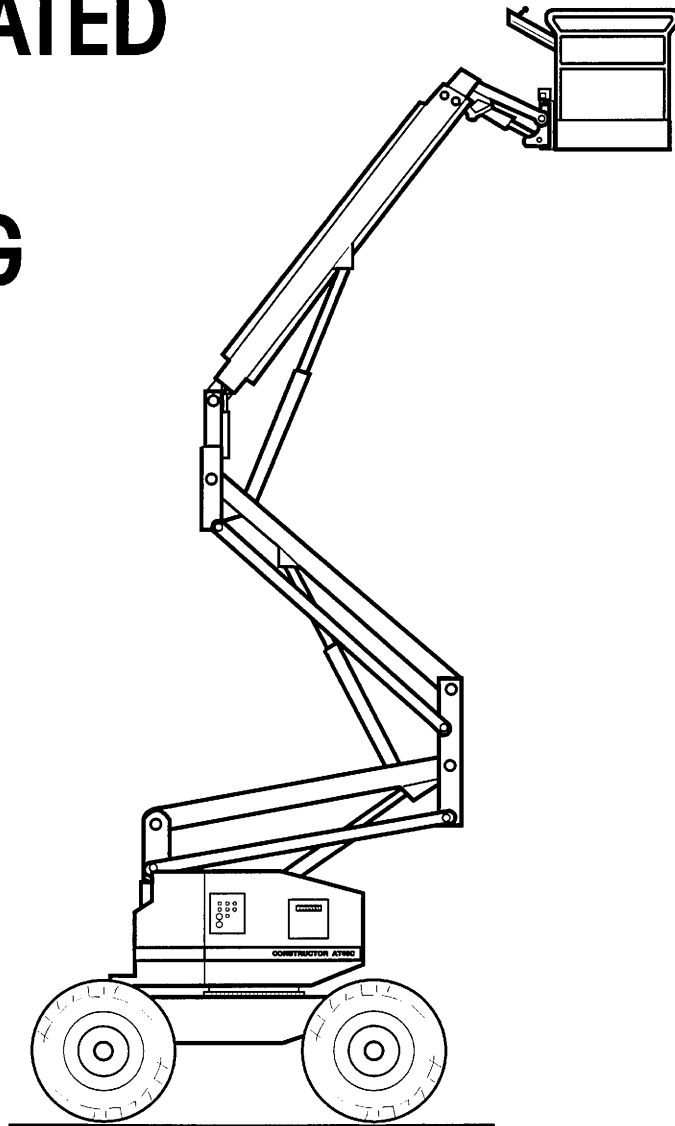


**CONSTRUCTOR
MODEL AT 40C**

S/N Prior to X 5000

**ILLUSTRATED
PARTS
CATALOG**

FOR MACHINE
SERIAL NUMBER



Part No. 89-444005 • Revision "A.6" dated Sep. 1996 •

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INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON AT40C CONSTRUCTOR SELF-PROPELLED AERIAL WORK PLATFORMS with Serial Numbers below 5000. 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 AT40C CONSTRUCTOR machines below S/N 5000 are included in this Catalog.

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

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

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

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

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

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

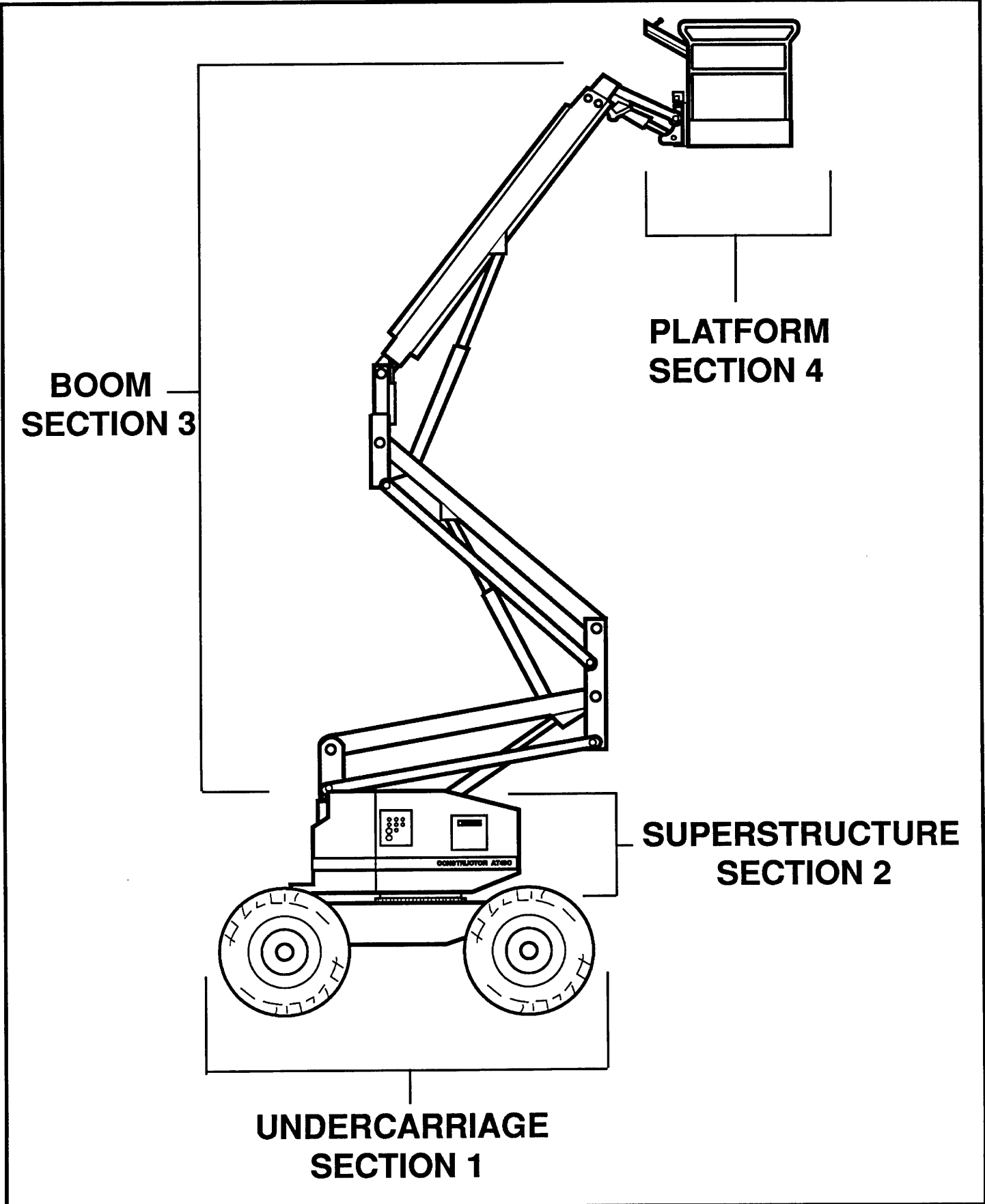
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

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

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



TITLE PRIMARY MACHINE COMPONENT GROUPS			
SIMON AERIALS INC.		PART NO.	PLATE NO.
REV. 23 JAN., 1992			

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-020000	19.04	AXLE ASSEMBLY, REAR (with "Detroit Locker" differential)	1
2	02-019000		AXLE ASSEMBLY, FRONT	1
3	02-017700		TRANSFER CASE	1
4			WHEEL AND TIRE ASSEMBLY, DRIVE	2
	3514000		Air filled	
	3515280		Liquid filled	
	3514780		Foam filled	
5	02-021100		WHEEL, DRIVE	1
6	02-021000		TIRE, 15 x 38.5 - 16.5 LT TUBELESS	1
7			WHEEL AND TIRE ASSEMBLY, STEER AND DRIVE	2
	3513990		Air filled	
	3515290		Liquid filled	
	3514790		Foam filled	
8	02-021900		WHEEL, STEER AND DRIVE	1
9	02-021000		TIRE, 15 x 38.5 - 16.5 LT TUBELESS	1
10	01-088600	26.03	MOTOR, DRIVE	1
			(supercedes Motor # 01-079400. Ref. Kit # 3515830)	
	01-079400	26.01	MOTOR, DRIVE	1
			(obsolete; superceded by Motor # 01-088600)	
11	02-025300	22.06	SPEED REDUCER, WITH BRAKE	1
			(supercedes Brake # 01-079600 and Gear Reducer # 01-079900. Ref. Kit # 3515830)	
	01-079600	22.01	BRAKE	1
			(obsolete; superceded by Reducer/ Brake # 02-025300)	
12	01-079900	22.02	GEAR REDUCER	1
			(obsolete; superceded by Reducer/ Brake # 02-025300)	
13	02-021800	20.01	DRIVE SHAFT, FRONT	1
14	02-021700	20.02	DRIVE SHAFT, REAR (Type 1, for units without "Detroit Locker" axle, and without Tow Package.)	1
			Shaft mounts to axle with U-bolts .	
	02-026000	20.04	DRIVE SHAFT, REAR (Type 2, for units with "Detroit Locker" axle, but without Tow Package.)	1
			Shaft mounts to axle with clamps and bolts .	
	213 6450	20.10	DRIVE SHAFT, REAR (for units with Tow Package)	1
15	04-027400	11.01	CYLINDER, STEER (Type 1)	1
	04-028100	11.02	CYLINDER, STEER (Type 2)	1
16	01-082100		VALVE, RELIEF	1
17			SEAL KIT, RELIEF VALVE	

TITLE UNDERCARRIAGE ASSEMBLY, AT40C (PRIOR TO S/N 5000) (PLATE 1 OF 2)

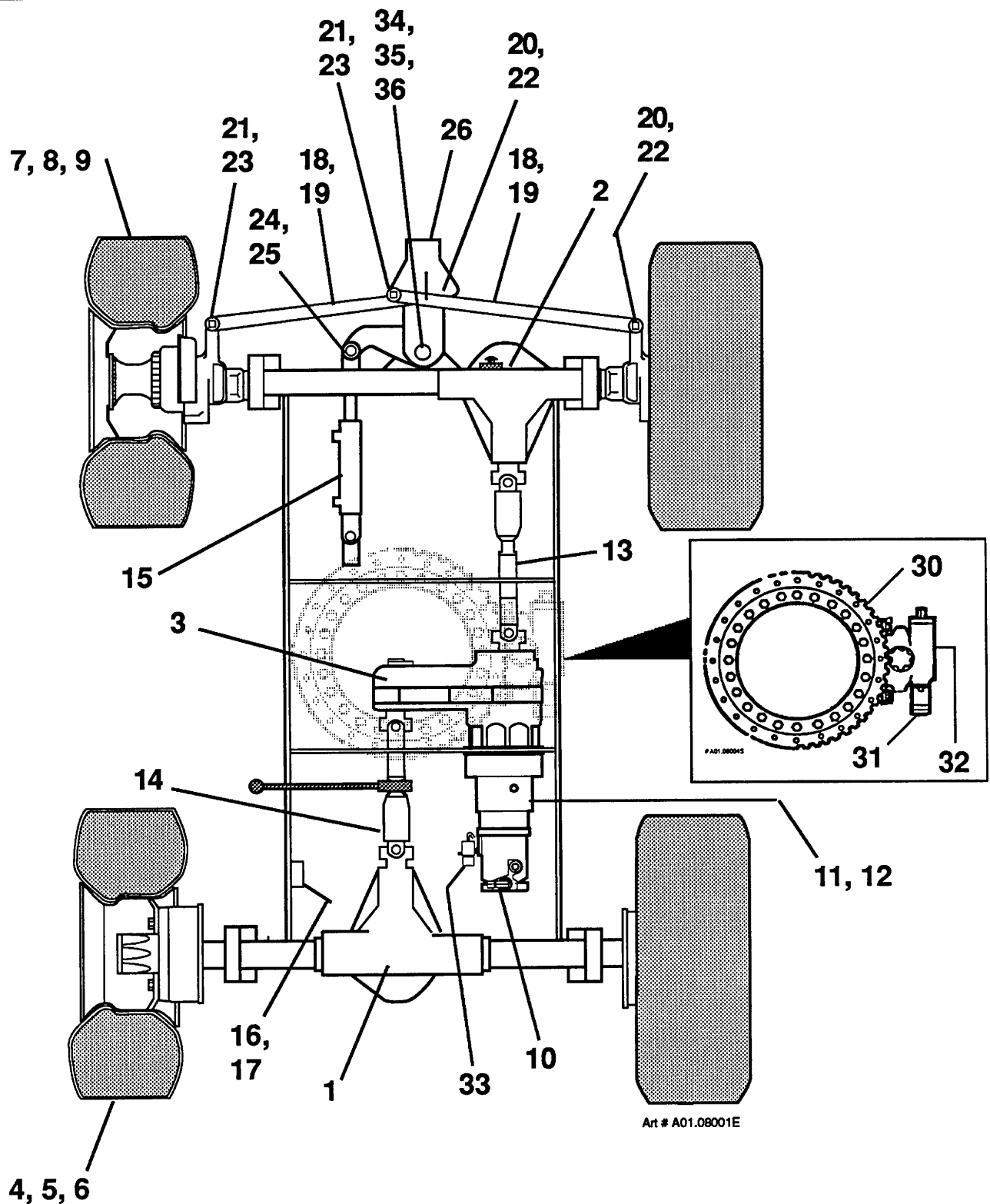
PLATE NO.

01.08

SIMON AERIALS INC.

REV. 15 JAN., 1992

PART NO.



NOTE: WAS PLATE 1.0 IN SOME EARLIER CATALOGS

TITLE UNDERCARRIAGE ASSEMBLY, AT40C (PRIOR TO S/N 5000) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 15 JAN., 1992

PART
NO.

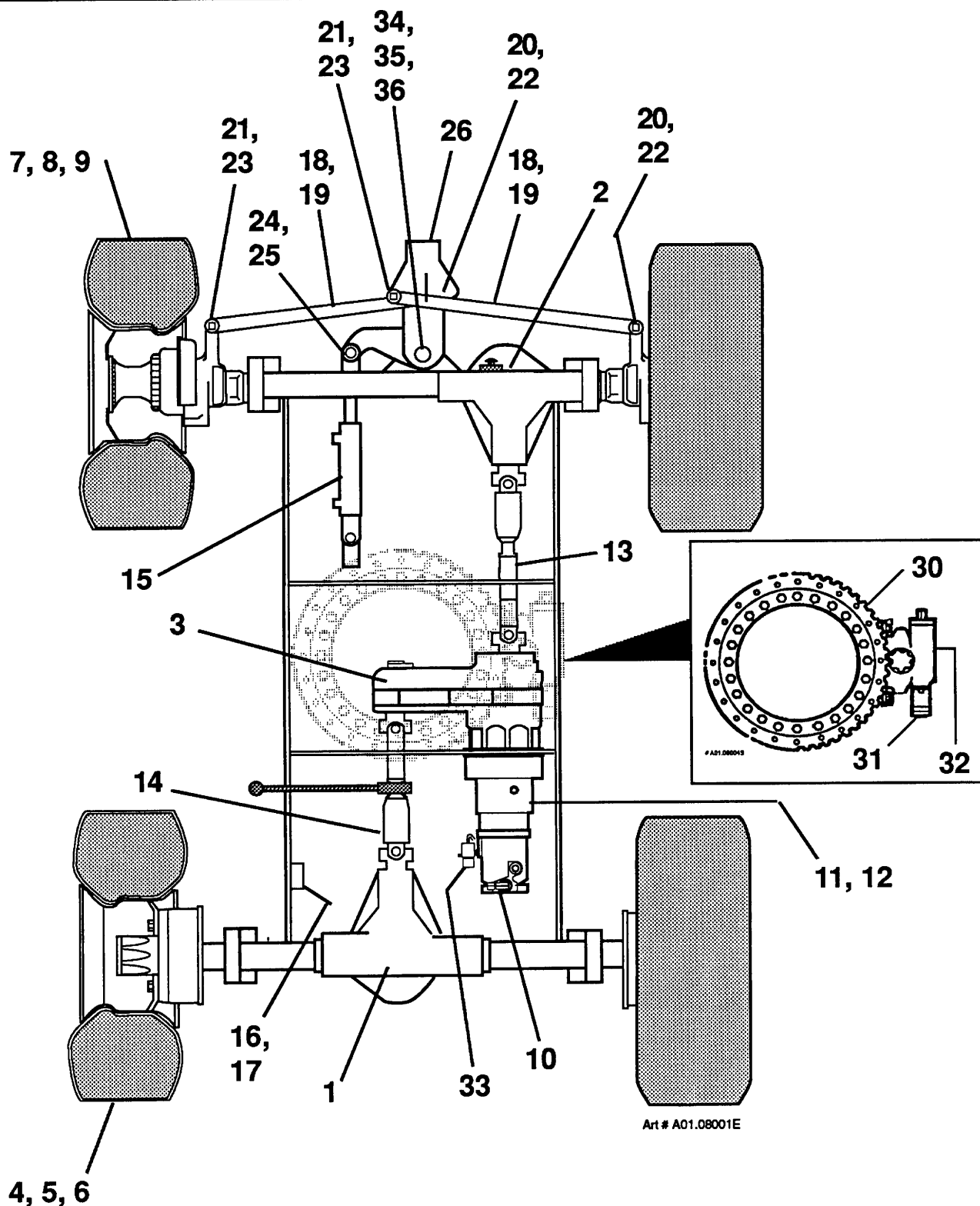
PLATE
NO.

01.08

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TITLE UNDERCARRIAGE ASSEMBLY, AT40C (PRIOR TO S/N 5000) (PLATE 2 OF 2)			
PLATE NO.	01.08	SIMON AERIALS INC. REV. 15 JAN., 1992	PART NO.

PART
NO.



NOTE: WAS PLATE 1.0 IN SOME EARLIER CATALOGS

TITLE UNDERCARRIAGE ASSEMBLY, AT40C (PRIOR TO S/N 5000) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 15 JAN., 1992

PART
NO.

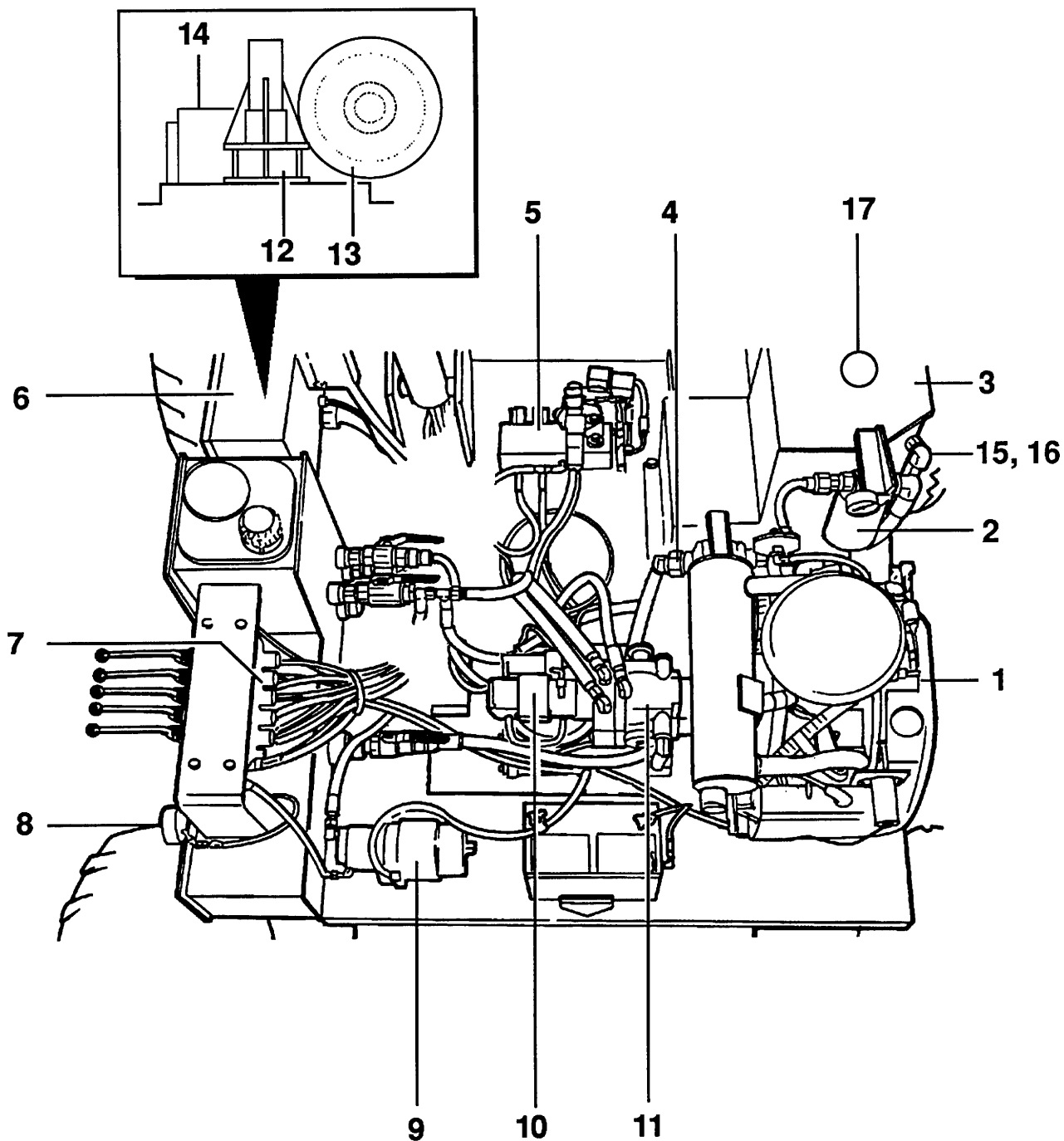
PLATE
NO.

01.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE ASSEMBLY (with Block Heater)	
		8.4	ONAN GAS/ DUAL FUEL	1
		8.5	PERKINS DIESEL	1
		8.6	LOMBARDINI DIESEL	1
2	01-074900		FILTER ASSEMBLY, HYDRAULIC	1
	01-074901		ELEMENT, FILTER	1
3	10-093100		TANK, FUEL	1
4	01-082000		FILTER, SUCTION	1
	01-082001		ELEMENT, FILTER	1
5		23.1	MANIFOLD	1
6		7.9	GROUND CONTROL BOX	1
7		6.11	VALVE BANK, GROUND	1
8	01-021000		GAUGE, PRESSURE	1
9	01-027200		PUMP, EMERGENCY	1
10	01-080300		PUMP, HYDRAULIC TANDEM	1
11	01-079300	12.8	PUMP, HYDRAULIC	1
12	03-038100		ALARM, TILT *	1
13	03-036100		HORN *	1
14	03-038300		ALARM, MOVEMENT *	1
15			SIGHT TUBE, FUEL	1
16			90° ELBOW	1
17	10-080900		CAP, FUEL FILLER	1
			* Note: Items 12, 13, and 14 are located under the ground control box	
			Note: was plate 2.0 in some earlier catalogs.	
TITLE SUPERSTRUCTURE, AT 40 C				
PLATE NO.	02.08	SIMON AERIALS INC.		PART NO.
		REV. 22 JAN., 1992		

LOCATED UNDER GROUND
CONTROL BOX



TITLE

SUPERSTRUCTURE, AT 40 C

SIMON AERIALS INC.

REV. 22 JAN., 1992

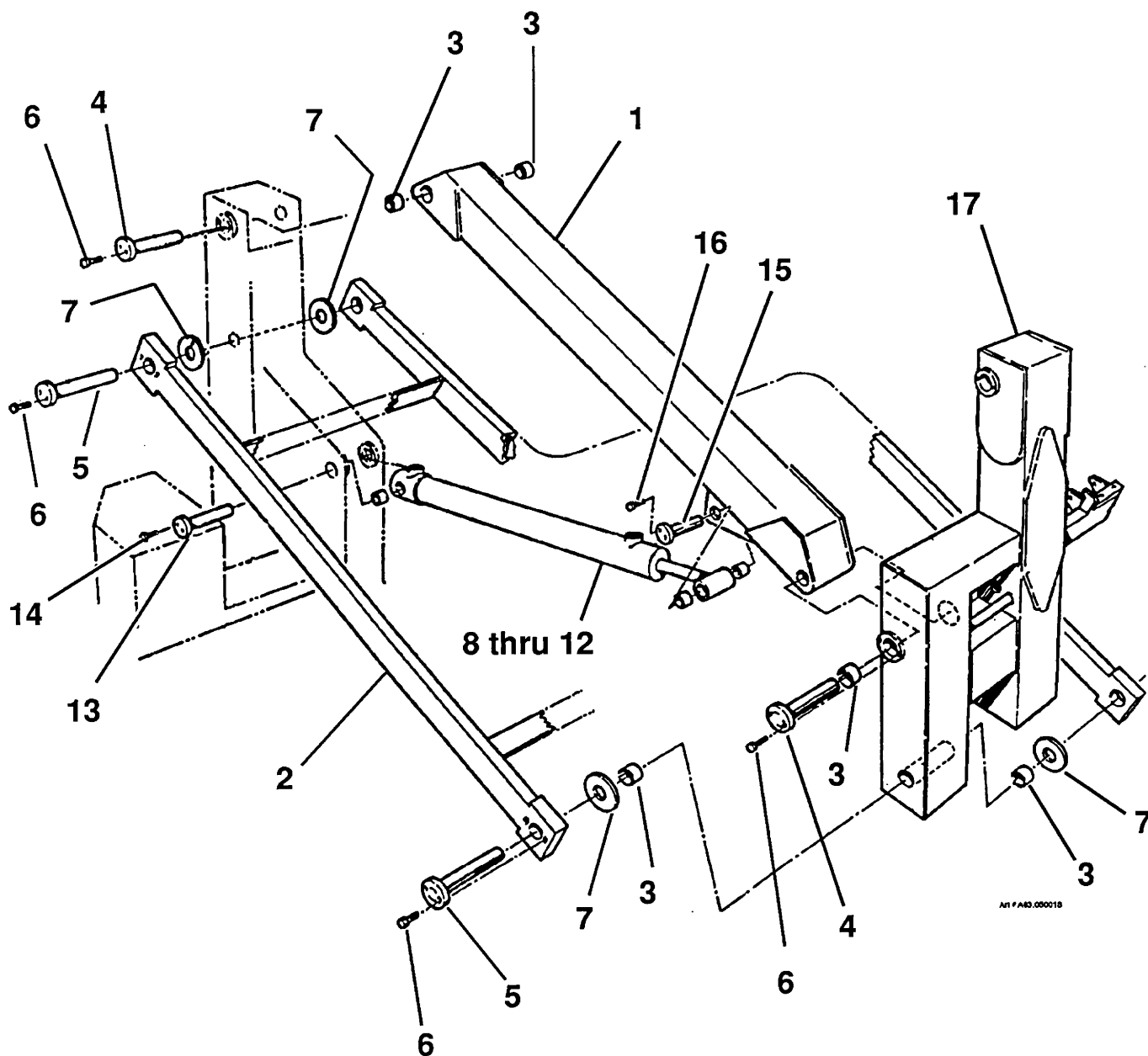
PART
NO.

PLATE
NO.

02.08

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PLATE NO.	03.05	SIMON AERIALS INC.	REV. 01 SEP., 1993	PART NO.
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TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (LOWER BOOM, PL. 1 OF 4)

SIMON AERIALS INC.

REV. 01 SEP., 1993

PART
NO.

PLATE
NO.

03.05

PARTS LIST

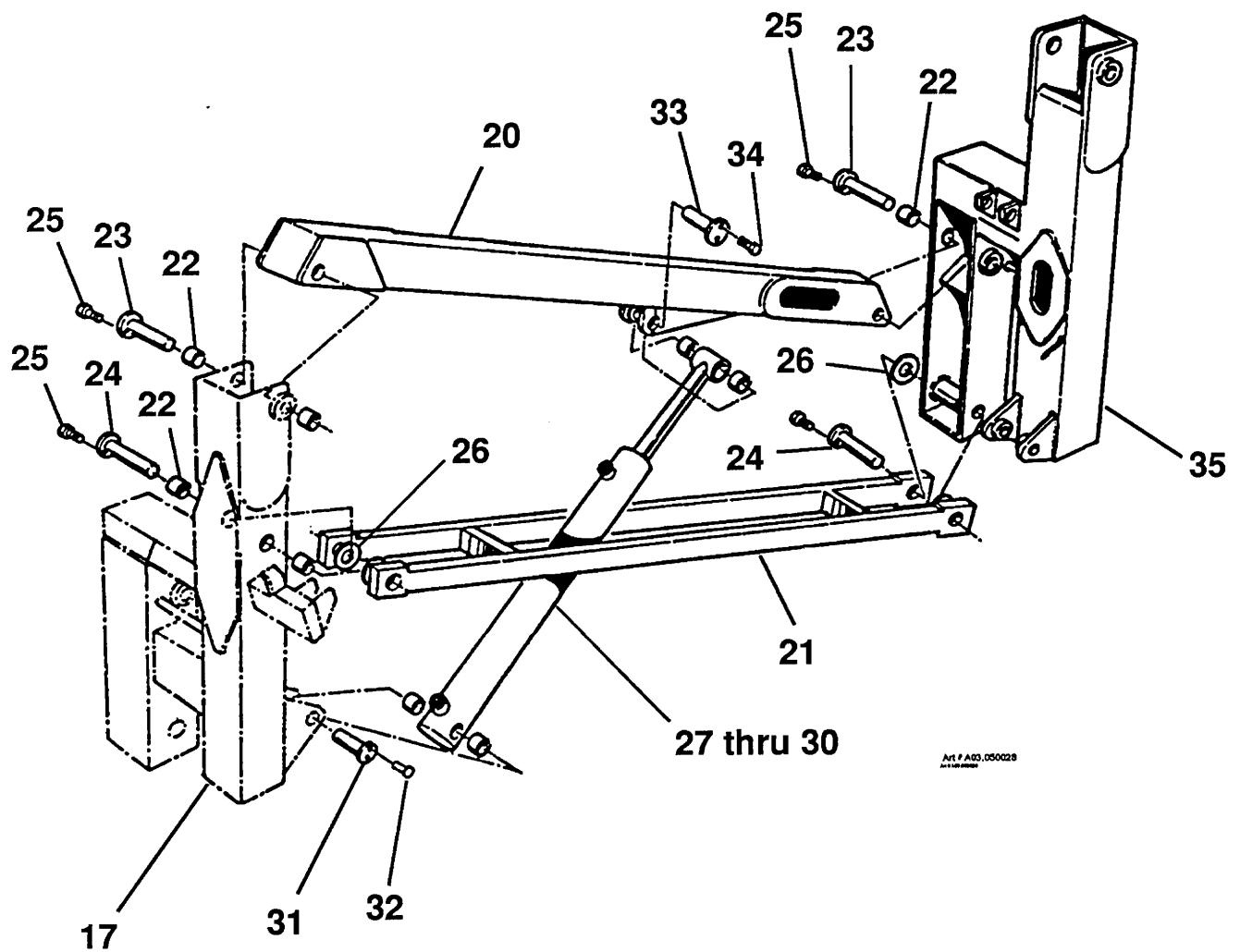
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TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (MIDDLE BOOM, PL. 2 OF 4)

PLATE NO.	03.05	SIMON AERIALS INC.
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REV. 01 SEP., 1993

PART
NO.



TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (MIDDLE BOOM, PL. 2 OF 4)

SIMON AERIALS INC.

REV. 01 SEP., 1993

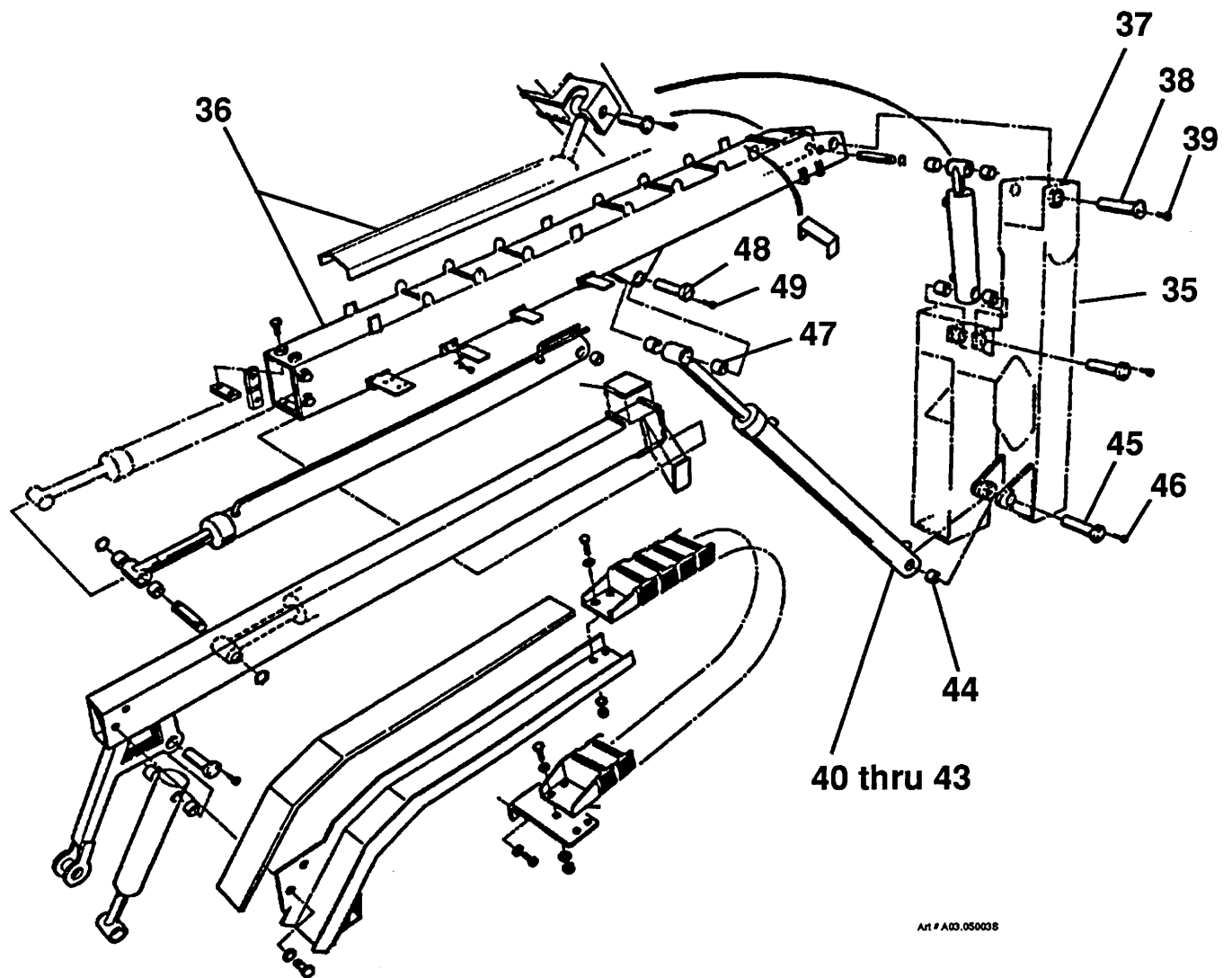
PART
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PLATE
NO.

03.05

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PLATE NO.	03.05	SIMON AERIALS INC.	REV. 01 SEP., 1993	PART NO.
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Alt # A03.050038

TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (UPPER BOOM, PL. 3 OF 4)

SIMON AERIALS INC.

REV. 01 SEP., 1993

PART
NO.

PLATE
NO.

03.05

PARTS LIST

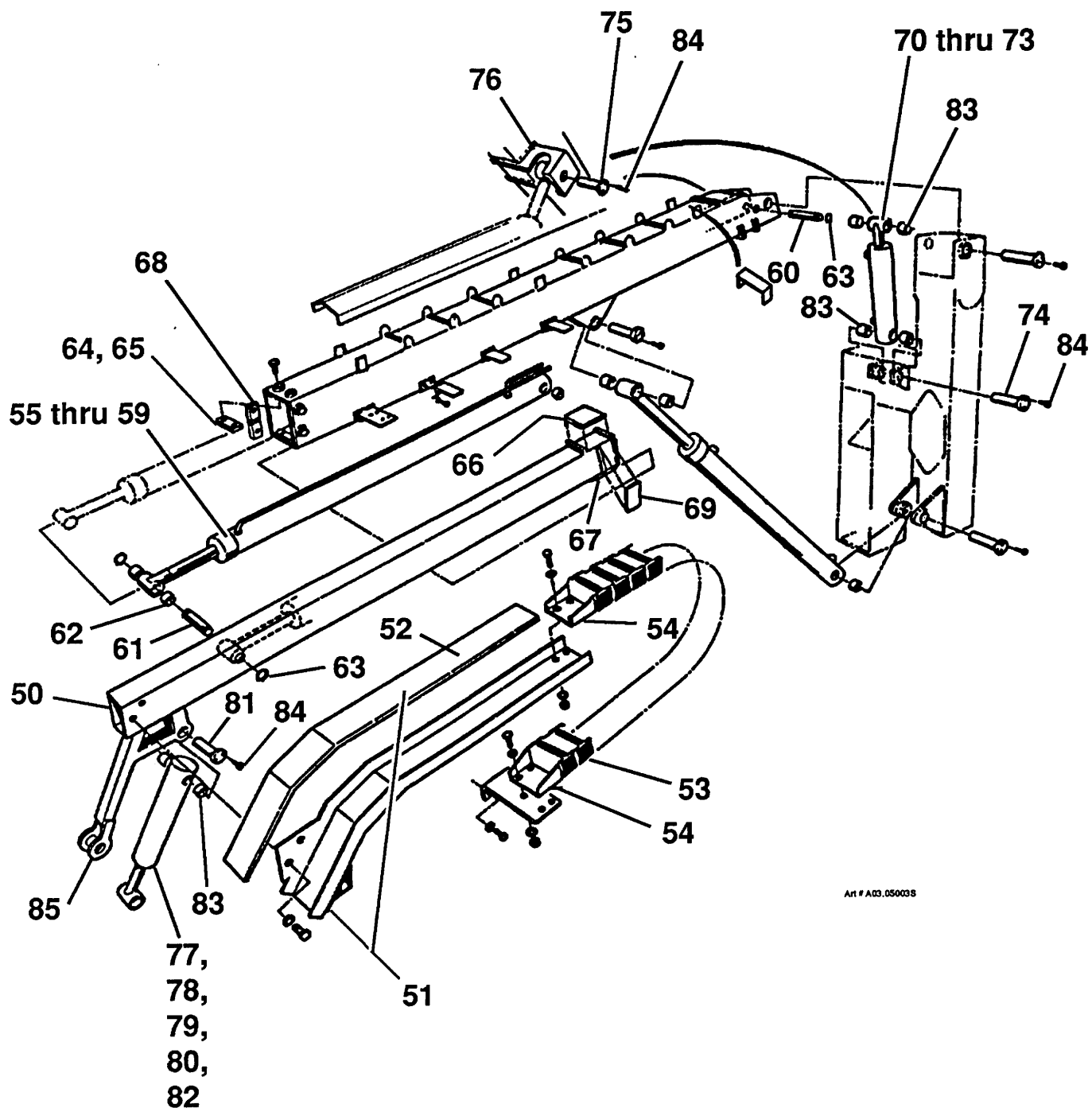
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50			BOOM WELDMENT, UPPER TIP	1
51	10-092900		ANCHOR, MOVING (includes cover)	1
52	10-092901		COVER, MOVING ANCHOR	1
53	08-063500		CARRIER, HOSE	1
54	08-063502		FOOT, HOSE CARRIER (set of two)	2
55	04-027200		CYLINDER, TELESCOPE	1
56	04-027202		SEAL KIT, TELESCOPE CYLINDER	1
57	04-027203		SEAL, WIPER	1
58	04-027204		RING, BACKUP	1
59	04-027201		CARTRIDGE, TELESCOPE CYLINDER HOLDING VALVE	2
60	10-083900		PIN, TELESCOPE CYLINDER (Case end)	1
61	10-081700		PIN, TELESCOPE CYLINDER (Rod end)	1
62	08-064900		BUSHING	4
63			RING, RETAINING	4
64	10-100300		PAD, UPPER WEAR (upper end of base boom)	2
65	10-100700		PAD, LOWER WEAR (upper end of base boom)	2
66	10-100400		PAD, UPPER WEAR (lower end of tip boom)	2
67	10-100600		PAD, LOWER WEAR (lower end of tip boom)	2
68	10-100200		PAD, SIDE WEAR (upper end of base boom)	2
69	10-100500		PAD, SIDE WEAR (lower end of tip boom)	2
70	04-027000		CYLINDER, MASTER LEVELING	1
71	04-026801		SEAL KIT, LEVELING CYLINDER	1
72	01-067601		VALVE, LEVELING (Solenoid operated)	1
73	01-069600		CARTRIDGE, LEVELING VALVE	1
74	10-100000		PIN, HEADED (Master cylinder, case end)	1
75	10-082200		PIN, HEADED (Master cylinder, rod end)	1
76	10-103200		BRACKET, MASTER CYLINDER	1
77	04-027100		CYLINDER, SLAVE LEVELING	1
78	04-026801		SEAL KIT, LEVELING CYLINDER	1
79	01-069500		VALVE, HOLDING (Slave cylinder)	1
80	01-067500		CHECK VALVE, PILOT OPERATED (Slave cylinder)	1
81	10-100000		PIN, HEADED (Slave cylinder, case end)	1
82	10-082500		PIN, HEADED (Slave cylinder, rod end)	1
83	08-044700		BUSHING	8
84			SCREW	8
85	08-059100		BUSHING	2

TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (UPPER BOOM, PL. 4 OF 4)

PLATE NO. 03.05 **SIMON AERIALS INC.**

REV. 01 SEP., 1993

PART NO.



TITLE BOOM ASSEMBLY, AT40C (S/N UNDER 5000) (UPPER BOOM, PL. 4 OF 4)

SIMON AERIALS INC.

REV. 01 SEP., 1993

PART
NO.

PLATE
NO.

03.05

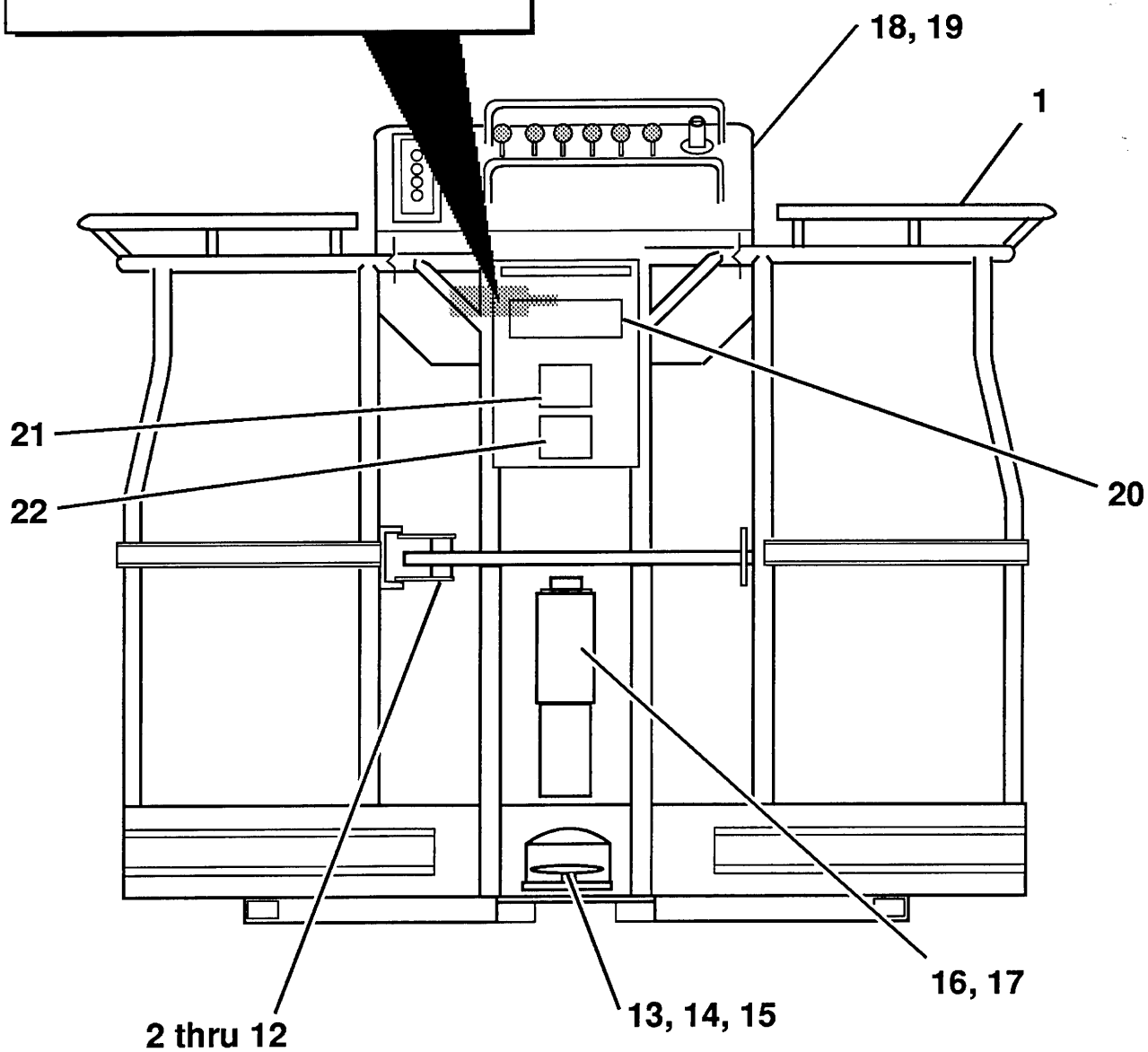
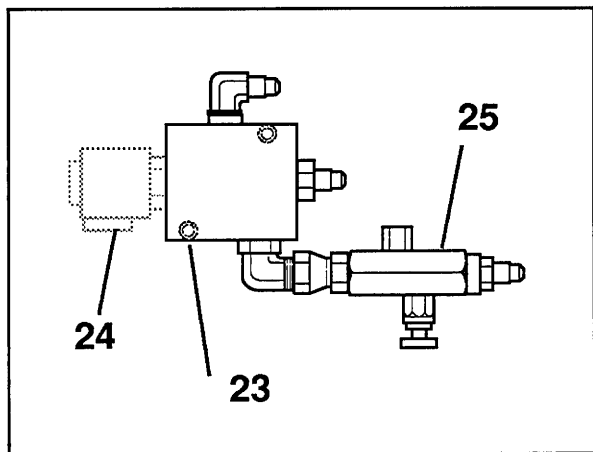
PARTS LIST

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Note: was plate 4.0 in some earlier catalogs.

PLATFORM ASSEMBLY

**PART
NO.**



TITLE

PLATFORM ASSEMBLY

SIMON AERIALS INC.

REV. 02 SEP., 1993

PART
NO.

PLATE
NO.

04.05

PARTS LIST

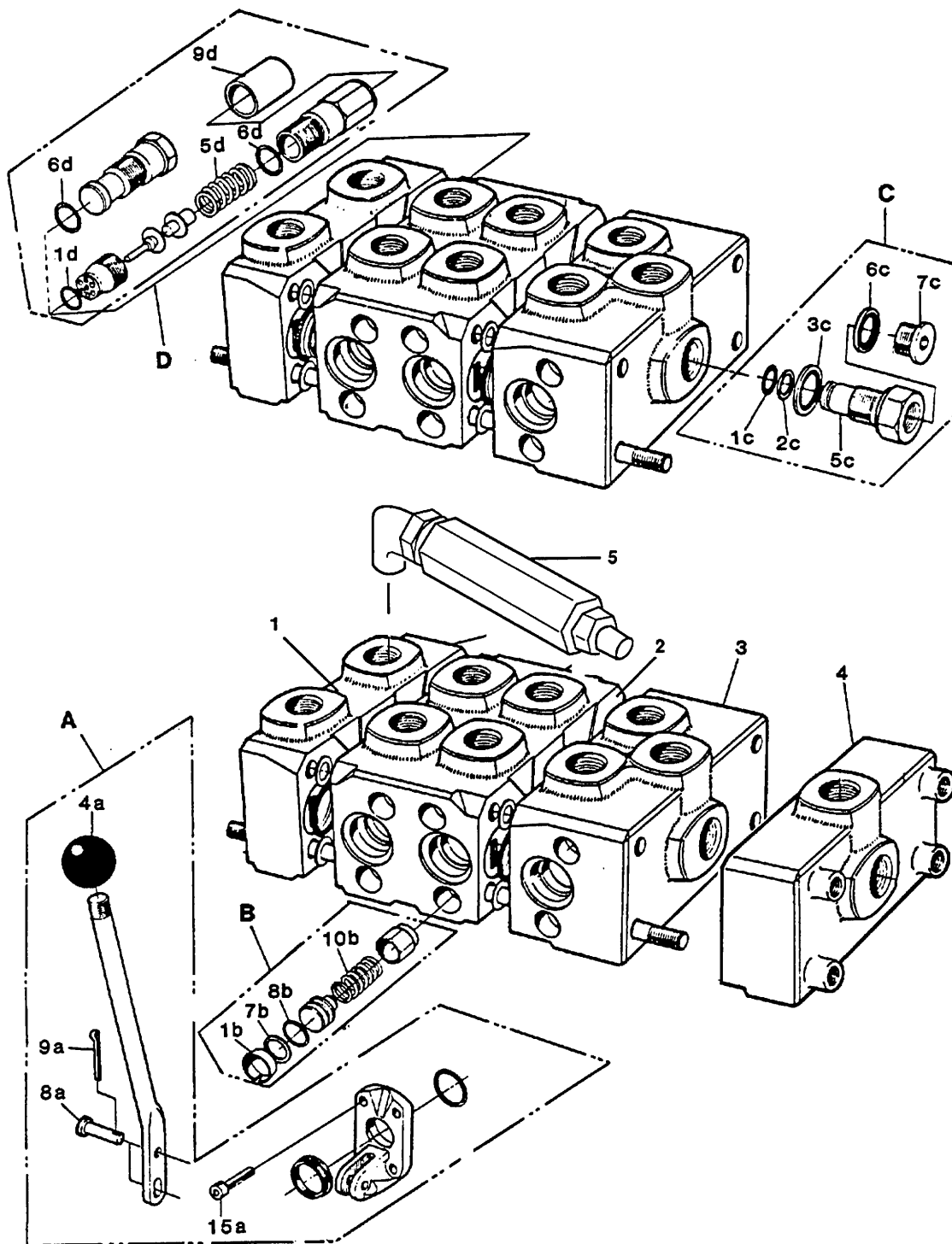
ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
	01-072700 01-072900		VALVE BANK ASSY'S - COMPLETE (NOT SHOWN) VALVE BANK, CAB CONTROLS VALVE BANK, GROUND CONTROLS	
1			INLET SECTION	1
2			VALVE SECTION-TELESCOPE, SWING	1
			VALVE SECTION - LOWER, UPPER, MIDDLE BOOM	1
			VALVE SECTION-UPPER BOOM LEVEL	1
3			VALVE / OUTLET SECTION UPPER BOOM	1
4			OUTLET SECTION	1
5	01-020800		POPPET CHECK VALVE	1
A	01-072701		HAND LEVER ASSEMBLY	
4A	01-072702		BALL	1
8A			BOLT	1
9A			COTTER PIN	1
15A			SCREW	2
B	01-072704		CHECK VALVE ASSEMBLY	
1B			PROTECTIVE CAP	1
7B			BACK-UP RING	1
8B			O-RING	1
10B			SPRING	1
C	01-072708		*TANK PORT CONN. ASSY. - SERIES	
C	01-072711		^TANK PORT CONN. ASSY. - BLOCKING	
*^1C			O-RING	1
*^2C			BACK-UP RING	1
*^3C			SEALING	1
^6C			SEALING RING	1
^7C			PLUG	1
D	01-072703		MAIN RELIEF VALVE ASSEMBLY	
1D			O-RING	1
5D			SPRING	1
6D			O-RING	2
9D			SEAL CAP	1
NOTE: WAS PLATE 4.20 IN SOME EARLIER CATALOGS.				

TITLE GROUND/ PLATFORM VALVE BANK ASSEMBLY (PLATE 1 OF 2)

PLATE NO. 6.11 **SIMON AERIALS INC.**

REV. 01/02/90

PART NO.



TITLE GROUND/ PLATFORM VALVE BANK ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 01/02/90

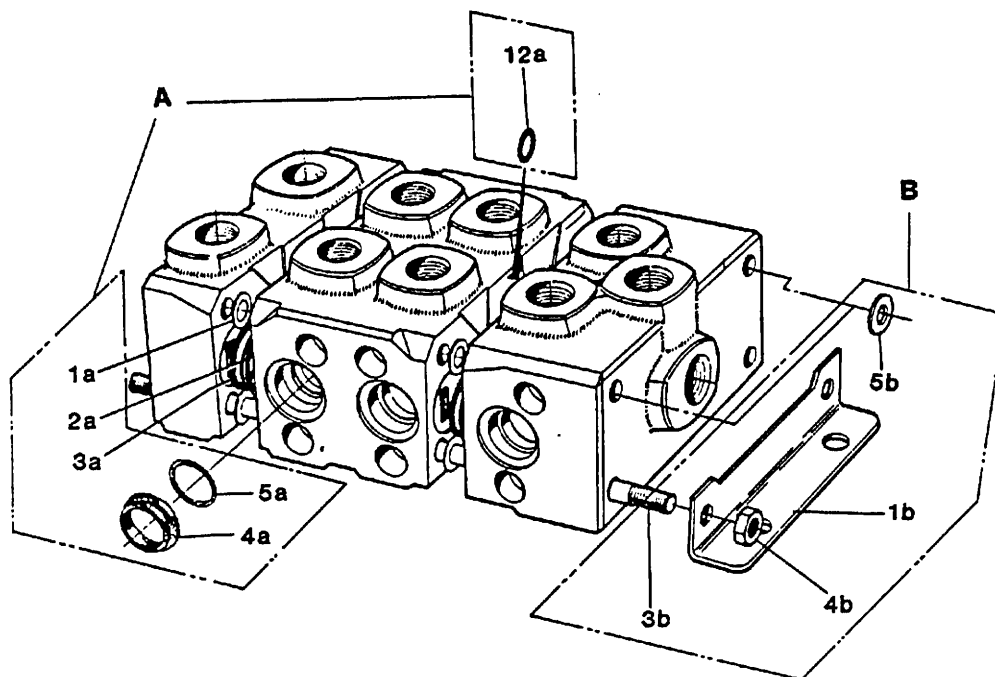
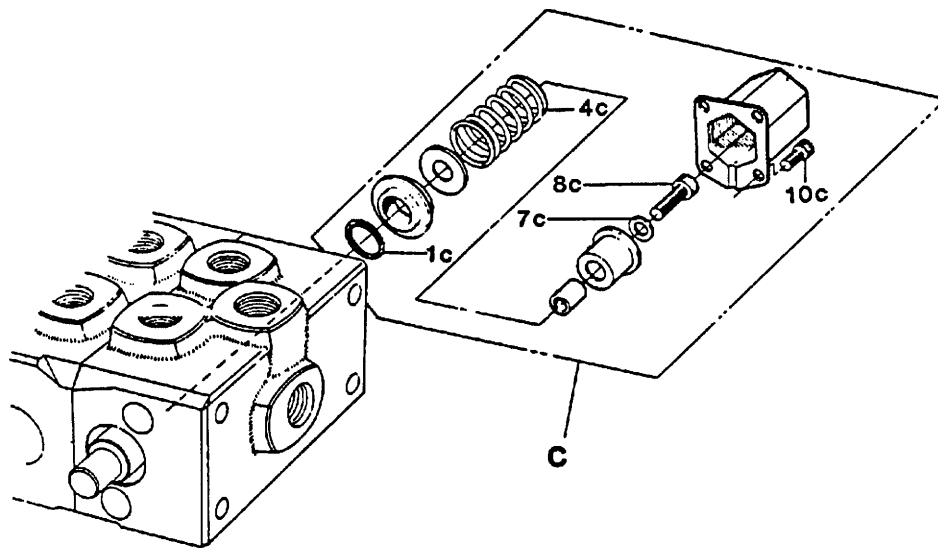
PART
NO.

PLATE
NO. 6.11

PARTS LIST				
ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
A	01-072709		SEAL KIT	1
1A			SPACER RING	
2A			O-RING	
3A			BACK-UP RING	
4A			SEAL	
5A			O-RING	
12A			O-RING	
B	01-072705		TIE ROD KIT - 4 SECTION	1
B	01-072706		TIE ROD KIT - 5 & 6 SECTION	1
1B			MOUNTING PLATE	1
3B			TIE ROD	4
4B			NUT	8
5B			WASHER	8
C	01-072710		SPRING & CAP ASSEMBLY	1
1C			O-RING	1
4C			SPRING	1
7C			WASHER	1
8C			SCREW	1
10C			SCREW	4
NOTE: WAS PLATE 4.21 IN SOME EARLIER CATALOGS.				
TITLE GROUND/ PLATFORM VALVE BANK ASSEMBLY (PLATE 2 OF 2)				
PLATE NO.	6.11	SIMON AERIALS INC.		PART NO.
				REV. 01/02/90

TITLE	GROUND/ PLATFORM VALVE BANK ASSEMBLY (PLATE 2 OF 2)
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PART
NO.



TITLE GROUND/ PLATFORM VALVE BANK ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

PLATE
NO. 6.11

PARTS LIST

[illegible]

TITLE

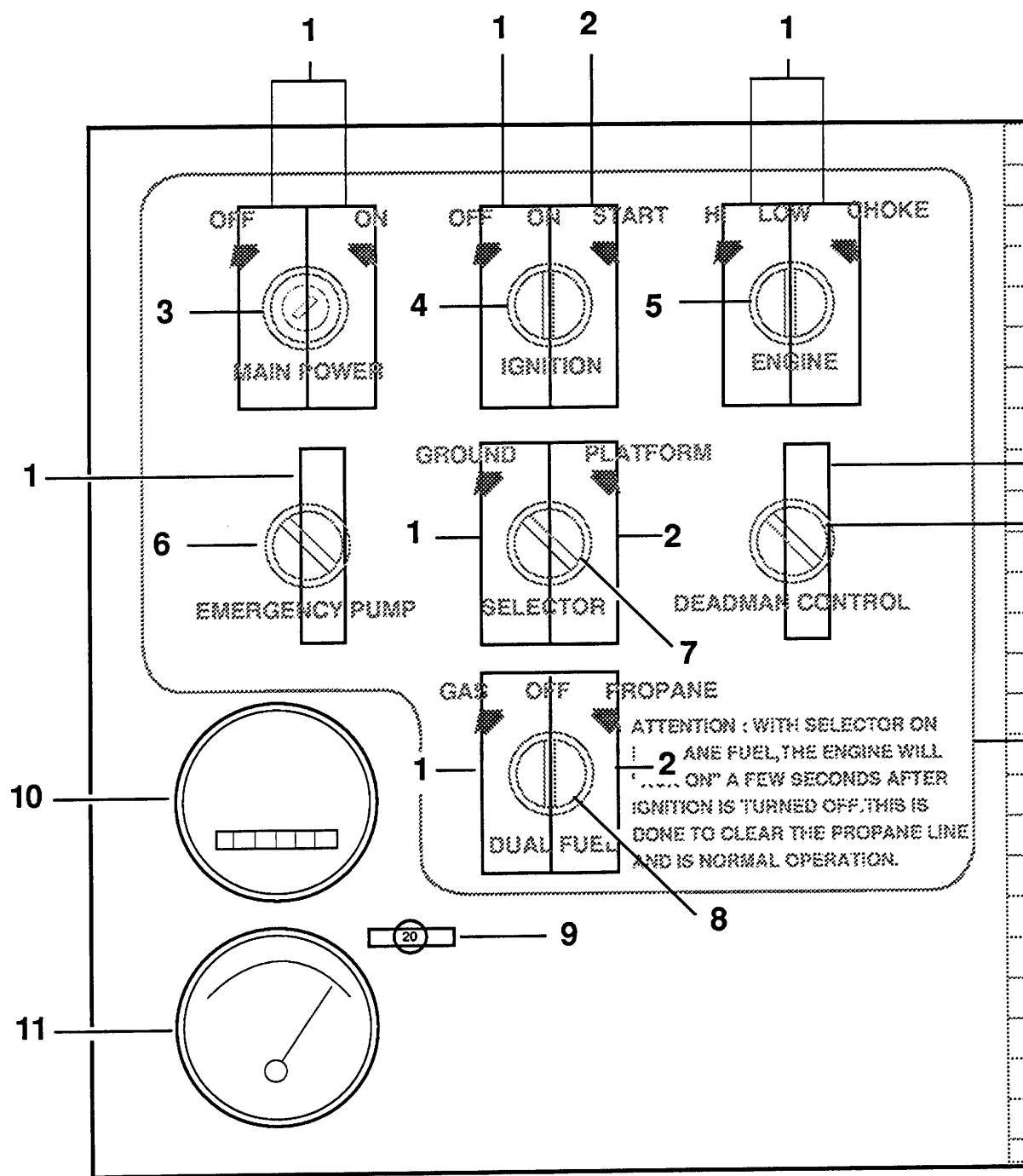
GROUND CONTROL BOX (COVER)

PLATE NO. 7.9

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.



TITLE

GROUND CONTROL BOX (COVER)

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

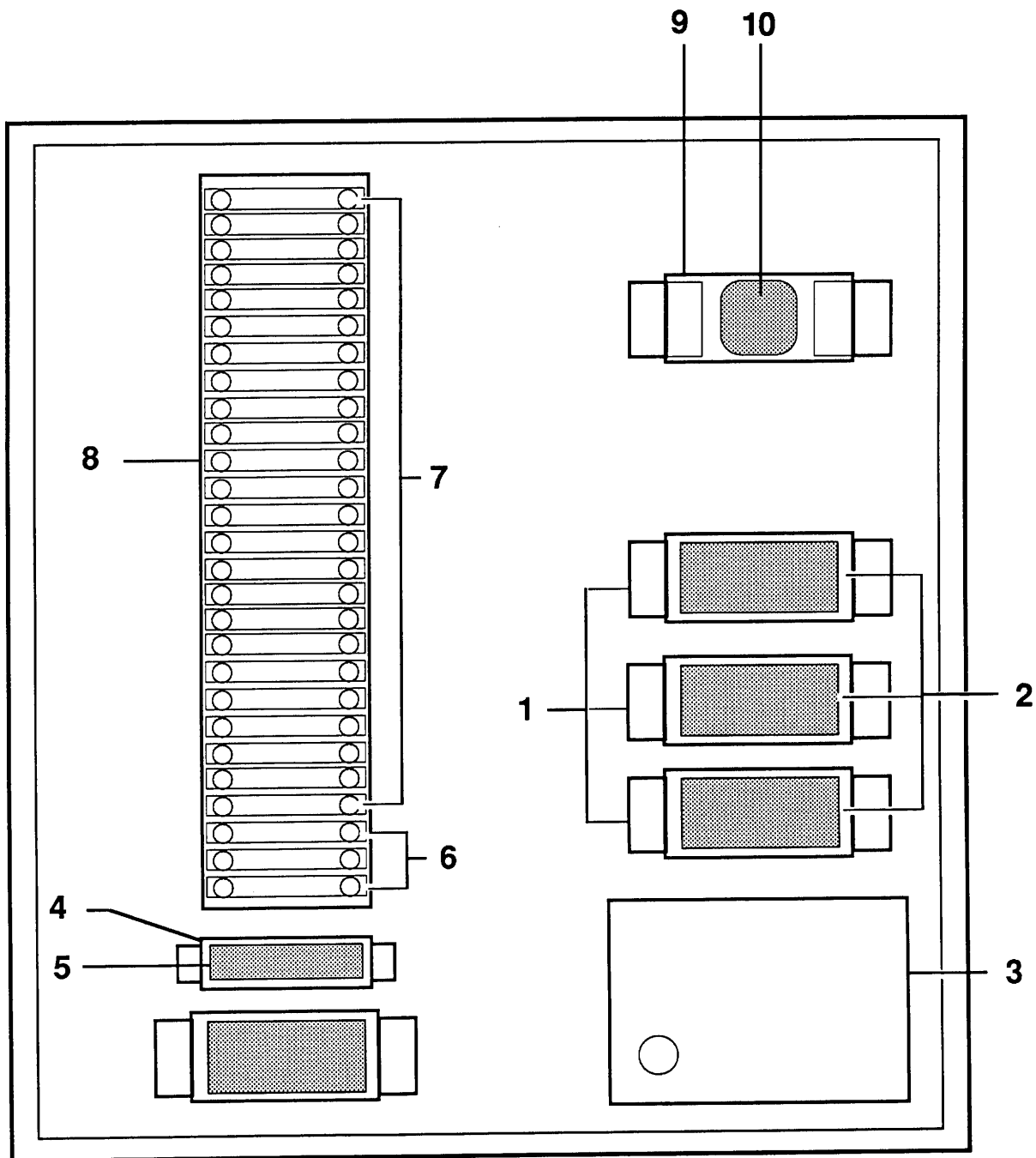
PL.
NC

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TITLE	GROUND CONTROL BOX (INSIDE)
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GROUND CONTROL BOX (INSIDE)

PART
NO.



TITLE

GROUND CONTROL BOX (INSIDE)

SIMON AERIALS INC.

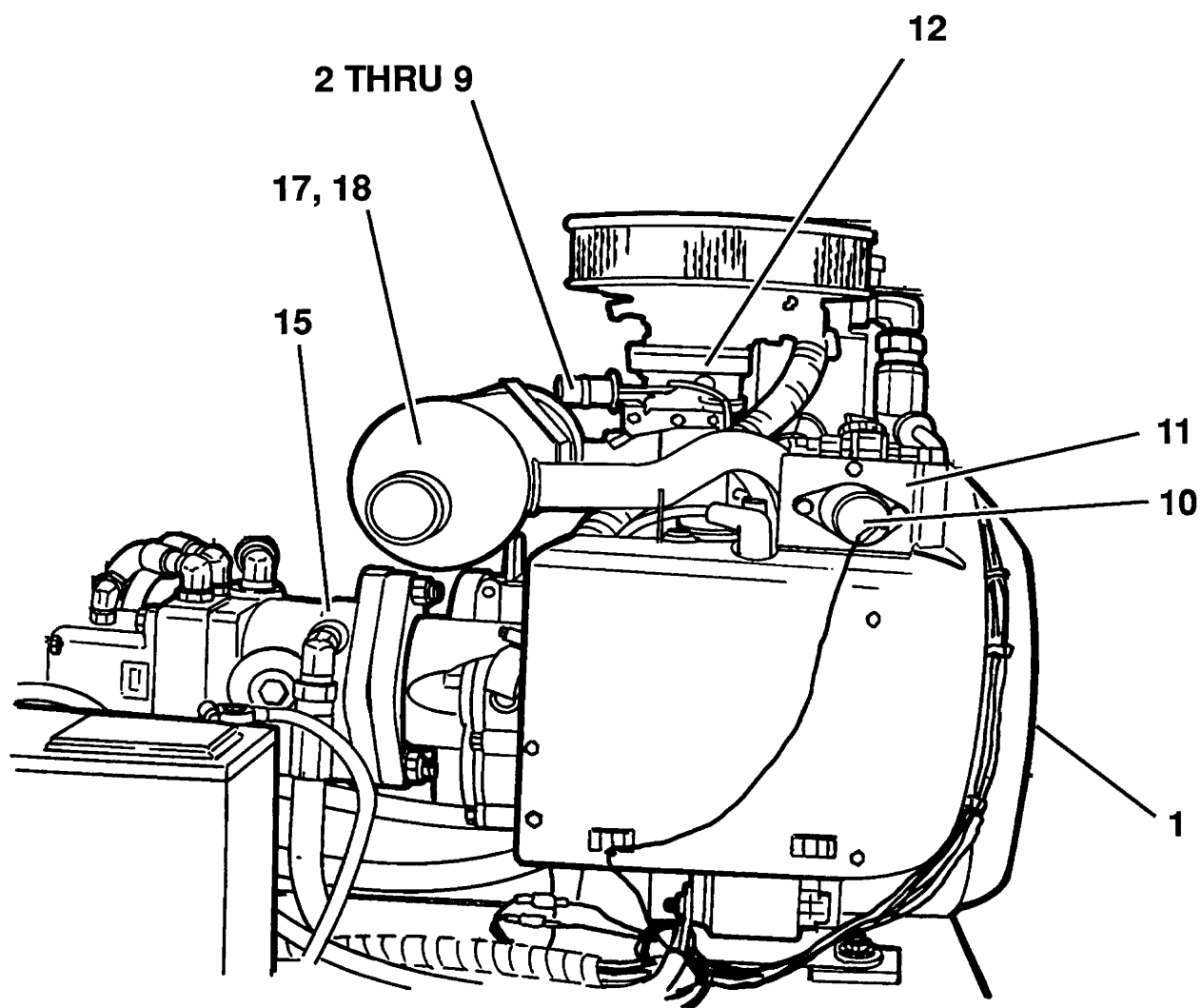
REV. 01/02/90

PART
NO.

PLATE
NO. 7.11

[illegible]

TITLE		ENGINE, ONAN GAS/ DUAL FUEL	
PLATE NO.	08.04	SIMON AERIALS INC. REV. 07 SEP., 1993	PART NO.



TITLE

ENGINE, ONAN GAS/ DUAL FUEL

SIMON AERIALS INC.

REV. 07 SEP., 1993

PART
NO.

PLATE
NO.

08.04

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	09-025000		ELBOW, EXHAUST	1
6			TUBING, FLEX	1
7	09-001001		MUFFLER, ENGINE EXHAUST	1
8	10-003800		CAP, RAIN [2" (50.8 mm) dia.]	1
9	03-051300		RELAY (Single pole, single throw) (Choke solenoid) (Not shown. Mounted on far side of engine.)	1
10	03-414500		SOLENOID, THROTTLE (Not shown. Mounted on far side of engine.)	1
11	2134790		BRACKET, AIR FILTER	1
12	2141490		COUPLING, ENGINE TO PUMP (modified 02-022300) (Size 8, Model 3 Hytrel)	1
13	3514650	12.08	PUMP ASSEMBLY, HYDRAULIC	1
14	09-001800		MOUNT, ENGINE (Not shown)	4
			The following items WERE NOT part of the original Engine Assembly, but may have been installed later:	
15	55-000050		COOLING KIT, ENGINE (for Perkins 3.10 engine with fan mounted to crankshaft) (not shown)	1
16	09-033811		FAN, 7 BLADE (Suction type, replaces Perkins part)	1
17	2163350		ADAPTER, RADIATOR FAN [2" (50.8 mm) thick]	1
18	2170090		SPACER, FAN [1/2" (12.7 mm) thick]	1
19	09-033813		SHROUD, FAN (replaces Perkins component)	1
20	2170050		BRACKET, RADIATOR MOUNTING (Bottom, offset)	1
21	09-033812		ISOLATOR (Perkins part)	2
22	07-039005		NUT, HEX (M8-1.25)	2
23	07-066005		WASHER, LOCK (8mm)	2
24	09-033815		PULLEY, CRANKSHAFT	1
25	09-033817		WASHER, FLAT	1
26	09-033818		WASHER, LOCK	1
27	09-033816		NUT	1
			NOTE: WAS PLATE 2.21 IN SOME EARLIER CATALOGS.	

TITLE

ENGINE, PERKINS DIESEL

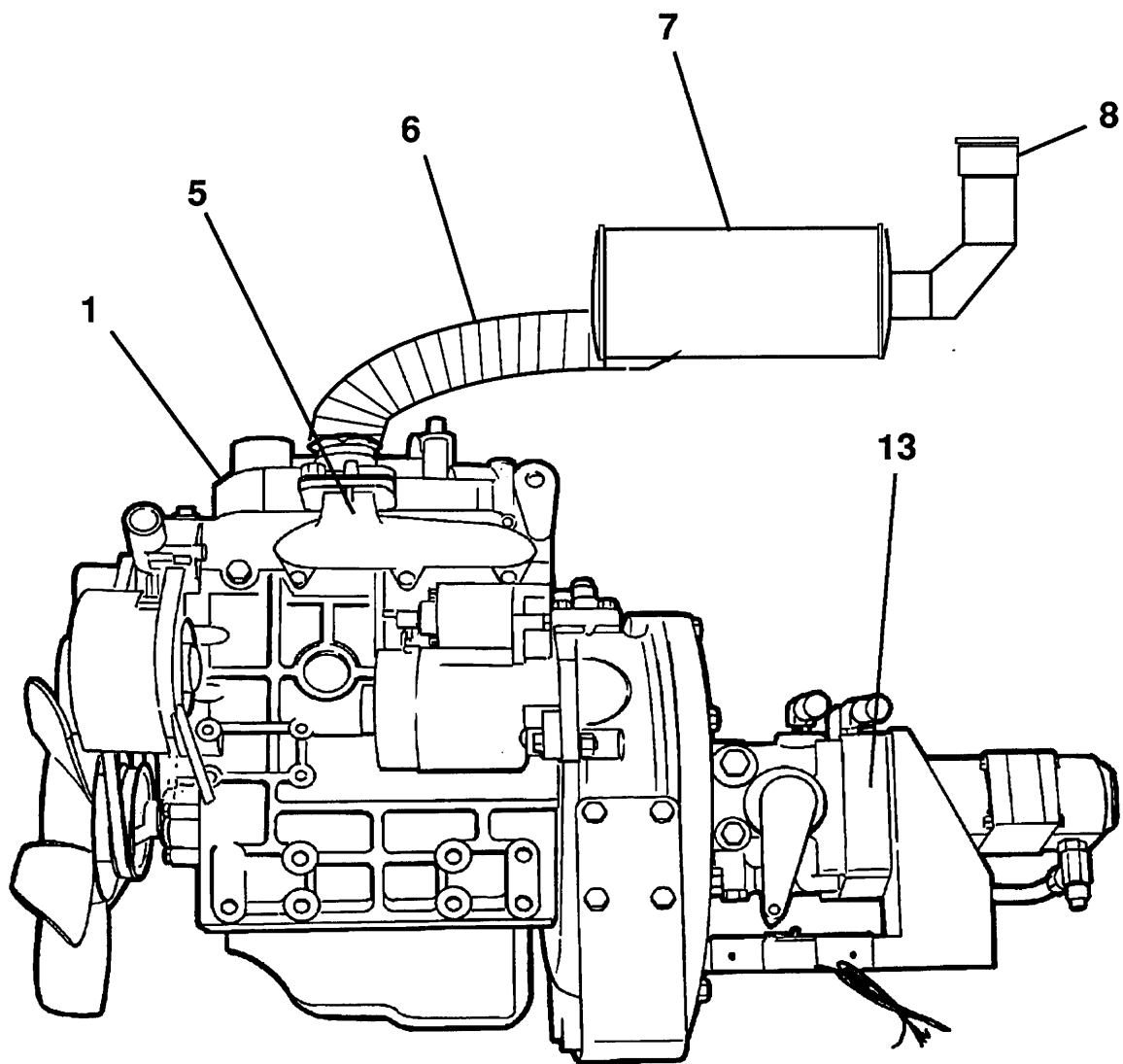
PLATE NO.

08.05

SIMON AERIALS INC.

REV. 07 SEP., 1993

PART NO.



TITLE

ENGINE, PERKINS DIESEL

SIMON AERIALS INC.

REV. 07 SEP., 1993

PART
NO.

PLATE
NO.

08.05

PARTS LIST

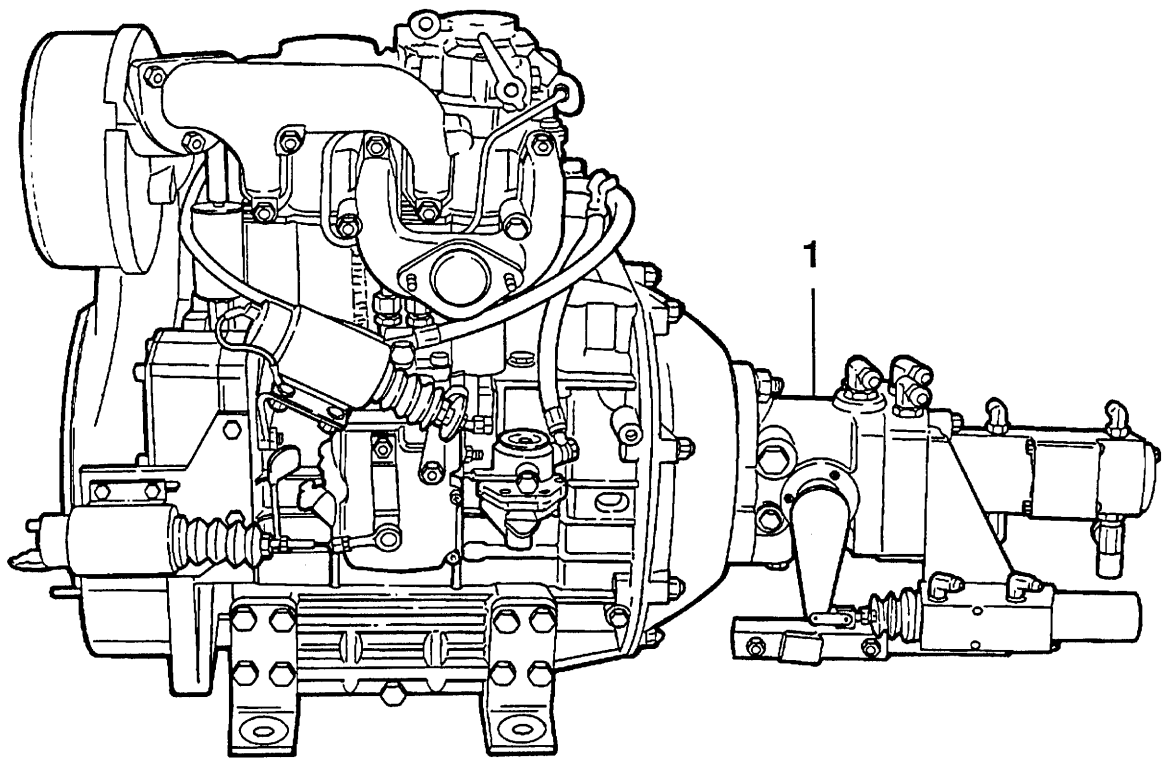
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NOTE: WAS PLATE 2.22 IN SOME EARLIER CATALOGS.

ENGINE, LOMBARDINI DIESEL

SIMON AERIALS INC.

**PART
NO.**



TITLE

ENGINE, LOMBARDINI DIESEL

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

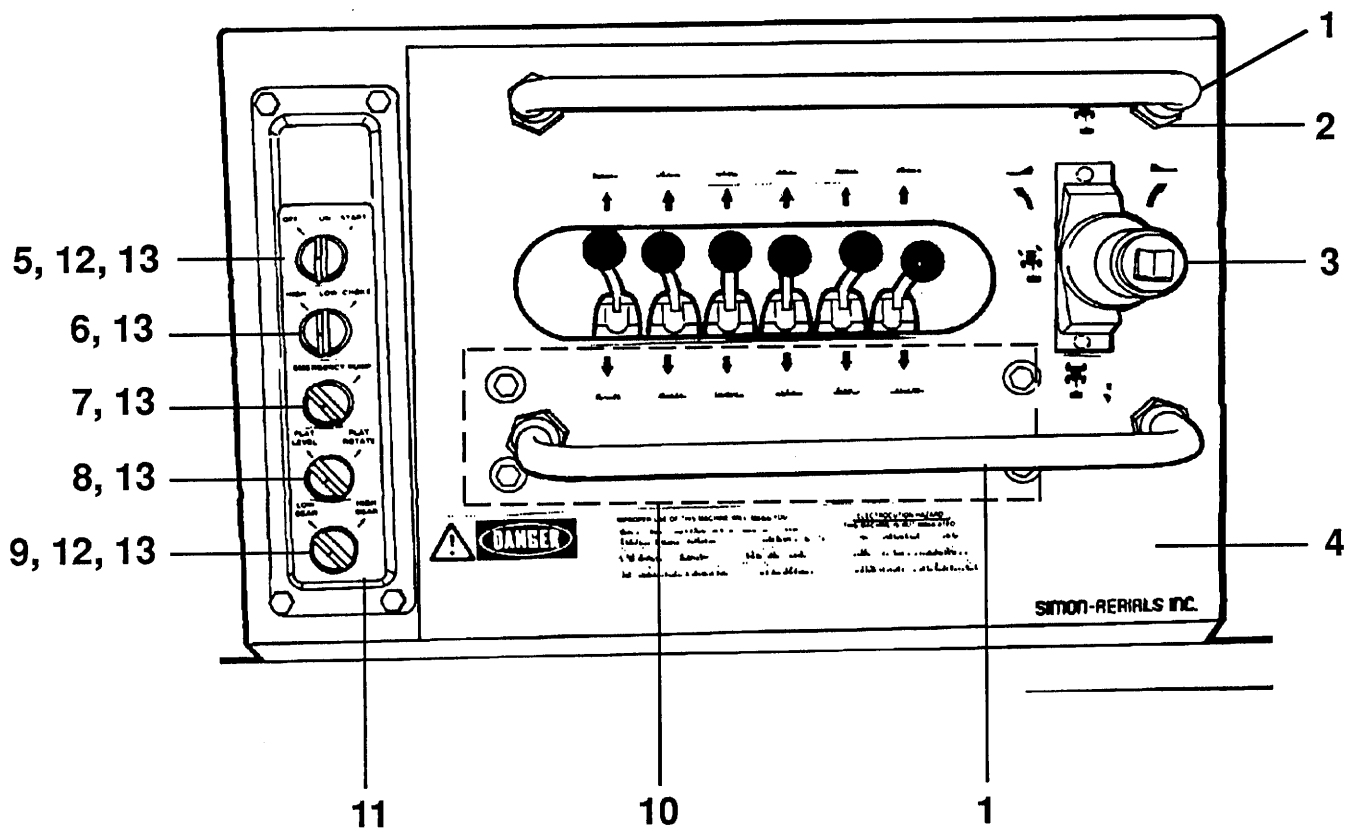
PLATE
NO. 8.6

PARTS LIST

[illegible]

PLATFORM CONTROL PANEL

PART
NO.



TITLE

PLATFORM CONTROL PANEL

SIMON AERIALS INC.

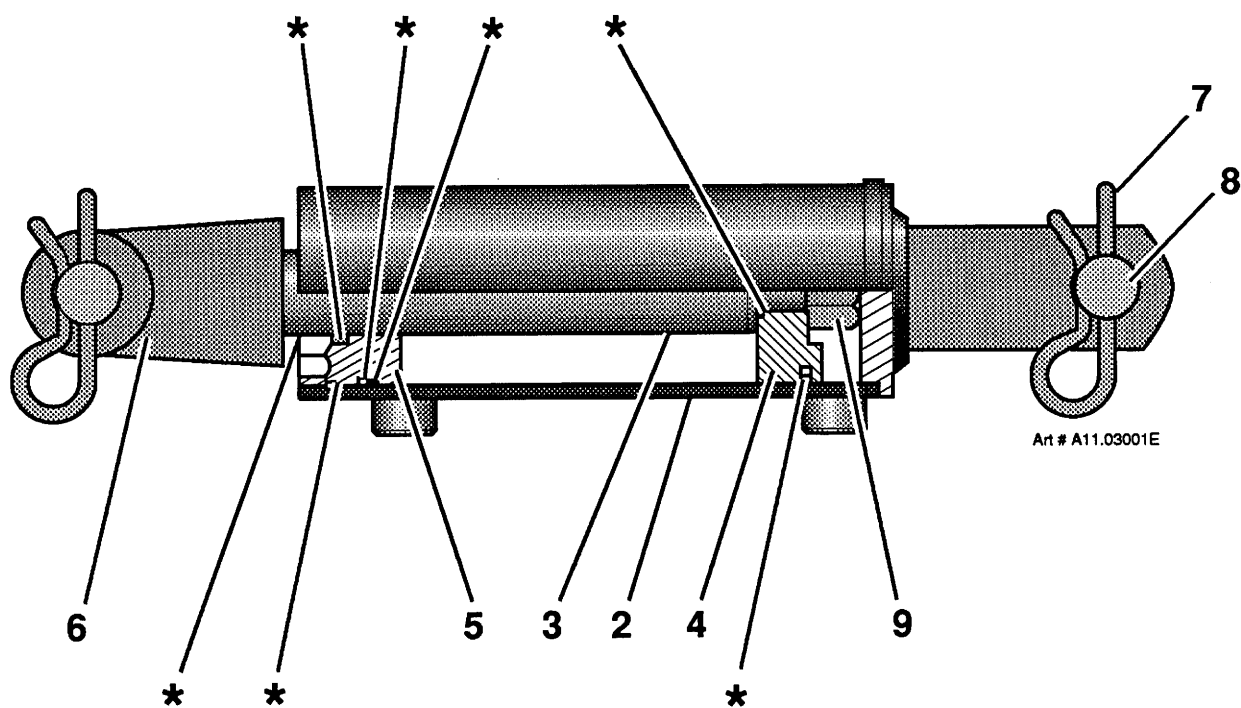
REV. 01/02/90

PART
NO.

PLATE
NO. 9.9

PARTS LIST

[illegible]



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

04-027400

PLATE
NO.

11.01

PARTS LIST

[illegible]

Note: was plate 1.41 in some earlier catalogs.

TITLE

STEER CYLINDER

**PLATE
NO.**

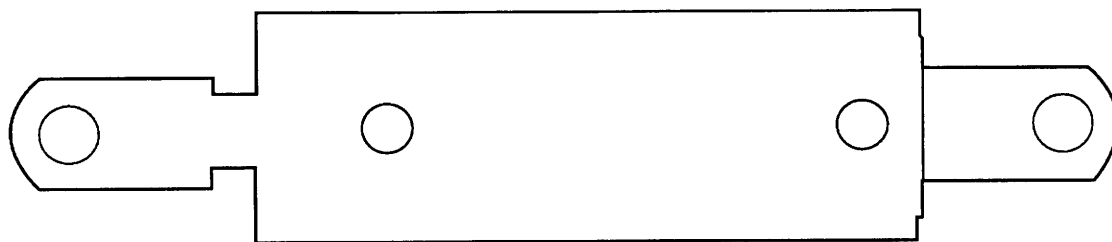
11.02

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

04-028100



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

04-028100

PLATE
NO.

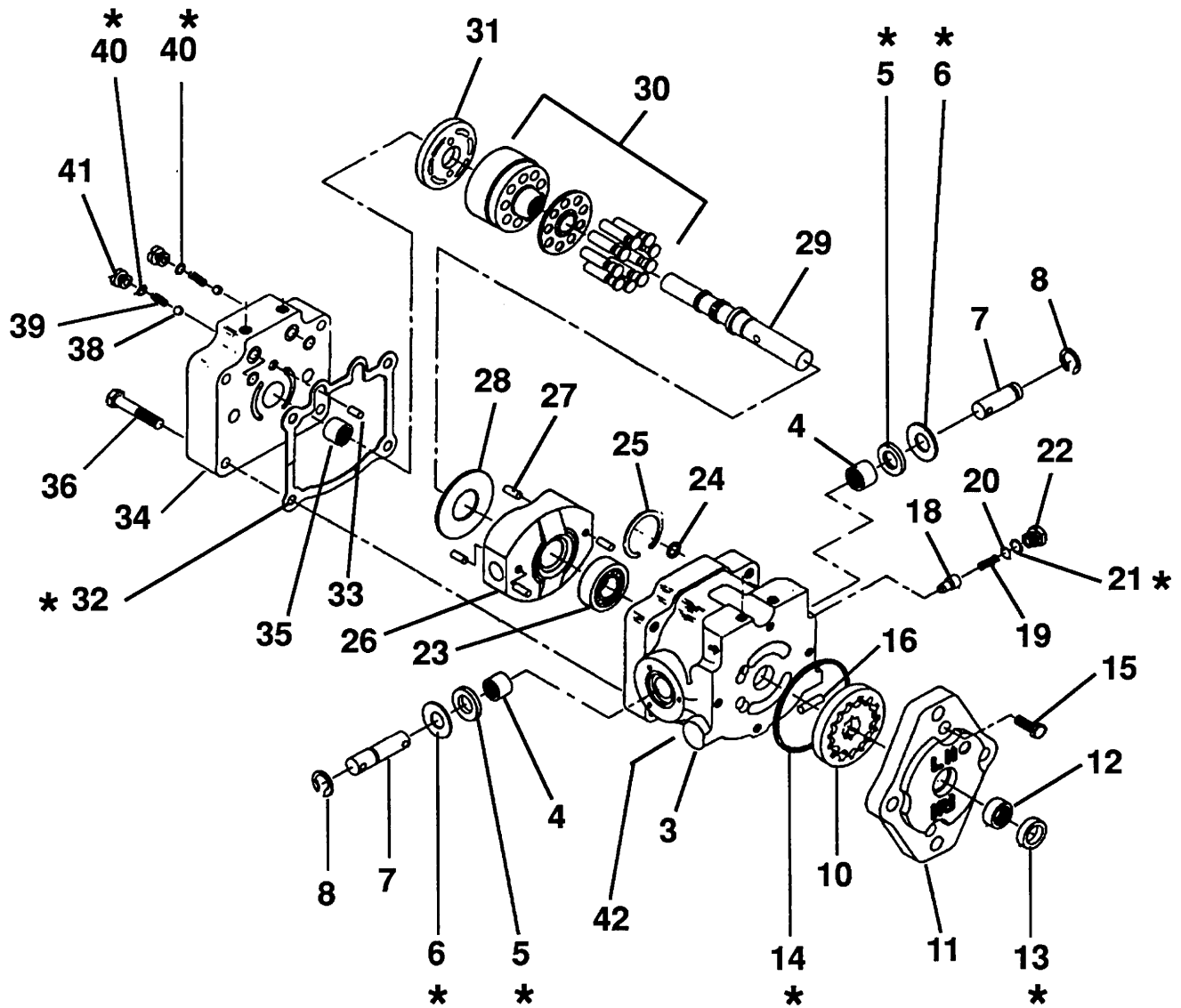
11.02

PARTS LIST

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

HYDRAULIC PUMP

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

01-079300

PLATE
NO.

12.02

PARTS LIST

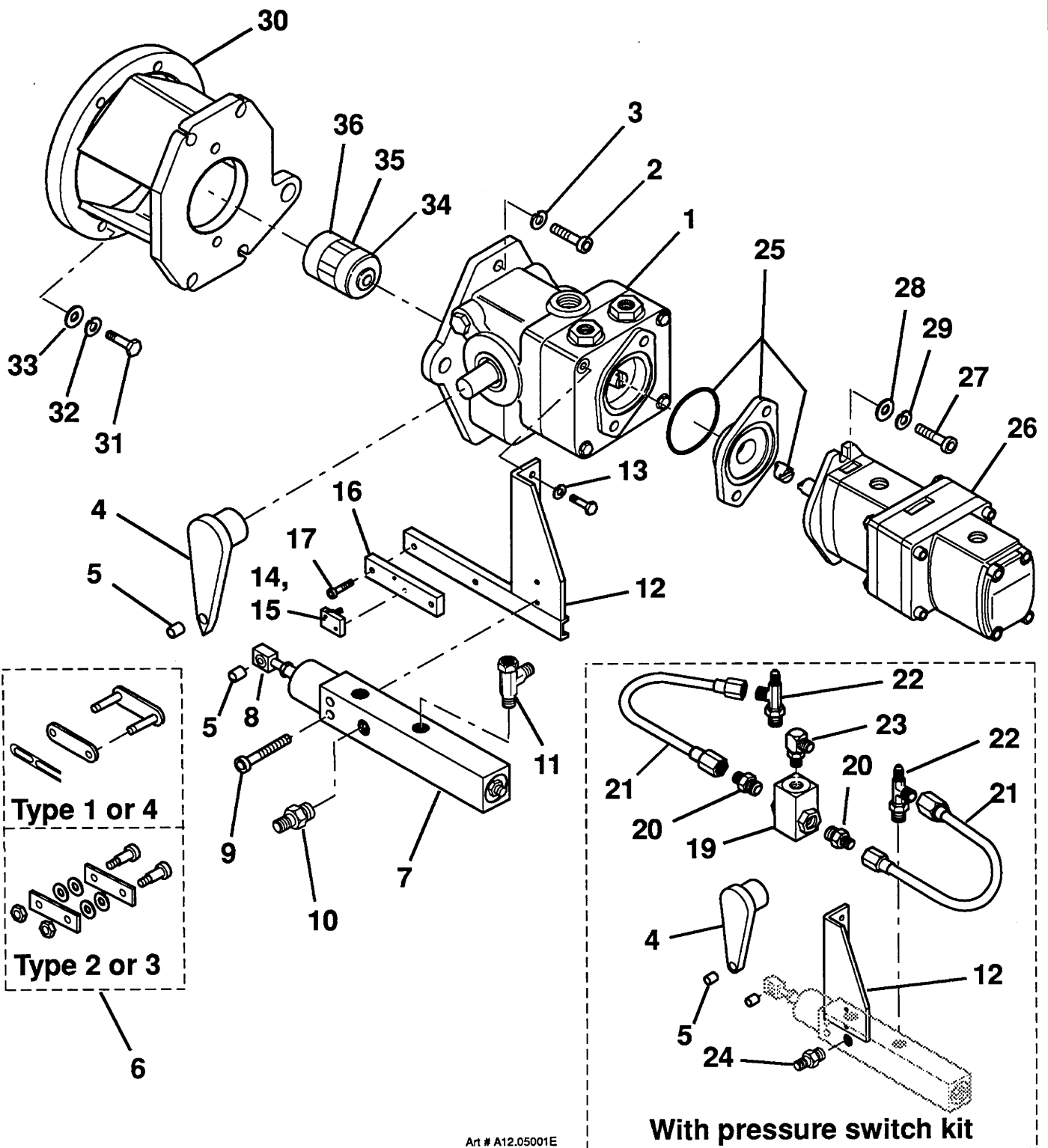
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3513910 3514650		PUMP ASSEMBLY, HYDRAULIC with Onan engine with Perkins engine	
1	01-079300	12.02	PUMP, HYDRAULIC	1
2	07-008087		CAP SCREW, SOCKET HEAD (1/2"-13 x 1-1/2", Grade 8)	2
3	07-065018		WASHER, LOCK (1/2")	2
4	2164080		ARM, STROKE (with no microswitch actuator, used when pressure switch kit, item 16, is installed)	
	2128870		[w/ 1/4" (6.4 mm) dia. hole for master link bushing] ARM, STROKE (with microswitch actuator)	1
			[w/ 1/4" (6.4 mm) dia. hole for master link bushing]	1
			[w/ 8 mm (.315") dia. hole for master link bushing]	
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	CYLINDER, ACTUATOR (Type 2, spring is in square barrel)	1
8	2149310		CLEVIS, ACTUATOR CYLINDER	1
			[w/ 1/4" (6.4 mm) dia. hole for master link bushing]	
			[w/ 8 mm (.315") dia. hole for master link bushing]	
9	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)	2
10	06-039500		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
11	06-048300		RUN TEE, MALE "O"-RING (4 R50X-S)	2
12			BRACKET ASSEMBLY, STROKE CYLINDER MOUNTING	
	2133270		with bracket for neutral start microswitch	1
	2133290		without microswitch bracket, used when pressure switch kit, item 18, is installed	1
13	07-065016		WASHER, HELICAL LOCK (3/8")	2

TITLE PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

PLATE NO. 12.08 SIMON AERIALS INC.

REV. 09 SEP., 1993

PART NO.



Art # A12.05001E

TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

PLATE
NO.

12.08

PARTS LIST

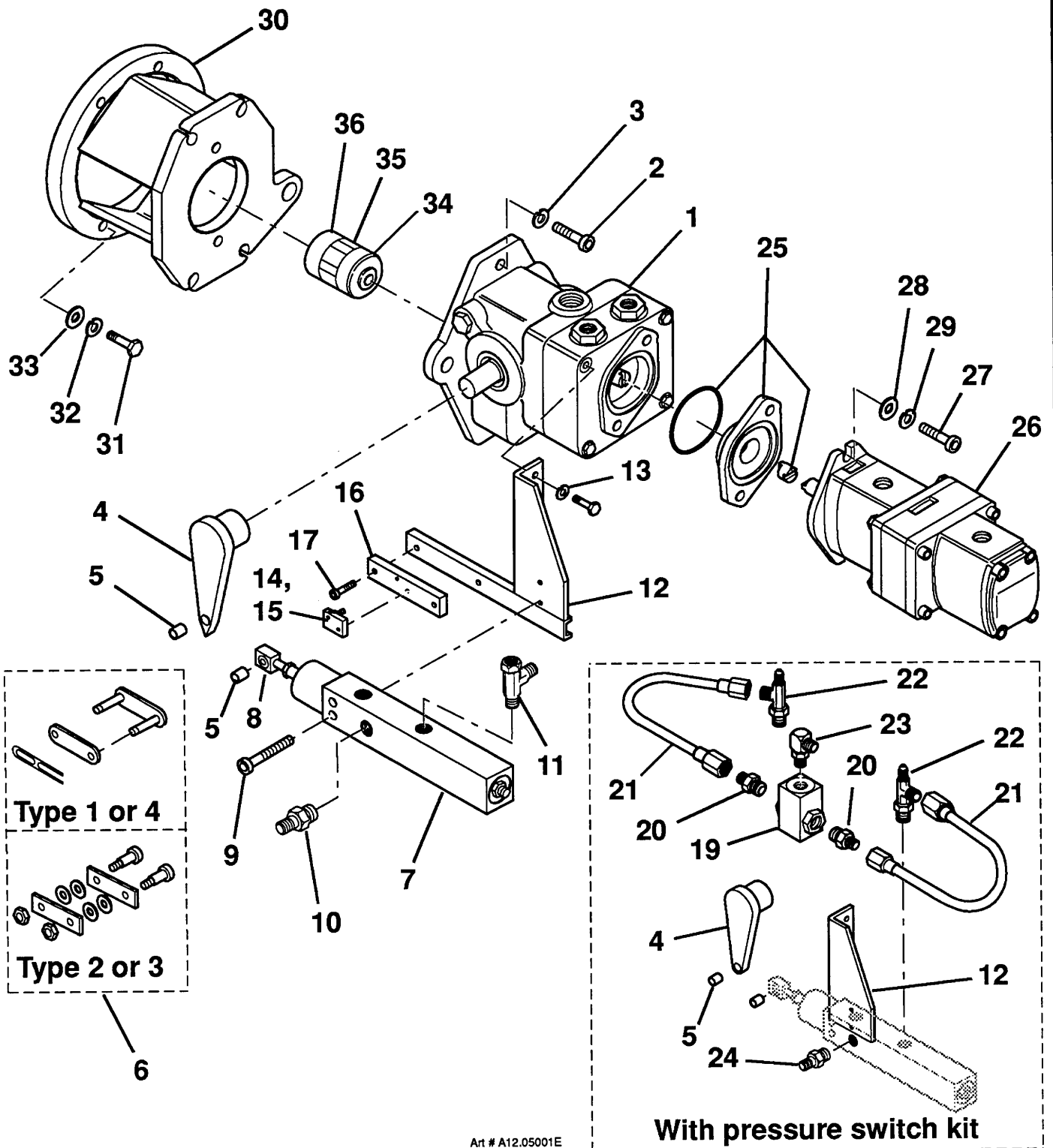
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	03-065000		MICROSWITCH (Neutral start) (does not include actuator) (used when pressure switch kit, item 18, is not installed)	1
15	03-026500		ACTUATOR, SWITCH (bolt on) (used when pressure switch kit, item 18, is not installed)	1
16	2134040		BLOCK, MICROSWITCH MOUNTING (used when pressure switch kit, item 18, is not installed)	1
17	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
18	3521260		SWITCH KIT, PRESSURE (This is a field installed upgrade kit. Only the components which mount to the actuator cylinder are listed here)	1
19	01-013800		VALVE, SHUTTLE	1
20	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
21	2133030		TUBE ASSEMBLY	2
22	2173740		RUN TEE, STROKE CYLINDER (modified 4 R50X-S)	2
23	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
24	2175730		ADAPTER, ORIFICED (modified 4 F50X-S)	1
25	01-079800		ADAPTER KIT, TANG DRIVE	1
26	01-080300		PUMP, HYDRAULIC TANDEM	1
27	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
28	07-062016		WASHER, FLAT (3/8")	2
29	07-065016		WASHER, HELICAL LOCK (3/8")	2
30			ADAPTER, DRIVE PUMP	
	02-022600		with Perkins engine	1
	02-022700		with Onan engine	1
31	07-003069		CAP SCREW, HEX HEAD (7/16"-14 x 2", Grade 5)	4
32	07-065017		WASHER, HELICAL LOCK (7/16")	4
33	07-062017		WASHER, FLAT (7/16")	4
34	02-022300		COUPLING ASSEMBLY (with Perkins engine)	1
	02-018000		COUPLING HALF (Pump side)(3/4" bore) (with Onan engine)	1
35	02-018200		INSERT, COUPLING (urethane) (with Onan engine)	1
36	02-018800		COUPLING HALF (Engine side) (1-1/8" bore) (with Onan engine)	1

TITLE PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

PLATE NO. 12.08 SIMON AERIALS INC.

REV. 09 SEP., 1993

PART NO.



TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

PLATE
NO.

12.08

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-017711		SHAFT, MAIN DRIVE (used with yoke connection to front drive shaft)	1
			SHAFT, MAIN DRIVE (used with flange connection to front drive shaft)	1
2	02-017741		PIN, OIL PUMP PLUNGER	2
3	02-017720		HUB, PLANETARY SHIFT	1
4	02-017724		RING, RETAINING (188 mm O.D., 3.2 mm thk.)	1
5	02-017730		GEAR, RING (Annulus) (98 internal teeth)	1
6	02-017714		BUSHING, INPUT SHAFT (1-1/4" I.D., 1-1/2" O.D., 1/2" lg.)	1
7	02-017723		BEARING, NEEDLE (Input shaft)	1
8	02-017746		PLANETARY ASSEMBLY	1
9	02-017752		BEARING, INPUT (84 mm O.D., 1.55 mm thk.)	1
10	02-017753		BEARING, INPUT (46 mm I.D., 2.31 mm thk.)	1
11	02-017727		HOUSING, OIL PUMP	1
12	02-017729		COVER, OIL PUMP FRONT (Input side)	1
13	02-017728		COVER, OIL PUMP REAR (Output side)	1
14	02-017736		RETAINER, OIL PUMP	1
15	02-017745		SCREW, CAP (Oil pump) (M5-0.8 x 20 mm)	4
16	02-017718		CLAMP, HOSE (13/32" free I.D.)	1
17	02-017735		COUPLING, HOSE (7 mm I.D. x 220 mm long)	1
18	02-017717		STRAINER, OIL	1
19	02-017732		SPROCKET, DRIVE (34 and 9 external teeth)	1
20	02-017721		COLLAR, SHIFT LOCKUP (9 internal teeth)	1
21	02-017725		SPRING, LOCKUP	1
22	02-017731		HUB, LOCKUP (9 internal teeth)	1
23	02-017750		RING, RETAINING (83 mm O.D., 1.3 mm thk.)	1
24	02-017719		HUB, SHIFT COLLAR (9 external, 48 internal teeth)	1
25	02-017707		CHAIN, DRIVE (endless, 1-1/4" wide, 84 links)	1
26	02-017712		SHAFT, OUTPUT (to rear axle. Exits same side as input shaft)	1
27	02-017733		SPROCKET, DRIVEN (31 internal, 34 external teeth)	1
28	02-017722		WASHER, THRUST (1-5/8" O.D., 1-17/64" I.D., 3/32" thk.)	1
29	02-017748		RING, RETAINING (1-11/64" I.D. x 3/64" thk.)	1
30	02-017726		BEARING, OUTPUT SHAFT (1-1/4" I.D., 1-1/2" O.D., 3/4" wide)	1
31	02-017749		RING, RETAINING (2-31/32" O.D. x 5/64" thk.)	1
32	02-017756		YOKE, OUTPUT (to rear drive shaft)	1
33	02-017704		SLINGER, YOKE GUARD	1

TITLE

TRANSFER CASE (PLATE 1 OF 2)

PLATE
NO.

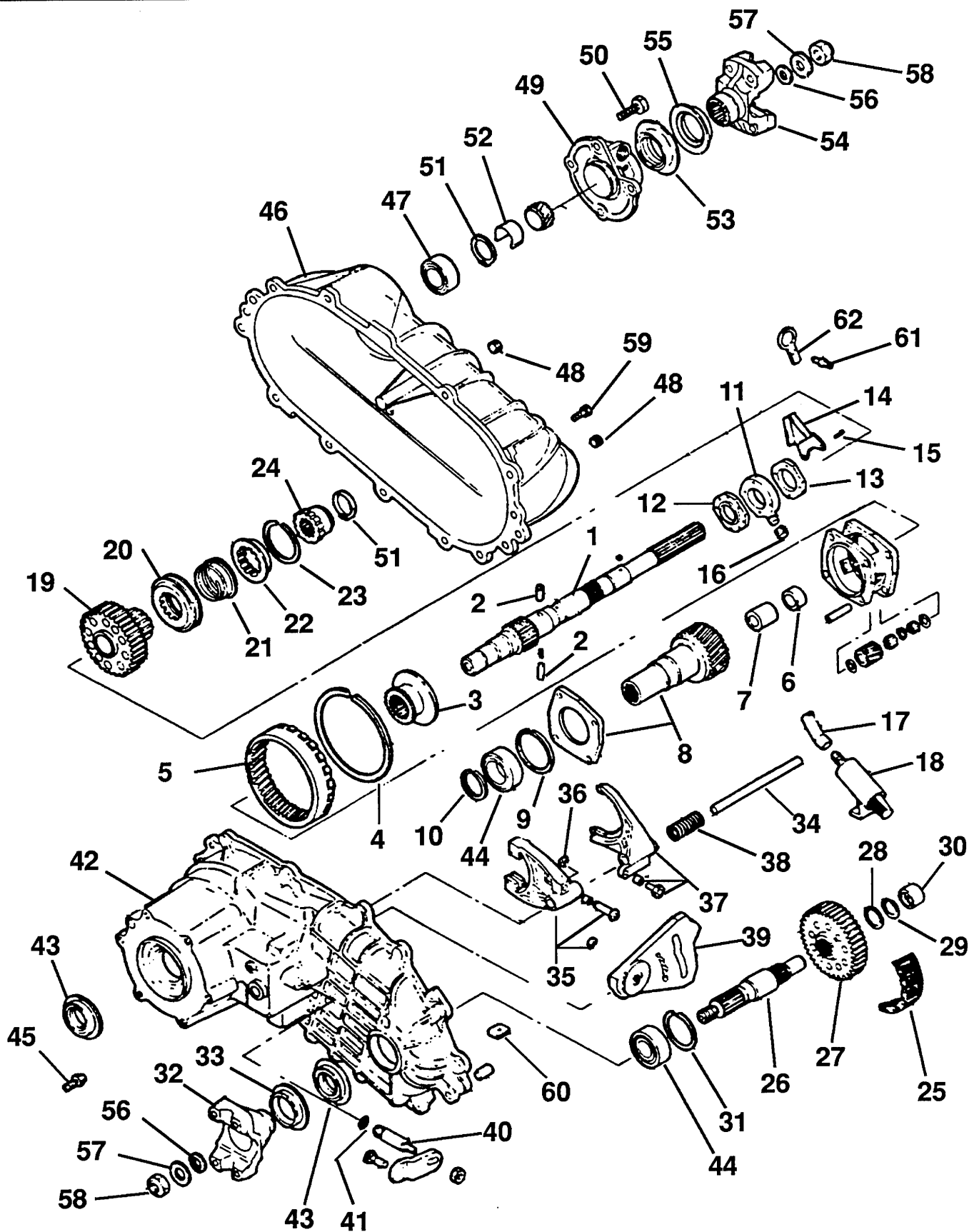
17.01

SIMON AERIALS INC.

REV. 12/10/90

PART
NO.

02-017700



TITLE

TRANSFER CASE (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 12/10/90

PART
NO.

02-017700

PLATE
NO.

17.01

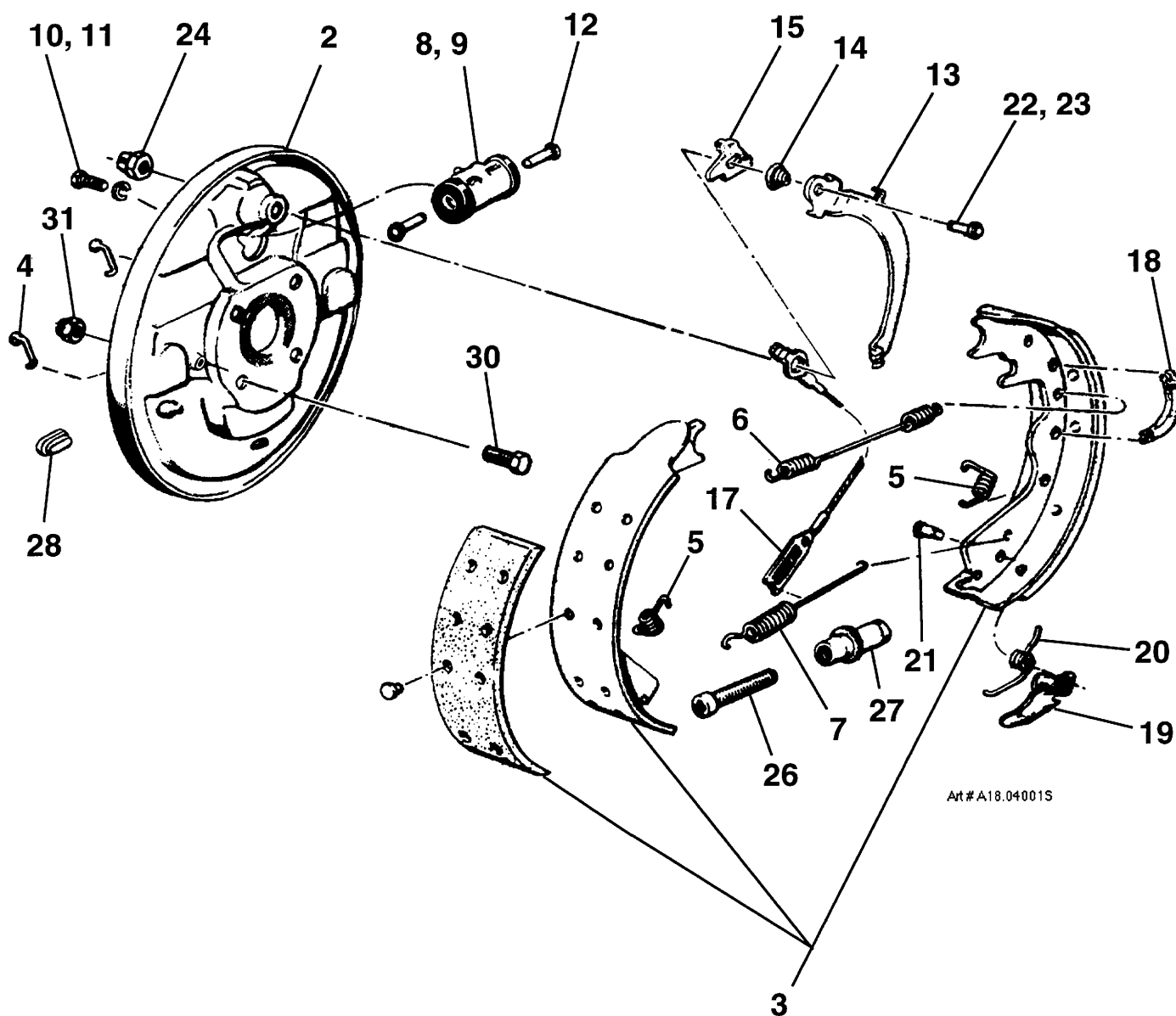
PARTS LIST

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
	* 02-029802		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. 09 SEP., 1993 THIS SHEET ONLY
		PART NO.	02-017700

17.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: This Rear Brake Drum for: AT 30C Constructor AT 40C Constructor Silver Eagle 32/21 (Fuel), S/N VG 1001 and up Silver Eagle 41/24 (Fuel), S/N W or WG 5101 and up	
1	02-020027		BRAKE ASSEMBLY, REAR DRUM (For reference only. Assembly not available. Order individual components.) Right hand	1
	02-020028		Left hand	
2			PLATE, BRAKE BACKING	1
	02-020009		Right hand	
	02-020010		Left hand	
3	02-020004		SHOE AND LINING SET , BRAKE (Primary and secondary shoes and linings for one side)	1
4	02-020011		PIN, SHOE HOLD DOWN	2
5	02-020025		SPRING, SHOE HOLD DOWN	2
6	02-020026		SPRING, SHOE RETRACTING (upper)	1
7	02-020018		SPRING, SHOE RETRACTING (lower)	1
8			CYLINDER ASSEMBLY, WHEEL	1
	55-000212		Right hand	
	55-000213		Left hand	
9	01-096000		CUP, WHEEL CYLINDER (1.188" [30.2 mm] dia.) (Special, for use with hydraulic fluid . Simon part number is molded into cup)	2
 WARNING USE OF WHEEL CYLINDER CUPS MADE FOR USE WITH DOT-3 BRAKE FLUID ON A SYSTEM USING HYDRAULIC FLUID WILL CAUSE RAPID SYSTEM CONTAMINATION AND FAILURE.				
10	-----		BOLT, BRAKE CYLINDER RETAINING	2
11	-----		WASHER, BRAKE CYLINDER RETAINING	2
12	02-020005		LINK, WHEEL CYLINDER	2
TITLE REAR DRUM BRAKE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO.	18.04	SIMON AERIALS INC.		PART NO.
			REV. 04 JAN., 1996	



TITLE

REAR DRUM BRAKE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

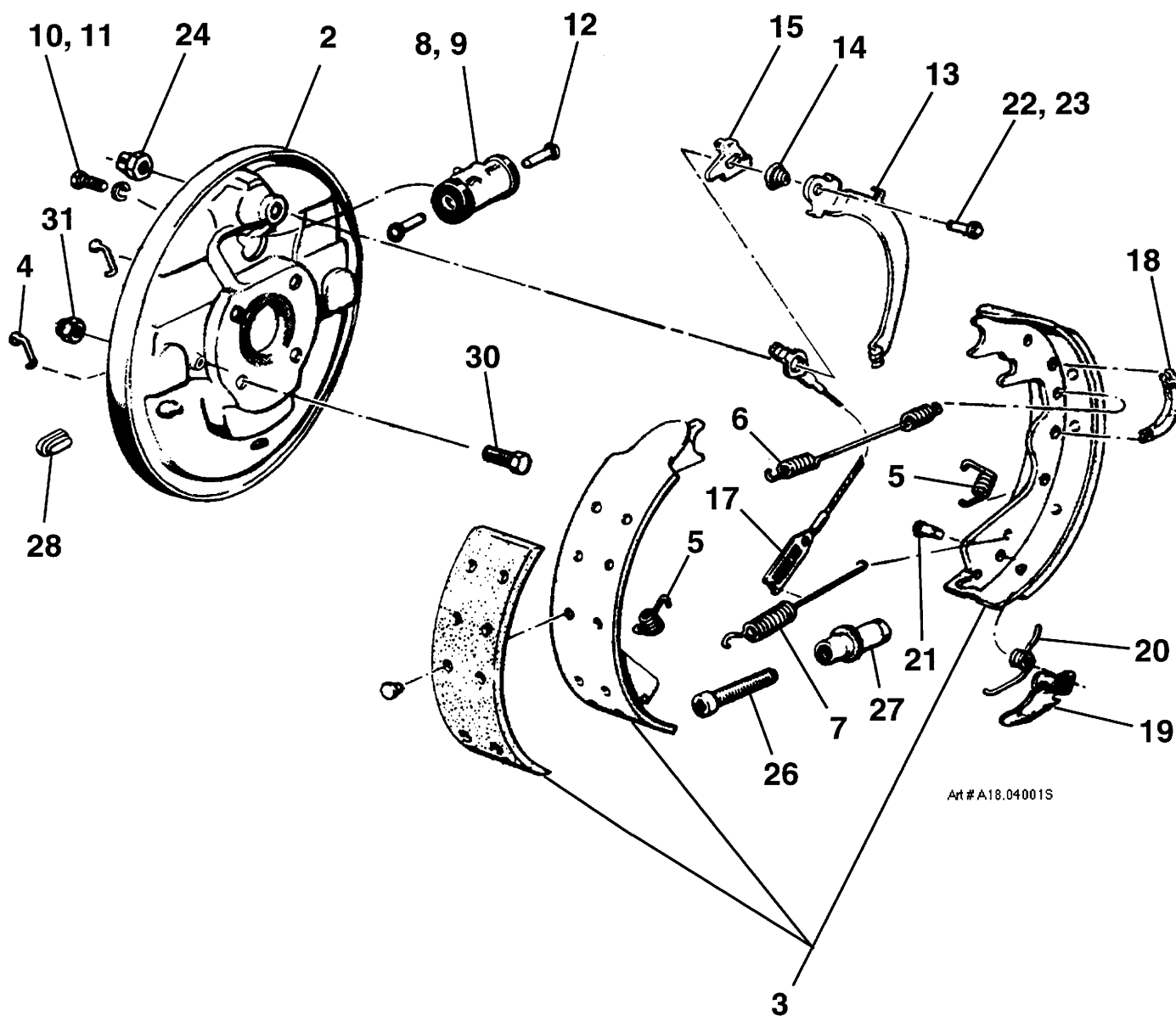
REV. 04 JAN., 1996

PART
NO.

PLATE
NO.

18.04

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TITLE

REAR DRUM BRAKE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 04 JAN., 1996

PART
NO.

PLATE
NO.

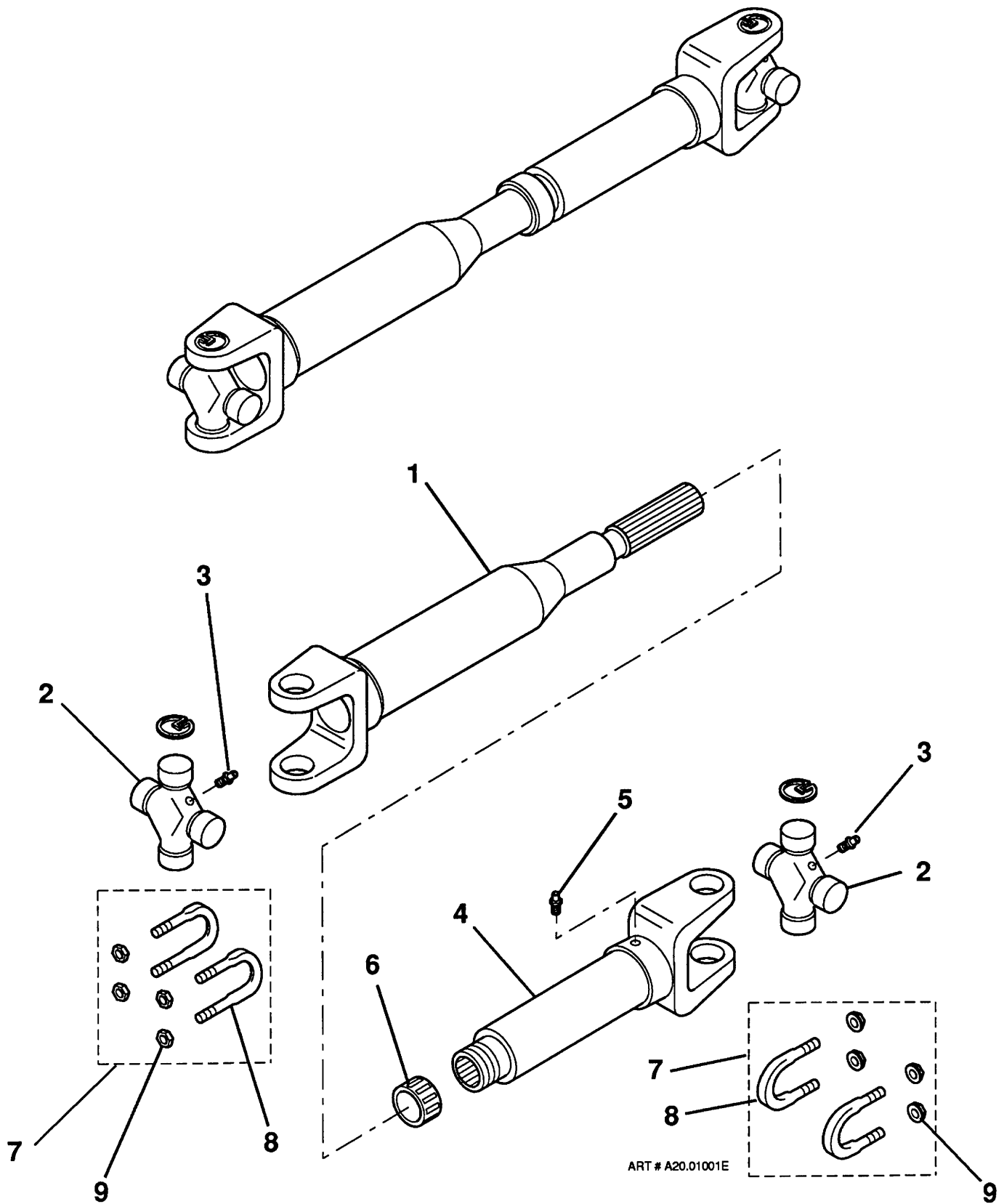
18.04

PARTS LIST

[illegible]

TITLE FRONT DRIVE SHAFT

PLATE NO.	20.01	SIMON AERIALS INC.	REV. 17 AUG., 1993	PART NO.	02-021800
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TITLE

FRONT DRIVE SHAFT

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-021800

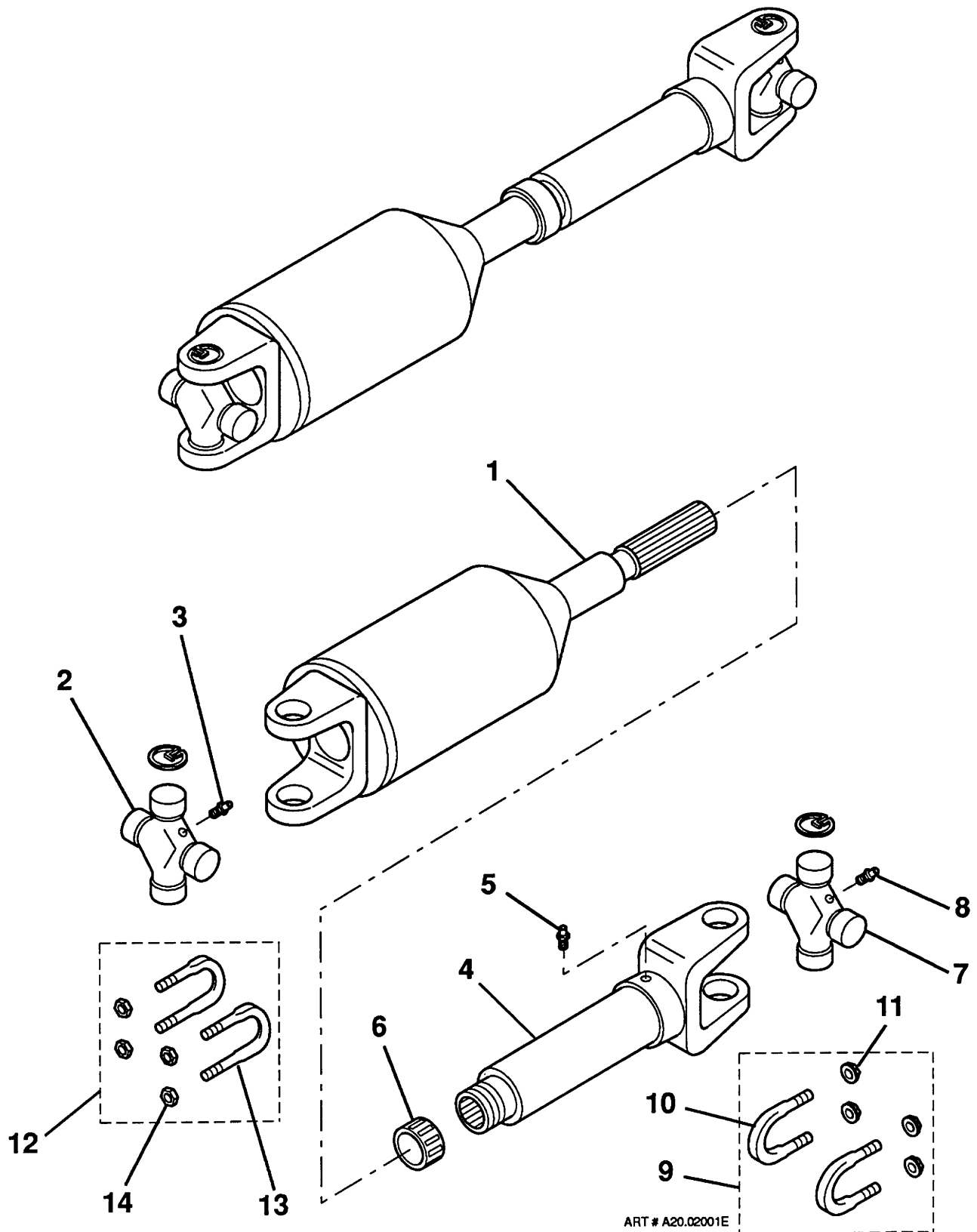
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20.01

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REAR DRIVE SHAFT

02-021700



TITLE

REAR DRIVE SHAFT

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-021700

PLATE
NO.

20.02

PARTS LIST

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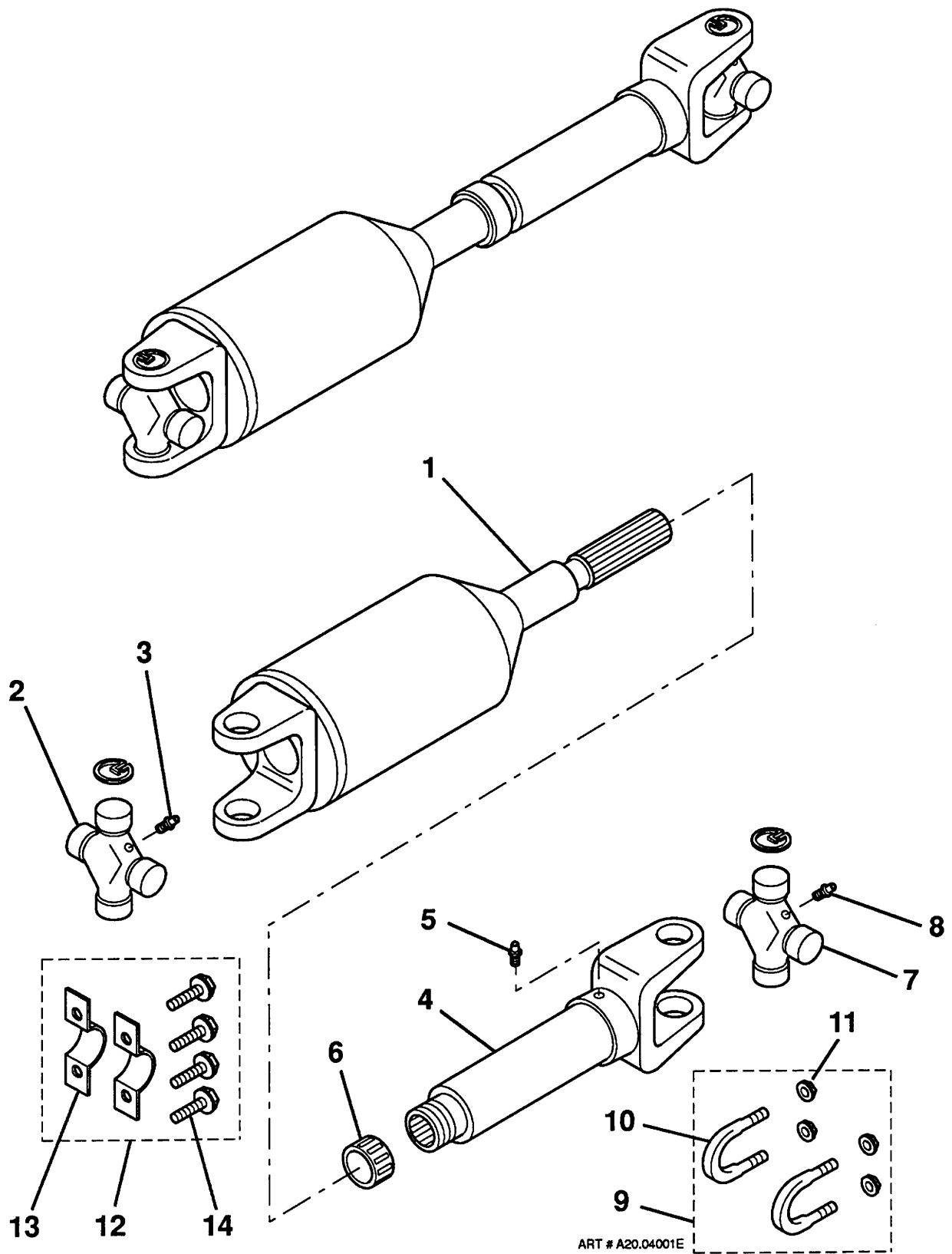
TITLE REAR DRIVE SHAFT

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.

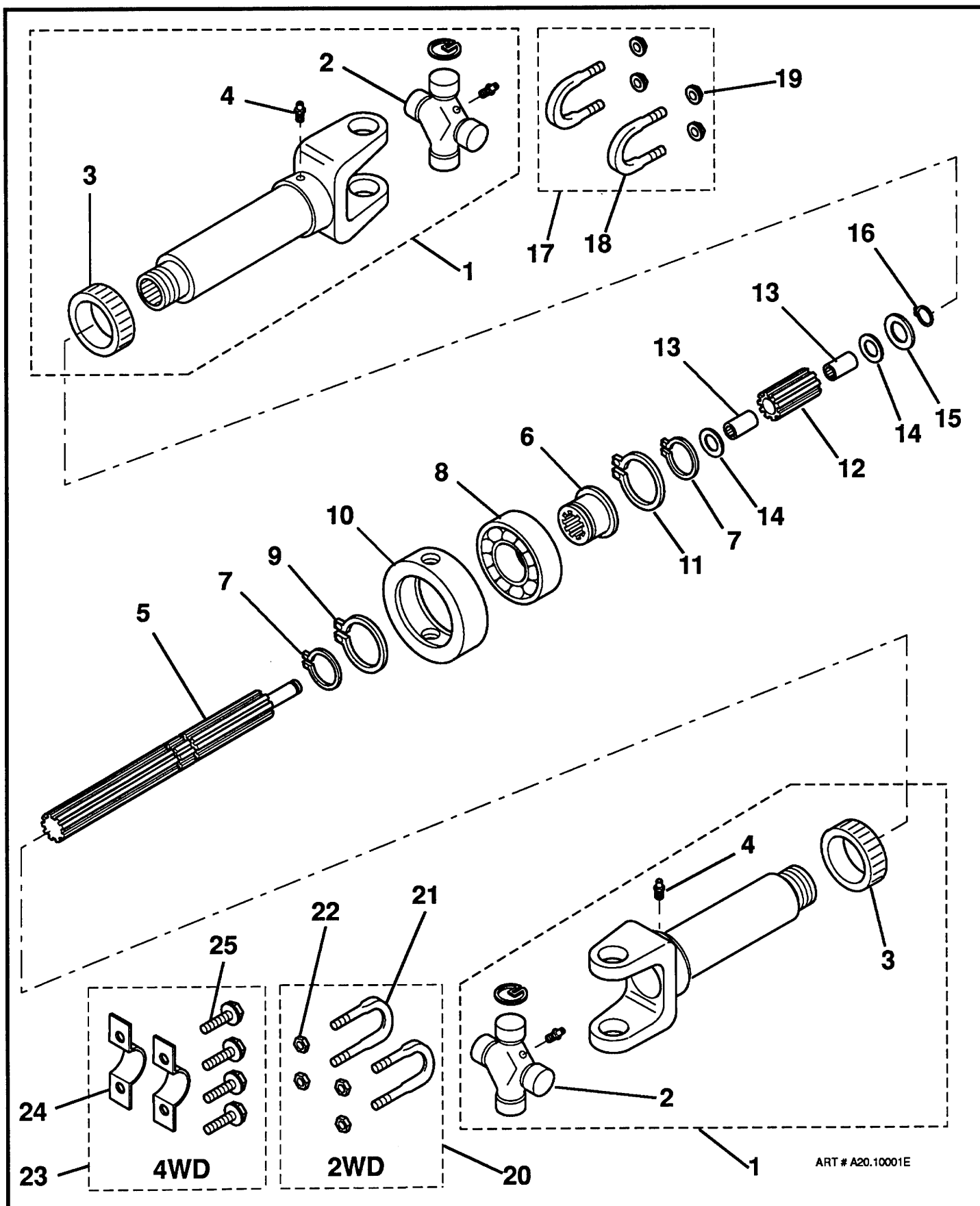
20.04

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.	REV. 17 AUG., 1993	PART NO. 2136450
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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]

TITLE

HYDRAULIC ACTUATOR ASSEMBLY

**PLATE
NO.**

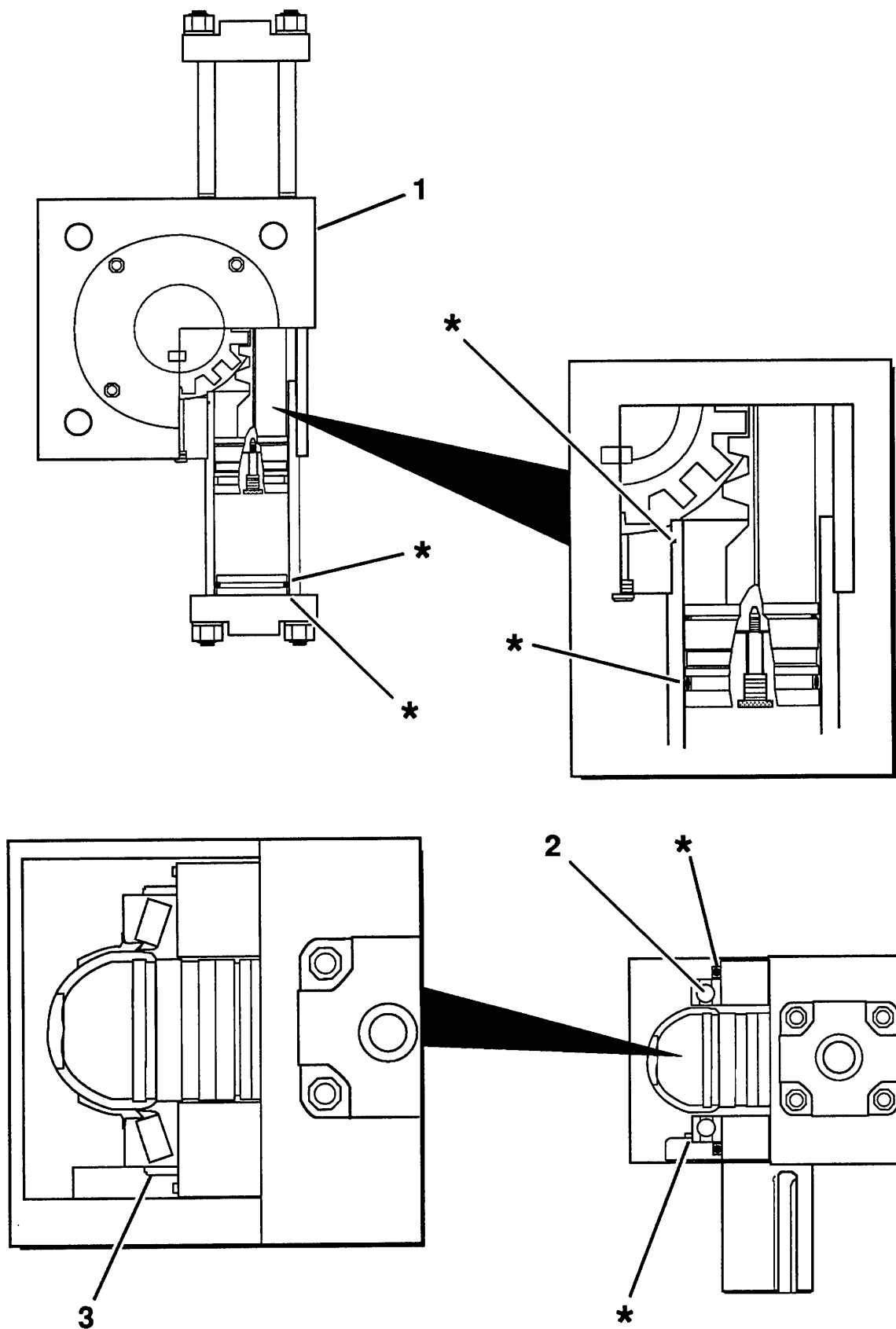
21.04

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART
NO.

01-084500



TITLE

HYDRAULIC ACTUATOR ASSEMBLY

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART
NO.

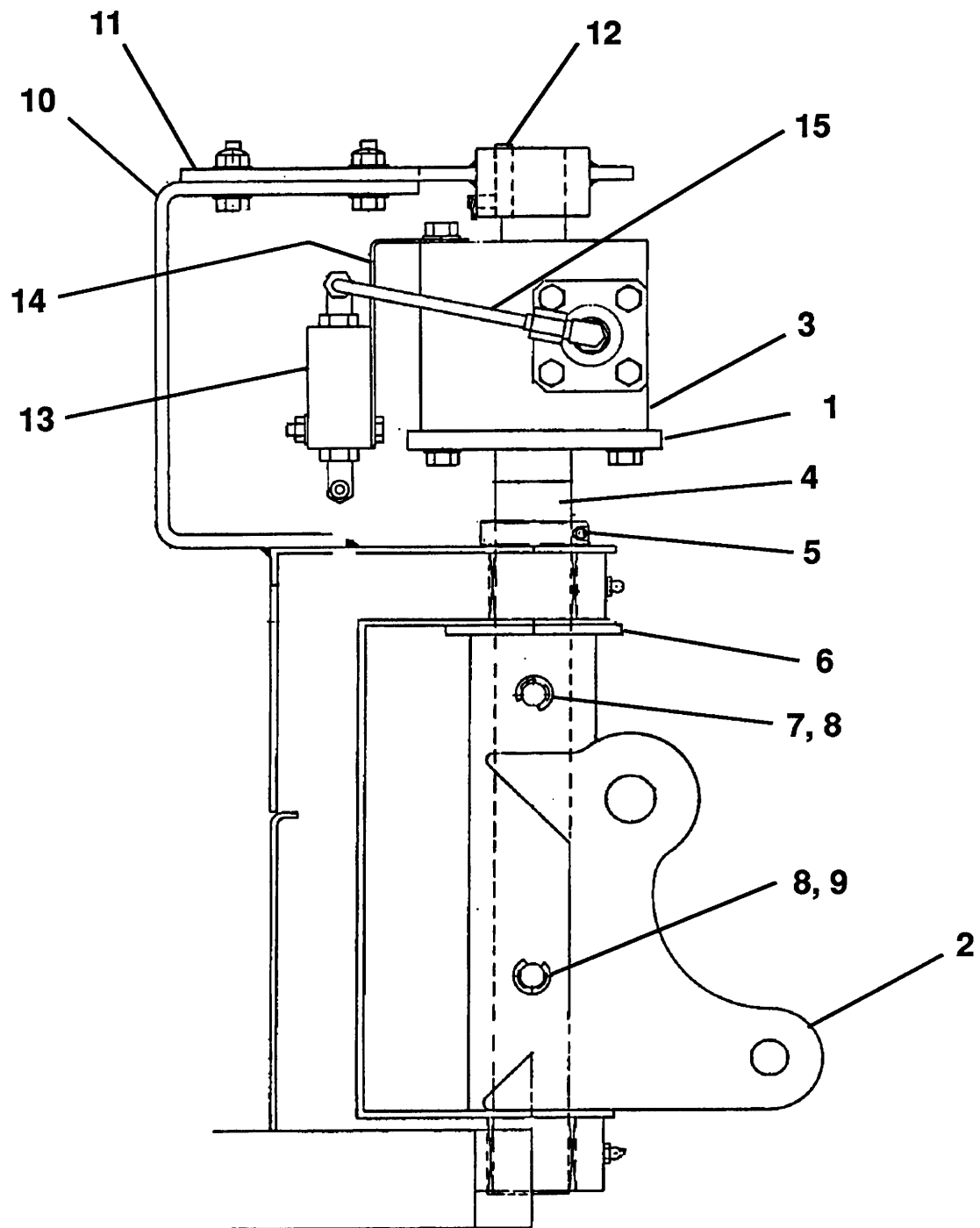
01-084500

PLATE
NO.

21.04

[illegible]

TITLE		HYDRAULIC ROTATOR, AT40 C (PRIOR TO S/ N 5000)	
PLATE NO.	21.05	SIMON AERIALS INC. REV. 23 JAN., 1992	PART NO. 2132220



TITLE HYDRAULIC ROTATOR, AT40 C (PRIOR TO S/ N 5000)

SIMON AERIALS INC.

REV. 23 JAN., 1992

PART
NO.

2132220

PLATE
NO.

21.05

PARTS LIST

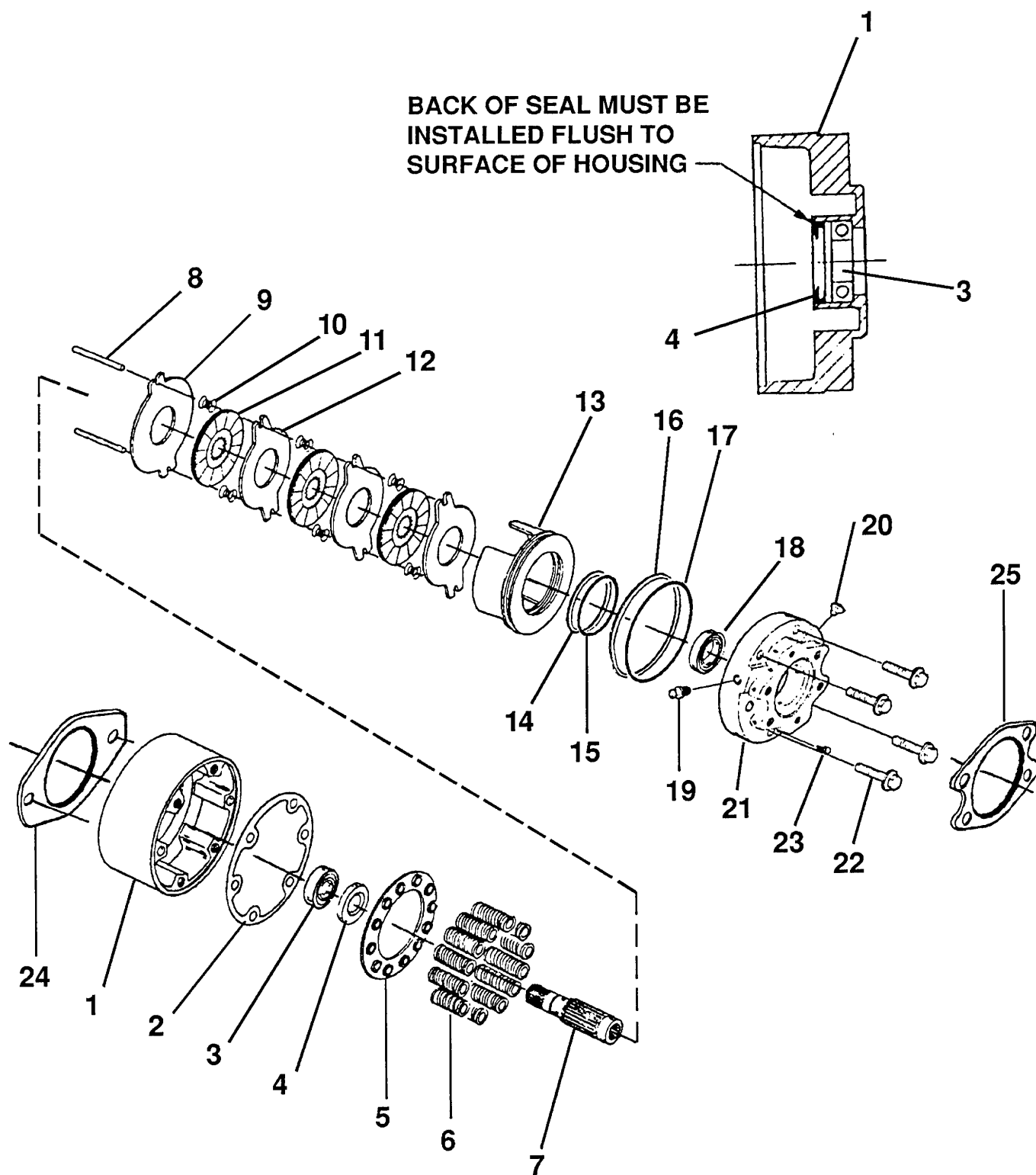
ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
1	01079616		HOUSING	1
2	*		GASKET	1
3	**		BEARING, BALL	1
4	**		SEAL, OIL	1
5	01079617		RETAINING SPRING	1
6	01079618		SPRING, COMPRESSION	6
7	01079619		SHAFT, SPLINED	1
8	01079605		PIN, TORQUE	2
9	01079606		DISC, PRIMARY	1
10	01079607		SPRING, COMPRESSION	6
11	01079608		DISC, ROTATING	3
12	01079609		DISC, STATIONARY	3
13	01079610		PISTON	1
14	*		RING, PISTON BACKUP	1
15	*		O-RING	1
16	*		RING, PISTON BACKUP	1
17	*		O-RING	1
18	**		BEARING, BALL	1
19	01079611		SCREW, BLEEDER	1
20	01079612		PLUG, PROTECTIVE	1
21	01079613		PLATE, POWER	1
22	01079614		SCREW, HEX FLANGED	1
23	01079615		VALVE, PRESSURE RELIEF	1
24	***		GASKET	1
25	***		GASKET	1
*	01079601		O-RING KIT	1
**	01079603		BEARING KIT	1
***	01079604		GASKET KIT	1
NOTE: WAS PLATE 1.20 IN SOME EARLIER CATALOGS.				

TITLE BRAKE ASSEMBLY

PLATE NO. 22.1 SIMON AERIALS INC.

REV. 01/02/90

PART NO. 01-079600



TITLE

BRAKE ASSEMBLY

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

01-079600

PLATE
NO.

22.1

PARTS LIST

[illegible]

TITLE

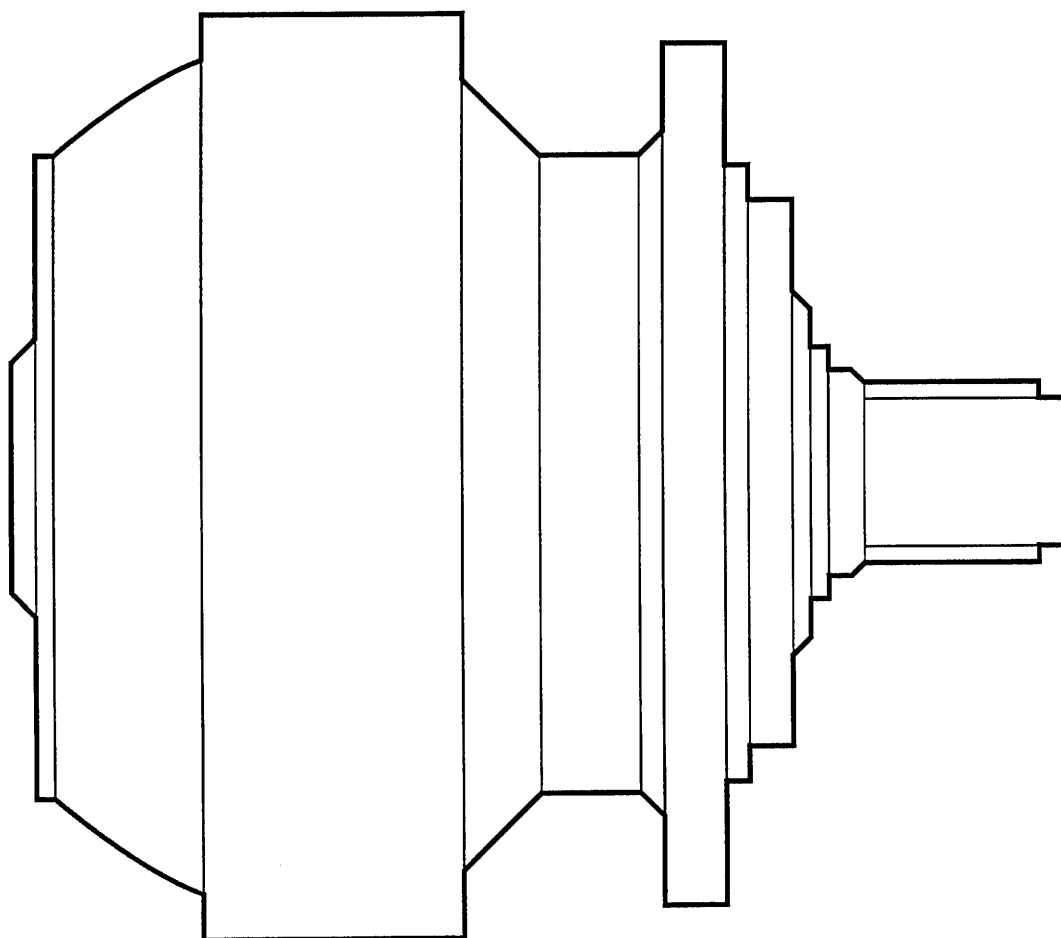
GEAR REDUCER ASSEMBLY

PLATE NO. 22.2

SIMON AERIALS INC.

REV. 01/02/90

PART NO. 01-079900



TITLE

GEAR REDUCER ASSEMBLY

SIMON AERIALS INC.

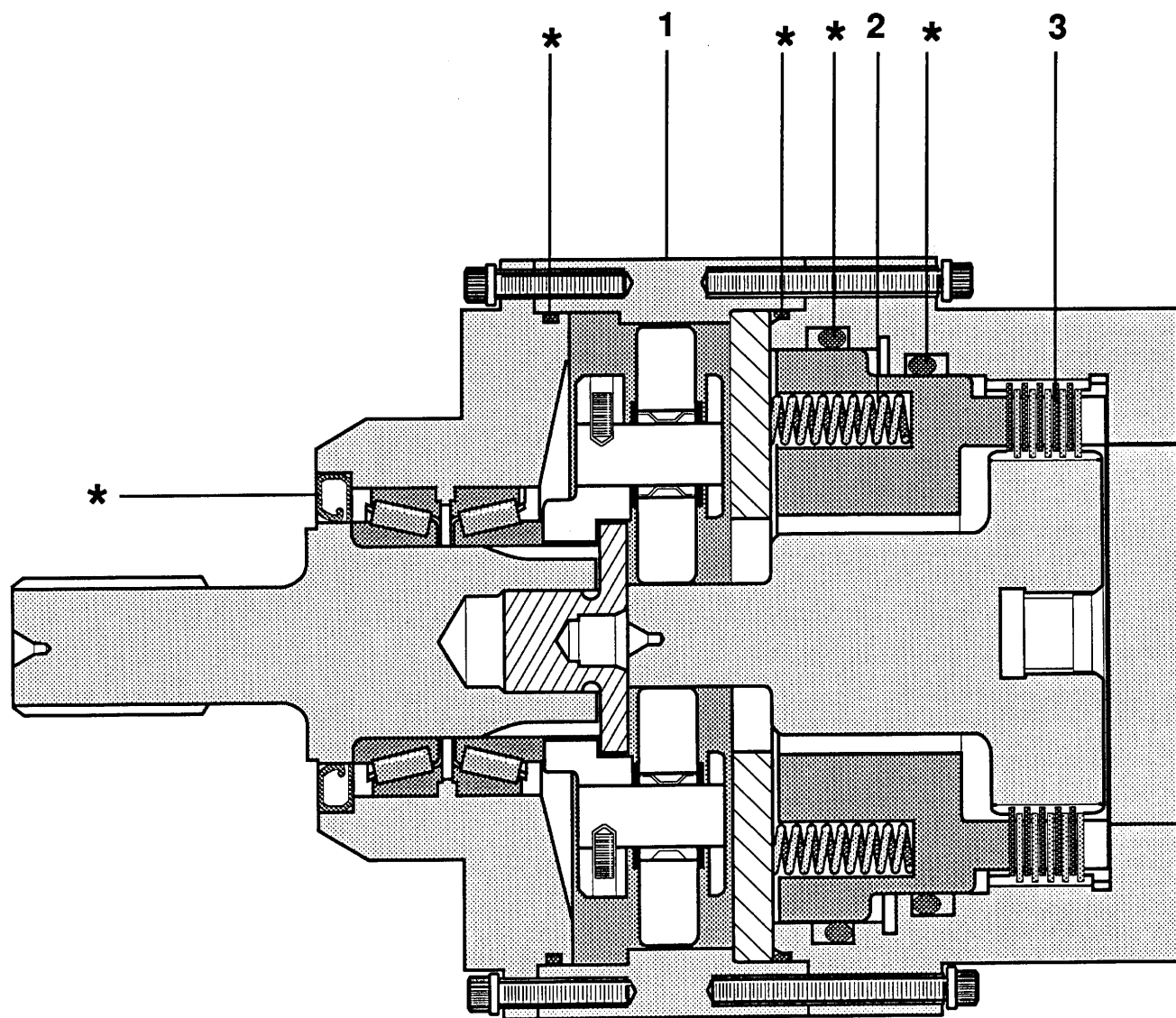
REV. 01/02/90

PART
NO.

01-079900

PLATE
NO.

22.2



TITLE

SPEED REDUCER W/ BRAKE

SIMON AERIALS INC.

PART
NO.

02-025300

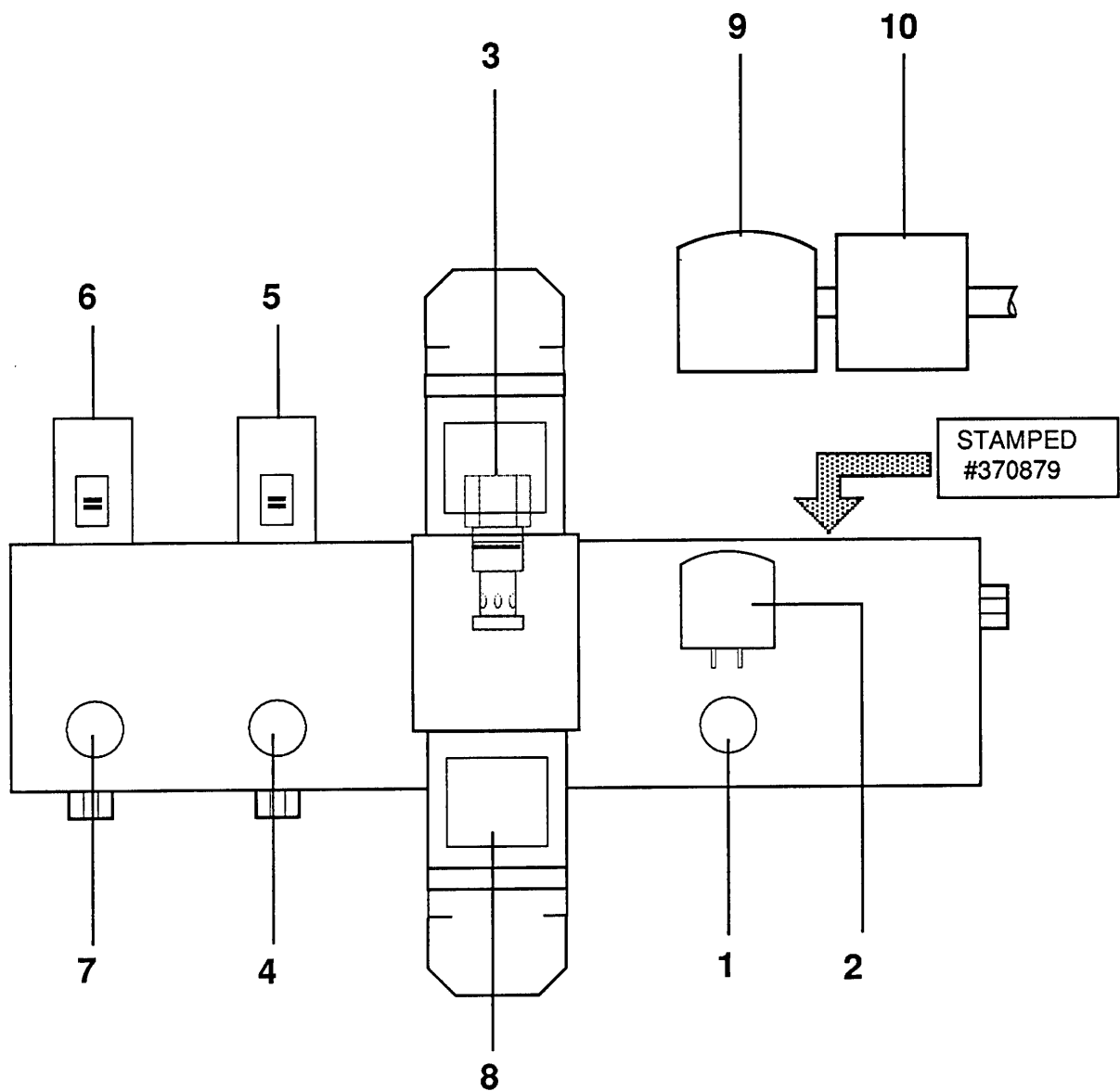
PLATE
NO.

22.6

[illegible]

SPEED REDUCER W/ BRAKE

02-025300



TOP VIEW

TITLE

MANIFOLD (TYPE 1)

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

01-083000

PLATE
NO.

23.1

PARTS LIST

[illegible]

TITLE

MANIFOLD (TYPE 1)

PLATE
NO.

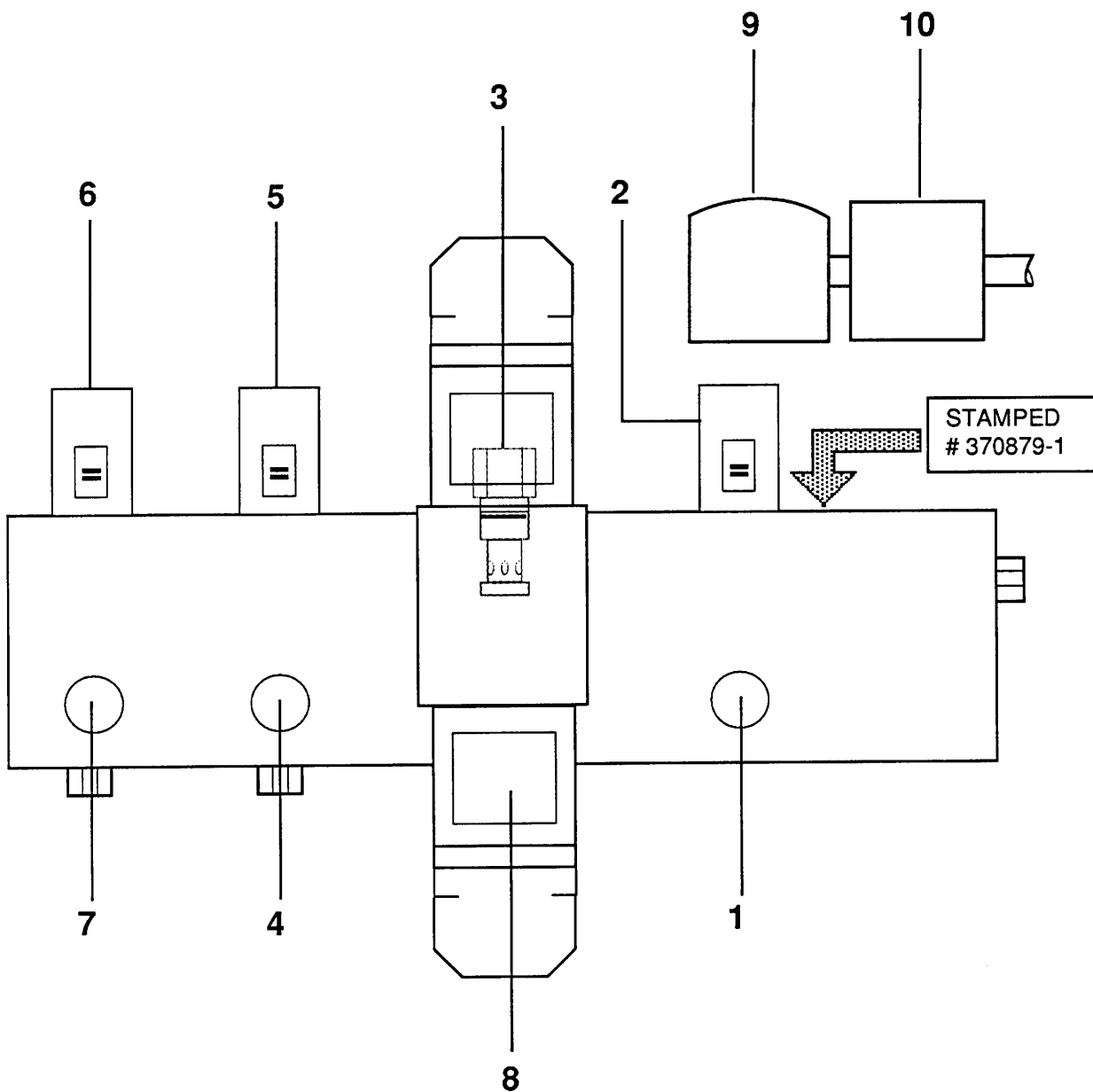
23.1

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

01-083000



TOP VIEW

TITLE	MANIFOLD (TYPE 2)		
SIMON AERIALS INC.	REV. 01/02/90	PART NO. 01-085800	PLATE NO. 23.2

PARTS LIST

[illegible]

TITLE

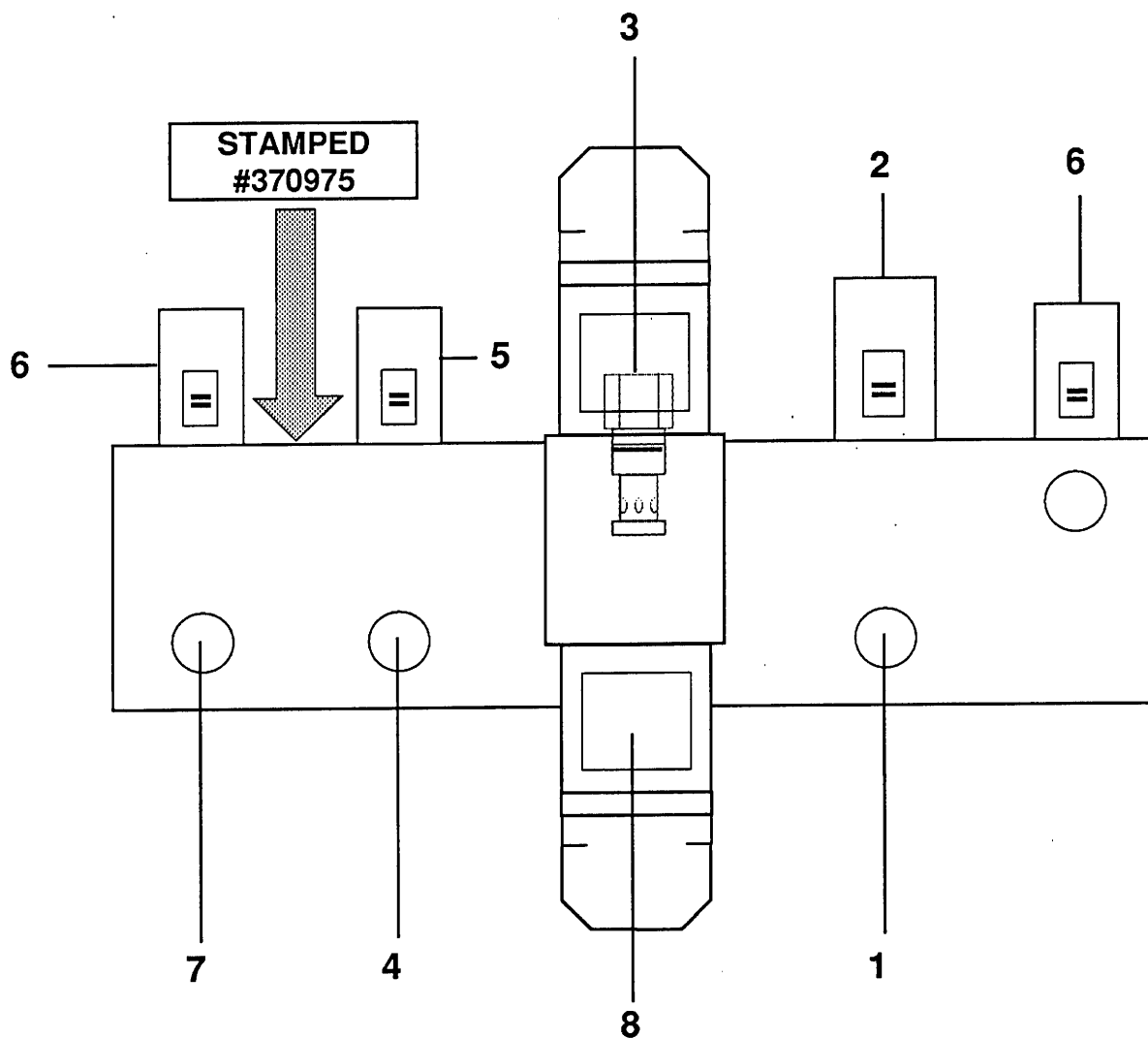
MANIFOLD (TYPE 2)

PLATE NO. 23.2

SIMON AERIALS INC.

REV. 01/02/90

PART NO.	01-085800
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TOP VIEW

TITLE

MANIFOLD (TYPE 3)

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

01-085900

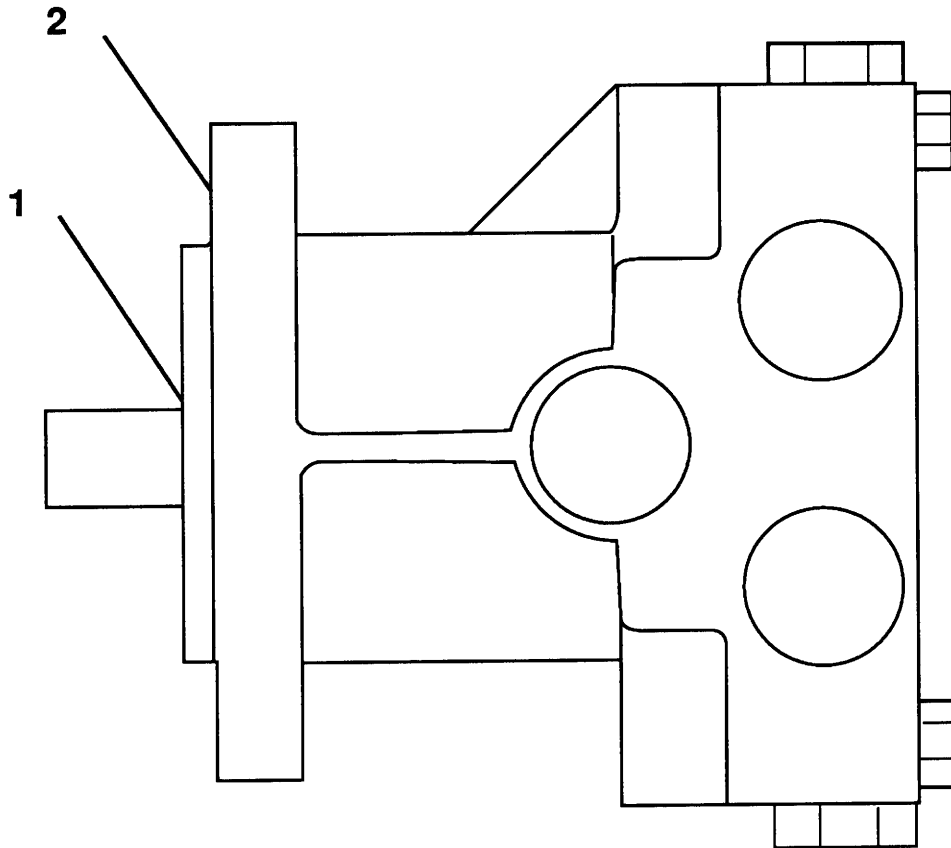
PLATE
NO.

23.3

[illegible]

TITLE	MANIFOLD (TYPE 3)
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PART NO.	01-085900
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TITLE

DRIVE MOTOR ASSEMBLY

SIMON AERIALS INC.

REV. 01/02/90

PART
NO.

01-079400

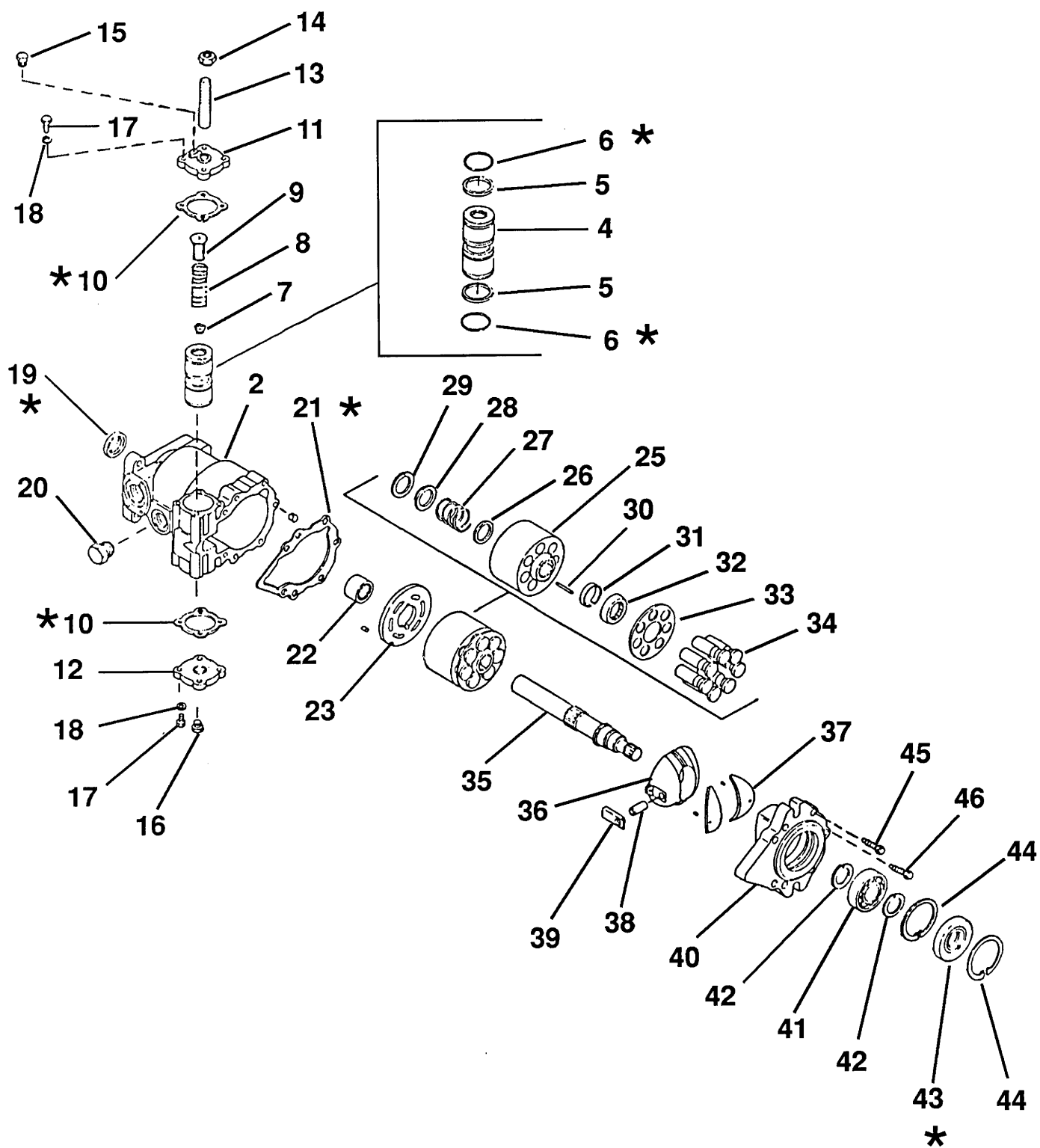
PLATE
NO.

26.1

[illegible]

TITLE	DRIVE MOTOR ASSEMBLY
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REV. 01/02/90	PART NO. 01-079400
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TITLE

HYDRAULIC MOTOR (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-088600

PLATE
NO.

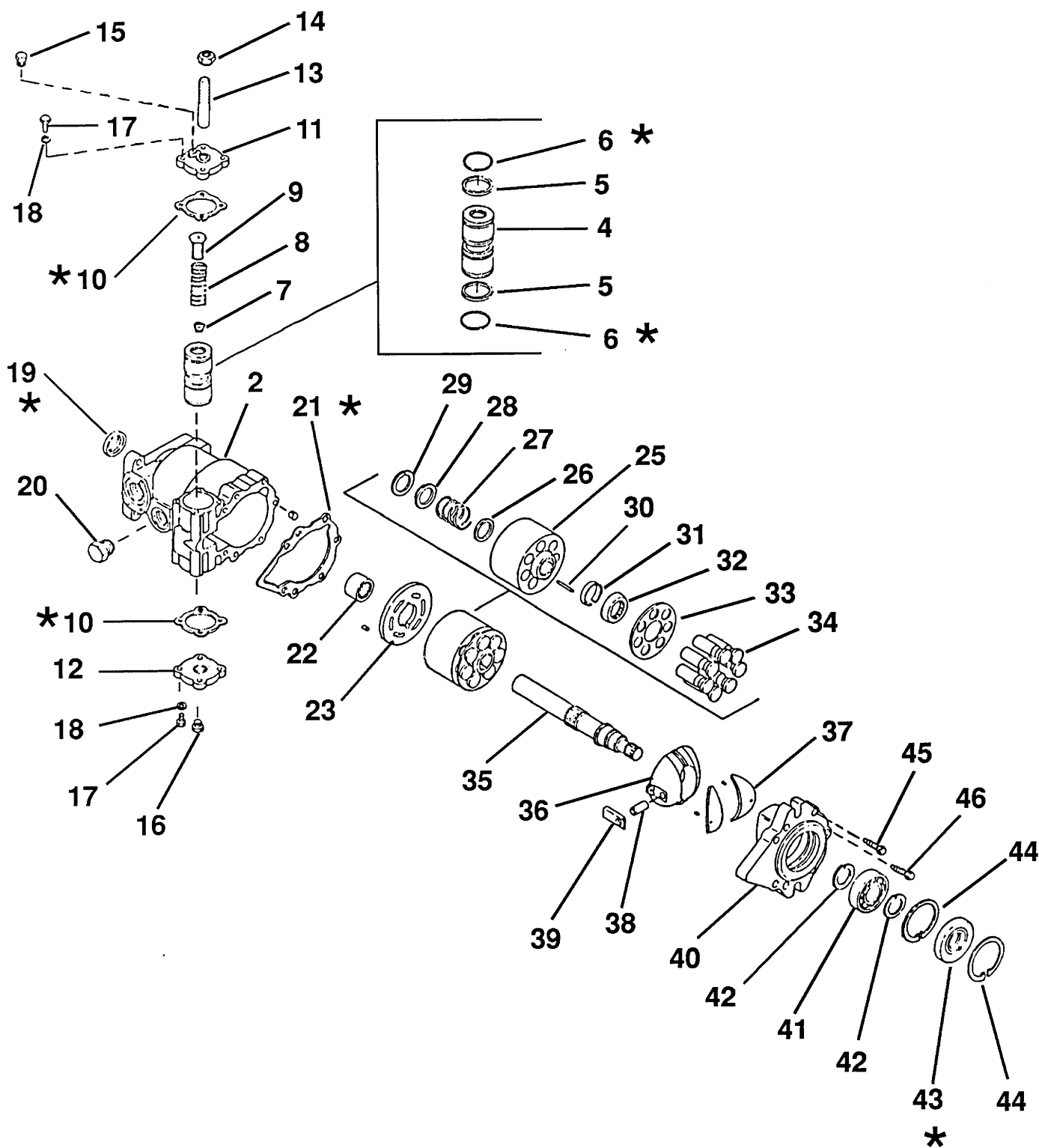
26.03

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 2 OF 2)

SIMON AERIALS INC.

REV. 19 AUG., 1993

PART
NO.

01-088600

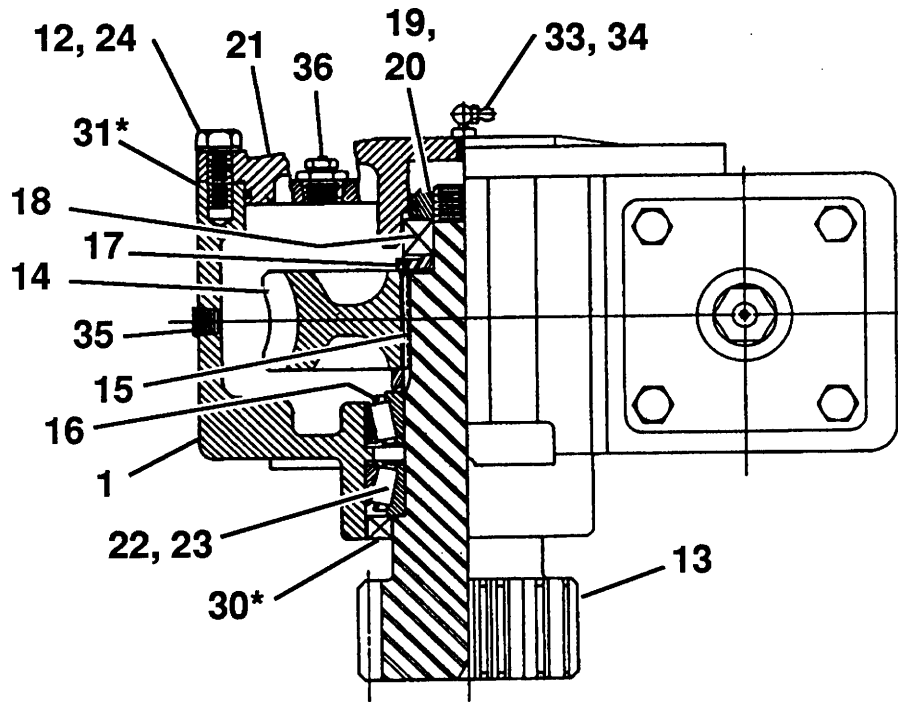
PLATE
NO.

26.03

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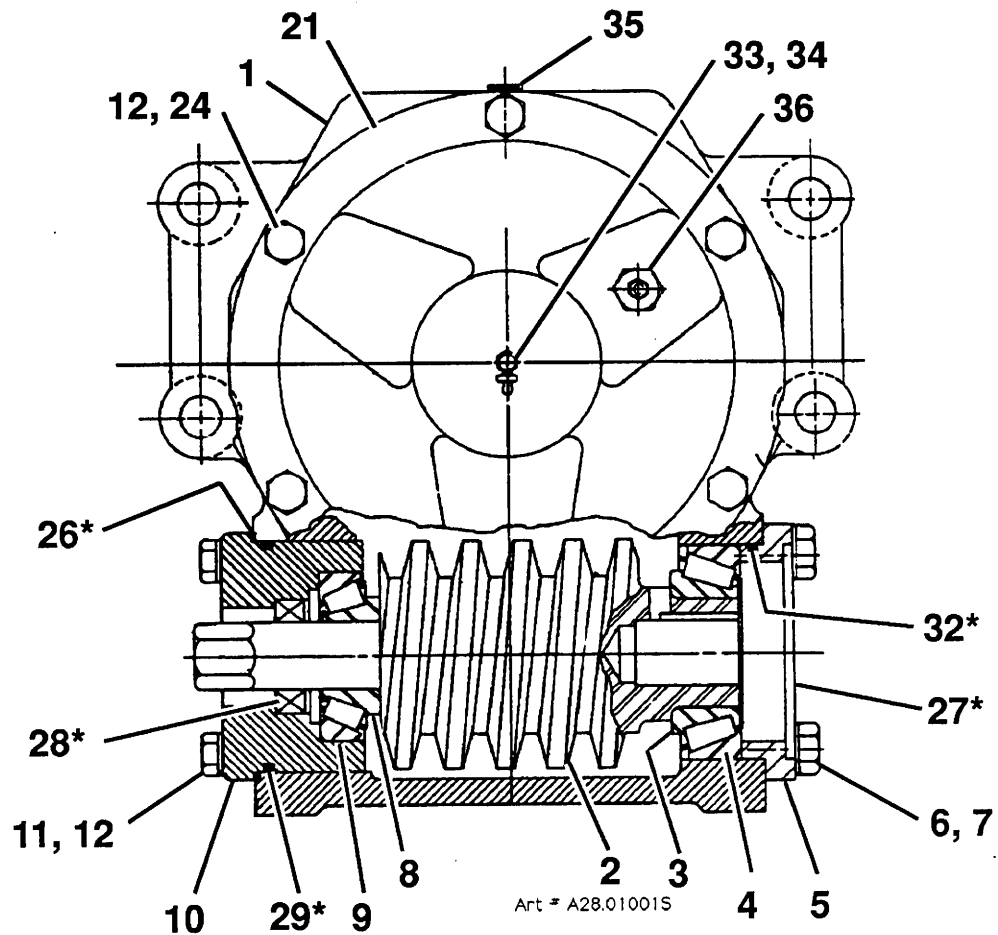
HYDRAULIC MOTOR (PLATE 2 OF 2)

01-088600



Art # A28.01002S

Cutaway view in direction of Arrow "A"



Art # A28.01001S

TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

NEW. 12/11/91

PART
NO.

02-022100

PLATE
NO.

28.01

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	02-022108		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			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	2
28	02-000431		SEAL, WORM SHAFT [1" (25 mm) I.D.]	1
29	02-000429		"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 (not used)	1
36	02-022117		PLUG, VENT	1

TITLE

SWING REDUCER ASSEMBLY

PLATE
NO.

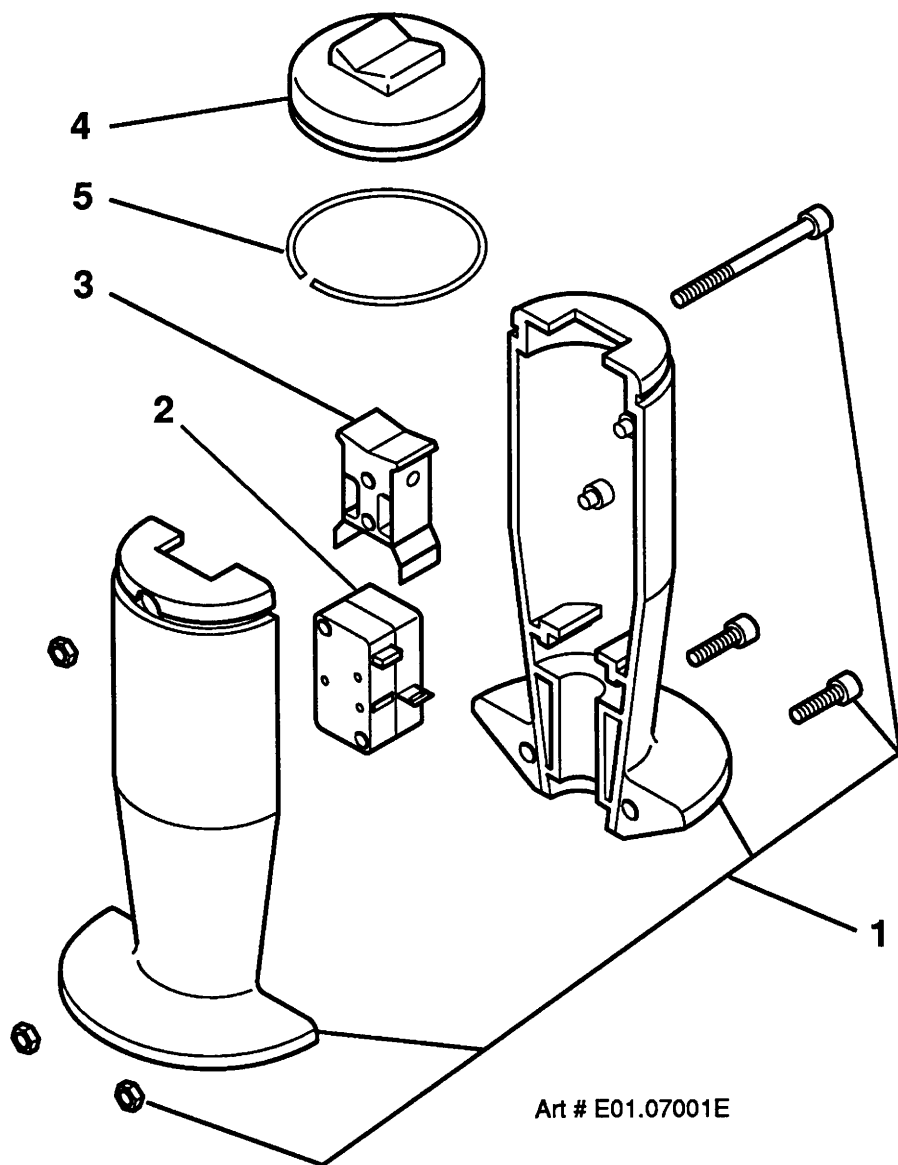
28.01

SIMON AERIALS INC.

REV. 09 SEP., 1993
THIS SHEET ONLY

PART
NO.

02-022100



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 09/11/91

PART
NO.

03-402200

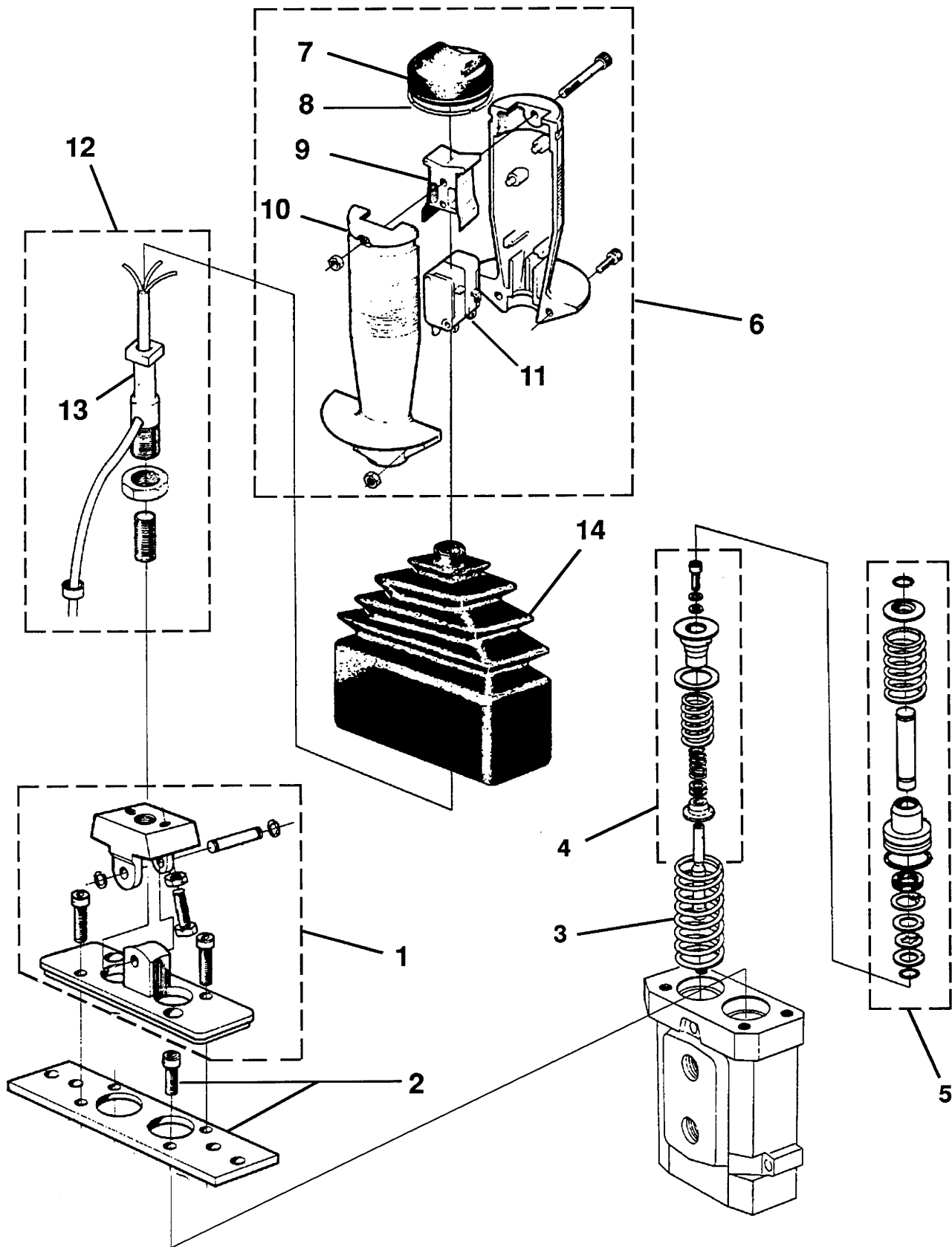
PLATE
NO.

29.04

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

03-402200



TITLE

VALVE, DRIVE CONTROLLER

SIMON AERIALS INC.

REV. 23 AUG., 1993

PART
NO.

01-083400

PLATE
NO.

29.05

PARTS LIST

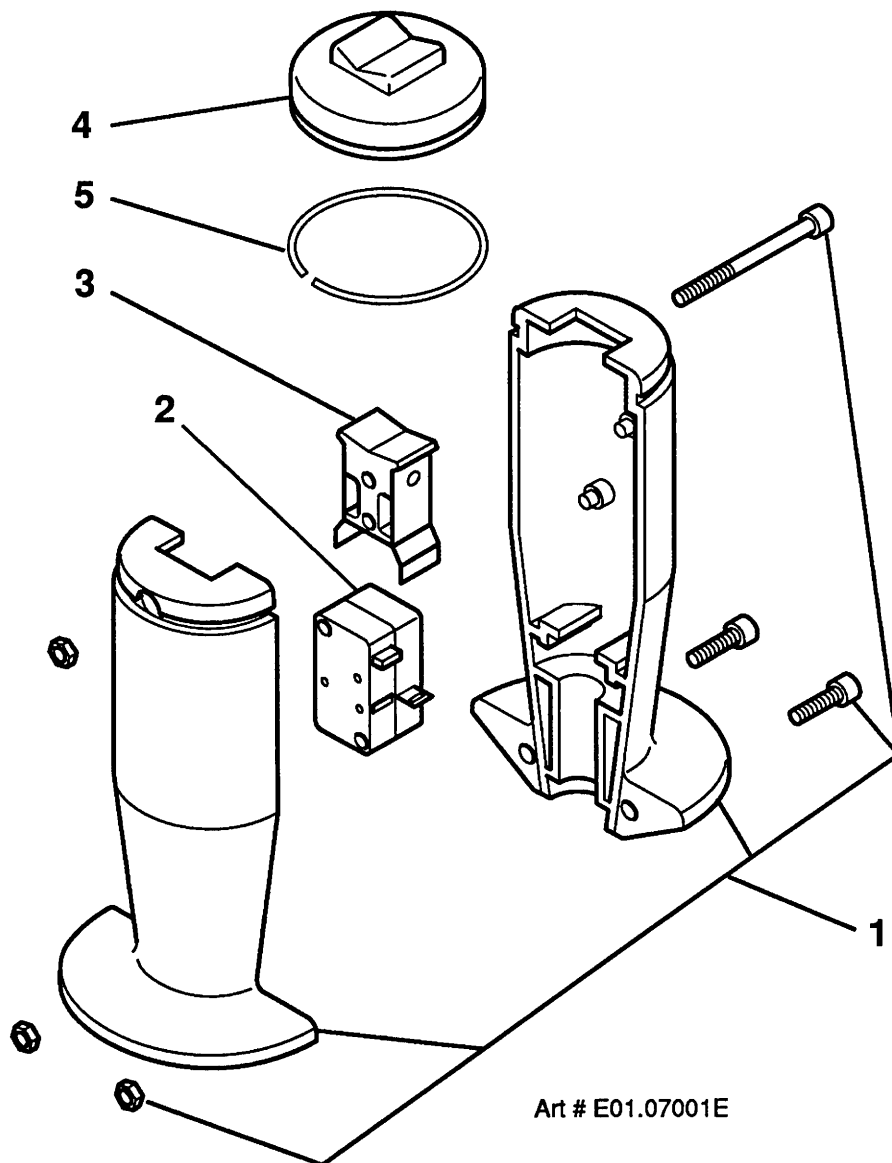
[illegible]

TITLE VALVE, DRIVE CONTROLLER

PLATE NO.	29.05	SIMON AERIALS INC.
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REV. 23 AUG., 1993

PART NO. 01-083400



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 09/11/91

PART
NO.

03-402200

PLATE
NO.

29.09

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

03-402200