

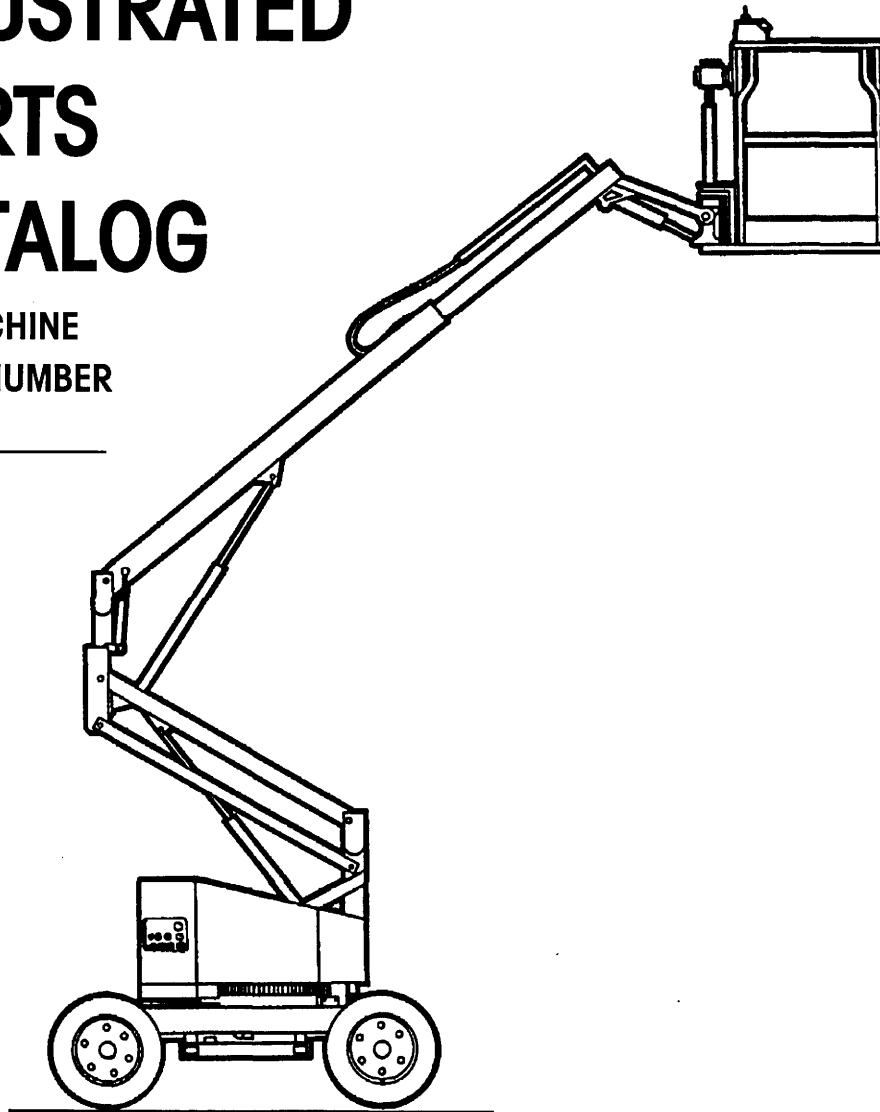
EAGLE

32/21 Fuel and Electric

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-411005 • Revision "0.1" dated Nov., 1994 •

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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 EAGLE 41/24 SELF-PROPELLED AERIAL WORK PLATFORMS equipped with certain modifications installed or supplied by GODFREY HOWDEN INC. 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 GODFREY HOWDEN-modified EAGLE 41/24 machines are included in this Catalog. Only items provided by SIMON AERIALS INC. are shown in this Catalog. Other items on these special machines may have been provided by GODFREY HOWDEN INC. or other suppliers. Please contact those suppliers for these parts.

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

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

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

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

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

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

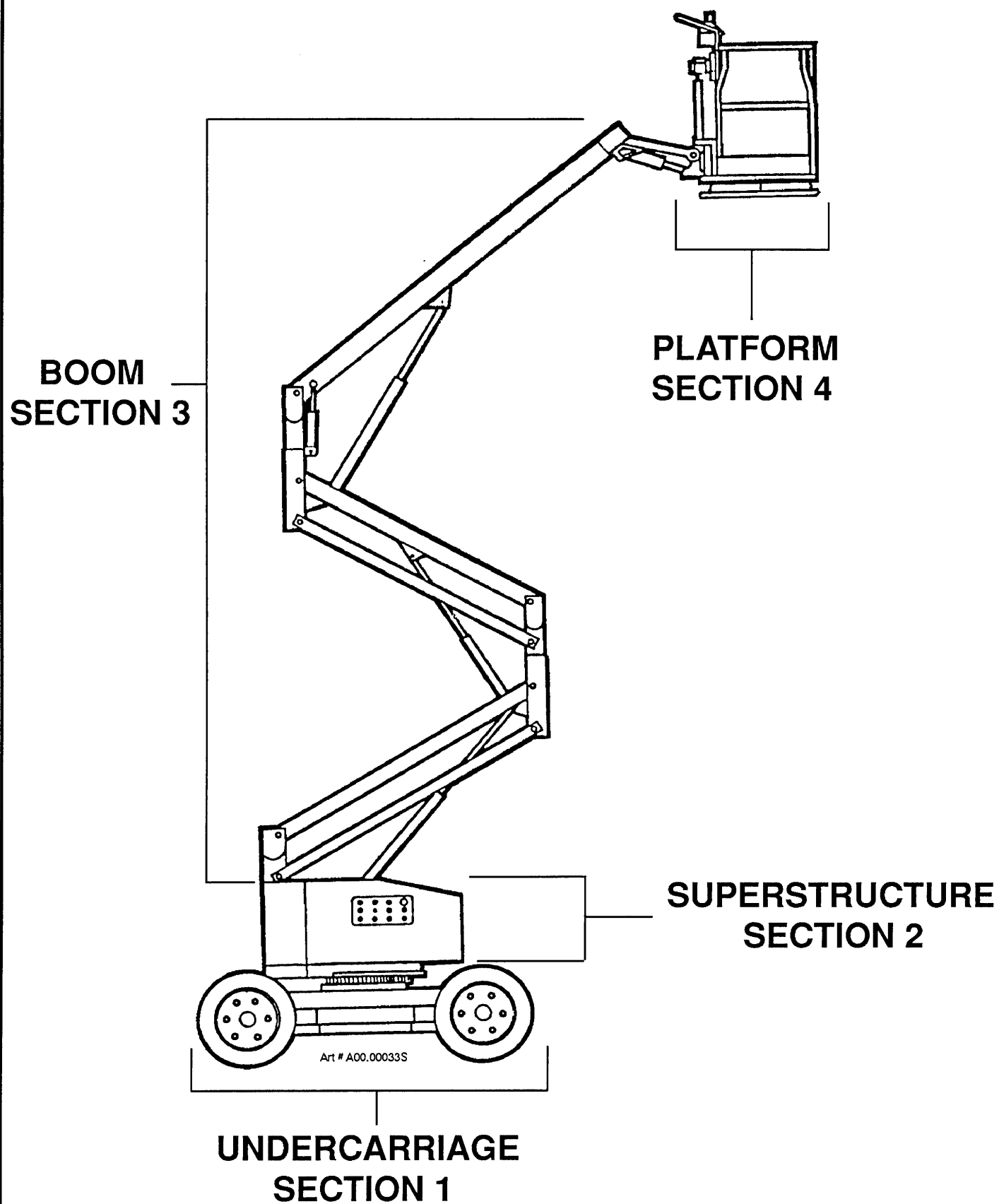
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

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

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



TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART
NO.PLATE
NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-016500		SPINDLE ASSEMBLY (Right hand)	1
2	02-016600		SPINDLE ASSEMBLY (Left hand)	1
3	10-080700		PIN, SPINDLE (King pin)	2
4	No Part #		RING, SPINDLE PIN RETAINING	4
5	08-065400		BUSHING, SPINDLE (40 mm x 44 mm)	4
6	10-085000		CAP, FRONT HUB (option with 10-085100)	2
	10-085100		CAP, FRONT HUB (option with 10-085000)	2
7	04-026800		CYLINDER, STEER	1
8	04-026801		SEAL KIT, STEER CYLINDER	1
9	04-026802		"O"-RING, STEER CYLINDER (modified, with backup ring)	1
10	10-080500		PIN, STEER CYLINDER (Case end)	1
11	10-080600		PIN, STEER CYLINDER (Rod end)	1
12	No Part #		RING, STEER CYLINDER PIN RETAINING	4
13	10-080300		TIE ROD	1
14	10-080400		PIN, TIE ROD	2
15	No Part #		RING, TIE ROD PIN RETAINING	4
16			TIRE AND WHEEL ASSEMBLY	
	3510089		Air filled	4
	3510096		Liquid filled	4
	3510104		Foam filled	4
17	02-010800		WHEEL ASSEMBLY	1
18	02-010700		TIRE (7.00-15 LT, 8 Ply)	1
19	02-016800		AXLE ASSEMBLY, REAR	1
20	10-087300		COVER, REAR AXLE DIFFERENTIAL	1
21	10-080800		HUB, DRIVE WHEEL (Wheel adapter)	2
22	08-058700		SWING BEARING	1
23	02-016700	28.05	SWING REDUCER (Gear box)	1
24	01-067400		SWING MOTOR	1
25	03-407800		SWITCH, LIMIT	2
26	03-407803		LEVER, LIMIT SWITCH (Roller type)	2
27	03-408000		MOTOR, DRIVE (Electric, 48 Volt DC)	1
28	02-016900		COUPLING, DRIVE MOTOR	1
29	02-017000		GEAR REDUCER (Transfer case)	1
30	02-012000		BRAKE, DRIVE LINE (Electromagnetic)	1
31	02-014000		SEAL, BRAKE	1
32	02-015600		DRIVE SHAFT	1
33	02-015601		JOINT, UNIVERSAL	2
34	03-408200		BATTERY CHARGER (48 Volt DC)	1
35	03-406700		SCR CONTROLLER	1
36	10-087200		COVER, SCR CONTROLLER	1
37	10-085800		DECAL, "Disconnect battery before removing cover"	1

TITLE UNDERCARRIAGE ASSEMBLY, EAGLE 32/21 (ELECTRIC)

PLATE NO. 01.01 **SIMON AERIALS INC.**

REV. 25 AUG., 1993

PART NO.

PARTS LIST

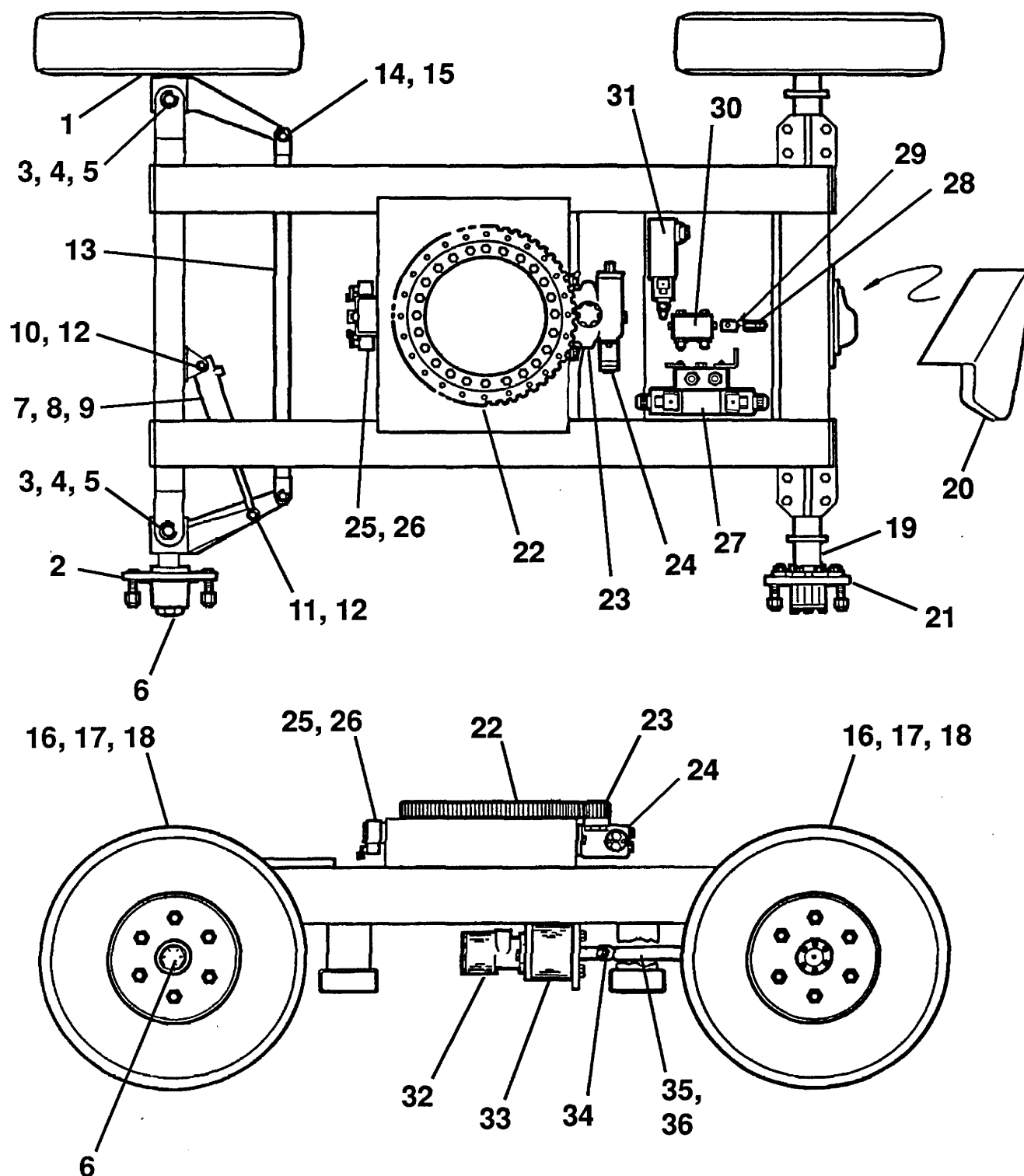
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-016500		SPINDLE ASSEMBLY (Right hand)	1
2	02-016600		SPINDLE ASSEMBLY (Left hand)	1
3	10-080700		PIN, SPINDLE (King pin)	2
4	No Part #		RING, SPINDLE PIN RETAINING	4
5	08-065400		BUSHING, SPINDLE (40 mm x 44 mm)	4
6	10-085000		CAP, FRONT HUB (option with 10-085100)	2
	10-085100		CAP, FRONT HUB (option with 10-085000)	2
7	04-026800		CYLINDER, STEER	1
8	04-026801		SEAL KIT, STEER CYLINDER	1
9	04-026802		"O"-RING, STEER CYLINDER (modified, with backup ring)	1
10	10-080500		PIN, STEER CYLINDER (Case end)	1
11	10-080600		PIN, STEER CYLINDER (Rod end)	1
12	No Part #		RING, STEER CYLINDER PIN RETAINING	4
13	10-080300		TIE ROD	1
14	10-080400		PIN, TIE ROD	2
15	No Part #		RING, TIE ROD PIN RETAINING	4
16			TIRE AND WHEEL ASSEMBLY	
	3510089		Air filled	4
	3510096		Liquid filled	4
	3510104		Foam filled	4
17	02-010800		WHEEL ASSEMBLY	1
18	02-010700		TIRE (7.00-15 LT, 8 Ply)	1
19	02-016800		AXLE ASSEMBLY, REAR	1
20	10-087300		COVER, REAR AXLE DIFFERENTIAL	1
21	10-080800		HUB, DRIVE WHEEL (Wheel adapter)	2
22	08-058700		SWING BEARING	1
23	02-016700	28.05	SWING REDUCER (Gear box)	1
24	01-067400		SWING MOTOR	1
25	03-407800		SWITCH, LIMIT	2
26	03-407803		LEVER, LIMIT SWITCH (Roller type)	2
27	01-069300		VALVE, SOLENOID (4-way)	1
28	01-018900		VALVE, NEEDLE (#6 SAE ports)	1
29	01-013800		VALVE, SHUTTLE	1
30	01-070100		VALVE, MOTION CONTROL	1
31	01-071700		VALVE, FLOW CONTROL	1
32	01-074400		MOTOR, HYDRAULIC DRIVE	1
33	02-017100		GEAR REDUCER, DRIVE (with brake) (before 1/25/88)	1
	02-023100		BRAKE (after 1/25/88)	1
34	10-169600		COUPLING, DRIVE SHAFT	1
35	02-015600		DRIVE SHAFT	1
36	02-015601		JOINT, UNIVERSAL	2

TITLE UNDERCARRIAGE ASSEMBLY, EAGLE 32/21 (FUEL)

PLATE NO. 01.02 **SIMON AERIALS INC.**

REV. 25 AUG., 1993

PART NO.



TITLE UNDERCARRIAGE ASSEMBLY, EAGLE 32/21 (FUEL)

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART
NO.

PLATE
NO.

01.02

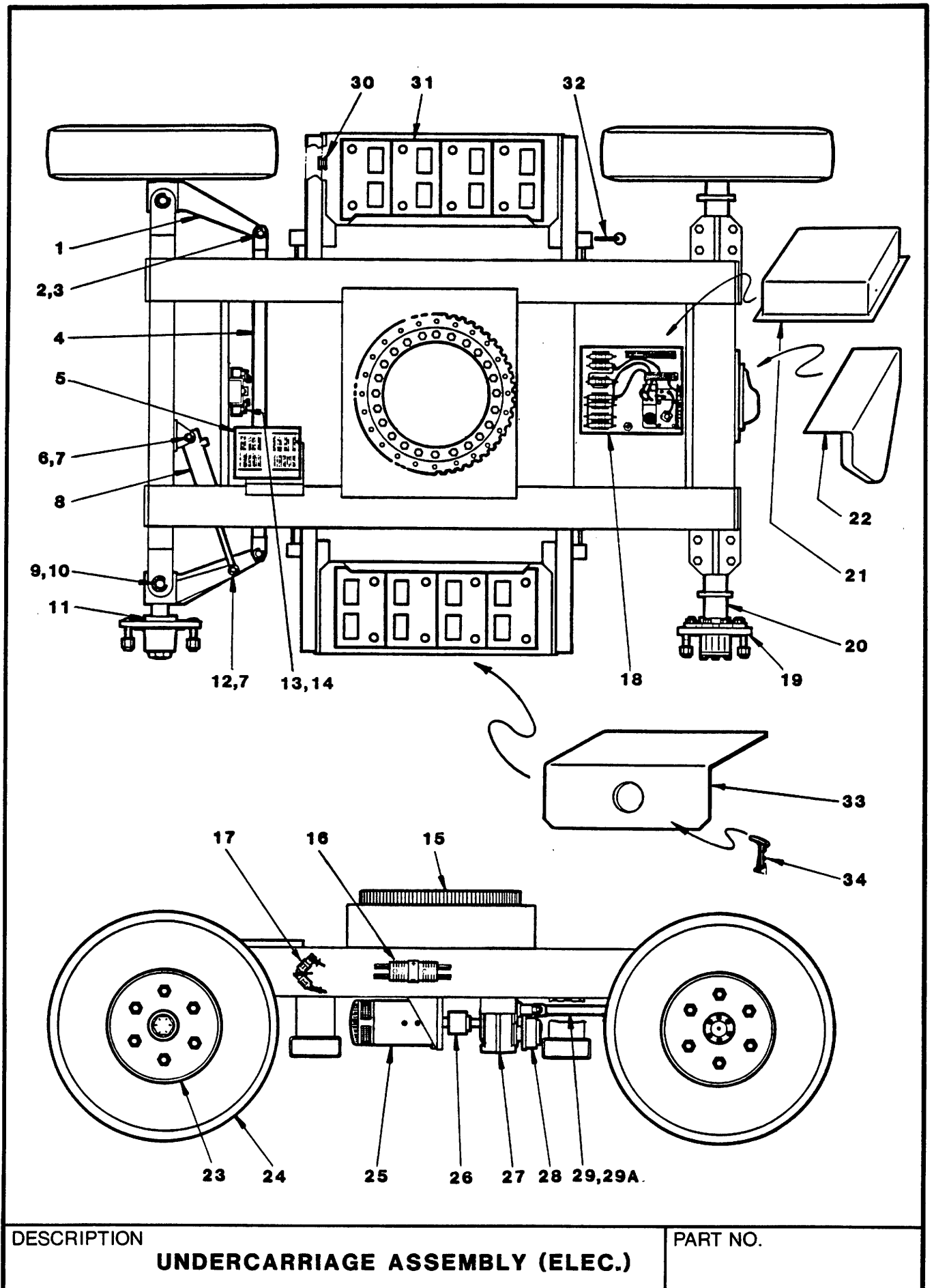
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	02-016500		R.H. SPINDLE ASSEMBLY	1
2	10-080400		PIN, TIE ROD	2
3			RETAINING RING	4
4	10-080300		TIE ROD	1
5	03-408200		BATTERY CHARGER	1
6	10-080500		PIN, STEER CYLINDER CASE END	1
7			RETAINING RING	4
8	04-026800		STEER CYLINDER	1
9	10-080700		KING PIN	2
10			RETAINING RING	4
11	02-016600		L.H. SPINDLE ASSEMBLY	1
12	10-080600		PIN, STEER CYLINDER ORD END	1
13	03-407800		LIMIT SWITCH	2
14	03-407803		ROLLER LEVER, LIMIT SWITCH	2
15	08-058700		SWING BEARING	1
16	03-406800		CABLE CONNECTOR	2
17	03-406900		FUSE, 300 AMP	2
18		10	S.C.R. CONTROLLER	1
19	10-080800		WHEEL ADAPTER	2
20	02-016800		DRIVE AXLE (DIFFERENTIAL)	1
21			COVER, S.C.R CONTROLLER	1
22			COVER, DIFFERENTIAL	1
23	02-010800		RIM	4
24	02-015500		TIRE, L78 X 15LT - 6 PLY	4
25	03-408000		ELECTRIC DRIVE MOTOR	1
26	02-016900		COUPLING, DRIVE MOTOR	1
27	02-017000		GEAR REDUCER (TRANSFER CASE)	1
28	02-012000		ELECTROMAGNETIC BRAKE	1
28A	02-014000		SEAL, BRAKE (NOT SHOWN)	1
29	02-015600		DRIVE SHAFT	1
29A	02-015601		UNIVERSAL JOINT	2
30	211488-0		ROLLER, BATTERY BOX	8
31	03-053700		BATTERY	8
32	07-090055		HITCH PIN, 9/16" DIA. X 3" LG.	4
33	SCD-211358-0		COVER, BATTERY BOX	2
34	10-033100		RUBBER DRAW LATCH	4

DESCRIPTION

UNDERCARRIAGE ASSEMBLY (ELEC.)

PART NO.



DESCRIPTION

UNDERCARRIAGE ASSEMBLY (ELEC.)

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	02-016500		SPINDLE ASSEMBLY (Right hand)	1
2	02-016600		SPINDLE ASSEMBLY (Left hand)	1
3	10-080700		PIN, SPINDLE (King pin)	2
4	No Part #		RING, SPINDLE PIN RETAINING	4
5	08-065400		BUSHING, SPINDLE (40 mm x 44 mm)	4
6	10-085000		CAP, FRONT HUB (option with 10-085100)	2
	10-085100		CAP, FRONT HUB (option with 10-085000)	2
7	04-026800		CYLINDER, STEER	1
8	04-026801		SEAL KIT, STEER CYLINDER	1
9	04-026802		"O"-RING, STEER CYLINDER (modified, with backup ring)	1
10	10-080500		PIN, STEER CYLINDER (Case end)	1
11	10-080600		PIN, STEER CYLINDER (Rod end)	1
12	No Part #		RING, STEER CYLINDER PIN RETAINING	4
13	10-080300		TIE ROD	1
14	10-080400		PIN, TIE ROD	2
15	No Part #		RING, TIE ROD PIN RETAINING	4
16			TIRE AND WHEEL ASSEMBLY	
	3510089		Air filled	4
	3510096		Liquid filled	4
	3510104		Foam filled	4
17	02-010800		WHEEL ASSEMBLY	1
18	02-010700		TIRE (7.00-15 LT, 8 Ply)	1
19	02-016800		AXLE ASSEMBLY, REAR	1
20	10-087300		COVER, REAR AXLE DIFFERENTIAL	1
21	10-080800		HUB, DRIVE WHEEL (Wheel adapter)	2
22	08-058700		SWING BEARING	1
23	02-016700	28.05	SWING REDUCER (Gear box)	1
24	01-067400		SWING MOTOR	1
25	03-407800		SWITCH, LIMIT	2
26	03-407803		LEVER, LIMIT SWITCH (Roller type)	2
27	01-069300		VALVE, SOLENOID (4-way)	1
28	01-073400		VALVE, SHUTTLE	1
29	01-018900		VALVE, NEEDLE (#6 SAE ports)	1
30	01-073500		VALVE, MOTION CONTROL	1
31	01-073300		SUBPLATE, VALVE	1
32	01-071700		VALVE, FLOW CONTROL (25 Gal/ min)	1
33	06-200100		FLANGE, ADAPTER	1
34	01-074400		MOTOR, HYDRAULIC DRIVE	1
35	02-017100		GEAR REDUCER, DRIVE (with brake)	1
36	10-169600		COUPLING, DRIVE SHAFT	1
37	02-015600		DRIVE SHAFT	1
38	02-015601		JOINT, UNIVERSAL	2

TITLE UNDERCARRIAGE ASSEMBLY, EAGLE 32/21 (FUEL)

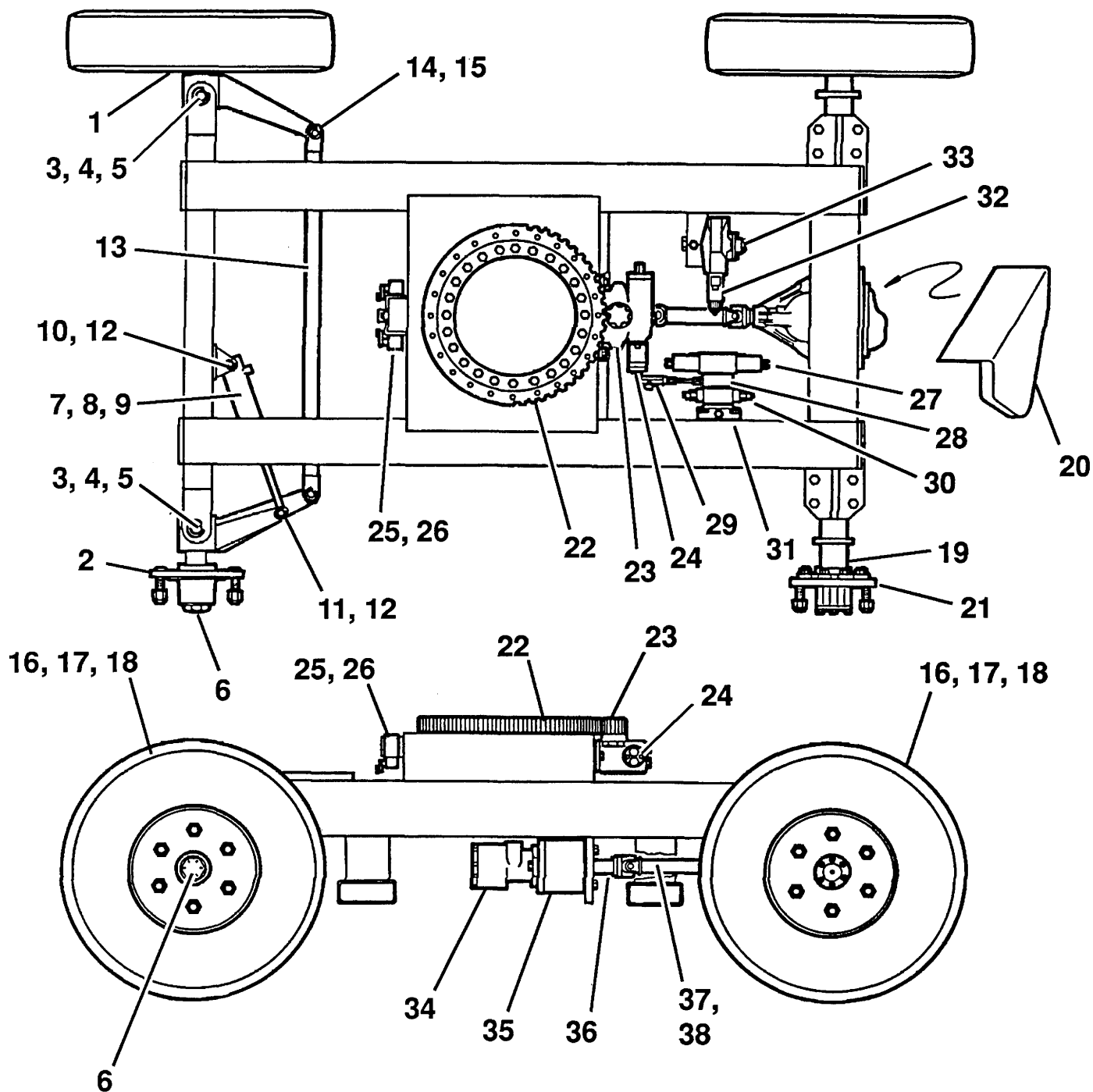
PLATE
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01.04

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART
NO.



TITLE

UNDERCARRIAGE ASSEMBLY, EAGLE 32/21 (FUEL)

SIMON AERIALS INC.

REV. 25 AUG., 1993

PART
NO.

PLATE
NO.

01.04

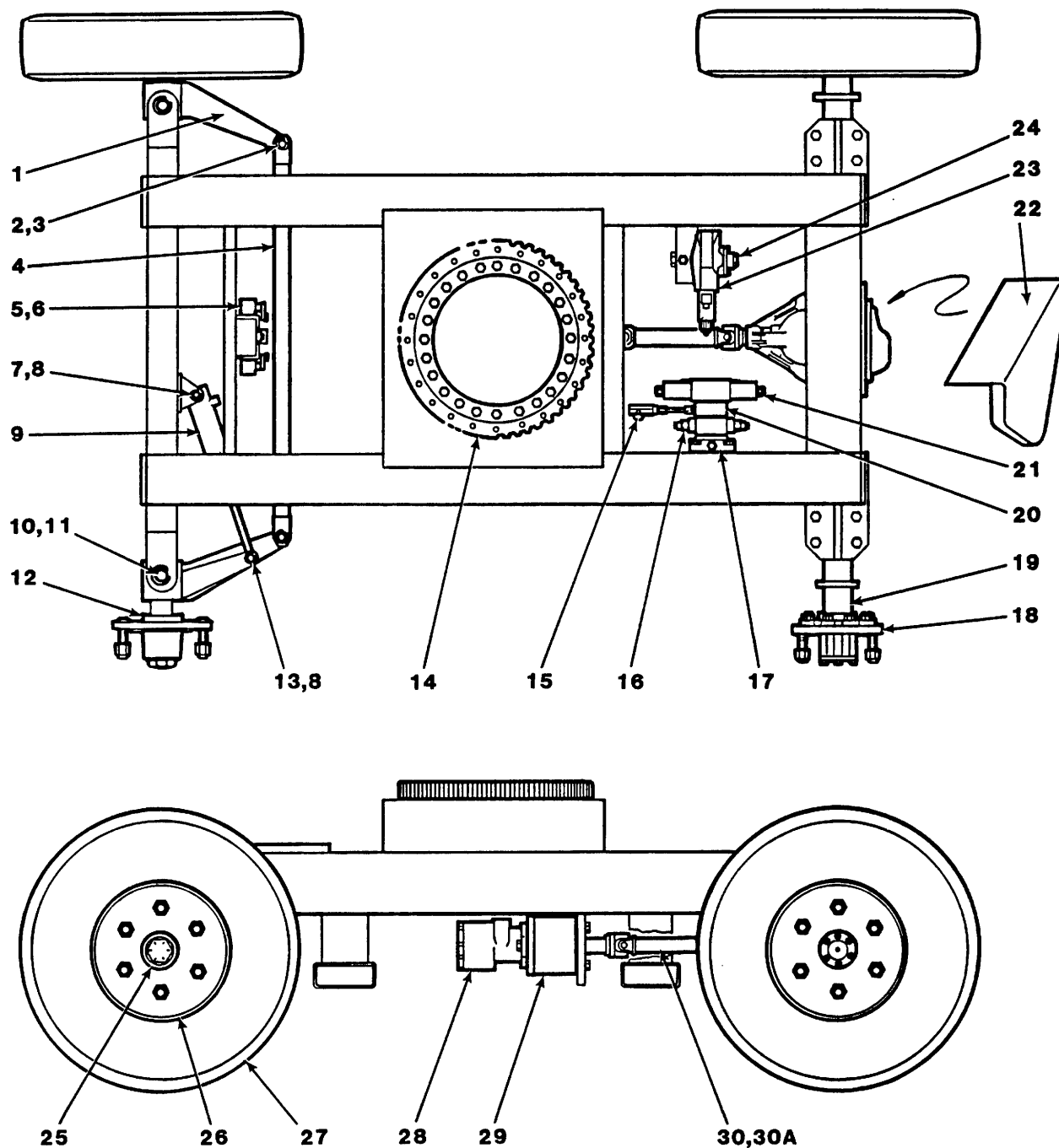
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	02-016500		R.H. SPINDLE ASSEMBLY	1
2	10-080400		PIN, TIE ROD	2
3			RETAINING RING	4
4	10-080300		TIE ROD	1
5	03-407800		LIMIT SWITCH	2
6	03-407803		ROLLER LEVER , LIMIT SWITCH	2
7	10-080500		PIN, STEER CYLINDER CASE END	1
8			RETAINING RING	4
9	04-026800		STEER CYLINDER	1
10	10-080700		KING PIN	2
11			RETAINING RING	4
12	02-016600		L.H. SPINDLE ASSEMBLY	1
13	10-080600		PIN, STEER CYLINDER ROD END	1
14	08-058700		SWING BEARING	1
15	01-018900		NEEDLE VALVE	1
16	01-073500		MOTION CONTROL VALVE	1
17	01-073300		VALVE SUBPLATE	1
18	10-080800		WHEEL ADAPTER	2
19	02-016800		DRIVE AXLE (DIFFERENTIAL)	1
20	01-073400		SHUTTLE VALVE	1
21	01-069300		SOLENOID VALVE, 4-WAY	1
22			COVER, DIFFERENTIAL	1
23	01-066701		FLOW CONTROL VALVE	1
24	06-200100		ADAPTER FLANGE	1
25	10-085000		HUB CAP	2
26	02-010800		RIM	4
27	02-015500		TIRE, L78 X 15LT - 6PLY	4
28	01-074400		DRIVE MOTOR, HYDRAULIC	1
29	02-017100		DRIVE BRAKE	1
30	02-015600		DRIVE SHAFT	1
30A	02-015601		UNIVERSAL JOINT	2

DESCRIPTION

UNDERCARRIAGE ASSEMBLY (GAS)

PART NO.



DESCRIPTION

UNDERCARRIAGE ASSEMBLY (GAS)

PART NO.

PARTS LIST

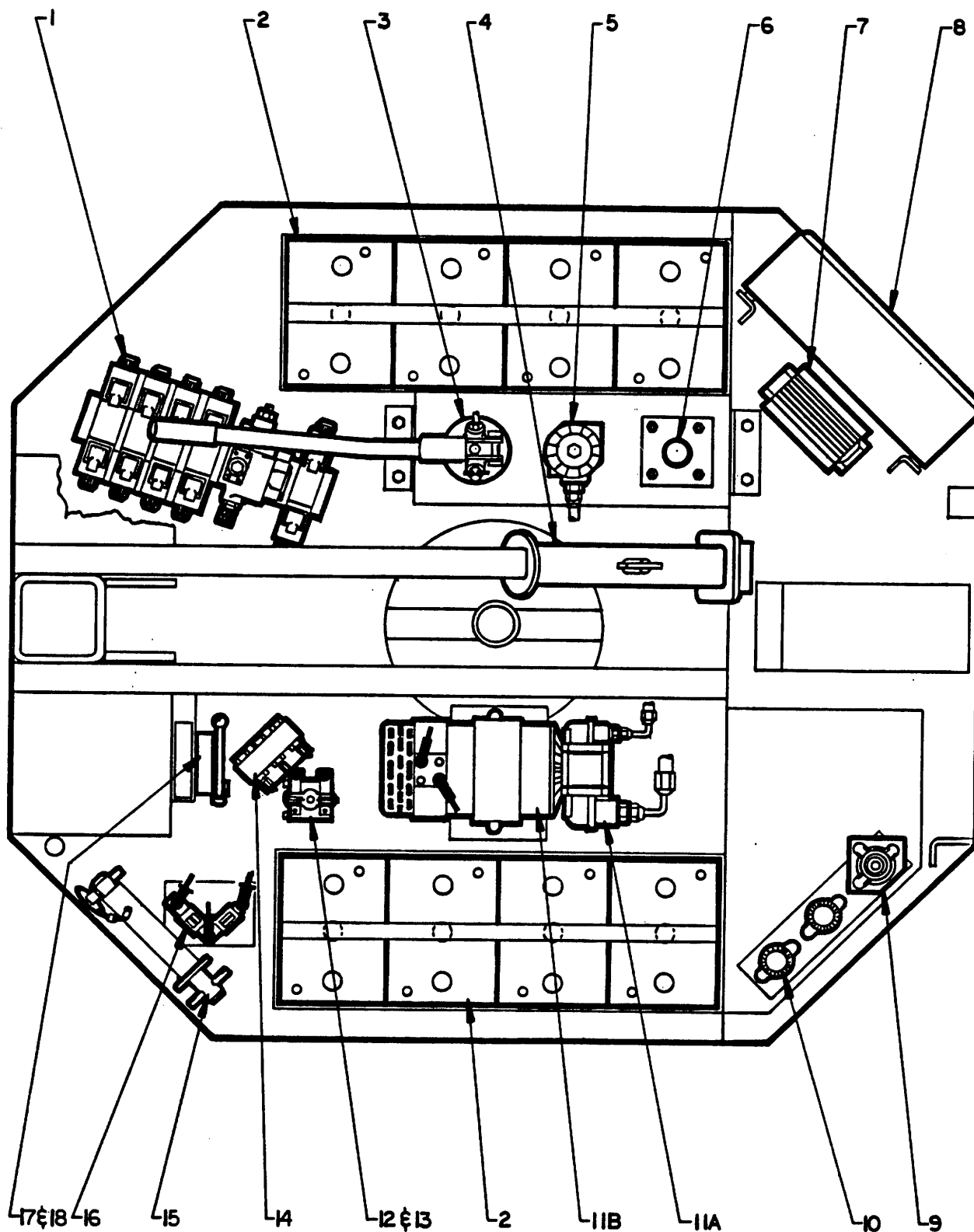
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TITLE SUPERSTRUCTURE ASSEMBLY, EAGLE 32/21 ELECTRIC

PLATE NO.	02.01	SIMON AERIALS INC.
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REV. 11 AUG., 1993
(TEXT PAGE ONLY)

**PART
NO.**



DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (ELEC.)

PART NO.

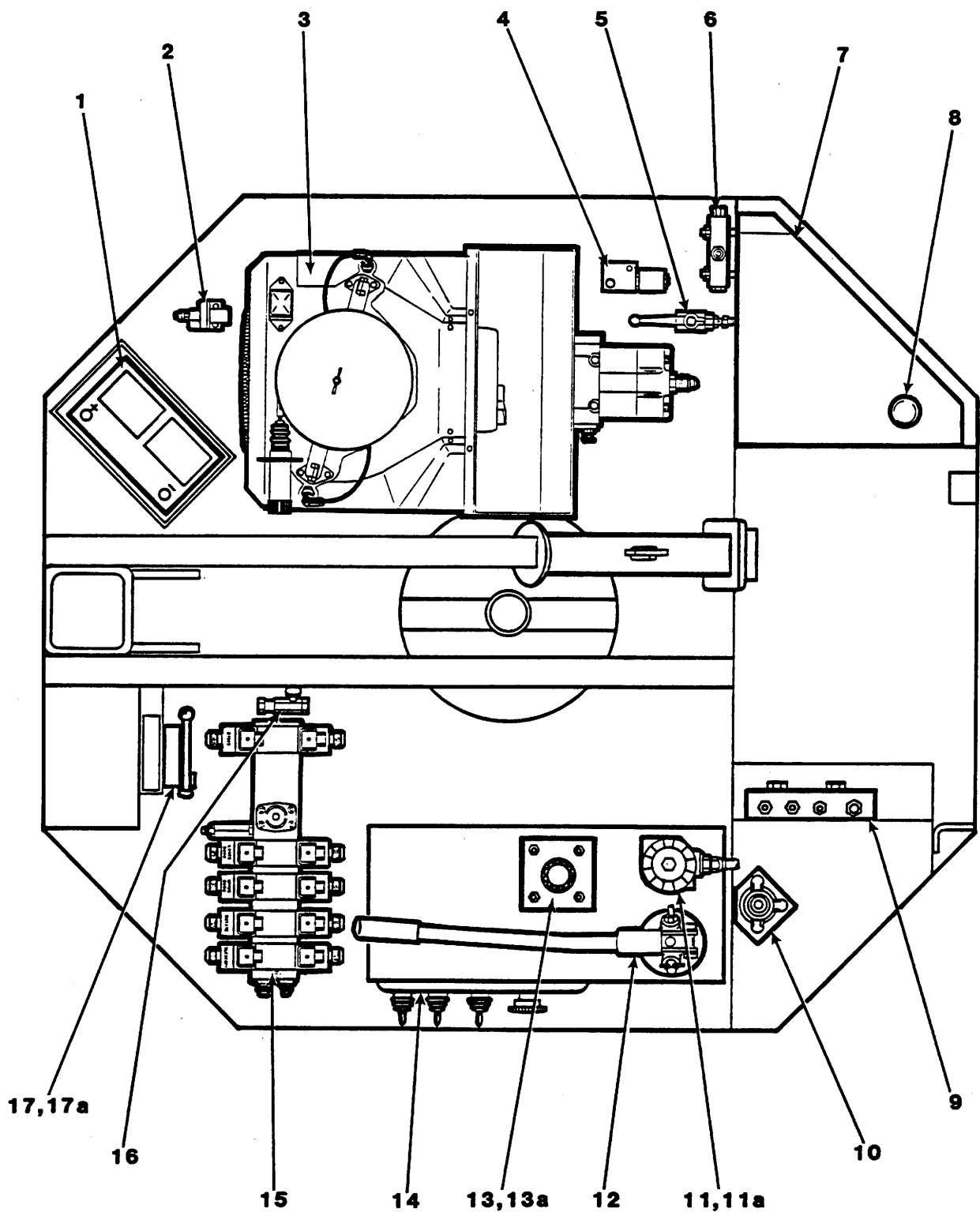
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-408400	8.1	BATTERY, 12V	1
2	03-421700		RELAY, STARTER	1
3			ENGINE ASSEMBLY	1
4	01-037100		SOLENOID VALVE, PUMP UNLOADING	1
5	01-032800		SHUTOFF VALVE	1
6	01-008900		RELIEF VALVE, MAIN	1
7	10-081100	7	FUEL TANK	1
8	10-080900		FUEL FILLER CAP	1
9	10-081000		MANIFOLD BLOCK	1
10	03-023900		TILT ALARM	1
11	01-074500		RETURN FILTER ASSEMBLY	1
11A	01-069100		FILTER ELEMENT	1
12	01-066100	6	EMERGENCY HAND PUMP	1
13	10-080200		HYDRAULIC OIL FILLER CAP	1
13A	10-080201		STRAINER	1
14			GROUND CONTROL BOX	1
15			VALVE BANK ASSEMBLY	1
16	01-012300		NEEDLE VALVE, PRESSURE COMPENSATED	1
17	03-407800		LIMIT SWITCH, HI SPEED DRIVE CUTOUT	1
17A	03-407802		LIMIT SWITCH ARM	1
18	10-080002		DOOR LATCH/LOCK (NOT SHOWN)	2

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (GAS)

PART NO.



DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (GAS)

PART NO.

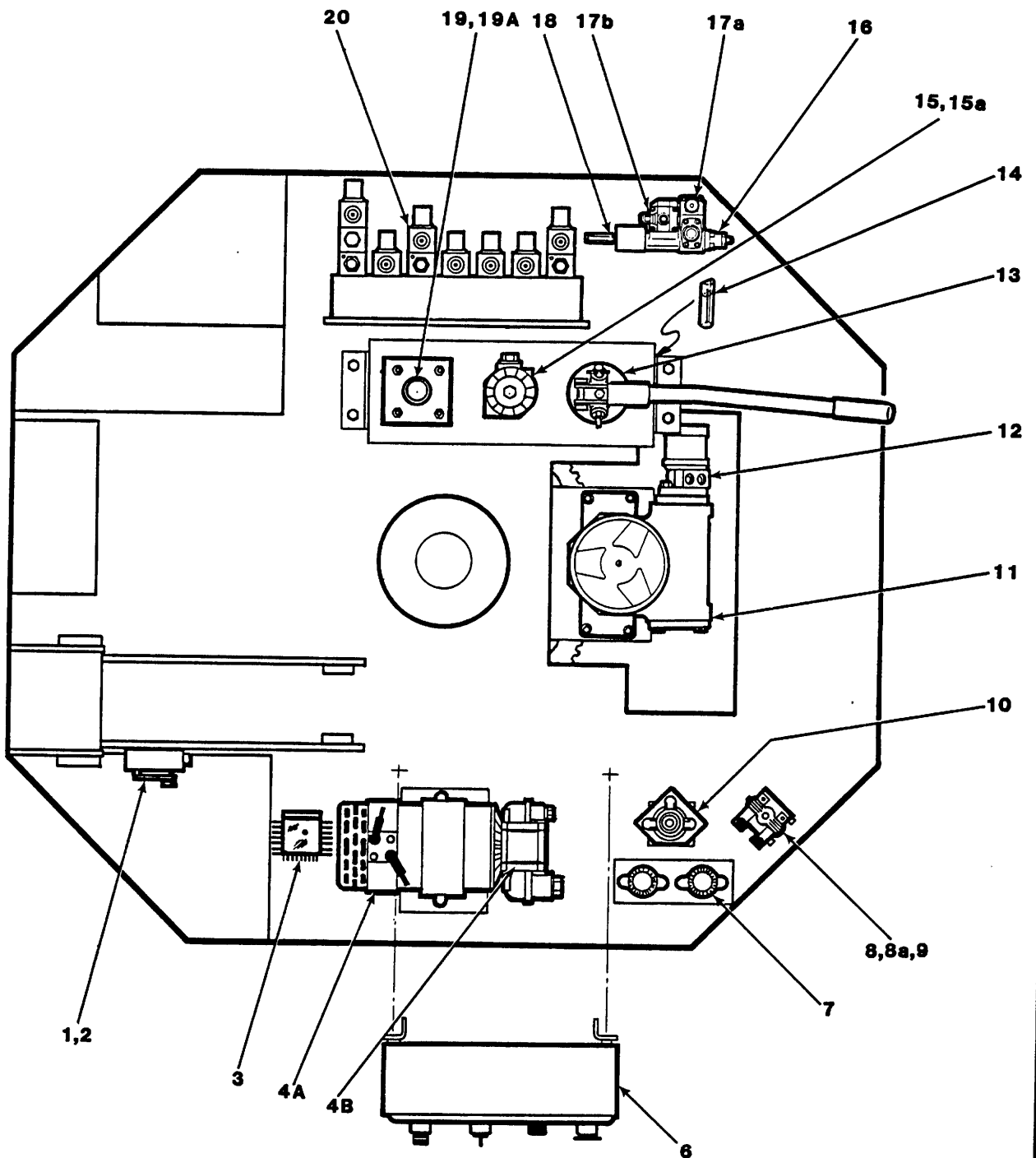
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-407800		LIMIT SWITCH, HI SPEED DRIVE CUT-OUT	1
2	03-407803		LEVER ARM, LIMIT SWITCH	1
3	03-407900		VOLTAGE DROPPER	1
4A	01-067201		PUMP MOTOR - 48VDC	1
4B	01-067202		PUMP	1
6		7	GROUND CONTROL BOX	1
7	03-407200		MOVEMENT/TILT ALARM HORN	2
8	03-407000		MOTOR CONTACTOR	1
8A	03-407001		CONTACTS, MOTOR CONTACTOR	2
9	03-407100		SUPPRESSOR	1
10	03-023900		TILT ALARM	1
11	02-017800		SWING REDUCER	1
12	01-076500		SWING MOTOR	1
13	01-066100		HAND PUMP	1
14	01-074100		SIGHT GAUGE	1
15	01-066200		RETURN FILTER ASSEMBLY	1
15A	01-066201		FILTER ELEMENT	1
16	06-200100		ADAPTER FLANGE	1
17A	01-066702		PORT COMPENSATOR	1
17B	01-066701		FLOW CONTROL VALVE	1
18	01-020800		CHECK VALVE	1
19	10-080200		FILLER CAP	1
19A	10-080201		STRAINER	1
20		6	VALVE BANK	1
21	10-080002		DOOR LATCH/LOCK (NOT SHOWN)	1

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (ELEC.)

PART NO.



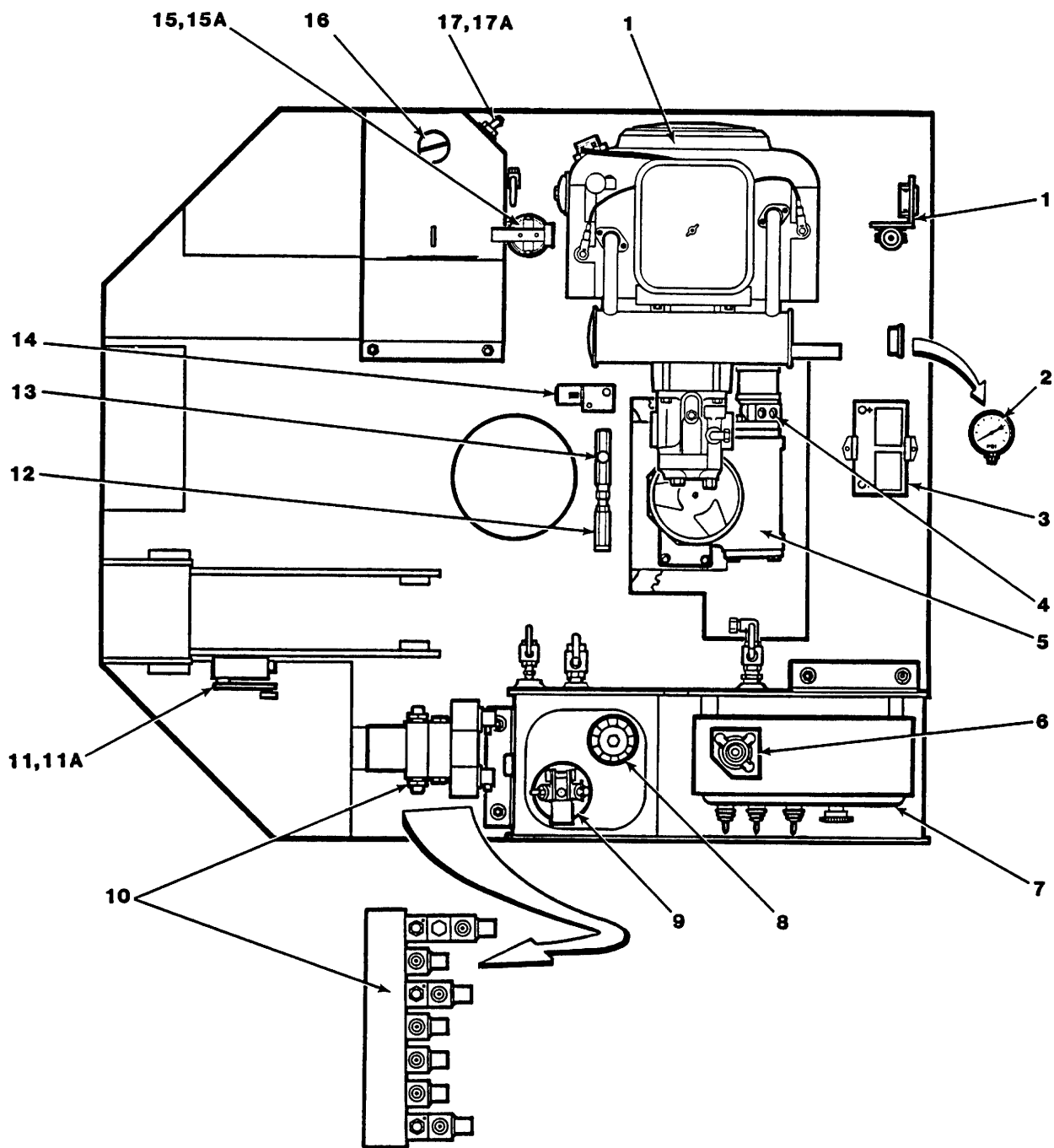
DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (ELEC.)

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-021000	8.2	ENGINE ASSEMBLY	1
2			PRESSURE GAUGE	1
3			BATTERY, 12V	1
4	01-076500		SWING MOTOR, HYDRAULIC	1
5	01-017800		SWING REDUCER	1
6	03-023900		TILT ALARM	1
7	10-080200	7	GROUND CONTROL BOX	1
8			HYDRAULIC OIL FILLER CAP	1
8A			STRAINER, FILLER CAP	1
9	01-066100	6.3	HAND PUMP	1
10	03-407800		VALVE BANK ASSEMBLY	1
11			LIMIT SWITCH, HI SPEED DRIVE	1
11A	03-407802		LEVER ARM, LIMIT SWITCH	1
12	01-020800		CHECK VALVE	1
13	01-012300		NEEDLE VALVE, PRESSURE COMPENSATED	1
14	01-037100		SOLENOID VALVE, PUMP UNLOADING	1
15	01-074900		RETURN LINE FILTER ASSEMBLY	1
15A	01-074901		FILTER ELEMENT	1
16	10-080900		FUEL FILLER CAP	1
17	05-010008		SIGHT GAUGE, FUEL	1
17A	05-010011		ELBOW, SIGHT GAUGE	1
DESCRIPTION			PART NO.	
SUPERSTRUCTURE ASSEMBLY (GAS)				



DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (GAS)

PART NO.

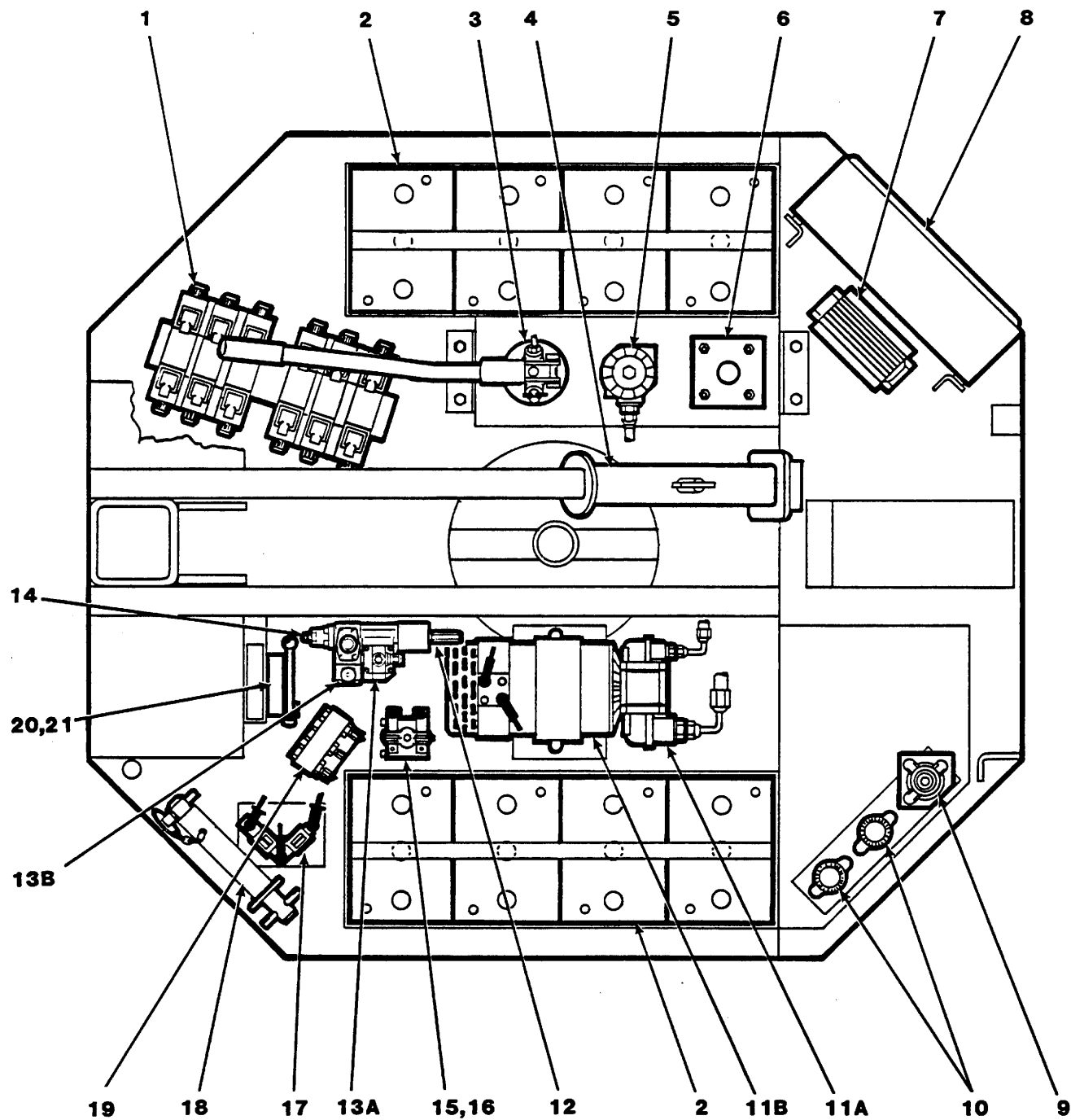
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1		6.4	VALVE BANK ASSEMBLY	1
2	03-053700		BATTERY	6
3	01-066100		HAND PUMP (EMERGENCY)	1
4		7.6	BRACE, LIFT CYLINDER SUPPORT	1
5	01-066200		RETURN FILTER ASSEMBLY	1
5A	01-066201		FILTER ELEMENT (NOT SHOWN)	1
6	10-080200		FILLER CAP (STRAINER #10-080201 NOT SHOWN)	1
7	03-407900		VOLTAGE DROPPER	1
8			GROUND CONTROL BOX	1
9	03-023900		TILT ALARM	1
10	03-407200		MOVEMENT/TILT ALARM HORN	2
11	01-067200		HYDRAULIC PUMP- COMPLETE	1
11A	01-067202		PUMP	1
11B	01-067201		PUMP MOTOR - 48 VDC	1
12	01-020800		CHECK VALVE	1
13A	01-066701		FLOW CONTROL VALVE	1
13B	01-066702		PORT COMPENSATOR	1
14	06-200100		ADAPTER FLANGE W/FITTING #05-000017	1
15	03-407000		MOTOR CONTACTOR	1
16	03-407100		SUPPRESSOR	1
17	03-406900		FUSE, 300 AMP	2
18	10-080100		ROTATE LOCK PIN	1
19	01-066300		RETURN MANIFOLD	1
20	03-407800		LIMIT SWITCH, HI SPEED DRIVE CUT-OUT	1
21	03-407802		LEVER ARM, LIMIT SWITCH	1

DESCRIPTION

SUPERSTRUCTURE ASSEMBLY (ELEC.)

PART NO.



DESCRIPTION

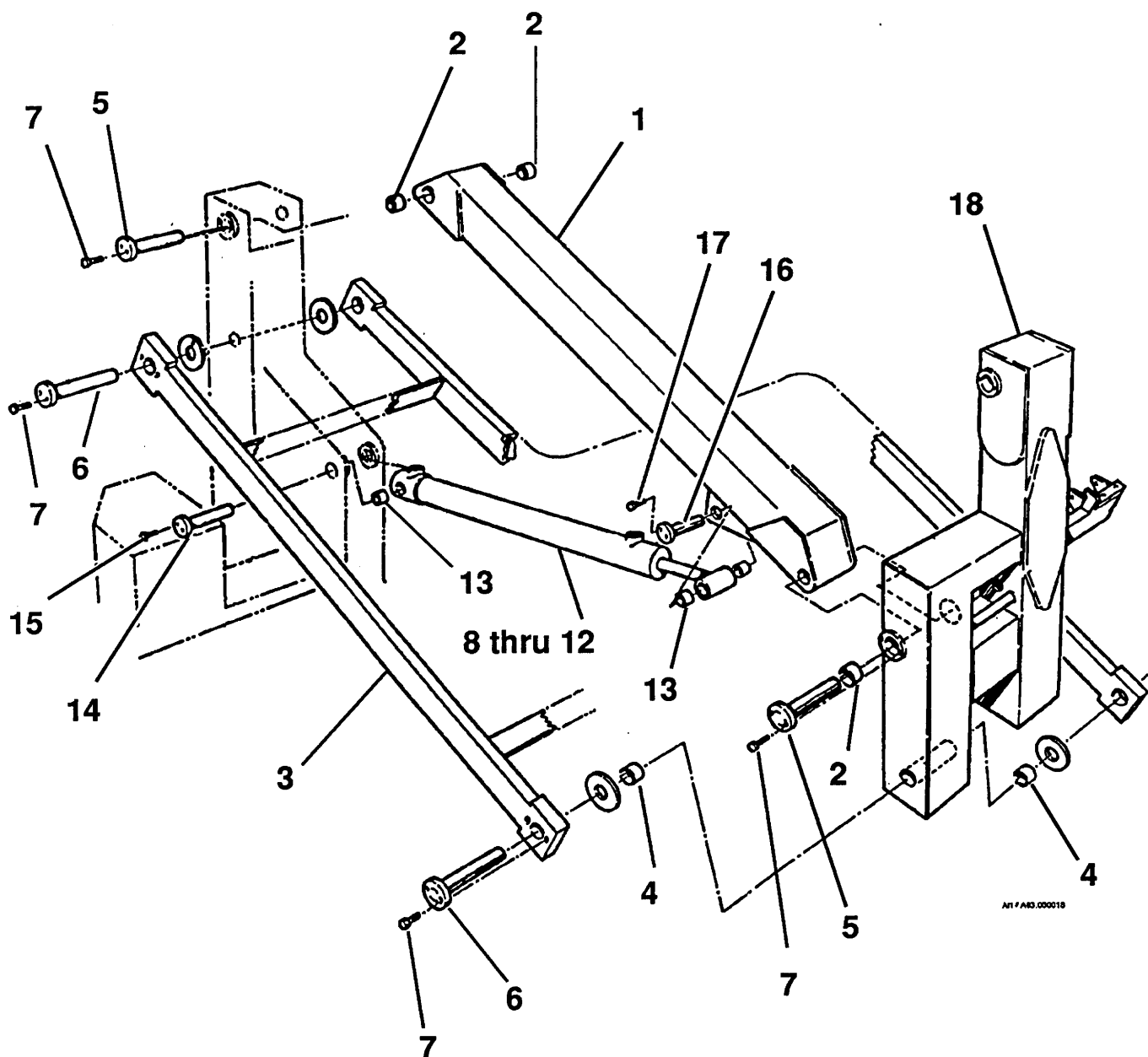
SUPERSTRUCTURE ASSEMBLY (ELEC.)

PART NO.

[illegible]

PLATE NO.	03.01	SIMON AERIALS INC.
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PART
NO.



TITLE BOOM ASSEMBLY, EAGLE 32/21 (LOWER BOOM, PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 31 AUG., 1993

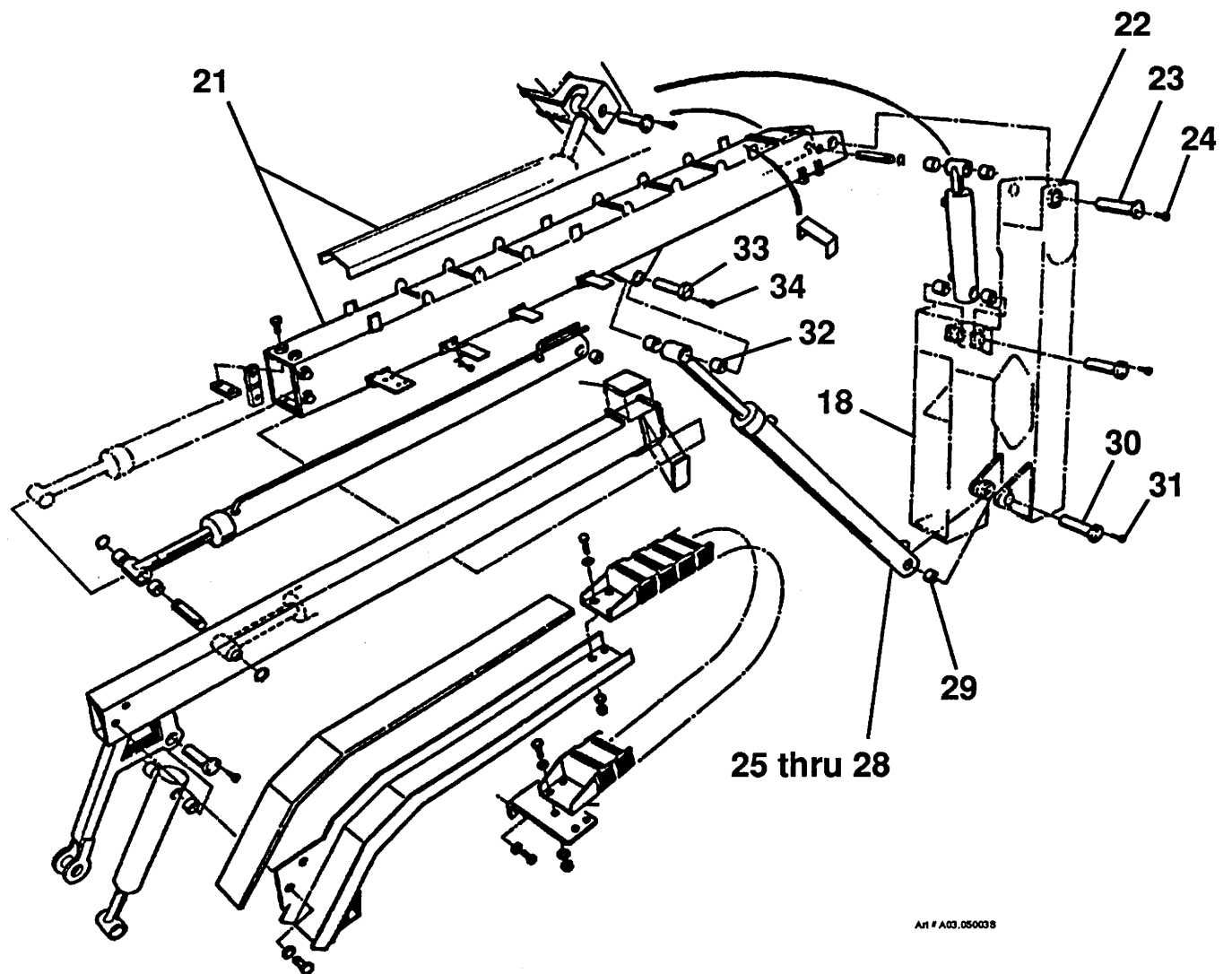
PART
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PLATE
NO.

03.01

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PLATE NO.	03.01	SIMON AERIALS INC.	REV. 31 AUG., 1993	PART NO.
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Alt # A03.050038

TITLE BOOM ASSEMBLY, EAGLE 32/21 (UPPER BOOM, PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 31 AUG., 1993

PART
NO.

PLATE
NO.

03.01

PARTS LIST

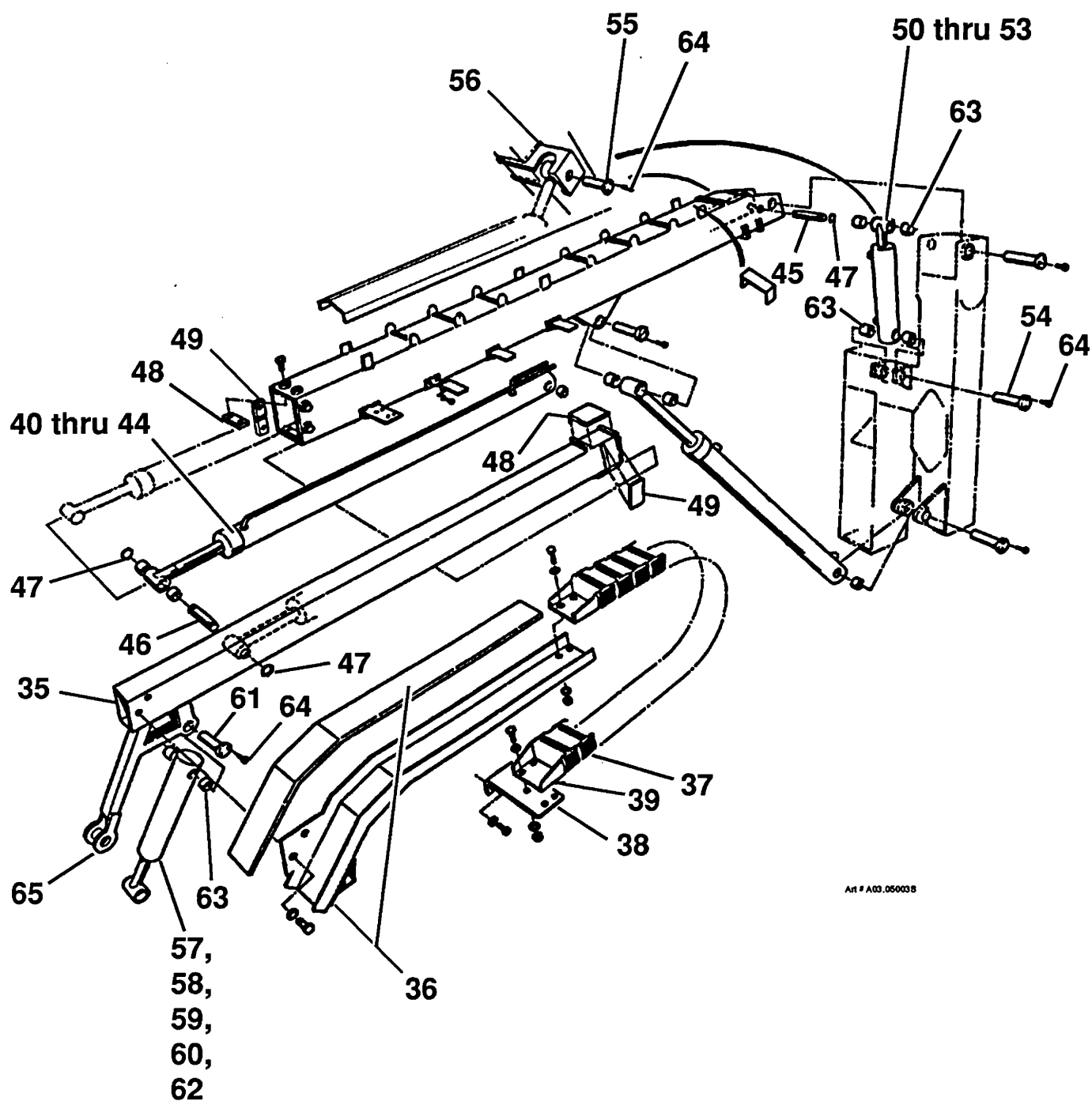
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
35	10-110300		BOOM WELDMENT, UPPER TIP	1
36	10-081800		ANCHOR WELDMENT, MOVING	1
37	08-059200		CARRIER, HOSE	1
38	21-15350		MOUNTING BRACKET, CATRAC	1
39	21-30040		BRACKET, CATRAC SUPPORT	1
40	04-027200		CYLINDER, TELESCOPE	1
41	04-027202		SEAL KIT, TELESCOPE CYLINDER	1
42	04-027203		SEAL, WIPER	1
43	04-027204		RING, BACKUP	1
44	04-027201		CARTRIDGE, TELESCOPE CYLINDER HOLDING VALVE	1
45	10-083900		PIN, TELESCOPE CYLINDER (Case end)	1
46	10-081700		PIN, TELESCOPE CYLINDER (Rod end)	1
47			RING, RETAINING	4
48	10-082000		PAD, UPPER AND LOWER WEAR	2
49	10-082100		PAD, SIDE WEAR (Slider pad)	2
50	04-027000		CYLINDER, MASTER LEVELING	1
51	04-026801		SEAL KIT, LEVELING CYLINDER	1
52	01-067601		VALVE, LEVELING (Solenoid operated)	1
53	01-069600		CARTRIDGE, LEVELING VALVE	1
54	10-082400		PIN, MASTER CYLINDER (Case end)	1
55	10-082200		PIN, MASTER CYLINDER (Rod end)	1
56	10-103200		BRACKET, MASTER CYLINDER	1
57	04-027100		CYLINDER, SLAVE LEVELING	1
58	04-026801		SEAL KIT, LEVELING CYLINDER	1
59	01-069500		VALVE, HOLDING (Slave cylinder)	
60	01-067500		CHECK VALVE, PILOT OPERATED (Slave cylinder)	1
61	10-081600		PIN, SLAVE CYLINDER (Case end)	1
62	10-082500		PIN, SLAVE CYLINDER (Rod end)	1
63	08-044700		BUSHING	8
64			RING, RETAINING	8
65	08-059100		BUSHING	2

TITLE BOOM ASSEMBLY, EAGLE 32/21 (UPPER BOOM, PLATE 3 OF 3)

PLATE NO. 03.01 **SIMON AERIALS INC.**

REV. 31 AUG., 1993

PART NO.



Art # A03.050038

TITLE BOOM ASSEMBLY, EAGLE 32/21 (UPPER BOOM, PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 31 AUG., 1993

PART
NO.

PLATE
NO.

03.01

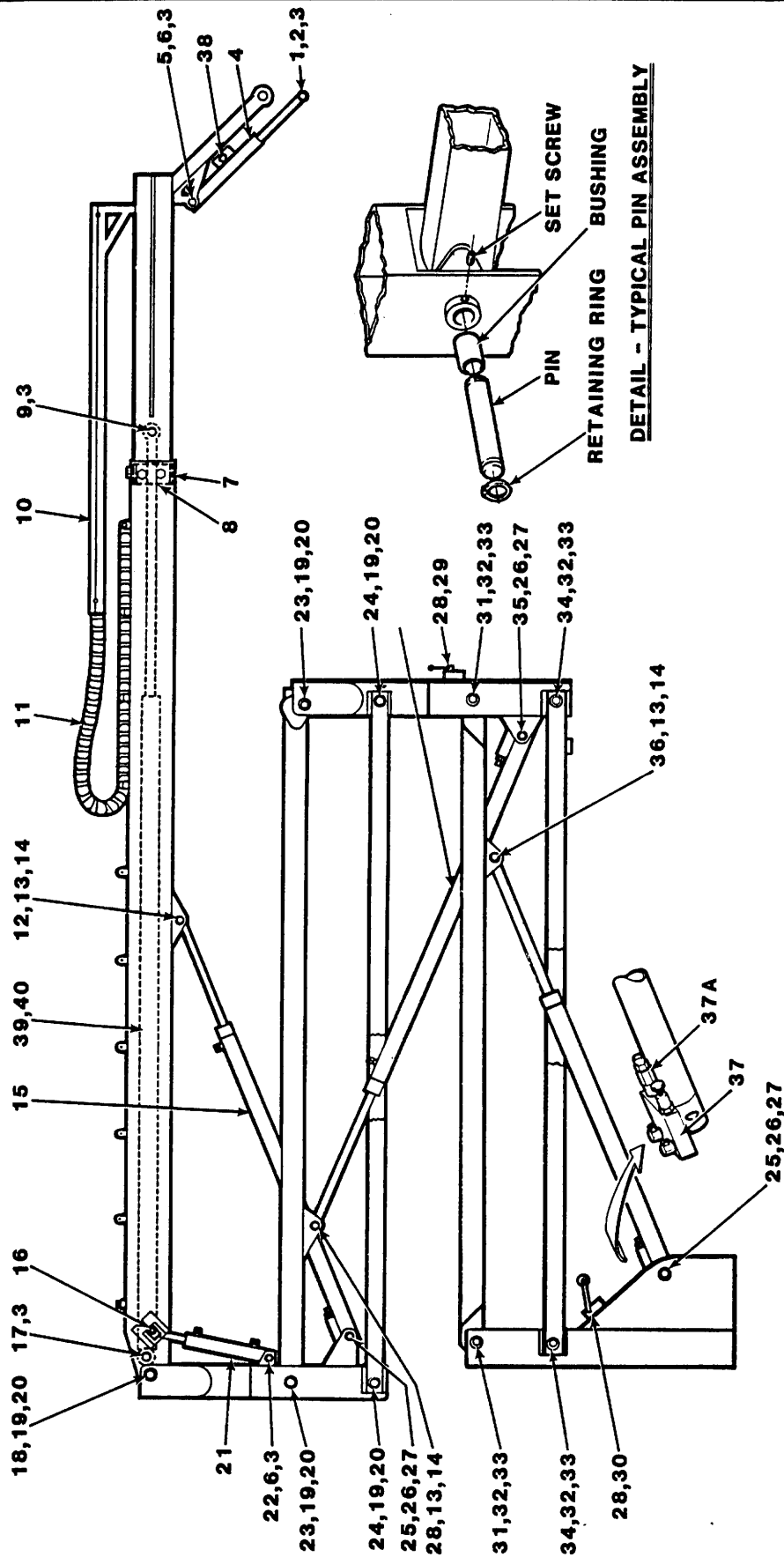
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	10-082500		PIN, SLAVE CLYINDER ROD END	1
2			BUSHING	2
3			RETAINING RING	10
4	04-027100		SLAVE LEVELING CYLINDER	1
5	10-081600		PIN, SLAVE LEVEL CYLINDER ROED END	1
6			BUSHING	4
7	10-082000		TOP & BOTTOM SLIDER PAD	2
8	10-082100		SIDE SLIDER PAD	2
9	10-081700		PIN, EXTEND CYLINDER ROD END	1
10	10-081800		MOVING ANCHOR	1
11	08-059200		HOSE TRACK	1
12			PIN, UPPER BOOM LIFT CYLINDER ROD END	1
13			BUSHING	6
14			RETAINING RING	6
15	04-026900		LIFT CYLINDER	3
16	10-082200		PIN, MASTER LEVEL CYLINDER ROD END	1
17	10-083900		PIN, EXTEND CYLINDER CASE END	1
18	10-081500		PIN, UPPER BOOM PIVOT	1
19			BUSHING	8
20			RETAINING RING	8
21	04-027000		MASTER LEVELING CYLINDER	1
22			PIN, MASTER LEVEL CYLINDER CASE END	1
23			PIN, MIDDLE BOOM PIVOT	2
24			PIN, MIDDLE BOOM PARALLEL ARM PIVOT	2
25			PIN, UPPER/LOWER LIFT CYL. CASE END	2
26			BUSHING	6
27			RETAINING RING	6
28	03-407800		LIMIT SWITCH	2
29	03-407802		LEVER ARM, LIMIT SWITCH	1
30	03-407803		LEVER ARM, LIMIT SWITCH	1
31			PIN, LOWER BOOM PIVOT	2
32			BUSHING	8
33			RETAINING RING	8
34			PIN, LOWER BOOM PARALLEL ARM PIVOT	2
35			PIN, MIDDLE BOOM LIFT CYL. CASE END	1
36			PIN, LOWER BOOM LIFT CYLINDER ROD END	1
37	01-067300		HOLDING VALVE, LIFT CYLINDER	3
37A	01-069500		CARTRIDGE, HOLDING VALVE	3
38	01-067500		PILOT OPERATED CHECK VALVE, SLAVE CYL.	1
39	04-027200		EXTEND CYLINDER	1
40	04-027201		CARTRIDGE HOLDING VALVE, EXTEND CYL.	2

DESCRIPTION

BOOM ASSEMBLY

PART NO.



DESCRIPTION

BOOM ASSEMBLY

PART NO.

[illegible]

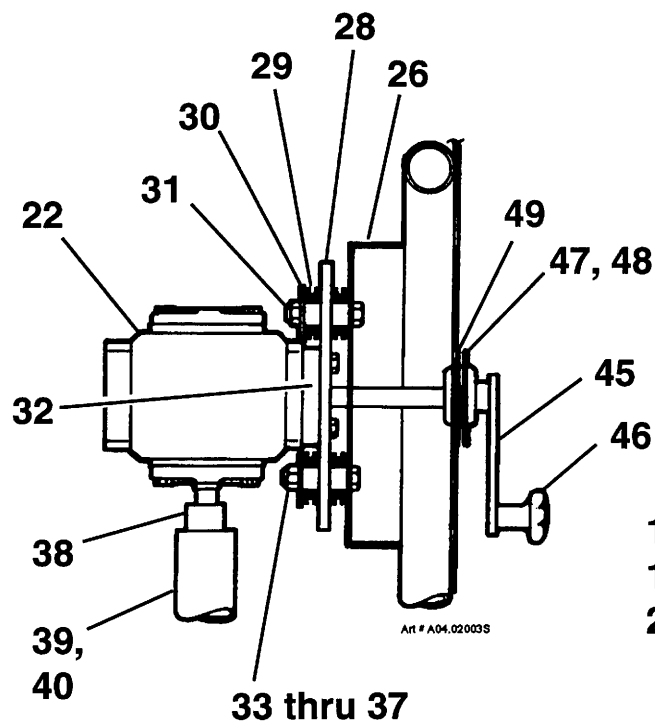
**PLATE
NO.**

04.01

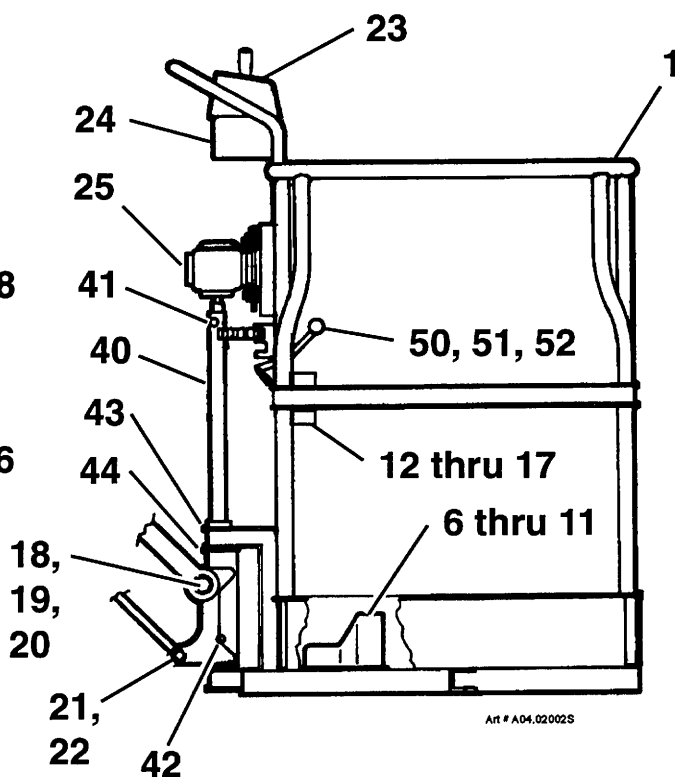
SIMON AERIALS INC.

REV. 15 AUG. 1994

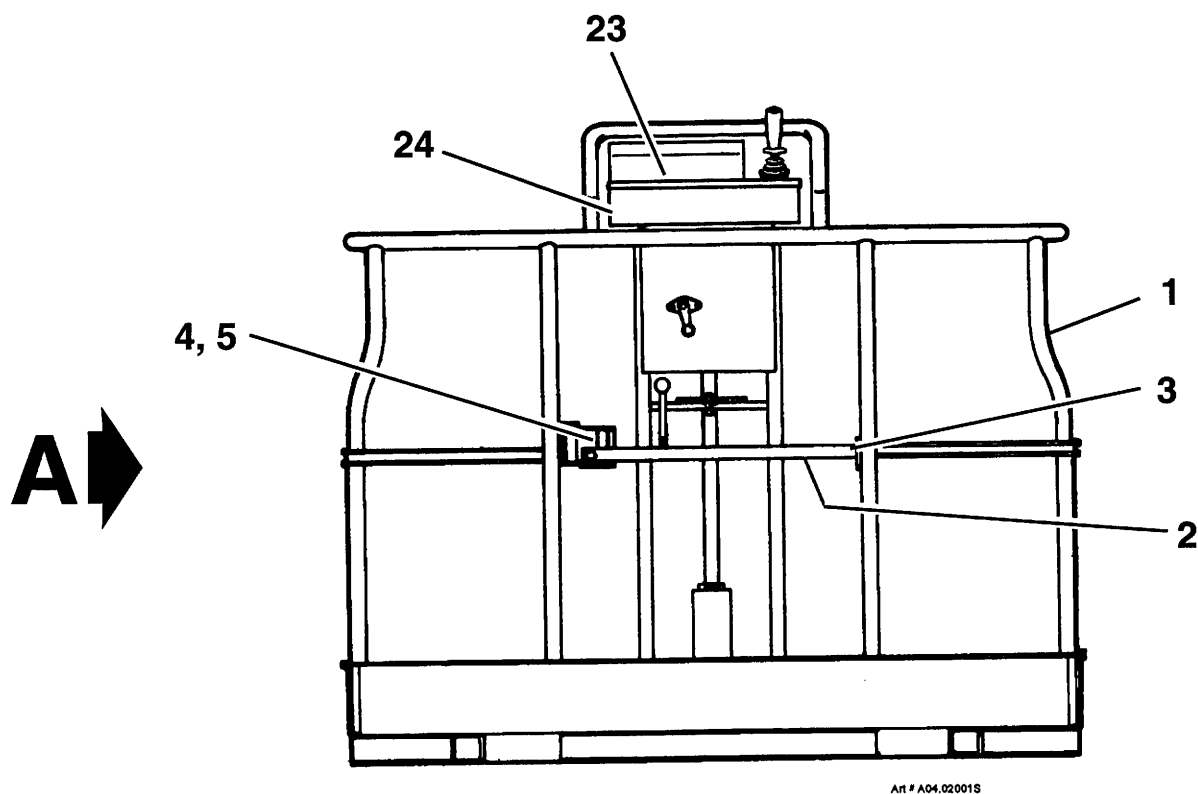
**PART
NO.**



Enlarged view of rotator



View in direction of Arrow "A"



TITLE PLATFORM ASSEMBLY, EAGLE 32/21 (PRIOR TO S/N 4000) (PLATE 1 OF 2)

SIMON AERIALS INC.

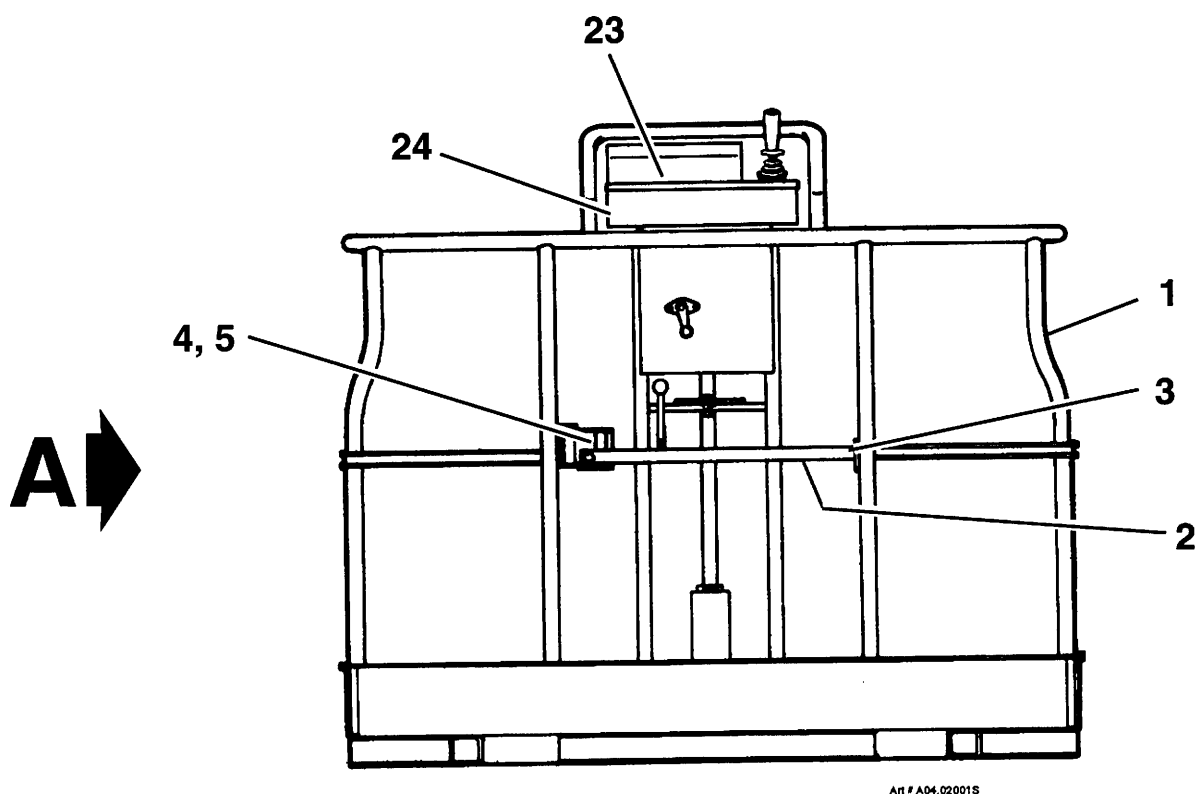
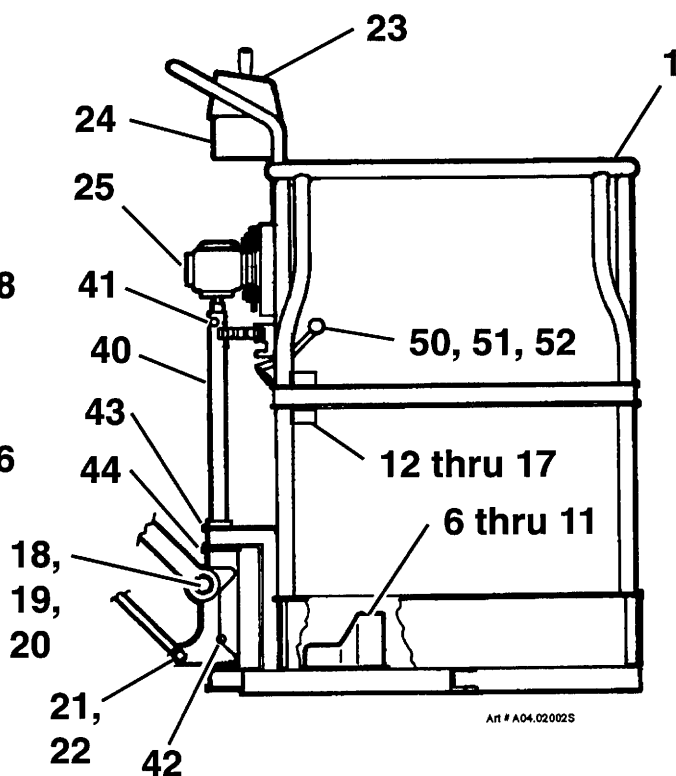
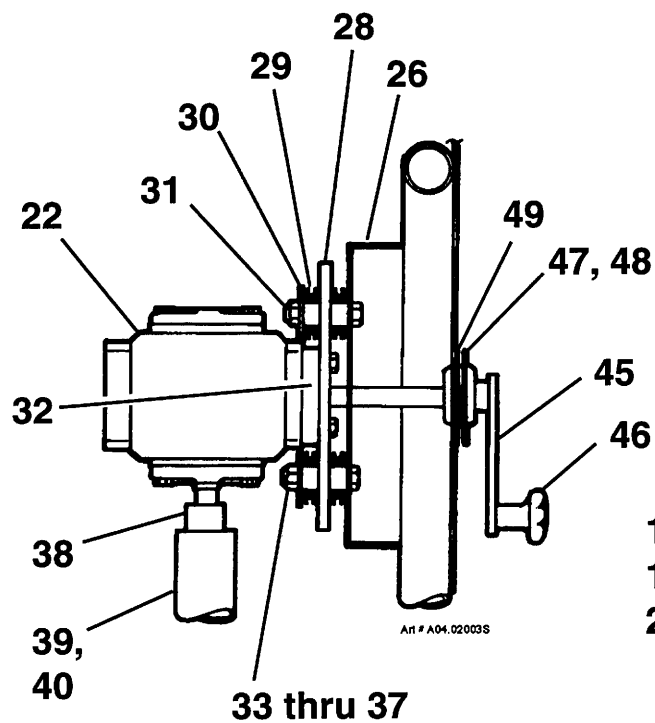
REV. 15 AUG, 1994

PART
NO.

PLATE
NO.

04.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	02-012400		ROTATOR, PLATFORM (Gear reducer)	1
26	2101820		BRACKET WELDMENT, ROTATOR	1
27	2114020		GEAR BOX, FLOATING	1
28	2113990		FLANGE, GEAR BOX MOUNTING	1
29	10-084200		GROMMET, SHOCK ABSORBER (Rubber)	8
30	10-005600		WASHER, FENDER (3/8")	4
31	2114010		POST, SPACER	4
32	2114000		SPACER, GEAR	1
33	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	4
34	07-003050		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/4", Grade 5)	4
35	07-050016		NUT, STOP (3/8"-16, Grade 5)	4
36	07-060014		WASHER, FLAT (1/4" SAE)	2
37	07-065014		WASHER, HELICAL LOCK (1/4")	4
38	2097776		COUPLING, PIVOT POST	1
39	2101680		ROD, THREADED (3/8"-16 x 12-1/2" [31.75 cm] long)	1
40	2102870		POST, PIVOT	1
41	2109830		PIN, PIVOT POST (Upper)	1
42	2109840		PIN, PIVOT POST (Lower)	2
43	08-014000		SLEEVE BEARING	2
44	08-014100		THRUST WASHER	1
45	2102900		HANDLE, PLATFORM ROTATOR	1
46	10-064900		KNOB, ROTATOR HANDLE (Palm grip)	1
47	02-012100		BEARING, CAM	1
48	02-012200		BEARING, FLANGED	1
49	07-060014		WASHER, FLAT (1 / 4" SAE)	2
50	2101710		HANDLE, PLATFORM ROTATOR LOCK	1
51	10-042400		KNOB, BALL (Plastic)	1
52	2098060		PLATE, CRANK ARM	1
TITLE PLATFORM ASSEMBLY, EAGLE 32/21 (PRIOR TO S/N 4000) (PLATE 2 OF 2)				
PLATE NO.	04.01	SIMON AERIALS INC.		PART NO.
				REV. 15 AUG, 1994



TITLE PLATFORM ASSEMBLY, EAGLE 32/21 (PRIOR TO S/N 4000) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 15 AUG. 1994

PART
NO.

PLATE
NO.

04.01

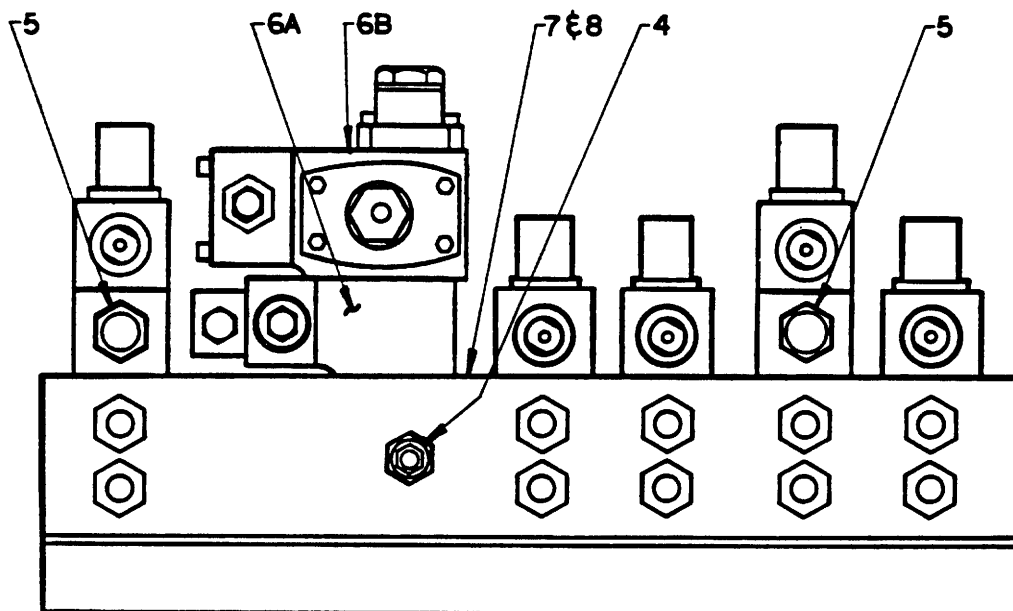
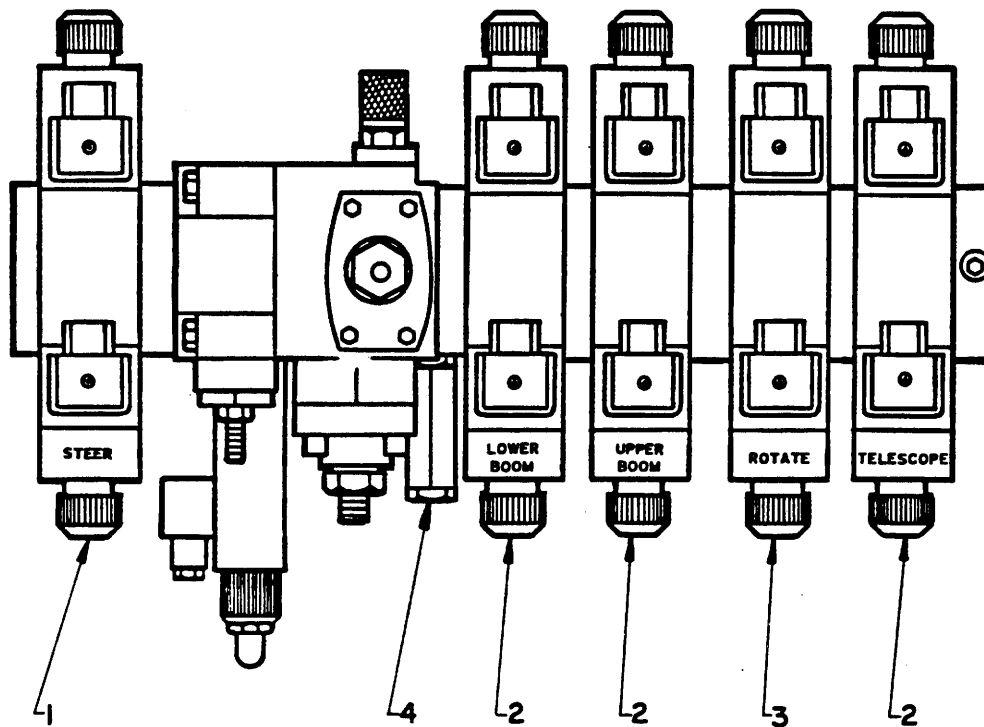
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TITLE	VALVE BANK ASSEMBLY, EAGLE 32/21 ELECTRIC
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PLATE NO.	06.01	SIMON AERIALS INC.
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REV. 11 AUG., 1993
(TEXT PAGE ONLY)

PART
NO.



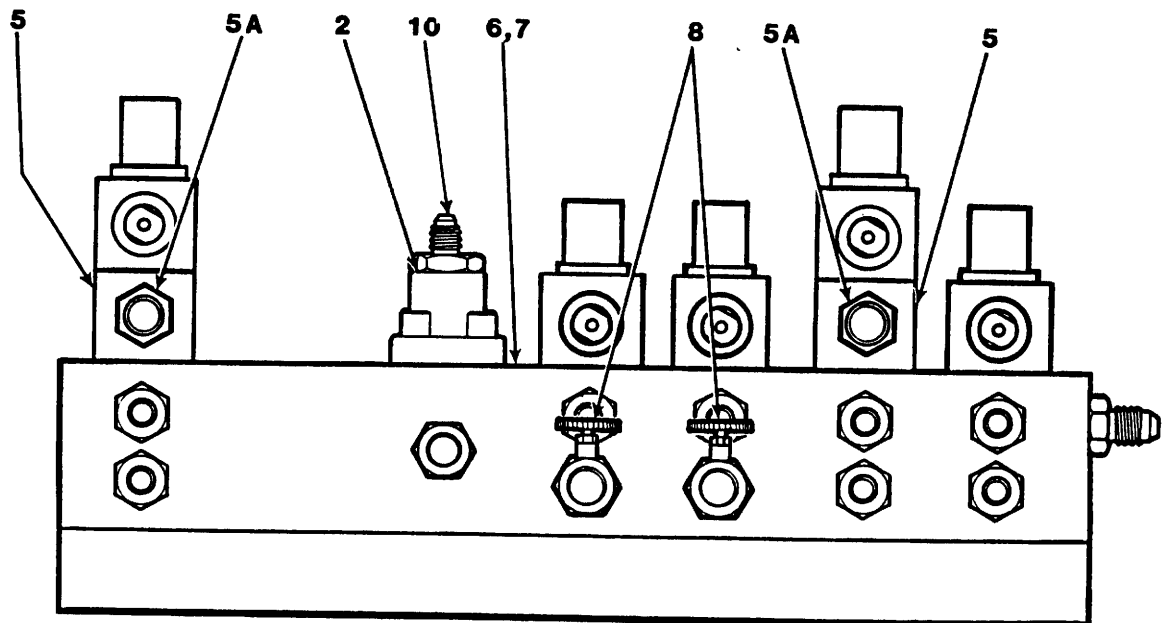
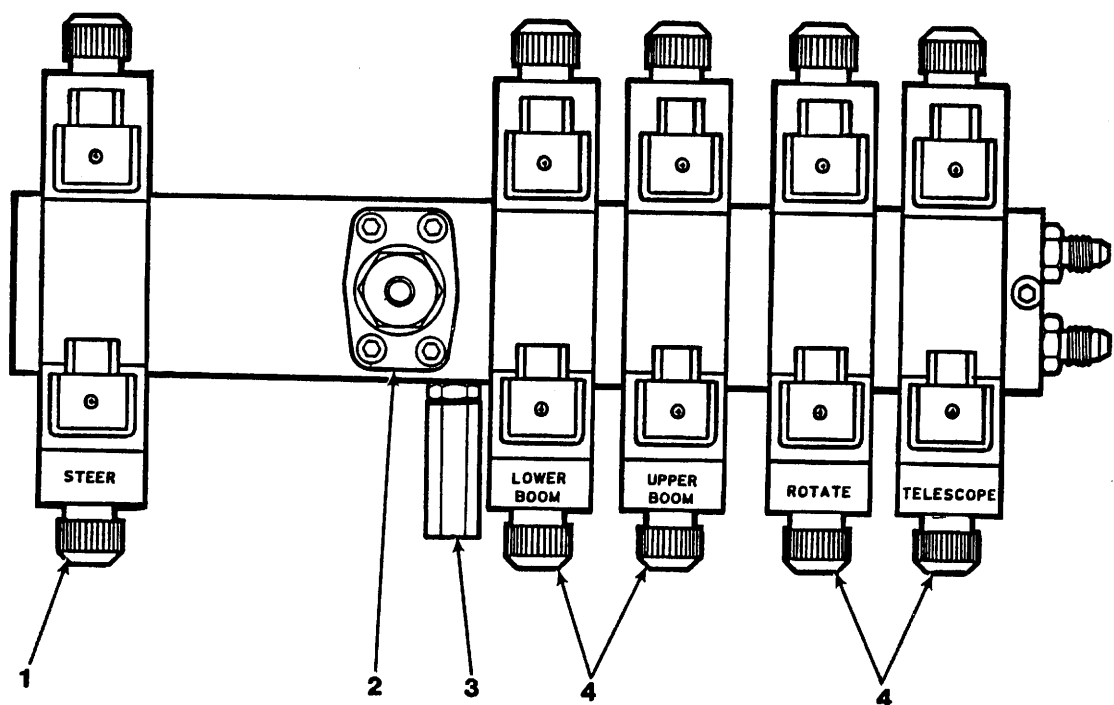
DESCRIPTION

VALVE BANK ASSEMBLY (ELEC.)

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-070000		SOLENOID CONTROL VALVE, 4-WAY	1
2	06-200100		ADAPTER FLANGE	1
3	01-020800		CHECK VALVE	1
4	01-072000		SOLENOID CONTROL VALVE, 4-WAY	4
5	01-067100		CROSS PORT RELIEF VALVE ASS'Y.	2
5A	01-067101		CARTRIGE, CROSS PORT RELIEF VALVE	4
6	01-066400		MANIFOLD BLOCK	1
7	01-074700		CARTRIGE CHECK VALVE (IN MANIF.-NOT SHOWN)	1
8	01-018900		NEEDLE VALVE, SAE #6 PORTS	2
9	01-070800		SEAL KIT ('O' RINGS FOR MOUNTING VALVES TO MANIFOLD)	1
10	06-000017		FITTING	1
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (GAS)				



USED THRU CODE # 087 - 010

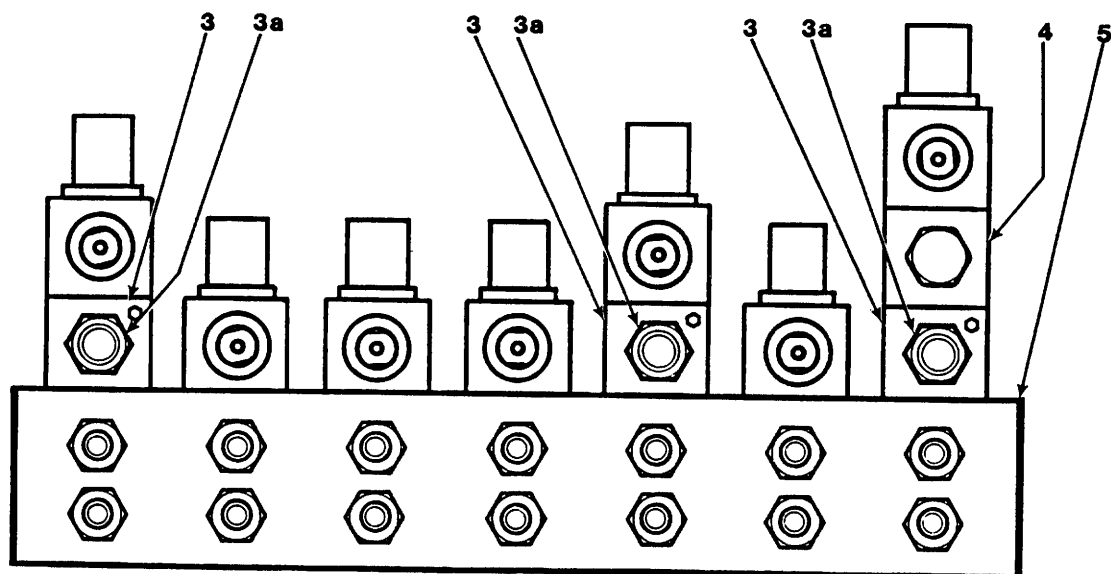
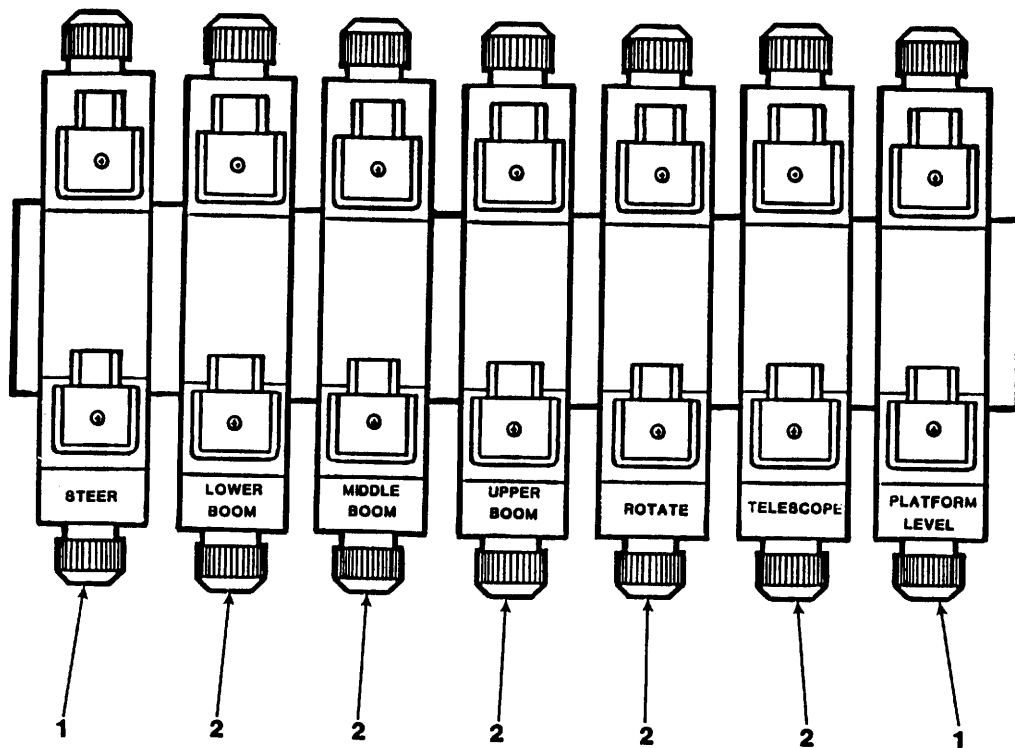
DESCRIPTION

VALVE BANK ASSEMBLY (GAS)

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-081800		12 VDC SOL.VALVE,4-WAY(LEVEL,STEER)GAS MODEL	2
1	01-081900		48 VDC SOL.VALVE,4-WAY(LEVEL,STEER)ELEC. MODEL	2
2	01-072000		12 VDC SOL.VALVE,4-WAY(BOOM FUNCTIONS)GAS MODEL	5
2	01-066900		48 VDC SOL.VALVE,4-WAY(BOOM FUNCTIONS)ELEC.MODEL	5
3	01-067100		CROSS PORT RELIEF VALVE	3
3A	01-067101		CARTRIDGE, CROSS PORT RELIEF VALVE	6
4	01-081000		DOUBLE ACTING CHECK VALVE	1
5			MANIFOLD BLOCK	1
6	01-037400		'O' RING (VALVES TO MANIFOLD)	44
DESCRIPTION			PART NO.	
VALVE BANK ASSEMBLY (GAS & ELEC.)				



1286/1286

DESCRIPTION

VALVE BANK ASSEMBLY (GAS & ELEC.)

PART NO.

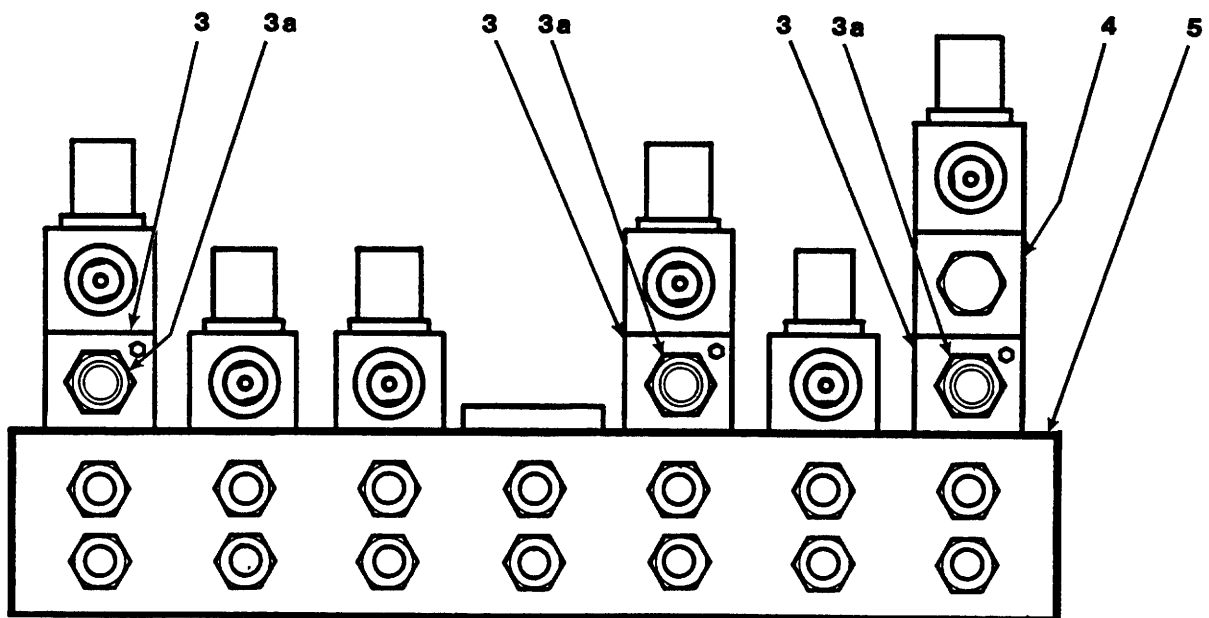
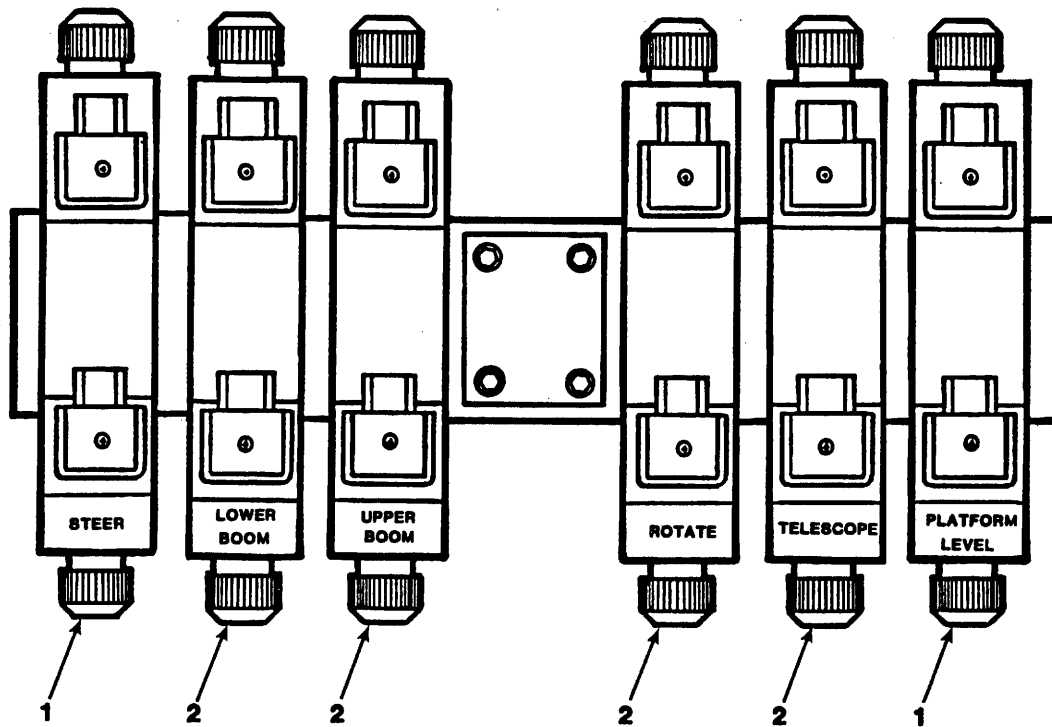
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	01-081800		12VDC SOL. VALVE, 4-WAY (LEVEL, STEER) GAS MODEL	2
1	01-081900		48VDC SOL. VALVE, 4-WAY (LEVEL, STEER) ELEC. MODEL	2
2	01-072000		12VDC SOL. VALVE, 4-WAY (BOOM FUNCTIONS) GAS MODEL	4
2	01-066900		48VDC SOL. VALVE, 4-WAY (BOOM FUNCTIONS) ELEC. MODEL	4
3	01-067100		CROSS PORT RELIEF VALVE	3
3A	01-06701		CARTRIDGE, CROSS PORT RELIEF VALVE	6
4	01-081000		DOUBLE ACTING CHECK VALVE	1
5			MANIFOLD BLOCK	1
6	01-037400		"O" RING (MOUNTS VALVES TO MANIF.) (NOT SHOWN)	1

DESCRIPTION

VALVE BANK ASSEMBLY (GAS & ELEC.)

PART NO.



DESCRIPTION
VALVE BANK ASSEMBLY - (GAS & ELECTRIC)

PART NO.

PARTS LIST

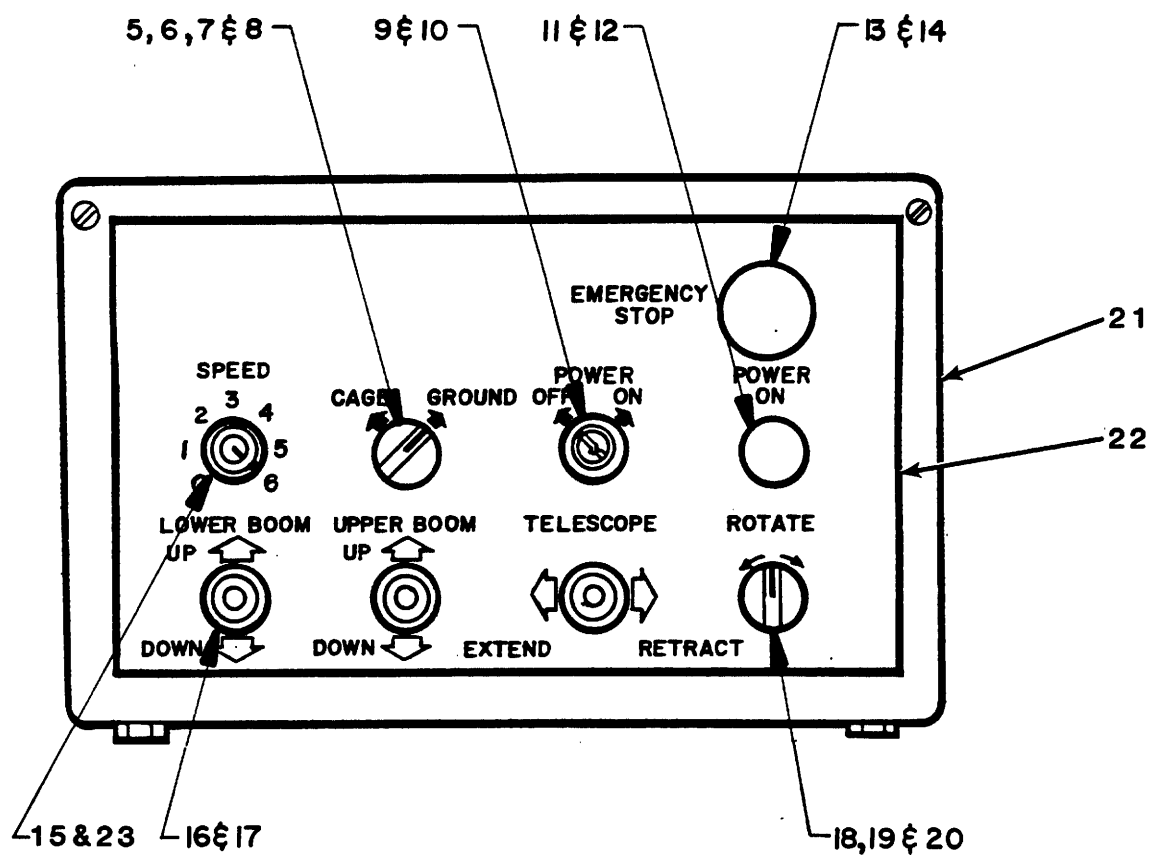
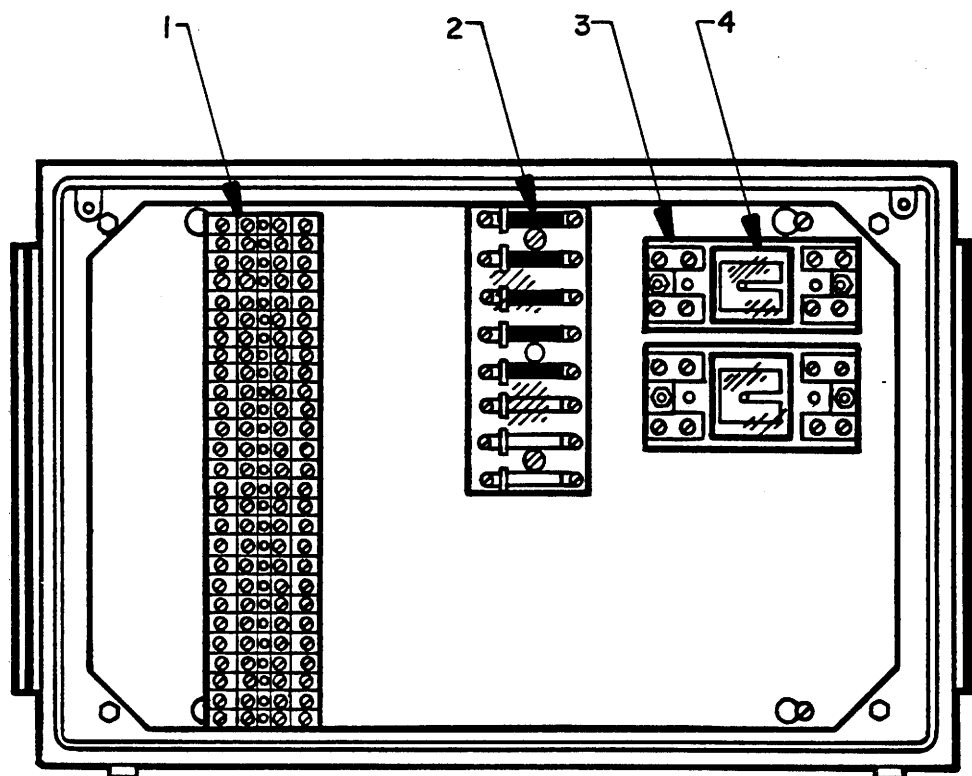
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-422000		BLOCK, TERMINAL (Double pole)	36
2	03-422100		FUSE (8 Amp)	5
3	03-037500		SOCKET, RELAY (supercedes part 03-411000)	2
4	03-410400		RELAY (48 Volt DC, Double pole, Double throw) (for Brake and Movement Alarm)	2
5	03-410000		SWITCH, 2 POSITION ROTARY (Platform/ Ground selector)	1
6	03-454900		BASE, CONTACT BLOCK (supercedes Base and Contact Block Ass'y. 03-410100)	1
7	03-409500		BLOCK, CONTACT (Normally closed)	3
8	03-409600		BLOCK, CONTACT (Normally open)	2
9	03-436700		SWITCH, KEY OPERATED (Power "On/ Off") (supercedes part 03-410200)	1
9a	03-436701		KEY (Power "On/ Off")	1
10	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 2 normally open contact blocks)	1
11	03-409400		BASE, PILOT LIGHT (7 contact)	1
12	03-410300		LENS, PILOT LIGHT (Blue)	1
12a	03-409402		BULB (#356, 24 Volt DC)	1
13	03-409800		BUTTON, EMERGENCY STOP	1
14	03-409900		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 1 normally closed contact block)	1
15	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
16	03-409700		CONTROL, JOYSTICK	3
16a	03-409701		TIP, RUBBER	1
16b	03-409702		HANDLE, JOYSTICK	1
16c	03-409703		BOOT, JOYSTICK	1
17	03-409500		BLOCK, CONTACT (Normally closed)	6
18	03-407500		SWITCH, 3 POSITION ROTARY (Superstructure "Rotate")	1
19	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 2 normally open contact blocks)	1
20	03-409600		BLOCK, CONTACT (Normally open)	2
21	10-082700		ENCLOSURE, GROUND CONTROL	1
22	10-082800		DECAL, GROUND CONTROL	1
23	10-084000		KNOB, POTENTIOMETER (Function speed)	1

TITLE GROUND CONTROL BOX, EAGLE 32/21 (ELECTRIC)

PLATE NO. 07.01 SIMON AERIALS INC.

REV. 07 SEP., 1993
THIS SHEET ONLY

PART NO.



DESCRIPTION

GROUND CONTROL BOX (ELEC.)

PART NO.

PARTS LIST

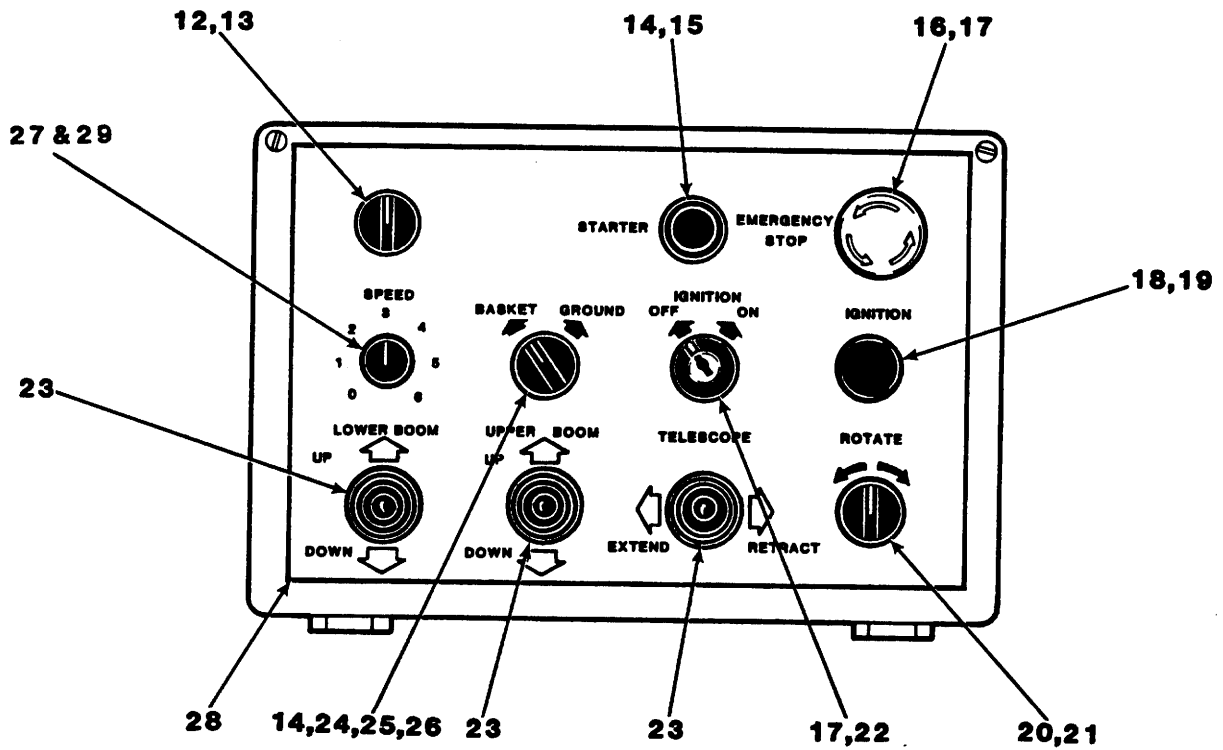
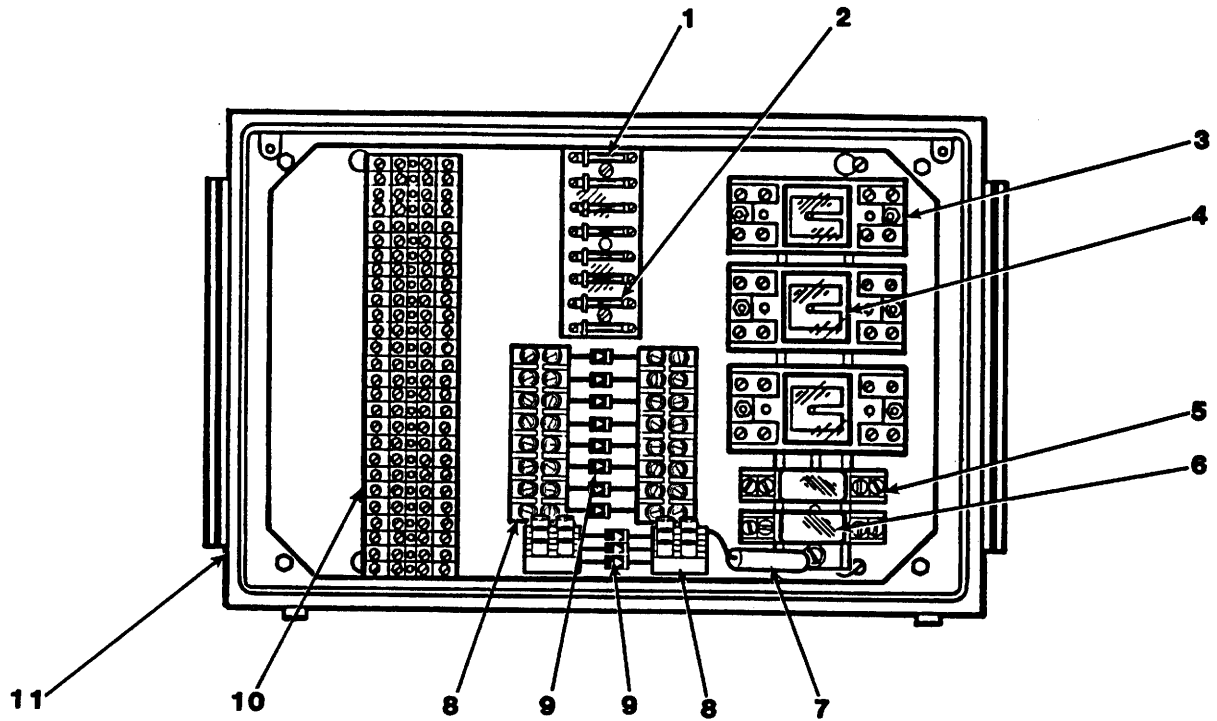
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-422200		FUSE (16 Amp) (Red)	2
2	03-422100		FUSE (8 Amp) (White)	6
3	03-037500		SOCKET, RELAY (Double pole)(supercedes part 03-411000)	2
4	03-050100		RELAY (12 Volt DC, Double pole, Double throw)	3
5	03-051600		SOCKET, RELAY (Single pole)	2
6	03-051500		RELAY (12 Volt DC, Single pole)	2
7			RESISTOR (10 Ohm)	1
8	03-412300		STRIP, TERMINAL (12 conductor, 20 Amp, 300 Volt AC)	A.R.
9	03-403800		DIODE (3 Amp, 100 Volt)	15
10	03-422000		BLOCK, TERMINAL (Double pole)	39
11	10-082700		ENCLOSURE, GROUND CONTROL	1
12	03-437000		SWITCH, 2 POSITION ROTARY (Power switch) (Left maintained contact, right momentary contact) (supercedes part 03-415000)	1
13	03-454900		BASE, CONTACT BLOCK (Supercedes Base and Contact Block Ass'y. 03-421800. Order Contact Blocks separately.)	1
14	03-421900		SWITCH, PUSH BUTTON (Blue, with boot)	1
15	03-454900		BASE, CONTACT BLOCK (Supercedes Base and Contact Block Ass'y. 03-421800. Order Contact Blocks separately.)	1
16	03-409800		BUTTON, EMERGENCY STOP	1
17	03-454900		BASE, CONTACT BLOCK (Supercedes Base and Contact Block Ass'y. 03-410100. Order Contact Blocks separately.)	3
18	03-410300		LENS, PILOT LIGHT (Blue)	1
18a	03-409401		BULB, PILOT LIGHT (12 Volt DC)	1
19	03-409400		BASE, PILOT LIGHT (7 contact)	1
20	03-407500		SWITCH, 3 POSITION ROTARY (Superstructure "Rotate") (Left and right momentary, center maintained contact)	1
21	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 2 normally open contact blocks)	1
22	03-436700		SWITCH, KEY OPERATED (Power "On/ Off") (supercedes part 03-410200)	1
22a	03-436701		KEY (Power "On/ Off")	1
23	03-409700		CONTROL, JOYSTICK	3
23a	03-409701		TIP, RUBBER	1
23b	03-409702		HANDLE, JOYSTICK	1
23c	03-409703		BOOT, JOYSTICK	1
24	03-410000		SWITCH, 2 POSITION ROTARY (Platform/ Ground selector)	1
25	03-409500		BLOCK, CONTACT (Normally closed)	A.R.
26	03-409600		BLOCK, CONTACT (Normally open)	A.R.
27	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
22	10-082900		DECAL, GROUND CONTROL	1
23	10-084000		KNOB, POTENTIOMETER (Function speed)	1

TITLE GROUND CONTROL BOX, EAGLE 32/21 (FUEL)

PLATE NO. 07.02 **SIMON AERIALS INC.**

REV. 07 SEP., 1993
THIS SHEET ONLY

PART NO.



DESCRIPTION

GROUND CONTROL BOX (GAS)

PART NO.

PARTS LIST

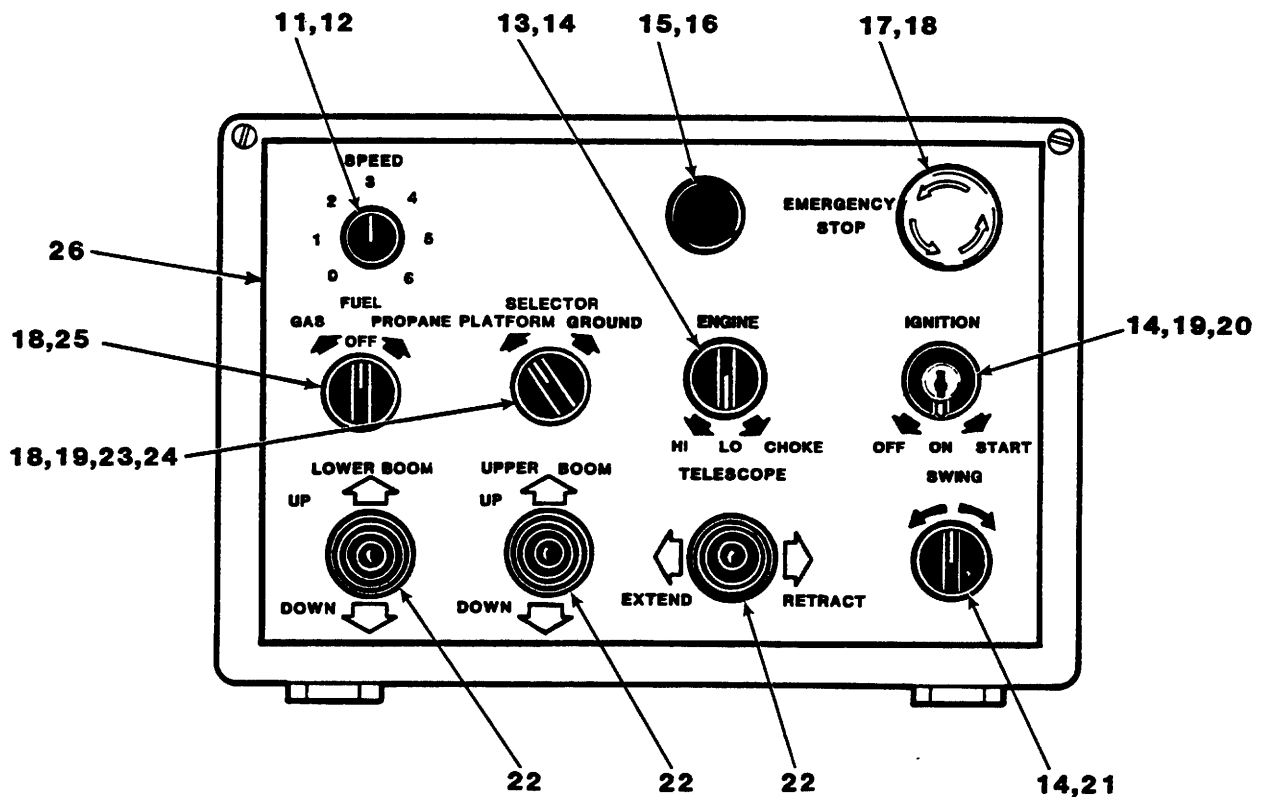
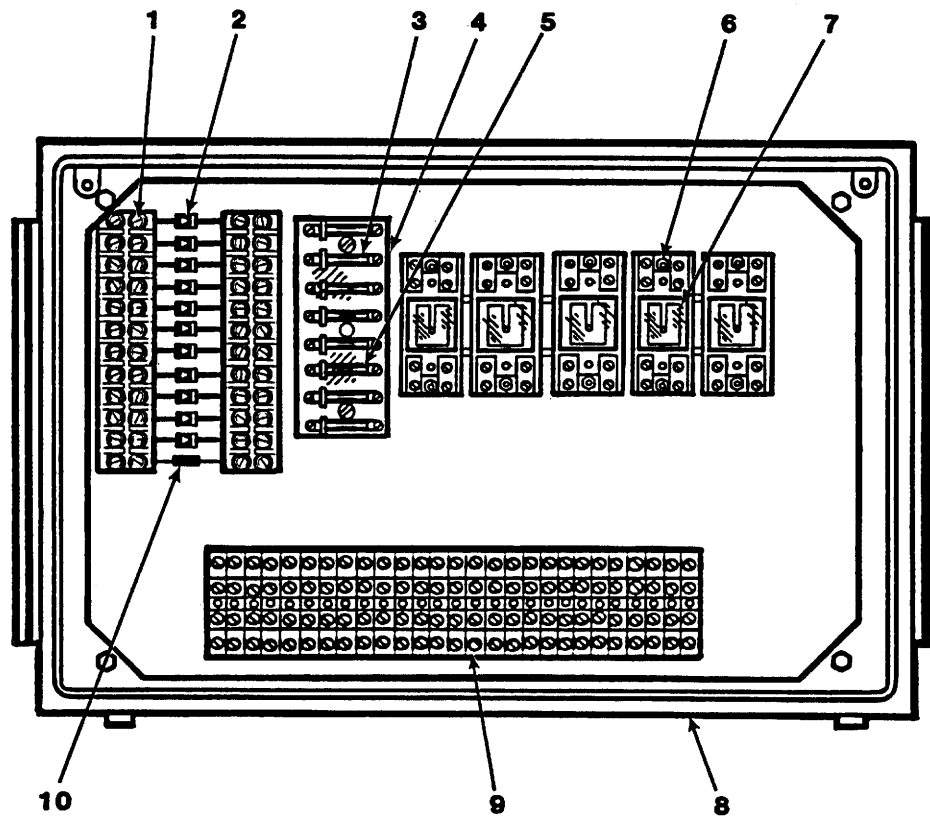
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-412300		STRIP, TERMINAL (12 conductor, 20 Amp, 300 Volt AC)	A.R.
2	03-403800		DIODE (3 Amp, 100 Volt)	9
3	03-422100		FUSE (8 Amp) (White)	2
4	03-423800		HOLDER, FUSE	1
5	03-422200		FUSE (16 Amp) (Red)	6
6	03-037500		SOCKET, RELAY (Double pole)(supercedes part 03-411000)	6
7	03-050100		RELAY (12 Volt DC, Double pole, Double throw)	6
8	10-082700		ENCLOSURE, GROUND CONTROL	1
9	03-422000		BLOCK, TERMINAL (Double pole)	A.R.
10			RESISTOR	1
11	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
12	10-084000		KNOB, POTENTIOMETER (Function speed)	1
13	03-411700		SWITCH, 3 POSITION ROTARY (Engine "Hi/ Lo/ Choke") (Left momentary, center and right maintained contact)	1
14	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 2 normally open contact blocks)	1
15	03-409400		BASE, PILOT LIGHT (7 contact)	1
16	03-410300		LENS, PILOT LIGHT (Blue)	1
16a	03-409401		BULB, PILOT LIGHT (12 Volt DC)	1
17	03-409800		BUTTON, EMERGENCY STOP	1
18	03-454900		BASE, CONTACT BLOCK (supercedes Base and Contact Block Ass'y. 03-410100)	3
19	03-409500		BLOCK, CONTACT (Normally closed)	2
20	03-423100		SWITCH, KEY OPERATED (Ignition "Off/ On/ Start")	1
21	03-407500		SWITCH, 3 POSITION ROTARY (Superstructure "Rotate") (Left and right momentary, center maintained contact)	1
22	03-409700		CONTROL, JOYSTICK	3
22a	03-409701		TIP, RUBBER	1
22b	03-409702		HANDLE, JOYSTICK	1
22c	03-409703		BOOT, JOYSTICK	1
23	03-409600		BLOCK, CONTACT (Normally open)	1
24	03-410000		SWITCH, 2 POSITION ROTARY (Platform/ Ground selector) (Maintained contact)	1
25	03-423000		SWITCH, 3 POSITION ROTARY (Gas/ Propaneselector) (Maintained contact)	1
26			DECAL, GROUND CONTROL	1

TITLE GROUND CONTROL BOX, EAGLE 32/21 (FUEL)

PLATE NO. 07.05 **SIMON AERIALS INC.**

REV. 07 SEP., 1993
THIS SHEET ONLY

PART NO.



0487/0187

DESCRIPTION

GROUND CONTROL BOX - (GAS)

PART NO.

PARTS LIST

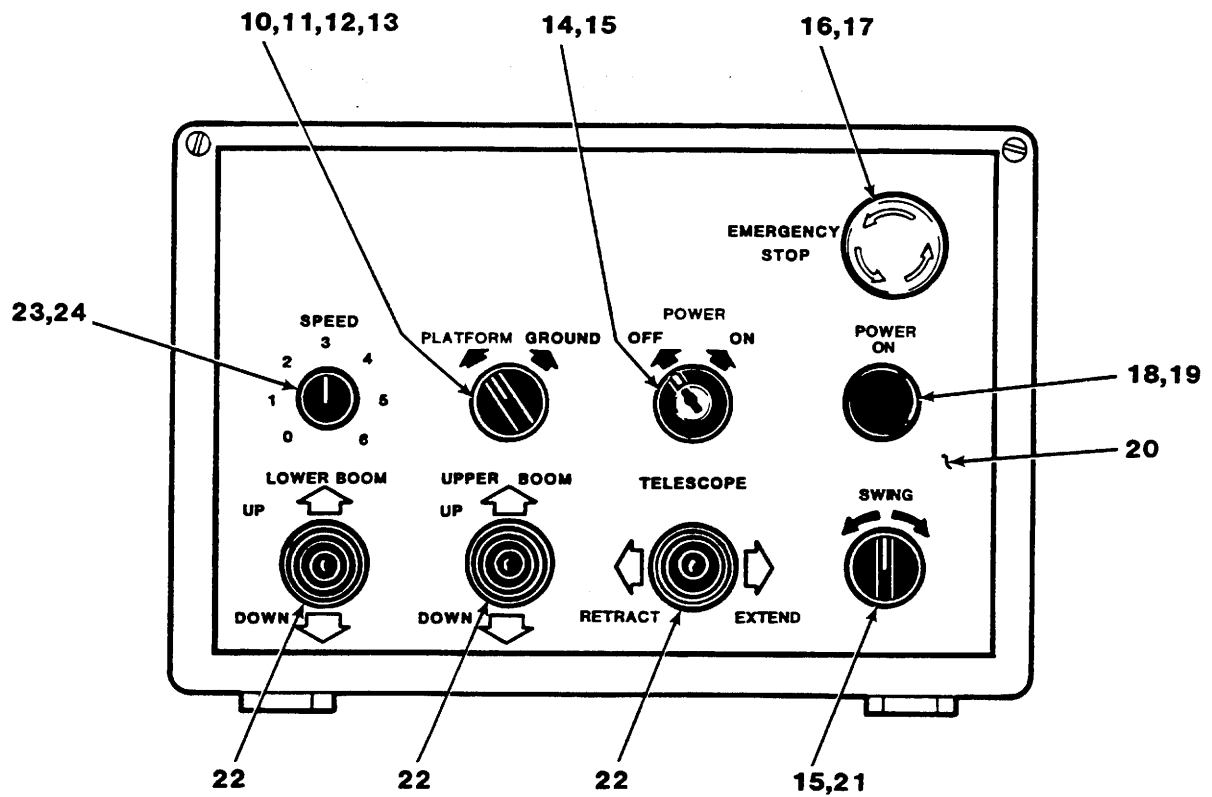
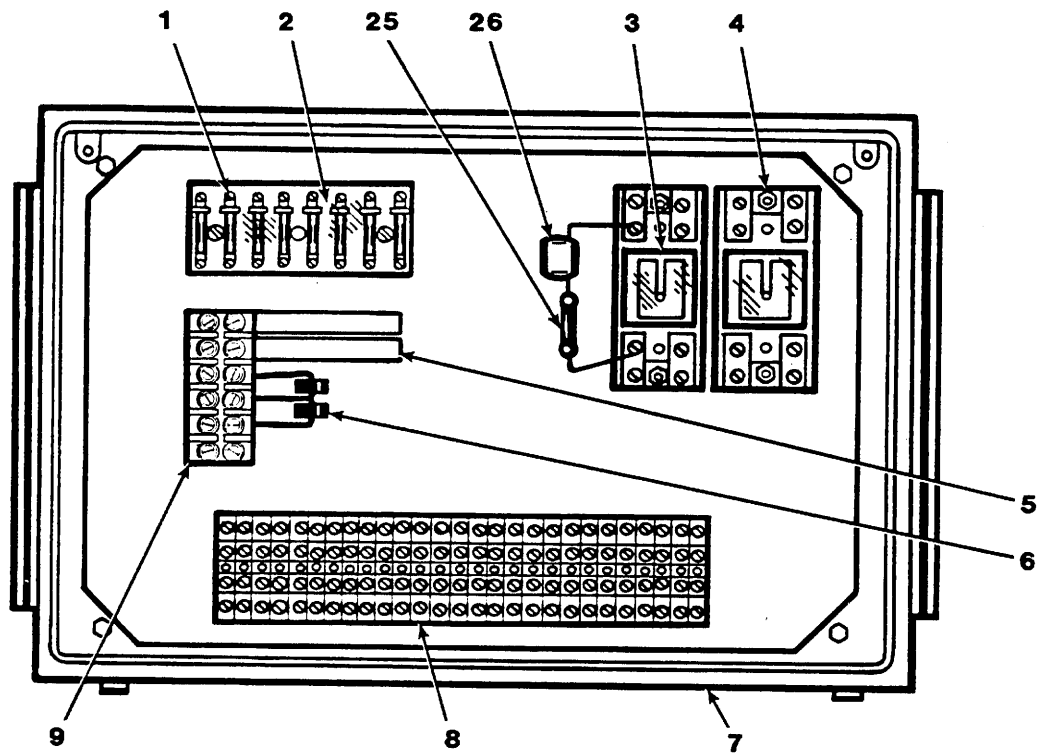
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-422100		FUSE (8 Amp) (White)	8
2	03-423800		HOLDER, FUSE	1
3	03-410400		RELAY (48 Volt DC, Double pole, Double throw)	2
4	03-037500		SOCKET, RELAY (supercedes part 03-411000)	2
5			RESISTOR	2
6	03-061800		DIODE	
7	10-082700		ENCLOSURE, GROUND CONTROL	1
8	03-422000		BLOCK, TERMINAL (Double pole)	A.R.
9	03-412300		STRIP, TERMINAL (12 conductor, 20 Amp, 300 Volt AC)	A.R.
10	03-410000		SWITCH, 2 POSITION ROTARY (Platform/ Ground selector)	1
11	03-454900		BASE, CONTACT BLOCK (supercedes Base and Contact Block Ass'y. 03-410100)	1
12	03-409500		BLOCK, CONTACT (Normally closed)	3
13	03-409600		BLOCK, CONTACT (Normally open)	2
14	03-436700		SWITCH, KEY OPERATED (Power "On/ Off") (supercedes part 03-410200)	1
14a	03-436701		KEY (Power "On/ Off")	1
15	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 2 normally open contact blocks)	1
16	03-409800		BUTTON, EMERGENCY STOP	1
17	03-409900		BASE AND CONTACT BLOCK ASSEMBLY (includes base and 1 normally closed contact block)	1
18	03-409400		BASE, PILOT LIGHT (7 contact)	1
18a	03-409402		BULB (#356, 24 Volt DC)	1
19	03-410300		LENS, PILOT LIGHT (Blue)	1
20	10-082800		DECAL, GROUND CONTROL	1
21	03-407500		SWITCH, 3 POSITION ROTARY (Superstructure "Rotate")	1
22	03-409700		CONTROL, JOYSTICK	3
22a	03-409701		TIP, RUBBER	1
22b	03-409702		HANDLE, JOYSTICK	1
22c	03-409703		BOOT, JOYSTICK	1
23	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
24	10-084000		KNOB, POTENTIOMETER (Function speed)	1
25	3512620		BRAKE SUPPRESSOR KIT [includes (1) resistor, (1) capacitor, and 24" of #16 Ga. wire]	1
25a	03-425500		RESISTOR	1
26	03-425400		CAPACITOR	1

TITLE GROUND CONTROL BOX, EAGLE 32/21 (ELECTRIC)

PLATE NO. 07.06 **SIMON AERIALS INC.**

REV. 07 SEP., 1993
THIS SHEET ONLY

PART NO.



0587/0587

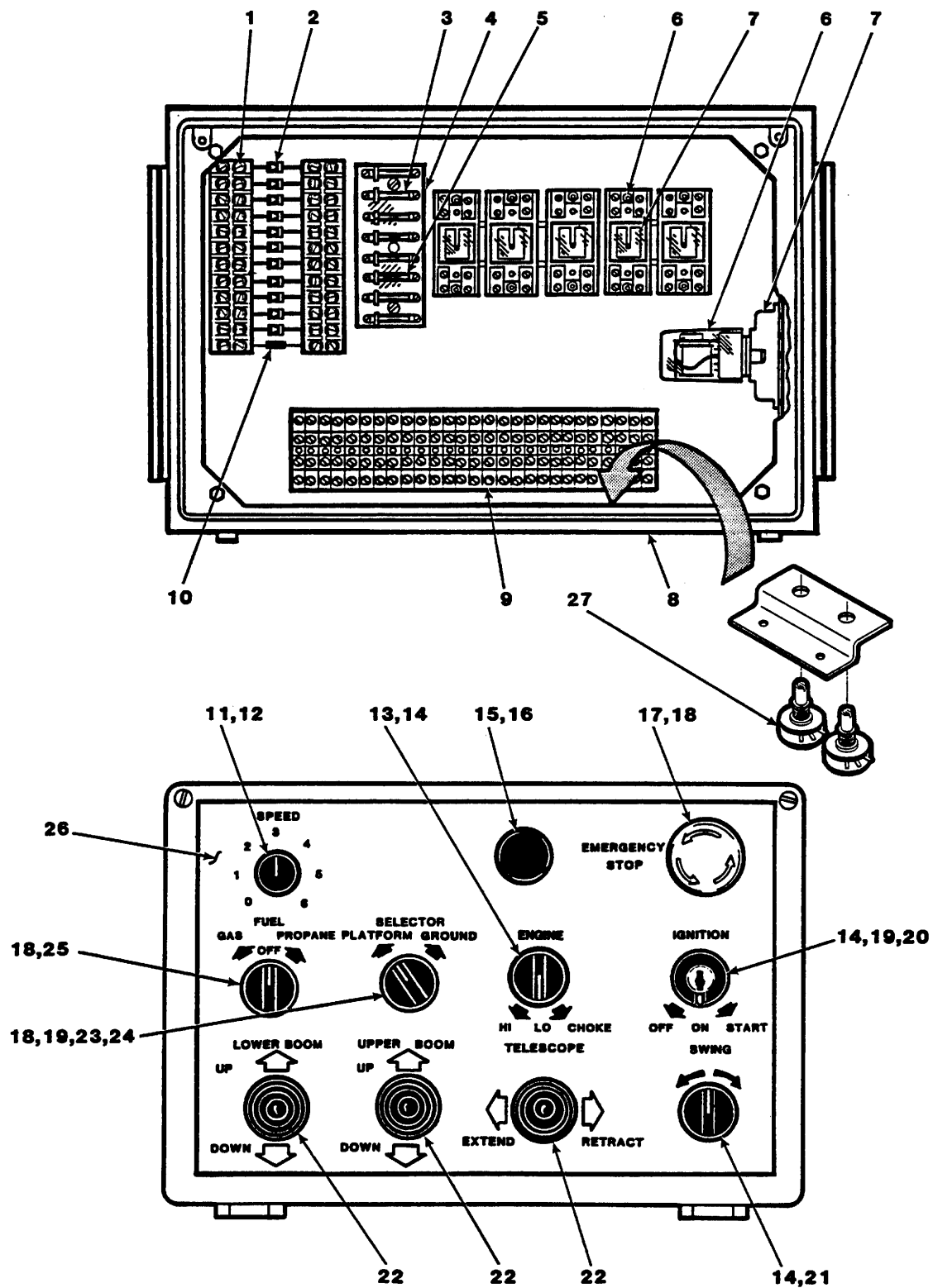
DESCRIPTION.

GROUND CONTROL BOX (ELEC.)

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-422300		TERMINAL STRIP	A.R.
2	03-403800		DIODE	9
3	03-422100		FUSE, 8 AMP (WHITE)	2
4	03-423800		FUSE HOLDER	1
5	03-422200		FUSE, 16 AMP (RED)	6
6	03-411000		RELAY BASE	6
7	03-410400		RELAY, DPDT	6
8	10-082700		ENCLOSURE	1
9	03-422000		TERMINAL BLOCK	A.R.
10			RESISTOR	1
11	03-411100		POTENIOMETER, FUNCTION SPEED - 100 OHM	1
12	10-084000		KNOB, FUNCTION SPEED	1
13	03-411700		ENGINE RPM SWITCH OPERATOR	1
14	03-407600		MOUNTING BASE & CONTACTS (2 N.O.)	3
15	03-409400		PILOT LIGHT BASE & CONTACT	1
16	03-410300		PILOT LIGHT LENS (BULB #03-409401)	1
17	03-409800		EMERGENCY STOP SWITCH OPERATOR	1
18	03-410100		MOUNTING BASE & CONTACTS (1N.O. - 1N.C.)	3
19	03-409500		CONTACT BLOCK, N.C.	2
20	03-423100		KEYSWITCH OPERATOR	1
21	03-407500		SWING SWITCH OPERATOR	1
22	03-409700		JOYSTICK OPERATOR (RUBBER TIPS #03-409701)	3
23	03-409600		CONTACT BLOCK, N.O.	1
24	03-410000		PLATFORM/GROUND SWITCH OPERATOR	1
25	03-423000		GAS/PROPANE SWITCH OPERATOR	1
26			DECAL, GROUND CONTROL BOX	1
27	03-436000		POTENTIOMETER, 250 OHM	2
DESCRIPTION			GROUND CONTROL BOX - (GAS)	
			PART NO.	



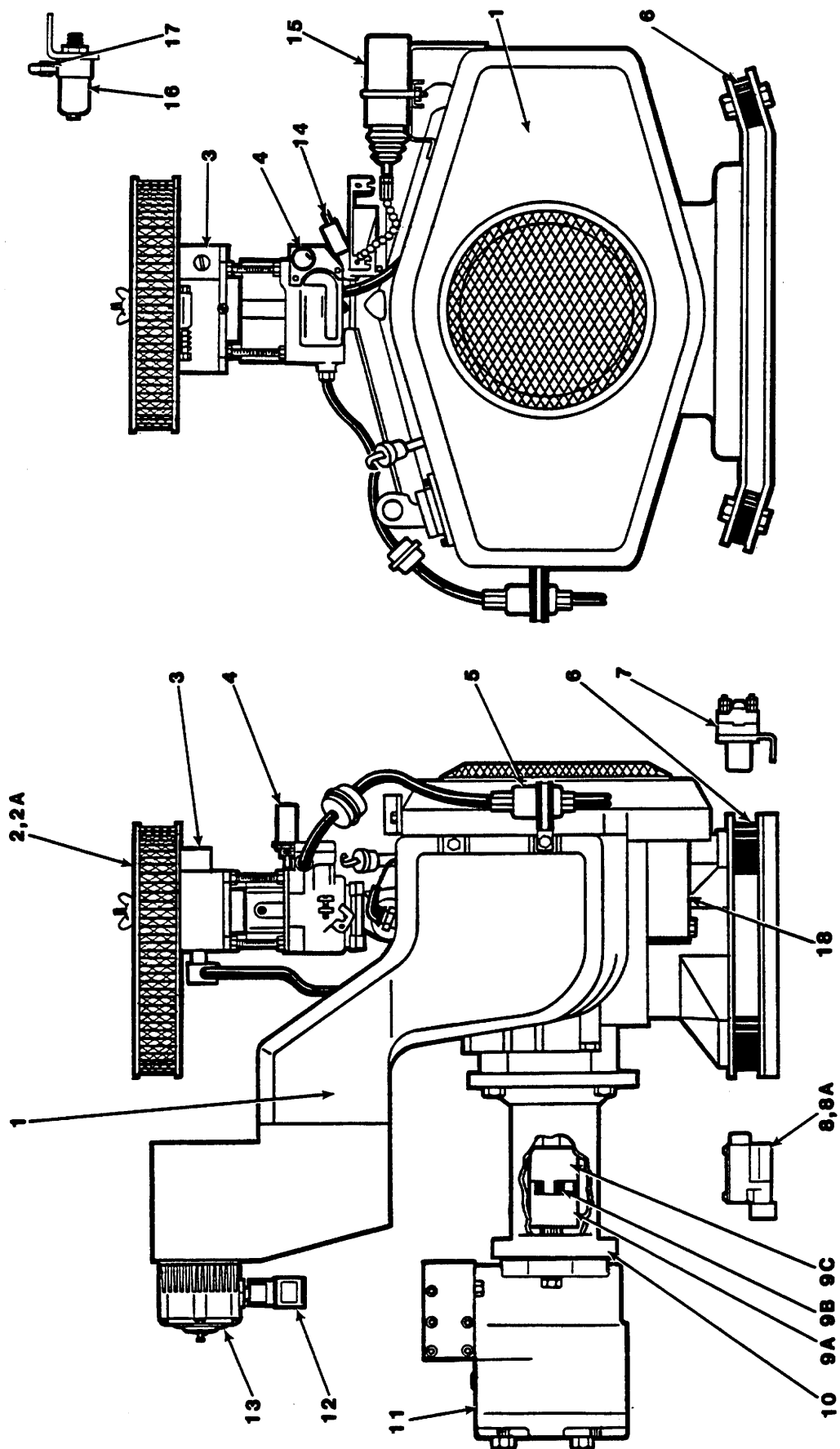
0687/0487

DESCRIPTION

GROUND CONTROL BOX (GAS)

PART NO.

[illegible]PART
NO.



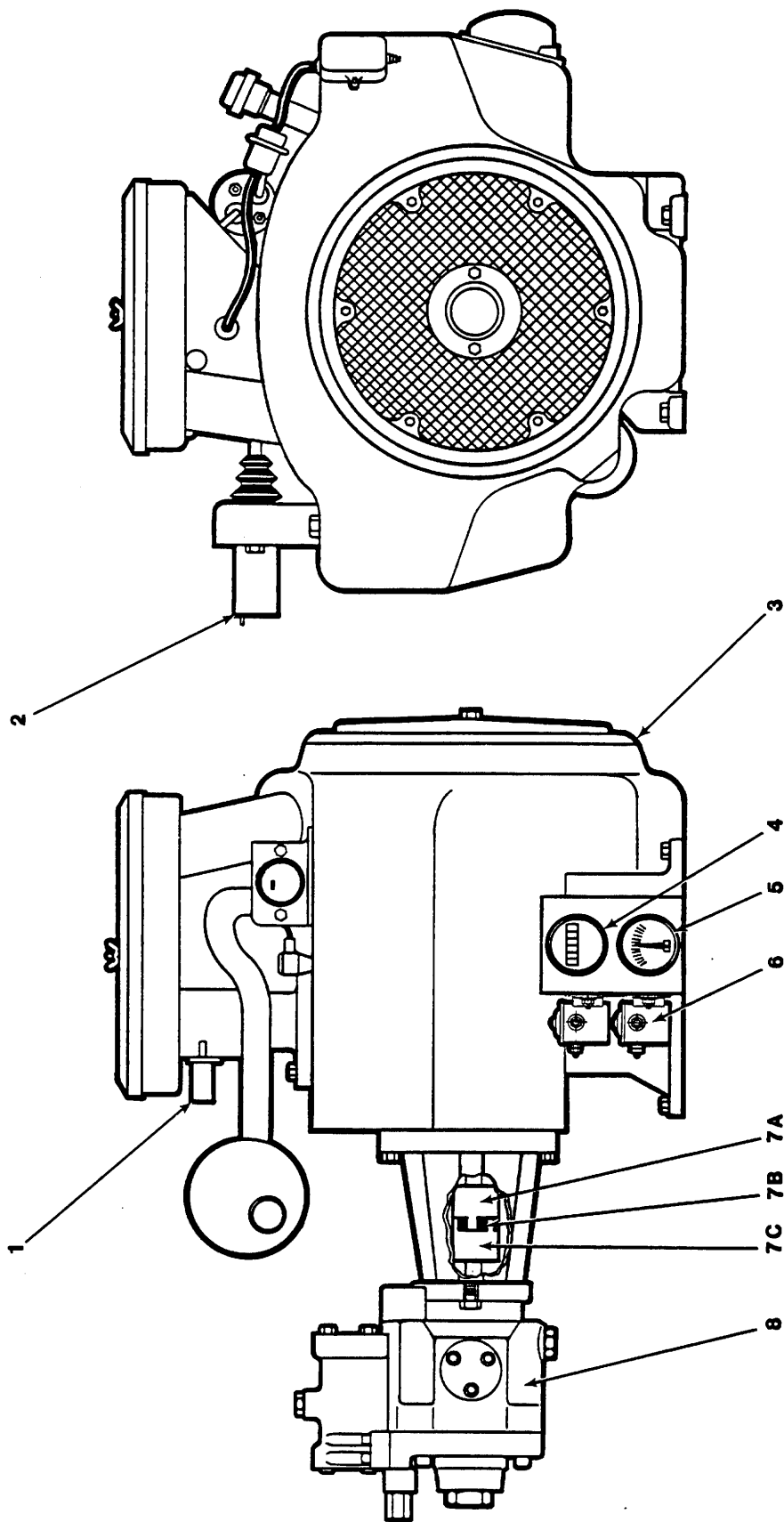
DESCRIPTION

DUAL FUEL ENGINE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-414400		SOLENOID, CHOKE	1
2	03-414500		SOLENOID, THROTTLE	1
3	09-031000		GAS ENGINE (ONAN MODEL #T260G-GA024 24HP)	1
4	03-030500		HOURLMETER	1
5	03-030400		AMMETER	1
6	03-051300		RELAY	1
7A	02-018800		COUPLING HALF, ENGINE	1
7B	02-018200		COUPLING INSERT	1
7C	02-018000		COUPLING HALF, PUMP	1
8	01-073100		HYDRAULIC PUMP	1
DESCRIPTION			GAS ENGINE ASSEMBLY	PART NO.



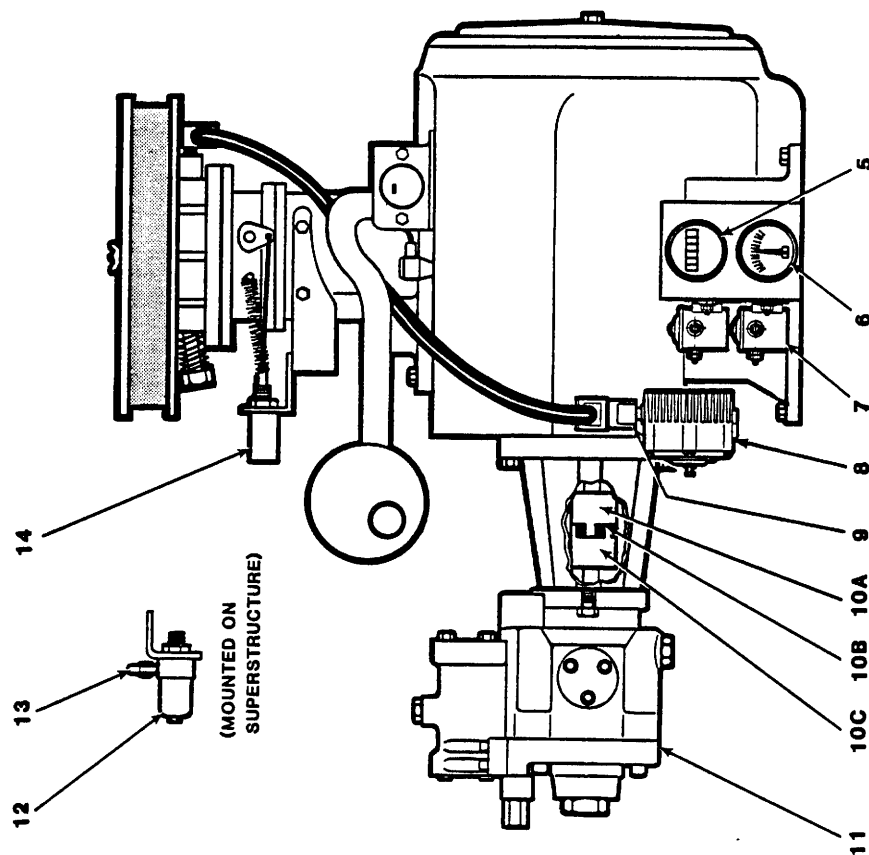
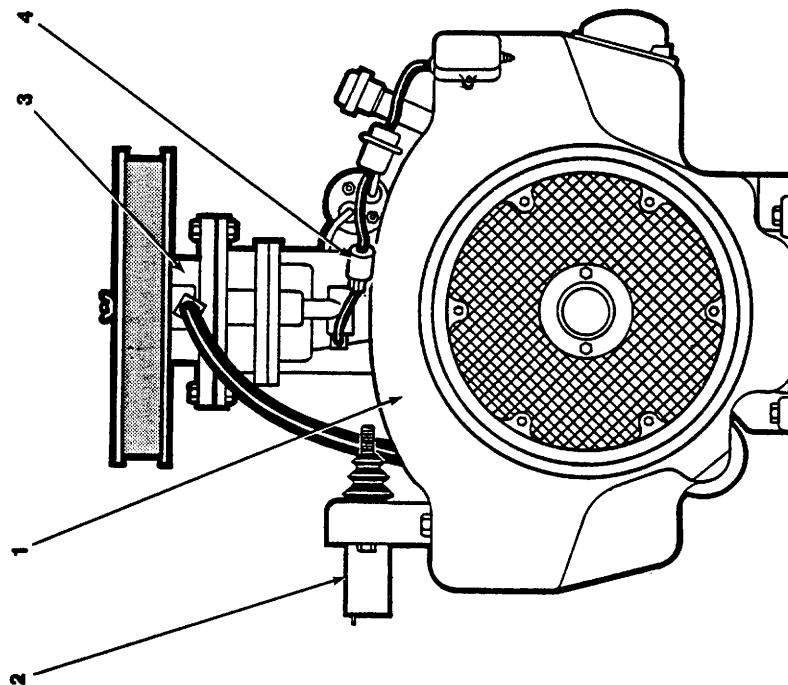
DESCRIPTION

GAS ENGINE ASSEMBLY

PART NO.

PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	09-031800		2 CYL.ENGINE (ONAN MODEL T260G, 24 HP)	1
2			SOLENOID, THROTTLE	1
3			PROPANE CARBURETOR	1
4	09-017100		FUEL SHUTOFF VALVE	1
5	03-030500		HOURLMETER	1
6	03-030400		AMMETER	1
7	03-051300		RELAY	1
8	09-017200		PROPANE CONVERTER (VAPORIZER)	1
9	09-028800		PROPANE SHUTOFF VALVE	1
10A	02-018800		COUPLING HALF, ENGINE	1
10B	02-018200		COUPLING INSERT	1
10C	02-018000		COUPLING HALF, PUMP	1
11	01-073100		HYDRAULIC PUMP	1
12	09-028700		PROPANE FILTER	1
13	09-002000		PROPANE RELIEF VALVE	1
14	03-414400		SOLENOID, CHOKE	1
DESCRIPTION			DUAL FUEL ENGINE ASSEMBLY	PART NO.



DESCRIPTION DUAL FUEL ENGINE ASSEMBLY	PART NO.
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	03-407500		SWITCH, 3 POSITION ROTARY (for Superstructure rotate and Platform level functions) (Center position maintained, left & right momentary contact)	2
2	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and two normally open contact blocks)	6
3	03-407700		HOUSING, CONTACT BLOCK	1
4	03-409800		SWITCH, PUSH BUTTON (Emergency stop) (Red 40 mm dia. head, "twist to release" style)	1
5	03-409900		BASE AND CONTACT BLOCK ASSEMBLY (includes base and one normally closed contact block)	1
6	03-409700		CONTROL, JOYSTICK (Boom functions)	3
6a	03-409701		TIP, RUBBER	1
6b	03-409702		HANDLE, JOYSTICK	1
6c	03-409703		BOOT, JOYSTICK	1
7	03-409500		BLOCK, CONTACT (normally closed)	6
8	03-409600		BLOCK, CONTACT (normally open)	2
9	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
10	03-410000		SWITCH, 2 POSITION ROTARY (Lift/ Drive selector) (2 maintained contact)	1
11	03-410100		BASE AND CONTACT BLOCK ASSEMBLY (includes base, one normally open and one normally closed contact block)	1
12	03-409500		BLOCK, CONTACT (normally closed)	A.R.
	03-409600		BLOCK, CONTACT (normally open)	A.R.
13	03-422400	29.01	HANDLE, DRIVE CONTROLLER	1
14	03-422500		BASE, DRIVE CONTROLLER HANDLE	1
15	03-412300		STRIP, TERMINAL (12 pole, 20 Amp)	1
16	03-061800		DIODE (600 Volt)	2
17	10-083400		ENCLOSURE, PLATFORM CONTROL CONSOLE	1
18	10-083500		DECAL, PLATFORM CONTROL	1
19	10-083600		COVER, PLATFORM CONTROL CONSOLE	1
20	03-410800		SWITCH, LIMIT (slip on terminals)	3
21	03-422600		CAM, SWITCH	3
22	03-411600		DRIVE CONTROLLER ASSEMBLY	1
22a	03-411601		SWITCH, OPTIC	1
23	10-083300		CLAMP, CABLE	6
24	10-084000		KNOB, POTENTIOMETER (Function speed)	1

TITLE PLATFORM CONTROL CONSOLE ASSEMBLY, EAGLE 32/21 ELECTRIC

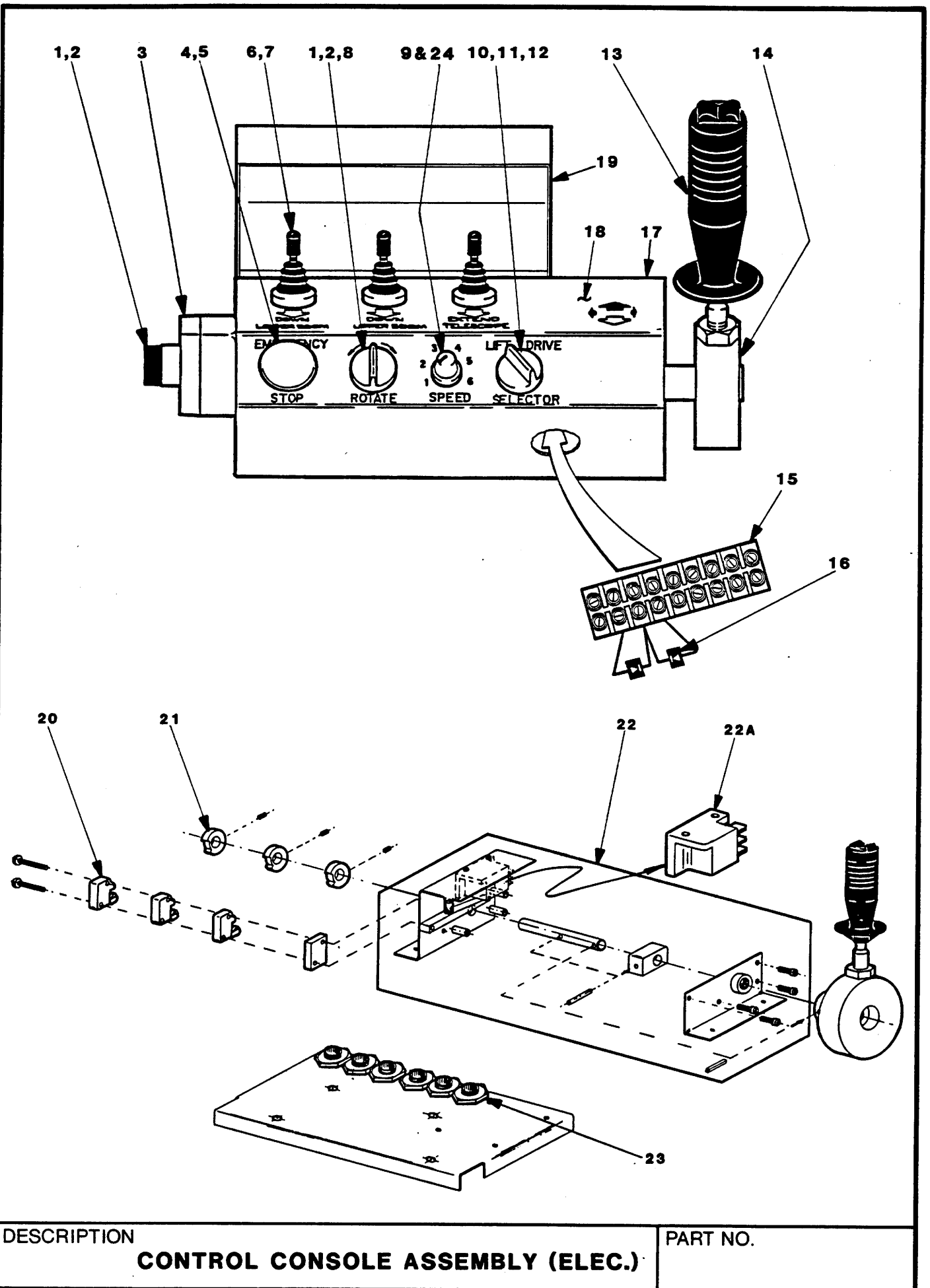
PLATE
NO.

09.01

SIMON AERIALS INC.

REV. 11 AUG., 1993
(TEXT PAGE ONLY)

PART
NO.



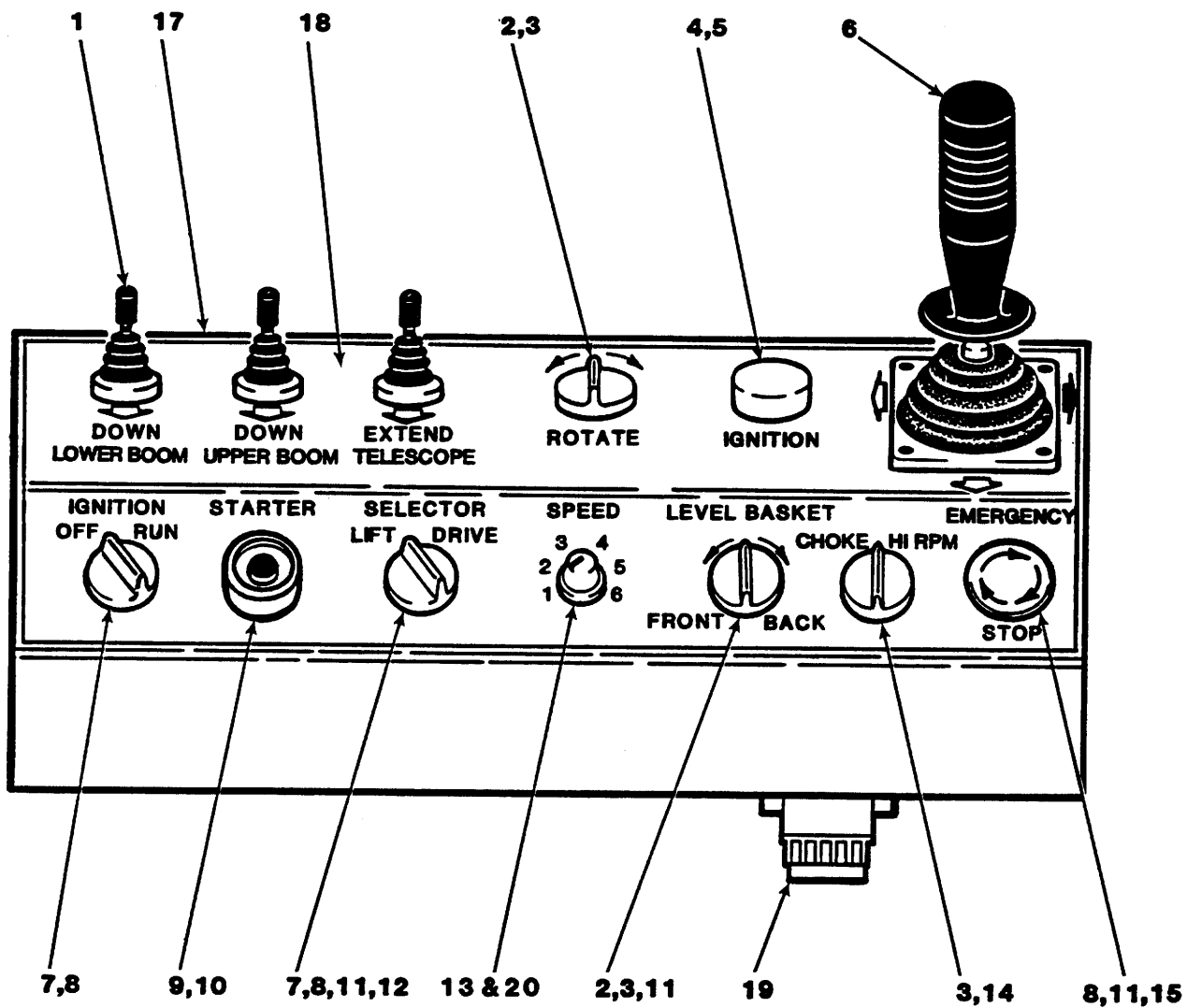
PARTS LIST

ITEM	PART NO.	SEC.	DESCRIPTION	QTY.
1	03-409700		JOYSTICK OPERATOR (RUBBER TIPS #03-409701)	3
2	03-407500		SELECTOR SWITCH OPERATOR	2
3	03-407600		MOUNTING BASE & CONTACTS (2N.C.)	2
4	03-410300		PILOT LIGHT LENS	1
5	03-409400		LIGHT BASE & CONTACT	1
6	03-421500		DRIVE/STEER JOYSTICK CONTROLLER	1
7	03-410000		SELECTOR SWITCH OPERATOR	2
8	03-410100		MOUNTING BASE & CONTACTS (1N.O. 1 N.C.)	2
9	03-421900		PUSH BUTTON OPERATOR	1
10	03-421800		MOUNTING BASE & CONTACT (1N.O.)	1
11	03-409600		CONTACT (N.O.)	3
12	03-409500		CONTACT (N.C.)	1
13	03-411100		POTENTIOMETER	1
14	03-411700		SELECTOR SWITCH OPERATOR	1
15	03-409800		EMERGENCY STOP SWITCH OPERATOR	1
16				
17	10-083700		ENCLOSURE	1
18	10-083800		DECAL, CONTROL CONSOLE	1
19	03-407200		MOVEMENT / TILT ALARM HORN	1
20	10-084000		KNOB, SPEED POTENTIOMETER	1

DESCRIPTION

CONTROL CONSOLE ASSEMBLY (GAS)

PART NO.



DESCRIPTION

CONTROL CONSOLE ASSEMBLY (GAS)

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	10-086100		ENCLOSURE, PLATFORM CONTROL CONSOLE	1
1a	10-086000		COVER, PLATFORM CONTROL CONSOLE	1
2	03-409700		CONTROL, JOYSTICK (Boom functions)	3
2a	03-409701		TIP, RUBBER	1
2b	03-409702		HANDLE, JOYSTICK	1
2c	03-409703		BOOT, JOYSTICK	1
3			Key number not assigned	
4	03-422400	29.01	HANDLE, DRIVE CONTROLLER	1
5	03-407500		SWITCH, 3 POSITION ROTARY	
			(for Superstructure rotate and Platform level functions)	
			(Center position maintained, left & right momentary contact)	2
6	03-407600		BASE AND CONTACT BLOCK ASSEMBLY	
			(includes base and two normally open contact blocks)	4
7	03-410000		SWITCH, 2 POSITION ROTARY (Lift/ Drive selector)	
			(2 maintained contact)	1
8	03-454900		BASE, CONTACT BLOCK (Supersedes Base and Contact Block Ass'y. 03-410100. Order contact blocks separately)	2
9	03-409600		BLOCK, CONTACT (normally open)	1
10	03-409500		BLOCK, CONTACT (normally closed)	2
11	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
12	10-084000		KNOB, POTENTIOMETER (Function speed)	1
13	03-409400		BASE, PILOT LIGHT (7 contact)	1
14	03-410300		LENS, PILOT LIGHT (Blue)	1
14a	03-409401		BULB, PILOT LIGHT (12 Volt DC)	1
15	03-409800		SWITCH, PUSH BUTTON (Emergency stop)	
			(Red 40 mm dia. head, "twist to release" style)	1
16	03-411700		SWITCH, 3 POSITION ROTARY (Engine "Hi/ Lo/ Choke")	
			(Left momentary, center and right maintained contact)	1
17	10-106100		DECAL, PLATFORM CONTROL	1
18	03-412300		STRIP, TERMINAL (12 pole, 20 Amp)	2
19	03-061800		DIODE (600 Volt)	9
20			Key number not assigned	
21	03-422600		CAM, SWITCH	3
22	03-410800		SWITCH, LIMIT (slip on terminals)	3
23	03-425900		DRIVE CONTROLLER ASSEMBLY	1
24	03-424900		POTENTIOMETER (350 Ohm)	1
25			GEAR, SECTOR	1
26			GEAR, PINION	1
27	10-083300		CLAMP, CABLE	6

TITLE PLATFORM CONTROL CONSOLE ASSEMBLY, EAGLE 32/21 FUEL

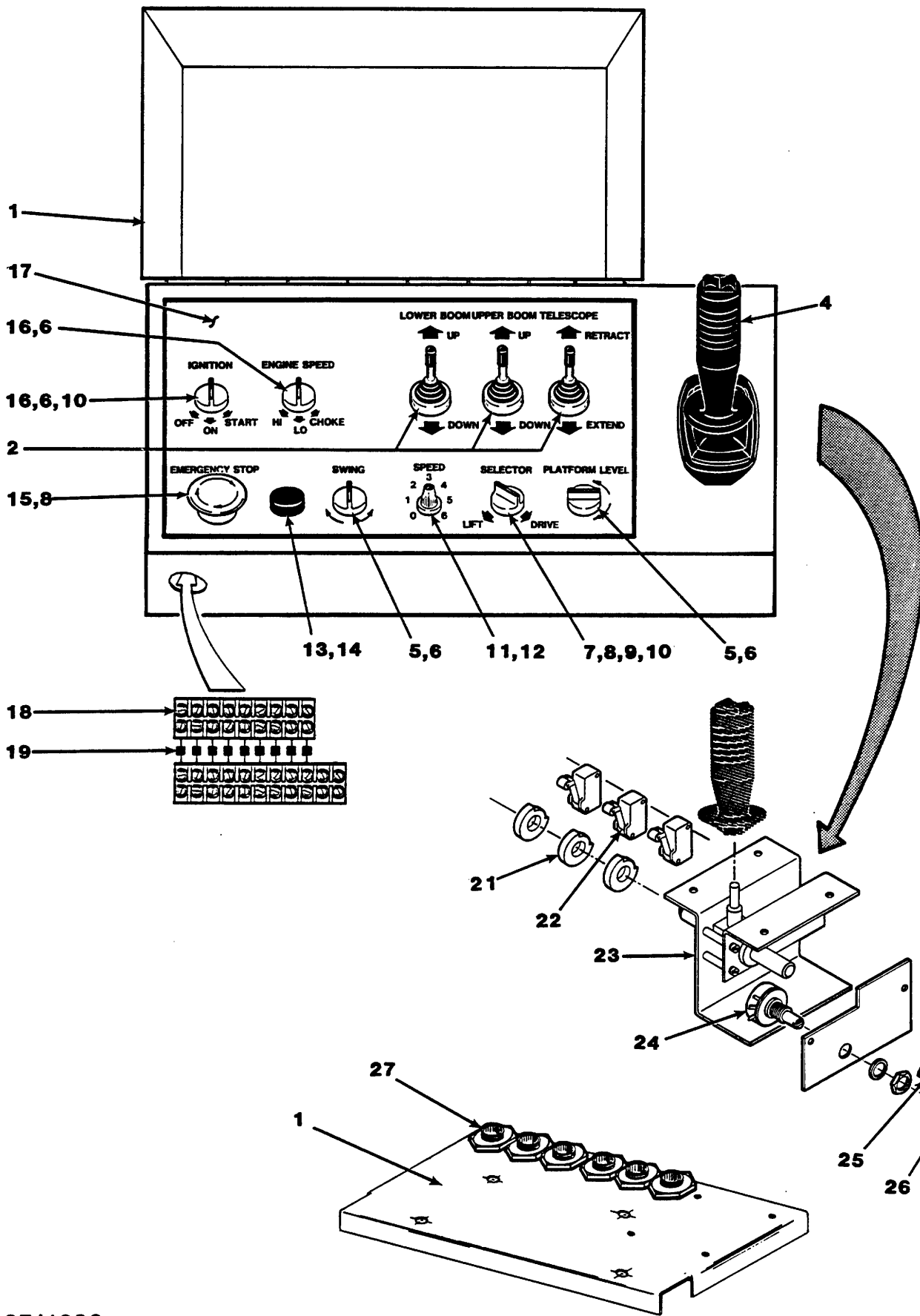
PLATE NO.

09.04

SIMON AERIALS INC.

REV. 08 SEP., 1993
(TEXT PAGE ONLY)

PART NO.



0387/1286

DESCRIPTION

CONTROL CONSOLE ASSEMBLY (GAS)

PART NO.

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	10-085900		ENCLOSURE, PLATFORM CONTROL CONSOLE	1
1a	10-086000		COVER, PLATFORM CONTROL CONSOLE	1
2	03-409700		CONTROL, JOYSTICK (Boom functions)	3
2a	03-409701		TIP, RUBBER	1
2b	03-409702		HANDLE, JOYSTICK	1
2c	03-409703		BOOT, JOYSTICK	1
3			Key number not assigned	
4	03-422400	29.01	HANDLE, DRIVE CONTROLLER	1
5	03-407500		SWITCH, 3 POSITION ROTARY	
			(for Superstructure rotate and Platform level functions)	
			(Center position maintained, left & right momentary contact)	2
6	03-407600		BASE AND CONTACT BLOCK ASSEMBLY	
			(includes base and two normally open contact blocks)	3
7	03-410000		SWITCH, 2 POSITION ROTARY (Lift/ Drive selector)	
			(2 maintained contact)	1
8	03-454900		BASE, CONTACT BLOCK (Supercedes Base and Contact	
			Block Ass'y. 03-410100. Order contact blocks separately)	2
9	03-409600		BLOCK, CONTACT (normally open)	1
	03-409500		BLOCK, CONTACT (normally closed)	1
10	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
11	10-084000		KNOB, POTENTIOMETER (Function speed)	1
12	03-409600		BLOCK, CONTACT (normally open)	1
13	03-409800		SWITCH, PUSH BUTTON (Emergency stop)	
			(Red 40 mm dia. head, "twist to release" style)	1
14	03-409900		BASE AND CONTACT BLOCK ASSEMBLY	
			(includes base and one normally closed contact block)	1
15	10-107600		DECAL, PLATFORM CONTROL	1
16	03-061800		DIODE (600 Volt)	2
17	03-412300		STRIP, TERMINAL (12 pole, 20 Amp)	1
18	03-422600		CAM, SWITCH	3
19	03-410800		SWITCH, LIMIT (slip on terminals)	3
20	03-424300		DRIVE CONTROLLER ASSEMBLY	1
21	03-411601		SWITCH, OPTIC	1
22	10-083300		CLAMP, CABLE	6

TITLE PLATFORM CONTROL CONSOLE ASSEMBLY, EAGLE 32/21 ELECTRIC

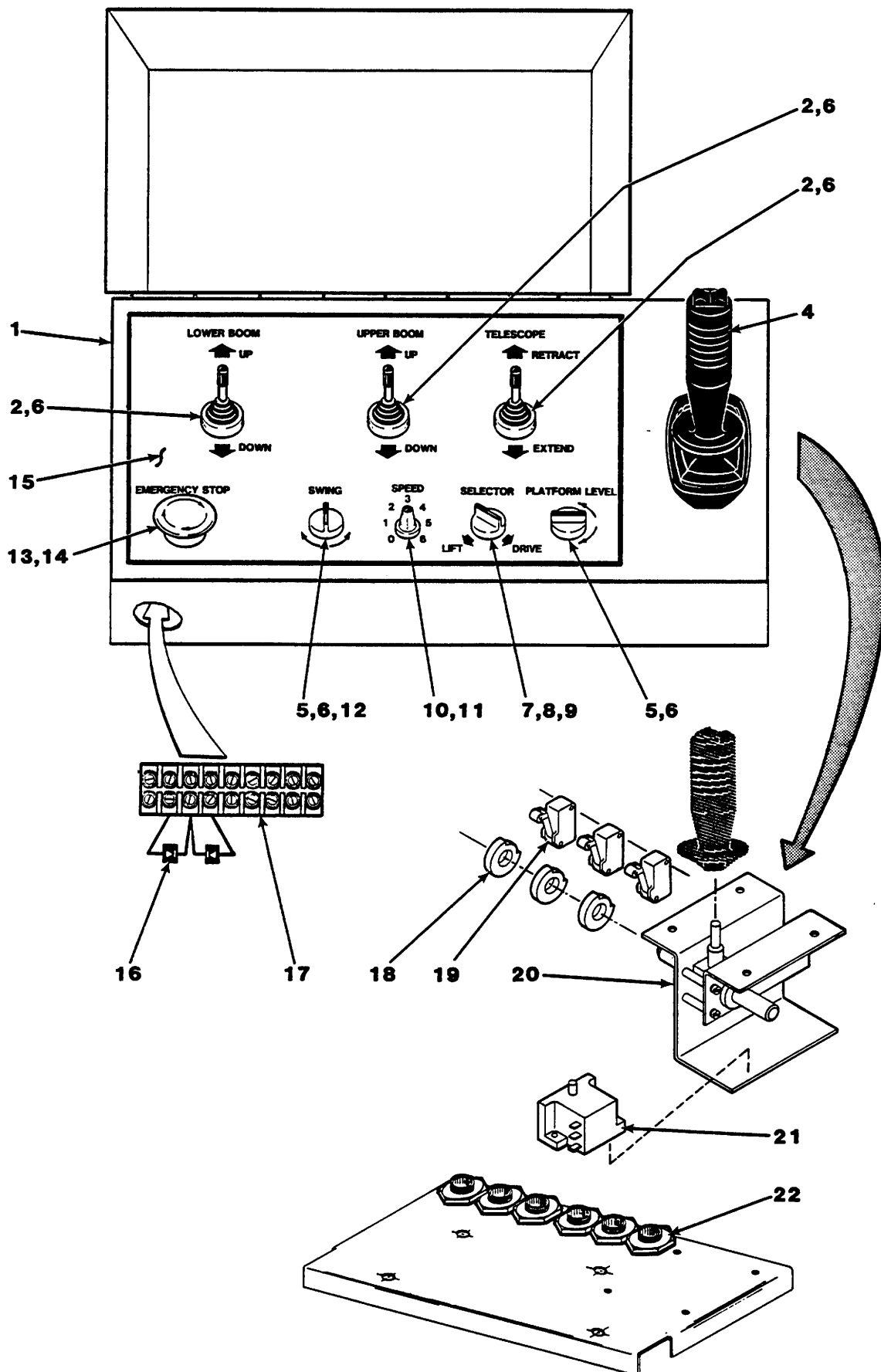
PLATE NO.

09.06

SIMON AERIALS INC.

REV. 08 SEP., 1993
(TEXT PAGE ONLY)

PART NO.



0387/1286

DESCRIPTION

CONTROL CONSOLE ASSEMBLY (ELEC.)

PART NO.

PARTS LIST

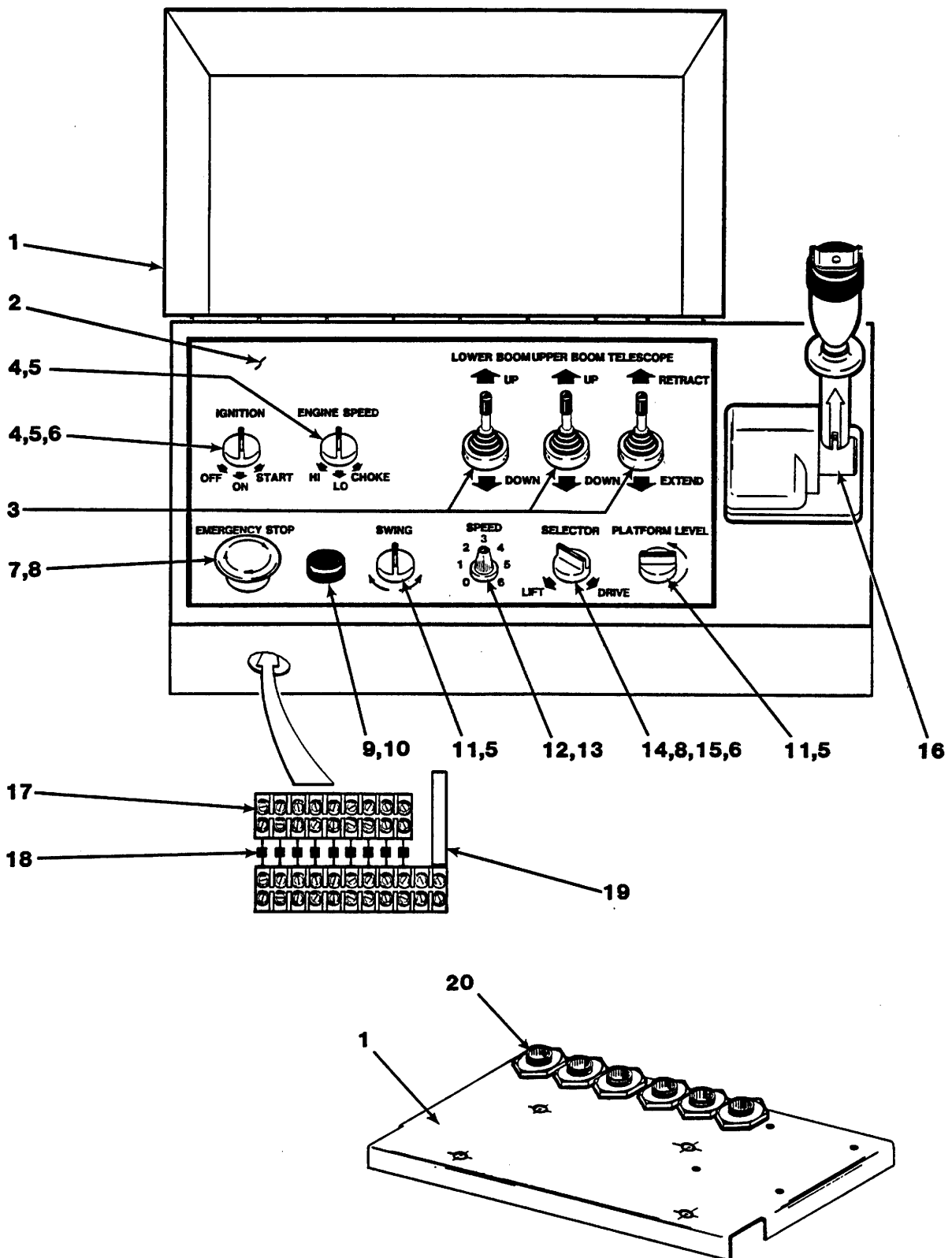
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	10-086100		ENCLOSURE, PLATFORM CONTROL CONSOLE	1
1a	10-086000		COVER, PLATFORM CONTROL CONSOLE	1
2	10-106100		DECAL, PLATFORM CONTROL	1
3	03-409700		CONTROL, JOYSTICK (Boom functions)	3
3a	03-409701		TIP, RUBBER	1
3b	03-409702		HANDLE, JOYSTICK	1
3c	03-409703		BOOT, JOYSTICK	1
4	03-411700		SWITCH, 3 POSITION ROTARY (for Ignition "Off/ On/ Start" and Engine "Hi/ Lo/ Choke") (Left momentary, center and right maintained contact)	2
5	03-407600		BASE AND CONTACT BLOCK ASSEMBLY (includes base and two normally open contact blocks)	4
6	03-409500		BLOCK, CONTACT (normally closed)	2
7	03-409800		SWITCH, PUSH BUTTON (Emergency stop) (Red 40 mm dia. head, "twist to release" style)	1
8	03-454900		BASE, CONTACT BLOCK (Supercedes Base and Contact Block Ass'y. 03-410100. Order contact blocks separately)	2
8a	03-409600		BLOCK, CONTACT (normally open)	2
8b	03-409500		BLOCK, CONTACT (normally closed)	2
9	03-409400		BASE, PILOT LIGHT (7 contact)	1
10	03-410300		LENS, PILOT LIGHT (Blue)	1
10a	03-409401		BULB, PILOT LIGHT (12 Volt DC)	1
11	03-407500		SWITCH, 3 POSITION ROTARY (for Superstructure rotate and Platform level functions) (Center position maintained, left & right momentary contact)	2
12	03-411100		POTENTIOMETER (100 Ohm) (Function speed)	1
13	10-088300		KNOB, POTENTIOMETER (Function speed)	1
14	03-410000		SWITCH, 2 POSITION ROTARY (Lift/ Drive selector) (2 maintained contact)	1
15	03-409600		BLOCK, CONTACT (normally open)	1
16	03-426400	29.02	DRIVE CONTROLLER ASSEMBLY	1
17	03-412300		STRIP, TERMINAL (12 pole, 20 Amp)	A.R.
18	03-061800		DIODE (600 Volt)	9
19	03-433000		RESISTOR (60 Ohm)	1
20	10-083300		CLAMP, CABLE	6

TITLE PLATFORM CONTROL CONSOLE ASSEMBLY, EAGLE 32/21 FUEL

PLATE NO. 09.07 **SIMON AERIALS INC.**

REV. 08 SEP., 1993
(TEXT PAGE ONLY)

PART NO.



DESCRIPTION

CONTROL CONSOLE ASSEMBLY (GAS)

PART NO.

[illegible]

TITLE					SCR CONTROL BOARD, EAGLE ELECTRIC (EARLY VERSION)					
PLATE NO.		10.01		SIMON AERIALS INC.			REV. 08 SEP., 1993 (TEXT PAGE ONLY)		PART NO.	

PLATE NO.	10.01
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PART
NO.

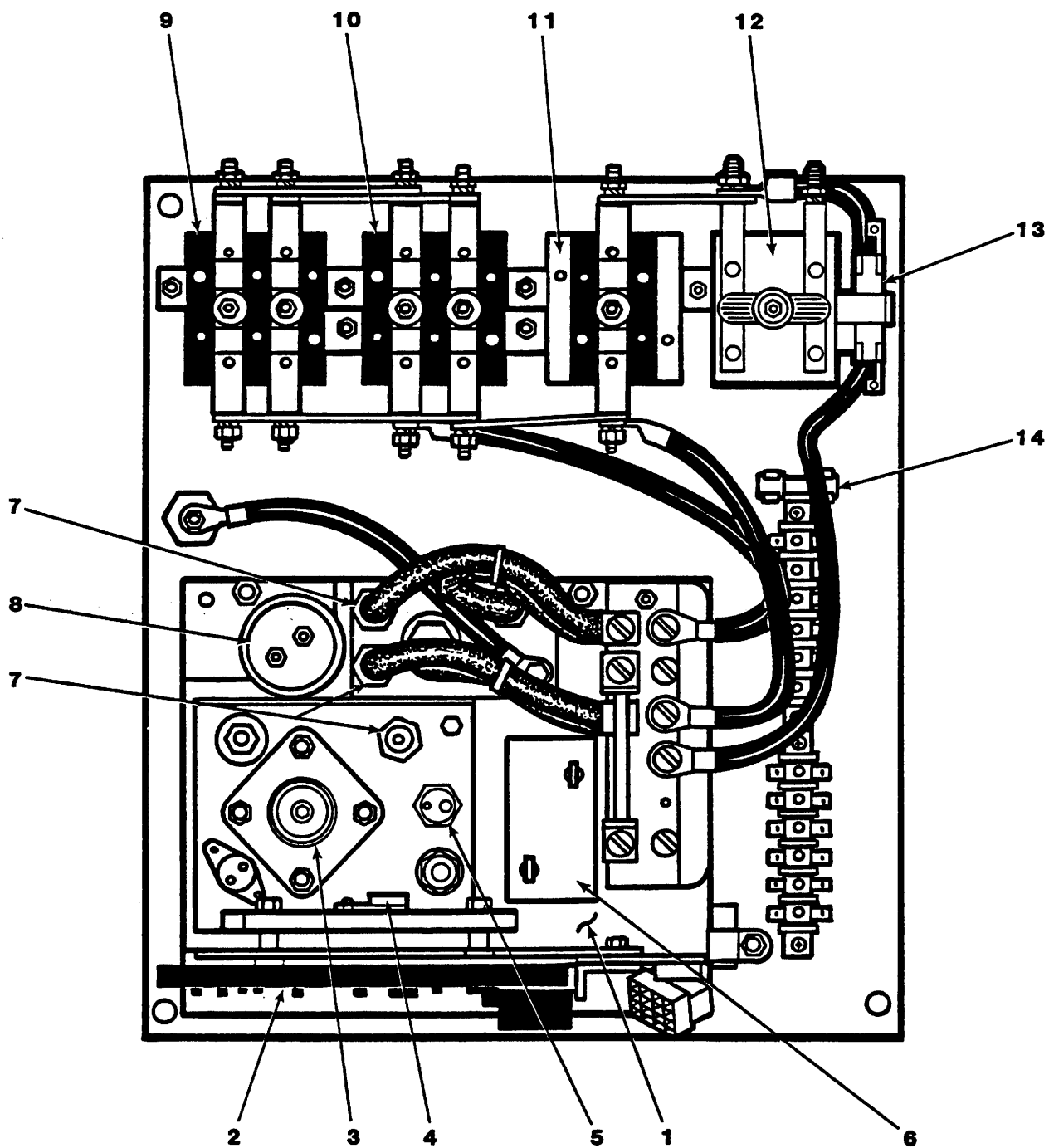


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[illegible]

TITLE					SCR CONTROL BOARD, EAGLE ELECTRIC (LATER VERSION)					
PLATE NO.		10.02		SIMON AERIALS INC.			REV. 08 SEP., 1993 (TEXT PAGE ONLY)		PART NO.	

PART
NO.



DESCRIPTION

SCR CONTROL BOARD ASSEMBLY

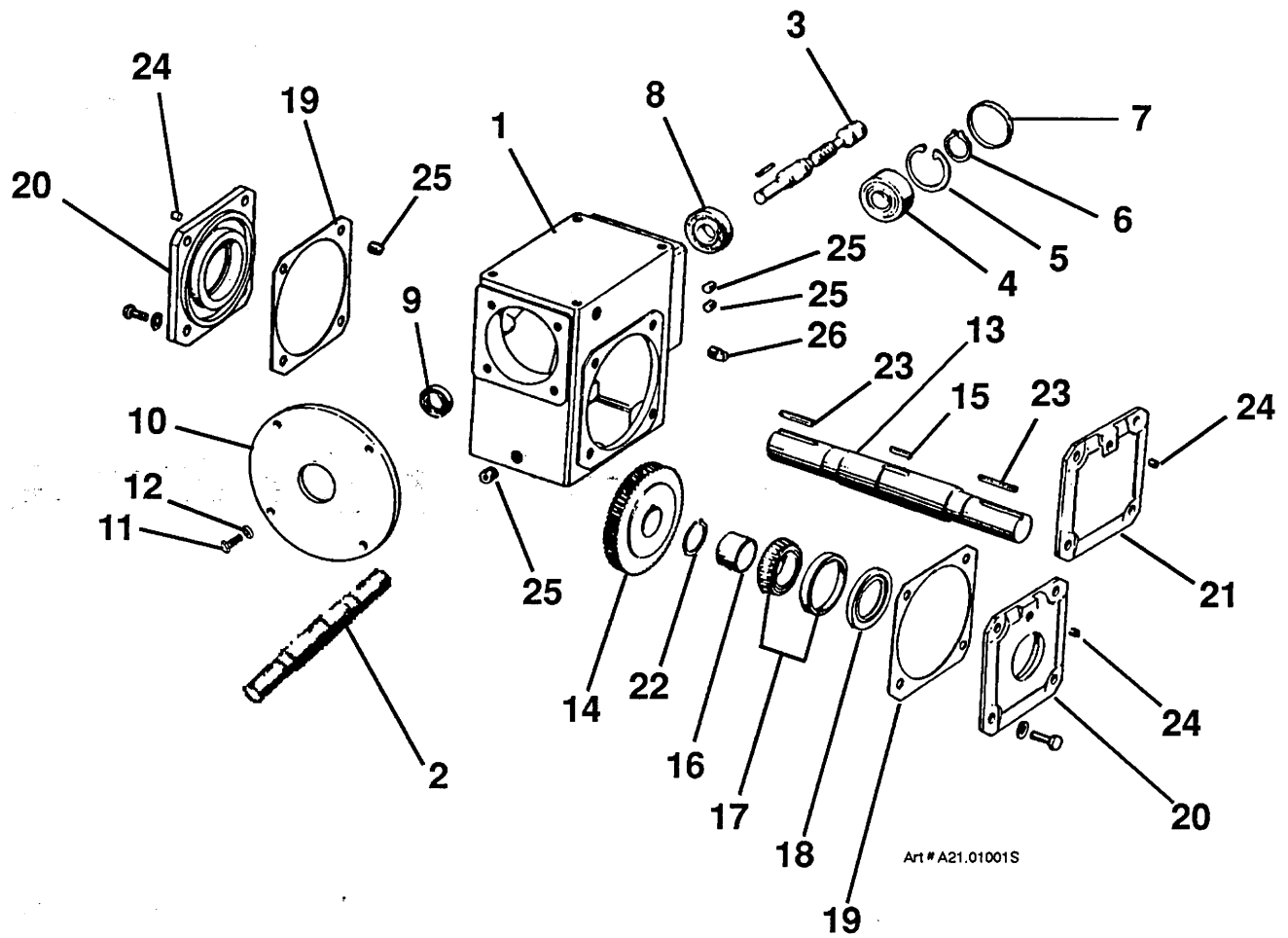
PART NO.

[illegible]

PLATE NO.	21.01	SIMON AERIALS INC.	REV. 11/20/91	PART NO.	02-012400
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REV. 11/20/91

PART NO.	02-012400
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Art # A21.01001S

TITLE PLATFORM ROTATOR (40:1 WORM SPEED REDUCER)

SIMON AERIALS INC.

REV. 11/20/91

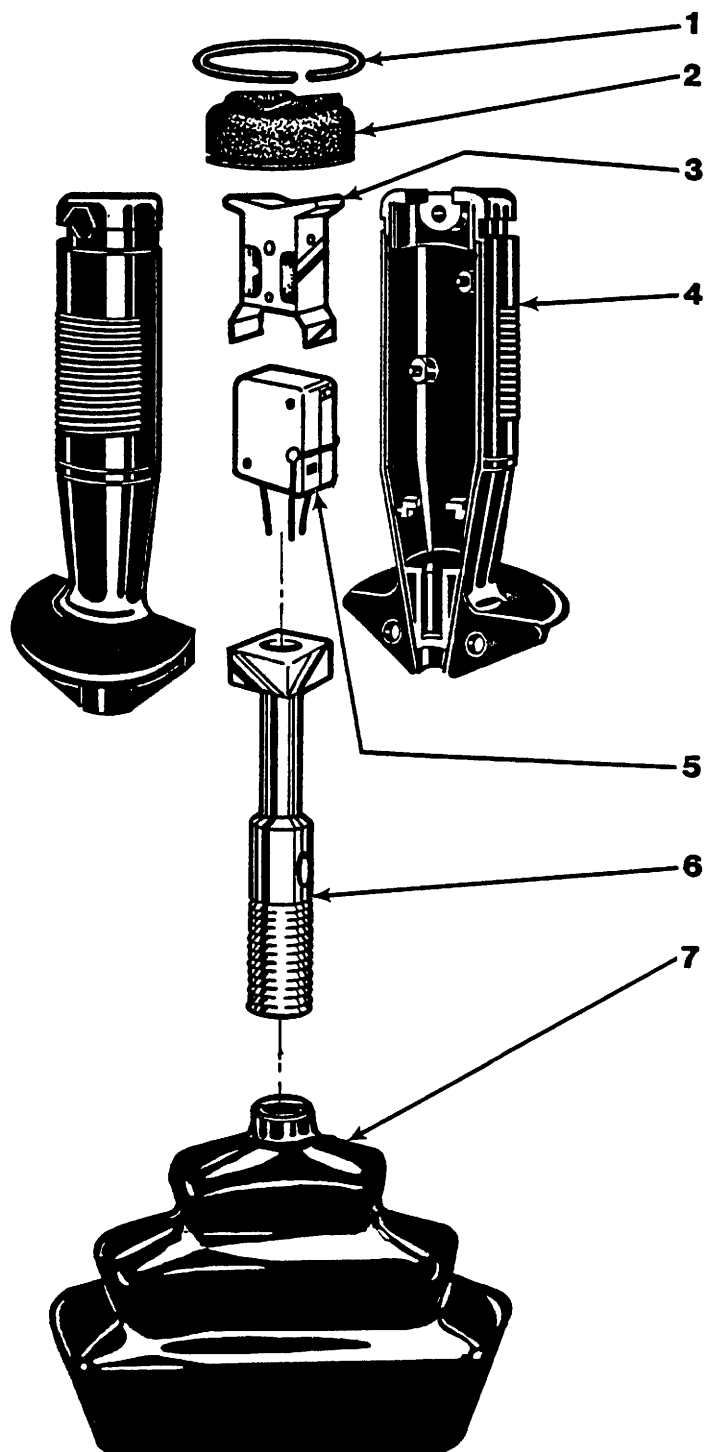
PART NO. 02-012400

PLATE NO. 21.01

[illegible]

JOYSTICK, DRIVE CONTROLLER

03-422400



DESCRIPTION

JOYSTICK - DRIVE CONTROLLER

PART NO.

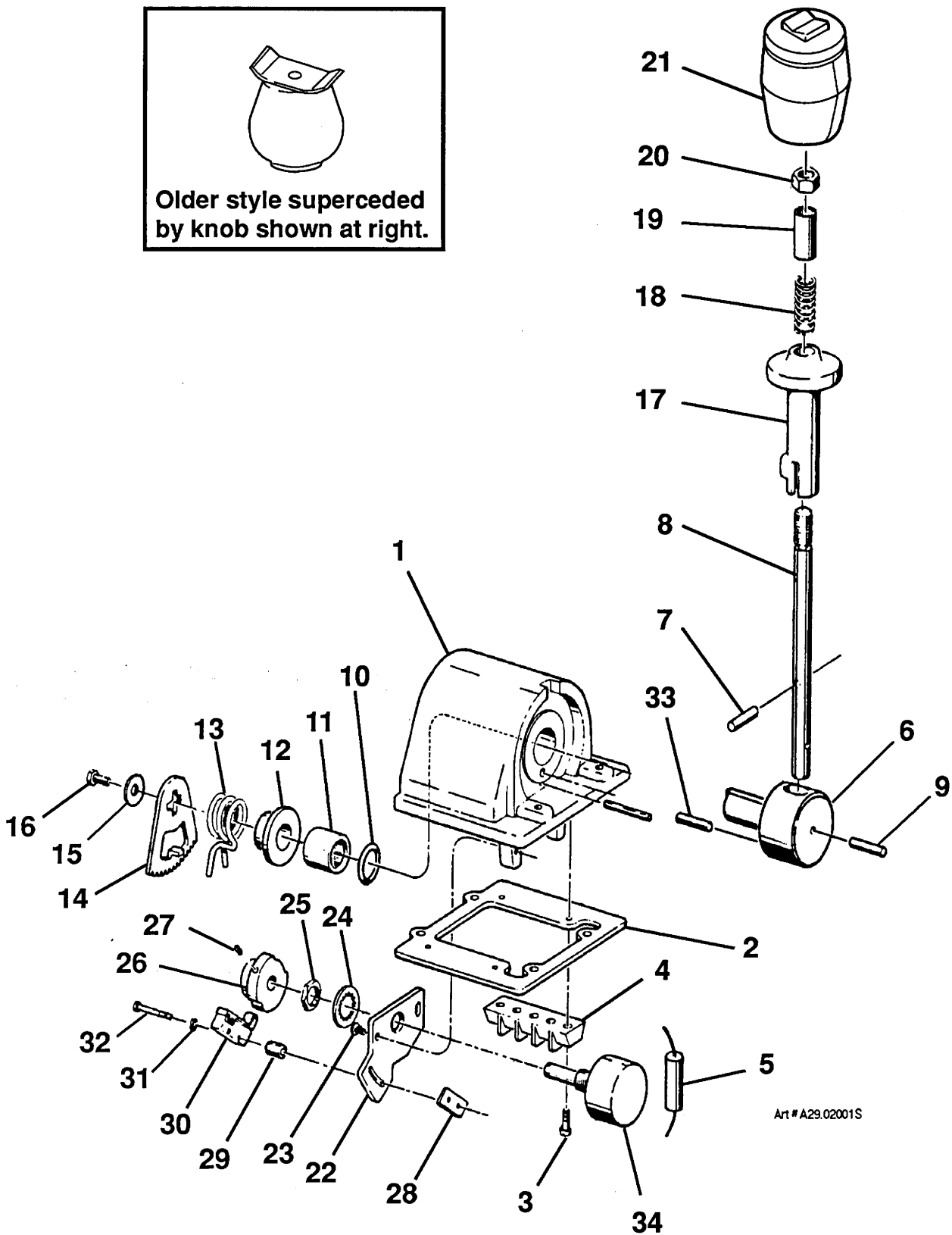
03-422400

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3515850		DRIVE CONTROLLER ASSEMBLY (for fuel operated versions. Includes item 34)	1
	3515860		(for electric operated versions. Includes item 34)	1
1	03-426400		DRIVE CONTROLLER (does not include item 34)	1
2	03-027229		HOUSING, DRIVE CONTROLLER	1
3			GASKET, PANEL	1
4	03-426406		MACHINE SCREW, FILLISTER HEAD (#6-32 x 1/2")	4
5	03-061900		BLOCK, TERMINAL	2
6	03-426405		DIODE	1
7	03-027218		HANDLE, CONTROL	1
8			PIN	1
9			EXTENSION, CONTROL HANDLE	1
10			PIN, GROOVED	1
11			"O"- RING	1
12	03-027233		BEARING, LOW FRICTION	1
13	03-027232		GUIDE, SPRING	1
14	03-027234		SPRING, TORSION	1
15			SECTOR, GEAR	1
16			WASHER, FLAT (SAE)	1
17	03-027221		MACHINE SCREW, HEX HEAD	1
18	03-027215		SLIDE LOCK, CONTROL HANDLE	1
19	03-027219		SPRING, SLIDE LOCK	1
20			SLEEVE, HANDLE	1
21	03-426407		NUT, HEX	1
22			GRIP ASSEMBLY, ROCKER SWITCH	1
23			PLATE, POTENTIOMETER MOUNTING	1
24			MACHINE SCREW, PAN HEAD	2
25			WASHER, LOCK	1
26	03-426404		NUT, HEX	1
27			SPUR GEAR AND CAM	1
28			SET SCREW, HEX SOCKET	1
29			PLATE, FASTENER	1
30	03-037400		SPACER	2
31			SWITCH, ROLLER LEVER	2
32			(supercedes part #s 03-027217 and 03-426402)	2
33			WASHER, LOCK	2
34	03-432000		MACHINE SCREW, FILLISTER HEAD	2
	03-451700		PIN, GROOVED	1
			POTENTIOMETER (250 Ohm) (for fuel units)	1
			POTENTIOMETER (25 K Ohm) (for electric units)	1

TITLE DRIVE CONTROLLER ASSEMBLY (JOY STICK)

PLATE NO. 29.02 **SIMON AERIALS INC.** REV. 23 AUG., 1993 PART NO. 03-426400



Art # A29.02001S

TITLE DRIVE CONTROLLER ASSEMBLY (JOY STICK)

SIMON AERIALS INC.

REV. 23 AUG., 1993

PART NO. 03-426400

PLATE NO. 29.02