NUT, HEX LOCK (5/16"-18)	4
49	07-065015		WASHER, LOCK (5/16")	1
50	2187830		COVER, MOTOR CONTROL ENCLOSURE	2
51	10-125200		NUT, CAGE (Extended, 1/4"-20)	2
52	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4")	2
52	07-065014		WASHER, LOCK (1/4")	
TITLE MOTOR CONTROL ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)				
PLATE NO. 10.03	SIMON AERIALS INC.		NEW 10 SEP., 1993	PART NO. 3525420

PLATE NO.	10.03	SIMON AERIALS INC.	NEW 10 SEP., 1993	PART NO.	3525420
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Art # A10.03001E

TITLE MOTOR CONTROL ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 10 SEP., 1993

PART NO. 3525420

PLATE NO. 10.03

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.	1
	04-030400		The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix. 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
			(for "Type 2" Cylinder)	2
	04-028202		(for "Type 3" Cylinder)	2
3	04-032602		NUT, LOCK (for "Type 3" Cylinder)	1
4	04-032603		PISTON (for "Type 3" Cylinder)	1
5	04-032604		HEAD (for "Type 3" Cylinder)	1
6	04-032605		ROD (for "Type 3" Cylinder)	1
7	04-032606		BUSHING (for "Type 3" Cylinder)	4
8			SEAL KIT (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:	
9	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
10	06-039300		CONNECTOR, STRAIGHT THREAD (4 F50X-S)	1
11	06-039500		ADAPTER (4-6 F50X-S)	1
12	08-050000		FITTING, GREASE (1/8", Straight)	1
13	08-051300		FITTING, GREASE (1/8" x 90°)	1
14	08-066300		CAP, GREASE (white plastic)	2

TITLE

MASTER CYLINDER

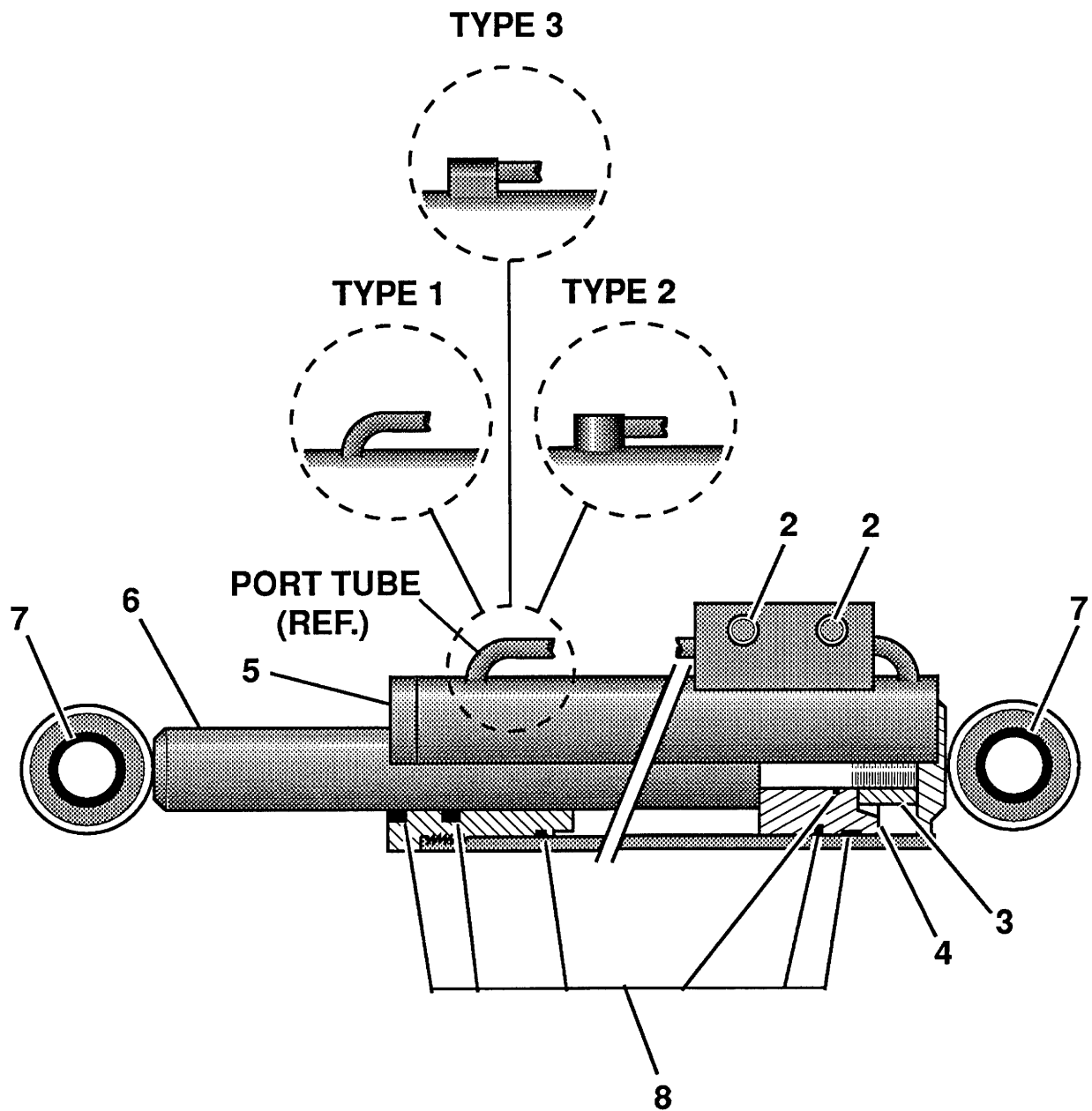
PLATE NO.

11.06

SIMON AERIALS INC.

REV. 24 SEP., 1992

PART NO.



TITLE

MASTER CYLINDER

SIMON AERIALS INC.

REV. 24 SEP., 1992

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.	1
	04-030500		The cylinder serial number, which is stamped on the cylinder side wall, has an "A" prefix. 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)

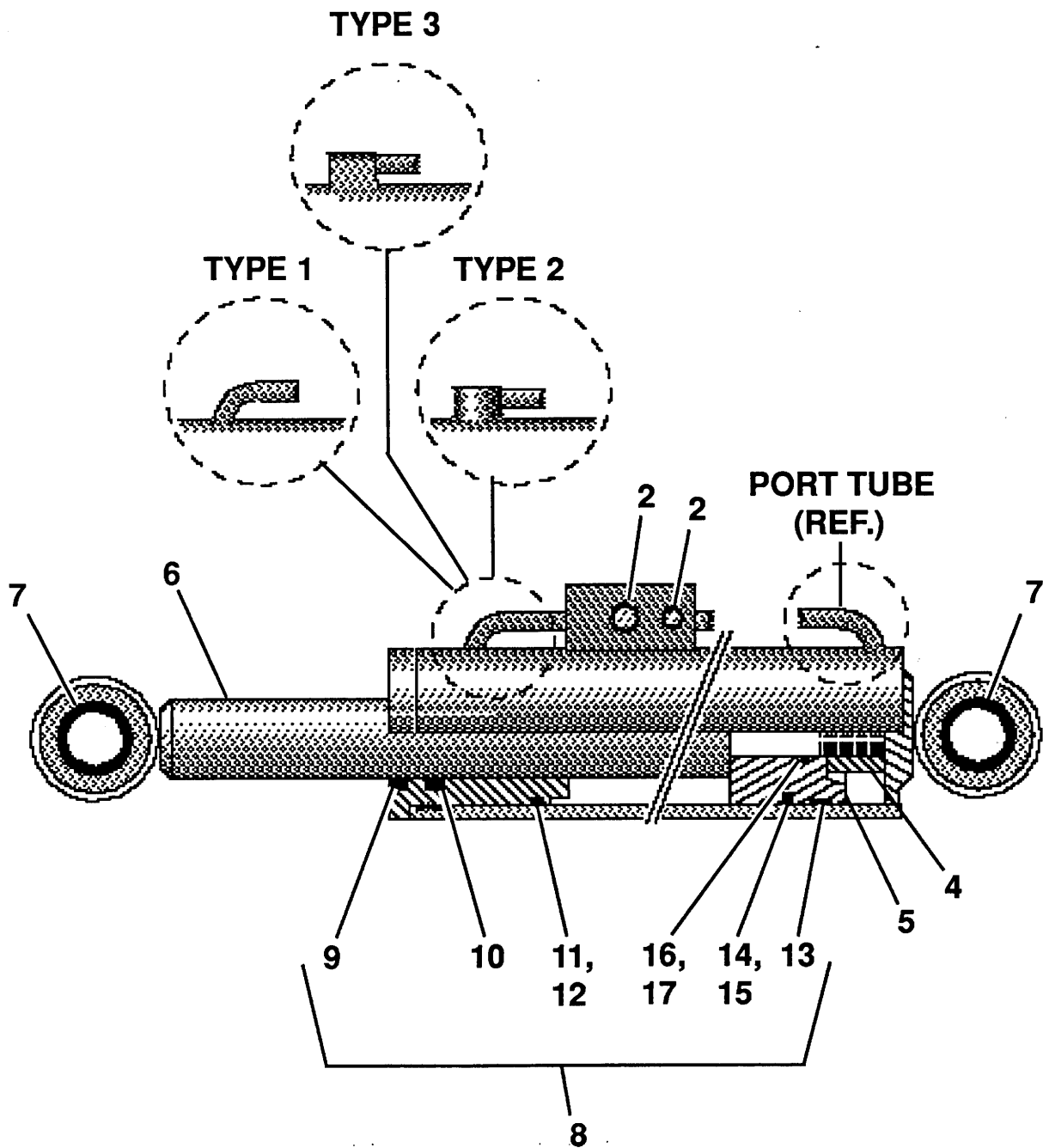
PLATE NO.

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.

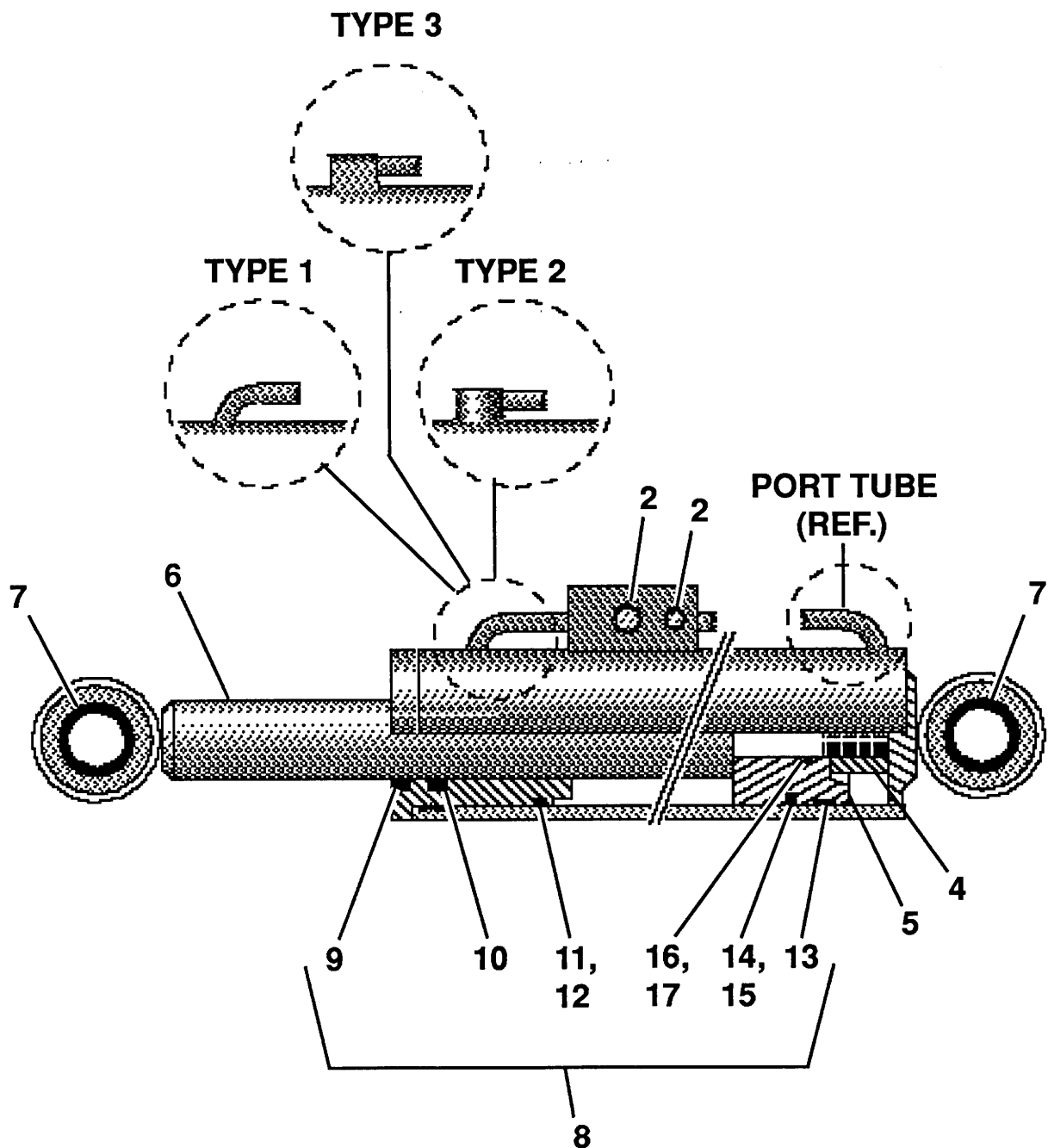
PLATE
NO.

11.07

[illegible]

SLAVE CYLINDER (PLATE 2 OF 2)

PART
NO.



TITLE

SLAVE CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

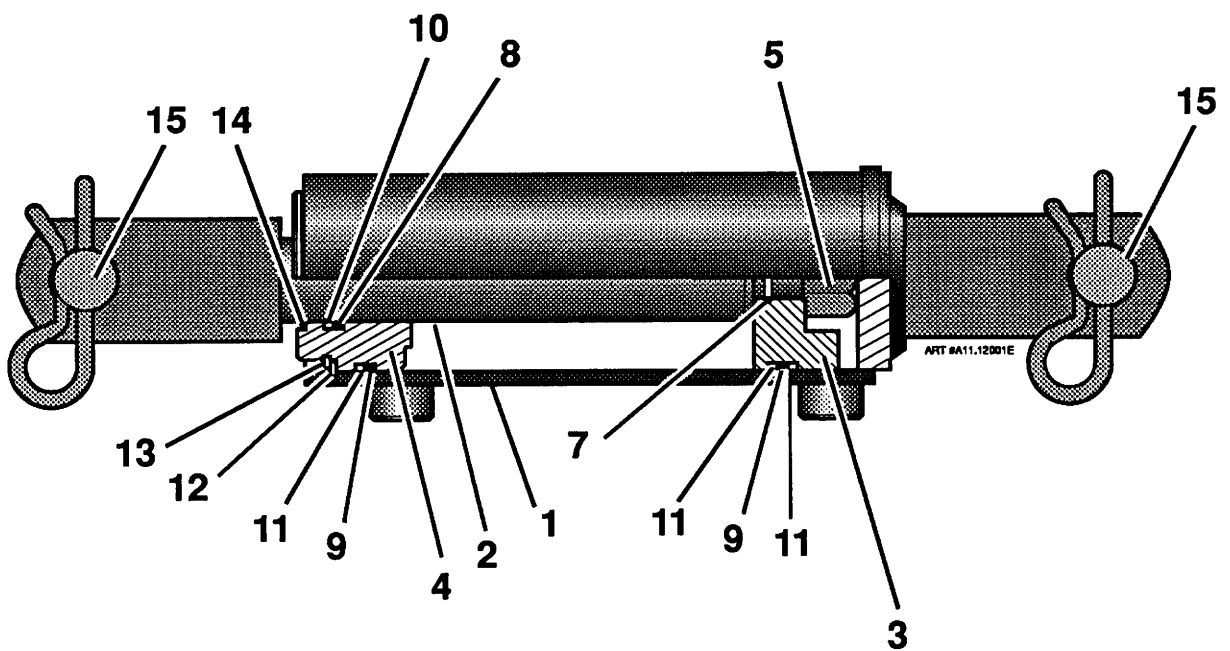
PLATE
NO.

11.07

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CYLINDER BODY	1
2	04-030303		ROD ASSEMBLY, PISTON (includes clevis)	1
3	04-030302		PISTON	1
4	04-030304		GUIDE, PISTON ROD	1
5			NUT, LOCK (7/8"-14)	1
6	04-030301		SEAL KIT	1
7			O-RING (3/4" I.D.)	1
8			O-RING (1-1/8" I.D.)	1
9			O-RING (3" O.D.)	2
10			WASHER, BACKUP (1-1/8" I.D., 1-3/8" O.D.)	1
11			WASHER, BACKUP (2-5/8" I.D., 3" O.D.)	3
12			RING, RETAINING (3", internal)	1
13			RING, RETAINING (2-5/8", external)	1
14			WIPER, ROD	1
			The following parts are NOT INCLUDED as part of the cylinder assembly:	
15	04-030305		PIN, CLEVIS (includes cotter pin)	2
TITLE			STEER CYLINDER	
PLATE NO.	11.12	SIMON AERIALS INC.		PART NO. 04-030300
				REV. 02 NOV., 1992

STEER CYLINDER

PART NO. 04-030300



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 02 NOV., 1992

PART
NO.

04-030300

PLATE
NO.

11.12

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-034700		CYLINDER, TELESCOPE (2.50" bore) [Ref: 102" (2.591 M) fully retracted, 188.5" (4.788 M) fully extended]	1
2			CYLINDER BODY (Case)	1
3	04-034703		ROD, CYLINDER	1
4			PISTON	1
5	04-034702		GLAND, HEAD (Rod guide)	1
6			NUT, LOCK	1
7			SPACER	1
8	04-037401		SEAL KIT (Note: Items in seal kit identified by asterisk *)	1
9			"O"-RING	1
10			RING, BACKUP	1
11			RING, PISTON WEAR	1
12			SEAL, PISTON	1
13			"O"-RING	1
14			SEAL, ROD	1
15			WIPER, ROD	1
16			"O"-RING	1
17			RING, BACKUP	1
			The following items are not included as part of the Telescope Cylinder Assembly:	
18	2140920		GUIDE WELDMENT, TELESCOPE CYLINDER	2
19	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	4
20	07-065016		WASHER, HELICAL LOCK (3/8")	4

TITLE TELESCOPE (EXTEND) CYLINDER

PLATE NO.

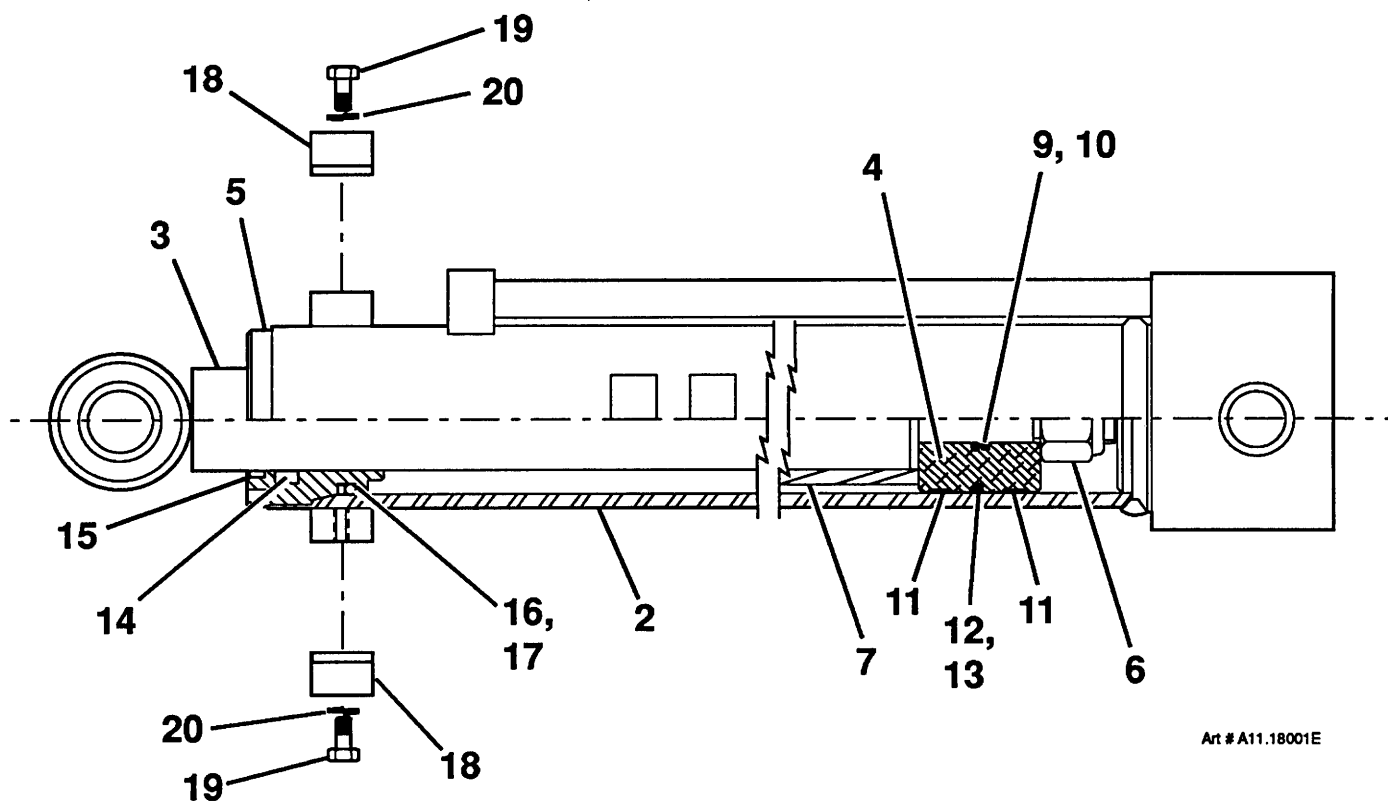
11.18

SIMON AERIALS INC.

REV. 02 NOV., 1992

PART NO.

04-034700



TITLE

TELESCOPE (EXTEND) CYLINDER

SIMON AERIALS INC.

REV. 02 NOV., 1992

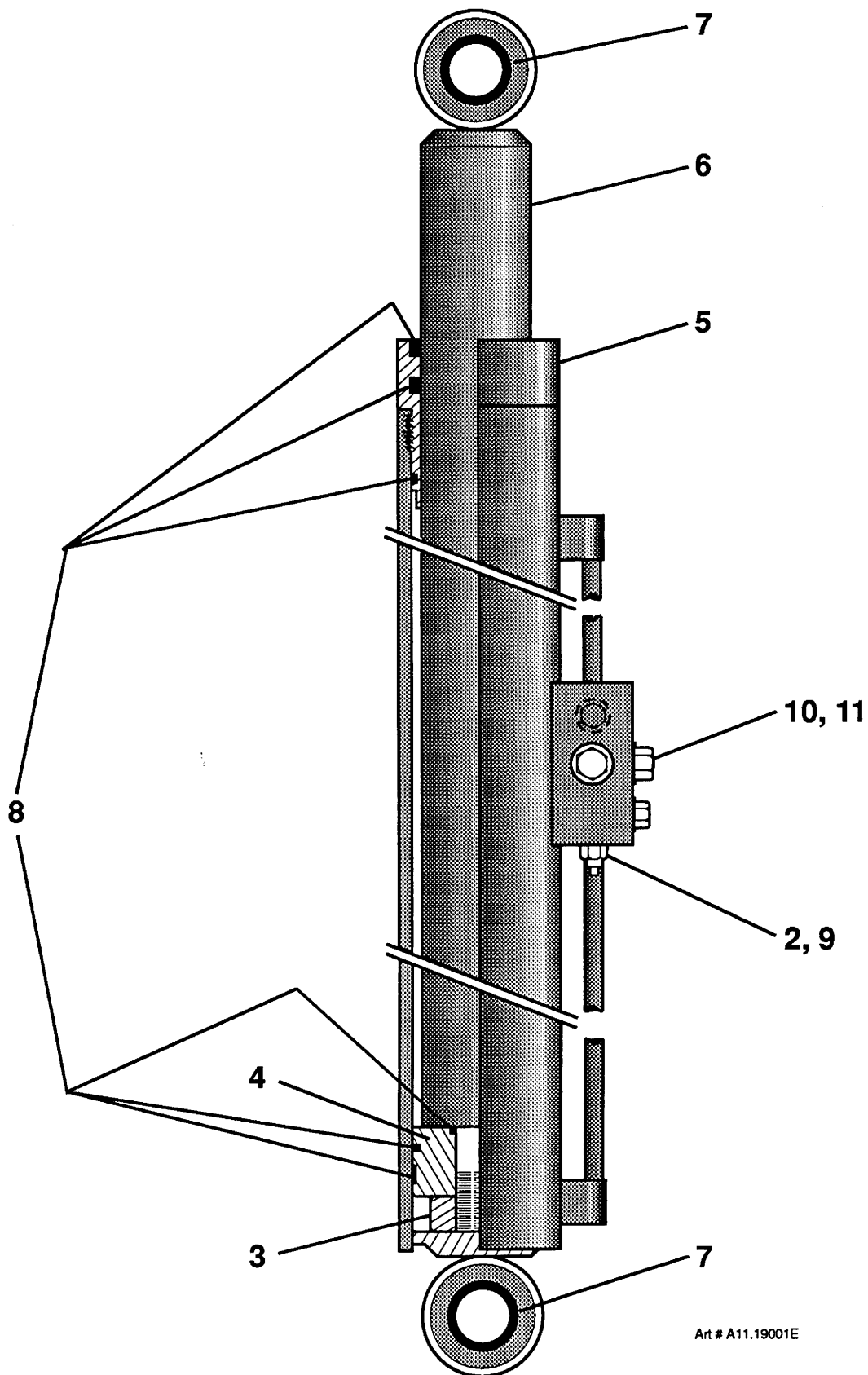
PART
NO.

04-034700

PLATE
NO.

11.18

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-032400		CYLINDER, LIFT Lower and upper booms, type 1 (2.50" bore)	1
	04-037100		Lower and upper booms, type 2 (3.00" bore)	1
	04-032400		Mid boom, model 41/24 (2.50" bore)	1
			Note: When ordering a Lower or Upper Boom REPLACEMENT CYLINDER , "Type 2" will be supplied.	
2	04-028302		VALVE, COUNTERBALANCE (Holding valve cartridge)	
			(for cylinder 04-032400)	2
			(for cylinder 04-037100)	1
3			NUT, LOCK	
	04-032402		(for cylinder 04-032400)	1
	04-033102		(for cylinder 04-037100)	1
4			PISTON	
	04-032403		(for cylinder 04-032400)	1
	04-033103		(for cylinder 04-037100)	1
5			GLAND, HEAD	
	04-032404		(for cylinder 04-032400)	1
	04-033104		(for cylinder 04-037100)	1
6			ROD, CYLINDER	
	04-032405		(for cylinder 04-032400)	1
	04-033105		(for cylinder 04-037100)	1
7			BUSHING	
	04-032406		(for cylinder 04-032400)	4
	04-033106		(for cylinder 04-037100)	4
8			SEAL KIT, CYLINDER	
	04-032401		(for cylinder 04-032400)	1
	04-033101		(for cylinder 04-037100)	1
9	04-028303		SEAL KIT, COUNTERBALANCE VALVE	A.R.
			The following items are not included as part of the Lift Cylinder Assembly:	
10	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	4
11	08-051300		FITTING, GREASE (1/8" x 90°)	2
TITLE LIFT CYLINDER, ELECTRIC EAGLE				
PLATE NO.	11.19	SIMON AERIALS INC.		PART NO.
		REV. 08 JAN., 1993		



Art # A11.19001E

TITLE

LIFT CYLINDER, ELECTRIC EAGLE

SIMON AERIALS INC.

REV. 08 JAN., 1993

PART
NO.

PLATE
NO.

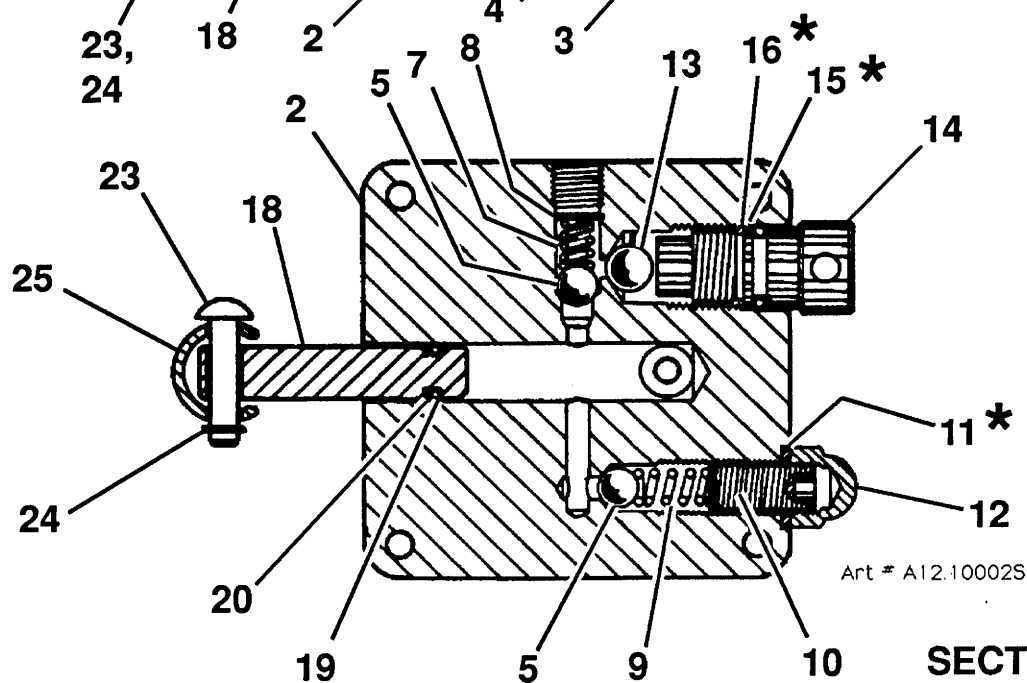
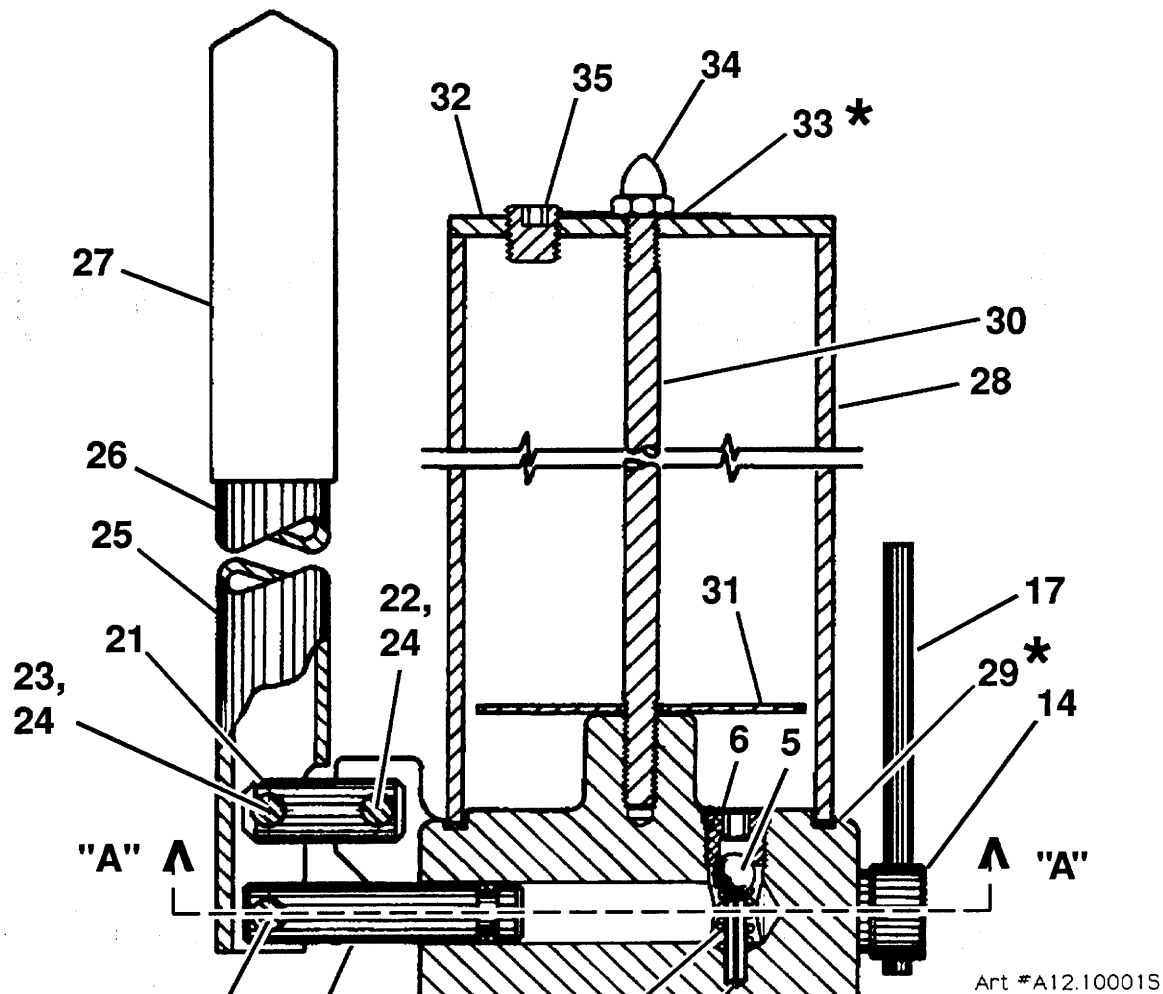
11.19

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-209501		SEAL KIT, HAND PUMP [Items in kit marked with asterisk (*)]	1
2			BASE, HAND PUMP	1
3	01-209520		ROLL PIN (3/16" x 11/16")	1
4	01-209519		SPRING, INLET	1
5	01-209504		BALL (3/8")	3
6	01-209503		SEAT, CHECK	1
7	01-209509		SPRING, CHECK	1
8	01-209510		RING, SNAP	1
9	01-209505		SPRING, RELIEF	1
10			SCREW, ADJUSTING (1/2"-20)	1
11		*	WASHER	1
12			NUT, ACORN (1/2"-20)	1
13	01-209506		BALL (1/2")	1
14	01-209507		VALVE, RELEASE	1
15		*	"O"-RING, RELEASE VALVE	1
16		*	RING, BACKUP	1
17	01-209508		ROLL PIN (5/16" x 4")	1
18	01-209518		PISTON	1
19			"O"-RING, PISTON	1
20			RING, BACKUP	1
21	01-209512		LINK, HANDLE	1
22			RIVET	1
23			RIVET	2
24			WASHER, LOCK	3
25	01-209511		HANDLE (must be modified for this application)	1
26	2196360		EXTENSION, PUMP HANDLE (Modified handle 01-209511. Includes handle grip)	1
27	01-209513		GRIP, HANDLE	1
28	01-209517		TANK, HAND PUMP	1
29		*	GASKET, TANK	1
30	01-209515		ROD, TIE	1
31			BAFFLE	1
32			LID, HAND PUMP TANK	1
33	01-209502	*	WASHER	1
34	01-209516		NUT, ACORN (5/16"-18)	1
35			PIPE PLUG (1/4" NPT)	1

TITLE		EMERGENCY HAND PUMP ASSEMBLY	
PLATE NO.	12.10	SIMON AERIALS INC.	PART NO. 01-209500

NEW 19 AUG., 1992



SECTION "A-A"

TITLE

EMERGENCY HAND PUMP ASSEMBLY

SIMON AERIALS INC.

NEW 19 AUG., 1992

PART
NO.

01-209500

PLATE
NO.

12.10

PARTS LIST

[illegible]

TITLE

POWER UNIT, ELECTRIC EAGLE

**PLATE
NO.**

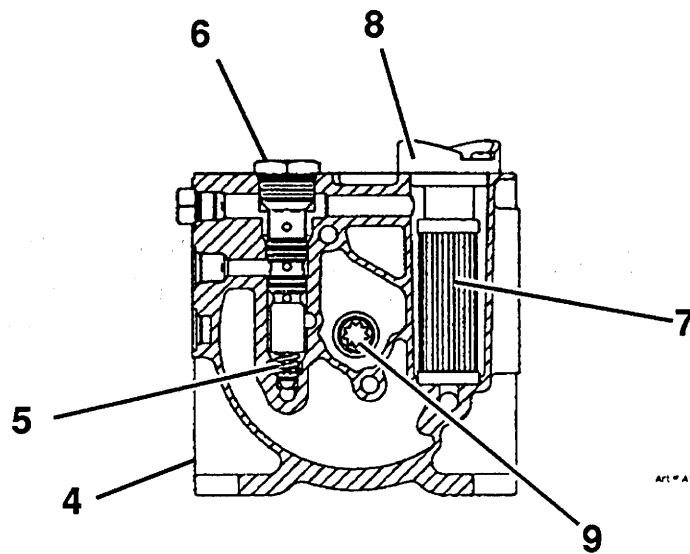
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SIMON AERIALS INC.

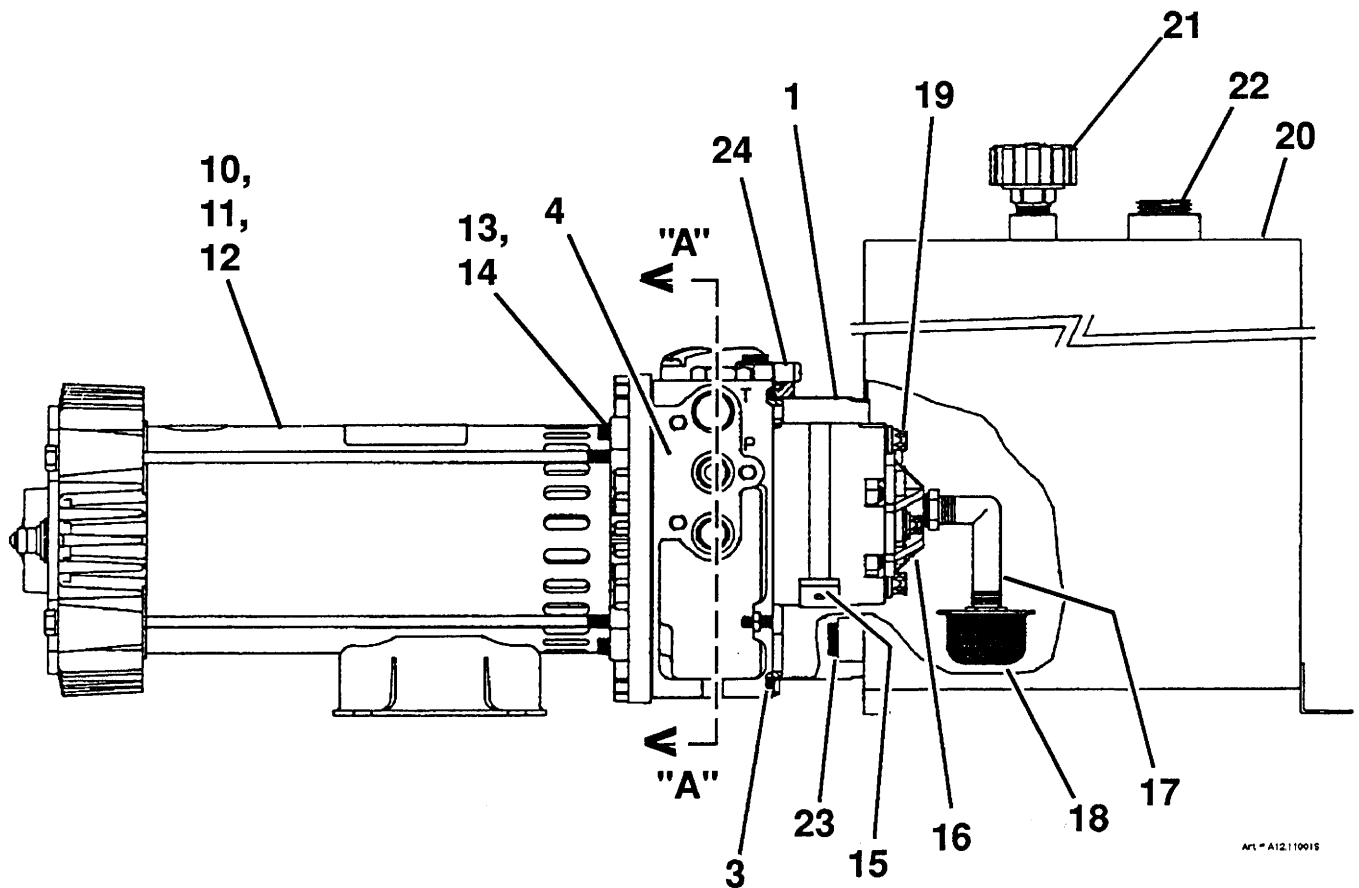
NEW 01 SEP., 1992

PART
NO.

01-209200



SECTION "A-A"



TITLE

POWER UNIT, ELECTRIC EAGLE

SIMON AERIALS INC.

NEW 01 SEP., 1992

PART
NO.

01-209200

PLATE
NO.

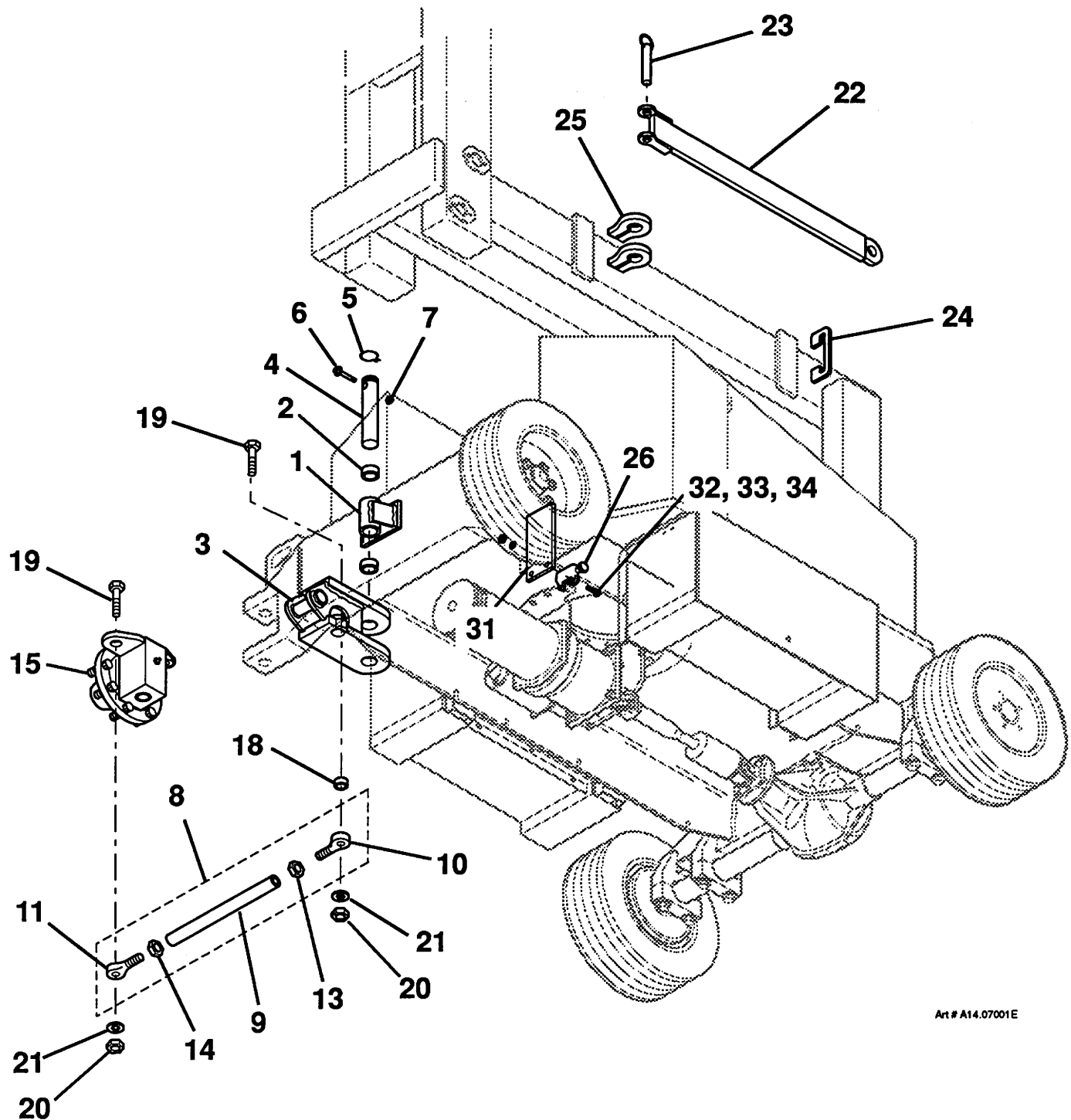
12.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2157820		BRACKET, PIVOT ARM MOUNTING	1
2	08-002000		BUSHING, CENTER STEER ARM PAD	2
3	2162720		ARM, PIVOT	1
4	2128140		PIN (1-1/2" x 8-15/16")	1
5	08-040900		RING, RETAINING (1-1/2")	1
6	07-003094		SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
7	07-058400		NUT (1/2"-13, Grade 8)	1
8	3520560		TIE ROD ASSEMBLY	1
9	2162370		TIE ROD	1
10	08-007100		END, TIE ROD (R.H. Thread)	1
11	08-060600		END, TIE ROD (L.H. Thread)	1
12	08-053100		FITTING, GREASE (1/4"-28, Straight)	1
13	07-047122		NUT, JAM (3/4"-16, Grade 5, R.H. Thread)	1
14	07-048122		NUT, JAM (3/4"-16, L.H. Thread)	1
15			SPINDLE ASSEMBLY, RIGHT (includes tie rod plate)	1
16	3518280		SPINDLE ASSEMBLY, RIGHT	1
17	2162360		PLATE, TIE ROD	1
18	2163460		SPACER, TIE ROD TO PIVOT ARM	1
19	07-004655		SCREW, HEX HEAD (3/4"-16 x 3-1/4", Grade 8)	2
20	07-041640		NUT, HEX (3/4"-16)	2
21	07-065022		WASHER, LOCK (3/4")	2
22	2098450		BAR, TOW	1
23	2108970		PIN, LOCK (1-1/4" x 9")	1
24	2014357		BRACKET, TOW BAR MOUNTING (Eye end)	1
25	2014368		BRACKET, TOW BAR MOUNTING (Pin end)	2
26	01-010900		VALVE, STEERING DISCONNECT [3000 PSI (206.9 bar) (211 Kg/ cm ²)]	1
27	06-004000		ELBOW, MALE (6-6 CTX-S)	2
28	06-009900		ELBOW, MALE 45° (6-6 VTX-S)	1
29	06-044600		ELBOW, MALE (6 C50X-S)	1
30	06-054500		RUN TEE, SWIVEL NUT (6 R6X-S)	2
31	2163120		BRACKET, STEERING DISCONNECT VALVE MOUNTING	1
32	07-003029		SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2
33	07-050015		NUT, HEX (5/16"-18)	2
34	07-062015		WASHER, FLAT (5/16")	2
35	03-064700		TIE, CABLE [14-1/2" long]	4

TITLE TOW PACKAGE, ELECTRIC EAGLE

PLATE NO. 14.07 SIMON AERIALS INC. NEW 02 NOV., 1992 PART NO. 3529220



Art # A14.07001E

TITLE

TOW PACKAGE, ELECTRIC EAGLE

SIMON AERIALS INC.

NEW 02 NOV., 1992

PART
NO.

PLATE
NO.

14.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-210102		HOUSING, BRAKE ACTUATOR PISTON	1
2			REPAIR KIT, BRAKE ACTUATOR	
			Items in kit are identified by asterisk (*)	1
3			CUP	1
4			RING, BACKUP	1
5			*O*-RING	1
6	01-210105		RING, BACKUP	1
7			PISTON AND ROD ASSEMBLY	1
			PISTON, BRAKE ACTUATOR	1
8			ROD, PULL	1
9			RETAINER, SPRING	1
10			SPRING, INNER	1
11			SPRING, OUTER	1
12			STOP	1
13			HOUSING, SPRING CHAMBER	1
14			CAP, BRAKE ACTUATOR END	1
15			BOLT	3
16			WASHER	3
17	01-210104		NUT	2
18			VALVE, FLOW CONTROL	1
19			STREET ELBOW	1
20			BLEEDER	1
21			PLUG, VENT	1
22			BRACKET, BRAKE ACTUATOR MOUNTING	1

TITLE BRAKE ACTUATOR ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

PLATE
NO.

18.05

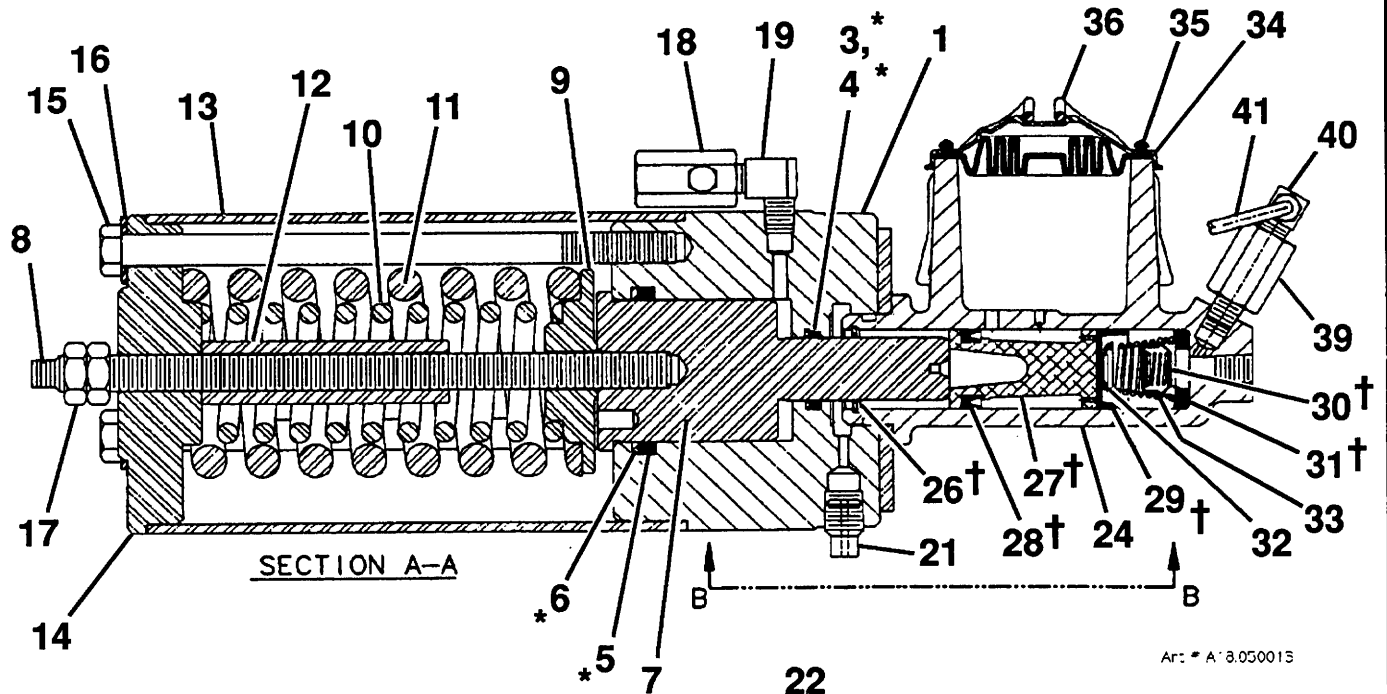
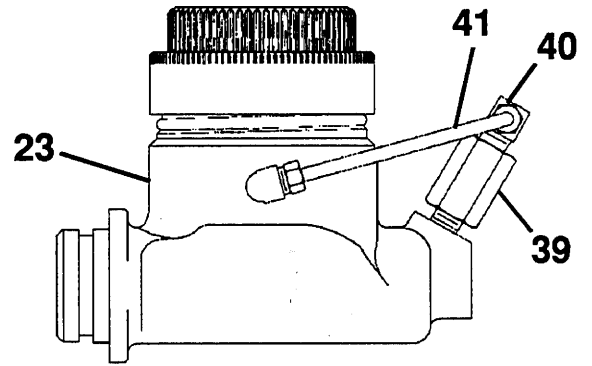
SIMON AERIALS INC.

REV. 14 APR., 1993

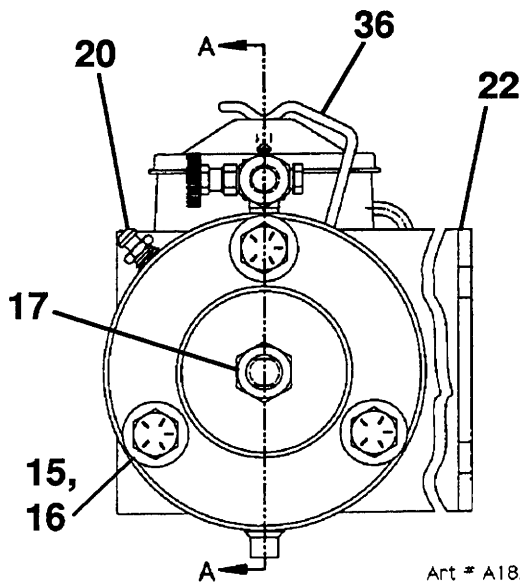
PART
NO.

01-210100

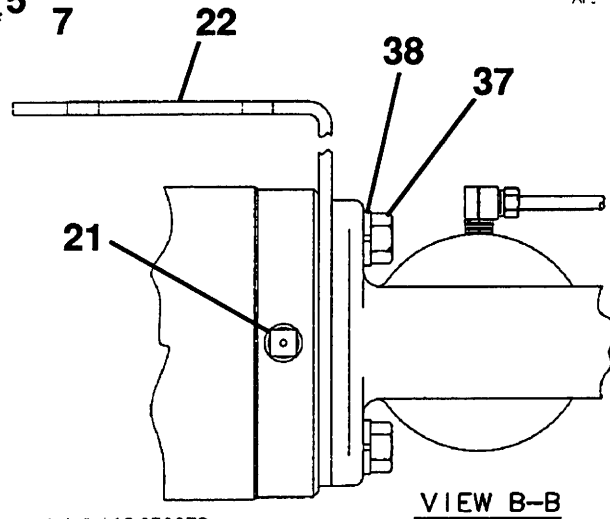
Second type Master Cylinder
(Item 23, shown at right) has a
"screw-on" cap. This style is a
direct replacement for the "Bail
Wire" style shown below.



Art # A 8.050015



Art # A18.050025



Art # A18.050035

TITLE BRAKE ACTUATOR ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 14 APR., 1993

PART
NO.

01-210100

PLATE
NO.

18.05

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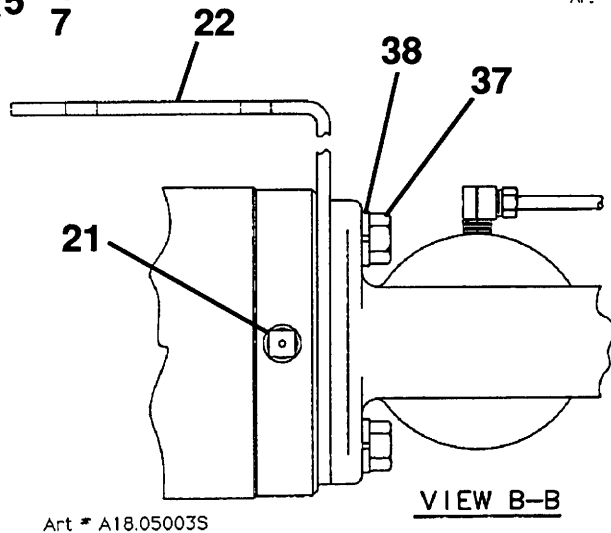
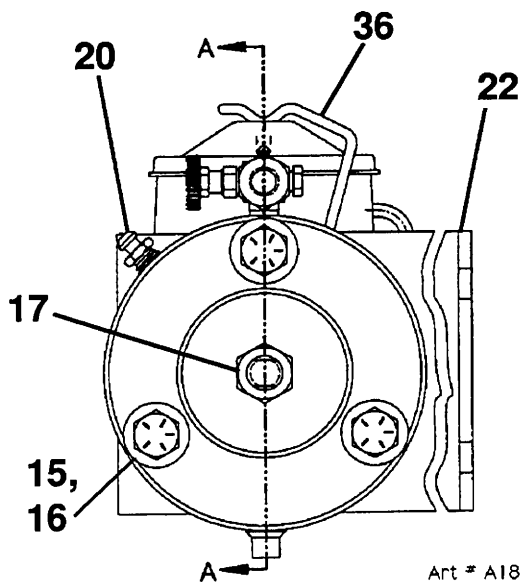
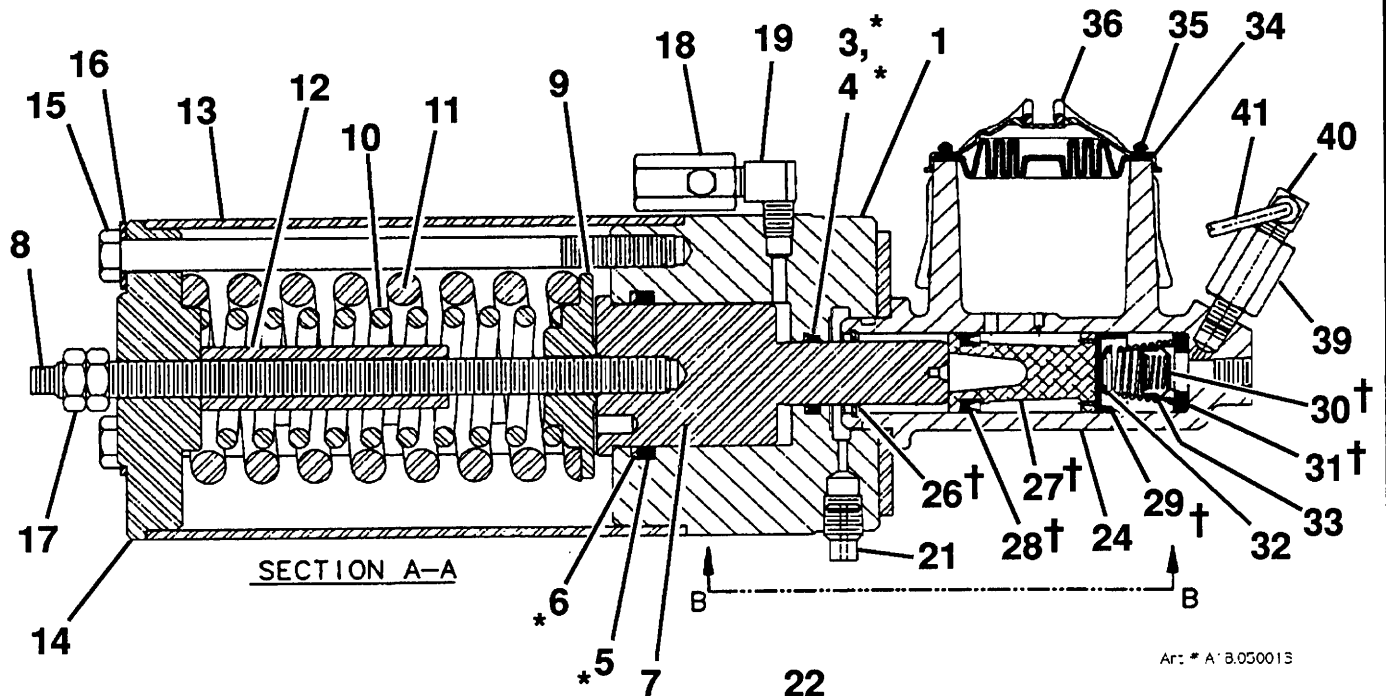
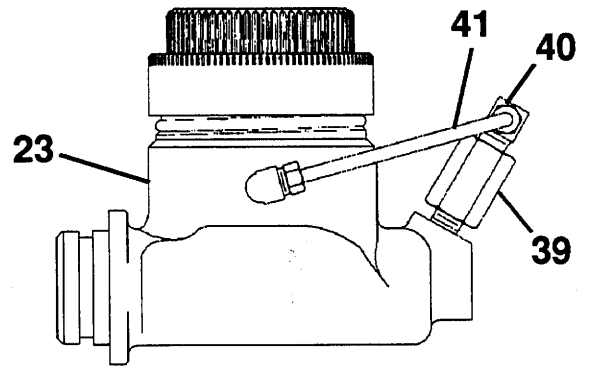
TITLE	BRAKE ACTUATOR ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)
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PLATE NO.	18.05	SIMON AERIALS INC.
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REV. 14 APR., 1993

PART NO. 01-210100

Second type Master Cylinder
(Item 23, shown at right) has a
"screw-on" cap. This style is a
direct replacement for the "Bail
Wire" style shown below.



TITLE BRAKE ACTUATOR ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 14 APR., 1993

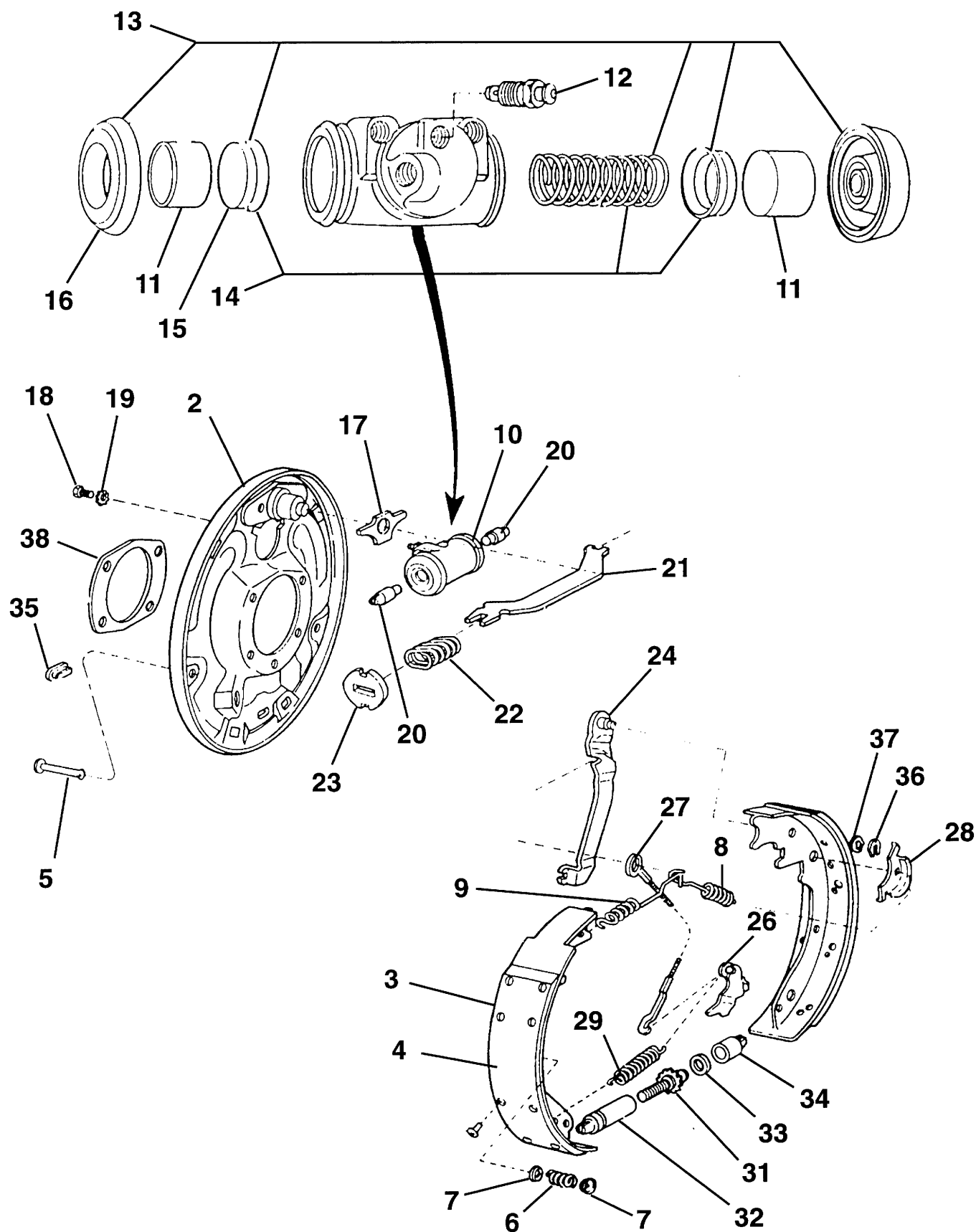
PART NO. 01-210100

PLATE NO. 18.05

[illegible]

REAR DRUM BRAKE ASSEMBLY (PLATE 1 OF 3)

PART
NO.



TITLE

REAR DRUM BRAKE ASSEMBLY (PLATE 1 OF 3)

SIMON AERIALS INC.

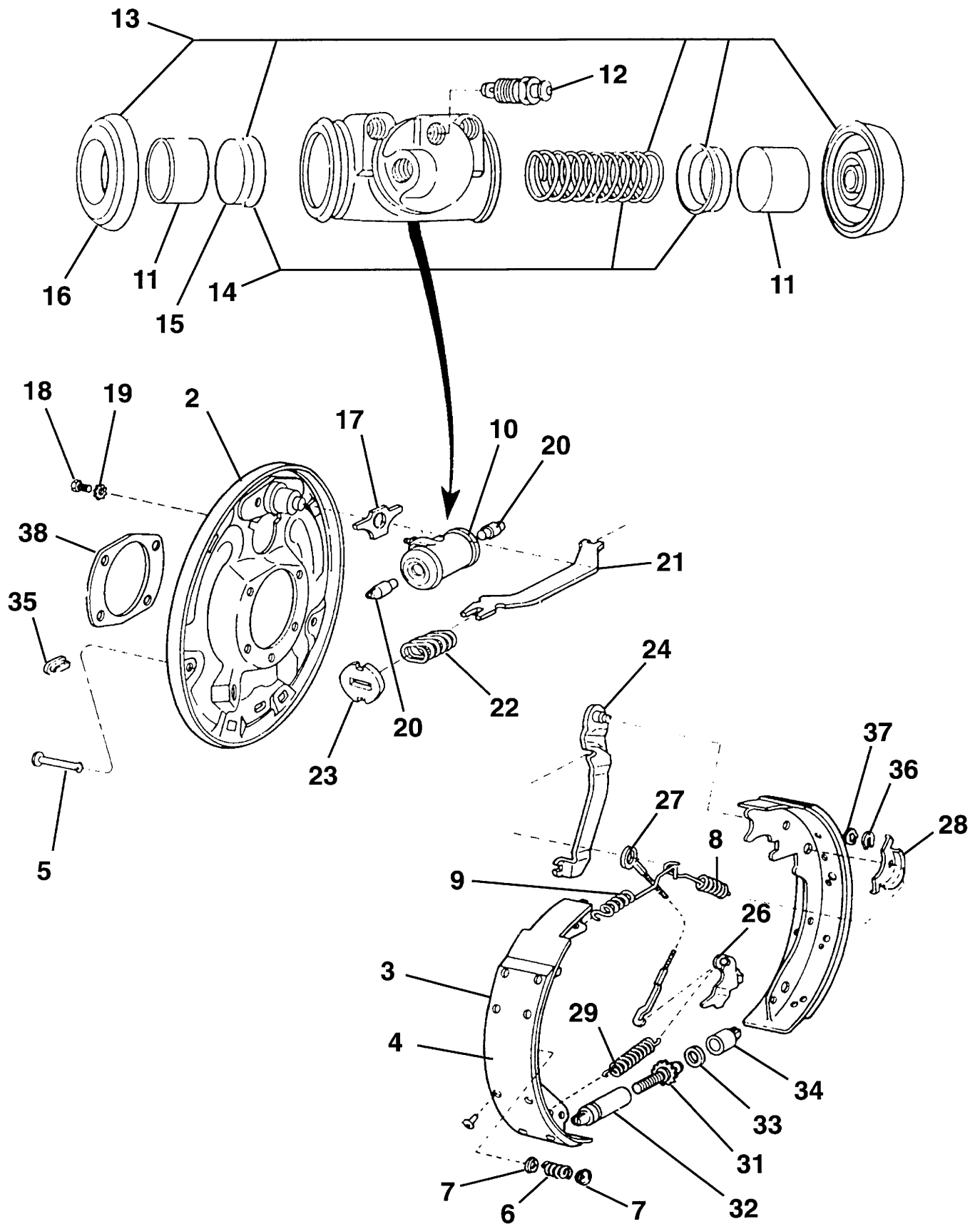
REV. 04 JAN., 1996

PART
NO.

PLATE
NO.

18.06

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
10			CYLINDER ASSEMBLY, WHEEL for models that actuate brakes with hydraulic fluid from main system (If unsure, consult factory, give model & S/N):	1
			⚠ WARNING	
			USE OF A WHEEL CYLINDER MADE FOR USE WITH DOT-3 BRAKE FLUID ON A SYSTEM USING HYDRAULIC FLUID WILL CAUSE RAPID SYSTEM CONTAMINATION AND FAILURE.	
	55-000210		Right hand (earlier versions were listed as 02-022252)	
	55-000211		Left hand (earlier versions were listed as 02-022251) for models that actuate brakes with DOT-3 brake fluid from a separate system (If unsure, consult factory):	
	02-022268		Right hand	
	02-022269		Left hand	
11	02-022246		PISTON, WHEEL CYLINDER	2
12	02-022248		SCREW, WHEEL CYLINDER BLEED	1
13			WHEEL CYLINDER REPAIR KIT	1
			⚠ WARNING	
			USE OF A REPAIR KIT MADE FOR USE WITH DOT-3 BRAKE FLUID ON A SYSTEM USING HYDRAULIC FLUID WILL CAUSE RAPID SYSTEM CONTAMINATION AND FAILURE.	
			Note: Use of a repair kit made for use with hydraulic fluid on a system using DOT-3 brake fluid is acceptable .	
	02-022261		for use with hydraulic fluid	
	02-022267		for use with DOT-3 brake fluid only	
14	02-022260		EXPANDER AND SPRING ASSEMBLY	1
15			CUP, WHEEL CYLINDER (.938" [23.8 mm] dia.)	2
	01-095000		Special, for use with hydraulic fluid . Simon part number is molded into cup	
	-----		For use with DOT-3 brake fluid only (Not available separately. Can use 01-095000.)	
16			BOOT, WHEEL CYLINDER	2
TITLE REAR DRUM BRAKE ASSEMBLY (PLATE 2 OF 3)				
PLATE NO.	18.06	SIMON AERIALS INC.		PART NO.
			REV. 04 JAN., 1996	



TITLE

REAR DRUM BRAKE ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

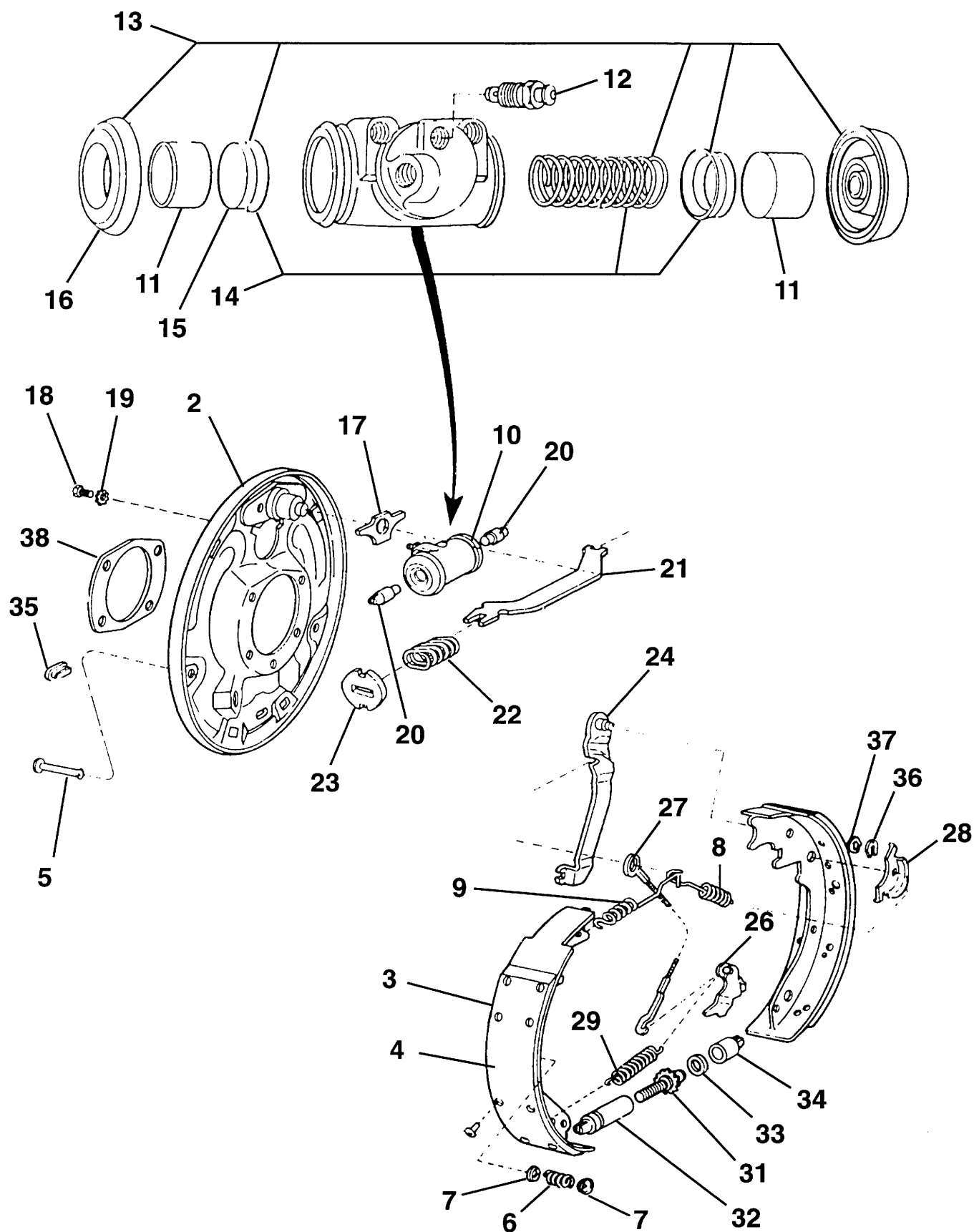
REV. 04 JAN., 1996

PART
NO.

PLATE
NO.

18.06

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
17	02-022233		PLATE, WHEEL CYLINDER MOUNTING	1
18			BOLT, BRAKE CYLINDER RETAINING	2
19			WASHER, BRAKE CYLINDER RETAINING	2
20	02-022237		LINK, WHEEL CYLINDER	2
21			STRUT, PARKING BRAKE	1
	02-022256		Right hand	
	02-022257		Left hand	
22	02-022253		SPRING, STRUT	1
23	02-022258		RETAINER	1
24			LEVER, PARKING BRAKE	1
	02-022254		Right hand	
	02-022255		Left hand	
25	02-022245		LEVER KIT, ADJUSTER	1
26			LEVER	1
27			CABLE ASSEMBLY (must be discarded)	1
28			GUIDE, CABLE	1
29	02-022238		SPRING, ADJUSTER	1
30			SCREW KIT, ADJUSTER	
	02-022235		Right hand	1
	02-022236		Left hand	1
31			SCREW, ADJUSTER	1
32			SOCKET, ADJUSTER (threaded)	1
33	02-022259		WASHER	1
34			SOCKET, ADJUSTER (non-threaded)	1
35	02-022241		COVER	1
36	02-022242		RETAINER, LEVER PIN	1
37	02-022243		WASHER, SPRING	1
38	02-022264		GASKET	1
TITLE REAR DRUM BRAKE ASSEMBLY (PLATE 3 OF 3)				
PLATE NO.	18.06	SIMON AERIALS INC.		PART NO.
		REV. 04 JAN., 1996		



TITLE

REAR DRUM BRAKE ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 04 JAN., 1996

PART
NO.

PLATE
NO.

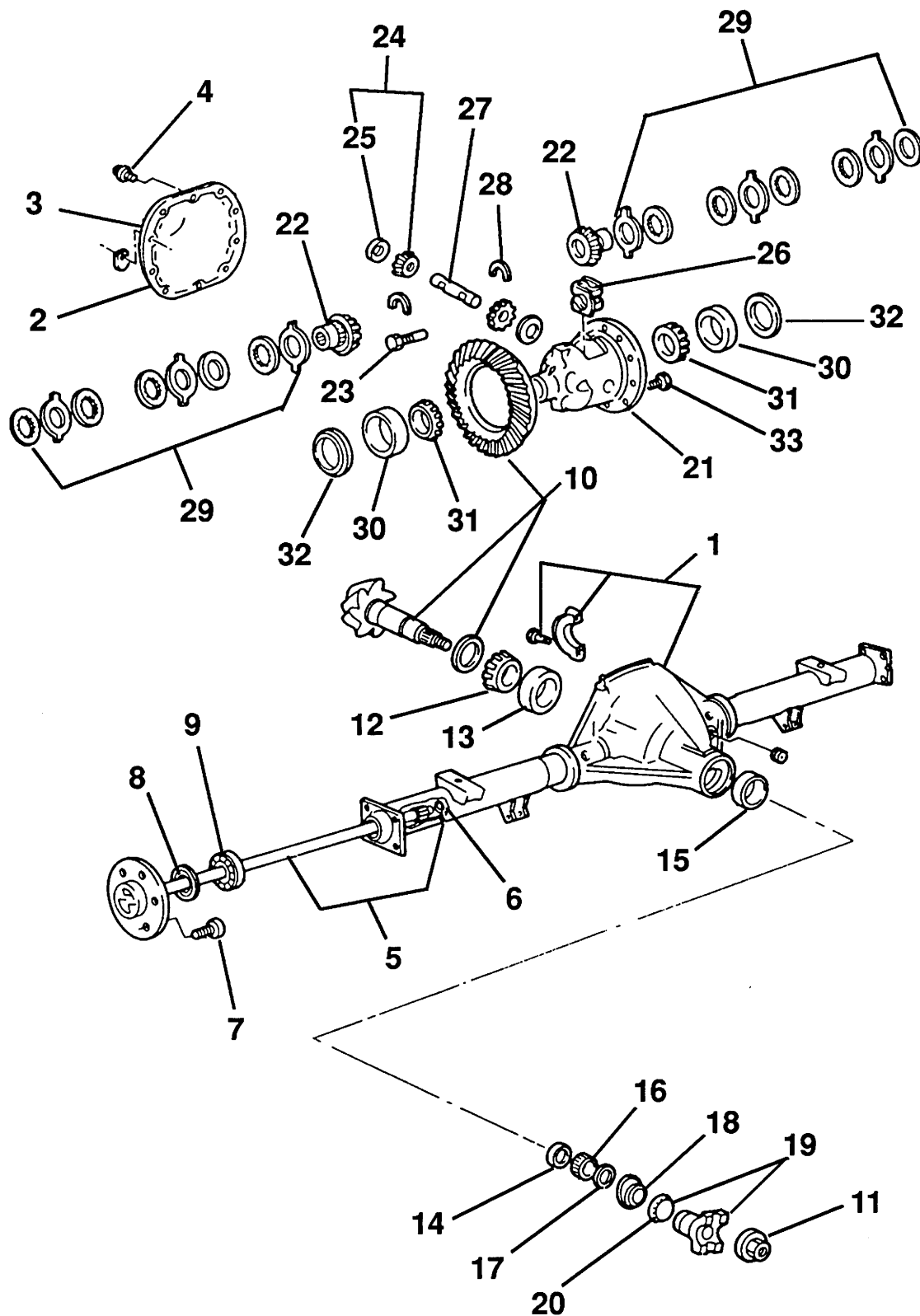
18.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-022217		HOUSING ASSEMBLY, AXLE	1
2	02-022230		COVER, DIFFERENTIAL HOUSING	1
3	02-022229		SEALANT, RTV (Ford #D6AZ 19562-ba or equivalent)	A.R.
4	02-022231		BOLT, DIFFERENTIAL HOUSING COVER	10
5	02-022201		AXLE SHAFT ASSEMBLY (includes "O"-Ring) (Right)	1
	02-022202		AXLE SHAFT ASSEMBLY (includes "O"-Ring) (Left)	1
6	02-022203		"O"-RING, AXLE SHAFT	1
7	02-022211		BOLT, WHEEL LUG	A.R.
8	02-022212		SEAL, OUTER WHEEL BEARING OIL	2
9	02-022213		BEARING ASSEMBLY, WHEEL (Outer)	2
10	02-022216		GEAR SET, AXLE RING AND PINION (3.55:1)	1
11			NUT, LOCK	1
12	02-022215		CONE AND ROLLER, PINION BEARING (Rear)	1
13	02-022214		CUP, PINION BEARING (Rear)	1
14	02-022205		SPACER, PINION BEARING	1
15	02-022204		CUP, PINION BEARING (Front)	1
16	02-022206		CONE AND ROLLER, PINION BEARING (Front)	1
17	02-022207		SEAL, PINION SHAFT OIL	1
18	02-022208		SLINGER, PINION SHAFT OIL	1
19	02-022209		FLANGE ASSEMBLY, YOKE (includes deflector)	1
20	02-022210		DEFLECTOR, OIL SEAL	1
21	02-022221		CASE, DIFFERENTIAL	1
22	02-022224		GEAR, AXLE SHAFT	2
23	02-022225		PIN, DIFFERENTIAL PINION SHAFT LOCK	1
24	02-022226		PINION KIT, DIFFERENTIAL (incl. 2 gears and 2 washers)	1
25	02-022228		WASHER, PINION	2
26	02-022222		CLUTCH, DIFFERENTIAL SPRING	1
27	02-022227		SHAFT, DIFFERENTIAL PINION	1
28	02-022232		"U"-WASHER	2
29	02-022223		DISC KIT, DIFFERENTIAL (one kit needed per axle side)	2
30	02-022218		CUP, DIFFERENTIAL BEARING	2
31	02-022219		CONE AND ROLLER, DIFFERENTIAL BEARING	2
32			SHIM, DIFFERENTIAL BEARING ADJUSTMENT	A.R.
33	02-022220		BOLT, RING GEAR	10
34	See plate...	18.06	BRAKE ASSEMBLY, REAR DRUM (not shown)	2
			The following items are not part of Axle Assembly 2194640:	
35	02-022266		NUT, WHEEL LUG (not shown)	12

TITLE REAR AXLE ASSEMBLY, ELECTRIC EAGLE

PLATE NO. 19.07 SIMON AERIALS INC. NEW 15 OCT., 1992 PART NO. 2194640



TITLE

REAR AXLE ASSEMBLY, ELECTRIC EAGLE

SIMON AERIALS INC.

NEW 15 OCT., 1992

PART
NO.

2194640

PLATE
NO.

19.07

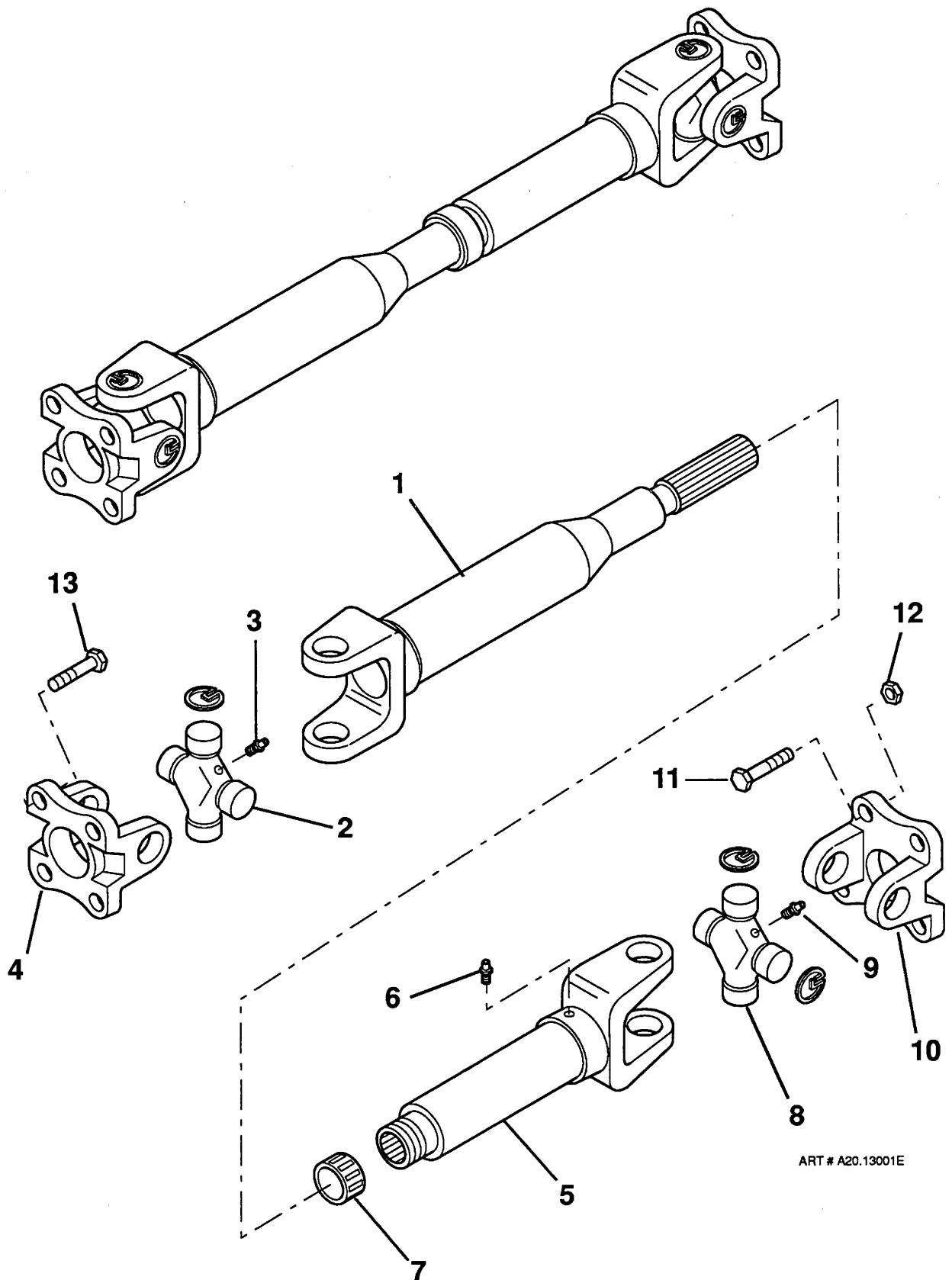
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DRIVE SHAFT

SIMON AERIALS INC.

REV. 10 SEP., 1993

PART NO. 02-036400



ART # A20.13001E

TITLE

DRIVE SHAFT

SIMON AERIALS INC.

REV. 10 SEP., 1993

PART
NO.

02-036400

PLATE
NO.

20.13

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

ROTARY ACTUATOR

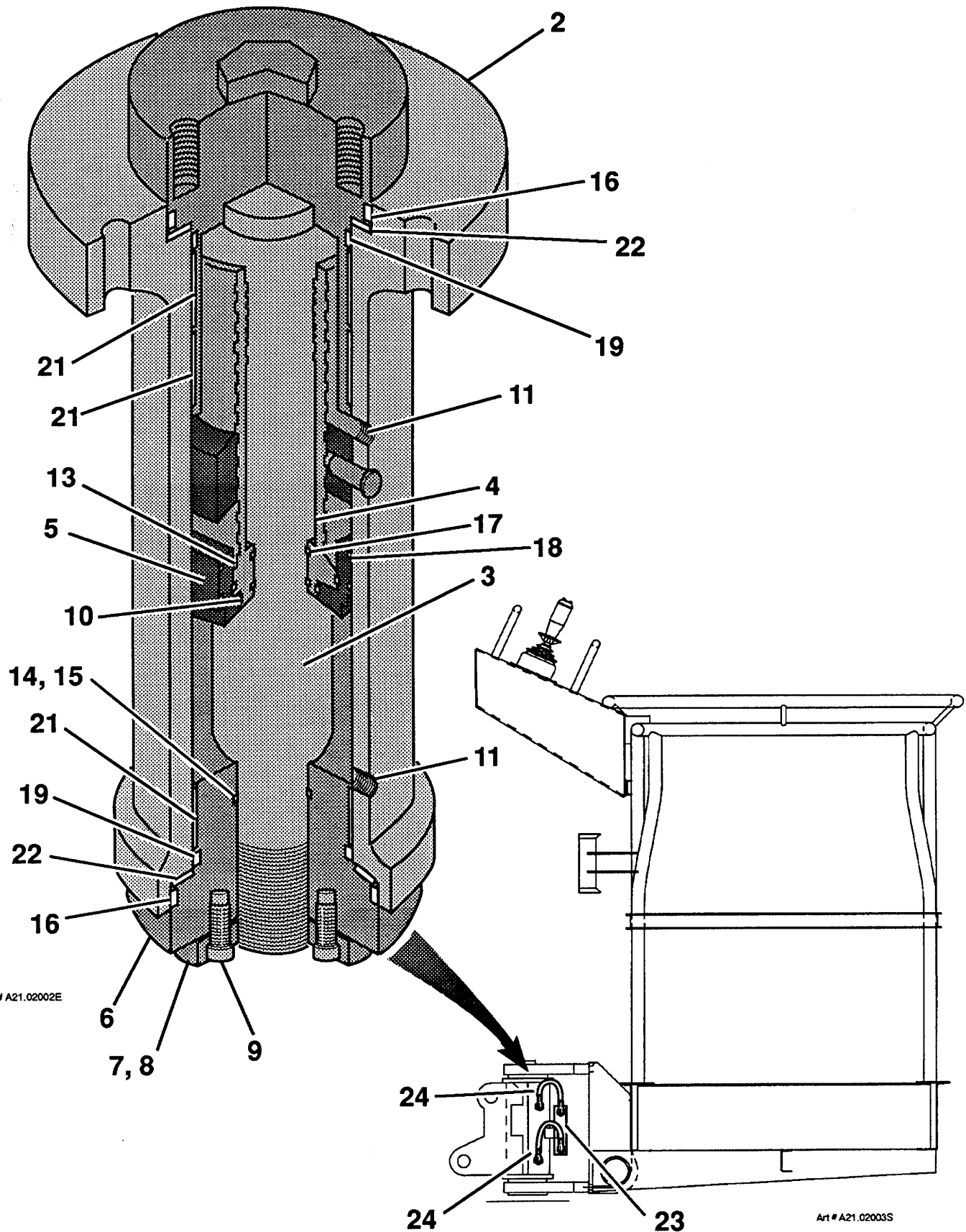
21.02

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-023700



TITLE

ROTARY ACTUATOR

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-023700

PLATE
NO.

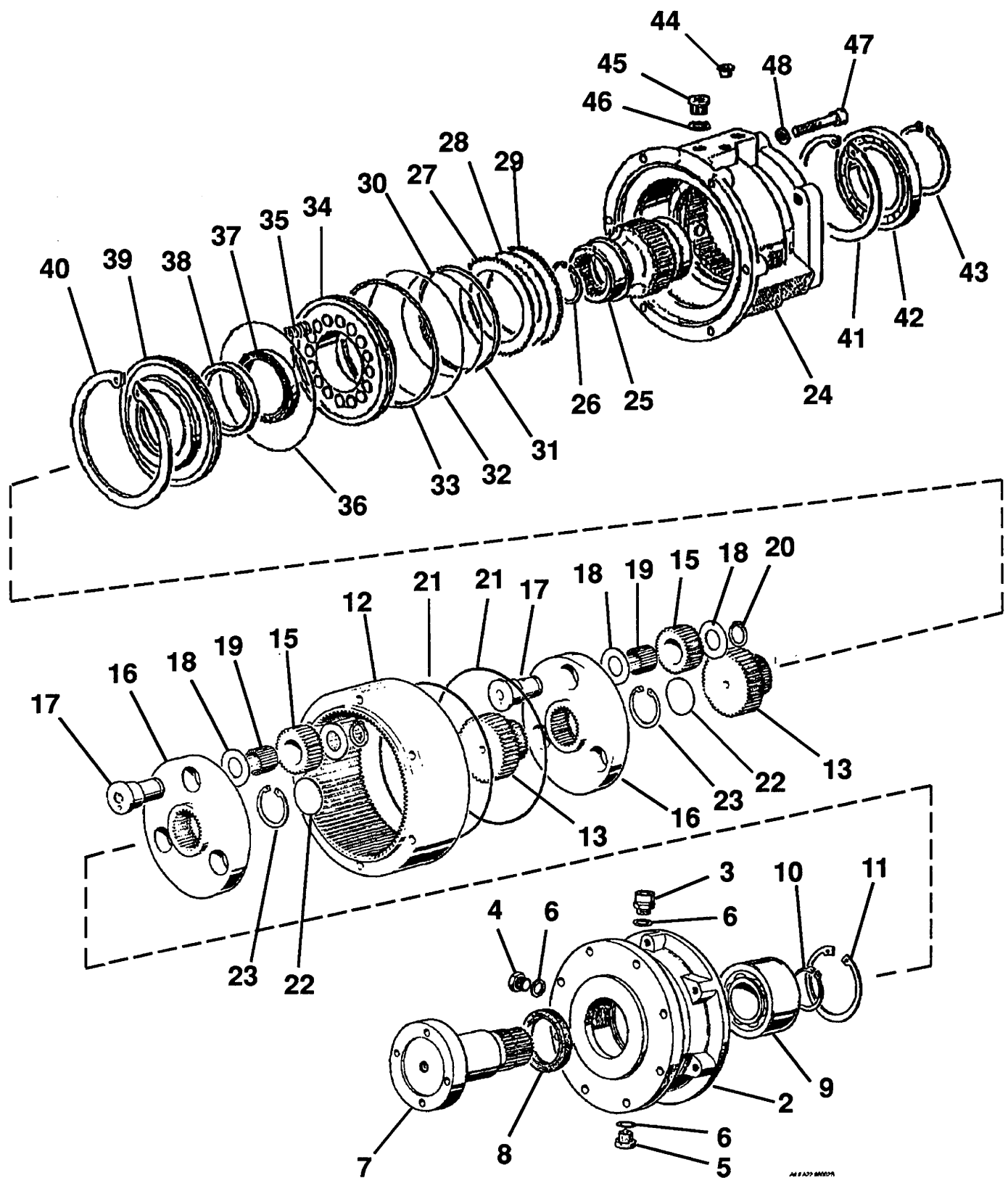
21.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-036300		SPEED REDUCER WITH BRAKE (NOTE: can be identified by the number "ED 2010 " appearing on the nameplate.)	1
2	02-036307		HOUSING, OUTPUT	1
3			PLUG, BREATHER (1/4")	1
4			PLUG, OIL FILLER (1/4") (Sight plug)	1
5			PLUG, DRAIN (1/4", Magnetic)	1
6			WASHER (1/4")	3
7	02-036302		SHAFT, OUTPUT (flanged)	1
8	02-036304		SEAL, OIL (50 mm I.D. x 65 mm O.D. x 8 mm thick)	1
9	02-036303		BEARING	1
10	02-036306		RING, EXTERNAL SNAP (40 mm)	1
11	02-036305		RING, INTERNAL SNAP (80 mm)	1
12	02-036308		RING GEAR, INTERNAL TOOTH (Dual stage)	1
13			GEAR, SUN (Central pinion)	2
14			PLANETARY ASSEMBLY	2
15			GEAR, PLANET	3
16			CARRIER, PLANET GEAR	1
17			PIN, PLANET GEAR	3
18			WASHER, THRUST	6
19			NEEDLE	84
20			RING, EXTERNAL SNAP (20 mm)	3
21	02-036309		O-RING	2
22			WASHER, THRUST	2
23			RING, INTERNAL SNAP (32 mm)	2

TITLE SPEED REDUCER ,WITH BRAKE (PLATE 1 OF 2)

PLATE NO. 22.08 SIMON AERIALS INC. NEW 13 APR., 1993 PART NO. 02-036300



TITLE

SPEED REDUCER ,WITH BRAKE (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 13 APR., 1993

PART
NO.

02-036300

PLATE
NO.

22.08

[illegible]

PLATE NO.	22.08	SIMON AERIALS INC.	NEW 13 APR., 1993	PART NO.	02-036300
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NEW 13 APR., 1993

PART NO. 02-036300

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3528120		CONTROL VALVE ASSEMBLY (Model 32/21)	1
	3529160		CONTROL VALVE ASSEMBLY (Model 41/24)	1
1	01-208800		MANIFOLD, HYDRAULIC	1
2			BLOCK, VALVE	1
3	01-208801		VALVE, RELIEF (RV1 . . . Steer cylinder, base end)	1
			(1,300 PSI) (89.6 Bar) (91.4 kg/ cm ²)	1
4	01-086812		SEAL KIT (for Relief valve RV1)	1
5	01-208802		VALVE, RELIEF (RV2 . . . Steer cylinder, rod end)	1
			(1,600 PSI) (110.3 Bar) (112.5 kg/ cm ²)	1
6	01-086812		SEAL KIT (for Relief valve RV2)	1
7	01-086809		VALVE, 3 WAY SOLENOID (SV1 . . . Ground/ Platform)	1
8	01-208809		SEAL KIT (for 3 way solenoid valve SV1)	1
9	01-208805		COIL, SOLENOID (48 Volt DC)	1
10	01-208803		VALVE, 4 WAY SOLENOID (SV2 . . . Steer function)	1
11	01-208810		SEAL KIT (for 4 way solenoid valve SV2)	1
12	01-208805		COIL, SOLENOID (48 Volt DC)	2
13	01-086807		VALVE, 2 WAY SOLENOID (SV5 . . . Ground pressure)	1
14	01-086808		SEAL KIT (for 2 way solenoid valve SV5)	1
15	01-208805		COIL, SOLENOID (48 Volt DC)	1
16	01-208806		VALVE, PRESSURE REDUCING (PR . . . Brake circuit)	1
			(1,500 PSI) (103.4 Bar) (105.5 kg/ cm ²)	1
17	01-208811		SEAL KIT (for Pressure reducing valve PR)	1
18	01-086804		VALVE, 2 WAY SOLENOID (SV3 . . . Brake circuit)	1
19	01-086812		SEAL KIT (for 2 way solenoid valve SV3)	1
20	01-208805		COIL, SOLENOID (48 Volt DC)	1
21	01-208804		VALVE, 2 WAY SOLENOID (SV4 . . . Brake circuit)	1
22	01-086808		SEAL KIT (for 2 way solenoid valve SV4)	1
23	01-208805		COIL, SOLENOID (48 Volt DC)	1
24	01-086815		VALVE, CHECK (CV1) (CV2)	2
25	01-086812		SEAL KIT (for Check valves CV1 and CV2)	2
26	01-208808		VALVE, 4 WAY DIVERTER (MP1)	1
27	01-208813		SEAL KIT (for Diverter valve MP1)	1
28	01-219000		VALVE, BRAKE RELEASE (NV1) (with knurled knob)	1
			(Also replaces earlier type with push-pull handle)	1
29	01-086808		SEAL KIT (for Brake release valve NV1)	1

TITLE CONTROL VALVE ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

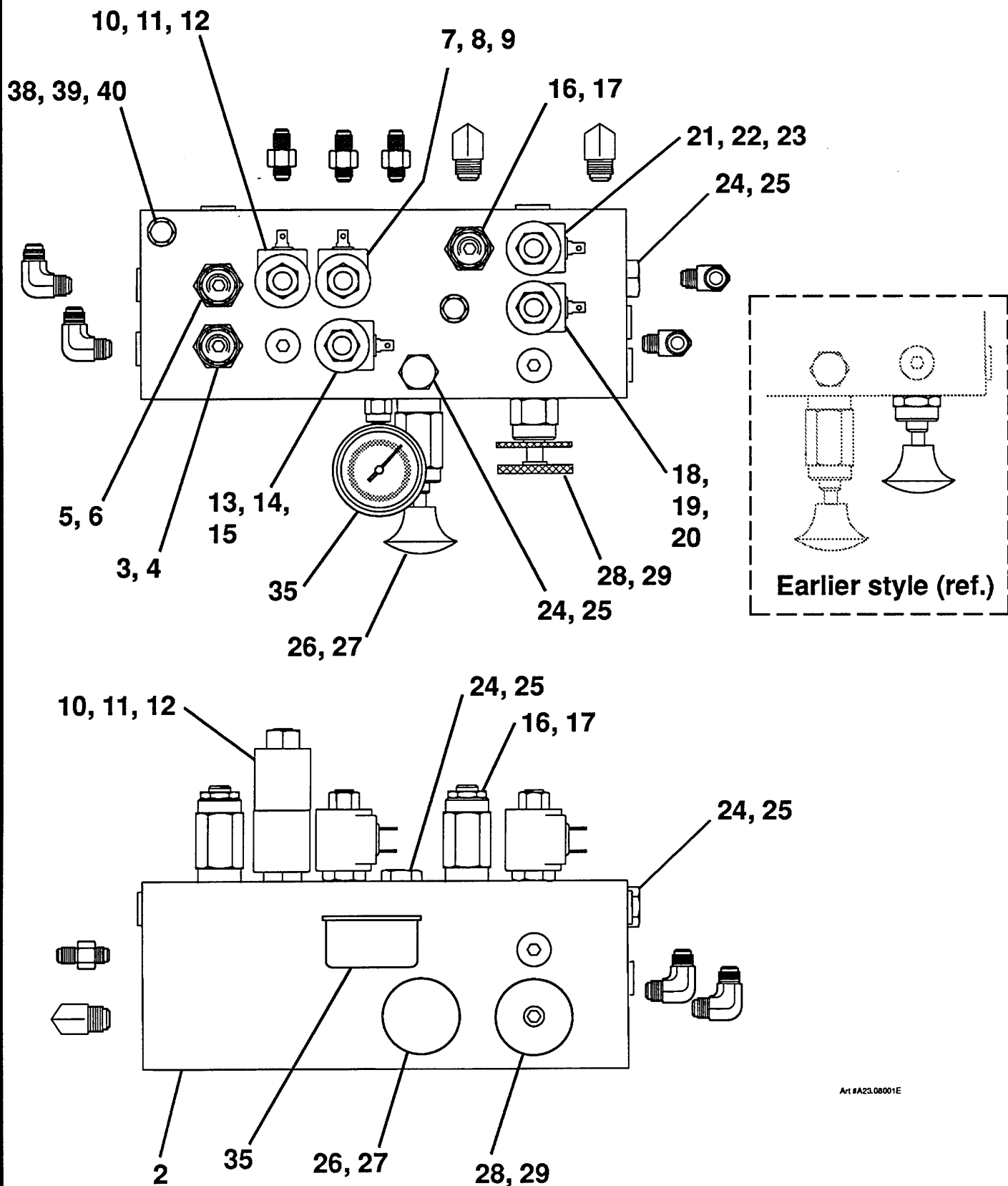
PLATE NO.

23.08

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART NO.



TITLE CONTROL VALVE ASSEMBLY, ELECTRIC EAGLE (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART
NO.

PLATE
NO.

23.08

PARTS LIST

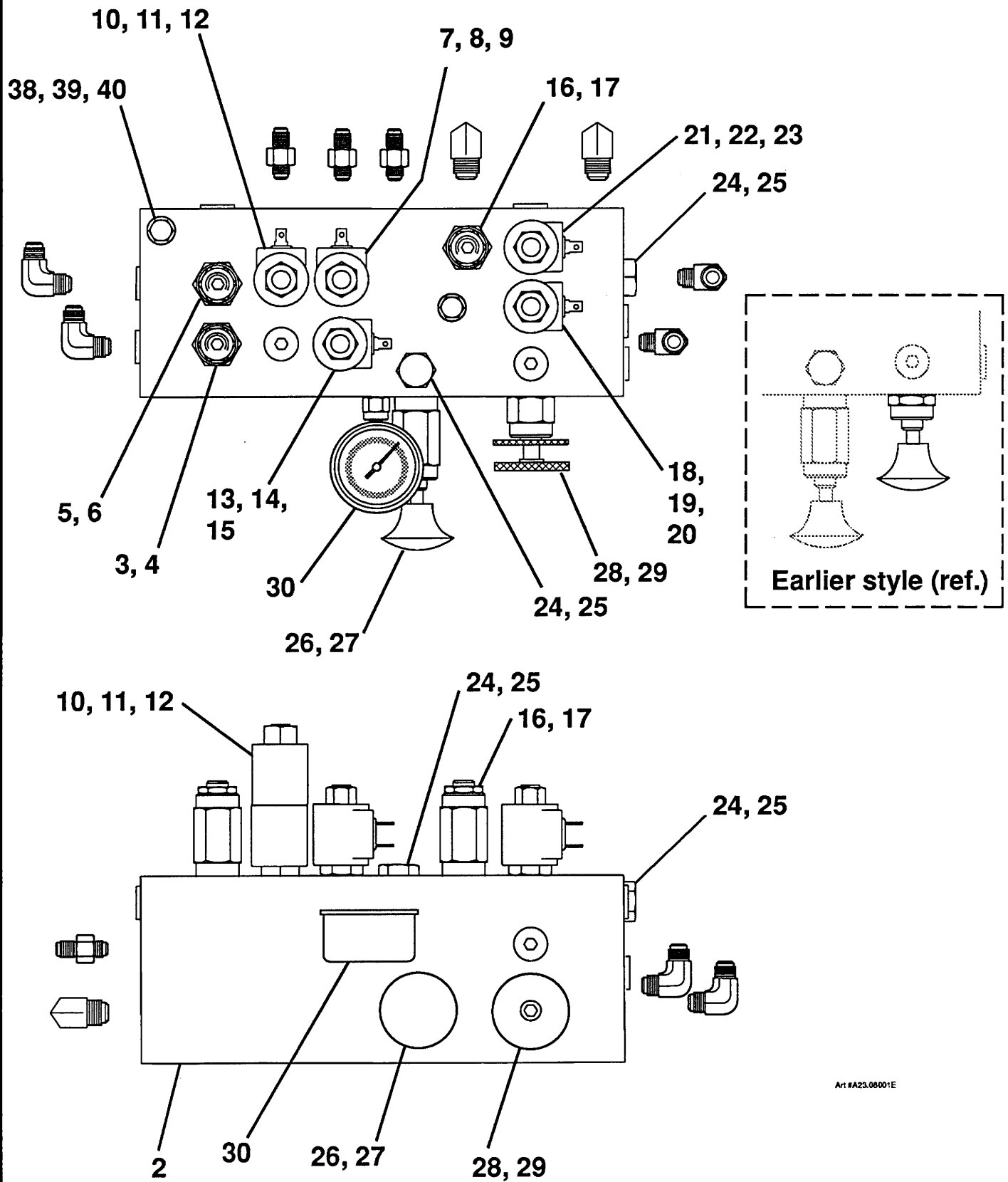
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TITLE CONTROL VALVE ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)

PLATE NO.	23.08	SIMON AERIALS INC.
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NEW 29 SEP., 1992

**PART
NO.**



Art #A23.08001E

TITLE CONTROL VALVE ASSEMBLY, ELECTRIC EAGLE (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 29 SEP., 1992

PART
NO.

PLATE
NO.

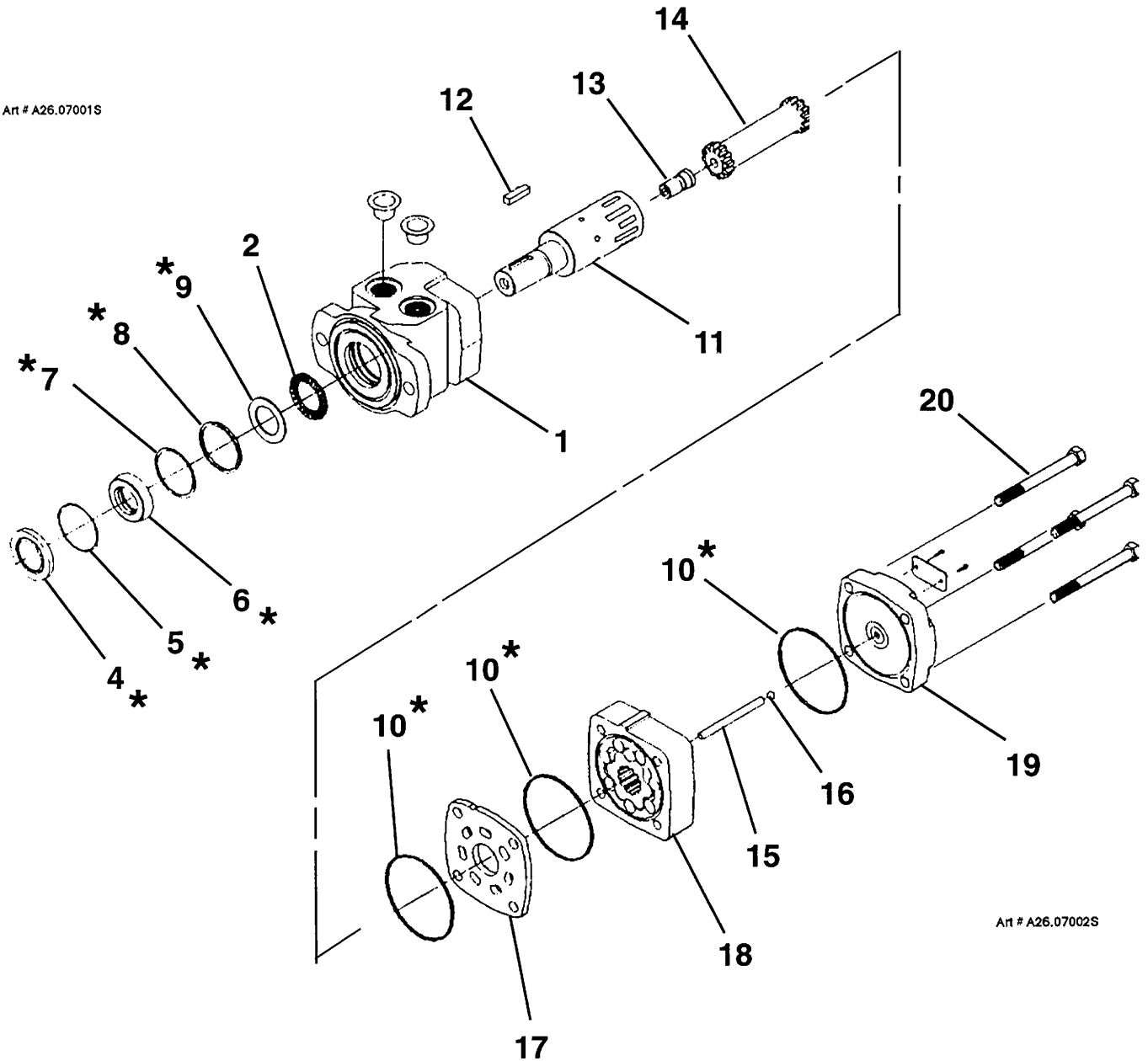
23.08

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SWING MOTOR

01-210200

Art # A26.07001S



Art # A26.07002S

TITLE

SWING MOTOR

SIMON AERIALS INC.

NEW 06 OCT., 1992

PART
NO.

01-210200

PLATE
NO.

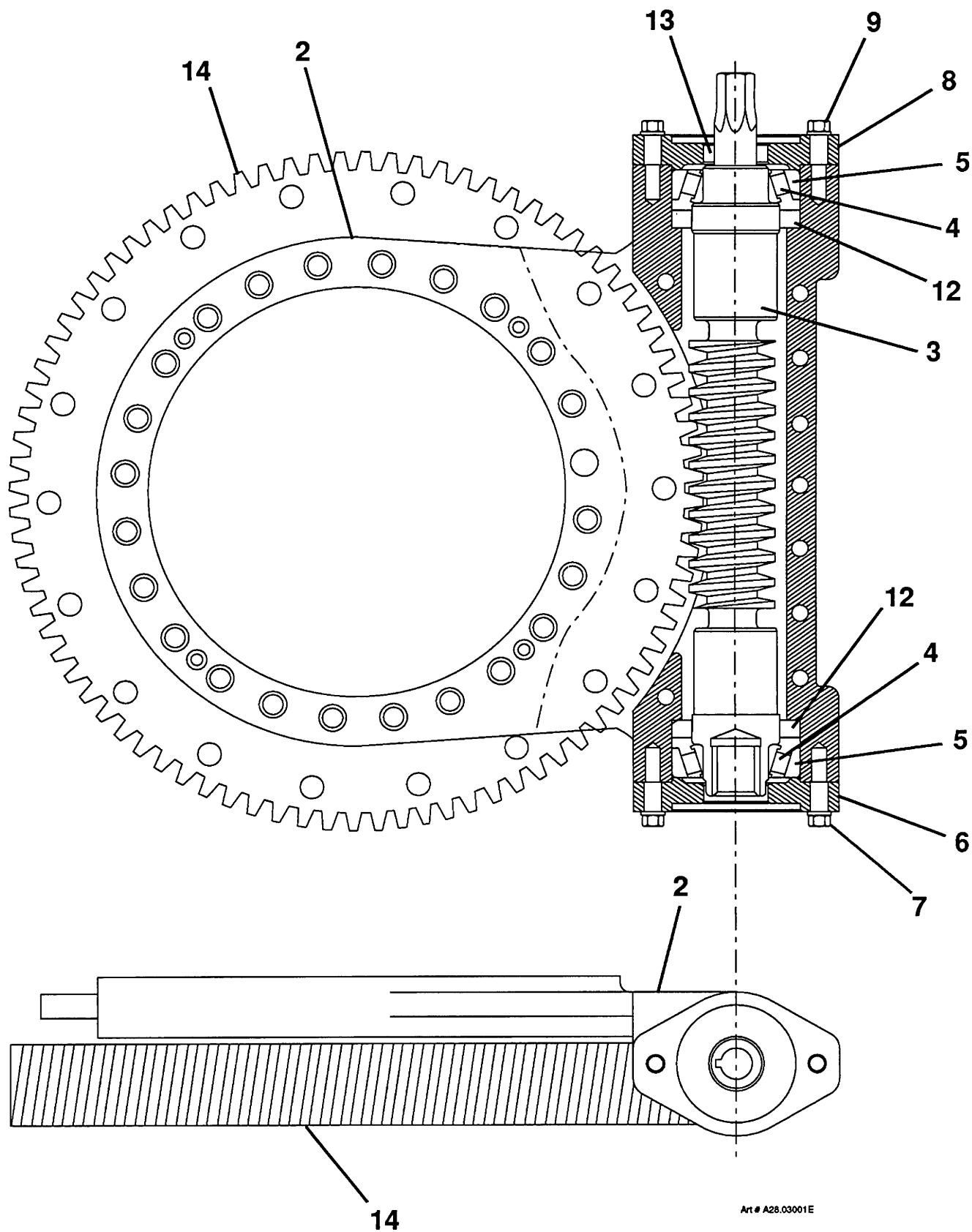
26.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	08-068600		SWING REDUCER ASSEMBLY (Type 1) Note: The Electric Eagle "Type 1" swing reducer can be identified by the bearing which is separate from the gearbox assembly. "Type 1" was used on: Model 32/21 , Serial No's. through DBA 00128, Model 41/24 , Serial No's. through DDA 00111, Model 41/24 , Serial No's. DDA 00113 through 120, Model 41/24 , Serial No's. DDA 00122 through 124. For "Type 2" swing reducer, see plate 28.04.	
2			BASE, SWING REDUCER	1
3	08-068602		SHAFT, WORM	1
4	08-068603		CONE AND ROLLER, BEARING	2
5	08-068604		CUP, BEARING	2
6			FLANGE, MOTOR END	1
7			CAP SCREW, HEX HEAD (Motor end)	2
8			FLANGE, HEX END	1
9			CAP SCREW, HEX HEAD (Hex end)	2
10	08-068601		SHIM AND SEAL SET	1
11			SHIM [.003" (.076 mm) thick]	1
			SHIM [.007" (.178 mm) thick]	2
			SHIM [.020" (.508 mm) thick]	3
12			SEAL, BEARING	2
13			SEAL, SHAFT	1
			The following items are not part of Swing Reducer Assembly 08-068600:	
14	08-068500		SWING BEARING ASSEMBLY	1
15	01-210200	26.07	MOTOR, HYDRAULIC [10 c.i. (163.9 c.c.)]	1
16	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	2
17	07-062016		WASHER, FLAT (3/8" SAE)	2
18	07-065016		WASHER, HELICAL LOCK (3/8")	2
19	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R.

TITLE SWING REDUCER ASSEMBLY (TYPE 1), ELECTRIC EAGLE

PLATE NO.	28.03	SIMON AERIALS INC.	REV. 08 JAN., 1993	PART NO.	08-068600
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TITLE SWING REDUCER ASSEMBLY (TYPE 1), ELECTRIC EAGLE

SIMON AERIALS INC.

REV. 08 JAN., 1993

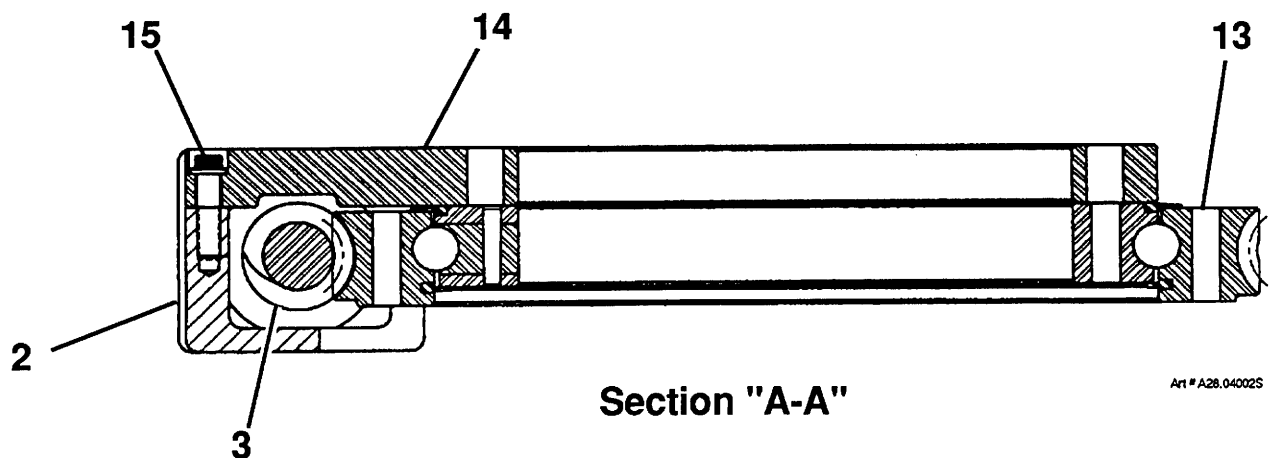
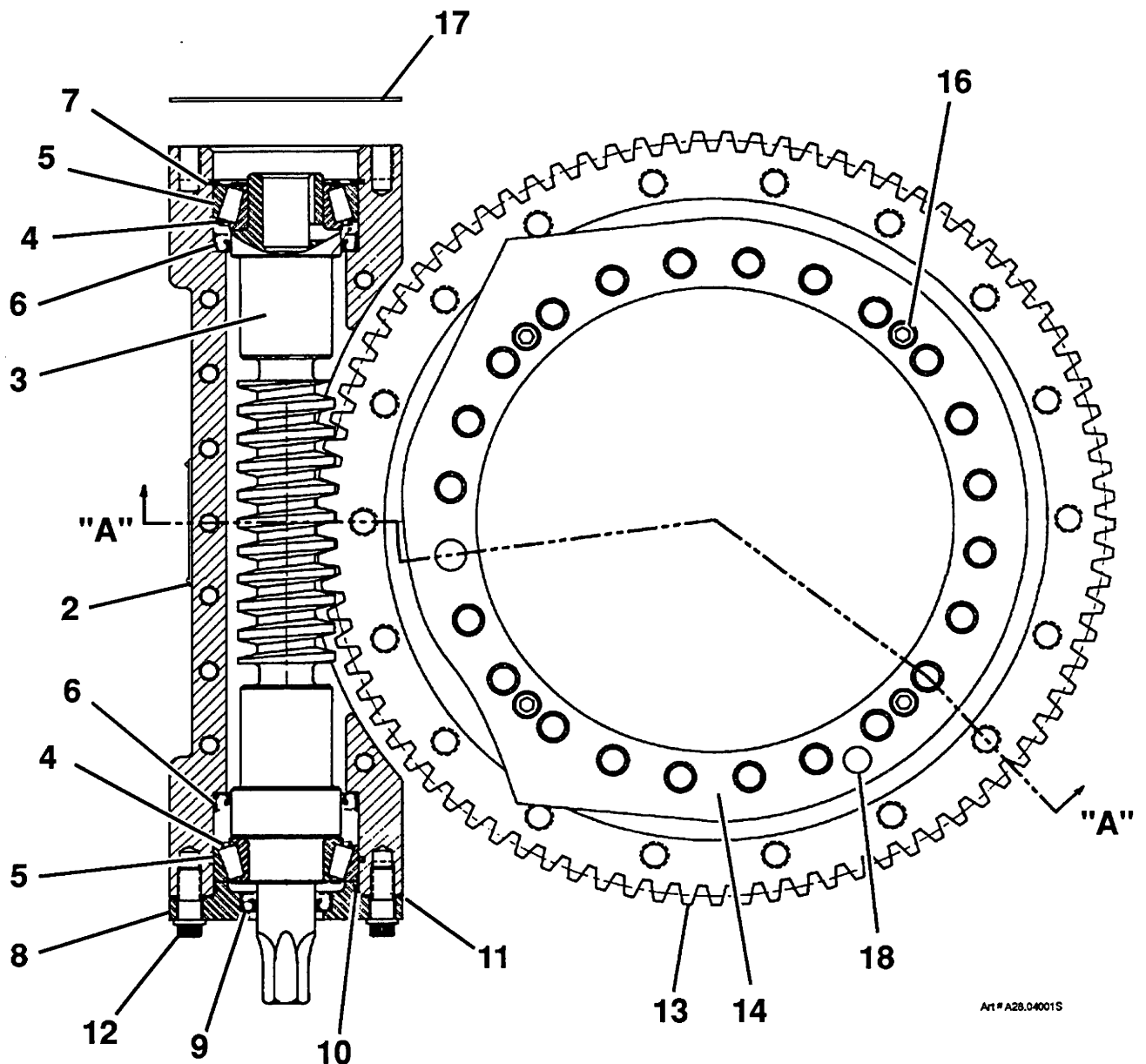
PART
NO.

08-068600

PLATE
NO.

28.03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	08-068700		SWING REDUCER ASSEMBLY (Type 2) Note: The Electric Eagle "Type 2" swing reducer can be identified by the bearing which is part of the gearbox assembly. "Type 2" was used on: Model 32/21 , Serial No's. DBA 00129 and later, Model 41/24 , Serial No. DDA 00112, Model 41/24 , Serial No. DDA 00121, Model 41/24 , Serial No's. DDA 00125 and later. For "Type 1" swing reducer, see plate 28.03.	
2	08-068711		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	08-068701		BEARING, ROTATION	1
14	08-068708		PLATE, SUPERSTRUCTURE MOUNTING	1
15	08-068713		CAP SCREW, FERRY (7/16"-14 x 1-1/2")	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 08-068700:	
19	01-210200	26.07	MOTOR, HYDRAULIC [10 c.i. (163.9 c.c.)]	1
20	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	2
21	07-062016		WASHER, FLAT (3/8" SAE)	2
22	07-065016		WASHER, HELICAL LOCK (3/8")	2
23	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R
TITLE SWING REDUCER ASSEMBLY (TYPE 2), ELECTRIC EAGLE				
PLATE NO.	28.04	SIMON AERIALS INC.		PART NO. 08-068700
REV. 08 JAN., 1993				



TITLE SWING REDUCER ASSEMBLY (TYPE 2), ELECTRIC EAGLE

SIMON AERIALS INC.

REV. 08 JAN., 1993

PART
NO.

08-068700

PLATE
NO.

28.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-453800		DRIVE CONTROLLER ASSEMBLY	1
2	03-453808		HOUSING, DRIVE CONTROLLER	1
3			GASKET, PANEL	1
4	03-426406		MACHINE SCREW, FILLISTER HEAD (#6-32 x 1/2")	4
5	03-453801		BLOCK, TERMINAL (3 terminal)	2
6			HANDLE ASSEMBLY	1
7			HUB, DRIVE CONTROLLER HANDLE	1
8	03-453804		PIN	1
9			EXTENSION, CONTROL HANDLE	1
10	03-027221		PIN, GROOVED	1
11	03-027215		SLIDE LOCK, CONTROL HANDLE	1
12	03-027219		SPRING, SLIDE LOCK	1
13			SLEEVE, HANDLE	1
14	03-426407		NUT, HEX	1
15	03-453802		GRIP ASSEMBLY, ROCKER SWITCH	1
16	03-453803		SWITCH ASSEMBLY	1
17			BOOT, ROCKER SWITCH	1
18			PIN, GROOVED	1
19			"O"- RING	1
20	03-027233		BEARING, LOW FRICTION	1
21	03-027232		GUIDE, SPRING	1
22	03-027234		SPRING, TORSION	1
23			SECTOR, GEAR	1
24			WASHER, FLAT (SAE)	1
25			MACHINE SCREW, HEX HEAD (#10-24 x 3/8")	1
26			PLATE, POTENTIOMETER MOUNTING	1
27			MACHINE SCREW, PAN HEAD (#4-40 x 3/8")	2
28			WASHER, LOCK	1
29	03-453806		NUT, HEX (3/8")	1
30			CAM, DIRECTIONAL	1
31			SET SCREW, HEX SOCKET	1
32			PLATE, FASTENER	1
33	03-037400		SPACER	2
34			SWITCH, ROLLER LEVER	2
35			WASHER, LOCK	2
36	03-453807		MACHINE SCREW, FILLISTER HEAD	2
			POTENTIOMETER (25 K Ohm)	1

TITLE

DRIVE CONTROLLER ASSEMBLY (JOY STICK)

PLATE
NO.

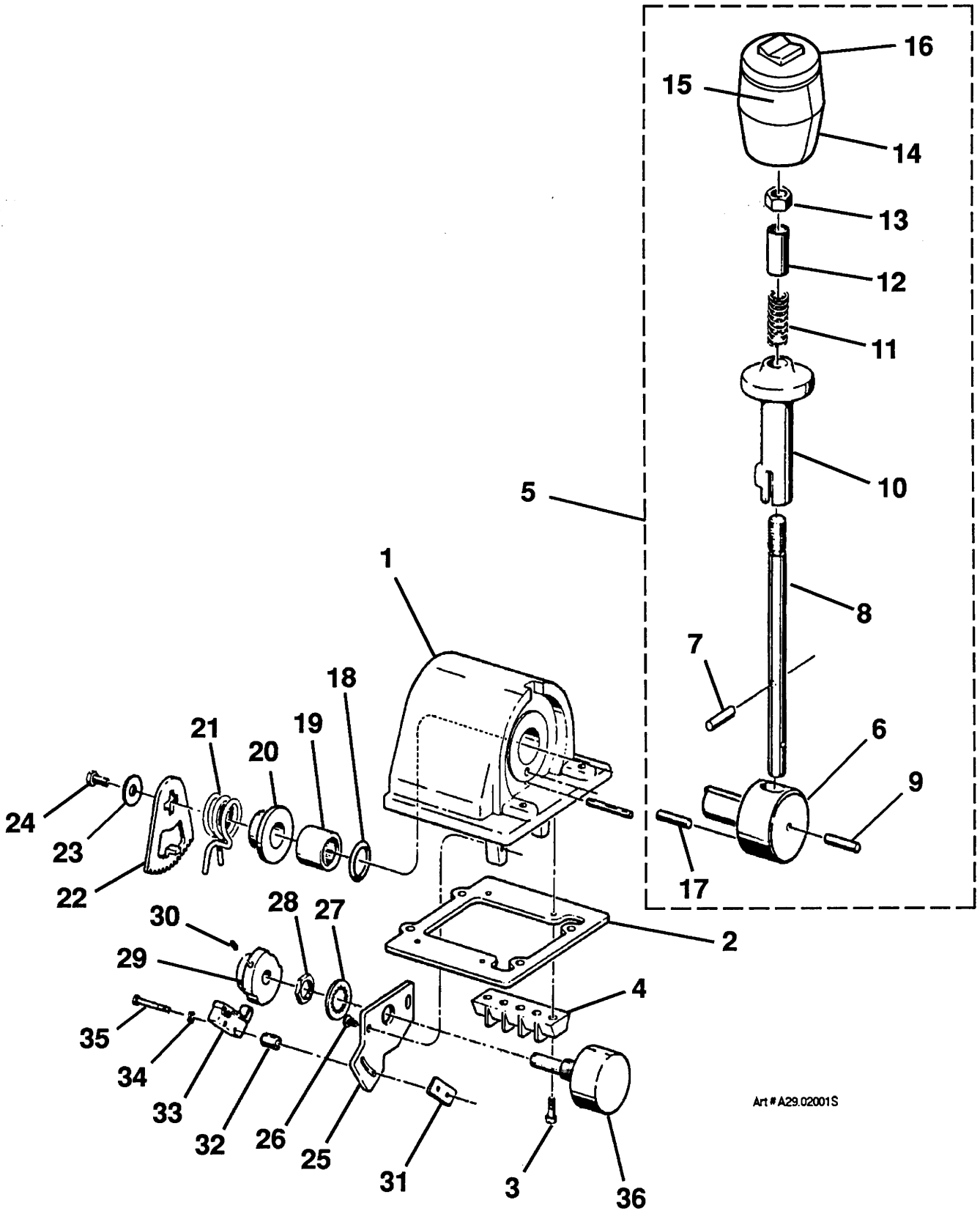
29.06

SIMON AERIALS INC.

NEW 23 APR., 1992

PART
NO.

03-453800



TITLE

DRIVE CONTROLLER ASSEMBLY (JOY STICK)

SIMON AERIALS INC.

NEW 23 APR., 1992

PART
NO.

03-453800

PLATE
NO.

29.06

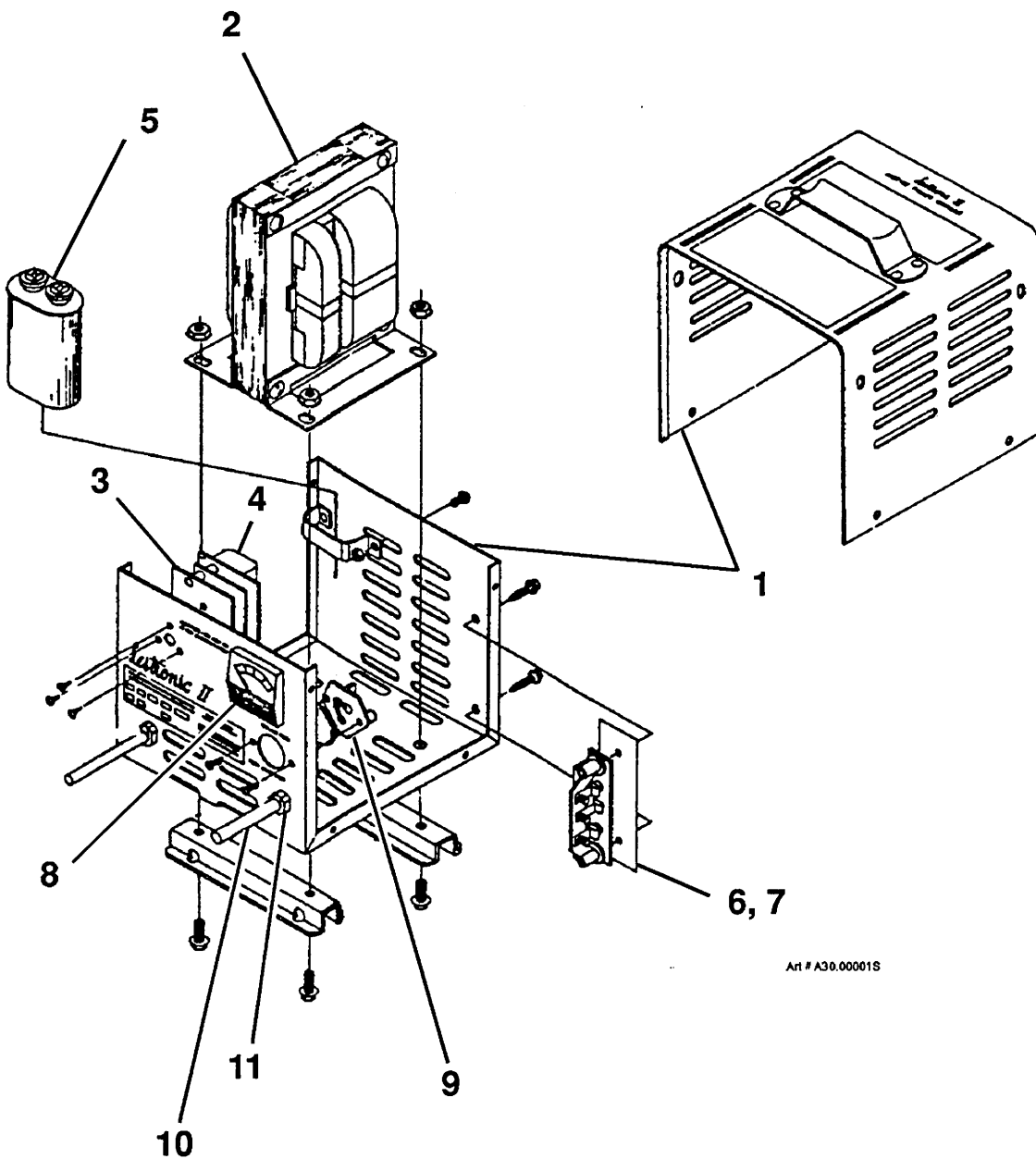
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TITLE		"EE" RATING PACKAGE, ELECTRIC EAGLE 41/24	
PLATE NO.	30.08	SIMON AERIALS INC. NEW 02 NOV., 1992	PART NO. 3529630

PART NO.	3529630
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[illegible]

PLATE NO.	30.09	SIMON AERIALS INC.	NEW 07 OCT., 1992	PART NO.	03-408200
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Art # A30.00001S

TITLE CHARGER, BATTERY (110 VOLT AC INPUT, 48 VOLT DC OUTPUT)

SIMON AERIALS INC.

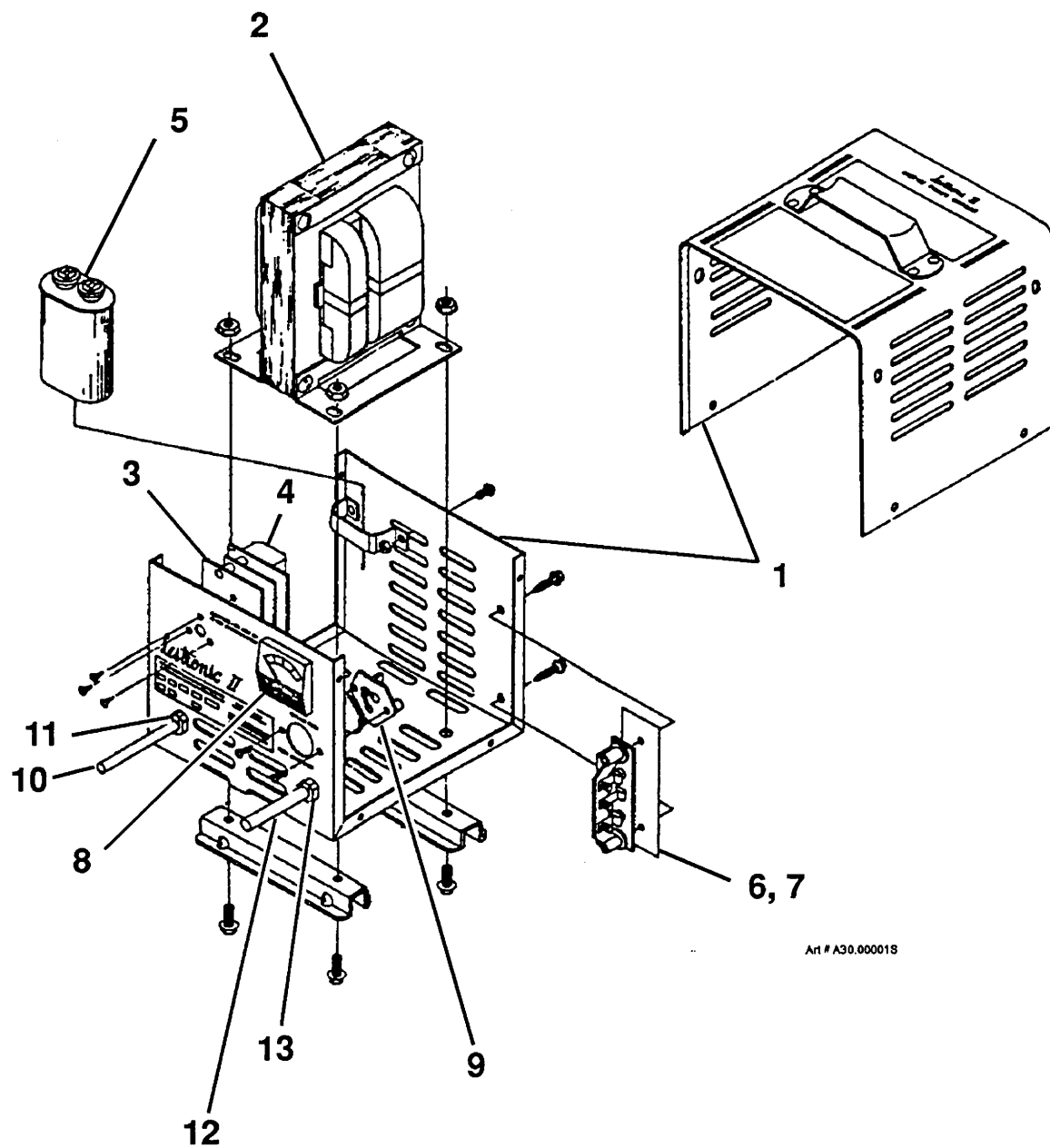
NEW 07 OCT., 1992

PART NO. 03-408200

PLATE NO. 30.09

[illegible]

PLATE NO.	30.10	SIMON AERIALS INC.	NEW 07 OCT., 1992	PART NO.	03-492600
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TITLE CHARGER, BATTERY (115/ 230 VOLT AC INPUT, 48 VOLT DC OUTPUT)

SIMON AERIALS INC.

NEW 07 OCT., 1992

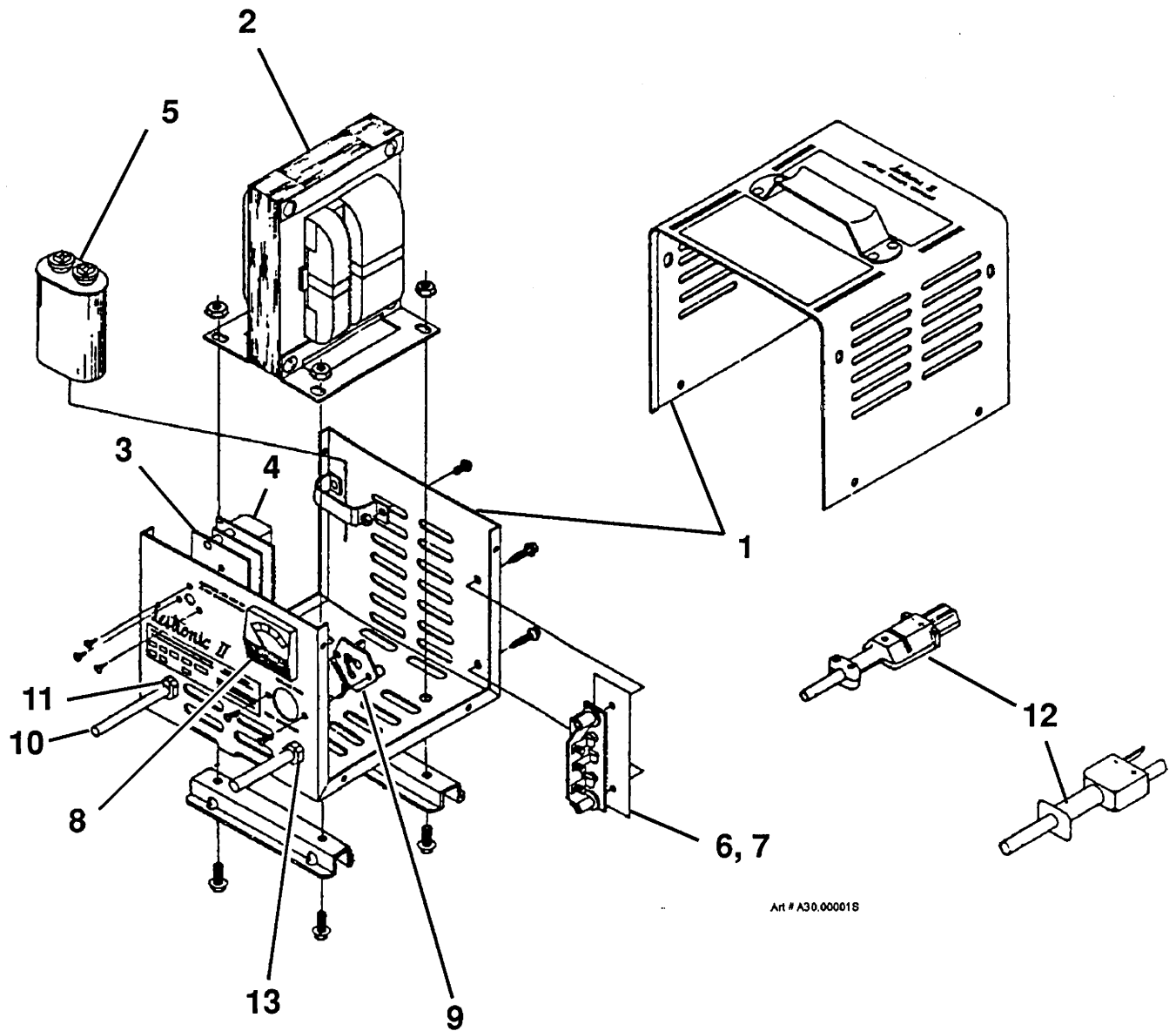
PART NO. 03-492600

PLATE NO. 30.10

[illegible]

TITLE		CHARGER, BATTERY (230 VOLT AC INPUT, 48 VOLT DC OUTPUT)	
PLATE NO.	30.11	SIMON AERIALS INC. NEW 07 OCT., 1992	PART NO. 03-492900

PART NO. 03-492900



Art # A30.000018

TITLE CHARGER, BATTERY (230 VOLT AC INPUT, 48 VOLT DC OUTPUT)

SIMON AERIALS INC.

NEW 07 OCT., 1992

PART NO. 03-492900

PLATE NO. 30.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	Not avail.		DECAL KIT, EAGLE 41/24	1
2	10-084900		DECAL, "DANGER" (Electrocution Hazard) [7-1/4" (184 mm) x 6" (152 mm)]	2
3	10-019000		DECAL, "DANGER" (Electrocution Hazard) [4-1/8" (105 mm) x 4-5/8" (117 mm)]	1
4	10-012200		DECAL, "CAUTION" ("For Hydraulic Fluid . . . DTE 15 . . .")	1
5	10-018900		DECAL, "BEWARE" (Potential Hazard)	1
6	10-013400		PLACARD, "500 LBS (225 Kg) . . . CAPACITY"	2
7	10-066000		PLATE, "PLATFORM LOAD 500 LBS. (225 KG)"	1
8	10-125800		DECAL, GROUND ELECTRICAL BOX	1
9	10-134800		DECAL, GROUND CONTROL VALVES	1
10	10-124800		DECAL, PLATFORM ELECTRICAL CONTROLS	1
11			DECAL, PLATFORM CONTROL VALVES	
	10-134900		Model 41/24 without Platform Rotate feature	1
	10-135000		Model 41/24 with Platform Rotate feature	1
12	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	3
13	10-146800		DECAL, "MANUAL BRAKE RELEASE . . ." (also supercedes decals #10-131300 and 10-141300)	1
14	10-141400		DECAL, EMERGENCY LOWERING ("Use emergency . . .")	1
15	10-141500		DECAL, EMERGENCY LOWERING ("Open this cover . . .")	1
16	10-007600		DECAL, "120 V. A.C., 20 AMP"	1
17	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED . . ."	1
18	10-017200		DECAL, "SIMON" NAME [5" (127 mm) high, Black]	2
19	10-105900		DECAL, "SIMON" NAME [5" (127 mm) high, White]	2
20	10-131600		DECAL, MODEL "EAGLE" (Black) [5" (127 mm) high]	1
21	10-131800		DECAL, MODEL "41/24" (Black) [3-1/2" (89 mm) high]	1
22	10-126800		DECAL, STRIPING (Bulk item, order as needed) [(4) Orange Stripes, 3-3/4" (95 mm) wide]	A.R.
23	10-131900		DECAL, SIMON "S" LOGO [Orange/ Gray, 9" (229 mm) wide x 13-1/2" (344 mm) high]	2
24	10-121600		DECAL, "MADE IN U.S.A."	1
			The following decals are found only on units so equipped:	
25	10-129000		DECAL, "BATTERY INDICATOR LIGHT . . ." (with option)	1
26	10-141200		DECAL, LOW BATTERY (with "Low voltage cutout" option) ("Flashing light and sounding . . . recharge battery")	1
27	10-116800		DECAL, SENSOR RING OVERRIDE BUTTON (with option)	1
28	2140830		DECAL, "EE" DIAMOND (with "EE Rating" option)	1
29	10-127600		DECAL, "48 VOLT SYSTEM . . ." (with "EE Rating" option)	1
30	10-127700		DECAL, "325 AMP/ 125 AMP" (with "EE Rating" option)	1

TITLE

DECALS, 41/24 ELECTRIC EAGLE

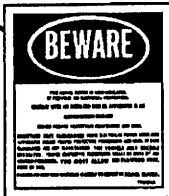
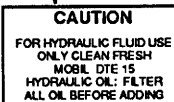
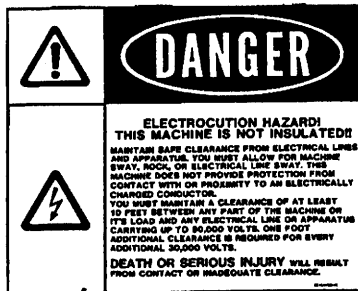
PLATE
NO.

99.11

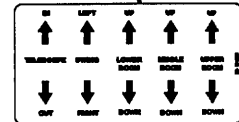
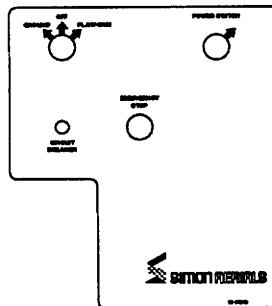
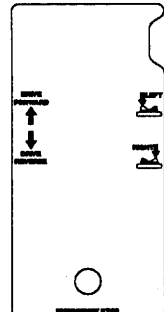
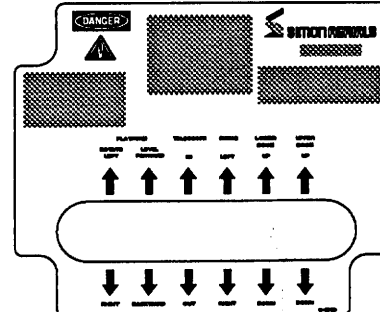
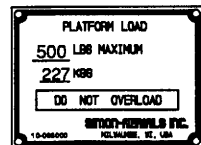
SIMON AERIALS INC.

NEW 01 OCT., 1992

PART
NO.



500LBS. (228.4 KG) DO NOT OVERLOAD MAXIMUM PAYLOAD CAPACITY



EMERGENCY LOWERING
OPEN THIS COVER FOR INSTRUCTIONS.

EMERGENCY LOWERING
USE EMERGENCY HAND PUMP TO MOVE PLATFORM WHEN PRIMARY POWER IS DISABLED.

- OPERATION:
- INSTALL HANDLE ON PUMP.
 - ENSURE THAT BLACK KNOB ON MANIFOLD IS IN NORMAL POSITION (IN).
 - ENSURE THAT PUMP VALVE LEVER IS CLOSED (CLOCKWISE).
 - OPERATE DESIRED FUNCTION CONTROL LEVER AND STROKE PUMP HANDLE TO MOVE PLATFORM.

CONSULT OPERATOR'S MANUAL FOR COMPONENT LOCATIONS.

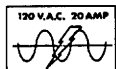
MANUAL BRAKE RELEASE

MACHINE WILL ROLL FREELY ON SLOPES WITH BRAKES RELEASED. ATTACH TO TOW VEHICLE OR CHOCK WHEELS BEFORE RELEASING BRAKES.

- TO MANUALLY RELEASE BRAKES:
- MOVE BLACK KNOB ON MANIFOLD TO "OUT" POSITION.
 - CLOSE BRAKE VALVE BY LOOSENING LOCKNUT AND TURNING CLOCKWISE (C) UNTIL FULLY CLOSED. TIGHTEN LOCKNUT.



- INSTALL PUMP HANDLE AND STROKE PUMP UNTIL BRAKES ARE RELEASED.
- TO ENGAGE BRAKES:
- MOVE BLACK KNOB ON MANIFOLD TO "IN" POSITION.
- OPEN BRAKE VALVE BY LOOSENING LOCKNUT AND TURNING COUNTERCLOCKWISE (C) UNTIL FULLY OPEN. TIGHTEN LOCKNUT.
- DO NOT OPERATE MACHINE WITH BRAKES RELEASED OR WITH BRAKE VALVE IN THE CLOSED POSITION.
- MAXIMUM TOW SPEED - 3 MPH



OPERATOR'S MANUAL
ENCLOSED

DO NOT REMOVE OPERATOR'S MANUAL FROM MACHINE. REPLACE MANUAL IF DAMAGED OR MISSING.

SIMON

EAGLE

41/24

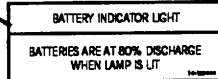
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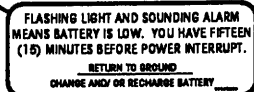
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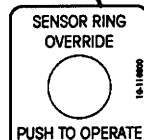
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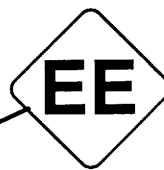
26



27



28



29

48 VOLT SYSTEM
6 VOLT BATTERIES
20 HR. CAPACITY
217 AMP HOUR

30

325 AMP

125 AMP

TITLE

DECALS, 41/24 ELECTRIC EAGLE

SIMON AERIALS INC.

NEW 01 OCT., 1992

PART
NO.

PLATE
NO.

99.11