

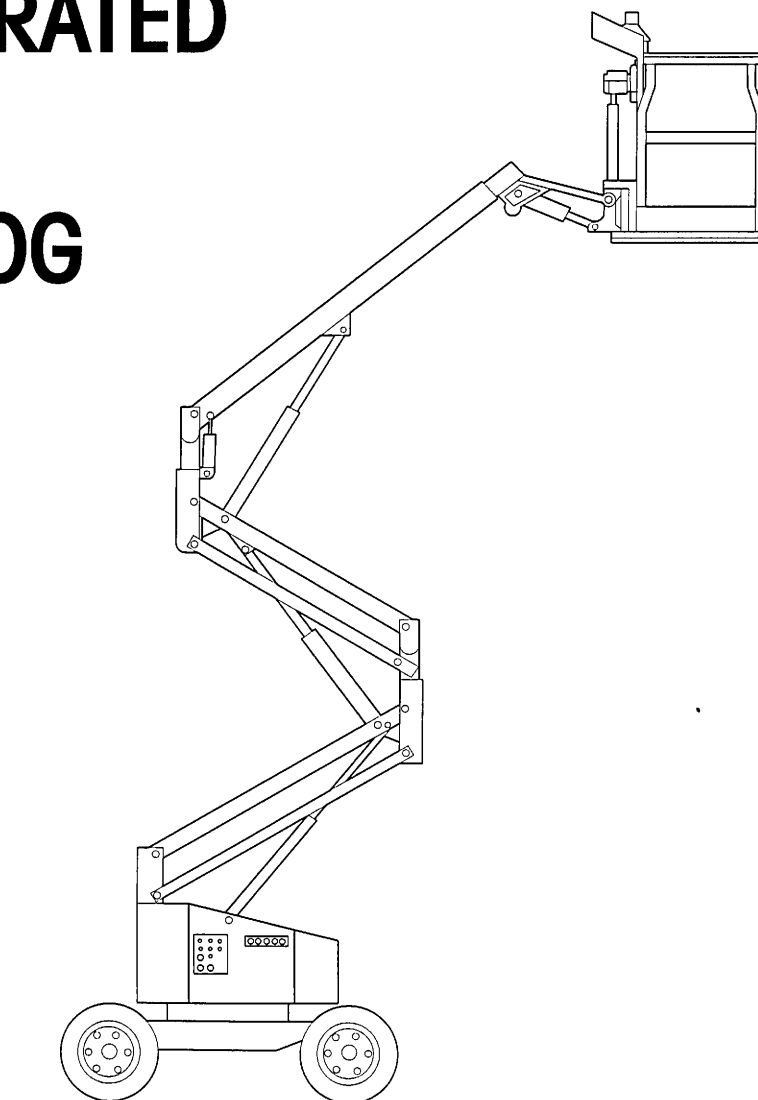
SILVER EAGLE (FUEL)

41/24 BELOW S/N W 5100

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-412515 • Revision "A.3" dated Sep. 1995 •

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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 MODEL 41/24 FUEL POWERED SILVER-EAGLE SELF-PROPELLED AERIAL WORK PLATFORMS with Serial Numbers below 5100. 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 the MODEL 41/24 FUEL POWERED SILVER-EAGLE machines below S/N 5100 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 "SEC." column, refer to the plate indicated for a further breakdown of components for that part number.

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

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

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

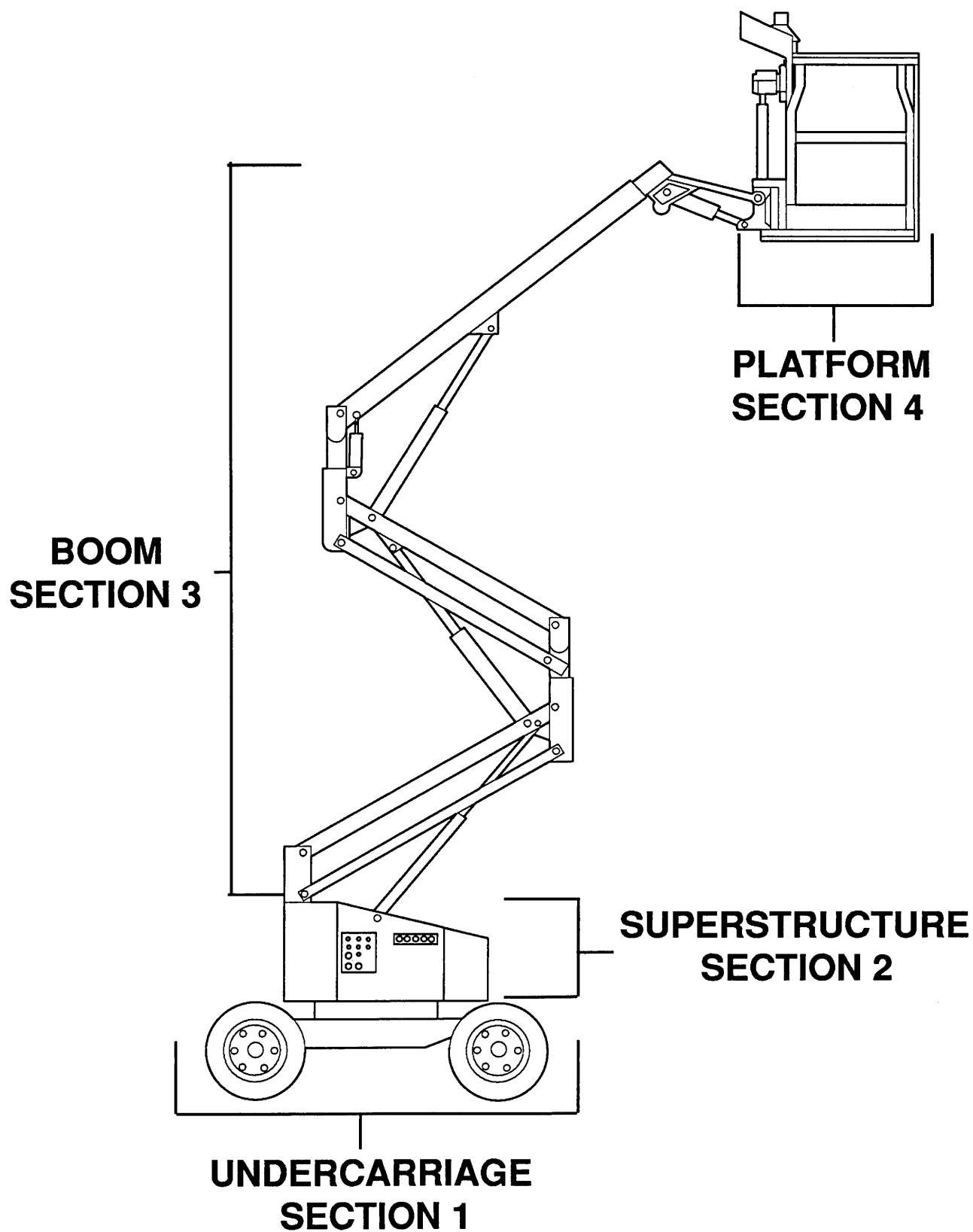
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

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

All SIMON AERIALS INC. manuals are periodically updated to reflect changes that occur in the equipment. Please contact Simon Aerials Technical Support Department for information regarding changes which may affect your machine, or for the latest edition of this catalog.



REV. 10/9/89

PARTS LIST

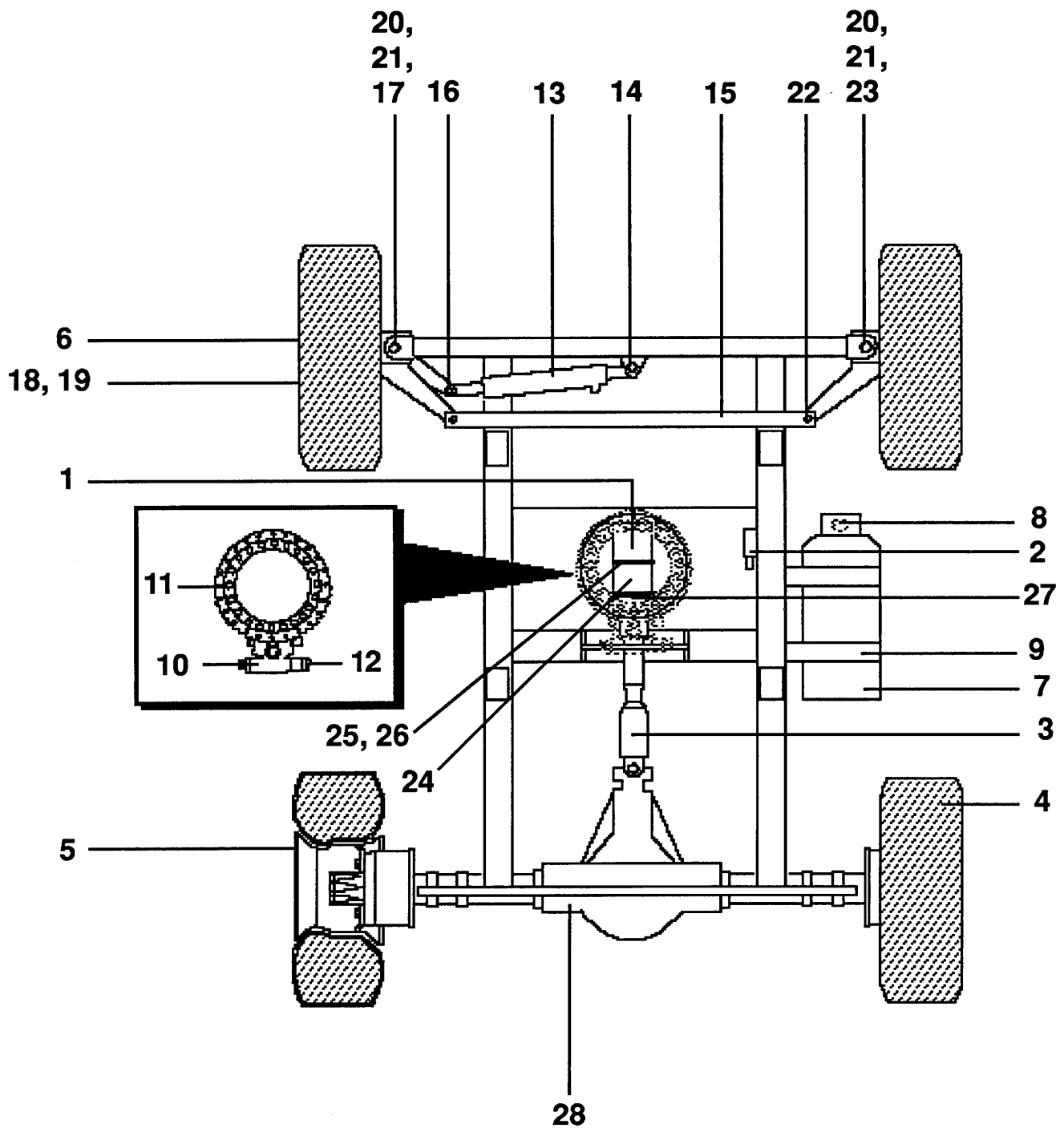
ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	01-079400	20.3	MOTOR, HYDRAULIC	1
2	01-082100		VALVE, RELIEF	1
3	02-024500		SHAFT, DRIVE	1
4	02-023200		TIRE	4
5	2136970		RIM, DRIVE	2
6	2136980		RIM, STEER	2
7	09-001500		TANK, PROPANE, 33LBS (DUAL FUEL AND PROPANE)	1
8	09-002100		COUPLING, PROPANE TANK (DUAL FUEL AND PROPANE)	1
9	09-025100		BRACKET, PROPANE TANK (DUAL FUEL AND PROPANE)	2
10	02-022100		GEAR BOX, SWING	1
11	08-064100		BEARING, SWING	1
12	01-084600		MOTOR, SWING	1
13	04-026800		CYLINDER, STEER	1
14	10-099300		PIN, STEER CYLINDER (BLOCK END)	1
15	10-095700		TIE ROD	1
16	10-098900		PIN, STEER CYLINDER (ROD END)	1
17	02-024400		SPINDLE ASSEMBLY, LEFT HAND	1
18	10-099000		ADAPTER, WHEEL	2
19	10-099001		NUT, WHEEL	12
20	08-064700		RING, RETAINING	4
21	10-099100		PIN, SPINDLE	2
22	10-099200		PIN, TIE ROD	2
23	02-024300		SPINDLE ASSEMBLY, RIGHT HAND	1
24	02-024200		BRAKE	1
25	2159020		PLATE, ADAPTER (MOTOR TO BRAKE)	1
26	01-097000		SEAL, OIL (METRIC)	1
27	02-026100		REDUCER, SPEED	1
28	02-022200	19.1	AXLE, DRIVE	1

DESCRIPTION

REV. 10/9/89

PART NO.

UNDERCARRIAGE ASSEMBLY (41/24 GAS)



DESCRIPTION

UNDERCARRIAGE ASSEMBLY (41/24 GAS)

REV. 10/9/89

PART NO.

PARTS LIST

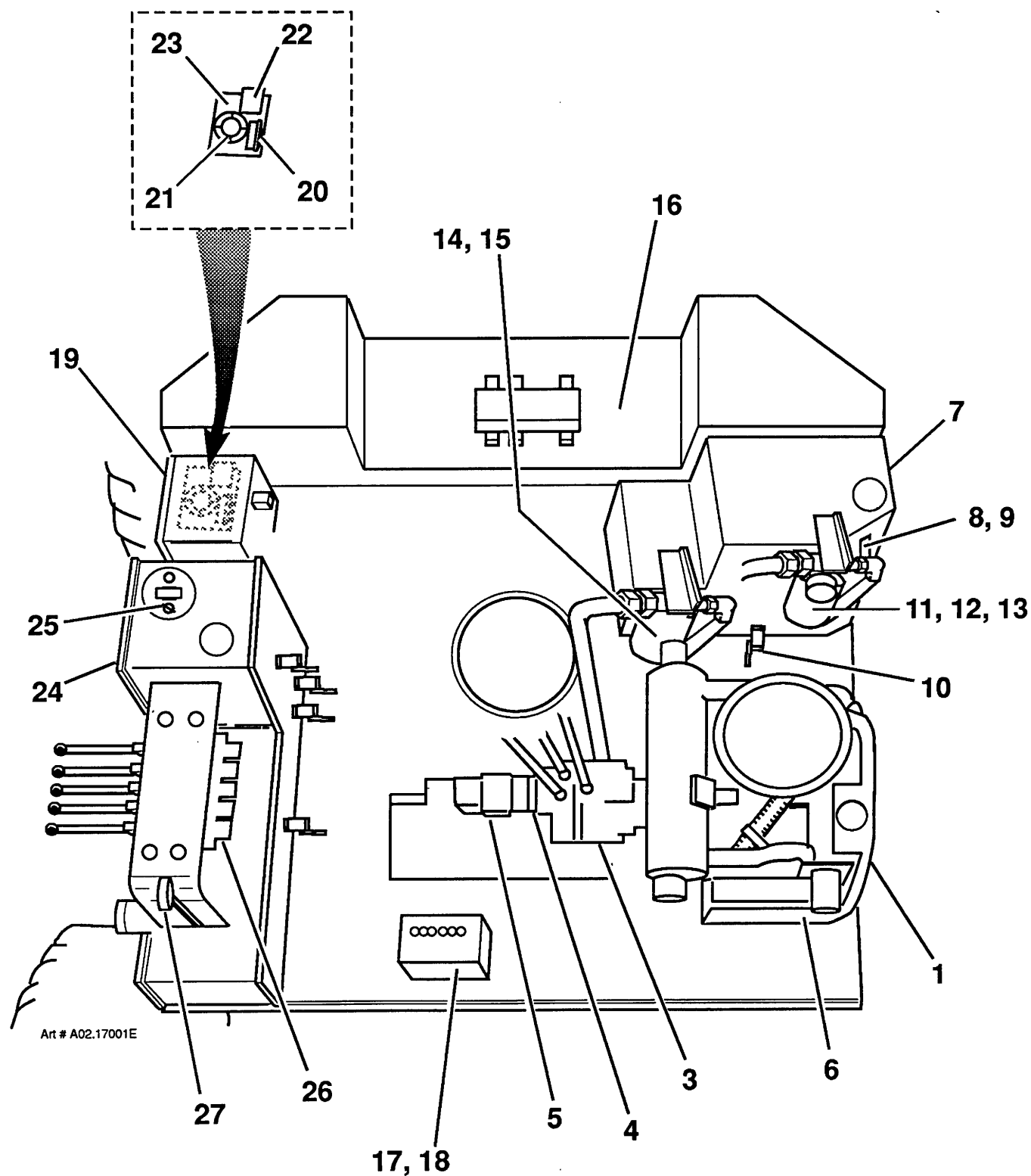
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1		08.11	ENGINE ASSEMBLY, GAS (Onan P 224) (shown)	1
	3516520	08.10	ENGINE ASSEMBLY, DIESEL (Perkins Model 3.10)	1
2	See plate . .	12.05	PUMP ASSEMBLY, HYDRAULIC	1
3	01-079300	12.02	PUMP, HYDRAULIC	1
4	01-079800		ADAPTER, TANG DRIVE	1
5	01-080300		PUMP, HYDRAULIC TANDEM	1
6	03-051300		RELAY (Single pole, single throw)	2
7			TANK ASSEMBLY, FUEL	1
8	05-010008		TUBE, FUEL GAUGE (3/8" I.D. tubing)	
			[Bulk item, order as needed. 1-1/2 Ft (45.7 cm) used here]	A.R.
9	05-010011		ELBOW, FUEL GAUGE (1/2" NPT)	2
10	01-032800		VALVE, SHUTOFF (1/4" NPT)	1
11	01-080500		FILTER ASSEMBLY, RETURN LINE	1
12	01-080501		INDICATOR, FILTER	1
13	01-080502		ELEMENT, RETURN LINE FILTER	1
14	01-082000		FILTER ASSEMBLY, SUCTION LINE	1
15	01-082001		ELEMENT, SUCTION LINE FILTER	1
16	01-086900	23.6	MANIFOLD ASSEMBLY, HYDRAULIC	1
17	03-010001		BATTERY (12 Volt, 700 Amp)	
			[replaces 03-423200 (505 Amp) battery]	1
18	03-064300		HOLD DOWN, BATTERY (for 700 Amp battery)	1
	03-423300		CLAMP, BATTERY HOLD DOWN (for 505 Amp battery)	2
19	3515400	7.13	BOX ASSEMBLY, GROUND CONTROL	1
20	03-036100		HORN (12 Volt DC)	1
21	03-038100		SENSOR, LEVEL (4-1/2", 2 second delay)	1
22	03-038300		ALARM, BACKUP	1
23	2130900		BRACKET, ALARM MOUNTING	1
24			TANK ASSEMBLY, HYDRAULIC	1
25	01-066100		PUMP, EMERGENCY HAND	1
26	See plate . .	6.8	GROUND VALVE BANK ASSEMBLY	1
27	01-021000		GAUGE, HYDRAULIC PRESSURE (0 to 4000 PSI, 1/4" Male NPT)	1
			The following items are not shown:	
28	10-113700		DOOR, ENGINE SIDE	1
29	10-113800		DOOR, CONTROL SIDE	1
30	10-106800		HINGE KIT (includes one pin half and one socket half)	4
31	07-080004		PIN, HITCH (1-1/4" x 7")	1

TITLE SUPERSTRUCTURE ASSEMBLY, SILVER EAGLE 41/24 (FUEL)

PLATE NO. 02.17 **SIMON AERIALS INC.**

REV. 30 AUG., 1993

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, SILVER EAGLE 41/24 (FUEL)

SIMON AERIALS INC.

REV. 30 AUG., 1993

PART
NO.

PLATE
NO.

02.17

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			UPPER POST WELDMENT	1
2			BOOM WELDMENT, UPPER BASE	1
3	2158540		COVER, HOSE	1
4	10-100100		PIN, HEADED (Upper boom pivot)	1
5			SCREW	2
6	04-026900		CYLINDER, LIFT	1
7	08-059100		BUSHING, LIFT CYLINDER (case end)	2
8	10-099900		PIN, HEADED (Upper boom lift cylinder, case end)	1
9			SCREW	2
10	10-099900		PIN, HEADED (Upper boom lift cylinder, rod end)	1
11			SCREW	2
12			BOOM WELDMENT, UPPER TIP	1
13	10-092900		ANCHOR, MOVING (includes cover)	1
14	10-092901		COVER, MOVING ANCHOR	1
15	08-063500		CARRIER, HOSE	1
16	08-063502		FOOT, HOSE CARRIER (set of two)	2
17	04-027200		CYLINDER, TELESCOPE	1
18	08-064900		BUSHING	4
19	04-027201		CARTRIDGE, TELESCOPE CYLINDER HOLDING VALVE	1
20	10-083900		PIN, TELESCOPE CYLINDER (Case end)	1
21	10-081700		PIN, TELESCOPE CYLINDER (Rod end)	1
22			RING, RETAINING	4
23	10-100300		PAD, UPPER WEAR (upper end of base boom)	2
24	10-100700		PAD, LOWER WEAR (upper end of base boom)	2
25	10-100400		PAD, UPPER WEAR (lower end of tip boom)	2
26	10-100600		PAD, LOWER WEAR (lower end of tip boom)	2
27	10-100200		PAD, SIDE WEAR (upper end of base boom)	2
28	10-100500		PAD, SIDE WEAR (lower end of tip boom)	2
29	04-027000		CYLINDER, MASTER LEVELING	1
30	10-100000		PIN, HEADED (Master leveling cylinder, case end)	1
31	10-082200		PIN, HEADED (Master leveling cylinder, rod end)	1
32	04-027100		CYLINDER, SLAVE LEVELING	1
33	10-100000		PIN, HEADED (Slave leveling cylinder, case end)	1
34	10-082500		PIN, HEADED (Slave leveling cylinder, rod end)	1
35	08-044700		BUSHING	8
36			SCREW	8

TITLE UPPER BOOM ASSEMBLY, SILVER EAGLE

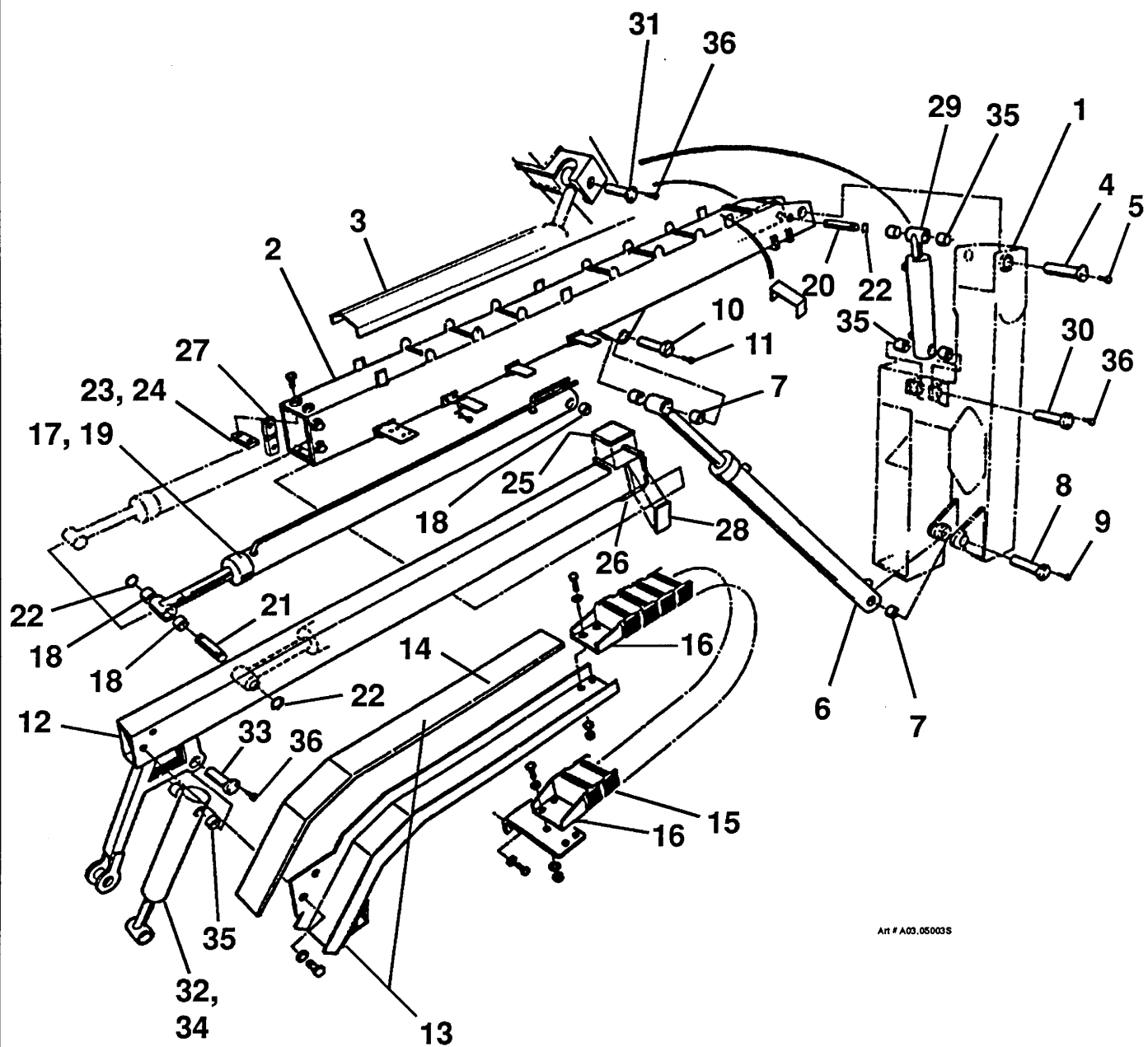
PLATE
NO.

03.07

SIMON AERIALS INC.

REV. 11/08/91

PART
NO.



Alt # A03.05003S

TITLE

UPPER BOOM ASSEMBLY, SILVER EAGLE

SIMON AERIALS INC.

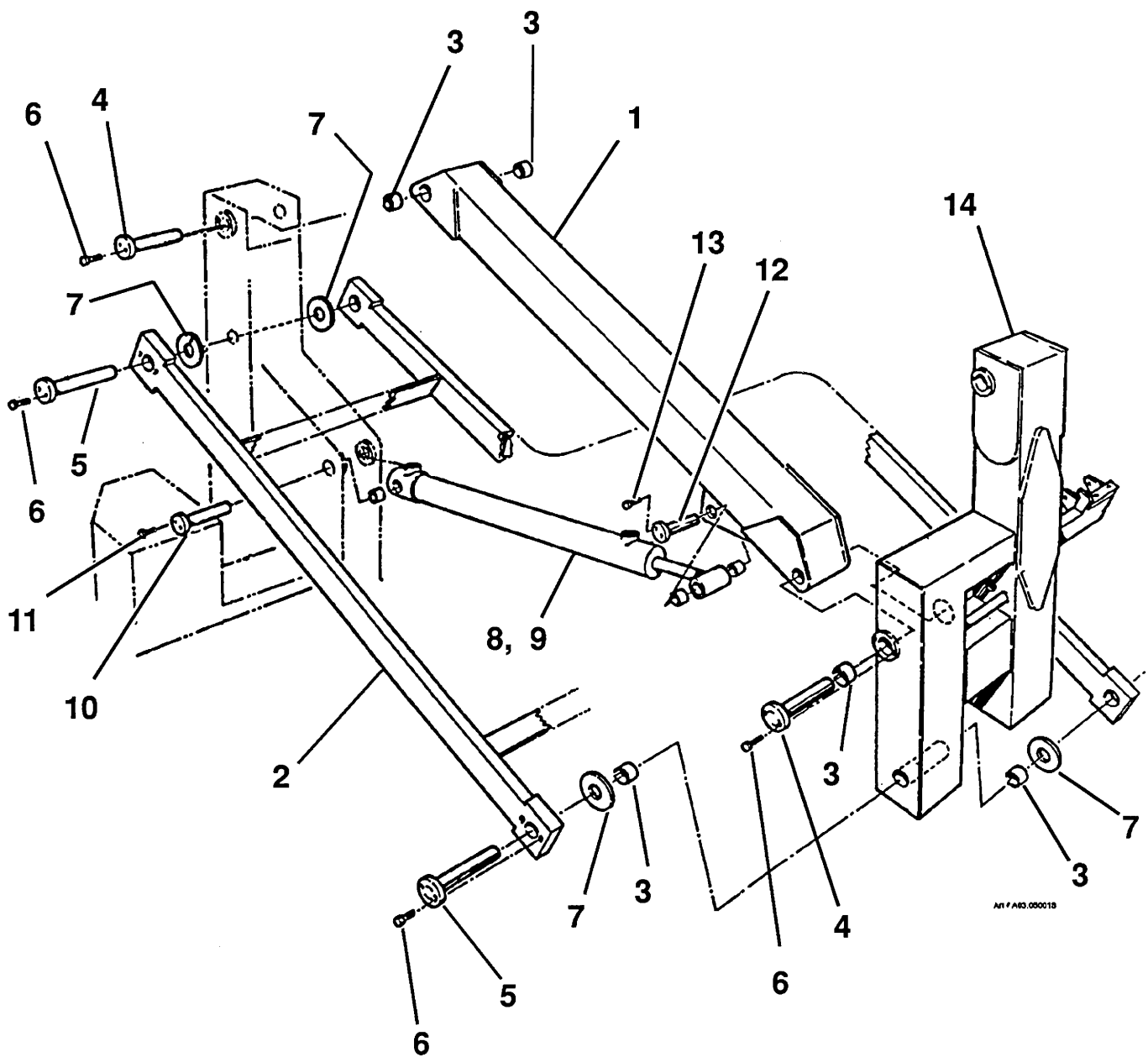
REV. 11/08/91

PART
NO.

PLATE
NO.

03.07

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TITLE

LOWER BOOM ASSEMBLY, (SILVER EAGLE)

SIMON AERIALS INC.

REV. 11/08/91

PART
NO.

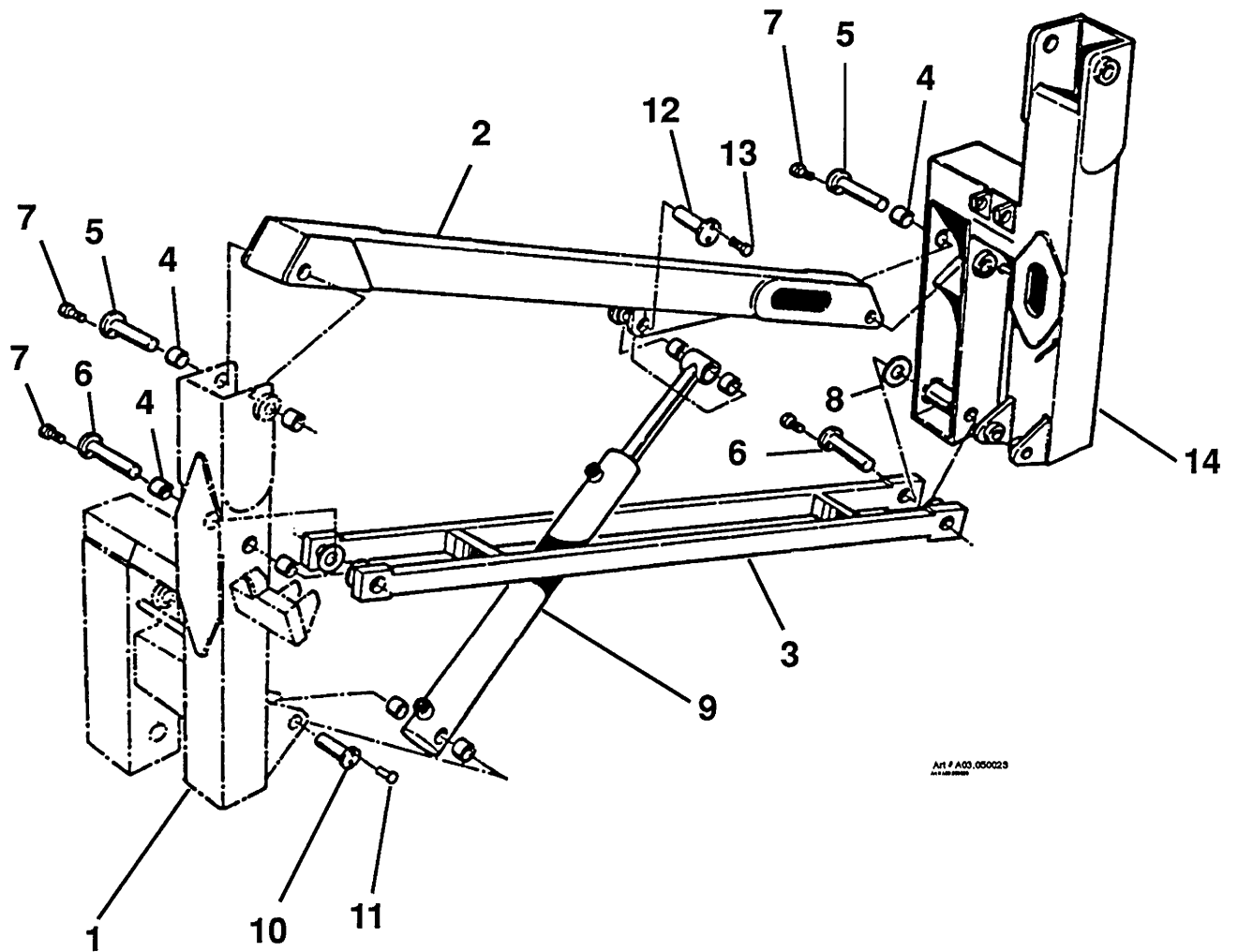
PLATE
NO.

03.08

[illegible]

PLATE NO.	03.09	SIMON AERIALS INC.
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PART
NO.



Art # A03 050023
JUL 1999

TITLE MIDDLE BOOM ASSEMBLY, 41/24 SILVER EAGLE

SIMON AERIALS INC.

REV. 11/08/91

PART
NO.

PLATE
NO.

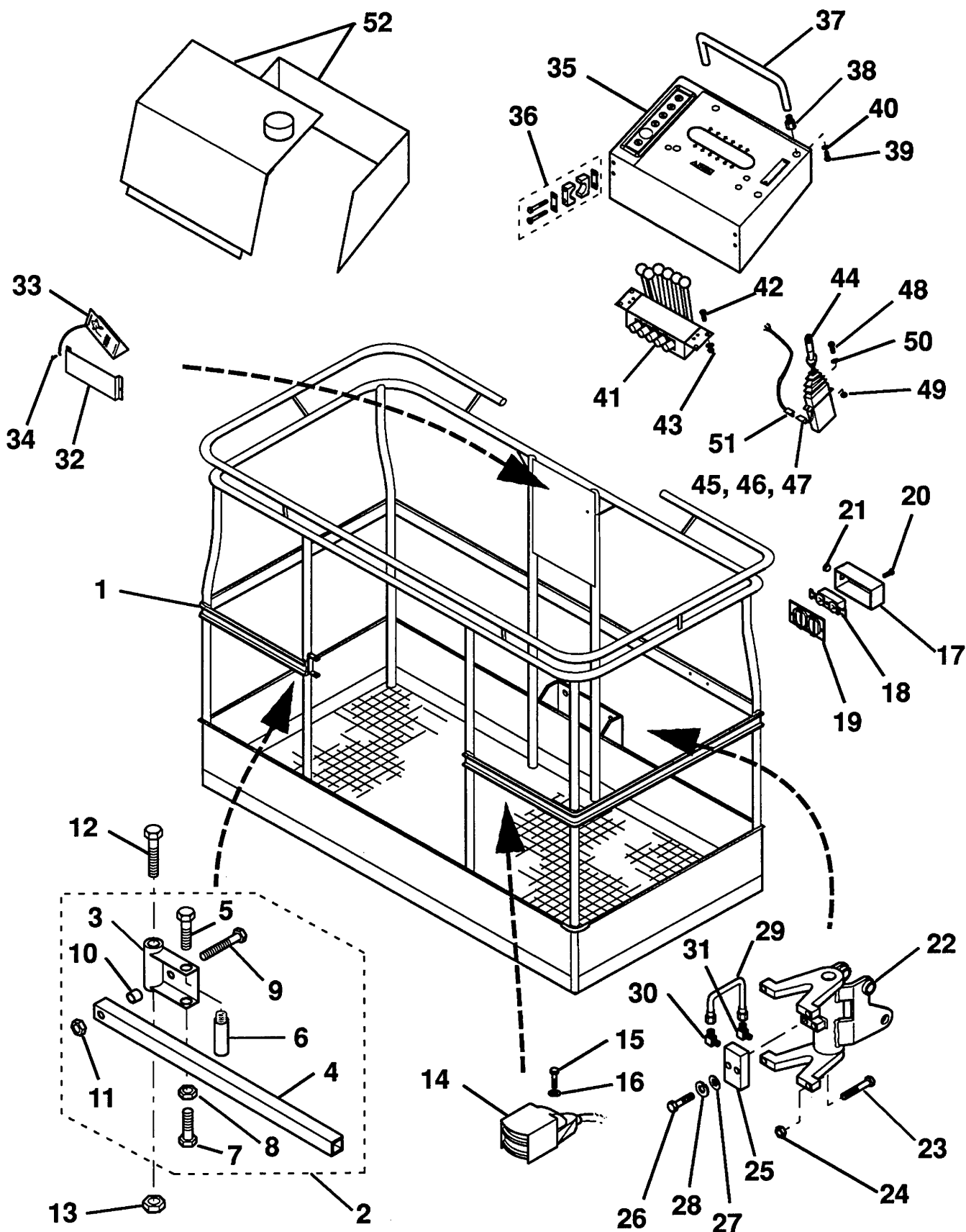
03.09

PARTS LIST

ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
1	2140290		PLATFORM WELDMENT	1
2	3514160		BAR ASSEMBLY, LATCH	1
3			HINGE AND BRACKET WELDMENT	1
4	2041649		BAR, LATCH	1
5	07-003042		SCREW, HEX HEAD (3/8"-16 x 5/8", Grade 5)	1
6	08-010100		SPRING AND TUBE ASSEMBLY	1
7	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
8	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
9	07-003047		SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
10	2108380		SPACER	1
11	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
12	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
13	07-058400		NUT, LUG (1/2"-13, Grade 8)	1
14	03-027900		SWITCH, FOOT (Double pole)	1
15	07-003003		SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
16	07-065014		WASHER, HELICAL LOCK (1/4")	2
17	03-062100		BOX, DUPLEX OUTLET	1
18	03-067000		OUTLET, DUPLEX (110 Volt AC)	1
19	03-062200		COVER, DUPLEX OUTLET	1
20	07-003002		SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
21	03-063300		GRIP, CORD (1/2", Sealing)	1
22	02-023700	21.02	ACTUATOR, ROTARY	1
23	07-004092		SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4
24	07-058400		NUT, LUG (1/2"-13, Grade 8)	4
25	01-001900		VALVE, CHECK (Pilot operated)	1
26	07-003049		SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	2
27	07-062016		WASHER, FLAT (3/8")	2
28	07-065016		WASHER, LOCK (3/8")	2
29	2144710		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2
30	06-044300		ELBOW, STRAIGHT THREAD (4 C50X)	2
31	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X)	2
32	2164110		POCKET, QUICK REFERENCE MANUAL	1
33	89-440003		MANUAL, QUICK REFERENCE ("Constructor" Series)	1
	89-410023		MANUAL, QUICK REFERENCE ("Silver Eagle" Series)	1
34	07-029365		SCREW, HEX WSHR.HD. (#12 x 1", Self drill, w/ rubber seal)	2

TITLE PLATFORM ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	04.06	SIMON AERIALS INC.	REV. 06/01/90	PART NO. A-D 3515200
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TITLE

PLATFORM ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 06/01/90

PART
NO.

A-D 3515200

PLATE
NO.

04.06

PARTS LIST

ITEM	PART NO	SEE SECT.	DESCRIPTION	QTY.
35	2140350		CONSOLE WELDMENT, CONTROL	1
36	10-084200		GROMMET, SHOCK ABSORBER	2
37	2133020		BAR, GRAB	2
38	2114330		PLUG (Modified 12 PNTX)	4
39	07-003085		SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
40	07-065018		WASHER, HELICAL LOCK (1/2")	4
41	01-086200	06.07	VALVE BANK ASSEMBLY, PLATFORM (Type 1, for 41/24)	1
	01-092000	06.09	VALVE BANK ASSEMBLY, PLATFORM (Type 1, for AT30)	1
	01-086200	06.07	VALVE BANK ASSEMBLY, PLATFORM (Type 1, for AT40)	1
	2162790	06.10	VALVE BANK ASSEMBLY, PLATFORM (Type 1, for AT60) Note: On a "Type 1" assembly, the brackets mounting the valve bank to the platform control console are "L" shaped.	1
	01-098800	06.13	VALVE BANK ASSEMBLY, PLATFORM (Type 2, for 32/21)	1
	01-098800	06.15	VALVE BANK ASSEMBLY, PLATFORM (Type 2, for 41/24)	1
	01-098800	06.13	VALVE BANK ASSEMBLY, PLATFORM (Type 2, for AT30)	1
	01-098800	06.15	VALVE BANK ASSEMBLY, PLATFORM (Type 2, for AT40)	1
	01-098800	06.17	VALVE BANK ASSEMBLY, PLATFORM (Type 2, for AT60) Note: On a "Type 2" assembly, the brackets mounting the valve bank to the platform control console are flat.	1
42	07-003046		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		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	2140390		COVER, CONTROL CONSOLE	1

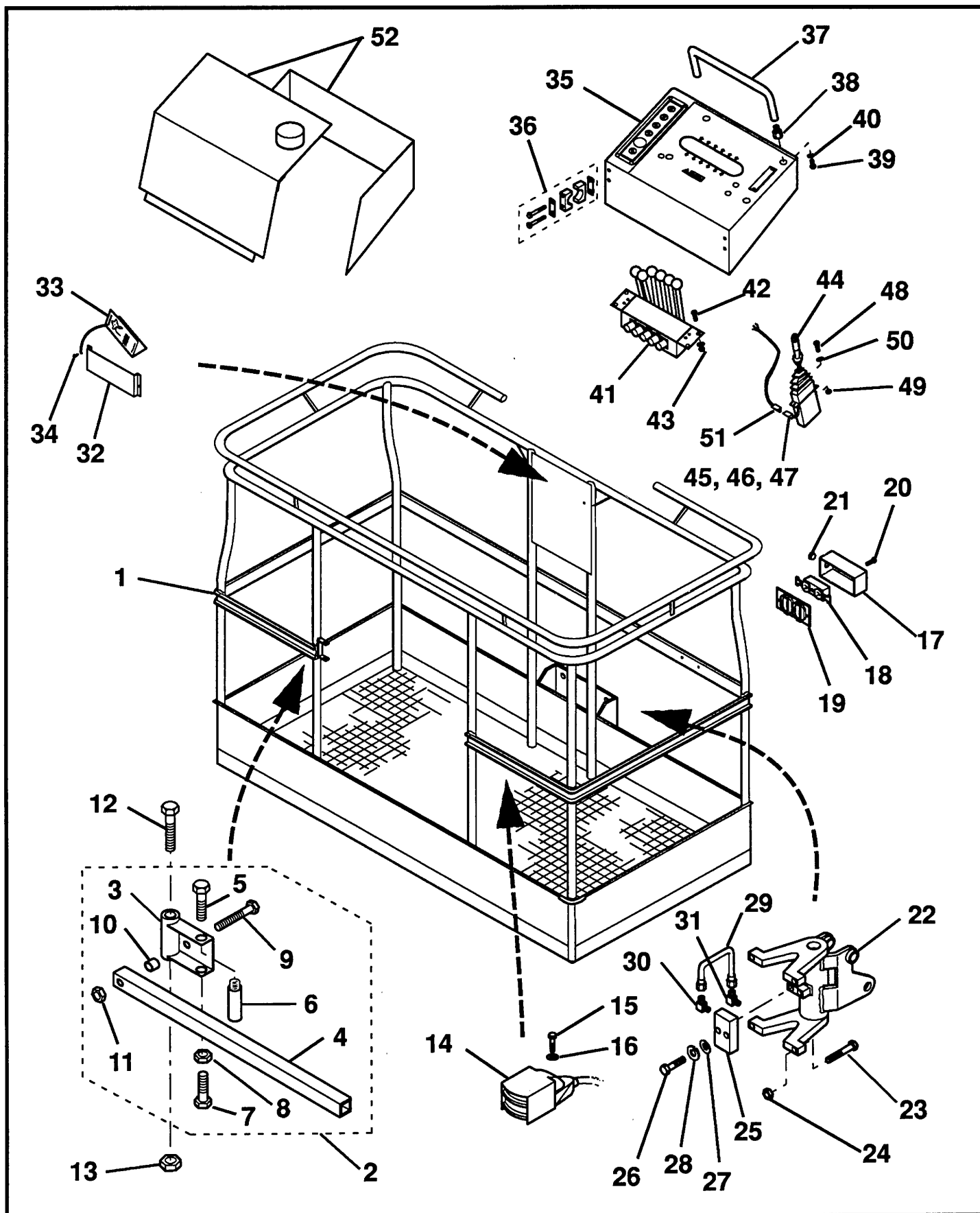
TITLE PLATFORM ASSEMBLY (PLATE 2 OF 2)

PLATE NO. 04.06

SIMON AERIALS INC.

REV. 06/01/90

PART NO. A-D 3515200



TITLE

PLATFORM ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 06/01/90

PART
NO.

A-D 3515200

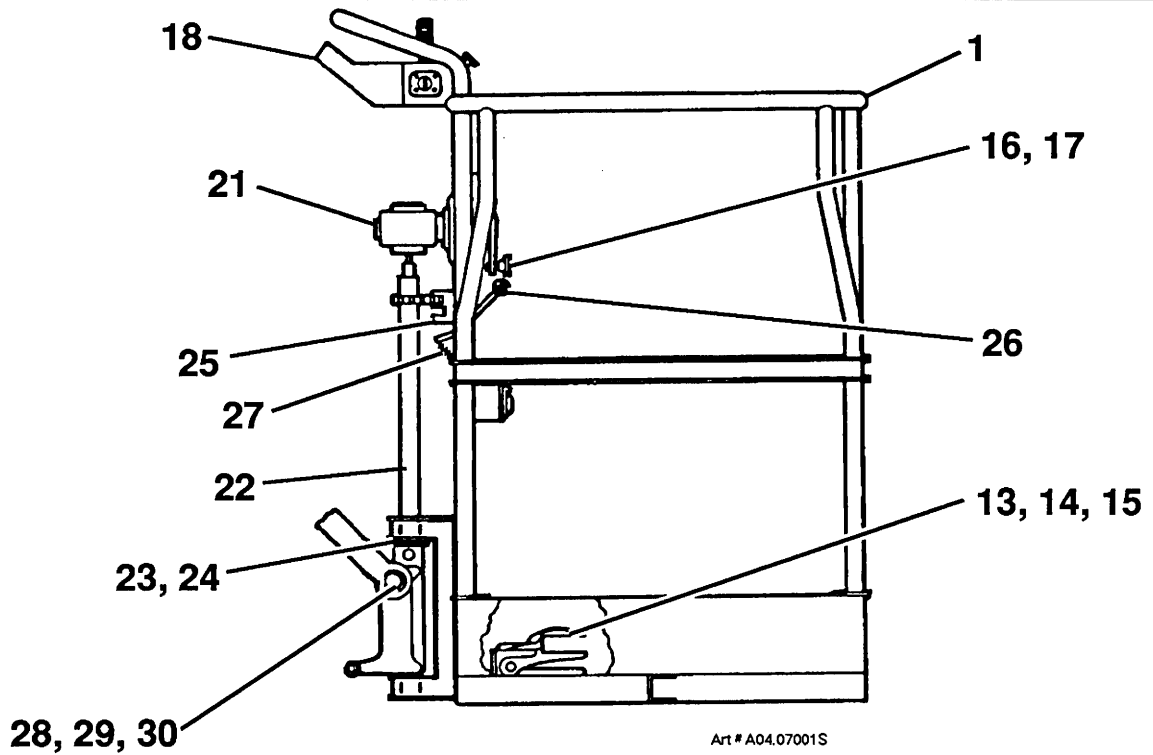
PLATE
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04.06

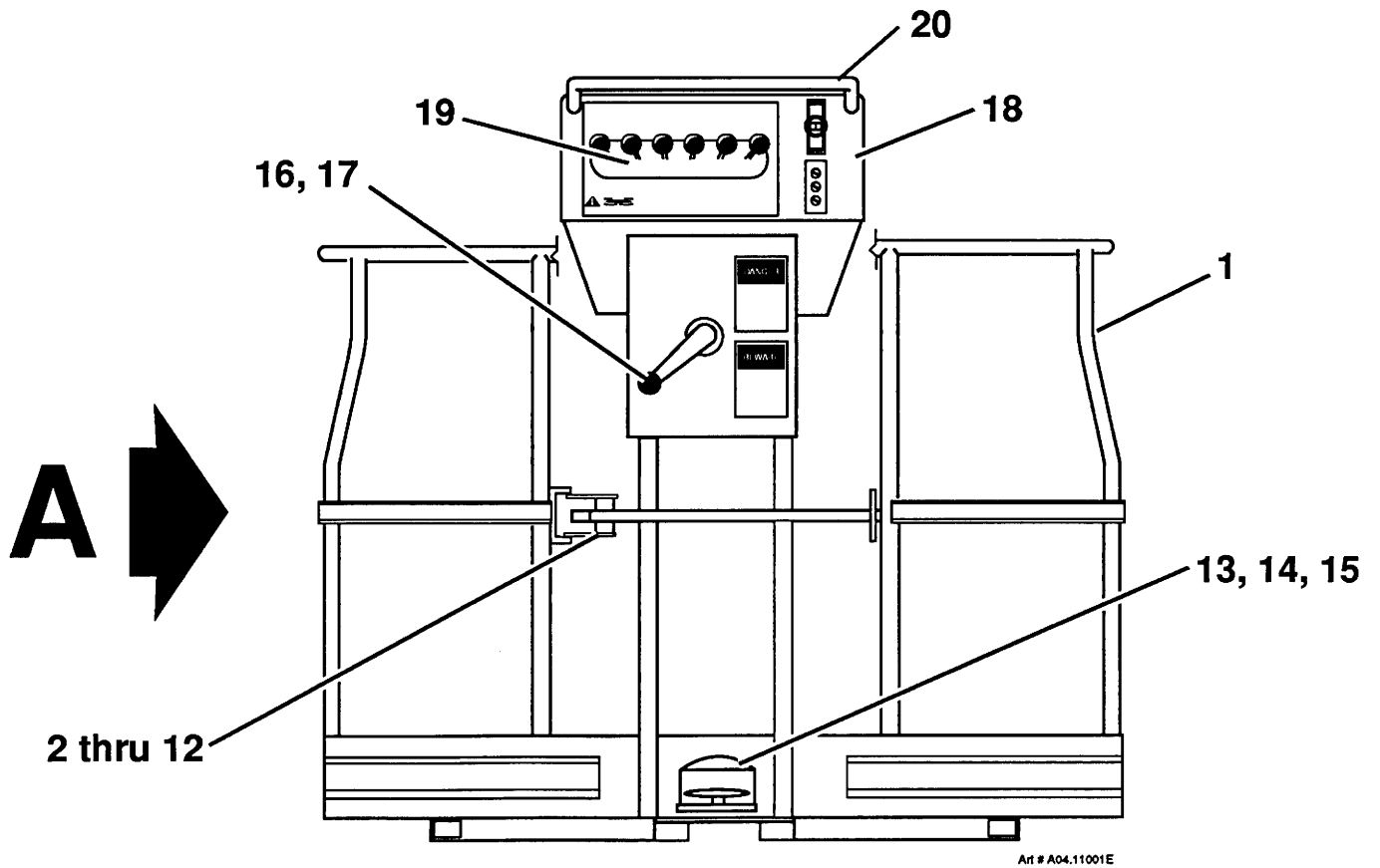
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2098130		PLATFORM WELDMENT	
	2173060		30" x 60" (.76 M x 1.5 M), with manual rotator	1
	2150540		30" x 48" (.76 M x 1.2 M), with hydraulic rotator	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	2098060		ARM, CRANK (Manual rotator)	1
17	10-064900		KNOB, CRANK ARM	1
18		9.16	CONSOLE ASSEMBLY, PLATFORM CONTROL	1
19		6.8	VALVE BANK ASSEMBLY, PLATFORM	1
20	2141640		BAR, GRAB	1
21			ROTATOR, PLATFORM	
	02-012400	21.01	with standard manual rotator (40:1 Speed reducer)	1
	2132120	21.03	with optional hydraulic rotator (not shown)	1
22	2102870		POST, PIVOT	1
23	08-014000		BEARING, SLEEVE	2
24	08-014100		WASHER, THRUST	1
25	2101710		LOCK, CAB PIVOT	1
26	10-042400		KNOB, PIVOT LOCK	1
27	10-067300		SPRING	1
28	10-082600		PIN, PLATFORM PIVOT	1
29	08-059100		BUSHING	2
30			RING, RETAINING	2

TITLE		PLATFORM ASSEMBLY		
PLATE NO.	04.11	SIMON AERIALS INC.	REV. 02 SEP., 1993	PART NO. 3515350



View in direction of arrow "A"



TITLE

PLATFORM ASSEMBLY

SIMON AERIALS INC.

REV. 02 SEP., 1993

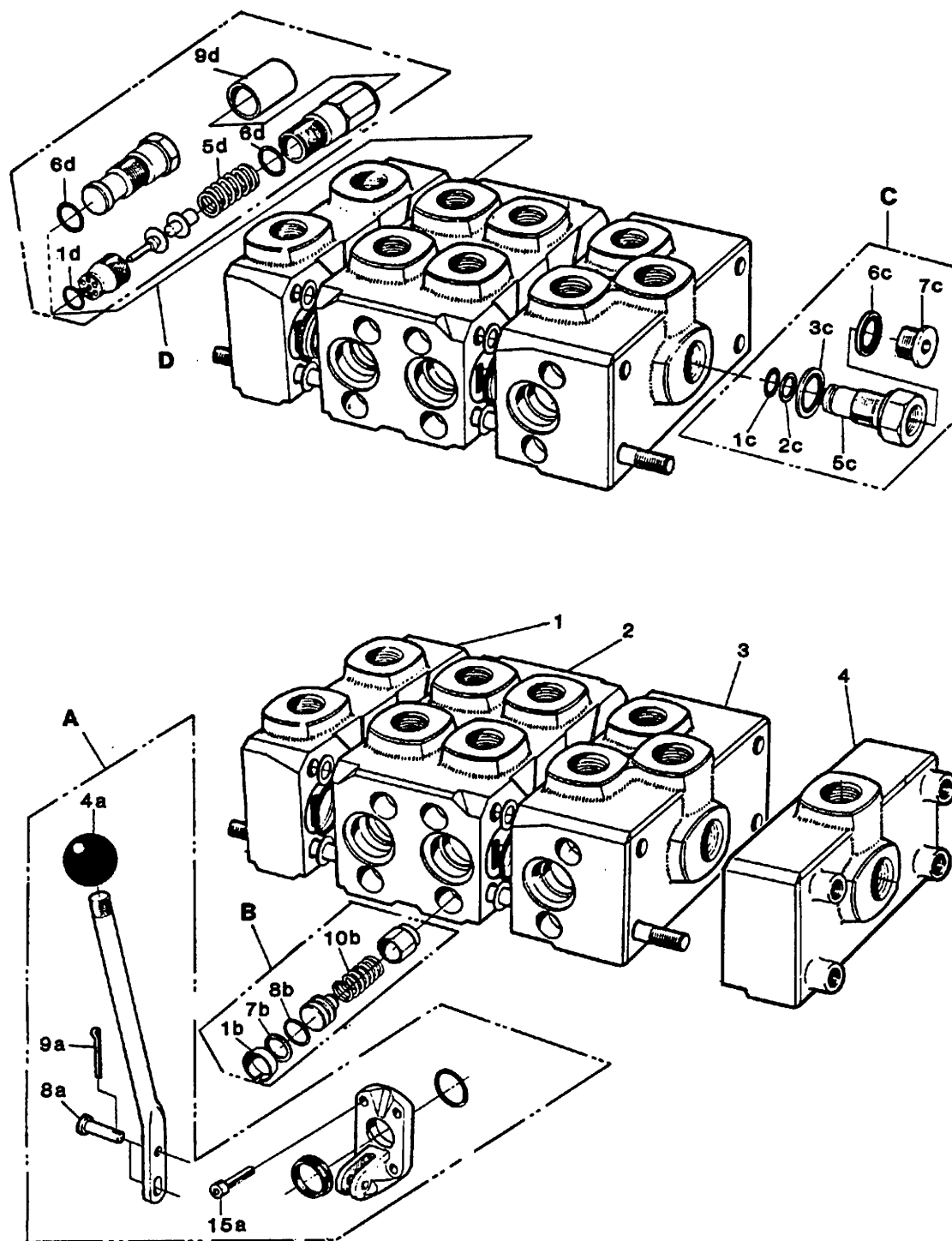
PART NO. **3515350**

PLATE NO. **04.11**

PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1			VALVE SECTION, INLET	1
2			VALVE SECTION, TELESCOPE & SWING	1
2			VALVE SECTION, LOWER & UPPER BOOM	1
2			VALVE SECTION, LEVEL & UPPER BOOM	1
3			VALVE SECTION, OUTLET & UPPER BOOM	1
4			VALVE SECTION, OUTLET	1
A	01-072701		LEVER ASSEMBLY, HAND	
4A	01-072702		BALL, LEVER	1
8A			BOLT	1
9A			PIN, COTTER	1
15A			SCREW	2
B	01-072704		CHECK VALVE ASSEMBLY	
1B			CAP, PROTECTIVE	1
7B			RING, BACK-UP	1
8B			O-RING	1
10B			SPRING	1
C	01-072708		* VALVE, TANK PORT CONNECTOR	
C	01-072711		^ VALVE, PORT CONNECTOR BLOCKING	
*^1C			O-RING	1
*^2C			RING, BACK-UP	1
*^3C			SEAL	1
^6C			RING, SEAL	1
^7C			PLUG	1
D	01-072703		MAIN RELIEF VALVE ASSEMBLY	
1D			O-RING	1
5D			SPRING	1
6D			O-RING	2
9D			CAP, SEAL	1

DESCRIPTION	PART NO.
GROUND/PLATFORM VALVE BANK ASSY (SHEET 1 OF 2)	

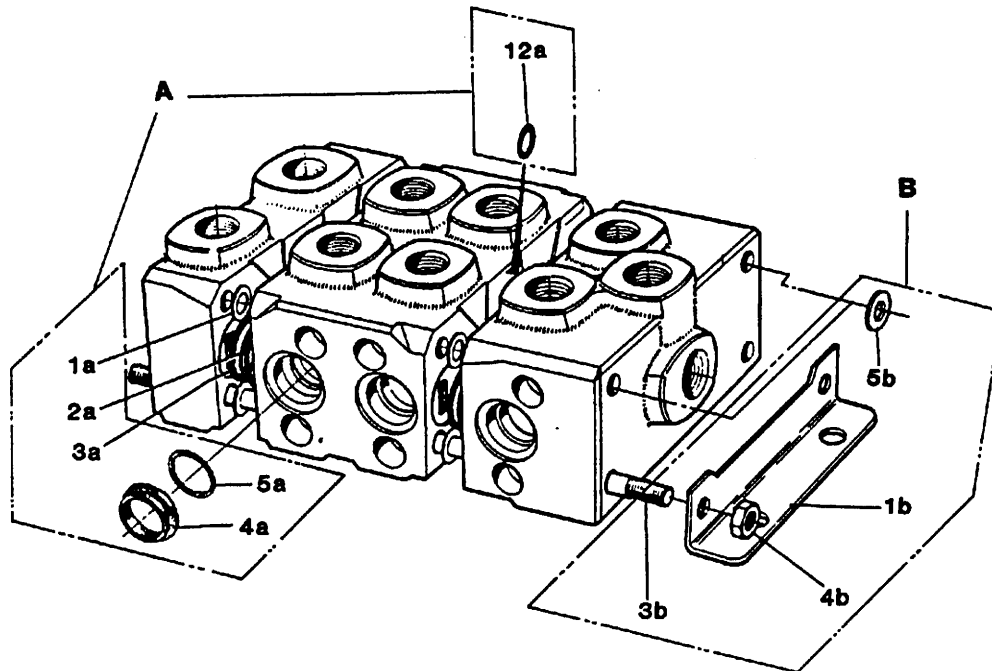
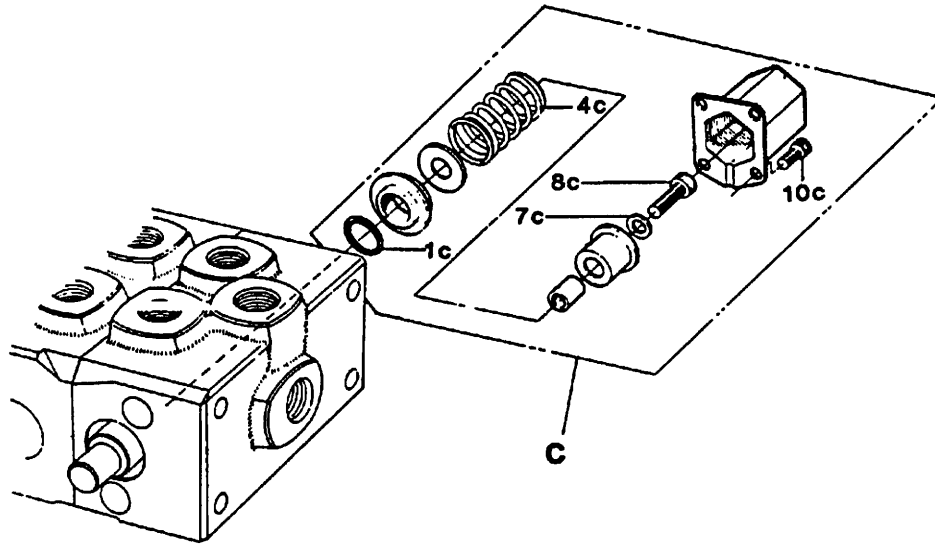


DESCRIPTION
GROUND/PLATFORM VALVE BANK ASSY (SHEET 1 OF 2)

PART NO.

PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
A	01-072709		KIT, SEAL	1
1A			RING, SPACER	
2A			O-RING	
3A			RING, BACK-UP	
4A			SEAL	
5A			O-RING	
12A			O-RING	
B	01-072705		KIT, TIE ROD (4 SECTION VALVE BANK)	1
B	01-072706		KIT, TIE ROD (5 & 6 SECTION VALVE BANK)	1
1B			PLATE, MOUNTING	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	21
DESCRIPTION			PART NO.	
GROUND/PLATFORM VALVE BANK ASSY (SHEET 2 OF 2)				



DESCRIPTION
GROUND/PLATFORM VALVE BANK ASSY (SHEET 2 OF 2)

PART NO.

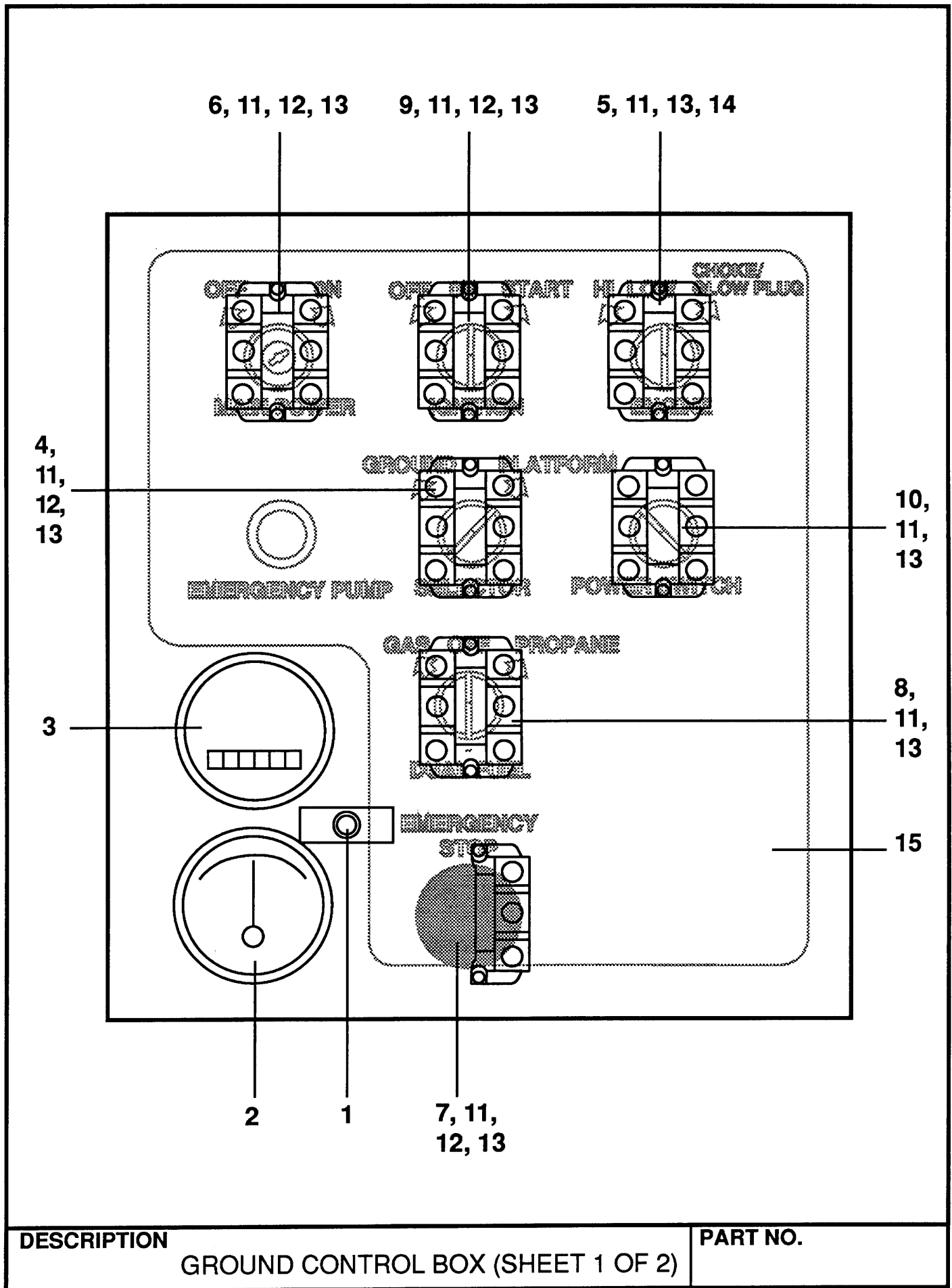
PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	03-024000		BREAKER, CIRCUIT (20 AMP)	1
2	03-030400		AMMETER, 50 AMP	1
3	03-030500		METER, HOUR, 12 VDC	1
4	03-437100		SWITCH, ROTARY (2 POSITION)	1
5	03-436900		SWITCH, CHOKE	1
6	03-436700		SWITCH, KEY	1
7	03-409800		BUTTON, EMERGENCY STOP	1
8	03-446700		SWITCH, 3 POSITION	1
9	03-436800		SWITCH, IGNITION	2
10	03-437000		SWITCH, ROTARY (2 POSITION)	1
11	03-437200		BLOCK, CONTACT (N. O.) (ONAN ENGINE)	13
			BLOCK, CONTACT (N. O.) (BRIGGS ENGINE)	10
12	03-437300		BLOCK, CONTACT (N. C.) (ONAN ENGINE)	6
			BLOCK, CONTACT (N. C.) (BRIGGS ENGINE)	5
13	03-454900		BASE, MOUNTING	7
14	03-061800		DIODE	1
15	10-090000		DECAL	1

DESCRIPTION

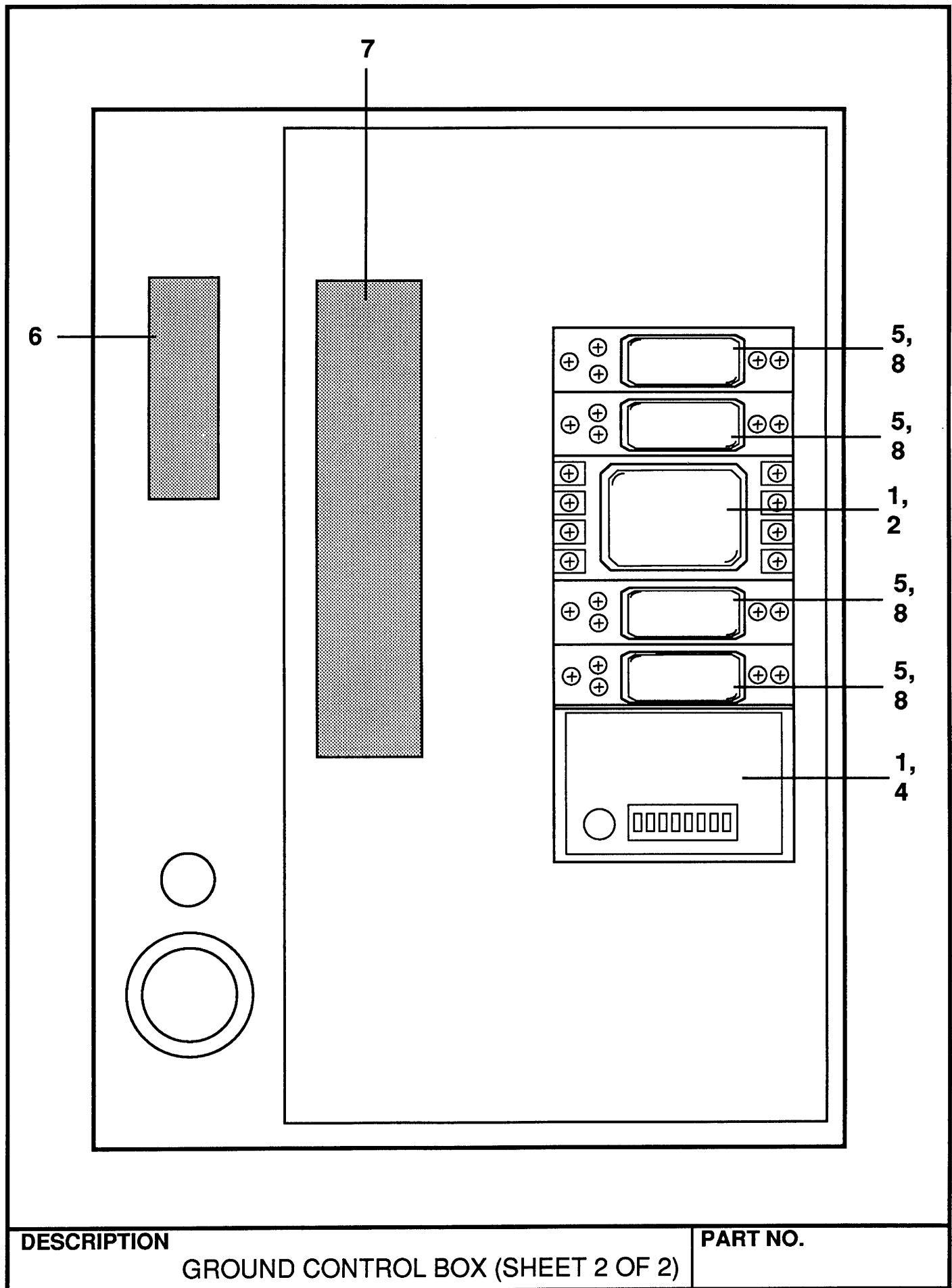
GROUND CONTROL BOX (SHEET 1 OF 2)

PART NO.



PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	03-037500		SOCKET, RELAY	2
2	03-050100		RELAY, DOUBLE POLE (12 VDC)	1
3	03-051700		TRACK, MOUNTING (BENEATH ITEMS 1, 2, 4 & 5)	1
4	03-052800		RELAY, DELAY (12 VDC) (TIME DELAY)	1
5	03-051500		RELAY, SINGLE POLE (12 VDC)	4
6	03-039100		BLOCK, TERMINAL, GROUNDING	3
7	03-066200		BLOCK, TERMINAL (12 AWG 25 AMP)	32
8	03-051600		SOCKET, SNAP MOUNT RAIL	4
DESCRIPTION			PART NO.	
GROUND CONTROL BOX (SHEET 2 OF 2)				



DESCRIPTION

GROUND CONTROL BOX (SHEET 2 OF 2)

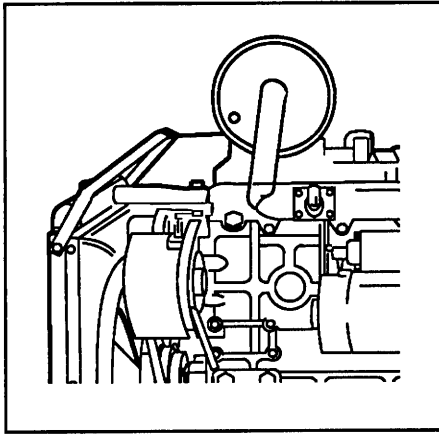
PART NO.

PARTS LIST

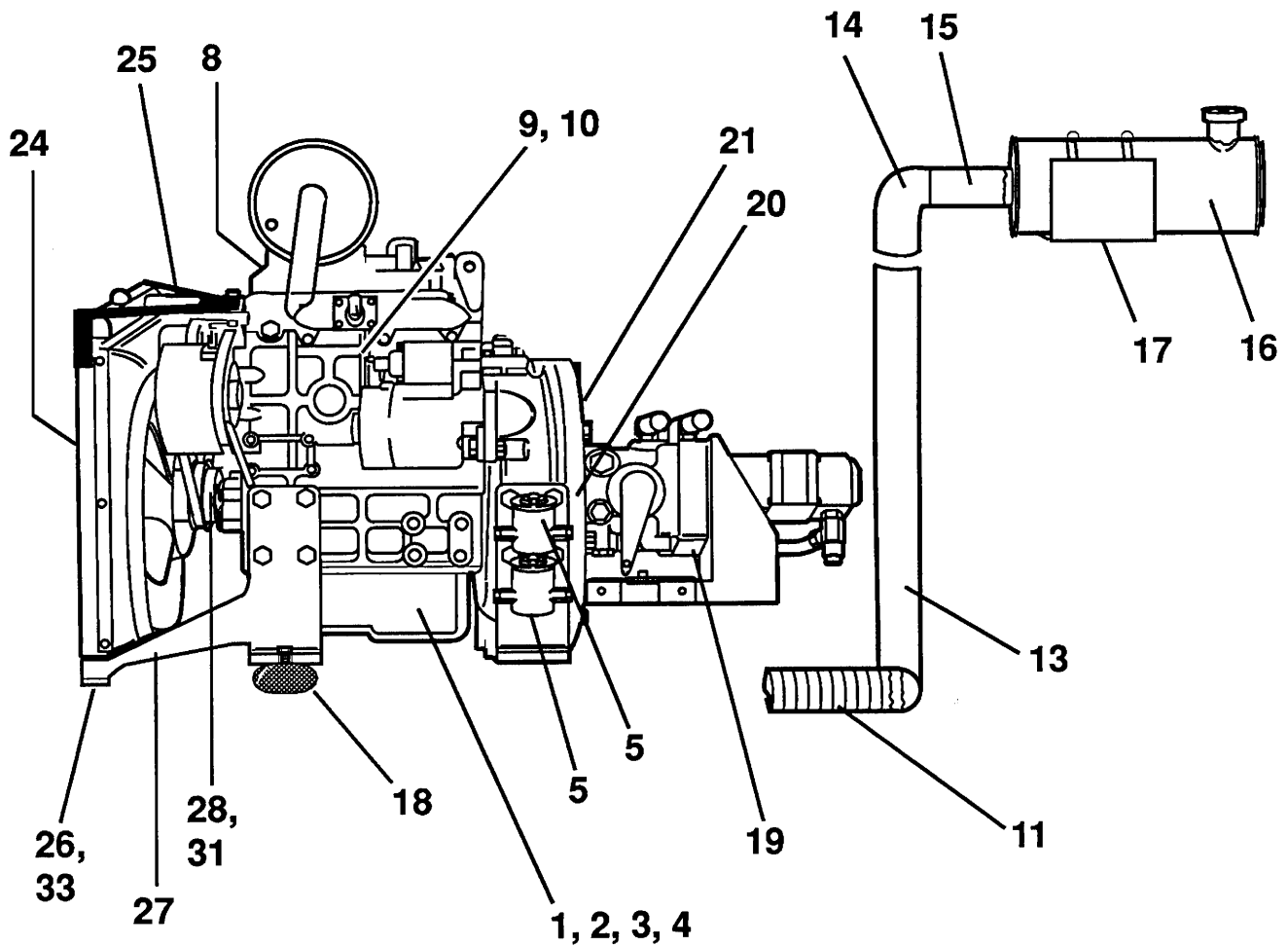
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-033800		ENGINE ASSEMBLY, DIESEL (Perkins Model 3.10) [24 HP (17.9 Kw) @ 3600 RPM]	1
2	09-033804		FILTER, OIL (ref. Perkins # 140516190)	1
3	09-033805		FILTER, FUEL (ref. Perkins # 130366020)	1
4	09-033806		ELEMENT, AIR FILTER (ref. Perkins # 314531124)	1
5	03-051300		RELAY (Single pole, single throw)	1
6	03-456800		Note: Two shown. Third is mounted on far side of engine SOLENOID, THROTTLE (with module) (Not shown. Mounted on far side of engine)	3
7	2155640		BRACKET, THROTTLE SOLENOID	1
8	2134790		BRACKET, AIR FILTER	1
9	09-025000		ELBOW, EXHAUST (not shown)	1
10	2144040		ADAPTOR, EXHAUST	1
11	09-035300		TUBING, FLEX (1-3/4" I. D.) (Bulk, order as needed)	A.R.
	2144400		TUBING, FLEX [1-3/4" I. D.x 1.9' (57.9 cm) long cut length]	1
12	2144390		EXTENSION, PIPE	1
13	2146550		EXTENSION, PIPE [21.5" (54.6 cm) long]	1
14	11-030022		ELBOW, BUTT	2
15	2144380		EXTENSION, PIPE [4" (10.2 cm) long]	1
16	09-001001		MUFFLER, ENGINE EXHAUST	1
17	2144050		BRACKET, MUFFLER MOUNTING	1
18	09-001800		MOUNT, ENGINE	4
19	3516330	12.05	PUMP ASSEMBLY, HYDRAULIC	1
20	2141490		COUPLING ASSEMBLY	1
21	02-022600		PLATE, PUMP HOUSING MOUNTING	1
22	03-459600		HARNESS, ENGINE WIRE (not shown)	1
23	03-450400		CONNECTOR, MALE (23 conductor)	1
24	2149460		RADIATOR	1
25	2151600		BRACKET, RADIATOR MOUNTING (Top)	1
26	2134800		BRACKET, RADIATOR MOUNTING (Bottom)	1
27	2134850		BRACKET, RADIATOR MOUNTING (Left front)	1
	2134860		BRACKET, RADIATOR MOUNTING (Right front)	1
28	2135040		ADAPTER, RADIATOR FAN	1
29	3521190		COOLING KIT, ENGINE (for Perkins 3.10 engine)	1
30	09-033811		FAN, 7 BLADE (Suction)	1
31	2170090		SPACER, FAN	1
32	09-033813		SHROUD, FAN	1
33	2170050		BRACKET, RADIATOR MOUNTING (Bottom, offset)	1
34	09-033812		ISOLATOR	2
35	07-039005		NUT, HEX (8mm)	2
36	07-066005		WASHER, LOCK (8mm)	2

TITLE ENGINE ASSEMBLY, PERKINS 3.10 DIESEL

PLATE NO.	08.10	SIMON AERIALS INC.	REV.11 FEB., 1992	PART NO. 3516520
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EARLY MODELS DO NOT HAVE TOP RADIATOR BRACKET (ITEM #25).



TITLE

ENGINE ASSEMBLY, PERKINS 3.10 DIESEL

SIMON AERIALS INC.

REV.11 FEB., 1992

PART
NO.

3516520

PLATE
NO.

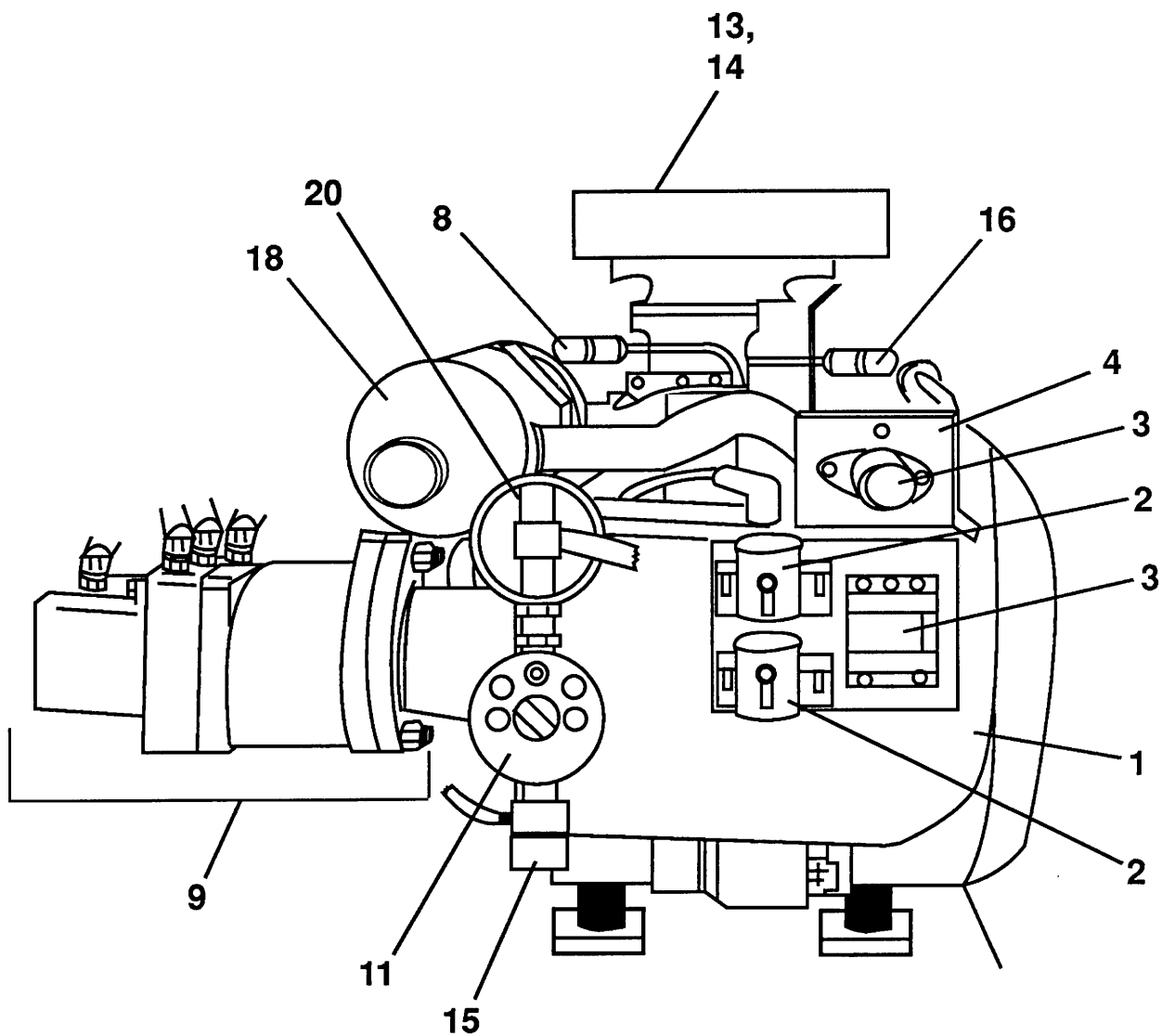
08.10

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-044700		ENGINE (Onan P224) (with Muffler and oil shutdown) Note: P224 engine supercedes the earlier T260 engine. Oil dipstick on P224 is at right rear of engine.	1
	09-031000		ENGINE (Onan T260 Gas)	1
	09-031800		ENGINE (Onan T260 Dual Fuel) Note: T260 engine has been superceded by the P224 engine. Oil dipstick on T260 is at left front of engine.	1
2	03-051300		SOLENOID (Single pole, single throw)	2
3	03-456800		SOLENOID, THROTTLE (with module)	1
4	2117740		BRACKET, THROTTLE	1
5	03-074000		CABLE ASSEMBLY, POWER (not shown)	1
6	09-015800		SWITCH, VACUUM SAFETY (not shown) (dual fuel only)	1
7	03-459400		HARNESS, ENGINE WIRE	1
8	09-042000		CHOKE ASSEMBLY, ELECTRIC	1
8a	03-414400		SOLENOID (12 Volt DC, 60 Ohm, 24 Watt)	1
8b	2109010		BRACKET, ELECTRIC CHOKE	1
8c			PIN, ROLL	1
8d			LEVER ASSEMBLY	1
8e			LINK	1
8f			SPRING, EXTENSION	1
8g			SCREW	2
9		12.05	PUMP ASSEMBLY, HYDRAULIC	1
10	2131450		SPACER, AIR CLEANER (not shown) (dual fuel only)	1
11	09-040300		VAPORIZER, PROPANE (for dual fuel units)	1
12	2133190		BRACKET, VACUUM SWITCH (not shown) (dual fuel only)	1
13	09-031004		FILTER, AIR	1
14	09-031003		WRAPPER, AIR FILTER	1
15	09-028800		VALVE, PROPANE SHUT OFF (for dual fuel units)	1
16	09-017100		VALVE, FUEL SHUT OFF (10 Watt) (for dual fuel units)	1
17			FILTER, OIL (Not shown. Mounted on far side of engine)	1
18	09-031001		MUFFLER	1
19	09-031700		TAILPIPE (not shown)	1
20	09-040400		REGULATOR, LP (for dual fuel units)	1

ENGINE ASSEMBLY, ONAN

**PART
NO.**



TITLE

ENGINE ASSEMBLY, ONAN

SIMON AERIALS INC.

REV. 12 FEB., 1992

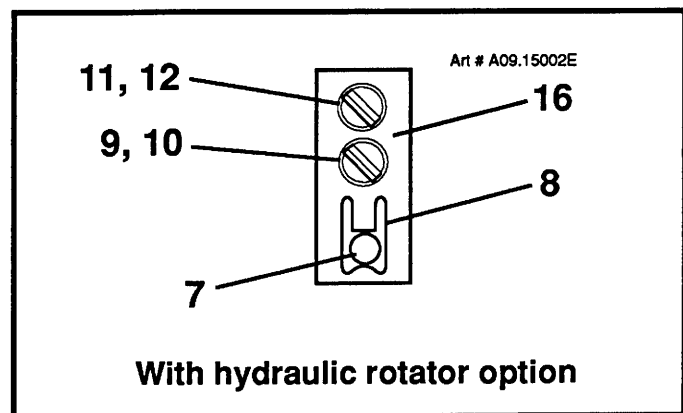
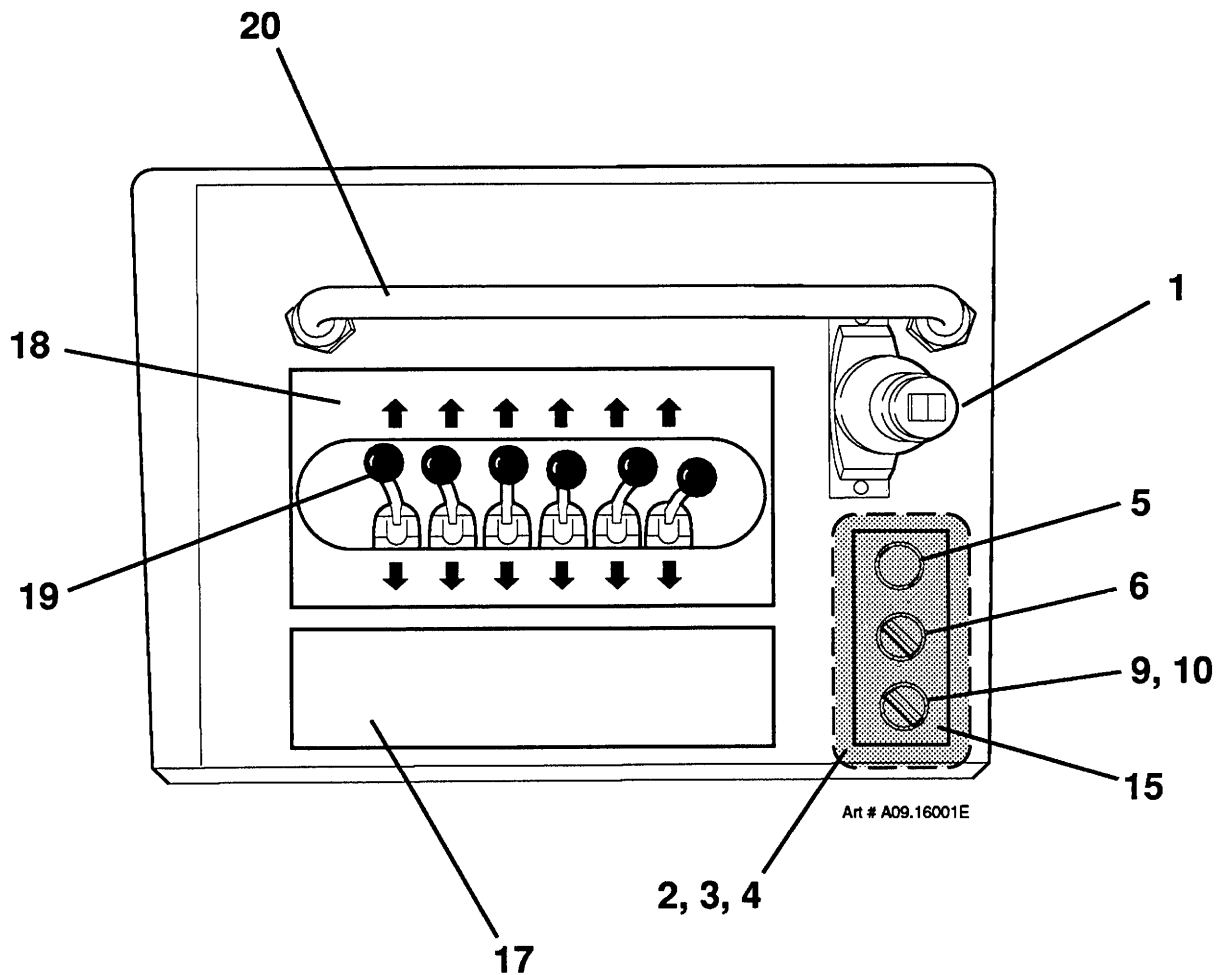
PART
NO.

PLATE
NO.

08.11

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-083400	29.05	VALVE, DRIVE CONTROLLER	1
2	2140770		BOX, JUNCTION (does not include cover)	1
3			COVER, JUNCTION BOX (drilled)	
	2140860		for units without hydraulic rotator option	1
	2141800		for units with hydraulic rotator option	1
4	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")	4
5	03-409800		BUTTON, EMERGENCY STOP	
			(for units without hydraulic rotator option)	1
6	03-436800		SWITCH, 3 POSITION ROTARY (Ignition)	
			(for units without hydraulic rotator option)	1
7	03-459300		SWITCH, TOGGLE (3 position) (Ignition)	
			(for units with hydraulic rotator option)	1
8	03-060800		COVER, TOGGLE SWITCH	
			(for units with hydraulic rotator option)	1
9	03-436900		SWITCH, 2 POSITION ROTARY (Choke)	1
10	03-061800		DIODE (for choke switch)	1
11			SWITCH, 2 POSITION ROTARY (Platform level/ rotate selector, for units with hydraulic rotator option)	
	03-437100		obsolete part, superceded by 03-410000	1
	03-410000		current part	1
12	03-409900		BASE, CONTACT BLOCK (superceded by 03-454900)	1
	03-454900		BASE, CONTACT BLOCK	3
13	03-437200		BLOCK, CONTACT (Normally open)	4
14	03-437300		BLOCK, CONTACT (Normally closed)	2
15	2141390		DECAL, PLATFORM ELECTRICAL CONTROL	
			(for units without hydraulic rotator option)	1
16	2142170		DECAL, PLATFORM ELECTRICAL CONTROL	
			(for units with hydraulic rotator option)	1
17	10-095800		DECAL, OPERATING INSTRUCTIONS	1
18	10-096600		DECAL, PLATFORM CONTROL VALVE	1
19	See plate . .	6.8	VALVE BANK ASSEMBLY, PLATFORM	1
20	2139060		BAR, GRAB	1
TITLE PLATFORM CONTROL CONSOLE, SILVER EAGLE 41/24 (FUEL)				
PLATE NO.	09.16	SIMON AERIALS INC.		PART NO.
		REV. 12 AUG., 1993		



TITLE PLATFORM CONTROL CONSOLE, SILVER EAGLE 41/24 (FUEL)

SIMON AERIALS INC.

REV. 12 AUG., 1993

PART
NO.

PLATE
NO.

09.16

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, HOLDING VALVE (for "Type 1" Cylinder)	2
	04-030502		(for "Type 2" Cylinder)	2
	04-028302		(for "Type 3" or "Type 4" Cylinder)	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)

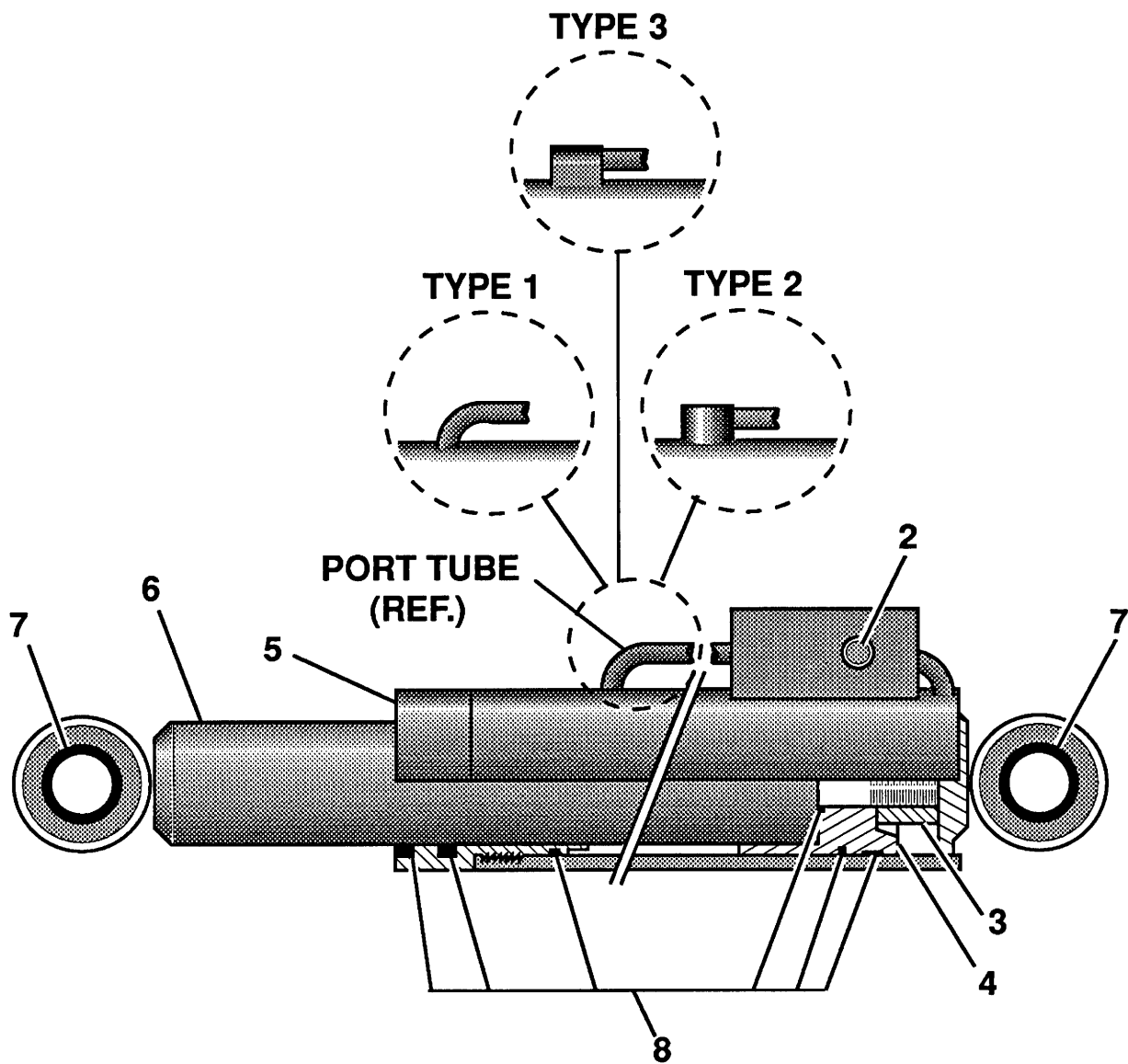
PLATE
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11.05

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.



TITLE

LIFT CYLINDER (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.

PLATE
NO.

11.05

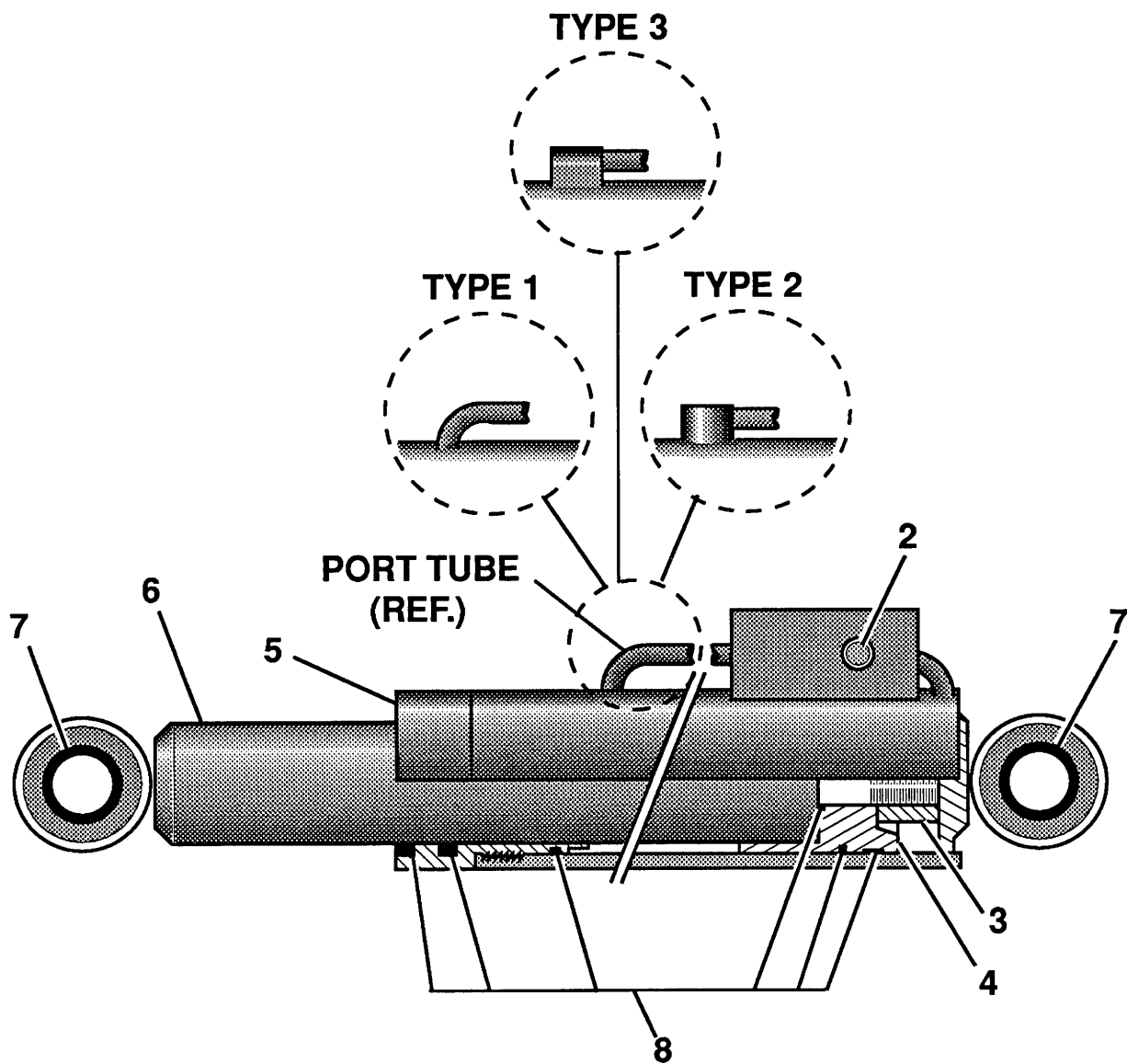
PARTS LIST

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TITLE	LIFT CYLINDER (PLATE 2 OF 2)
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PLATE NO.	11.05	SIMON AERIALS INC.	REV. 16 AUG., 1993	PART NO.
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TITLE

LIFT CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.

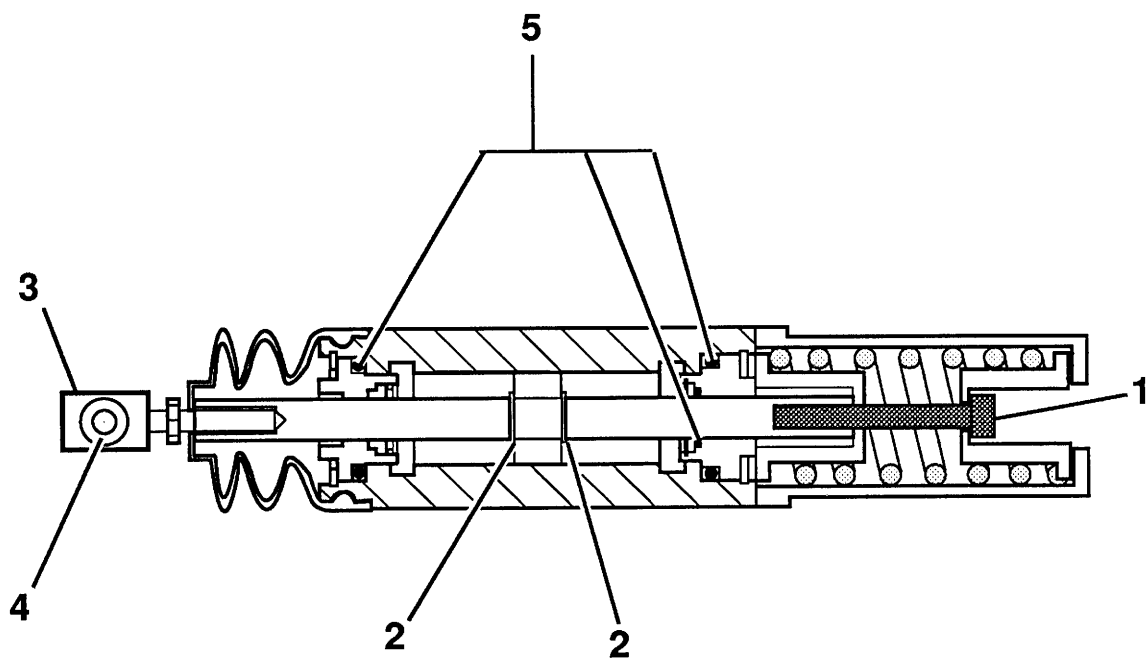
PLATE
NO.

11.05

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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
NO.

11.09

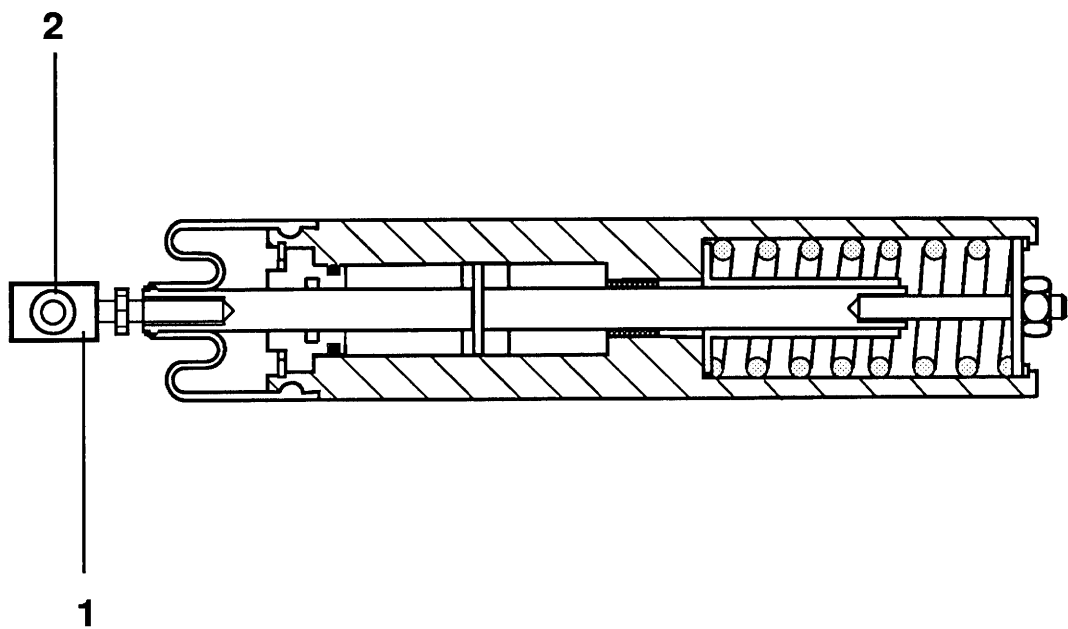
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ACTUATOR CYLINDER

SIMON AERIALS INC.

REV. 05/01/90

PART NO. 04-030000



TITLE

ACTUATOR CYLINDER

SIMON AERIALS INC.

REV.05/01/90

PART
NO.

04-030000

PLATE
NO.

11.10

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]	1
5	08-066000 08-062000		[w/ 8 mm (.315") dia. hole for master link bushing] BUSHING, BRONZE [1/4" (6.4 mm) O.D.] BUSHING, BRONZE [8 mm (.315") O.D.]	2 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 04-030000	11.09 11.10	CYLINDER, ACTUATOR Type 1, spring is in round housing Type 2, spring is in square barrel	1 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)

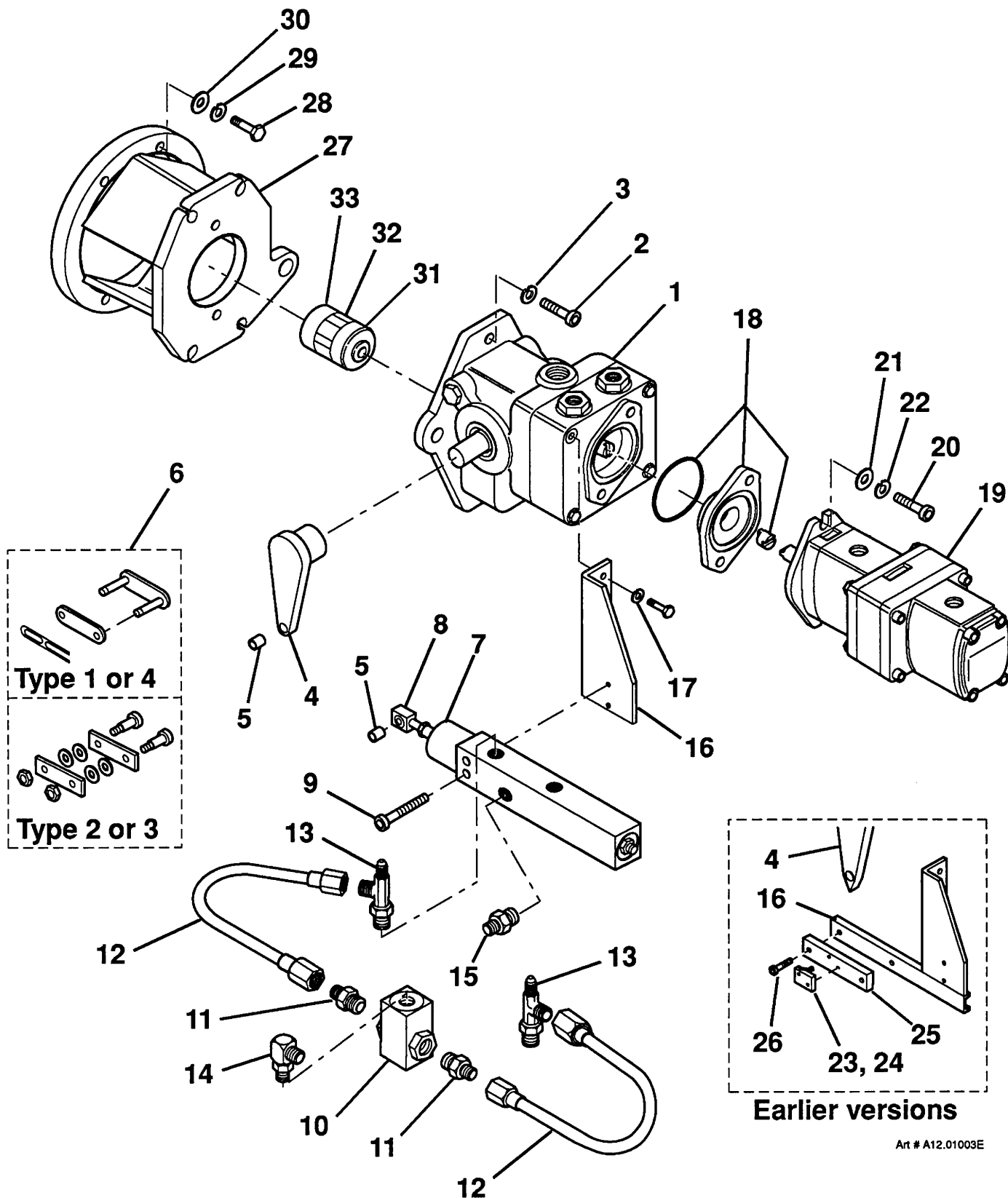
PLATE NO.

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)

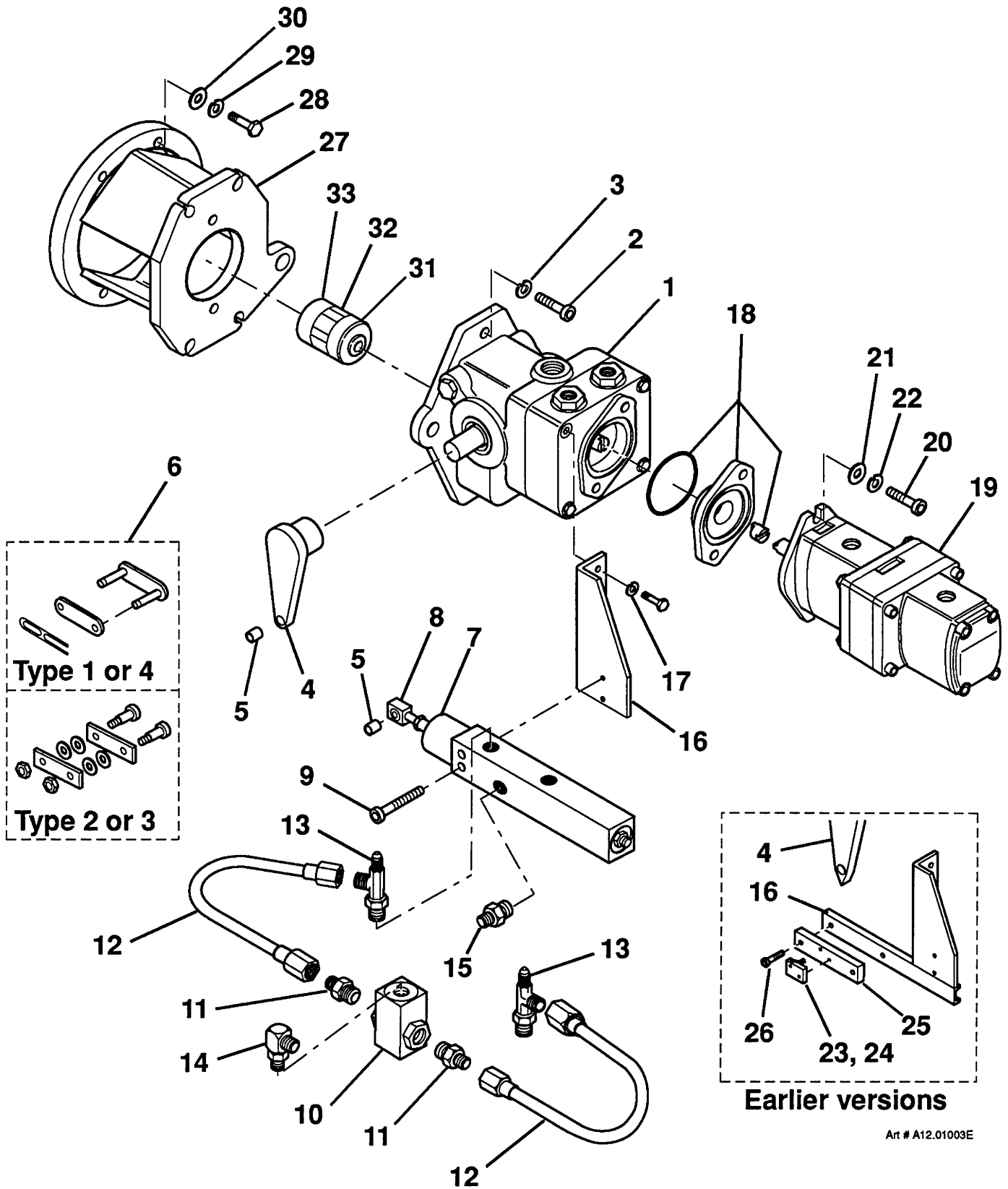
PLATE
NO.

12.01

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.



TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

SIMON AERIALS INC.

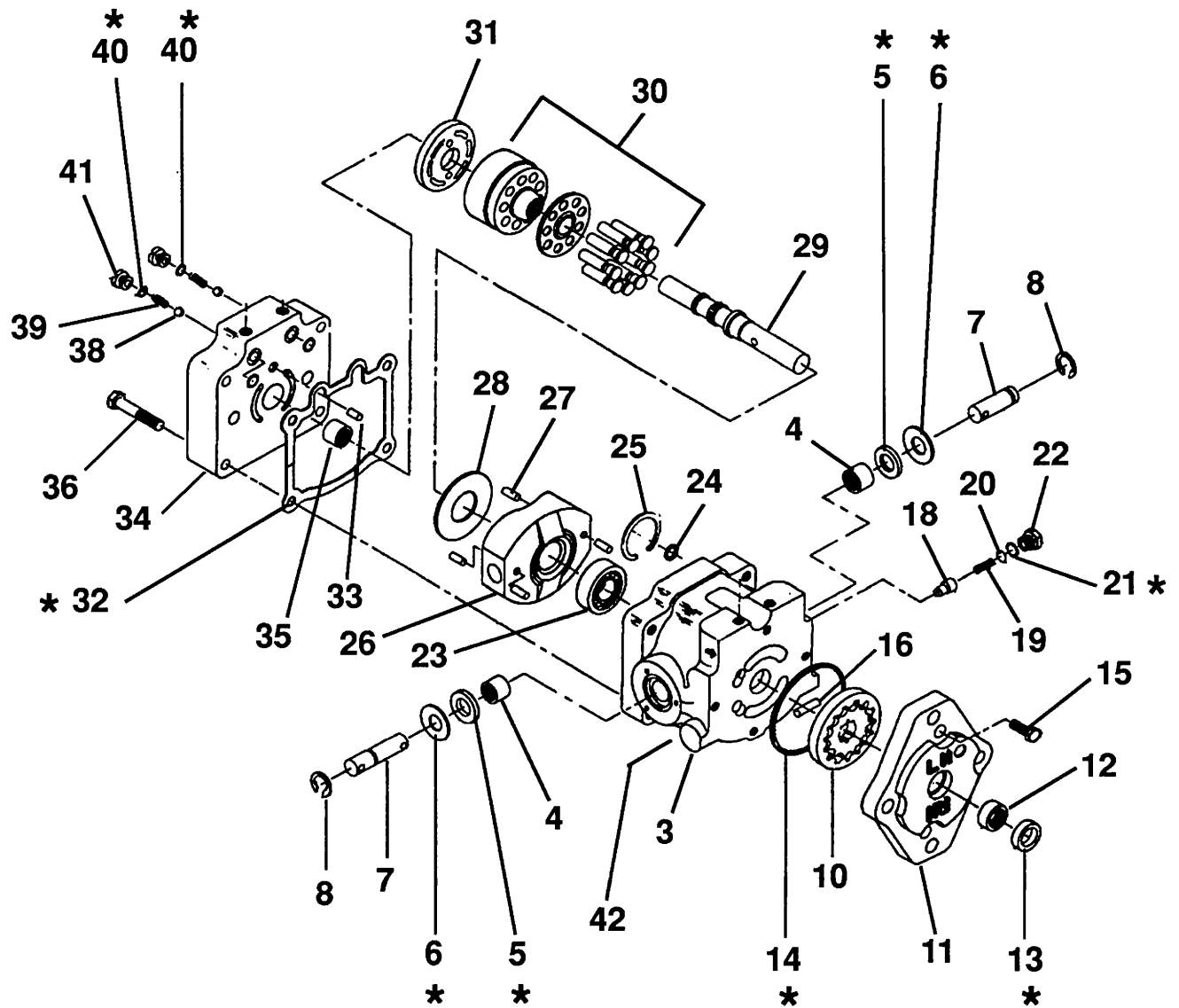
REV. 16 AUG., 1993

PART
NO.

PLATE
NO.

12.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-079301		SEAL KIT	1
			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.		PART NO. 01-079300
REV. 09 SEP., 1993				



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	01-079300	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 shuttle valve, item 16, is installed) [w/ 1/4" (6.4 mm) dia. hole for master link bushing]	1
	2128870		ARM, STROKE (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)	1
			Note: Assembled with cotter pins. Stroke arm and actuator cylinder clevis must have bushings (item 5). 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
8	04-030000	11.10	CYLINDER, ACTUATOR (Type 2, spring is in square barrel)	1
	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	06-039500		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
11	06-048300		RUN TEE, MALE "O"-RING (4 R50X-S)	2
12	2133270		BRACKET ASSEMBLY, STROKE CYLINDER MOUNTING with bracket for neutral start microswitch	1
	2133290		without microswitch bracket, used when shuttle valve, item 16, is installed	1
13	07-065016		WASHER, HELICAL LOCK (3/8")	2

TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

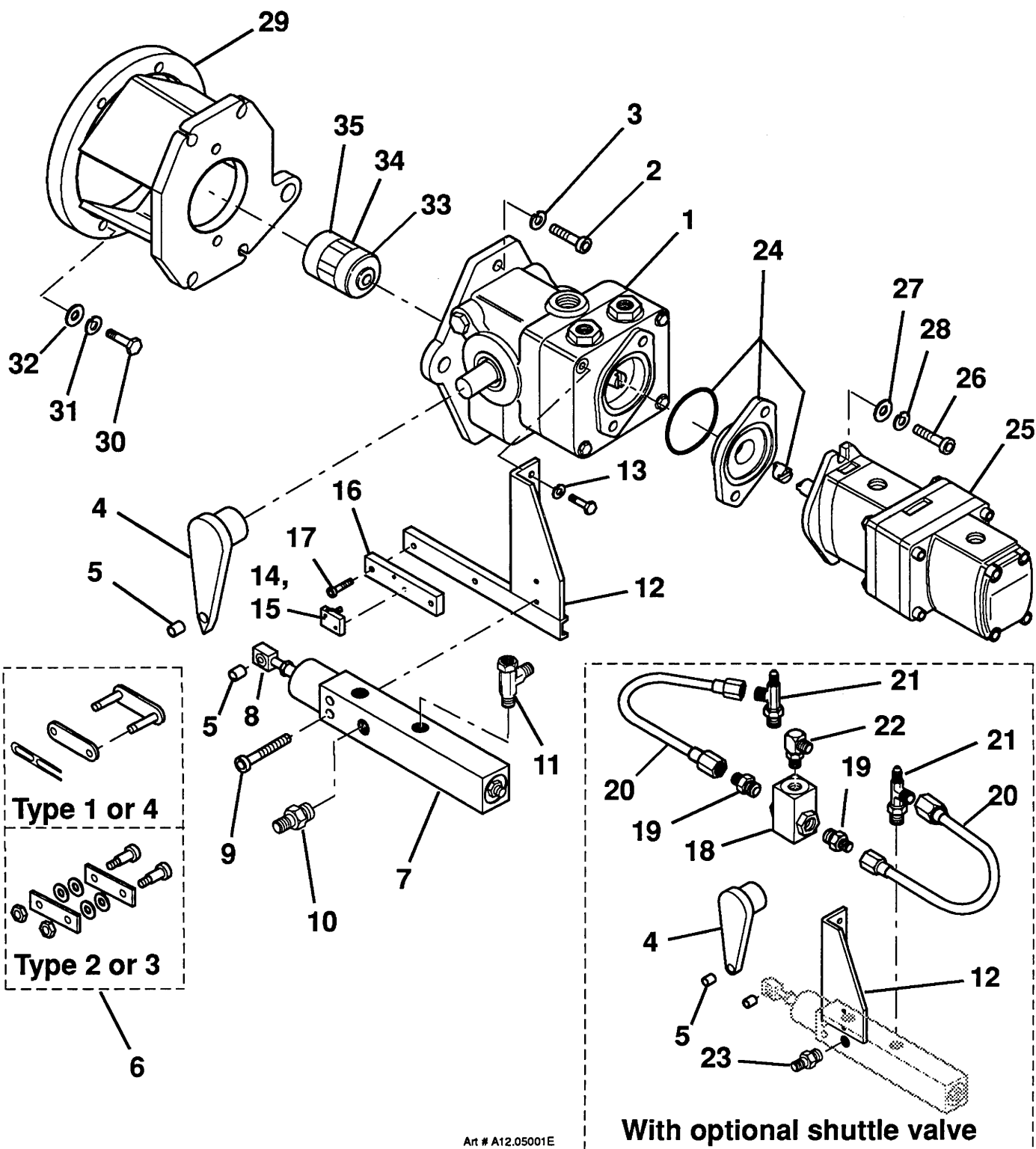
PLATE NO.

12.05

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART NO.



TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

PLATE
NO.

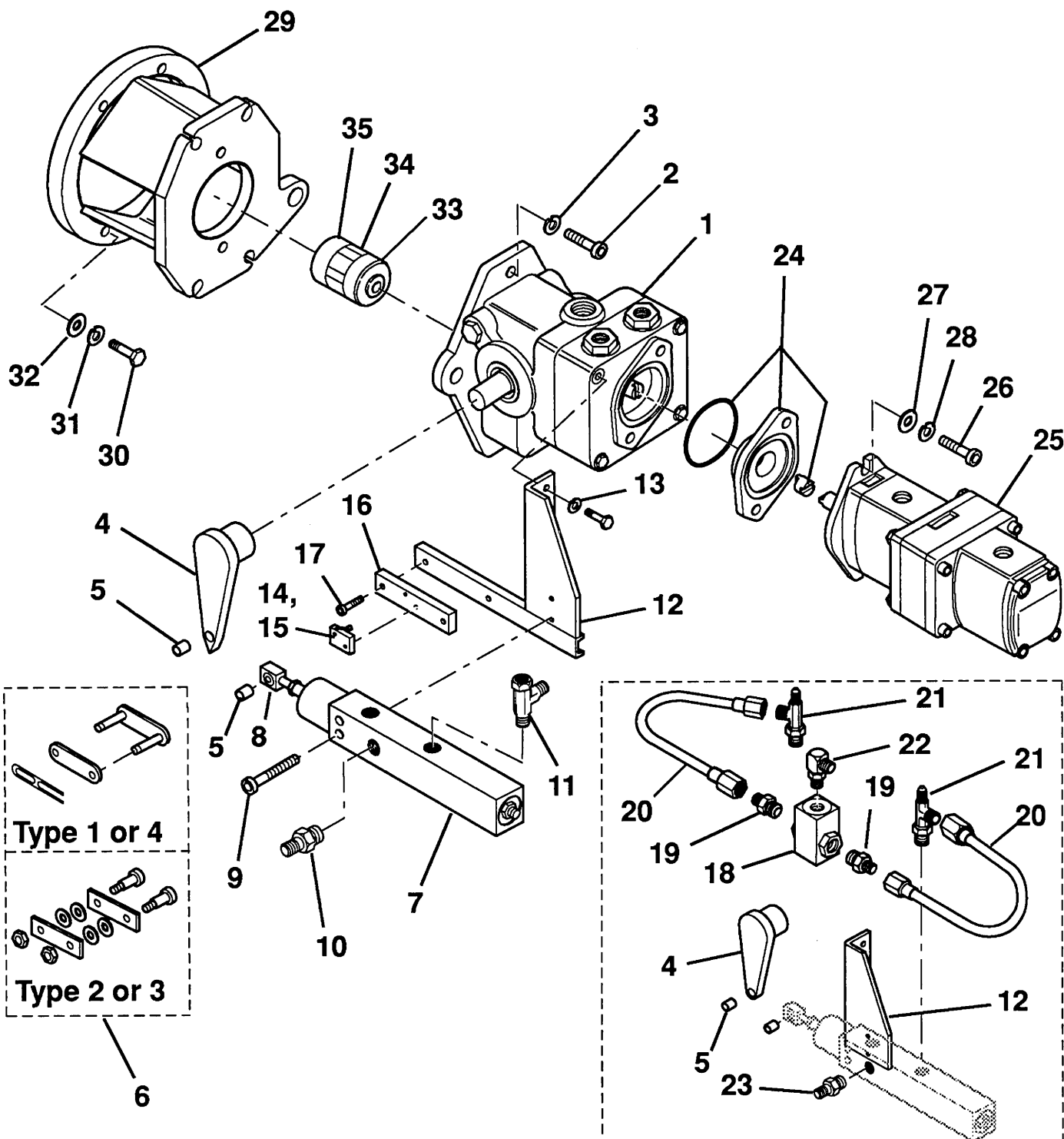
12.05

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	03-065000		MICROSWITCH (Neutral start) (does not include actuator) (used when shuttle valve, item 18, is not installed)	1
15	03-026500		ACTUATOR, SWITCH (bolt on) (used when shuttle valve, item 18, is not installed)	1
16	2134040		BLOCK, MICROSWITCH MOUNTING (used when shuttle valve, item 18, is not installed)	1
17	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
18	01-013800		VALVE, SHUTTLE	1
19	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2
20	2133030		TUBE ASSEMBLY	2
21	2173740		RUN TEE, STROKE CYLINDER (modified 4 R50X)	2
22	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
23	2175730		ADAPTER, ORIFICED (modified 4 F50X-S)	1
24	01-079800		ADAPTER KIT, TANG DRIVE	1
25	01-080300		PUMP, HYDRAULIC TANDEM	1
26	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
27	07-062016		WASHER, FLAT (3/8")	2
28	07-065016		WASHER, HELICAL LOCK (3/8")	2
29			ADAPTER, DRIVE PUMP	
	02-024600		with Briggs and Stratton engine	1
	02-022700		with Onan engine	1
	02-022600		with Perkins engine	1
30	07-003069		CAP SCREW, HEX HEAD (7/16"-14 x 2", Grade 5)	4
31	07-065017		WASHER, HELICAL LOCK (7/16")	4
32	07-062017		WASHER, FLAT (7/16")	4
33	02-014200		COUPLING ASSEMBLY (with Briggs and Stratton engine)	1
	02-022300		COUPLING ASSEMBLY (with Perkins engine)	1
	02-018000		COUPLING HALF (Pump side)(3/4" bore) (with Onan engine)	1
34	02-018200		INSERT, COUPLING (urethane) (with Onan engine)	1
35	02-018800		COUPLING HALF (Engine side) (1-1/8" bore)	
			(with Onan engine)	1

TITLE PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

PLATE NO.	12.05	SIMON AERIALS INC.	REV. 09 SEP., 1993	PART NO.
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Art # A12.05001E

TITLE

PUMP ASSEMBLY, HYDRAULIC (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 SEP., 1993

PART
NO.

PLATE
NO.

12.05

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

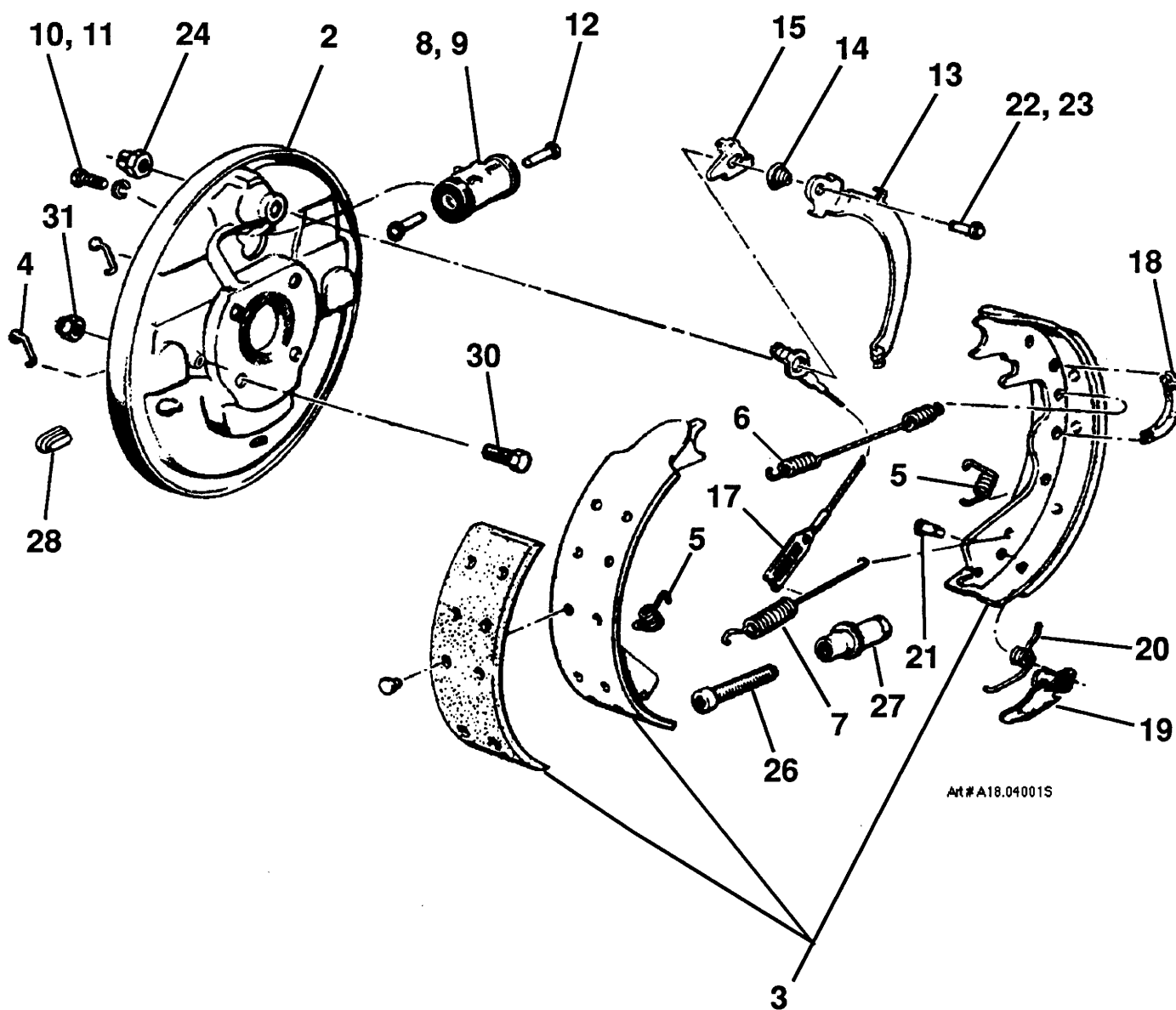
PLATE
NO.

18.04

SIMON AERIALS INC.

REV. 16 AUG., 1993

PART
NO.



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	02-022217		HOUSING ASSEMBLY, AXLE	1
2	02-022230		COVER, DIFFERENTIAL HOUSING	1
3	02-022229		SEALANT, RTV (Ford #D6AZ 19562-ba or equivalent)	A.R.
4	02-022231		BOLT, DIFFERENTIAL HOUSING COVER	10
5	02-022201		AXLE SHAFT ASSEMBLY (includes "O"-Ring) (Right)	1
	02-022202		AXLE SHAFT ASSEMBLY (includes "O"-Ring) (Left)	1
6	02-022203		"O"-RING, AXLE SHAFT	1
7	02-022211		BOLT, WHEEL LUG	A.R.
8	02-022212		SEAL, OUTER WHEEL BEARING OIL	2
9	02-022213		BEARING ASSEMBLY, WHEEL (Outer)	2
10	02-022216		GEAR SET, AXLE RING AND PINION (3.55:1)	1
11			NUT, LOCK	1
12	02-022215		CONE AND ROLLER, PINION BEARING (Rear)	1
13	02-022214		CUP, PINION BEARING (Rear)	1
14	02-022205		SPACER, PINION BEARING	1
15	02-022204		CUP, PINION BEARING (Front)	1
16	02-022206		CONE AND ROLLER, PINION BEARING (Front)	1
17	02-022207		SEAL, PINION SHAFT OIL	1
18	02-022208		SLINGER, PINION SHAFT OIL	1
19	02-022209		FLANGE ASSEMBLY, YOKE (includes deflector)	1
20	02-022210		DEFLECTOR, OIL SEAL	1
21	02-022221		CASE, DIFFERENTIAL	1
22	02-022224		GEAR, AXLE SHAFT	2
23	02-022225		PIN, DIFFERENTIAL PINION SHAFT LOCK	1
24	02-022226		PINION KIT, DIFFERENTIAL (includes [2] gears and [2] washers)	1
25	02-022228		WASHER, PINION	2
26	02-022222		CLUTCH, DIFFERENTIAL SPRING	1
27	02-022227		SHAFT, DIFFERENTIAL PINION (includes Pin, Item 23)	1
28	02-022232		"U"-WASHER	2
29	02-022223		DISC KIT, DIFFERENTIAL (one kit needed per axle side)	2
30	02-022218		CUP, DIFFERENTIAL BEARING	2
31	02-022219		CONE AND ROLLER, DIFFERENTIAL BEARING	2
32			SHIM, DIFFERENTIAL BEARING ADJUSTMENT	A.R.
33	02-022220		BOLT, RING GEAR	10
34	See plate...	18.06	BRAKE ASSEMBLY, REAR DRUM (not shown)	2
			The following items are not part of Axle Assembly 02-022200:	
35	10-099001		NUT, WHEEL LUG (not shown)	12

TITLE

REAR AXLE ASSEMBLY

PLATE
NO.

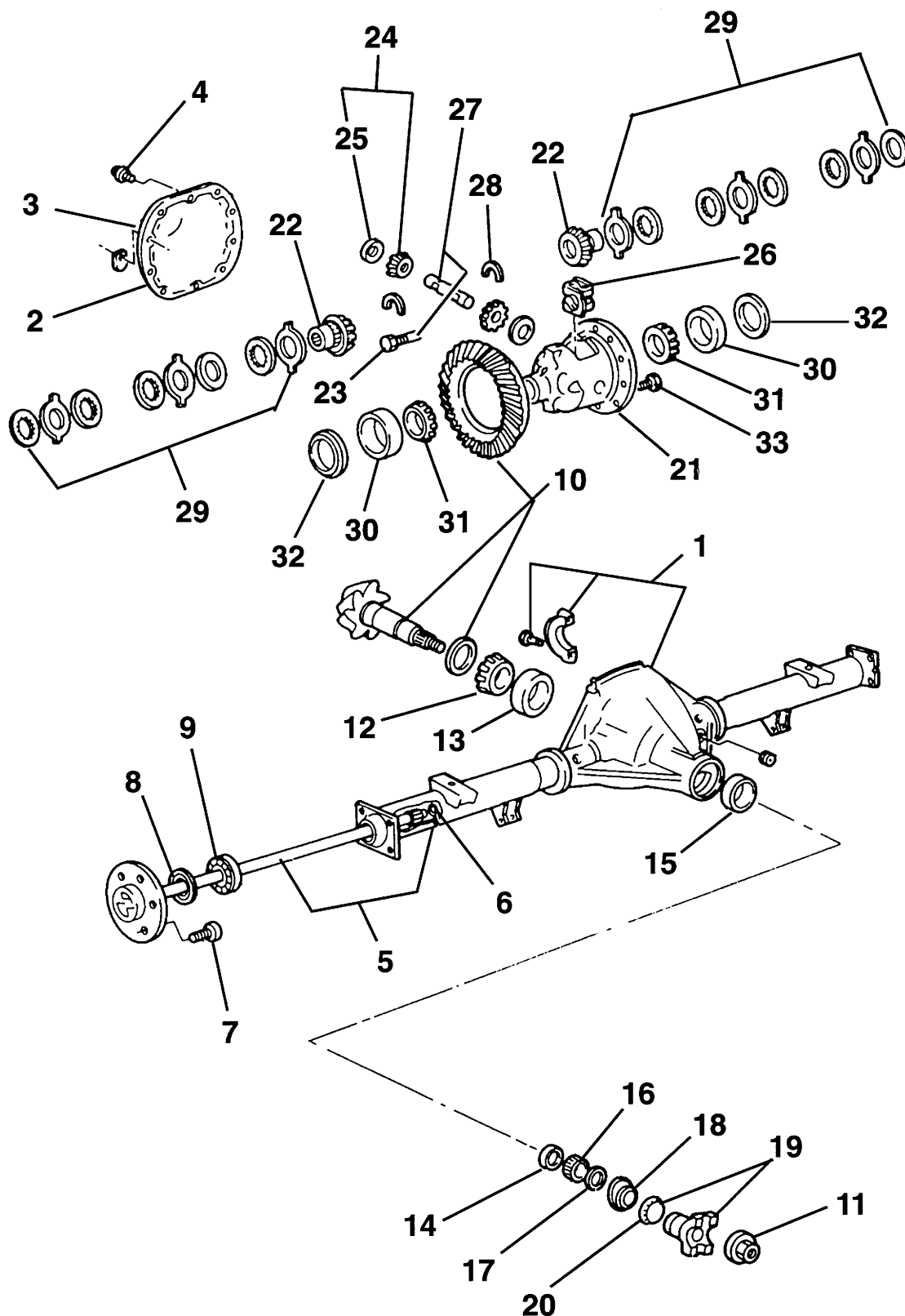
19.01

SIMON AERIALS INC.

REV. 16 AUG., 1994

PART
NO.

02-022200



TITLE

REAR AXLE ASSEMBLY

SIMON AERIALS INC.

REV. 16 AUG., 1994

PART
NO.

02-022200

PLATE
NO.

19.01

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REAR DRIVE SHAFT

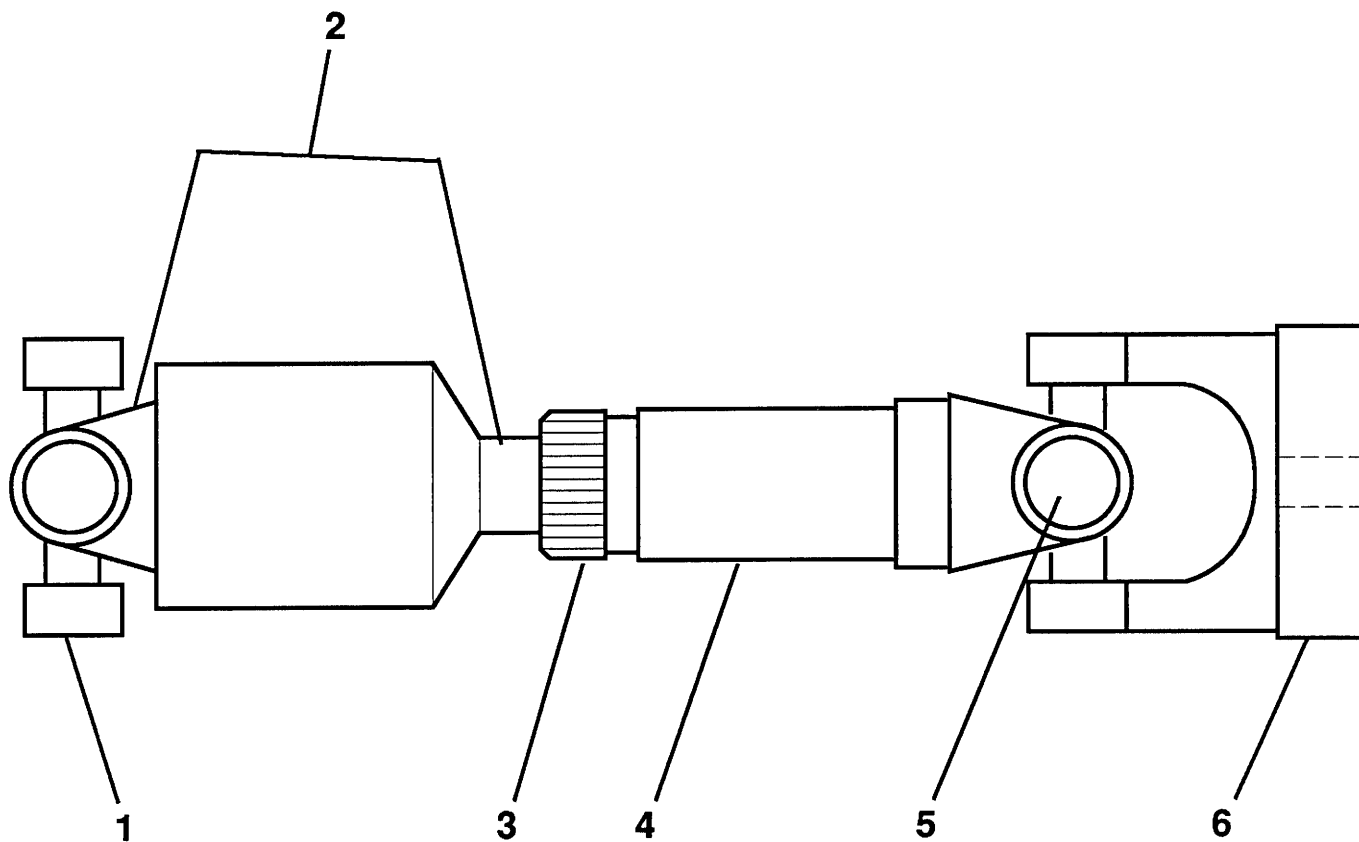
20.03

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-024500



TITLE

REAR DRIVE SHAFT

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

02-024500

PLATE
NO.

20.03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-012421		HOUSING, PLATFORM ROTATOR	1
2	02-012402		GEAR, WORM	1
3	02-012420		BEARING	1
4	02-012414		RING, LOCK	1
5	02-012405		RING, LOCK	1
6	02-012415		CAP, END	1
7	02-012425		BEARING	1
8	02-012423		SEAL, OIL	1
9	3511510		FLANGE KIT, PLATFORM	1
10	02-012424		CAPSCREW	1
11	02-012422		WASHER, LOCK	1
12	02-012403		SHAFT, OUTPUT	1
13	02-012404		GEAR	1
14	02-012407		KEY	1
15	02-012409		SPACER	1
16	02-012406		BEARING	1
17	02-012410		SEAL, OIL	1
18	02-012417		SHIM [0.007 (.18 mm) thick]	A.R.
	02-012418		SHIM [0.011 (.28 mm) thick]	A.R.
	02-012416		SHIM [0.019 (.48 mm) thick]	A.R.
19	02-012412		SEAL CAGE, REDUCER	2
20	02-012413		COVER, END	
21	02-012408		RING, LOCK	1
22	02-012427		KEY	2
23	02-012411		PIPE PLUG, REDUCER	3
24	02-012419		PIPE PLUG, REDUCER	4
25	02-012428		PLUG, VENT	1

TITLE PLATFORM ROTATOR (40:1 WORM SPEED REDUCER)

PLATE
NO.

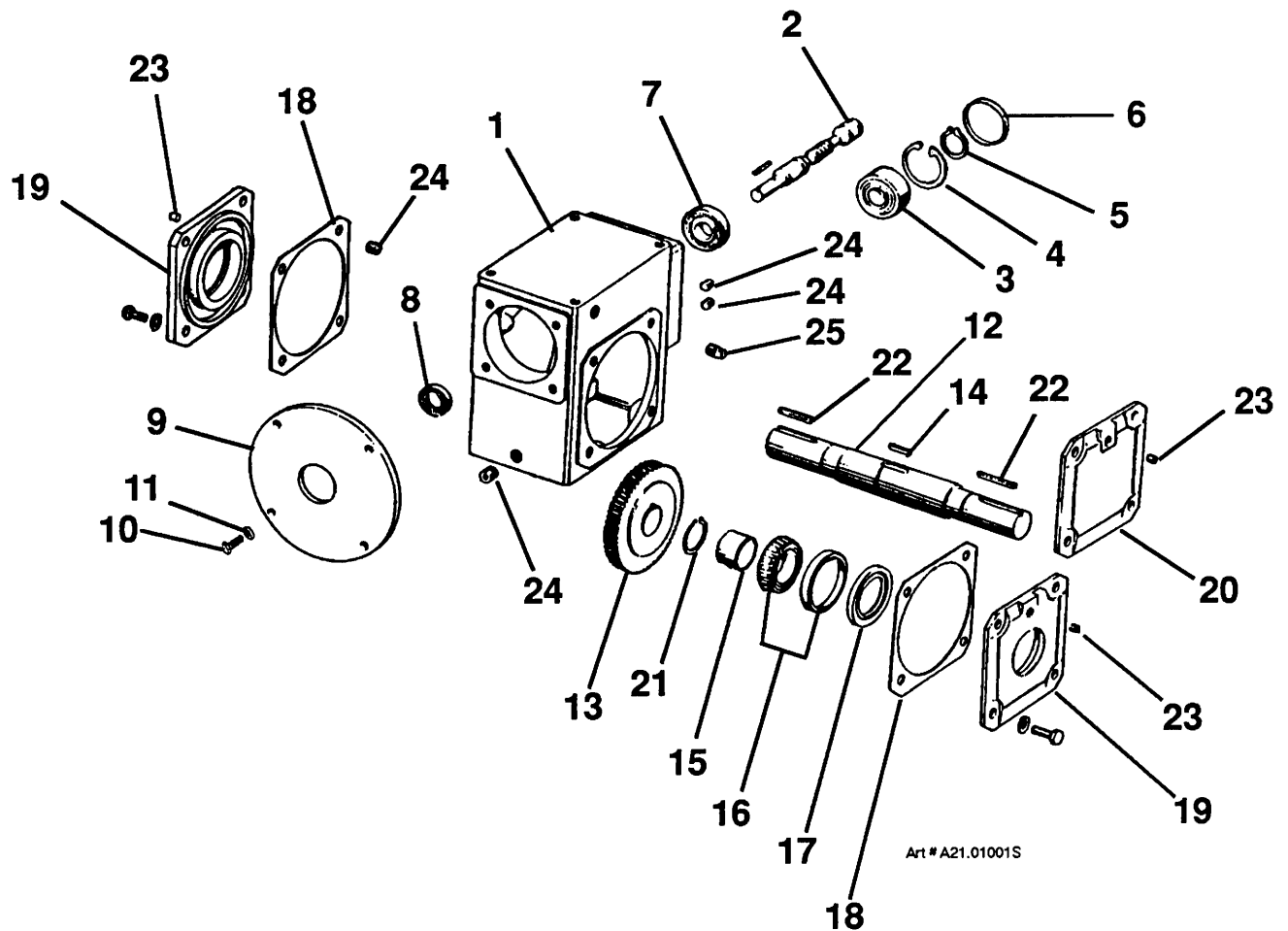
21.01

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART
NO.

02-012400



TITLE PLATFORM ROTATOR (40:1 WORM SPEED REDUCER)

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART NO. 02-012400

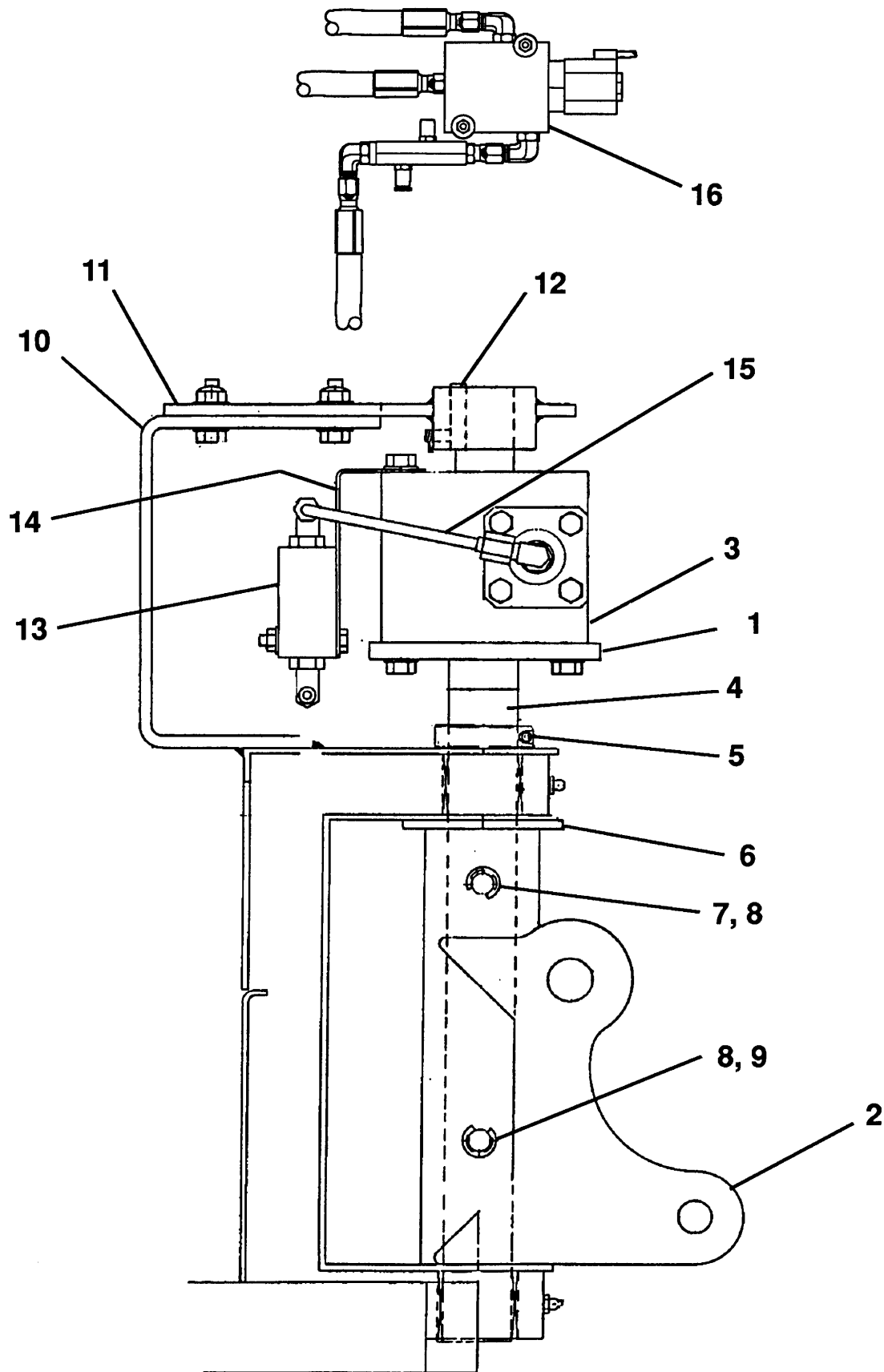
PLATE NO. 21.01

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21.03

REV. 17 AUG., 1993

2132120



TITLE

HYDRAULIC ROTATOR

SIMON AERIALS INC.

REV. 17 AUG., 1993

PART
NO.

2132120

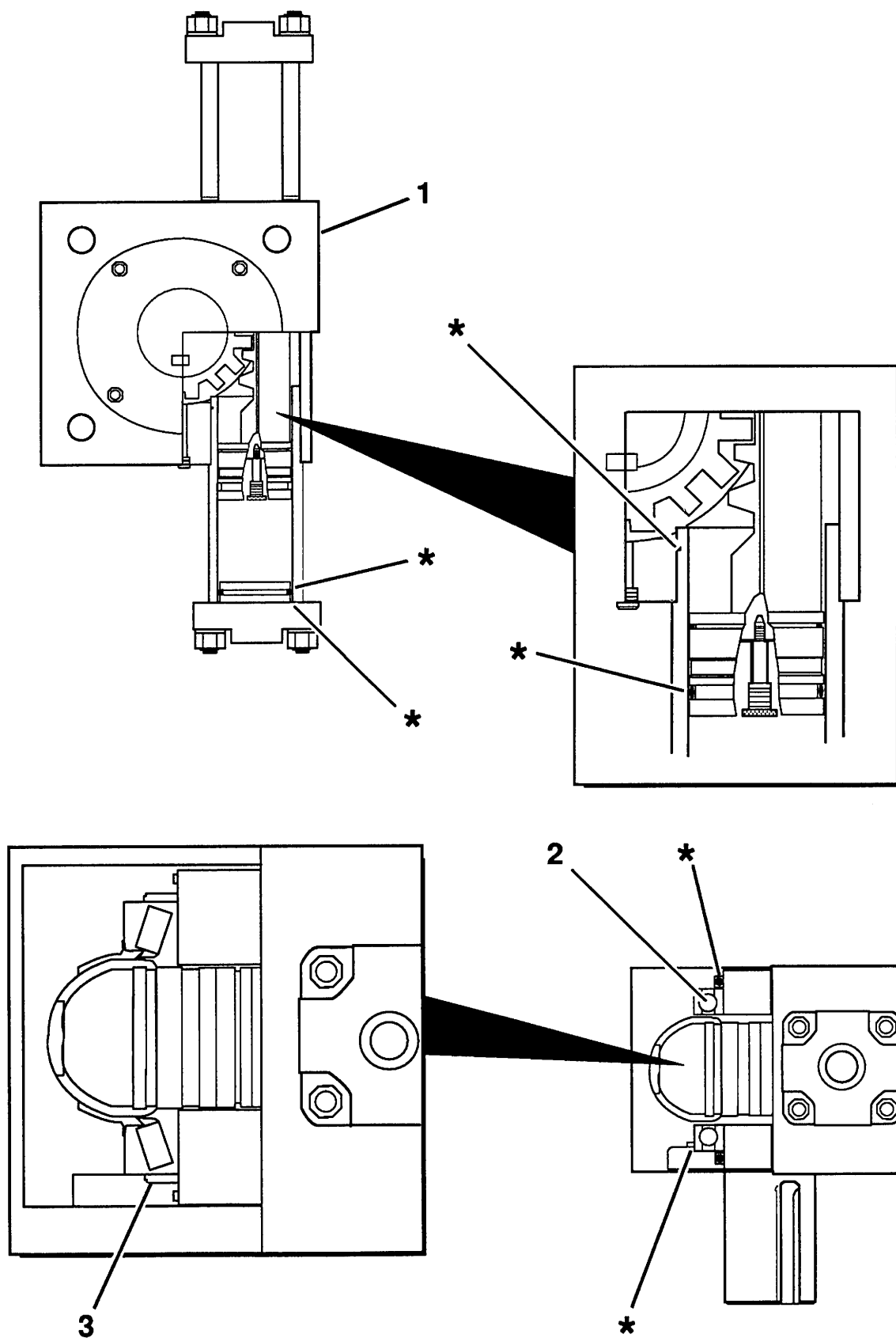
PLATE
NO.

21.03

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-084500		ACTUATOR, HYDRAULIC	1
2	01-084502		BEARING	1
3	01-084503		SHIM KIT, BEARING ADJUSTER	A.R.
4	01-084501		SEAL KIT	
			[Note: Items in Seal Kit identified by asterisk (*)]	1
		*	"O"-RING, BEARING CAP	2
		*	"O"-RING, PINION	2
		*	"O"-RING, PISTON	2
		*	"O"-RING, CYLINDER BARREL O. D.	2
		*	RING, CYLINDER HEAD BACK UP	2
		*	"O"-RING, CYLINDER HEAD	2
Note: was plate 4.31 or 31.2 in some earlier Parts Catalogs.				
TITLE HYDRAULIC ACTUATOR ASSEMBLY				
PLATE NO. 21.04		SIMON AERIALS INC.		PART NO. 01-084500

HYDRAULIC ACTUATOR ASSEMBLY

01-084500



TITLE

HYDRAULIC ACTUATOR ASSEMBLY

SIMON AERIALS INC.

REV. 28 FEB., 1992

PART
NO.

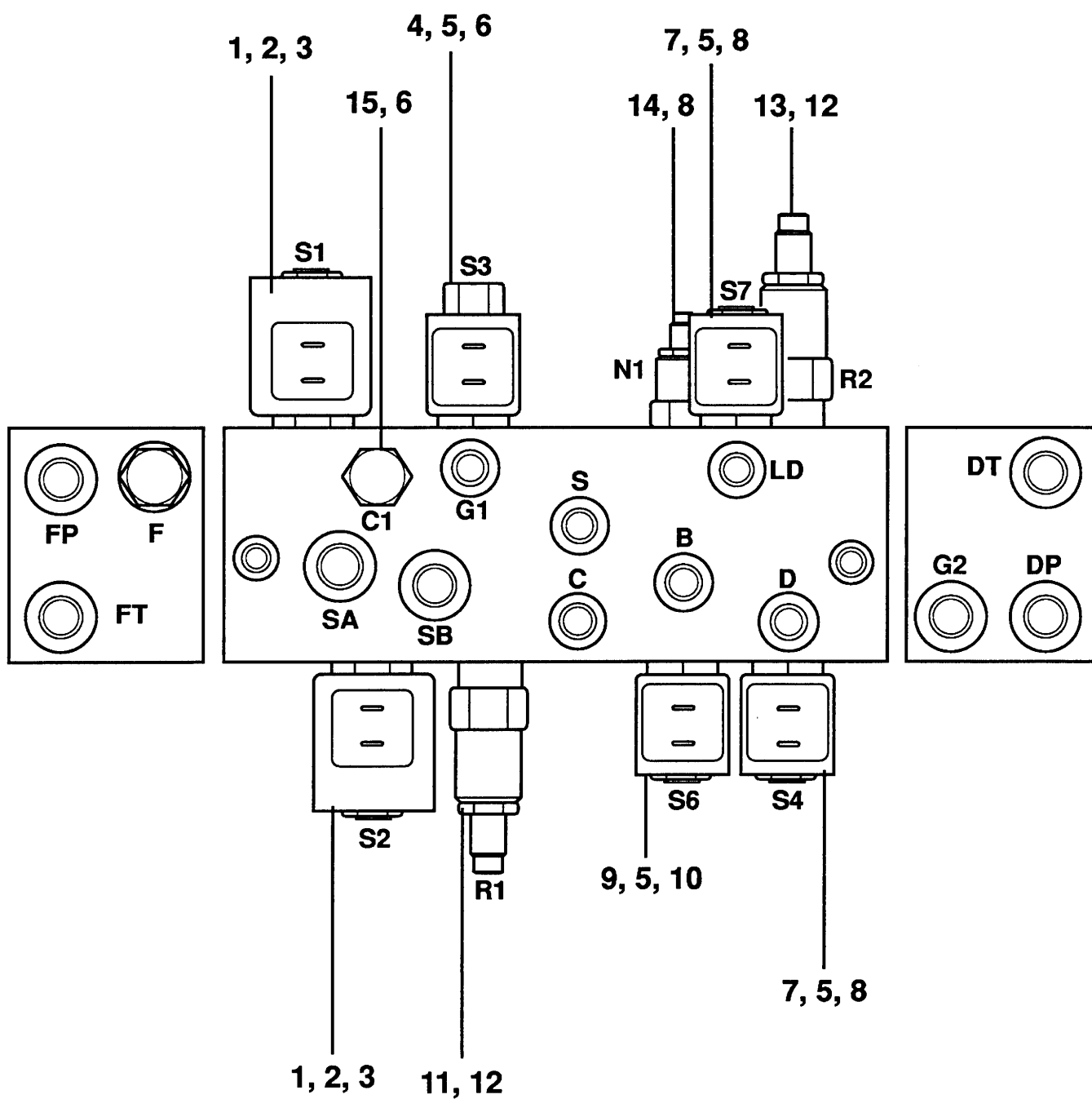
01-084500

PLATE
NO.

21.04

PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	01-086801		CARTRIDGE, MANIFOLD	
2	01-086802		COIL, MANIFOLD	
3	01-086803		KIT, SEAL	
4	01-086804		CARTRIDGE, MANIFOLD	
5	01-086805		COIL, MANIFOLD	
6	01-086806		KIT, SEAL	
7	01-086807		CARTRIDGE, MANIFOLD	
8	01-086808		KIT, SEAL	
9	01-086809		CARTRIDGE, MANIFOLD	
10	01-086810		KIT, SEAL	
11	01-086811		CARTRIDGE, MANIFOLD	
12	01-086812		KIT, SEAL	
13	01-086813		CARTRIDGE, MANIFOLD	
14	01-086814		CARTRIDGE, MANIFOLD	
15	01-086815		CARTRIDGE, MANIFOLD	
DESCRIPTION			HYDRAULIC MANIFOLD ASSEMBLY	PART NO. 01-086900



DESCRIPTION

HYDRAULIC MANIFOLD ASSEMBLY

PART NO.

01-086900

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.

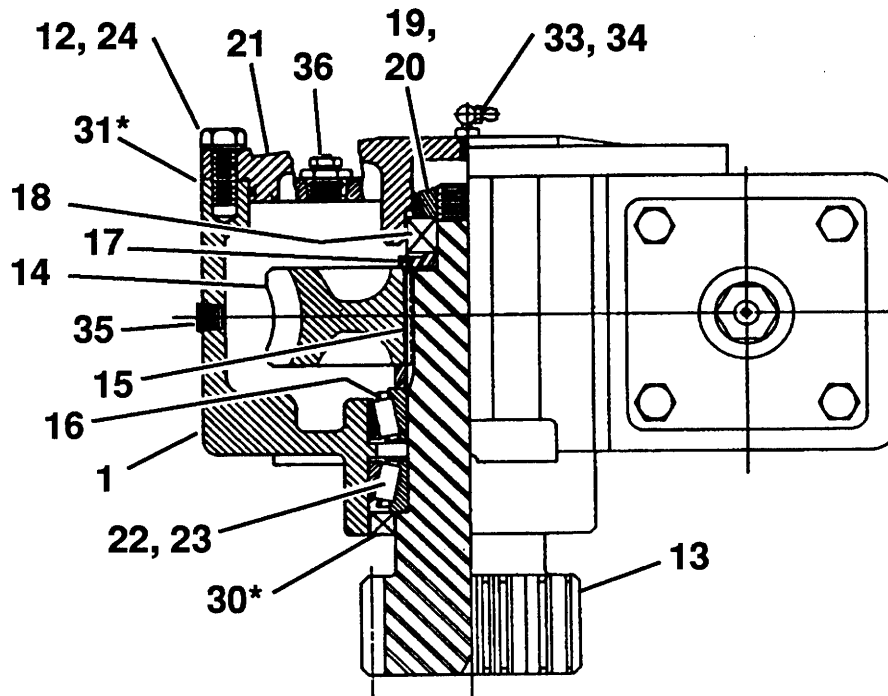
28.01

SIMON AERIALS INC.

REV. 09 SEP., 1993
THIS SHEET ONLY

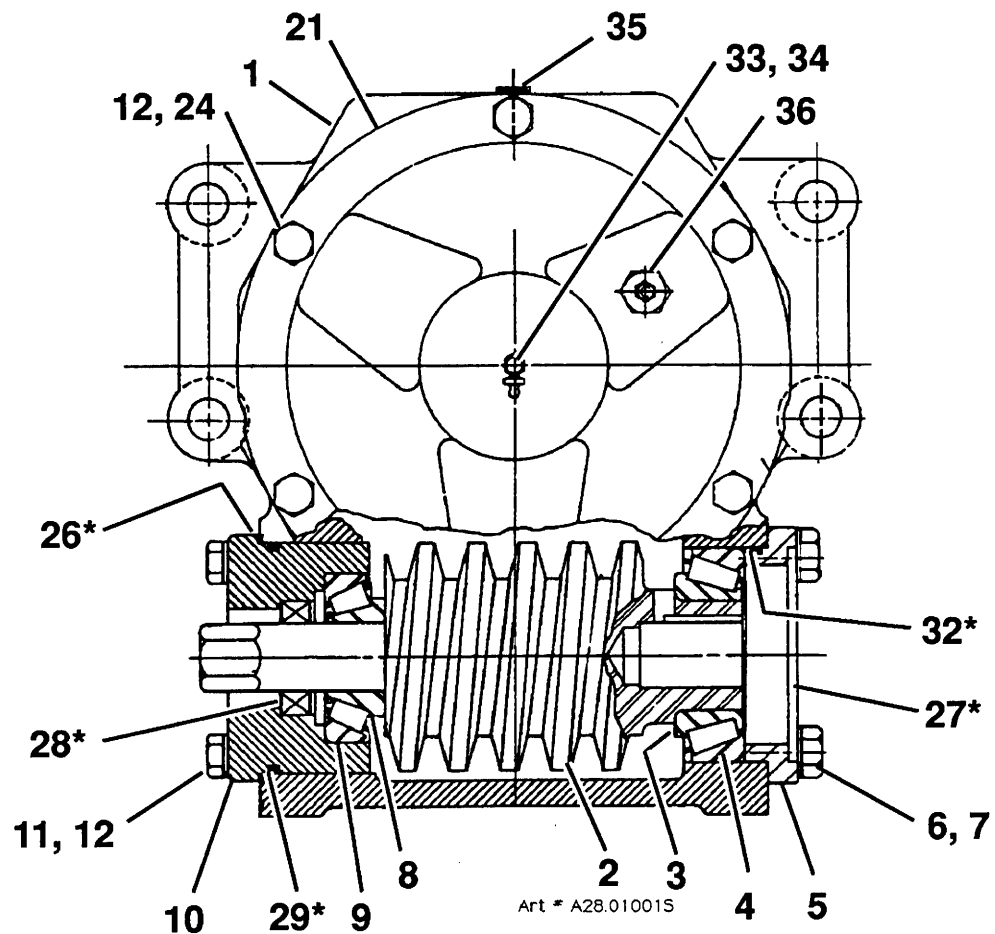
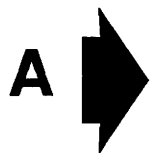
PART NO.

02-022100



Art # A28.01002S

Cutaway view in direction of Arrow "A"



Art # A28.01001S

TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

NEW. 12/11/91

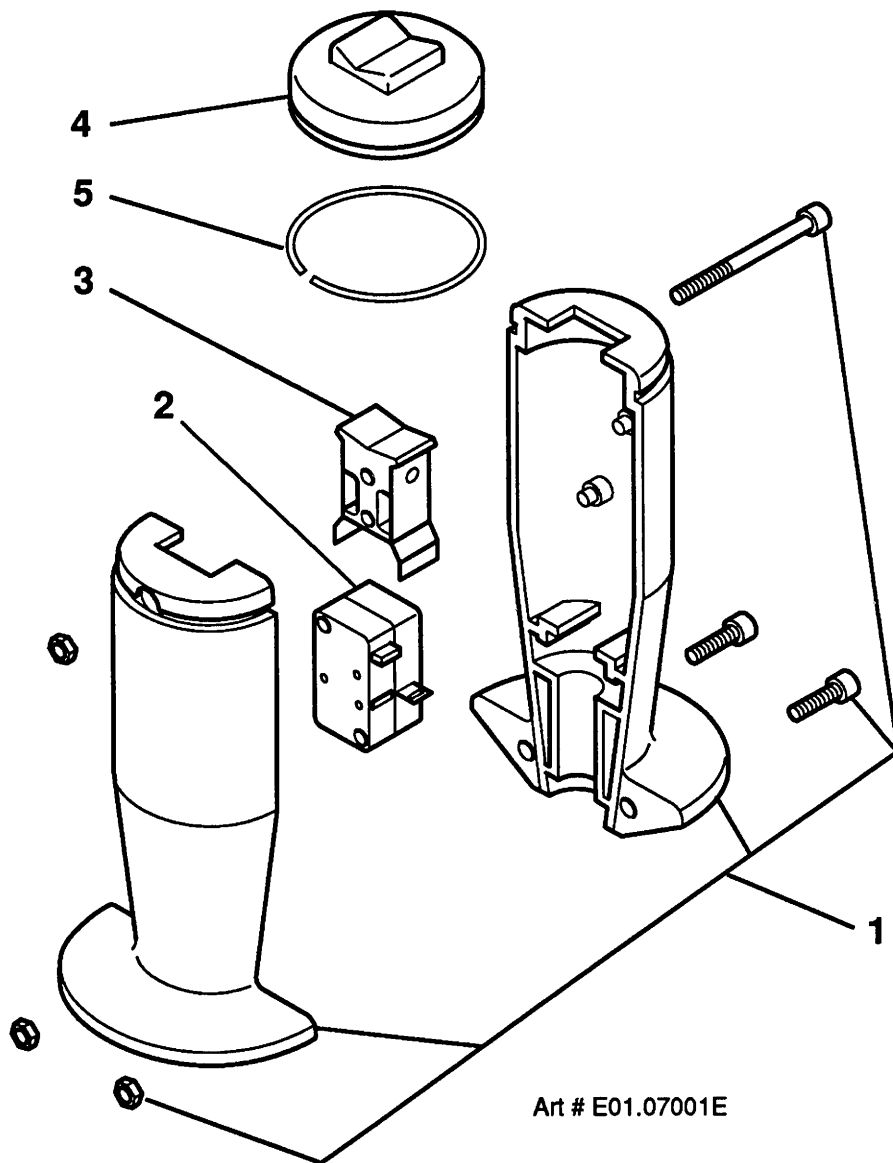
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PLATE NO. 28.01

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

03-402200



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 09/11/91

PART
NO.

03-402200

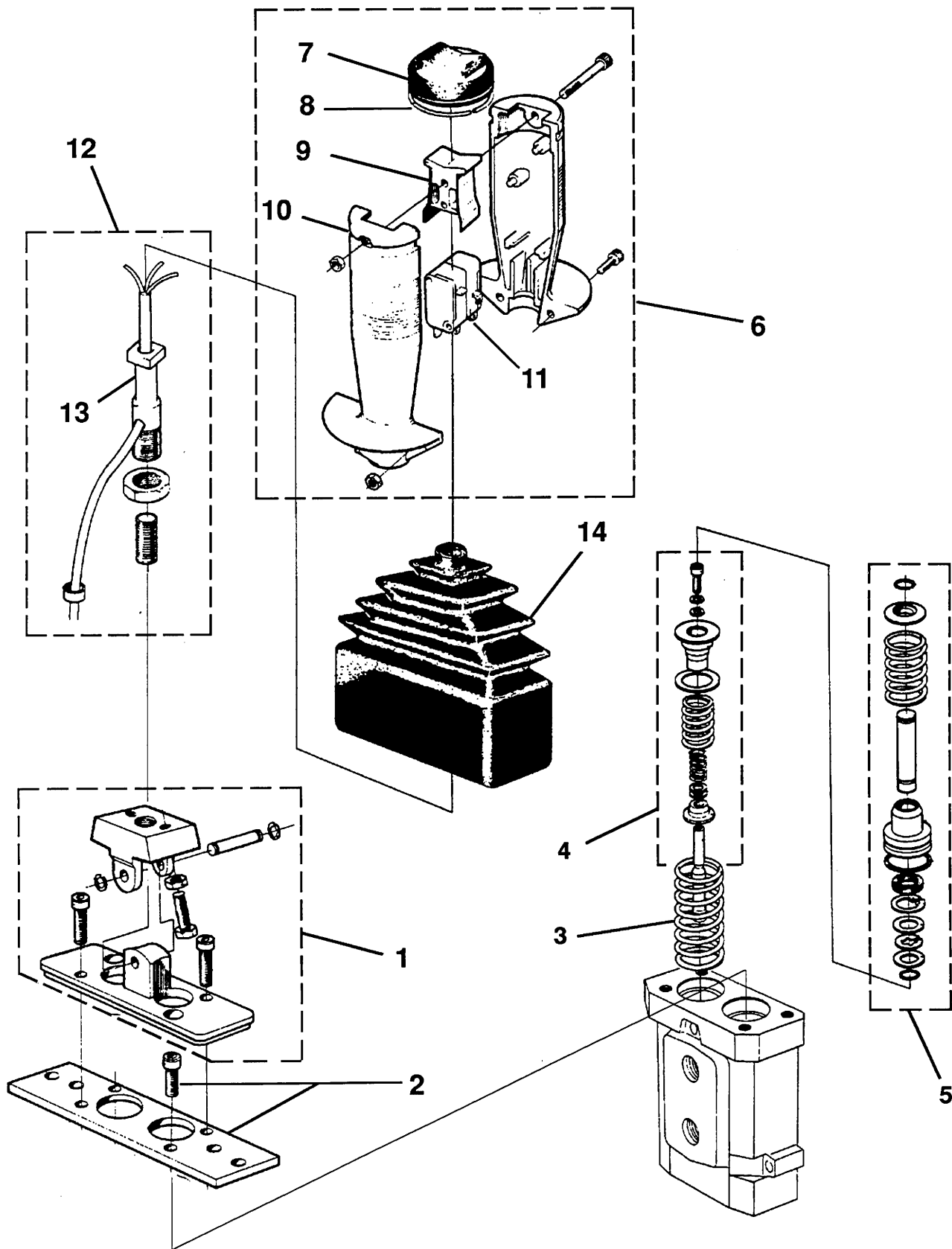
PLATE
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29.04

[illegible]

VALVE, DRIVE CONTROLLER

01-083400



TITLE

VALVE, DRIVE CONTROLLER

SIMON AERIALS INC.

REV. 23 AUG., 1993

PART
NO.

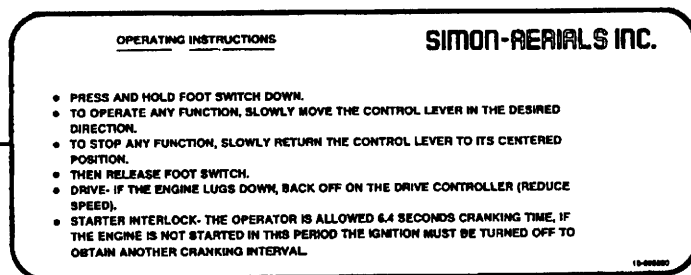
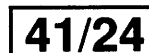
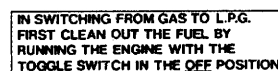
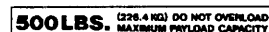
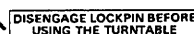
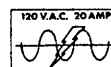
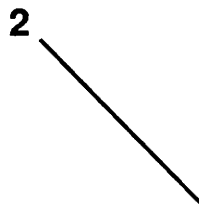
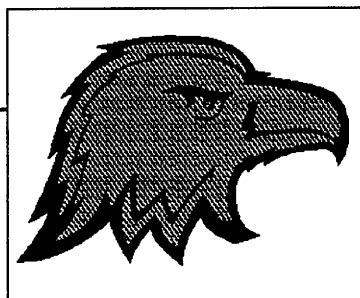
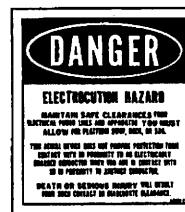
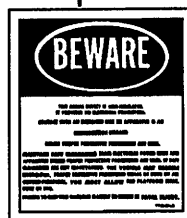
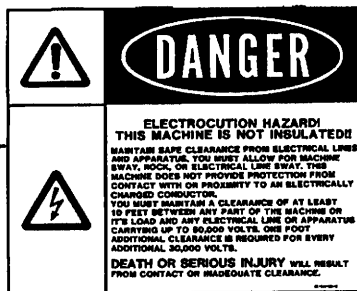
01-083400

PLATE
NO.

29.05

PARTS LIST

ITEM	PART NUMBER	SEC.	DESCRIPTION	QTY.
1	DKS41/24		KIT, SILVER EAGLE DECAL	1
2	10-007200		DECAL, DISENGAGE LOCK PIN	1
3	10-007600		DECAL, 120 VDC 20 AMP	1
4	10-013400		DECAL, 500 LBS PAYLOAD CAPACITY	1
5	10-017100		DECAL, LARGE SIMON	1
6	10-018900		DECAL, BEWARE POTENTIAL HAZARD	1
7	10-019000		DECAL, DANGER ELECTROCUTION HAZARD	1
8	10-024500		DECAL, 20 AMP CIRCUIT BREAKER	1
9	10-025000		DECAL, PROPANE CLEAN OUT	1
10	10-083200		DECAL, 41/24	2
11	10-084900		DECAL, DANGER ELECTROCUTION HAZARD	2
12	10-087800		DECAL, GAS OUT PROPANE IN	1
13	10-093800		DECAL, SILVER EAGLE	2
14	10-093900		DECAL, LOGO EAGLE	2
15	10-095800		DECAL, OPERATOR INSTRUCTIONS	1
DESCRIPTION			PART NO.	
DECALS				



DESCRIPTION

DECALS

PART NO.