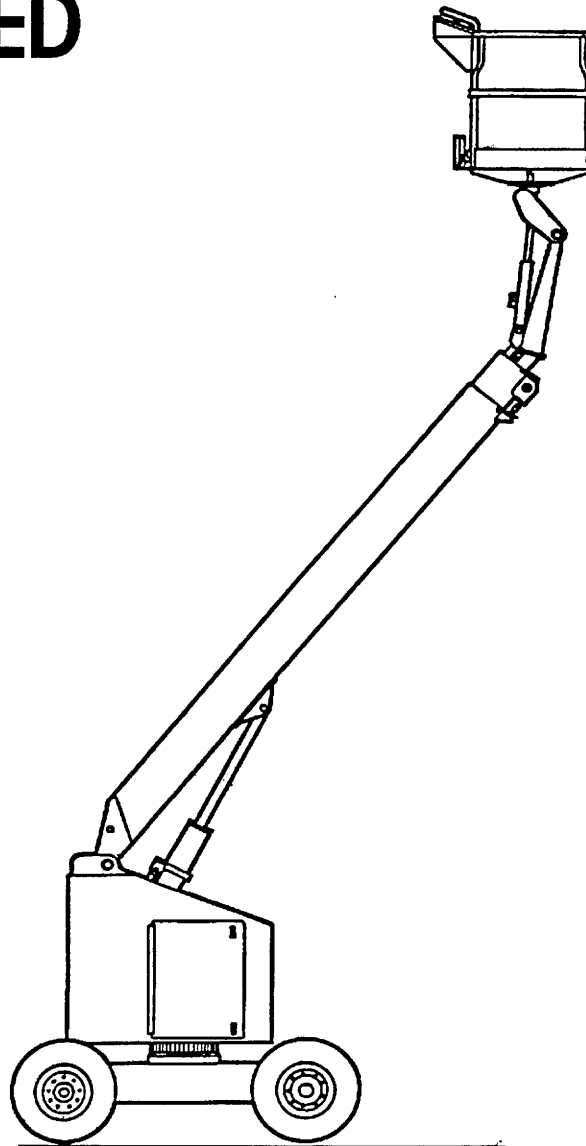


MODEL MPN 30

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-131005

INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON MP SERIES SELF-PROPELLED AERIAL WORK PLATFORMS. The "MP" Series includes "MP", "MPE", "MPH", "MPL", "MPN", "MP ... Z", and "IMP" models. 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 "Primary Machine Component Groups" page illustrates the four major assemblies, along with their "Section" number.

The Parts Catalog is divided into "Sections", numbered from B 1 through F 99. Each section contains the individual parts that make up a major component, assembly or item.

- The first four sections (B 1 through B 4) contain the major assemblies, or "Primary Machine Component Groups".
- Sections that follow contain sub-assemblies or components of these "major" assemblies.
 - Section C contains Subassemblies,
 - Section D contains Hydraulic Components,
 - Section E contains Electrical Components, and
 - Section F contains Mechanical Components.

Because of the "custom" nature of the MP Series machines, the index of this Parts Catalog is structured to indicate the components of specific units by serial number. The "Section Index" pages list the sections, page numbers and page titles that are relevant to this model, and that are contained in this Catalog. Some pages not referring specifically to YOUR PARTICULAR MACHINE may be included in this Catalog.

The serial number of YOUR MACHINE can be found on the serial number plate located inside the engine compartment. This serial number will also be found at the top of the "Section Index", and the page plates showing the components of YOUR MACHINE will be found in the column beneath that serial 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).

Serial Number for your machine: **MPN00**

SECTION INDEX

		MACHINE SERIAL NUM					
		Other	Other	Other	Your No	Other	Other
B 1	Undercarriage Assembly	.01	.01 .18	.10		.12	.12
B 2	Superstructure Assembly	.05	.08	.08	.11	.15	.17
B 3	Boom Assembly					.08	.11

D 6	Swing Motor						
D 7	Emergency Pump	.04	.04	.04	.04	.04	.04
D 8	Main Hydraulic Pump	.08	.08	.13	.13	.13	.13

Art # A00.00028

All Main Hydraulic Pumps are found in Section D8.

Your Main Hydraulic Pump will be found on Plate D08.13.

When ordering parts, always give:

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

Items with indented descriptions are components of the non-indented item directly above.

If a part number, blank space, or an indication "SEE INDEX" in the "PART NO." column of the page plate is followed by a plate number in the "SEE SECTION" column, refer to the "Section Index", and the plate indicated for YOUR PARTICULAR MACHINE to see a further breakdown of components for that part. If no plate number is listed in the "Section Index" column for YOUR PARTICULAR MACHINE, a check of page plates listed for other serial numbers may help identify SIMILAR parts.

Serial Number for your machine

SECTION INDEX

		MACHINE SERIAL NUM					
		Other	Other	Other	Your No.	Other	Other
B 1	Undercarriage Assembly	.01	.01	.10	.12	.12	
B 2	Superstructure Assembly	.05	.08	.08	.11	.15	.17
B 3	Boom Assembly					.08	.11

D 6	Swing motor						
D 7	Emergency Pump	.04	.04	.04	.04	.04	.04
D 8	Main Hydraulic Pump	.08	.08	.13	.13	.13	.13

Art # A00.00026

All Main Hydraulic Pumps are found in Section D8.

Your Main Hydraulic Pump will be found on Plate D08.13.

CAUTION

Parts that appear to be similar may in fact be quite different.

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. When in doubt, consult Simon Aerials Parts Department for assistance.

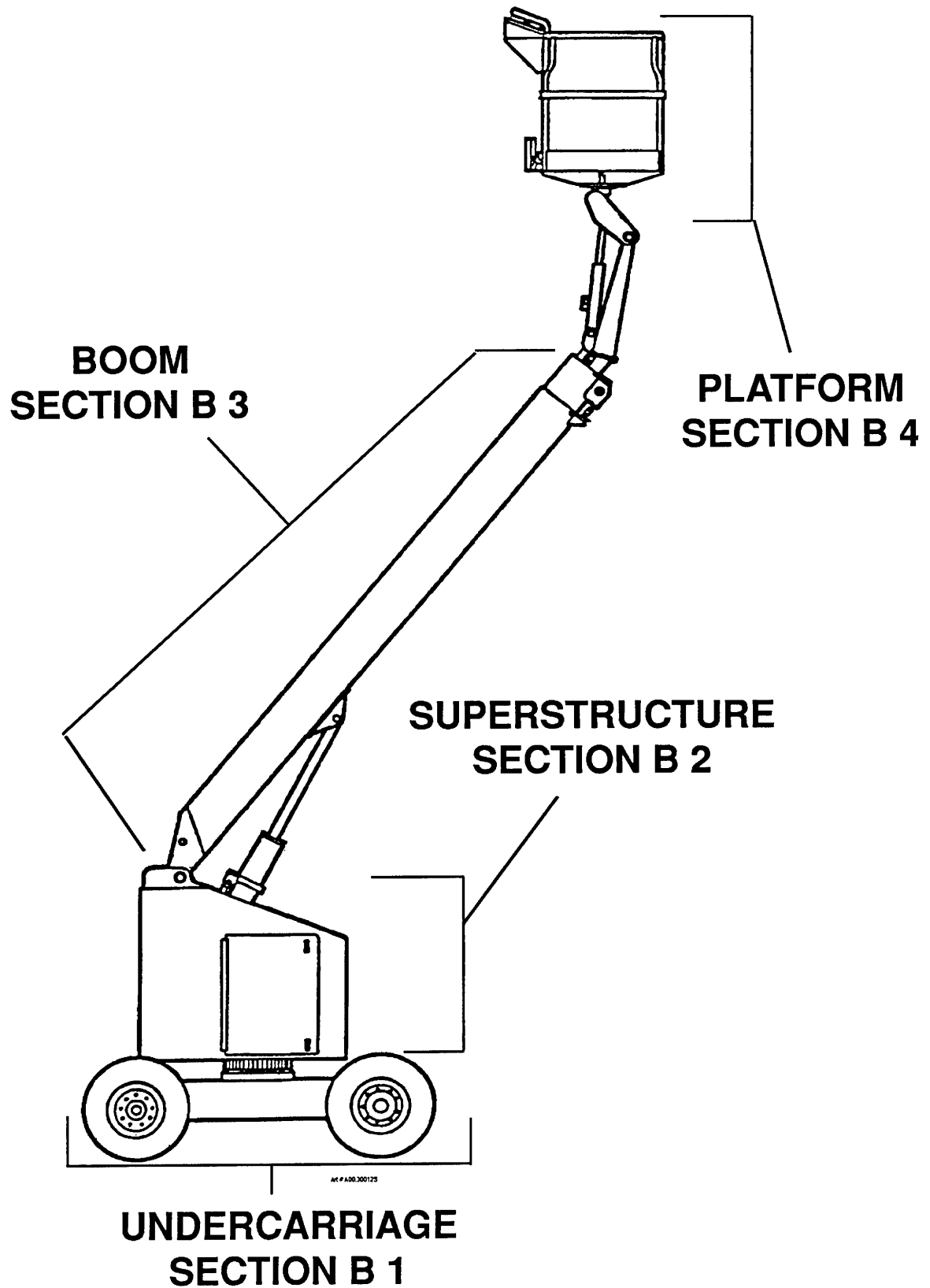
If a part number is not listed for a selected item, please provide this additional information:

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.

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 on most models; refer to large "FORWARD" arrow on top of undercarriage). All dimensions are in inches unless otherwise specified.

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

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



TITLE

PRIMARY MACHINE COMPONENT GROUPS

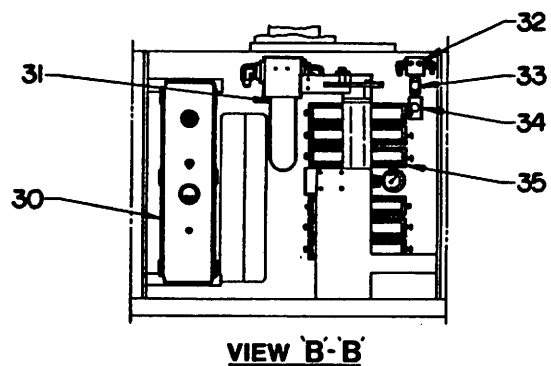
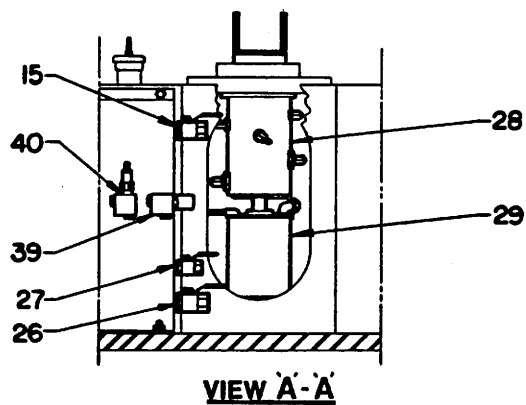
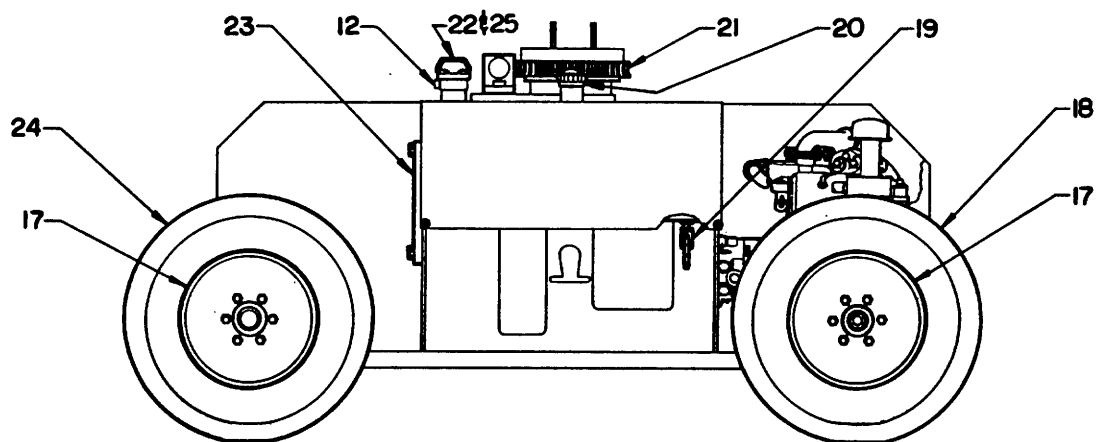
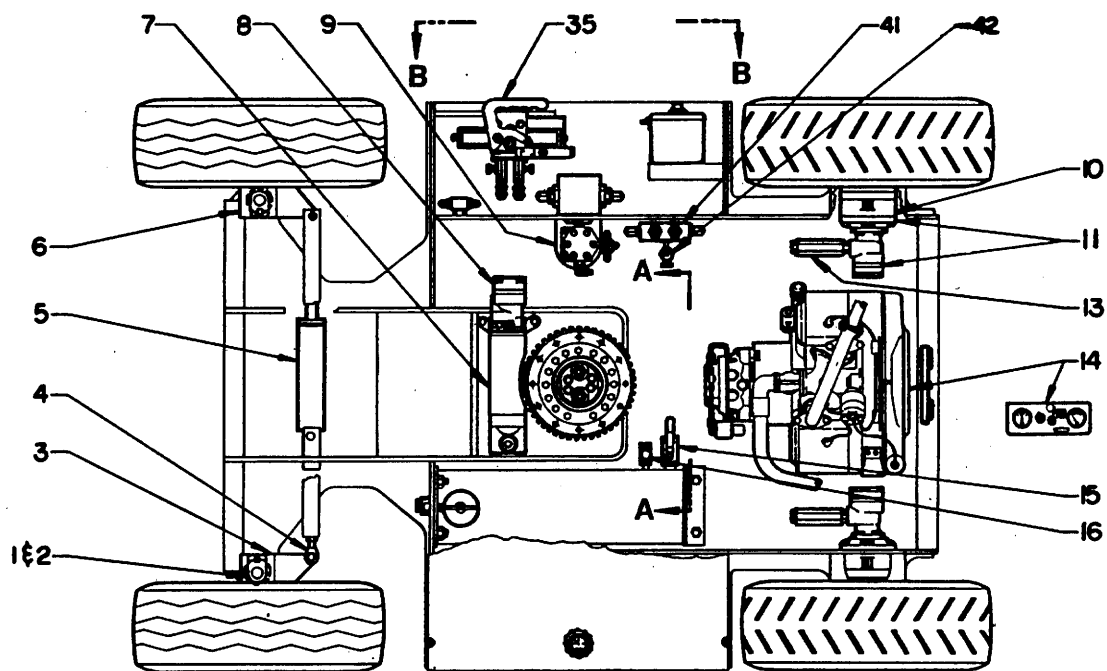
SIMON AERIALS INC.

PART
NO.PLATE
NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	08-002200		FLANGE BEARING	4
2	08-004200		THRUST WASHER	2
3	SBW-206815-8	C1.4	L.H. SPINDLE ASSEMBLY	1
4	08-007100		TIE ROD END	1
5	SEE INDEX	D1	STEER CYLINDER	1
6	SBW-206814-9	C1.3	R.H. SPINDLE ASSEMBLY	1
7	CAA-206237-4	F2.3	SWING DRIVE	1
8	SEE INDEX	D6	SWING MOTOR	1
9	SEE INDEX	D7	EMERGENCY PUMP	1
10	SEE INDEX	F1	TORQUE HUB	2
11	SEE INDEX	D3	VEHICLE DRIVE MOTOR/BRAKE	2
12	01-008200		VENT PLUG W/FILTER	1
13	01-006700		FLOW CONTROL VALVE	4
14	SEE INDEX	C4	ENGINE ASSEMBLY	1
15	01-020600		SHUT OFF VALVE, 3/4"	1
16	01-000500		NEEDLE VALVE	1
17	SBW-200627-7		RIM	4
18	02-006400		DRIVE TIRE	2
19	01-032800		SHUT OFF VALVE, 1/4"	1
20	10-001300		FUEL CAP/GAUGE	1
21	08-008500		SWING BEARING	1
22	10-002100		HYDRAULIC FLUID CAP	1
23	10-033500	D12.2	SIGHT GAUGE	1
24	02-006500		STEER TIRE	2
25	10-001000		STRAINER	1
26	01-000100		SHUT OFF VALVE, 1 1/4"	1
27	01-002800		SHUT OFF VALVE, 1/2"	1
28	SEE INDEX	D2	HYDRAULIC SWIVEL	1
29	SEE INDEX	E4	ELECTRICAL SWIVEL	1
30	SEE INDEX	C3	GROUND CONTROL BOX	1
31	SEE INDEX	D11	HIGH PRESSURE FILTER	1
32	01-001400		SHUTTLE VALVE (TO 10/84)	1
33	01-000500		NEEDLE VALVE (TO 10/84)	1
34	01-012200		SEQUENCE VALVE (TO 09/84)	1
35	SEE INDEX	C2	VALVE BANK ASSEMBLY	1
36	10-109400		GROUND CONTROLS DECAL (NOT SHOWN)	1
37	10-024400		FUNCTION SPEED DECAL (NOT SHOWN)	1
38	10-024300		EMERGENCY POWER/CAB CONTROLS DECAL (NOT SHOWN)	1
39	01-034400		SOLENOID VALVE, PUMP UNLOADING (06/84)	1
40	01-011400		RELIEF VALVE, MAX. PUMP PRESSURE (06/84)	1
41	01-012400		MOTION CONTROL VALVE (10/84)	1
42	01-000500		NEEDLE VALVE (11/84)	1
DESCRIPTION			PART NO.	
UNDERCARRIAGE ASSEMBLY			CAA-206245-7	

B1.2



0784/0384

DESCRIPTION

UNDERCARRIAGE ASSEMBLY

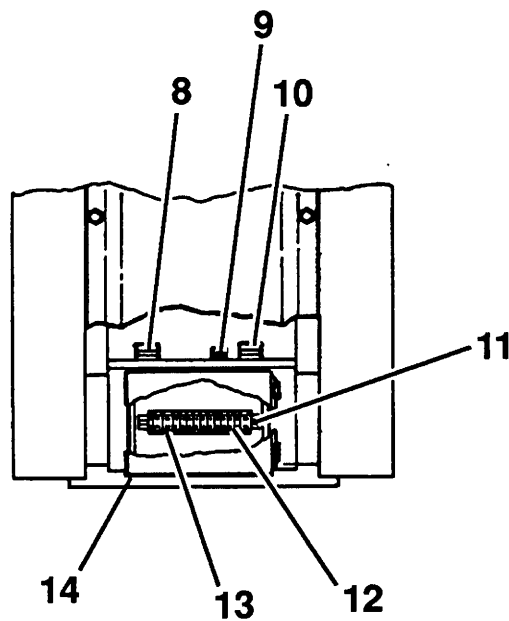
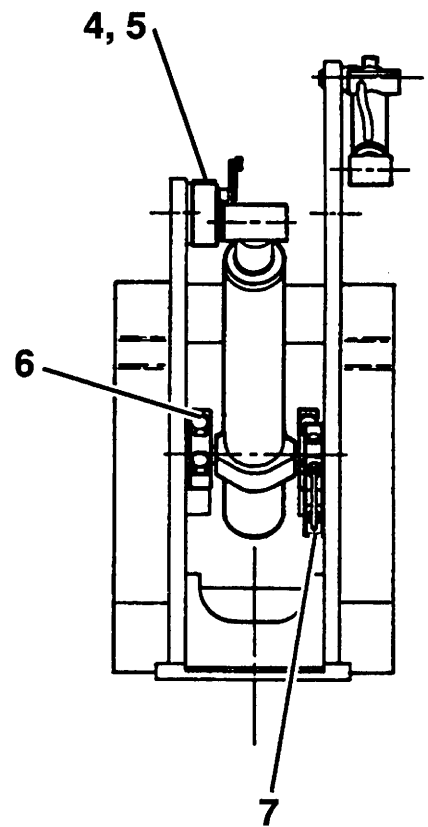
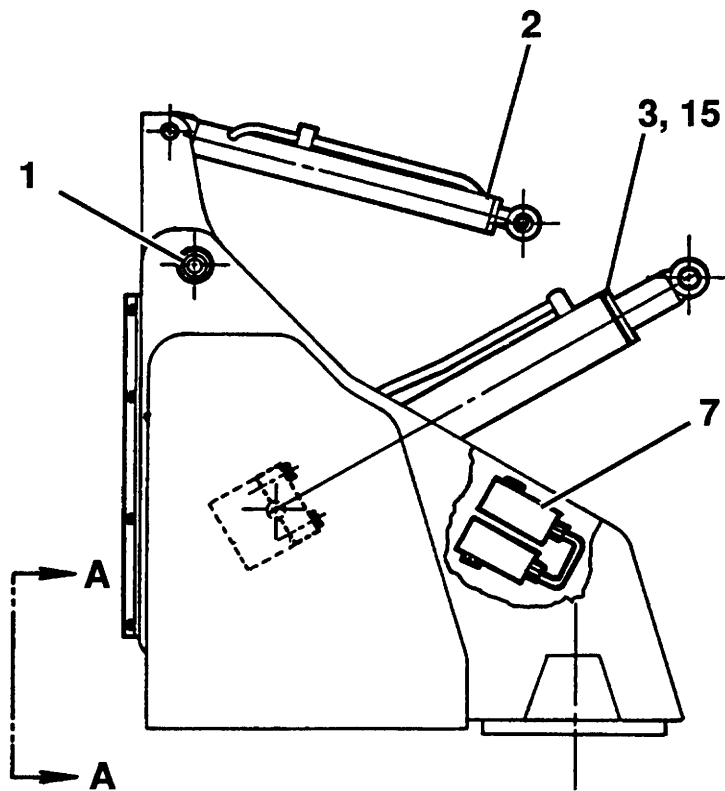
PART NO.

CAA-206245-7

[illegible]

SUPERSTRUCTURE ASSEMBLY, MPN 30

2062446



VIEW "A - A"

TITLE

SUPERSTRUCTURE ASSEMBLY, MPN 30

SIMON AERIALS INC.

REV. 22 APR., 1993

PART
NO.

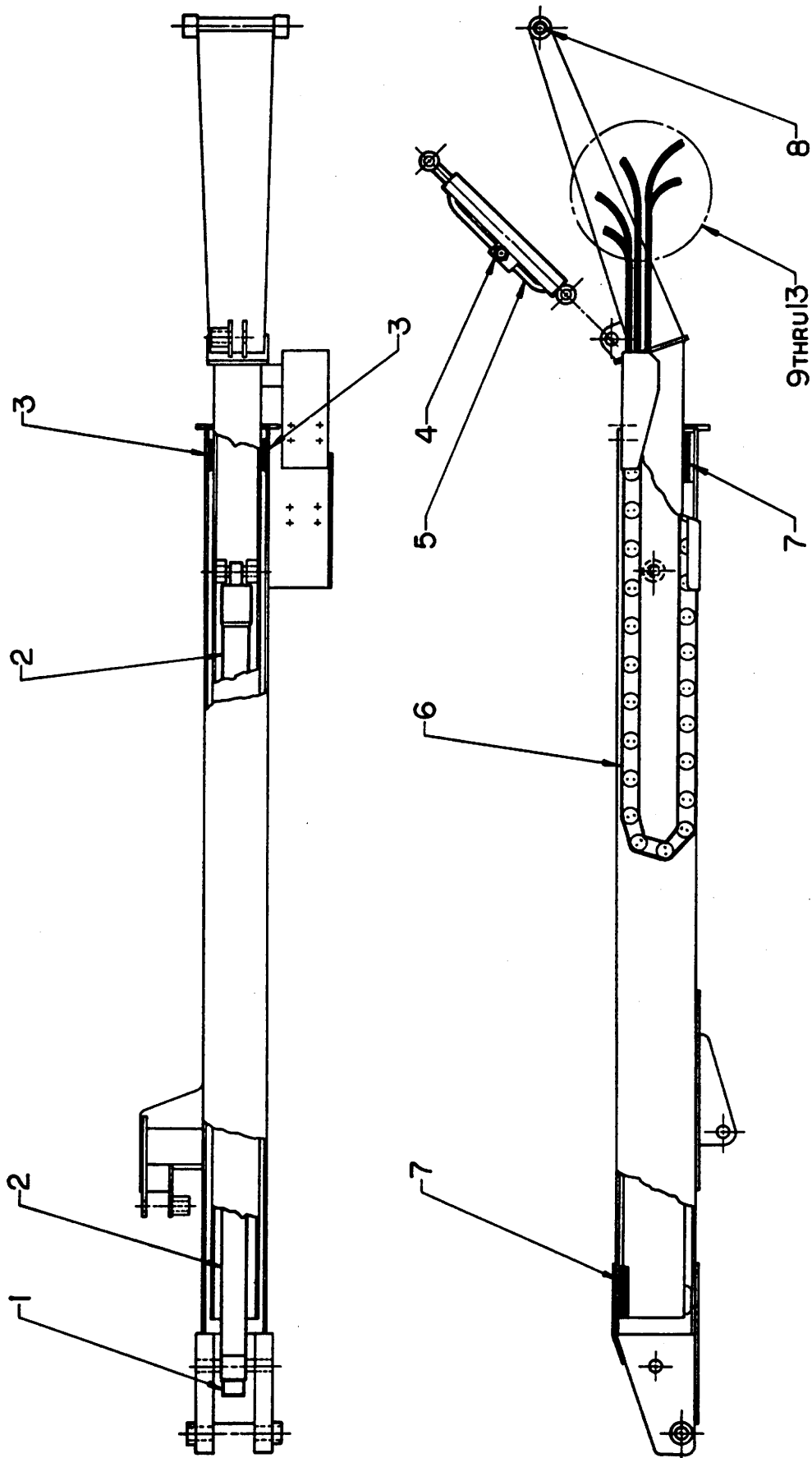
2062446

PLATE
NO.

B02.02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-003600		HOLDING VALVE, EXTEND CYLINDER	1
2	SEE INDEX	D19	EXTEND CYLINDER	1
3	SBD-207035-7		SLIDER PAD	4
4	SEE INDEX	D21	HOLDING VALVE, SLAVE LEVELING CYLINDER	1
5	SEE INDEX	D20	SLAVE LEVELING CYLINDER	1
6	08-013000		HOSE TRACK	1
7	SAD-206867-7		SLIDER PAD	2
8	08-002200		BUSHING, PLATFORM PIVOT	2
9			HYDRAULIC HOSE, HPC PRESSURE	1
10			HYDRAULIC HOSE, HPC RETURN	1
11			HYDRAULIC HOSE, LEVEL CYLINDER ROD	1
12			HYDRAULIC HOSE, LEVEL CYLINDER CASE	1
13	03-085000		MULTI CONDUCTOR CABLE	40FT.
DESCRIPTION			PART NO.	
BOOM ASSEMBLY			CAA-206238-9	



0484/0384

DESCRIPTION

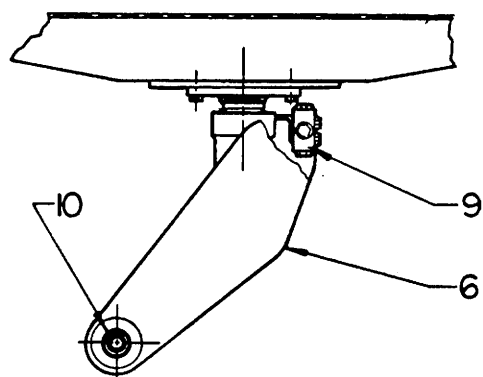
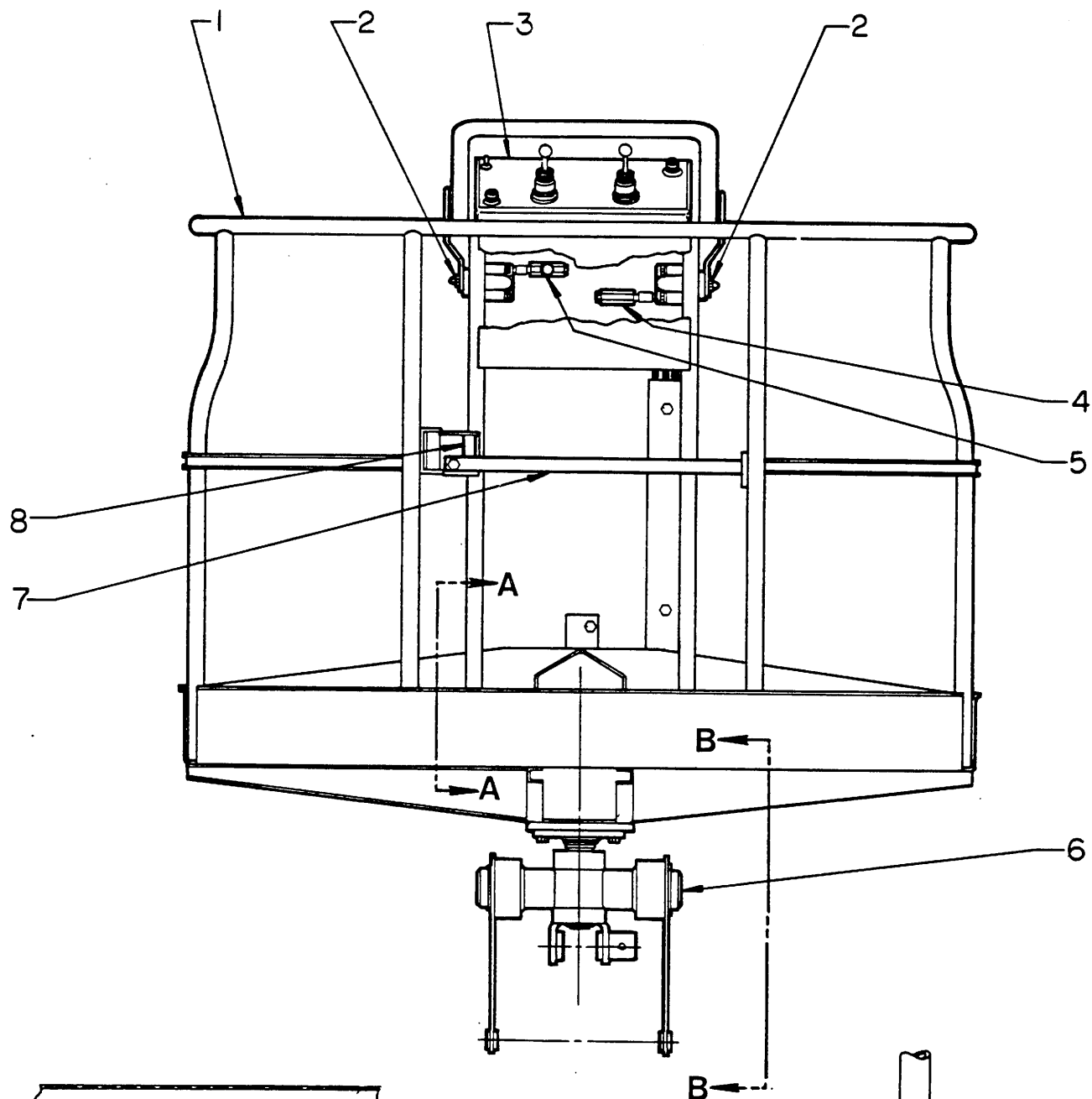
BOOM ASSEMBLY

PART NO.

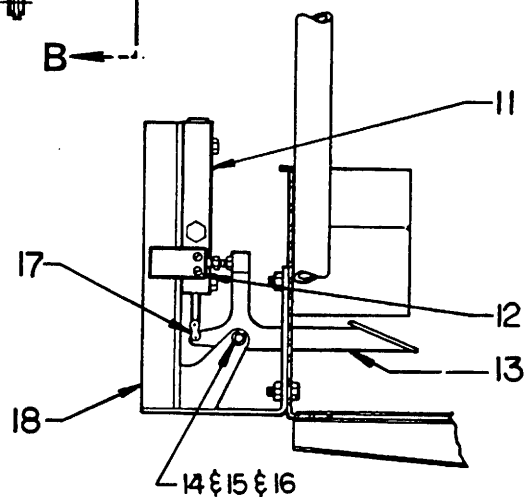
CAA-206238-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			PLATFORM WELDMENT	1
2	SEE INDEX	D14	4-WAY MANUAL VALVE (ROTATE & LEVELING)	2
3	SEE INDEX	C8	PLATFORM CONTROL CONSOLE ASSEMBLY	1
4	01-020800		CHECK VALVE	1
5	01-000500		NEEDLE VALVE	1
6	SEE INDEX	D24	ROTARY ACTUATOR	1
7	SBD-204166-9		GATE	1
8	08-010100		SPRING	1
9	01-001900		DOUBLE LOCK VALVE	1
10	08-002500		SLEEVE BEARING	2
11	SEE INDEX	D5	HPC VALVE	1
12	03-026600		LIMIT SWITCH	1
13	SCD200514-6		FOOT PEDAL	1
14	SAD-203389-3		PIN	1
15	08-047000		SNAP RING	2
16	08-010500		FLANGE BEARING	2
17	08-010200		LINK ASSEMBLY	1
18	SBW205692-0		MOUNTING BRACKET, FOOT PEDAL	1
DESCRIPTION			PART NO.	
PLATFORM ASSEMBLY (180° ROTATING)			CAA-206239-6	



VIEW B-B



VIEW A-A

0584/0384

DESCRIPTION

PLATFORM ASSEMBLY (180° ROTATING)

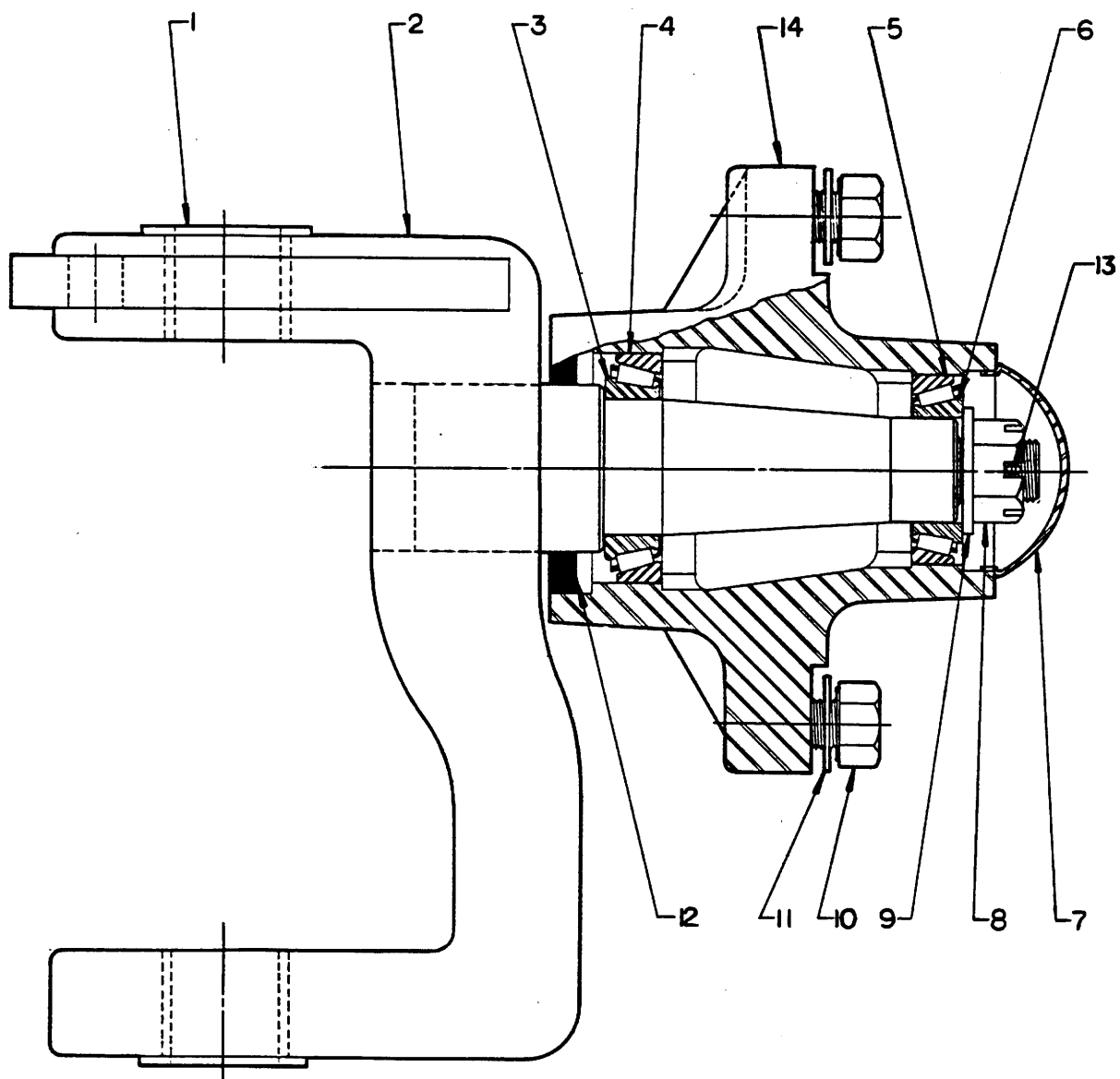
PART NO.

CAA-206239-6

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	08-002200		FLANGE BUSHING	2
2			SPINDLE WELDMENT R.H.	1
3			BEARING CONE	1
4			BEARING CUP	1
5			BEARING CUP	1
6			BEARING CONE	1
7			GREASE CAP	1
8			SLOTTED HEX NUT, 3/4-16 UNF	1
9			FLATWASHER, 3/4	1
10	07-004606		HEX HEAD CAP SCREW	6
11			FLATWASHER, 9/16 SAE HARDENED	6
12			SHAFT SEAL	1
13			COTTER KEY	1
14			HUB	1
DESCRIPTION			PART NO.	
SPINDLE ASSEMBLY R.H.			SBW-206814-9	

212



0484/0484

DESCRIPTION

SPINDLE ASSEMBLY, R.H.

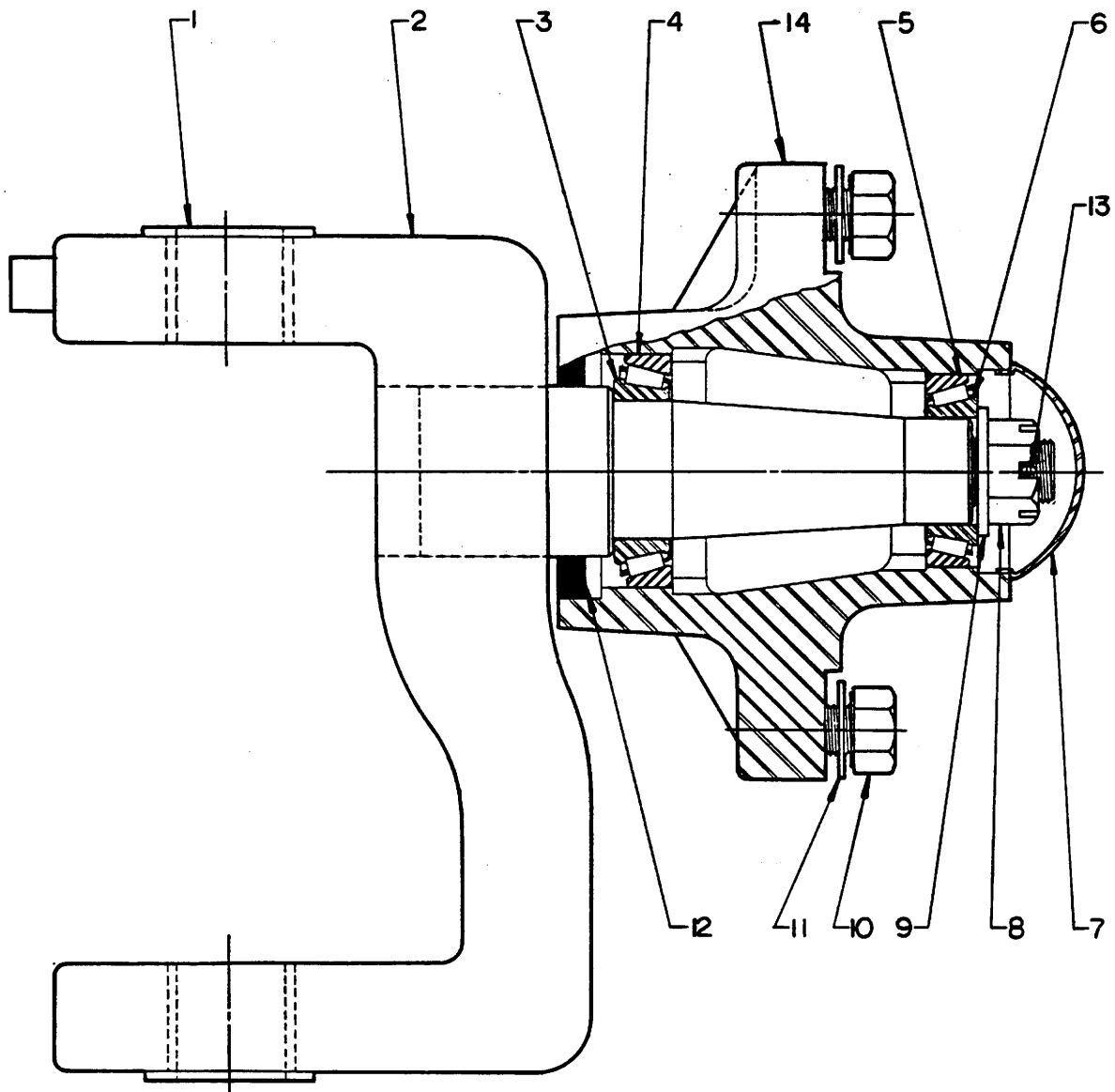
PART NO.

SBW-206814-9

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	08-002200		FLANGE BUSHING	2
2			SPINDLE WELDMENT L.H.	1
3			BEARING CONE	1
4			BEARING CUP	1
5			BEARING CUP	1
6			BEARING CONE	1
7			GREASE CAP	1
8			SLOTTED HEX NUT, 3/4-16 UNF	1
9			FLATWASHER, 3/4	1
10	07-004606		HEX HEAD CAP SCREW	6
11			FLATWASHER, 9/16 SAE HARDENED	6
12			SHAFT SEAL	1
13			COTTER KEY	1
14			HUB	1
DESCRIPTION			PART NO.	
SPINDLE ASSEMBLY L.H.			SBW-206815-8	

01.4



0484/0484

DESCRIPTION

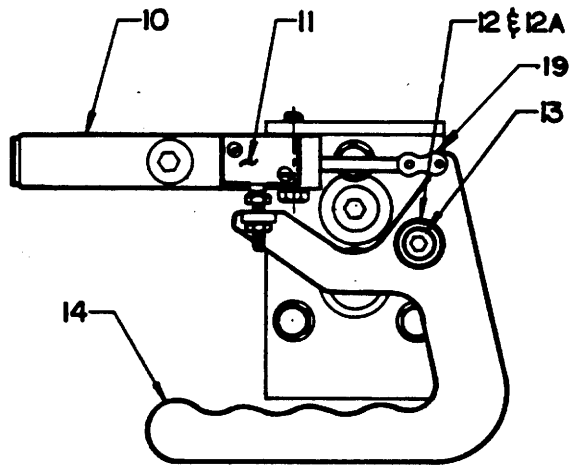
SPINDLE ASSEMBLY L.H.

PART NO.

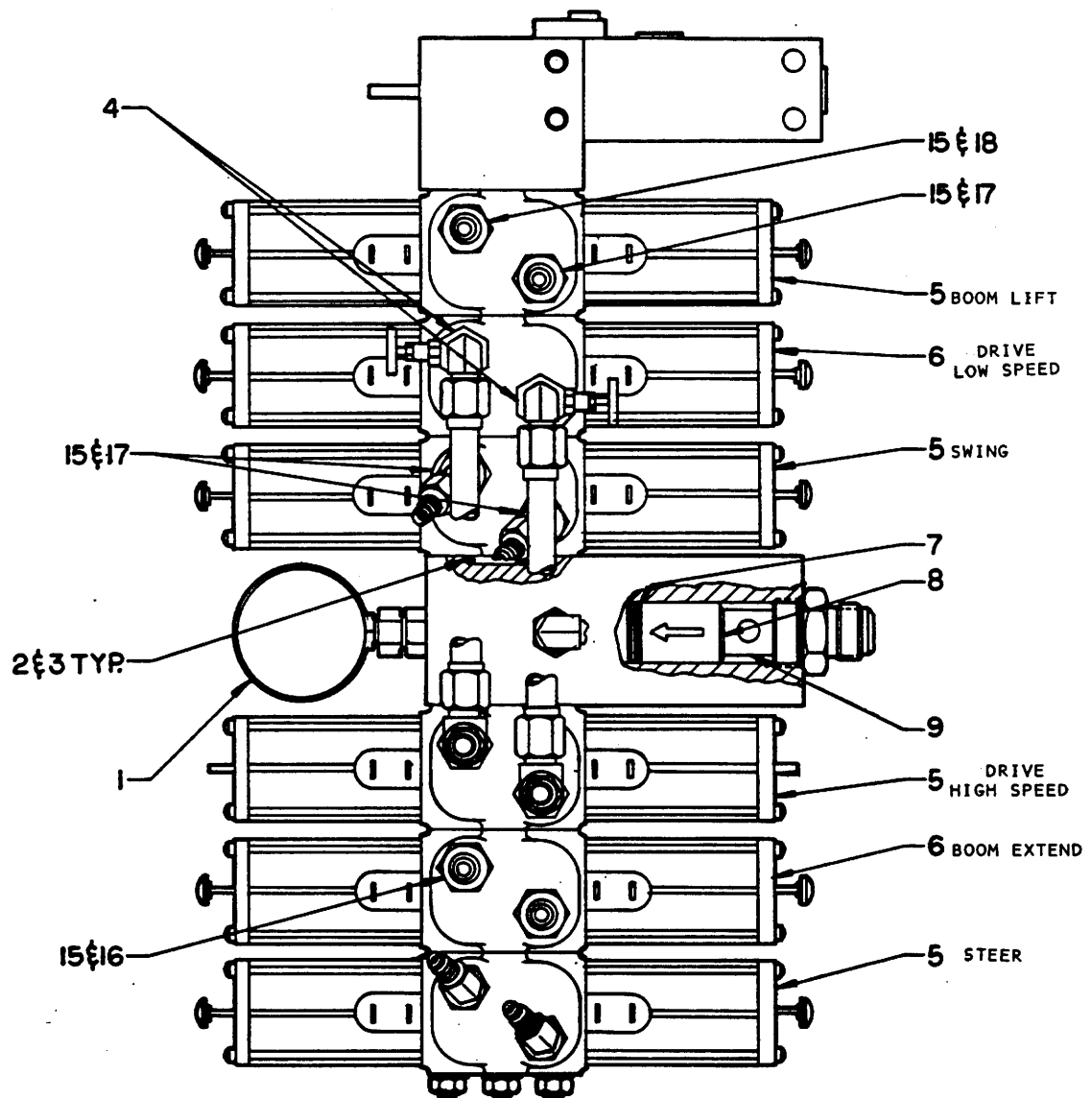
SBW-206815-8

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000		PRESSURE GAUGE	1
2	01-031703		SEAL 1-1/16" O.D.	6
3	01-031702		SEAL 3/4" O.D.	6
4	01-032700		NEEDLE VALVE	2
5	01-031700	D13.1	SOLENOID VALVE, 4-WAY (CLOSED SPOOL)	4
6	01-031800	D13.2	SOLENOID VALVE, 4-WAY (MOTORING SPOOL)	2
7	01-034200		'O' RING	1
8	01-034100		CHECK VALVE	1
9	SBD-210510-9		SPACER	1
10	SEE INDEX	D5	HPC VALVE	1
11	03-065000		LIMIT SWITCH	1
12	SAM-257234-2		FLANGE BUSHING MODIFICATION	2
12A	08-013700		THRUST BEARING	1
13	07-002042		SHOULDER SCREW	1
14	SBD-207109-9		GROUND CONTROL HANDLE	1
15	07-060014		WASHER, 1/4 LIGHT	5
16	SBD-201509-1		FLOW DISC .234	1
17	SAD-207233-9		FLOW DISC .033	3
18	SBD-204409-7		FLOW DISC .052	1
19	08-010200		LINK ASSEMBLY	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY			CAA-206242-8	



TOP VIEW~HANDLE ASS'Y



0584/0384

DESCRIPTION

VALVE BANK ASSEMBLY

PART NO.

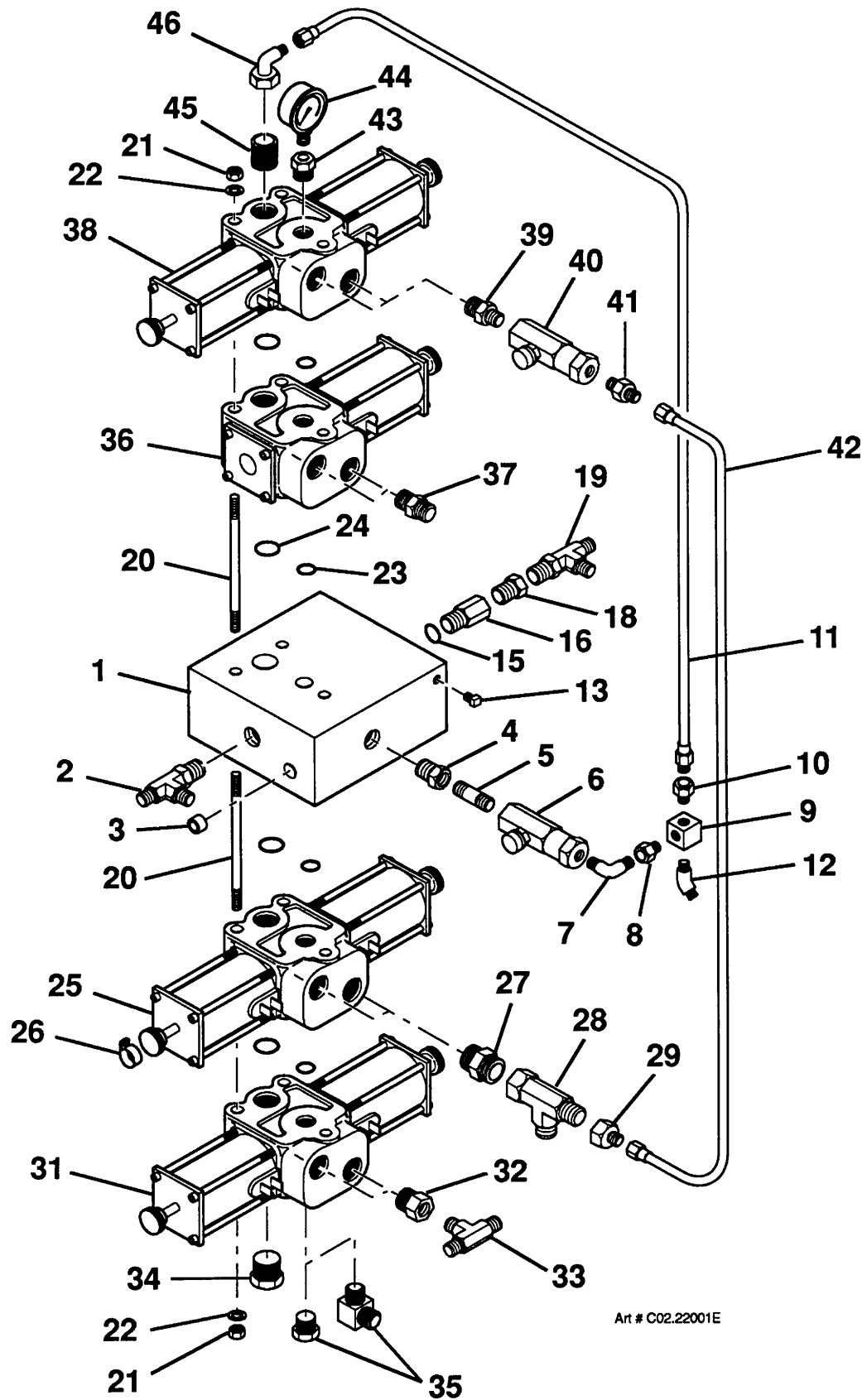
CAA-206242-8

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2025214		MANIFOLD, CONTROL VALVE	1
2	06-044800		ELBOW, STRAIGHT THREAD (8 C50X) (used on models without steering relief valves)	1
			TEE, STRAIGHT THREAD (used on models with steering relief valves)	1
3	06-095100		PLUG, HOLLOW HEX (8 HP50N)	1
4	06-086800		ADAPTER, FEMALE PIPE (8-1/4 F50G)	1
5	06-076900		NIPPLE, PIPE THREAD ADAPTER (PH 1/4 FF)	1
6	01-012300		VALVE, FLOW CONTROL	1
7	06-082500		ELBOW, PIPE THREAD (1/4 CR)	1
8	06-086600		ADAPTER, FEMALE PIPE (6-1/4 F50G)	1
9	01-013800		VALVE, SHUTTLE	1
10			FITTING (6 F50X)	1
11	3516800		TUBE ASSEMBLY (Shuttle valve return line)	1
12	06-047000		ELBOW, 45° STRAIGHT THREAD (6 V50X)	1
13	06-000003		PLUG, HEX HEAD (1/4 HP)	1
14	06-041100		CONNECTOR, STRAIGHT THREAD (12-16 F50X) (not shown)	1
15	01-034200		"O"-RING (1.051" I.D.)	1
16	01-034100		VALVE, CARTRIDGE CHECK (3,000 PSI)	1
17	2015109		SPACER, CHECK VALVE (not shown)	1
18	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X)	1
19			TEE	1
20	2096568		ROD, THREADED (3/8"-16 x 6-1/4")	6
21	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
22	07-065016		WASHER, HELICAL LOCK (3/8")	6
23	01-031702		"O"-RING (3/4" O.D.)	4
24	01-031703		"O"-RING (1-1/16" O.D.)	4
25	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
26			BAND (to prevent manual operation of high speed valve)	2
27	06-040900		CONNECTOR, STRAIGHT THREAD (12-8 F50X)	2
28	06-054800		RUN TEE, SWIVEL NUT (12 R6X)	2
29	06-057800		NUT, TUBE (12 BTX)	2
30	06-060900		REDUCER, TUBE END (12-8 TRTX) (not shown)	2
31	01-031700	D13.01	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
32			REDUCER	2
33	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X) (used on models without steering relief valves)	2
			TEE, STRAIGHT THREAD (used on models with steering relief valves)	2

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

PLATE NO.	C02.22	SIMON AERIALS INC.	REV. 06/26/91	PART NO. 3511020
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Art # C02.22001E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 1 OF 2)

SIMON AERIALS INC.

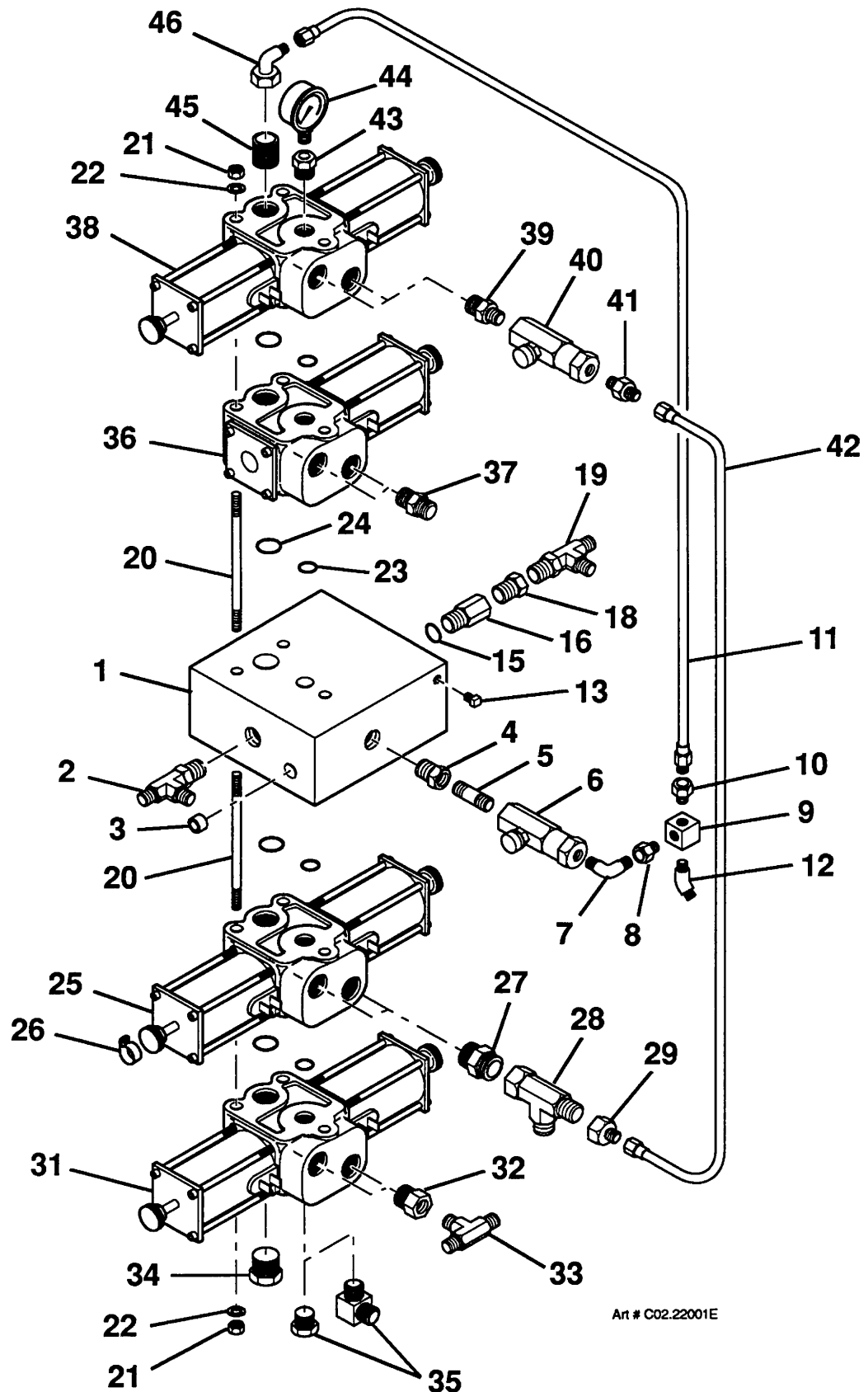
REV. 06/26/91

PART NO. 3511020

PLATE NO. C02.22

[illegible]

PLATE NO. C02.22	SIMON AERIALS INC.	REV. 06/26/91	PART NO. 3511020
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TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (FULL HYDRAULIC) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 06/26/91

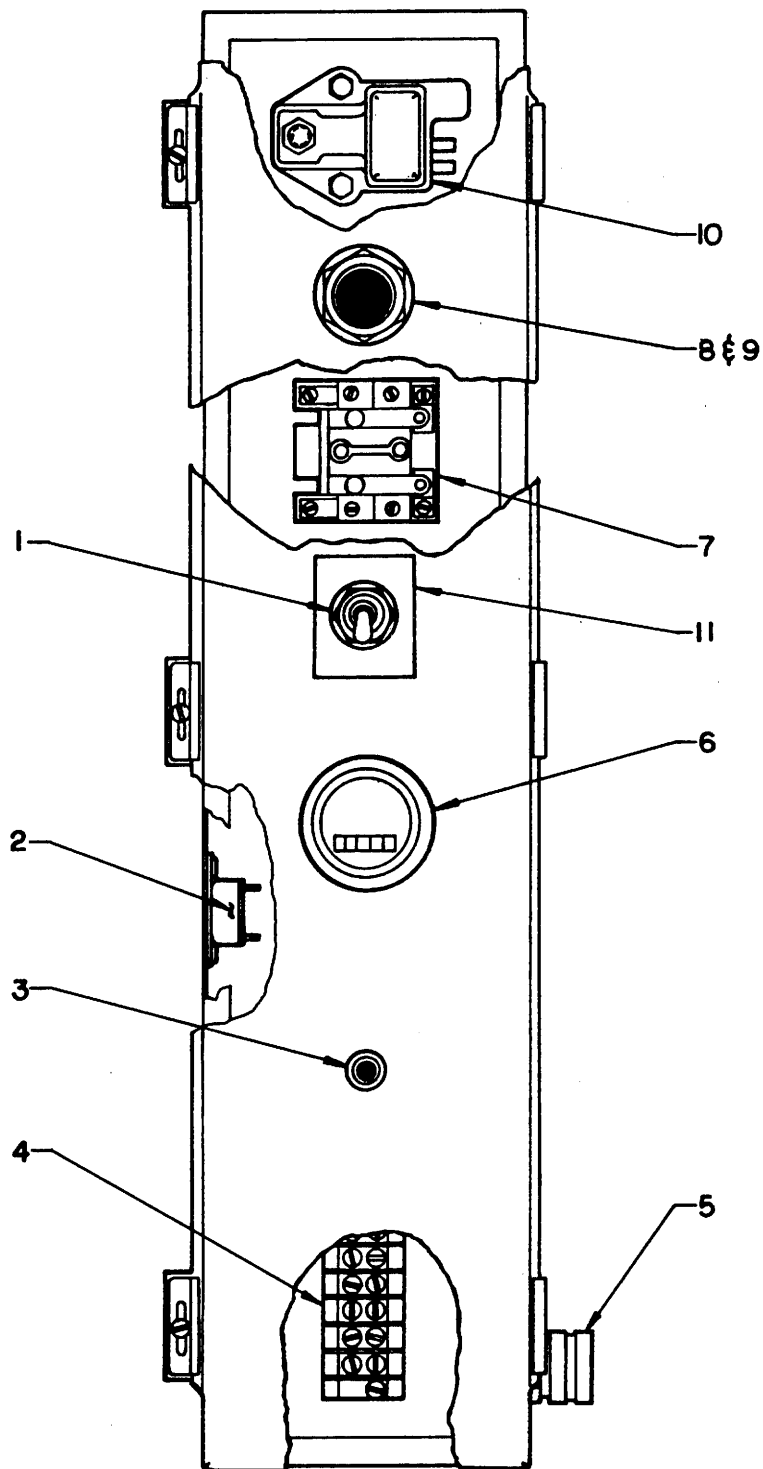
PART NO. 3511020

PLATE NO. C02.22

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020700		TOGGLE SWITCH, 4PDT (GROUND OVERRIDE)	1
2	03-024700		CIRCUIT BREAKER	1
3	03-024000		CIRCUIT BREAKER	1
4	03-060000		TERMINAL STRIP	1
5	03-063200		CORD GRIP, 3/4	2
6	03-030500		HOUR METER	1
7	03-050400		CONTROL RELAY, DPST	1
8	03-021200		PUSH BUTTON OPERATOR (EMERGENCY PUMP)	1
9	03-025100		CONTACT BLOCK, N.O.	1
10	03-050200		HORN RELAY	1
11	10-016700		DECAL, PLATFORM/GROUND CONTROL	1
DESCRIPTION			PART NO.	
GROUND CONTROL BOX			CAA-206243-3	

c3.3



0584/ 0384

DESCRIPTION

GROUND CONTROL BOX

PART NO.

CAA-206243-3

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-016900	D8	ENGINE	1
2	03-051300		RELAY, STARTER	1
3	SCW-207097-5		COUPLING	1
4	01-034400		SOLENOID VALVE, PUMP UNLOADING	1
5	SEE INDEX		HYDRAULIC PUMP	1
6	03-021000		KEY SWITCH	1
7	03-020300		PUSHBUTTON, ENGINE START	1
9	09-016901		ELECTRIC FUEL PUMP *	1
10	09-016902		FUEL FILTER *	1
* NOT SHOWN				

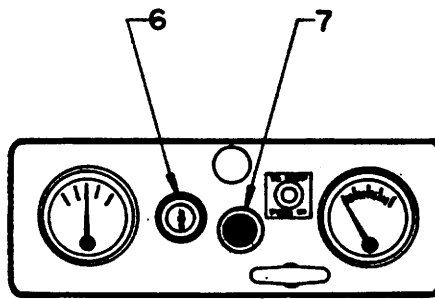
DESCRIPTION

GAS ENGINE ASSEMBLY

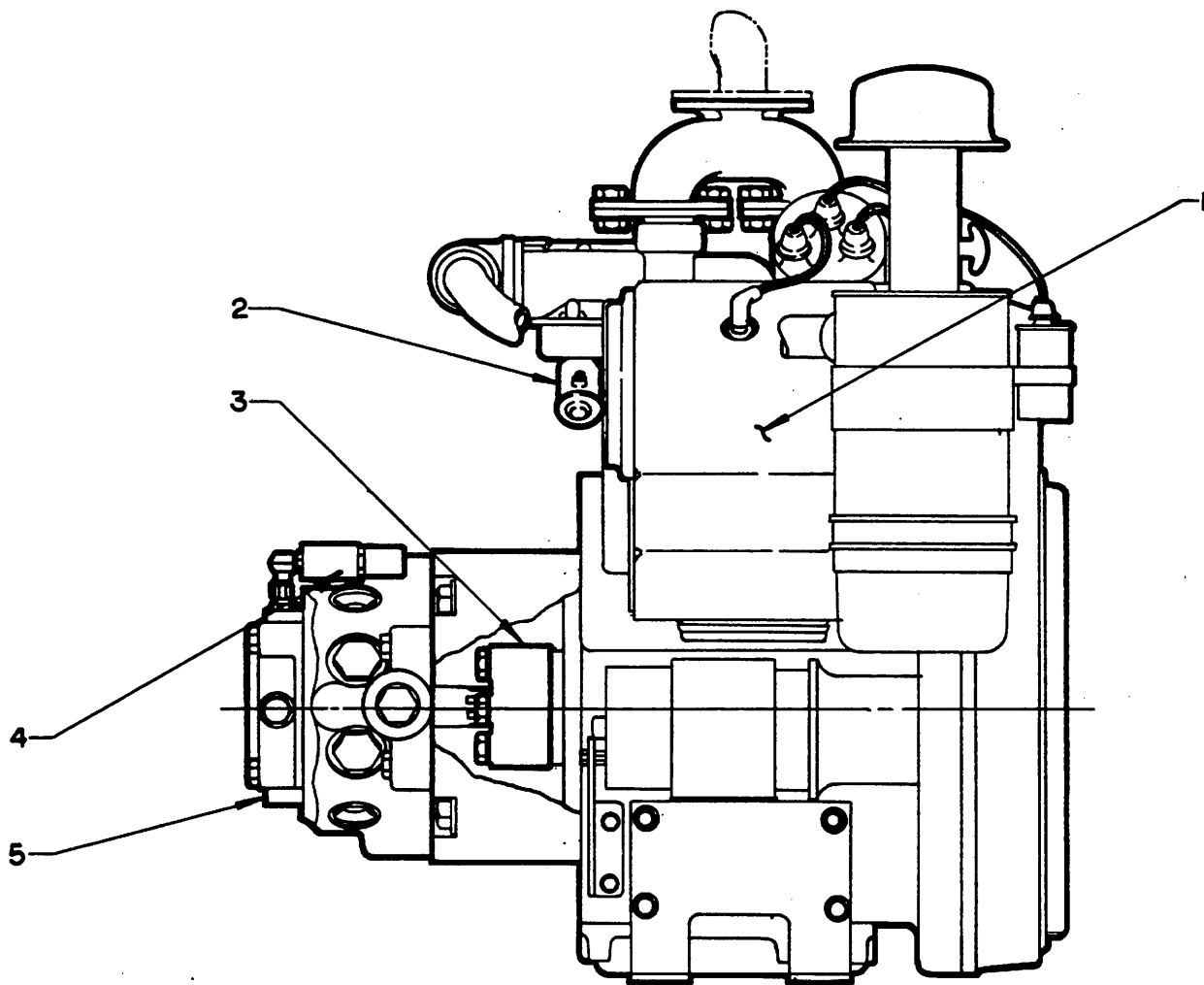
PART NO.

CAA-206241-1

C4.2



VIEW OF DASH PANEL



0584/0384

DESCRIPTION

GAS ENGINE ASSEMBLY

PART NO.

CAA-206241-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-016400	D8	ENGINE	1
2	09-000404		SOLENOID, THROTTLE/ RACK	2
3	09-016402		BALL JOINT, STRAIGHT	2
4	09-016403		BALL JOINT, 90°	2
5	03-051300		RELAY, STARTER	1
6			COUPLING	1
7	SEE INDEX		HYDRAULIC PUMP	1
8	03-030400		AMMETER	1
9	03-020300		PUSHBUTTON, STARTER	1
10	03-020400		TOGGLESWITCH (IGNITION, THROTTLE SPD.)	2
11	03-021000		KEYSWITCH	1
12	09-016401		FUEL FILTER/SEPERATOR (NOT SHOWN)	1

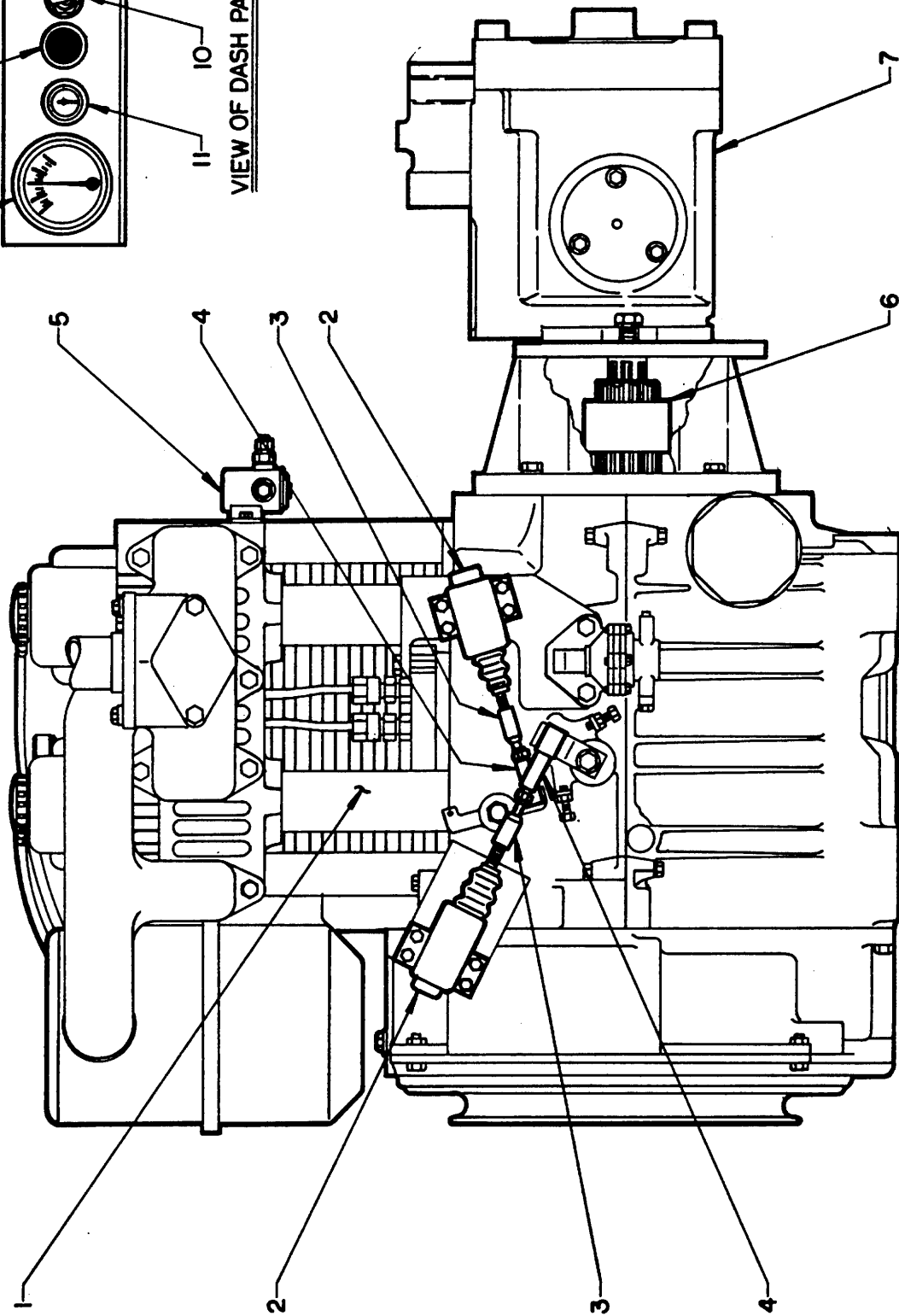
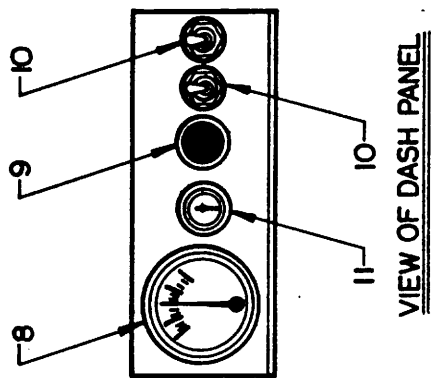
DESCRIPTION

DIESEL ENGINE ASSEMBLY

PART NO.

CAA-206256-5

24.5



0784/0684

DESCRIPTION

DIESEL ENGINE ASSEMBLY

PART NO.

CAA-206256-5

PARTS LIST

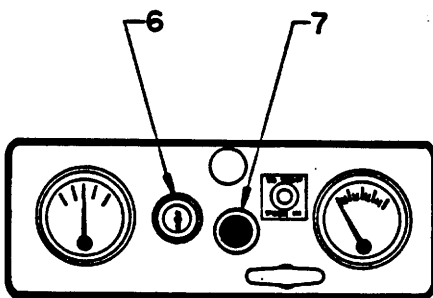
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-016900	D8	ENGINE	1
2	03-051300		RELAY, STARTER	1
3	09-018500		COUPLING	1
4	SEE INDEX		HYDRAULIC PUMP	1
6	03-021000		KEYSWITCH	1
7	03-020300		PUSHBUTTON, ENGINE START	1
8	09-016901		ELECTRIC FUEL PUMP*	1
9	09-016902		FUEL FILTER*	1
			*NOT SHOWN	

DESCRIPTION

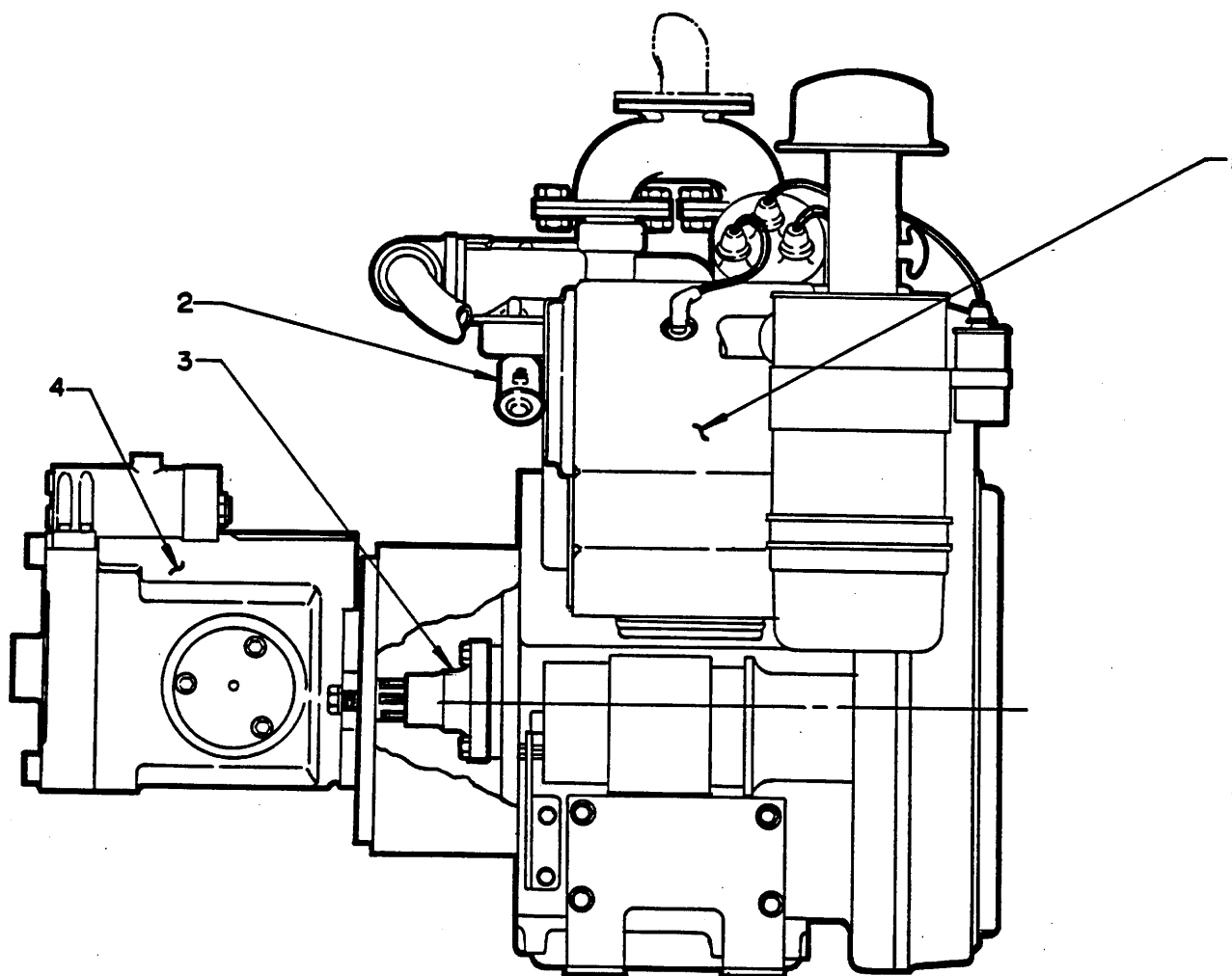
GAS ENGINE ASSEMBLY

PART NO.

CAA-207244-9



VIEW OF DASH PANEL



1084/1084

DESCRIPTION

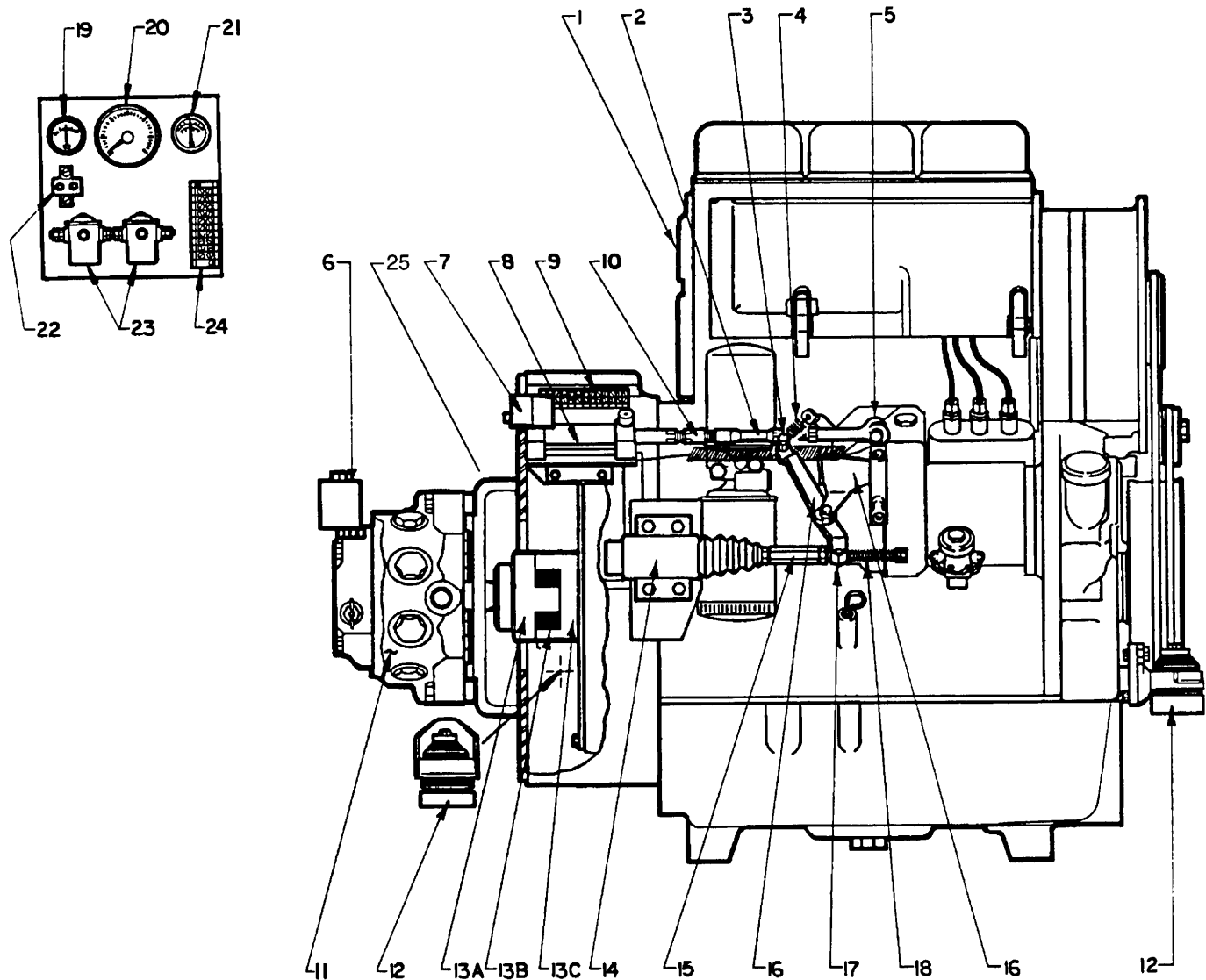
GAS ENGINE ASSEMBLY

PART NO.

CAA-207244-9

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-001300		ENGINE, DIESEL (Deutz Model F3L912)	1
2	09-016402	*	UNIVERSAL JOINT, STRAIGHT	1
3	09-019405	*	POST, HEX ADAPTER	1
4	09-019406	*	SPRING, EXTENSION	1
5			CLEVIS, THROTTLE	1
6	01-013700		VALVE, SOLENOID (pump unloading)	1
7	09-000405		VALVE, SOLENOID (throttle advance)	1
8	09-032000		CYLINDER, THROTTLE	1
8a	09-032001		CLEVIS	1
9	03-068000		BLOCK, TERMINAL	1
10	11-040008		COUPLING	1
11	See index .	D08. - -	PUMP, HYDRAULIC	1
12	09-006500		MOUNT, MOTOR	4
13	02-012600		COUPLING (complete) (Current style. Replaces Items 13a, 13b and 13c.)	1
13a	02-008501		BODY, COUPLING (pump half) (Superceded by 02-012600)	1
13b	02-008101		INSERT, SPIDER (Superceded by 02-012600)	1
13c	02-008503		BODY, FLANGE (engine half) (Superceded by 02-012600)	1
14	09-000404		SOLENOID, SHUT DOWN (Rack) (Horizontally mounted. Optional with Item 27)	1
15	09-019409	*	ROD, EXTENSION	1
16	09-019407	*	PIVOT LEVER ASSEMBLY	1
17	09-019403	*	SCREW, HEX HEAD	1
18	09-019404	*	SPRING, COMPRESSION	1
19	03-030400		AMMETER	1
20	09-000407		TACHOMETER	1
21	10-034200		GAUGE, OIL PRESSURE	1
22	03-024100		BREAKER, CIRCUIT (10 Amp)	1
23	03-051300		RELAY	2
24	03-068000		BLOCK, TERMINAL	1
25	2028196		ADAPTER, PUMP (old style)	1
26	09-019400		SHUT DOWN KIT Note: Items indicated by asterisk (*) are included in kit	1
27	09-001307		SOLENOID, SHUT DOWN (Rack) (Vertically mounted. Optional with Item 14)	1
28	09-041600		PIPE, EXHAUST (not shown)	1
TITLE DIESEL ENGINE ASSEMBLY				
PLATE NO.	C04.21	SIMON AERIALS INC.		PART NO. 2098102

REV. 24 AUG., 1994
THIS SHEET ONLY



TITLE

DIESEL ENGINE ASSEMBLY

SIMON AERIALS INC.

REV. 09/12/90

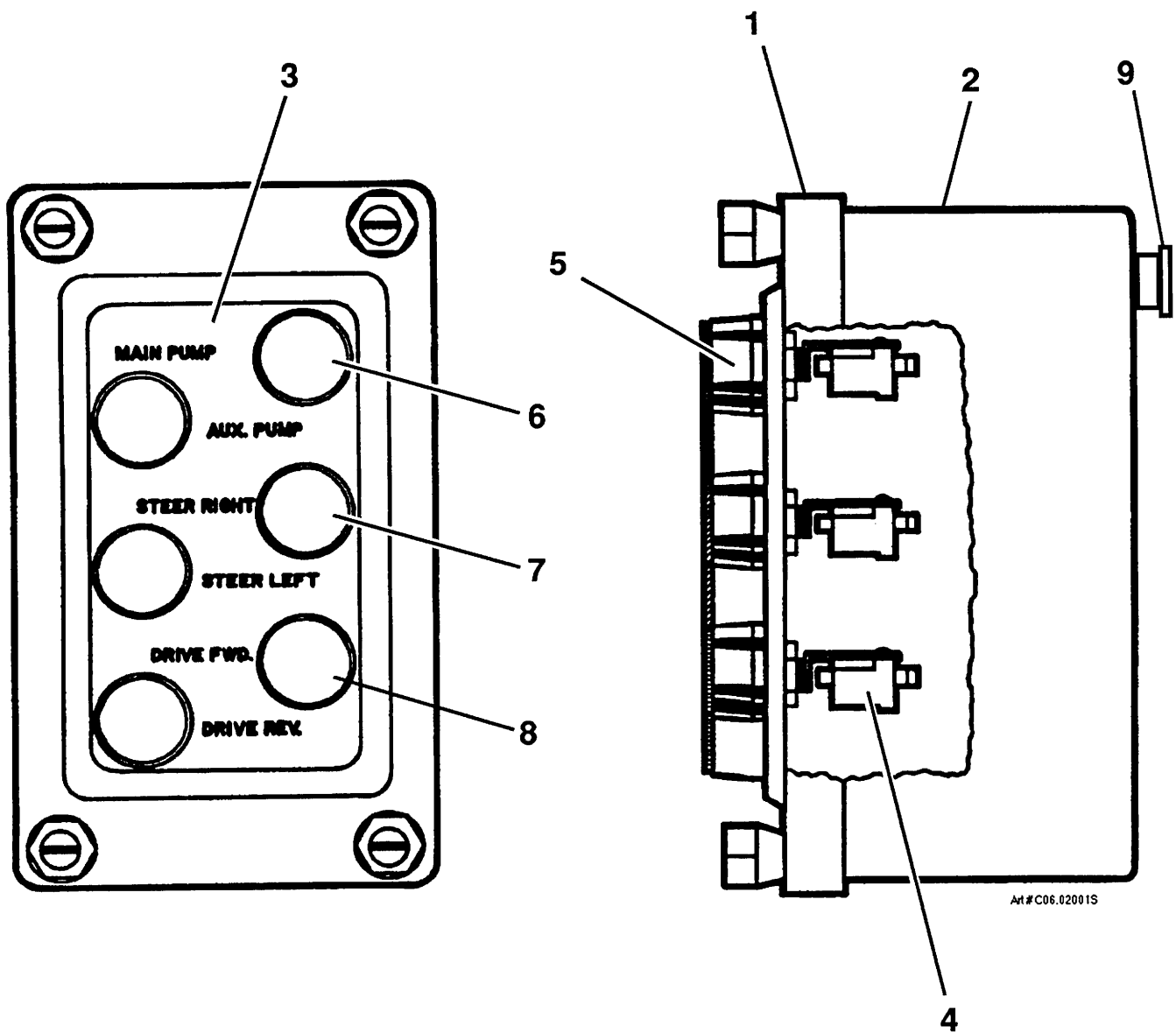
PART NO. 2098102

PLATE NO. C04.21

[illegible]

TITLE PENDANT ASSEMBLY, REMOTE CONTROL

PLATE NO.	C06.02	SIMON AERIALS INC.	REV. 08/16/91	PART NO.	3510225
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TITLE PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 08/16/91

PART NO. 3510225

PLATE NO. C06.02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-020500	E1.4	TOGGLE SWITCH (BOOM EXTEND)	1
2	03-032600		TOGGLE SWITCH (IGN., ENGINE START)	1
3	03-060800		TOGGLE SWITCH GUARD - EMERGENCY STOP	1
4	03-020300		PUSH BUTTON (HORN, EMERGENCY PUMP)	2
5	10-065300		DECAL (MPN SERIES, NON INSULATED)	1
5	10-065100		DECAL (MP SERIES, NON INSULATED)	2
6	03-035900		ENCLOSURE	1
7	03-061600		JOYSTICK, 8 POSITION (LIFT-SWING, DRIVE-STEER)	2
8	03-036600		MOUNTING RAIL, TERMINAL BLOCK	1
9	03-036500		TERMINAL BLOCK, DOUBLE POLE	4
10	03-036400		TERMINAL BLOCK, SINGLE POLE	20
11	03-063200		CORD GRIP, 3/4"	1
12	03-041000		CORD GRIP, 1/2"	1
13	03-020400		TOGGLE SWITCH (DIESEL OPTION, 2 SPEED THROTTLE)	1
14	03-025900		CONTACT BLOCK, N.O.	4
15	03-022900		TROUBLE LIGHT (DIESEL OPTION)	1

DESCRIPTION

PLATFORM CONTROL CONSOLE ASSEMBLY

PART NO.

3510401

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			PISTON NUT	1
2			PISTON	1
3			CASE	1
4			ROD	1
5			END GLAND	1
6			SNAP RING	1
7*			WIPER	1
8*			'O' RING	1
9*			BACK-UP RING	1
10*			'O' RING	1
11*			BACK-UP RING	1
12*			'O' RING	1
13*			'O' RING	1
14*			BACK-UP RING	2
15*			PISTON RING	1
*	04-008001		SEAL KIT	1

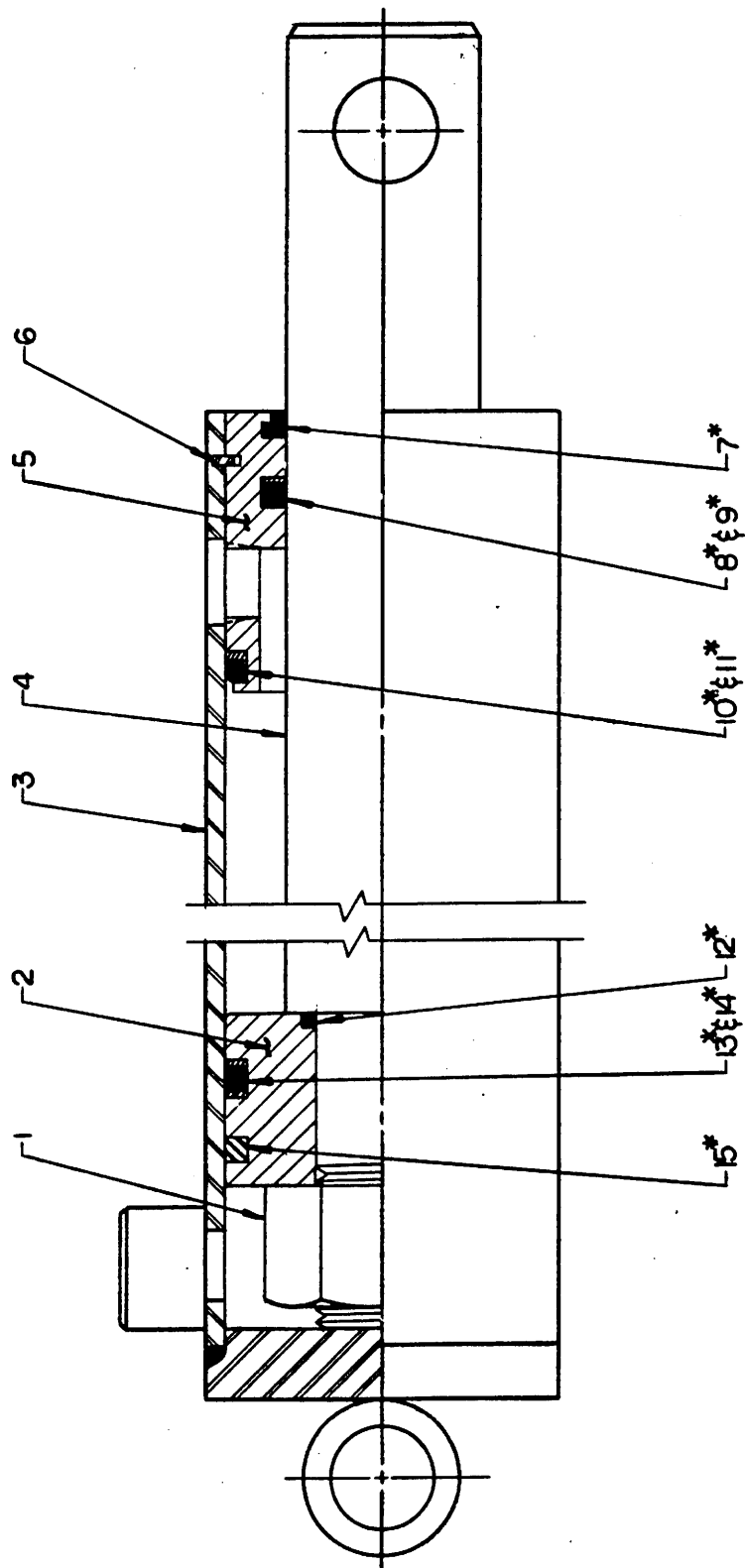
DESCRIPTION

STEER CYLINDER

PART NO.

04-008000

D 1.2



NOTE:

* SEAL KIT P/N 04-008001

0484/0883

DESCRIPTION

STEER CYLINDER

PART NO.

04-008000

PARTS LIST

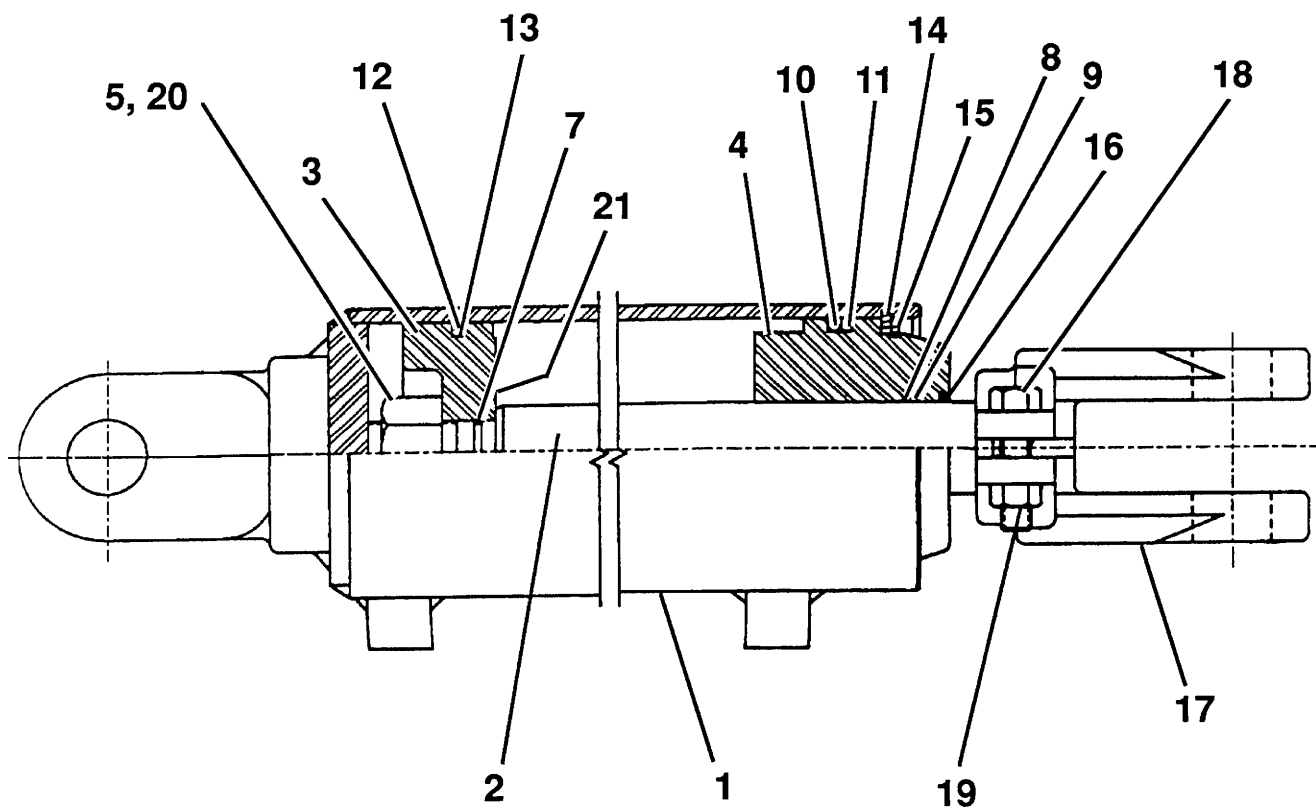
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	04-033200		STEER CYLINDER ASSEMBLY standard cylinder, for all models except those listed below	1
	2174010		modified cylinder (with spacers installed), for four wheel drive models MPH 60, MP 60Z, MP 70 or MP 80	1
	2171750		modified cylinder (with spacers installed), for some four wheel drive models MPH 80, MPE 95 or MPE 110 built in late 1990 (please consult factory, and provide serial number of your machine)	1
1			BODY, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON, [3-1/2" (88.9 mm) dia.]	1
4			GUIDE, PISTON ROD	1
5			NUT, LOCK (7/8"-14) (replaced by item 20 in some applications)	1
6	04-033201		SEAL KIT	1
7			O-RING	1
8			SEAL	1
9			WASHER, BACKUP	1
10			O-RING	1
11			WASHER, BACKUP	1
12			O-RING	1
13			RING, PISTON	1
14			RING, RETAINING (interior)	1
15			RING, RETAINING (exterior)	1
16			WIPER, ROD	1
17			ROD CLEVIS	1
18			CAP SCREW, HEX HEAD (3/8"-16 x 3/4")	1
19			NUT, HEX (3/8"-16)	1
			The following items are required on certain units with four-wheel drive option (see list at top of page):	
20			SPACER, BASE (replaces lock nut, item 5)	1
	2171710		[1-3/16" (30 mm) long] for cylinder assembly 2174010	1
	2171720		[1-5/8" (41 mm) long] for cylinder assembly 2171750	1
21			SPACER, ROD	1
	2171730		[.19" (4.8 mm) thick] for cylinder assembly 2174010	1
	2171740		[.63" (16 mm) thick] for cylinder assembly 2171750	1

TITLE STEER CYLINDER

PLATE NO. **D01.10** **SIMON AERIALS INC.**

REV. 04/26/91

PART NO.



TITLE

STEER CYLINDER

SIMON AERIALS INC.

REV. 04/26/91

PART
NO.

PLATE
NO. D01.10

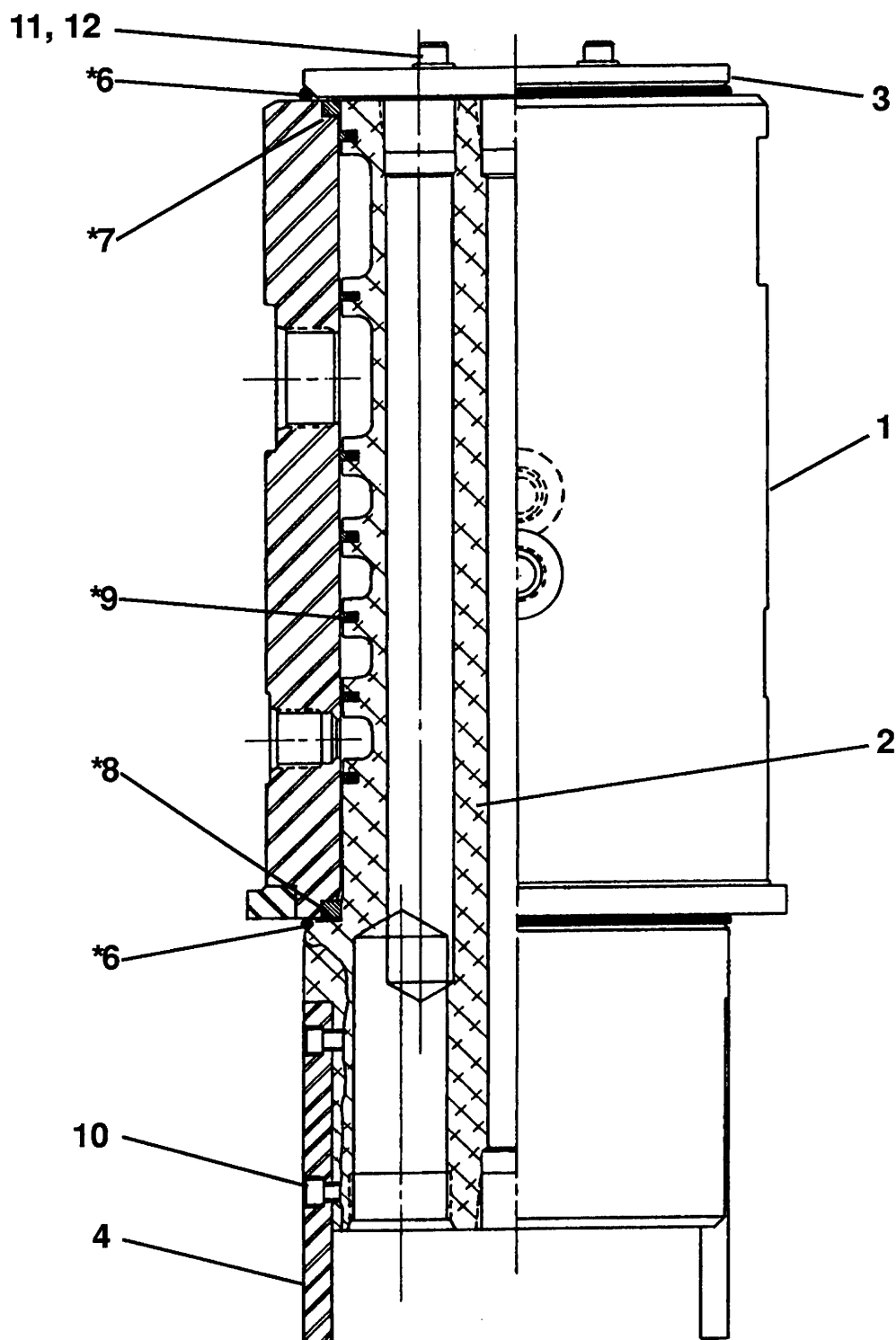
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STEER CYLINDER

04-035300

[illegible]

PLATE NO.	D02.01	SIMON AERIALS INC.	REV. 7/11/91	PART NO.	04-008700
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Note: Items in service kit identified by asterisk (*)

TITLE

HYDRAULIC SWIVEL

SIMON AERIALS INC.

REV. 7/11/91

PART
NO.

04-008700

PLATE
NO.

D02.01

PARTS LIST

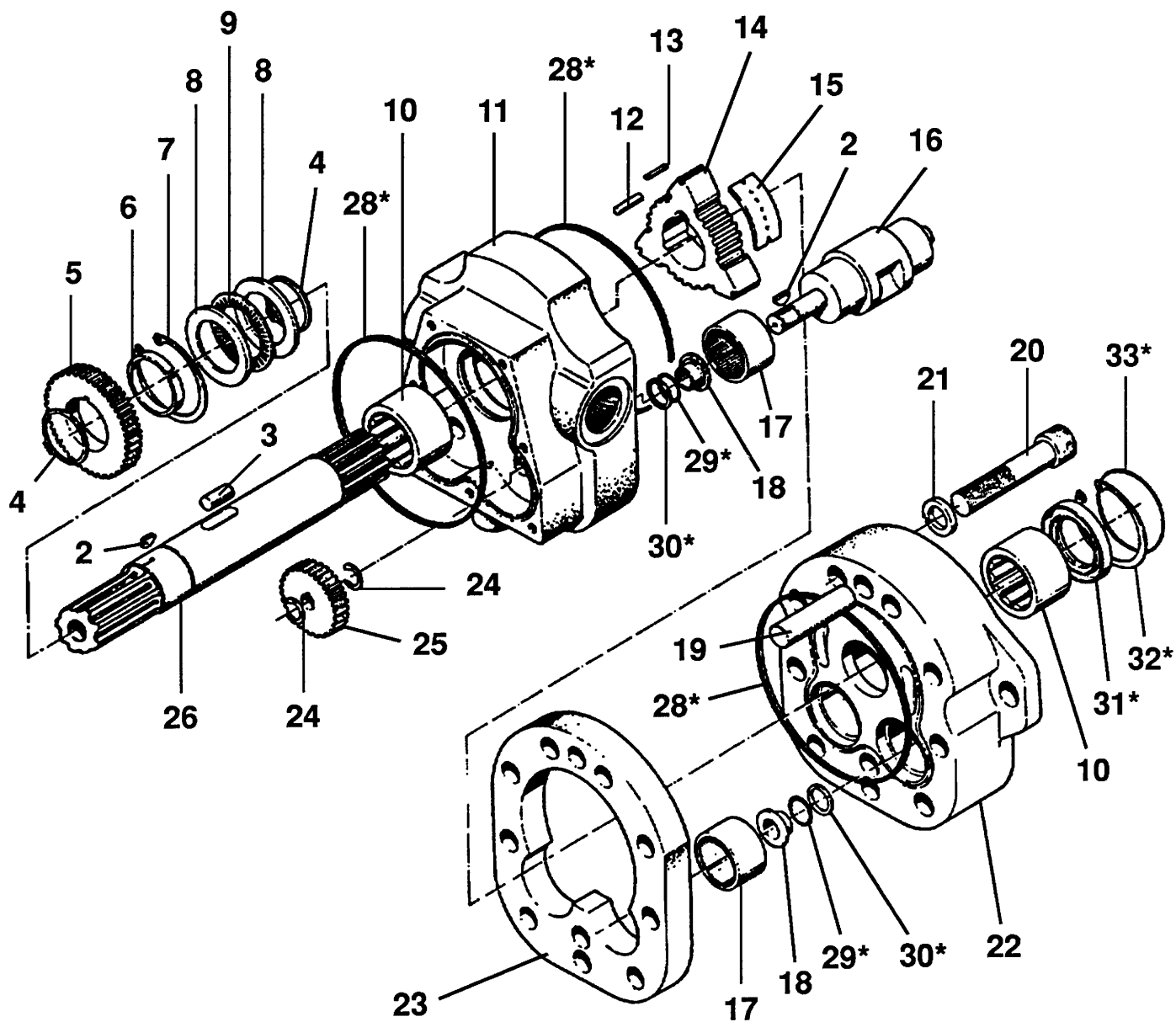
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000446		MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3	01-000421		PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	2
9	01-000422		BEARING, THRUST	1
10	01-000436		BEARING, NEEDLE	2
11	01-000437		CAP, END (Rear)	1
12	01-000432		ROLLER, TIP SEAL [2" (50.8 mm) long]	3
13	01-000433		ROLLER, BODY SEAL [2" (50.8 mm) long]	18
14	01-000419		ROTOR [2" (50.8 mm) long]	1
15	01-000427		PLATE, SEAL [2" (50.8 mm) long]	3
16	01-000426		VALVE, ABUTMENT	2
17	01-000438		BEARING, NEEDLE	4
18	01-000425		BEARING, STEP	4
19	01-000424		PIN, DOWEL	2
20	07-008056		CAP SCREW, SOCKET HEAD (3/8"-16 x 3-3/4", Grade 8)	9
21	07-065016		WASHER, HELICAL LOCK (3/8")	9
22	01-000440		CAP, END (Front) (SAE "B")	1
23	01-000429		HOUSING, DISPLACEMENT	1
24	01-000442		RING, RETAINING	4
25	01-000420		GEAR, PINION	2
26	01-000417		SHAFT, MOTOR (Spline both ends, for use with brake)	1
27	01-000401		SEAL KIT, MOTOR	1
			Note: Items included in seal kit marked by asterisk (*)	
28	01-000408		SEAL, OIL	3
29	01-000441		"O"-RING	4
30	01-000428		RING, BACK UP	4
31	01-000407		SEAL, SHAFT	1
32	01-000445		RING, RETAINING	1
33	01-000406		"O"-RING	1

TITLE WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.³, PLATE 1 OF 2)

PLATE NO. D03.02 **SIMON AERIALS INC.**

REV. 7/19/91

PART NO. 01-004800



TITLE WHEEL MOTOR/ BRAKE (MOTOR, 4 IN.³, PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-004800

PLATE
NO.

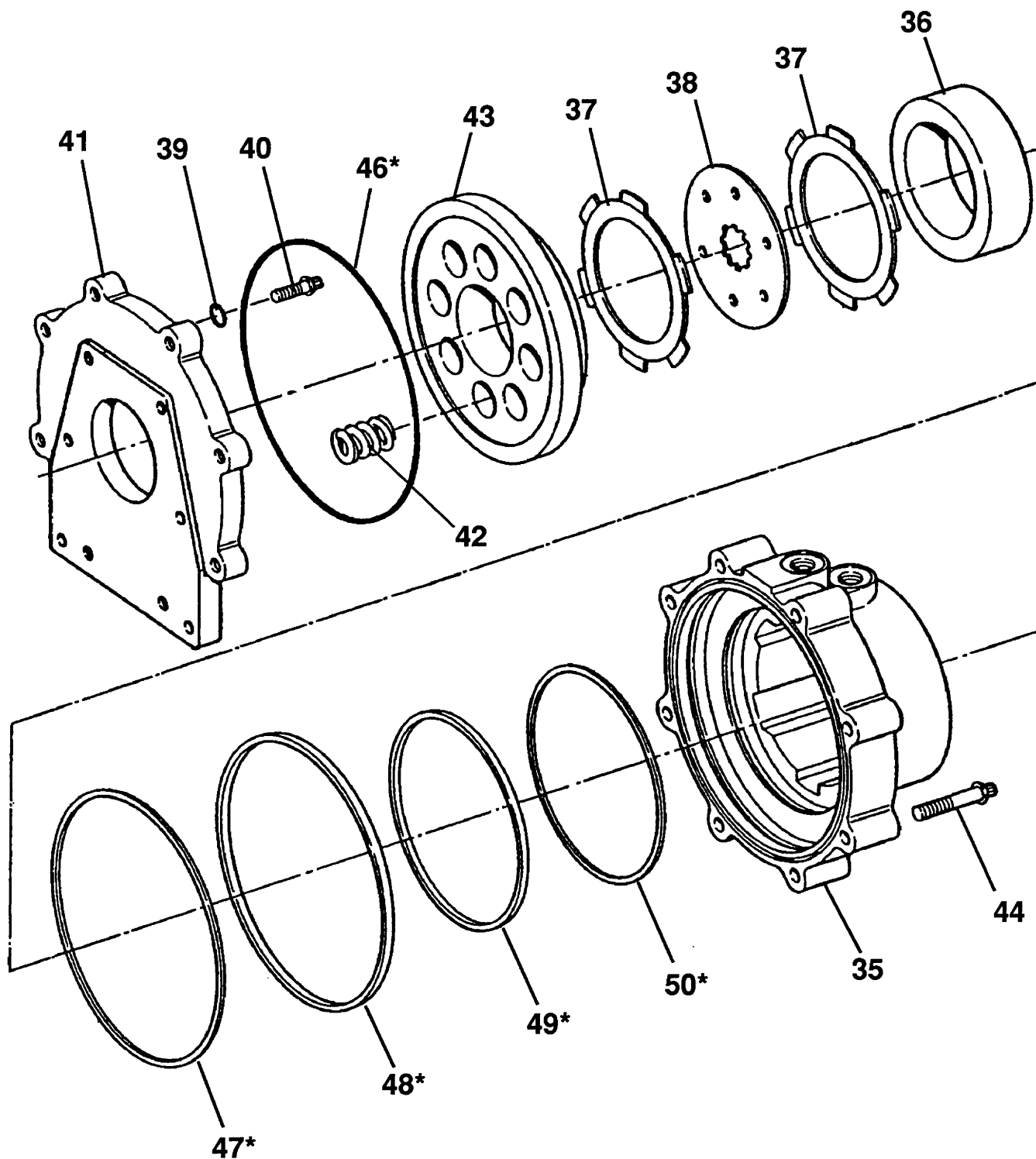
D03.02

PARTS LIST

[illegible]

TITLE WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

PLATE NO.	D03.02	SIMON AERIALS INC.	REV. 7/19/91	PART NO.	01-004800
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TITLE

WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 7/19/91

PART
NO.

01-004800

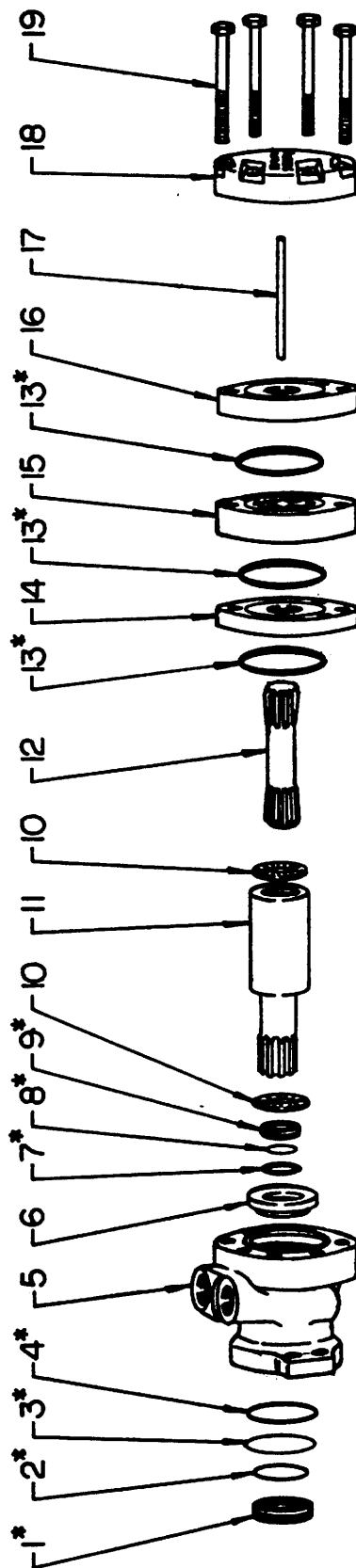
PLATE
NO.

D03.02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1*	01-011601		DUST SEAL	1
2*			RETAINING RING	1
3*			STEEL BACK UP	1
4*			SEAL	1
5			HOUSING	1
6			SEAL CARRIER	1
7*			SPACER	1
8*			STEEL BACK UP	1
9*			SHAFT SEAL	1
10			THRUST BEARING	2
11			SHAFT	1
12			DRIVE LINK	1
13*			SEAL	3
14			WEAR PLATE	1
15			ROLLER STATOR	1
16			PRESURE PLATE	1
17			PIN	1
18			END COVER	1
19			SCREW	7
*	SEAL KIT	1		
DESCRIPTION			PART NO.	
DRIVE MOTOR/BRAKE			01-011600	

033



NOTE:
*SEAL KIT P/N 01-011601

MOTOR ASSEMBLY

0684/0384

SHT 1 OF 2

DESCRIPTION

PART NO.

DRIVE MOTOR/BRAKE

01-011600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-012101		SOCKET HEAD CAPSCREW	6
2			BASE PLATE	1
3*			SHAFT SEAL	1
4			BEARING	1
5*			BASE PLATE GASKET	1
6			PRESSURE BLEED FITTING	1
7			CASE	1
8*			COVER GASKET	1
9			SHAFT	1
11			FRICTION DISC	8
12			SEPARATOR PLATE	7
13*			BACK-UP RING	1
14*			'O' RING	1
15			PISTON	1
16*			'O' RING	1
17*			BACK-UP RING	1
18			SPRING	10
19			BEARING	1
20			COVER	1
21			12 PT. CAPSCREW	4
*			SEAL KIT	1

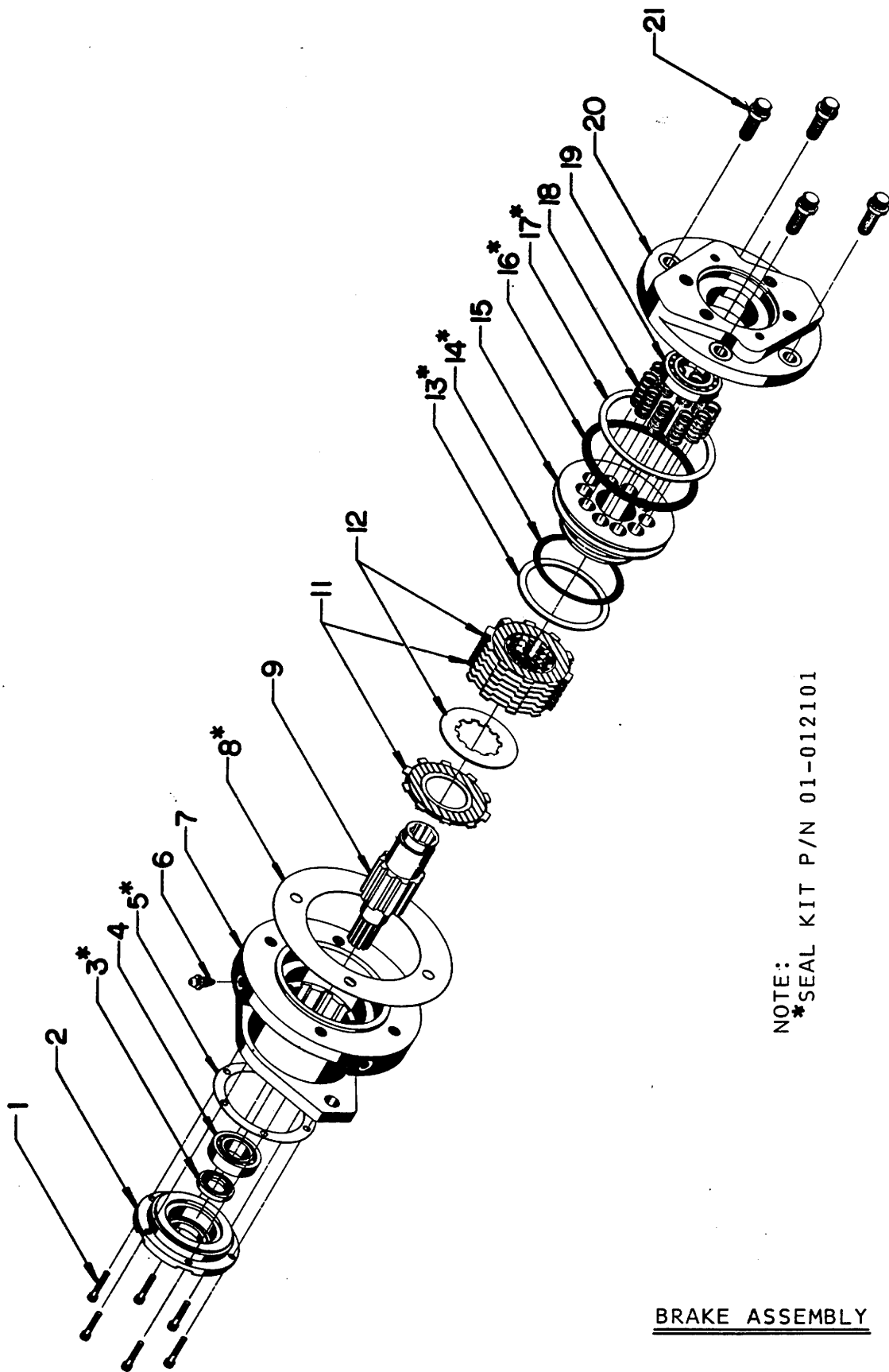
DESCRIPTION

DRIVE MOTOR / BRAKE

PART NO.

01-012100

D3.3



NOTE:
*SEAL KIT P/N 01-012101

BRAKE ASSEMBLY

0584/0484

SHT 2 OF 2

DESCRIPTION

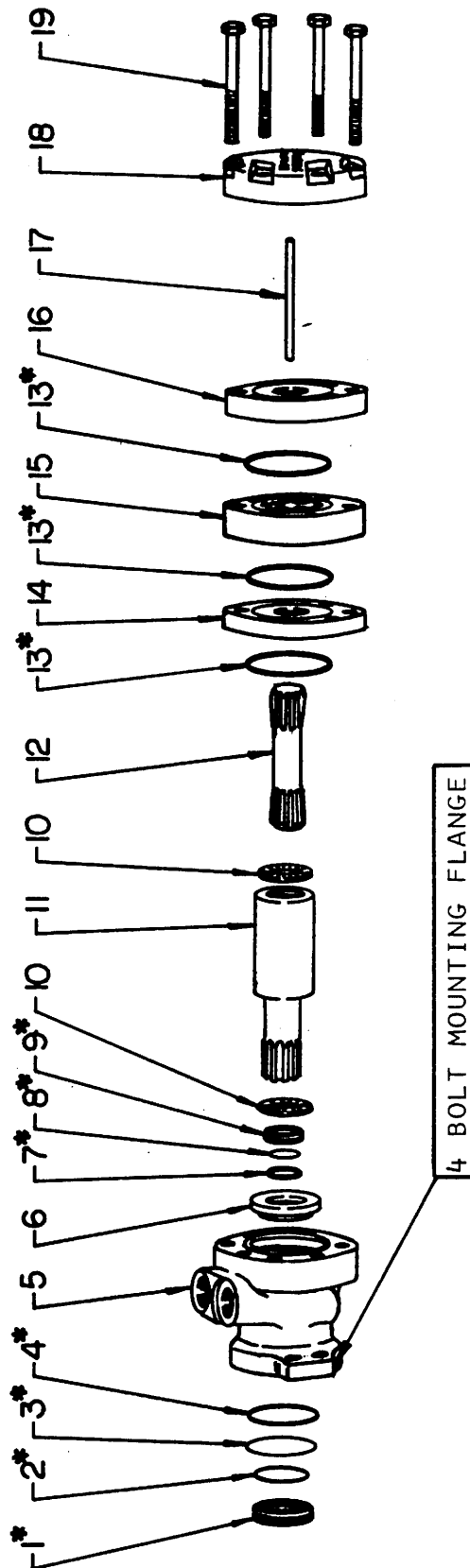
DRIVE MOTOR / BRAKE

PART NO.

01-012100

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1*	01-011601		DUST SEAL	1
2*			RETAINING RING	1
3*			STEEL BACK UP	1
4*			SEAL	1
5			HOUSING	1
6			SEAL CARRIER	1
7*			SPACER	1
8*			STEEL BACK UP	1
9*			SHAFT SEAL	1
10			THRUST BEARING	2
11			SHAFT	1
12			DRIVE LINK	1
13*			SEAL	3
14			WEAR PLATE	1
15			ROLLER STATOR	1
16			PRESSURE PLATE	1
17			PIN	1
18			END COVER	1
19			SCREW	7
*		SEAL KIT	1	
DESCRIPTION			DRIVE MOTOR/BRAKE	PART NO. 01-011600



NOTE:

* SEAL KIT P/N 01-011601

MOTOR ASSEMBLY

0684/0384

SHEET 1 OF 2

DESCRIPTION

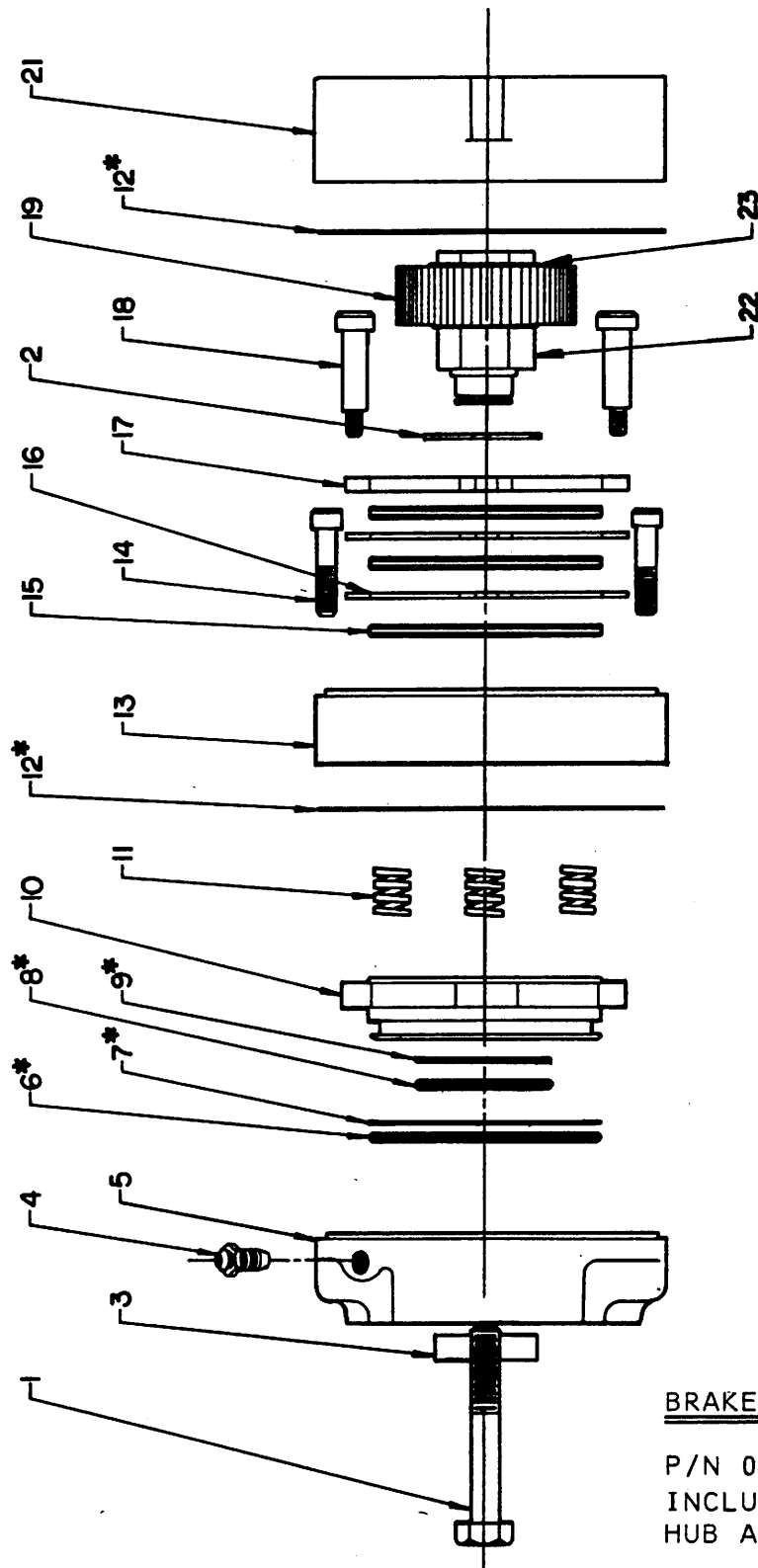
DRIVE MOTOR/BRAKE

PART NO.

01-011600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			HEX HEAD CAP SCREW	2
2	02-008029		SNAP RING	1
3	02-008027		BEARING	1
4			BLEED SCREW	1
5	02-008034		PRESSURE PLATE	1
6*			'O' RING	1
7*			BACK-UP RING	1
8*			'O' RING	1
9*			BACK-UP RING	1
10	02-008026		PISTON	1
11	02-008023		SPRING	8
12*			CASE SEAL	2
13	02-008033		SPRING PLATE	1
14			SOCKET HEAD CAP SCREW	4
15	02-008025		ROTOR	3
16	02-008032		STATOR	2
17	02-008031		PRIMARY	1
18	02-008021		TENSION PIN	4
19	02-008022		OUTER SPLINE	1
21	02-008019		COVER PLATE	1
22	02-008030		SHAFT	1
23	02-008020		SNAP RING	2
*	02-008001		SEAL KIT	1
DESCRIPTION			PART NO.	
DRIVE MOTOR/BRAKE			02-008000	



NOTE:
* SEAL KIT P/N 02-008001

BRAKE ASSEMBLY

P/N 02-008000
INCLUDES TORQUE
HUB ASSEMBLY F1.3

0784/0384

SHT 2 OF 2

DESCRIPTION

DRIVE MOTOR/BRAKE

PART NO.

02-008000

PARTS LIST

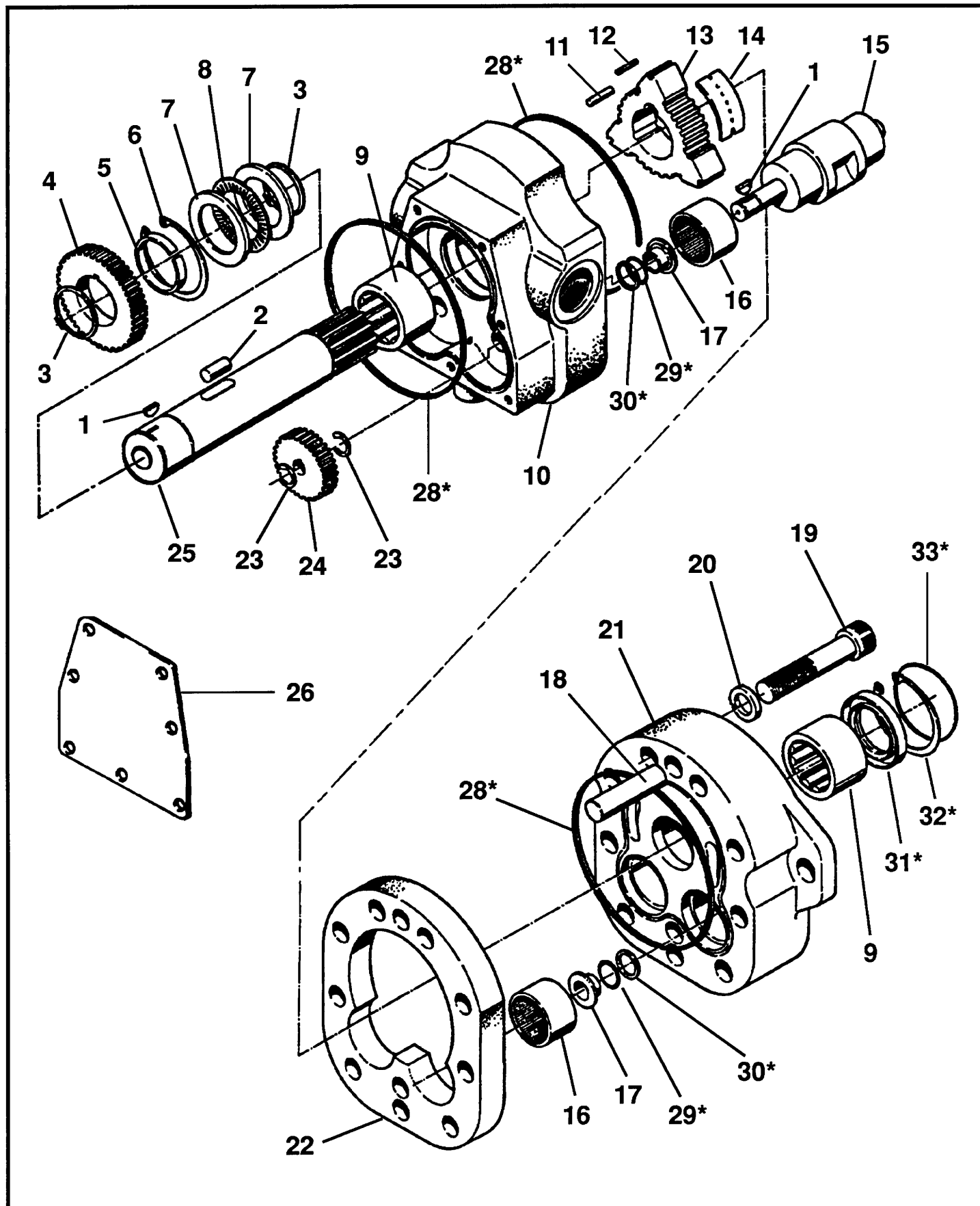
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-000430		KEY, WOODRUFF	3
2	01-000421		PIN, DRIVE	1
3	01-000443		RING, RETAINING	2
4	01-000439		GEAR, DRIVE	1
5	01-000431		WASHER, SPACER	1
6	01-000444		RING, RETAINING	1
7	01-000423		RACE, BEARING	2
8	01-000422		BEARING, THRUST	1
9	01-000436		BEARING, NEEDLE	2
10	01-000437		CAP, END (Rear)	1
11	01-000432		ROLLER, TIP SEAL [2" (50.8 mm) long]	3
12	01-000433		ROLLER, BODY SEAL [2" (50.8 mm) long]	18
13	01-000419		ROTOR [2" (50.8 mm) long]	1
14	01-000427		PLATE, SEAL [2" (50.8 mm) long]	3
15	01-000426		VALVE, ABUTMENT	2
16	01-000438		BEARING, NEEDLE	4
17	01-000425		BEARING, STEP	4
18	01-000424		PIN, DOWEL	2
19	07-008056		CAP SCREW, SOCKET HEAD (3/8"-16 x 3-3/4", Grade 8)	9
20	07-065016		WASHER, HELICAL LOCK (3/8")	9
21	01-000440		CAP, END (Front) (SAE "B")	1
22	01-000429		HOUSING, DISPLACEMENT	1
23	01-000442		RING, RETAINING	4
24	01-000420		GEAR, PINION	2
25			SHAFT, MOTOR (Spline one end, for use without brake)	1
26			PLATE, GEAR COVER	1
27	01-000401		SEAL KIT, MOTOR	1
			Note: Items in seal kit identified by asterisk (*).	
28*	01-000408		SEAL, OIL	3
29*	01-000441		"O"-RING	4
30*	01-000428		RING, BACK UP	4
31*	01-000407		SEAL, SHAFT	1
32*	01-000445		RING, RETAINING	1
33*	01-000406		"O"-RING	1

TITLE WHEEL MOTOR (4 IN.³, USED W/O BRAKE ON 4WD STEER AXLE)

PLATE NO. D03.07 **SIMON AERIALS INC.**

REV. 7/19/91

PART NO. 01-003400



TITLE WHEEL MOTOR (4 IN.³, USED W/O BRAKE ON 4WD STEER AXLE)

SIMON AERIALS INC.

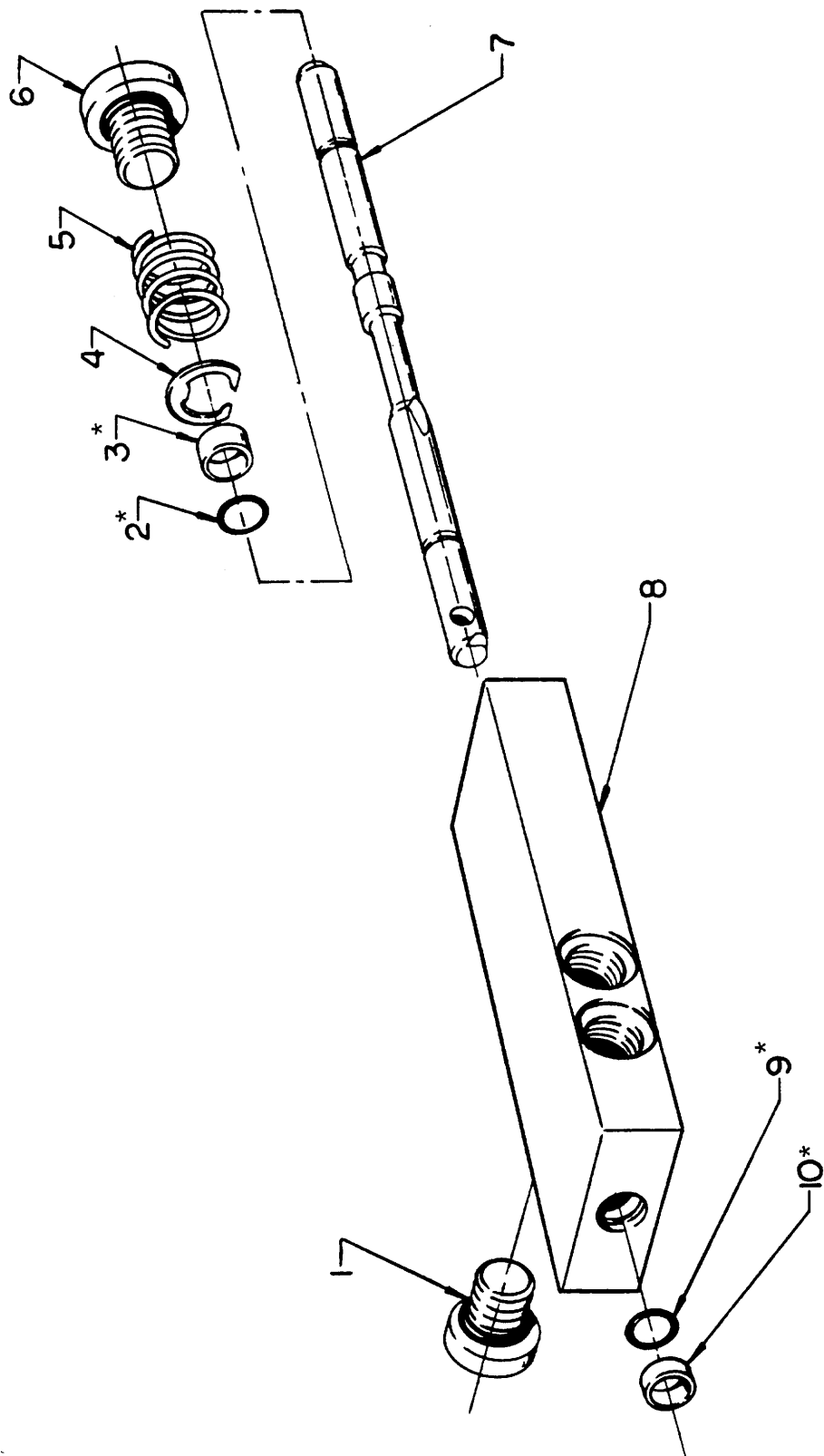
REV. 7/19/91

PART NO. 01-003400

PLATE NO. D03.07

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-000901		PLUG	1
2*			"O" RING	1
3*			BACKUP RING	1
4			SNAP RING	1
5			SPRING	1
6			PLUG	1
7			METERING SPOOL	1
8			VALVE BODY	1
9*			"O" RING	1
10			BACKUP RING	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
HPC VALVE			01-004700	



NOTE:
*SEAL KIT P/N 01-000901

0484/0383

DESCRIPTION

HPC VALVE

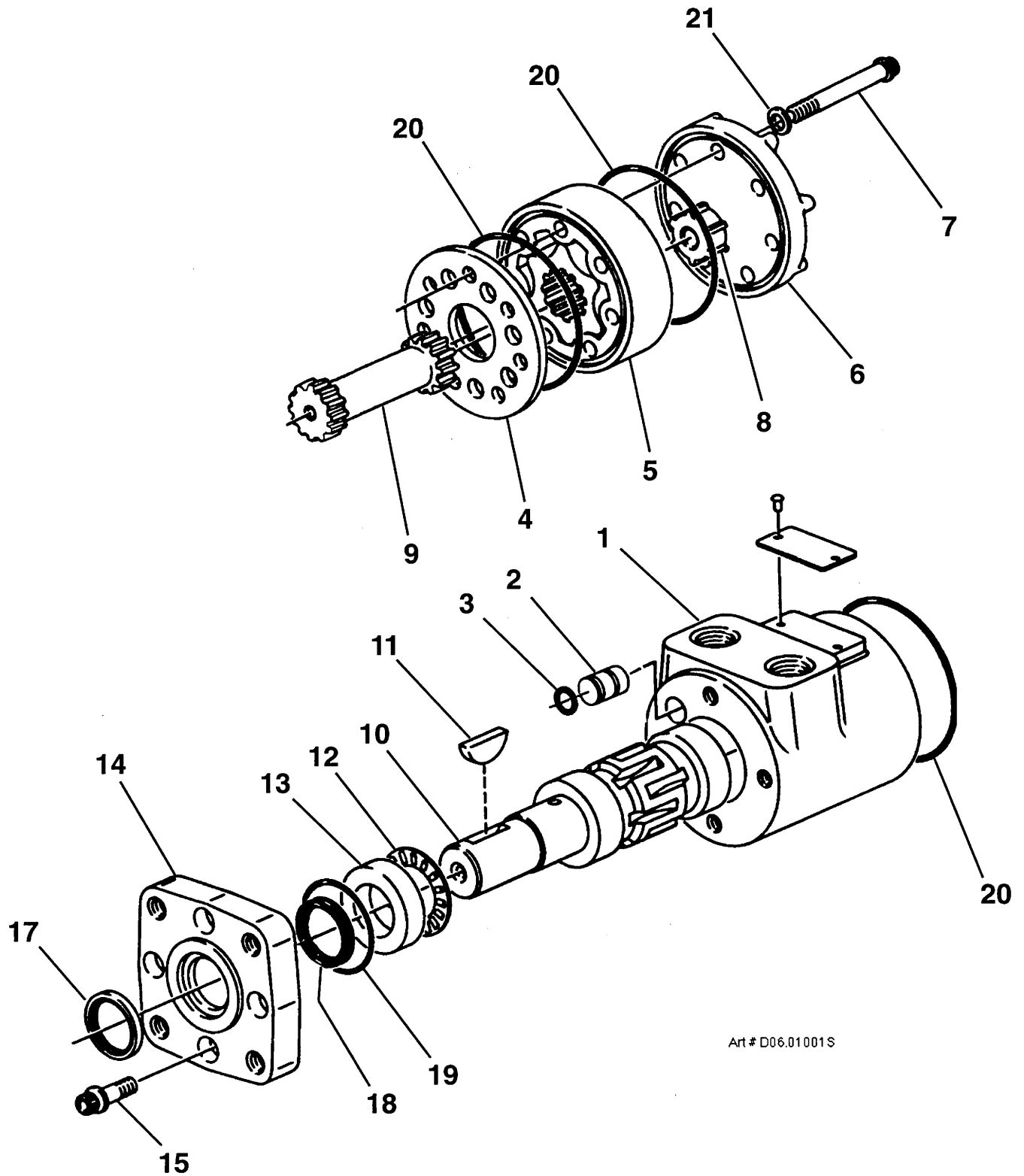
PART NO.

01-004700

[illegible]

TITLE	SWING MOTOR
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PLATE NO.	D06.01	SIMON AERIALS INC.	REV. 24 AUG., 1994 THIS SHEET ONLY	PART NO.	01-002300
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Art# D06.01001S

TITLE

SWING MOTOR

SIMON AERIALS INC.

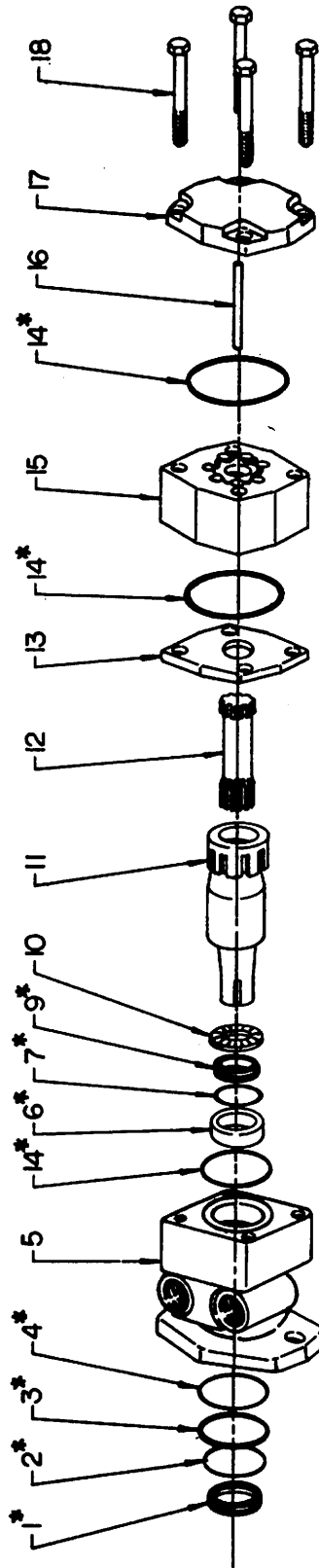
REV. 05/02/91

PART NO. 01-002300

PLATE NO. D06.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1*	01-011701		DUST SEAL	1
2*			WIRE RING	1
3*			SHIM	1
4*			SEAL	1
5			HOUSING	1
6			SEAL CARRIER	1
7*			SHIM	1
9*			SHAFT SEAL	1
10			THRUST BEARING	1
11			SHAFT	1
12			DRIVE LINK	1
13			WEAR PLATE	1
14*			SEAL	3
15			ROLLER STATOR	1
16			PIN	1
17			END COVER	1
18			SCREW	4
*			SEAL KIT	1
DESCRIPTION			PART NO.	
SWING MOTOR			01-011700	



NOTE:
 * SEAL KIT P/N 01-011701

0684/0384

DESCRIPTION

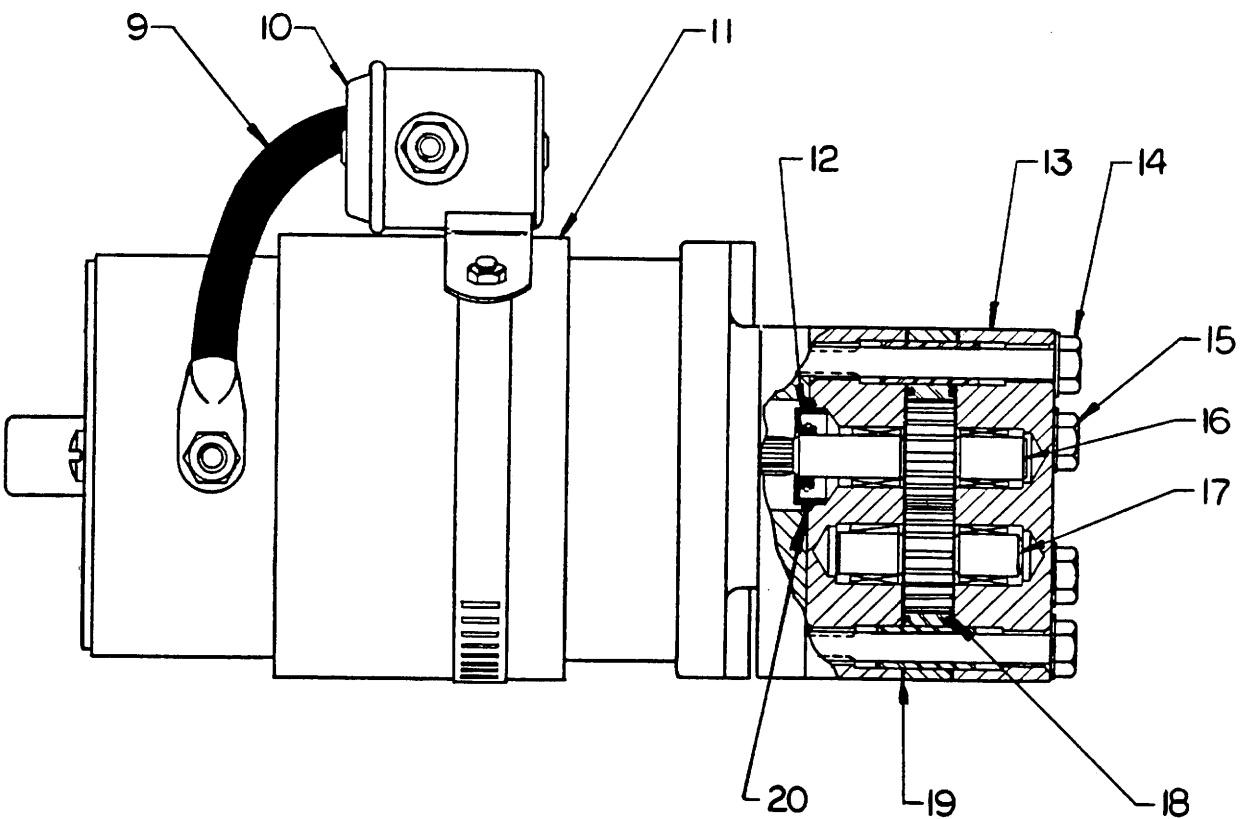
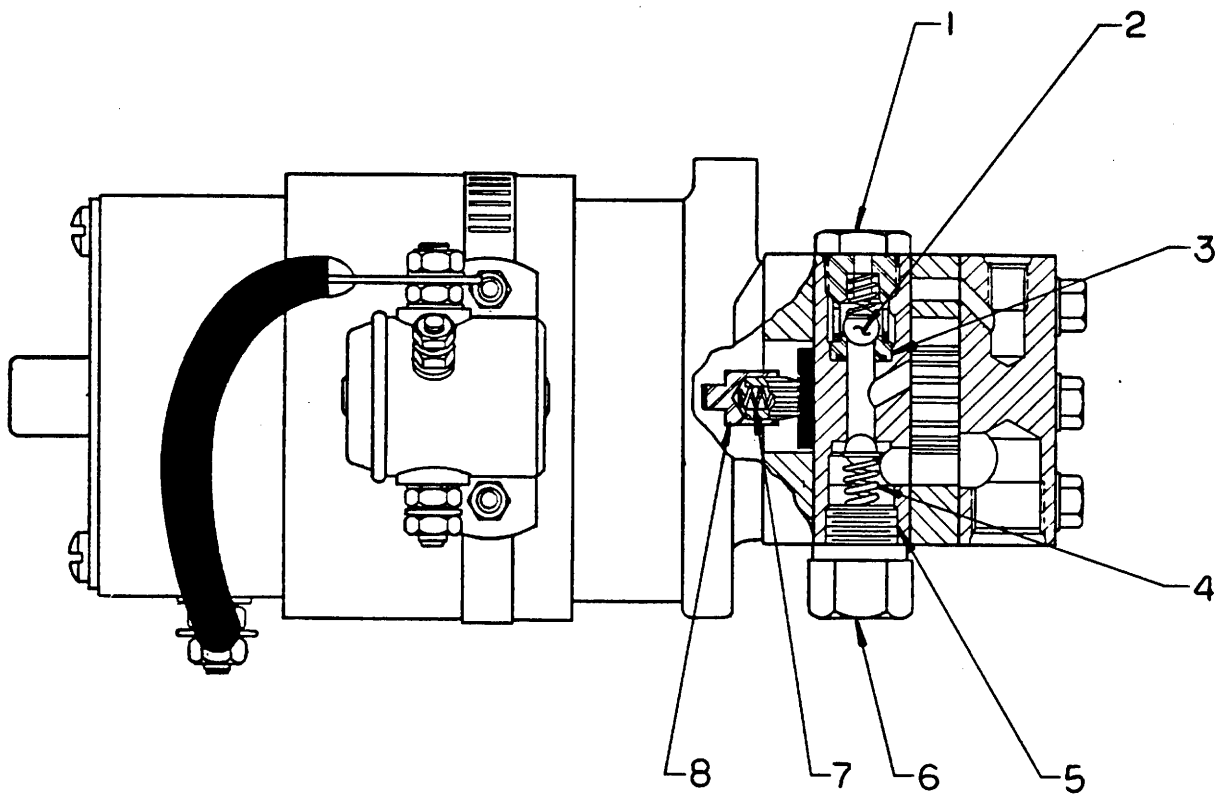
SWING MOTOR

PART NO.

01-011700

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			CHECK CAP ASSEMBLY	1
2			SPRING & BALL ASSEMBLY	1
3			CHECK SEAT ASSEMBLY	1
4	01-020206		SPRING & BALL ASSEMBLY	1
5			ADJUSTING SCREW	1
6			RELIEF CAP	1
7	01-020213		SPRING	1
8			COUPLING	1
9			POWER CABLE	1
10	01-020201		SOLENOID	1
11	01-020214		MOTOR	1
12	01-020212		SHAFT SEAL	1
13			PUMP ASSEMBLY (COMPLETE)	1
14			HEX HD. CAP SCREW 5/16-24X2-3/4	2
15			HEX HD. CAP SCREW 5/16-24X2-1/4	4
16			DRIVE SHAFT	1
17			IDLER SHAFT	1
18			'O' RING	2
19	01-007201		GASKET	1
20			'O' RING (FOR FIELD REPAIR)	1
DESCRIPTION			EMERGENCY PUMP	PART NO. 01-007200



0484/040284

DESCRIPTION

EMERGENCY PUMP

PART NO.

01-007200

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-027204		MOTOR, ELECTRIC PUMP	1
2	01-027203		RELAY, SOLENOID.	1
3	01-027205		COUPLING, PUMP	1
4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	1
6			CASE	1
7			PLATE, END	1
8			GEAR	2
9			SHAFT, DRIVE	1
10			SHAFT, IDLER	1
11			BEARING	4
12			KEY, DOWEL	1
13			BALL	1
14			RING, RETAINING	4
15			PIN, DOWEL	2
16	01-027201		SEAL KIT	1
17	*		Note: Items in seal kit are identified by asterisk (*).	
18	*		SEAL, SHAFT	1
19			O-RING	2
20	01-027206		RELIEF VALVE ASSEMBLY	1
21			NUT, ACORN	1
22			GASKET, METAL	1
23			NUT, HEX JAM	1
24			SCREW, ADJUSTING	1
25			SPRING	1
26			GUIDE, SPRING	1
27			BALL	1
28			CAP, VALVE	1
29			WASHER, SEALING	1
30			SPRING	1
			BALL	1
TITLE EMERGENCY PUMP				
PLATE NO.	D07.04	SIMON AERIALS INC.		PART NO. 01-027200

EMERGENCY PUMP

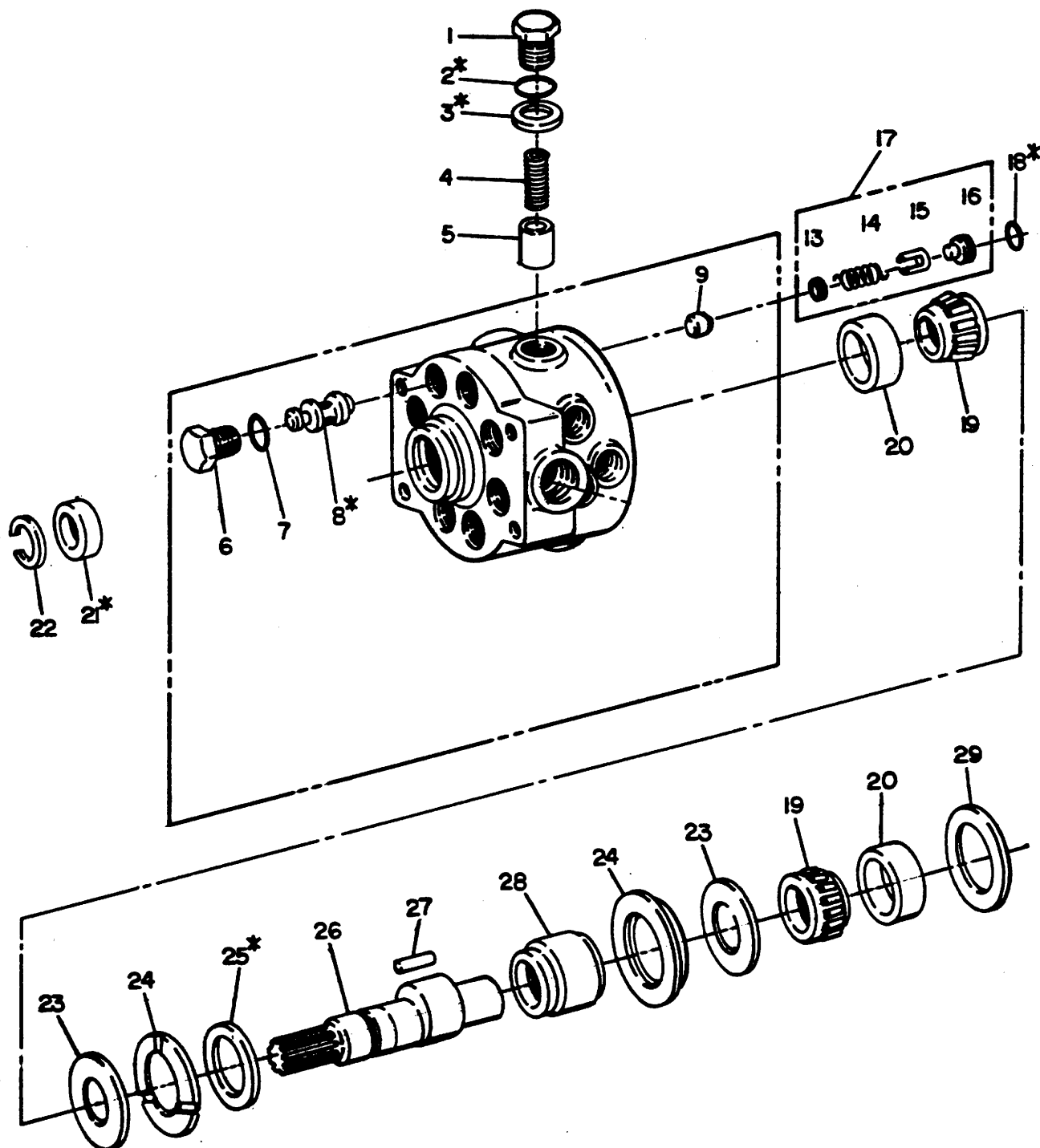
D07.04

REV. 08 OCT., 1993

01-027200

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			FITTING	8
2*			"O" RING	8
3*			SHIELD	8
4			SPRING	6
5			PISTON	6
6			FITTING	8
7*			"O" RING	8
8			INLET VALVE	8
9			BUSHING	8
10				
11				
12			HOUSING	1
13			DISK	8
14			SPRING	8
15			GUIDE	8
16			STOP	8
17			DISCHARGE VALVE	8
18*			WASHER	8
19	01-002615		BEARING CONE	2
20	01-002617		BEARING CUP	2
21*	01-002605		SEAL	1
22			SNAP RING	1
23			WASHER	2
24			THRUST WASHER	2
25*			RING	1
26			SHAFT	1
27			NEEDLE ROLLER	25
28			BEARING RACE	1
29	01-002624		SHIM (.006)	A.R.
29	01-002624		SHIM (.010)	A.R.
*	01-007001		SEAL KIT (COMPLETE PUMP)	1
DESCRIPTION			PART NO.	
HYDRAULIC PUMP			01-007000-1	



PUMP ASSEMBLY

NOTE:

*SEAL KIT P/N 01-007001

0584/050184

DESCRIPTION

HYDRAULIC PUMP

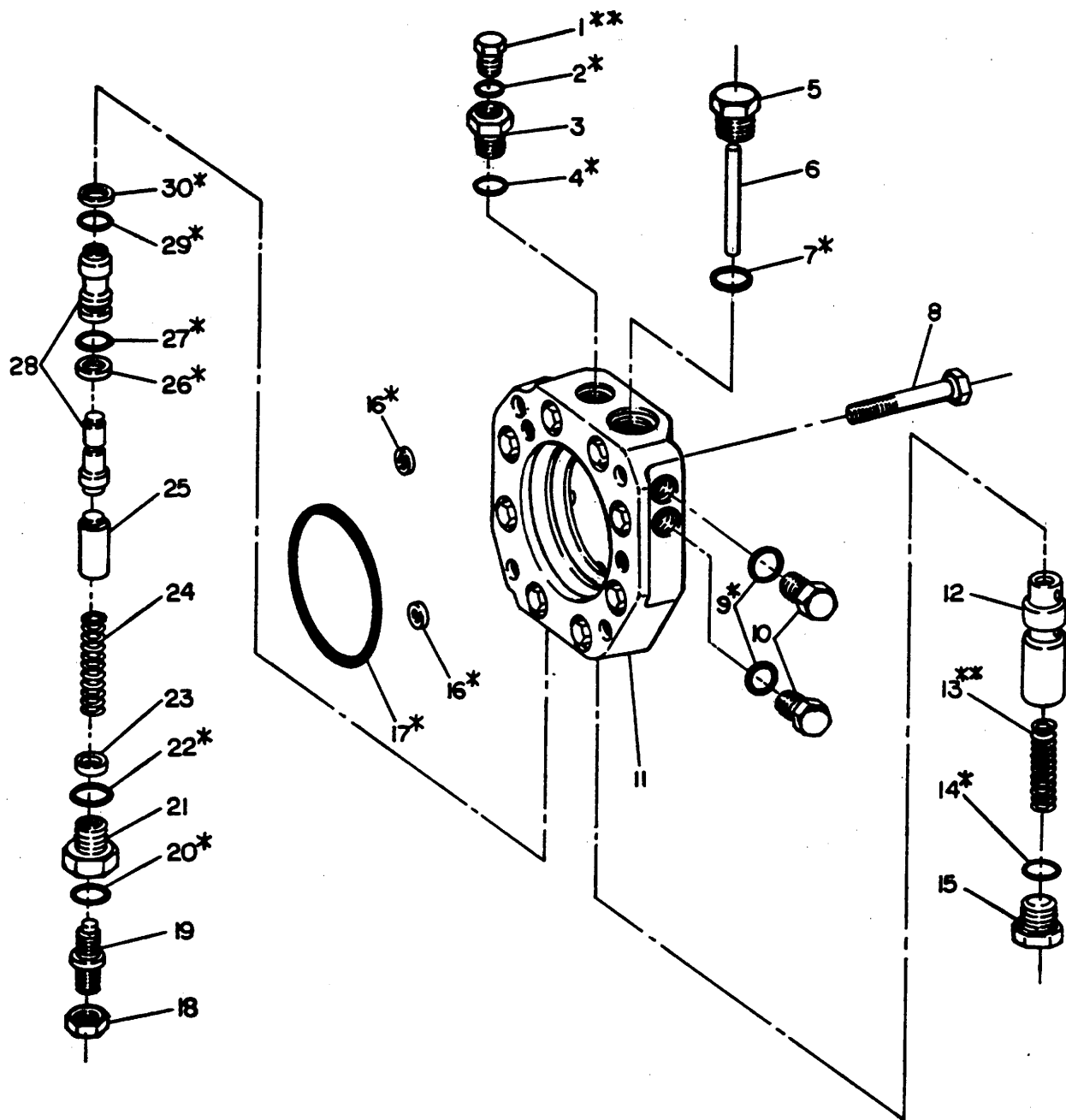
PART NO.

01-007000-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1**	01-002614		DRAIN PLUG (NOT USED, HPC PORT)	1
2*			"O" RING	1
3			PLUG	1
4*			"O" RING	1
5			DRAIN PLUG	1
6			PIN	1
7*			"O" RING	1
8			CAP SCREW	4
9*			"O" RING	2
10			DRAIN PLUG	2
11			HOUSING	1
12			CRANK CASE VALVE	1
13**			SPRING (NOT USED, REQUIRES REMOVAL)	0
14*			"O" RING	1
15			DRAIN PLUG	1
16*			WASHER	2
17*			"O" RING	1
18			NUT	1
19			SET SCREW	1
20*			"O" RING	1
21			FITTING	1
22*			"O" RING	1
23			WASHER	1
24			SPRING	1
25			GUIDE	1
26*			BACKUP RING	1
27*			"O" RING	1
28			PRESSURE RELIEF VALVE (COMPENSATOR)	1
29*			"O" RING	1
30*			BACKUP RING	1
*	01-007001		SEAL KIT (COMPLETE PUMP)	1
DESCRIPTION			PART NO.	
HYDRAULIC PUMP			01-007000-1	

D 8.2



PUMP STROKE VALVE ASSEMBLY

NOTE:

- *PUMP SEAL KIT P/N 01-007001
- **NOT USED, REQUIRES REMOVAL

0584/050184

DESCRIPTION

HYDRAULIC PUMP

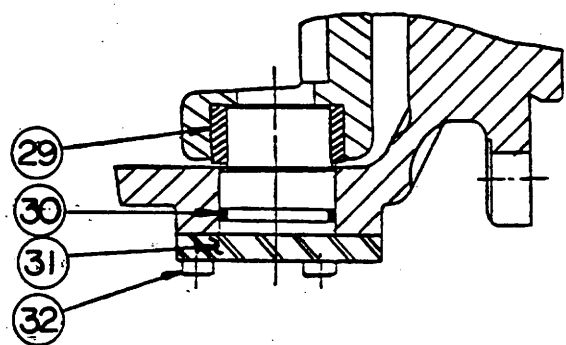
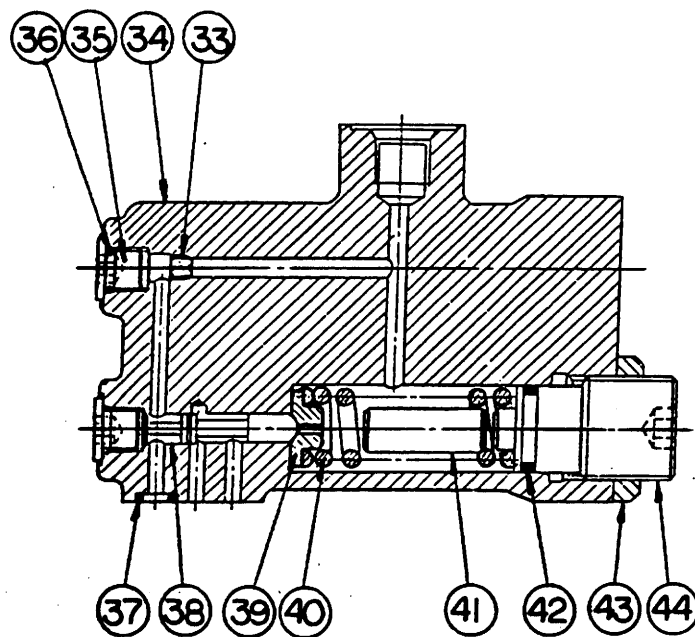
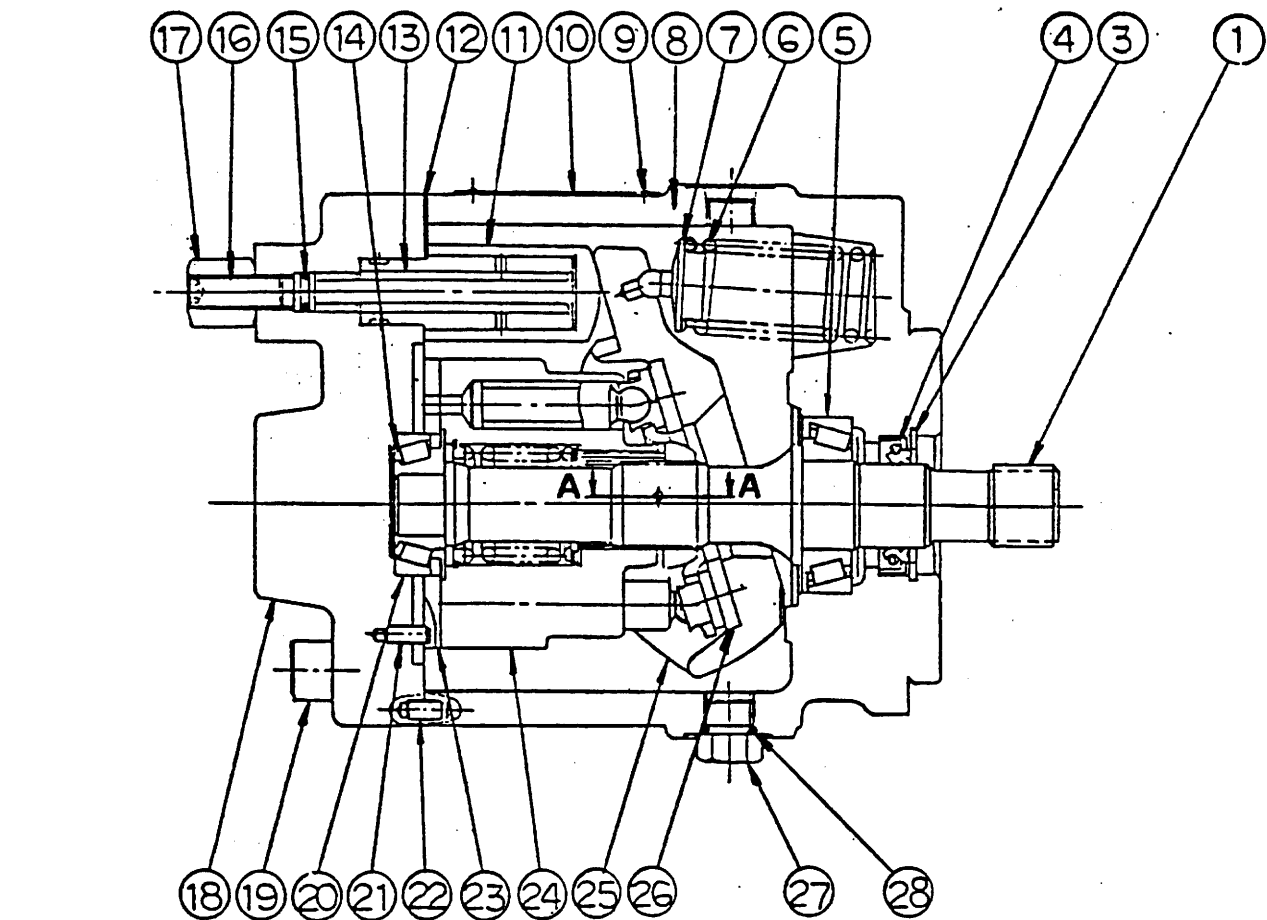
PART NO.

01-007000-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SHAFT	1
3			RETAINING RING	1
4			LIP SEAL	1
5			BEARING	1
6			YOKE SPRING	1
7			RETAINER SPRING	1
8			HOUSING	1
9			DRIVE SCREW	2
10			NAME PLATE	1
11			CONTROL CYLINDER	1
12			GASKET	1
13			CYLINDER ROD	1
14			SHIM	1
15			"O" RING	1
16			SCREW	1
17			CAP	1
18			END CAP	1
19			SOCKET HEAD CAP SCREW	4
20			BEARING	1
21			PIN	1
22			PIN	2
23			VALVE PLATE	1
24			CYLINDER BLOCK KIT	1
25			SWASHPLATE	1
26			THRUST PLATE	1
27			PLUG	1
28			"O" RING	1
29			BEARING	2
30			"O" RING	2
31			TRUNION	2
32			SOCKET HEAD CAP SCREW	6
33			ORFICE	1
34			HOUSING	1
35			PLUG	2
36			"O" RING	1
37			"O" RING	1
38			SPOOL	1
39			SPRING RETAINER	1
40			SPRING	1
41			STOPPER	1
42			"O" RING	1
43			LOCKNUT	1
44			SCREW	1
DESCRIPTION			HYDRAULIC PUMP	PART NO.

D8.4



SECTION A-A

COMPENSATOR ASS'Y.

DESCRIPTION

HYDRAULIC PUMP

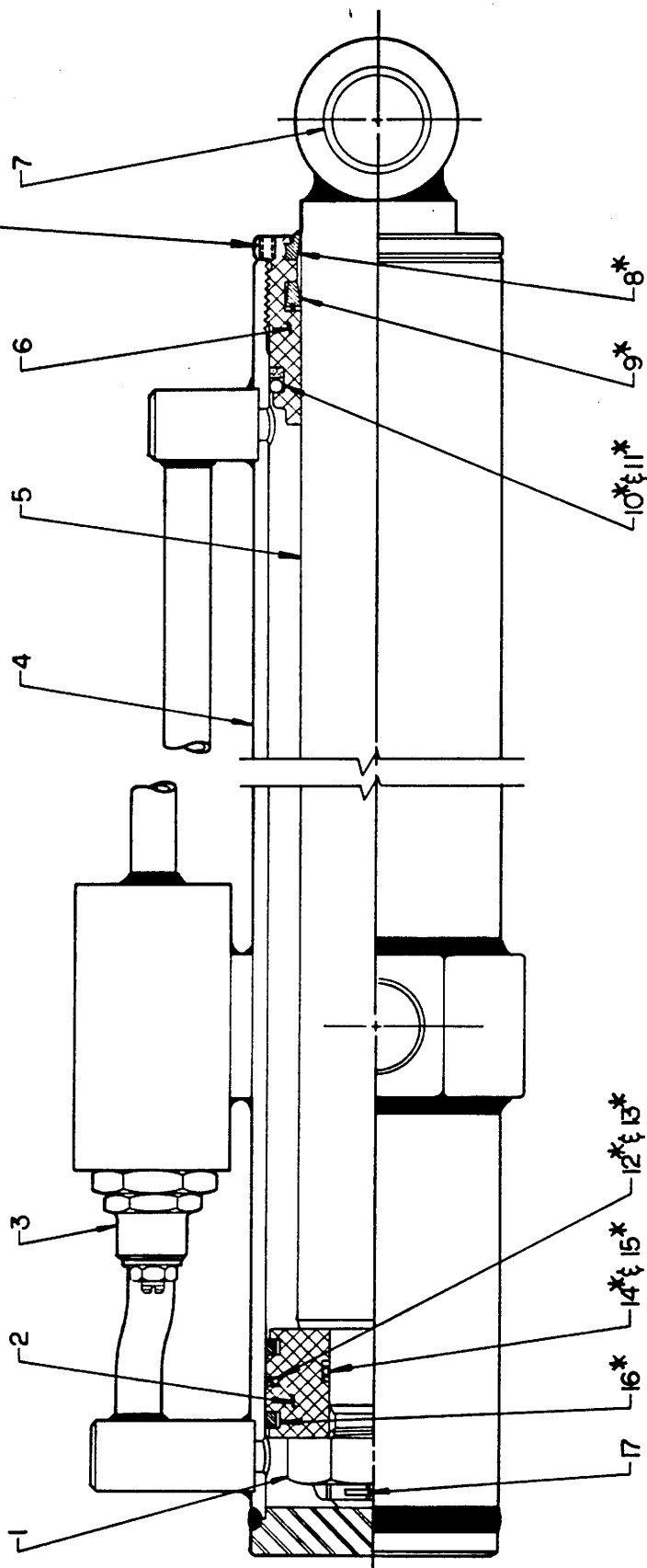
PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-021402		PISTON NUT	1
2			PISTON	1
3			HOLDING VALVE	1
4			CASE	1
5			ROD	1
6			HEAD GLAND	1
7			BUSHING	2
8*			WIPER	1
9*			ROD SEAL	1
10*			'O' RING	1
11*	BACK-UP RING	1		
12*	'O' RING	1		
13*	04-010101		PISTON SEAL	1
14*			'O' RING	1
15*			BACK-UP RING	2
16*			PISTON RING	2
17			COTTER KEY	1
*			SEAL KIT	1
DESCRIPTION			PART NO.	
LIFT CYLINDER			04-010100	

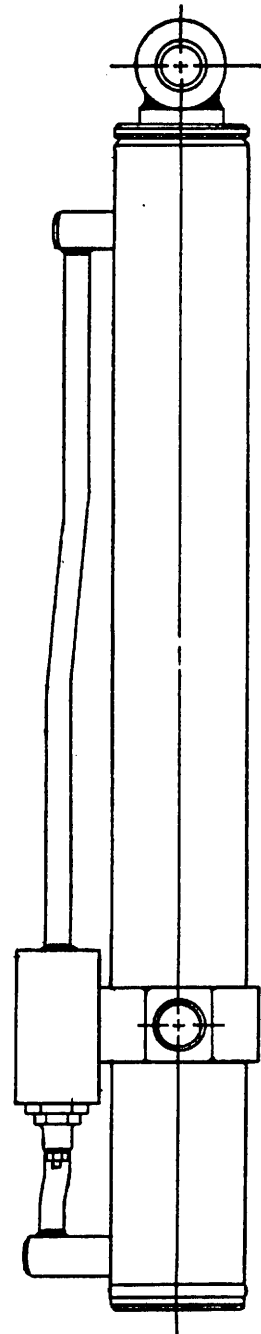
D9.2

HEAD GLAND W/SET SCREWS,
NO CYLINDER ROD SPACER



NOTE:

* SEAL KIT P/N 04-010101



0484/0384

DESCRIPTION

LIFT CYLINDER

PART NO.

04-010100

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-021402		PISTON NUT	1
2			PISTON	1
3			HOLDING VALVE (REF)	1
4			CASE	1
5			ROD	1
6			HEAD GLAND	1
7			BUSHING	2
8*			WIPER	1
9*			ROD SEAL	1
10*			'O' RING	1
11*	04-010101		BACK-UP RING	1
12*			'O' RING	1
13*			PISTON SEAL	1
14*			'O' RING	1
15*			BACK-UP RING	2
16*			PISTON RING	2
17			COTTER KEY	1
*			SEAL KIT	1

DESCRIPTION

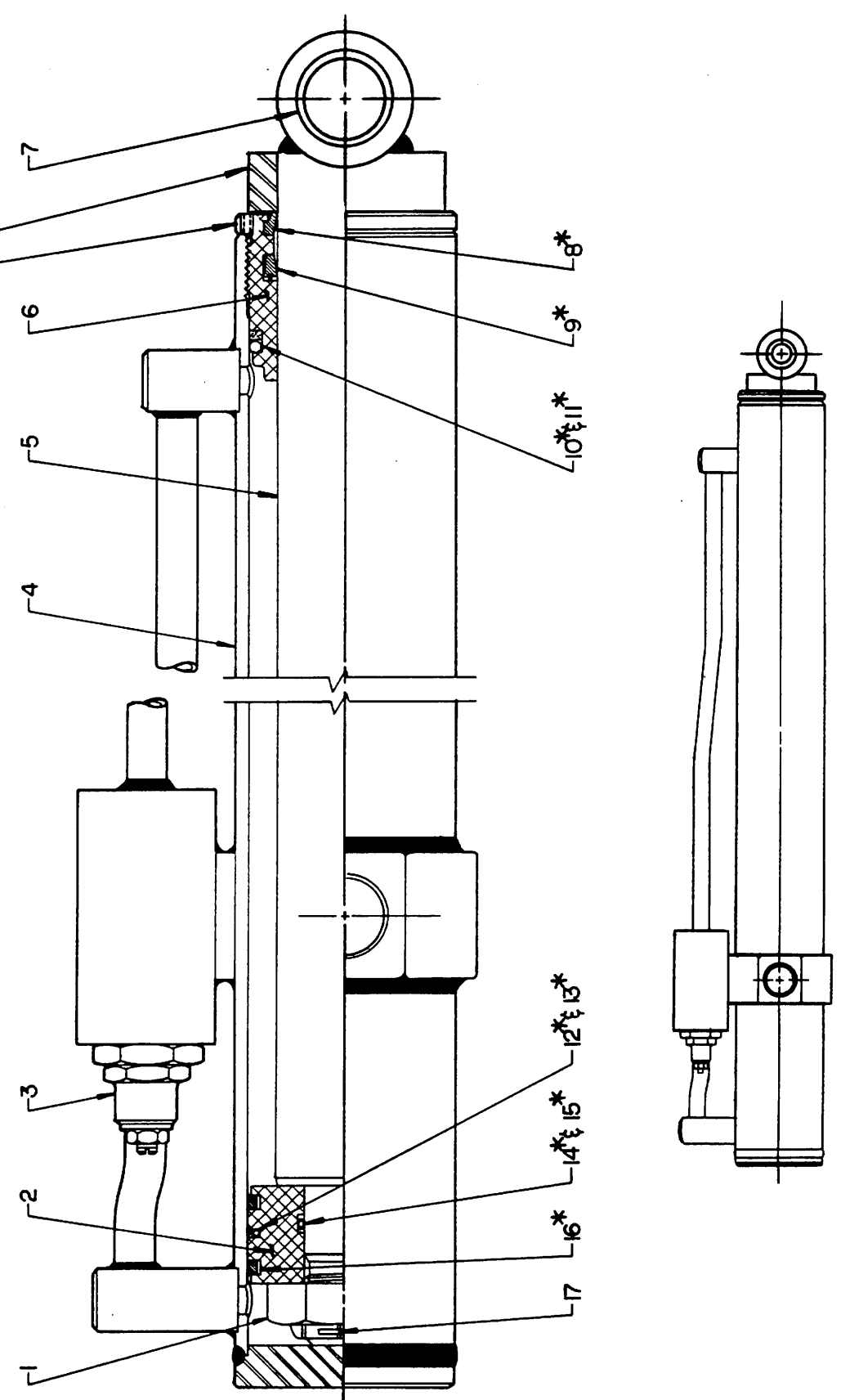
LIFT CYLINDER

PART NO.

04-010100-1

D9.3

HEAD GLAND W/SET SCREWS,
CYLINDER ROD SPACER



NOTE:

* SEAL KIT P/N 04-010101

0584/0484
DESCRIPTION

LIFT CYLINDER

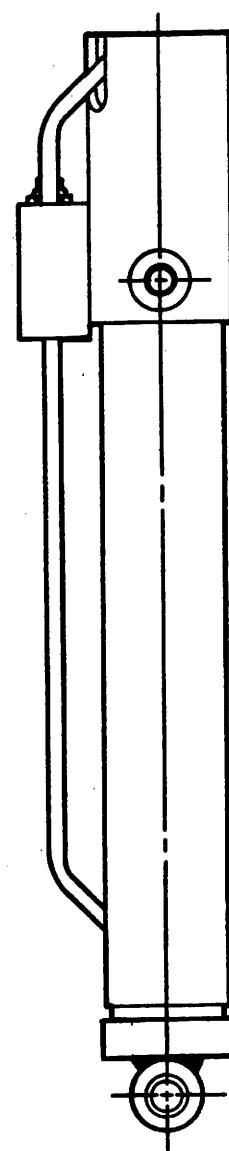
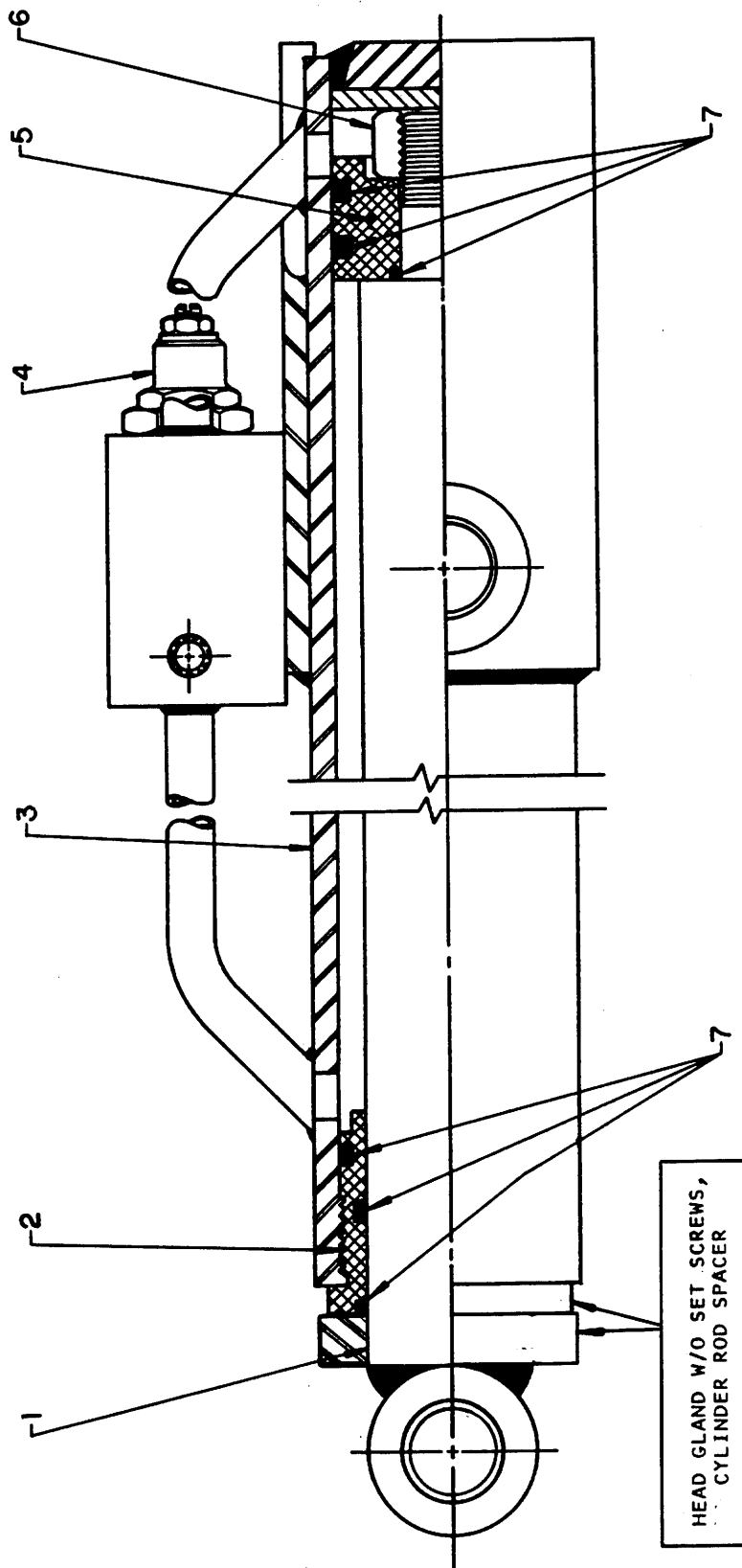
PART NO.

04-010100-1

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			ROD	1
2			HEAD GLAND	1
3			CASE	1
4	04-021402		HOLDING VALVE	1
5			PISTON	1
6			LOCKNUT	1
7	04-007901		SEAL KIT	1
DESCRIPTION			LIFT CYLINDER	PART NO. 04-007900

29.17



0784/0983
DESCRIPTION

LIFT CYLINDER

PART NO.
04-007900

PARTS LIST

[illegible]**TITLE**

MASTER LEVEL CYLINDER

**PLATE
NO.**

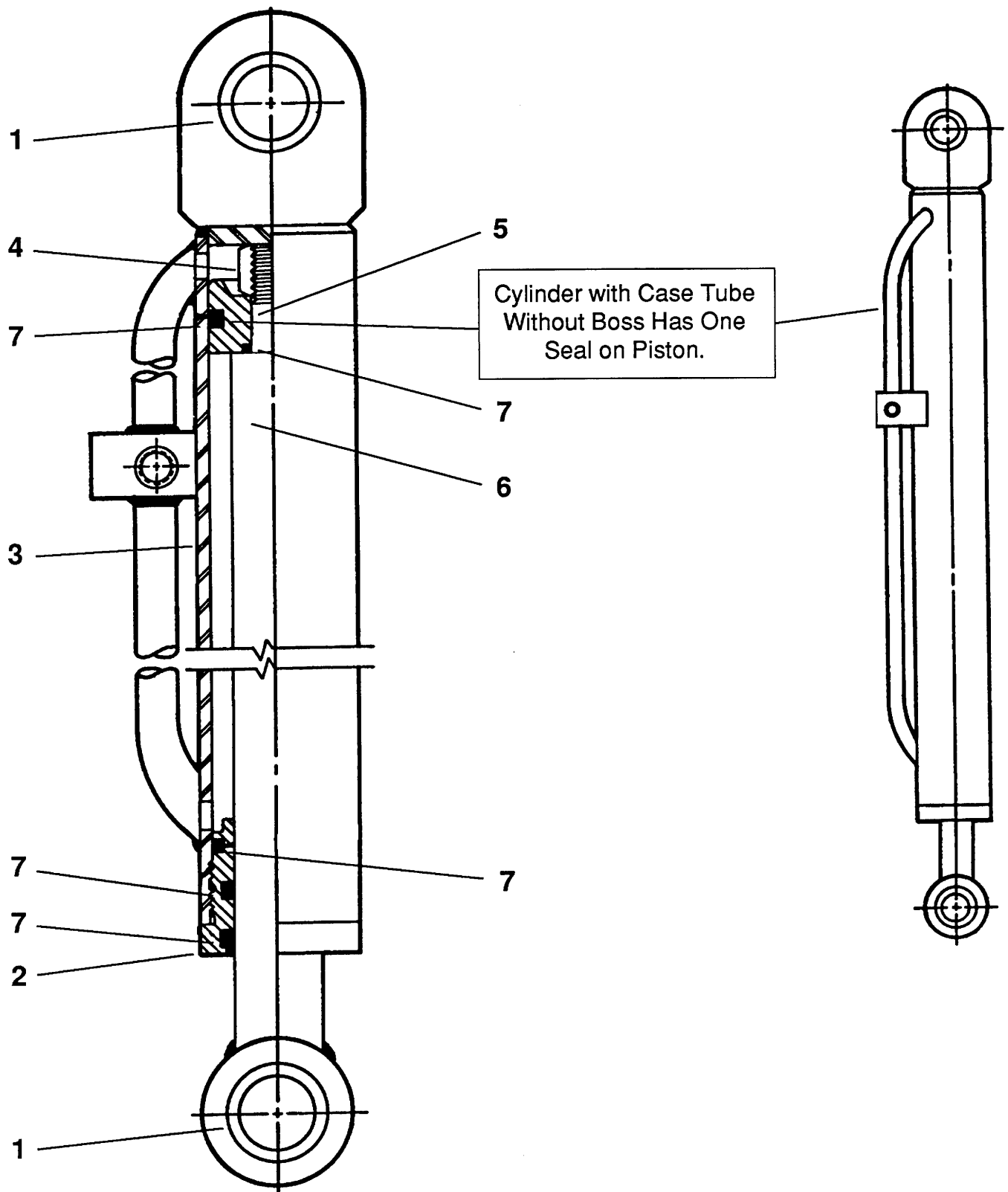
D10.02

SIMON AERIALS INC.

REV. 05/02/91

**PART
NO.**

04-007400



TITLE

MASTER LEVEL CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

04-007400

PLATE
NO.

D10.02

PARTS LIST

[illegible]

TITLE

HIGH PRESSURE FILTER

**PLATE
NO.**

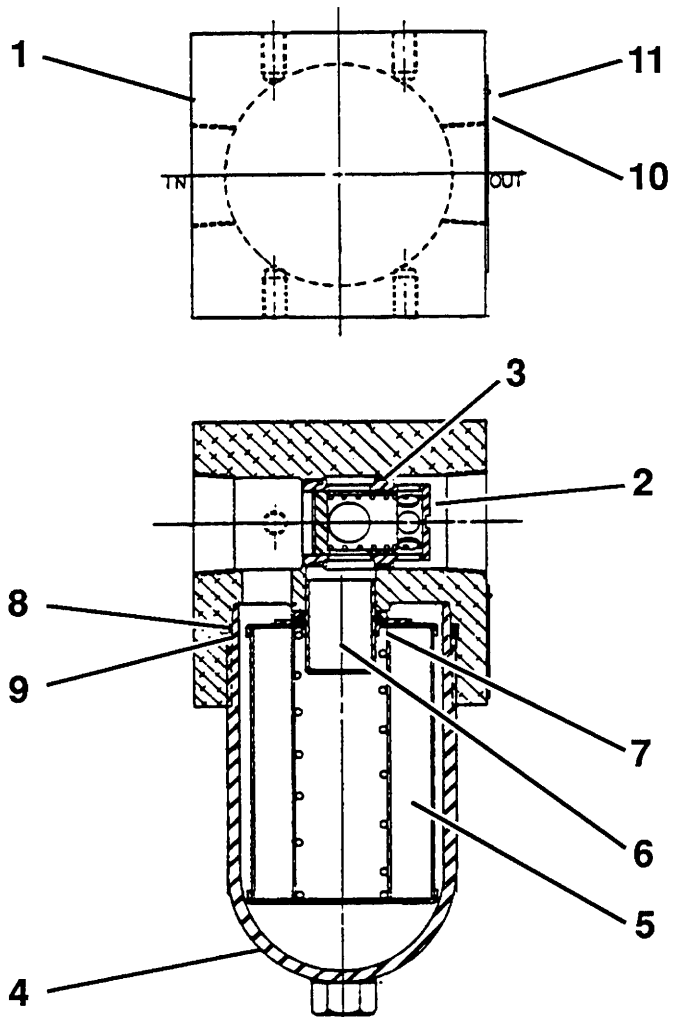
D11.01

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

01-035100



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

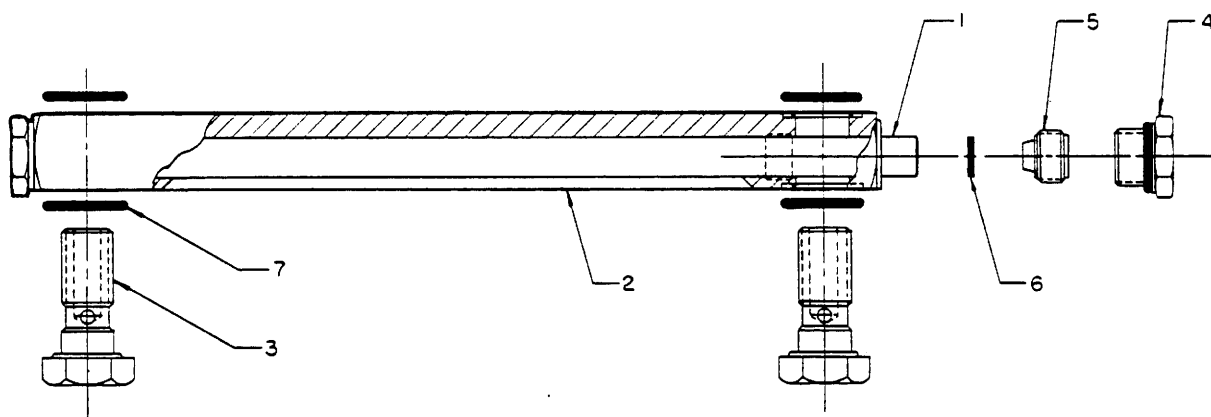
01-035100

PLATE
NO.

D11.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			SIGHT GLASS	1
2			GAUGE BODY	1
3			THRU BOLT	2
4			'O' RING PLUG 9/16	2
5			INTERNAL CAP	2
6			INTERNAL SEAL	2
7			'O' RING	4
DESCRIPTION			PART NO.	
SIGHT GAUGE 12"			10-033500	



0684/0184

DESCRIPTION

SIGHT GAUGE 12"

PART NO.

10-033500

PARTS LIST

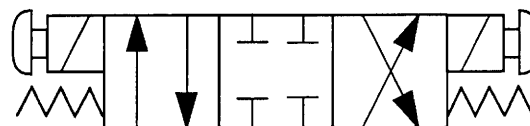
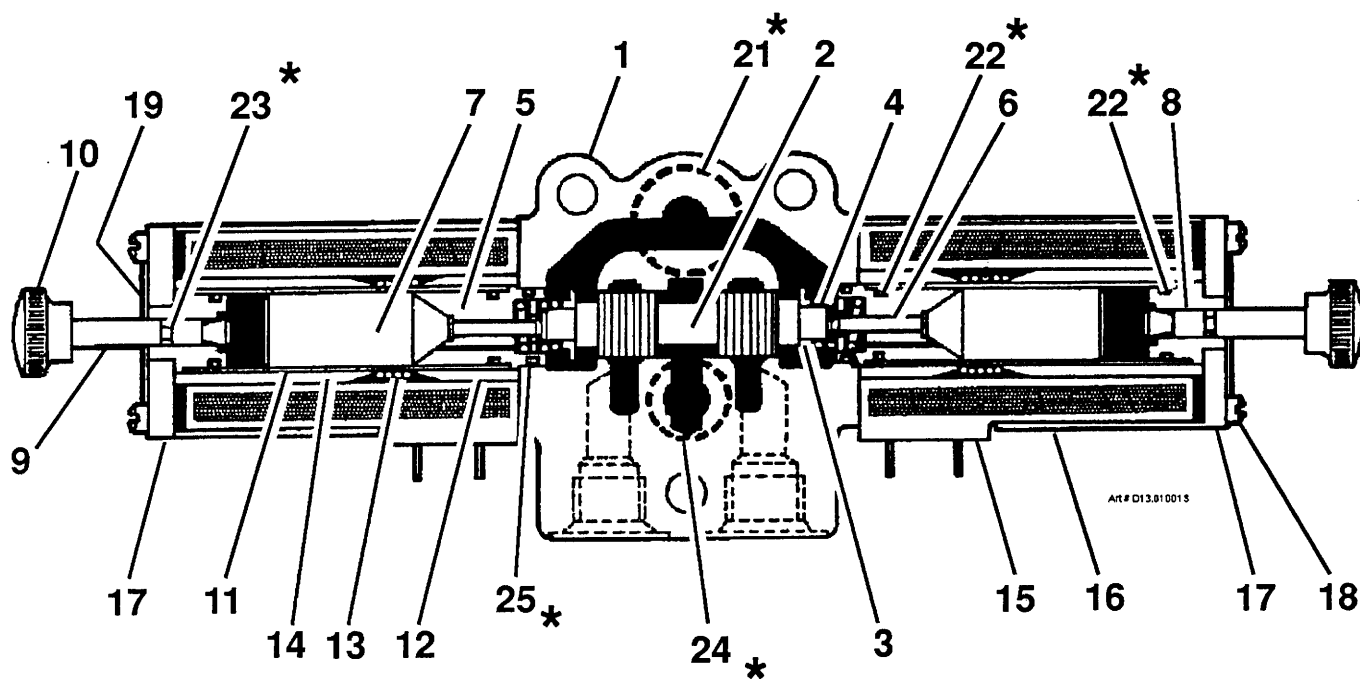
[illegible]

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

PLATE NO.	D13.01	SIMON AERIALS INC.
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REV. 05/29/91

PART NO. 01-031700



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

SIMON AERIALS INC.

REV. 05/29/91

PART NO. 01-031700

PLATE NO. D13.01

PARTS LIST

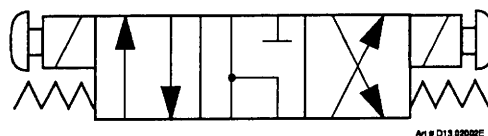
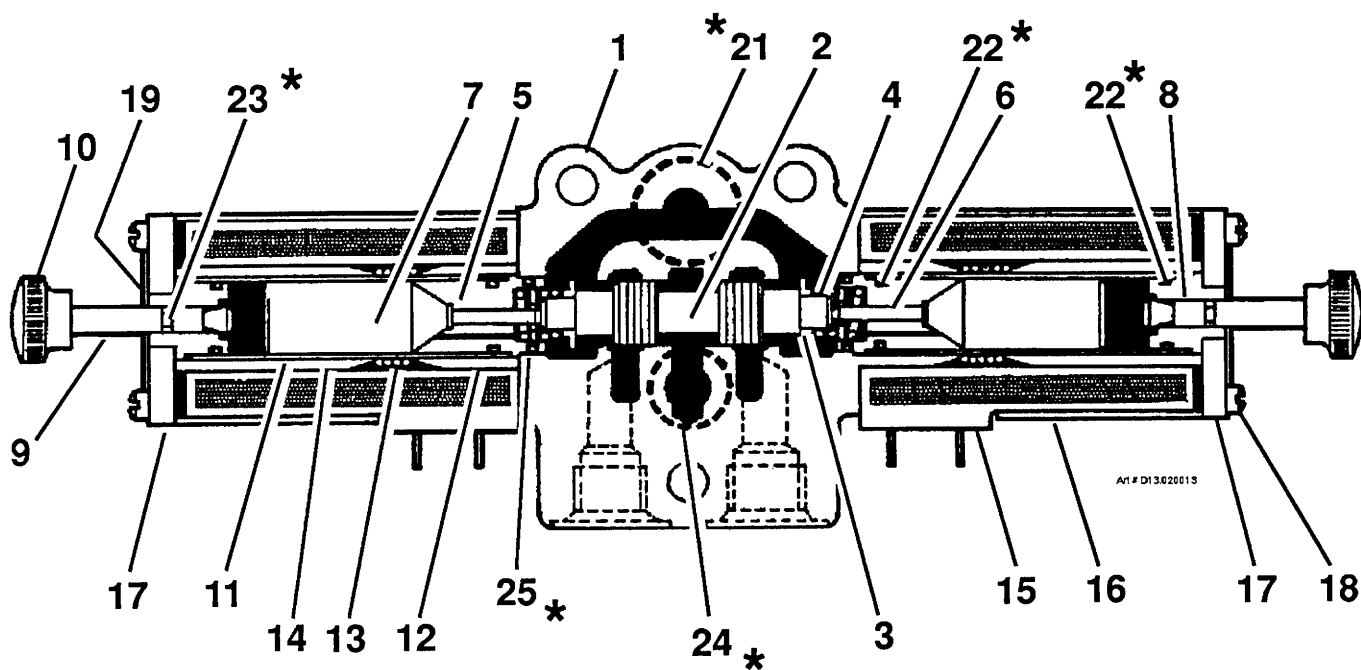
[illegible]

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

PLATE NO	D13.02	SIMON AERIALS INC.
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REV. 05/29/91

PART NO. 01-031800



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

SIMON AERIALS INC.

REV. 05/29/91

PART
NO.

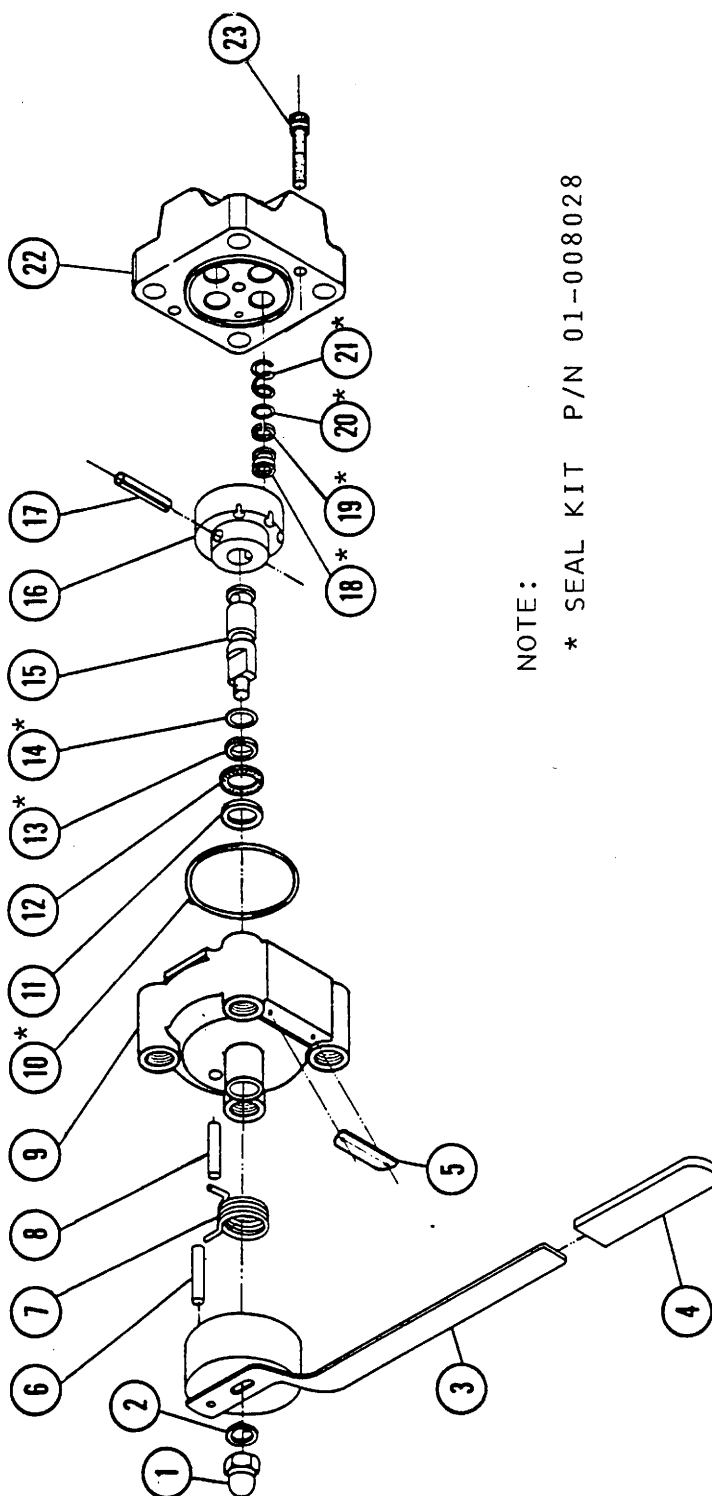
01-031800

PLATE
NO.

D13.02

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-008001		ACORN NUT	1
2			LOCKWASHER	1
3			HANDLE	1
4	01-008002		HANDLE GRIP	1
5			NAMEPLATE	1
6			HUB DOWEL PIN	1
7	01-008003		TORSION SPRING	1
8			HOUSING ROLL PIN	1
9			HOUSING	1
10*	01-008007		HOUSING 'O' RING	1
11			THRUST WASHER	1
12			THRUST BEARING	1
13*	01-008004		SHAFT BACKUP RING	1
14*			SHAFT 'O' RING	1
15			SHAFT	1
16	01-008005		ROTOR	1
17			ROTOR ROLL PIN	1
18*			SEAL	3
19*	01-008006		BACK-UP RING	3
20*			'O' RING	3
21*			SPRING	3
22	1-008028		BODY	1
23			CAP SCREW	4
*			SEAL KIT	1
DESCRIPTION			4-WAY MANUAL VALVE	PART NO. 01-008000



NOTE:

* SEAL KIT P/N 01-008028

1283/0677

DESCRIPTION

4-WAY MANUAL VALVE

PART NO.

01-008000

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	04-002201		PISTON NUT	1
2			PISTON	1
3			SPACER	1
4			HEAD GLAND	1
5			CASE	1
6			ROD	1
7*			WIPER	1
8*			ROD SEAL	1
9*			'O' RING	1
10*			BACK-UP RING	1
11*			PISTON RING	2
12*			PISTON SEAL	1
13*			'O' RING	1
14*			'O' RING	1
15*			BACK-UP RING	2
16			SET SCREW	1
17			SET SCREW	1
*			SEAL KIT	1

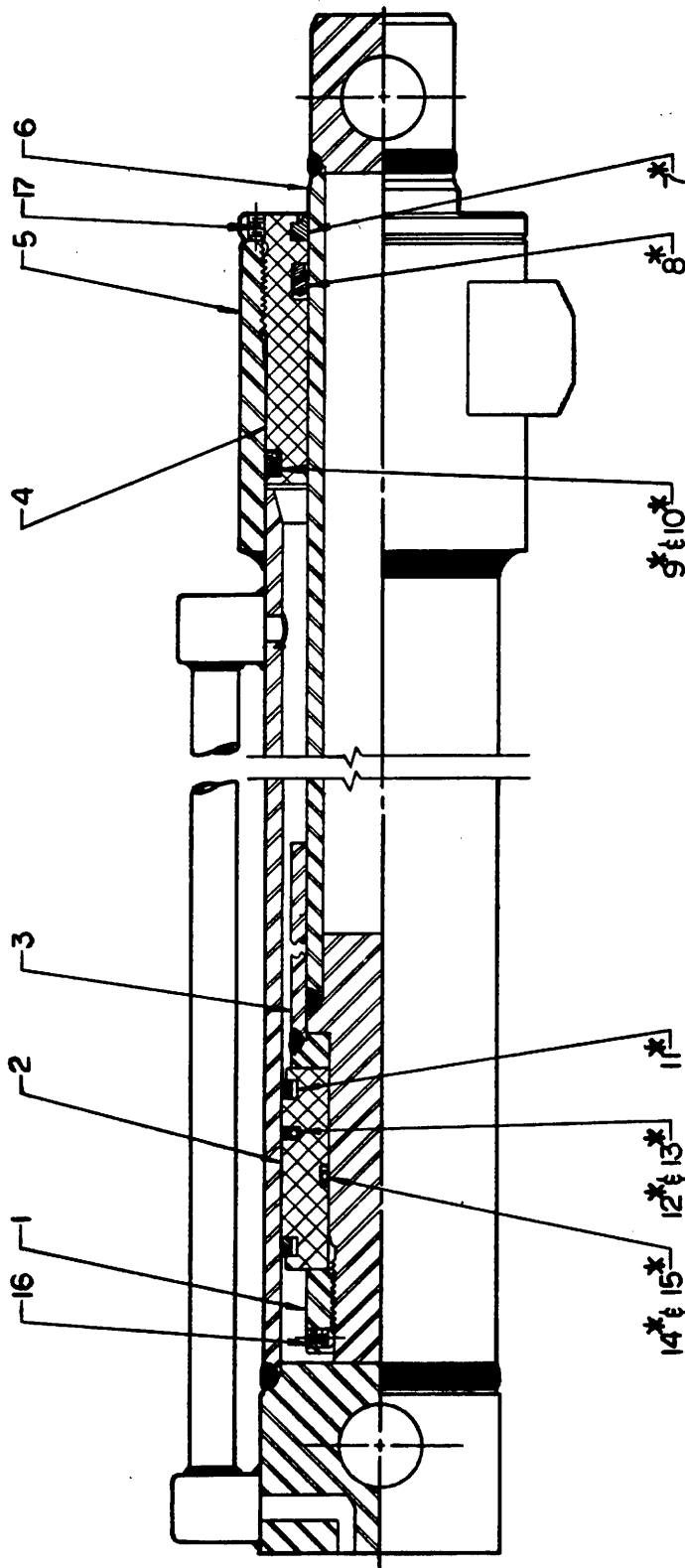
DESCRIPTION

EXTEND CYLINDER

PART NO.

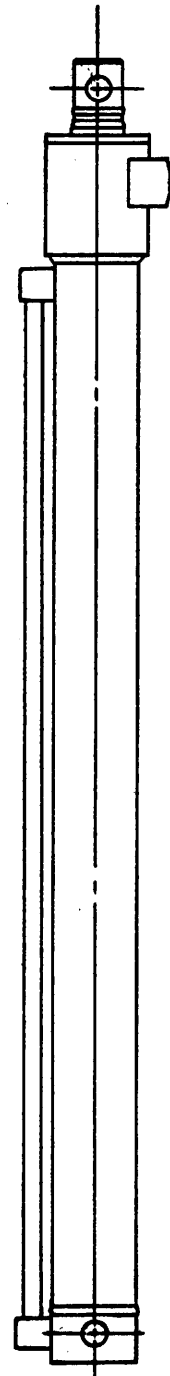
04-010000

D19.2



NOTE:

* SEAL KIT P/N 04-002201



0584/0384

DESCRIPTION

EXTEND CYLINDER

PART NO.

04-010000

PARTS LIST

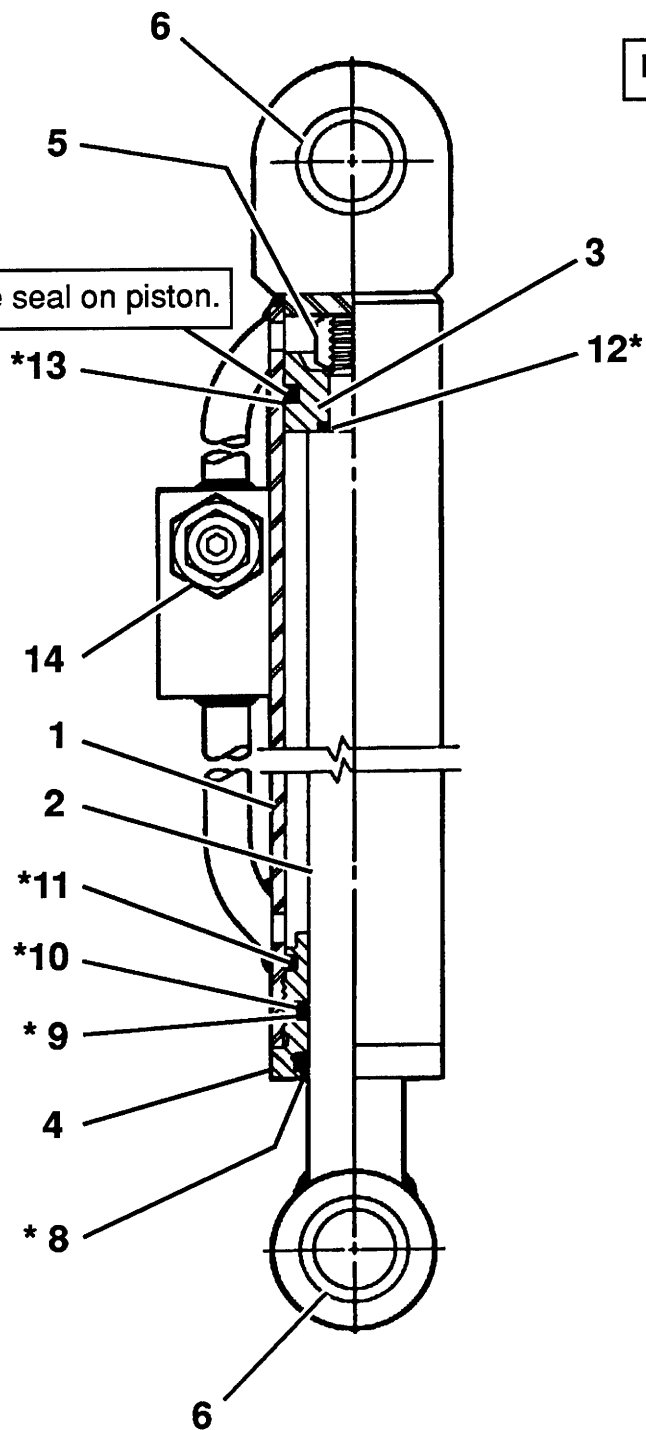
[illegible]

TITLE SLAVE LEVELING CYLINDER, 17.8" (.45 M) STROKE

PLATE NO.	D20.02	SIMON AERIALS INC.
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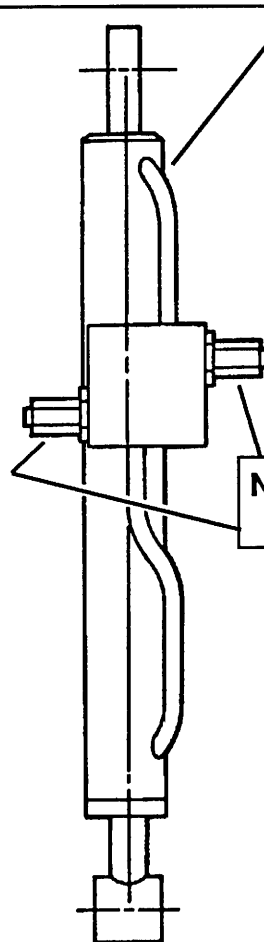
REV. 05/02/91

PART NO. 04-007300



Note: One seal on piston.

Note: No boss where tubes enter case.



Note: Two holding valves.

Art # D20.020013

TITLE SLAVE LEVELING CYLINDER, 17.8" (.45 M) STROKE

SIMON AERIALS INC.

REV. 05/02/91

PART NO. 04-007300

PLATE NO. D20.02

PARTS LIST

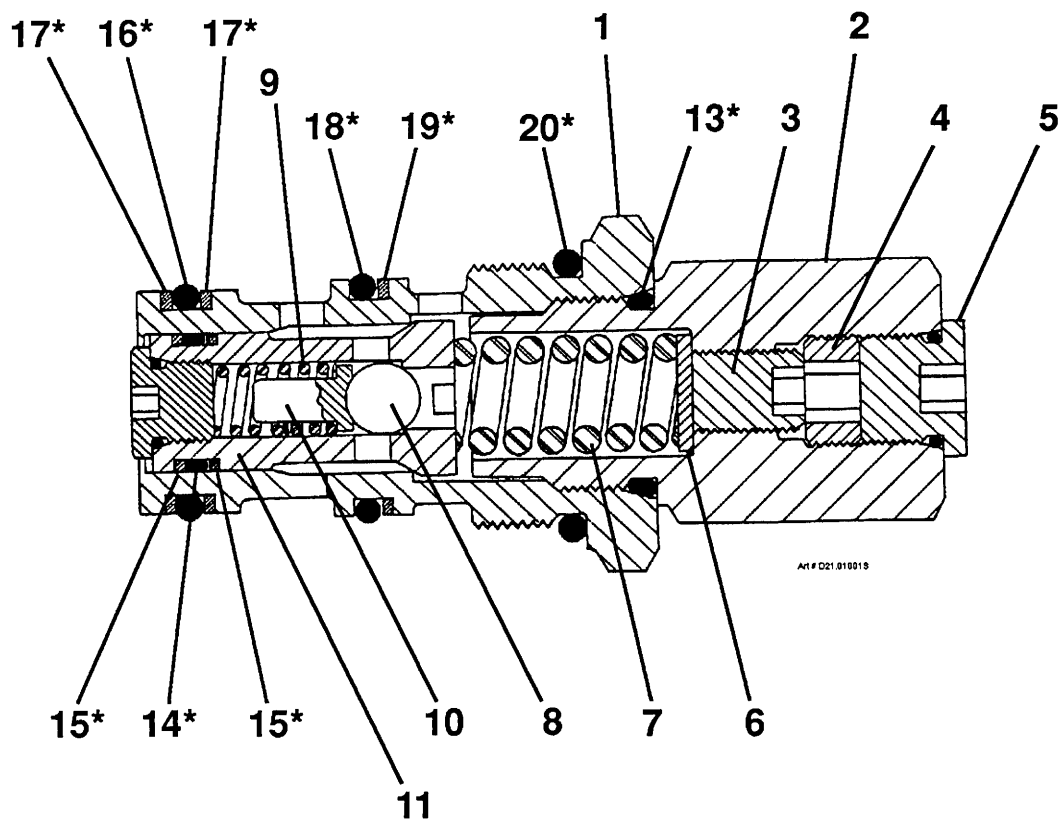
[illegible]

TITLE HOLDING VALVE, SLAVE LEVELING CYLINDER

PLATE NO.	D21.01	SIMON AERIALS INC.
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REV. 05/02/91

PART NO. 01-032500



TITLE

HOLDING VALVE, SLAVE LEVELING CYLINDER

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

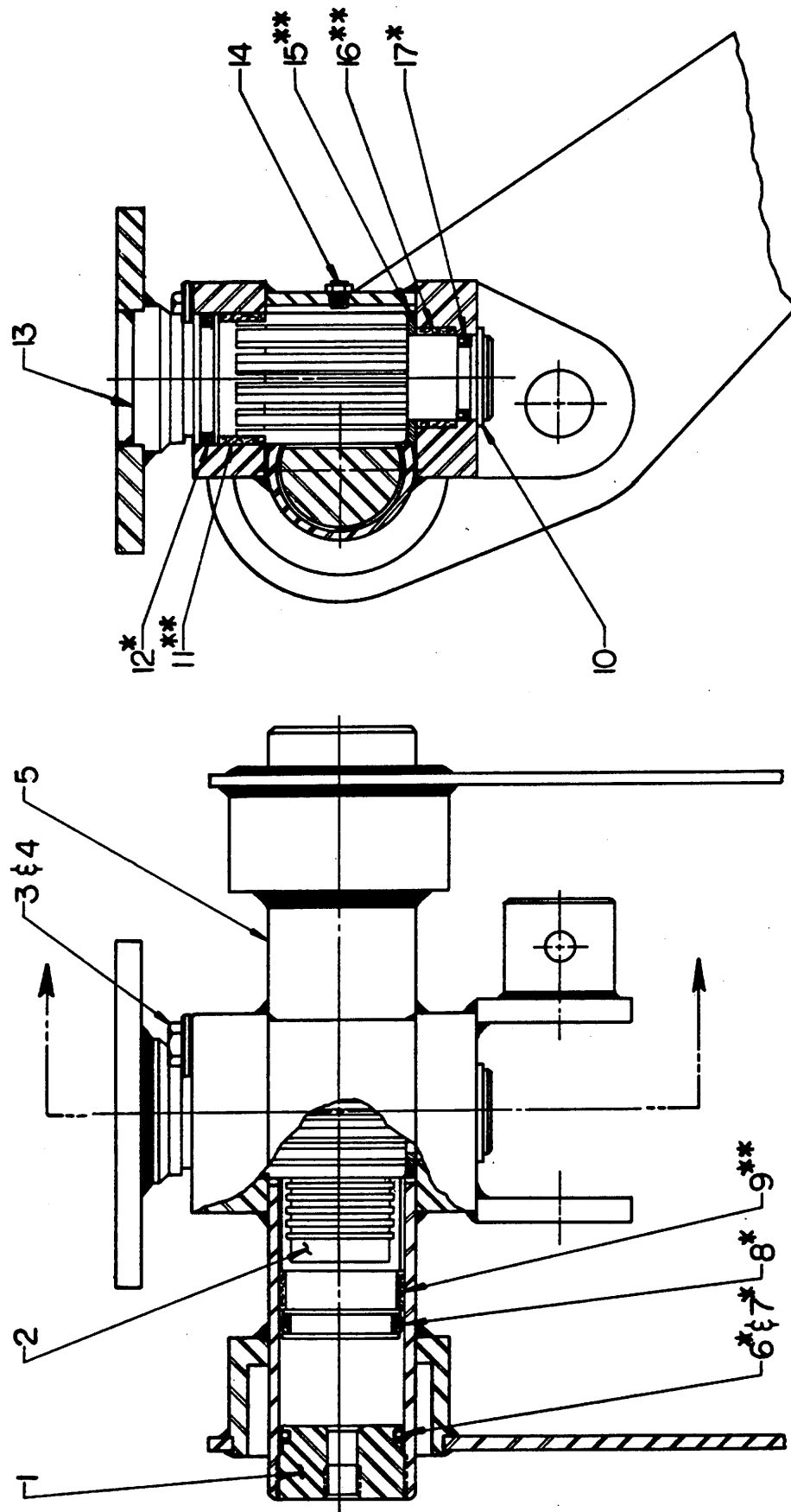
01-032500

PLATE
NO.

D21.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			END CAP	2
2			RACK	1
3			SAFETY BOLT	1
4			SAFETY WASHER	1
5			HOUSING	1
6*			"O"-RING	2
7*			BACK-UP RING	2
8*			RACK SEAL	2
9**			RACK WEARSTRIP	2
10			SNAP RING	1
11**			PINION SHAFT WEARSTRIP	1
12*			PINION SHAFT SEAL	1
13			PINION	1
14			RELIEF VALVE	1
15**			THRUST RING	1
16**			PINION SHAFT WEARSTRIP	1
17*			PINION SHAFT SEAL	1
*	02-004901		SEAL KIT	1
**	02-004902		BEARING KIT	1
DESCRIPTION			PART NO.	
PLATFORM ROTARY ACTUATOR			SDW-206919-1	



NOTE:
 *SEAL KIT P/N 02-004901
 **BEARING KIT P/N 02-004902

0484/0384
 DESCRIPTION

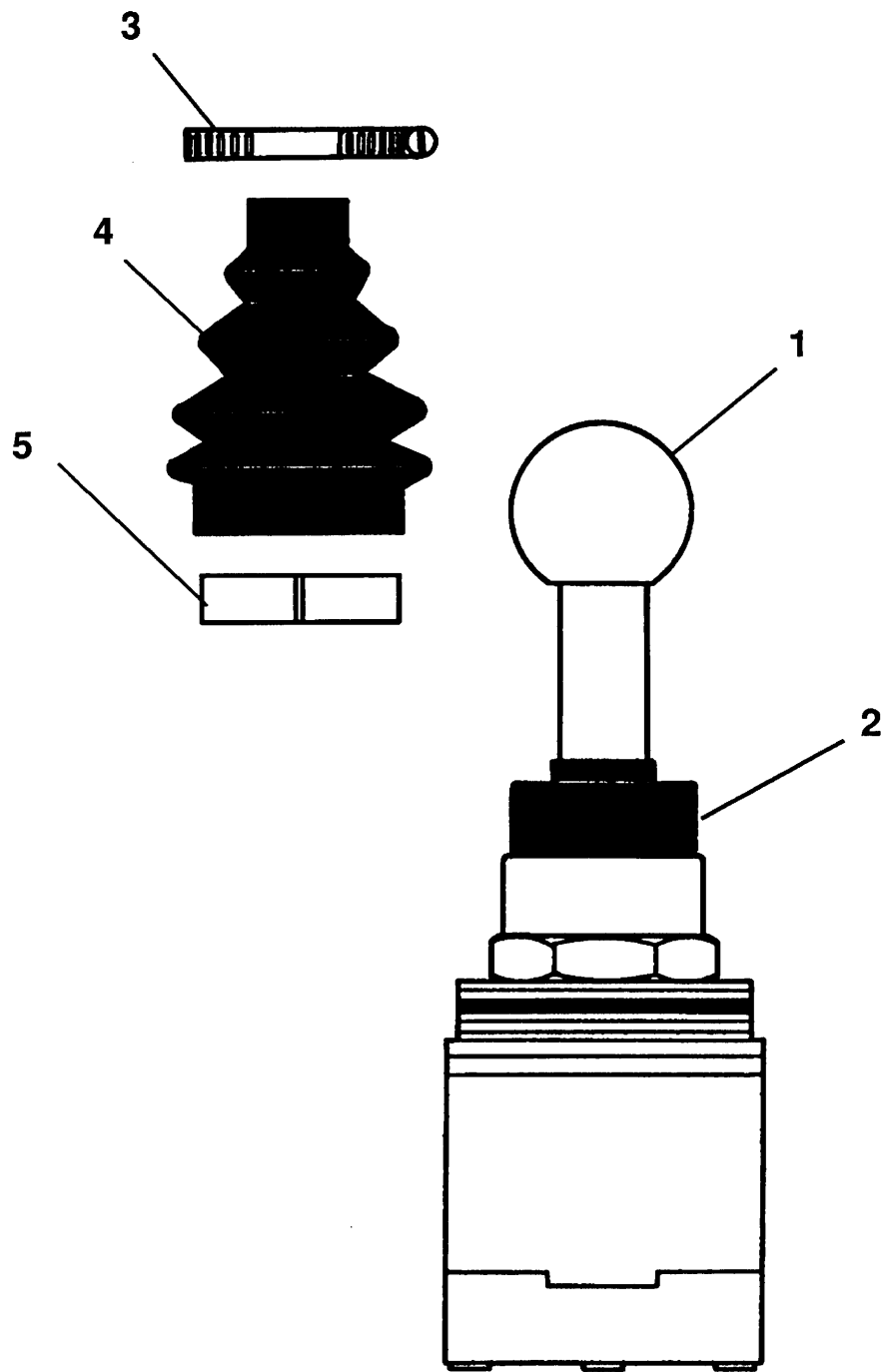
PLATFORM ROTARY ACTUATOR

PART NO.
 SDW-206919-1

[illegible]

JOYSTICK CONTROLLER (5 POSITION)

PART NO. 03-021800



TITLE

JOYSTICK CONTROLLER (5 POSITION)

SIMON AERIALS INC.

REV. 08/08/91

PART
NO.

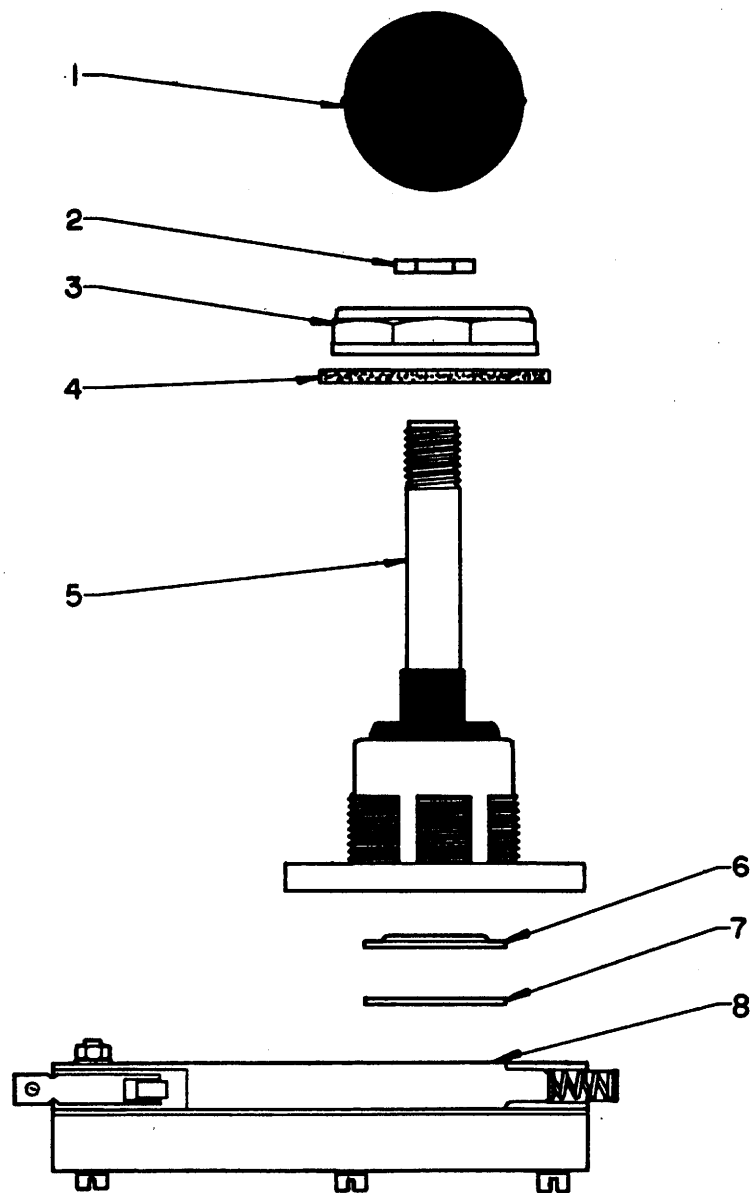
03-021800

PLATE
NO.

E01.03

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-061601		KNOB	1
2			JAM NUT	1
3			RETAINING NUT	1
4			GASKET	1
5			HANDLE	1
6			COMMON GATE	1
7			POSITION GATE (8 POSITION)	1
8			MECHANISM	1
DESCRIPTION			JOYSTICK (8 POSITION)	PART NO. 03-061600



0784/0983

DESCRIPTION

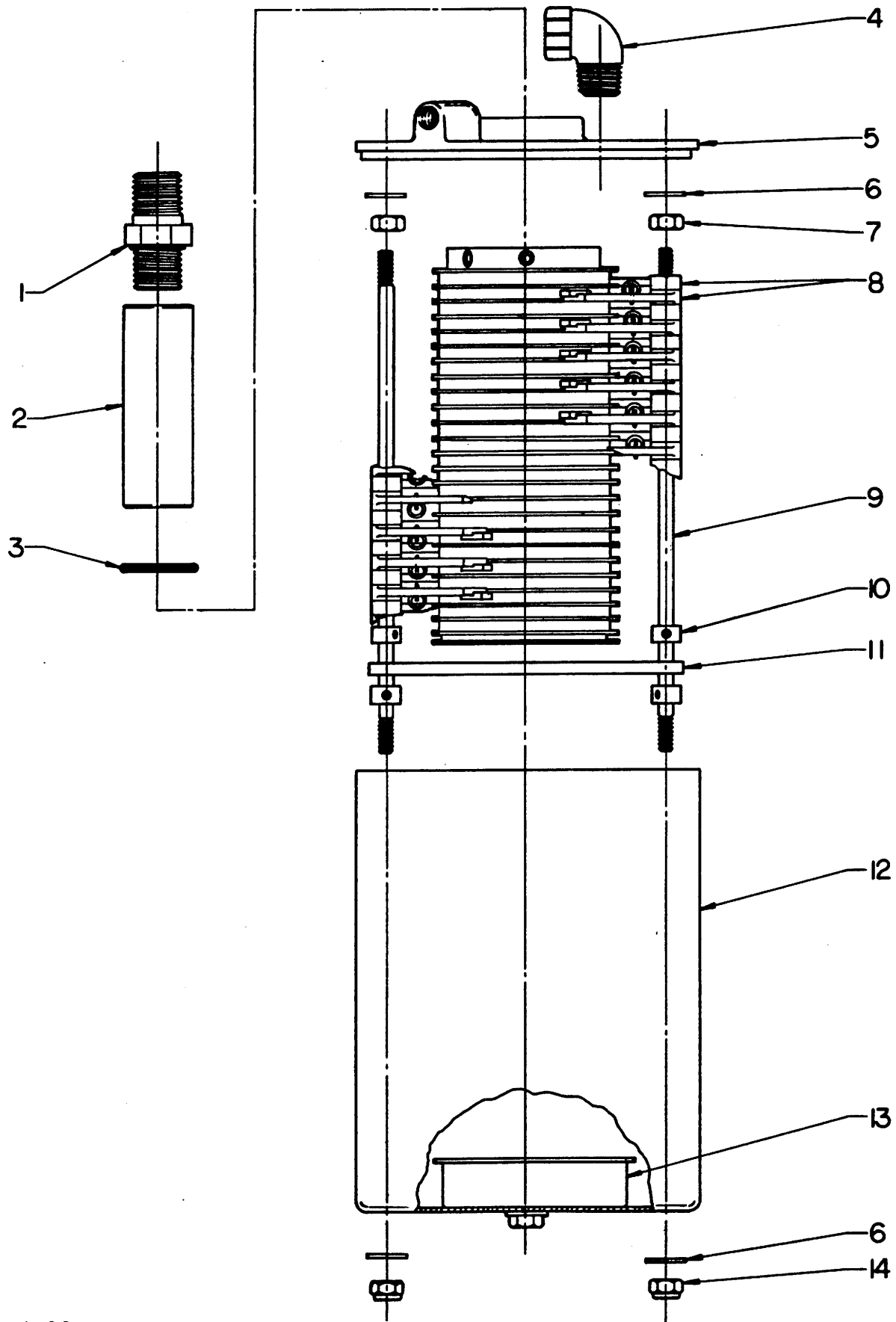
JOYSTICK (8 POSITION)

PART NO.

03-061600

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SAM-207232-4		MODIFIED CONNECTOR	1
2	SAD-206755-9		CONNECTING COLLAR	1
3			'O' RING	
4			CORD GRIP, 90° 3/4"	1
5			BASE PLATE	1
6			FLATWASHER, 5/16"	4
7			HEX NUT, 5/16"-18	2
8			BRUSH ASSEMBLY (INCL. BRUSH, ARMS & SPRING)	24
9			BRUSH HOLDING STUD	2
10			COLLAR	4
11			NYLONG BEARING	1
12			COVER	1
13			RUBBING DISC	1
14			LOCKNUT, 5/16"-18	2
DESCRIPTION			PART NO.	
ELECTRICAL SWIVEL, 24 CIRCUIT			03-035800	



0883/0883

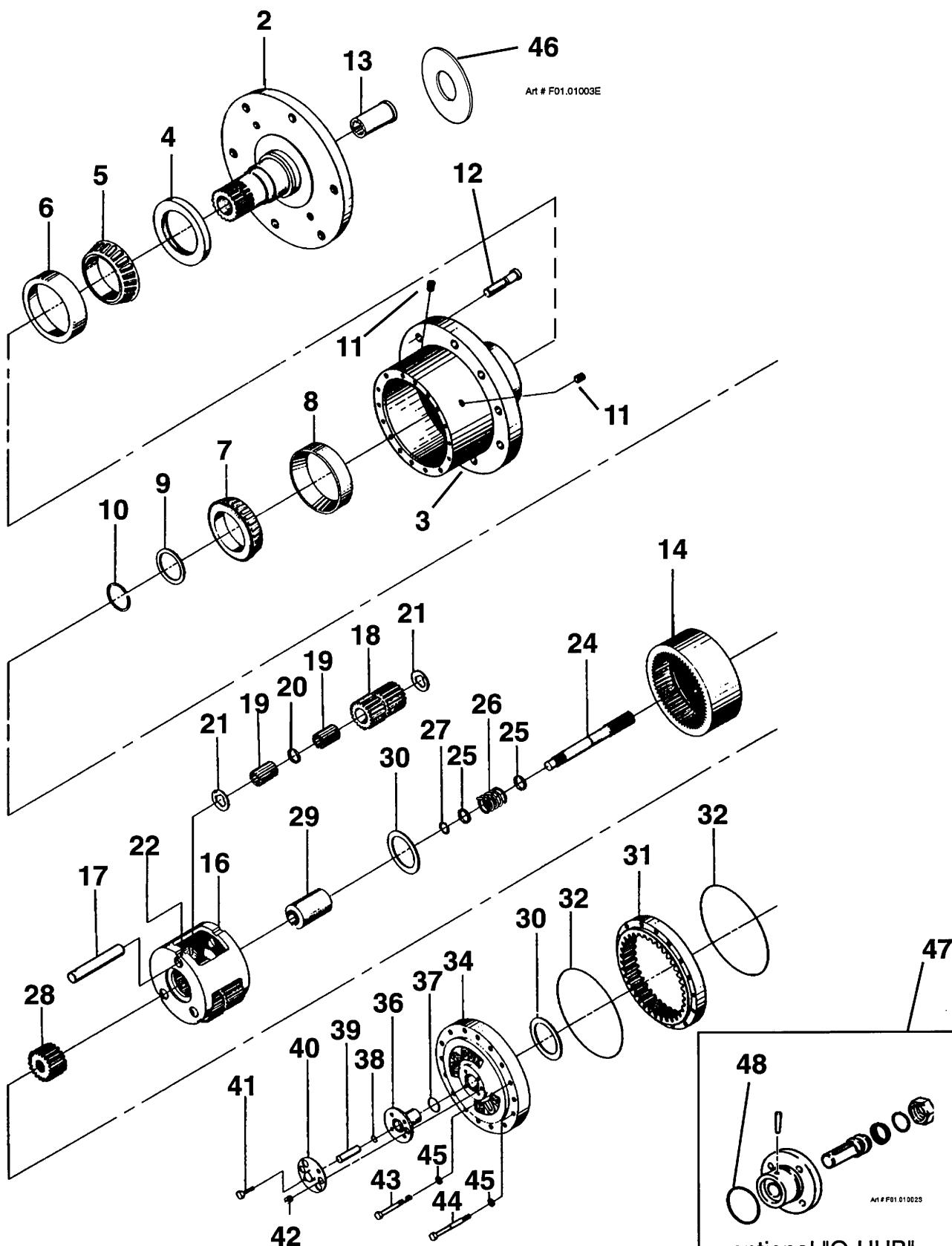
DESCRIPTION

ELECTRICAL SWIVEL, 24 CIRCUIT

PART NO.

03-035800

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-000500		TORQUE HUB ASSEMBLY (24.85:1 Ratio) Note: Nameplate (found on Hub cover, item 34) reads "W1 B14 0324" or "W1 BDN 0324" on " Type 1 " Hub (Torque Hubs built prior to October 1990). Nameplate reads "W1 BFN 0324" on " Type 2 " Hub (Torque Hubs built October 1990 and later)	1
1			HUB AND SPINDLE ASSEMBLY	1
2	02-000502		SPINDLE (for " Type 1 " Hub)	1
	02-000545		SPINDLE (for " Type 2 " Hub)	1
3	02-000525		HUB [9 hole, 9.5" (241 mm) bolt circle] (for " Type 1 " Hub)	1
	02-000547		HUB [9 hole, 9.5" (241 mm) bolt circle] (for " Type 2 " Hub)	1
4	02-000507		SEAL, HUB (for " Type 1 " Hub)	1
	02-000548		SEAL, HUB (for " Type 2 " Hub)	1
5			CONE AND ROLLER, HUB BEARING (inner)	1
	02-000521		(for " Type 1 " Hub)	
	02-000549		(for " Type 2 " Hub)	
6	02-000520		CUP, HUB BEARING (inner) (for " Type 1 " Hub)	1
	02-000550		CUP, HUB BEARING (inner) (for " Type 2 " Hub)	1
7	02-000528		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000527		CUP, HUB BEARING (outer)	1
9	02-000518		SPACER, HUB	1
10	02-000517		RING, RETAINING	1
11	02-000533		PLUG, PIPE	2
12	02-000526		STUD, WHEEL MOUNTING (1/2"-20 x 1-7/8")	9
	07-030618		STUD, WHEEL MOUNTING (9/16"-18 x 2-1/8")	9
13	02-000503		COUPLING, MOTOR	1
14	02-000537		GEAR, INTERNAL	1
15	02-000536		CARRIER ASSEMBLY, PLANETARY	1
16	02-000532		CASE, CARRIER	1
17	02-000538		SHAFT, PLANET	3
18	02-000544		GEAR, PLANET	3
19	02-000540		ROLLER, NEEDLE	96
20	02-000505		SPACER	3
21	02-000539		WASHER, THRUST	6
22	02-000542		PIN, ROLL	3
23			SHAFT ASSEMBLY, INPUT	1
24	02-000506		SHAFT, INPUT	1
25	02-000505		SPACER	2
26	02-000504		SPRING	1
27	02-000509		RING, RETAINING	1
TITLE TORQUE HUB (24.85:1) (PLATE 1 OF 2)				
PLATE NO. F01.01		SIMON AERIALS INC.		PART NO. 02-000500
REV. 24 AUG., 1994				



TITLE

TORQUE HUB (24.85:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART
NO.

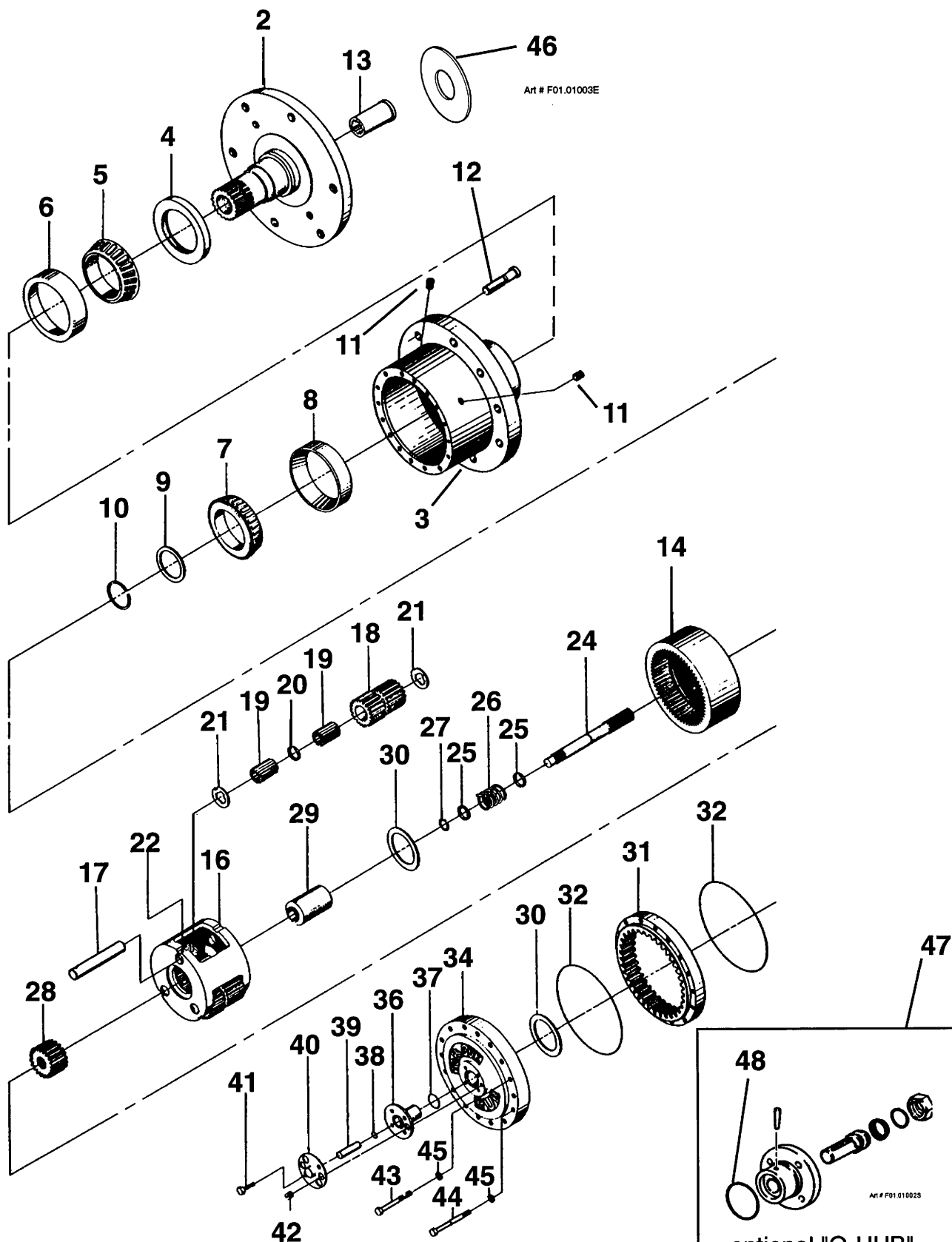
02-000500

PLATE
NO.

F01.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	02-000530		GEAR, INPUT	1
29	02-000531		SPACER, THRUST	1
30	02-000529		WASHER, THRUST	2
31	02-000515		GEAR, RING	1
32	02-000516		"O"-RING	2
33			COVER ASSEMBLY, HUB	1
34	02-000508		COVER, HUB	1
35	02-000519		CAP, COVER	1
Note: Items 35 through 42 are for units without "Q-hub" quick-disconnect option.				
36	02-000514		CAP, HEX	1
37	02-000513		"O"-RING	1
38	02-000512		"O"-RING	1
39	02-000511		ROD, DISCONNECT	1
40	02-000501		CAP, DISCONNECT	1
41	07-003003		BOLT (without "Q-hub" quick-disconnect option)	4
42	02-000533		PLUG, PIPE (Oil level check)	1
43	02-000534		BOLT	12
44	02-000524		BOLT, SHOULDER	4
45	02-000535		WASHER, FLAT	16
46	2176980		SPACER	1
The following optional kit may be installed on your hub:				
47	02-000510		CAP KIT, COVER (quick-disconnect "Q-hub" kit)	1
48	02-000523		SEAL, DISCONNECT CAP	
TITLE TORQUE HUB (24.85:1) (PLATE 2 OF 2)				
PLATE NO. F01.01	SIMON AERIALS INC.		PART NO. 02-000500	REV. 24 AUG., 1994

02-000500



TITLE

TORQUE HUB (24.85:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 24 AUG., 1994

PART
NO.

02-000500

PLATE
NO.

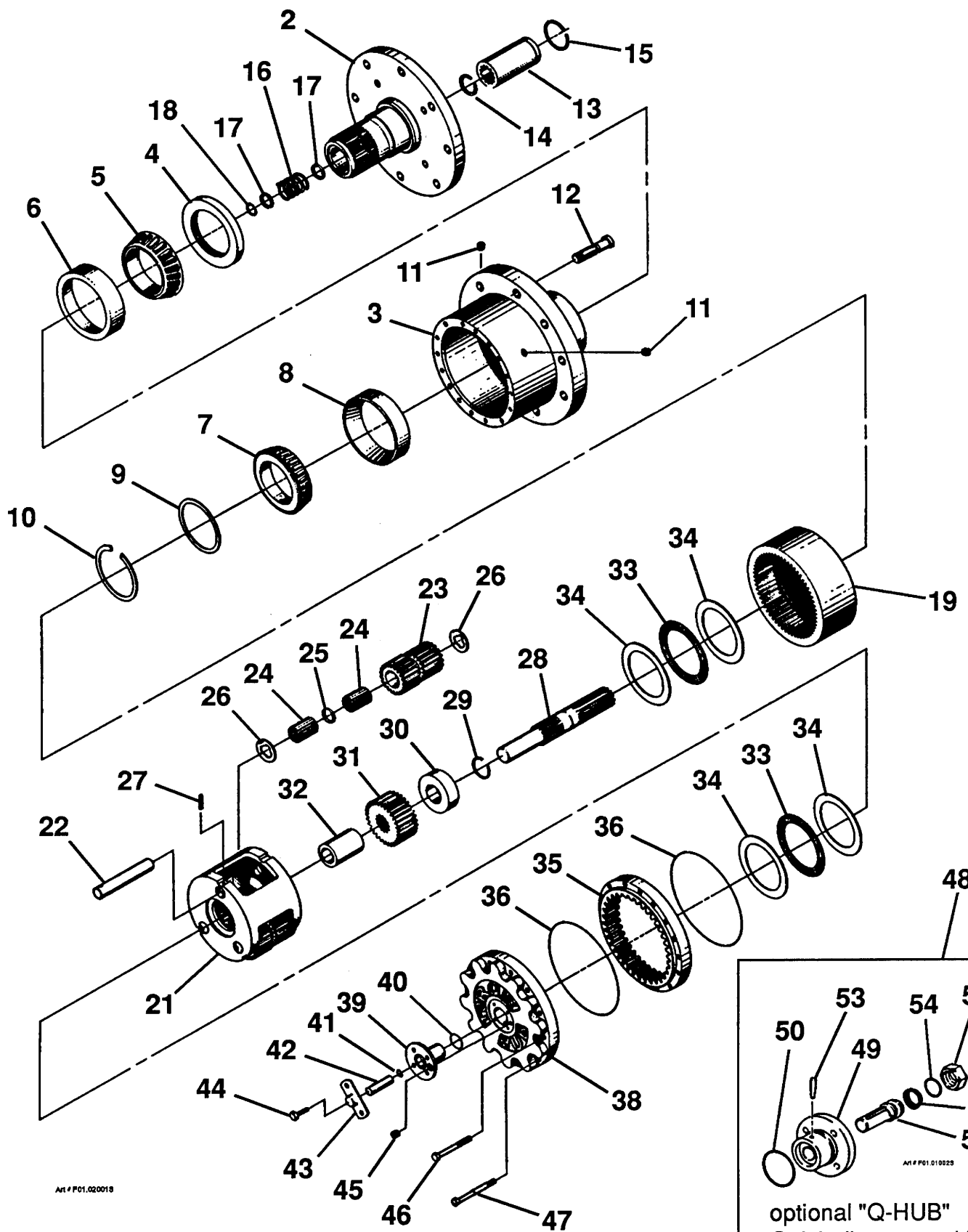
F01.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 34) reads "W3B110343 ZB" (some earlier versions may read "W3BM10343".)	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-000620		SPINDLE	1
3	02-000628		HUB [10 hole, 13-3/16" (335 mm) bolt circle]	1
4	02-000605		SEAL, HUB	1
5	02-000617		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-000632		CUP, HUB BEARING (inner)	1
7	02-000616		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000633		CUP, HUB BEARING (outer)	1
9	02-000623		SPACER, HUB	1
10	02-000606		RING, RETAINING	1
11			PLUG, PIPE	2
12	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
13	02-000615		COUPLING, MOTOR	1
14	02-000626		RING, RETAINING	1
15	02-000619		RING, RETAINING	1
16	02-000625		SPRING	1
17	02-000627		WASHER	2
18	02-000626		RING, RETAINING	1
19	02-000624		GEAR, INTERNAL	1
20	02-000622		CARRIER ASSEMBLY, PLANETARY	1
21			CASE, CARRIER	1
22	02-000635		SHAFT, PLANET	3
23	02-000637		GEAR, PLANET	3
24	02-000630		ROLLER, NEEDLE	84
25	02-000631		SPACER	3
26	02-000629		WASHER, THRUST	6
27	02-000636		PIN, ROLL	3
28	02-000614		SHAFT, INPUT	1
29	02-000619		RING, RETAINING	1
30	02-000611		SPACER, THRUST	1
31	02-000613		GEAR, INPUT	1
32	02-000612		SPACER, THRUST	1
33	02-000610		BEARING, THRUST	2
34	02-000609		WASHER, THRUST	4
35	02-000634		GEAR, RING	1
36	02-000607		O-RING	2

TITLE TORQUE HUB (43:1) (PLATE 1 OF 2)

PLATE NO. F01.02	SIMON AERIALS INC.	REV.05/16/91	PART NO. 02-000600
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Art # P01.020019

Art # P01.010029

optional "Q-HUB"
Quick disconnect kit

TITLE

TORQUE HUB (43:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

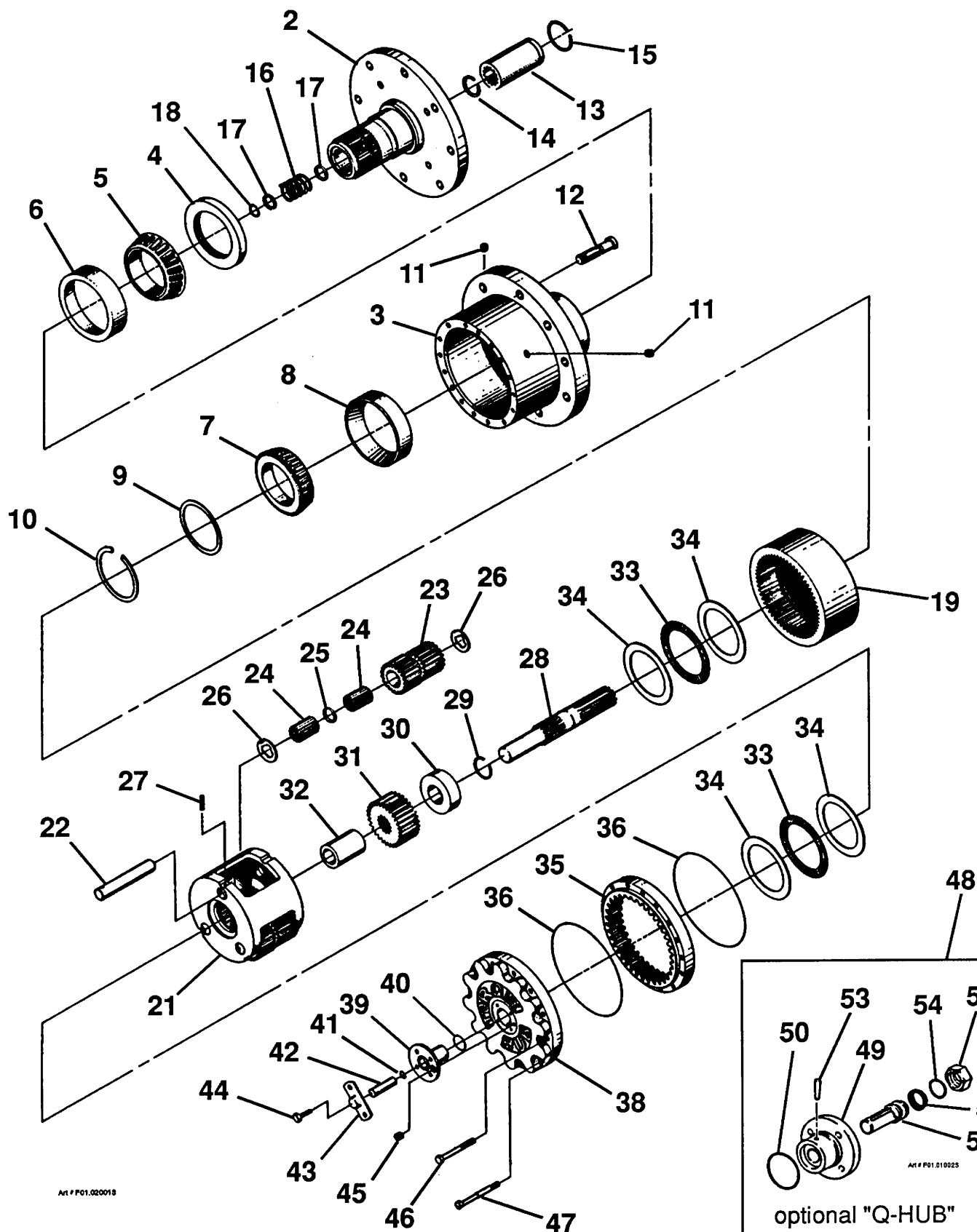
[illegible]

TITLE TORQUE HUB (43:1) (PLATE 2 OF 2)

PLATE NO.	F01.02	SIMON AERIALS INC.
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REV.06/28/91
THIS SHEET ONLY

PART NO. 02-000600



Alt # F01.020019

Alt # F01.010025

optional "Q-HUB"
Quick disconnect kit

TITLE

TORQUE HUB (43:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV.05/16/91

PART
NO.

02-000600

PLATE
NO.

F01.02

PARTS LIST

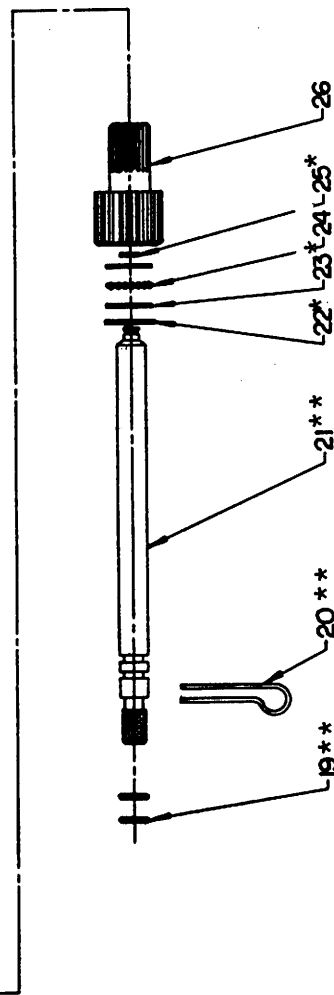
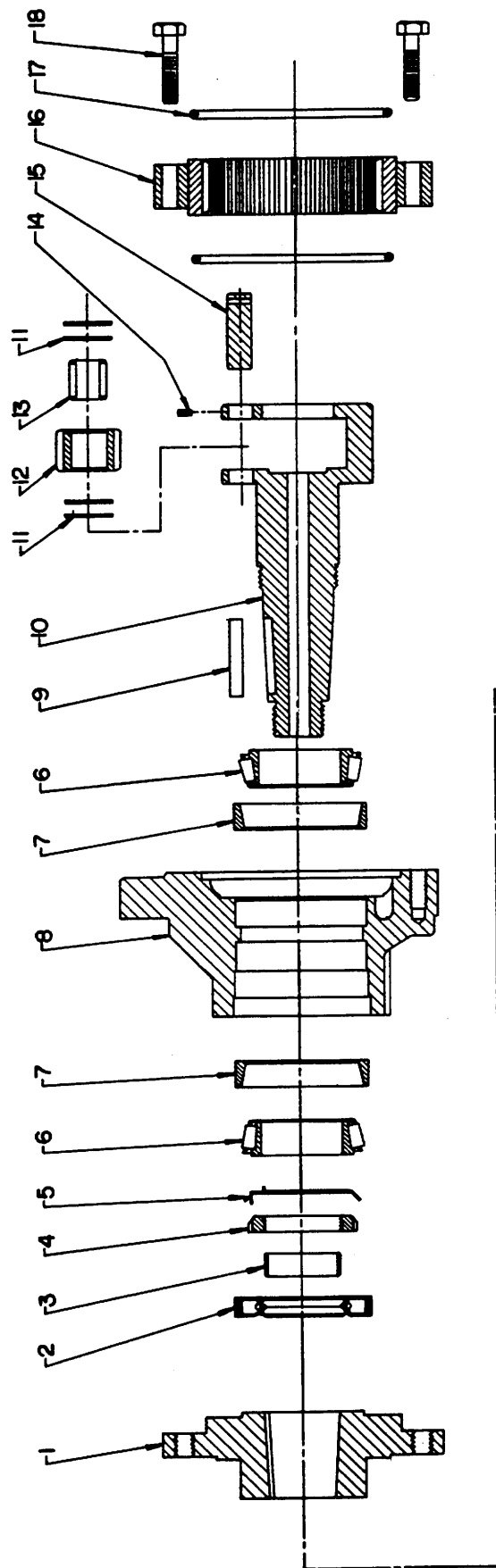
ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1			WHEEL ADAPTER	1
2	02-008003		SHAFT SEAL	1
3	02-008015		SEAL SLEEVE	1
4	02-008016		LOCKNUT	1
5	02-008011		LOCKWASHER	1
6	02-008017		BEARING CONE	2
7	02-008018		BEARING CUP	2
8	02-008005		HUB	1
9			KEY	1
10	02-008010		OUTPUT SHAFT	1
11	02-008007		THRUST WASHER	12
12	02-008006		PLANET GEAR	3
13	02-008013		NEEDLE ROLLERS	57
14	02-008008		SPRING PIN	3
15	02-008004		PLANET SHAFT	3
16	02-008012		RING GEAR	1
17	02-008014		'O' RING	2
18			HEX HEAD CAP SCREW	2
19*			'O' RING	2
20*			COTTER PIN	1
21*			DISCONNECT ROD	1
22*			SNAP RING	1
23*			THRUST WASHER	2
24*			THRUST BEARING	1
25*			SNAP RING	1
26	02-008024		SUN GEAR	1
27	02-008009		NUT, OUTPUT SHAFT (NOT SHOWN)	1
*	02-008002		DISCONNECT KIT	1

DESCRIPTION

TORQUE HUB

PART NO.

02-008000



NOTE:

P/N 02-008000 ALSO INCLUDES
DRIVE BRAKE ASSEMBLY D3.6

0784/0384

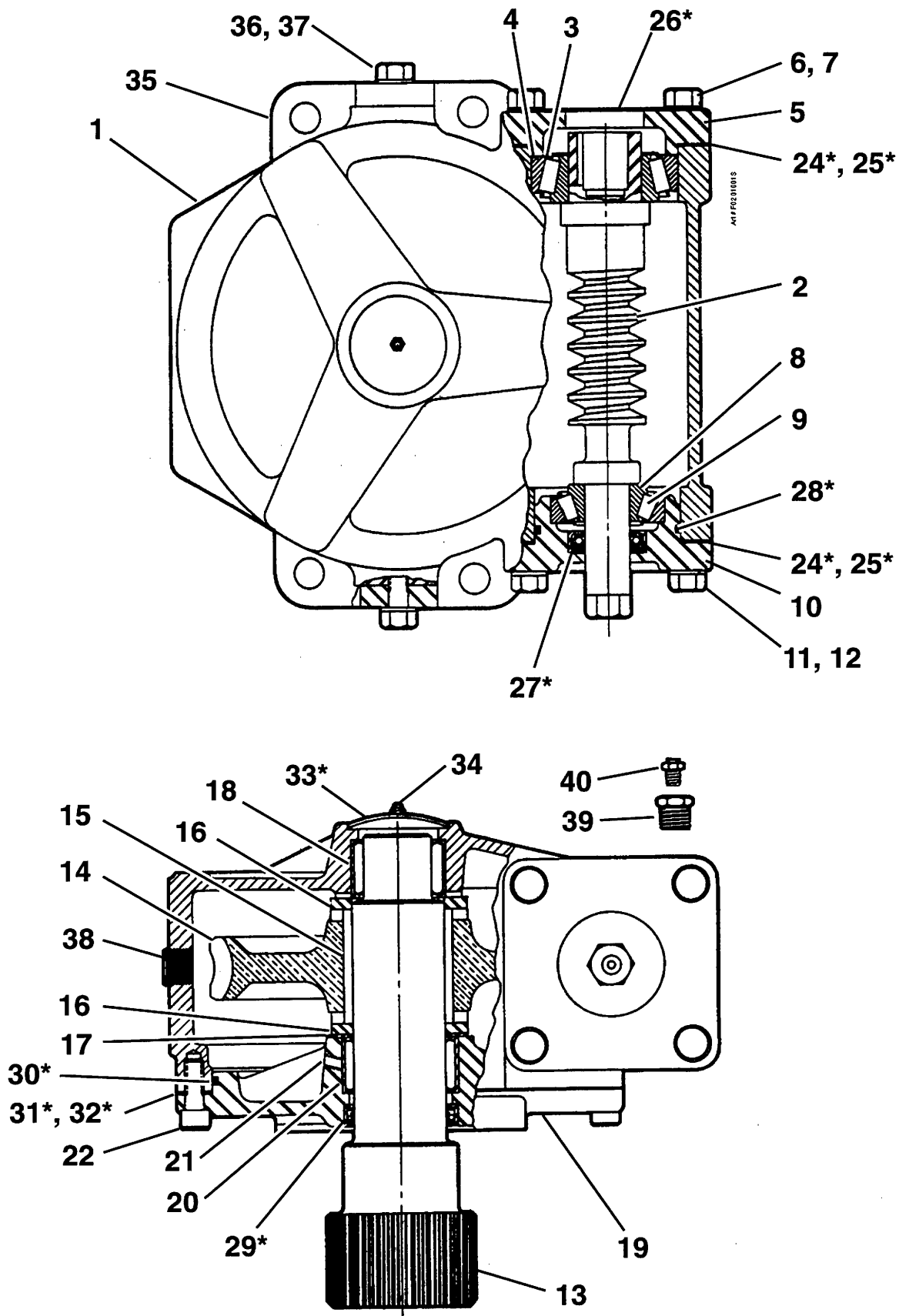
DESCRIPTION

TORQUE HUB

PART NO.

02-008000

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-000423		HOUSING, SWING REDUCER	1
2			SHAFT, WORM	1
3			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	02-000406		RETAINER, INPUT BEARING	1
6			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2", Grade 5)	4
7	02-000421		WASHER, LOCK (7/16")	4
8			CONE AND ROLLER, BEARING (1" [25 mm] bore)	1
9			CUP, BEARING (2-9/16" [65 mm] O.D.)	1
10	02-000433		RETAINER, BEARING	1
11			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4", Grade 5)	4
12			WASHER, LOCK (7/16")	4
13	02-000401		SHAFT, OUTPUT	1
14	02-000418		GEAR, WORM	1
15	02-000444		KEY (3/8" [9.5 mm] square)	2
16	02-000407		RING, THRUST	2
17	02-000408		SPACER	1
18	02-000427		BEARING, ROLLER (1-1/2" [38 mm] I.D.)	1
19	02-000403		COVER, SWING REDUCER	1
20	02-000428		BEARING, ROLLER (2" [51 mm] I.D.)	1
21			SET SCREW (1/4"-20 x 3/8")	1
22	02-000461		CAP SCREW (7/16"-14 x 1")	6
23	02-000460		SEAL KIT, SWING REDUCER	1
24	02-000409		GASKET, BEARING RETAINER (1/64" [0.4 mm]) (4 in kit)	A.R.
25	02-000410		GASKET, BEARING RETAINER (1/32" [0.8 mm]) (4 in kit)	A.R.
26	02-000413		GASKET, MOTOR MOUNTING	1
27	02-000431		SEAL, WORM SHAFT (1" [25 mm] I.D.)	1
28	02-000429		"O"-RING, BEARING RETAINER	1
29	02-000432		SEAL, OUTPUT SHAFT (2" [51 mm] I.D.)	1
30	02-000430		"O"-RING, COVER	1
31	02-000411		GASKET, COVER (1/64" [0.4 mm] red fiber) (2 in kit)	A.R.
32	02-000412		GASKET, COVER (1/32" [0.8 mm] red fiber) (2 in kit)	A.R.
33	02-000414		PLUG, EXPANSION (drilled for grease fitting)	1
34	08-053100		FITTING, GREASE (1/4"-28, straight)	1
35			BRACKET	2
36			CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	4
37			WASHER, LOCK (7/16")	4
38			PLUG, HEX SOCKET (1/2"-14 NPT)	1
39			BUSHING, REDUCER	1
40	02-000439		PLUG, VENT (1/8" NPT)	1
TITLE SWING REDUCER ASSEMBLY				
PLATE NO.	F02.01	SIMON AERIALS INC.		PART NO. 02-000400
REV. 25 AUG., 1994				



TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 25 AUG., 1994

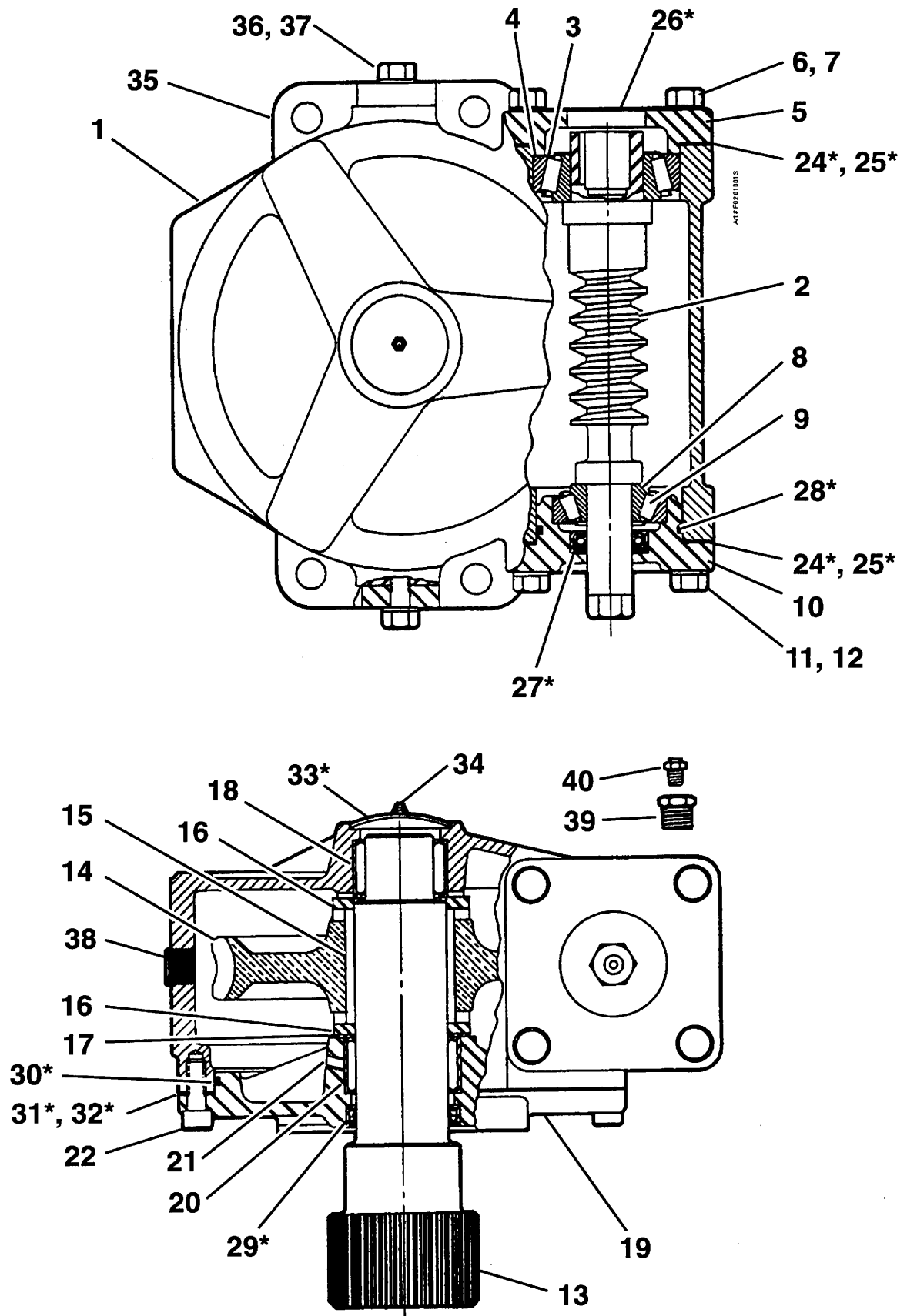
PART
NO.

02-000400

PLATE
NO.

F02.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOUSING, SWING REDUCER	1
2			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	02-000406		RETAINER, INPUT BEARING	1
6			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2", Grade 5)	4
7			WASHER, LOCK (7/16")	4
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	02-000433		RETAINER, BEARING	1
11			CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4", Grade 5)	4
12			WASHER, LOCK (7/16")	4
13	02-000401		SHAFT, OUTPUT	1
14	02-000418		GEAR, WORM	1
15	02-000444		KEY (3/8" [9.5 mm] square)	2
16	02-000407		RING, THRUST	2
17	02-000408		SPACER	1
18	02-000427		BEARING, ROLLER (1-1/2" [38 mm] I.D.)	1
19	02-000403		COVER, SWING REDUCER	1
20	02-000428		BEARING, ROLLER (2" [51 mm] I.D.)	1
21			SET SCREW (1/4"-20 x 3/8")	1
22	02-000461		CAP SCREW (7/16"-14 x 1")	6
23	02-000460		SEAL KIT, SWING REDUCER	1
24	02-000409		GASKET, BEARING RETAINER (1/64" [0.4 mm]) (4 in kit)	A.R.
25	02-000410		GASKET, BEARING RETAINER (1/32" [0.8 mm]) (4 in kit)	A.R.
26	02-000413		GASKET, MOTOR MOUNTING	1
27	02-000431		SEAL, WORM SHAFT (1" [25 mm] I.D.)	1
28	02-000429		"O"-RING, BEARING RETAINER	1
29	02-000432		SEAL, OUTPUT SHAFT (2" [51 mm] I.D.)	1
30	02-000430		"O"-RING, COVER	1
31	02-000411		GASKET, COVER (1/64" [0.4 mm] red fiber) (2 in kit)	A.R.
32	02-000412		GASKET, COVER (1/32" [0.8 mm] red fiber) (2 in kit)	A.R.
33	02-000414		PLUG, EXPANSION (drilled for grease fitting)	1
34	08-053100		FITTING, GREASE (1/4"-28, straight)	1
35			BRACKET	2
36			CAP SCREW, HEX HEAD (7/16"-14 x 1", Grade 5)	4
37			WASHER, LOCK (7/16")	4
38			PLUG, HEX SOCKET (1/2"-14 NPT)	1
39			BUSHING, REDUCER	1
40	02-000439		PLUG, VENT (1/8" NPT)	1
TITLE SWING REDUCER ASSEMBLY				
PLATE NO.	F02.01	SIMON AERIALS INC.		PART NO. 02-000400
REV. 25 AUG., 1994				



TITLE

SWING REDUCER ASSEMBLY

SIMON AERIALS INC.

REV. 25 AUG., 1994

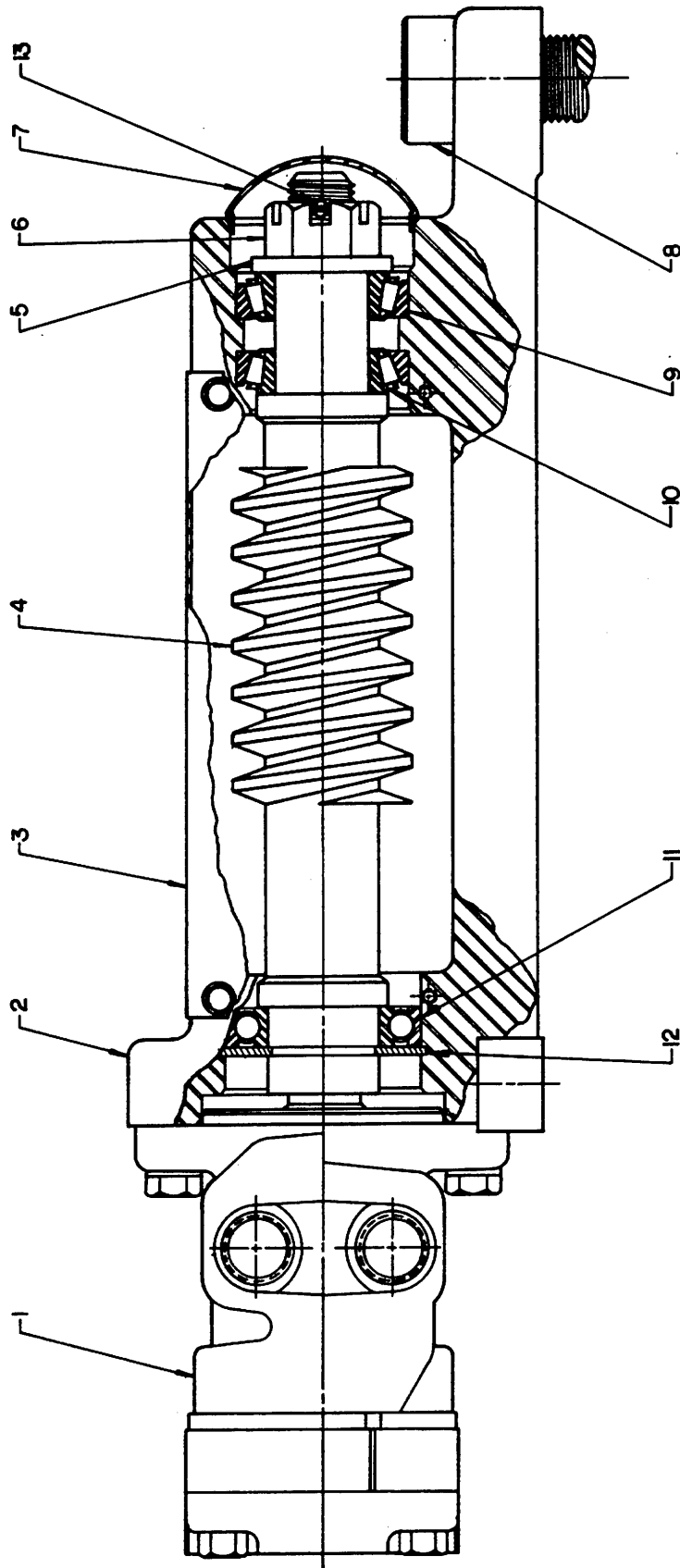
PART NO. 02-000400

PLATE NO. F02.01

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	SEE INDEX	D6	HYDRAULIC MOTOR (REF.)	1
2	SDW-206819-4		WORM GEAR HOUSING	1
3	SAD-207081-6		COVER	1
4	SCD-206777-9		WORM GEAR	1
5			FLATWASHER, 7/8 SAE	1
6	07-045023		HEX NUT, SLOTTED 7/8 UNC	1
7	02-007900		GREASE CAP	1
8	07-019005		SHOULDER SCREW	1
9	08-011300		BEARING CUP	2
10	08-008200		BEARING CONE	2
11	08-013100		BALL BEARING	1
12	08-048300		RETAINING RING	1
13	07-070511		COTTER KEY, 1/8 DIA.X2½ LG.	1
DESCRIPTION			PART NO.	
SWING DRIVE			CAA-206237-4	

72.3



0484/0484

DESCRIPTION

SWING DRIVE

PART NO.

CAA-206237-4

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gemco Hose Track:									
F 3.1	08-000600	EE	2-3/4"	3"	13-1/4"	6"	97		not current production
-----	08-000601	EE	2-3/4"	3"	13-1/4"	6"	---		3' section of style "EE"
F 3.2	08-001000	CC	2-3/4"	3"	13-1/4"	6"	93		not current production
F 3.3	08-001600	2A	1-3/4"	2-1/2"	13-1/4"	6"	65		not current production
-----	08-001615	2A	1-3/4"	2-1/2"	13-1/4"	6"	---		3' section of style "2A"
F 3.4	08-003600	2A	1-3/4"	2-1/2"	13-1/4"	6"	77		not current production
-----	08-003700	3CM	4"	6"	13-1/4"	6"	19		not current production
F 3.5	08-005000	EE	2-3/4"	3"	13-1/4"	6"	93		not current production
F 3.6	08-010400	EE	2-3/4"	3"	13-1/4"	6"	63		not current production
Gleason Type 25, 35, 45 Hose Track:									
F 3.25	08-000400	25	1-3/4"	2-1/2"	13"	6"	76		
F 3.26	08-000700	25	1-3/4"	2-1/2"	13"	4"	44	MP 40 Elec.Prop. MP 40 Hydraport	
-----	08-000701	25	1-3/4"	2-1/2"	13"	4"	---		3' section of style "25" (when dim. "C" = 13" and dim. "D" = 4")
F 3.27	08-000900	25	1-3/4"	2-1/2"	13"	6"	14		
F 3.28	08-008900	45	3-3/4"	5"	16"	6"	65		
F 3.29	08-009100	25	1-3/4"	2-1/2"	13"	4"	66		
F 3.30	08-009500	45	3-3/4"	5"	16"	6"	48		
F 3.31	08-009800	45	3-3/4"	5"	16"	6"	53		
F 3.32	08-011800	25	1-3/4"	2-1/2"	8-5/8"	4"	29		
-----	08-011801	25	1-3/4"	2-1/2"	8-5/8"	4"	---		3' section of style "25" (with dim. "C" = 8-5/8" and dim. "D" = 4")
Gleason Type 25, 35, 45, continued on next sheet									

TITLE

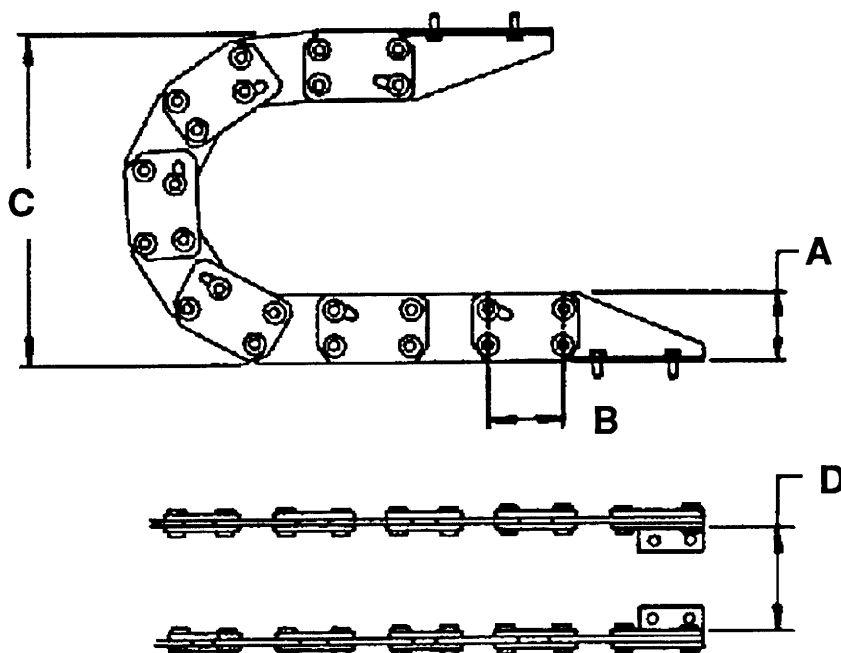
HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

PLATE NO. F03 ALL

SIMON AERIALS INC.

REV. 27 APR., 1993

PART NO.



GEMCO

for Gleason Type 25, 35, 45, see next sheet

TYPE	LINK CONSTRUCTION		TYPE	LINK CONSTRUCTION	
1A		Not used	FF		Not used
2A			GG		Not used
BB		Not used	2CM		Not used
CC			3CM		
EE					

NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE

HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 27 APR., 1993

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25, 35, 45 Hose Track (continued):									
F 3.33	08-011900	45	3-3/4"	5"	16"	6"	43	MPH 60 Full Hyd. MPH 60 Hydraport	not current production not current production
-----	08-011901	45	3-3/4"	5"	16"	6"	---		3' section of style "45" (when dim. "C" = 16")
F 3.34	08-012400	45	3-3/4"	5"	16"	6"	63	MP 70 Full Hyd. MP 70 Hydraport MP 80 All MPH 80 Full Hyd. MP 95 All MP 110 All	not current production not current production not current production not current production not current production
F 3.35	08-013000	25	1-3/4"	2-1/2"	8-5/8"	4"	44		
F 3.36	08-013400	25	1-3/4"	2-1/2"	8-5/8"	4"	69		
F 3.37	08-013500	25	1-3/4"	2-1/2"	8-5/8"	4"	39		
F 3.38	08-014900	25	1-3/4"	2-1/2"	8-5/8"	4"	81		
F 3.39	08-015100	45	3-3/4"	5"	16"	6"	45		
F 3.40	08-056000	35	2-5/8"	3-3/4"	26"	6"	96		
-----	08-056001	35	2-5/8"	3-3/4"	26"	6"	---		3' section of style "35" (when dim. "C" = 26")
F 3.41	08-056100	45	3-3/4"	5"	27"	6"	39	MP 110 All	
-----	08-056101	45	3-3/4"	5"	27"	6"	---		3' section of style "45" (when dim. "C" = 27")
A and A "Gortite" Hose Track:									
-----	08-056200		2"	2-1/2"	9-7/8"	4"	83		not current production
-----	08-056201		2"	2-1/2"	9-7/8"	4"	15		3' section, style "A+A"
Gleason Type 25, 35, 45 Hose Track (continued):									
F 3.42	08-056700	35	2-5/8"	3-3/4"	15"	6"	55		
F 3.43	08-058300	35	2-5/8"	3-3/4"	15"	6"	29	MP 40 Full Hyd. Trailblazer 40	not current production current production
-----	08-058301	35	2-5/8"	3-3/4"	15"	6"	---		3' section of style "35" (when dim. "C" = 15")
F 3.44	08-058400	35	2-5/8"	3-3/4"	15"	6"	56	MP 60 Full Hyd.	not current production
F 3.45	08-060200	25	1-3/4"	2-1/2"	13"	6"	81	MP 60, MPN 60, and MP 60 Z Electro-Prop. or Hydraport	
-----	08-060201	25	1-3/4"	2-1/2"	13"	6"	---		3' section of style "25" (when dim. "C" = 13" and dim. "D" = 6")
F 3.46	08-062100	35	2-5/8"	3-3/4"	15"	6"	58		
-----	08-063500	35	2-5/8"	3-3/4"	15"	6"	19		
-----	08-069100	35	2-5/8"	3-3/4"	15"	6"	33		
-----	08-070200							MPN 40 Full Hyd. (with 3 Pc. Boom)	not current production
for Gleason Type 35E, 45E, see next sheet									

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

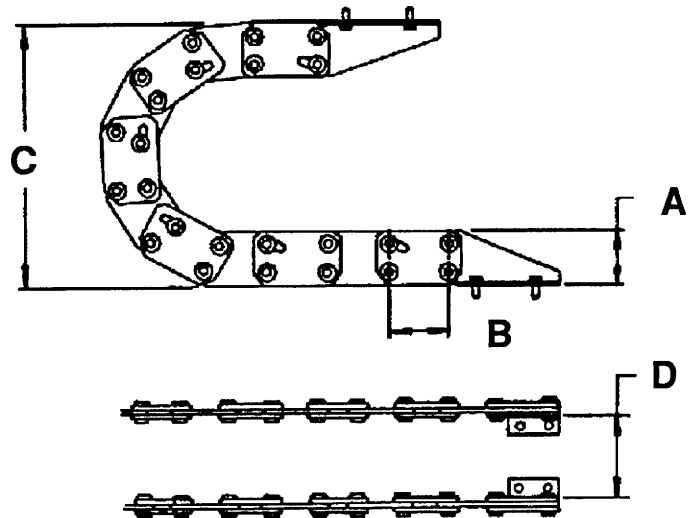
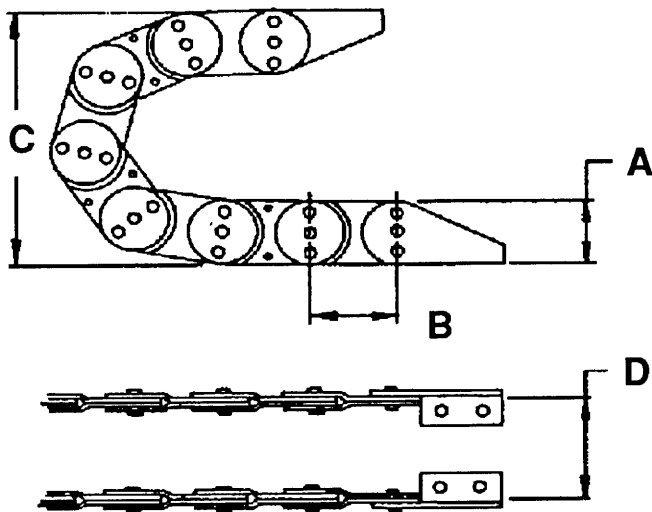
PLATE NO.

F03 ALL

SIMON AERIALS INC.

REV. 27 APR., 1993

PART NO.



for Gleason Type 35E, 45E, see next sheet

GLEASON

A AND A

TYPE	LINK CONSTRUCTION	TYPE	LINK CONSTRUCTION
25			
35			
45			

NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 27 APR., 1993

PART
NO.

PLATE
NO. F03 ALL

PARTS LIST

Section Number	Part Number	Track Style	Ref. Dimension				No. of Links	Model Usage (ref. only)	Notes
			"A"	"B"	"C"	"D"			
Gleason Type 25E, 35E, 45E Hose Track:									
-----	08-072600	35E	2-3/4"	3-3/4"	13-1/8"	6"	29	MP 40 Full Hyd. Trailblazer 40	
-----	08-072602	35E	2-3/4"	3-3/4"	13-1/8"	6"	---		3' section, style 35E
-----	08-072700	35E	2-3/4"	3-3/4"	13-1/8"	6"	55	MP 60, MPN 60, and MP 60 Z Full Hydraulic for Field Service	Pushnut (single type)
-----	08-072701	35E	---	---	-----	---	---		
-----	08-072800	45E	3-3/4"	5"	15-1/8"	6"	61	MP 80 All for Field Service	Pushnut (single type)
-----	08-072801	45E	---	---	-----	---	---		
-----	08-072802	45E	3-3/4"	5"	15-1/8"	6"	---		3' section, style 45E
-----	08-072900	35E	2-3/4"	3-3/4"	13-1/8"	6"	58	Trailblazer 60	Mounting one end
-----	08-073000	35E	2-3/4"	3-3/4"	13-1/8"	6"	32	MPH 42 Full Hyd.	
-----	08-073100	35E	2-3/4"	3-3/4"	13-1/8"	6"	35	MPN 40 Full Hyd. (with 3 Pc. Boom)	
-----	08-073200	35E	2-3/4"	3-3/4"	13-1/8"	6"	39	MP 50 Full Hyd.	
-----	08-073300	45E	3-3/4"	5"	15-1/8"	6"	45	MPH 60 Full Hyd.	All without Keel Boom
-----	08-073400	45E	3-3/4"	5"	15-1/8"	6"	54	MP 70 Hydraport MP 70 Full Hyd.	
-----	08-073500	45E	3-3/4"	5"	15-1/8"	6"	59	MP 70 Hydraport MPH 80 Full Hyd.	
-----	08-073600	45E	3-3/4"	5"	15-1/8"	6"	64	MPH 80 Hydraport MP 110 (Inner)	
-----	08-073700	45E	3-3/4"	5"	15-1/8"	6"	69	MP 95 All	
-----	08-076700	25E	1-3/4"	2-1/2"	13-1/8"	4"	44	MP 40 Hydraport or Electro-Prop.	
-----	08-076800	25E	1-3/4"	2-1/2"	13-1/8"	4"	54	MP 50 Hydraport or Electro-Prop.	Pushnut (single type)
-----	08-076900	25E	1-3/4"	2-1/2"	13-1/8"	4"	81	MP 60, MPN 60, and MP 60 Z Hydraport or Electro-Prop.	
-----	Call Simon	25E	---	---	-----	---	---	for Field Service	
-----	Call Simon	25E	1-3/4"	2-1/2"	13-1/8"	4"	---		
-----	08-077000	45E	3-3/4"	5"	15-1/8"	6"	39	MP 110 (Outer)	All without Keel Boom
-----	08-077200	45E	3-3/4"	5"	26-1/8"	4"	39	MP 110 (Outer)	All with Keel Boom
-----	08-077300	45E	3-3/4"	5"	15-1/8"	4"	64	MP 110 (Inner)	All with Keel Boom

TITLE

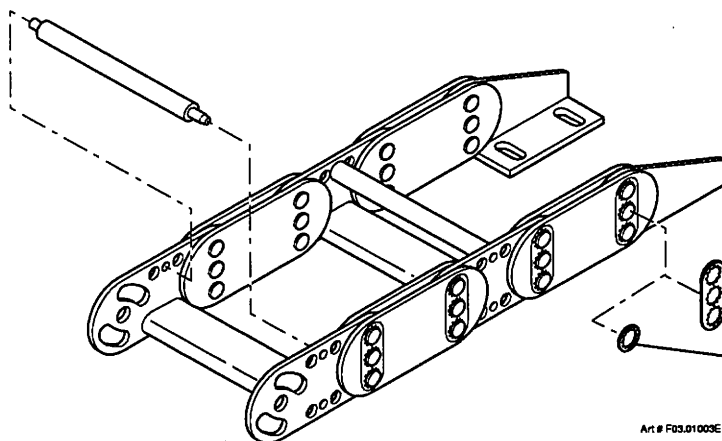
HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

PLATE NO. **F03 ALL**

SIMON AERIALS INC.

REV. 26 AUG., 1994
THIS SHEET ONLY

PART NO.

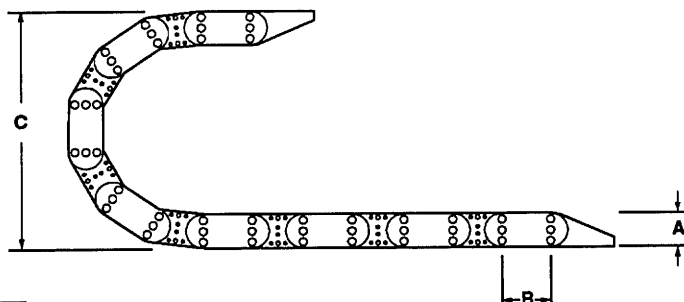


Triple Pushnut used for factory installation only.

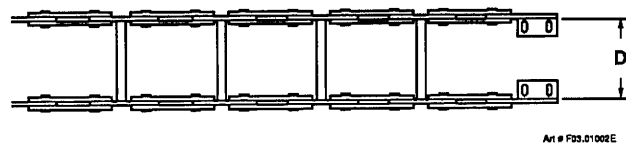
Single Pushnut is available for service. See chart.

Art # F03.01003E

GLEASON



TYPE	LINK CONSTRUCTION
35E	
45E	



Art # F03.01002E

NOTE:

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- (1) Determine the make, type and size of link construction.
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TITLE

HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 27 APR., 1993

PART
NO.

PLATE
NO.

F03 ALL