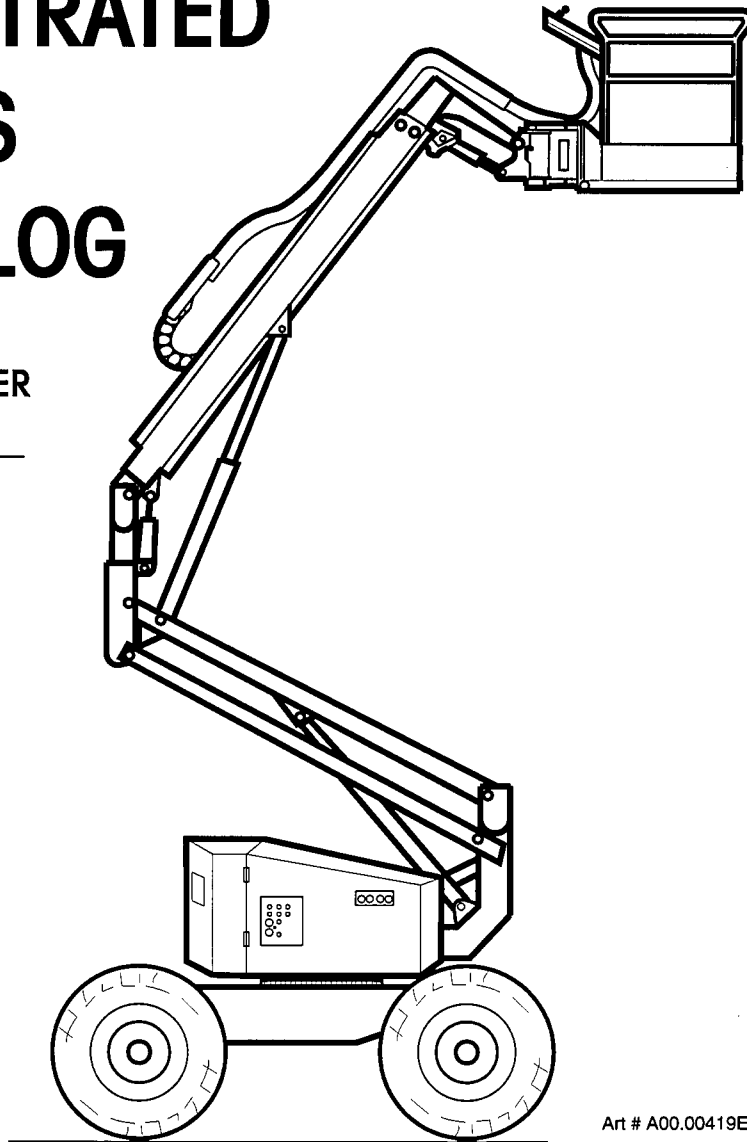


**CONSTRUCTOR
MODEL AT 30C**

**ILLUSTRATED
PARTS
CATALOG**

FOR MACHINE
SERIAL NUMBER



Art # A00.00419E

Part No. 89-443005 • Revision ".6" dated Oct. 1995 •

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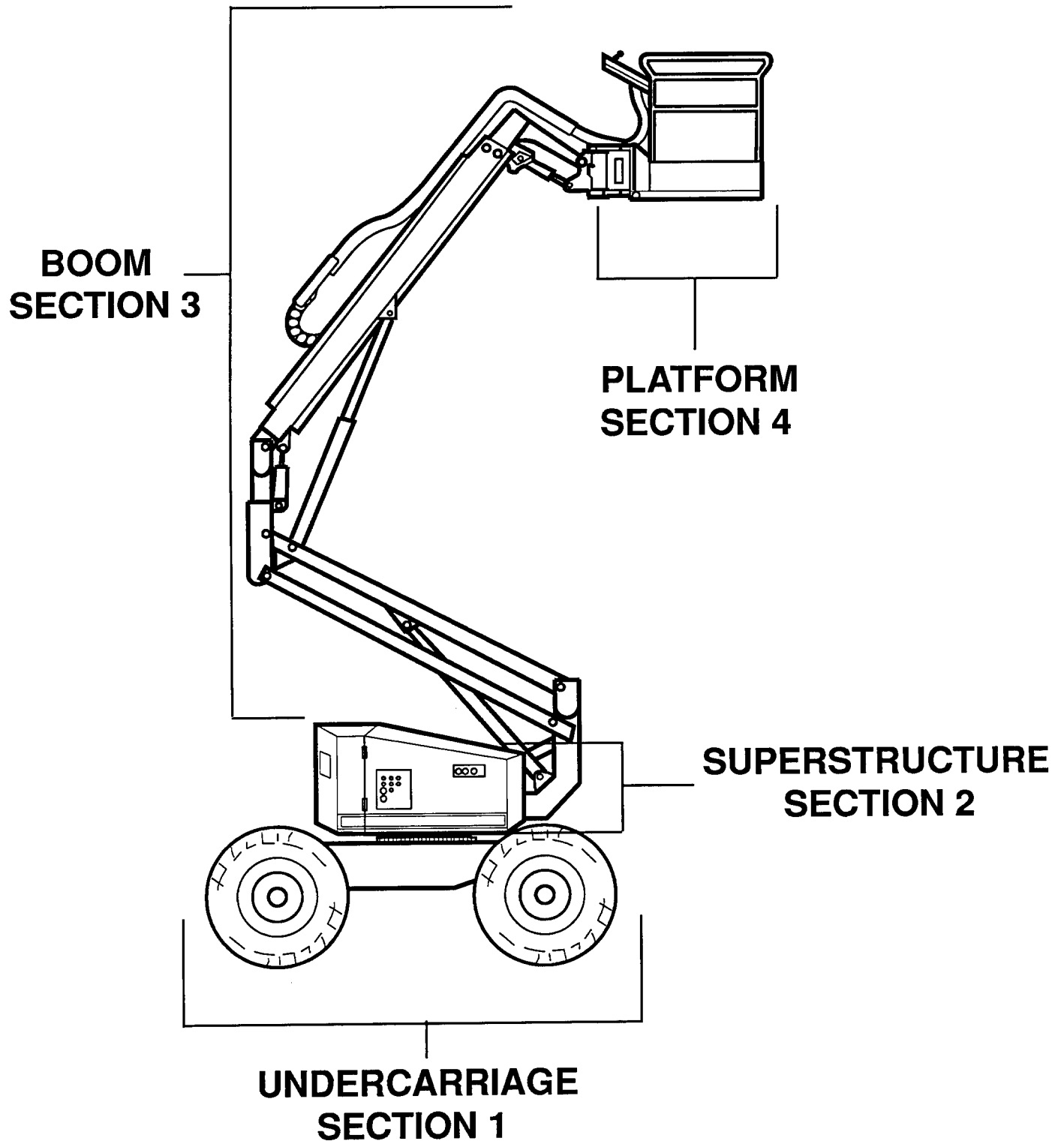
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TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART
NO.PLATE
NO.

INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON AT30C CONSTRUCTOR SELF-PROPELLED AERIAL WORK PLATFORMS. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to 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 AT30C CONSTRUCTOR 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 SECT." 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.

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.

PARTS LIST

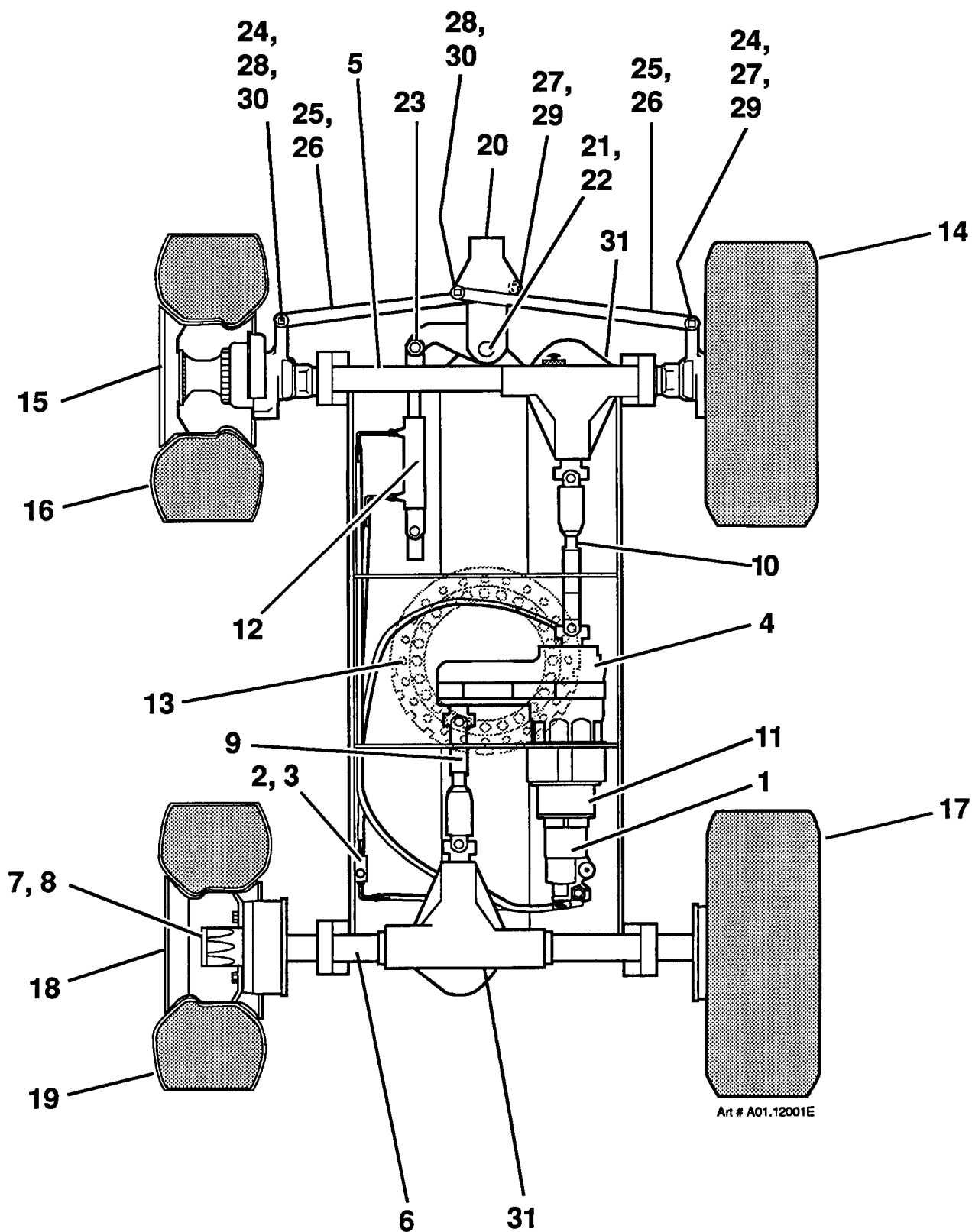
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-086600	26.02	MOTOR, HYDRAULIC (Nameplate marked "M46-4019"))	1
2	01-082100		VALVE, CROSS PORT RELIEF (valve has one cartridge)	1
	01-202200		VALVE, CROSS PORT RELIEF (valve has two cartridges)	1
3	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X-S)	4
4	02-017700		TRANSFER CASE (Type 1, with U-bolt front output yoke)	1
	02-029800		TRANSFER CASE (Type 2, with flanged front output yoke)	1
5	02-019900	19.06	AXLE ASSEMBLY, FRONT	1
	07-004156		CAP SCREW, HEX HEAD (3/4"-10 x 3-3/4", Grade 8)	4
	07-061022		WASHER, FLAT (3/4" SAE)	4
6	02-022800	19.04	AXLE ASSEMBLY, REAR (with "Detroit Locker" Differential)	1
	07-004156		CAP SCREW, HEX HEAD (3/4"-10 x 3-3/4", Grade 8)	4
	07-061022		WASHER, FLAT (3/4" SAE)	4
7	07-090152		CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2", Grade 12)	16
8	07-090174		WASHER, HARDENED (special)	16
9	02-026000	20.04	DRIVE SHAFT, REAR (without Tow Package)	1
	213 6450	20.10	DRIVE SHAFT, REAR (with Tow Package)	1
10	02-021800	20.01	DRIVE SHAFT, FRONT (Type 1, U-bolts to Transfer Case)	1
	02-030100	20.08	DRIVE SHAFT, FRONT (Type 2,	
			with one slip joint, and flange mount to Transfer Case)	1
	352 1150	20.11	DRIVE SHAFT, FRONT (Type 3,	
			with two slip joints, and flange mount to Transfer Case)	1
11	02-028900	22.04	SPEED REDUCER, WITH BRAKE	1
12	04-030200	11.11	CYLINDER, STEER	1
13	08-065000		SWING BEARING (Threaded type)	1
	07-004139		CAP SCREW, HEX HEAD (5/8"-11 x 5", Grade 8)	18
	07-004129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 8)	23
	07-061021		WASHER, FLAT (5/8" SAE)	41
14			WHEEL AND TIRE ASSEMBLY, STEER AND DRIVE	
	3517550		Air filled	2
	3517970		Liquid filled	2
	3517990		Foam filled	2
15	02-021900		WHEEL, STEER AND DRIVE	1
16	02-025800		TIRE, 14 x 35 - 16.5" LT TUBELESS	1
17			WHEEL AND TIRE ASSEMBLY, DRIVE	
	3517560		Air filled	2
	3517980		Liquid filled	2
	3518000		Foam filled	2
18	02-021100		WHEEL, DRIVE	1
19	02-025800		TIRE, 14 x 35 - 16.5" LT TUBELESS	1

TITLE UNDERCARRIAGE ASSEMBLY, AT30C (PLATE 1 OF 2)

PLATE NO. 01.12 **SIMON AERIALS INC.**

REV. 15 JAN., 1992

PART NO.

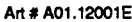


01.12

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PLATE NO.	01.12	SIMON AERIALS INC.
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PART
NO.



01.12

PARTS LIST

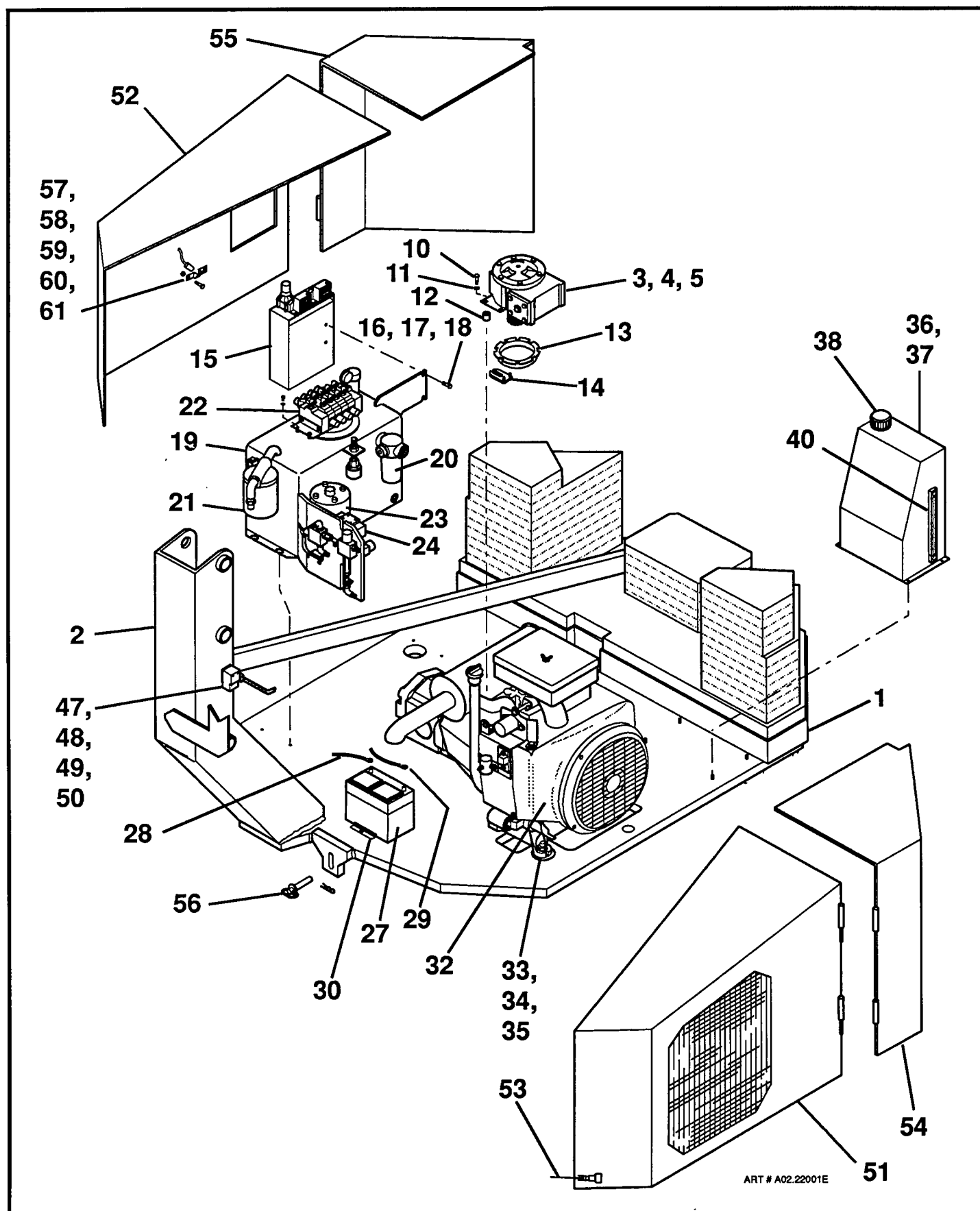
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2173450		SUPERSTRUCTURE WELDMENT	1
2	2143020		BASE POST WELDMENT (reference only. Not serviced)	1
3	3515520		SPEED REDUCER ASSEMBLY	1
4	01-087500		MOTOR, HYDRAULIC	1
5	02-023500	28.02	SPEED REDUCER	1
6	06-048500		TEE, STRAIGHT THREAD RUN (6 R50X)	2
7	06-057500		NUT, TUBE (6 BTX) (option)	2
	06-051500		ELBOW, SWIVEL NUT (6 C6X) (option)	2
8	06-060100		REDUCER, TUBE END (6-4 TRTX)	2
9	06-090800		REDUCER (10-6 F50G5)	2
10	07-003089		SCREW, HEX HEAD (1/2"-13 x 2", Grade 5)	2
11	07-065018		WASHER, HELICAL LOCK (1/2")	2
12	2145930		SPACER, SPEED REDUCER MOUNTING	4
13	02-023600		RING, ECCENTRIC (below speed reducer assy.)	1
14	2187700		KEEPER PLATE, ECCENTRIC	1
15	3515510	07.12	BOX ASSEMBLY, GROUND CONTROL	1
16	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	3
17	07-065014		WASHER, LOCK (1/4")	3
18	07-062014		WASHER, FLAT (1/4")	3
19	3517570	24.02	TANK ASSEMBLY, HYDRAULIC	1
20	01-080502		ELEMENT, RETURN LINE FILTER	1
21	01-082001		ELEMENT, SUCTION LINE FILTER	1
22	01-092100	06.09	VALVE BANK ASS'Y., GROUND (Type 1)	
			Note: On a "Type 1" assy., the brackets mounting the valve bank to the bosses on the tank are "L" shaped.	1
	01-098400	06.12	VALVE BANK ASS'Y., GROUND (Type 2)	
			Note: On a "Type 2" assy., the brackets mounting the valve bank to the bosses on the tank are flat.	1
23	01-027200	12.03	PUMP, EMERGENCY HYDRAULIC	1
24	01-086800	23.04	MANIFOLD ASSEMBLY, HYDRAULIC	1
25	03-464800		HARNESS, BRAKE DELAY WIRE (not shown)	1
26	03-061800		DIODE (not shown)	2

TITLE SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 1 OF 3)

PLATE NO. 02.16 SIMON AERIALS INC.

REV. 30 AUG., 1993

PART NO.



ART # A02.22001E

TITLE

SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 30 AUG., 1993

PART
NO.

PLATE
NO.

02.16

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	03-010001		BATTERY (700 Amp) [replaces 03-408400 (550 A) for Diesel & Wisconsin gas, and 03-423200 (505 A) for Onan & Kubota gas engines.]	1
28	03-458500		CABLE, BATTERY (red, 58" long) (Onan or Deutz 511)	1
	03-465700		CABLE, BATTERY (red, 78" long) (Isuzu, Kubota or Perkins)	1
	03-074100		CABLE, BATTERY (red, 49" long) (Wisconsin engine)	1
	03-488600		CABLE, BATTERY (red, 30" long) (Wisconsin or Deutz 1011)	1
29	03-070100		CABLE, BATTERY (black, 12" long)	1
30	03-064300		HOLD DOWN, BATTERY (for 700 Amp battery)	1
	03-415500		HOLD DOWN, BATTERY (for 550 Amp battery)	1
	2018274		ROD, THREADED (for 700 or 550 Amp battery)	2
	07-060016		WASHER, FLAT (3/8" SAE) (for 700 or 550 Amp battery)	2
	07-040016		NUT, HEX (3/8"-16, Grade 5) (for 700 or 550 Amp battery)	2
	03-423300		CLAMP, BATTERY HOLD DOWN (for 505 Amp battery)	2
	07-062015		WASHER, FLAT (5/16") (for 505 Amp battery)	2
	07-050015		NUT, LOCK (5/16"-18) (for 505 Amp battery)	2
31	10-112900		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene)	1
32	3521500		ENGINE ASSEMBLY, GAS (Kubota WG 750B, 24 HP)	1
	3516280	08.07	ENGINE ASSEMBLY, GAS (Onan P224, 24 HP)	1
	3522460		ENGINE ASSEMBLY, GAS (Wisconsin W41770, 35 HP)	1
	3516310	08.07	ENGINE ASSEMBLY, DUAL FUEL (Onan P224, 24 HP)	1
	3522470		ENGINE ASSEMBLY, DUAL FUEL (Wisc. W41770, 35 HP)	1
	3521750		ENGINE ASSEMBLY, DIESEL (Isuzu 3KC1, 23 HP)	1
	3516320	08.08	ENGINE ASSEMBLY, DIESEL (Perkins 103.10, 24 HP)	1
	3516770		ENGINE ASSEMBLY, DIESEL (Deutz F2L511, 35 HP)	1
	3522850		ENGINE ASSEMBLY, DIESEL (Deutz F2L1011, 28 HP)	1
33			BOLT	4
34			WASHER, FLAT	4
35			NUT, LOCK	4

TITLE SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 2 OF 3)

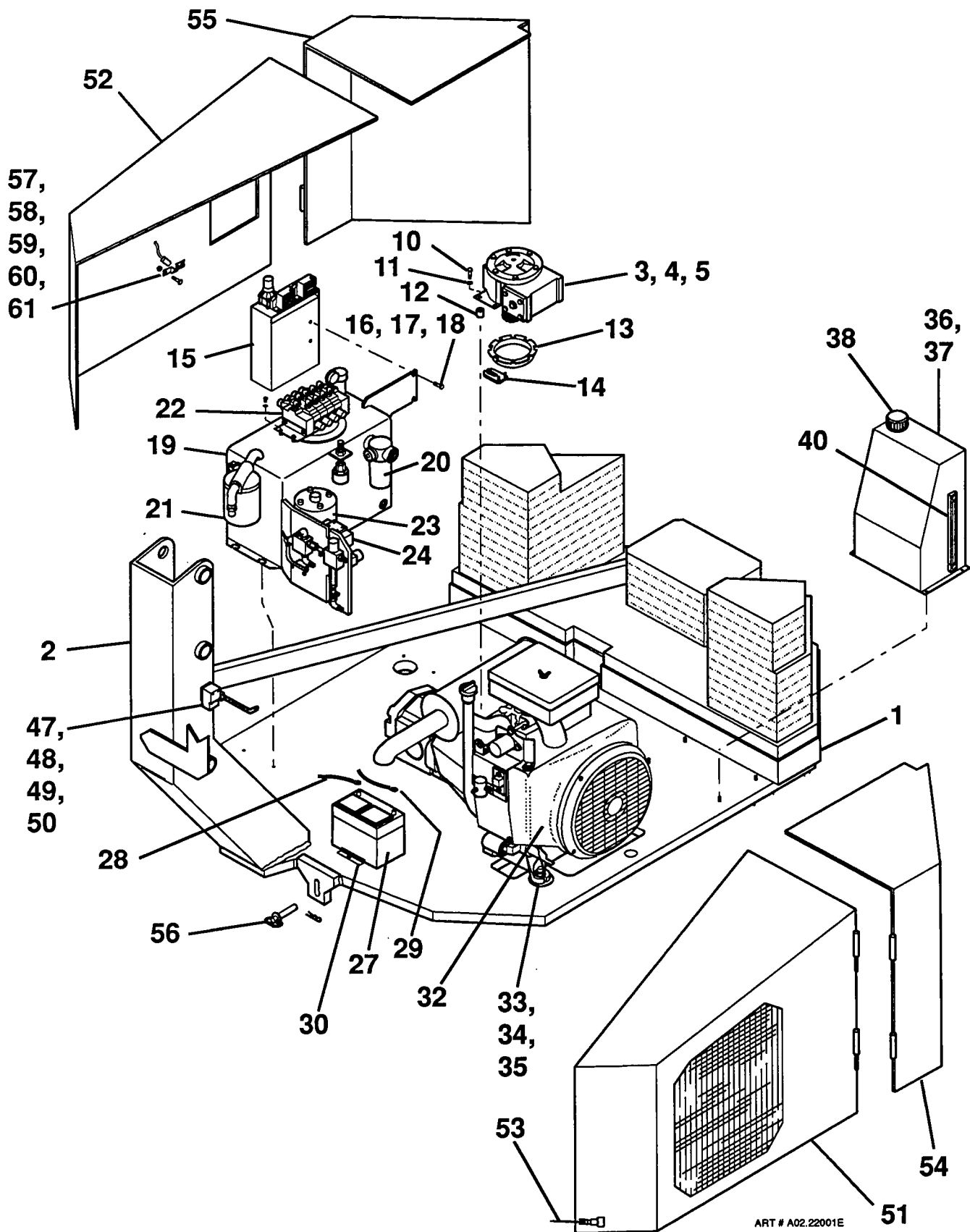
PLATE NO.

02.16

SIMON AERIALS INC.

REV. 30 AUG., 1993

PART NO.



ART # A02.22001E

TITLE SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 30 AUG., 1993

PART
NO.

PLATE
NO.

02.16

PARTS LIST

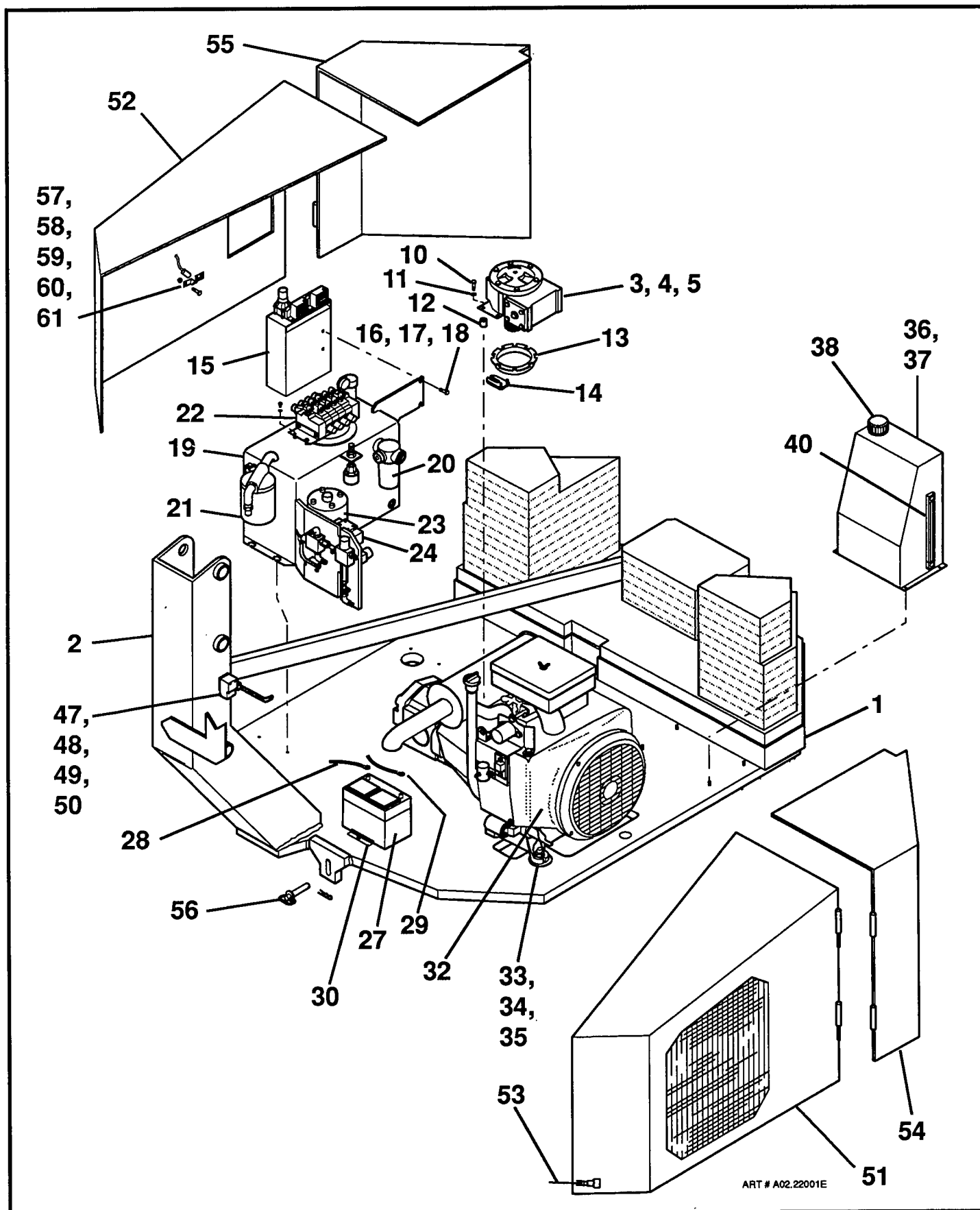
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	3515550		TANK ASSEMBLY, FUEL (with gas or dual fuel engine)	1
	3516550		TANK ASSEMBLY, FUEL (with Diesel engine)	1
37			TANK WELDMENT, FUEL	
	2165340		with Deutz F2L511 or Wisconsin W41770 engines	1
	2140430		all other engine applications (with vented cap)	1
	2196820		all other engine applications (with screw-on cap)	1
38	10-001900		CAP, FUEL (Vented)	1
	No Part #		CAP, FUEL (Screw-on, per UL 558 spec)	1
39	01-032800		VALVE, SHUT OFF (1/4" NPT)	1
40	10-033800		GAUGE, SIGHT (14")	1
41	06-076900		REDUCER/ EXPANDER, PIPE THREAD (long) (4 FF-S)	1
42	06-079800		HOLLOW HEX PLUG, PIPE THREAD (4 HHP-S)	1
43	06-080200		90° ELBOW, STRAIGHT TO PIPE THREAD (4 CD-S)	A.R.
			(1) with gas or dual fuel engine, (2) with Diesel engine	
44	11-050401		FITTING, HOSE	
			(Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
45	11-050200		BUSHING, REDUCER (Dsl only) (NPT, 1/4" M to 1/8" F)	1
46	11-050405		FITTING, HOSE (Diesel only)	
			(Brass, barbed, 1/8" I.D. hose, 1/8" male NPT thread)	1
47	03-021400		SWITCH, LIMIT	1
48	03-026200		LEVER BLOCK, LIMIT SWITCH	1
49			ARM, LIMIT SWITCH	
	2010906		for all except Deutz F2L1011 engine (must be bent)	1
	2185790		for use with Deutz F2L1011 engine	1
50	07-008355		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/2", Grade 8)	2
51			DOOR ASSEMBLY (right)	
	2153570		for all except Isuzu 3KC1 engine	1
	2167920		for use with Isuzu 3KC1 engine	1
52	2139780		DOOR ASSEMBLY (left)	1
53	10-099400		LATCH, DRAW (with latching rod)	2
54	2139810		COVER, FRONT (right)	1
55	2139840		COVER, FRONT (left)	1
56	07-080008		PIN, HITCH (3/4" x 4", includes cotter pin)	1
57	03-038800		LAMP, CONTROL PANEL (hooded) (option)	2
58	03-418600		BULB, PANEL LAMP (#68)	2
59	2306730		BRACKET, PANEL LAMP (mounts to inside of sheet metal,	
			above electrical controls and valve bank)	2
60	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", stn. stl.)	4
61	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4

TITLE SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 3 OF 3)

PLATE NO. 02.16 SIMON AERIALS INC.

REV. 30 AUG., 1993

PART NO.



ART # A02.22001E

TITLE

SUPERSTRUCTURE ASSEMBLY, AT30C (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 30 AUG., 1993

PART
NO.

PLATE
NO.

02.16

PARTS LIST

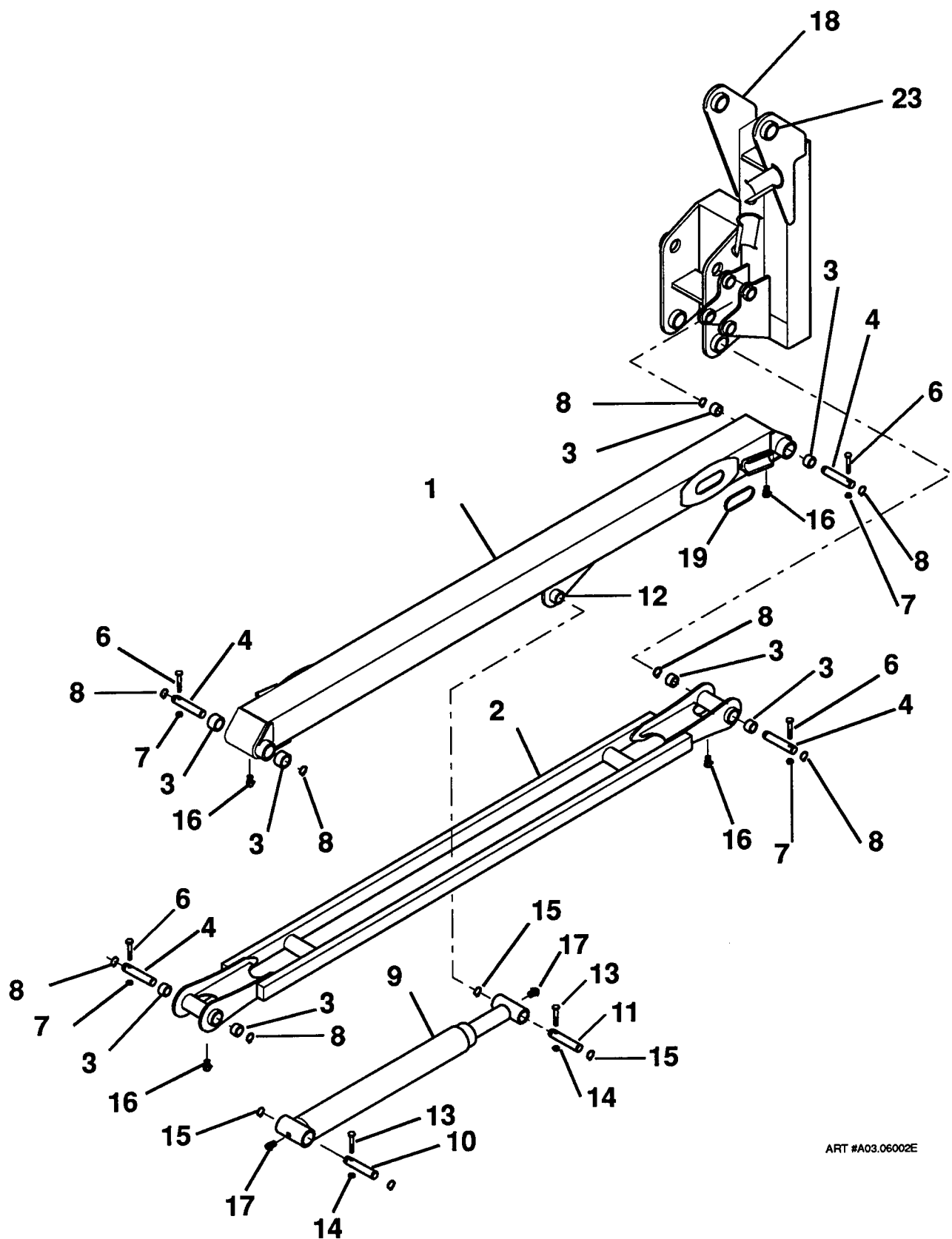
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2139280		BOOM WELDMENT, LOWER (includes pin lock collar)	1
2	2138440		ARM ASS'Y., PARALLEL (incl. bushings and grease fittings)	1
3	08-064000		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8
4	2138940		PIN, LOWER BOOM PIVOT (2" x 10-7/16")	4
5	2138900		COLLAR, LOCK (2") (not shown. On base and upper posts)	4
6	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	4
7	07-058400		NUT, GRIP (1/2"-13)	4
8	08-041100		RING, RETAINING (2")	8
9	04-028400	11.05	CYLINDER, LOWER BOOM LIFT (Type 1) (2.50" bore)	1
	04-030600	11.05	CYLINDER, LOWER BOOM LIFT (Type 2) (2.50" bore) Note: When installing a Lift Cylinder on the lower boom of an AT30C, a Spacer Ring, item 9A, must be used.	1
	04-032400	11.05	CYLINDER, LOWER BOOM LIFT (Type 3) (2.50" bore)	1
9A	2159850		RING, SPACER (for lower boom lift cylinder)	1
10	2147100		PIN, LIFT CYLINDER (1-1/4" x 10-1/4") (base end)	1
11	2139010		PIN, LIFT CYLINDER (1-1/4" x 5-7/16") (rod end)	1
12	2138750		COLLAR, LOCK (1-1/4") (on base post and lower boom)	2
13	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
14	07-050016		NUT, STOP (3/8"-16)	2
15	08-040700		RING, RETAINING (1-1/4")	3
16	08-050000		FITTING, GREASE (1/8", Straight)	9
17	08-051300		FITTING, GREASE (1/8", 90°)	18
18	2139590		UPPER POST WELDMENT (includes pin lock collars)	1
19	10-109200		TRIM, "QUICKEDGE"	A.R.
			Note: This boom assembly used only on Model AT30 C with Serial Numbers from G1000 through G1042.	
			For boom assembly on Model AT30 C with Serial Numbers G1043 and above , see plate 03.13.	

TITLE BOOM ASSEMBLY, AT30 C (PLATE 1 OF 3 . . . LOWER BOOM)

PLATE NO. 03.10 **SIMON AERIALS INC.**

REV. 10/26/90

PART NO. A-C3517510



ART #A03.06002E

TITLE BOOM ASSEMBLY, AT30 C (PLATE 1 OF 3 ... LOWER BOOM)

SIMON AERIALS INC.

REV. 10/26/90

PART NO. A-C3517510

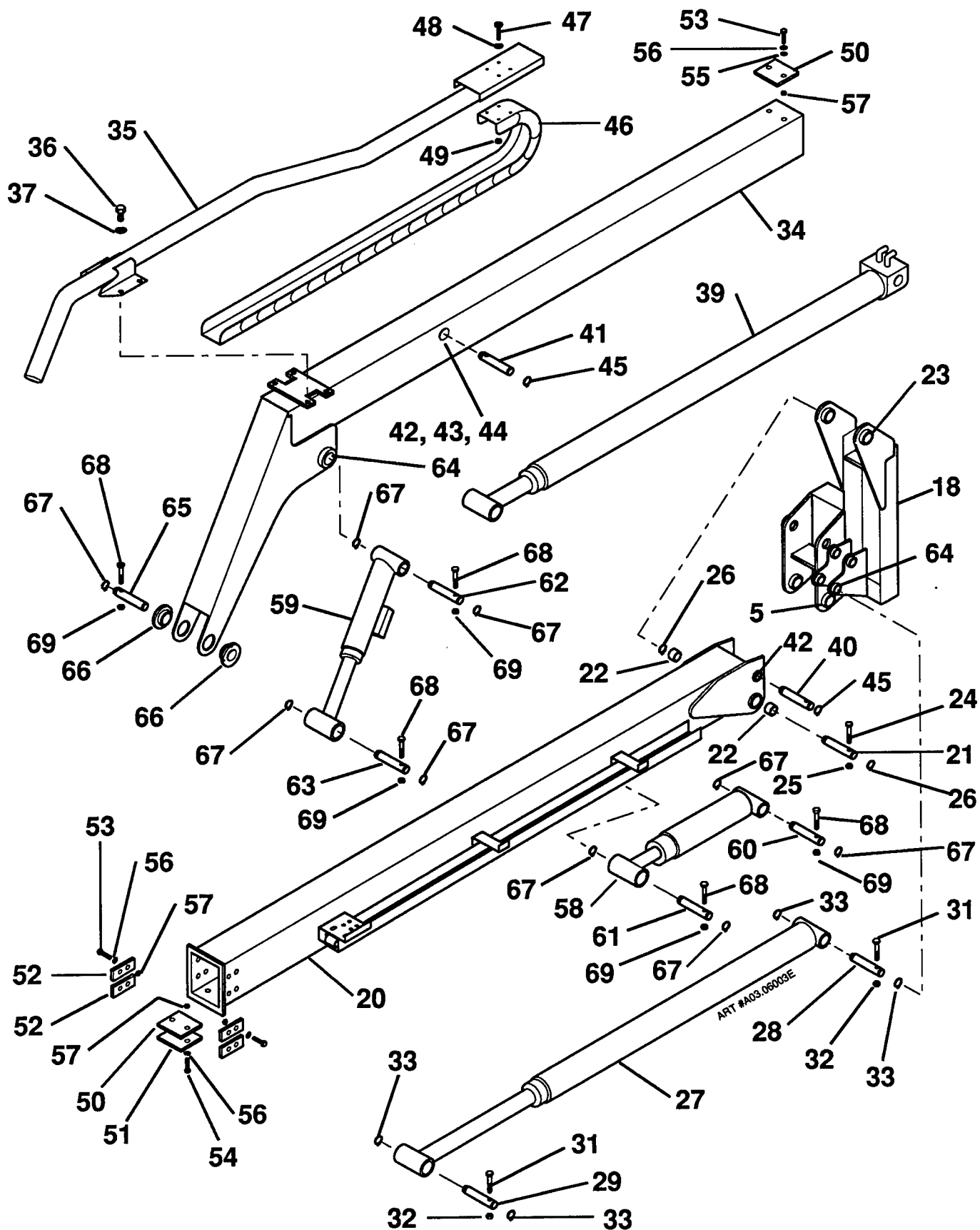
PLATE NO. 03.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20	2138540		BOOM WELDMENT, UPPER BASE (with Catrac)	1
21	2138920		PIN, UPPER BOOM PIVOT (2" x 11-13/16")	1
22	08-064000		BUSHING, BRONZE (2" I.D., 2-3/8" O.D., 2" long)	2
23	2138900		COLLAR, LOCK (2") (on upper post)	1
24	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
25	07-058400		NUT, GRIP (1/2"-13)	1
26	08-041100		RING, RETAINING (2")	2
27	04-030100	11.05	CYLINDER, UPPER BOOM LIFT (Type 1) (2.50" bore)	1
			Note: When installing a "Type 1" lift cylinder on the upper boom of an AT30C, a spacer nut, item 27A, must be used.	
	04-030600	11.05	CYLINDER, UPPER BOOM LIFT (Type 2) (2.50" bore)	1
27A	2167370		NUT, SPACER (for "Type 1" upper boom lift cylinder)	1
28	2139000		PIN, LIFT CYLINDER (1-1/4" x 6-13/16") (base end)	1
29	2139010		PIN, LIFT CYLINDER (1-1/4" x 5-7/16") (rod end)	1
30	2138750		COLLAR, LOCK (1-1/4") (on upper post and base boom)	2
31	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
32	07-050016		NUT, GRIP (3/8"-16)	2
33	08-040700		RING, RETAINING (1-1/4")	4
34	2138630		BOOM WELDMENT, TIP	1
35	2138640		ANCHOR WELDMENT, MOVING	1
36	07-003087		SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
37	07-062018		WASHER, FLAT (1/2" SAE)	4
38	07-050018		NUT, STOP (1/2"-13)	4
39	See Plate	11.04	CYLINDER, TELESCOPE (2.50" bore)	1
40	2138960		PIN, TELESCOPE CYLINDER (1-1/4" x 9-3/8") (base end)	1
41	2139020		PIN, TELESCOPE CYLINDER (1-1/4" x 4-7/8") (rod end)	1
42	2138750		COLLAR, LOCK (1-1/4") (on base boom and tip boom)	2
43	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
44	07-050016		NUT, STOP (3/8"-16)	2
45	08-040700		RING, RETAINING (1-1/4")	4
46	08-063500		CARRIER, HOSE (metal track, 19 link, 5.7" radius)	1
47	07-017046		SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5)	8
48	07-062016		WASHER, FLAT (3/8" SAE)	8
49	07-050016		NUT, STOP (3/8"-16)	8
			Note: This boom assembly used only on Model AT30 C with Serial Numbers from G1000 through G1042 .	
			For boom assembly on Model AT30 C with Serial Numbers G1043 and above , see plate 03.13.	

TITLE BOOM ASSEMBLY, AT30 C (PLATE 2 OF 3 . . . UPPER BOOM)

PLATE NO. 03.10	SIMON AERIALS INC.	REV. 10/26/90	PART NO. A-C3517510
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TITLE BOOM ASSEMBLY, AT30 C (PLATE 2 OF 3 . . . UPPER BOOM)

SIMON AERIALS INC.

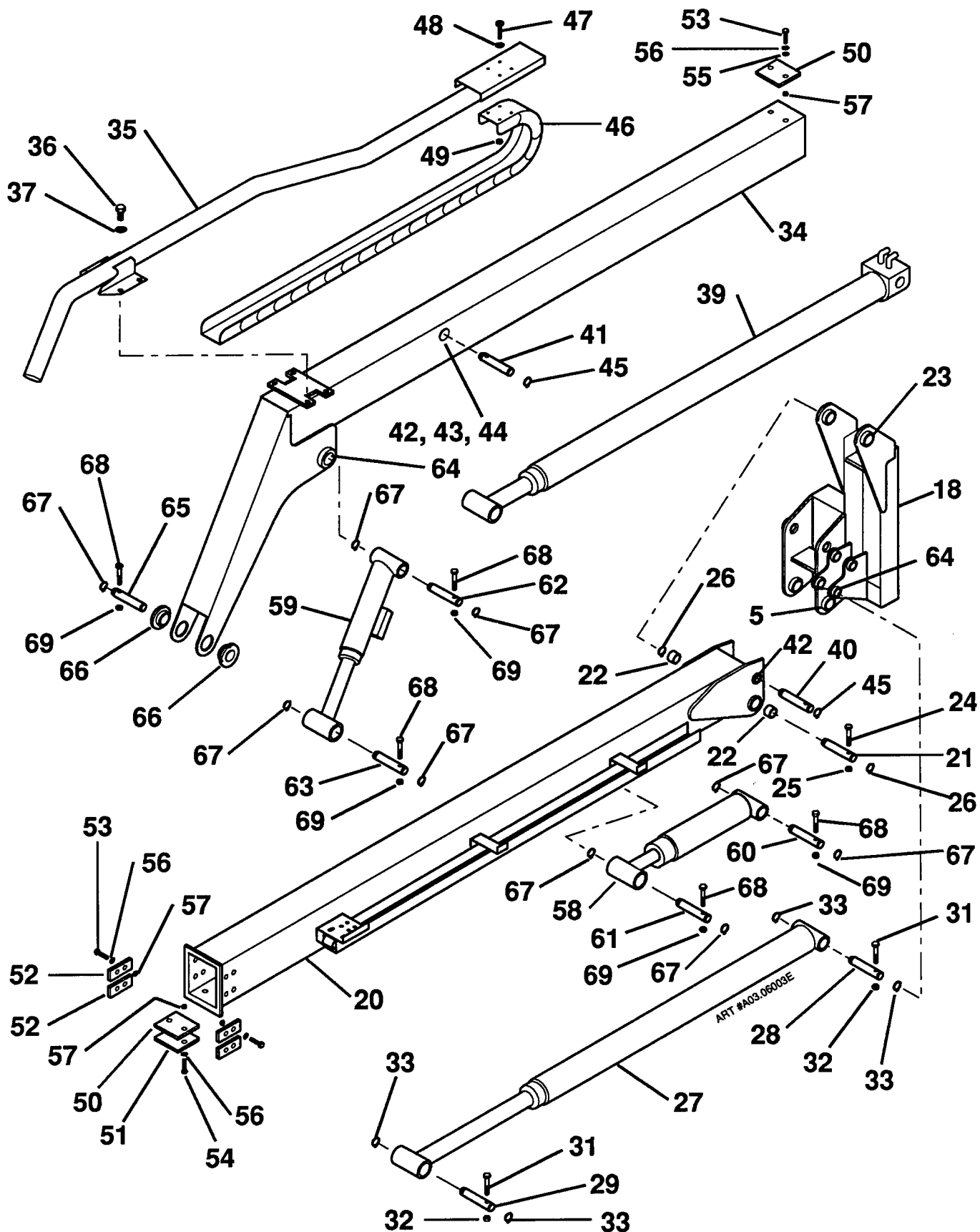
REV. 10/26/90

PART NO. A-C3517510

PLATE NO. 03.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50	2068677		PAD, UPPER AND LOWER WEAR (6" x 6-5/8")	2
51	2138250		SPACER, LOWER WEAR PAD	1
52	2070357		PAD, SIDE WEAR	4
53	07-003084		SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10
54	07-003086		SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
55	07-060018		WASHER, FLAT (1/2")	2
56	07-065018		WASHER, LOCK (1/2")	12
57	07-047018		NUT, JAM (1/2"-13)	12
58	See Plate . .	11.06	CYLINDER, MASTER LEVELING (2.50" bore)	1
59	See Plate . .	11.07	CYLINDER, SLAVE LEVELING (2.50" bore)	1
60	2139000		PIN, MASTER LEVEL CYL. (1-1/4" x 6-13/16") (base end)	1
61	2139010		PIN, MASTER LEVEL CYL. (1-1/4" x 5-7/16") (rod end)	1
62	2138990		PIN, SLAVE LEVEL CYL. (1-1/4" x 7-3/16") (base end)	1
63	2138980		PIN, SLAVE LEVEL CYL. (1-1/4" x 8") (rod end)	1
64	2138750		COLLAR, LOCK (1-1/4") (on upper post, base and tip booms)	3
65	2138950		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8")	1
66	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 1-1/2" long)	2
67	08-040700		RING, RETAINING (1-1/4")	10
68	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	5
69	07-050016		NUT, STOP (3/8"-16)	5
			Note: This boom assembly used only on Model AT30 C with Serial Numbers from G1000 through G1042.	
			For boom assembly on Model AT30 C with Serial Numbers G1043 and above , see plate 03.13.	
TITLE BOOM ASSEMBLY, AT30 C (PLATE 3 OF 3 . . . UPPER BOOM)				
PLATE NO.	03.10	SIMON AERIALS INC.		PART NO. A-C3517510
		REV. 19 FEB., 1992		



TITLE BOOM ASSEMBLY, AT30 C (PLATE 3 OF 3 . . . UPPER BOOM)

SIMON AERIALS INC.

REV. 10/26/90

PART NO. **A-C3517510**

PLATE NO. **03.10**

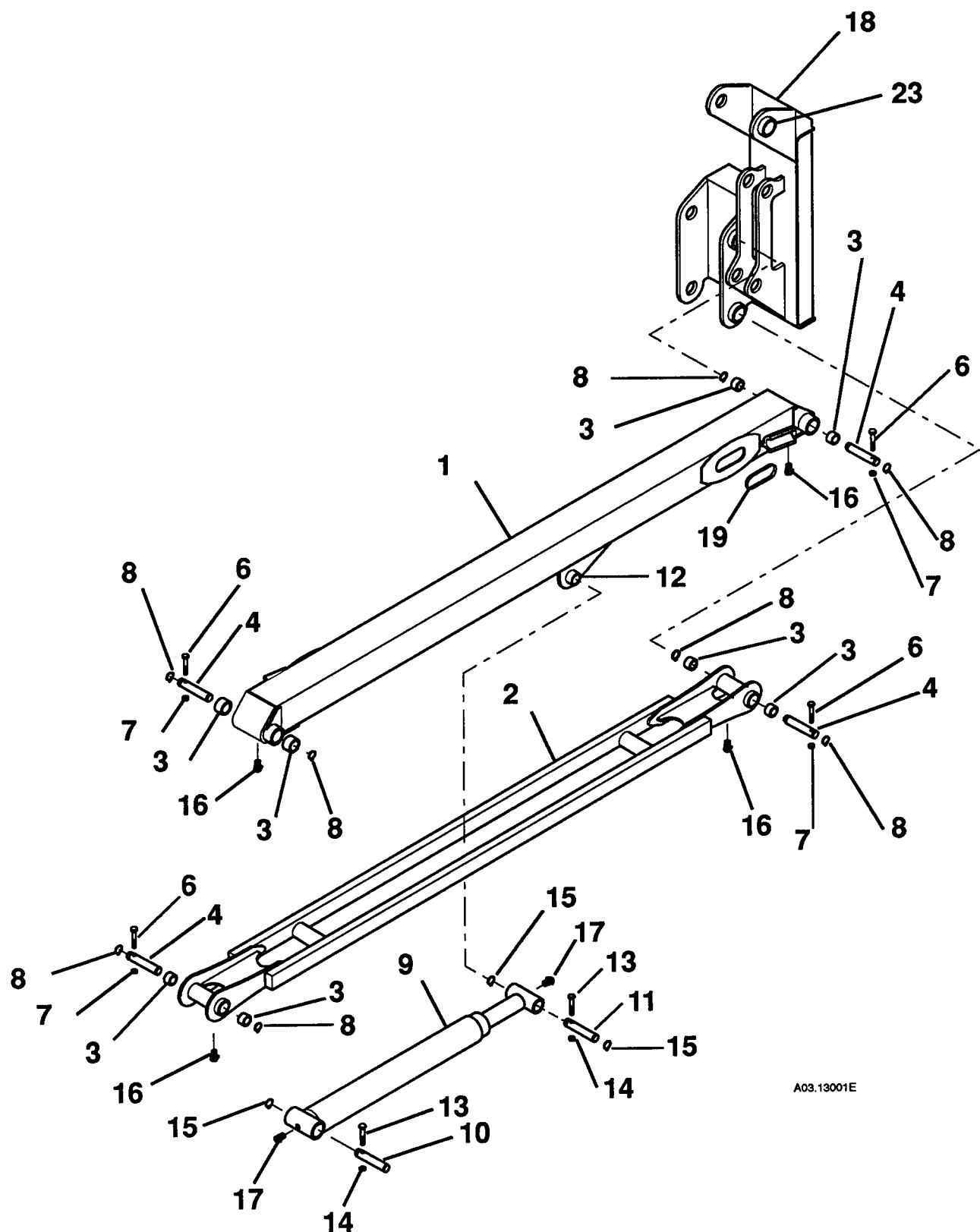
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TITLE	BOOM ASSEMBLY, 30 FOOT (9.2 M) (PLATE 1 OF 3 . . . LOWER BOOM)
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PLATE NO.	03.13	SIMON AERIALS INC.	NEW 09/20/90	PART NO.	A-C3518080
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PART NO. A-C3518080

PART NO. A-C3518080



A03.13001E

TITLE BOOM ASSEMBLY, 30 FOOT (9.2 M) (PLATE 1 OF 3 ... LOWER BOOM)

SIMON AERIALS INC.

NEW 09/20/90

PART NO. **A-C3518080**

PLATE NO. **03.13**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20	2152080		BOOM WELDMENT, UPPER BASE (with Catrac)	1
21	2138920		PIN, UPPER BOOM PIVOT (2" x 11-13/16")	1
22	08-064000		BUSHING, BRONZE (2" I.D., 2-3/8" O.D., 2" long)	2
23	2138900		COLLAR, LOCK (2") (on upper post)	1
24	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
25	07-058400		NUT, GRIP (1/2"-13)	1
26	08-041100		RING, RETAINING (2")	2
27	04-033100	11.05	CYLINDER, UPPER BOOM LIFT (3" bore)	1
28	2153560		PIN, LIFT CYLINDER (1-1/2" x 6-7/8") (base end)	1
29	2144620		PIN, LIFT CYLINDER (1-1/2" x 5-15/32") (rod end)	1
30	2144330		COLLAR, LOCK (1-1/2") (on upper post and base boom)	2
31	07-003094		SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	2
32	07-058400		NUT, GRIP (1/2"-13)	2
33	08-040900		RING, RETAINING (1-1/2")	4
34	2138630		BOOM WELDMENT, TIP	1
35	2152060		ANCHOR WELDMENT, MOVING	1
36	07-003087		SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
37	07-062018		WASHER, FLAT (1/2" SAE)	4
38	07-050018		NUT, STOP (1/2"-13)	4
39	04-032500	11.04	CYLINDER, TELESCOPE (3.00" bore)	1
40	2138960		PIN, TELESCOPE CYLINDER (1-1/4" x 9-3/8") (base end)	1
41	2139020		PIN, TELESCOPE CYLINDER (1-1/4" x 4-7/8") (rod end)	1
42	2138750		COLLAR, LOCK (1-1/4") (on base boom and tip boom)	2
43	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	2
44	07-050016		NUT, STOP (3/8"-16)	2
45	08-040700		RING, RETAINING (1-1/4")	4
46	08-063500		CARRIER, HOSE (metal track, 19 link, 5.7" radius)	1
47	07-017046		SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5)	8
48	07-062016		WASHER, FLAT (3/8" SAE)	8
49	07-050016		NUT, STOP (3/8"-16)	8

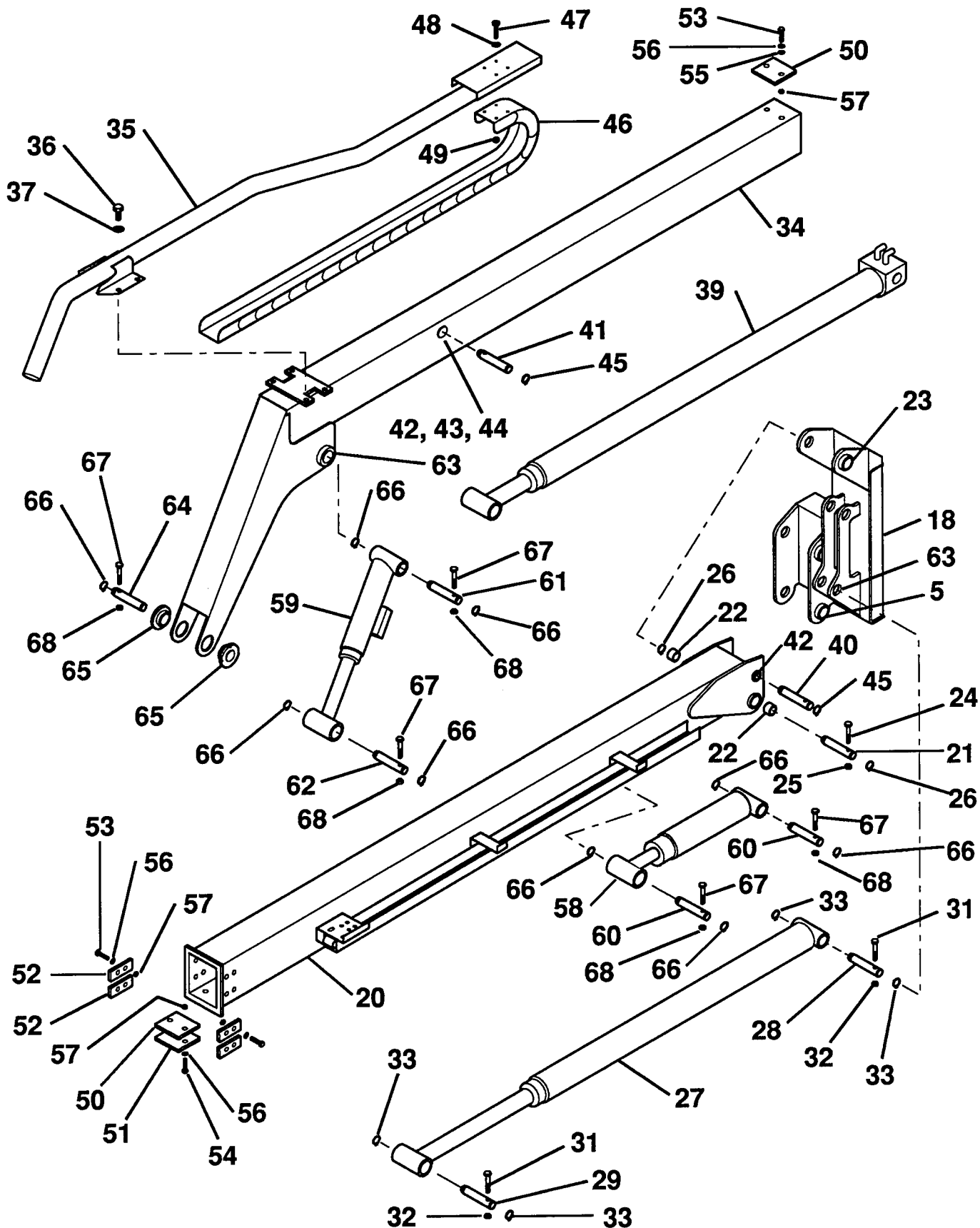
TITLE BOOM ASSEMBLY, 30 FOOT (9.2 M) (PLATE 2 OF 3 . . . UPPER BOOM)

PLATE NO. 03.13	SIMON AERIALS INC.	NEW 09/20/90	PART NO. A-C3518080
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PLATE NO.	03.13
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PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
50	2068677		PAD, UPPER AND LOWER WEAR (6" x 6-5/8")	2	
51	2138250		SPACER, LOWER WEAR PAD	1	
52	2070357		PAD, SIDE WEAR	4	
53	07-003084		SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10	
54	07-003086		SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2	
55	07-060018		WASHER, FLAT (1/2")	2	
56	07-065018		WASHER, LOCK (1/2")	12	
57	07-047018		NUT, JAM (1/2"-13)	12	
58	04-032600	11.06	CYLINDER, MASTER LEVELING (2.50" bore)	1	
59	04-032700	11.07	CYLINDER, SLAVE LEVELING (2.50" bore)	1	
60	2139000		PIN, MASTER LEVEL CYLINDER (1-1/4" x 6-13/16")	2	
61	2138990		PIN, SLAVE LEVEL CYLINDER (1-1/4" x 7-3/16") (base end)	1	
62	2138980		PIN, SLAVE LEVEL CYLINDER (1-1/4" x 8") (rod end)	1	
63	2138750		COLLAR, LOCK (1-1/4") (on upper post, base and tip booms)	3	
64	2138950		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8")	1	
65	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 1-1/2" long)	2	
66	08-040700		RING, RETAINING (1-1/4")	10	
67	07-003052		SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	5	
68	07-050016		NUT, STOP (3/8"-16)	5	
TITLE	BOOM ASSEMBLY, 30 FOOT (9.2 M) (PLATE 3 OF 3 . . . UPPER BOOM)				
PLATE NO.	03.13	SIMON AERIALS INC.		REV. 19 FEB., 1992	PART NO. A-C3518080

PLATE NO.	03.13	SIMON AERIALS INC.	REV. 19 FEB., 1992	PART NO.	A-C3518080
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TITLE BOOM ASSEMBLY, 30 FOOT (9.2 M) (PLATE 3 OF 3 . . . UPPER BOOM)

SIMON AERIALS INC.

NEW 09/20/90

PART NO. **A-C3518080**

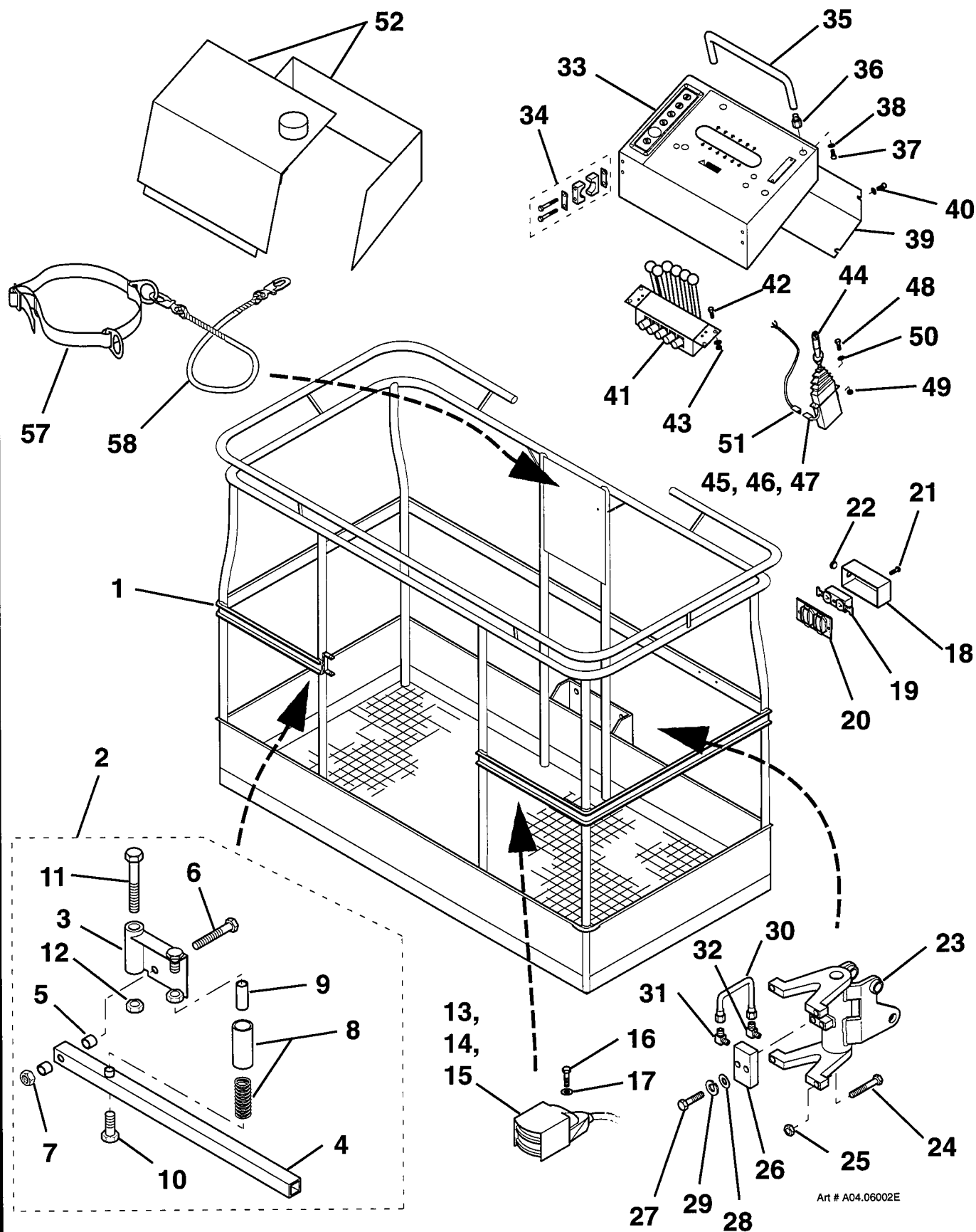
PLATE NO. **03.13**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2140290		PLATFORM WELDMENT	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		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	2108380		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	07-050018		NUT, LOCK (1/2"-13, Grade 5)	1
13	03-027900		SWITCH ASSEMBLY, FOOT (Double pole)	1
14	03-027901		SWITCH (Double pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	07-003003		CAP 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 (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		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
25	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
26	01-001900		VALVE, CHECK (Pilot operated) (no cartridges protrude from block)	1
	01-202000		VALVE, PRESSURE RELIEF (two cartridges protrude from side of block)	1
27	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	2
28	07-062016		WASHER, FLAT (3/8")	2
29	07-065016		WASHER, HELICAL LOCK (3/8")	2
30	2144710		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2
31	06-044300		90° ELBOW, STRAIGHT THREAD (4 C50X-S)	2
32	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
33	2146910		CONSOLE WELDMENT, CONTROL (with type 1 valve bank)	1
	2140350		CONSOLE WELDMENT, CONTROL (with type 2 valve bank)	1
34	10-069600		CLAMP, TUBE (1-1/4")	2

TITLE PLATFORM ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	04.09	SIMON AERIALS INC.	REV. 02 SEP., 1993	PART NO. 3518090
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Art # A04.06002E

TITLE

PLATFORM ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 02 SEP., 1993

PART
NO.

3518090

PLATE
NO.

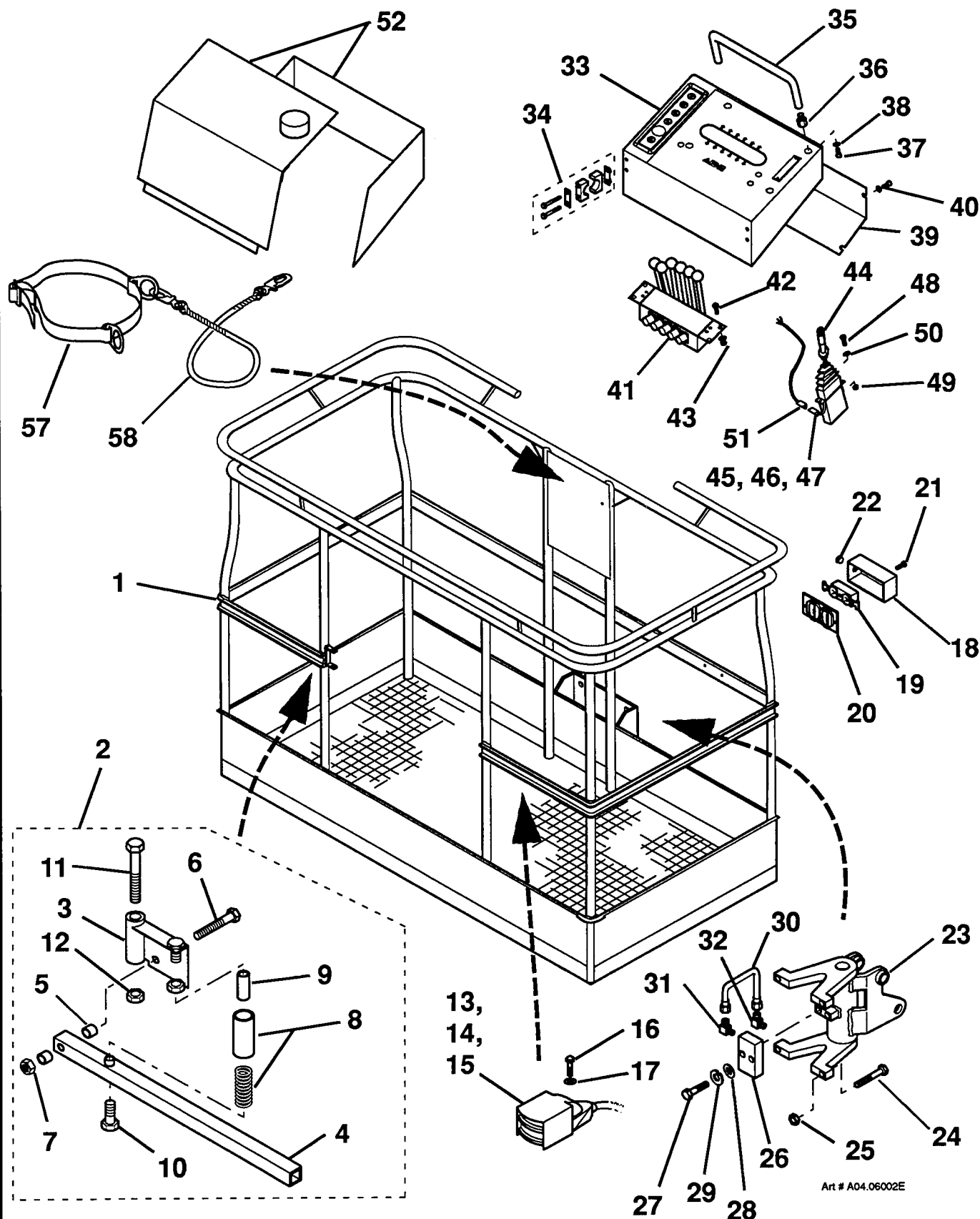
04.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
35	2146990		BAR, GRAB [14-3/4" (375 mm) wide x 4-1/2" (114 mm) high] (for earlier models)	2
	2133020		BAR, GRAB [15-1/2" (394 mm) wide x 4-1/2" (114 mm) high] (for later models)	1
	2175060		BAR, GRAB [15-1/2" (394 mm) wide x 8-1/2" (216 mm) high] (for later models)	1
36	2114330		PLUG (Modified 12 PNTX)	4
37	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
38	07-065018		WASHER, HELICAL LOCK (1/2")	4
39	2140390		COVER, CONTROL CONSOLE (Rear)	1
40	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	6
41	01-092000	06.09	VALVE BANK ASSEMBLY, PLATFORM (Type 1) Note: On a "Type 1" assembly, the brackets mounting the valve bank to the platform control console are "L" shaped .	1
	01-098500	06.13	VALVE BANK ASSEMBLY, PLATFORM (Type 2) Note: On a "Type 2" assembly, the brackets mounting the valve bank to the platform control console are flat .	1
42	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	4
43	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
44	01-083400	29.05	VALVE, DRIVE CONTROLLER	1
45	03-451100		CONNECTOR, MALE (3 Conductor)	1
46	03-451000		SOCKET, TERMINAL	3
47	03-457100		WEDGE, CONNECTOR (3 Pin)	1
48	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
49	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
50	07-062014		WASHER, FLAT (1/4")	2
51	03-459700		HARNESS, STEERING WIRE	1
52			COVER, CONTROL CONSOLE	
	2146980		(Hinged metal) (option, with type 1 valve bank)	1
	2172380		(Hinged metal) (option, with type 2 valve bank)	1
	10-116900		(Vinyl cloth) (option)	1
53	10-163800		STUD, BUTTON SNAP (Stainless steel) (for vinyl cover)	A.R.
54	07-099300		RIVET, BLIND (Stainless steel) (for vinyl cover)	A.R.
55	03-038800		LAMP, CONTROL PANEL (hooded) (option, not shown)	2
56	03-418600		BULB, PANEL LAMP (#68)	2
57	10-034000		BELT, SAFETY	1
58	10-033900		LANYARD, SAFETY BELT	1
59	11-085200		BOX, TECHNICAL MANUAL STORAGE (not shown)	1
60	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	A.R.

TITLE	PLATFORM ASSEMBLY (PLATE 2 OF 2)		
PLATE NO.	04.09	SIMON AERIALS INC.	PART NO. 3518090

REV. 02 SEP., 1993



TITLE

PLATFORM ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 02 SEP., 1993

PART
NO.

3518090

PLATE
NO.

04.09

PARTS LIST

[illegible]

TITLE

PLATFORM SENSOR RING ASSEMBLY

**PLATE
NO.**

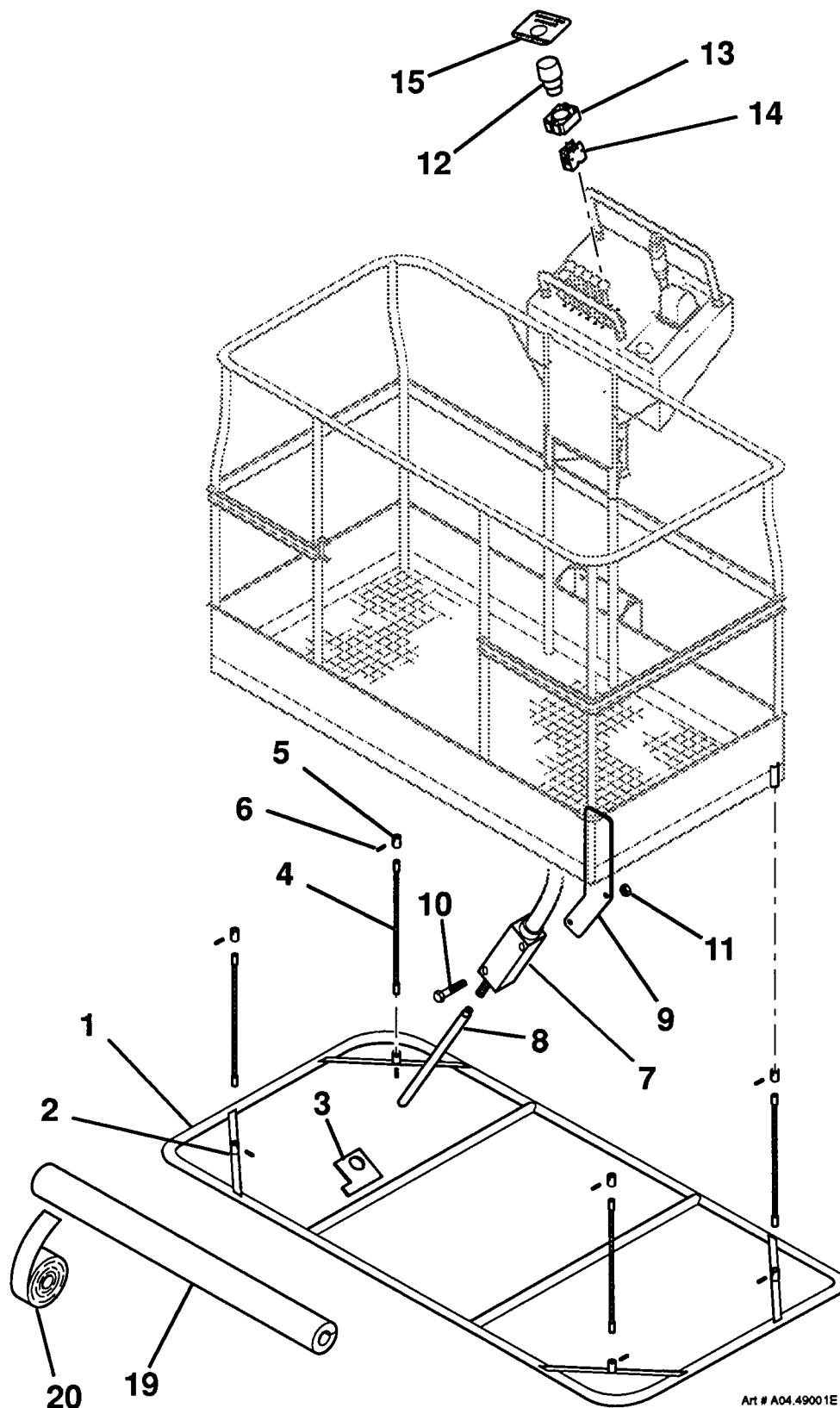
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SIMON AERIALS INC.

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.

04.48

PARTS LIST

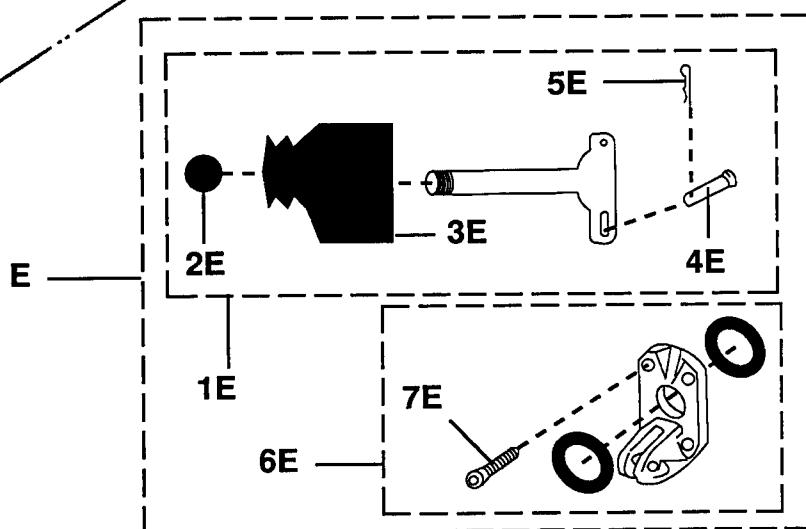
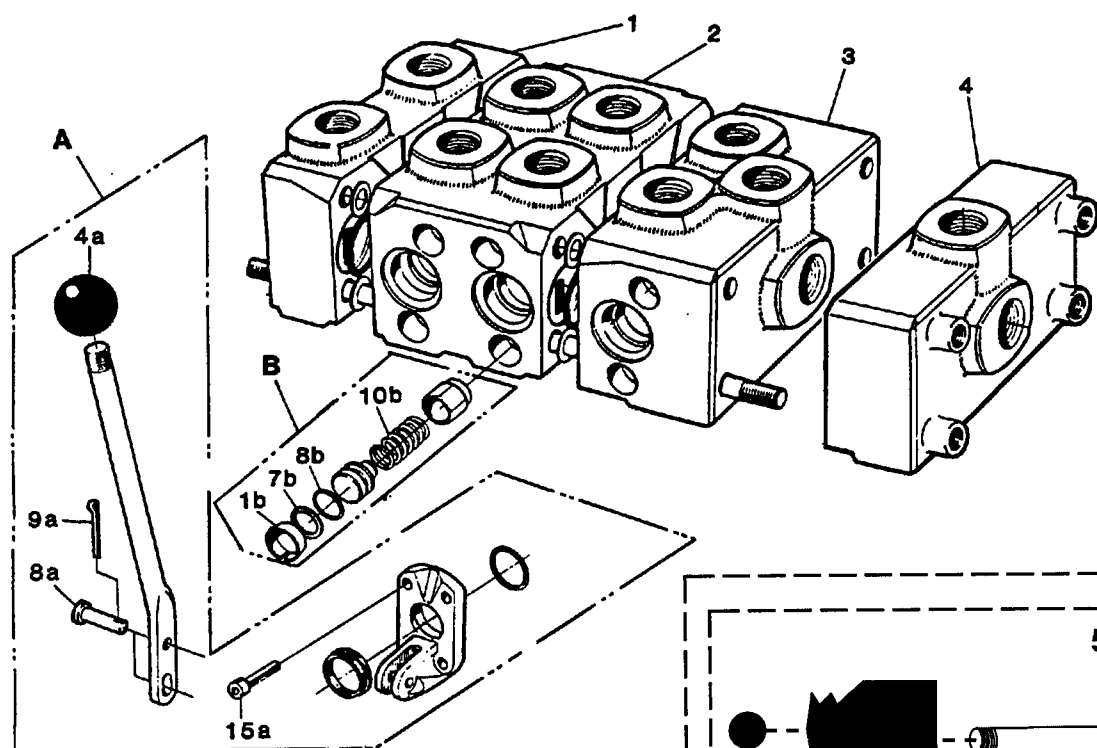
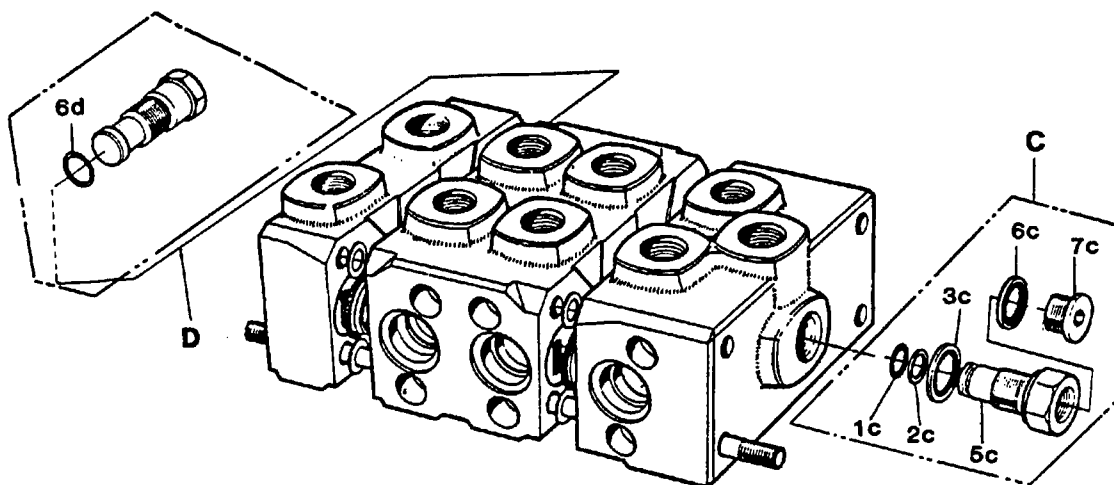
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3517618		VALVE BANK ASSY, PLATFORM CONTROL (6 Spool)	1
	3517580		VALVE BANK ASSY, PLATFORM CONTROL (4 Spool)	1
	01-092000		VALVE BANK ASSEMBLY, PLATFORM	1
1	01-092100		VALVE BANK ASSEMBLY, GROUND	1
2			VALVE SECTION, INLET	1
			VALVE SECTION, TELESCOPE AND SWING	1
			VALVE SECTION, LOWER, UPPER	1
			VALVE SECTION, UPPER BOOM LEVELING (PLATFORM ONLY)	1
3			VALVE SECTION, OUTLET (PLATFORM)	1
4			VALVE SECTION, OUTLET (GROUND)	1
A	01-072701		LEVER ASSEMBLY, HAND (PLATFORM ONLY)	1
4A	01-072702		BALL, VALVE LEVER	1
8A			BOLT	1
9A			PIN, COTTER	1
15A			SCREW	2
B	01-072704		VALVE, CHECK	1
1B			CAP, PROTECTIVE	1
7B			RING, BACK-UP	1
8B			O-RING	1
10B			SPRING	1
C	01-072708		CONNECTION PORT, TANK VALVE	1
1C			O-RING	1
2C			RING, BACK-UP	1
3C			RING, SEALING	1
C	01-072711		CONNECTION PORT, BLOCKING	1
1C			O-RING	1
2C			RING, BACK-UP	1
3C			RING, SEALING	1
5C			SLEEVE, POWER BEYOND (GROUND ONLY)	1
6C			RING, SEALING	1
7C			PLUG	1
D			PLUG	1
6D			O-RING	1
E			LEVER ASSEMBLY, HAND (GROUND ONLY)	1
1E	01-086301		LEVER SUBASSEMBLY	1
2E	• 01-072702		BALL, VALVE LEVER	1
3E			BOOT	1
4E			BOLT	2
5E			PIN, COTTER	2
6E	01-086302		BASE ASSEMBLY, LEVER	1
7E			SCREW	2

TITLE GROUND/ PLATFORM VALVE BANK ASS'Y. (PLATE 1 OF 2)

PLATE NO. 06.09 **SIMON AERIALS INC.**

REV. 03 SEP., 1993
THIS SHEET ONLY

PART NO.



TITLE GROUND/ PLATFORM VALVE BANK ASS'Y. (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 11/13/90

PART
NO.

PLATE
NO. 06.09

PARTS LIST

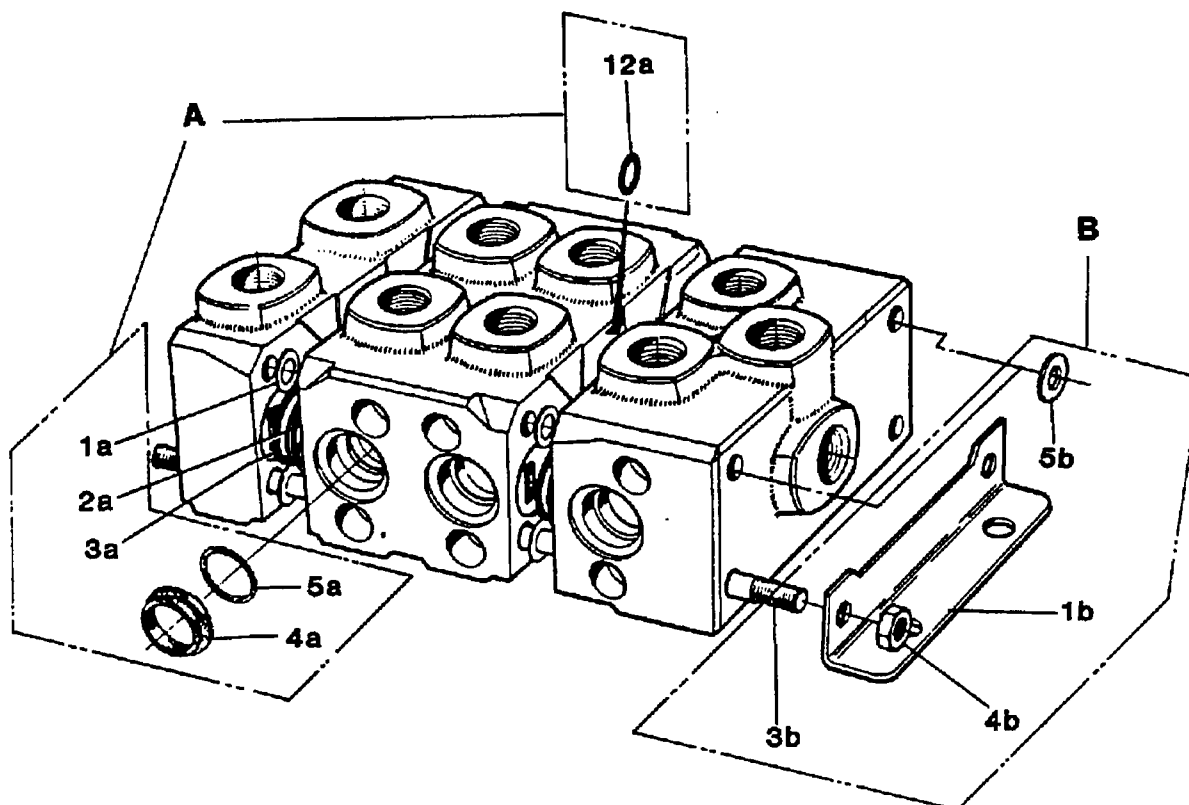
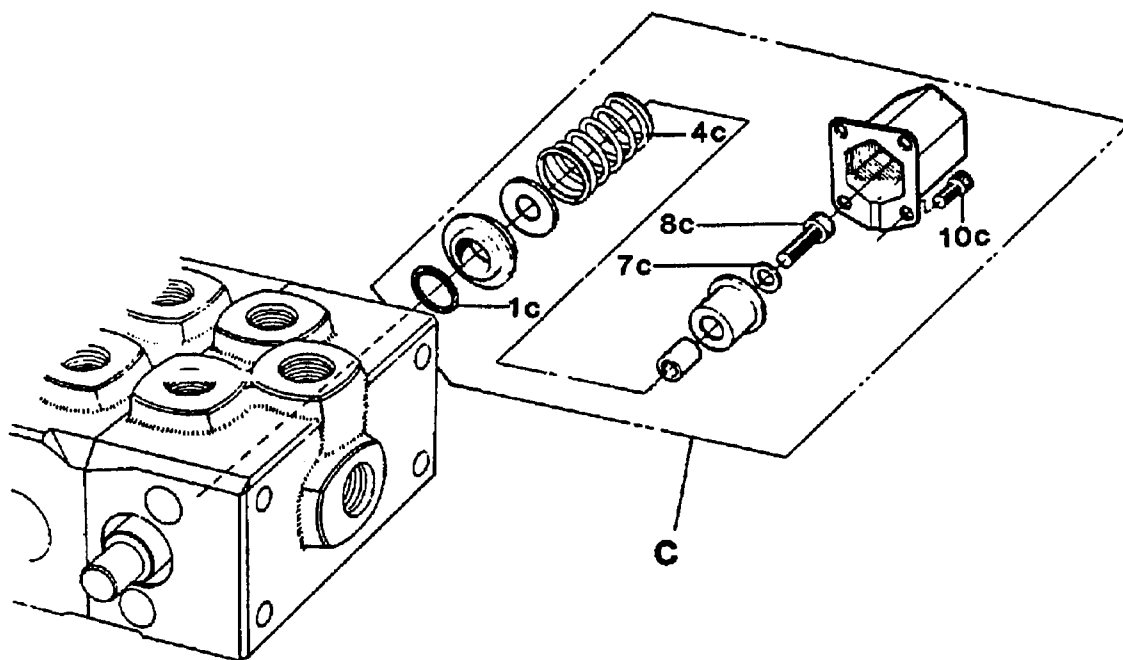
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
A	01-072709		SEAL KIT	1
1A			RING, SPACER	
2A			O-RING	
3A			RING, BACK-UP	
4A			SEAL	
5A			O-RING	
12A			O-RING	
B	01-072713		TIE ROD KIT (7 Section) (Platform valve bank only)	1
1B			PLATE, MOUNTING	1
3B			TIE ROD	4
4B			NUT	8
5B			WASHER	8
B	01-072706		TIE ROD KIT (5 Section) (Ground valve bank only)	1
1B			PLATE, MOUNTING	1
3B			TIE ROD	4
4B			NUT	8
5B			WASHER	8
C	01-072710		CAP ASSEMBLY, VALVE SPRING	1
1C			O-RING	1
4C			SPRING	1
7C			WASHER	1
8C			SCREW	1
10C			SCREW	4
			The following items are not illustrated:	
			for Ground Valve Bank:	
1	01-021000		GAUGE, HYDRAULIC PRESSURE (0-4000 PSI)	1
2	06-044300		ELBOW, 90° STRAIGHT THREAD (4 C50X)	8
3	06-044600		ELBOW, 90° STRAIGHT THREAD (6 C50X)	4
4	06-086600		ADAPTER, FEMALE PIPE (6-1/4 F505)	1
5	06-090500		REDUCER (8-4 F50G5)	10
6	06-090800		REDUCER (10-6 F50G5)	4
			for Platform Valve Bank:	
7	06-039600		CONNECTOR, STRAIGHT THREAD (4-8 F50X)	12
8	2144690		CONNECTOR, STRAIGHT THREAD (Modified 4-8 F50X)	2
9	06-040000		CONNECTOR, STRAIGHT THREAD (6-10 F50X)	2

TITLE GROUND/ PLATFORM VALVE BANK ASS'Y. (PLATE 2 OF 2)

PLATE NO. 06.09 **SIMON AERIALS INC.**

REV. 11/13/90

PART NO.



TITLE GROUND/ PLATFORM VALVE BANK ASS'Y. (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 11/13/90

PART
NO.

PLATE
NO. 06.09

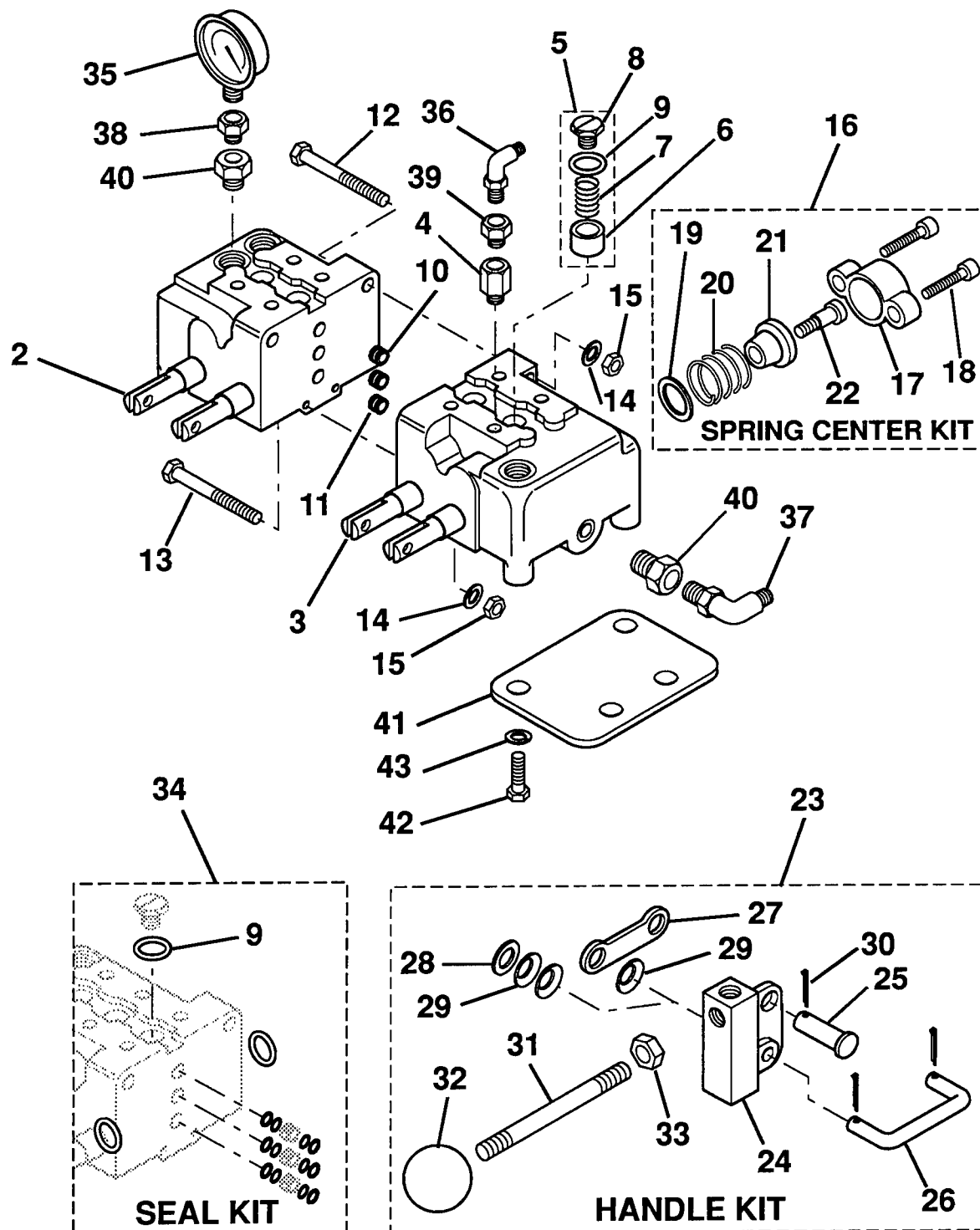
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-098400		VALVE BANK ASSEMBLY, GROUND CONTROL (4 Spool)	1
2	01-098405		INLET SECTION, 2 SPOOL	1
3	01-098404		OUTLET SECTION, 2 SPOOL	1
4	01-098410		VALVE ASSY., FLOW CONTROL (5 L/ min., pres.comp.)	2
5			VALVE KIT, LOAD CHECK	4
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	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
11	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
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	4
17			CAP, END	1
18			SCREW	2
19			WASHER	1
20			SPRING, RETURN	1
21			SPACER	1
22			BOLT, SHOULDER	1
23	01-098701		HANDLE KIT (3" handle)	4
24	01-098402		BLOCK, PIVOT	1
25	01-098403		PIN, CLEVIS	1
26	01-098413		C-HOOK	1
27	01-098414		LINK (for spools 1 and 4 only)	1
28	01-098411		WASHER, FLAT (for spools 2 and 3 only)	1
29	01-098409		WASHER, SPRING (2 for spools 2 and 3, 1 for rest)	2
30	01-098412		PIN, COTTER	3
31	01-098406		ROD, HANDLE (3")	1
32	01-098407		KNOB, BALL (Plastic)	1
33	01-098408		NUT, JAM	1
34	01-098401		SEAL KIT (5 Spool)	1
35	01-021000		GAUGE, HYDRAULIC PRESSURE (0-4000 PSI)	1
36	06-044300		ELBOW, 90° STRAIGHT THREAD (4 C50X)	8
37	06-044600		ELBOW, 90° STRAIGHT THREAD (6 C50X)	4
38	06-087300		ADAPTER, FEMALE PIPE (10-4 F50G)	1
39	06-090500		REDUCER (8-4 F50G5)	8
40	06-090800		REDUCER (10-6 F50G5)	4
41	2168730		PLATE, VALVE BANK MOUNTING	2
42	07-003449		SCREW, HEX HEAD (5/16"-24 x 1/2")	4
43	07-065015		WASHER, SPLIT LOCK (5/16")	4

TITLE	GROUND VALVE BANK ASSEMBLY, 4 SPOOL
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PLATE NO.	06.12	SIMON AERIALS INC.	REV. 09/20/90	PART NO.	3522290
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REV. 09/20/90



TITLE

GROUND VALVE BANK ASSEMBLY, 4 SPOOL

SIMON AERIALS INC.

REV. 09/20/90

PART
NO.

3522290

PLATE
NO.

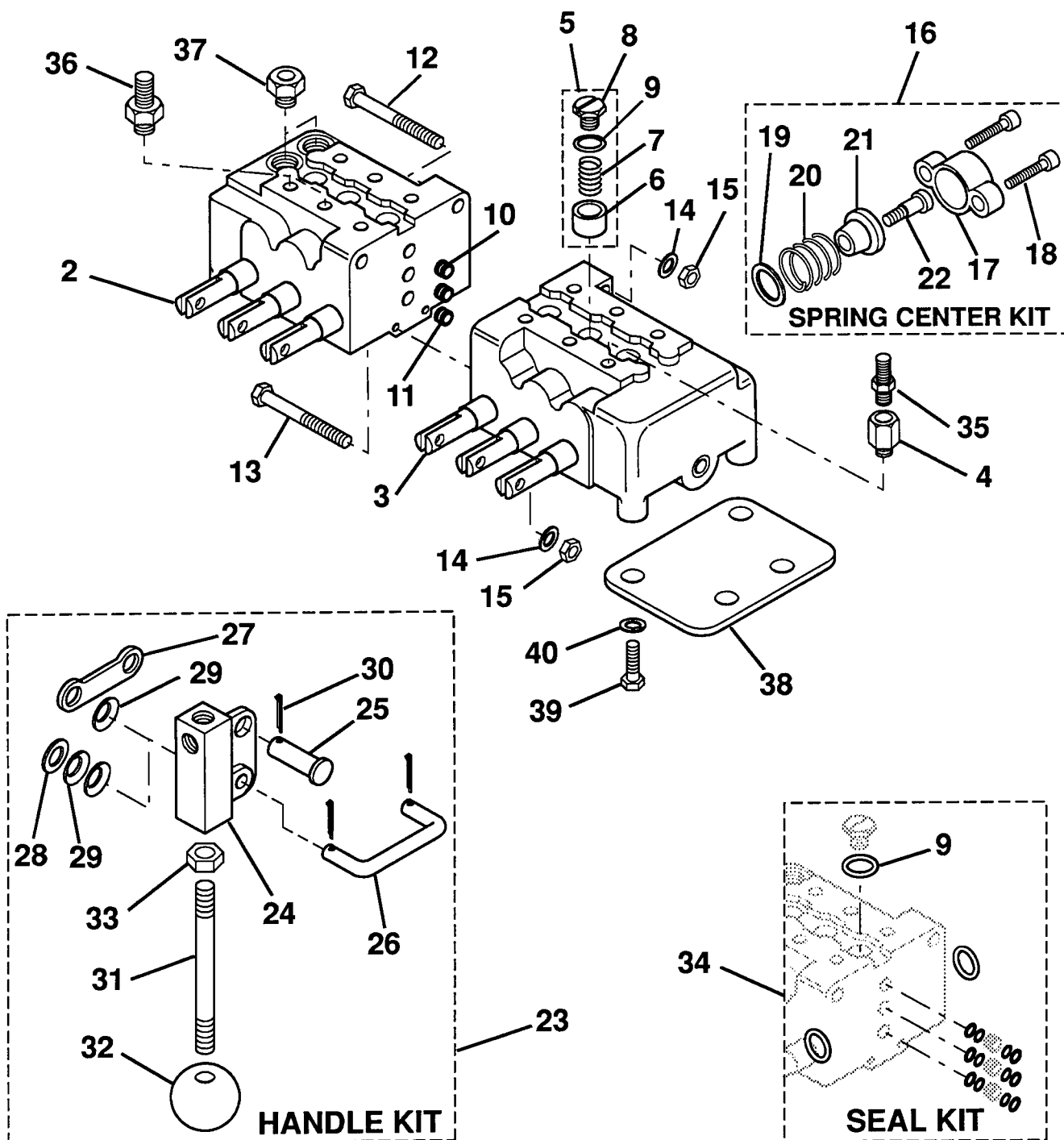
06.12

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-098500		VALVE BANK ASS'Y., PLATFORM CONTROL (6 Spool)	1
2	01-098505		INLET SECTION, 3 SPOOL	1
3	01-098504		OUTLET SECTION, 3 SPOOL	1
4	01-098410		VALVE ASSY., FLOW CONTROL (5 L/ min., pres.comp.)	2
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 33)	1
10	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
11	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
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	4
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 (5" handle, for spools 1 and 2)	2
	01-098902		HANDLE KIT (5-3/4" handle, for spools 3, 4, 5 and 6)	4
24	01-098402		BLOCK, PIVOT	1
25	01-098403		PIN, CLEVIS	1
26	01-098413		C-HOOK	1
27	01-098414		LINK (for spools 1, 2, 5 and 6 only)	1
28	01-098411		WASHER, FLAT (for spools 3 and 4 only)	1
29	01-098409		WASHER, SPRING (2 for spools 3 and 4, 1 for rest)	2
30	01-098412		PIN, COTTER	3
31	01-098502		ROD, HANDLE (5")	1
	01-098503		ROD, HANDLE (5-3/4")	1
32	01-098407		KNOB, BALL (Plastic)	1
33	01-098408		NUT, JAM	1
34	01-098501		SEAL KIT (7 Spool)	1
35	06-039600		CONNECTOR, STRAIGHT THREAD (4-8 F50X)	10
36	2144690		CONNECTOR, STRAIGHT THREAD (Modified 4-8 F50X)	2
37	06-040000		CONNECTOR, STRAIGHT THREAD (6-10 F50X)	2
38	2168730		PLATE, VALVE BANK MOUNTING	2
39	07-003449		SCREW, HEX HEAD (5/16"-24 x 1/2")	4
40	07-065015		WASHER, SPLIT LOCK (5/16")	4

TITLE PLATFORM VALVE BANK ASSEMBLY, 6 SPOOL

PLATE NO.	06.13	SIMON AERIALS INC.	REV. 09/20/90	PART NO.	3522300
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TITLE

PLATFORM VALVE BANK ASSEMBLY, 6 SPOOL

SIMON AERIALS INC.

REV. 09/20/90

PART
NO.

3522300

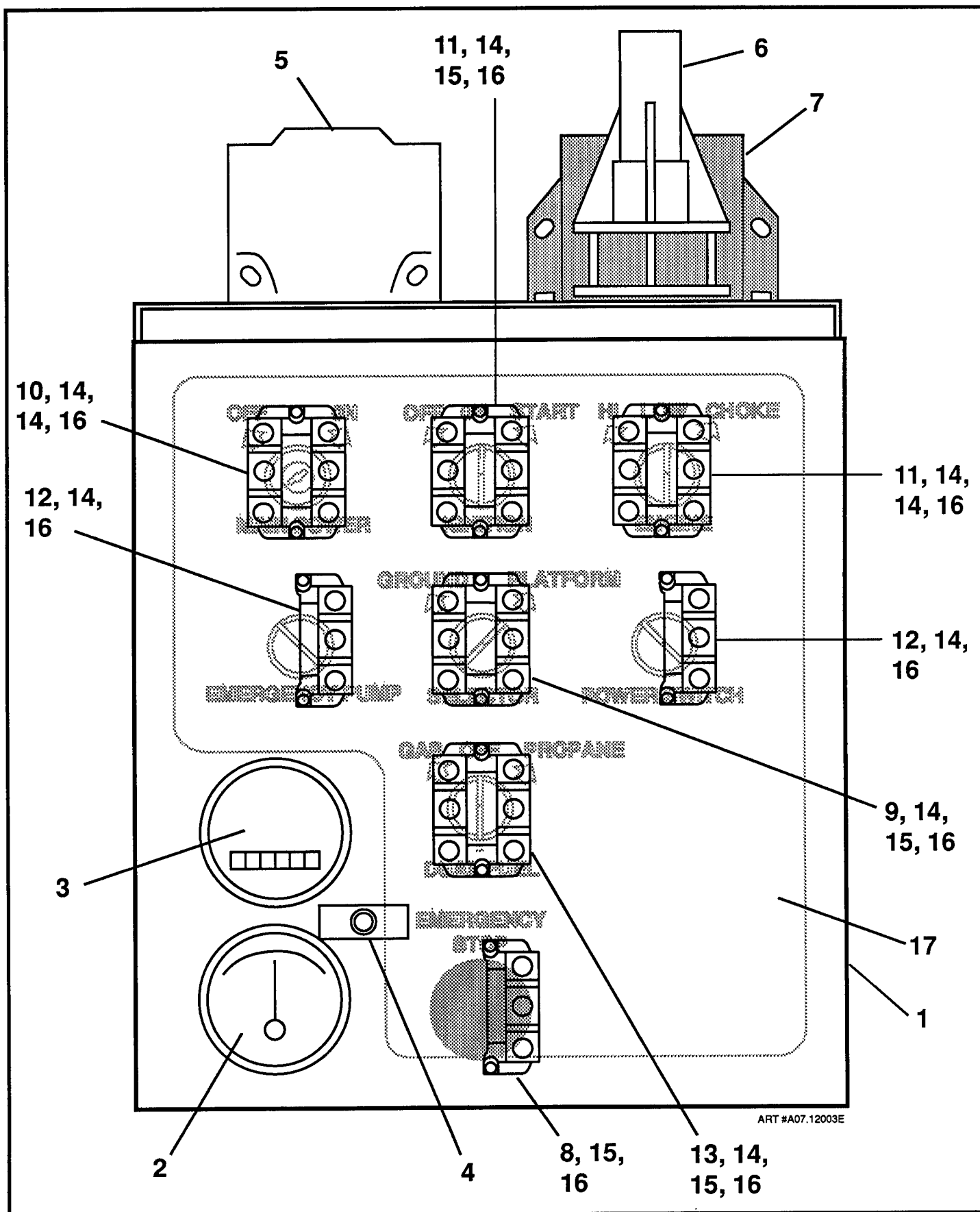
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NO.

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GROUND CONTROL BOX (PLATE 1 OF 2)

PART NO.	3515510
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TITLE

GROUND CONTROL BOX (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 10 FEB., 1992

PART
NO.

3515510

PLATE
NO.

07.12

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
18	03-051700		RAIL, MOUNTING	1
19	03-037500		SOCKET, DOUBLE POLE RELAY	4
20	03-050100		RELAY, CONTROL (Double pole, double throw, 12 Volt DC)	3
21	03-052800		RELAY, CONTROL (Time delay, 12 Volt DC)	1
22	03-051500		RELAY, CONTROL (Engine shutdown) (Single pole, single throw, 12 Volt DC)	1
23	03-051600		SOCKET, SINGLE POLE RELAY	1
24	03-453600		SOCKET, LATCHING RELAY	1
25	03-453500		RELAY, LATCHING (Dual coil)	1
26	03-450100		CONNECTOR, FEMALE (23 conductor)	3
			The following items, which are part of the box assembly , are not shown:	
27	03-061800		DIODE (on control box wire harness)	3
28	03-450200		NUT, PANEL	3
29	03-450300		WASHER, LOCK	3
30	03-450900		PIN, TERMINAL	45
31	03-451000		SOCKET, TERMINAL	45
32	03-455900		TERMINAL, SPADE (1/4" male)	6
33	03-456000		TERMINAL, SPADE (1/4" female)	6
34	03-456100		HOUSING, TERMINAL (6 contact)	1
35	03-456500		HOUSING, TERMINAL (2 contact, black color)	3
36	03-456600		HOUSING, TERMINAL (2 contact, brown color)	3
			The following items, which are not part of the box assembly , are not shown:	
37	03-475700		HARNESS, HYDRAULIC MANIFOLD WIRE (for units with front and rear wheel brakes)	1
	03-468000		(for units with rear wheel brakes only)	1
	03-459500		(for units without wheel brakes)	1
38	03-450400		CONNECTOR, MALE (23 conductor)	1
39	03-459700		HARNESS, STEERING WIRE	1

TITLE

GROUND CONTROL BOX (PLATE 2 OF 2)

PLATE
NO.

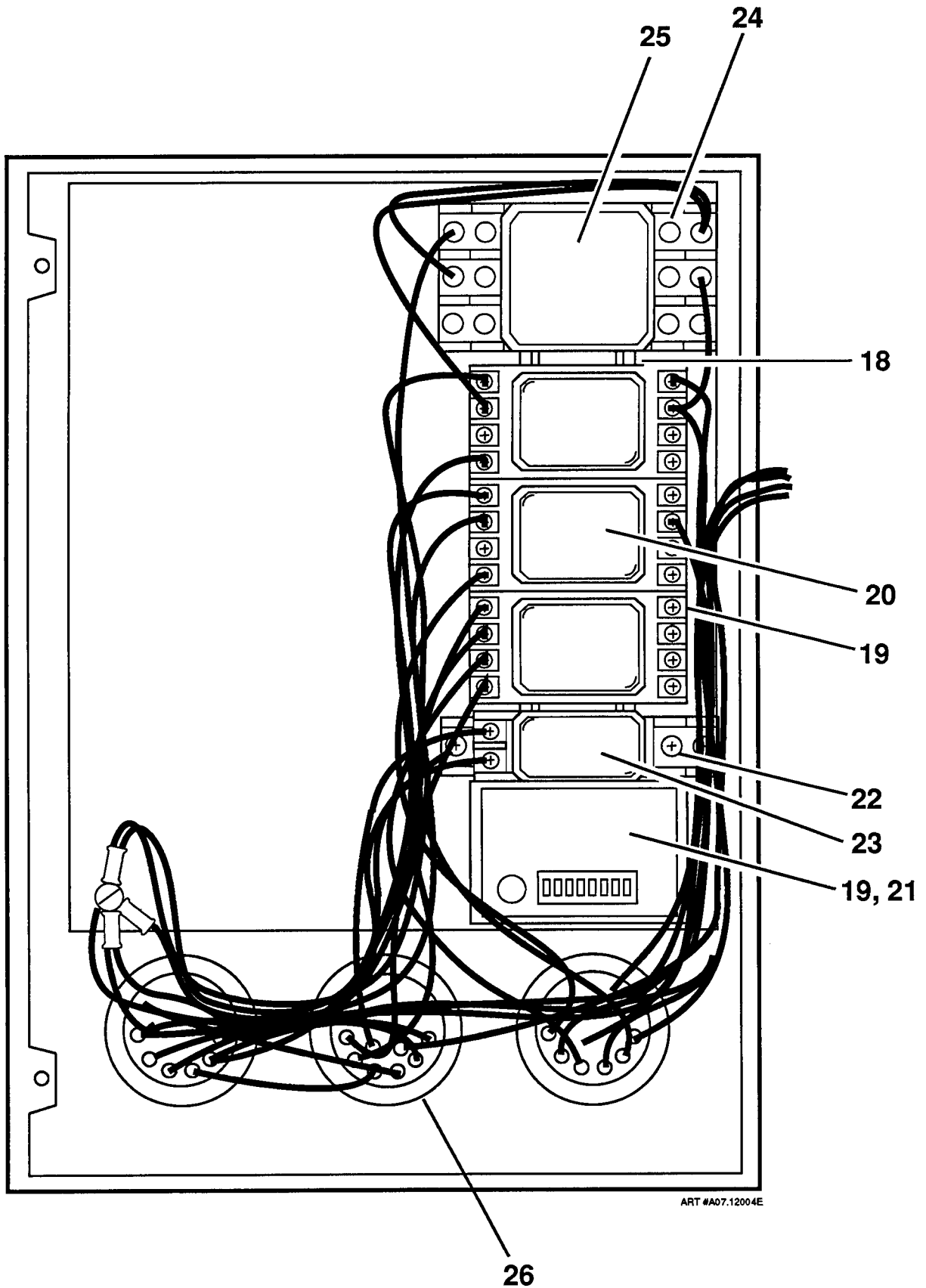
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SIMON AERIALS INC.

REV. 10 FEB., 1992

PART
NO.

3515510



ART #A07.12004E

TITLE

GROUND CONTROL BOX (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 10 FEB., 1992

PART
NO.

3515510

PLATE
NO.

07.12

PARTS LIST

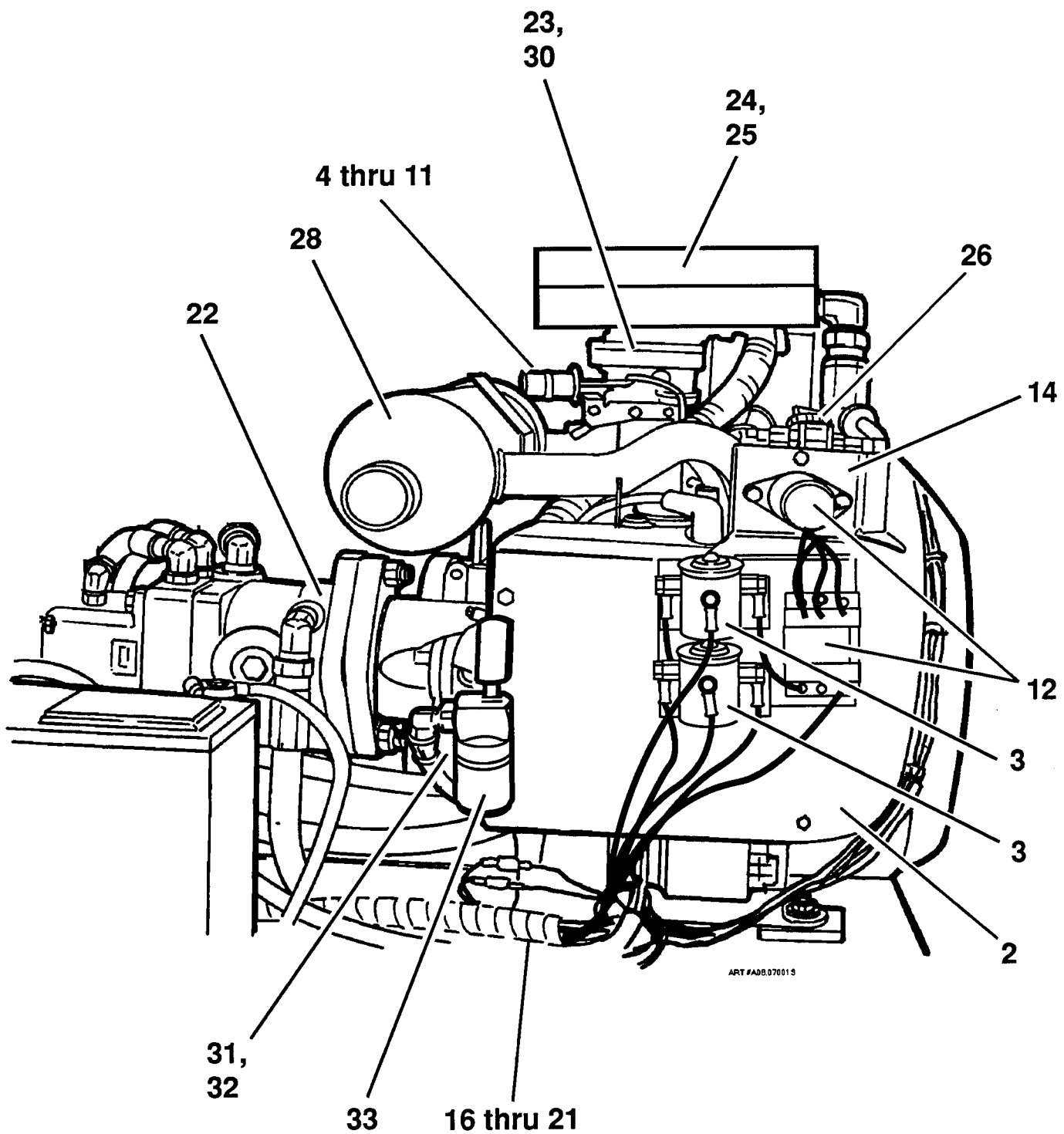
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3516280		ENGINE ASSEMBLY (Gas)	1
	3516310		ENGINE ASSEMBLY (Dual Fuel . . . Gasoline/ Propane)	1
2	09-044700		ENGINE (Onan P224) (with Muffler and oil shutdown)	1
			Note: P224 engine supercedes the earlier T260 engine. Oil dipstick on P224 is at right rear of engine.	
	09-031000		ENGINE (Onan T260 Gas)	1
	09-031800		ENGINE (Onan T260 Dual Fuel)	1
			Note: T260 engine has been superceded by the P224 engine. Oil dipstick on T260 is at left front of engine.	
3	03-051300		RELAY (Single pole, single throw)	3
4	09-042000		CHOKE ASSEMBLY, ELECTRIC	1
5	03-414400		SOLENOID (12 Volt DC, 60 Ohm, 24 Watt)	1
6	2109010		BRACKET, ELECTRIC CHOKE	1
7			PIN, ROLL	1
8			LEVER ASSEMBLY	1
9			LINK	1
10			SPRING, EXTENSION	1
11			SCREW	2
12	03-456800		SOLENOID, THROTTLE (with module)	1
13	2142770		LINK, THROTTLE SOLENOID TO GOVERNOR ARM	1
14	2121990		BRACKET, THROTTLE	1
15	03-074000		CABLE ASSEMBLY, POWER (9-3/4" long) (not shown)	1
16	03-459400		HARNESS, ENGINE WIRE	1
17	03-450400		CONNECTOR, MALE (23 conductor)	1
18	03-450900		PIN, TERMINAL	3
19	03-451100		CONNECTOR (3 conductor)	1
20	03-457100		WEDGE, 3 PIN CONNECTOR	1
21	03-451000		SOCKET, TERMINAL	14
22	3516300	12.01	PUMP ASSEMBLY, HYDRAULIC	1
23	2131450		SPACER, AIR CLEANER (with gas engine)	1
24	09-031004		FILTER, AIR	1
25	09-031003		WRAPPER, AIR FILTER	1
26	09-017100		VALVE, FUEL SHUT OFF (10 Watt)	1
27			FILTER, OIL (not shown, on far side of engine)	1
28	09-031001		MUFFLER, ENGINE EXHAUST	1
29	09-039200		CONVERSION KIT, DUAL FUEL	1
30			CARBURETOR, PROPANE	1
31	09-038102		VAPORIZER, PROPANE	1
32	2153390		BRACKET, VAPORIZER MOUNTING	1
35	09-028800		VALVE, PROPANE SHUT OFF	1
33	09-015800		SWITCH, VACUUM SAFETY (not shown)	1
34	2133190		BRACKET, VACUUM SWITCH (not shown)	1
35	11-050404		FITTING, HOSE (barbed, 1/4" hose, 1/8" male NPT)	1

TITLE ENGINE ASSEMBLY, ONAN 24 H.P. GAS/ DUAL FUEL

PLATE NO. 08.07 SIMON AERIALS INC.

REV. 09/20/90

PART NO.



TITLE

ENGINE ASSEMBLY, ONAN 24 H.P. GAS/ DUAL FUEL

SIMON AERIALS INC.

REV. 09/20/90

PART
NO.

PLATE
NO.

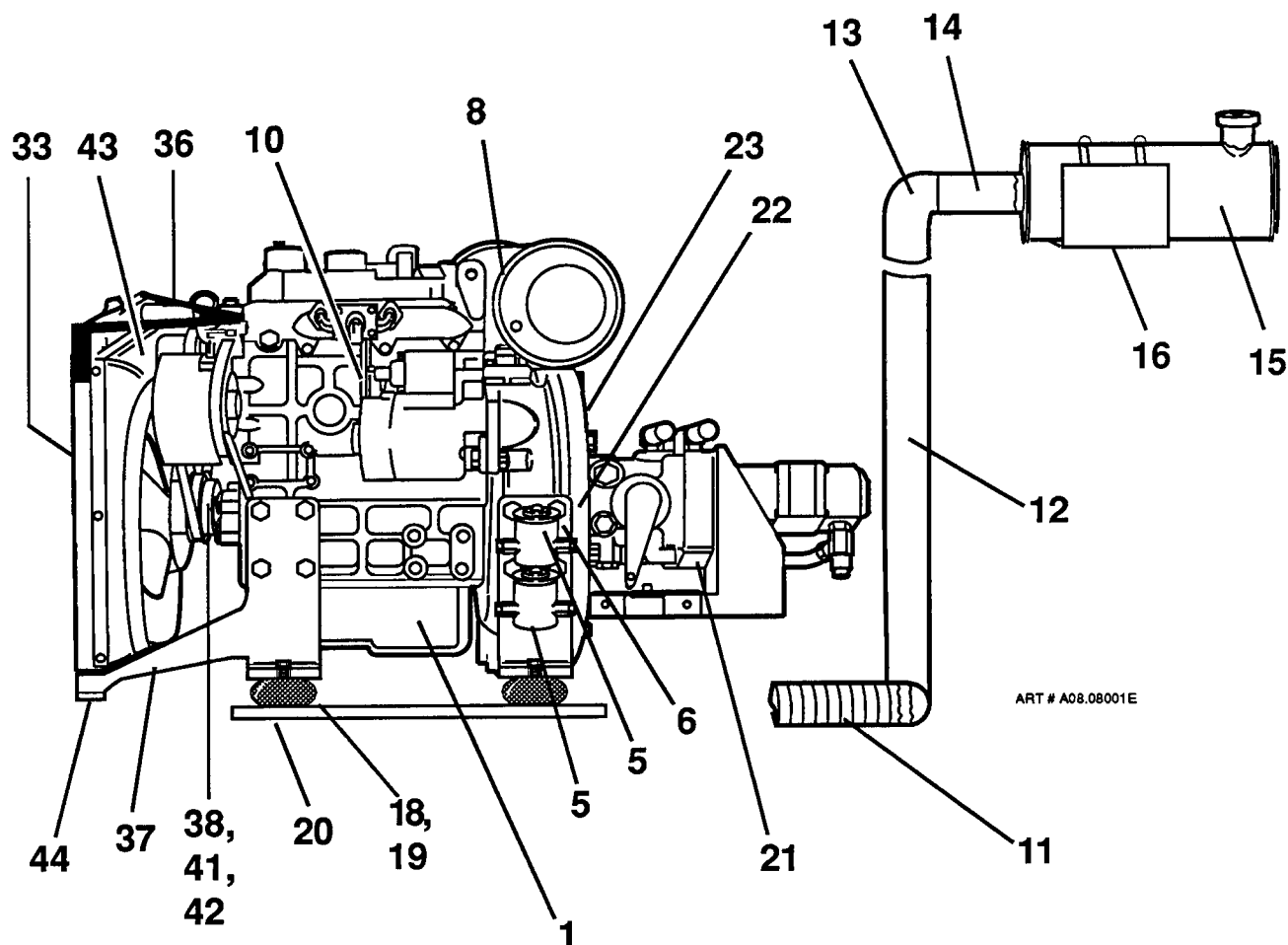
08.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-033800		ENGINE ASSEMBLY, DIESEL (Perkins Model 3.10) [24 HP (17.9 Kw) @ 3600 RPM]	1
2	09-033804		FILTER, OIL (ref. Perkins # 140516190)	1
3	09-033805		FILTER, FUEL (ref. Perkins # 130366020)	1
4	09-033806		ELEMENT, AIR FILTER (ref. Perkins # 314531124)	1
5	03-051300		RELAY (Single pole, single throw) (one on far side of engine)	3
6	2142610		BRACKET, RELAY MOUNTING (Earlier version, relays mount over bracket mounting holes)	1
	2151630		BRACKET, RELAY MOUNTING (Later version, relays forward of bracket mounting holes)	1
7	03-456800		SOLENOID, THROTTLE (with module) (Not shown. Mounted on far side of engine)	1
7a	2155640		BRACKET, THROTTLE SOLENOID	1
8	2134790		BRACKET, AIR FILTER (filter mounts at rear of engine)	1
	2176360		BRACKET, AIR FILTER (filter mounts at right side of engine)	1
9	09-025000		ELBOW, EXHAUST (45° angle outlet. Earlier version, for use with horizontal muffler mount at top of superstructure)	1
	2176380		ELBOW, EXHAUST (Straight outlet. Later version, for use with vertical engine exhaust thru superstructure deck)	1
10	2144040		ADAPTER, EXHAUST (for horizontal muffler mount)	1
11	09-035300		TUBING, FLEX (1-3/4" i.d.) (Bulk item, order as needed)	
			(for horizontal muffler mount)	A.R.
	2144400		TUBING, FLEX [1-3/4" i.d. x 1.9' (57.9 cm) long]] (cut length, for horizontal muffler mount)	1
12	2146550		EXTENSION, PIPE [21.5" (54.6 cm)] (for horizontal muffler)	1
13	11-030022		ELBOW, BUTT (for horizontal muffler mount)	2
14	2144380		EXTENSION, PIPE [4" (10.2 cm)] (for horizontal muffler)	1
15	09-001001		MUFFLER, ENGINE EXHAUST (for horizontal mount)	1
	2176410		MUFFLER AND TAILPIPE WELDMENT (vertical mount)	1
16	2144050		BRACKET, MUFFLER MOUNTING (for horizontal muffler)	1
17	2144390		EXTENSION, PIPE (for horizontal muffler mount)	1
18	09-001800		MOUNT, ENGINE	4
19	07-003586		CAP SCREW, HEX HEAD (1/2"-20 x 1-1/4", Grade 5)	4
20	2135870		PLATE, ENGINE MOUNTING BASE (used with deck having specific engine mounting holes)	1
	2173040		PLATE, ENGINE MOUNTING BASE (used with deck having "universal" engine mount cutout)	1
21	3516330	12.01	PUMP ASSEMBLY, HYDRAULIC	1
22	2141490		COUPLING ASSEMBLY	1
23	02-022600		PLATE, PUMP HOUSING MOUNTING	1
24	03-074000		CABLE ASS'Y., POWER [9-3/4" (24.8 cm) long] (not shown)	1

TITLE ENGINE ASSEMBLY, PERKINS 3.10 DIESEL (PLATE 1 OF 2)

PLATE NO.	08.08	SIMON AERIALS INC.	REV.11 FEB., 1992	PART NO.	3516320
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TITLE ENGINE ASSEMBLY, PERKINS 3.10 DIESEL (PLATE 1 OF 2)

SIMON AERIALS INC.

REV.11 FEB., 1992

PART
NO.

3516320

PLATE
NO.

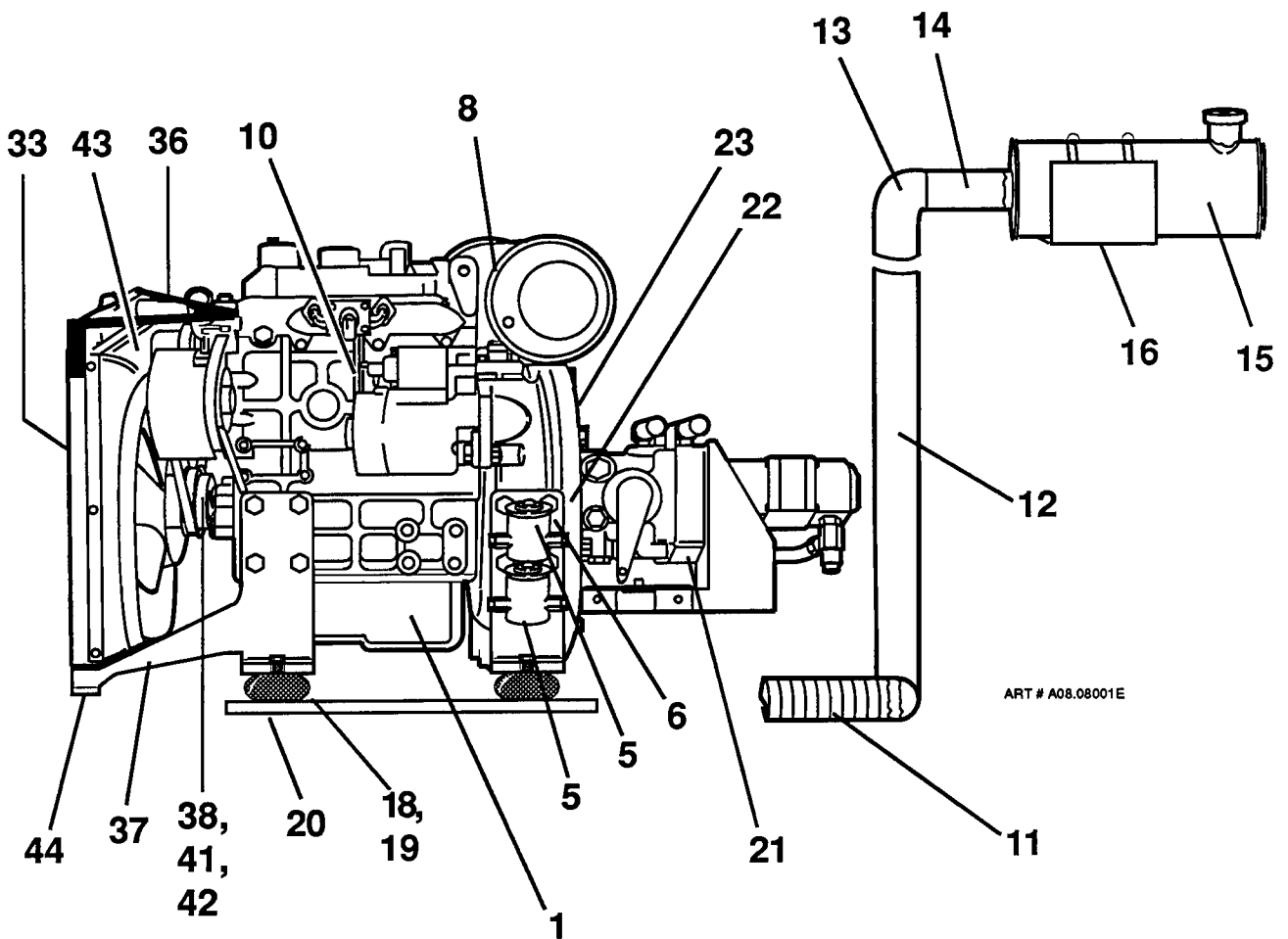
08.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	03-459600		HARNESS, ENGINE WIRE (not shown)	1
26	03-450400		CONNECTOR, MALE (23 conductor)	1
27	03-450900		PIN, TERMINAL	3
28	03-451000		SOCKET, TERMINAL	13
29	03-451100		CONNECTOR (3 conductor)	1
30	03-456000		TERMINAL, SPADE (1/4" female)	1
31	03-457100		WEDGE, 3 PIN CONNECTOR	1
32	03-459200		TERMINAL (1/4" female)	2
The following items (33 thru 47), used with Engine Ass'y. 3516320 (earlier version, fan mounted to crankshaft):				
33	2149460		RADIATOR (modified Perkins part)	1
34	09-041200		HOSE, RADIATOR (upper)	1
35	10-104200		HOSE, RADIATOR [lower, flex, 1-1/8" I.D. x 19" (48 cm)]	1
36	2151600		BRACKET, RADIATOR MOUNTING (Top)	1
37	2143390		BRACKET, RADIATOR MOUNTING (Bottom)	1
38	2135040		ADAPTER, RADIATOR FAN (without engine cooling kit)	1
39	55-000040		COOLING KIT, ENGINE (for Perkins 3.10 engine)	1
40	09-033811		FAN, 7 BLADE (Suction type, replaces Perkins part)	1
41	2163350		ADAPTER, RADIATOR FAN [2" (50.8 mm) thick]	1
			(replaces item 38)	1
42	2170090		SPACER, FAN [1/2" (12.7 mm) thick]	1
43	09-033813		SHROUD, FAN (replaces Perkins component)	1
44	2170050		BRACKET, RADIATOR MOUNTING (Bottom, offset)	1
45	09-033812		ISOLATOR (Perkins part)	2
46	07-039005		NUT, HEX (M8-1.25)	2
47	07-066005		WASHER, LOCK (8mm)	2
The following items (33 thru 45), used with later Engine version (fan mounted to water pump):				
33	09-033801		RADIATOR (Perkins part)	1
34			HOSE, RADIATOR (upper) (Perkins part)	1
35			HOSE, RADIATOR (lower) (Perkins part)	1
36			BRACKET, RADIATOR MOUNTING (Top) (Perkins part)	1
37			BRACKET, RADIATOR MOUNTING (Bottom) (Perkins part)	1
38			ADAPTER, RADIATOR FAN (Perkins part)	1
40	09-033803		FAN, 6 BLADE (Perkins part)	1
43	09-033807		SHROUD, FAN (Perkins part)	1
45	09-033812		ISOLATOR (Perkins part)	2

TITLE ENGINE ASSEMBLY, PERKINS 3.10 DIESEL (PLATE 2 OF 2)

PLATE NO. 08.08	SIMON AERIALS INC.	REV.11 FEB., 1992	PART NO. 3516320
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TITLE ENGINE ASSEMBLY, PERKINS 3.10 DIESEL (PLATE 2 OF 2)

SIMON AERIALS INC.

REV.11 FEB., 1992

PART
NO.

3516320

PLATE
NO.

08.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BOX ASSEMBLY, PLATFORM ELECTRICAL	1
2	03-436400		BOX, JUNCTION (13-1/4" x 3-1/8" x 2-5/8")	1
3	10-099500		DECAL, PLATFORM ELECTRICAL CONTROL	1
4	07-011355		SCREW, HEX HEAD (#10-24 x 3/4")	4
5	07-050011		NUT, STOP (#10-24)	4
6	03-409800		BUTTON, EMERGENCY STOP	1
7	03-436800		SWITCH, IGNITION (3 position rotary)	2
8	03-437000		SWITCH, 2 POSITION ROTARY (1 maintained, 1 momentary contact)	1
9	03-410000		SWITCH, 2 POSITION ROTARY (2 maintained contact)	1
10	03-437200		BLOCK, CONTACT (Normally open)	4
11	03-437300		BLOCK, CONTACT (Normally closed)	3
12	03-454900		BASE, SWITCH MOUNTING	5
13	03-450100		CONNECTOR, RECEPTACLE (23 conductor)	1
14	03-450900		PIN, TERMINAL	20
15	03-450200		NUT, PANEL	1
16	03-450300		WASHER, LOCK	1
17	03-459700		HARNESS, STEERING WIRE (not shown)	1
18	01-083400	29.05	VALVE, DRIVE CONTROLLER	1
19	03-451100		CONNECTOR, MALE (3 conductor)	1
20	03-451000		SOCKET, TERMINAL	3
21	03-457100		WEDGE, CONNECTOR (3 pin)	1
22	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
23	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
24	07-062014		WASHER, FLAT (1/4")	2
25	2146990		BAR, GRAB	2
26	2114330		PLUG (Modified 12 PNTX)	4
27	07-003085		SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
28	07-065018		WASHER, HELICAL LOCK (1/2")	4
29	10-103700		DECAL, PLATFORM CONTROL VALVES	1

TITLE

PLATFORM CONTROL CONSOLE, AT30C

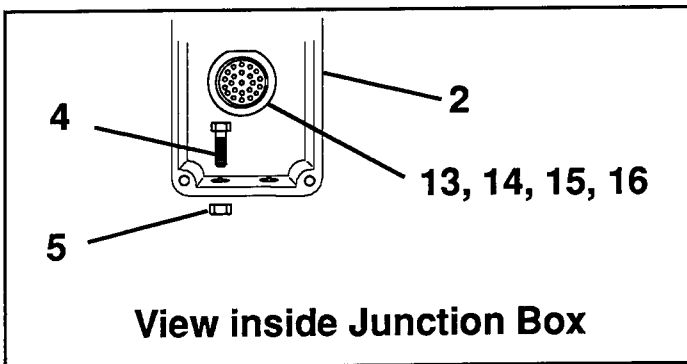
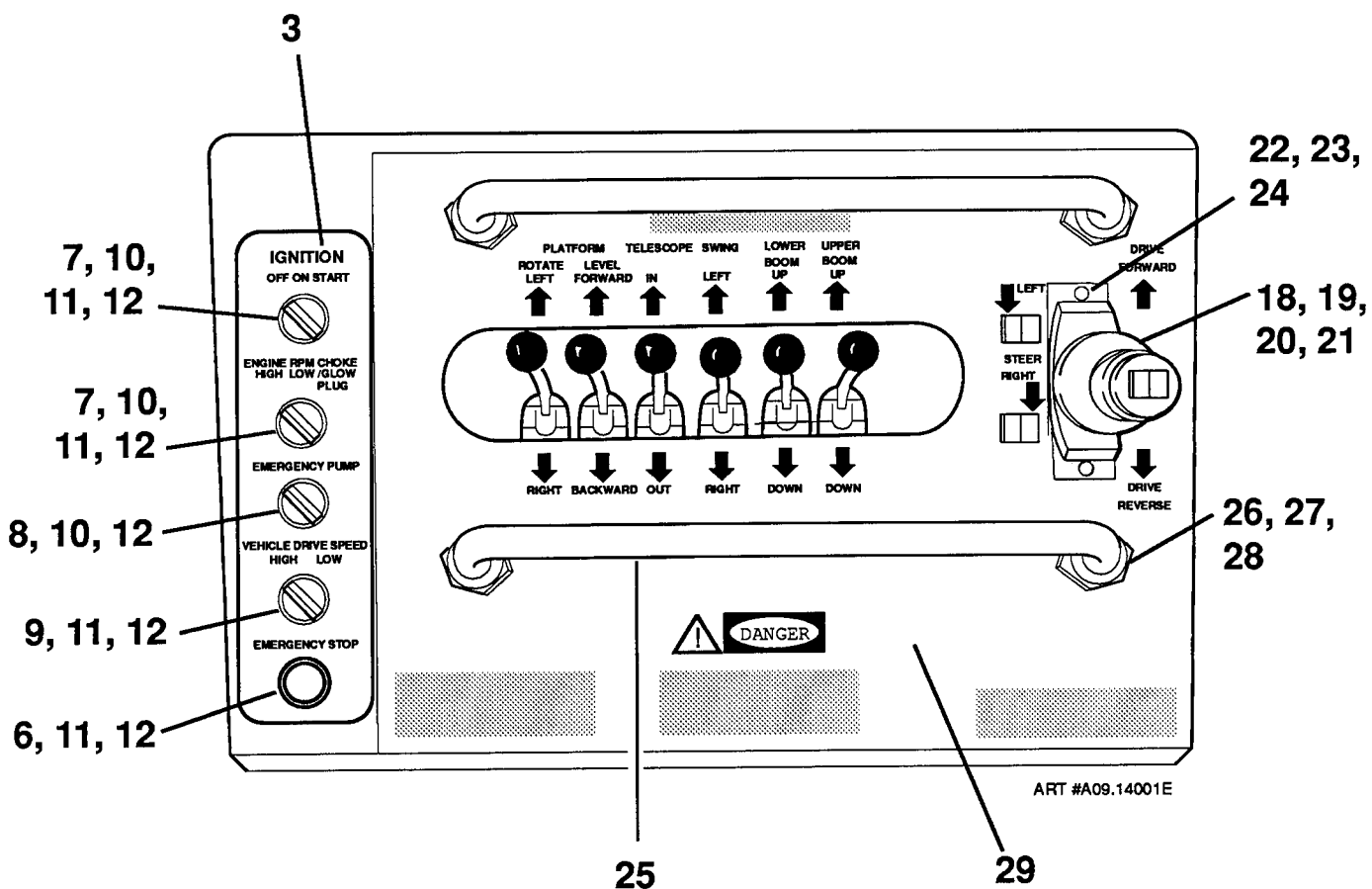
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09.14

SIMON AERIALS INC.

REV. 09/20/90

PART
NO.



TITLE PLATFORM CONTROL CONSOLE, AT30C

SIMON AERIALS INC.

REV. 09/20/90

PART NO.

PLATE NO.

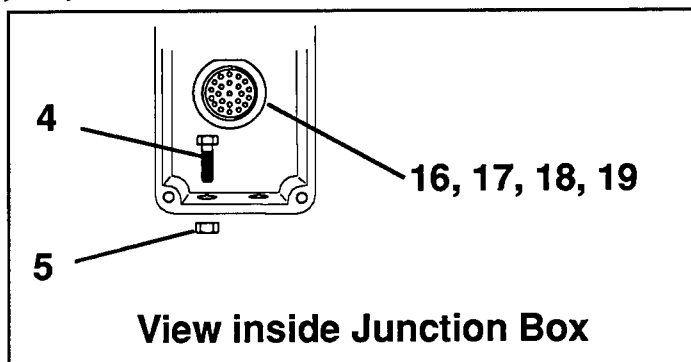
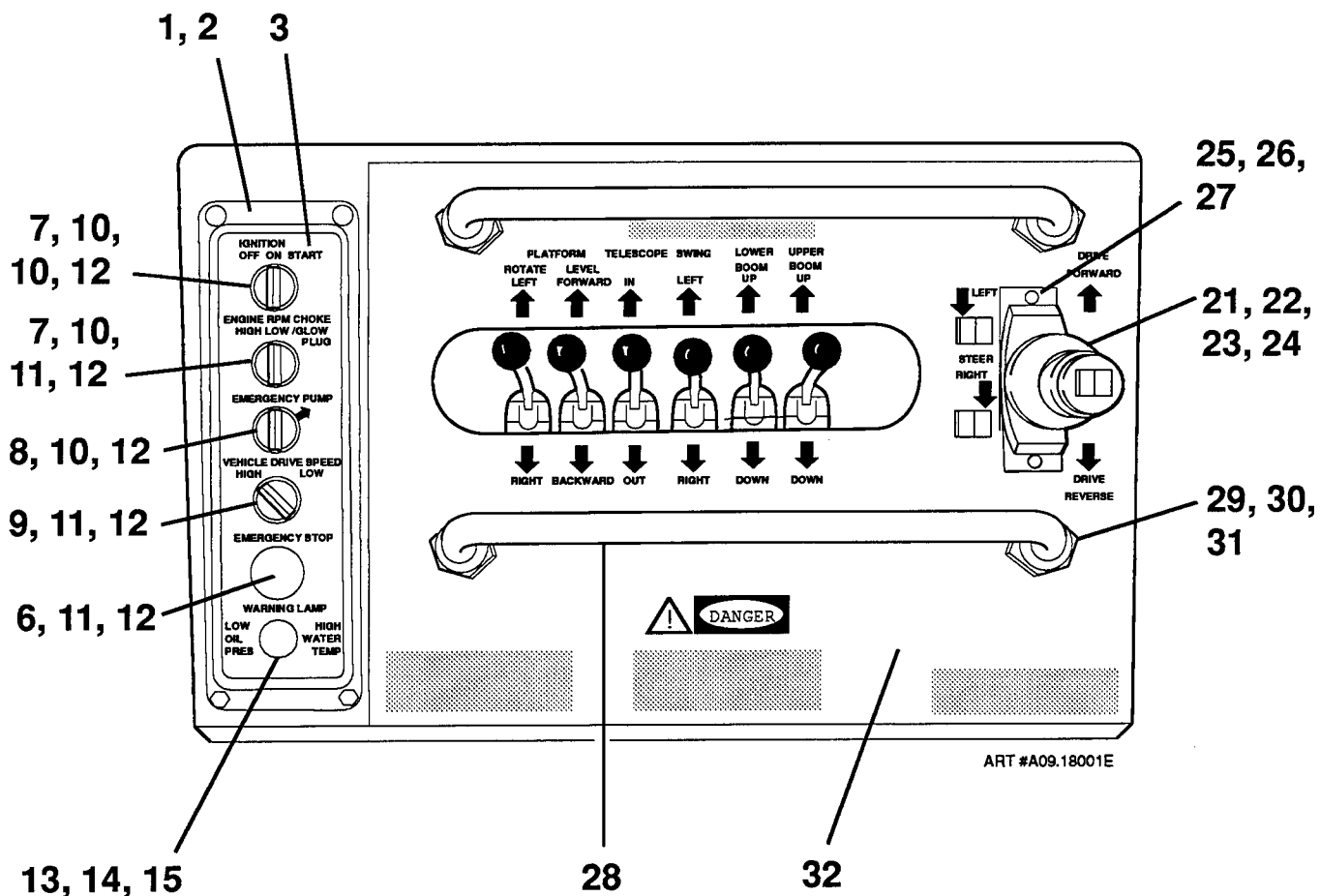
09.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3518680		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
2	03-436400		BOX, JUNCTION (13-1/4" x 3-1/8" x 2-5/8")	1
3	10-107100		DECAL, PLATFORM ELECTRICAL CONTROL	1
4	07-011355		SCREW, HEX HEAD (#10-24 x 3/4")	4
5	07-050011		NUT, STOP (#10-24)	4
6	03-409800		BUTTON, EMERGENCY STOP	1
7	03-436800		SWITCH, IGNITION (3 position rotary)	2
8	03-437000		SWITCH, 2 POSITION ROTARY (1 maintained, 1 momentary contact)	1
9	03-410000		SWITCH, 2 POSITION ROTARY (2 maintained contact)	1
10	03-437200		BLOCK, CONTACT (Normally open)	4
11	03-437300		BLOCK, CONTACT (Normally closed)	3
12	03-454900		BASE, SWITCH MOUNTING	5
13	03-409400		BASE, PILOT LIGHT	1
14	03-463300		LENS, PILOT LIGHT (Red)	1
15	03-409401		BULB, PILOT LIGHT	1
16	03-450100		CONNECTOR, RECEPTACLE (23 conductor)	1
17	03-450900		PIN, TERMINAL	20
18	03-450200		NUT, PANEL	1
19	03-450300		WASHER, LOCK	1
20	03-459700		HARNESS, STEERING WIRE (not shown)	1
21	01-083400	29.05	VALVE, DRIVE CONTROLLER	1
22	03-451100		CONNECTOR, MALE (3 conductor)	1
23	03-451000		SOCKET, TERMINAL	3
24	03-457100		WEDGE, CONNECTOR (3 pin)	1
25	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
26	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
27	07-062014		WASHER, FLAT (1/4")	2
28	2146990		BAR, GRAB	2
29	2114330		PLUG (Modified 12 PNTX)	4
30	07-003085		SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
31	07-065018		WASHER, HELICAL LOCK (1/2")	4
32	10-103700		DECAL, PLATFORM CONTROL VALVES	1

PLATFORM CONTROL CONSOLE

PART
NO.



TITLE PLATFORM CONTROL CONSOLE

SIMON AERIALS INC.

NEW 09/20/90

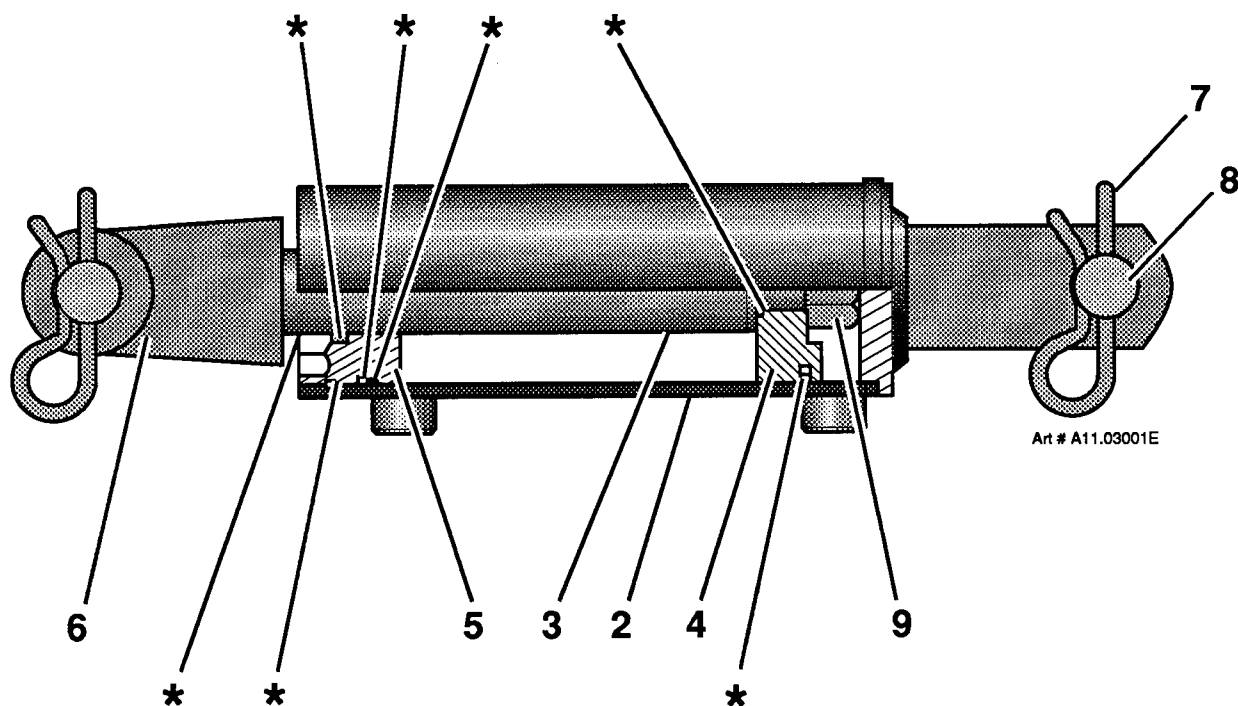
PART NO.

PLATE NO. 09.18

[illegible]

STEER CYLINDER

04-027400



Art # A11.03001E

TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART NO. 04-027400

PLATE NO. 11.03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-028500		CYLINDER, TELESCOPE (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
	04-030700		CYLINDER, TELESCOPE (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
	04-032500		CYLINDER, TELESCOPE (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	04-028302		CARTRIDGE, HOLDING VALVE (for "Type 1" Cylinder)	2
			(for "Type 2" Cylinder)	2
	04-028302		(for "Type 3" Cylinder)	2
3	04-032602		NUT, LOCK (for "Type 3" Cylinder)	1
4	04-032507		PISTON (for "Type 3" Cylinder)	1
5	04-032503		HEAD (for "Type 3" Cylinder)	1
6	04-032506		ROD (for "Type 3" Cylinder)	1
7			SEAL KIT	
	04-028201		(for "Type 1" Cylinder)	1
	04-030401		(for "Type 2" Cylinder)	1
	04-032501		(for "Type 3" Cylinder)	1
			The following items are not included as part of the Telescope Cylinder Assembly:	
8	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X)	4
9	2140920		GUIDE WELDMENT, TELESCOPE CYLINDER	2
10	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	4
11	07-065016		WASHER, HELICAL LOCK (3/8")	4

TITLE

TELESCOPE (EXTEND) CYLINDER

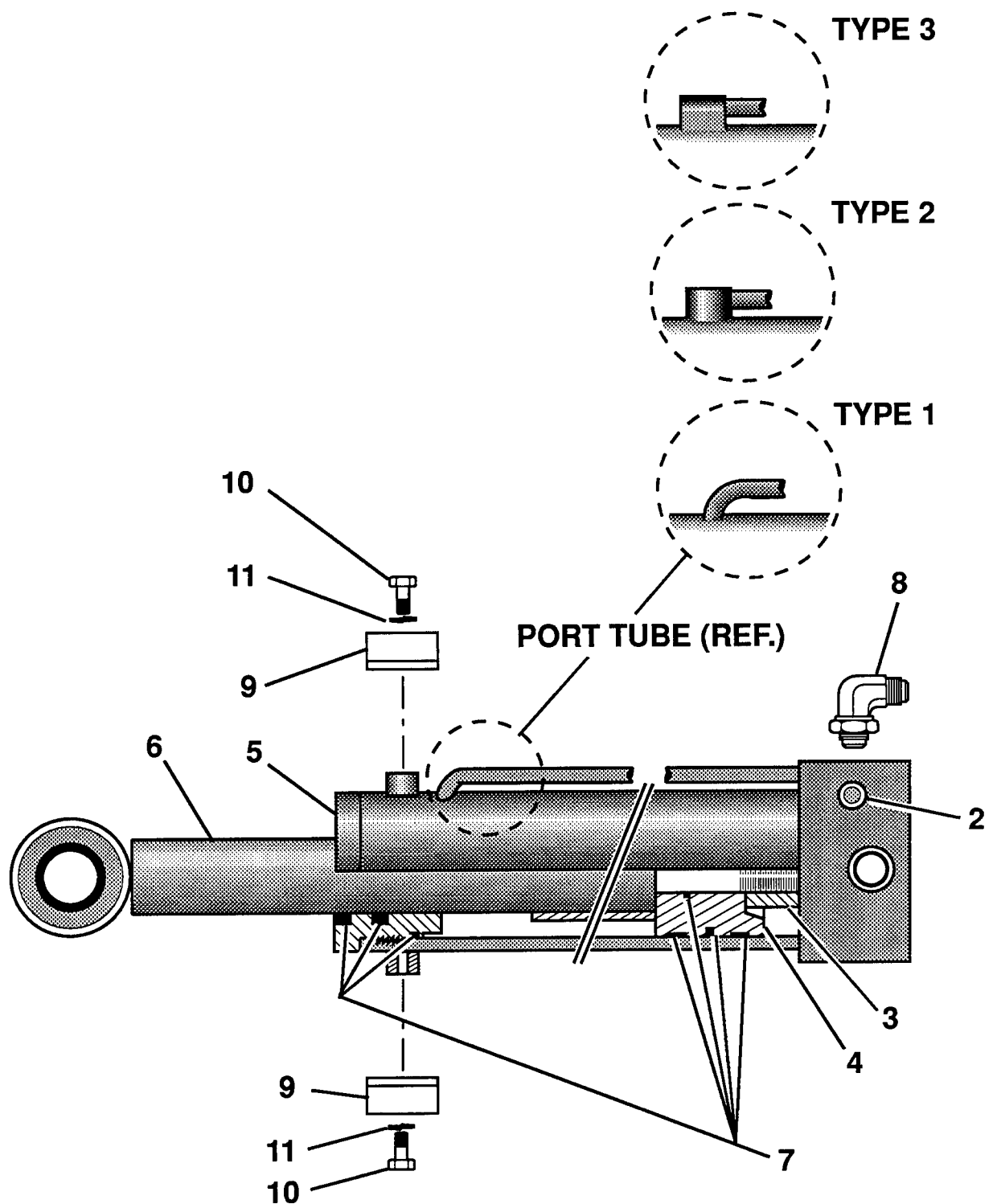
PLATE NO.

11.04

SIMON AERIALS INC.

REV. 19 FEB., 1992

PART NO.



TITLE

TELESCOPE (EXTEND) CYLINDER

SIMON AERIALS INC.

REV. 19 FEB., 1992

PART
NO.

PLATE
NO.

11.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-028400		CYLINDER, LIFT (Type 1) (2.50" bore, for lower & mid boom)	1
	04-030100		CYLINDER, LIFT (Type 1) (2.50" bore, for upper boom)	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 .	
	04-030600		CYLINDER, LIFT (Type 2) (2.50" bore)	1
			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 .	
	04-032400		CYLINDER, LIFT (Type 3) (2.50" bore)	1
	04-033100		CYLINDER, LIFT (Type 4) (3.00" bore)	1
			Note: On a "Type 3" or "Type 4" 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 cylinder barrel.	
			Note: When ordering a Lower Boom or Mid Boom REPLACEMENT CYLINDER , "Type 3" will be supplied. When ordering an Upper Boom REPLACEMENT CYLINDER , specify Model and Serial No. of machine. "Type 3" (2.50" bore) or "Type 4" (3.00" bore) will be supplied as required to fit the application.	
2	04-028202		CARTRIDGE, COUNTERBALANCE VALVE (for "Type 1" Cylinder)	2
	04-030502		(for "Type 2" Cylinder)	2
	04-028302		(for "Type 3" or "Type 4" Cylinder) (stamped "CBCG-LJN", and factory set at 3000 PSI [207 Bar] [211 Kg/ cm ²])	2
3	04-032402		NUT, LOCK (for "Type 3" Cylinder)	1
	04-033102		NUT, LOCK (for "Type 4" Cylinder)	1
4	04-032403		PISTON (for "Type 3" Cylinder)	1
	04-033103		PISTON (for "Type 4" Cylinder)	1
5	04-032404		HEAD (for "Type 3" Cylinder)	1
	04-033104		HEAD (for "Type 4" Cylinder)	1
6	04-032405		ROD (for "Type 3" Cylinder)	1
	04-033105		ROD (for "Type 4" Cylinder)	1
7	04-032401		BUSHING (for "Type 3" Cylinder)	4
	04-033106		BUSHING (for "Type 4" Cylinder)	4

TITLE

LIFT CYLINDER (PLATE 1 OF 2)

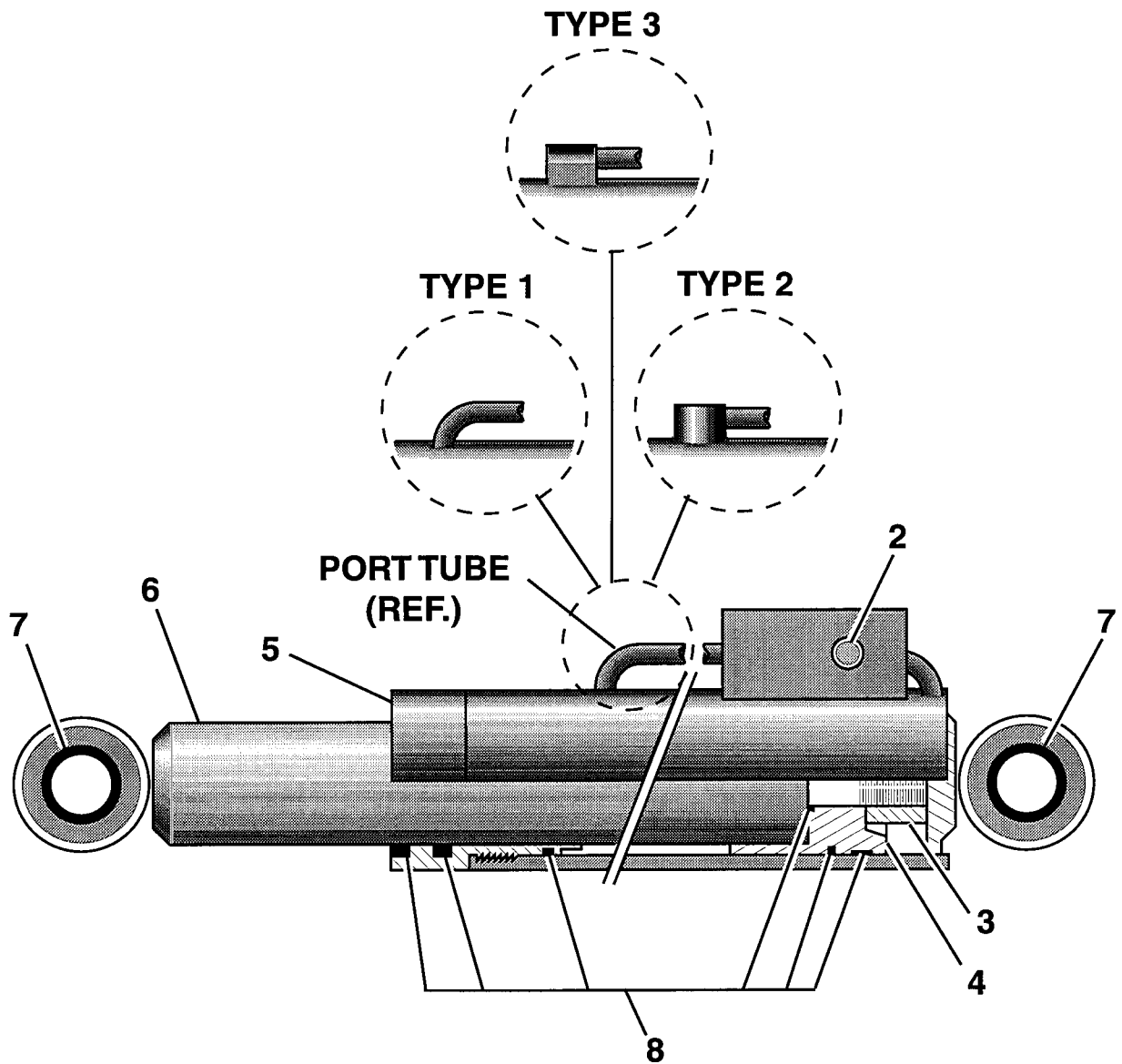
PLATE NO.

11.05

SIMON AERIALS INC.

REV. 06 MAY, 1995

PART NO.



TITLE

LIFT CYLINDER (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 06 MAY, 1995

PART
NO.

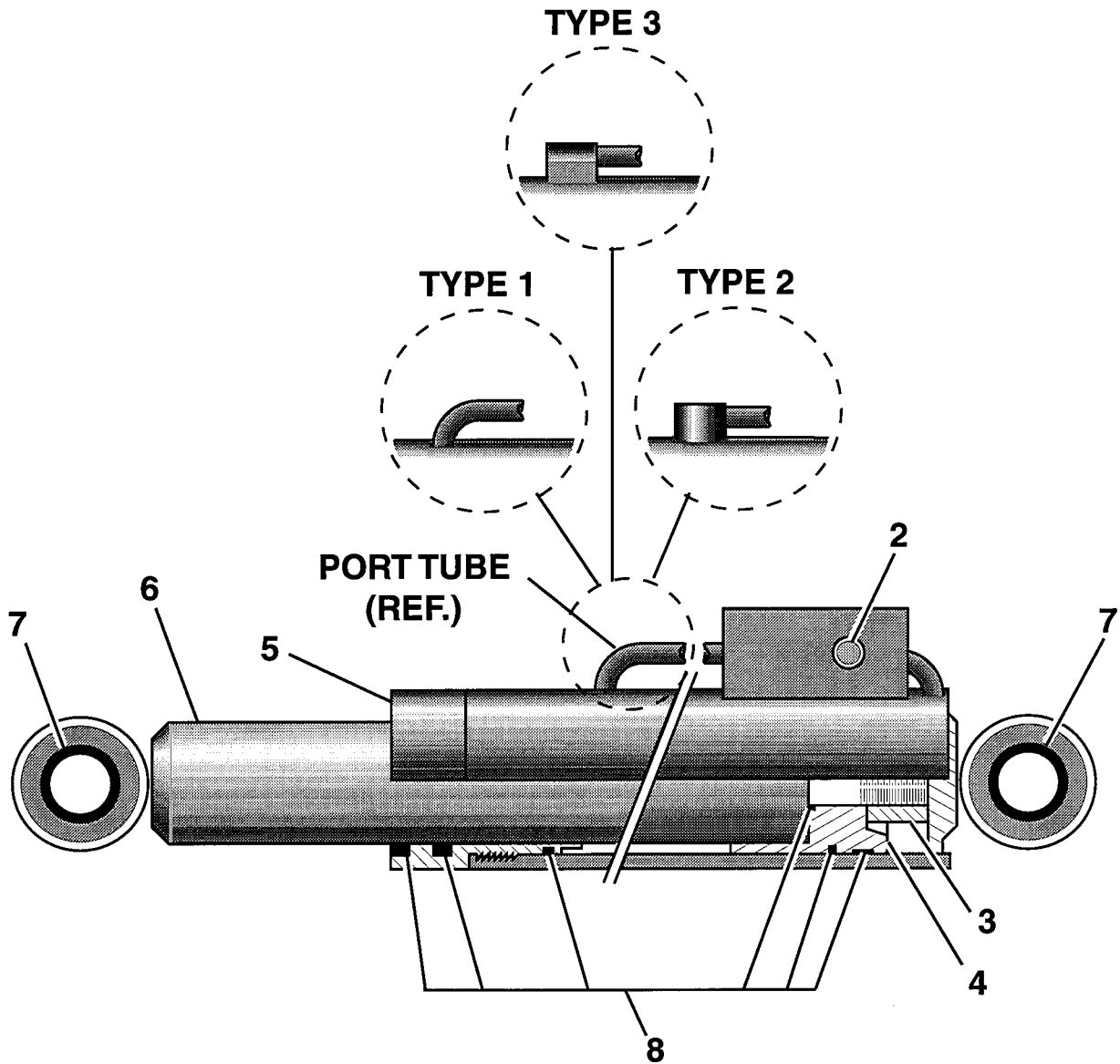
PLATE
NO. 11.05

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11.05

REV. 06 MAY, 1995

**PART
NO.**



TITLE

LIFT CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 06 MAY, 1995

PART
NO.

PLATE
NO.

11.05

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)	1
			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 .	
	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
	04-028204		(for "Type 3" Cylinder) SEAL KIT, HOLDING VALVE	2
3				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

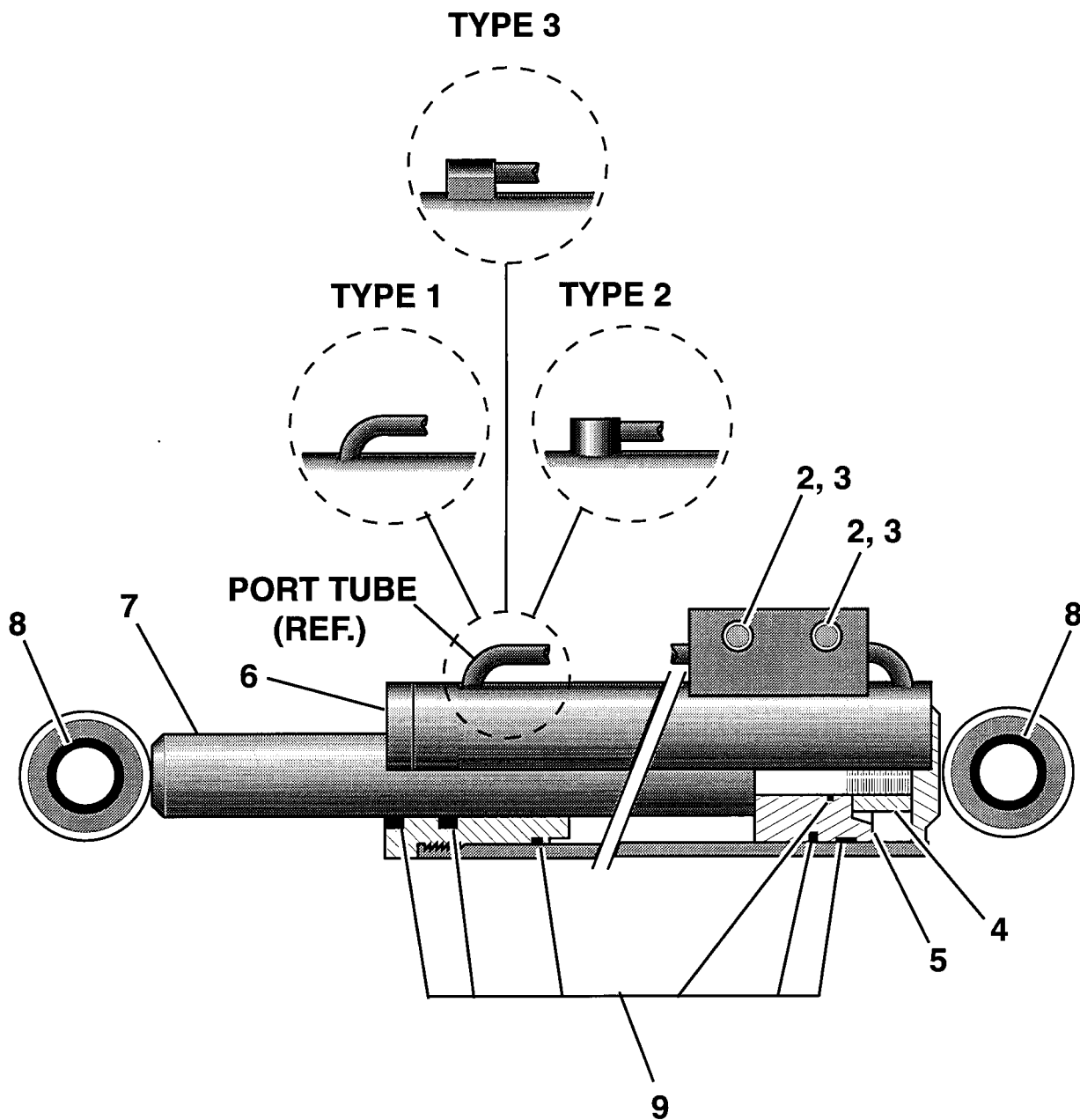
PLATE NO.

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. Note: When ordering a REPLACEMENT CYLINDER , "Type 3" will be supplied.	1
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)

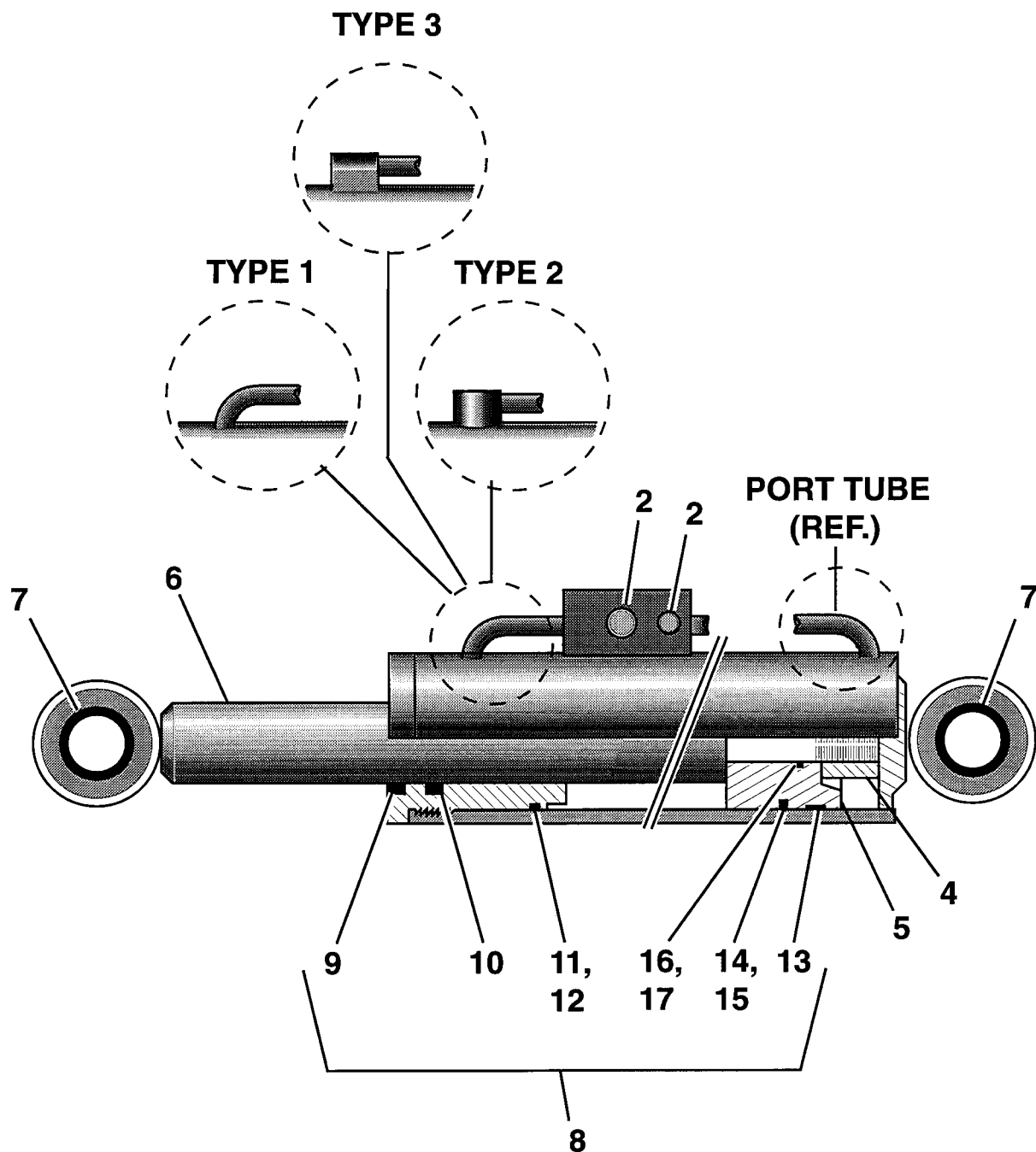
PLATE NO.

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.

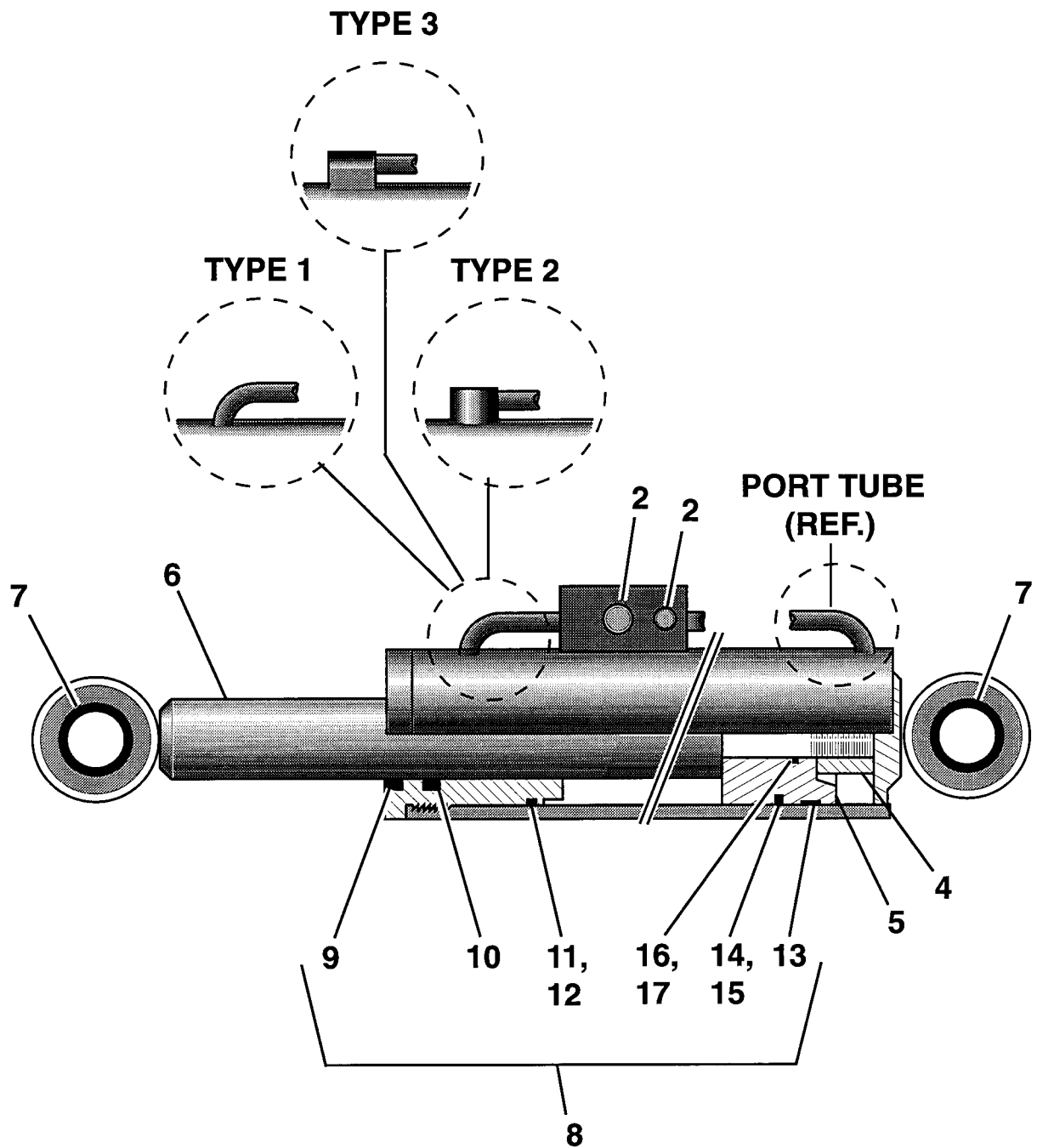
PLATE
NO.

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)				
PLATE NO.	11.07	SIMON AERIALS INC.		PART NO.
				REV. 15 OCT., 1993

SLAVE CYLINDER (PLATE 2 OF 2)

PART
NO.



TITLE

SLAVE CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

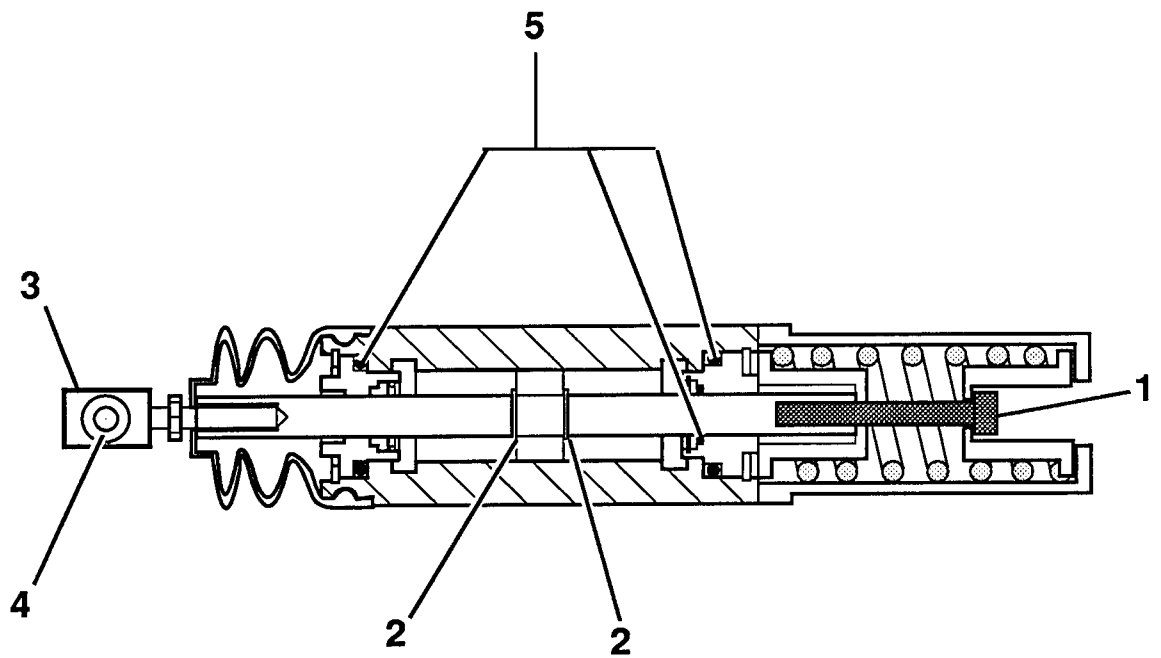
PLATE
NO.

11.07

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ACTUATOR CYLINDER (TYPE 1)

PART NO. 01-063100



TITLE

ACTUATOR CYLINDER (TYPE 1)

SIMON AERIALS INC.

REV. 19 FEB., 1992

PART
NO.

01-063100

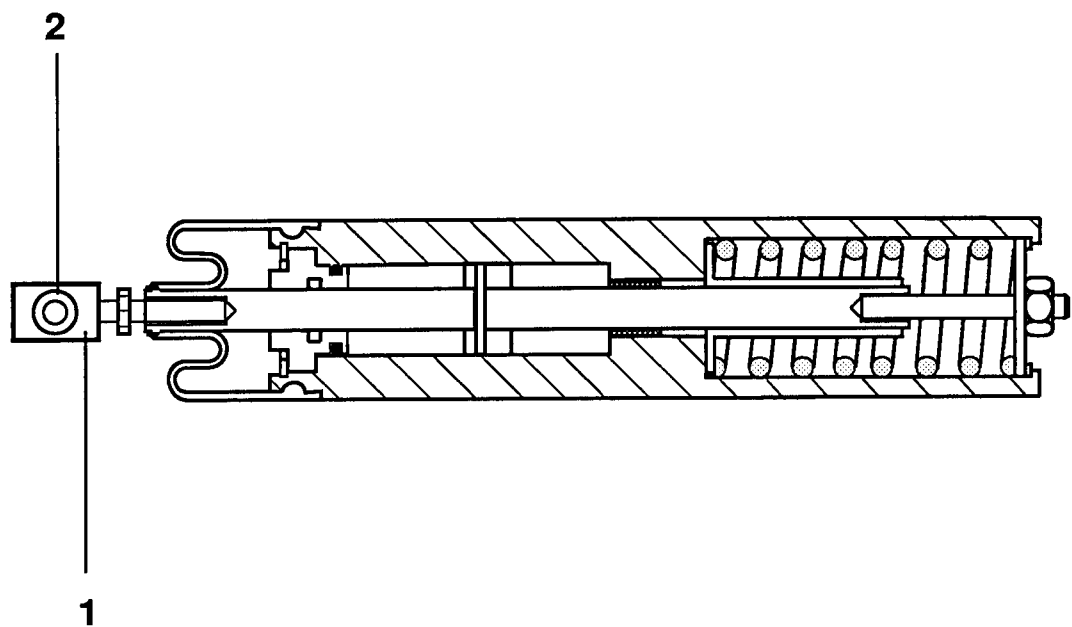
PLATE
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11.09

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ACTUATOR CYLINDER

PART NO. 04-030000



TITLE

ACTUATOR CYLINDER

SIMON AERIALS INC.

REV.05/01/90

PART
NO.

04-030000

PLATE
NO.

11.10

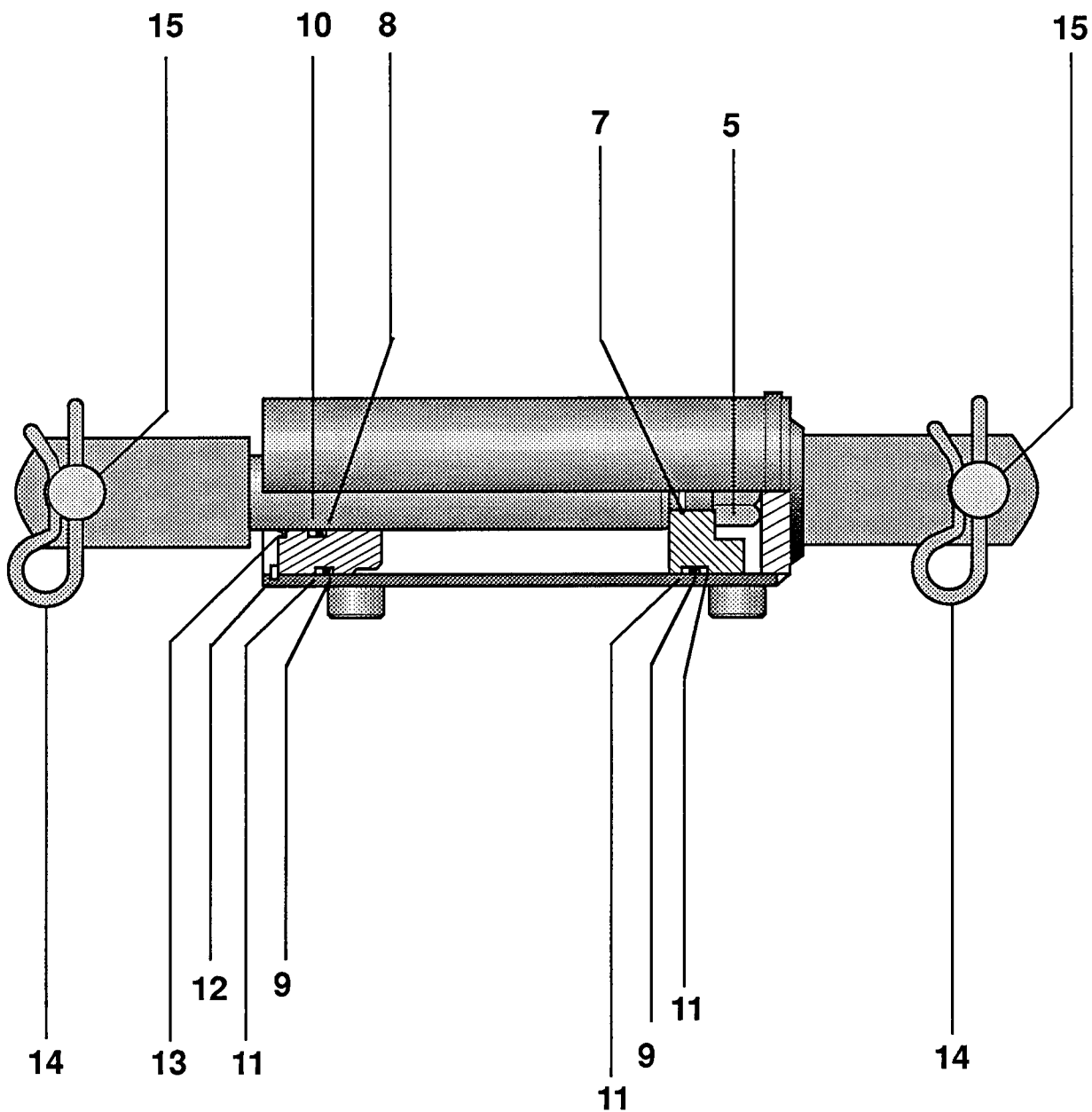
PARTS LIST

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TITLE	STEER CYLINDER
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PLATE NO.	11.11	SIMON AERIALS INC.
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PART NO.	04-030200
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TITLE

STEER CYLINDER

SIMON AERIALS INC.

PART
NO.

04-030200

PLATE
NO.

11.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3516300 3516330		PUMP ASSEMBLY, HYDRAULIC with Onan engine with Deutz, Isuzu, Kubota, or Perkins engine with Wisconsin engine	
1	01-079300	12.02	PUMP, HYDRAULIC	1
2	07-008087		CAP SCREW, SOCKET HEAD (1/2"-13 x 1-1/2", Grade 8)	2
3	07-065018		WASHER, HELICAL LOCK (1/2")	2
4	2164080		ARM, STROKE (later type, with no microswitch actuator) [w/ 1/4" (6.4 mm) dia. hole for master link bushing]	1
	2128870		ARM, STROKE (earlier type, with microswitch actuator) [w/ 1/4" (6.4 mm) dia. hole for master link bushing] [w/ 8 mm (.315") dia. hole for master link bushing]	1
5	08-066000		BUSHING, BRONZE [1/4" (6.4 mm) O.D.]	2
	08-062000		BUSHING, BRONZE [8 mm (.315") O.D.]	2
6	02-020600		LINK, MASTER (Type 4, supercedes three earlier types) Note: Assembled with cotter pins. Stroke arm and actuator cylinder clevis must have bushings (item 5).	1
			LINK, MASTER (Type 1) Note: Assembled with a "hairpin" clip. Stroke arm and actuator cylinder clevis have bushings.	
			LINK, MASTER (Type 2) Note: Assembled with (2) .25" dia. shoulder bolts. 1/4" bushings have been removed from clevises.	
			LINK, MASTER (Type 3) Note: Assembled with (2) 8 mm dia. shoulder bolts. 8mm bushings have been removed from clevises.	
7	01-063100	11.09	CYLINDER, ACTUATOR Type 1, spring is in round housing	1
	04-030000	11.10	Type 2, spring is in square barrel	1
8	2149310		CLEVIS, ACTUATOR CYLINDER [w/ 1/4" (6.4 mm) dia. hole for master link bushing] [w/ 8 mm (.315") dia. hole for master link bushing]	1
9	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)	2
10	01-013800		VALVE, SHUTTLE	1
11	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
12	2133030		TUBE ASSEMBLY	2
13	2173740		RUN TEE, ORIFICED (modified 4 R50X-S)	2
14	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
15	2175730		ADAPTER, ORIFICED (modified 4 F50X-S)	1

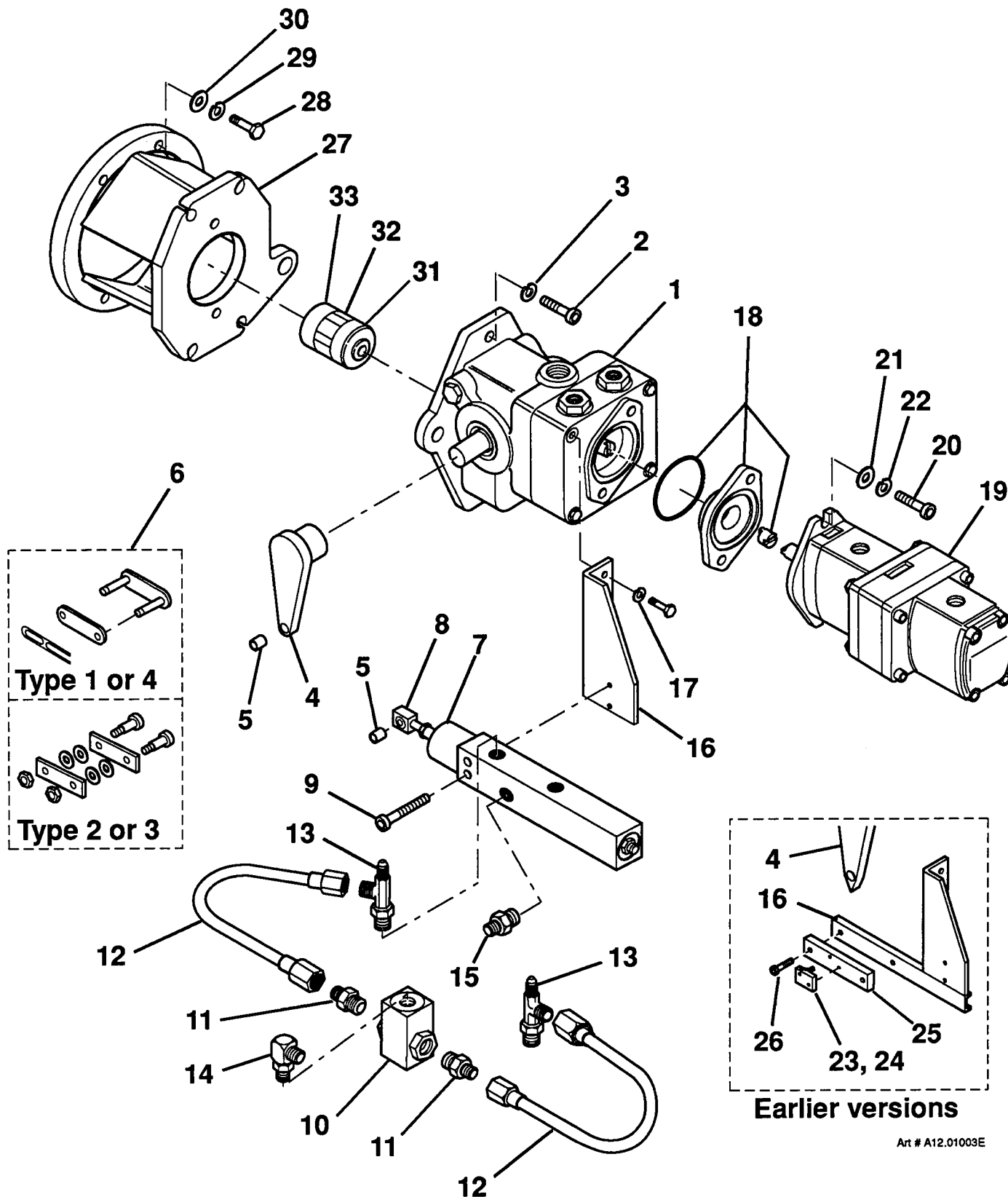
TITLE PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

PLATE NO. 12.01

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART NO.



TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.

PLATE
NO.

12.01

PARTS LIST

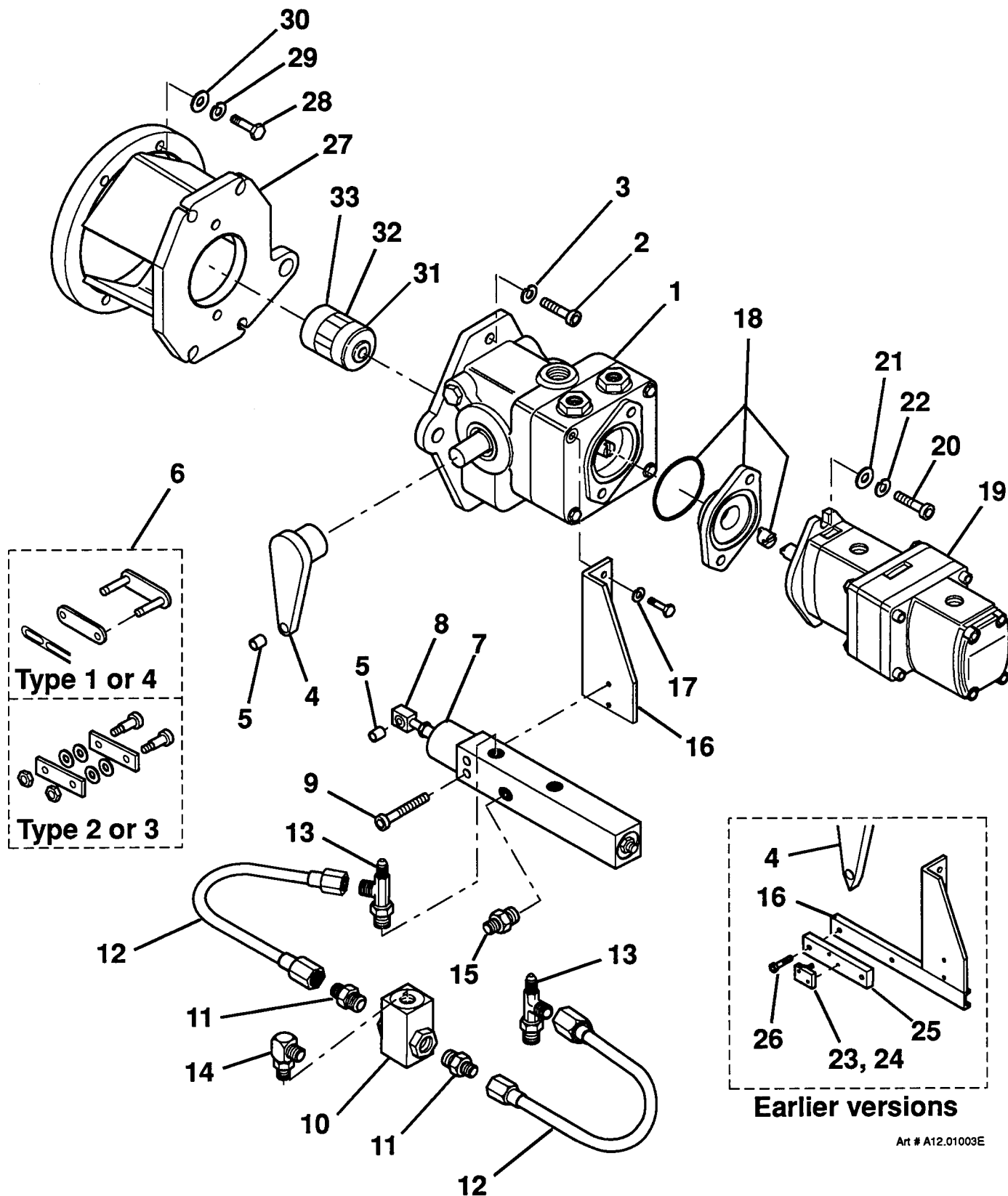
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
16	2133290		BRACKET ASSEMBLY, STROKE CYLINDER MOUNTING Later type, used without microswitch	1
	2133270		Earlier type, with bracket for neutral start microswitch	1
17	07-065016		WASHER, HELICAL LOCK (3/8")	2
18	01-079800		ADAPTER KIT, TANG DRIVE	1
19	01-080300		PUMP, HYDRAULIC TANDEM	1
20	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
21	07-062016		WASHER, FLAT (3/8")	2
22	07-065016		WASHER, HELICAL LOCK (3/8")	2
23	03-065000		MICROSWITCH (Neutral start) (earlier models)	1
24	03-026500		ACTUATOR, SWITCH (bolt on) (earlier models)	1
25	2134040		BLOCK, MICROSWITCH MOUNTING (earlier models)	1
26	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
27			ADAPTER, DRIVE PUMP	
	02-022600		with Deutz, Isuzu, Kubota, or Perkins engines	1
	02-022700		with Onan engine	1
	2169570		with Wisconsin engine	1
28			CAP SCREW	
	07-003069		with Wisconsin engine (7/16"-14 x 2" Hex head, Grade 5)	4
	07-008049		except Wisconsin engine (3/8"-16 x 2" Socket head, Gr. 8)	4
29	07-065017		WASHER, HELICAL LOCK (7/16")	4
	07-065016		WASHER, HELICAL LOCK (3/8")	4
30	07-062017		WASHER, FLAT (7/16")	4
31	02-022300		COUPLING ASSEMBLY	
			(with Deutz, Isuzu, Kubota, or Perkins engines)	1
	02-018000		COUPLING HALF (Pump side) (3/4" bore)	
			(with Onan or Wisconsin engines)	1
32	02-018200		INSERT, COUPLING (urethane)	
			(with Onan or Wisconsin engines)	1
33			COUPLING HALF (Engine side) (1-1/8" bore)	
	02-018800		(with Onan engine)	1
	02-031100		(with Wisconsin engine)	1

TITLE PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

PLATE NO. 12.01 SIMON AERIALS INC.

REV. 16 AUG., 1993

PART NO.



TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.

PLATE
NO.

12.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-079301		SEAL KIT	1
2			Note: Items in seal kit are identified by asterisk (*).	
3			HOUSING ASSEMBLY	1
4			HOUSING, PUMP	1
5		*	BEARING, NEEDLE	2
6		*	SEAL, LIP	2
7			WASHER	2
8			SHAFT, TRUNNION	2
9			RING, RETAINING	2
10	01-079302		CHARGE PUMP ASSEMBLY	1
11			CHARGE PUMP (Gerotor Assembly)	1
12			HOUSING, CHARGE PUMP	1
13	01-079303	*	BEARING, NEEDLE	1
14	01-079304	*	SEAL, LIP	1
15			"O"-RING	1
16	01-079305		SCREW, HEX HEAD	4
17			PIN, STRAIGHT	1
18			RELIEF VALVE KIT	1
19			CONE, IMPLEMENT RELIEF VALVE	1
20			SPRING, IMPLEMENT RELIEF VALVE	1
21			SHIM	A.R.
22		*	"O"-RING	1
23			PLUG, HEX HEAD	1
24			BEARING	1
25			RING, RETAINING	1
26			RING, RETAINING	1
27	01-079309		SWASHPLATE	1
28	01-079310		PIN, SPRING	3
29	01-079308		PLATE, THRUST	1
30	01-079311		SHAFT, PUMP	1
31	01-079312		CYLINDER BLOCK	1
32		*	PLATE	1
33			GASKET	1
34			PIN, STRAIGHT (Headless)	1
35			CAP, PUMP END	1
36			BEARING, ROLLER	1
37			SCREW, HEX HEAD	4
38			CHECK VALVE KIT	2
39			BALL	1
40		*	SPRING	1
41			"O"-RING	1
42	06-006300		PLUG	1
			LONG 90° ELBOW, MALE 37° TO NPT (4 CCTX-S)	1

TITLE

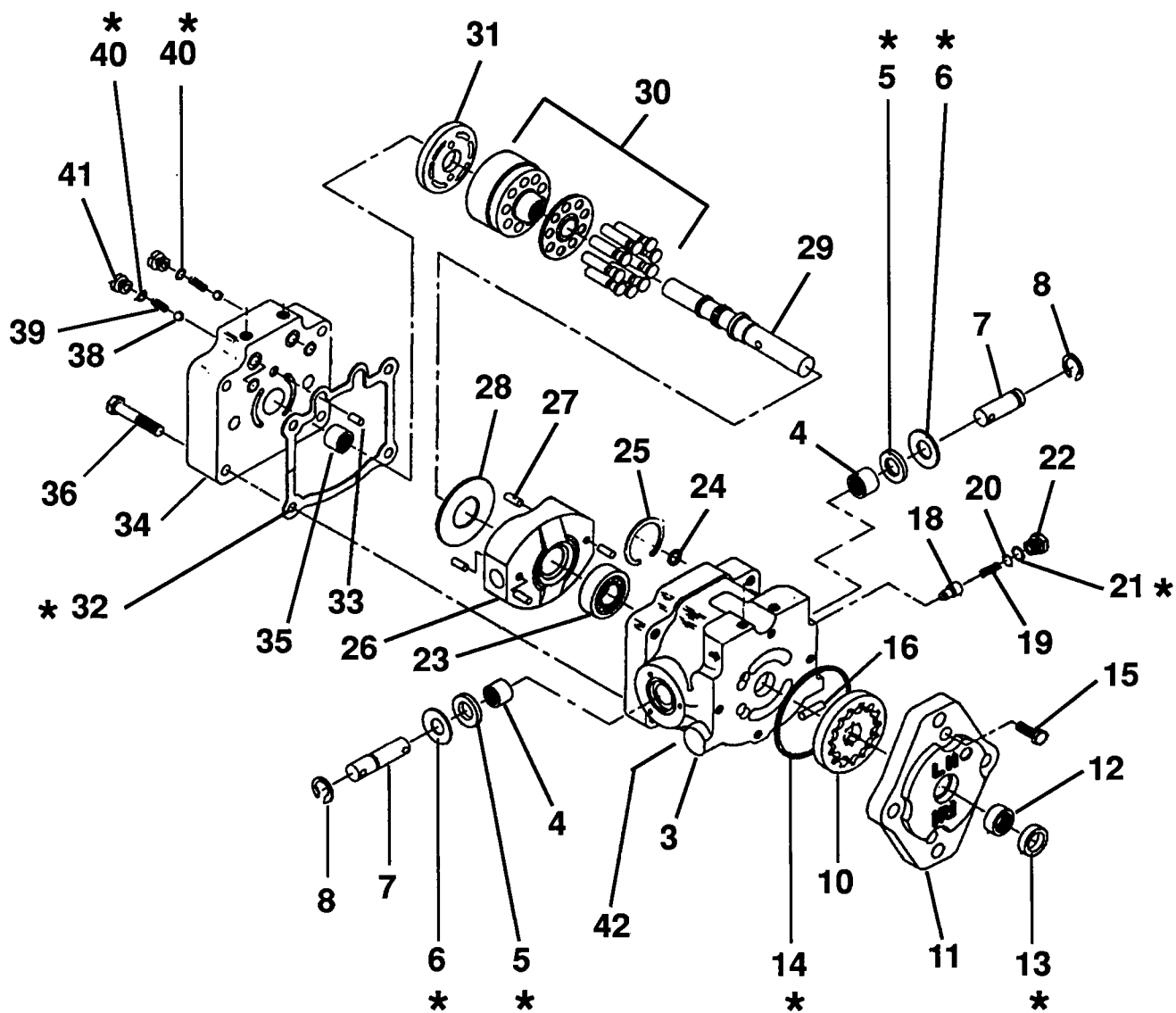
HYDRAULIC PUMP

PLATE
NO. 12.02

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO. 01-079300



TITLE

HYDRAULIC PUMP

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

01-079300

PLATE
NO.

12.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-027204		MOTOR, ELECTRIC PUMP	1
2	01-027203		RELAY, SOLENOID (for all models except RZB) Note: Relay has three posts.	1
	03-465200		RELAY, SOLENOID (for model RZB) Note: Relay has four posts.	1
			Note: When replacing Emergency Pump 01-027200 on a model RZB Aerial Platform, Relay 01-027203 must be removed, and replaced with Relay 03-465200 .	
3	01-027205		COUPLING, PUMP	1
4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	1
6			CASE	1
7			PLATE, END	1
8			GEAR	2
9			SHAFT, DRIVE	1
10			SHAFT, IDLER	1
11			BEARING	4
12			KEY, DOWEL	1
13			BALL	1
14			RING, RETAINING	4
15			PIN, DOWEL	2
16	01-027201		SEAL KIT	1
17	*		Note: Items in seal kit are identified by asterisk (*). SEAL, SHAFT	1
18	*		O-RING	2
19	01-027206		RELIEF VALVE ASSEMBLY	1
20			NUT, ACORN	1
21			GASKET, METAL	1
22			NUT, HEX JAM	1
23			SCREW, ADJUSTING	1
24			SPRING	1
25			GUIDE, SPRING	1
26			BALL	1
27			CAP, VALVE	1
28			WASHER, SEALING	1
29			SPRING	1
30			BALL	1

TITLE		EMERGENCY PUMP	
PLATE NO.	12.03	SIMON AERIALS INC.	PART NO. 01-027200

REV. 08 OCT., 1993

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2136450	20.10	DRIVE SHAFT ASSEMBLY, REAR	1
2	2136410		YOKE, THROWOUT BEARING	1
3	07-002042		BOLT, SHOULDER	2
4	08-063300		BUSHING (Bronze)	2
5	07-047122		NUT, JAM (3/4"-16, Grade 5, R.H. Thread)	2
6	2136420		LEVER, DRIVE SHAFT DISENGAGEMENT	1
7	11-079800		KNOB, BALL	1
8	2163030		PIVOT, LEVER	1
9	2163130		EXTENSION, LEVER PIVOT	1
10	08-007100		END, TIE ROD (R.H. Thread)	1
11	2137240		PLATE, LOCK	1
12	2163330		RETAINER, LOCK PLATE	1
13	2098450		BAR, TOW	1
14	2108970		PIN (1-1/4" x 9")	1
15	2014357		BRACKET, TOW BAR MOUNTING (Eye end)	1
16	2014368		BRACKET, TOW BAR MOUNTING (Pin end)	2
17	01-010900		VALVE, STEERING DISCONNECT	1
18	07-003029		SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2
19	07-050015		NUT, HEX (5/16"-18)	2
20	07-062015		WASHER, FLAT (5/16")	2

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TITLE

TOW PACKAGE . . . AT30C, AT40C

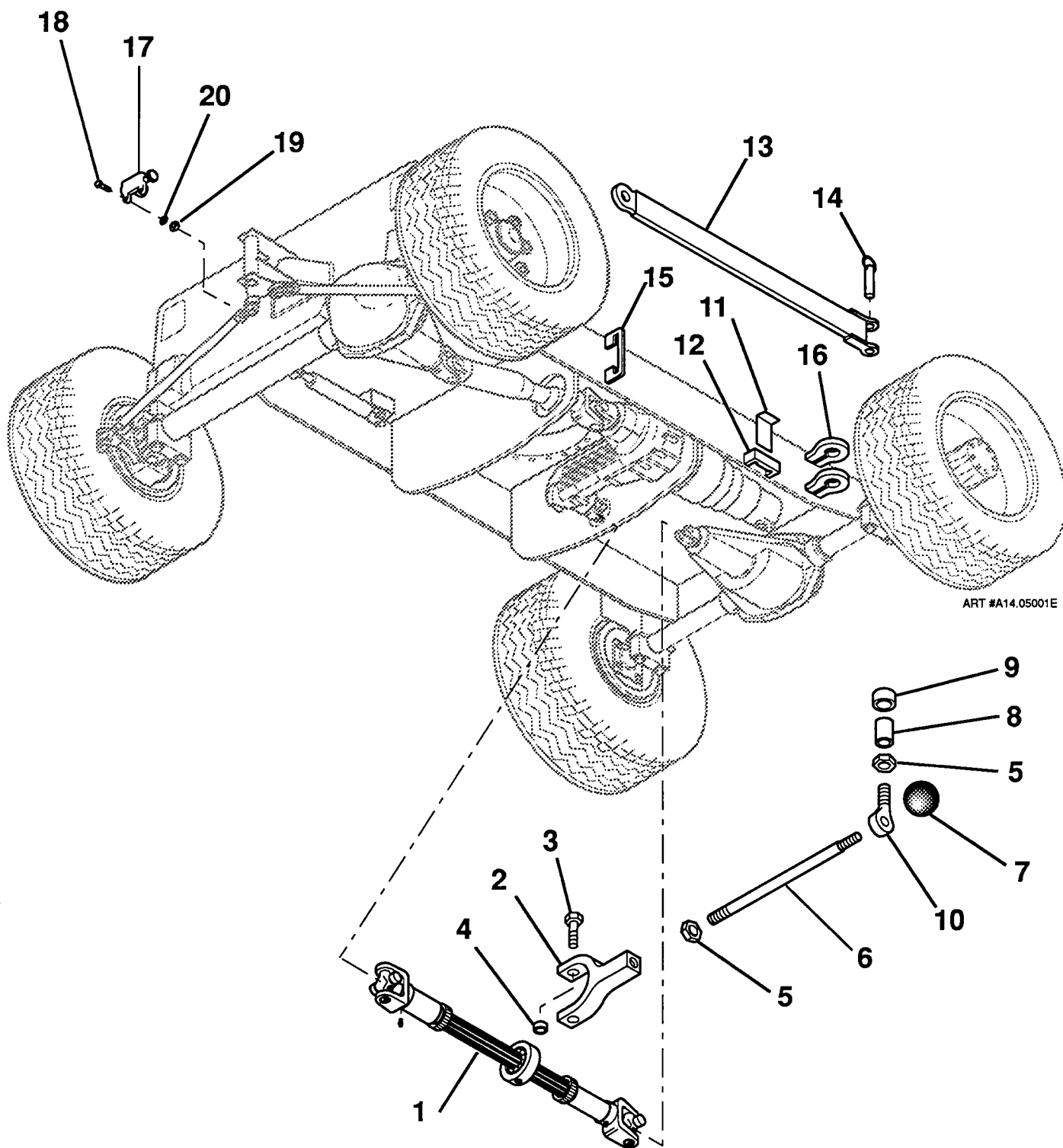
**PLATE
NO.**

14.05

SIMON AERIALS INC.

NEW 10/01/90

**PART
NO.**



TITLE

TOW PACKAGE . . . AT30C, AT40C

SIMON AERIALS INC.

NEW 10/01/90

PART
NO.

PLATE
NO.

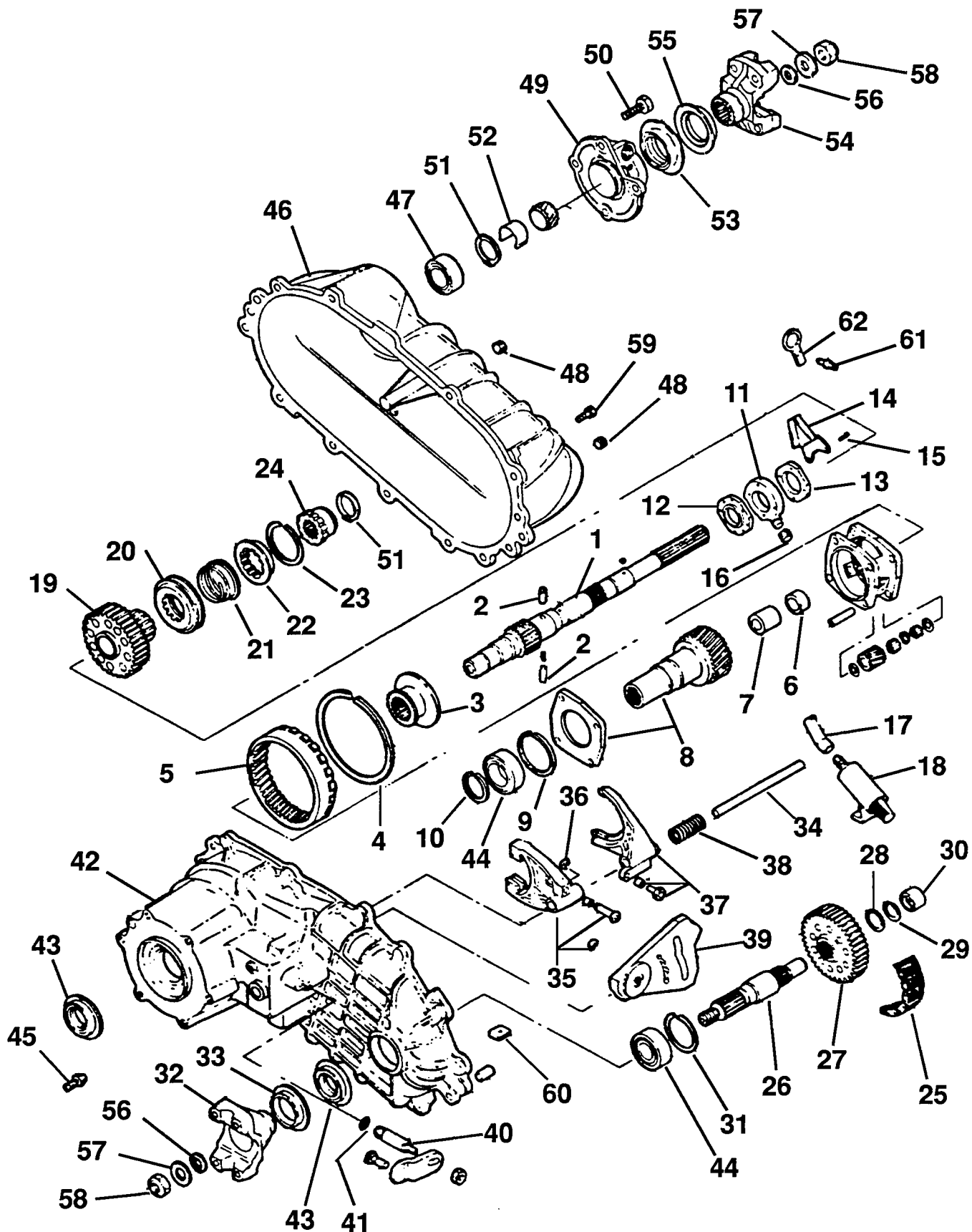
14.05

PARTS I

ITEM	PART NO	SEE SECTION	
34	02-017740		RAIL, SHIFT
35	02-017738		FORK, MODE SHIF
36	02-017739		CLIP, RETAINER
37	02-017743		FORK, RANGE SHIF
38	02-017737		SPRING, SHIFT FO
39	02-017713		SECTOR, SHIFT
40	02-017716		SHAFT, SHIFT
41	02-017742		O-RING
42	02-017702		CASE HALF (input/ c
43	02-017758		SEAL, OIL
44	02-017705		BEARING, OUTF
45	02-017708		STUD, MOUNTING
46	02-017701		CASE HALF (output
47	02-017705		BEARING, OUTF
48	02-017703		PLUG, FILL/ DRAIN
49	02-017715		RETAINER, OUTPUT
50	02-017747		BOLT, BEARING RE
51	02-017751		RING, RETAINING (
52	02-017755		SPACER, OUTPUT
53	02-017758		SEAL, OIL
54	02-017757		YOKE, OUTPUT (to
55	* 02-029802		FLANGE, OUTPUT
56	02-017704		SLINGER, YOKE G
57	02-017710		NUT, OUTPUT SHA
58	02-017759		WASHER
59	02-017709		NUT, OUTPUT SHA
60	02-017747		BOLT, CASE (M10-
61	02-017744		MAGNET
62	02-017734		STUD, CASE
63	02-017754		PLATE, ISOLATOR
	02-017760		MOTOR ASSEMBLY

TITLE TRANSFER CASE

PLATE NO. 17.01 SIMON AERIALS IN



TITLE

TRANSFER CASE (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 12/10/90

PART
NO.

02-017700

PLATE
NO.

17.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	02-017740		RAIL, SHIFT	1
35	02-017738		FORK, MODE SHIFT (2 Wheel/ 4Wheel Drive)	1
36	02-017739		CLIP, RETAINER	1
37	02-017743		FORK, RANGE SHIFT (High/ Low reduction)	1
38	02-017737		SPRING, SHIFT FORK	1
39	02-017713		SECTOR, SHIFT	1
40	02-017716		SHAFT, SHIFT	1
41	02-017742		O-RING	1
42	02-017702		CASE HALF (input/ output shaft side)	1
43	02-017758		SEAL, OIL	2
44	02-017705		BEARING, OUTPUT SHAFT	1
45	02-017708		STUD, MOUNTING	1
46	02-017701		CASE HALF (output shaft side)	1
47	02-017705		BEARING, OUTPUT SHAFT	1
48	02-017703		PLUG, FILL/ DRAIN	2
49	02-017715		RETAINER, OUTPUT SHAFT BEARING	1
50	02-017747		BOLT, BEARING RETAINER (M10-1.5 x 35 mm)	4
51	02-017751		RING, RETAINING (output bearing)	2
52	02-017755		SPACER, OUTPUT BEARING	1
53	02-017758		SEAL, OIL	1
54	02-017757		YOKE, OUTPUT (to front drive shaft)	1
	02-029801		FLANGE, OUTPUT (to front drive shaft)	1
55	02-017704		SLINGER, YOKE GUARD	1
56	02-017710		NUT, OUTPUT SHAFT FLANGE	2
57	02-017759		WASHER	2
58	02-017709		NUT, OUTPUT SHAFT (M22-1.5)	2
59	02-017747		BOLT, CASE (M10-1.5 x 35 mm)	12
60	02-017744		MAGNET	1
61	02-017734		STUD, CASE	1
62	02-017754		PLATE, ISOLATOR	1
63	02-017760		MOTOR ASSEMBLY, CASE (not shown)	1

TITLE

TRANSFER CASE (PLATE 2 OF 2)

PLATE
NO.

17.01

SIMON AERIALS INC.

REV. 12/10/90

PART
NO.

02-017700

17.01

[illegible]

PLATE NO.	17.49	SIMON AERIALS INC.	REV.01/30/91	PART NO.	3522260
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DRIVE DISENGAGEMENT INSTRUCTIONS
 DRIVE MUST BE DISENGAGED FOR TOWING, WINCHING OR MOVING DISABLED MACHINE.

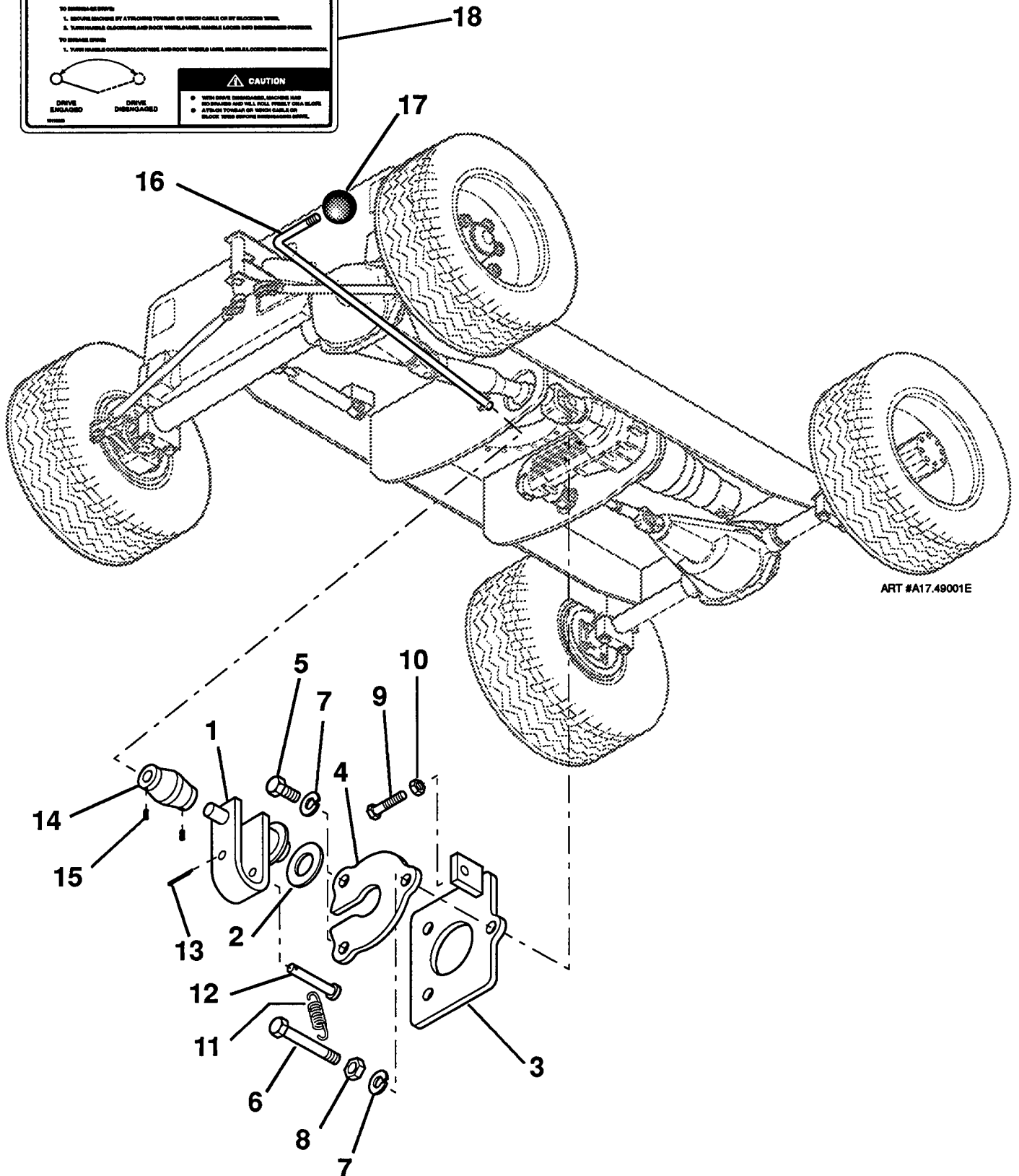
TO REENGAGE DRIVE:
 1. DISCONNECT DRIVE BY PULLING FORWARD ON WINCH CABLE OR BY BLOCKING WHEEL.
 2. TURN HANDLE CLOCKWISE AND LOCK HANDLE AFTER DRIVE DISENGAGEMENT POSITION.

TO DISABLE DRIVE:
 1. TURN HANDLE COUNTERCLOCKWISE AND HOLD HANDLE AFTER HANDLE COUNTERCLOCKWISE POSITION.



CAUTION

- WITH DRIVE DISENGAGED, MACHINE MAY BE OPERATED AND WILL ROLL FREELY ON A SLOPE.
- AT THE FRONT OF WINCH CABLE OR BLOCK WINCH DURING DRIVE.



TITLE DRIVE LINE DISCONNECT (OPTION) . . . AT30C, AT40C

SIMON AERIALS INC.

REV.01/30/91

PART NO.

3522260

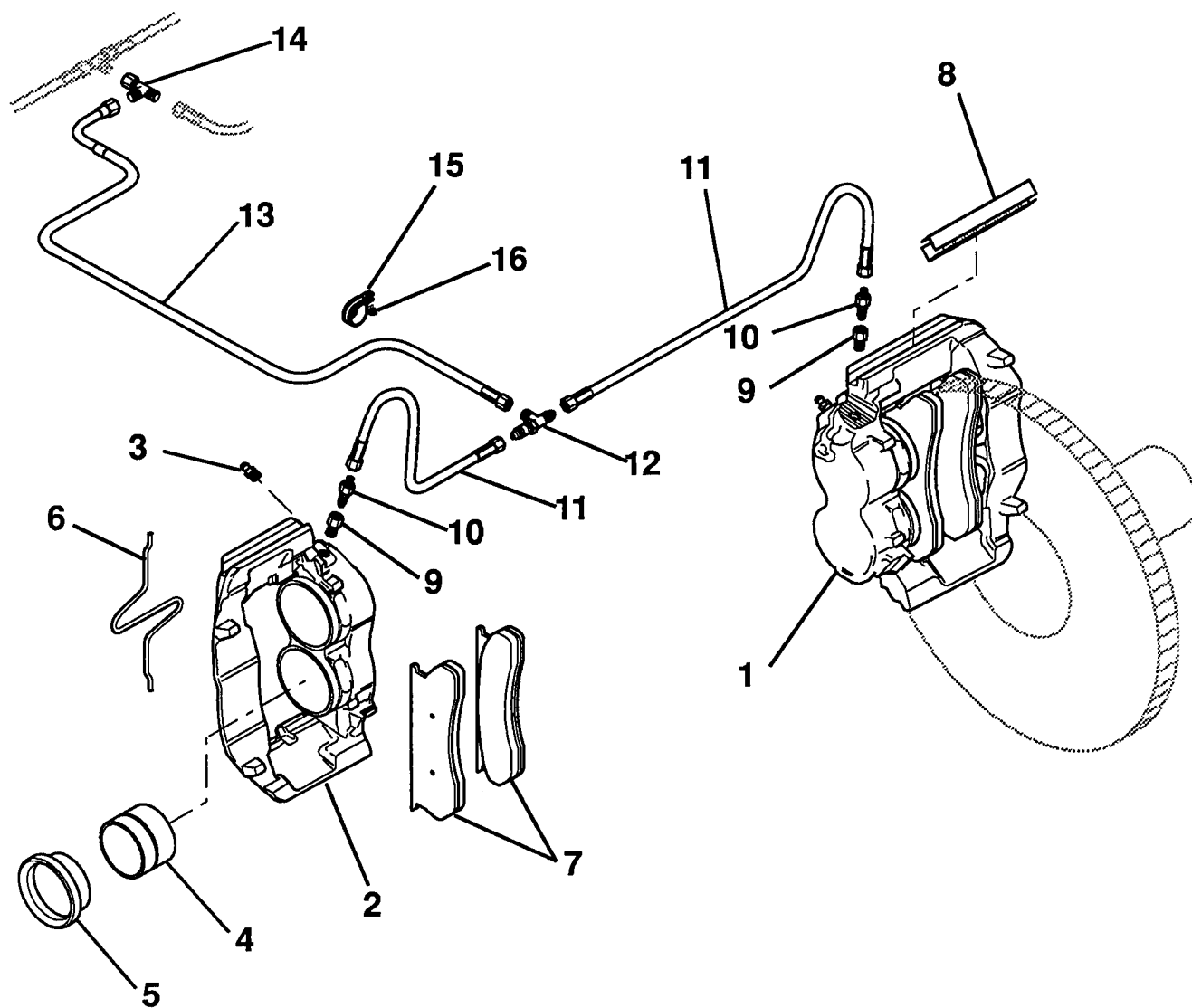
PLATE NO.

17.49

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TITLE				CALIPER FRONT DISC BRAKES . . . AT30C, AT40C (ABOVE S/N 5000)			
PLATE NO.		18.02		SIMON AERIALS INC.		NEW 10/01/90	
PART NO.		3522200					

3522200



TITLE CALIPER FRONT DISC BRAKES . . . AT30C, AT40C (ABOVE S/N 5000)

SIMON AERIALS INC.

NEW 10/01/90

PART NO. 3522200

PLATE NO. 18.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-020027		BRAKE ASSEMBLY, REAR DRUM (Right)	1
	02-020028		BRAKE ASSEMBLY, REAR DRUM (Left)	1
2	02-020009		PLATE, BRAKE BACKING (Right)	1
	02-020010		PLATE, BRAKE BACKING (Left)	1
3	02-020004		SHOE AND LINING SET, BRAKE (Primary and secondary shoe and lining, for one side)	1
	02-022812		SHOE AND LINING KIT, BRAKE (Axle set. Primary and secondary shoes and linings for two sides)	1
4	02-020011		PIN, SHOE HOLD DOWN	2
5	02-020025		SPRING, SHOE HOLD DOWN	2
6	02-020026		SPRING, RETRACTING (upper)	1
7	02-020018		SPRING, RETRACTING (lower)	1
8	02-020002		CYLINDER ASSEMBLY, WHEEL (Right)	1
	02-020003		CYLINDER ASSEMBLY, WHEEL (Left)	1
9	01-096000		CUP, WHEEL CYLINDER (Special, for use with hydraulic fluid)	2
10			BOLT, BRAKE CYLINDER RETAINING	2
11			WASHER, BRAKE CYLINDER RETAINING	2
12	02-020005		LINK, WHEEL CYLINDER	2
13	02-020020		LEVER (Right)	1
	02-020021		LEVER (Left)	1
14	02-020022		SPRING	2
15	02-020023		PLATE, CAM (Right)	1
	02-020024		PLATE, CAM (Left)	1
16	02-020013		LEVER KIT (Right)	1
	02-020014		LEVER KIT (Left)	1
17			CABLE ASSEMBLY (must be discarded)	1
18			GUIDE, CABLE	1
19			LEVER	1
20			SPRING, RETURN	1
21	02-020015		PIN, LEVER	1
22	02-020008		BOLT	1
23	02-020019		RETAINER	1
24			NUT, LOCK	1
25	02-020016		SCREW KIT (Right)	1
	02-020017		SCREW KIT (Left)	1
26			SCREW	1
27			SOCKET	1
28	02-020012		COVER	1
29	02-022819		DRUM, BRAKE (not shown)	2
30			BOLT, BACKING PLATE TO AXLE HOUSING FLANGE	4
31			NUT, BACKING PLATE TO AXLE HOUSING FLANGE	4

TITLE

REAR DRUM BRAKE ASSEMBLY

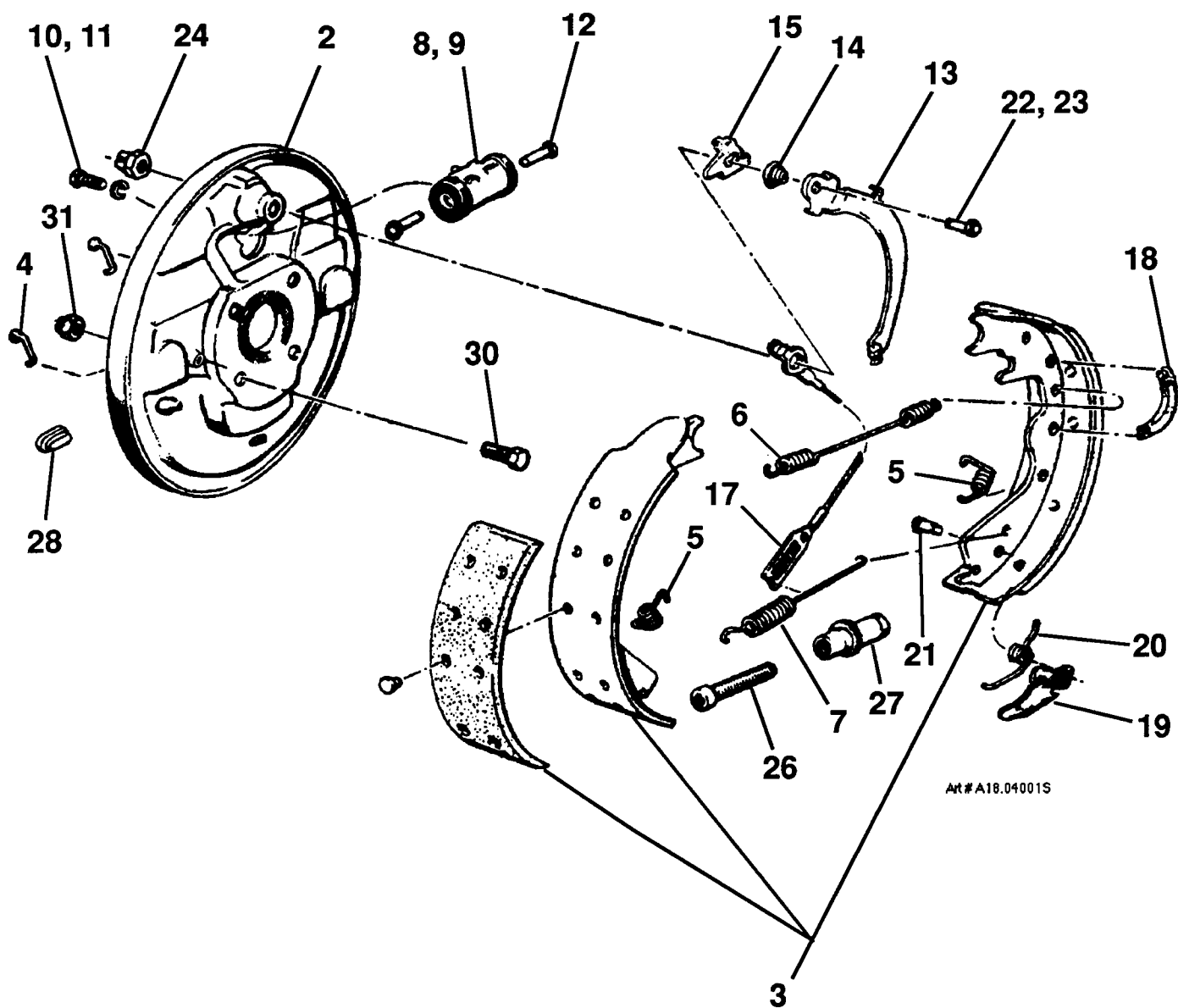
PLATE
NO.

18.04

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.



Art# A18.04001S

TITLE

REAR DRUM BRAKE ASSEMBLY

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.

PLATE
NO.

18.04

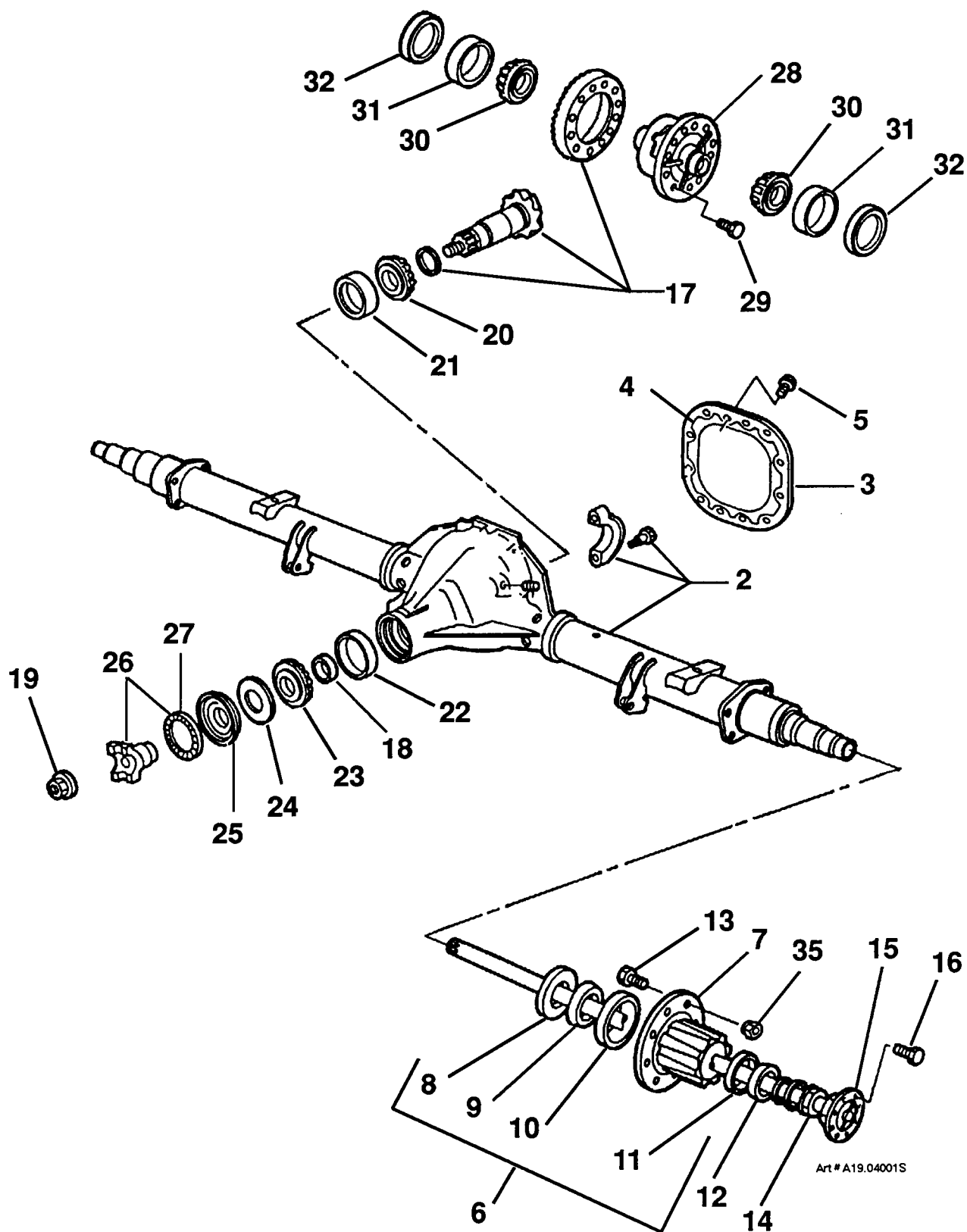
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-022800		AXLE ASSEMBLY, REAR	1
2	02-022820		HOUSING ASSEMBLY, AXLE	1
3	02-022817		COVER, DIFFERENTIAL HOUSING	1
4	02-022229		SEALANT, RTV (Ford #D6AZ 19562 ba or equivalent)	A.R.
5	02-022821		BOLT, SELF LOCKING	12
6	02-022802		HUB ASSEMBLY, REAR WHEEL	2
7			HUB, REAR WHEEL	1
8	02-022807		SEAL, WHEEL BEARING OIL	1
9	02-022811		CONE AND ROLLER, WHEEL BEARING (Inner)	1
10	02-022810		CUP, WHEEL BEARING (Inner)	1
11	02-022808		CUP, WHEEL BEARING (Outer)	1
12	02-022809		CONE AND ROLLER, WHEEL BEARING (Outer)	2
13	02-022806		BOLT, WHEEL LUG	16
14	02-022814		NUT, SPINDLE (Right hand)	1
	02-022815		NUT, SPINDLE (Left hand)	1
15	02-022804		SHAFT ASSEMBLY, AXLE (Right)	1
	02-022803		SHAFT ASSEMBLY, AXLE (Left)	1
16	07-090152		BOLT, AXLE SHAFT	16
17	02-022813		GEAR SET, AXLE RING AND PINION (4.10:1)	1
18	02-022822		SPACER, PINION BEARING	1
19	02-022818		LOCKNUT ASSEMBLY	1
20	02-022823		CONE AND ROLLER, PINION BEARING (Rear)	1
21	02-022825		CUP, PINION BEARING (Rear)	1
22	02-022826		CUP, PINION BEARING (Front)	1
23	02-022827		CONE AND ROLLER, PINION BEARING (Front)	1
24	02-022828		SLINGER, PINION SHAFT OIL	1
25	02-022824		SEAL, PINION SHAFT OIL	1
26	02-020006		FLANGE ASSEMBLY, YOKE	1
27	02-022829		DEFLECTOR, OIL SEAL	1
28	02-023000		DIFFERENTIAL ASSEMBLY (Detroit Locker)	1
29	02-022830		BOLT, SELF LOCKING	10
30	02-022811		CONE AND ROLLER, DIFFERENTIAL BEARING	2
31	02-022810		CUP, DIFFERENTIAL BEARING	2
32			SHIM, DIFFERENTIAL BEARING ADJUSTMENT	A.R.
33	02-022816		O-RING, AXLE SHAFT (not shown)	2
34	02-020027	18.04	BRAKE ASSEMBLY, REAR DRUM (Right hand)	1
	02-020028	18.04	BRAKE ASSEMBLY, REAR DRUM (Left hand)	1
35	02-022812		BRAKE SHOE AND LINING KIT (Axle set. Primary and secondary shoes and linings for two wheels)	1
36	07-058500		NUT, LUG (9/16"-18, Grade 5)	16

TITLE

REAR AXLE ASSEMBLY

PLATE NO.	19.04	SIMON AERIALS INC.	REV. 25 FEB., 1992	PART NO.	02-022800
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Art # A19.04001S

TITLE

REAR AXLE ASSEMBLY

SIMON AERIALS INC.

REV. 25 FEB., 1992

PART
NO.

02-022800

PLATE
NO.

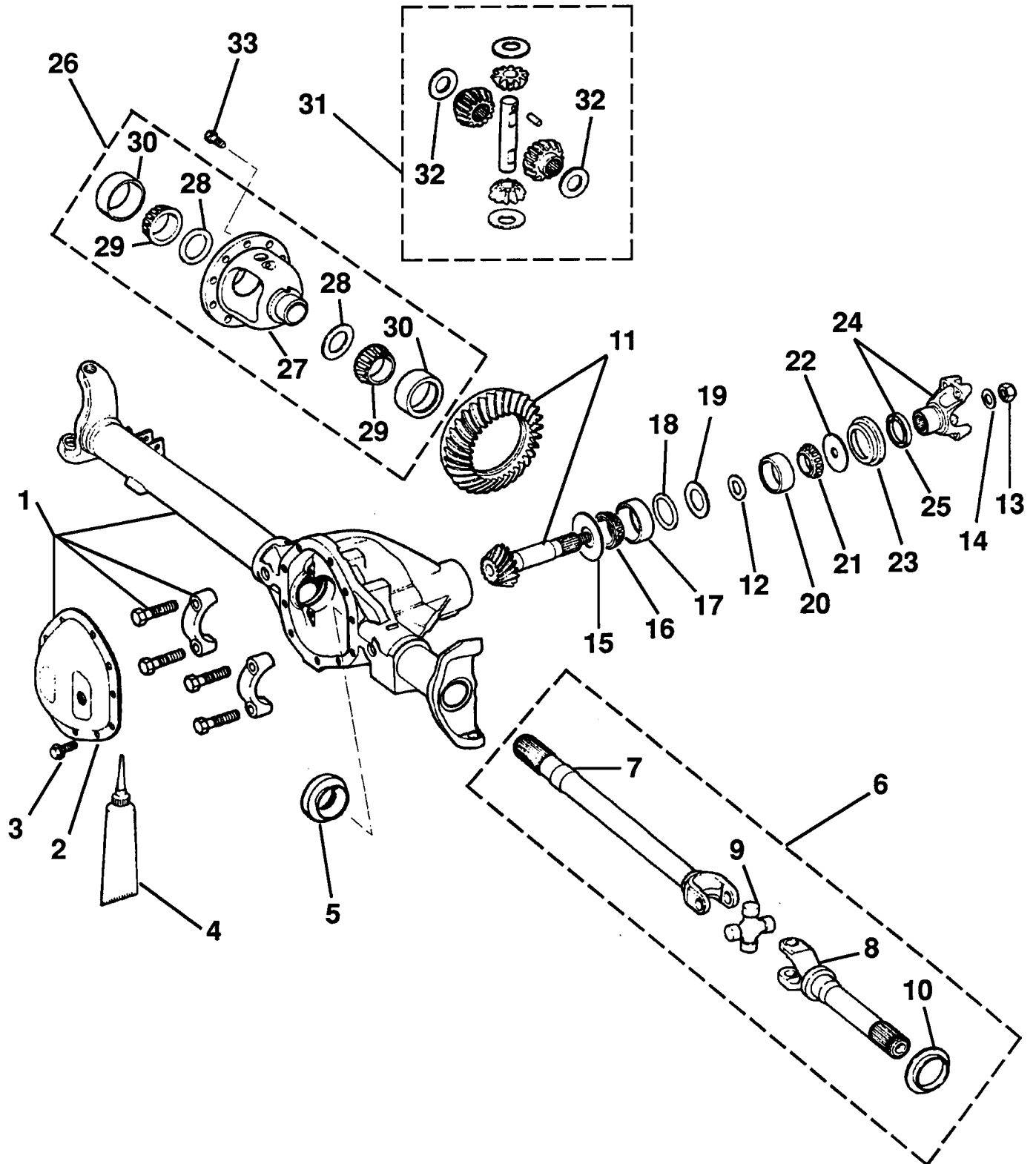
19.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-019959		HOUSING ASSEMBLY, AXLE	1
2	02-019958		COVER, DIFFERENTIAL HOUSING	1
3	02-019957		BOLT	A.R.
4	02-022229		SEALANT, RTV (Ford #D6AZ 19562-ba or equivalent)	A.R.
5	02-019911		SEAL	2
6	02-019905		SHAFT ASSEMBLY, AXLE [Right (long side)]	1
7	02-019901		SHAFT ASSEMBLY, AXLE [Left (short side)]	1
8	02-019912		SHAFT, AXLE (Inner)	1
9	02-019922		SHAFT, AXLE (Outer)	1
10	02-019906		JOINT, UNIVERSAL	1
11			SLINGER	1
12			GEAR SET, AXLE RING AND PINION	1
13	02-019961		SHIM (SPACER, PINION BEARING)	A.R.
14	02-019962		NUT	1
15	02-019951		WASHER	1
16	02-019950		SLINGER, OIL	1
17	02-019949		CONE AND ROLLER, PINION BEARING (Front)	1
18			CUP, PINION BEARING (Front)	1
19	02-019948		SHIM, DIFFERENTIAL BEARING ADJUSTMENT	A.R.
20	02-019947		SLINGER	1
21	02-019946		CUP, PINION BEARING (Rear)	1
22	02-019945		CONE AND ROLLER, PINION BEARING (Rear)	1
23	02-019944		SLINGER, OIL	1
24	02-019914		SEAL, PINION SHAFT OIL	1
25			FLANGE ASSEMBLY, YOKE	1
26	02-019952		DEFLECTOR, DUST	1
27			CASE KIT, DIFFERENTIAL	1
28			CASE, DIFFERENTIAL	1
29	02-019919		SHIM SET	1
30	02-019954		CONE AND ROLLER, DIFFERENTIAL BEARING	2
31	02-019956		CUP, DIFFERENTIAL BEARING	2
32	02-019955		GEAR KIT, DIFFERENTIAL	1
33			WASHER, THRUST	2
			BOLT	A.R.

TITLE FRONT AXLE ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	19.06	SIMON AERIALS INC.	REV. 05 MAR., 1992	PART NO. 02-019900
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TITLE

FRONT AXLE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 05 MAR., 1992

PART
NO.

02-019900

PLATE
NO.

19.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	02-019908		KNUCKLE, STEERING (Right) (includes item 35)	1
	02-019931		KNUCKLE, STEERING (Left) (includes item 35)	1
35	02-019965		BOLT	A.R.
36	02-019966		BRACKET, BRAKE CALIPER MOUNTING (Right)	1
	02-019967		BRACKET, BRAKE CALIPER MOUNTING (Left)	1
37			SHIELD, BRAKE ROTOR SPLASH	2
38	02-019921		PIN, FRONT AXLE SPINDLE	2
39	02-019916		BUSHING, SPINDLE PIN	2
40	02-019930		SPRING, UPPER ARM BALL JOINT	2
41	02-019929		SPRING, FRONT AXLE SPINDLE	2
42	02-019928		PLUG, UPPER BALL JOINT	2
43	02-019923		PLUG, LOWER BALL JOINT	2
44	02-019960		GASKET, SPINDLE PIN	4
45	07-004586		CAP SCREW, HEX HEAD (1/2"-20 x 1-1/4", Grade 8)	8
46	02-019964		WASHER	8
47	02-019924		SEAL, BALL STUD	2
48	02-019907		CONE AND ROLLER, BEARING	2
49	02-019915		CUP, BEARING	2
50	02-019926		CAP, GREASE	2
51	02-019927		SEAL, KING PIN	2
52	02-019934		SPINDLE ASSEMBLY	2
53			SPINDLE	1
54	02-019925		BEARING, FRONT AXLE SPINDLE PIN	1
55	02-019918		SEAL, SPINDLE (Outer)	2
56	02-019933		SPACER	2
57	02-019932		SEAL, SPINDLE (Inner)	2
58	02-019935		NUT, LOCK	12
59	02-019917		SEAL, HUB	2
60	02-019936		CONE AND ROLLER, WHEEL BEARING (Inner)	2
61	02-019938		HUB AND ROTOR ASSEMBLY	2
62			ROTOR, DISC BRAKE	1
63			HUB, FRONT WHEEL	1
64	02-019963		BOLT	A.R.
65	02-019920		CUP, WHEEL BEARING (Inner)	1
66	02-019939		CUP, WHEEL BEARING (Outer)	1
67	02-019940		CONE AND ROLLER, WHEEL BEARING (Outer)	2
68	02-019941		NUT, LOCK (Inner)	2
69	02-019942		WASHER, LOCK	2
70	02-019943		NUT, WHEEL BEARING ADJUSTING (Outer)	2
71	02-019903		CAP KIT, LOCKING HUB	2
72	02-019904		BODY KIT, LOCKING HUB	2
73	02-019902		SERVICE KIT, LOCKING HUB	2
74	02-019913		BOLT	16

TITLE

FRONT AXLE ASSEMBLY (PLATE 2 OF 2)

PLATE
NO.

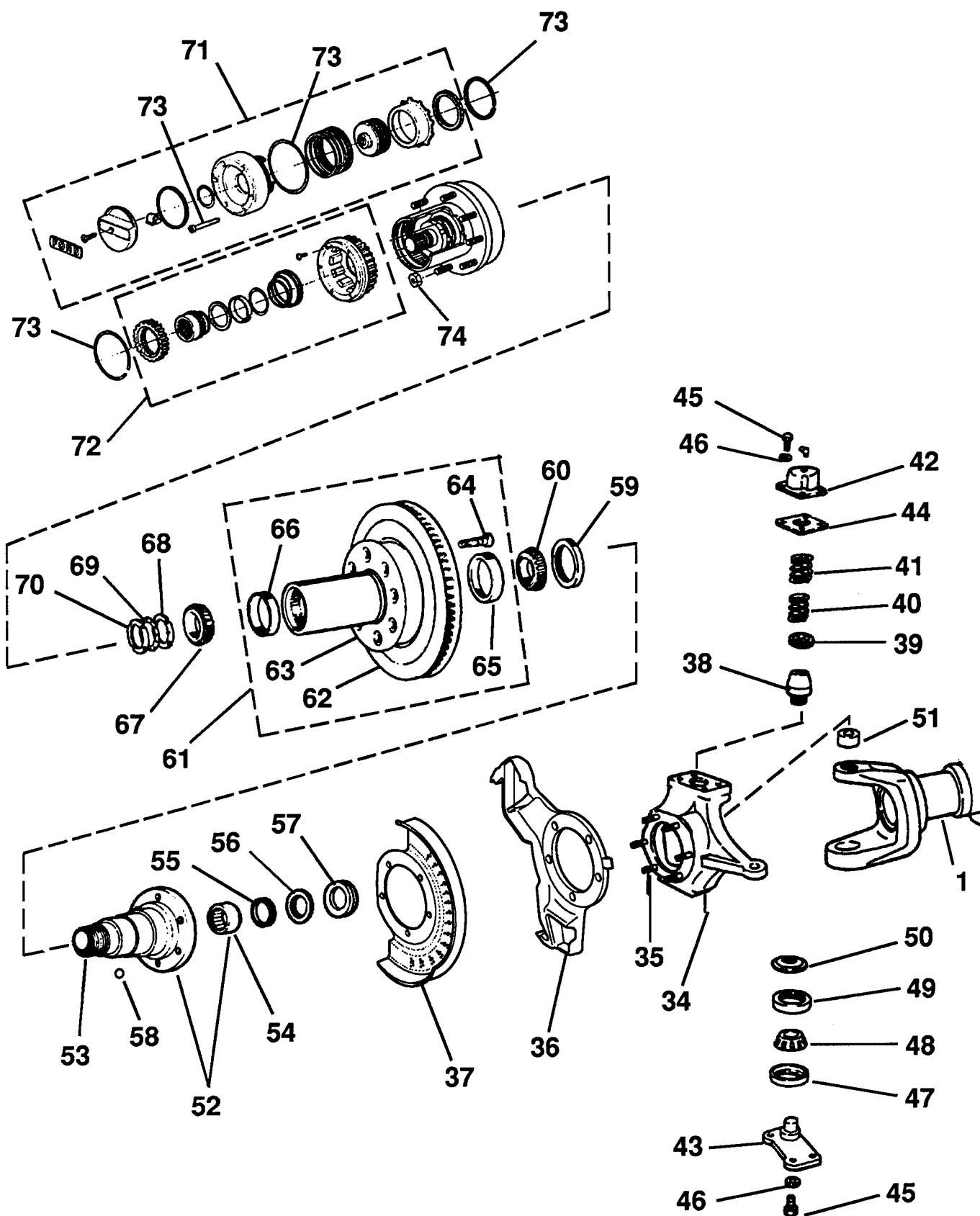
19.06

SIMON AERIALS INC.

REV. 05 MAR., 1992

PART
NO.

02-019900



TITLE

FRONT AXLE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 05 MAR., 1992

PART
NO.

02-019900

PLATE
NO.

19.06

PARTS LIST

[illegible]

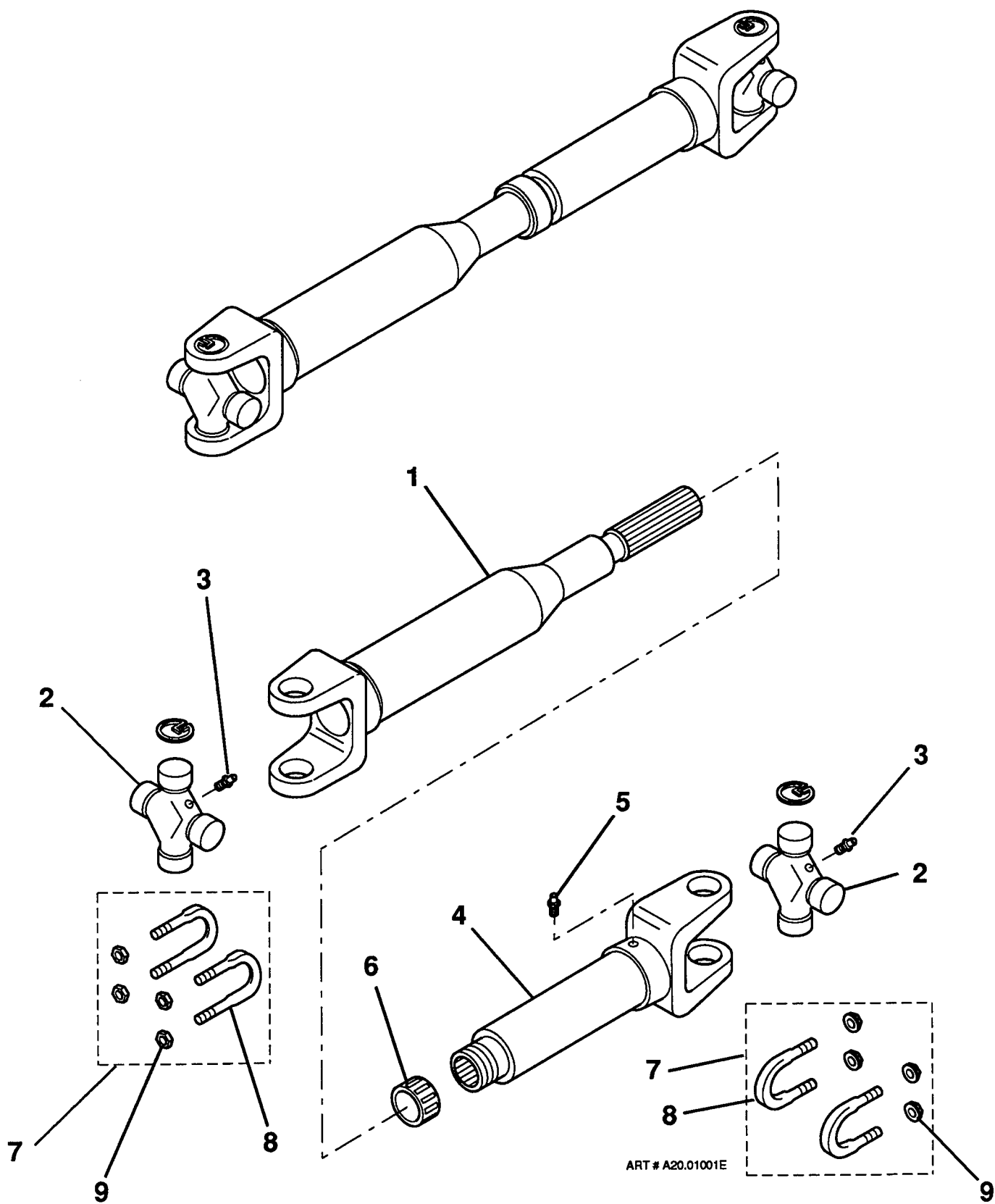
FRONT DRIVE SHAFT

20.01

SIMON AERIALS INC.

**PART
NO.**

02-021800



TITLE

FRONT DRIVE SHAFT

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-021800

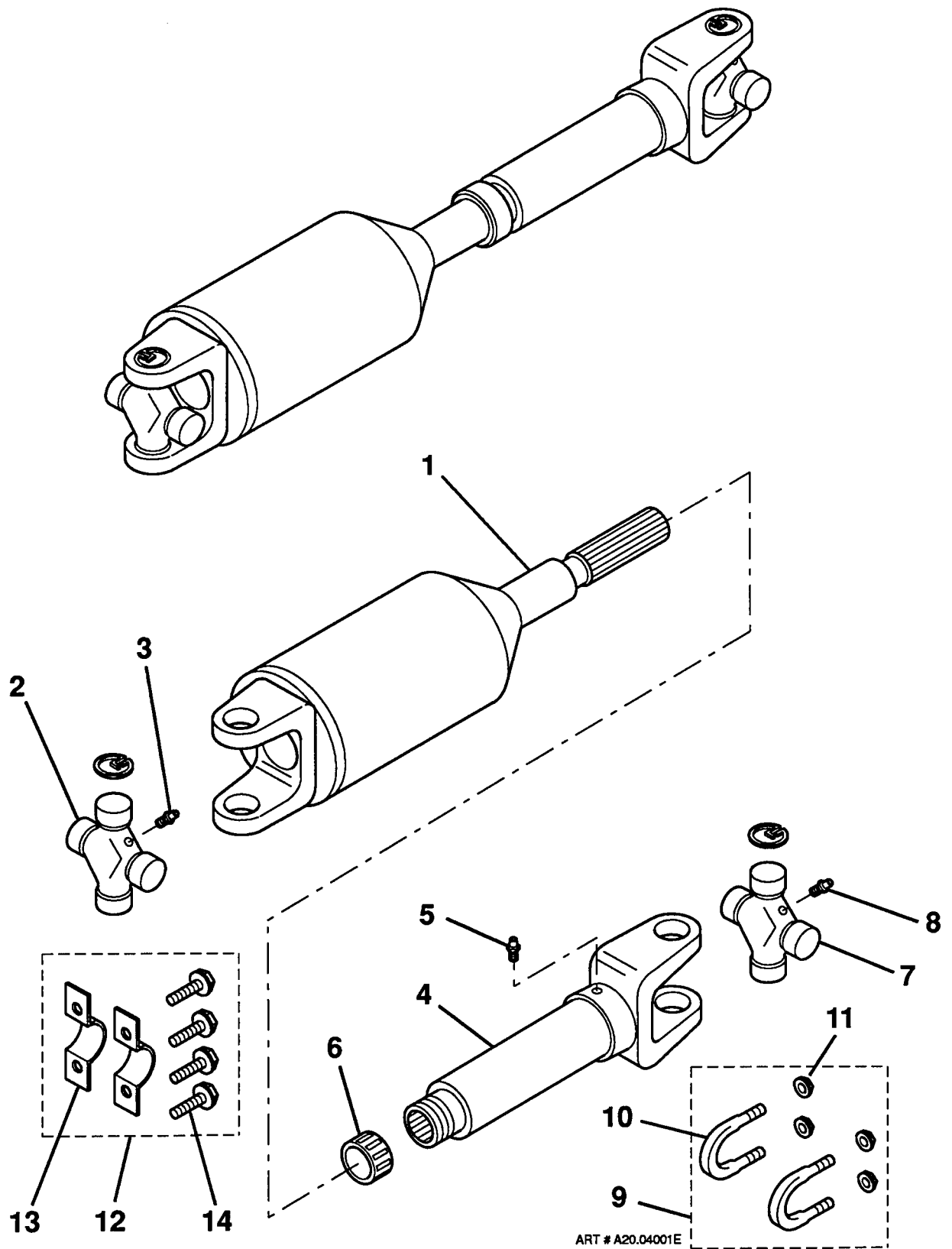
PLATE
NO.

20.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-021704		YOKE, DRIVE SHAFT	1
2	• 02-026002		JOINT, UNIVERSAL [has (2) 1-1/6" (27 mm) and (2) 1-3/16" (30 mm) end caps]	1
3			FITTING, GREASE	1
4	02-021708		YOKE, SLIP	1
5			FITTING, GREASE	1
6	• 02-021709		SEAL, GREASE	1
7	02-021703		JOINT, UNIVERSAL [(2) 1-1/8" (28.5 mm) and (2) 1-1/16" (27 mm) end caps]	1
8			FITTING, GREASE	1
			The following parts are not included as part of the Drive Shaft Assembly:	
9	02-026900		U-BOLT KIT [1-1/8" (28.5 mm) dia.]	1
10	02-021801		U-BOLT [1-1/8" (28.5 mm)]	2
11	07-050015		NUT, STOP (5/16"-18, Grade 5)	4
12	02-026001		CLAMP KIT [1-3/16" (30 mm) dia.]	1
13			CLAMP	2
14			BOLT, HEX HEAD	4

TITLE		REAR DRIVE SHAFT	
PLATE NO.	20.04	SIMON AERIALS INC.	REV. 17 AUG., 1993 PART NO. 02-026000



TITLE

REAR DRIVE SHAFT

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-026000

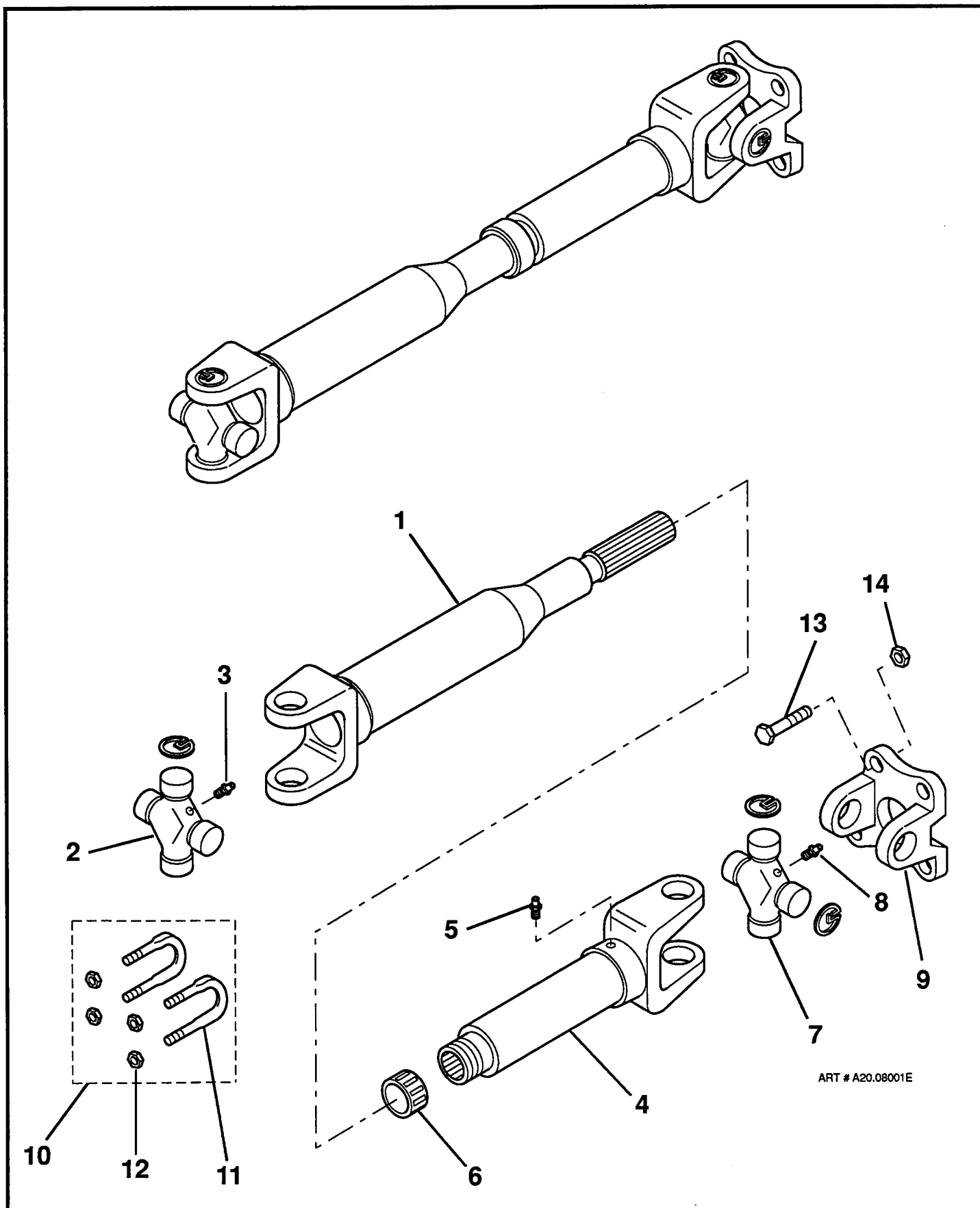
PLATE
NO.

20.04

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FRONT DRIVE SHAFT

02-030100



TITLE

FRONT DRIVE SHAFT

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART
NO.

02-030100

PLATE
NO.

20.08

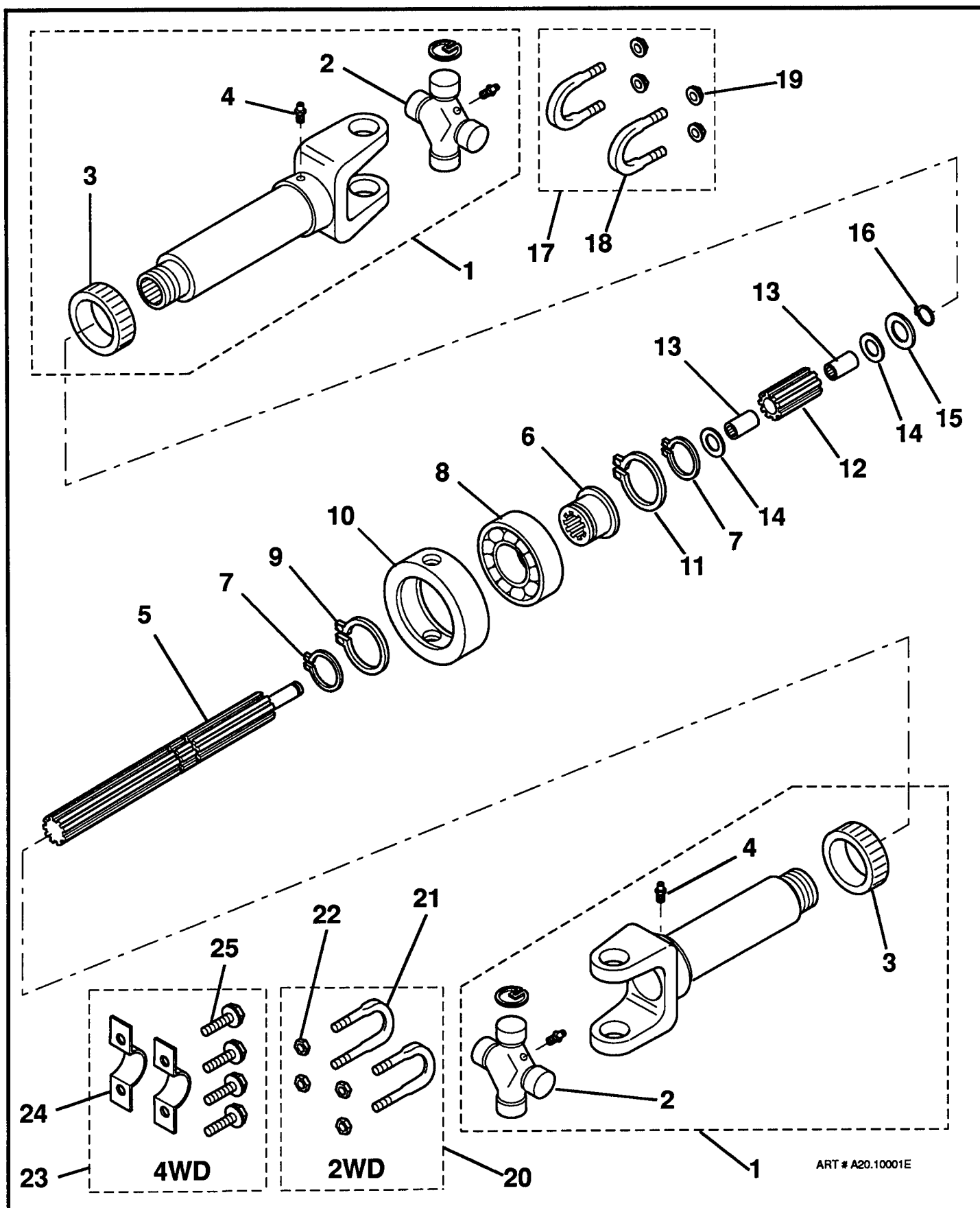
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-021702		YOKE, SLIP (includes universal joint)	2
2	02-021703		JOINT, UNIVERSAL	
			[(2) 1-1/8" (28.5 mm) and (2) 1-1/16" (27 mm) end caps]	1
3	02-021709		SEAL, GREASE	1
4			FITTING, GREASE	1
5	2136220		SHAFT, SPLINED	1
6	2136390		COLLAR, THROWOUT BEARING (inner)	1
7	08-062900		RING, RETAINING	2
8	08-062800		BEARING, BALL	1
9	08-063100		RING, RETAINING	1
10	2136400		COLLAR, THROWOUT BEARING (outer)	1
11	08-063200		RING, RETAINING	1
12	2136230		SHAFT, IDLER	1
13	08-062700		BEARING, NEEDLE	2
14	08-063400		BEARING, THRUST (bronze)	2
15	07-060020		WASHER, FLAT (9/16")	1
16	08-063000		RING, RETAINING	1
			The following parts are not included as part of the drive shaft assembly:	
17	02-026900		U-BOLT KIT [1-1/8" (28.5 mm) dia.]	1
18	02-021801		U-BOLT [1-1/8" (28.5 mm)]	2
19	07-050015		NUT, STOP (5/16"-18, Grade 5)	4
20	02-026800		U-BOLT KIT [1-1/16" (27 mm) dia.]	
			(for models with two wheel drive)	1
21	02-021701		U-BOLT [1-1/16" (27 mm)]	2
22	07-050015		NUT, STOP (5/16"-18, Grade 5)	4
23	02-026001		CLAMP KIT [1-3/16" dia.]	
			(for models with four wheel drive)	1
24			CLAMP	2
25			BOLT, HEX HEAD	4

TITLE DRIVE SHAFT, REAR (DISENGAGEABLE) . . . WITH TOW PACKAGE

PLATE NO. 20.10	SIMON AERIALS INC.	PART NO. 2136450
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REV. 17 AUG., 1993



TITLE DRIVE SHAFT, REAR (DISENGAGEABLE) . . . WITH TOW PACKAGE

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART NO. 2136450

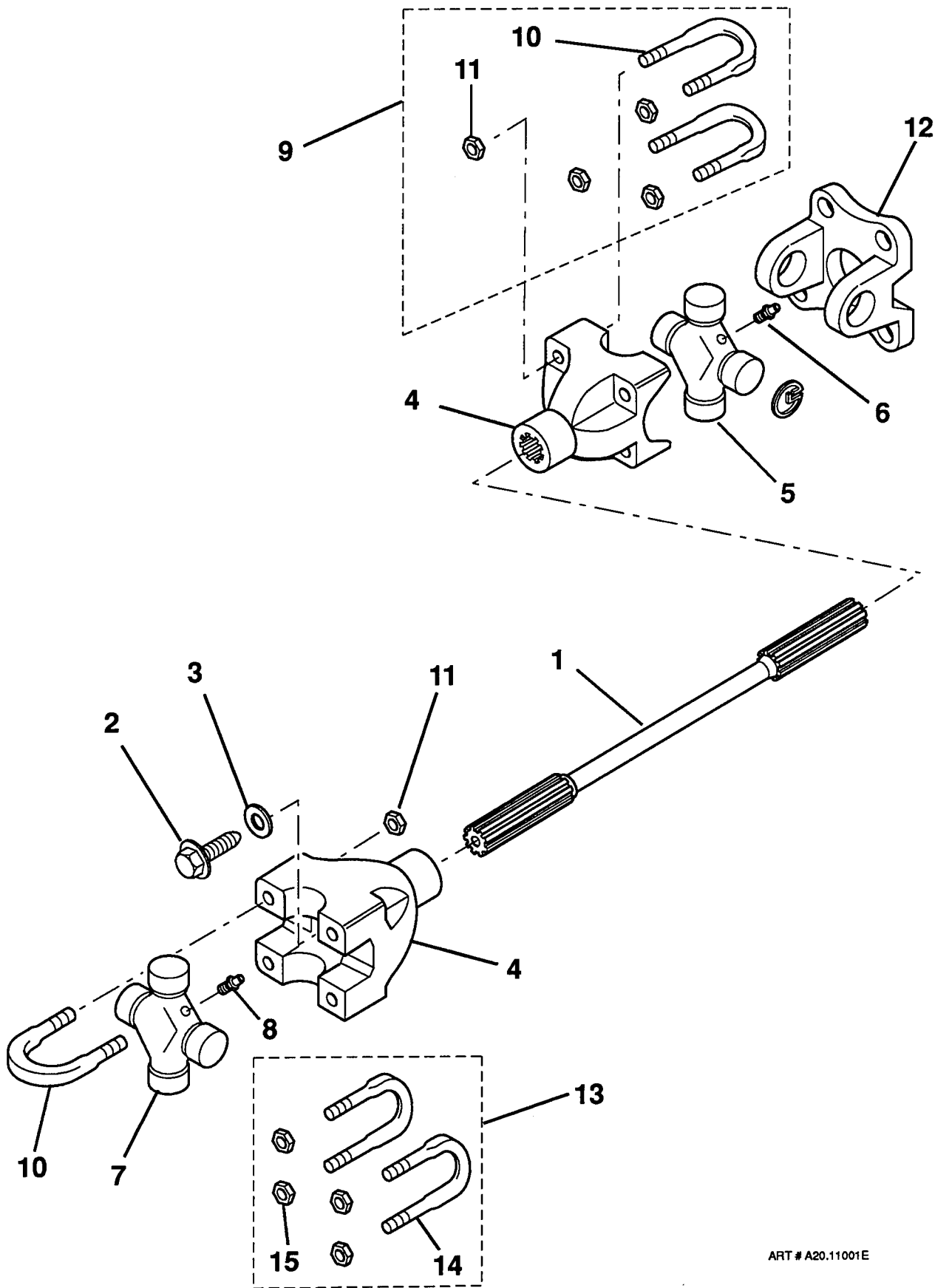
PLATE NO. 20.10

PARTS LIST

[illegible]

FRONT DRIVE SHAFT

3521150



ART # A20.11001E

TITLE

FRONT DRIVE SHAFT

SIMON AERIALS INC.

REV. 10/26/90

PART
NO.

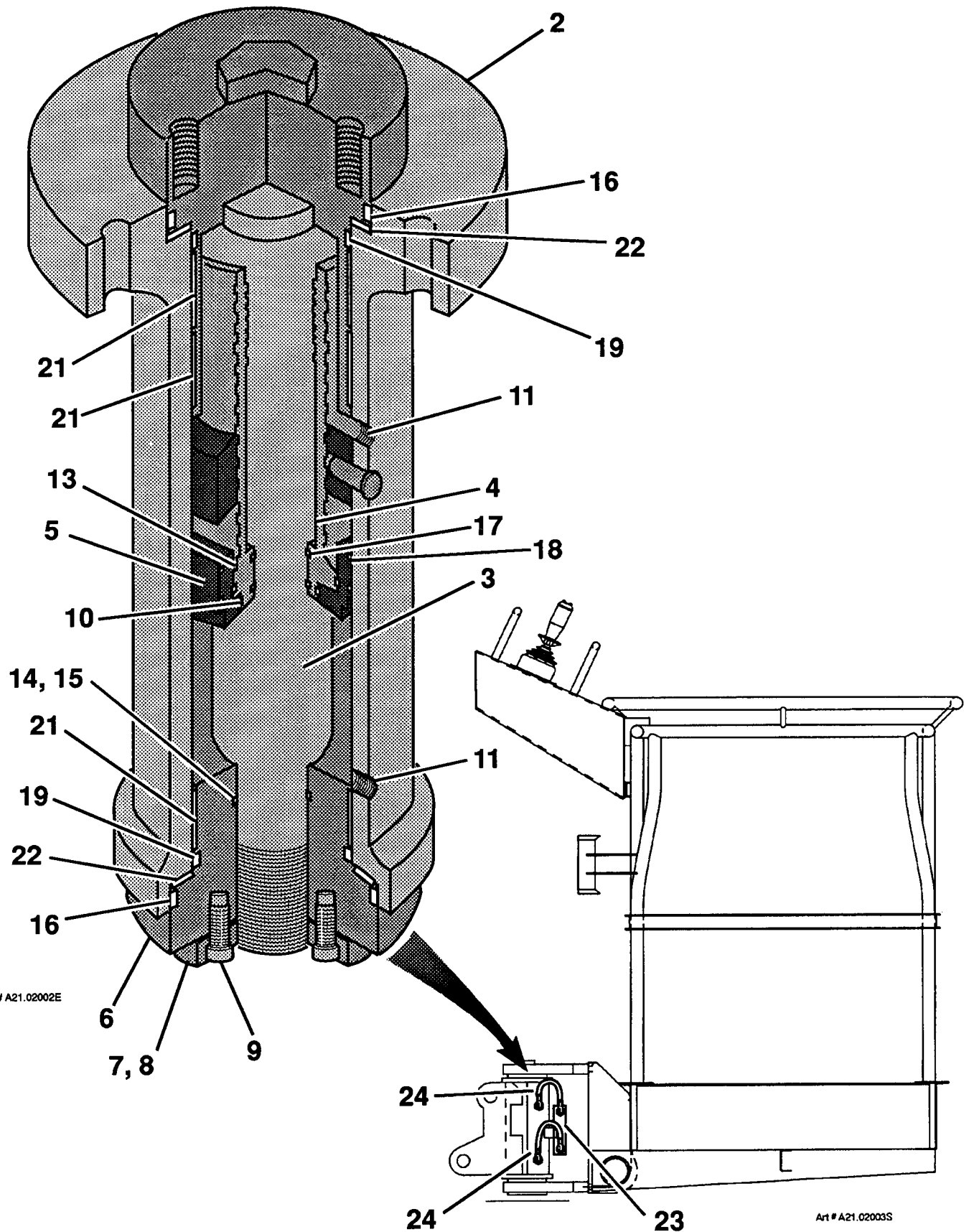
3521150

PLATE
NO.

20.11

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
				REV. 17 AUG., 1993

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

ROTARY ACTUATOR

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-023700

PLATE
NO.

21.02

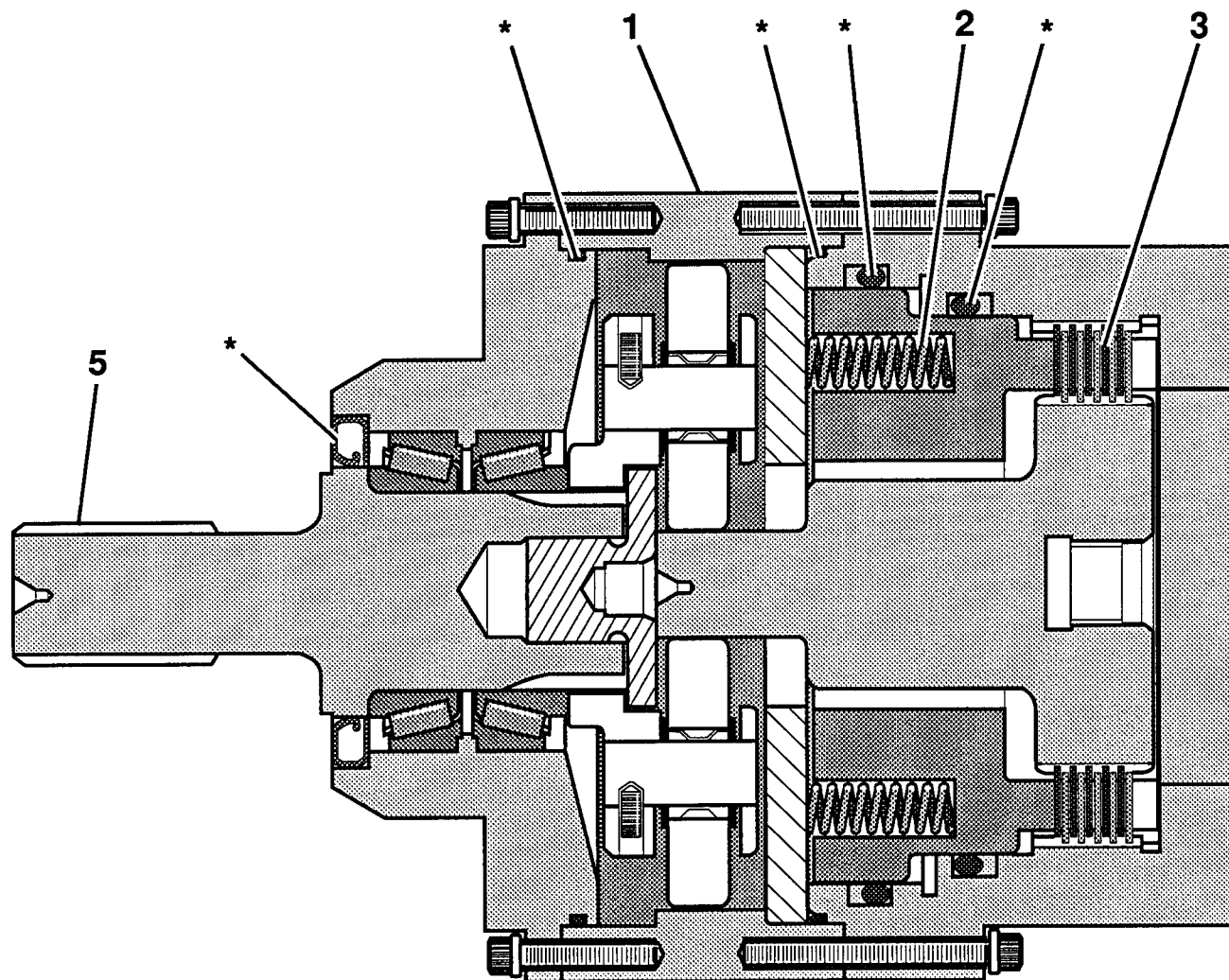
PARTS LIST

[illegible]

TITLE SPEED REDUCER WITH BRAKE

PLATE NO.	22.04	SIMON AERIALS INC.	REV. 17 AUG., 1993	PART NO.
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REV. 17 AUG., 1993



TITLE

SPEED REDUCER WITH BRAKE

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

PLATE
NO.

22.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-086801		VALVE, STEER (S1 and S2) (Superceded by 01-207600)	2
	01-207600		VALVE, STEER (S1 and S2) (Incl. coil, replaces 01-086801)	2
2	01-086803		SEAL KIT, STEER VALVE	
			(Used for 01-086801 only. Not for valve 01-207600.)	2
3	01-086802		COIL, STEER VALVE SOLENOID	
			(Used for 01-086801 only. Not for valve 01-207600.)	2
4	01-086804		VALVE, LIFT (S3)	1
5	01-086806		SEAL KIT, LIFT VALVE	1
6	01-086805		COIL, LIFT VALVE SOLENOID	1
7	01-086814		VALVE, BRAKE NEEDLE (N1)	1
8	01-086808		SEAL KIT, BRAKE NEEDLE VALVE	1
9	01-086807		VALVE, LOW SPEED (S7)	1
10	01-086808		SEAL KIT, LOW SPEED VALVE	1
11	01-086805		COIL, LOW SPEED VALVE SOLENOID	1
12	01-086813		VALVE, DRIVE RELIEF (R2)	1
13	01-086812		SEAL KIT, DRIVE RELIEF VALVE	1
14	01-086807		VALVE, DRIVE POWER SWITCH CONTROL (S4)	1
15	01-086808		SEAL KIT, DRIVE POWER SWITCH CONTROL VALVE	1
16	01-086805		COIL, DRIVE POWER SWITCH CNTRL.VALVE SOLENOID	1
17	01-086809		VALVE, BRAKE (S6)	1
18	01-086810		SEAL KIT, BRAKE VALVE	1
19	01-086805		COIL, BRAKE VALVE SOLENOID	1
20	01-086809		VALVE, HIGH SPEED (S5)	1
21	01-086810		SEAL KIT, HIGH SPEED VALVE	1
22	01-086805		COIL, HIGH SPEED VALVE SOLENOID	1
23	01-086811		VALVE, SYSTEM RELIEF (R1)	1
24	01-086812		SEAL KIT, SYSTEM RELIEF VALVE	1
25	01-086815		VALVE, CHECK (C1)	1
26	01-086806		SEAL KIT, CHECK VALVE	1

TITLE

HYDRAULIC MANIFOLD ASSEMBLY

**PLATE
NO.**

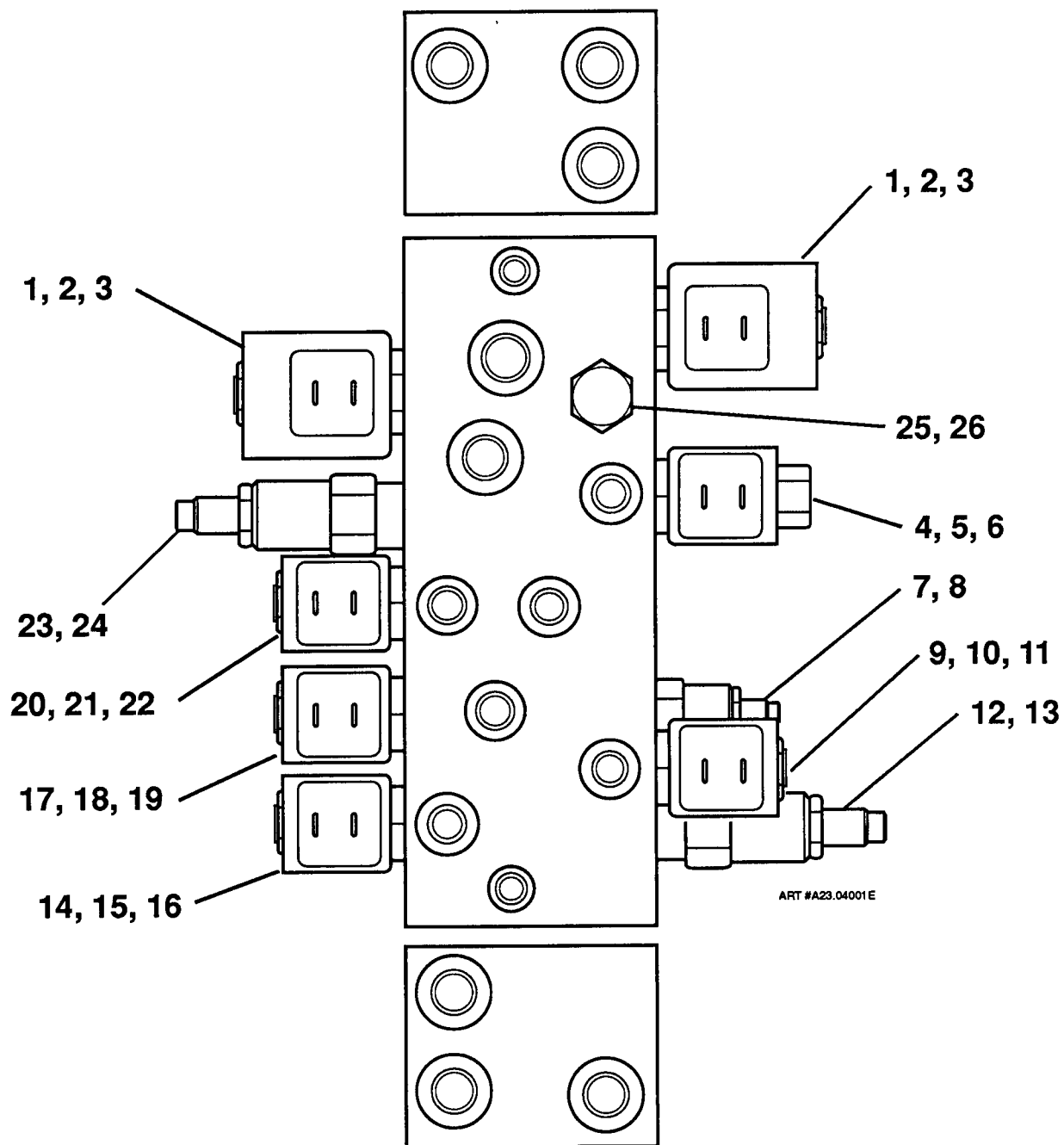
23.04

SIMON AERIALS INC.

REV. 12 DEC., 1991

PART
NO.

01-086800



TITLE

HYDRAULIC MANIFOLD ASSEMBLY

SIMON AERIALS INC.

REV. 12 DEC., 1991

PART
NO.

01-086800

PLATE
NO.

23.04

PARTS LIST

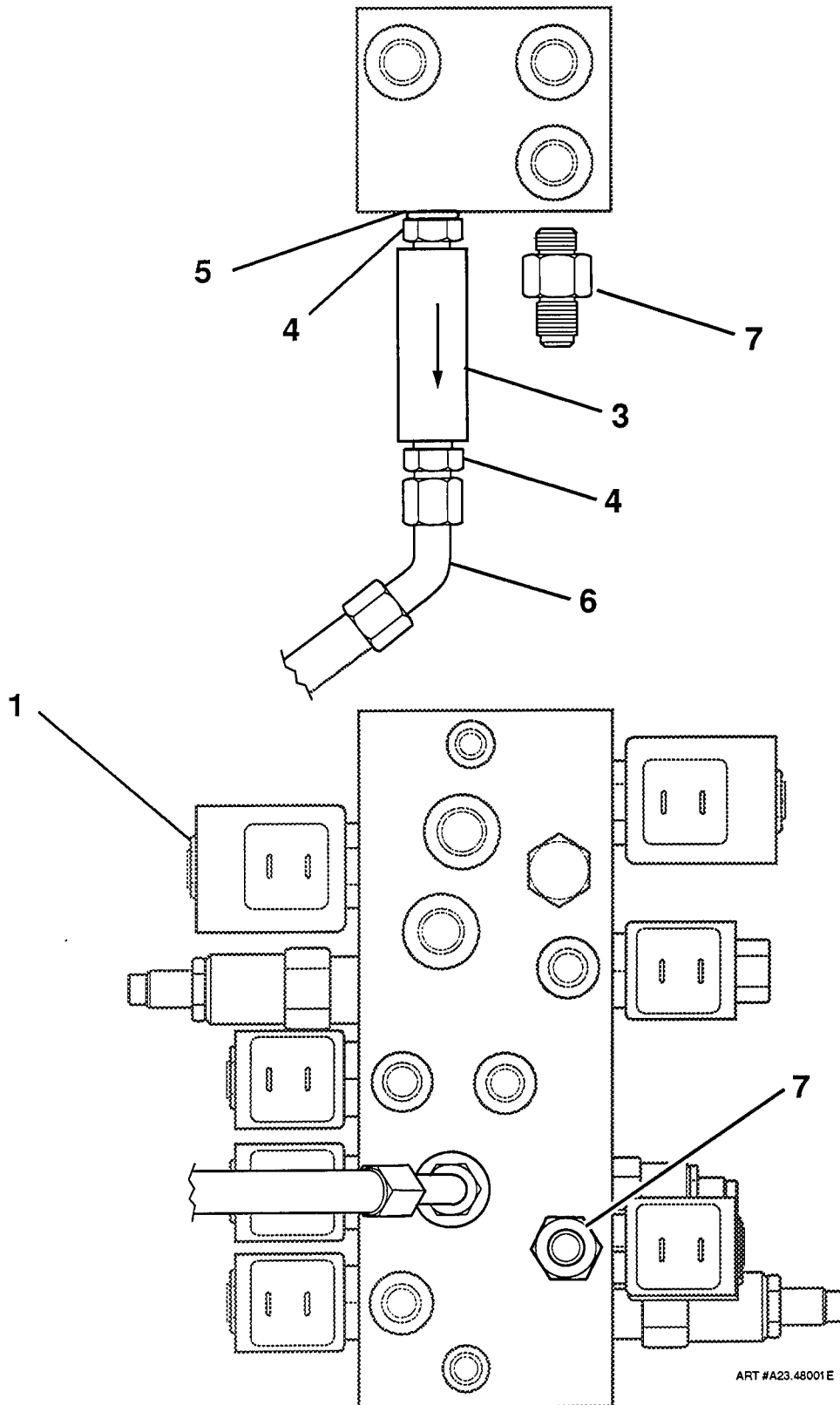
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TITLE HYDRAULIC MANIFOLD ASSEMBLY, AT30C, AT40C

PLATE NO.	23.48	SIMON AERIALS INC.
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REV. 17 AUG., 1993

PART
NO.



TITLE

HYDRAULIC MANIFOLD ASSEMBLY, AT30C, AT40C

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

PLATE
NO.

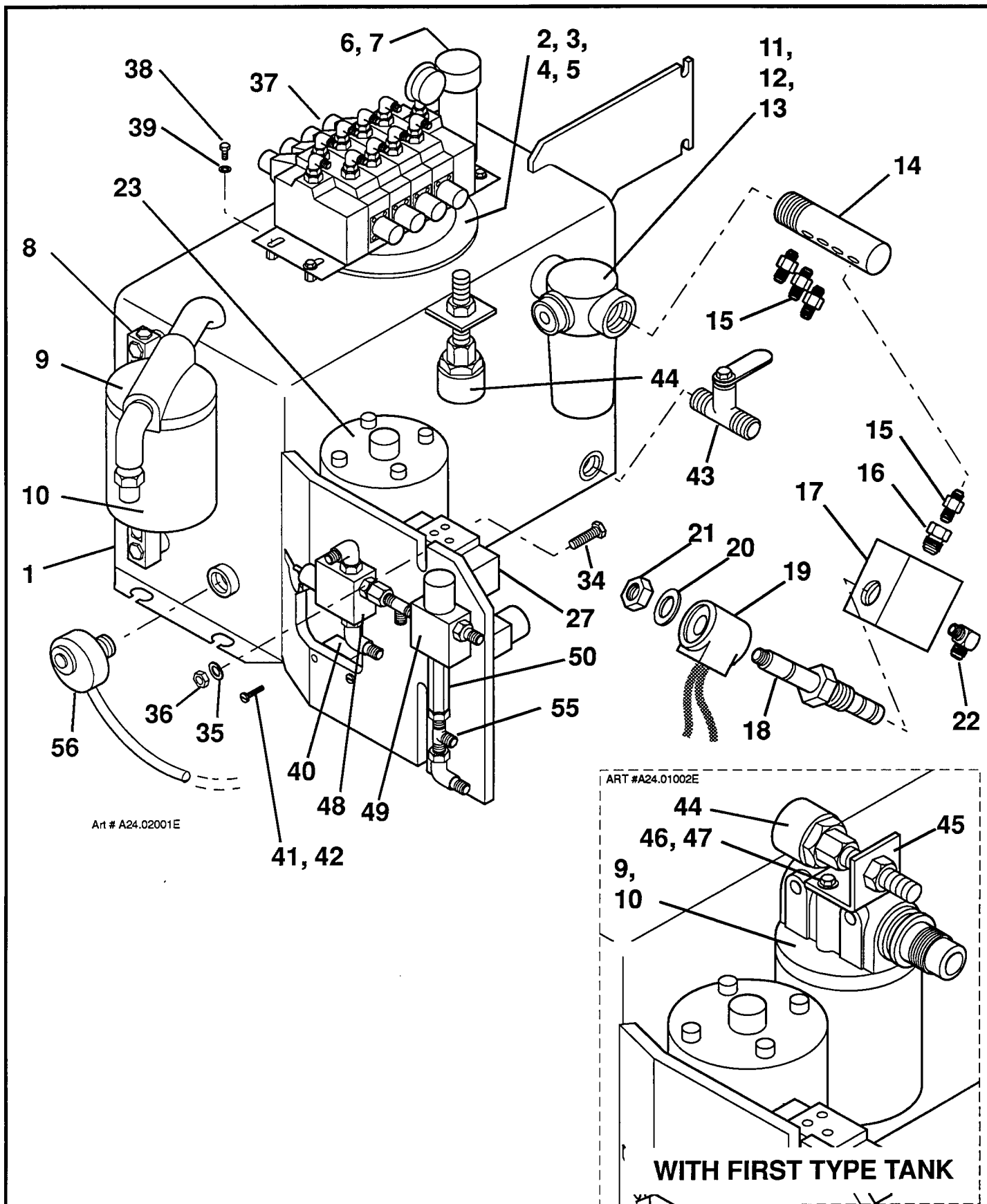
23.48

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2139290		TANK WELDMENT, HYDRAULIC (First type: Both filters are on engine side of tank)	1
			TANK WELDMENT, HYDRAULIC (Second type: One filter is at rear of machine, other on engine side of tank)	
	2171370		without heater orifice	1
	• 2187010		with heater orifice	1
2	2142090		COVER, HYDRAULIC TANK CLEANOUT	1
3	01-087600		"O"-RING, COVER	1
4	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	1
5	01-087700		WASHER, FLAT (with "O"-ring seal)	1
6	10-001800		CAP, HYDRAULIC TANK	1
7	2144600		STRAINER	1
8	10-032500		GAUGE, SIGHT (7")	1
9			FILTER ASSEMBLY, SUCTION LINE	1
	01-082000		Obsolete. Use 01-201900.	1
	• 01-201900		With gauge. Replaces obsolete filter 01-082000.	1
10	01-082001		ELEMENT, SUCTION LINE FILTER	1
11			FILTER ASSEMBLY, RETURN LINE	1
	01-080500		Obsolete. Use 01-201800.	1
	• 01-201800		Replaces obsolete filter 01-080500.	1
12	01-080501		INDICATOR, FILTER	1
13	01-080502		ELEMENT, RETURN LINE FILTER	1
14	2143340		MANIFOLD, RETURN LINE	1
15	06-000900		CONNECTOR, MALE (6-6 FTX-S)	4
16	06-079000		ADAPTER, SWIVEL NUT (6 F65X-S)	1
17	01-202100		VALVE, BRAKE SYSTEM DUMP (includes cartridge & coil)	1
			Note: Cartridge is stamped SV08-24 . Earlier valves, with cartridges stamped SV08-21 or SV08-20 will be replaced with this latest type.	1
18	01-202101		CARTRIDGE (stamped SV08-24) Note: Earlier cartridges, stamped SV08-21 or SV08-20 will be replaced with this latest type.	1
19			COIL, BRAKE DUMP VALVE SOLENOID Note: Replacement coil may have terminals or leads. Modify as required for proper installation.	1
20			WASHER, FLAT	1
21			NUT	1
22	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
23	3515560		PUMP ASSEMBLY, EMERGENCY HYDRAULIC	1
24	01-027200	12.03	PUMP, EMERGENCY HYDRAULIC	1
25	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
26	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1

TITLE HYDRAULIC TANK ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	24.02	SIMON AERIALS INC.	REV. 18 AUG., 1993	PART NO. 3517570
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TITLE

HYDRAULIC TANK ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 18 AUG., 1993

PART
NO.

3517570

PLATE
NO.

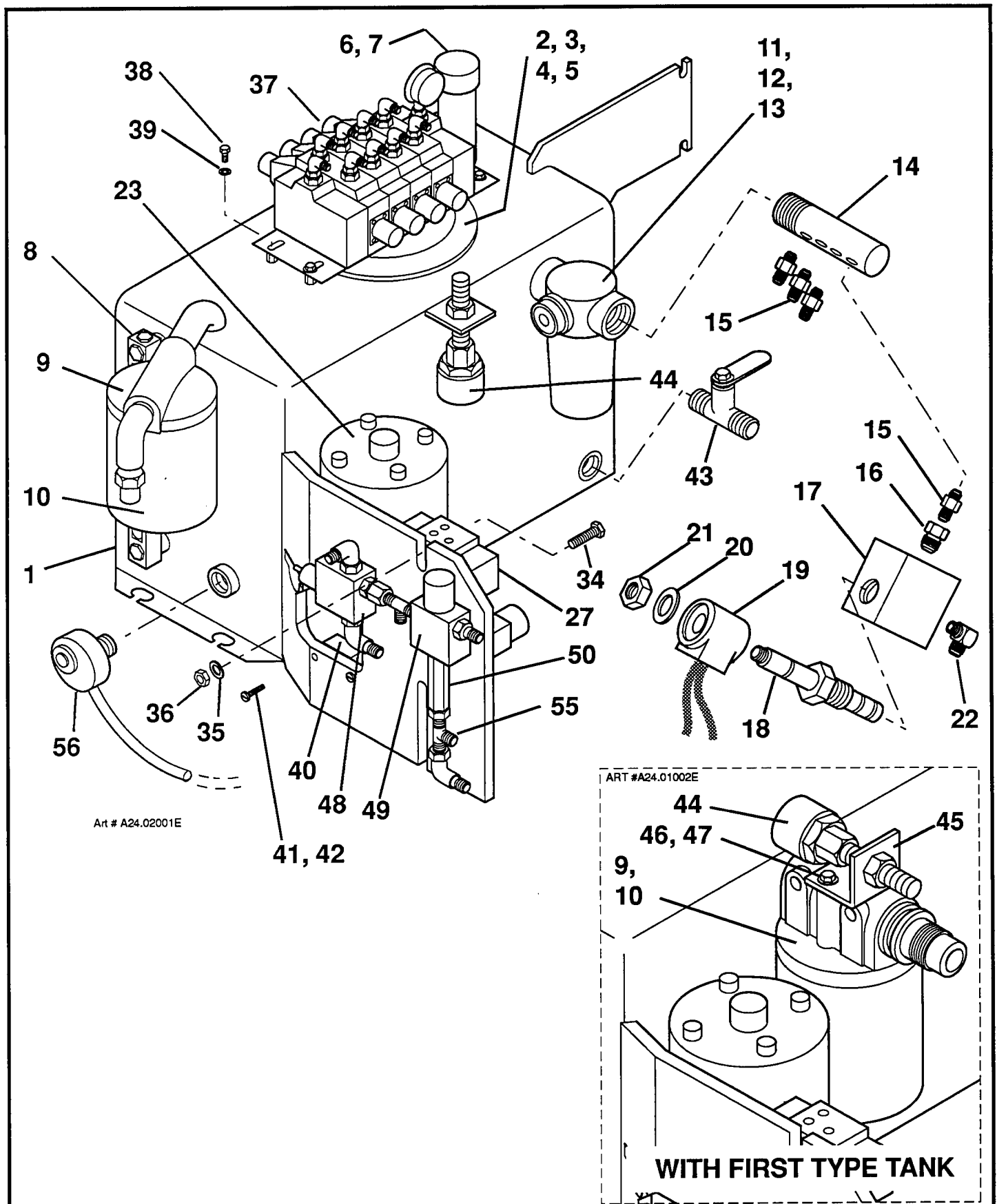
24.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	3515570		MANIFOLD VALVE SUBASSEMBLY	1
28	01-086800	23.04	BLOCK ASSEMBLY, HYDRAULIC MANIFOLD (see also Plate 23.48 or 23.49)	1
29	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	5
30	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	2
31	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	3
32	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
33	06-094800		PLUG, HEX SOCKET (4 HP50N-S)	2
34	07-008041		CAP SCREW, SOCKET HEAD (5/16"-18 x 3-1/2") (used when studs are not installed)	2
35	07-062015		WASHER, FLAT (5/16")	2
36	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
37	01-092100	06.09	VALVE BANK, GROUND (Type 1) Note: On a "Type 1" assembly, the brackets mounting the valve bank to the bosses on the tank are "L" shaped.	1
	01-098400	06.12	Note: Adapter, item 37A, is needed with this valve bank. VALVE BANK, GROUND (Type 2) Note: On a "Type 2" assembly, the brackets mounting the valve bank to the bosses on the tank are flat.	1
37A	2146870		ADAPTER, VALVE BANK (used with "Type 1" valve bank)	1
38	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	4
39	07-065016		WASHER, LOCK (3/8")	4
40	03-463400		TIMER	1
41	07-011345		MACHINE SCREW, PHILLIPS HEAD (#8-32 x 1", Grade 2)	2
42	07-050009		NUT, STOP (#8-32, Grade 5)	2
43	01-020600		VALVE, BALL (3/4" NPT)	2
44	01-099200		SWITCH, PRESSURE	1
45	2164140		BRACKET, PRESSURE SWITCH MOUNTING	1
46	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8")	2
47	07-065015		WASHER, LOCK (5/16")	2
48	01-096800		VALVE, BRAKE SEQUENCE	1
49	01-097600		VALVE, THREE WAY	1
50	01-020800		VALVE, BRAKE CHECK	1
51	03-468000		HARNESS, HYDRAULIC CONTROL VALVE WIRE	1
52	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
53	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
54	06-079000		ADAPTER, SWIVEL NUT (6 F65X-S)	1
55	2173730		RUN TEE, WHEEL BRAKE modified 6 R50X-S with .021" orifice	1
	2184730		modified 6 R50X-S with .050" orifice	1
56	03-457300		HEATER, HYDRAULIC TANK (120 Volt AC, 1000 W) (option)	1

TITLE HYDRAULIC TANK ASSEMBLY (PLATE 2 OF 2)

PLATE NO.	24.02	SIMON AERIALS INC.	REV. 18 AUG., 1993	PART NO. 3517570
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TITLE

HYDRAULIC TANK ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 18 AUG., 1993

PART
NO.

3517570

PLATE
NO.

24.02

PARTS LIST

ITEM	PART NO	SEE SECT.	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.

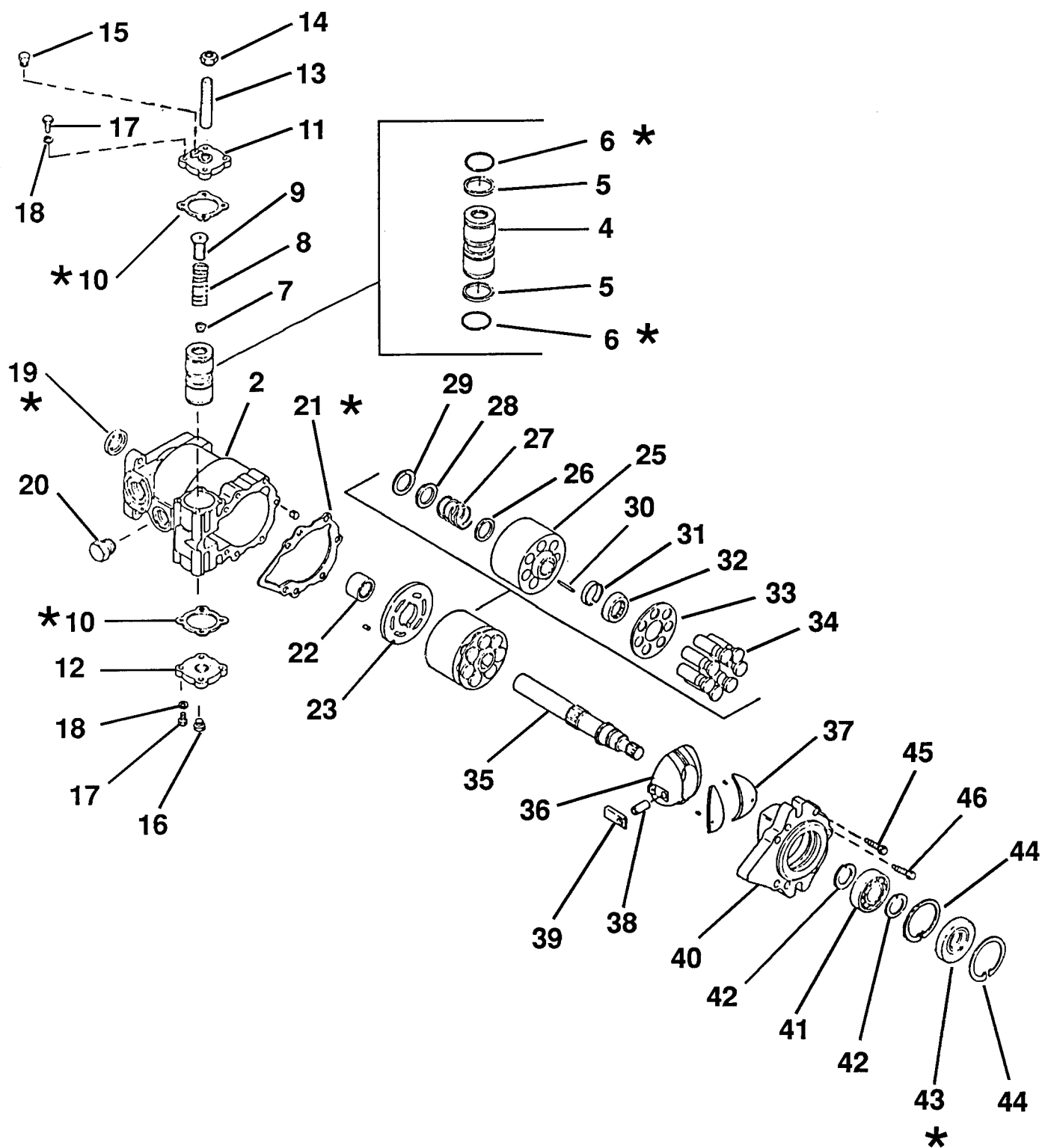
26.02

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

PARTS LIST

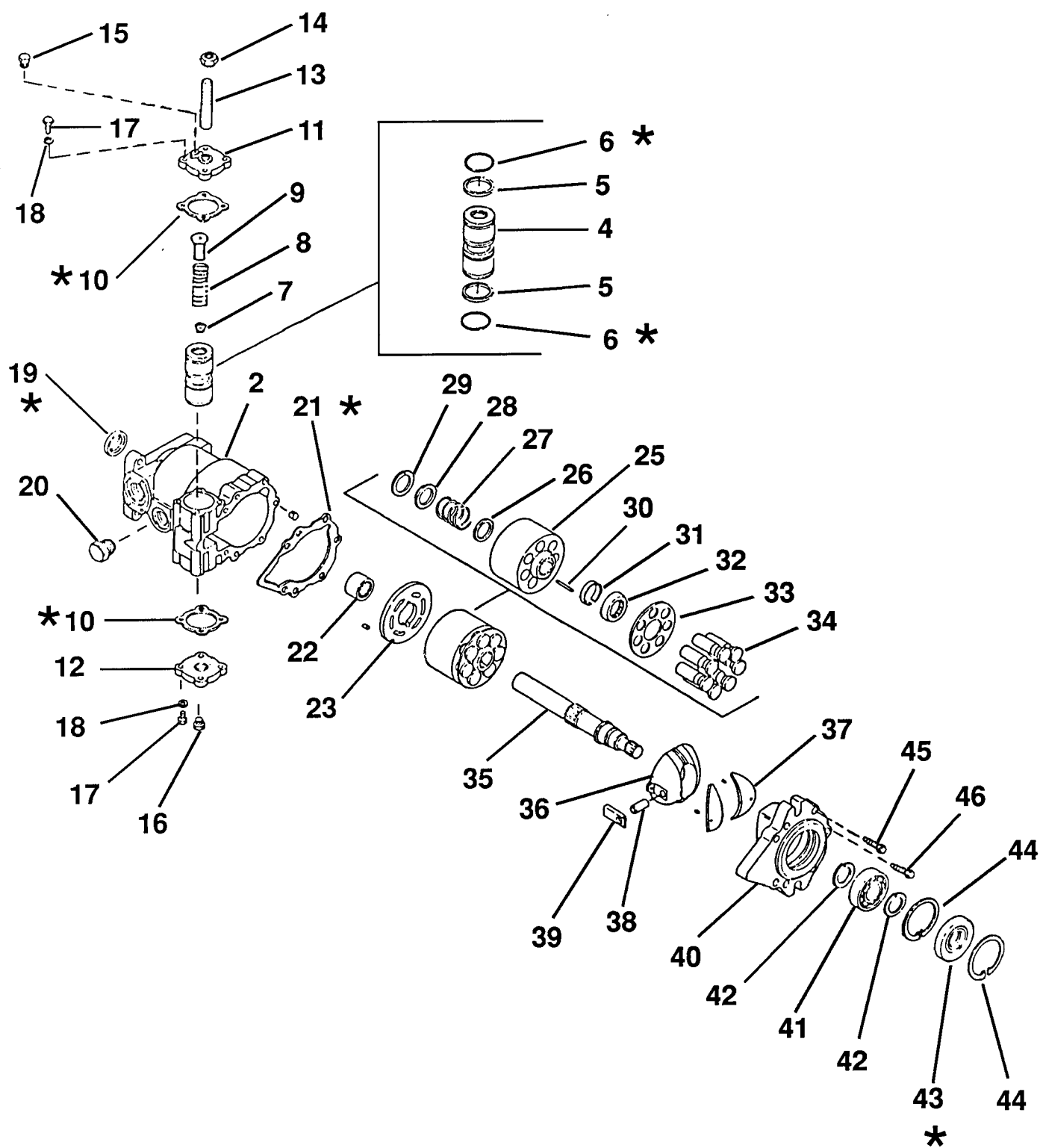
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TITLE HYDRAULIC MOTOR (PLATE 2 OF 2)

PLATE NO.	26.02	SIMON AERIALS INC.
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REV. 19 AUG., 1993

PART NO. 01-086600



TITLE

HYDRAULIC MOTOR (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-086600

PLATE
NO.

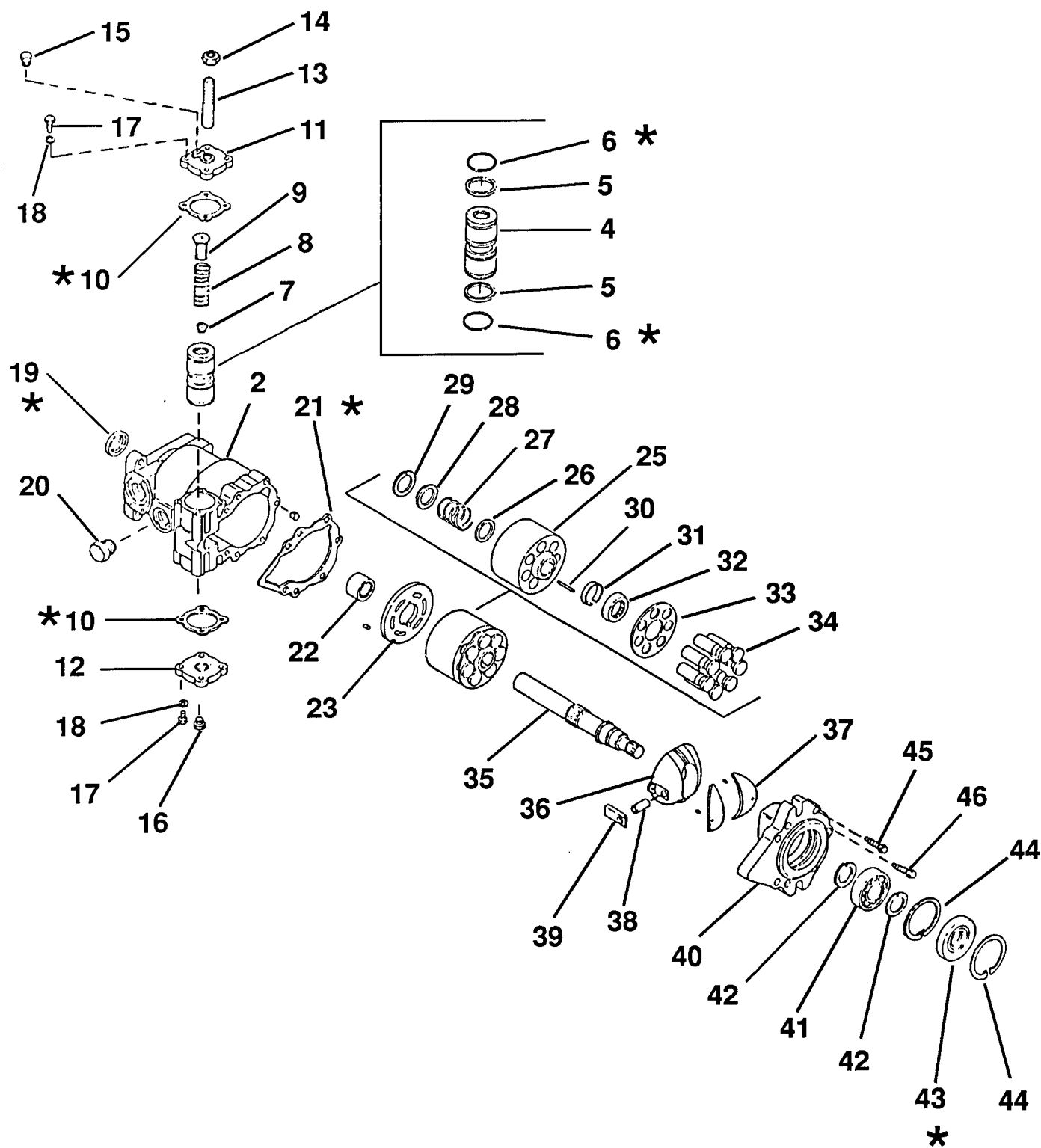
26.02

PARTS LIST

ITEM	PART NO	SEE SECT.	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	01-088601		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. 26.03	SIMON AERIALS INC.	REV. 19 AUG., 1993	PART NO. 01-088600
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TITLE

HYDRAULIC MOTOR (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-088600

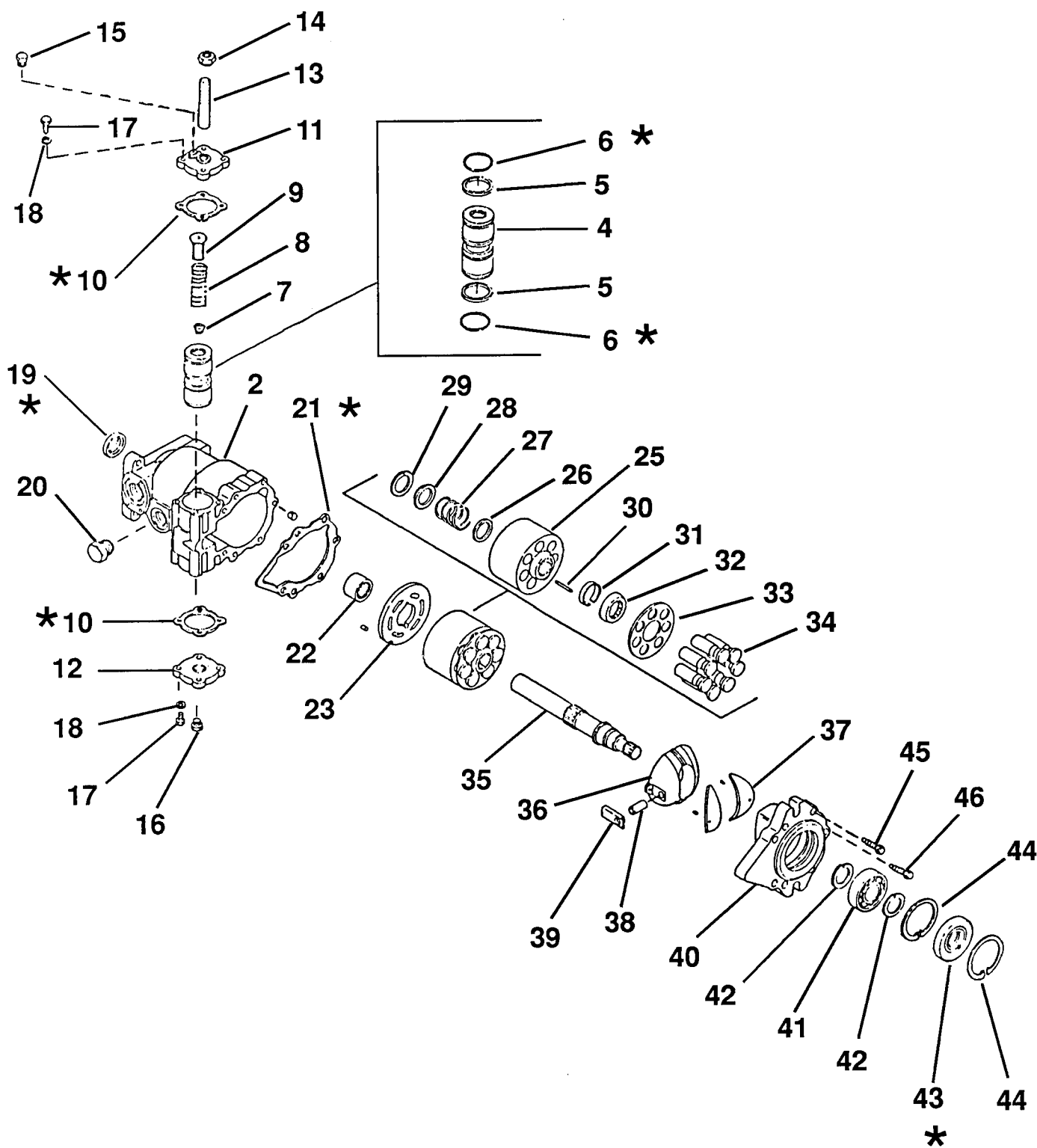
PLATE
NO.

26.03

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HYDRAULIC MOTOR (PLATE 2 OF 2)

01-088600



TITLE

HYDRAULIC MOTOR (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART NO. 01-088600

PLATE NO. 26.03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING, SWING REDUCER	1
2	02-022104		SHAFT, WORM	1
3	02-000423		CONE AND ROLLER, INPUT BEARING [1-5/8" (41mm) bore]	1
4	02-000402		CUP, INPUT BEARING [3-1/4" (83 mm) O.D.]	1
5	02-022106		RETAINER, INPUT BEARING	1
6			CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4")	2
7			WASHER, FLAT (1/2")	2
8	02-000421		CONE AND ROLLER, BEARING [1" (25 mm) bore]	1
9	02-000434		CUP, BEARING [2-9/16" (65 mm) O.D.]	1
10	02-022103		RETAINER, BEARING	1
11			CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	4
12			WASHER, HELICAL LOCK (3/8")	10
13	02-023501		SHAFT, OUTPUT	1
14	02-022102		GEAR, WORM	1
15			KEY	1
16	02-022107		SPACER	1
17	02-022105		SPACER	1
18	02-022116		BEARING, BALL	1
19	02-022109		NUT, CASTLE	1
20	02-022118		PIN, COTTER (1/8" x 1-1/2")	1
21	02-023503		COVER, SWING REDUCER	1
22	02-022114		CONE AND ROLLER, BEARING	2
23	02-022115		CUP, BEARING	2
24			CAP SCREW, HEX HEAD (3/8"-16 x 1")	6
25	02-022101		SEAL KIT, SWING REDUCER	1
26			GASKET, BEARING RETAINER [1/64" (0.4 mm)] (1 in kit)	A.R.
			GASKET, BEARING RETAINER [1/32" (0.8 mm)] (3 in kit)	A.R.
27	02-023502		GASKET, MOTOR MOUNTING [1/32" (0.8 mm)]	2
28	02-000431		SEAL, WORM SHAFT [1" (25 mm) I.D.]	1
29			"O"-RING, BEARING RETAINER	1
30			SEAL, OUTPUT SHAFT	1
31			"O"-RING, COVER	1
32			"O"-RING, BEARING RETAINER	1
33	02-022120		BUSHING, REDUCER (3/8" to 1/8")	1
34			FITTING, GREASE (1/4"-28, 90°)	1
35			PLUG, HEX SOCKET (3/8"-18)	1
36	02-022117		PLUG, VENT	1

TITLE

SWING REDUCER ASSEMBLY

PLATE NO.

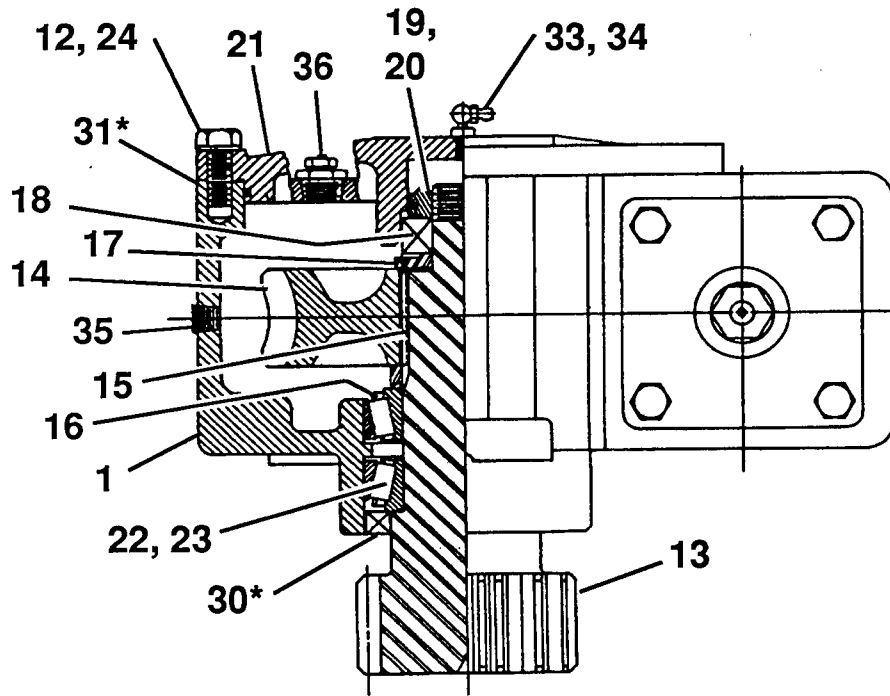
28.02

SIMON AERIALS INC.

REV. 23 AUG., 1993

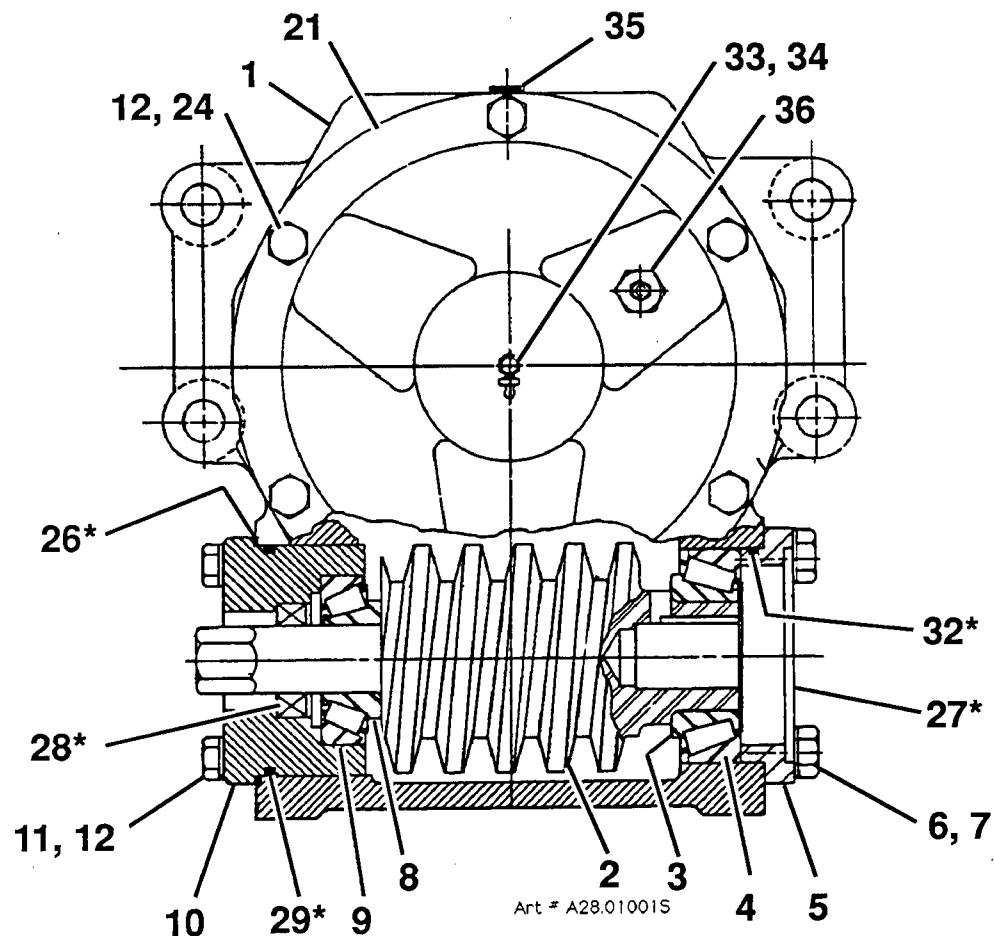
PART NO.

02-023500



Art # A28.01002S

Cutaway view in direction of Arrow "A"



Art # A28.01001S

TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 23 AUG., 1993

PART
NO.

02-023500

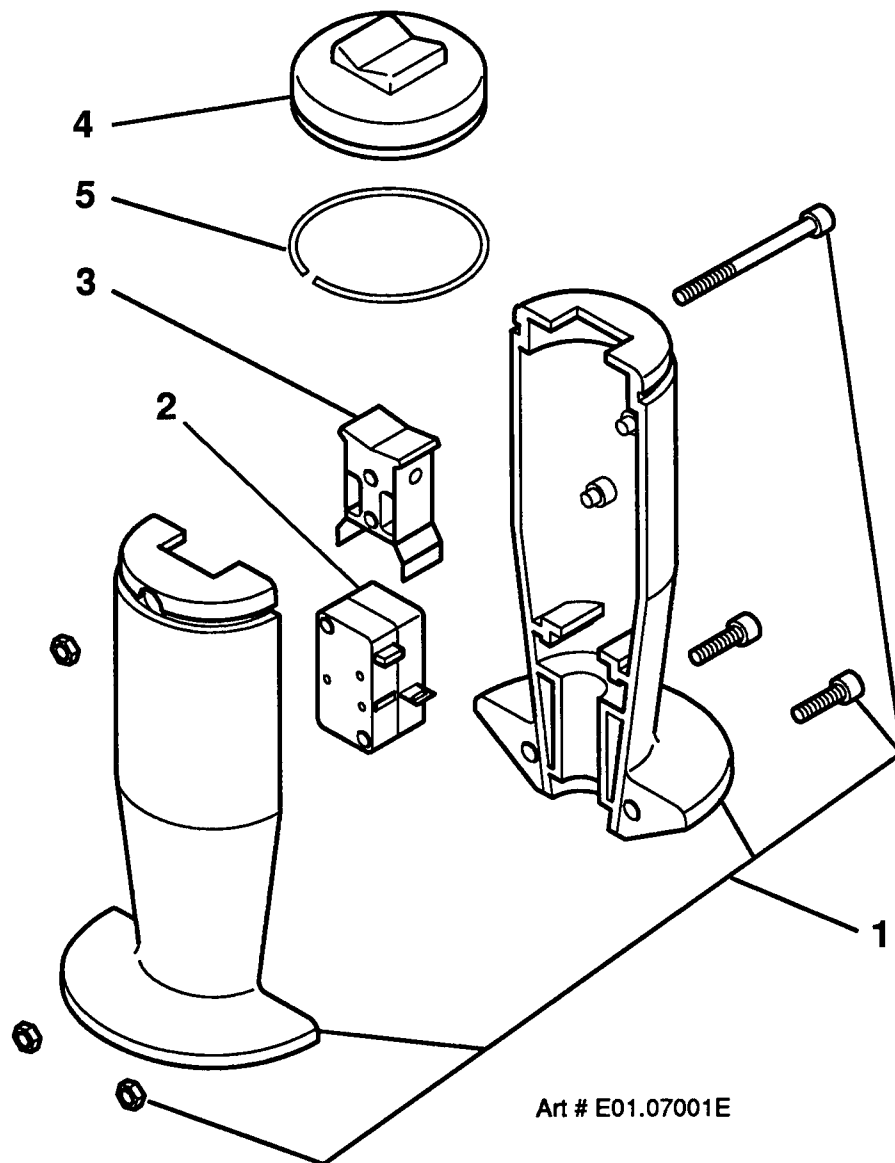
PLATE
NO.

28.02

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

PART NO. 03-402200



Art # E01.07001E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 09/11/91

PART
NO.

03-402200

PLATE
NO.

29.04

PARTS LIST

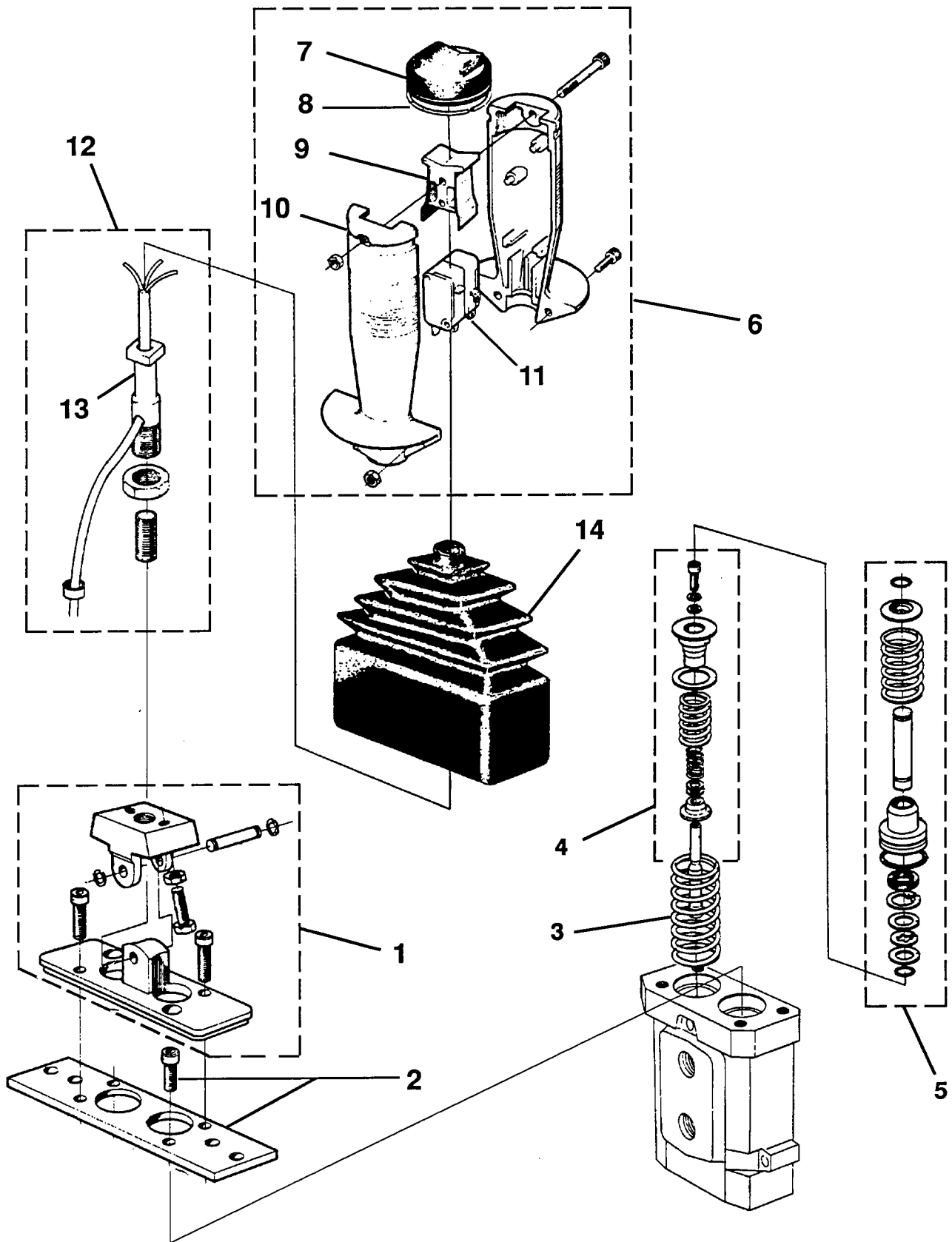
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TITLE	VALVE, DRIVE CONTROLLER
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PLATE NO.	29.05	SIMON AERIALS INC.
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REV. 23 AUG., 1993

PART NO. 01-083400



TITLE

VALVE, DRIVE CONTROLLER

SIMON AERIALS INC.

REV. 23 AUG., 1993

PART
NO.

01-083400

PLATE
NO.

29.05

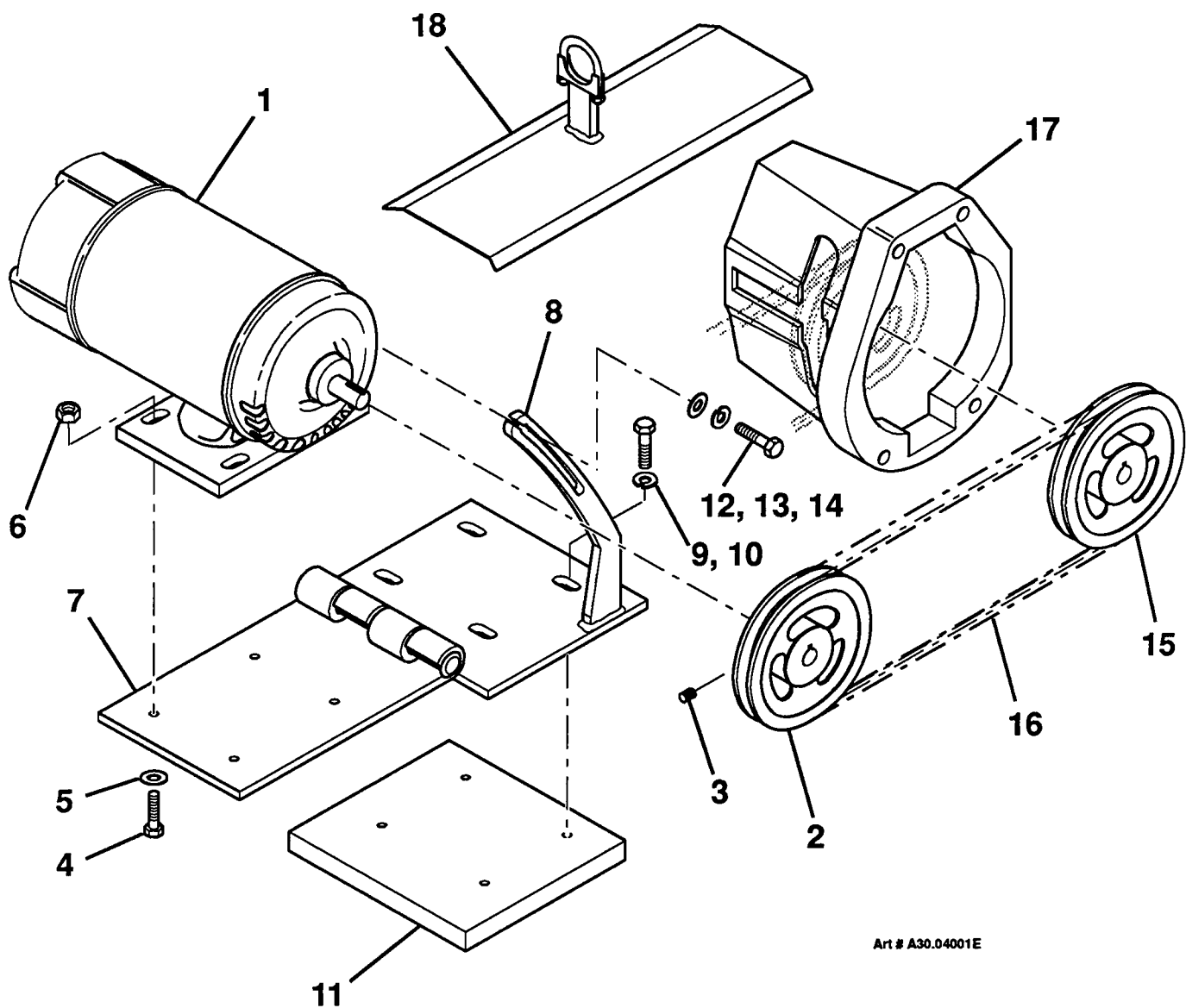
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TITLE	GENERATOR PACKAGE (FOR ONAN T-260 OR P-224 ENGINE)
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PLATE NO.	30.04	SIMON AERIALS INC.
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NEW 10/21/91

PART NO. 3519490



Art # A30.04001E

TITLE GENERATOR PACKAGE (FOR ONAN T-260 OR P-224 ENGINE)

SIMON AERIALS INC.

NEW 10/21/91

PART
NO.

3519490

PLATE
NO.

30.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	DKAT30C		DECAL KIT, CONSTRUCTOR AT 30C (for earlier versions, includes items 2 thru 15)	1
2	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	3
3	10-007600		DECAL, "120 V. A.C., 20 AMP"	1
4	10-013400		DECAL, "500 LBS (226.4 Kg) . . . CAPACITY"	2
5	10-024500		DECAL, "20 AMP CIRCUIT" (Breaker)	1
6	10-018900		DECAL, "BEWARE" (Potential Hazard)	1
7	10-019000		DECAL, "DANGER" (Electrocution Hazard, small)	1
8	10-084900		DECAL, "DANGER" (Electrocution Hazard, large)	2
9	10-012200		DECAL, "CAUTION: For Hydraulic Fluid . . . DTE 15"	1
10	10-015200		DECAL, "HYDRAULIC FLUID LEVEL CHECK . . ."	1
11	10-106500		DECAL, "CAUTION: Unlock hubs . . . hard surface"	1
12	10-083000		DECAL, "SIMON" NAME [4" (102 mm) high, Black]	1
13	10-017200		DECAL, "SIMON" NAME [5" (127 mm) high, Black]	1
14	10-017100		DECAL, "SIMON" NAME [7" (178 mm) high, Black]	2
15	10-109700		DECAL, MODEL NAME "CONSTRUCTOR" (Black) [Angled type, 2-3/4" (70 mm) high, for earlier versions]	1
16	10-103800		DECAL, MODEL "AT 30C" (Black) [Angled type, 2-3/4" (70 mm) high, for earlier versions]	1
17	10-099700		DECAL, GROUND ELECTRICAL BOX	1
18	10-103600		DECAL, GROUND CONTROL VALVES (Labelled "SDD-214690-0" in lower right corner)	1
19	10-099500		DECAL, PLATFORM ELECTRICAL CONTROLS	1
20	10-103700		DECAL, PLATFORM CONTROL VALVES (Labelled "SDD-214681-0" in lower right corner)	1
21	10-092500		DECAL, OPERATING INSTRUCTIONS	1
22	10-066000		PLATE, "PLATFORM LOAD 500 LBS. (200 KG)"	1
23	10-105900		DECAL, "SIMON" NAME [5" (127 mm) high, White]	2
24	10-132600		DECAL, MODEL "CONSTRUCTOR" (Black) [Straight type, 5" (127 mm) high, for later versions]	1
25	10-132700		DECAL, MODEL "AT 30C" (Black) [Straight type, 5" (127 mm) high, for later versions]	1
26			DECAL, STRIPING (Bulk item, order as needed)	
	10-017400		[Black/ Orange/ Black, 3-1/2" (89 mm) wide, for earlier versions]	A.R.
	10-094000		[(4) Orange Stripes, 3-3/4" (95 mm) wide, for later versions]	A.R.
27	10-025100		DECAL, STRIPING CORNER (for earlier versions) [Black/ Orange/ Black, for 3-1/2" (89 mm) wide stripe]	2
28	10-131900		DECAL, SIMON "S" LOGO [Orange/ Gray, 9" (229 mm) wide x 13-1/2" (344 mm) high]	2
29	10-121600		DECAL, "MADE IN U.S.A."	2

TITLE

DECALS, AT30C

PLATE
NO.

99.04

SIMON AERIALS INC.

REV. 29 APR., 1992

PART
NO.

99.04