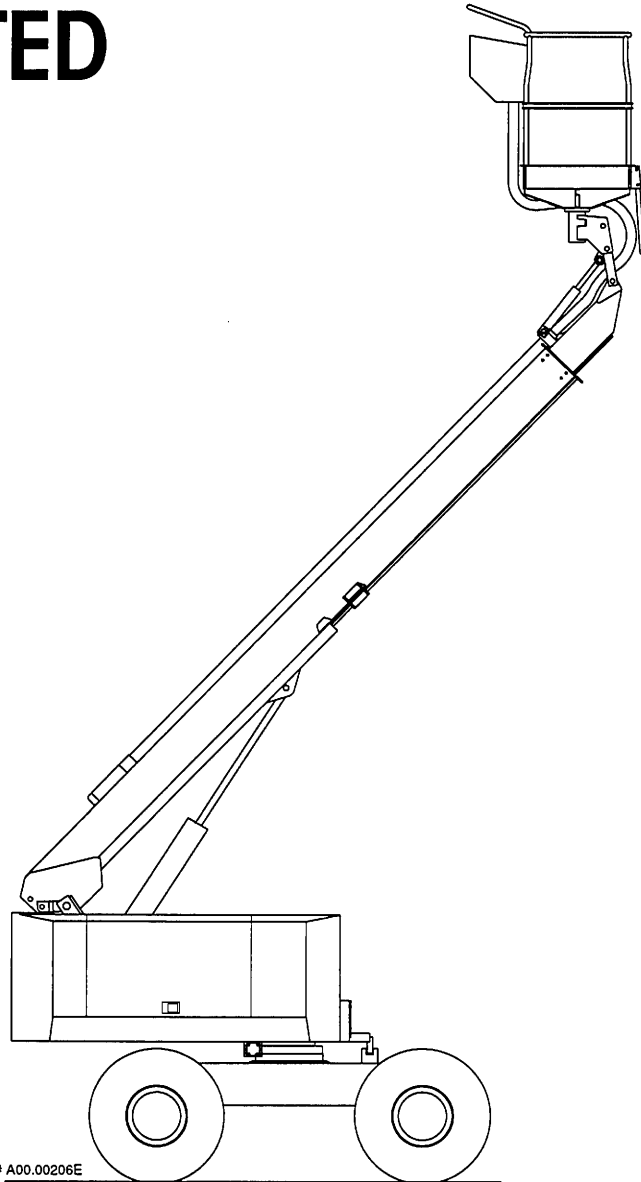


TRAILBLAZER 40

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art # A00.00206E

Part No. 89-240005 • Rev. "0.11" dated April 1997 •

TABLE OF CONTENTS

INTRODUCTION

PRIMARY MACHINE COMPONENT GROUPS

SECTION B 01: UNDERCARRIAGE

- B 01.101: UNDERCARRIAGE ASSEMBLY (WITH TYPE 1 AXLE)
- B 01.102: UNDERCARRIAGE ASSEMBLY (WITH TYPE 2 AXLE)

SECTION B 02: SUPERSTRUCTURE

- B 02.101: SUPERSTRUCTURE ASSEMBLY

SECTION B 03: BOOM

- B 03.101: BOOM ASSEMBLY

SECTION B 04: PLATFORM

- B 04.101: PLATFORM ASSEMBLY
- B 04.199: PLATFORM CONSOLE COVER

SECTION C: SUBASSEMBLIES

- C 02.101: PLATFORM VALVE BANK ASSEMBLY
- C 02.102: GROUND VALVE BANK ASSEMBLY
- C 02.103: HYDRAULIC MANIFOLD ASSEMBLY
- C 02.104: SHUTTLE VALVE ASSEMBLY
- C 03.101: GROUND CONTROL BOX ASSEMBLY
(EXCEPT WITH HATZ DIESEL ENGINE)
- C 03.102: GROUND CONTROL BOX ASSEMBLY
(WITH HATZ DIESEL ENGINE)
- C 04.101: WISCONSIN ENGINE ASSEMBLY
- C 04.102: FORD ENGINE ASSEMBLY
- C 04.103: DEUTZ ENGINE ASSEMBLY
- C 04.104: HATZ ENGINE ASSEMBLY
- C 04.109: ISUZU C-240 ENGINE ASSEMBLY
- C 06.06: REMOTE CONTROL PENDANT ASSEMBLY
- C 08.101: PLATFORM CONTROL CONSOLE
- C 12.101: MOTION CONTROL VALVE (WITH TYPE 1 AXLE)
- C 12.102: MOTION CONTROL VALVE (WITH TYPE 2 AXLE,
BUT WITHOUT CONTINUOUS ROTATION OPTION)
- C 12.103: MOTION CONTROL VALVE (WITH TYPE 2 AXLE,
AND WITH CONTINUOUS ROTATION OPTION)

TABLE OF CONTENTS (CONTINUED)

SECTION C: SUB ASSEMBLIES (CONTINUED)

- C 13.101: REAR AXLE ASSEMBLY (TYPE 1)
- C 13.102: REAR AXLE ASSEMBLY (TYPE 2)
- C 13.103: AXLE DISCONNECT CYLINDER

SECTION D: HYDRAULIC COMPONENTS

- D 01.101: STEER CYLINDER
- D 02.01: HYDRAULIC SWIVEL (WITH CONTINUOUS ROTATION)
- D 03.101: DRIVE MOTOR, FRONT (STEER) AXLE
- D 03.102: DRIVE MOTOR, REAR (NON-STEER) AXLE
- D 03.105: WHEEL MOTOR ASSEMBLY (FRONT)
- D 06.101: SWING MOTOR
- D 07.04: EMERGENCY HYDRAULIC PUMP ASSEMBLY
- D 08.13: MAIN HYDRAULIC PUMP ASSEMBLY
- D 08.15: MAIN HYDRAULIC PUMP ASSEMBLY
- D 09.101: BOOM LIFT CYLINDER
- D 10.101: MASTER LEVEL CYLINDER
- D 11.03: HYDRAULIC FILTER
- D 12.05: SIGHT GAUGE
- D 13.01: STEER AND HIGH SPEED DIRECTIONAL VALVE
- D 13.02: LOW SPEED DIRECTIONAL VALVE
- D 13.05: DIVERTER VALVE
- D 14.04: PLATFORM LEVEL AND ROTATE VALVE
- D 18.02: DRIVE/ STEER CONTROL VALVE ASSEMBLY
- D 18.101: DRIVE CONTROL VALVE ASSEMBLY
- D 19.101: TELESCOPE CYLINDER
- D 20.101: SLAVE LEVEL CYLINDER
- D 24.101: ROTARY ACTUATOR

SECTION E: ELECTRICAL COMPONENTS

- E 01.14: DRIVE CONTROL HANDLE ASSEMBLY
- E 05.01: OPTIONAL LIGHT PACKAGES
- E 09.01: MOBILE INTERCOM SYSTEM

SECTION F: MECHANICAL COMPONENTS

- F 02.101: SWING BEARING
- F 99.101: DECALS

INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON TRAILBLAZER 40 SELF-PROPELLED AERIAL WORK PLATFORMS. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure maximum SAFETY and PERFORMANCE.

Prices for all parts listed in this Catalog can be found in a separate Spare Parts Price List. Please contact Simon Aerials Parts Department for the latest edition of the Spare Parts Price List.

HOW TO USE THIS CATALOG

The Cover Page indicates the specific model or models covered by this Parts Catalog.

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to TRAILBLAZER 40 machines are included in this Catalog.

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

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

If a part number is followed by a plate number in the "SEE 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:

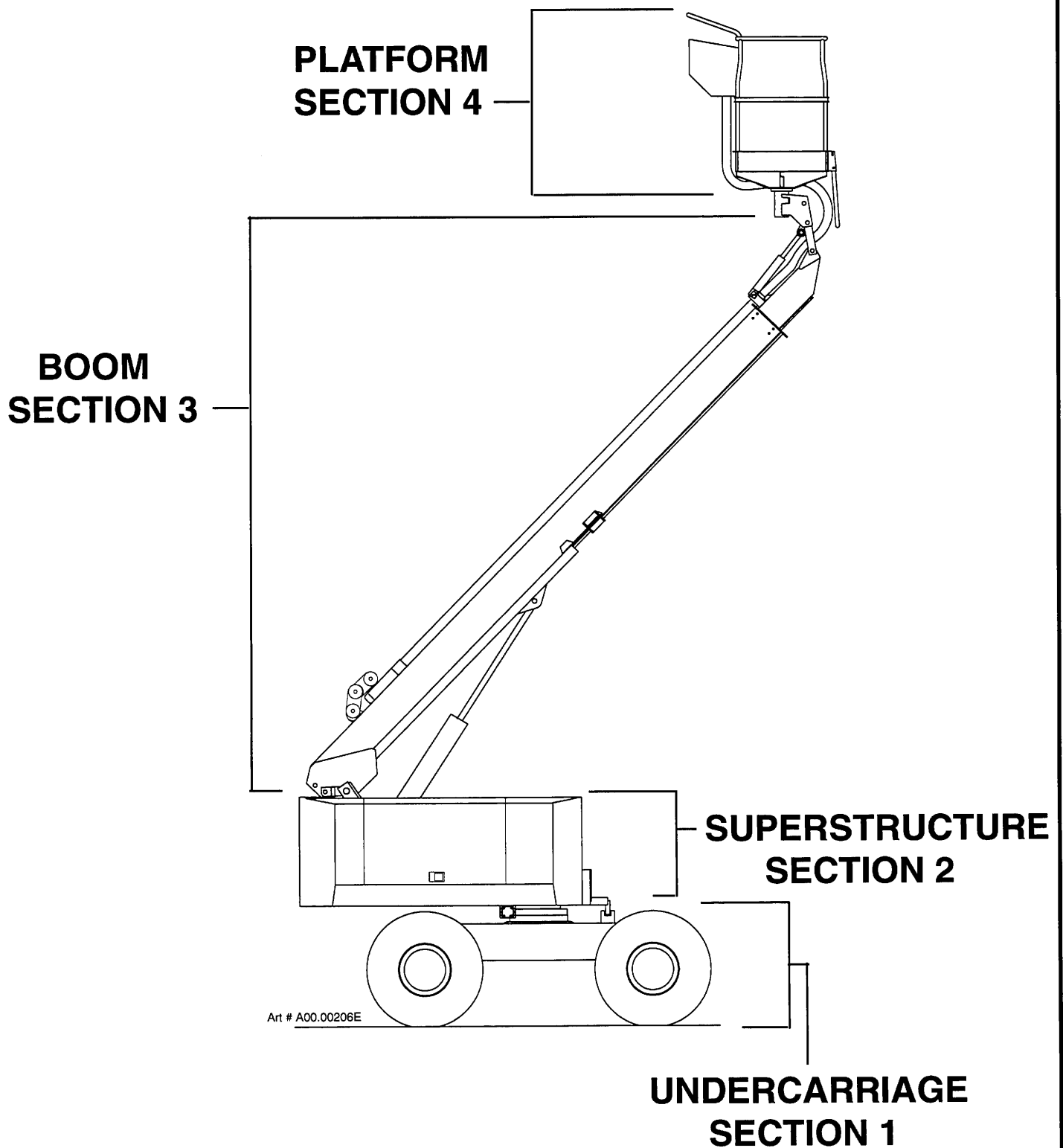
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

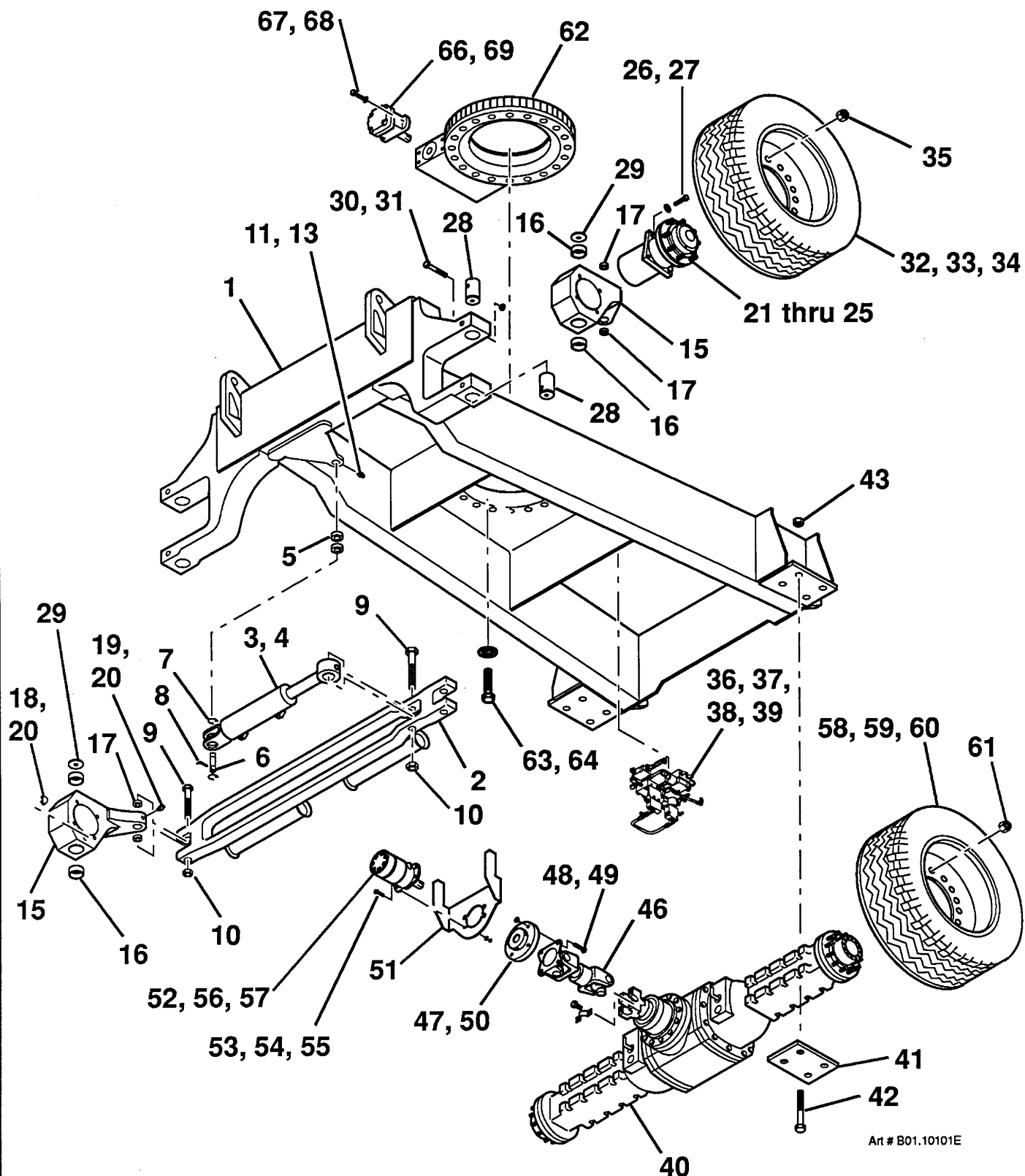
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
A-A	3528700		UNDERCARRIAGE ASSEMBLY (with "Type 1" axle) (for S/N APA 00102 through APA 00122)	
1	2198030		UNDERCARRIAGE WELDMENT	1
2	2300640		ROD, TIE	1
3	04-035200	D01.101	CYLINDER, STEER	1
4	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X-S)	2
5	08-070400		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	2
6	2192580		PIN (1" x 3-9/32") (Steer cylinder, base end)	1
7	08-040600		RING, RETAINING (External, 1")	2
8	2197360		PIN, "L" (for steer cylinder base end pin)	1
9	07-094300		CAP SCREW, HEX HEAD (1"-8 x 6", Grade 5)	3
10	07-090011		NUT, TOP LOCK (1"-8)	3
11	08-050000		FITTING, GREASE (1/8", Straight)	1
12	08-051300		FITTING, GREASE (1/8", 90°)	1
13	08-066300		CAP, GREASE FITTING (White plastic)	2
14	3530080		MOTOR HOUSING ASSEMBLY, FRONT (Right)	1
	3530090		MOTOR HOUSING ASSEMBLY, FRONT (Left)	1
15	2192230		MOTOR HOUSING, FRONT (Right)	1
	2192240		MOTOR HOUSING, FRONT (Left)	1
16	2197350		BEARING, SLEEVE (modified 08-069500) (Bronze, 2" I.D., 2-3/8" O.D., 1-1/2" long)	2
17	08-069600		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 3/4" long)	2
18	08-051300		FITTING, GREASE (1/8", 90°)	2
19	08-050000		FITTING, GREASE (1/8", Straight)	1
20	08-066300		CAP, GREASE FITTING (White plastic)	3
21	01-214500	D03.101	MOTOR, HYDRAULIC [4.5 in ³ (74 c.c.)] (incl. lug nuts)	1
22	06-040400		CONNECTOR, STRAIGHT THREAD (8-12 F50X-S)	1
23	06-044600		ELBOW, STRAIGHT THREAD (6 C50X-S)	1
24	06-047100		ELBOW, 45°, STRAIGHT THREAD (8 V50X-S)	1
25	06-091100		REDUCER/ EXPANDER (12-8 F50G5-S)	1
26	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2")	4
27	07-065018		WASHER, HELICAL LOCK (1/2")	4
28	2192390		PIN, KING (2" x 4-3/16")	4
29	08-004200		BEARING, THRUST (2" I.D., 3-5/8" O.D., 3/16" thick)	2
30	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4
31	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER T-40 (PLATE 1 OF 3)

PLATE NO. B01.101 **SIMON AERIALS INC.**

NEW 2 FEB., 1993

PART NO. A-A 3528700



Art # B01.10101E

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER T-40 (PLATE 1 OF 3)

SIMON AERIALS INC.

NEW 2 FEB., 1993

PART NO. A-A 3528700

PLATE NO. B01.101

PARTS LIST

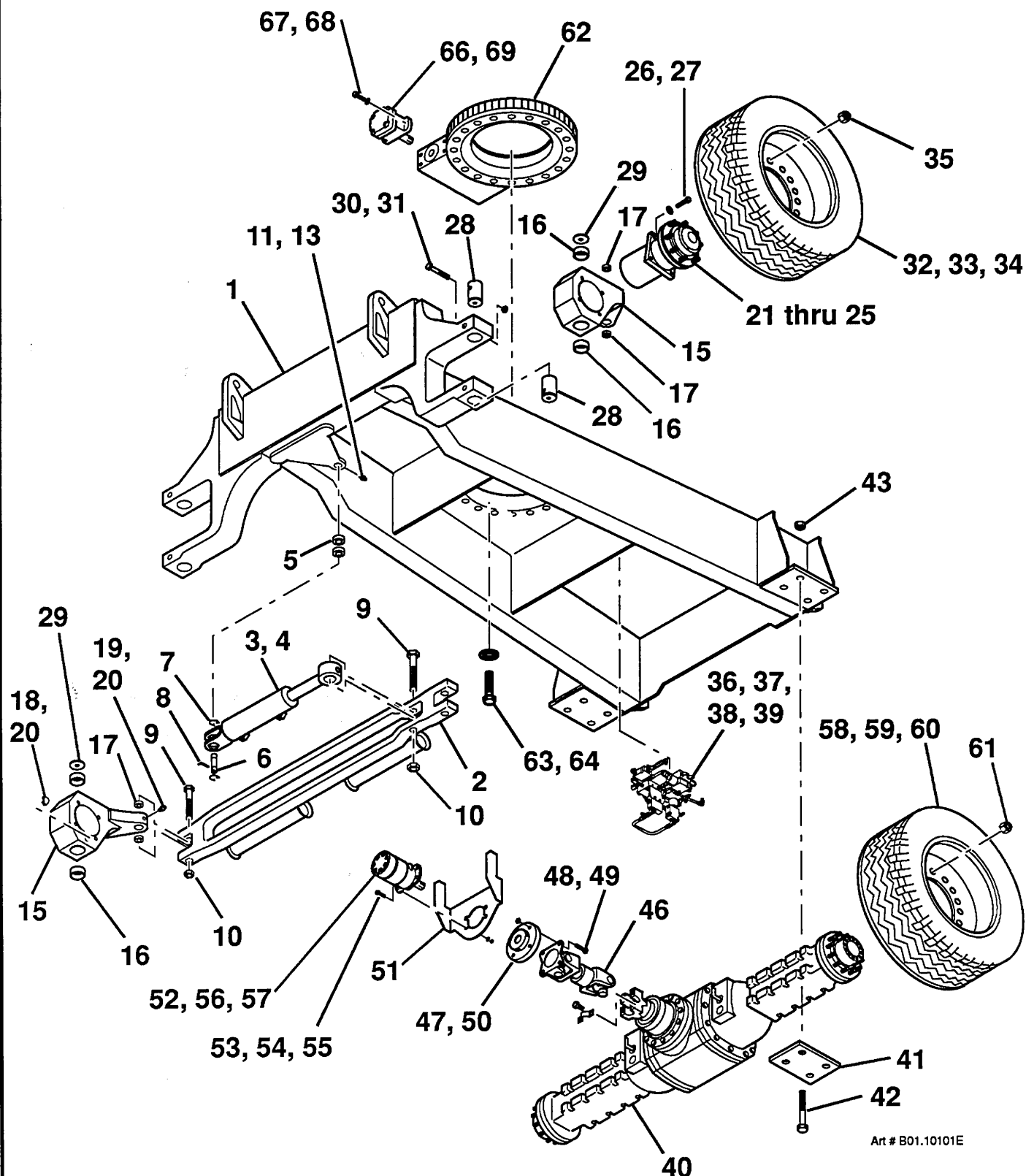
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	3529280		WHEEL AND TIRE ASSEMBLY (for steer and drive axle)	
	3529930		Liquid ballasted	2
			Foam filled	2
33	02-038800		WHEEL (Steer and drive axle) (16-1/2" x 9-3/4")	
34	02-021000		TIRE (15 x 38.5 - 16.5", tubeless)	1
35	01-214503		NUT, LUG (1/2"-20)	12
36	3530100	C12.101	VALVE ASS'Y., MOTION CONTROL	1
37	55-000190		VALVE ASSEMBLY, STOP CUSHION	1
38	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
39	07-062015		WASHER, FLAT (5/16")	4
40	02-039600	C13.101	AXLE ASSEMBLY, REAR	1
41	2198320		PLATE, AXLE MOUNTING	2
	07-096800		"U"-BOLT KIT (7/8"-24) (optional with 2198320)	4
42	07-095600		CAP SCREW, HEX HEAD (3/4"-10 x 8-1/2", Grade 5)	8
43	07-050022		NUT, STOP (3/4"-10, Grade 5)	8
44	06-210800		MALE CONNECTOR, STRAIGHT THREAD	
			(#4, M10-1.25mm, 7/16"-20) (for brake port)	2
45	06-210900		MALE CONNECTOR, STRAIGHT THREAD	
			(#4, M10-1.5mm, 7/16"-20) (for differential lock)	1
46	02-040000		DRIVE SHAFT, REAR	1
47	02-039900		FLANGE, HYDRAULIC MOTOR INPUT	1
48	07-003088		CAP SCREW, HEX HEAD (1/2"-13 x 1-3/4", Grade 5)	4
49	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
50	07-024043		SET SCREW, SOCKET HEAD (3/8"-16 x 3/4")	2
51	2198840		BRACKET, DRIVE MOTOR MOUNTING	1
52	01-217000		MOTOR, HYDRAULIC [13.6 in ³ (223 c.c.)]	1
53	07-003088		CAP SCREW, HEX HEAD (1/2"-13 x 1-3/4", Grade 5)	4
54	07-062018		WASHER, FLAT (1/2")	4
55	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
56	06-051800		ELBOW, SWIVEL NUT (12 C6X-S)	2
57	06-041000		CONNECTOR, STRAIGHT THREAD (12-10 F50X-S)	2

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 3)

PLATE NO. B01.101 **SIMON AERIALS INC.**

REV. 19 APR., 1993

PART NO. A-A 3528700



TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER T-40 (PLATE 2 OF 3)

SIMON AERIALS INC.

NEW 2 FEB., 1993

PART NO. A-A 3528700

PLATE NO. B01.101

PARTS LIST

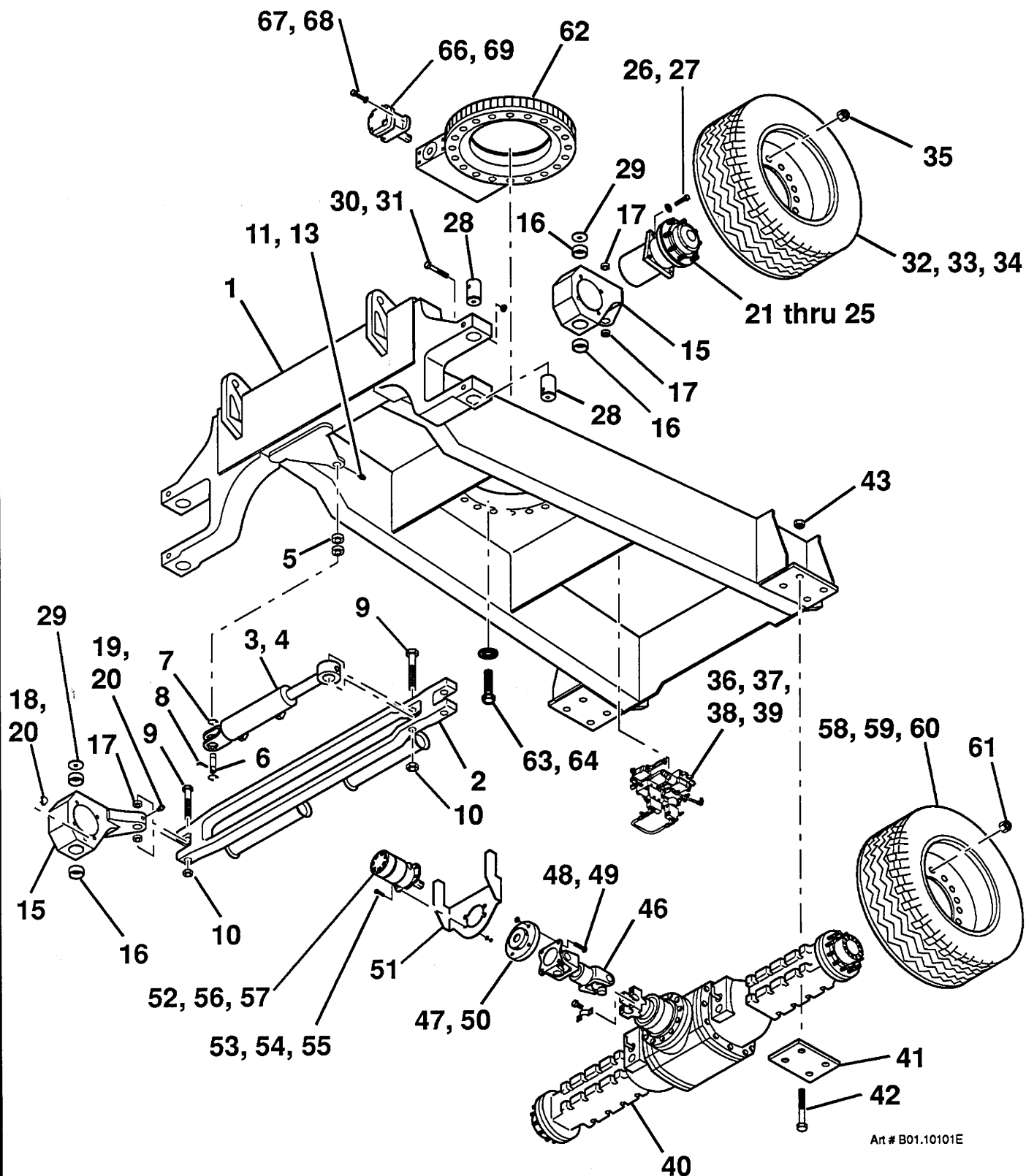
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TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER T-40 (PLATE 3 OF 3)

PLATE NO.	B01.101	SIMON AERIALS INC.
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NEW 2 FEB., 1993

PART NO. A-A 3528700



TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER T-40 (PLATE 3 OF 3)

SIMON AERIALS INC.

NEW 2 FEB., 1993

PART NO. A-A 3528700

PLATE NO. B01.101

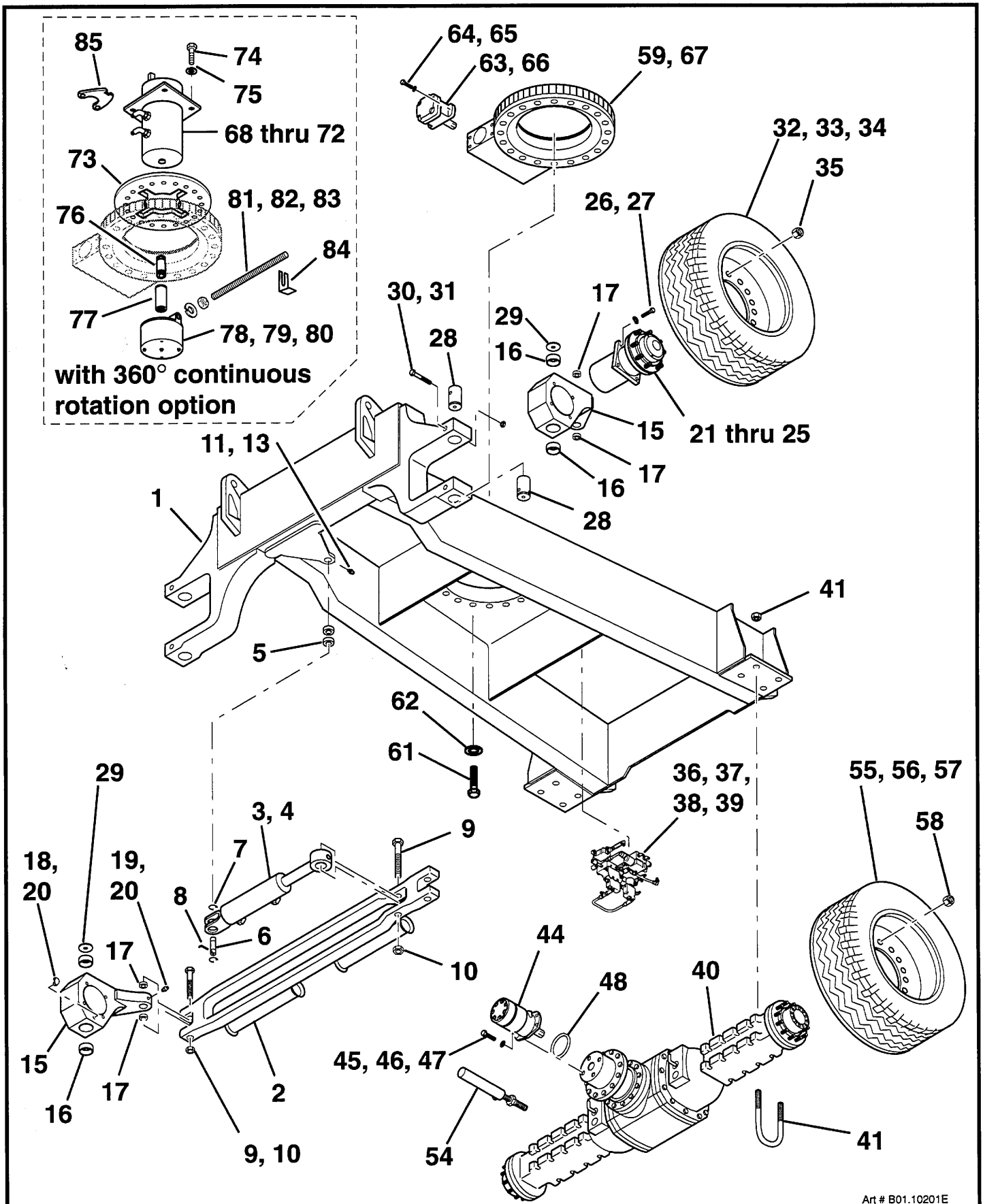
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TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 5)

PLATE NO.	B01.102	SIMON AERIALS INC.	REV. 02 MAR., 1994	PART NO.
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PART NO.	
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TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 5)

SIMON AERIALS INC.

REV. 02 MAR., 1994

PART
NO.

PLATE
NO. B01.102

PARTS LIST

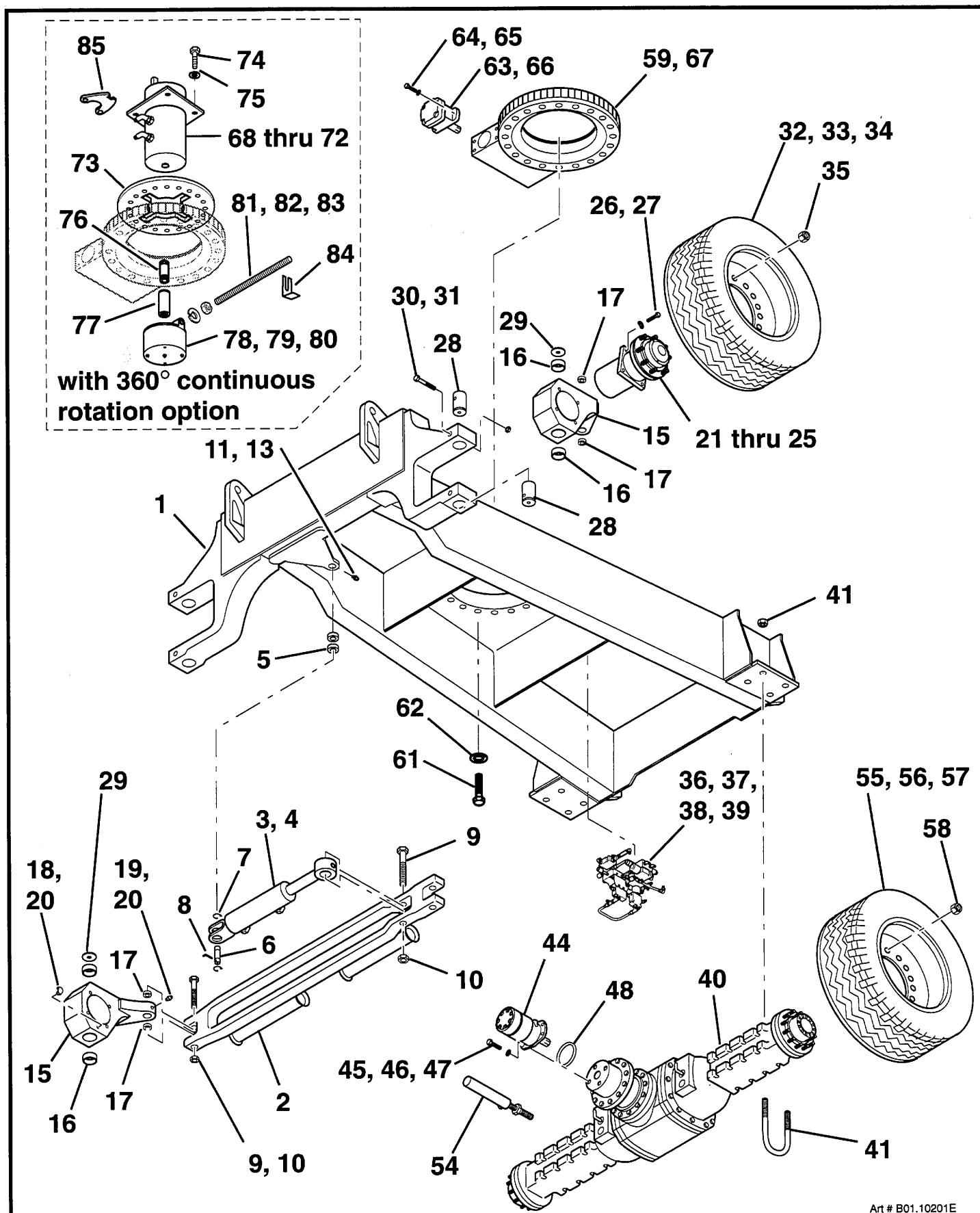
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	3530080		MOTOR HOUSING ASSEMBLY, FRONT (Right) Used with earlier motor labeled "DT 460318 5N"	1
	3535900		Used with later motor labeled "DT 460318 0T"	1
	3530090		MOTOR HOUSING ASSEMBLY, FRONT (Left) Used with earlier motor labeled "DT 460318 5N"	1
	3535910		Used with later motor labeled "DT 460318 0T"	1
15	2192230		MOTOR HOUSING, FRONT (Right) Used with earlier motor labeled "DT 460318 5N"	1
	2318840		Used with later motor labeled "DT 460318 0T"	1
	2192240		MOTOR HOUSING, FRONT (Left) Used with earlier motor labeled "DT 460318 5N"	1
	2318850		Used with later motor labeled "DT 460318 0T"	1
16	2197350		BEARING, SLEEVE (modified 08-069500) (Bronze, 2" I.D., 2-3/8" O.D., 1-1/2" long)	2
17	08-069600		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 3/4" long)	2
18	08-051300		FITTING, GREASE (1/8", 90°)	2
19	08-050000		FITTING, GREASE (1/8", Straight)	1
20	08-066300		CAP, GREASE FITTING (White plastic)	3
21		D03.101	MOTOR, HYDRAULIC [4.5 in ³ (74 c.c.)] (incl. lug nuts)	
	01-214500		Earlier type (labeled "DT 460318 5N").	1
22	01-227800		Later type (labeled "DT 460318 0T").	1
	06-040400		ADAPTER, "O"-RING TO 37° Used with earlier type motor (8-12 F50X-S)	1
23	06-040300		Used with later type motor (8-10 F50X-S)	1
	06-044600		90° ELBOW, STRAIGHT THREAD Used with earlier type motor (6 C50X-S)	1
24	06-044800		Used with later type motor (8 C50X-S)	1
	06-047100		45° ELBOW, STRAIGHT THREAD (8 V50X-S) Used with earlier type motor	1
25	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) Used with later type motor	1
	06-091100		REDUCER/ EXPANDER Used with earlier type motor (12-8 F50G5-S)	1
26	06-090900		Used with later type motor (10-8 F50G5-S)	1
	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2") (used only with earlier type motor)	4
	07-099800		NUT, CROWN LOCK (1/2"-20) (used only with later type motor)	4
	07-065018		WASHER, HELICAL LOCK (1/2") (used only with earlier type motor)	4

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 5)

PLATE NO. B01.102 **SIMON AERIALS INC.**

REV. 02 MAR., 1994

PART NO.



Art # B01.10201E

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 5)

SIMON AERIALS INC.

REV. 02 MAR., 1994

PART
NO.

PLATE
NO. B01.102

PARTS LIST

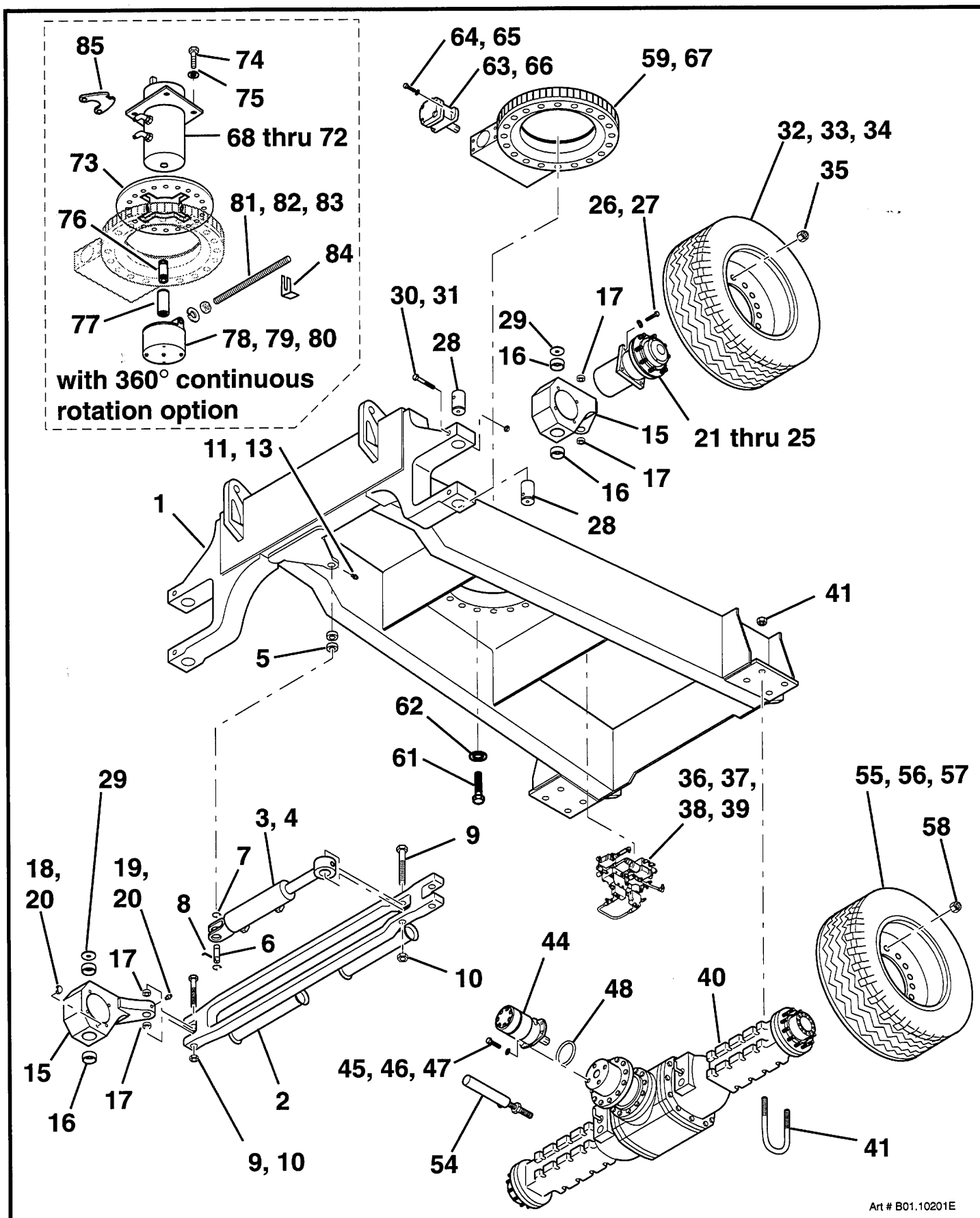
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	2192390		PIN, KING (2" x 4-3/16")	4
29	08-004200		BEARING, THRUST (2" I.D., 3-5/8" O.D., 3/16" thick)	2
30	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4
31	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
32			WHEEL AND TIRE ASSEMBLY (for steer and drive axle)	
	3529280		Liquid ballasted	2
	3529930		Foam filled	2
33	02-038800		WHEEL (Steer and drive axle) (16-1/2" x 9-3/4")	1
34	02-021000		TIRE (15 x 38.5 - 16.5", tubeless)	1
35	01-214503		NUT, LUG (1/2"-20) (used on some earlier versions)	12
	07-099800		NUT, CROWN LOCK (1/2"-20) (for later versions)	12
36			VALVE ASSEMBLY, MOTION CONTROL	
	3530860	C12.102	units without 360° continuous rotation option	1
	3531840	C12.103	units with 360° continuous rotation option	1
37	55-000190		VALVE ASSEMBLY, STOP CUSHION	1
38	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
39	07-062015		WASHER, FLAT (5/16")	4
40		C13.102	AXLE ASSEMBLY, REAR	
	02-043400		Axle is labeled " 418 R/81 "	1
	02-039700		Earlier #, superceded by 02-043400. Labeled " 418 R/81 "	1
41	07-096800		"U"-BOLT KIT (7/8"-14)	4
42	06-210800		MALE CONNECTOR, STRAIGHT THREAD (#4, M10-1.25mm, 7/16"-20) (for brake port)	2
43	06-051300		ELBOW, SWIVEL NUT (4 C6X-S)	2
44	01-217000	D03.102	MOTOR, HYDRAULIC [13.6 in ³ (223 c.c.)]	1
45	07-012100		CAP SCREW, HEX HEAD (M 12 x 40 mm) (hydraulic motor mounting to axle) (comes with axle)	4
46			WASHER, FLAT (hydraulic motor mounting to axle)	
	07-061018		(1/2" SAE, hardened) (comes with axle)	4
	07-062018		(1/2") (was used on some early axles, with item 47)	4
47	07-040018		NUT, HEX (1/2"-13, Grade 5) (was used on some early axles)	4
48	01-219800		"O"-RING (3-1/4" I.D.)	1
49	07-096300		CAP SCREW, HEX HEAD (5/8"-18 x 1-1/4", Grade 5)	1
50	10-159000		SHIM (5/8" I.D., 1" O.D., .093" thick)	1
			WASHER (comes with axle)	1
51	06-041000		CONNECTOR, STRAIGHT THREAD (12-10 F50X-S)	1
52	06-045500		ELBOW, STRAIGHT THREAD (12-10 C50X-S) (comes with axle)	1
53	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12)(comes with axle)	1
54	04-037700	C13.103	CYLINDER, AXLE DISCONNECT	1

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 3 OF 5)

PLATE NO. B01.102 **SIMON AERIALS INC.**

REV. 02 MAR., 1994

PART NO.



Art # B01.10201E

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 3 OF 5)

SIMON AERIALS INC.

REV. 02 MAR., 1994

PART
NO.

PLATE
NO. B01.102

PARTS LIST

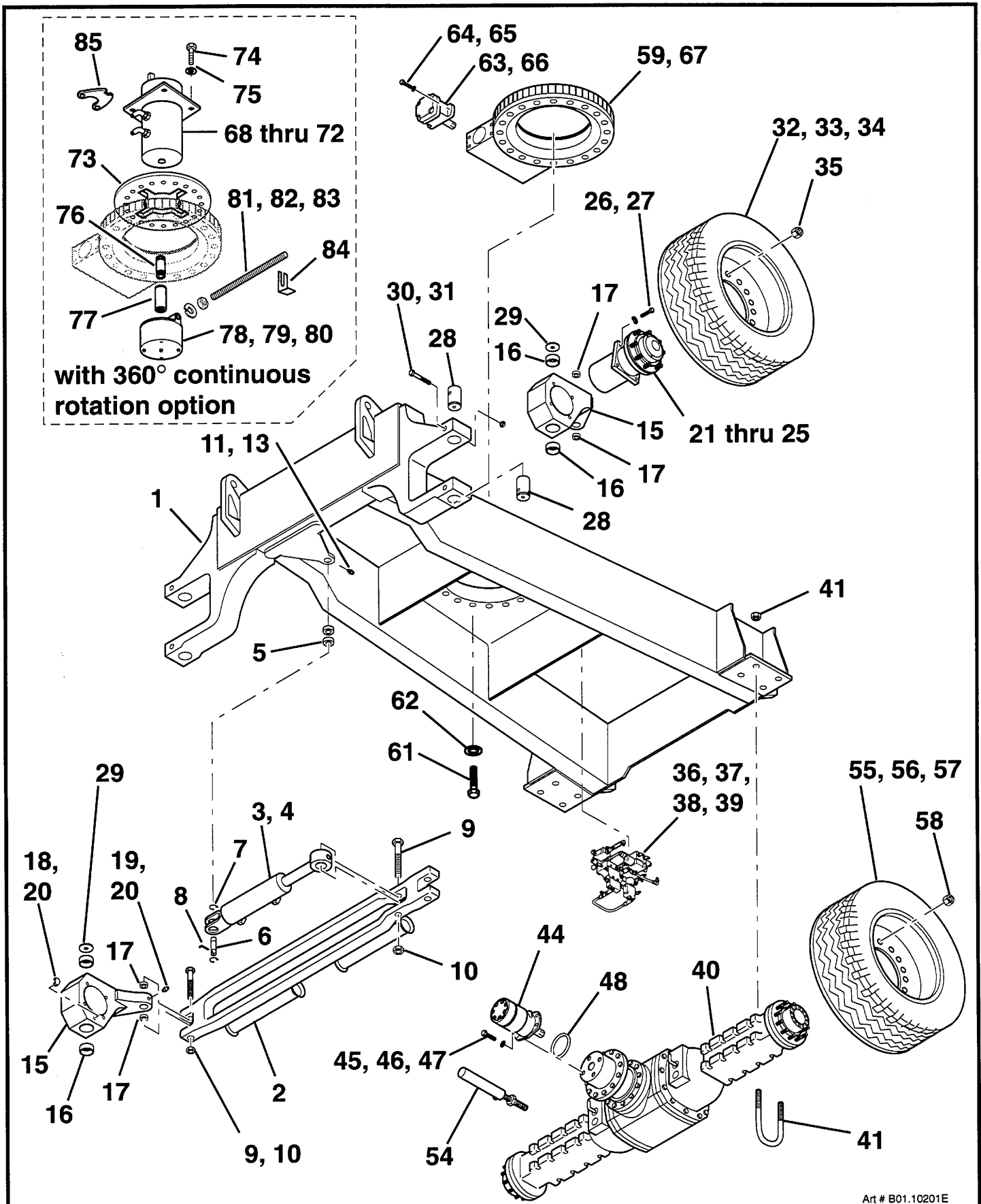
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
55			WHEEL AND TIRE ASSEMBLY (for drive axle) [Wheel has 6.29" (160 mm) center hole]:	
	3529940		Liquid ballasted	2
	3529950		Foam filled	2
			[Wheel has 8.735" (222 mm) center hole]:	
	3532660		Liquid ballasted	2
	3532670		Foam filled	2
56			WHEEL (Drive axle) (16-1/2" x 9-3/4")	
	2198410		With 6.29" (160 mm) center hole	1
	02-040300		With 8.735" (222 mm) center hole	1
	2300990		Reference only. With 8.735" (222 mm) center hole. Early version, has 1-1/2" spacer welded to center section. Superseded by 02-040300.	1
57	02-021000		TIRE (15 x 38.5 - 16.5", tubeless)	1
58	07-095700		NUT, HEX (Self-locking, M18-1.5)	12
59	08-069000	F02.101	SWING BEARING	1
60	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R.
61	07-004135		CAP SCREW, HEX HEAD (5/8"-11 x 3-1/2", Grade 8) (for units without 360° continuous rotation option)	20
	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8) (for units with 360° continuous rotation option)	18
	07-004139		CAP SCREW, HEX HEAD (5/8"-11 x 5", Grade 8) (for units with 360° continuous rotation option)	2
62	07-061021		WASHER, FLAT (5/8" SAE)	20

TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 4 OF 5)

PLATE NO. B01.102 **SIMON AERIALS INC.**

REV. 02 MAR., 1994

PART NO.



TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 4 OF 5)

SIMON AERIALS INC.

REV. 02 MAR., 1994

PART
NO.

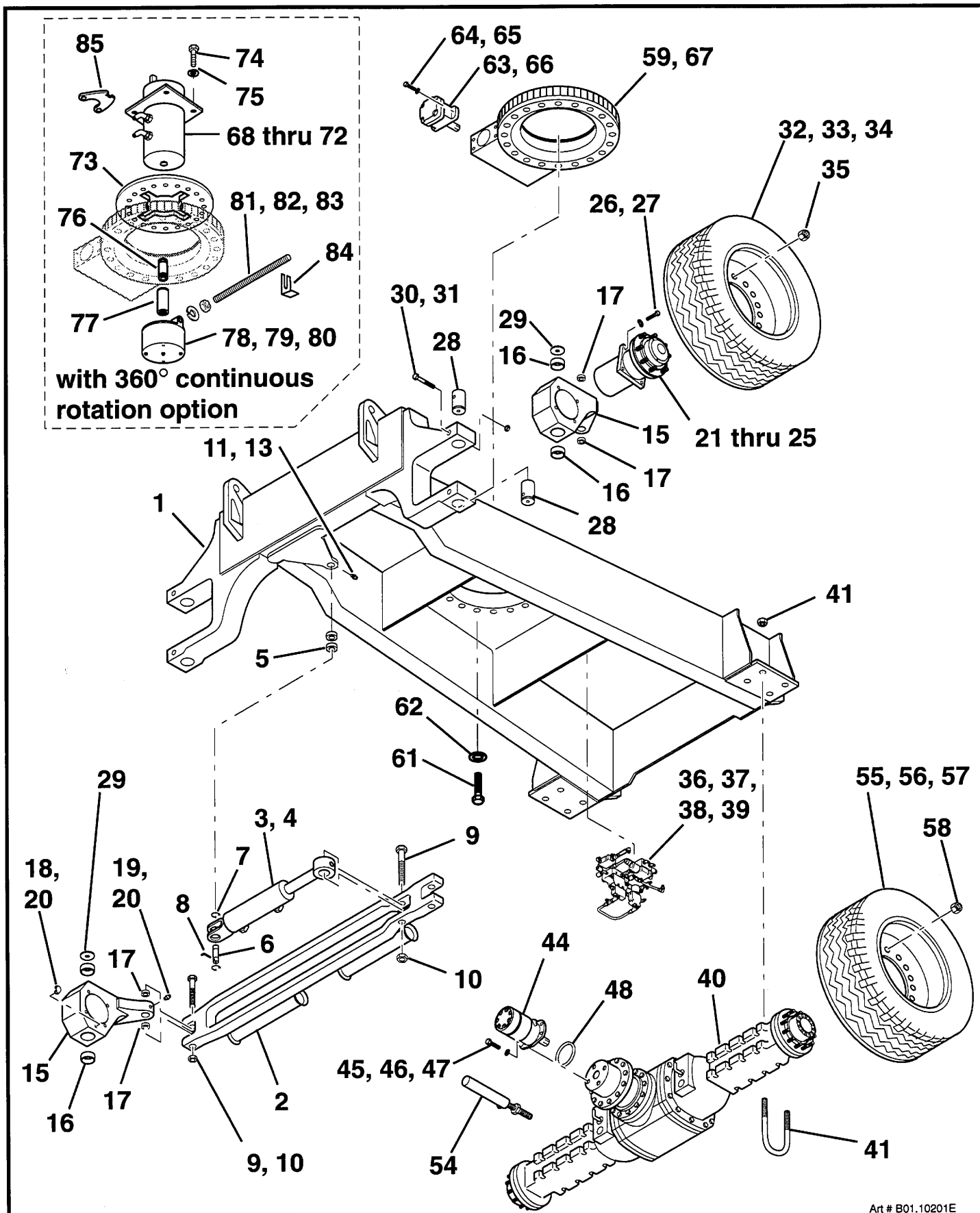
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TITLE		UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 5 OF 5)	
PLATE NO.	B01.102	SIMON AERIALS INC.	REV. 02 MAR., 1994 PART NO.

REV 02 MAR 1994

PART
NO.



TITLE UNDERCARRIAGE ASSEMBLY, TRAILBLAZER 40 (PLATE 5 OF 5)

SIMON AERIALS INC.

REV. 02 MAR., 1994

PART
NO.

PLATE
NO. B01.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2190780		PYLON WELDMENT, SUPERSTRUCTURE	1
2	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8)	23
3	07-061021		WASHER, FLAT (5/8" SAE)	23
4	08-069200		BEARING, SLEEVE (2" I.D., 2-3/8" O.D., 2-1/2" long)	2
5	07-094400		BUSHING, WIDE RIM (2-1/8" I.D., 3-5/8" O.D., #10 Ga.)	2
6	08-004200		BEARING, THRUST (2-1/32" I.D., 3-5/8" O.D., 3/16" thick)	2
7	2190600		PIN, BOOM PIVOT (2" x 19-3/8") (except Canada)	1
	2313660		PIN, BOOM PIVOT (2" x 19-3/8") (CSA standards)	1
8	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
9	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
10	08-041100		RING, RETAINING (2")	2
11	08-050000		FITTING, GREASE (1/8", straight)	2
12	08-051300		FITTING, GREASE (1/8", 90°)	3
13	08-066300		CAP, GREASE FITTING (White plastic)	5
14	04-032600	D10.101	CYLINDER, MASTER LEVEL	1
15	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
16	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
17			PIN, MASTER CYLINDER (1-1/4" x 13-15/16") (Base end)	
	2192550		except Canada	1
	2313600		CSA standards	1
18			PIN, MASTER CYLINDER (1-1/4" x 5-9/16") (Rod end)	
	2190580		except Canada	1
	2313610		CSA standards	1
19	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
20	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
21	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
22	08-040700		RING, RETAINING (1-1/4")	4
23	See plate	D09.101	CYLINDER, BOOM LIFT	1
24	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
25			PIN, LIFT CYLINDER (1-1/2" x 14") (Base end)	1
	2192570		except Canada	1
	2313620		CSA standards	1
26			PIN, LIFT CYLINDER (1-1/2" x 9") (Rod end)	1
	2192560		except Canada	1
	2313630		CSA standards	1
27	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
28	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
29	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
30	08-040900		RING, RETAINING (1-1/2", external)	4

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710

PARTS LIST

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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 7)

PLATE NO.	B02.101	SIMON AERIALS INC.
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REV. 03 NOV., 1993

PART NO. A-B 3528710

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
43	2193600		COVER, BULKHEAD (with Wisconsin or Ford engine)	1
	2301850		COVER, BULKHEAD (with Deutz engine)	1
44	2302820		AIR DUCT, ENGINE (with Hatz engine)	1
45	See Index	C04. --	ENGINE ASSEMBLY	1
46	03-010001		BATTERY (12 Volt DC, 95 Amp)	1
47	10-112900		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene)	1
48	03-064300		HOLD DOWN, BATTERY	1
49	2018274		ROD, THREADED (3/8"-16 x 8-1/2") (except Ford engine)	2
	07-090111		"J"-BOLT (with Ford engine)	2
50	07-031005		STUD, "SPRINKLER" ZWELD (1-1/2" long, threaded 3/8"-16)	2
51	07-040016		NUT, HEX (3/8"-16, Grade 5) (except Ford engine)	6
52	07-062016		WASHER, FLAT (3/8") (except Ford engine)	4
53			CABLE, BATTERY (Positive)	
	03-465700		Red, 78" (2.0 M) long (except Ford engine)	1
	03-074100		Red, 49" (1.2 M) long (with Ford engine)	1
	03-072400		Red, 75" (1.9 M) long (with Ford engine)	1
	03-074000		Black, 9-3/4" (25 cm) long (with Ford engine)	1
54	03-070100		CABLE, BATTERY (Negative) [Black, 12" (30 cm) long]	1
55	01-014000	D11.03	FILTER, HYDRAULIC (Pressure line)	1
56	06-092500		REDUCER/ EXPANDER (24-12 F50 G5-S)	2
57	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	1
58	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	1
59	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
60	07-062016		WASHER, FLAT (3/8")	4
61	10-002600		WASHER, FENDER (1/2" I.D., 2" O.D.)	4
62	10-086500		WASHER, RUBBER (1/2" I.D., 2" O.D.)	4
63	01-027200	D07.04	PUMP, EMERGENCY HYDRAULIC	1
64	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
65	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
66	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
67	07-062016		WASHER, FLAT (3/8")	2
68	07-065016		WASHER, HELICAL LOCK (3/8")	2
69	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1
70	10-033800	D12.05	GAUGE, SIGHT [14" (35.6 cm) long]	1

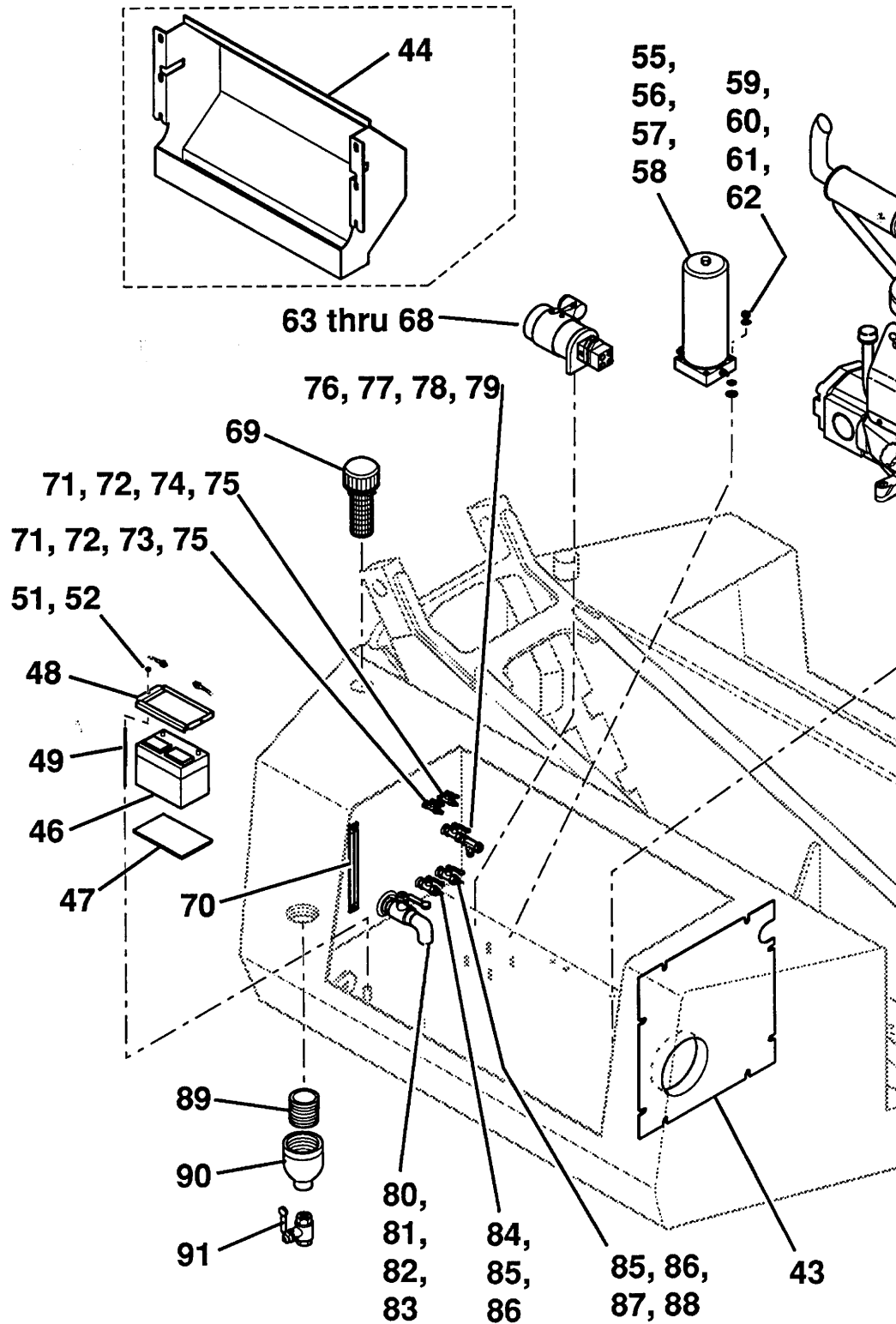
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 3 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710

Air Duct (with Hatz Engine)



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART NO. A-B 35287

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
71	06-076900		LONG REDUCER/ EXPANDER, PIPE THREAD (4 FF-S)	2
72	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT) (to S/N APA 00234)	2
	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT) (APA 00234 and up)	1
	01-020800		VALVE, CHECK (S/N APA 00234 and up)	1
	06-000700		CONNECTOR, MALE (6 FTX-S) (S/N APA 00234 and up)	1
	06-079000		ADAPTER, SWIVEL NUT (6 F65X-S) (APA 00234 and up)	1
73	06-000700		CONNECTOR, MALE (6 FTX-S) (with Wisconsin or Deutz engines)	1
74	06-003800		90° ELBOW, MALE (6 CTX-S) (Wisconsin or Deutz engines)	1
75	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (up to S/N APA 00234) (S/N APA 00234 and up)	2 1
	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S) (APA 00234 and up)	1
76	11-020014		CLOSE NIPPLE (1" NPT)	1
77	01-068500		VALVE, BALL (Shutoff valve, 1" NPT)	1
78	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
79	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
80	11-071500		REDUCER, BELL (1-3/4" NPT to 1-1/2" NPT)	1
81	01-063000		VALVE, BALL (Shutoff valve, 1-1/2" NPT)	1
82	11-050023		90° STREET ELBOW (1-1/2") (two needed with Ford engine, one on all others)	1
83	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D., 1-1/2" long)	1
84	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
85	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	2
86	06-004900		90° ELBOW, MALE (12 CTX-S)	2
87	11-062000		BUSHING, REDUCER (1-3/4" NPT)	1
88	11-020018		CLOSE NIPPLE (3/4" NPT, 1-3/8" long)	1
89	11-020017		CLOSE NIPPLE (2" NPT)	1
90	11-061900		REDUCER, BELL (2" NPT to 1/2" NPT)	1
91	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

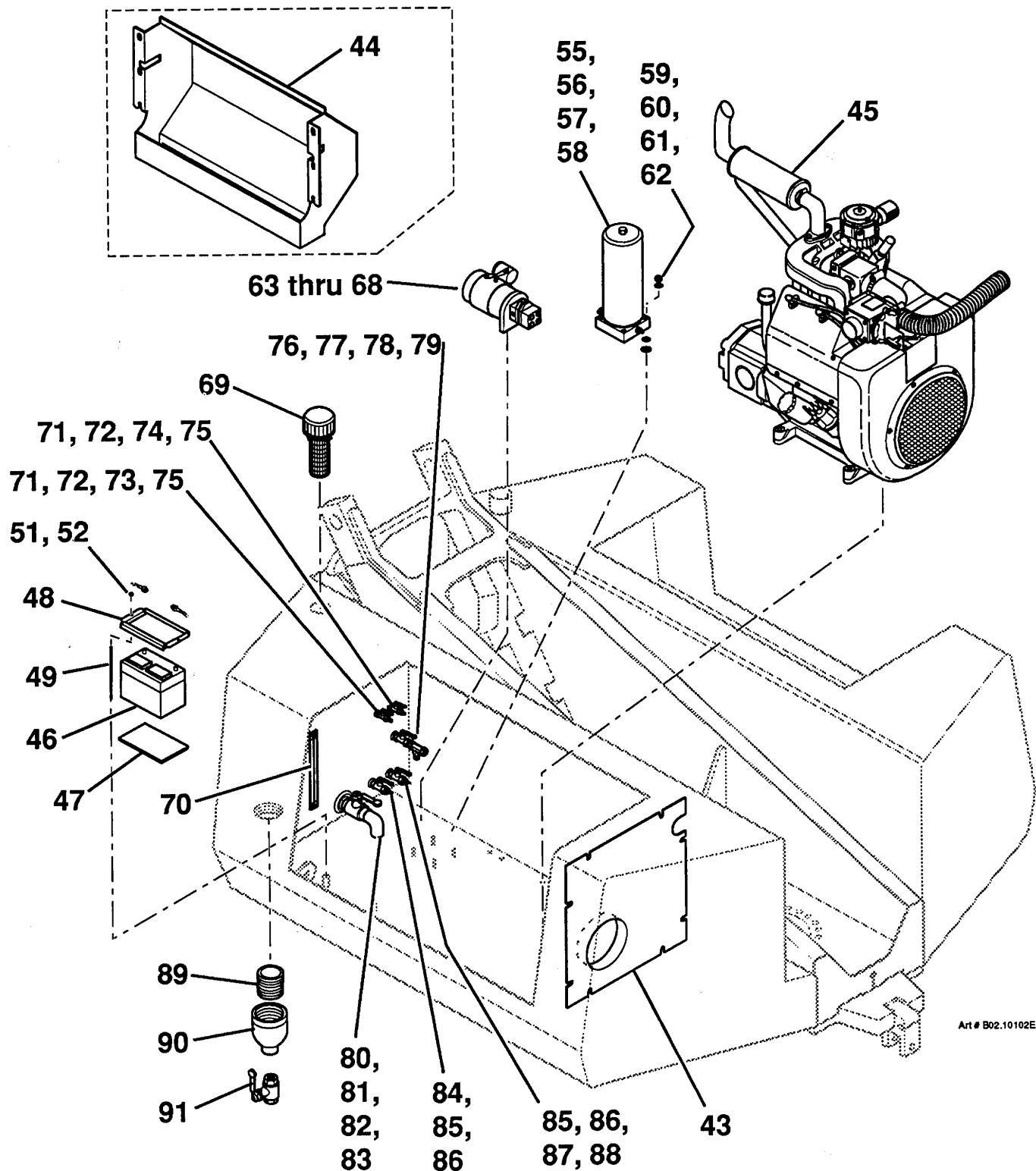
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 4 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710

Air Duct (with Hatz Engine)



Art # B02.10102E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 4 OF 7)

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART NO. A-B 3528710

PLATE NO. B02.101

PARTS LIST

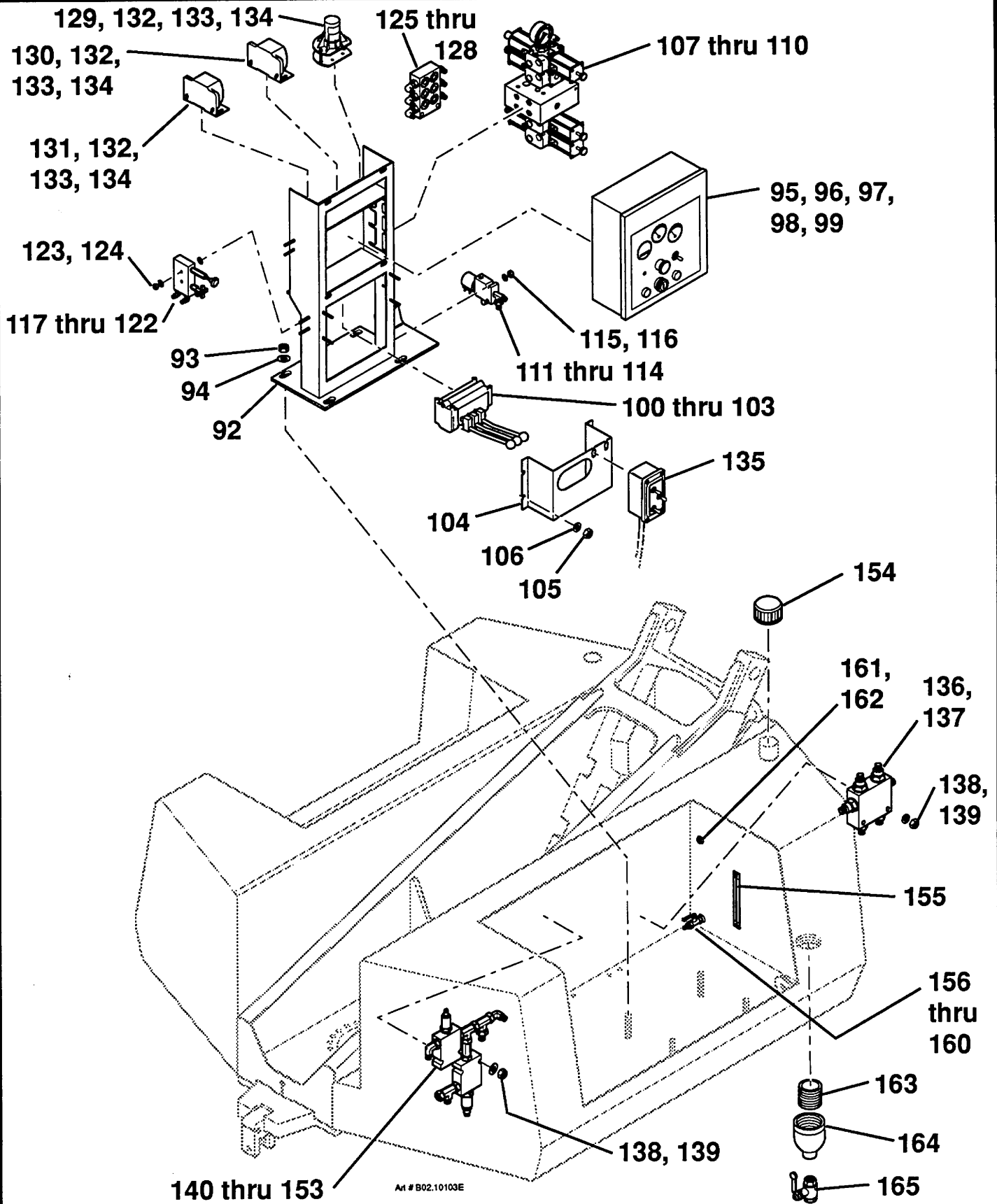
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	2194120		BRACKET, GROUND CONTROL (early version shown)	1
	2308400		Early version. Large area behind electrical box is cut out. Later version. Area behind electrical box is not cut out.	1
93	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
94	07-062016		WASHER, FLAT (3/8")	4
95	See Index	C03. --	PANEL ASSEMBLY, GROUND ELECTRICAL	1
96	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
97	07-062015		WASHER, FLAT (5/16")	4
98	07-062014		WASHER, FLAT (1/4")	4
99	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
100	3530350	C02.102	GROUND VALVE ASSEMBLY	1
101	07-003450		SCREW, HEX HEAD (5/16"-24 x 3/4")	4
102	07-062015		WASHER, FLAT (5/16")	4
103	07-065015		WASHER, SPLIT LOCK (5/16")	4
104	2199940		COVER, GROUND CONTROLS	1
105	07-062014		WASHER, FLAT (1/4")	4
106	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
107	3529570	C02.103	MANIFOLD ASSEMBLY	1
108	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5)	4
109	07-058400		NUT, LOCK (1/2"-13)	4
110	07-062018		WASHER, FLAT (1/2")	4
111	01-093500		VALVE, SOLENOID (Dump valve)	1
112	01-093501		COIL, SOLENOID VALVE	1
113	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
114	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
115	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
116	07-062014		WASHER, FLAT (1/4")	4
117	01-209800		MANIFOLD, BRAKE RELEASE	1
118			BODY, VALVE	1
119	01-209801		VALVE, NEEDLE	1
120			PUMP, HAND	1
121	01-209802		SEAL KIT, HAND PUMP	1
122	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
123	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
124	07-062015		WASHER, FLAT (5/16")	2
125	3529860	C02.104	SHUTTLE VALVE ASSEMBLY	1
126	07-003011		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	2
127	07-062014		WASHER, FLAT (1/4")	4
128	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
129	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
130	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
131	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 5 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 5 OF 7)

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART NO. A-B 3528710

PLATE NO. B02.101

PARTS LIST

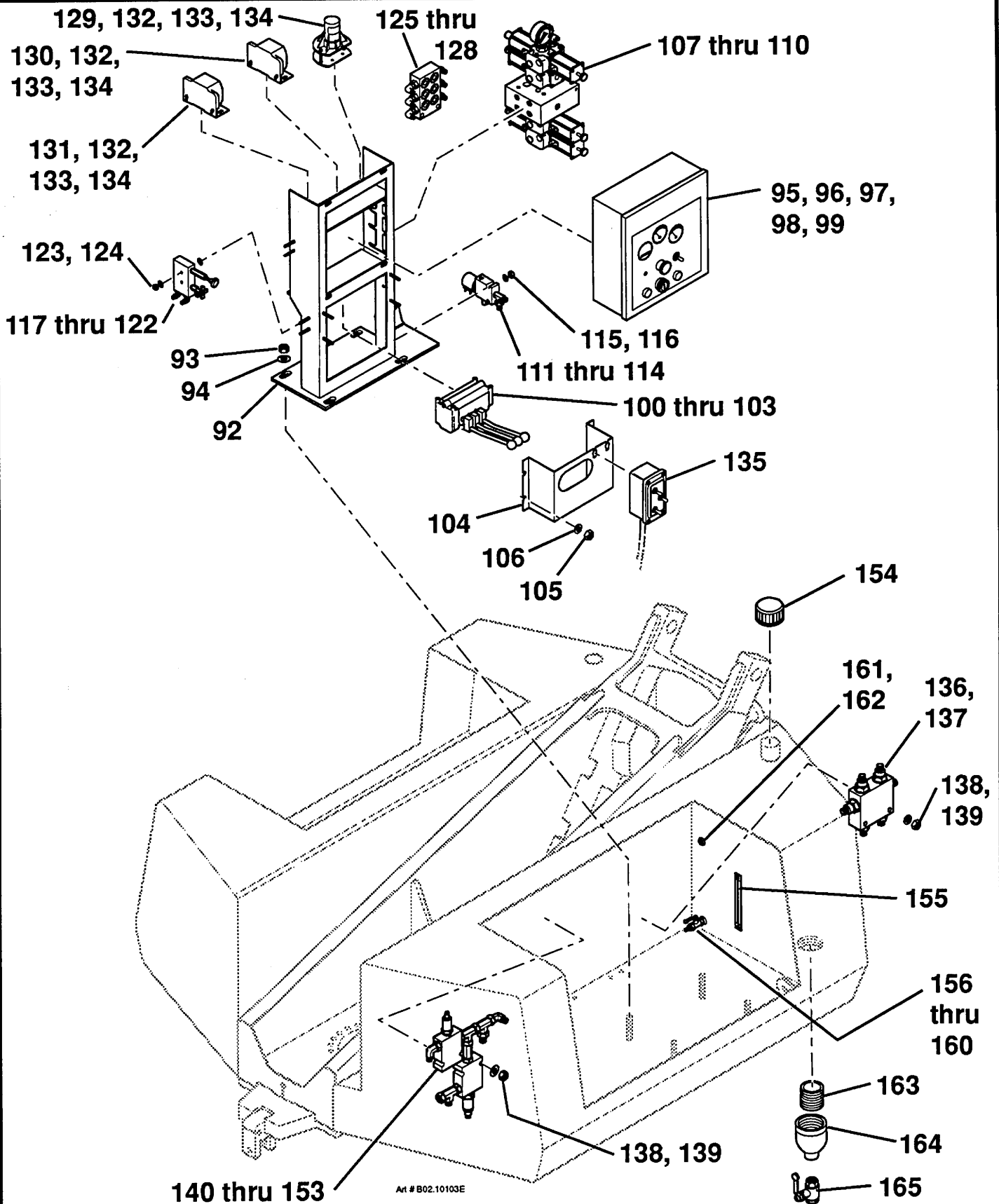
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
132	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	6
133	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
134	07-062014		WASHER, FLAT (1/4")	6
135	3529370	C06.06	PENDANT, REMOTE CONTROL	1
136	01-219100		VALVE, DUAL COUNTERBALANCE [pre-set to 2,500 PSI (172 bar) (176 Kg/ cm2)]	1
137	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	4
138	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	5
139	07-062014		WASHER, FLAT (1/4")	5
140	01-215800		VALVE, DIRECTIONAL (3 way, 2 position, piloted sequence)	1
141	01-219400		VALVE, DIRECTIONAL (Pilot shift)	1
142	07-062014		WASHER, FLAT (1/4")	2
143	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	2
144	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
145	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
146	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
147	06-048600		RUN TEE, MALE "O"-RING (8 R50X-S)	1
148	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
149	06-057600		NUT, TUBE (8 BTX-S)	1
150	06-057800		NUT, TUBE (12 BTX-S)	1
151	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
152	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	1
153	3507665		TUBE ASSEMBLY	1
154	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
155	10-033800	D12.05	GAUGE, SIGHT [14" (35.6 cm) long]	1
156	06-082500		90° ELBOW, MALE PIPE THREAD (4 CR-S)	1
157	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT)	1
158	06-080200		90° STREET ELBOW (4 CD-S) (except Wisconsin engine)	1
159	11-050403		FITTING, HOSE (for all except Wisconsin engine) (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
160	06-003500		90° ELBOW, MALE (4-4 CTX-S)	1
161	11-075400		PLUG, SQUARE HEAD (1/4" NPT) (except Diesel engine)	1
	06-080200		90° STREET ELBOW (4 CD-S) (with Diesel engine)	1
162	11-050401		FITTING, HOSE (with Diesel engine) (Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
163	11-020017		CLOSE NIPPLE (2" NPT)	1
164	11-061900		REDUCER, BELL (2" NPT to 1/2" NPT)	1
165	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 6 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 6 OF 7)

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART NO. A-B 3528710

PLATE NO. B02.101

PARTS LIST

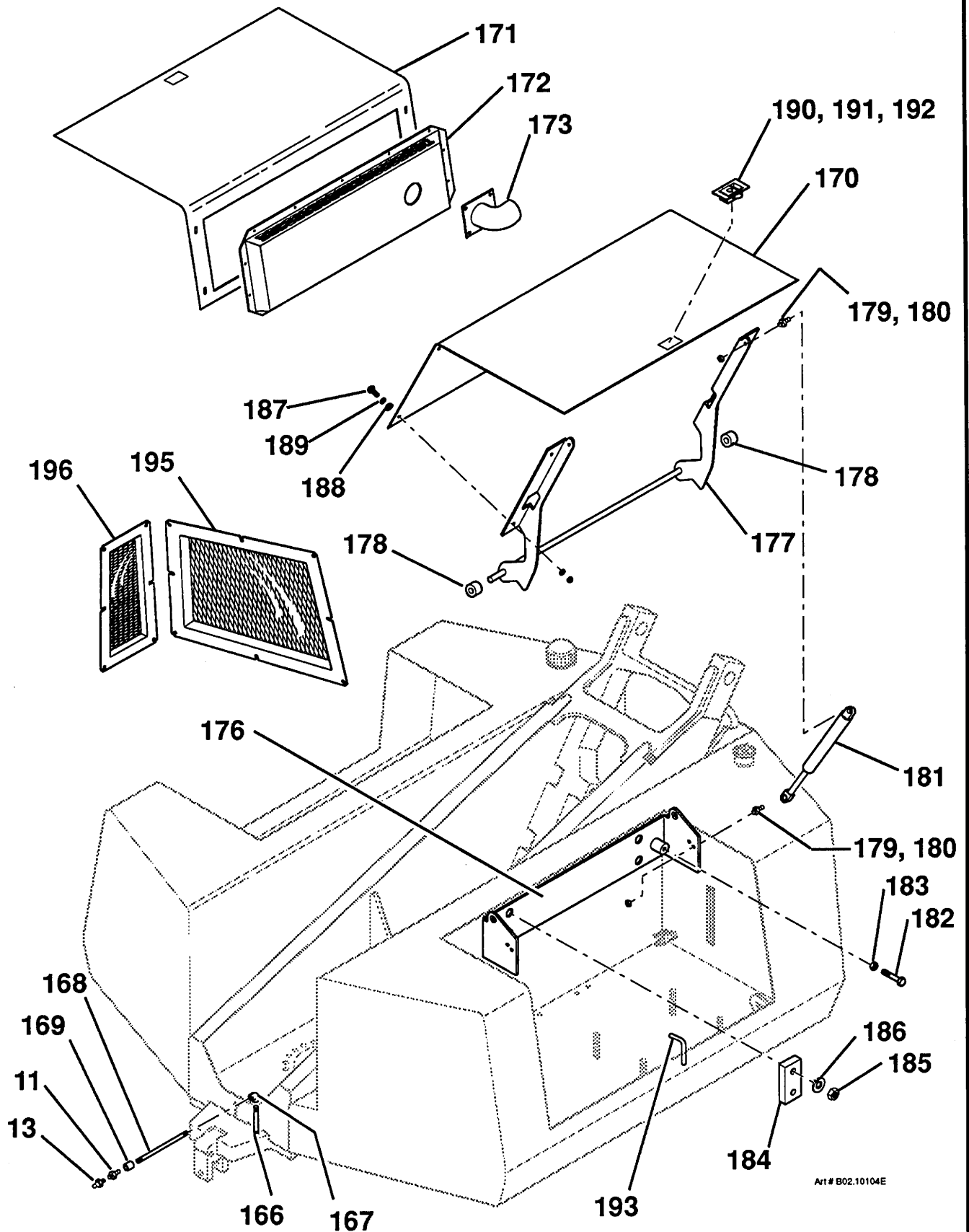
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
166	11-085700		NIPPLE, PIPE [1/8" NPT x 5-1/2" (141 mm) long]	1
167	06-084600		ELBOW, FEMALE PIPE THREAD (2 DD)	1
168	11-085600		NIPPLE, PIPE [1/8" NPT x 10-1/2" (270 mm) long]	1
169	11-040023		COUPLING, PIPE (1/8" NPT, long)	1
170	2303210		DOOR (right, control side)	1
171	2303220		DOOR (left, engine side)	1
172			PAGODA, ENGINE DOOR	
	2303350		with Wisconsin engine	1
	2313310		with Ford engine	1
	2303340		with Deutz engine [Note: Hole for exhaust outlet is 17-7/8" (45 cm) from front edge of pagoda, for use when muffler has center exhaust outlet. When muffler has exhaust outlet at end, order pagoda #2303340, Rev. "A", which has hole located 15-3/4" (40 cm) from front edge.]	1
			with Hatz engine (modified 2198720)	1
173	2199920		OUTLET, ENGINE EXHAUST	1
174	07-029365		SCREW, TEK (#12-14 x 1" self tap, bonded sealing head)	18
175	2196030		HINGE ASSEMBLY, DOOR (right)	1
	2196020		HINGE ASSEMBLY, DOOR (left)	1
176	2198470		BRACKET, HINGE (right)	1
	2198480		BRACKET, HINGE (left)	1
177	2198500		BRACKET, DOOR	1
178	08-069900		COLLAR, "CLAMP-TITE" (3/4" I.D., one piece, steel)	2
179	10-138400		STUD, BALL (.39" dia.)	4
180	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
181	10-138300		SPRING, GAS (Gas cylinder) [250 Lb (113 Kg) force, 20.2" (51.2 cm) extended, 12.4" (31.5 cm) retracted]	2
182	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	1
183	07-047018		NUT, JAM (1/2"-13, Grade 5)	1
184	2195600		PLATE, DOOR MOUNT	4
185	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
186	07-065018		WASHER, HELICAL LOCK (1/2")	8
187	07-017022		CAP SCREW, BUTTON HEAD (5/16"-18 x 5/8", Grade 5)	8
188	07-062015		WASHER, FLAT (5/16")	8
189	07-065015		WASHER, HELICAL LOCK (5/16")	8
190	2301540		LATCH, DOOR	2
191	07-096100		CAP SCREW, BUTTON HEAD (#8-32 x 3/4", Stainless)	8
192	07-096200		NUT, LOCK (#8-32, stainless, with nylon insert)	8
193	2303780		BRACKET, LATCH	2
194	11-085800		STRIP, DOOR GASKET [30 Ft]	A.R.
195	2316540		HEAT SHIELD (Hydraulic tank, front) (option)	1
196	2316610		HEAT SHIELD (Hydraulic tank, side) (option)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 7 OF 7)

PLATE NO. B02.101 **SIMON AERIALS INC.**

REV. 03 NOV., 1993

PART NO. A-B 3528710



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 40 (PLATE 7 OF 7)

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART NO. A-B 3528710

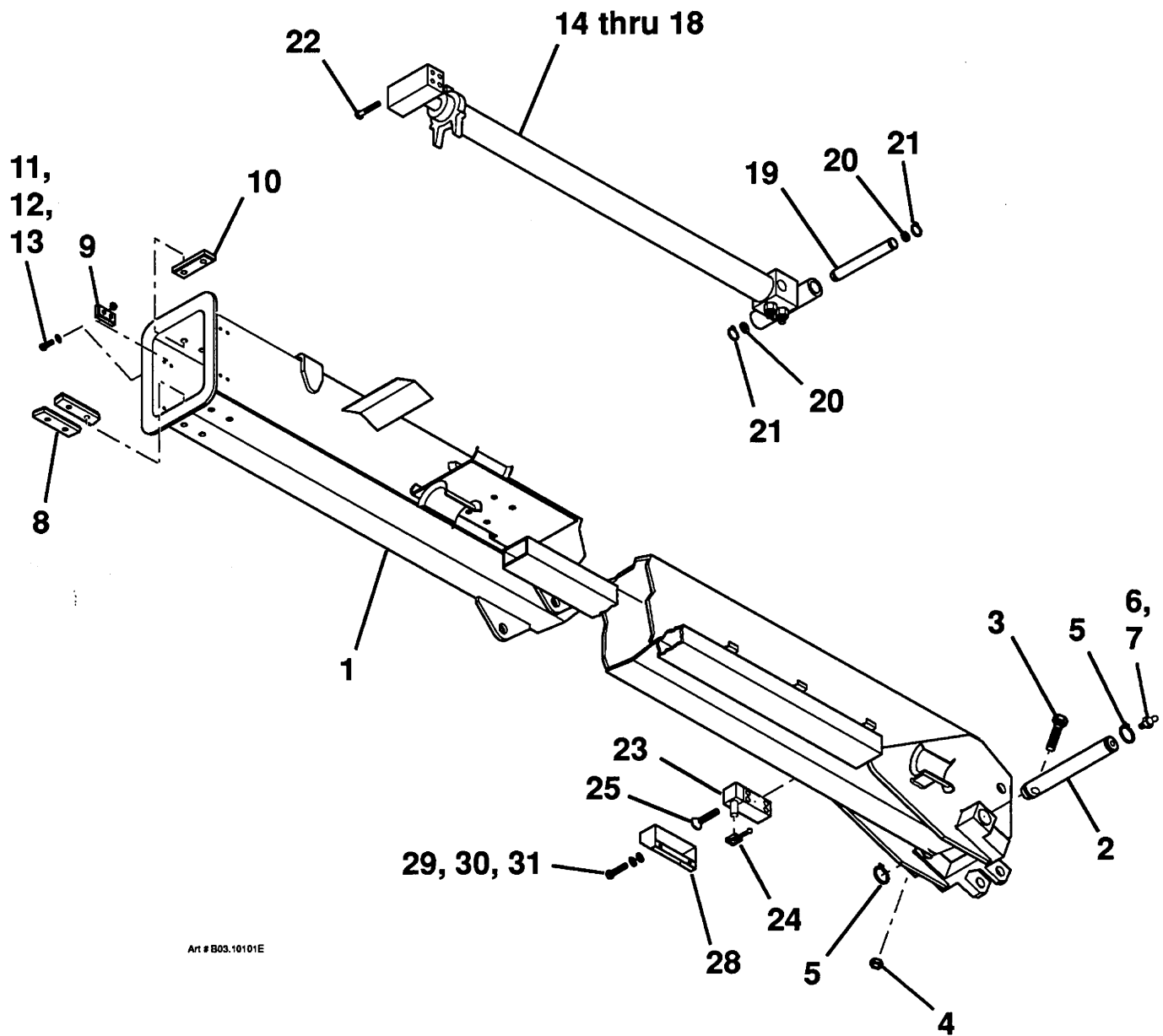
PLATE NO. B02.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2189870		BASE BOOM WELDMENT	1
2	2190600		PIN, BOOM PIVOT (2" x 19-3/8") (except Canada)	1
	• 2313660		PIN, BOOM PIVOT (2" x 19-3/8") (CSA standards)	1
3	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
4	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
5	08-041100		RING, RETAINING (2")	2
6	08-050000		FITTING, GREASE (1/8", Straight)	5
7	08-066300		CAP, GREASE FITTING (White plastic)	5
8	2187750		PAD, WEAR (2" x 6") (Base boom bottom)	2
9	2187740		PAD, WEAR (2" x 4") (Base boom side)	4
10	2187760		PAD, WEAR (2" x 4-3/4") (Base boom top)	1
11	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	14
12	07-065018		WASHER, HELICAL LOCK (1/2")	14
13	07-047018		NUT, JAM (1/2"-13, Grade 5)	14
14	04-035100	D19.101	CYLINDER, TELESCOPE	1
15	06-044800		ELBOW, STRAIGHT THREAD (8 C50X-S)	1
16	06-053100		ELBOW, SWIVEL NUT (45°) (8 V6X-S)	1
17	06-045100		ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
18	06-044300		ELBOW, STRAIGHT THREAD (4 C50X-S)	1
19	2192530		PIN, TELESCOPE CYLINDER (1-1/4" x 9-15/16") (Base end)	1
	• 2313570		except Canada CSA standards	1
20	07-095100		WASHER, FLAT (1-1/4", hardened)	2
21	08-040700		RING, RETAINING (1-1/4")	2
22	07-003131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 5)	8
23	03-493800		SWITCH, LIMIT (Side rotary, 2 normally open, 2 normally closed contacts)	1
24	03-494000		ARM, LIMIT SWITCH (2", fixed roller)	1
25	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
26	03-045500		GRIP, CORD (1/2")	1
27	03-085000		CABLE, ELECTRICAL (24 conductor, #16 AWG) [Bulk item, 66 Ft (20.1 M) required this application]	A.R.
	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) [Bulk item, 15 Ft (4.6 M) required this application]	A.R.
	03-085900		CABLE, ELECTRICAL (SJO, 3 conductor, #12 AWG) [Bulk item, 66 Ft (20.1 M) required this application]	A.R.
28	2104600		COVER, BOOM LIMIT SWITCH	1
29	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	2
30	07-065015		WASHER, HELICAL LOCK (5/16")	2
31	07-062014		WASHER, FLAT (1/4")	2

TITLE BOOM ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 2)

PLATE NO. B03.101	SIMON AERIALS INC.	REV. 16 APR., 1993	PART NO. A-C 3528720
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Art # B03.10101E

TITLE BOOM ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART NO. A-C 3528720

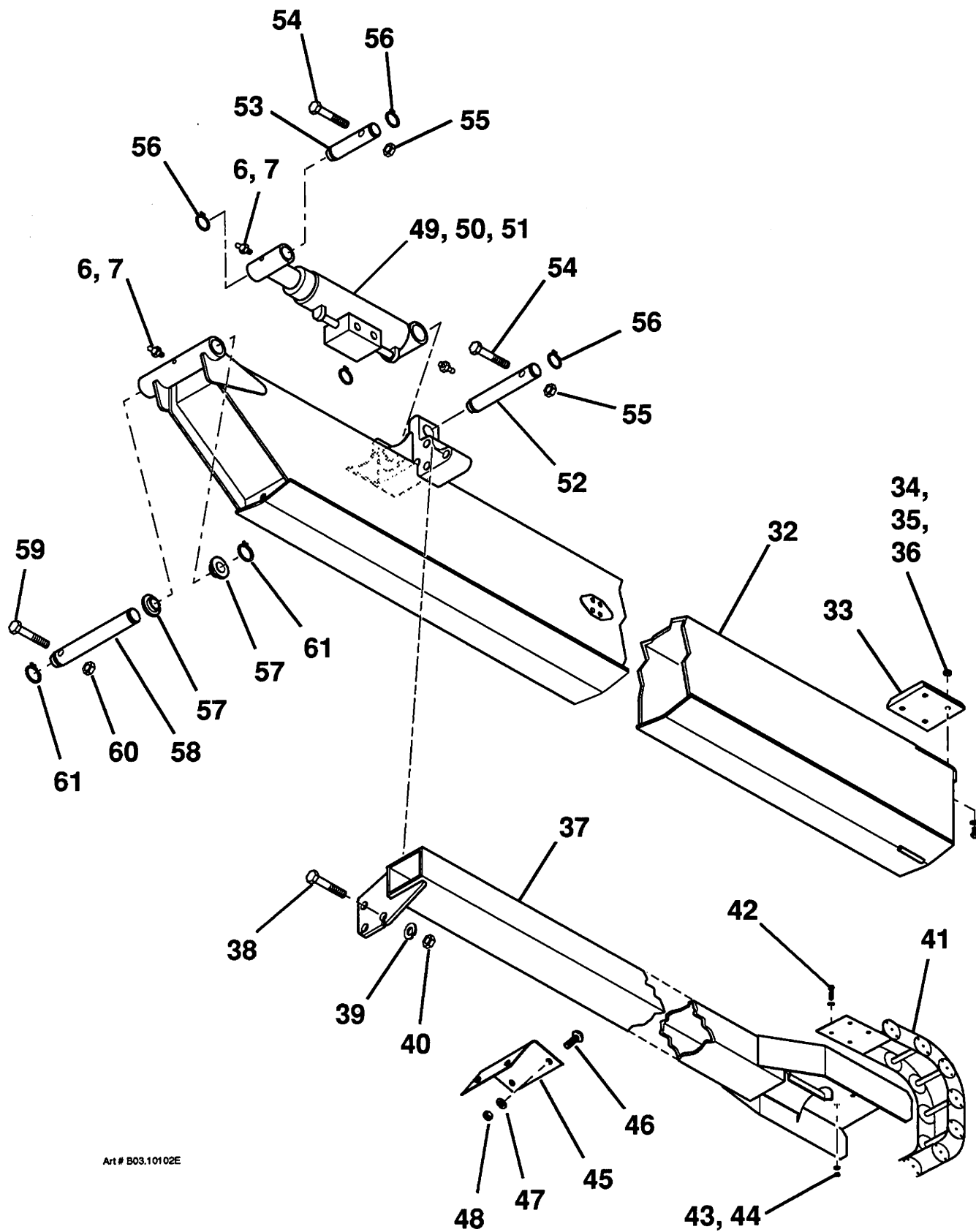
PLATE NO. B03.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	2189990		TIP BOOM WELDMENT	1
33	2189930		PAD, WEAR (6" x 7-5/8") (Tip boom, top, front)	1
34	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
35	07-065018		WASHER, HELICAL LOCK (1/2")	4
36	07-047018		NUT, JAM (1/2"-13, Grade 5)	4
37	2187940		ANCHOR WELDMENT, MOVING	1
38	07-003137		CAP SCREW, HEX HEAD (5/8"-11 x 4", Grade 5)	3
39	07-061021		WASHER, FLAT (5/8" SAE)	3
40	07-050021		NUT, STOP (5/8"-11, Grade 5)	3
41	08-058300		CARRIER, HOSE (Entire length, 29 links)	1
	08-058301		CARRIER, HOSE [3 Ft (.9 M) long repair section]	A.R.
42	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1")	8
43	07-062016		WASHER, FLAT (3/8")	10
44	07-050016		NUT, LOCK (3/8"-16, Grade 5)	8
45	2301010		PAD, WEAR (Moving anchor)	1
46	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1")	4
47	07-062016		WASHER, FLAT (3/8")	8
48	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
49	04-032700	D20.101	CYLINDER, SLAVE LEVEL	1
50	06-090300		REDUCER/ EXPANDER (6-4 F50G5-S)	2
51	06-049800		BRANCH TEE, STRAIGHT THREAD (4 S50X-S)	2
52			PIN, SLAVE CYLINDER (1-1/4" x 6-15/16") (Base end)	
	2192540		except Canada	1
	• 2313590		CSA standards	1
53			PIN, SLAVE CYLINDER (1-1/4" x 5-9/16") (Rod end)	
	2190580		except Canada	1
	• 2313610		CSA standards	1
54	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
55	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
56	08-040700		RING, RETAINING (1-1/4")	4
57	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long)	2
58	2192590		PIN, PLATFORM PIVOT (1-1/4" x 11-1/4") (except Canada)	1
	• 2313580		PIN, PLATFORM PIVOT (1-1/4" x 11-1/4") (CSA standards)	1
59	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	1
60	07-050016		NUT, LOCK (3/8"-16, Grade 5)	1
61	08-040700		RING, RETAINING (1-1/4")	2
62	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	7
63	03-064700		TIE, CABLE [14-1/2" (37 mm) long]	10
64	03-066400		TIE, CABLE [20" (51 mm) long]	14

TITLE BOOM ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 2)

PLATE NO.	B03.101	SIMON AERIALS INC.	REV. 16 APR., 1993	PART NO. A-C 3528720
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Art # B03.10102E

TITLE BOOM ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART NO. A-C 3528720

PLATE NO. B03.101

PARTS LIST

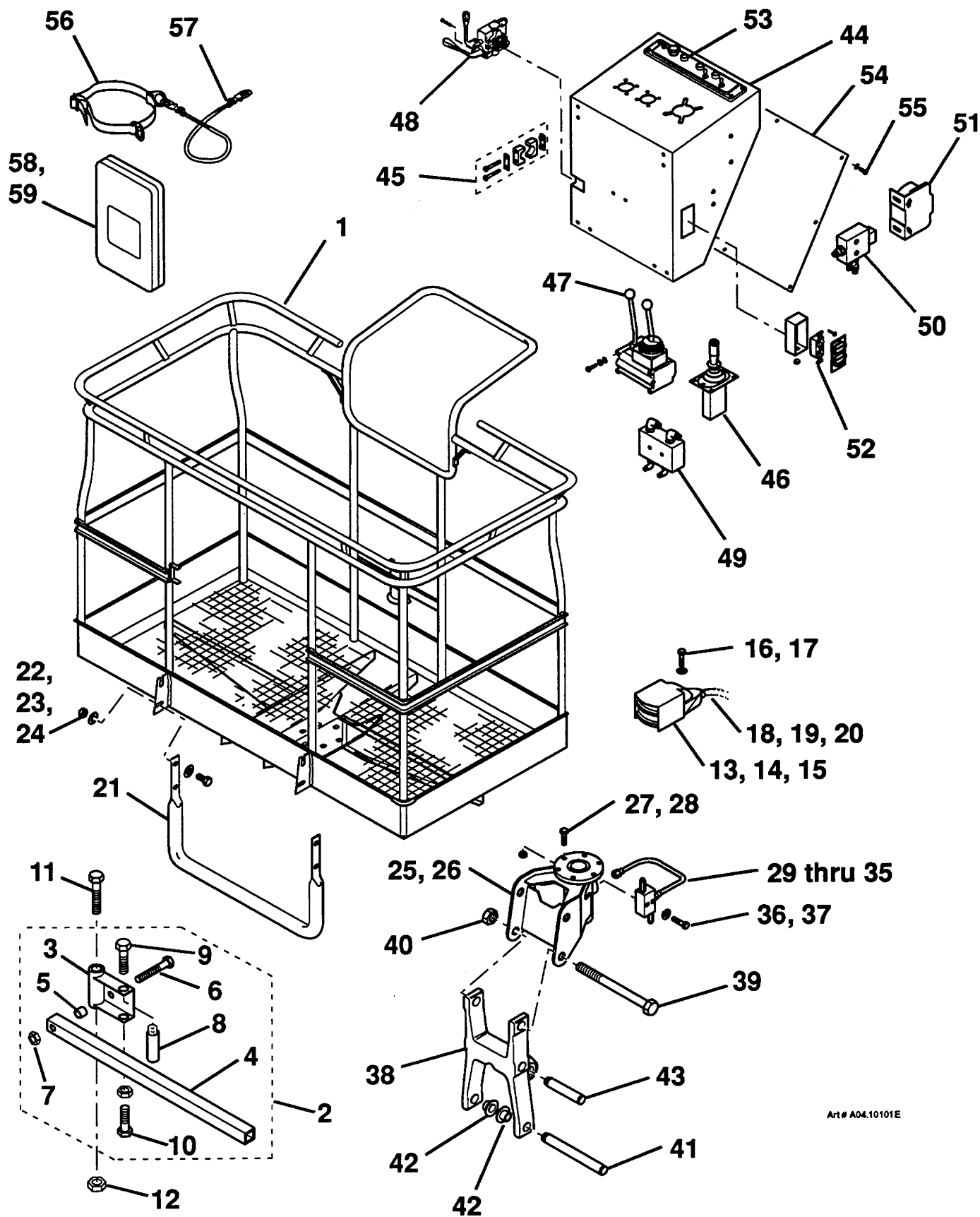
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2195480		PLATFORM WELDMENT [30" x 60" (.76 M x 1.52 M)]	1
2	3514160		BAR ASSEMBLY, LATCH	1
3	2041724		PIVOT, DOOR	1
4	2076577		BAR, LATCH	1
5	2041649		SPACER, LATCH BAR PIVOT	1
6	07-003047		SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
8	08-010100		SPRING AND TUBE ASSEMBLY	1
9	2108380		SPACER	1
10	07-003043		SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
11	07-003096		SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
12	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
13	03-021300		SWITCH ASSEMBLY, FOOT (Double pole)	1
14	03-021301		SWITCH (Double pole, double throw)	1
15	03-021302		COVER, SWITCH (Guard type, with latch)	1
16	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
17	07-065014		WASHER, HELICAL LOCK (1/4")	3
18	03-045000		REDUCER (3/4" to 1/2")	1
19	03-063300		GRIP, CORD (1/2", sealing)	1
20	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) [Bulk item, 6 Ft (1.8 M) required this application]	A.R.
21	2198710		STEP, PLATFORM	1
22	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
23	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
24	07-062016		WASHER, FLAT (7/16")	8
25	02-037800	D24.101	ACTUATOR, ROTARY (Helical type, 180°)	1
26	06-191900		CONNECTOR, STRAIGHT THREAD (4-6 F50X-S)	1
27	07-004089		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 8)	6
28	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
29	01-202000		MANIFOLD, PLATFORM ROTATOR	1
30	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	2
31	06-039500		ADAPTER (4-6 F50X-S)	1
32	06-047000		ELBOW, STRAIGHT THREAD (45°) (6 V50X-S)	1
33	06-060100		ADAPTER (6-4 TRTX-S)	1
34	06-057500		NUT (6 BTX-S)	1
35	3507654		TUBE ASSEMBLY	2
36	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
37	07-065016		WASHER, HELICAL LOCK (3/8")	2

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 2)

PLATE NO. B04.101 **SIMON AERIALS INC.**

REV. 16 APR., 1993

PART NO. A-D 3528730



Art# A04.10101E

TITLE	PLATFORM ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 2)	
SIMON AERIALS INC.	PART NO. A-D 3528730	PLATE NO. B04.101

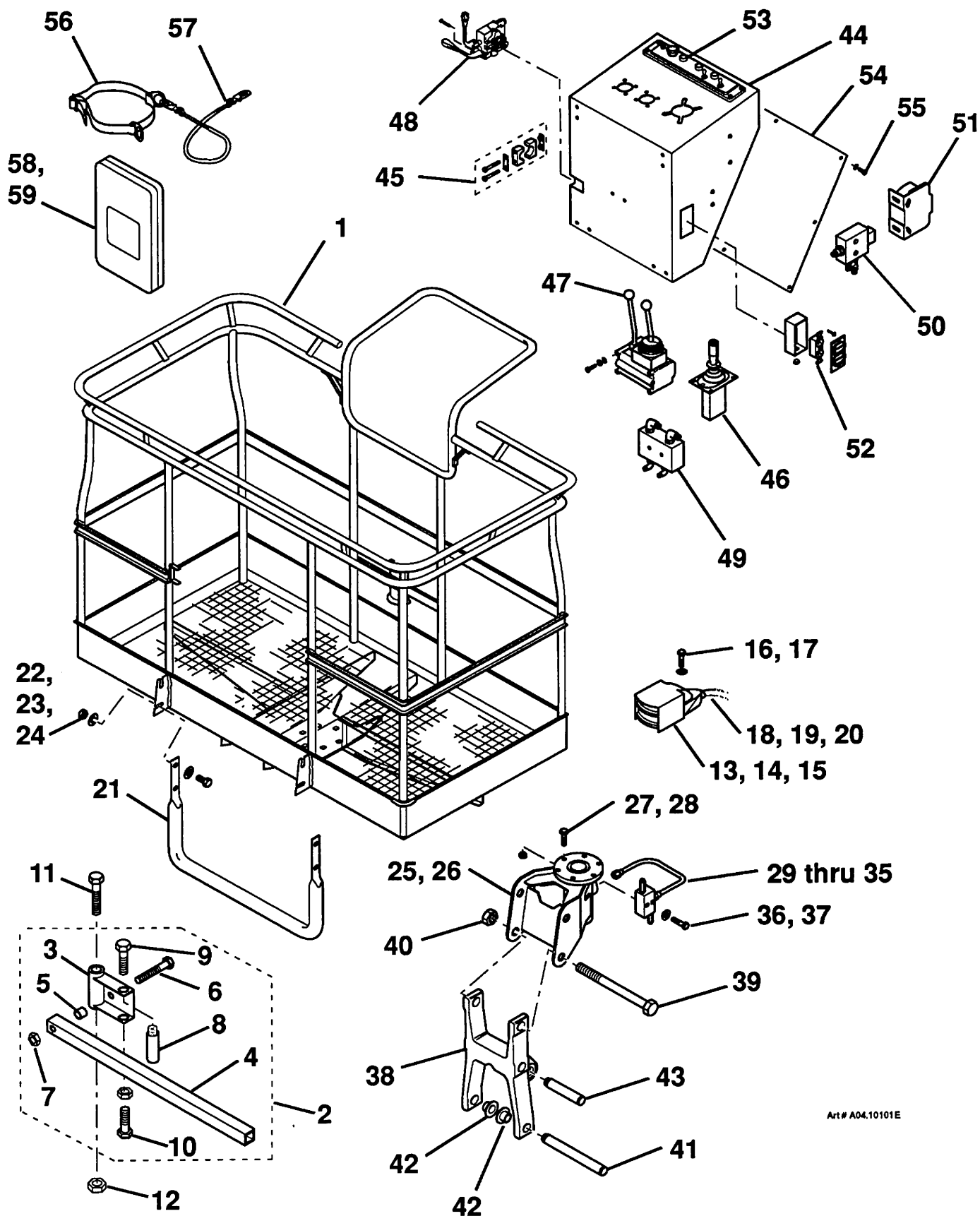
REV. 16 APR., 1993

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
38	219 2520		SUPPORT, PLATFORM	1
39	07-094100		CAP SCREW, HEX HEAD (1-1/4"-7 x 11", Grade 5)	2
40	07-094200		NUT, LOCK (1-1/4"-7, Grade 5)	2
41	2192590		PIN, PLATFORM PIVOT (1-1/4" x 11-1/4") (except Canada)	1
• 41	2313580		PIN, PLATFORM PIVOT (1-1/4" x 11-1/4") (CSA standards)	1
42	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long)	2
43	2190580		PIN, SLAVE CYLINDER (1-1/4" x 5-9/16") (Rod end) except Canada	1
• 43	2313610		CSA standards	1
44	3529470	C08.101	PLATFORM CONSOLE ASSEMBLY	1
45	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
46	3530760	D18.101	VALVE, DRIVE CONTROL	1
47	01-216000	C02.101	VALVE BANK, PLATFORM CONTROL	1
48	2300610	D14.101	VALVE, PLATFORM LEVEL AND ROTATE	1
49	01-001900		VALVE, CHECK (Pilot operated)	1
50	01-034400		VALVE, 2 WAY (includes non-removable coil)	1
51	03-464600		ALARM, TILT SENSOR (12-24 Volt DC, 102 DB)	1
52	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
53	3529460		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
54	2199060		COVER, CONTROL CONSOLE	1
55	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	7
56	10-034000		BELT, SAFETY	1
57	10-033900		LANYARD, SAFETY BELT	1
58	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
59	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
60	03-038800		LAMP, CONTROL PANEL (hooded) (option)	2
61	03-411300		BULB, PANEL LAMP (24 Volt, #304)	2
62	10-159100		COVER, CONSOLE CONTROLS (black vinyl) (option)	1
63	• 10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
64	• 07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
65	2054670		CLAMP, HOSE (2 hole, #4)	1
66	07-062014		WASHER, FLAT (1/4")	1
67	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
68	03-064700		TIE, CABLE [14-1/2" (37 mm) long]	5
69	03-066400		TIE, CABLE [20" (51 mm) long]	10
70	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	4

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 2)

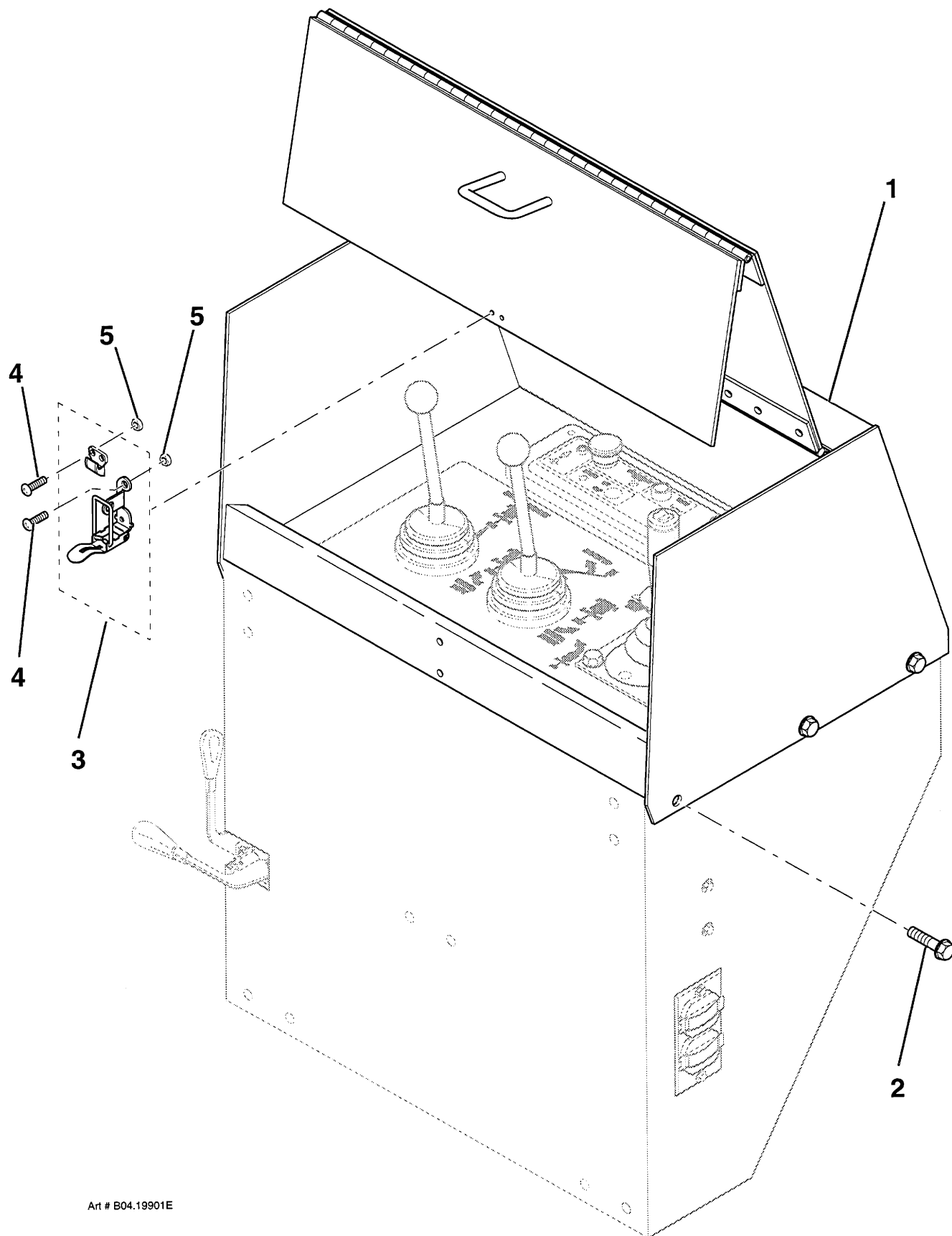
PLATE NO.	B04.101	SIMON AERIALS INC.	REV. 16 APR., 1993	PART NO. A-D 3528730
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TITLE	PLATFORM ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 2)
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[illegible]

PLATE NO. B04.199	SIMON AERIALS INC. NEW 17 JAN., 1996	PART NO. 232 3110
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TITLE PLATFORM CONSOLE COVER, TRAILBLAZER 40, 50, 60

SIMON AERIALS INC.

NEW 17 JAN., 1996

PART NO. 232 3110

PLATE NO. B04.199

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 0740		VALVE BANK ASSEMBLY, PLATFORM CONTROL for Trailblazer 40	1
	353 3910		for Trailblazer 50 or 60	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 43)	1
6	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
7	01-098416		TUBE ASSEMBLY, FEEDER (11/16" O.D.)	1
8			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
9			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
10			WASHER, SPLIT LOCK (1/4")	4
11			NUT, HEX (1/4"-20, Grade 5)	4
12	01-216003		SPRING CENTER KIT	3
13			CAP, END	1
14			SCREW	2
15			WASHER	1
16			SPRING, RETURN	1
17			SPACER	1
18			BOLT, SHOULDER	1
19	219 9301		BLOCK, PIVOT	1
20	01-098403		PIN, CLEVIS	1
21	01-098413		"C"-HOOK	1
22	01-098414		LINK	1
23	01-098409		WASHER, SPRING	1
24	01-098412		PIN, COTTER	3
25	01-098503		ROD, HANDLE (5-3/4" [146 mm] long)	1
26	01-098407		KNOB, BALL (Plastic)	1
27	01-098408		NUT, JAM	1

TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 1 OF 2)

PLATE NO. C02.101 **SIMON AERIALS INC.**

REV. 14 JAN., 1996

PART NO.

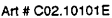
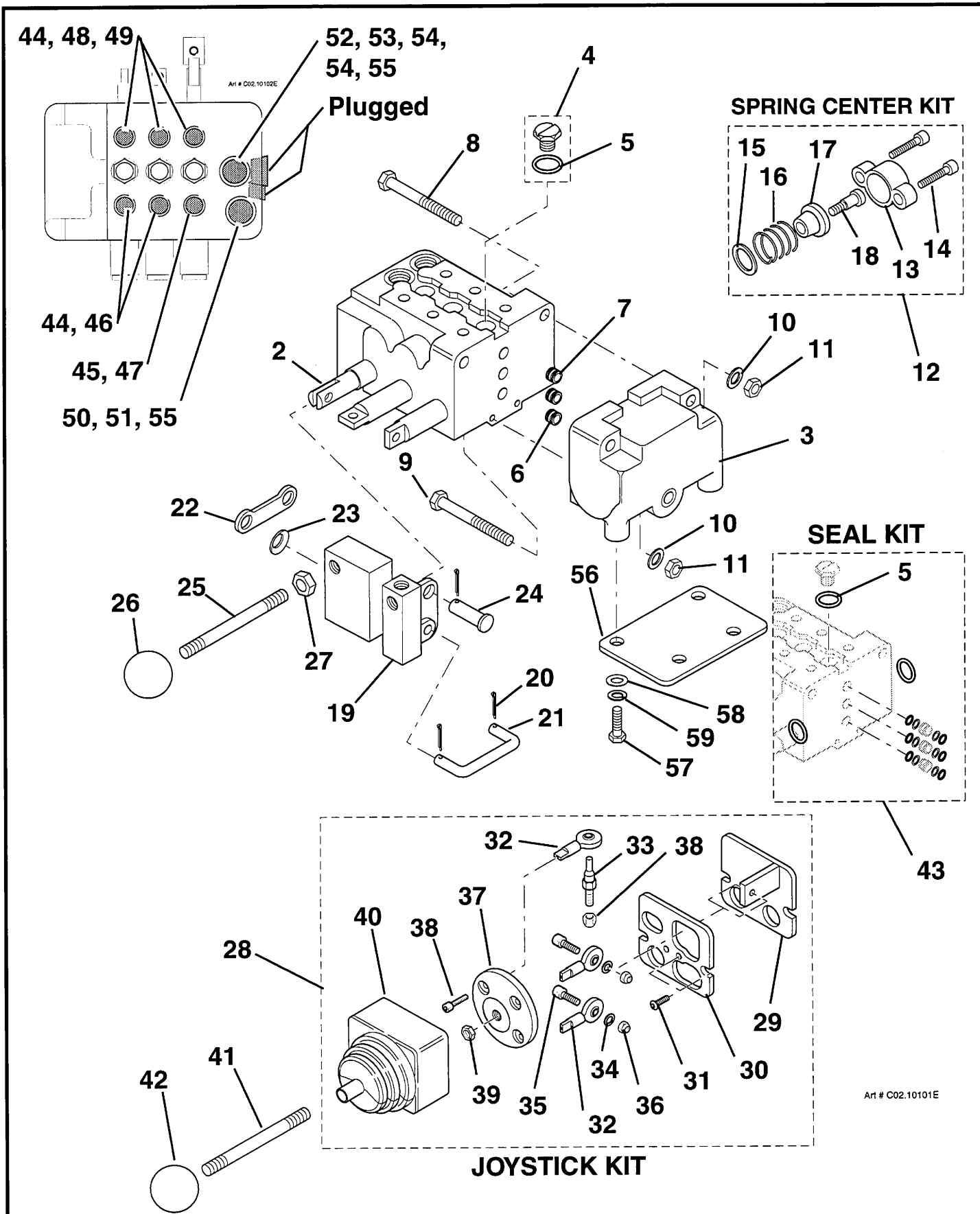


PLATE NO. C02.101

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			VALVE BANK, PLATFORM CONTROL (continued)	
28	01-216002		JOYSTICK KIT	1
29			BRACKET ASSEMBLY	1
30			PLATE, BOOT RETAINING	1
31			SCREW, BUTTON HEAD (1/2" long)	2
32			ROD END	3
33			STUD, ACTUATOR	1
34			SPACER	2
35			CAP SCREW, SOCKET HEAD (1" long)	2
36			NUT, JAM	3
37			ADAPTER, HANDLE	1
38			CAP SCREW, SOCKET HEAD (3/4" long)	3
39			NUT, JAM	1
40	01-216004		BOOT, JOYSTICK	1
41	01-098503		ROD, HANDLE (5-3/4" [146 mm] long)	1
42	01-098407		KNOB, BALL (Plastic)	1
			The following items are not included with the Valve Bank (Item 1), but are included with the Valve Bank Assembly :	
43	01-216001		SEAL KIT (will service 3 Spools)	1
44	06-090600		REDUCER/ EXPANDER (8-6 F5OG5-S)	5
45	06-090600		REDUCER/ EXPANDER (8-6 F5OG5-S) (for Trailblazer 40)	1
	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S) (for T 50 or 60)	1
46	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	2
47			90° ELBOW,	
	06-044600		"O"-RING TO 37° (6 C5OX-S) (for Trailblazer 40)	1
	06-051600		SWIVEL NUT (8 C6X-S) (for Trailblazer 50 or 60)	1
48	06-043000		ADAPTER (LONG), "O"-RING TO 37° (6 FF5OX-S)	3
49	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	3
50	06-045000		90° ELBOW, "O"-RING TO 37° (8-10 C5OX-S)	1
51	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	1
52	06-090900		REDUCER/ EXPANDER (10-8 F5O G5-S)	1
53	06-048600		RUN TEE, MALE "O"-RING TO 37° (8 R5OX-S)	1
54	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
55	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	2
56	2199290		BRACKET, VALVE BANK MOUNTING (for T 50 or 60)	1
57	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
58	07-062015		WASHER, FLAT (5/16")	4
59	07-065015		WASHER, HELICAL LOCK (5/16")	4
TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 2 OF 2)				
PLATE NO.	C02.101	SIMON AERIALS INC.		PART NO.
REV. 16 SEP., 1993				



TITLE PLATFORM VALVE BANK ASSEMBLY, 3 SPOOL (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 SEP., 1993

PART
NO.

PLATE
NO. C02.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-216100		VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 30)	1
6	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
7	01-098416		TUBE ASSEMBLY, FEEDER (1 1/16" O.D.)	1
8			BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
9			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
10			WASHER, SPLIT LOCK (1/4")	4
11			NUT, HEX (1/4"-20, Grade 5)	4
12			SPRING CENTER KIT	3
13			CAP, END	1
14			SCREW	2
15			WASHER	1
16			SPRING, RETURN	1
17			SPACER	1
18			BOLT, SHOULDER	1
19	01-098902		HANDLE KIT [for 5-3/4" (146 mm) long handle]	3
20	01-098402		BLOCK, PIVOT	1
21	01-098403		PIN, CLEVIS	1
22	01-098413		C-HOOK	1
23	01-098414		LINK (used on two spools)	1
24	01-098411		WASHER, FLAT (for spool not using link)	1
25	01-098409		WASHER, SPRING (1 for spools using link, 2 for spool not using link)	2
26	01-098412		PIN, COTTER	3
27	01-098503		ROD, HANDLE [5-3/4" (146 mm) long]	1
28	01-098407		KNOB, BALL (Plastic)	1
29	01-098408		NUT, JAM	1
30	01-216001		SEAL KIT (will service 3 Spools)	1
31	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	6
32	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F50X-S)	1
33	06-040700		ADAPTER, "O"-RING TO 37° (10 F50X-S)	1
34	07-003450		SCREW, HEX HEAD (5/16"-24 x 3/4")	4
35	07-062015		WASHER, FLAT (5/16")	4
36	07-065015		WASHER, SPLIT LOCK (5/16")	4

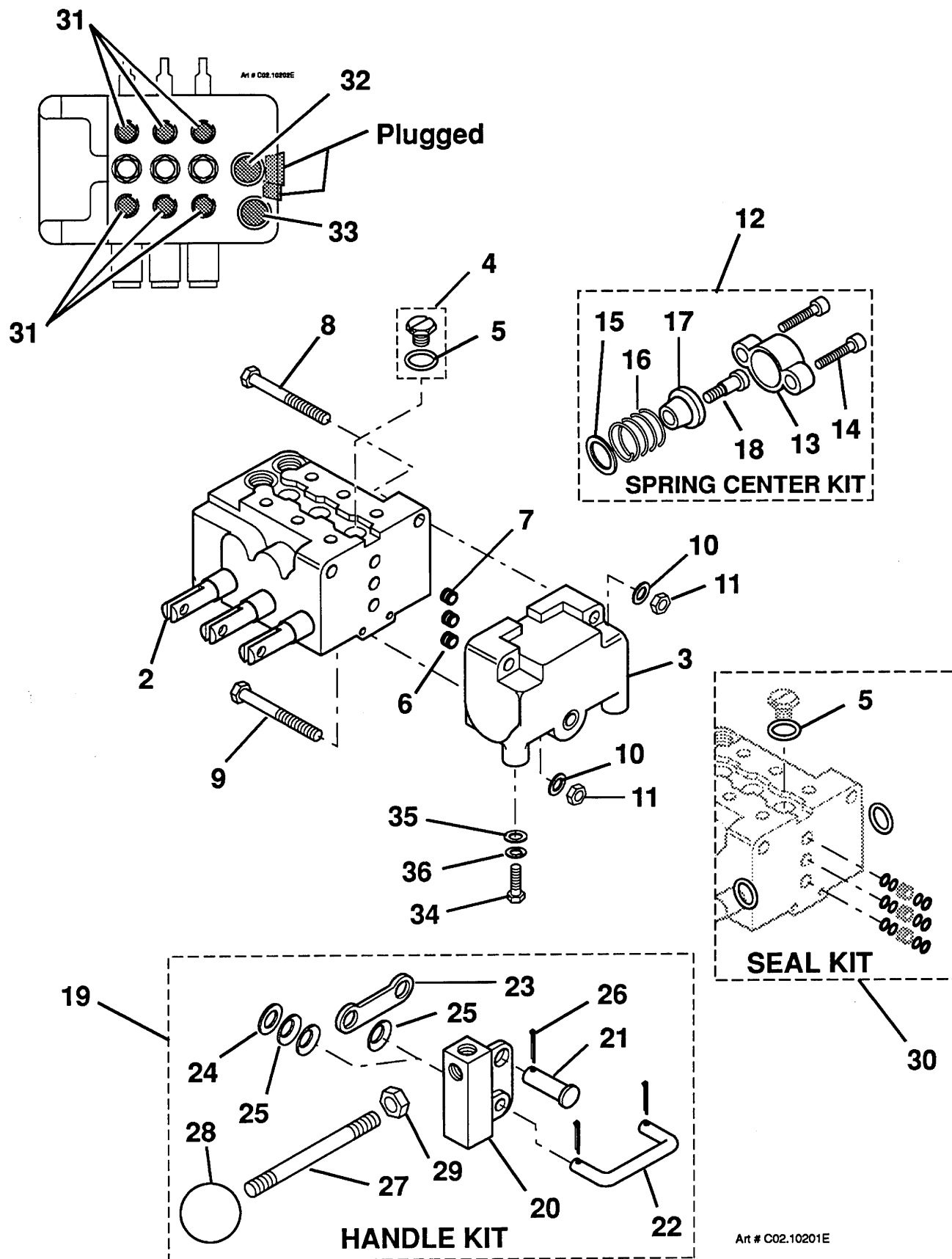
TITLE GROUND VALVE BANK ASSEMBLY, 3 SPOOL

PLATE NO. C02.102

SIMON AERIALS INC.

NEW 14 JAN., 1993

PART NO. 3530350



TITLE GROUND VALVE BANK ASSEMBLY, 3 SPOOL

SIMON AERIALS INC.

NEW 14 JAN., 1993

PART NO. 3530350

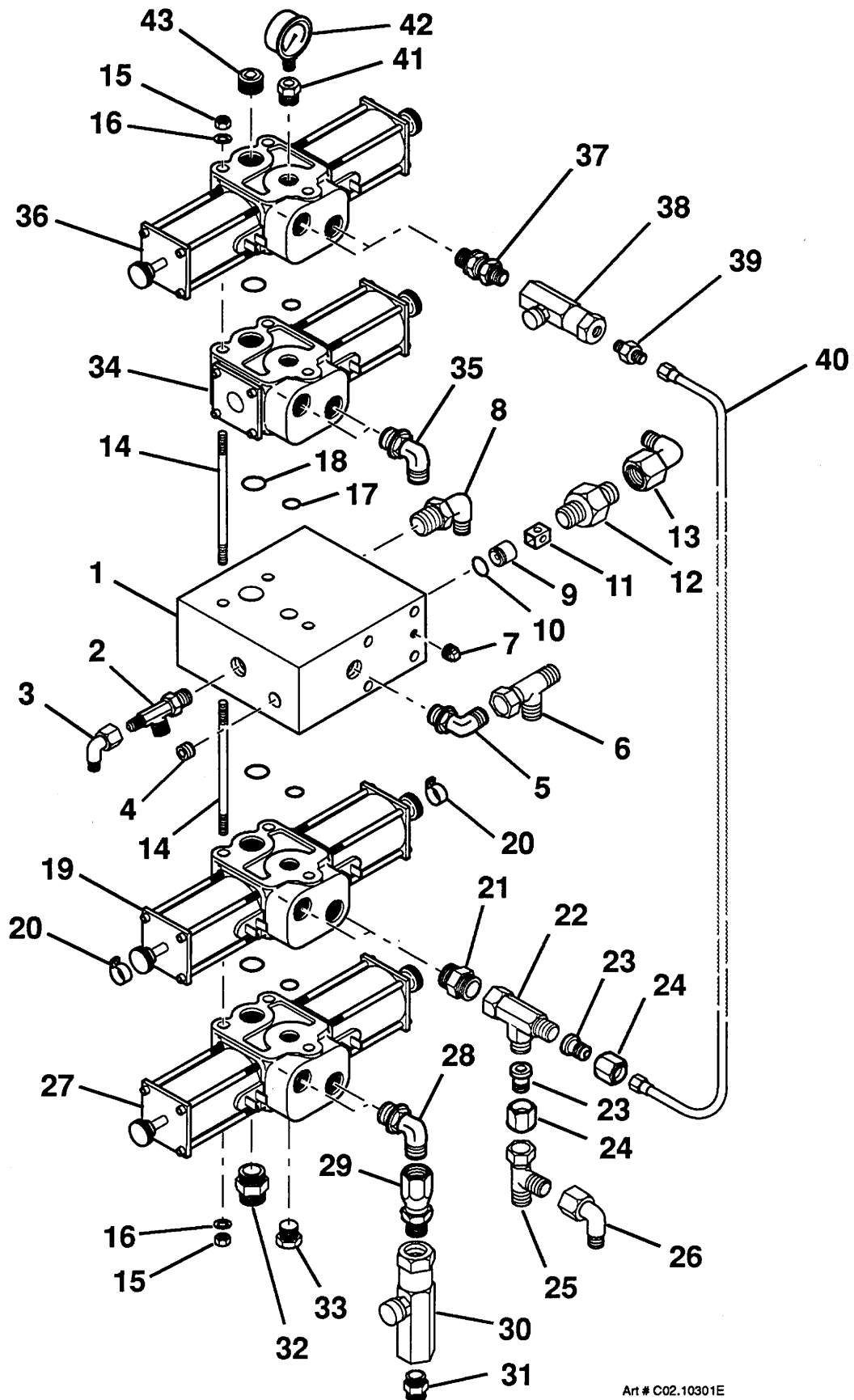
PLATE NO. C02.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2025214		MANIFOLD, CONTROL VALVE	1
2	06-048600		RUN TEE, MALE "O"-RING (8 R50X-S)	1
3	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
4	06-095100		PLUG, HEX SOCKET (8 HP50N)	1
5	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
6	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
7			PLUG, SQUARE HEAD	1
8	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	1
9	01-034100		VALVE, CARTRIDGE CHECK	
			[3000 PSI (207 bar) (211 Kg/ cm ²)]	1
10	01-034200		"O"-RING (1.051" I.D., .070" thick)	1
11	2015109		SPACER, CHECK VALVE	1
12	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	1
13	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1
14	2096568		ROD, THREADED (3/8"-16 x 6-1/4")	6
15	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
16	07-065016		WASHER, HELICAL LOCK (3/8")	6
17	01-031702		"O"-RING (3/4" O.D.)	4
18	01-031703		"O"-RING (1-1/16" O.D.)	4
19	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
20			BAND (to prevent manual operation of valve)	2
21	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	2
22	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
23	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	4
24	06-057800		NUT, TUBE (12 BTX-S)	4
25	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	2
26	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
27	01-031700	D13.01	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
28	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	2
29	06-079000		ADAPTER (6 F65X-S)	2
30	01-018900		VALVE, FLOW CONTROL (Needle valve, #6 SAE ports)	2
31	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	2
32	06-040500		ADAPTER, "O"-RING TO 37° (10-8 F50X-S)	1
33	06-095000		PLUG, HEX SOCKET (8 HP50N)	1

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (T-40) (PLATE 1 OF 2)

PLATE NO. C02.103	SIMON AERIALS INC.	NEW 18 JAN., 1993	PART NO. 3529570
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Art # C02.10301E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (T-40) (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 18 JAN., 1993

PART NO. 3529570

PLATE NO. C02.103

PARTS LIST

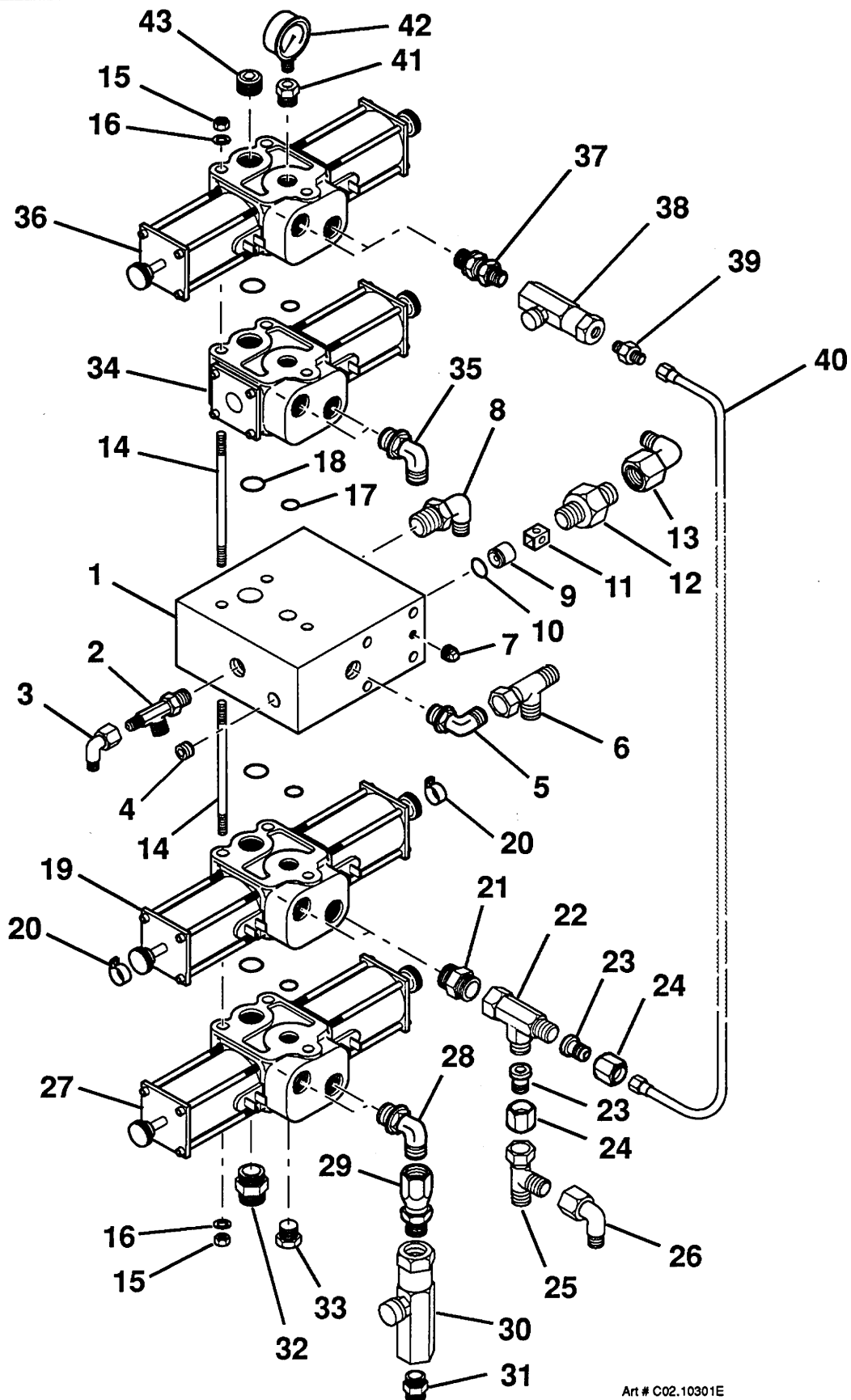
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TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (T-40) (PLATE 2 OF 2)

PLATE NO.	C02.103	SIMON AERIALS INC.
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NEW 18 JAN., 1993

PART NO. 3529570



Art # C02.10301E

TITLE MANIFOLD ASSEMBLY, DRIVE/ STEER (T-40) (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 18 JAN., 1993

PART NO. 3529570

PLATE NO. C02.103

PARTS LIST

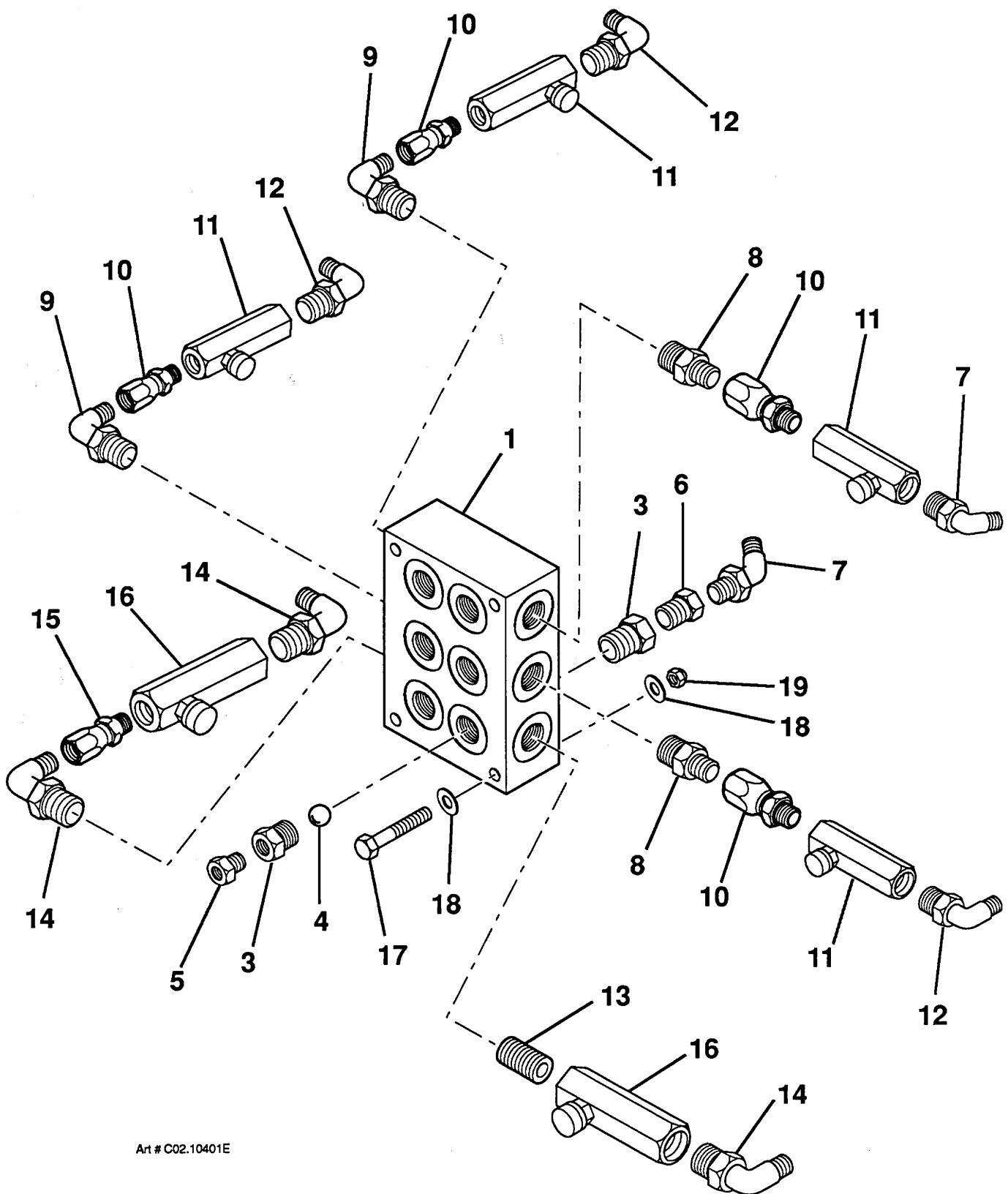
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TITLE SHUTTLE VALVE ASSEMBLY, TRAILBLAZER T-40

PLATE NO.	C02.104	SIMON AERIALS INC.
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NEW 15 JAN., 1993

PART NO.	3529860
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Art # C02.10401E

TITLE SHUTTLE VALVE ASSEMBLY, TRAILBLAZER T-40

SIMON AERIALS INC.

NEW 15 JAN., 1993

PART
NO.

3529860

PLATE
NO.

C02.104

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 9590		GROUND CONTROL BOX ASSEMBLY For Trailblazer 40 with serial number APA 00150 and below (electrical wiring through left side of panel)	
	353 2870		For Trailblazer 40 with serial number APA 00151 and above (electrical wiring through bottom of panel) (shown)	
	353 2870		For Trailblazer 50 or 60 (shown)	
1	219 7210		ELECTRICAL BOX, GROUND CONTROL Electrical wiring enters through left side (earlier versions)	1
	231 0430		Electrical wiring enters through bottom (current versions)	
2	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 Ft) (5 Ft [1.5 M] required this application)	A.R.
3	219 6530		SUB PLATE, MOUNTING	1
4	07-013411		MACHINE SCREW, ROUND HEAD (#10-32 x 5/16", Gr. 2)	2
5	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	2
6	07-117600		WASHER, EXTERNAL TOOTH (#10)	2
7	10-144300		DECAL, GROUND CONTROL	1
8	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
9	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
10	03-492400		GAUGE, OIL PRESSURE (12 Volt DC) 0 to 100 PSI (0 to 690 kPa) (comes with control box ass'y.)	1
	03-496400		0 to 40 PSI (0 to 276 kPa) (needed for some applications)	
11	01-225700		"O"-RING (Meter seal to panel)	3
12	03-024000		BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)	1
13	03-496000		BUTTON, EMERGENCY STOP Red and Silver, pull to reset (earlier version)	1
	03-702000	shown	Red, pull to reset (current version)	
14	01-037400		"O"-RING (.351" O.D., .072" thick)	1
15	03-454900		BASE, CONTACT BLOCK (for current Button 03-702000)	1
16			BLOCK, CONTACT (Normally closed)	1
	03-496300		for earlier Button 03-496000	
	03-437300		for current Button 03-702000	
17	03-020400		SWITCH, TOGGLE (Engine speed) (some earlier versions) (2 position, maintained contact, single pole, single throw)	1
18	03-497900		SEAL, PANEL	A.R.
19	03-496100		SWITCH, KEY OPERATED (3 position) (includes two keys)	1
20	03-496200		BLOCK, CONTACT (Normally open)	2
21	03-402500		SWITCH (10 Amp, 250 Volt AC)	2
22	03-402800		BUTTON, PUSH (Blue) (Choke/ Glow plug) (Engine start) (Some earlier versions used Red [03-402700] or Green [03-402900] push buttons. Order 03-402800.)	2
23	03-402600		SEAL, SWITCH BEZEL	2
24	10-151000		CAP, VINYL (Black)	2

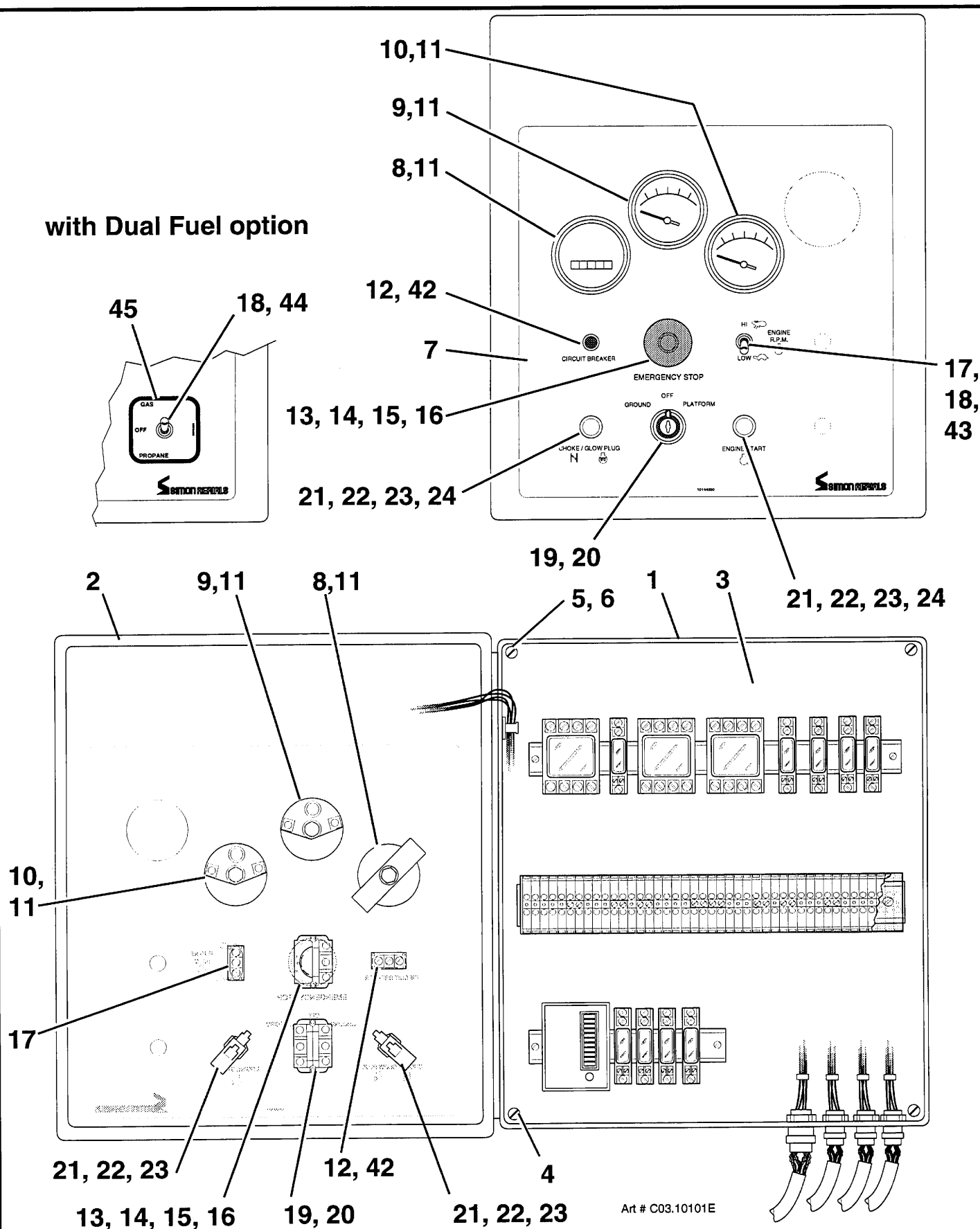
TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

PLATE NO. C03.101 **SIMON AERIALS INC.**

REV. 18 JAN., 1996

PART NO.

with Dual Fuel option



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

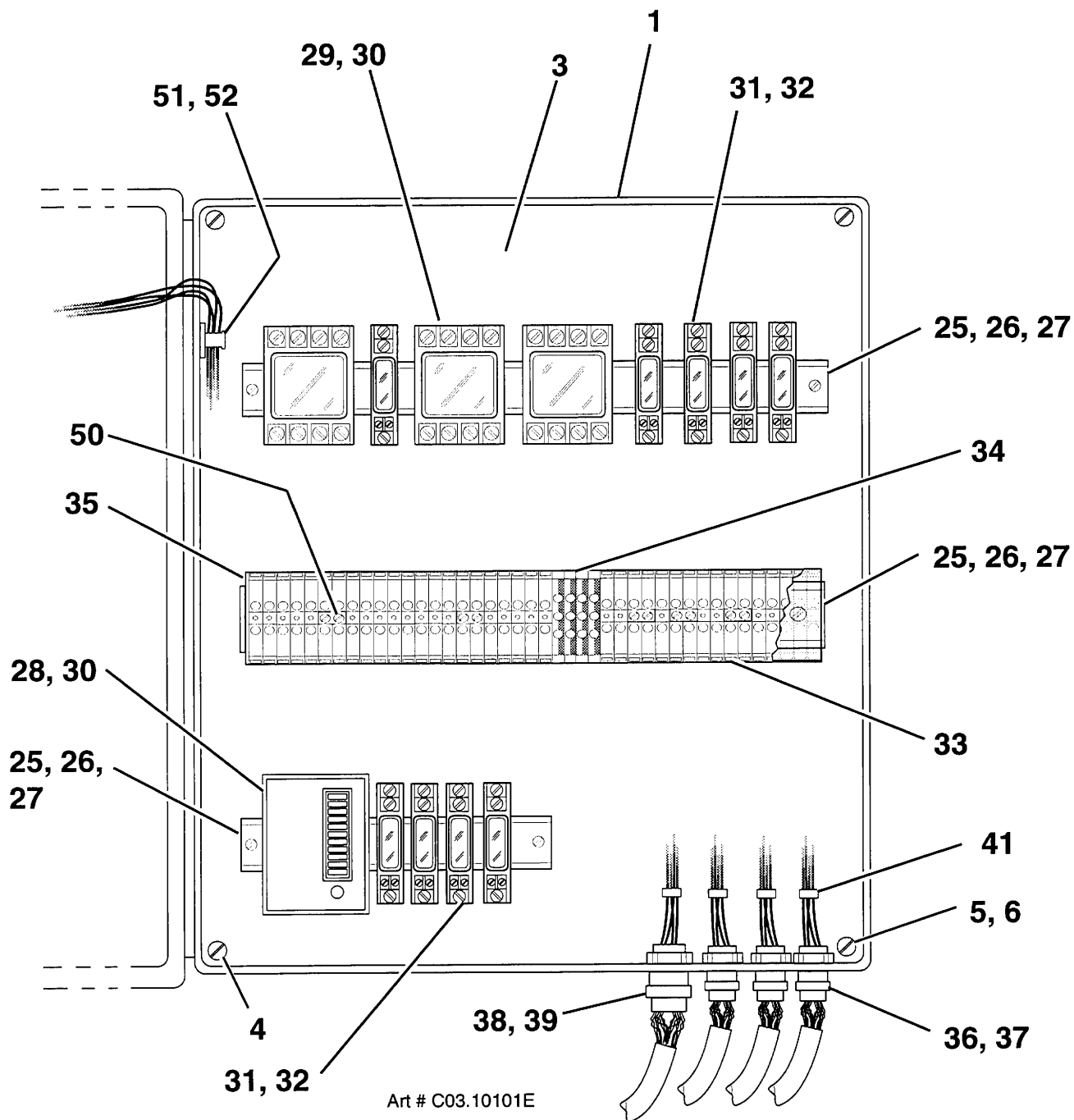
PART
NO.

PLATE
NO. C03.101

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PLATE NO.	C03.101	SIMON AERIALS INC.
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PART
NO.



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

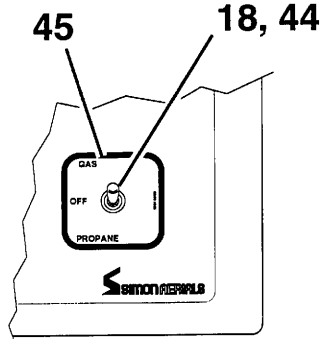
REV. 18 JAN., 1996

PART
NO.

PLATE
NO. C03.101

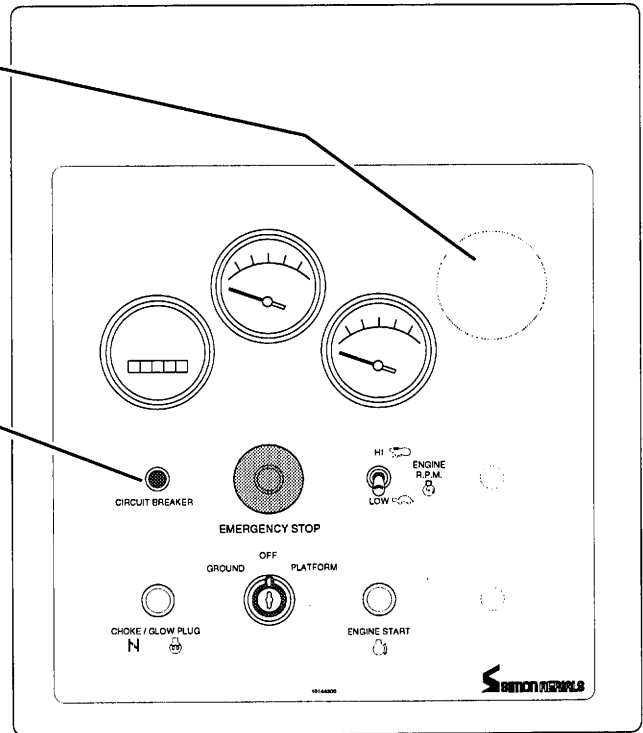
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NO.

with Dual Fuel option



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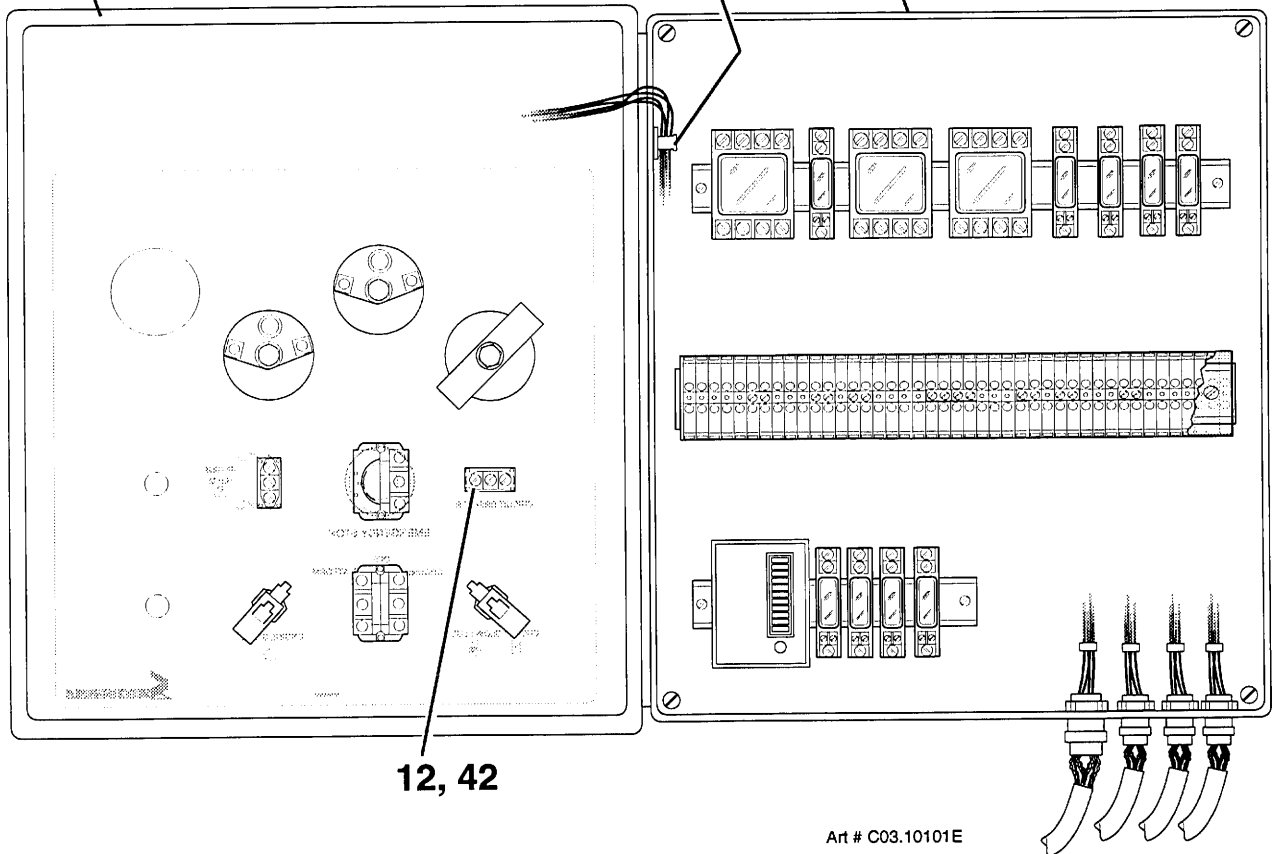
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Art # C03.10101E

TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

PART
NO.

PLATE
NO. **C03.101**

PARTS LIST

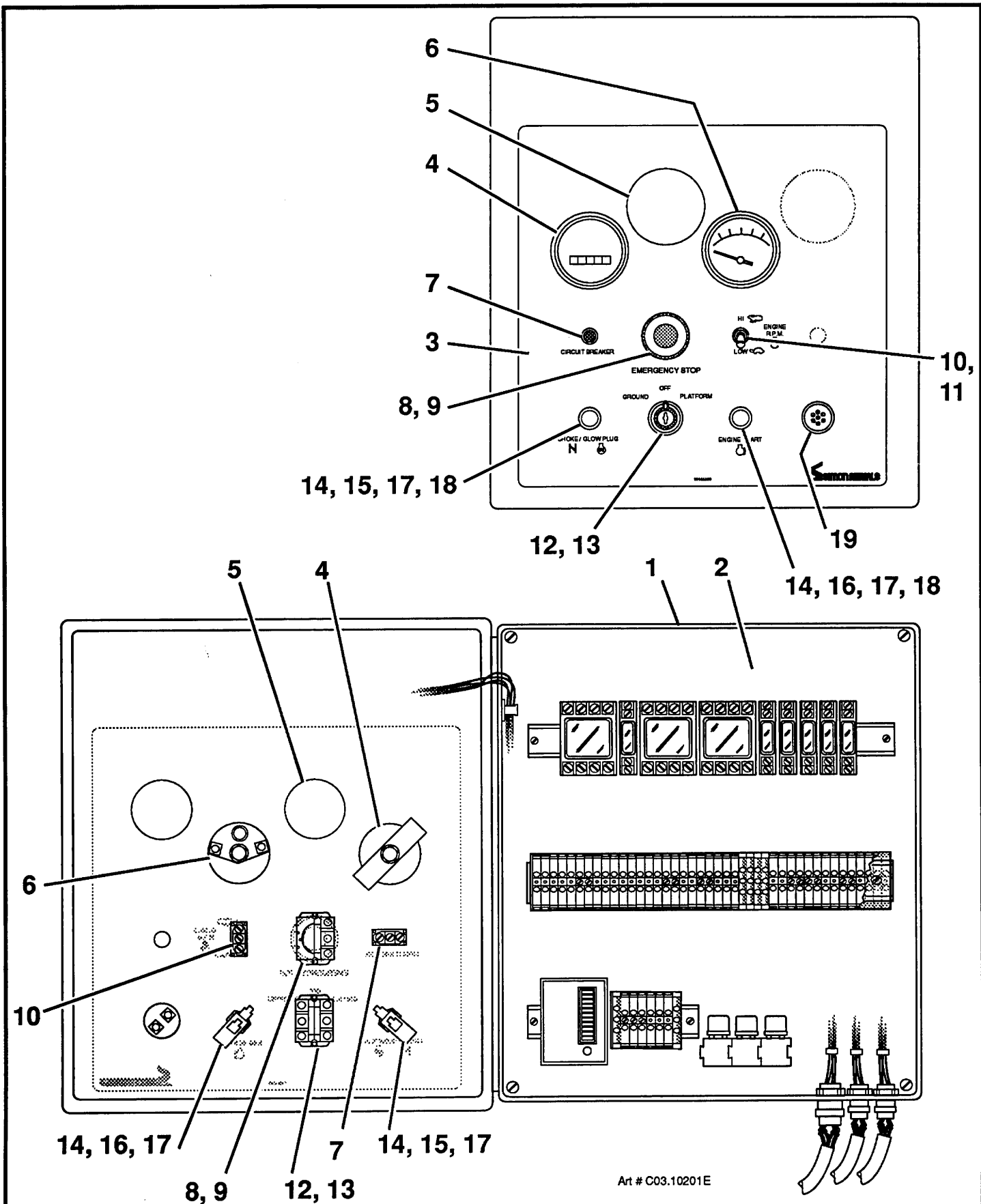
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TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)

PLATE NO. C03.102	SIMON AERIALS INC.
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NEW 17 FEB., 1993

PART NO. 2306720



TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 2)		
SIMON AERIALS INC.	NEW 17 FEB., 1993	PART NO. 2306720	PLATE NO. C03.102

PARTS LIST

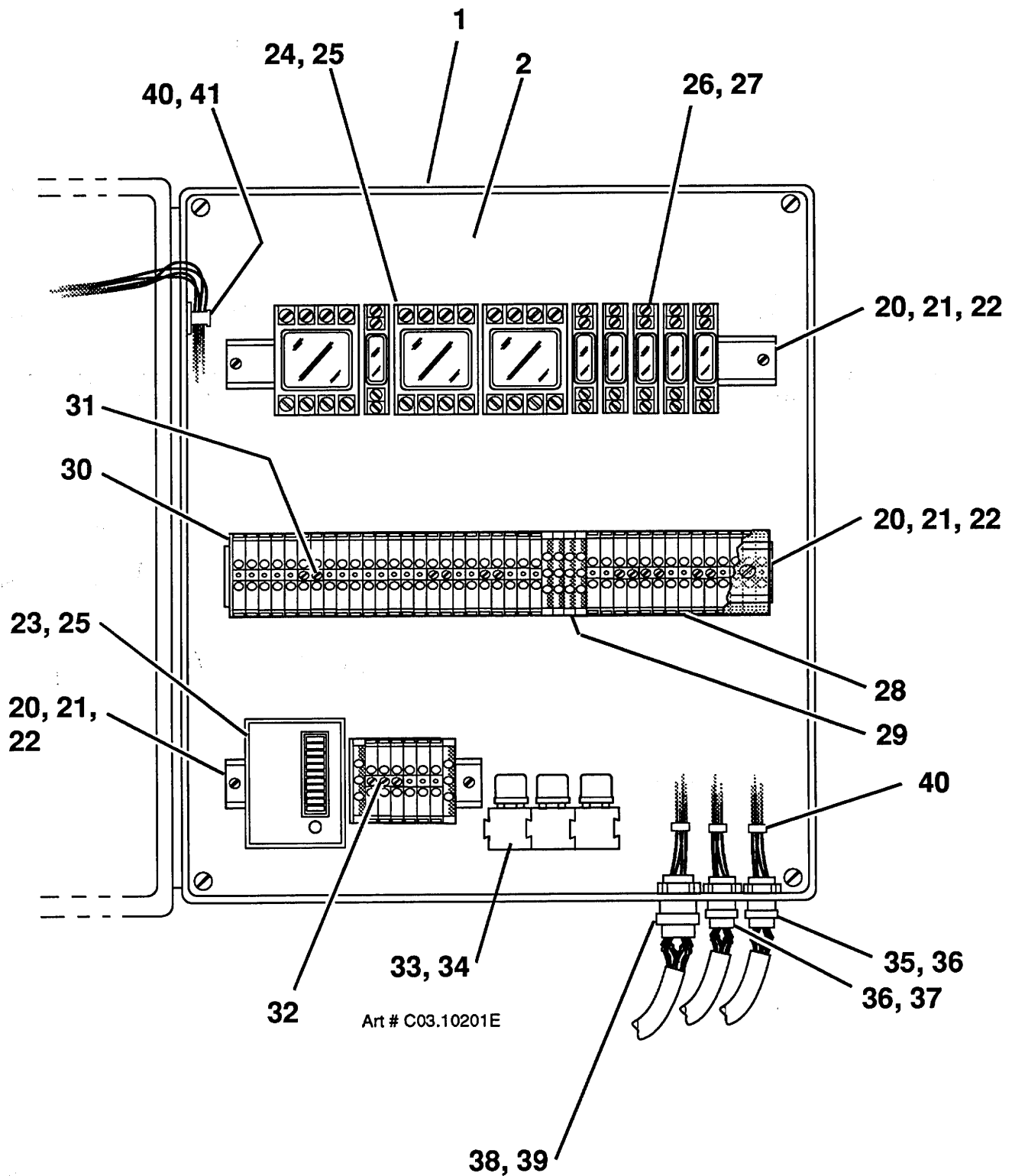
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TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

PLATE NO. C03.102	SIMON AERIALS INC.
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NEW 17 FEB., 1993

PART NO. 2306720



TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 17 FEB., 1993

PART NO. 2306720

PLATE NO. C03.102

PARTS LIST

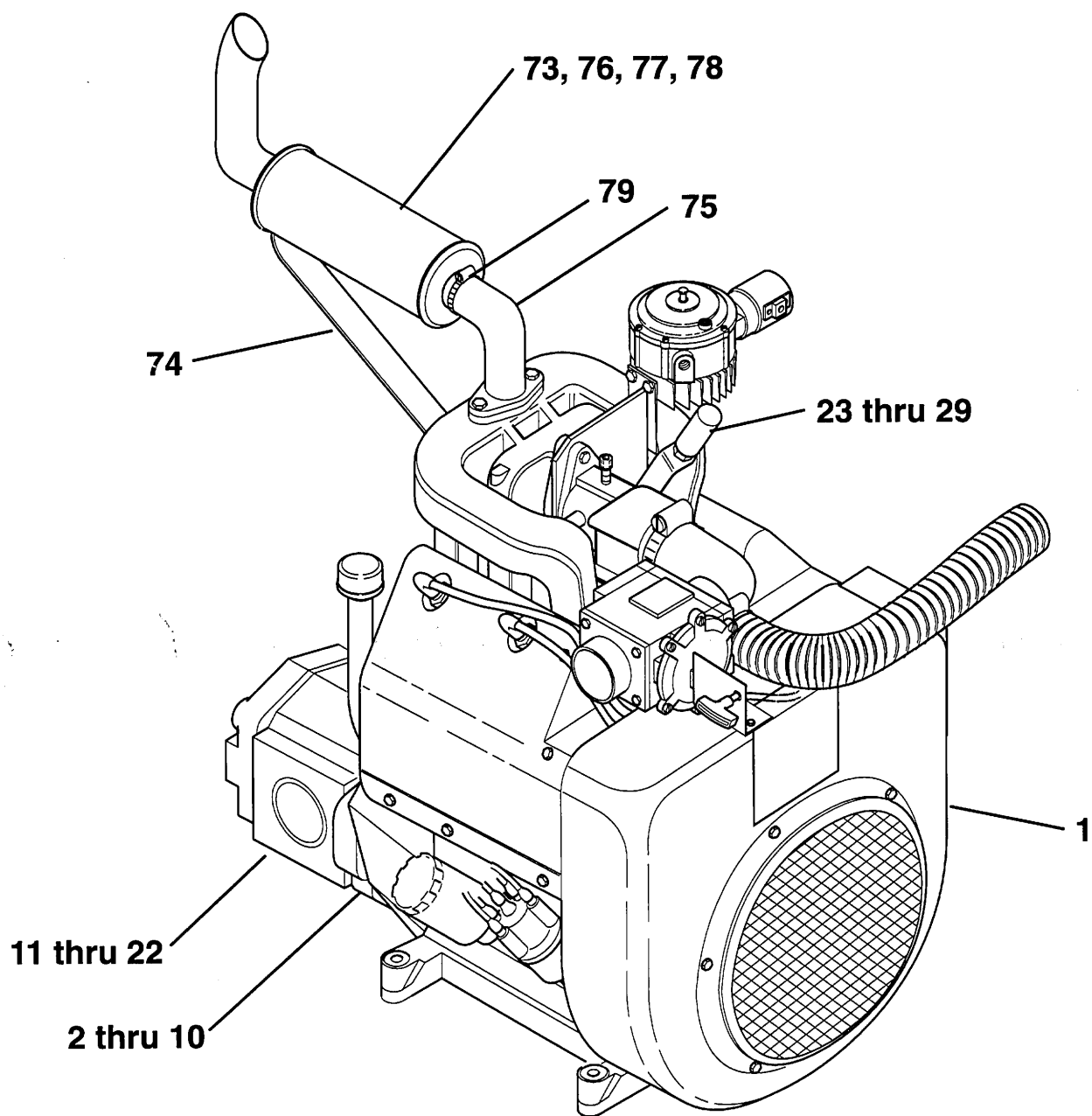
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE ASSEMBLY (Wisconsin W4-1770) [35 HP (26 Kw) air cooled four cylinder] Gasoline	1
	3529980		Dual fuel	1
1			ENGINE ASSEMBLY (Wisconsin W4-1770) 35 HP (26 Kw) air cooled gas four cylinder	1
	09-006700		35 HP (26 Kw) air cooled dual fuel four cylinder	1
2	09-021000		COUPLING ASSEMBLY (14 tooth spline)	1
	02-008200		KEY (3/8" x 1-1/2")	1
3	2157400		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 5)	2
4	07-008046		ADAPTER, PUMP	1
5	2199740		BRACKET, THROTTLE SOLENOID	1
6	2150280		CAP SCREW, HEX HEAD (7/16"-14 x 2", Grade 5) (bottom)	2
7	07-003069		CAP SCREW, HEX HEAD (7/16"-14 x 2-1/2", Grade 5) (top)	2
8	07-003071		WASHER, HELICAL LOCK (7/16")	4
9	07-065017		WASHER, FLAT (7/16") (with long screws in upper holes)	6
10	07-062017		PUMP, HYDRAULIC	1
11	01-206900	D08.13	CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4
12	07-004127		WASHER, HELICAL LOCK (5/8")	4
13	07-065021		WASHER, FLAT (5/8", standard)	4
14	07-060021		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
15	06-195700		FLANGE (4 bolt SAE #1, LI-16-16S-30)	1
16	06-202100		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
17	06-045600		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	1
18	06-044700		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
19	06-191900		VALVE, SOLENOID (2 way)	1
20	01-013700		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
21	07-003087		WASHER, HELICAL LOCK (1/2")	4
22	07-065018		BRACKET, CHOKE	1
23	2141550		CAP SCREW, SOCKET HEAD (#8-32 x 1/2", Grade 8)	2
24	07-092800		WASHER, INTERNAL TOOTH LOCK (#8)	2
25	07-092900		LEVER, CHOKE (comes with engine)	1
26			CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
27	03-452100		SPRING, CHOKE RETURN	1
28	10-110600		ROLL PIN (1/8" x 1")	1
29	07-075414		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
30	09-052200		LEVER AND CHAIN, THROTTLE PIVOT (modified, comes with engine)	1
31			NUT, COUPLING (1/4"-28, modified)	1
32	2107940		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	1
33	07-011334		NUT, STOP (#6-32, Grade 5)	1
34	07-050007			

TITLE ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 1 OF 3)

PLATE NO. C04.101 **SIMON AERIALS INC.**

REV. 05 APR., 1994

PART NO.



Art # C04.10101E

TITLE ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 05 APR., 1994

**PART
NO.**

**PLATE
NO.** C04.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
35			SPRING, GOVERNOR (comes with engine)	1
36	03-456900		SOLENOID, THROTTLE (with module)	1
37	03-456803		MODULE, TIMER	1
38	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 5)	2
39	07-050011		NUT, HEX LOCK (#10-24, Grade 2)	2
40	07-062009		WASHER, FLAT (#8)	4
41	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	4
42	07-060014		WASHER, FLAT (1/4" SAE)	4
43	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
44	07-047114		NUT, JAM (1/4"-28, Grade 5)	1
45	03-051300		RELAY, SOLENOID (Single pole, single throw)	1
46	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	2
47	07-060014		WASHER, FLAT (1/4" SAE)	4
48	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
49	03-467500		RELAY, CHOKE (Single pole, single throw, 12 Volt DC, normally open, sealed)	1
50	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	1
51	07-060014		WASHER, FLAT (1/4" SAE)	2
52	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5) (gas only)	1
53	03-468700		STRIP, TERMINAL (Barrier type, 14 contact)	1
54	2301530		BRACKET, TERMINAL STRIP [4-1/2" (114 mm)]	1
55	2301520		BRACKET, TERMINAL STRIP [7" (178 mm)]	1
56	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	2
57	07-062014		WASHER, FLAT (1/4")	2
58	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
59	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	2
60	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	2
61	03-074000		CABLE, BATTERY [Black, 9-3/4" (24.8 cm) long, 3/8" lugs]	1
62	06-006300		LONG 90° ELBOW, 37° to NPT (4 CCTX-S)	1
63	09-006500		MOUNT, ENGINE	4
64	07-003097		CAP SCREW, HEX HEAD (1/2"-13 x 4", Grade 5)	4
65	07-062018		WASHER, FLAT (1/2")	8
66	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	4
67	2198990		PLATE, ENGINE MOUNTING	1
68	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
69	07-062016		WASHER, FLAT (3/8")	16
70	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	8
71	11-061700		REDUCER (1-1/2" to 1-1/4" NPT)	1
72	11-050002		LONG ELBOW, FEMALE (1-1/2" NPT)	1

TITLE

ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 2 OF 3)

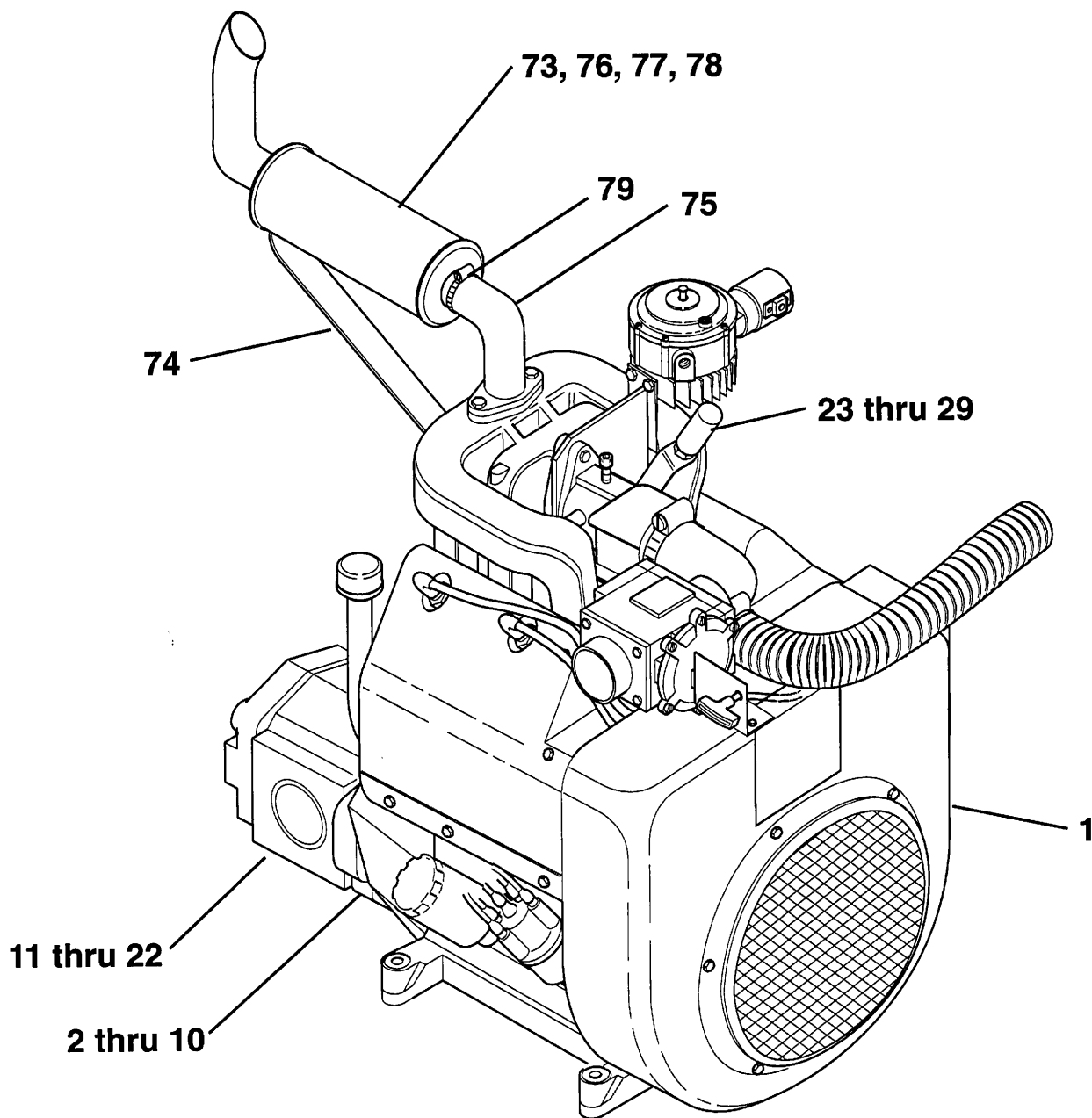
PLATE NO.

C04.101

SIMON AERIALS INC.

REV. 05 APR., 1994

PART NO.



Art # C04.10101E

TITLE ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 05 APR., 1994

PART
NO.

PLATE
NO. C04.101

PARTS LIST

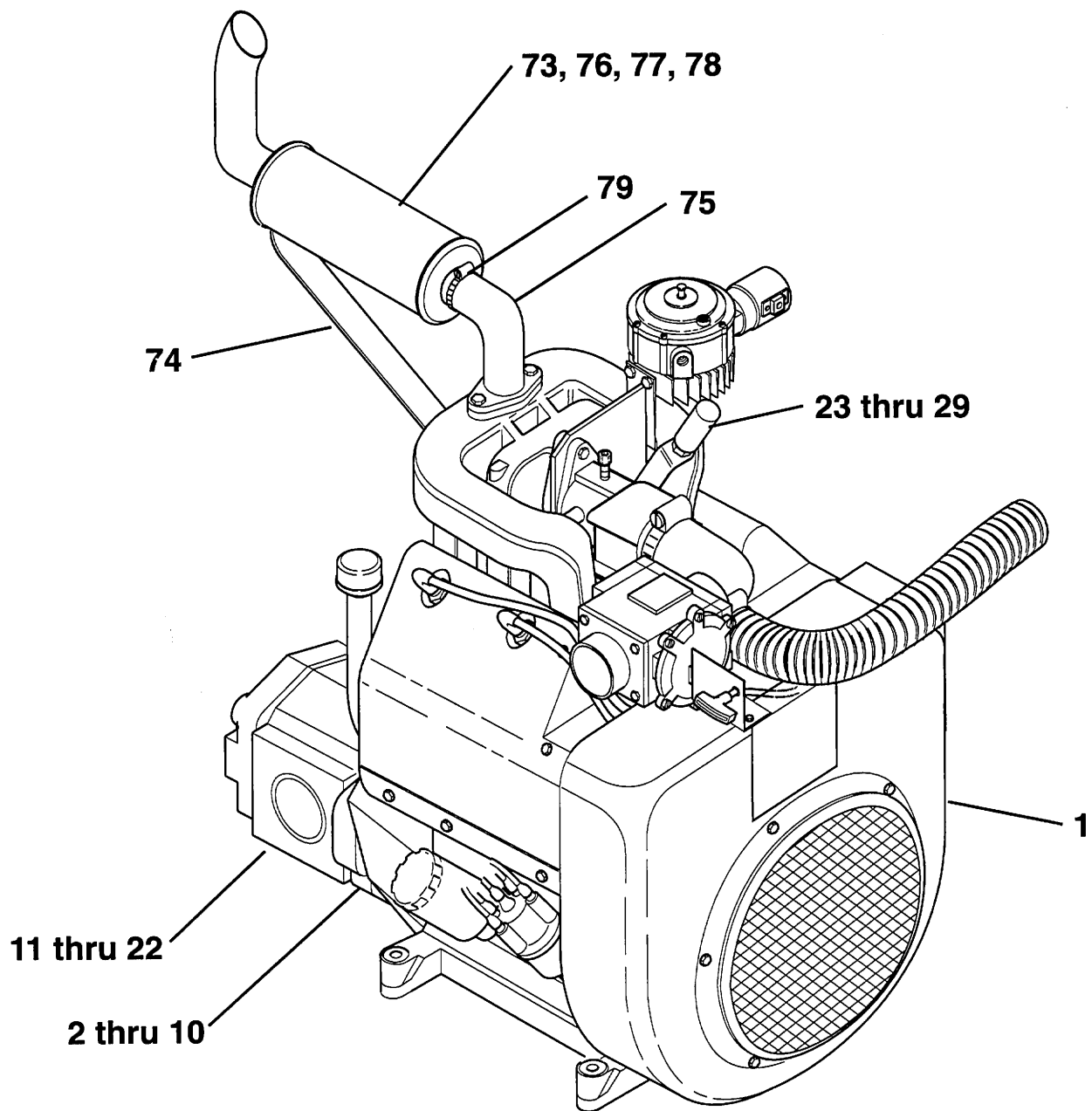
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
73	2199970		MUFFLER ASSEMBLY	1
74	2307830		BRACKET, MUFFLER	1
75	2199920		ELBOW, EXHAUST	1
76	11-085900		FABRIC, HIGH TEMPERATURE (60" wide) (Bulk item, order as needed)	A.R.
77	11-086000		FABRIC, HIGH TEMPERATURE (2" strip) (Bulk item, order as needed)	A.R.
78	09-014900		CLAMP, HOSE (5-1/2")	3
79	09-005700		CLAMP, WORM (1-1/8" to 3")	2
80	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item) [50 Ft (15.2 M) required this application]	A.R.
81	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item) [4 Ft (1.2 M) required this application]	A.R.
82	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item) [1 Ft (30.5 cm) required this application]	A.R.
83	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk item) [6 Ft (1.8 M) required this application]	A.R.
84	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item) [6 Ft (1.8 M) required this application]	A.R.
85	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.) [3 Ft (.9 M) required this application]	A.R.
86	03-064000		TIE, CABLE [7.4" (188 mm) long]	2
87	03-469200		SOCKET, RELAY	1
			The following items are not part of the engine assembly:	
88	07-060023		WASHER, FLAT (7/8" SAE)	4
89	07-062018		WASHER, FLAT (1/2")	4
90	07-058400		NUT, HEX LOCK (1/2"-13, Grade 5)	4
91	01-215700		VALVE, MANIFOLD (Horsepower limiter)	1
92	01-086805		COIL, CARTRIDGE	1
93	01-086812		SEAL KIT, CARTRIDGE	1
92	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	3
93	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1
94	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
95	07-062014		WASHER, FLAT (1/4")	2
96	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
97	07-050016		NUT, STOP (3/8"-16, Grade 5) (to mount air cleaner to bulkhead)	4
98	07-062016		WASHER, FLAT (3/8") (to mount air cleaner to bulkhead)	4

TITLE ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 3 OF 3)

PLATE NO. C04.101 **SIMON AERIALS INC.**

REV. 05 APR., 1994

PART NO.



Art # C04.10101E

TITLE ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 05 APR., 1994

PART
NO.

PLATE
NO. C04.101

PARTS LIST

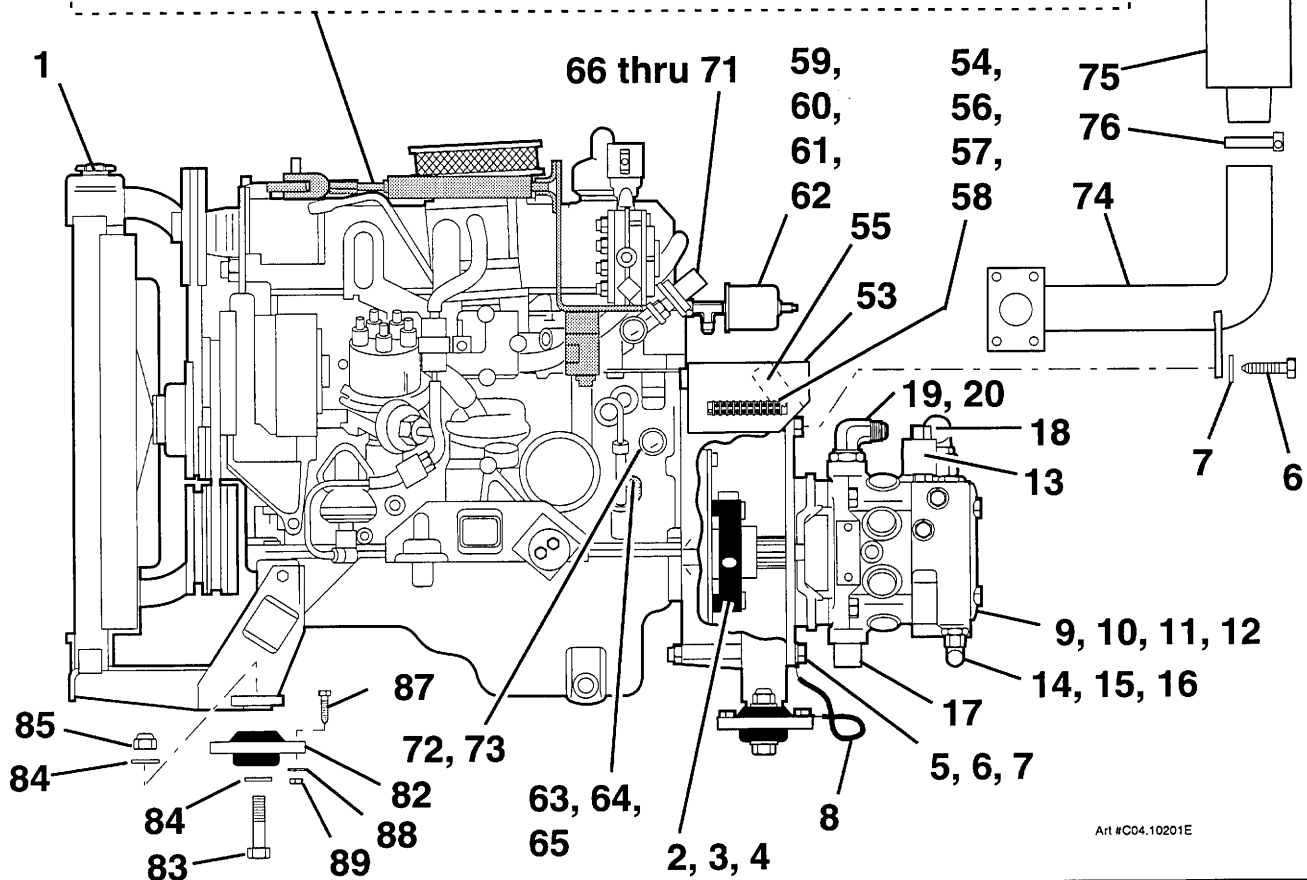
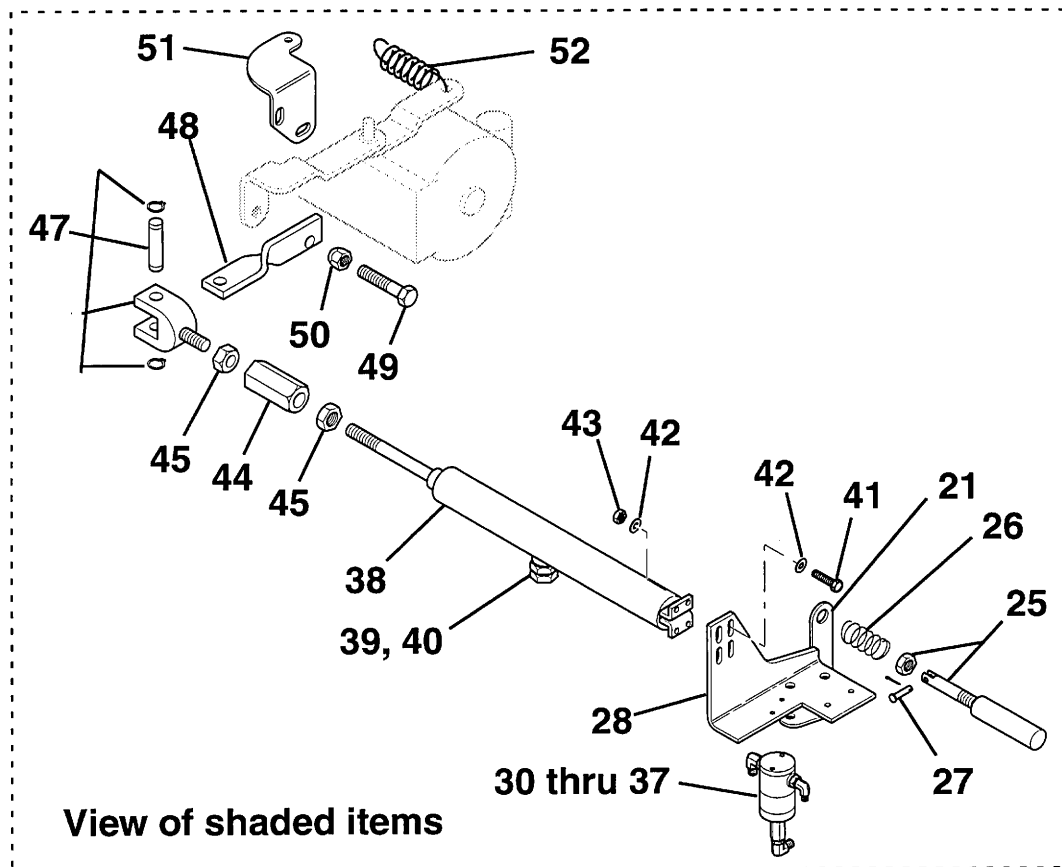
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE ASSEMBLY (Ford LSG-423) (63 HP [47 Kw] liquid cooled four cylinder)	
	353 1290		Trailblazer 40 (Gasoline)	1
	353 1310		Trailblazer 40 (Dual fuel)	1
	353 6480		Trailblazer 50 or 60 (Gasoline)	1
	353 6490		Trailblazer 50 or 60 (Dual fuel)	1
1			ENGINE ASSEMBLY (Ford LSG-423)	
	09-017800		63 HP (47 Kw) liquid cooled gas four cylinder, T-40	1
	09-023700		63 HP (47 Kw) liquid cooled dual fuel four cylinder, T-40	1
	09-056200		63 HP (47 Kw) liquid cooled gas four cylinder, T-50, T-60	1
	09-056300		63 HP (47 Kw) liquid cooled dual fuel four cyl., T-50, 60	1
2	02-011400		COUPLING ASSEMBLY (10" clutch)	1
3	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	6
4	07-065016		WASHER, HELICAL LOCK (3/8")	6
5	02-011500		PLATE, PUMP ADAPTER (SAE #5 hsg. to SAE "C" pump)	1
6	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
7	07-065016		WASHER, HELICAL LOCK (3/8")	8
8	03-074000		CABLE, BATTERY (Black, 9-3/4" [24.8 cm] long, 3/8" lugs)	1
9			PUMP, HYDRAULIC	1
	01-206900	D08.13	Earlier style, for Trailblazer 40 (Pump is marked "ROPV 312 XXXXXX" and "24 71 R11531")	
	01-019500	D08.13	Earlier style, for Trailblazer 50 or 60 (Pump is marked "ROPV 322 XXXXXX" and "24 72 R11531")	
	01-236900	D08.15	Later style (Pump is marked "PAVC 65 X 3224")	
10	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4
11	07-065021		WASHER, HELICAL LOCK (5/8")	4
12	07-062021		WASHER, FLAT (5/8")	4
13	01-013700		VALVE, SOLENOID (2 way) (Pump unloading)	1
14	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
15	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
16	07-065018		WASHER, HELICAL LOCK (1/2")	4
17	06-202100		FITTING, FLANGED (4 bolt SAE #1, LI-16-16S-30)	1
18	06-045600		90° ELBOW, "O"-RING TO 37° (12-16 C5OX-S)	2
19	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	1
20	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F5OX-S)	1
21			BRACKET, CHOKE SOLENOID	1
	215 8330		Flat bracket, used until January, 1993	1
	231 1171		"L" shaped bracket, used since January, 1993 (shown)	1
22	07-011343		MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2) (for mounting Bracket 215 8330)	3
23	07-065009		WASHER, HELICAL LOCK (#8) (for Bracket 215 8330)	3
24	07-062009		WASHER, FLAT (#8) (for mounting Bracket 215 8330)	3

TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 1 OF 3)

PLATE NO. C04.102 **SIMON AERIALS INC.**

REV. 23 JAN., 1996

PART NO.



Art #C04.10201E

TITLE

ENGINE ASSEMBLY, FORD LSG-423 (PLATE 1 OF 3)

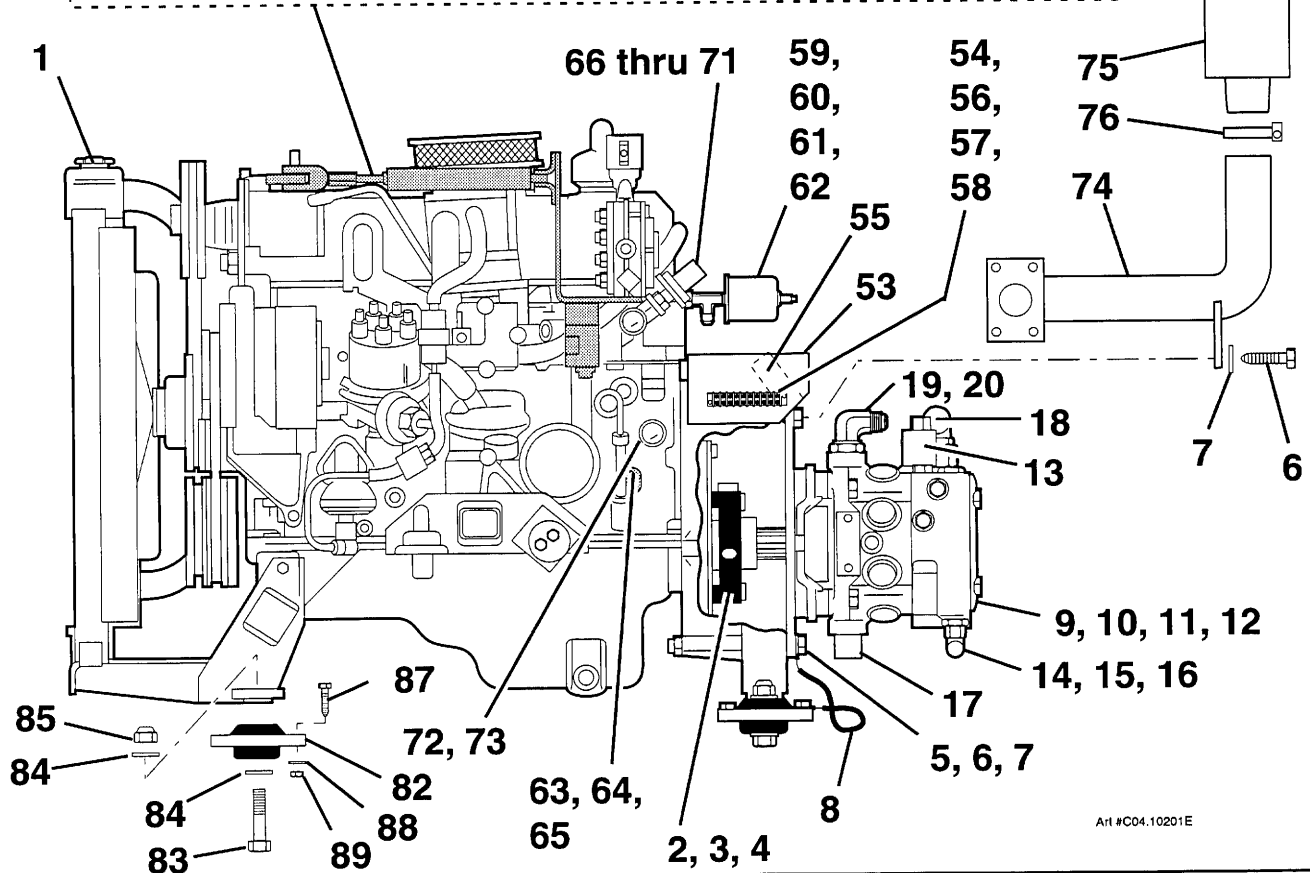
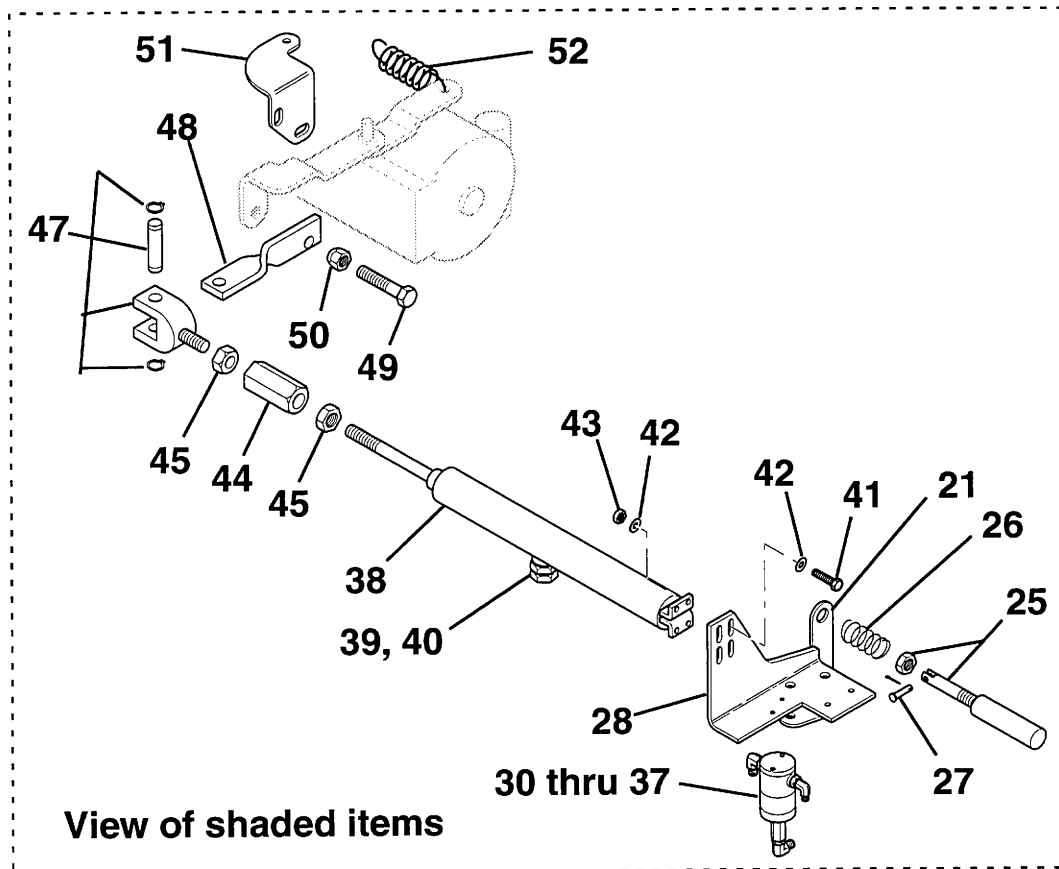
SIMON AERIALS INC.

REV. 23 JAN., 1996

PART
NO.

PLATE
NO. C04.102

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
26	10-110600		SPRING, CHOKE RETURN	1
27	07-075414		ROLL PIN (1/8" x 1")	1
28	211 3350		BRACKET, THROTTLE (comes with engine)	1
29			SCREW (Bracket to engine)	2
30	09-000405		VALVE, ENGINE SOLENOID	1
31	06-198600		90° COMPRESSION FITTING (169 CA-3-4) (1/4" NPT to 3/16" tubing)	A.R.
32	11-030506		BUSHING, REDUCER (1/4" x 1/8")	1
33	06-198800		RUN TEE (171CA-3-2, 3/16" tube to 1/8" NPT)	1
34	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade 5)	2
35	07-065011		WASHER, HELICAL LOCK (#10)	2
36	07-062009		WASHER, FLAT (#8)	2
37	07-060014		WASHER, FLAT (1/4" SAE)	2
38	09-028100		CYLINDER, THROTTLE (3 position, double acting)	1
39	01-072300		VENT, CYLINDER BREATHER (1/8" NPT)	1
40	06-199300		FITTING, COMPRESSION (Straight)	1
41	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	4
42	07-060014		WASHER, FLAT (1/4" SAE)	8
43	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
44	11-040008		COUPLER, THREADED ROD (5/16"-24 x 1-1/8")	1
45	07-047115		NUT, JAM (5/16"-24)	2
46	07-090161		SET SCREW, SOCKET (5/16"-24 x 1", cup point)	1
47	09-028101		CLEVIS, CYLINDER (includes pin and retaining rings)	1
48	211 2370		LINK, THROTTLE (comes with engine)	1
49			SCREW (Link to governor lever)	1
50			NUT (Link to governor lever)	1
51	232 1090		BRACKET, THROTTLE SPRING	1
52	10-168500		SPRING, THROTTLE RETURN EXTENSION	1
53	2307030		BRACKET, TERMINAL STRIP	1
54	03-068000		STRIP, TERMINAL (10 contact)	1
55	03-467500		RELAY (Single pole, single throw, 12 Volt DC, normally open, sealed)	1
56	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
57	07-050007		NUT, STOP (#6-32, Grade 5)	2
58	07-062009		WASHER, FLAT (#8)	1
TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)				
PLATE NO.	C04.102	SIMON AERIALS INC.		PART NO.
REV. 23 JAN., 1996				



Art #C04.10201E

TITLE

ENGINE ASSEMBLY, FORD LSG-423 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 23 JAN., 1996

PART
NO.

PLATE
NO. C04.102

PARTS LIST

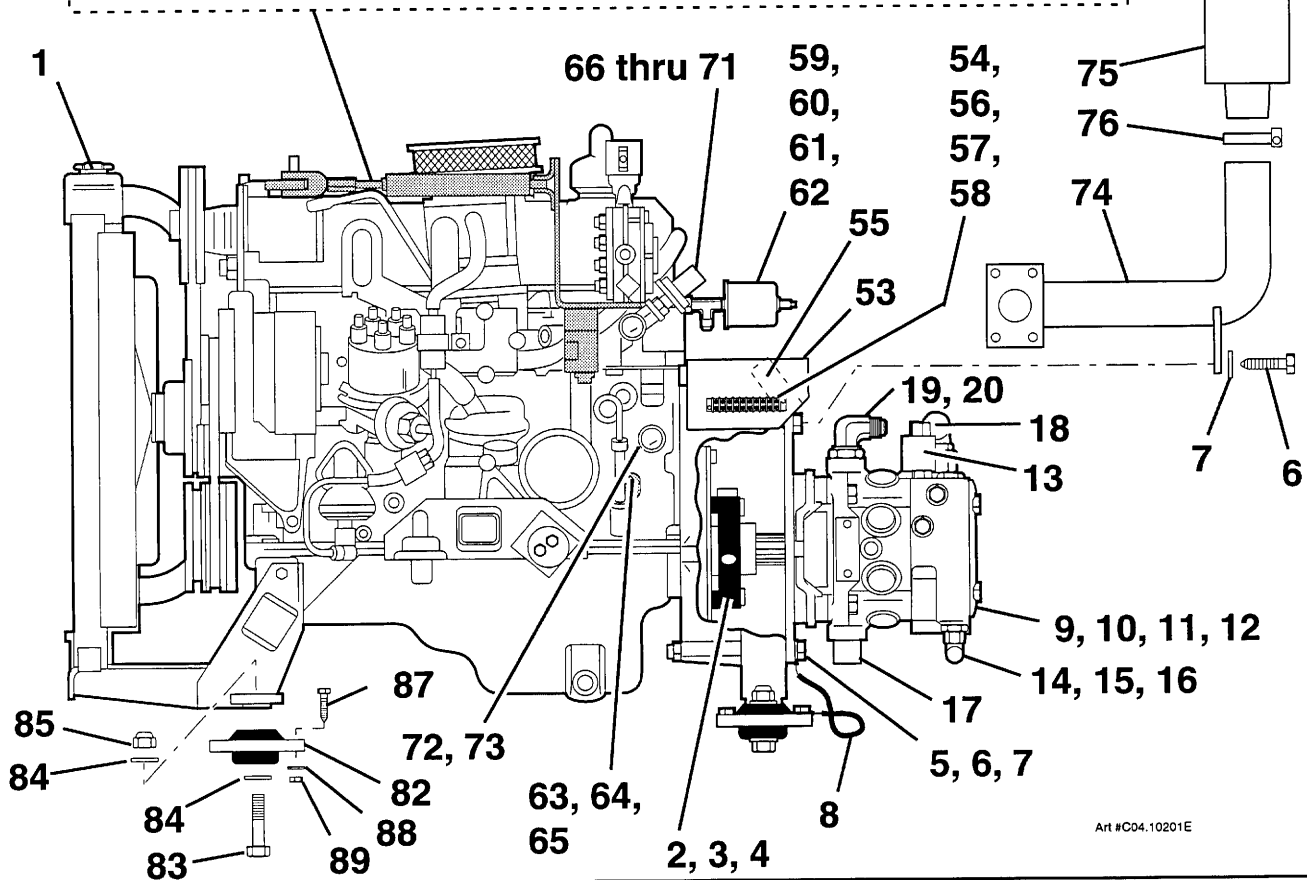
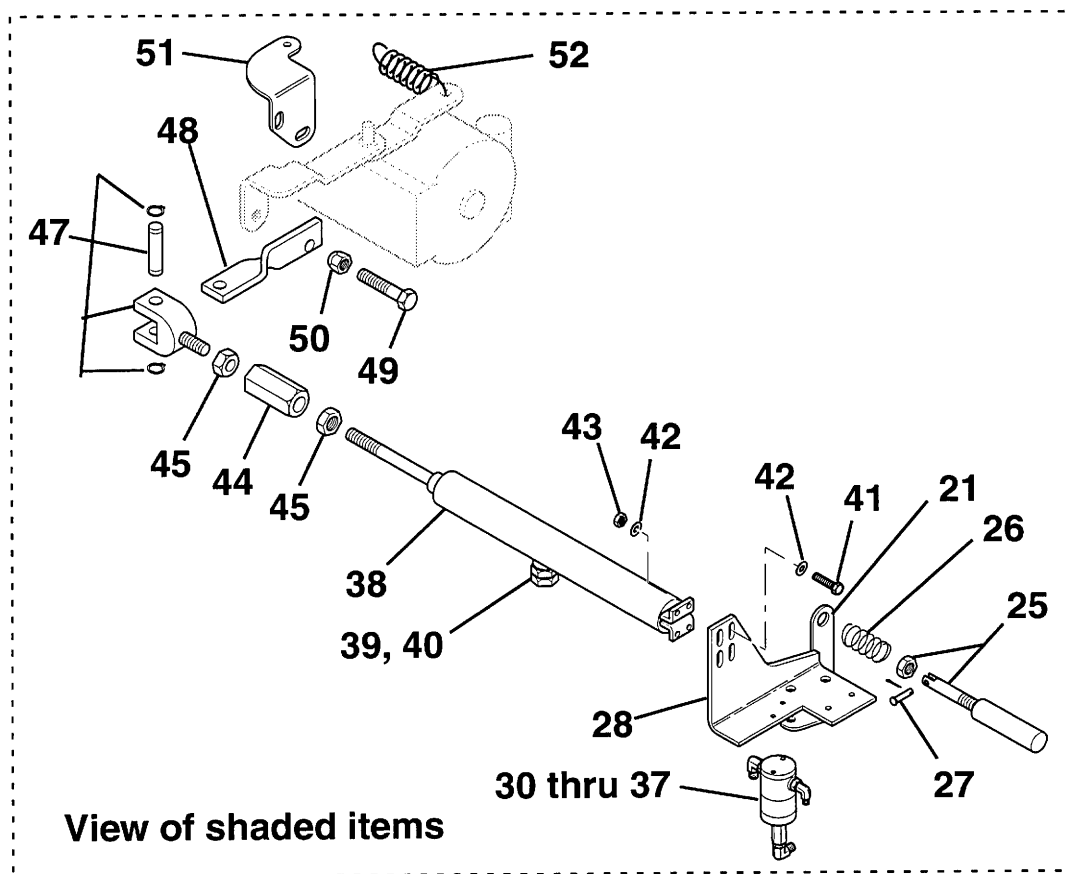
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
59	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
60	06-199300		FITTING, COMPRESSION (Straight, 3/16" to 1/8")	1
61	06-074600		STREET TEE (1/8 MRO-S)	1
62	06-070600		REDUCER, PIPE THREAD (1/4 x 1/8 PTR-S)	1
63	06-199300		FITTING, COMPRESSION (Straight, 3/16" to 1/8")	1
64	06-081300		45° STREET ELBOW (1/8 CD45-S)	1
65	06-201000		FITTING, COMPRESSION (209 P-6-2)	1
66			SWITCH, OIL PRESSURE (comes with engine)	1
67	09-049500		SWITCH, LOW PRESSURE (2 pole, normally open, 4 PSI, 1/8 TD)	1
68	06-070600		REDUCER, PIPE THREAD (1/4 x 1/8 PTR-S)	1
69	06-074700		STREET TEE (1/4 MRO-S)	1
70	07-040111		NUT, HEX (#10-32, Grade 5)	2
71	07-065011		WASHER, HELICAL LOCK (#10)	1
72			SWITCH, WATER TEMPERATURE (comes with engine)	1
73	07-092200		NUT, HEX (#8-32)	2
74	230 7770		PIPE, EXHAUST	1
75	09-054900		MUFFLER, ENGINE EXHAUST	1
76	09-015400		CLAMP, MUFFLER (2")	1
77	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item) (25 Ft [7.6 M] required this application)	A.R.
78	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item) (1 Ft [30 cm] required this application)	A.R.
79	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item) (2 Ft [61 cm] required this application)	A.R.
80	07-039004		NUT, HEX (M 6)	1
81	07-066004		WASHER, HELICAL LOCK (6 mm)	1
			The following items are not part of the engine assembly:	
82	09-006500		MOUNT, ENGINE	4
83	07-004135		CAP SCREW, HEX HEAD (5/8"-11 x 3-1/2", Grade 8)	4
84	07-062021		WASHER, FLAT (5/8")	8
85	07-058600		NUT, HEX LOCK (5/8"-11, Grade 5)	4
86	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
87	07-062016		WASHER, FLAT (3/8")	16
88	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	8
89	06-015000		UNION (6 HTX-S) (Boom hose to pump)	1
90	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
91	10-061000		CLAMP, HOSE (Fuel line, 5/8")	2

TITLE ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)

PLATE NO. C04.102 **SIMON AERIALS INC.**

REV. 23 JAN., 1996

PART NO.



Art #C04.10201E

TITLE

ENGINE ASSEMBLY, FORD LSG-423 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 23 JAN., 1996

PART
NO.

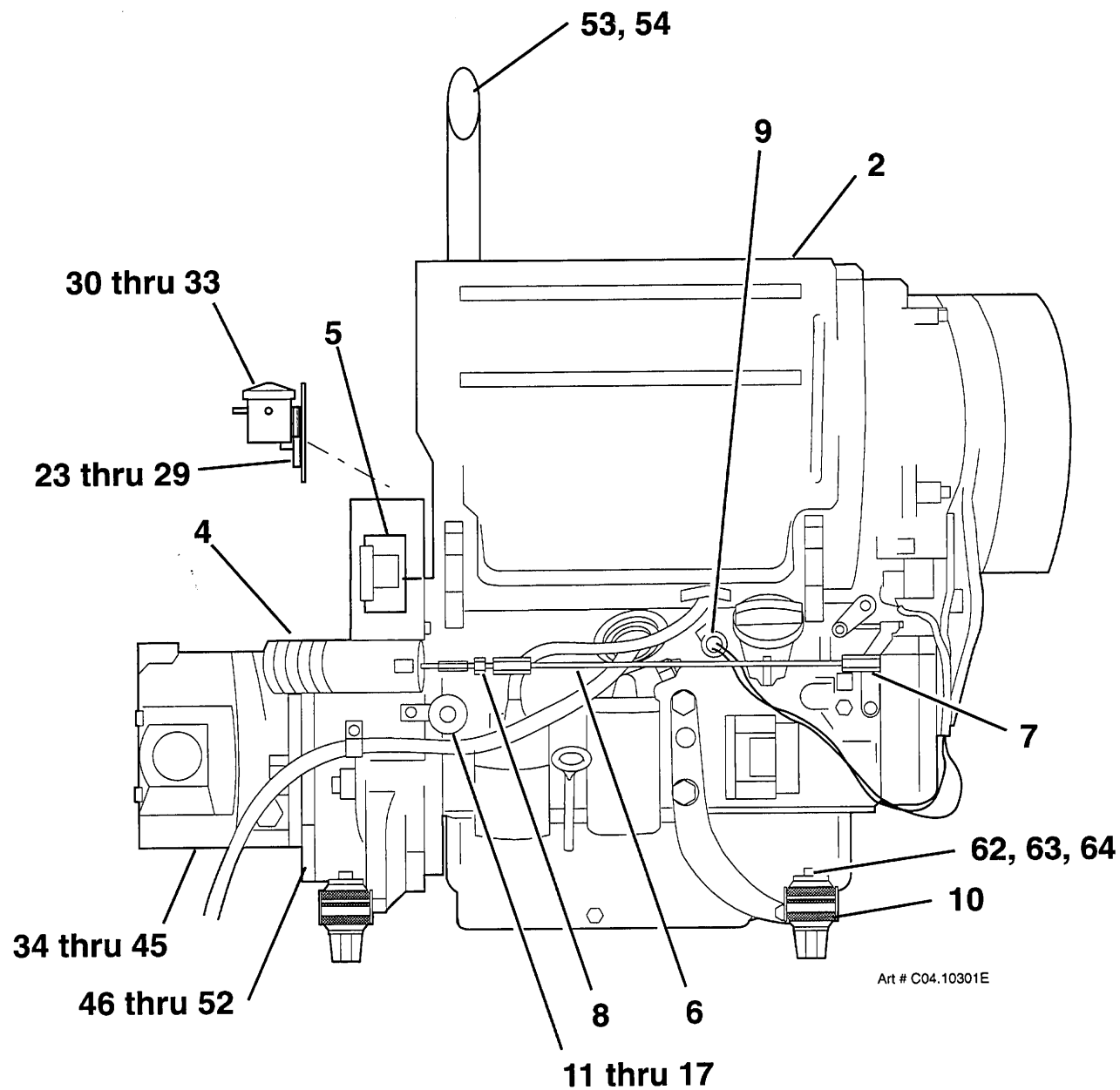
PLATE
NO. C04.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3531230		ENGINE ASSEMBLY (Deutz F3L 1011)	1
2	09-044800		ENGINE, DIESEL (Deutz F3L 1011)	
			[42 HP (31 Kw) @ 3,000 RPM, air cooled 3 cylinder]	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
4	03-469400		SOLENOID, THROTTLE (does not include module)	1
5	03-456803		MODULE, THROTTLE SOLENOID	1
6	03-469403		ROD, LINKAGE	1
7	03-469401		BALL JOINT (Straight)	1
8	03-469405		BALL JOINT (90°)	1
9			SWITCH, OIL PRESSURE (comes with engine)	1
10	09-006500		MOUNT, ENGINE	4
11	2305190		BRACKET, MOUNTING (Oil pressure sending unit)	1
12	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	1
13	07-060014		WASHER, FLAT (1/4", SAE)	2
14	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	1
15	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (2 MRO-S)	1
16	06-199300		FITTING, COMPRESSION (Straight, 3/16" x 1/8")	1
17	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
18	05-081900		FUEL LINE (5/16") [Bulk item, order as needed. 9" (22.9 cm) needed this application]	A.R.
19	09-004600		CLAMP, WORM (1/4" to 5/8") (for fuel line)	4
20	07-062016		WASHER, FLAT (3/8")	2
21	06-084600		ELBOW, FEMALE PIPE THREAD (2 DD-S)	1
22	05-082200		OIL PRESSURE LINE (3/16") [Bulk item, order as needed. 16" (40.6 cm) needed this application]	A.R.
23	2169790		BRACKET, TERMINAL STRIP	1
24	07-005184		CAP SCREW, HEX HEAD (M 10 x 25 mm, Grade 8.8)	3
25	07-066006		WASHER, LOCK (10 mm)	3
26	07-060016		WASHER, FLAT (3/8", SAE)	3
27	03-068000		BLOCK, TERMINAL (10 station)	1
28	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
29	07-050007		NUT, STOP (#6-32, Grade 5)	2
30	03-051300		RELAY (Single pole, single throw)	1
31	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2
32	07-060014		WASHER, FLAT (1/4" SAE)	2
33	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 1 OF 3)

PLATE NO.	C04.103	SIMON AERIALS INC.	REV. 27 JAN., 1994	PART NO.	3531230
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TITLE

ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

PART
NO.

3531230

PLATE
NO.

C04.103

PARTS LIST

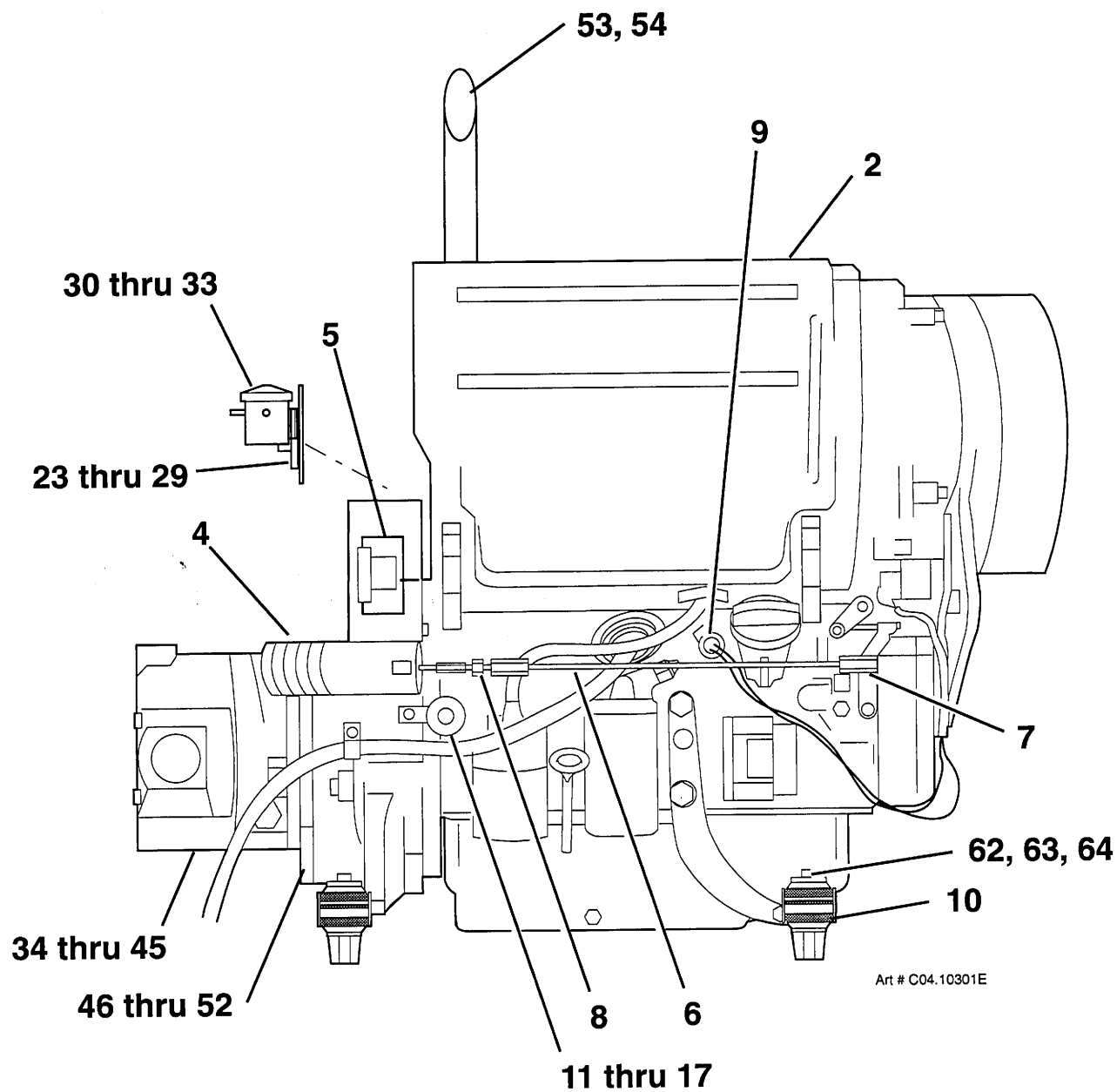
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TITLE	ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 2 OF 3)
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PLATE NO.	C04.103	SIMON AERIALS INC.
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REV. 27 JAN., 1994

PART NO. 3531230



TITLE

ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

PART
NO.

3531230

PLATE
NO.

C04.103

PARTS LIST

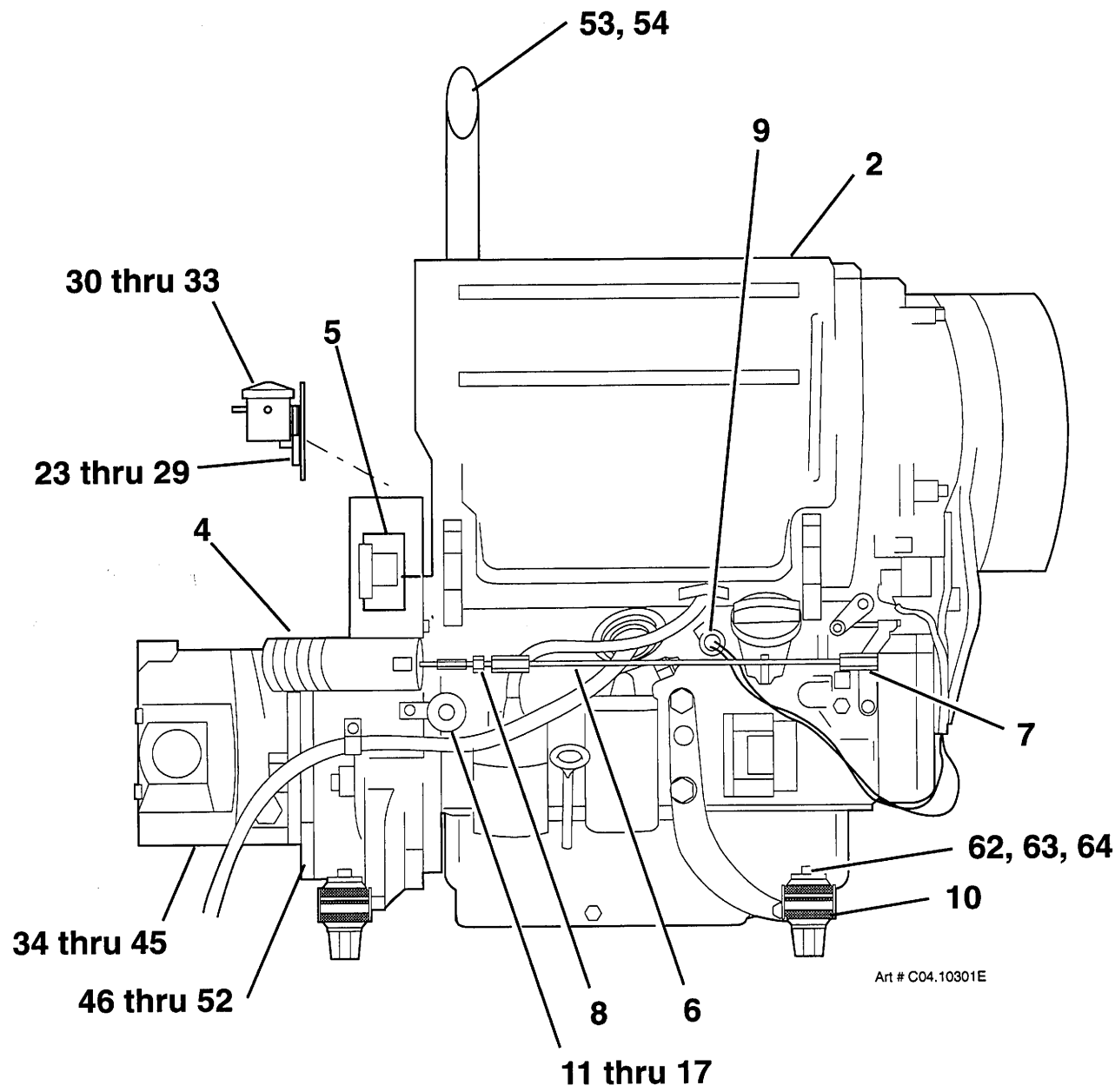
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
53	2301860		FLANGE, EXHAUST	1
54	2307710		PIPE, EXHAUST	1
55	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item) [25 Ft (7.6 M) required this application]	A.R.
56	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item) [5 Ft (150 mm) required this application]	A.R.
57	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item) [.5 Ft (150 mm) required this application]	A.R.
58	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk item) [6 Ft (1.8 M) required this application]	A.R.
59	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item) [1 Ft (30.5 cm) required this application]	A.R.
60	03-061800		DIODE	1
61	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.) [5 Ft (1.5 M) required this application]	A.R.
			The following components, used to mount the engine to the superstructure, are not part of engine assembly 3531230:	
62	07-090168		CAP SCREW, HEX HEAD (1/2"-13 x 4", Grade 8)	4
63	07-065018		WASHER, HELICAL LOCK (1/2")	4
64	07-061018		WASHER, FLAT (1/2")	4
65	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4
			The following components, used to mount the engine air cleaner, are not part of engine assembly 3531230:	
66	09-036200		TUBING, FLEXIBLE (2-1/2" dia.) (Bulk item) [.5 Ft (150 mm) required this application]	A.R.
67	09-005700		CLAMP, WORM (3")	2
68	07-005149		CAP SCREW, HEX HEAD (M 8 x 25 mm, Grade 8.8)	3
69	07-066005		WASHER, LOCK (8 mm)	3
70	07-062014		WASHER, FLAT (1/4")	3

TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 3 OF 3)

PLATE NO. C04.103 **SIMON AERIALS INC.**

REV. 27 JAN., 1994

PART NO. 3531230



TITLE

ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 27 JAN., 1994

PART
NO.

3531230

PLATE
NO.

C04.103

PARTS LIST

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TITLE ENGINE ASSEMBLY, HATZ 3L 40C DIESEL

PLATE NO.	C04.104	SIMON AERIALS INC.	NEW 19 FEB., 1993	PART NO.	3532310
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**THE ILLUSTRATION FOR
THIS ENGINE IS NOT
AVAILABLE AT THIS TIME.**

TITLE	ENGINE ASSEMBLY, HATZ 3L 40C DIESEL
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SIMON AERIALS INC.	NEW 19 FEB., 1993	PART NO.	3532310	PLATE NO.	C04.104
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 6230		ENGINE GROUP (Isuzu C-240; RP 46, T-40)	1
2	354 5343		ENGINE ASSEMBLY (Isuzu C-240)	1
3	231 9100		ENGINE (modified with new engine mounting plate)	1
4	09-049200		ENGINE (Isuzu C-240 liquid cooled Diesel)	1
5	---		SWITCH, OIL PRESSURE (comes with engine)	1
6	---		LAMP, GLOW PLUG INDICATOR (comes with engine)	1
7	---		AIR CLEANER ASSEMBLY (comes with engine)	1
8	---		ELEMENT, AIR FILTER (comes with engine)	1
9	---		PIPE, INTAKE (Straight) (comes with engine)	1
10	---		PIPE, EXHAUST (Straight) (comes with engine)	1
11	---		CLAMP, MUFFLER (comes with engine)	1
12	---		MUFFLER (comes with engine)	1
13	---		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
14	---		BOLT, HEX HEAD (comes with engine)	4
15	---		WASHER (comes with engine)	4
16	236 7080		BRACKET, THROTTLE SOLENOID	1
17	236 7090		SPACER, THROTTLE SOLENOID BRACKET	1
18	03-456900		SOLENOID, THROTTLE (4-bolt mount) (with module)	1
19	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
20	07-060014		WASHER, FLAT (1/4", SAE)	8
21	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
22	11-008005		ROD, THREADED (1/4"-28, Grade 5) (3 ft [.91 m] long piece. Cut to fit. 13" [.33 m] long piece needed here.)	1
23	09-016402		BALL JOINT (1/4"-28, straight)	1
24	09-016403		BALL JOINT (1/4"-28, 90°)	1
25	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
26	07-065014		WASHER, HELICAL LOCK (1/4")	1
27	236 0160		ARM, THROTTLE LEVER	1
28	06-211300		ADAPTER, BSP TO NPT (1/8 x 1/8 F3HG-S)	1
29	06-074600		STREET TEE (1/8 MRO-S) (2MP-2FP-2FP)	1
30	09-052200		SENDING UNIT, OIL PRESSURE GAUGE (0-100 psi [690 kPa])	1
31	05-081900		FUEL LINE (5/16") (Vent, valve cover breather) (Bulk item, order as needed. 2.4 ft [.73 m] used here.)	A.R.
32	09-004600		CLAMP, WORM (1/4" to 5/8")	1
33	10-061200		CLAMP, LOOP (G-12, 3/4")	1
34	07-005147		CAP SCREW, HEX HEAD (M8-1.25 x 16 mm, Grade 8.8)	1
35	07-066005		WASHER, HELICAL LOCK (8 mm)	2

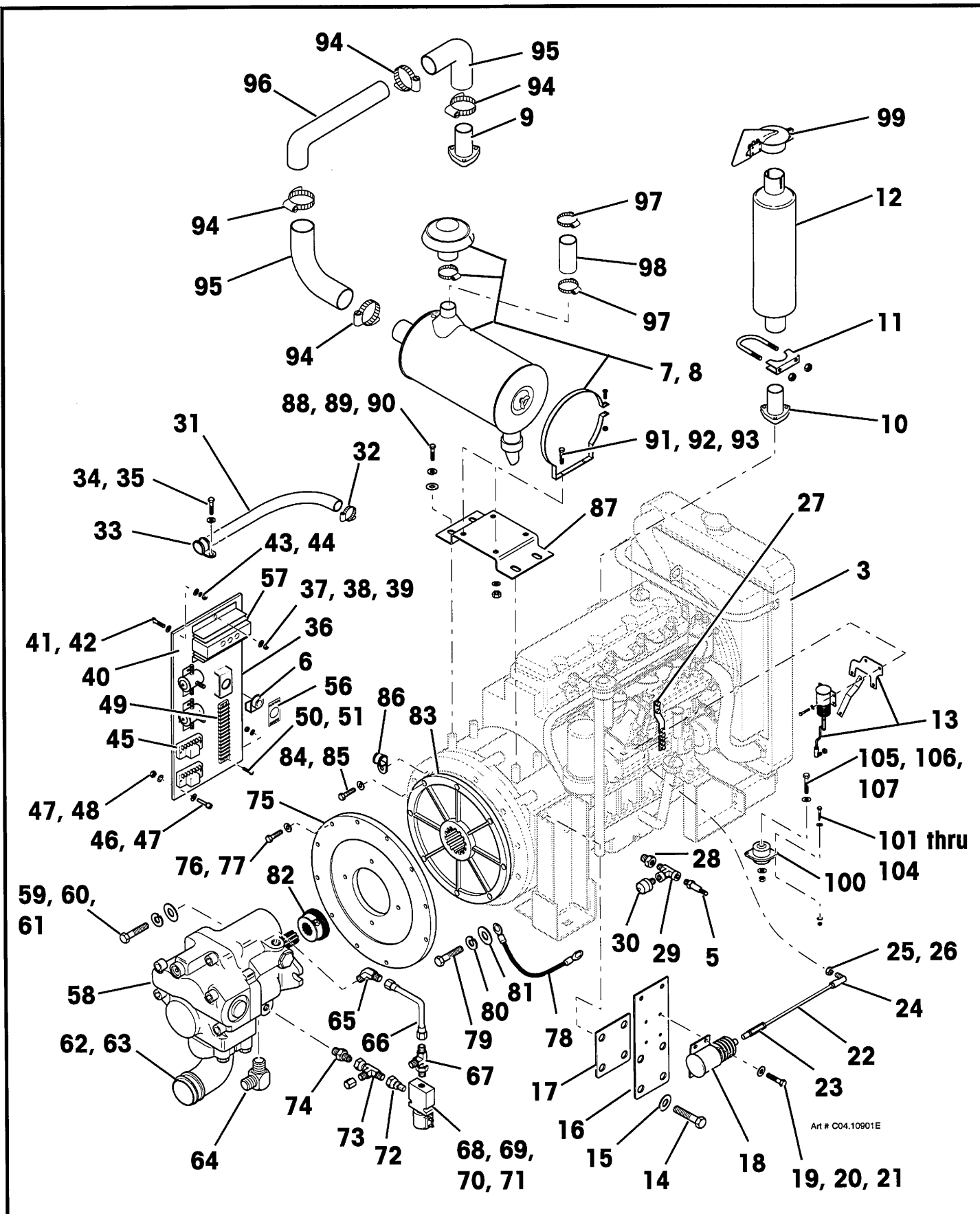
TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

SECTION **C04.** | PLATE NO. **109** | PAGE **01**

REV. - | DATED 29 JAN., 1997 | PART NO.



Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED

29 JAN., 1997

SECTION

C04.

PLATE NO.

109

PAGE

01

PARTS LIST

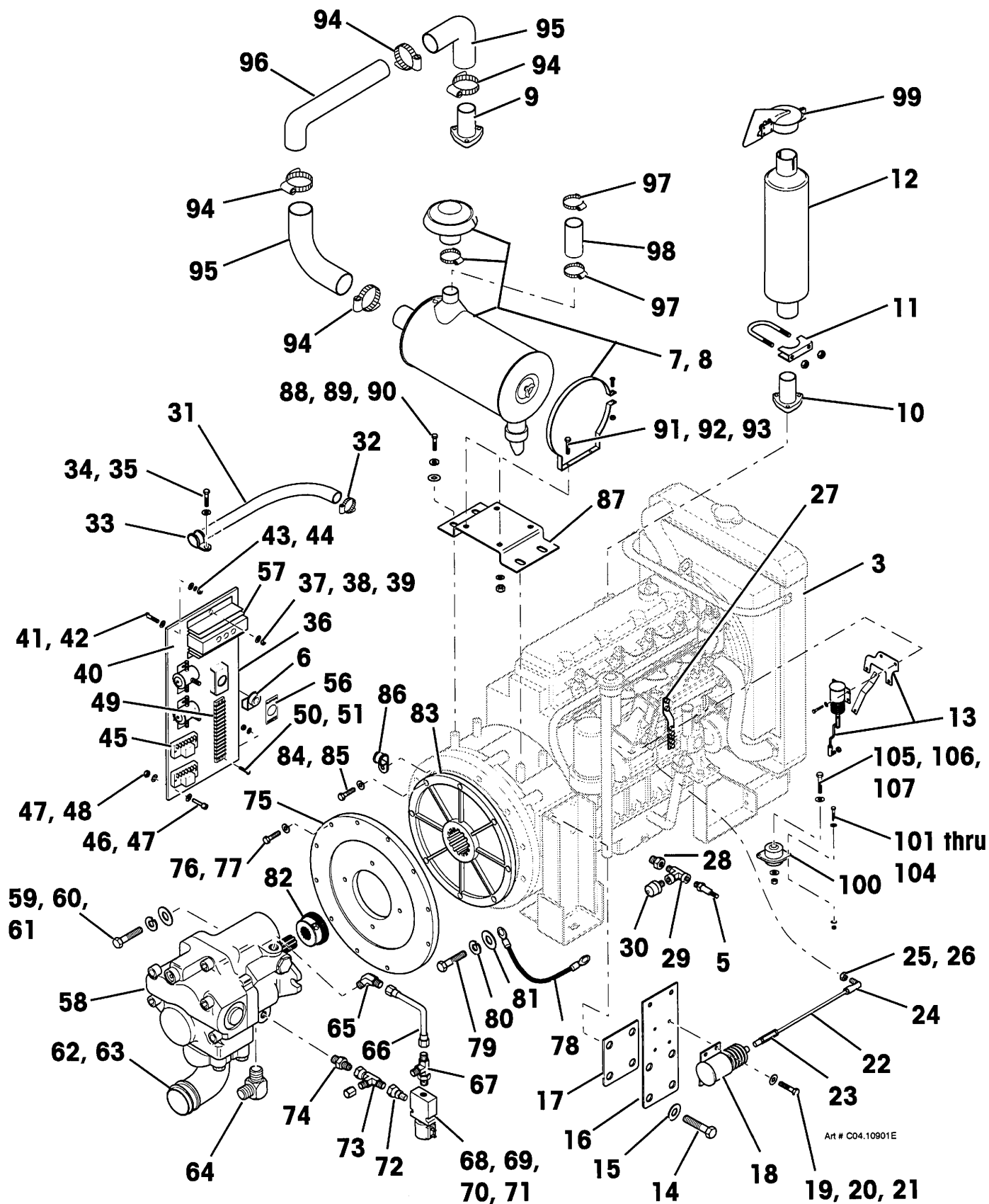
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	235 2040		ENGINE ASSEMBLY (continued)	
37	06-059000		PANEL, ENGINE ACCESSORY	1
			SPACER (Sleeve 6 TX-S)	4
38	07-060016		WASHER, FLAT (3/8", SAE)	8
39	07-050016		NUT, STOP (3/8"-16)	4
40	03-051300		RELAY (12 Volt DC, single pole, single throw)	2
41	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
42	07-060014		WASHER, FLAT (1/4", SAE)	4
43	07-111600		WASHER, EXTERNAL TOOTH LOCK (1/4")	2
44	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
45	03-456803		MODULE, THROTTLE SOLENOID	2
46	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4")	4
47	07-062009		WASHER, FLAT (#8)	8
48	07-050011		NUT, STOP (#10-24)	4
49	03-468700		BLOCK, TERMINAL (14 station)	1
50	07-011334		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
51	07-050007		NUT, STOP (#6-32, Grade 5)	2
52	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	
			(Panel ground, used on some earlier versions. Not shown.)	1
53	07-060014		WASHER, FLAT (1/4", SAE)	1
54	07-111600		WASHER, EXTERNAL TOOTH LOCK (1/4")	1
55	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
56	10-115800		DECAL, "GLOW PLUG INDICATOR"	1
57	03-712500		ISOLATOR, BATTERY (90 Amp)	1
58	01-236900	D08.15	PUMP ASSEMBLY, HYDRAULIC (marked "PAVC 65 X 3224") (50 c.c./ rev. output)	1
59	07-003127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 5)	2
60	07-060021		WASHER, FLAT (5/8")	2
61	07-065021		WASHER, HELICAL LOCK (5/8")	2
62	06-216700		FLANGE, SUCTION FITTING (1-1/2")	
			(includes two flange halves and mounting hardware)	1
63	06-216600		90° FITTING (1-1/2" stem to 1-1/2" hose)	1
64	06-045600		90° ELBOW, "O"-RING TO 37° (12-16 C50X-S)	
			(12MJ-16MB 90°)	1

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

Simon Aerials Inc.
10800 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

SECTION **C04.** PLATE NO. **109** PAGE **02** REV. **-** DATED **29 JAN., 1997** PART NO.



Art # C04.10901E

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
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24 Hr (Machine) 414-362-8280
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED
29 JAN., 1997

SECTION

C04.

PLATE NO.

109

PAGE

02

PARTS LIST

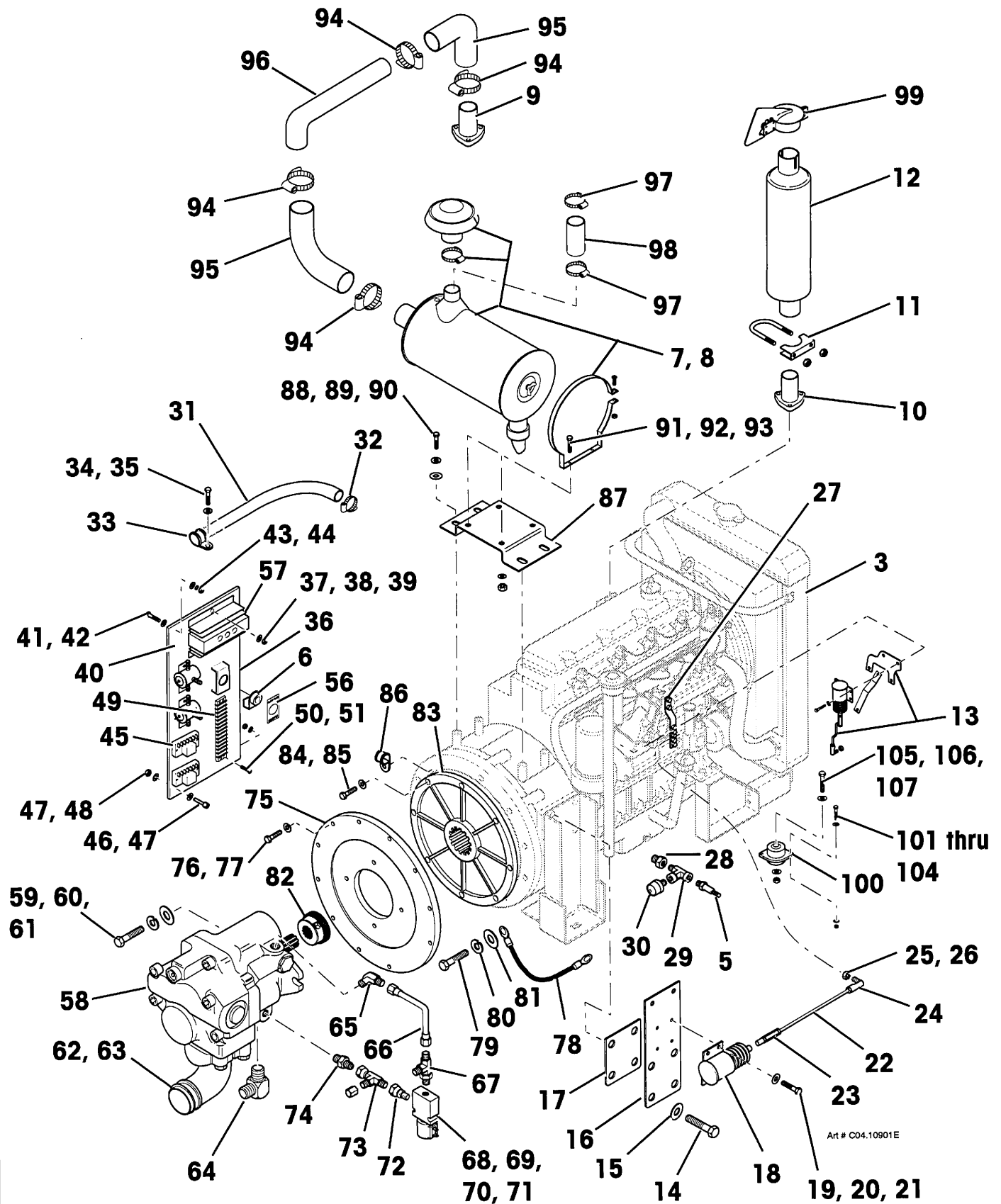
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
65	06-047000		ENGINE ASSEMBLY (continued)	
66	353 6550		45° ELBOW, "O"-RING TO 37° (6 V50X-S) (6MJ-6MB 45°)	1
67	06-048500		TUBE, HYDRAULIC	1
68	01-013900		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S) (6MB-6MJ-6MJ)	1
69	01-013700		VALVE BLOCK, CARTRIDGE	1
70	01-013701		VALVE, TWO-WAY (Solenoid operated)	1
71	01-013702		SEAL KIT, VALVE	1
72	06-079000		COIL (12 Volt DC)	1
73	06-054500		CONNECTOR, SWIVEL NUT (6 F650X-S)	1
74	06-191900		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (6SJX-6MJ-6MJ)	1
75	02-036500		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) (6MJ-4MB)	1
			ADAPTER, PUMP (1/2" [13 mm] thick)	
			(12 hole, 14-1/4" pilot flywheel housing to "C" [2 hole, 5" pilot] pump mount)	1
76	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	12
77	07-065016		WASHER, HELICAL LOCK (3/8")	12
78	03-735800		STRAP, GROUND (Braided, 12" [30.5 cm] long)	1
79	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	1
80	07-066006		WASHER, LOCK (10 mm)	1
81	07-060016		WASHER, FLAT (3/8", SAE)	2
82	02-048700		HUB, PUMP COUPLING (1.25", 14 tooth spline)	1
83	02-046200		FLANGE, PUMP COUPLING.	1
84	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")	8
85	07-065016		WASHER, HELICAL LOCK (3/8")	8
86	10-061200		CLAMP, LOOP (G-12, 3/4")	1
87	218 0190		BRACKET, AIR CLEANER	1
88	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	4
89	07-066006		WASHER, LOCK (10 mm)	4
90	07-062016		WASHER, FLAT (3/8")	4
91	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1")	4
92	07-050016		NUT, STOP (3/8"-16)	4
93	07-060016		WASHER, FLAT (3/8", SAE)	4
94	09-015000		CLAMP, HOSE (Worm type) (3")	4
95	09-018900		ELBOW, RUBBER (2" I.D.)	2
96	09-051100		PIPE, AIR INTAKE (Metal)	1

TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

SECTION **C04.** PLATE NO. **109** PAGE **03** REV. **-** DATED **29 JAN., 1997** PART NO.



Art # C04.10901E

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED

29 JAN., 1997

SECTION

C04.

PLATE NO.

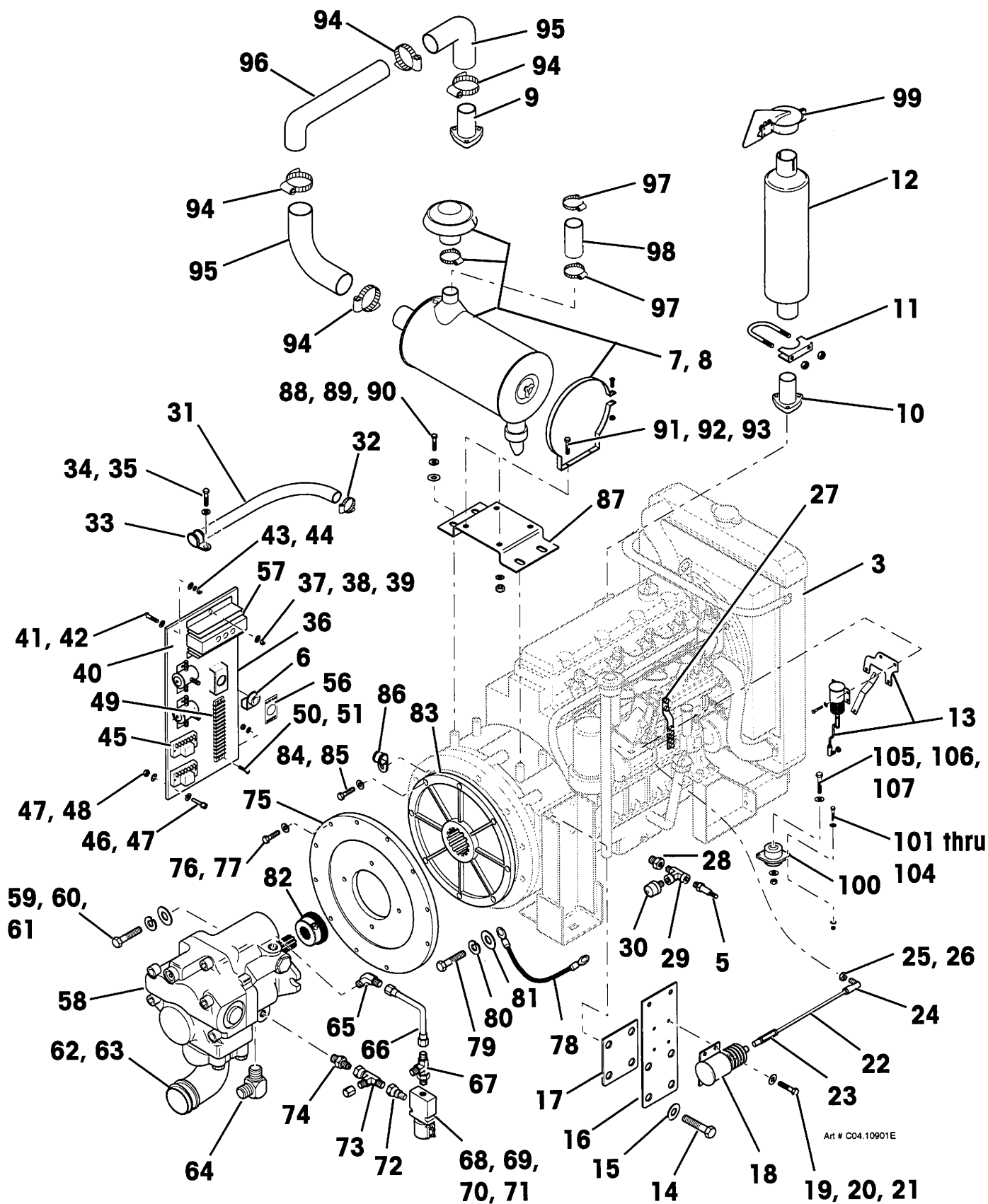
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PAGE

03

PARTS LIST

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Art # C04.10901E

Simon Aerials Inc.
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Milwaukee Wisconsin 53224 USA
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TITLE

ENGINE ASSEMBLY, ISUZU C-240 DIESEL

PART
NO.

REV.

DATED

29 JAN., 1997

SECTION

C04.

PLATE NO.

109

PAGE

04

PARTS LIST

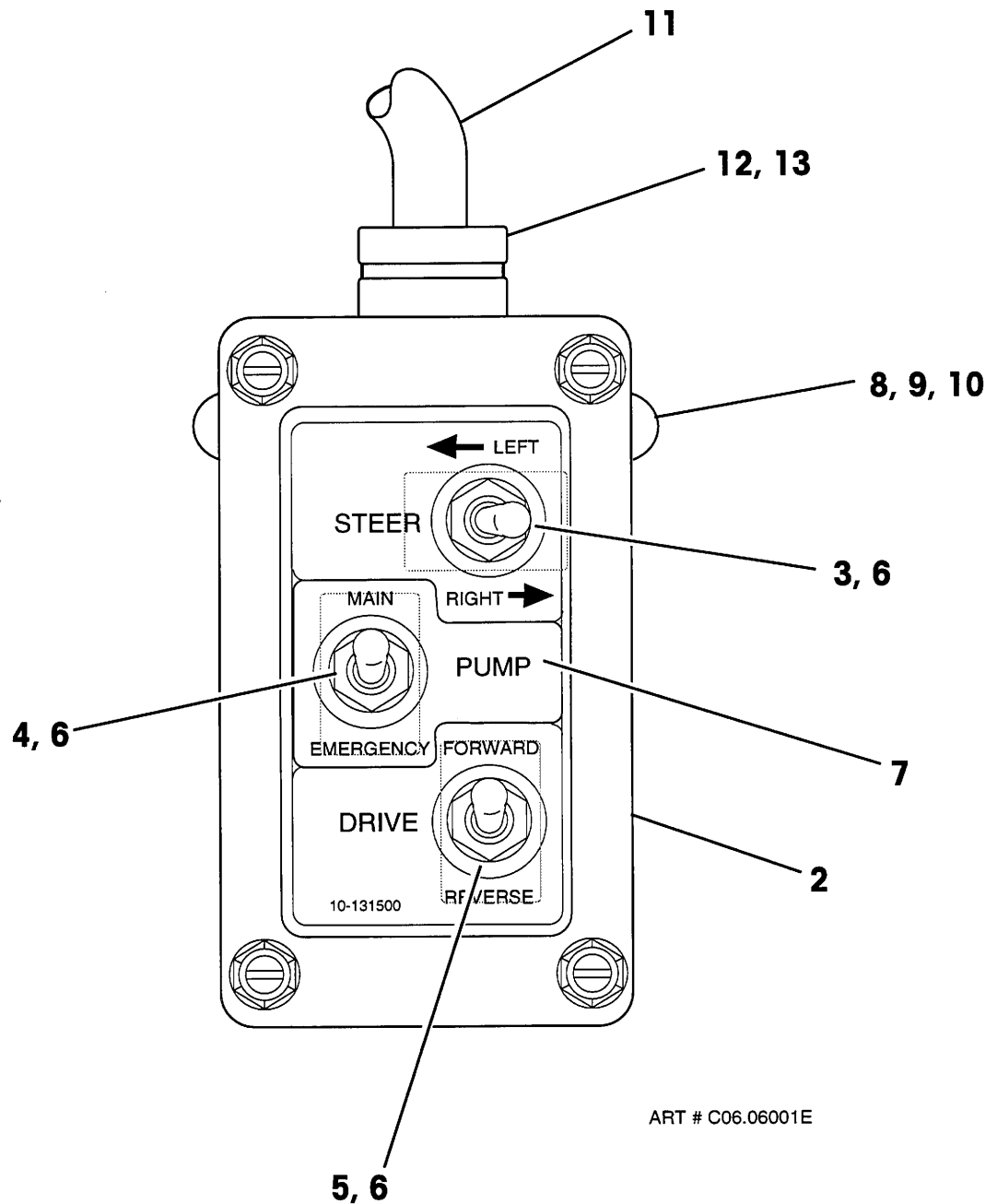
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 9370		PENDANT ASSEMBLY, REMOTE CONTROL	1
2	219 3970		BOX, CONTROL (includes cover) drilled for this application	1
3	03-406100 03-020500		undrilled box SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	1
4	03-020500 03-020600		SWITCH, TOGGLE (Pump) (Three position, momentary contact) single pole, double throw (current versions) double pole, double throw (some earlier versions)	1
5	03-020600		SWITCH, TOGGLE (Drive) (Three position, momentary contact, double pole, double throw)	1
6	03-497900		SEAL, PANEL	3
7	10-131500		DECAL, REMOTE CONTROL PENDANT Current style has White and Red lettering on Black background. Earlier style has Black lettering on a White background.	1
8	01-031705		Appearance change only, current style will be supplied. KNOB, CONTROL BOX MOUNTING	2
9	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
10	07-062011		WASHER, FLAT (#10)	10
11	03-446100		CABLE, ELECTRICAL (#18 AWG, 10 conductor) (10 ft [3.05 m] needed for this application)	A.R.
12	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	1
13	03-055700		NUT, CONDUIT LOCK (3/8")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	12
15	03-064000		TIE, CABLE (7.4" [188 mm] long)	5
16	03-064100		MOUNT, CABLE TIE (adhesive backed)	1

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SECTION **C06.** PLATE NO. **06** PAGE **01** REV. **A** DATED **14 FEB., 1997** PART NO. **352 9370**

Simon Aerials Inc.
10600 West Brown Deer Road
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TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

PART
NO. **352 9370**

REV. **A**

DATED
14 FEB., 1997

SECTION **C06.**

PLATE NO. **06**

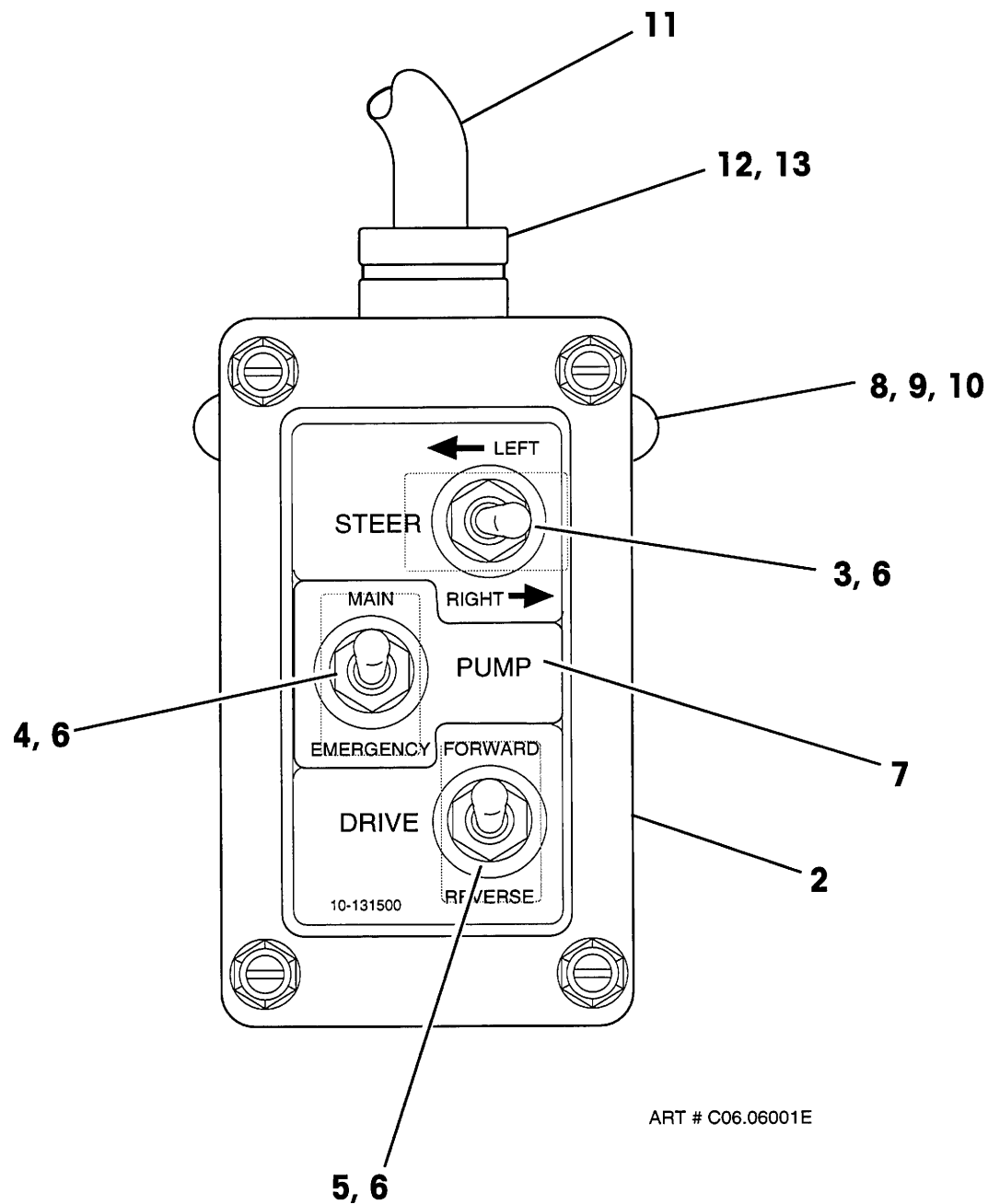
PAGE **01**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 9370		PENDANT ASSEMBLY, REMOTE CONTROL	1
2	219 3970		BOX, CONTROL (includes cover) drilled for this application	1
3	03-406100 03-020500		undrilled box SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	1
4	03-020500 03-020600		SWITCH, TOGGLE (Pump) (Three position, momentary contact) single pole, double throw (current versions) double pole, double throw (some earlier versions)	1
5	03-020600		SWITCH, TOGGLE (Drive) (Three position, momentary contact, double pole, double throw)	1
6	03-497900		SEAL, PANEL	3
7	10-131500		DECAL, REMOTE CONTROL PENDANT Current style has White and Red lettering on Black background. Earlier style has Black lettering on a White background.	1
8	01-031705		Appearance change only, current style will be supplied. KNOB, CONTROL BOX MOUNTING	2
9	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
10	07-062011		WASHER, FLAT (#10)	10
11	03-446100		CABLE, ELECTRICAL (#18 AWG, 10 conductor) (10 ft [3.05 m] needed for this application)	A.R.
12	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	1
13	03-055700		NUT, CONDUIT LOCK (3/8")	1
14	03-091200		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG)	12
15	03-064000		TIE, CABLE (7.4" [188 mm] long)	5
16	03-064100		MOUNT, CABLE TIE (adhesive backed)	1

TITLE PENDANT ASSEMBLY, REMOTE CONTROL					
SECTION	C06.	PLATE NO.	06	PAGE	01
REV.	A	DATED	14 FEB., 1997	PART NO.	352 9370

Simon Aerials Inc.
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TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

PART NO. **352 9370**

REV. **A**

DATED
14 FEB., 1997

SECTION **C06.**

PLATE NO. **06**

PAGE **01**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2195570		CONSOLE WELDMENT, PLATFORM	1
2	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
3	10-145000		PLACARD, PLATFORM CONTROL	1
4	3530760	D18.101	VALVE, DRIVE CONTROL	1
5	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
6	07-062014		WASHER, FLAT (1/4")	8
7	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
8	3530740	C02.101	VALVE BANK, PLATFORM CONTROL	1
9	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
10	07-062015		WASHER, FLAT (5/16")	4
11	07-065015		WASHER, HELICAL LOCK (5/16")	4
12	3530750	D14.101	VALVE, PLATFORM LEVEL AND ROTATE	1
13	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
14	07-062014		WASHER, FLAT (1/4")	4
15	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
16	01-001900		VALVE, CHECK (Pilot operated)	1
17	06-039500		ADAPTER (4-6 F50X-S)	2
18	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
19	07-004047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 8)	2
	No Part #		STUD, WELD (5/16"-18) (optional with screw)	2
20	07-062016		WASHER, FLAT (3/8") (used with cap screw)	4
	07-062015		WASHER, FLAT (5/16") (used with stud)	4
21	07-050016		NUT, LOCK (3/8"-16, Grade 5) (used with cap screw)	2
	07-050015		NUT, LOCK (5/16"-18, Grade 5) (used with stud)	2
22	01-034400		VALVE, 2 WAY (includes coil)	1
23	06-039500		CONNECTOR, STRAIGHT THREAD (4-6 F50X-S)	1
24	06-048500		RUN TEE, STRAIGHT THREAD (6 R50X-S)	1
25	06-051500		ELBOW, SWIVEL NUT (6 C6X-S)	2
26	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2
27	07-062014		WASHER, FLAT (1/4")	4
28	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
29	03-464600		ALARM, TILT (12-24 Volt DC, 102 DB)	1
30	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	2
31	07-062014		WASHER, FLAT (1/4")	2
32	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
33	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
34	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
35	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
36	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4", Grade 5)	4
37	07-062007		WASHER, FLAT (#6)	4
38	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1

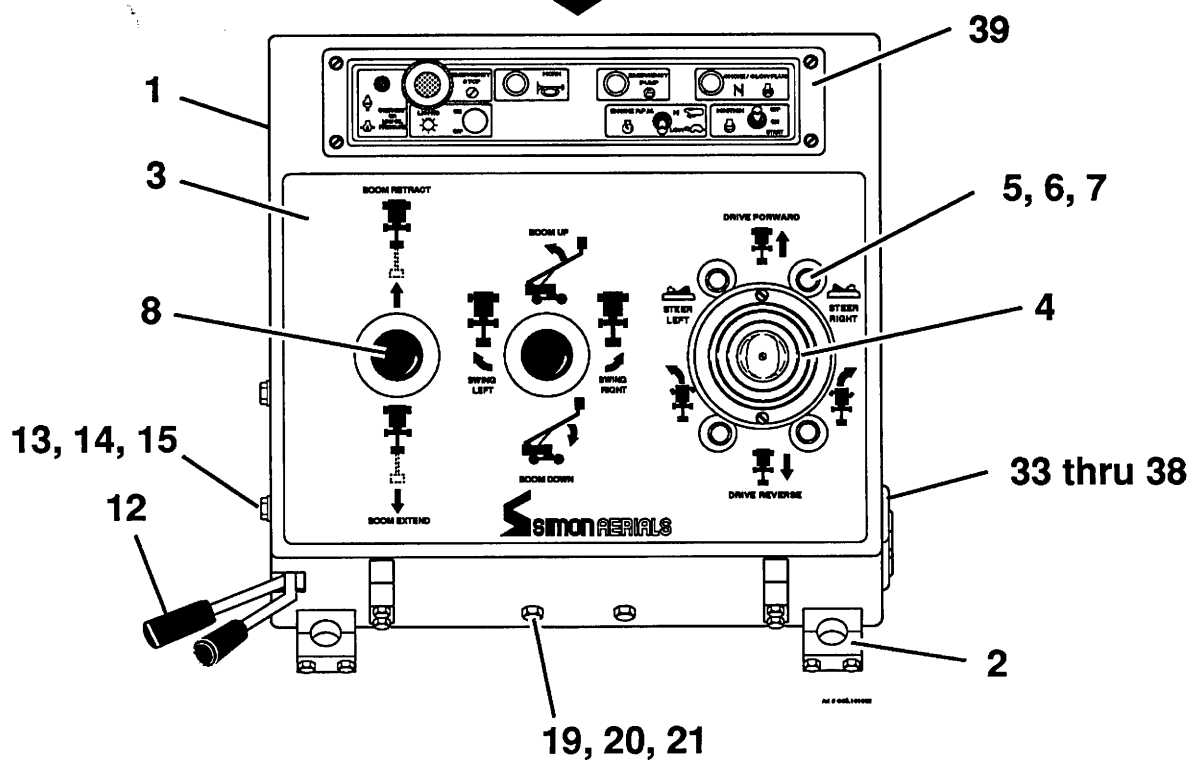
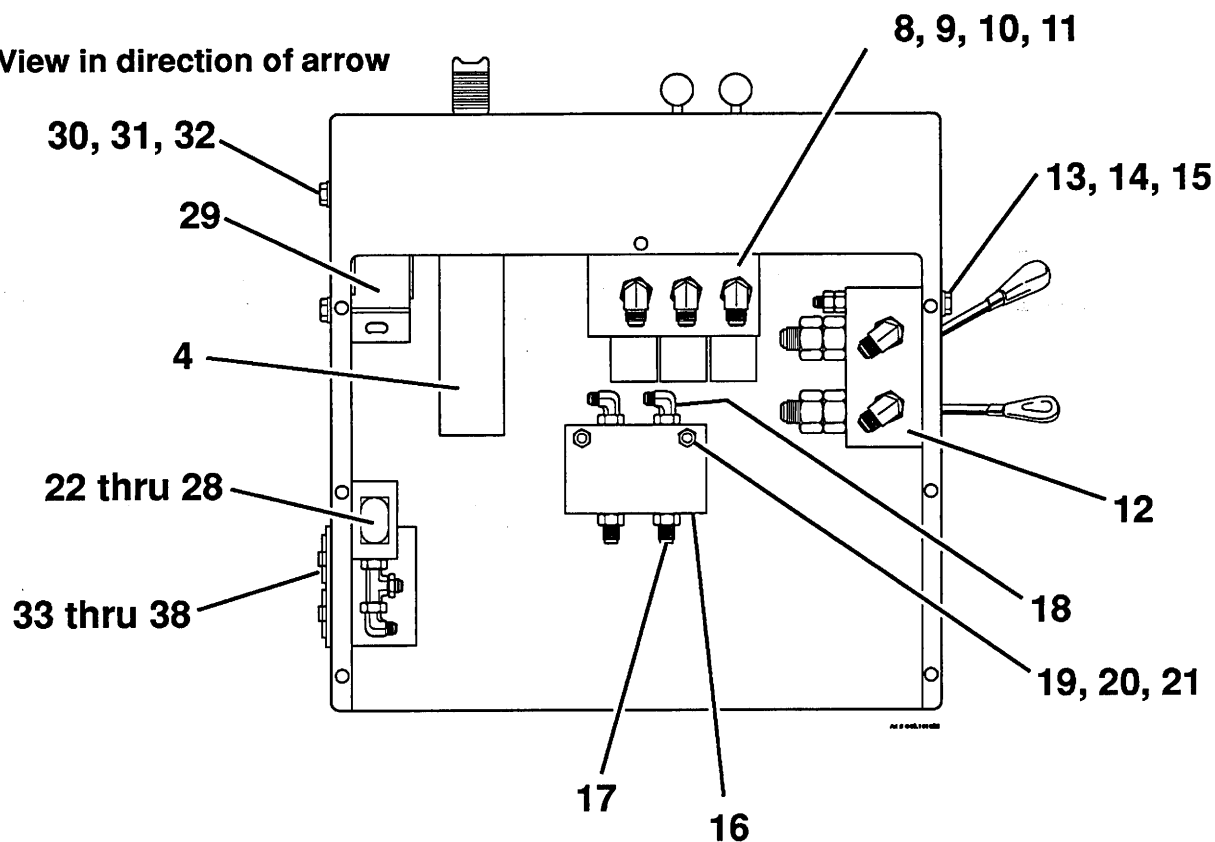
TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 3)

PLATE NO. C08.101 **SIMON AERIALS INC.**

REV. 15 NOV., 1993

PART NO. 3529470

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TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 15 NOV., 1993

PART
NO.

3529470

PLATE
NO.

C08.101

PARTS LIST

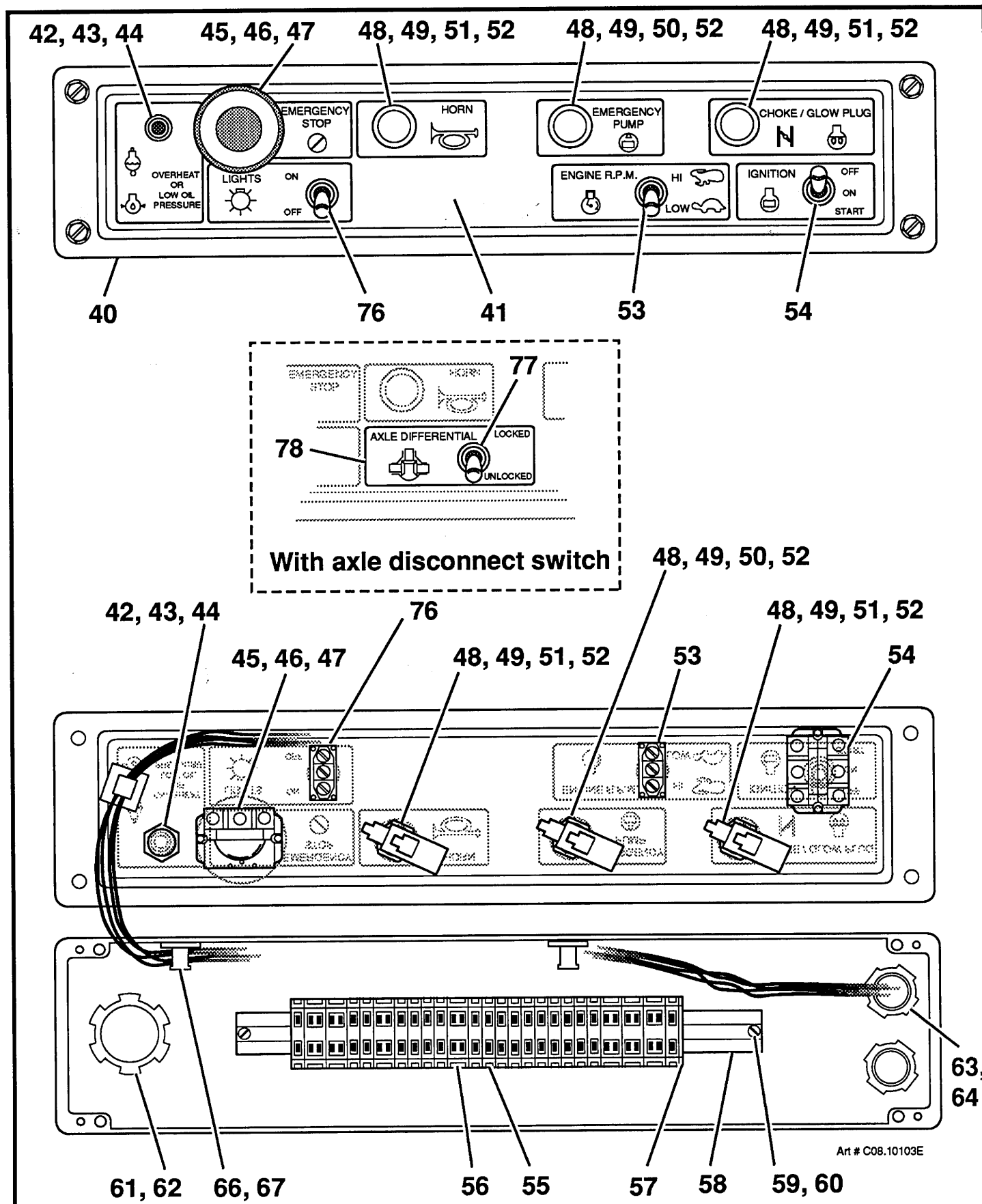
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
39	3529460		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
40			BOX, ELECTRICAL (Drilled. Includes cover and screws)	1
	2199360		for use with decal having red background at	
			Emergency Stop button (Type 1)	1
	2323810		for use with decal having yellow background at	
			Emergency Stop button (Type 2)	1
41			DECAL, PLATFORM ELECTRICAL BOX	1
	10-145900		Type 1. Area surrounding Emergency Stop button is red with white lettering	1
			Type 2. Area surrounding Emergency Stop button is yellow with red lettering	1
42	10-222300		DIODE, BLINKING (Red L.E.D.) (Engine warning)	1
	03-481200		for use with decal having red background at	
			Emergency Stop button (Type 1)	1
	03-706400		for use with decal having yellow background at	
			Emergency Stop button (Type 2)	1
43	03-481300		HOLDER, DIODE (used only with "Type 1" diode)	1
44	03-481100		RESISTOR (470 Ohm) (used only with "Type 1" diode)	1
45	03-496000		BUTTON, EMERGENCY STOP	
			(Red and silver, "pull to release" type)	1
46	03-454900		BASE, CONTACT BLOCK	1
47	03-496300		BLOCK, CONTACT (Normally closed)	1
48	03-402500		SWITCH (10 Amp, 250 Volt AC)	3
49	03-402600		SEAL, SWITCH BEZEL	3
50	03-402700		BUTTON, SWITCH (Red) (Emergency Pump)	1
51	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	2
52	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	3
53	03-020400		SWITCH, TOGGLE (Engine throttle)	
			(2 position, maintained contact, single pole, single throw)	1
54	03-032600		SWITCH, TOGGLE (Engine start)	
			(3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
55	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19
56	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8
57	03-036700		PLATE, TERMINAL BLOCK END	1
58	03-036600		RAIL, TERMINAL [1 M (39.37") long section]	
			[9" (229 mm) long piece needed for this application]	1
59	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2
60	07-050007		NUT, STOP (#6-32, Grade 5)	2

TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 3)

PLATE NO. C08.101 **SIMON AERIALS INC.**

REV. 15 NOV., 1993

PART NO. 3529470



TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 15 NOV., 1993

PART NO.

3529470

PLATE NO.

C08.101

PARTS LIST

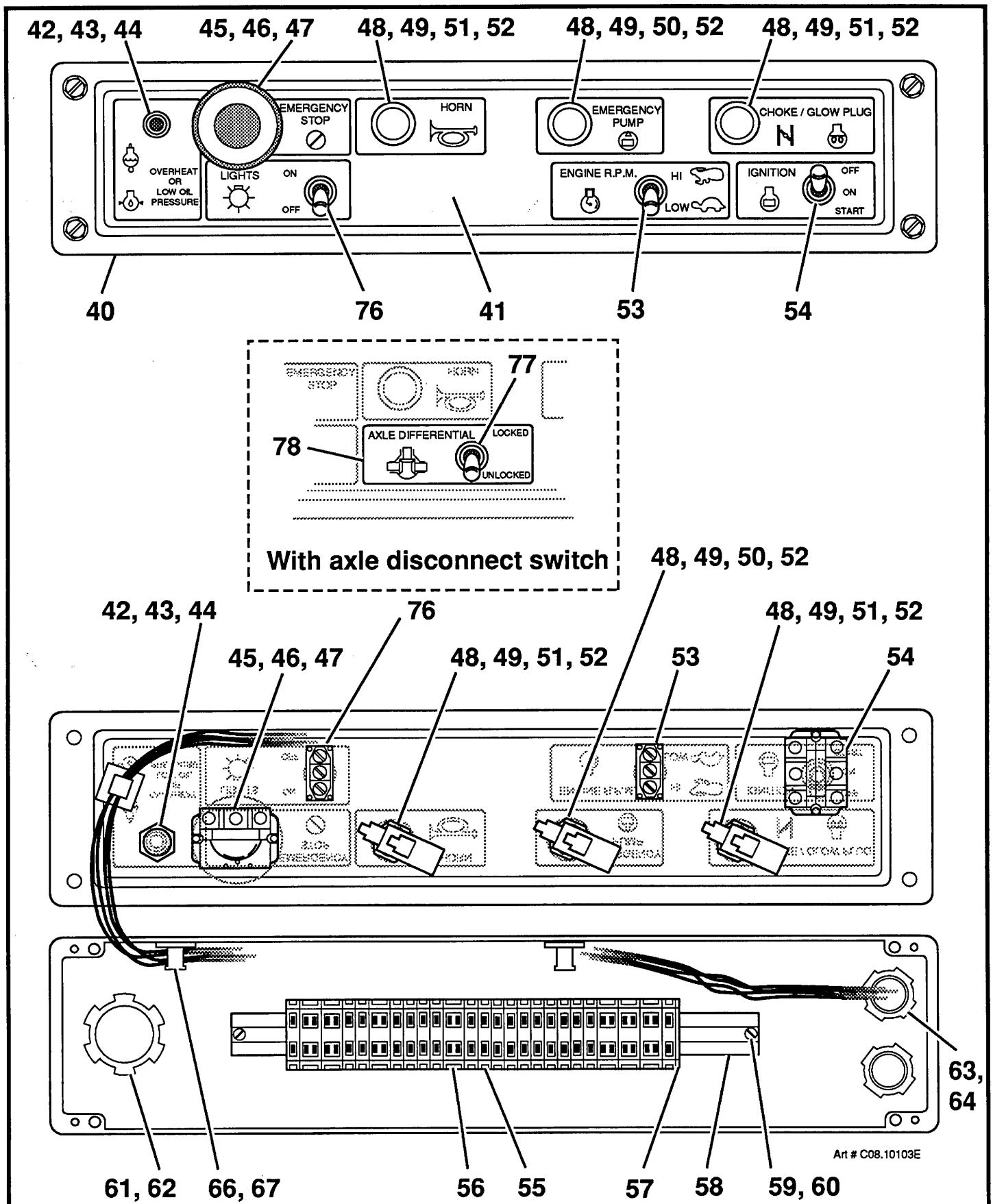
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TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 3 OF 3)

PLATE NO.	C08.101	SIMON AERIALS INC.
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REV. 15 NOV., 1993

PART NO.	3529470
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TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 40 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 15 NOV., 1993

PART
NO.

3529470

PLATE
NO.

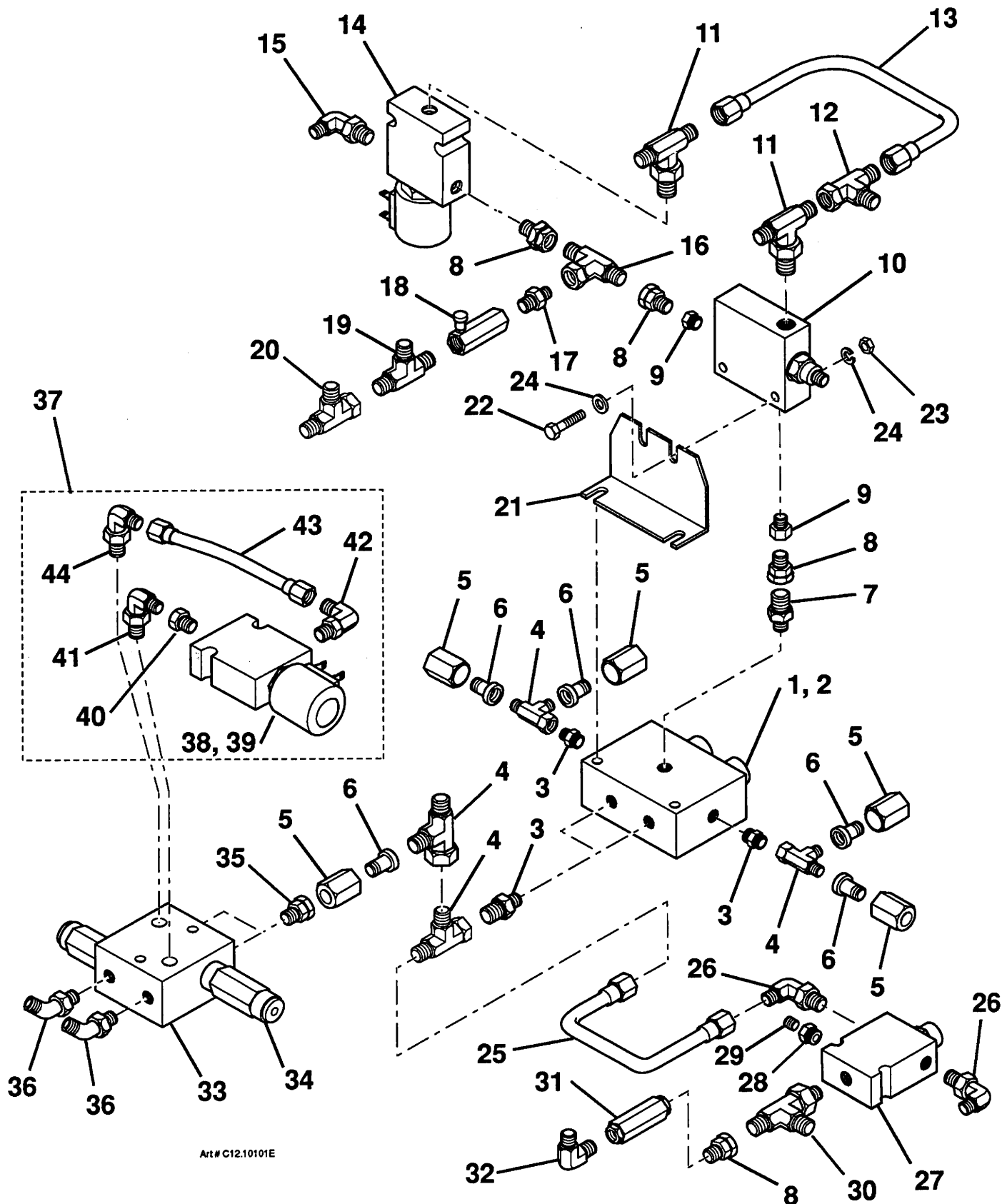
C08.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	• 01-225900		VALVE, MOTION CONTROL	1
2	01-013101		SEAL KIT, MOTION CONTROL VALVE	1
3	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	4
4	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	6
5	06-057800		NUT, TUBE (12 BTX-S)	6
6	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	6
7	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
8	06-079000		CONNECTOR, STRAIGHT THREAD (6 F65X-S)	4
9	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	2
10	01-012800		VALVE, PRESSURE REDUCING [10 Gal. (37.8 L) per min., 100 to 3000 PSI (6.9 to 207 bar) (7 to 211 Kg/ cm ²), set at 700 PSI (48 bar) (49 Kg/ cm ²)]	1
11	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S)	2
12	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
13	3530060		TUBE ASSEMBLY, FORMED	1
14	01-097600		VALVE, THREE-WAY (includes non-replaceable coil)	1
15	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
16	06-211100		BRANCH TEE, FEMALE 37° TO NPT (4 OTX-S)	1
17	06-076800		LONG REDUCER/ EXPANDER, PIPE THREAD (4-2 FF-S)	1
18	01-212100		VALVE, FLOW CONTROL (Needle valve) (1/8" NPT)	1
19	06-211200		RUN TEE, MALE 37° TO NPT (4 RTX-S)	1
20	06-054300		RUN TEE, 37° FEMALE SWIVEL NUT (4 R6X-S)	1
21	2199720		BRACKET, VALVE MOUNTING	1
22	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2
23	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
24	07-062015		WASHER, FLAT (5/16")	4
25	3508875		TUBE ASSEMBLY, FORMED	1
26	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	2
27	01-219500		VALVE, THREE-WAY (Pilot operated, SAE #12 ports)	1
28	06-091100		REDUCER/ EXPANDER (12-8 F50 G5-S)	1
29	06-095100		PLUG, HEX SOCKET (8 HP50N-S)	1
30	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
31	01-020800		VALVE, POPPET CHECK [3 PSI (.21 bar) (.21 Kg/ cm ²)	1
32	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1
33	01-202200		MANIFOLD, CROSS PORT RELIEF	1
34	01-202201		CARTRIDGE, CROSS PORT RELIEF VALVE	2
35	06-207800		ADAPTER, SWIVEL NUT (8 F650X)	2
36	06-047100		45° ELBOW, STRAIGHT THREAD (8 V50X-S)	2

TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

PLATE NO.	C12.101	SIMON AERIALS INC.	REV. 16 APR., 1993	PART NO.	3530100
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TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

3530100

PLATE
NO.

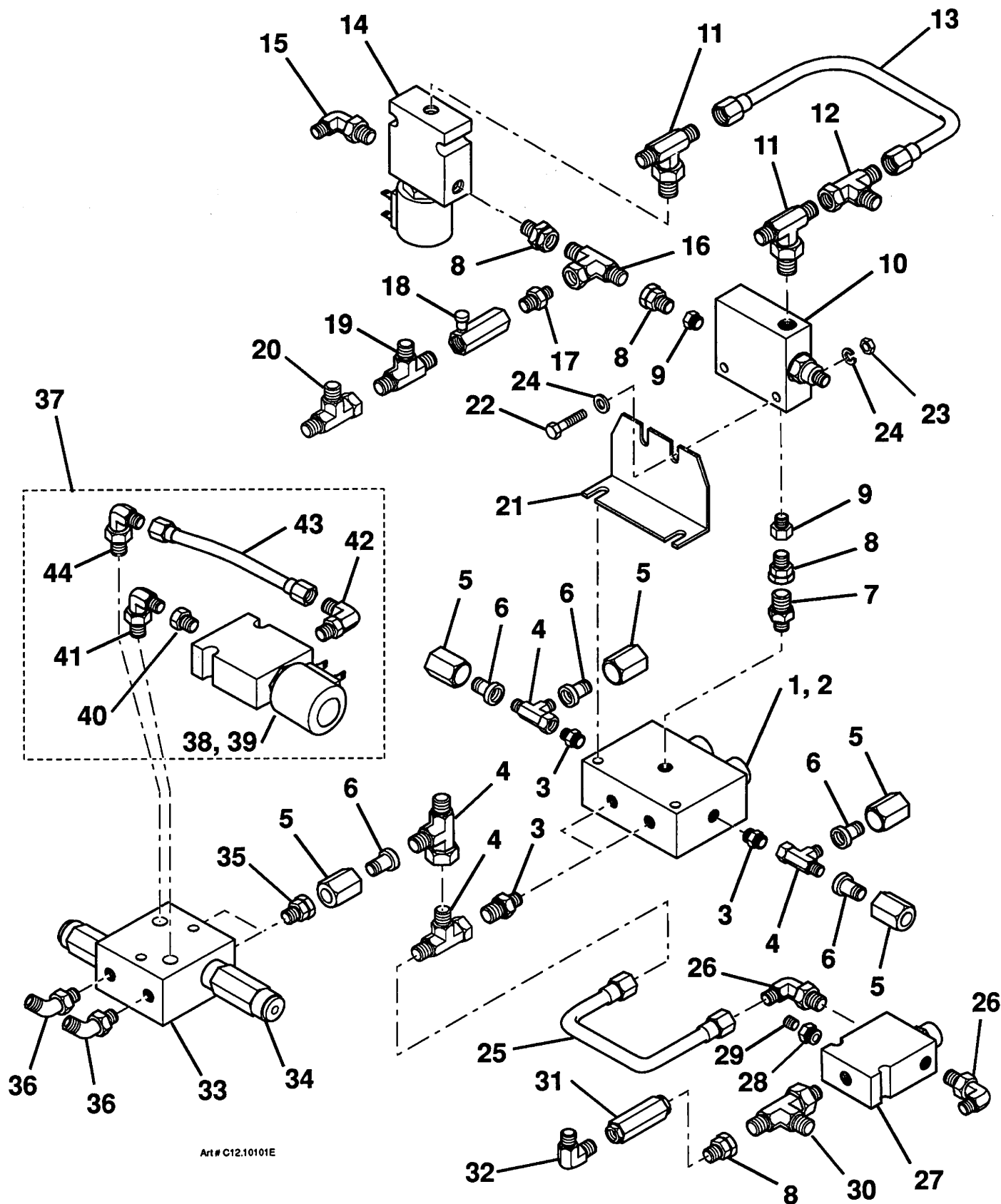
C12.101

PARTS LIST

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TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

PLATE NO. C12.101	SIMON AERIALS INC.	REV. 16 APR., 1993	PART NO. 3530100
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Art # C12.10101E

TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

3530100

PLATE
NO.

C12.101

PARTS LIST

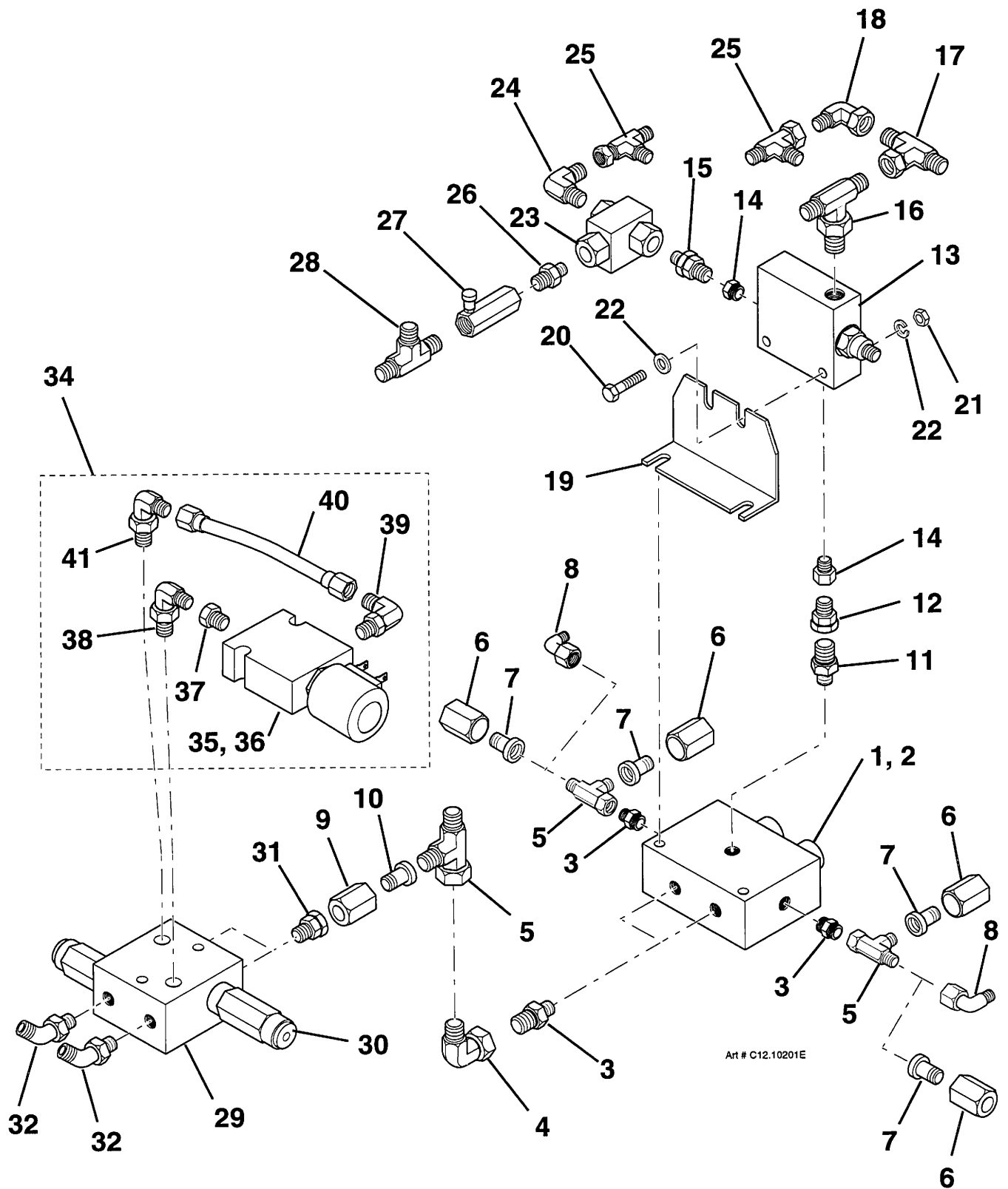
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			MOTION CONTROL VALVE ASSEMBLY (for models without 360° continuous rotation option) Earlier versions using #12 drive hoses	1
	353 0860			
	354 5140		Later versions using #16 drive hoses	
1	01-225900		VALVE, MOTION CONTROL	1
2	01-013101		SEAL KIT, MOTION CONTROL VALVE	1
3	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	4
4	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
5	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	4
6	06-057800		NUT, TUBE (12 BTX-S) (Earlier versions)	4
7	06-060900		REDUCER, TUBE END (12-8 TRTX-S) (Earlier versions)	4
8	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S) (Later versions)	2
9	06-057800		NUT, TUBE (12 BTX-S)	2
10	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2
11	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
12	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
13	01-012800		VALVE, PRESSURE REDUCING (10 Gal. [37.8 L] per min., 100 to 3000 PSI [6.9 to 207 bar] [7 to 211 Kg/ cm ²], set at 600 PSI [41 bar] [42 Kg/ cm ²])	1
14	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	2
15	06-096100		UNION (6 F50 F50-S)	1
16	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S50X-S)	1
17	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1
18	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
19	219 9720		BRACKET, VALVE MOUNTING	1
20	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2
21	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
22	07-062015		WASHER, FLAT (5/16")	4
23	01-013800		VALVE, SHUTTLE	1
24	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	1
25	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (Later versions)	2
26	06-076800		LONG REDUCER/ EXPANDER, PIPE THREAD (4-2 FF-S)	1
27	01-212100		VALVE, FLOW CONTROL (Needle valve) (1/8" NPT)	1
28	06-211200		RUN TEE, MALE 37° TO NPT (4 RTX-S)	1
29	01-202200		MANIFOLD, CROSS PORT RELIEF	1
30	01-202201		CARTRIDGE, CROSS PORT RELIEF VALVE	2
31	06-207800		ADAPTER, SWIVEL NUT (8 F65OX)	2
32	06-047100		45° ELBOW, "O"-RING TO 37° (8 V50X-S)	2
33	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F50G-S)	1

TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

PLATE NO. C12.102 **SIMON AERIALS INC.**

REV. 12 DEC., 1995

PART NO.



Art # C12.10201E

TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. **C12.102**

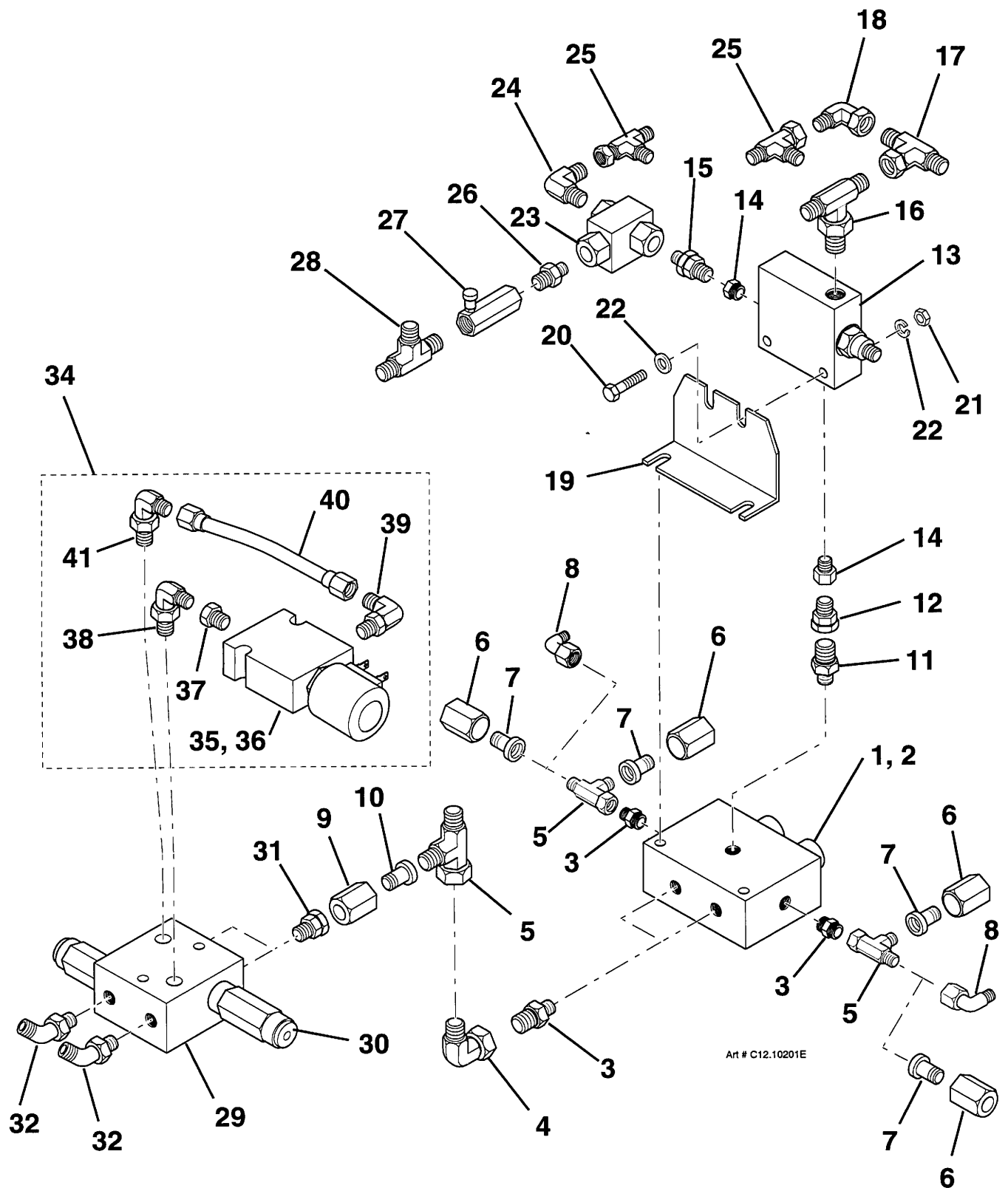
PARTS LIST

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TITLE	MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)
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PLATE NO.	C12.102	SIMON AERIALS INC.	REV. 12 DEC., 1995
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PART
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NO.



TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

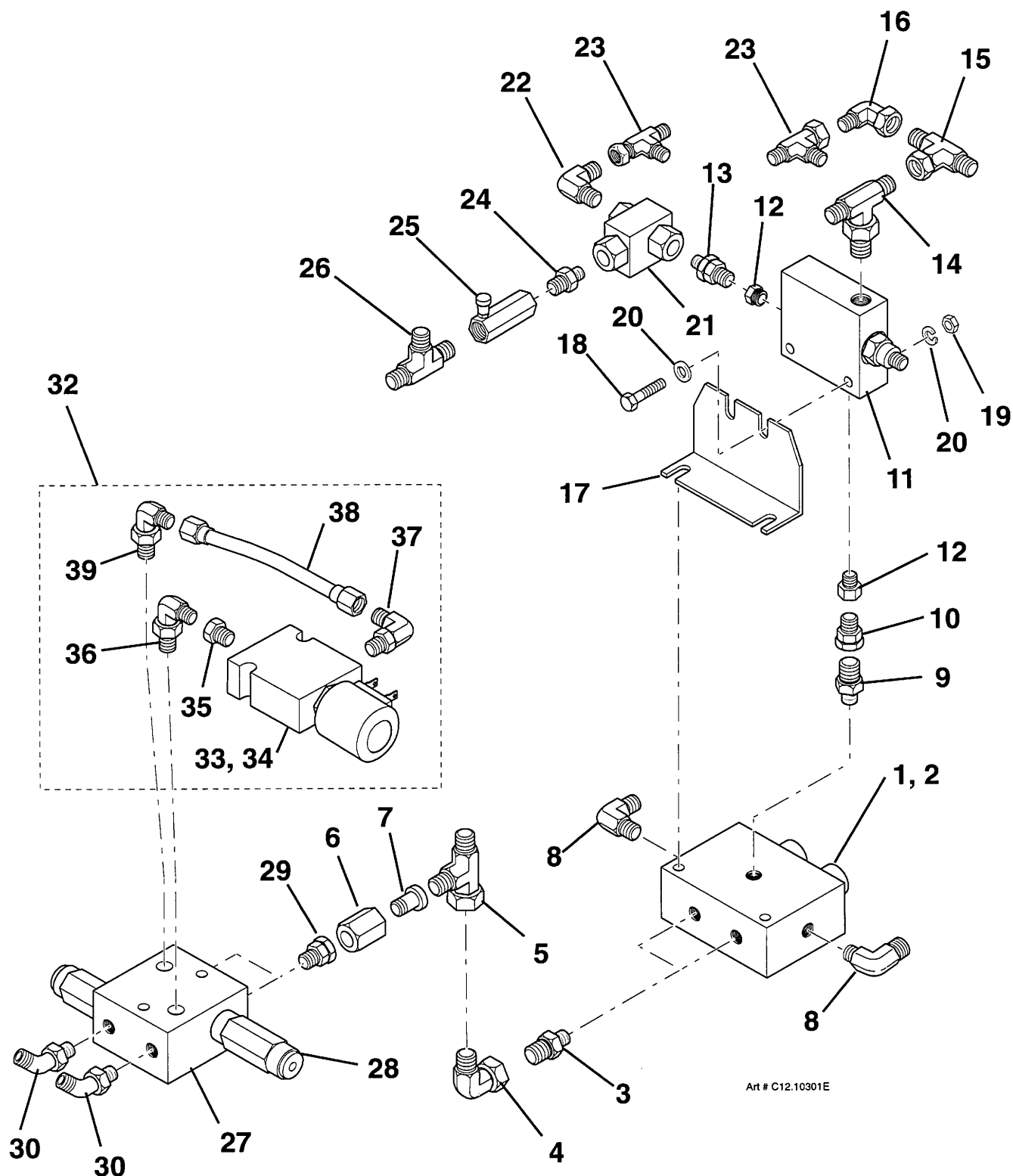
PLATE
NO. C12.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION
	353 1840		MOTION CONTROL VALVE (for models with 360° contin
	354 5440		Earlier versions using #12
			Later versions using #16
1	01-225900		VALVE, MOTION CONTROL
			Marked " CBG HLC NYKM "
2	01-013101		Set at 3000 psi [207 bar] [2
			SEAL KIT, MOTION CON
3	06-041100		ADAPTER, "O"-RING TO 37°
4	06-051800		90° ELBOW, SWIVEL NUT (
5	06-054800		RUN TEE, 37° FEMALE SWI
6	06-057800		NUT, TUBE (12 BTX-S)
7	06-060900		REDUCER, TUBE END (12-8
8			90° ELBOW, "O"-RING TO 3
	06-045600		12-16 C5OX-S (Earlier vers
	06-045800		16 C5OX-S (Later versions
9	06-191900		ADAPTER, "O"-RING TO 37°
10	06-079000		CONNECTOR, SWIVEL NUT
11	01-012800		VALVE, PRESSURE REDUC
			100 to 3000 PSI [6.9 to 207
			set at 600 PSI [41 bar] [42
12	06-090600		REDUCER/ EXPANDER (8-6
13	06-096100		UNION (6 F50 F50-S)
14	06-050000		BRANCH TEE, MALE "O"-RI
15	06-056000		BRANCH TEE, 37° FEMALE
16	06-051500		90° ELBOW, SWIVEL NUT (
17	219 9720		BRACKET, VALVE MOUNTI
18	07-003029		CAP SCREW, HEX HEAD (5
19	07-050015		NUT, LOCK (5/16"-18, Grade
20	07-062015		WASHER, FLAT (5/16")
21	01-013800		VALVE, SHUTTLE
22	06-044600		90° ELBOW, "O"-RING TO 3
23	06-054500		RUN TEE, 37° FEMALE SWI
			(Later versions)
24	06-076800		LONG REDUCER/ EXPAND
25	01-212100		VALVE, FLOW CONTROL (I
26	06-211200		RUN TEE, MALE 37° TO NP
27	01-202200		MANIFOLD, CROSS PORT
28	01-202201		CARTRIDGE, CROSS PO
29	06-207800		ADAPTER, SWIVEL NUT (8

TITLE MOTION CONTROL VALVE ASSEMBLY

PLATE NO. C12.103 **SIMON AERIALS INC.**



Art # C12.10301E

TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

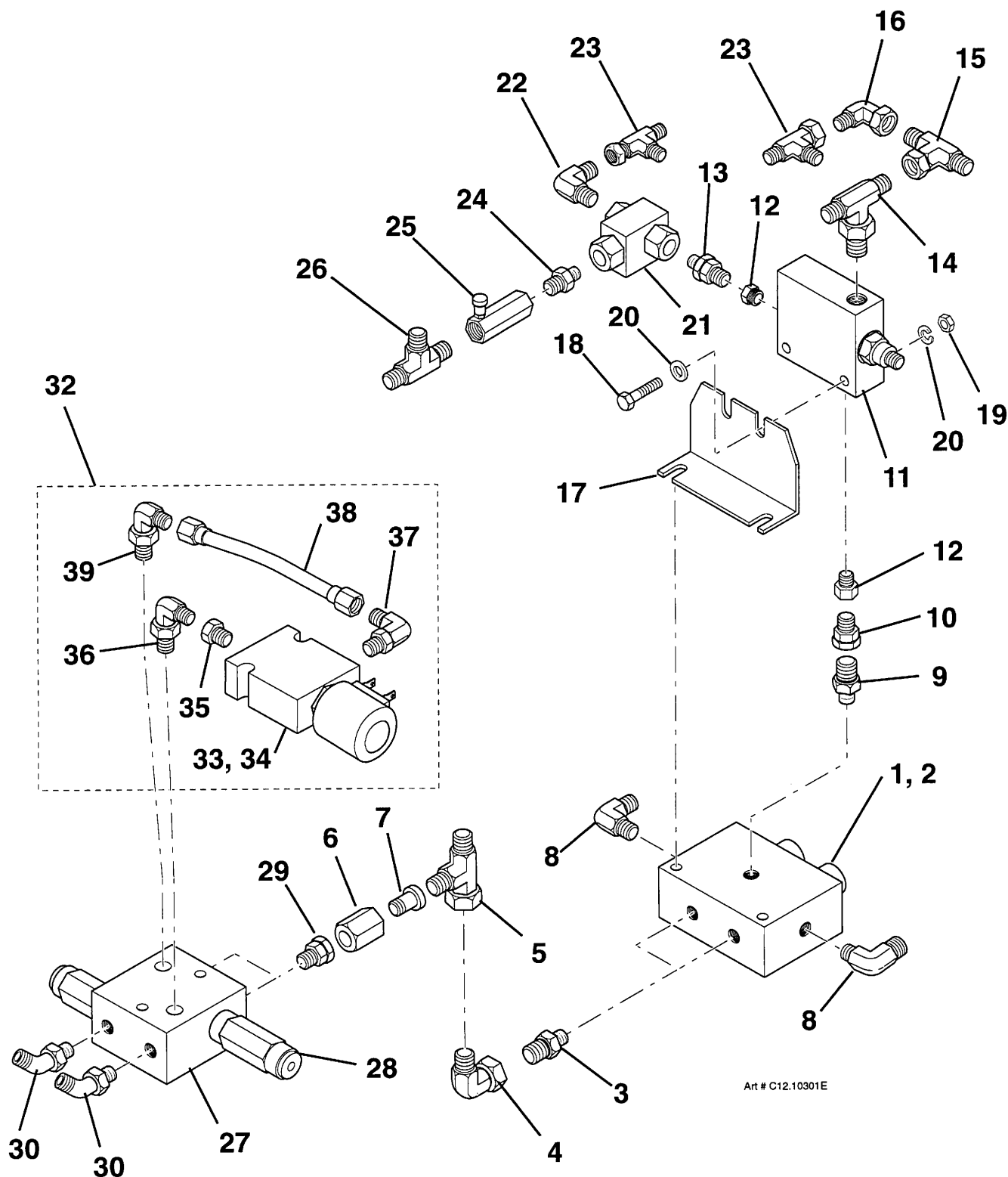
SIMON AERIALS INC.

REV. 20 FEB., 1997

PART
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PLATE
NO. C12.103

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TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 20 FEB., 1997

PART
NO.

PLATE
NO. C12.103

PARTS LIST

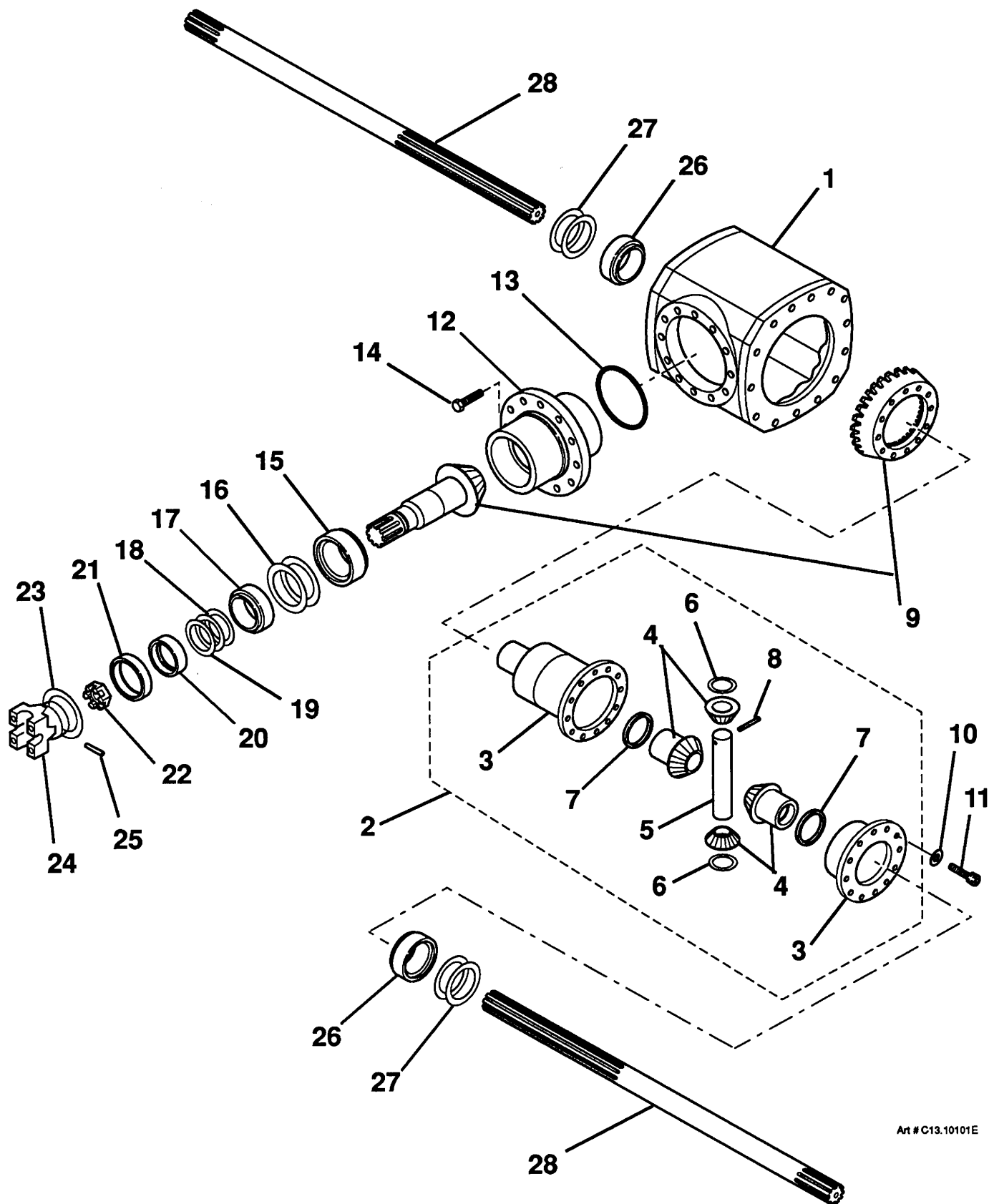
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	02-039600		AXLE ASSEMBLY, REAR (Type 1) Note: The "Type 1" axle was original equipment on Trailblazer 40 models up to serial number APA 00122. This axle is used with a prop shaft from the drive motor. It can be identified by the model designation "417R" on a nameplate mounted on the left axle tube housing.	1
1	02-039664		HOUSING, AXLE DIFFERENTIAL	1
2	02-039634		DIFFERENTIAL ASSEMBLY	1
3			CASE, DIFFERENTIAL (Includes two case halves)	1
4	02-039632		GEAR SET, DIFFERENTIAL (Includes 2 pinion gears and 2 side gears)	1
5	02-039630		BAR, DIFFERENTIAL SPIDER	1
6	02-039631		WASHER, SPHERICAL (Differential pinion)	2
7	02-039633		WASHER (Differential side gear)	2
8	02-039622		ROLL PIN	1
9	02-039627		GEAR SET, AXLE RING AND PINION	1
10	02-039660		SHOULDER BOLT, RING GEAR	12
11	02-039603		WASHER, DIFFERENTIAL HOUSING	12
12	• 02-039694		FLANGE, PINION SUPPORT	1
13	02-039613		"O"-RING (Pinion flange)	1
14	02-039615		BOLT (Pinion flange)	10
15	02-039628		BEARING, TAPERED ROLLER (Pinion rear)	1
16	02-039666		SHIM, PINION BEARING (Rear)	3
	02-039667		SHIM, PINION BEARING (Rear)	3
17	02-039629		BEARING, TAPERED ROLLER (Pinion front)	1
18	• 02-039674		RING, RETAINING (Snap ring)	1
19	• 02-039747		SHIM, PINION BEARING (Front)	2
	• 02-039756		SHIM, PINION BEARING (Front)	2
	• 02-039757		SHIM, PINION BEARING (Front)	2
20	• 02-039748		SPACER, PINION BEARING	1
21	02-039661		SEAL, PINION OIL	1
22	02-039620		NUT, PINION LOCK RETAINING	1
23	• 02-039695		COVER, DUST (Input flange)	1
24	• 02-039750		FLANGE, INPUT YOKE (Spicer type 1480 style)	1
25	• 02-039683		ROLL PIN	1
26	02-039623		BEARING, TAPERED ROLLER (Differential)	2
27	02-039624		SHIM, DIFFERENTIAL BEARING	4
	02-039625		SHIM, DIFFERENTIAL BEARING	4
28	02-039626		AXLE SHAFT	2

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 1 OF 4)

PLATE NO. C13.101 **SIMON AERIALS INC.**

REV. 16 APR., 1993

PART NO. 02-039600



Art # C13.10101E

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

02-039600

PLATE
NO.

C13.101

PARTS LIST

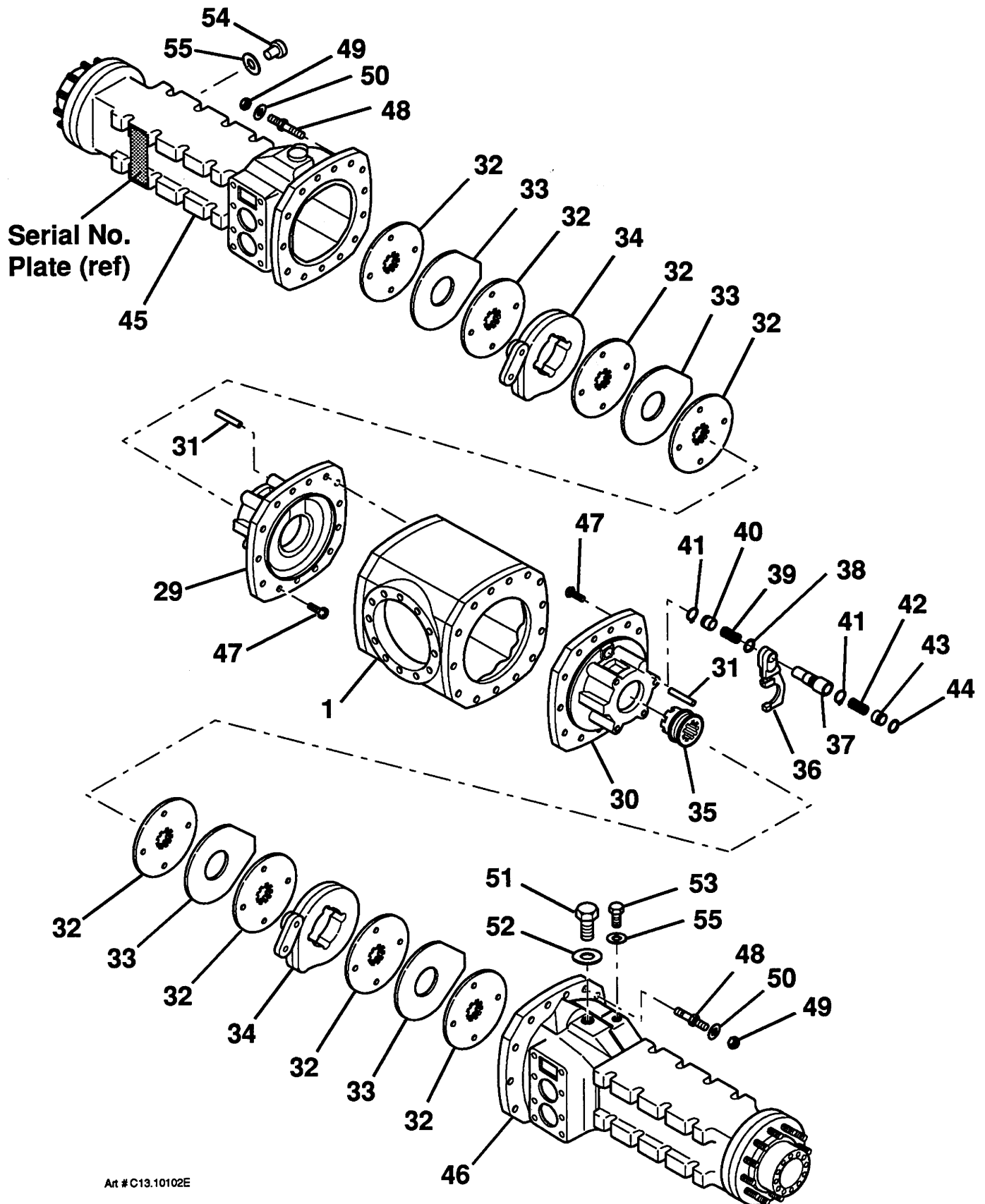
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
29	02-039606		FLANGE, INTERMEDIATE (Left, when facing axle input)	1
30	02-039607		FLANGE, INTERMEDIATE (Right, when facing axle input)	1
31	• 02-039690		PIN, DOWEL	6
32	02-039610		DISC, BRAKE	8
33	02-039609		DISC, INTERMEDIATE	4
34	02-039608		ACTUATOR, BRAKE	2
35	02-039650		COLLAR, LOCKING (Differential)	1
36	02-039617		FORK, HYDRAULIC DIFFERENTIAL LOCK	1
37	02-039645		PIN, HYDRAULIC DIFFERENTIAL LOCK	1
38	02-039616		RING, RETAINING (Hydraulic differential lock fork)	1
39	02-039614		SPRING (Hydraulic differential lock)	1
40	• 02-039755		BUSHING (Hydraulic differential lock pin)	1
41	02-039611		RING, RETAINING (Hydraulic differential lock)	2
42	02-039618		SPRING (Hydraulic differential lock piston)	1
43	02-039619		PISTON, HYDRAULIC DIFFERENTIAL LOCK	1
44	02-039621		"O"-RING (Hydraulic differential lock piston)	1
45	02-039601		HOUSING, AXLE TUBE (Left, when facing axle input)	1
46	02-039612		TUBE, AXLE (Right, when facing axle input)	1
47	02-039662		SCREW, BRAKE (M 8 x 14 mm)	4
48	02-039605		SHOULDER BOLT (Double threaded)	24
49	02-039602		NUT (Axle tube)	24
50	02-039603		WASHER, DIFFERENTIAL HOUSING	24
51	• 02-039682		BOLT (Differential lock)	3
52	• 02-039671		WASHER (Differential lock)	3
53	• 02-039685		PLUG (Axle tube oil filler)	2
54	• 02-039685		PLUG (Oil drain)	1
55	• 02-039669		WASHER	3

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 2 OF 4)

PLATE NO. C13.101 **SIMON AERIALS INC.**

REV. 16 APR., 1993

PART NO. 02-039600



TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

02-039600

PLATE
NO.

C13.101

PARTS LIST

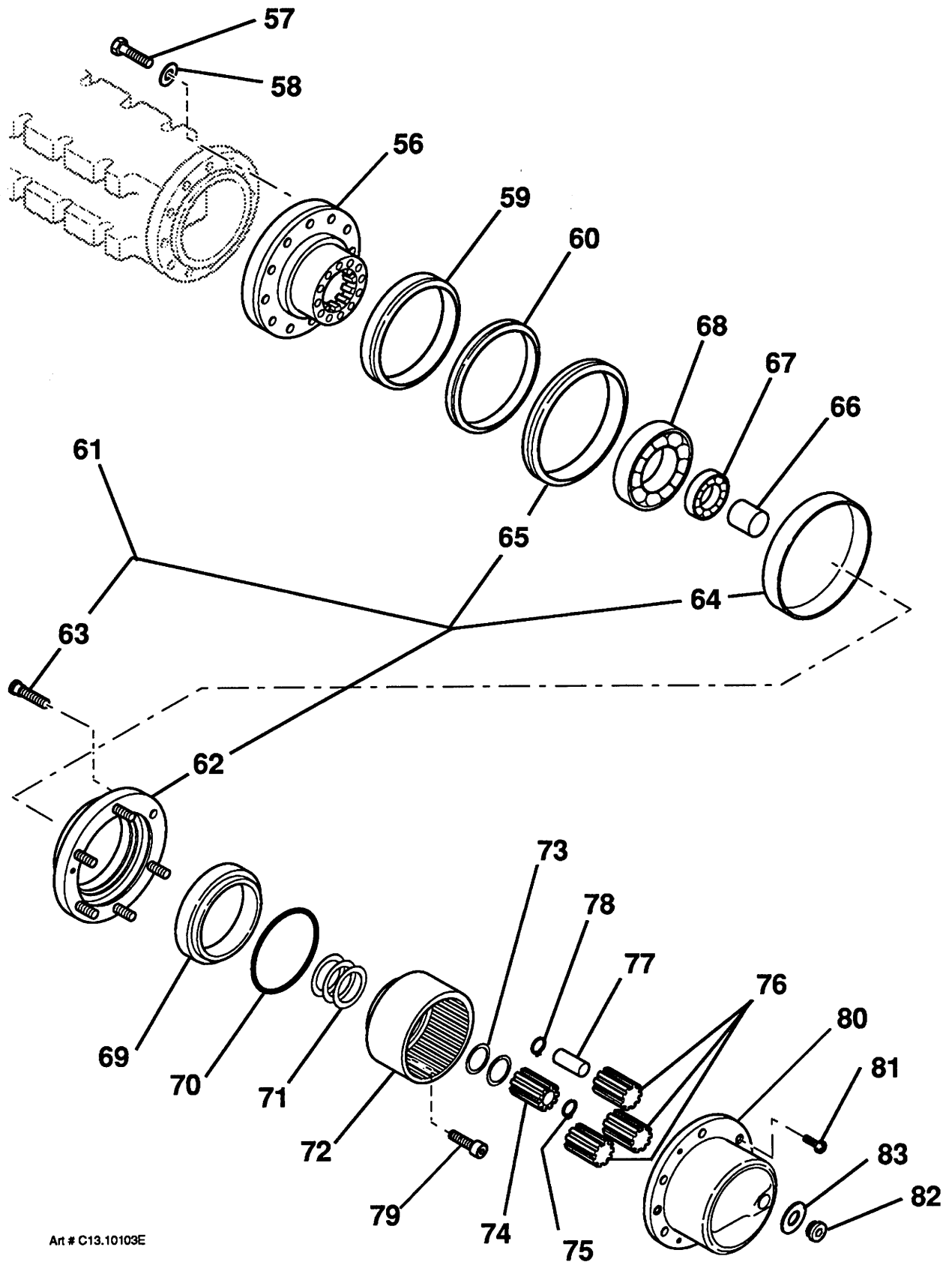
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
56	• 02-039751		SUPPORT, WHEEL HUB	2
57	02-039604		BOLT (Wheel flange)	24
58	• 02-039678		WASHER (Wheel flange)	24
59	02-039635		SEAL, OIL (Wheel flange)	2
60	02-039636		RING, DUST COVER	2
61	• 02-039753		HUB ASSEMBLY, REAR WHEEL	2
62			HUB, REAR WHEEL	1
63	• 02-039679		STUD, WHEEL	6
64	02-039637		WEAR RING, OIL SEAL	1
65	• 02-039696		COVER, DUST	1
66	02-039639		SPACER	2
67	• 02-039692		BEARING, BALL	2
68	02-039638		BEARING, TAPERED ROLLER	2
69	02-039640		BEARING, TAPERED ROLLER (Axle shaft outer)	2
70	02-039641		"O"-RING (Wheel flange)	2
71	• 02-039744		SHIM [.006" (.15 mm)]	2
	• 02-039745		SHIM [.008" (.20 mm)]	6
	• 02-039746		SHIM [.020" (.50 mm)]	6
72	02-039643		GEAR, INTERNAL	2
73	• 02-039698		SHIM [.008" (.20 mm)]	4
	• 02-039699		SHIM [.020" (.50 mm)]	4
74	02-039648		GEAR, SUN	2
75	• 02-039673		RING, RETAINING (Snap ring)	2
76	• 02-039765		GEAR SET, PLANET	2
			(includes 3 gears, roller bearings and snap rings)	2
77	02-039646		PIN, PLANET GEAR	6
78	02-039644		RING, RETAINING (Snap ring)	6
79	• 02-039647		BOLT (M 10 x 30 mm)	20
80	02-039651		CARRIER, PLANETARY	2
81	• 02-039680		BOLT	4
82	• 02-039686		BOLT, OIL FILLER	2
83	• 02-039668		WASHER	2

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 3 OF 4)

PLATE NO. C13.101 **SIMON AERIALS INC.**

REV. 16 APR., 1993

PART NO. 02-039600



TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 3 OF 4)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

02-039600

PLATE
NO.

C13.101

PARTS LIST

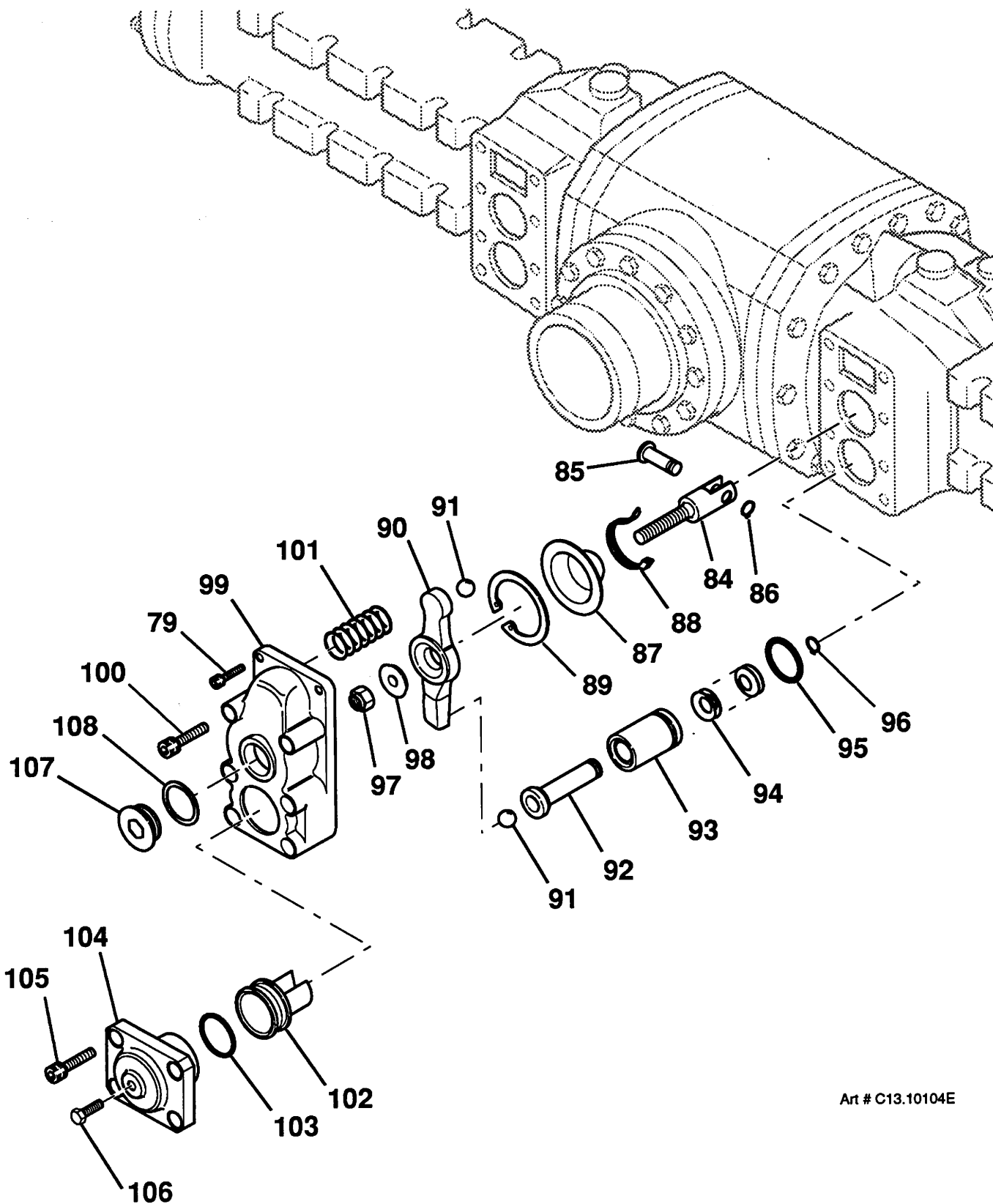
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
84	• 02-039655		LEVER, BRAKE FORK	2
85	02-039654		PIN, BRAKE PULL	2
86	• 02-039676		RING, RETAINING (Snap ring)	2
87	02-039653		BOOT, BRAKE (Bellows)	2
88	• 02-039768		CLAMP, BRAKE (Brake actuator)	2
89	• 02-039677		RING, RETAINING (Bellows snap ring)	2
90	• 02-039688		LEVER, BRAKE ACTUATING	2
91	02-039652		BALL, BRAKE ACTUATOR	4
92	• 02-039691		PIN, ACTUATING (Fail safe brake)	2
93	• 02-039693		RETAINER, SPRING (Fail safe brake)	2
94	• 02-039763		WASHER, SPRING (Belleville washer)	36
95	02-039659		"O"-RING (Fail safe brake)	2
96	• 02-039672		RING, RETAINING (Snap ring)	2
97	02-039649		NUT, BRAKE ADJUSTMENT	2
98	02-039665		WASHER, SPHERICAL	2
99	02-039656		COVER, BRAKE	2
100	02-039642		BOLT, HEX SOCKET HEAD (M 10 x 60 mm)	4
101	• 02-039762		SPRING, SERVICE BRAKE	2
102	02-039658		PISTON, FAIL SAFE BRAKE	2
103	02-039657		"O"-RING (Fail safe brake piston)	2
104	• 02-039689		FLANGE, FAIL SAFE BRAKE	2
105	02-039663		BOLT (M 10 x 85 mm) (Fail safe brake flange)	8
106	• 02-039681		BOLT, RELEASE (Fail safe brake)	2
107	• 02-039687		PLUG (Service brake)	2
108	• 02-039670		GASKET, (Service brake plug)	2
The following items are not part of Axle Assembly 02-039600				
109	2198320		PLATE, AXLE MOUNTING	2
	07-096800		"U"-BOLT KIT (7/8"-24) (optional with 2198320)	4
110	07-095600		CAP SCREW, HEX HEAD (3/4"-10 x 8-1/2", Grade 5)	8
111	07-050022		NUT, STOP (3/4"-10, Grade 5)	8
112	06-210800		MALE CONNECTOR, STRAIGHT THREAD (#4, M10-1.25mm, 7/16"-20) (for brake port)	2
113	06-210900		MALE CONNECTOR, STRAIGHT THREAD (#4, M10-1.5mm, 7/16"-20) (for differential lock)	1

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 4 OF 4)

PLATE NO. C13.101 **SIMON AERIALS INC.**

REV. 16 APR., 1993

PART NO. 02-039600



Art # C13.10104E

TITLE REAR AXLE ASSEMBLY (TYPE 1), TRAILBLAZER 40 (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 16 APR., 1993

PART
NO.

02-039600

PLATE
NO.

C13.101

PARTS LIST

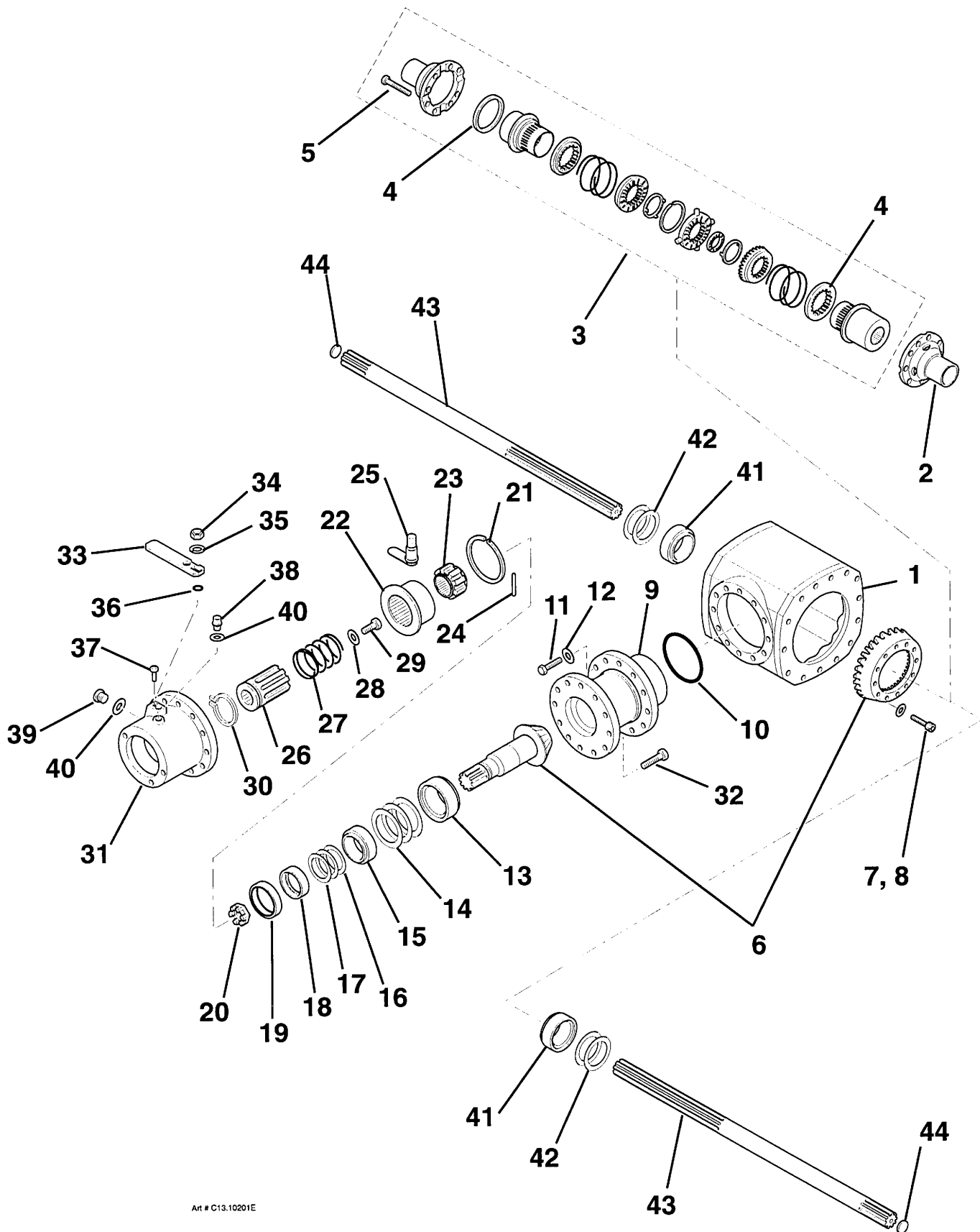
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	• 02-043400 02-039700		AXLE ASSEMBLY, REAR (Type 2) AXLE ASSEMBLY, REAR (superceded by 02-043400) Note: The "Type 2" axle is original equipment on Trailblazer 40, serial numbers APA 00122 and above; all Trailblazer 50 and 60, and all RP 46. This axle connects directly to the drive motor with no prop shaft. It can be identified by the model designation "418R" on a nameplate mounted on the left axle tube housing.	1
1	02-039664		HOUSING, AXLE DIFFERENTIAL	1
2	02-039742		CASE HALF, DIFFERENTIAL	1
3	• 02-039711		DIFFERENTIAL, "NO-SPIN" (includes washers)	1
4	02-039697		WASHER (Differential side gear)	2
5	02-039729		BOLT (Differential side gear)	8
6	02-039712		GEAR SET, AXLE RING AND PINION	1
7	02-039732		SHOULDER BOLT, RING GEAR (M 10 x 25 mm)	12
8	02-039603		WASHER, DIFFERENTIAL HOUSING	12
9	02-039743		HOUSING, PINION	1
10	02-039613		"O"-RING (Pinion housing)	1
11	02-039615		BOLT (Pinion flange)	10
12	02-039678		WASHER (Pinion flange)	24
13	02-039628		BEARING, TAPERED ROLLER (Pinion rear)	1
14	02-039666		SHIM, PINION BEARING (Rear)	3
	02-039667		SHIM, PINION BEARING (Rear)	3
15	02-039629		BEARING, TAPERED ROLLER (Pinion front)	1
16	02-039674		"O"-RING (Pinion front)	1
17	02-039747		SHIM, PINION BEARING (Front)	2
	02-039756		SHIM, PINION BEARING (Front)	2
	02-039757		SHIM, PINION BEARING (Front)	2
18	02-039748		SPACER, PINION SEAL	1
19	02-039661		SEAL, PINION OIL	1
20	02-039620		NUT, PINION LOCK RETAINING	1
21	02-039725		RING, RETAINING (Snap ring)	2
22	02-039761		SLEEVE, OUTER (Hydraulic motor disconnect)	1
23	02-039759		SLEEVE, ENGAGING (Hydraulic motor disconnect)	1
24	02-039683		PIN, SPLINED	1
25	02-039741		PIN, MOTOR DISCONNECT	1
26	02-039760		SLEEVE, INNER (Hydraulic motor disconnect)	1

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 1 OF 4)

PLATE NO. C13.102 **SIMON AERIALS INC.**

REV. 20 FEB., 1997

PART NO.



Art # C13.10201E

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 20 FEB., 1997

PART
NO.

PLATE
NO. C13.102

PARTS LIST

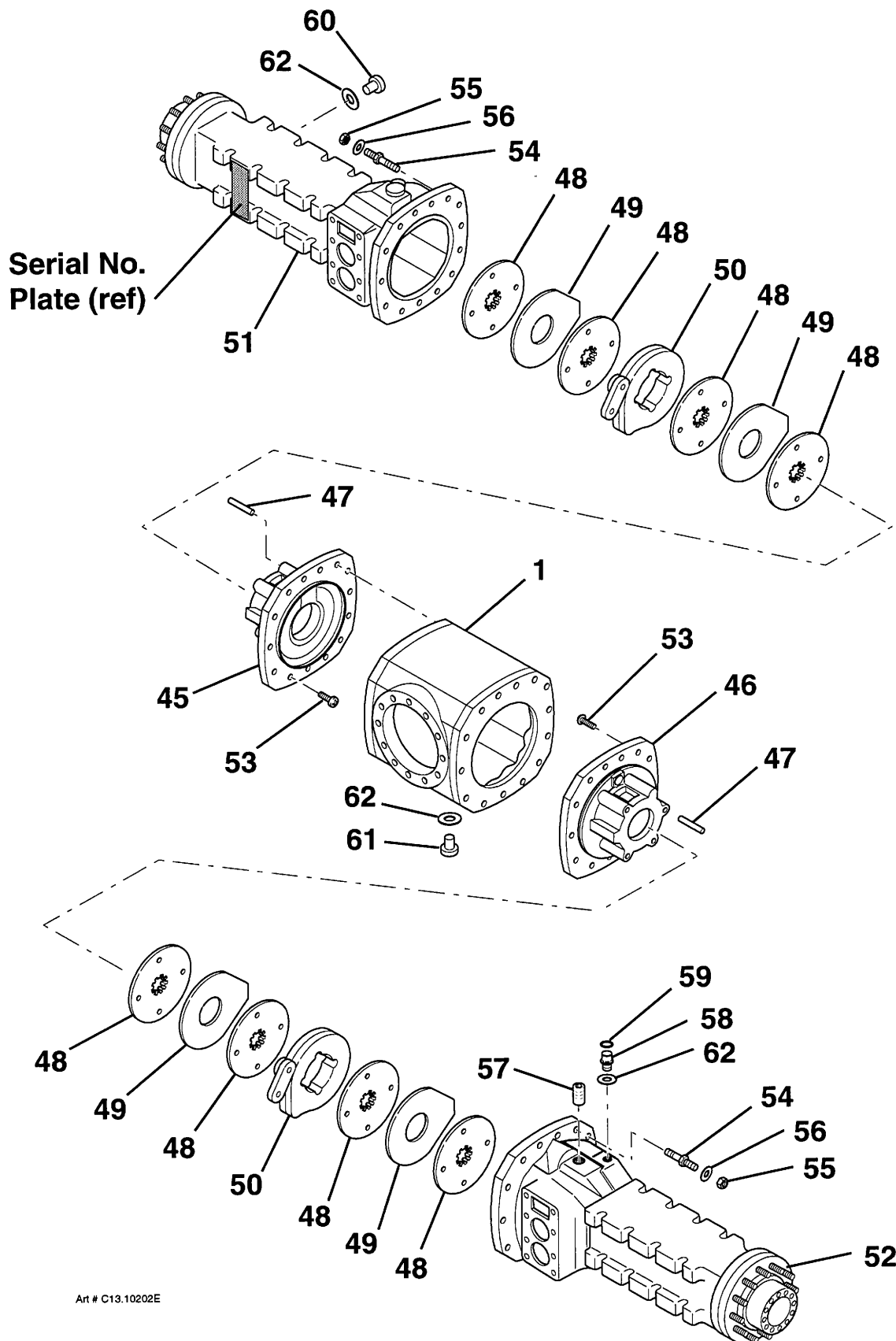
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	02-039764		SPRING	1
28	02-039749		SPACER	1
29			BOLT	1
30	02-039724		RING, RETAINING (Snap ring)	1
31	02-039739		HOUSING, HYDRAULIC MOTOR DISCONNECT	1
32	02-039615		BOLT, PINION FLANGE	18
33	02-039740		LEVER (Hydraulic motor disconnect)	1
34	02-039734		NUT	1
35	02-039728		WASHER, HELICAL LOCK	1
36	02-039723		"O"-RING	1
37	02-039731		BOLT (M 6 x 10 mm)	1
38	02-039737		BREATHER	1
39	02-039686		BOLT, OIL FILL	1
40	02-039668		WASHER	2
41	02-039623		BEARING, TAPERED ROLLER (Differential)	2
42	02-039624		SHIM, DIFFERENTIAL BEARING	4
	02-039625		SHIM, DIFFERENTIAL BEARING	4
43			AXLE SHAFT (Ref. plate on left axle tube housing)	
	02-039708		for axle with serial no. "00001/ 92 " thru "00031/ 92 " [Shaft is 773 mm (30.43") long]	2
	02-039707		for axle with serial no. "00032/ 92 " and up [Shaft is 783 mm (30.83") long]	2
44	02-039768		BUTTON, SHAFT STOP (Ref. plate on left axle tube housing) for axle with serial no. "00001/ 92 " thru "00031/ 92 "	2
45	02-039606		FLANGE, INTERMEDIATE (Left, when facing axle input)	1
46	02-039607		FLANGE, INTERMEDIATE (Right, when facing axle input)	1
47	02-039690		PIN, DOWEL	6
48	02-039610		DISC, BRAKE	8
49	02-039609		DISC, INTERMEDIATE	4
50	02-039608		ACTUATOR, BRAKE	2
51	02-039601		HOUSING, AXLE TUBE (Left, when facing axle input)	1
52	02-039612		TUBE, AXLE (Right, when facing axle input)	1
53	02-039662		BOLT, BRAKE (M 8 x 14 mm)	4
54	02-039605		SHOULDER BOLT (Double threaded)	24
55	02-039602		NUT (Axle tube)	24
56	02-039603		WASHER, DIFFERENTIAL HOUSING	24
57	02-039733		PIN, LOCATING	1
58	02-039736		PLUG, BREATHER	1
59	02-039722		"O"-RING	1
60	02-039685		PLUG (Axle tube oil filler)	1
61	02-039684		PLUG (Oil drain)	3
62	02-039669		WASHER	5

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 2 OF 4)

PLATE NO. **C13.102** **SIMON AERIALS INC.**

REV. 20 FEB., 1997

PART NO.



TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 20 FEB., 1997

PART
NO.

PLATE
NO. C13.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
63	02-039713		SUPPORT ASSEMBLY, WHEEL HUB	2
64			SUPPORT, WHEEL HUB	1
65	02-039709		RING, OIL SEAL	1
66	02-039710		COVER, DUST	1
67	02-039706		BOLT (Wheel flange) (M 14 x 40 mm)	24
68	02-039678		WASHER (Wheel flange)	24
69			HUB ASSEMBLY, REAR WHEEL (Ref. plate on left axle tube housing)	
	02-039754		for axle with serial no. "00001/ 92" thru "00066/ 92"	2
	02-039752		for axle with serial no. "00067/ 92" and up	2
70			HUB, REAR WHEEL	1
71			STUD, WHEEL (Ref. plate on left axle tube housing)	
	02-039703		for axle with serial no. "00001/ 92" thru "00066/ 92"	8
	02-039705		for axle with serial no. "00067/ 92" and up	8
72	02-039702		SEAL, OIL	2
73	02-039640		BEARING, TAPERED ROLLER	4
74	02-039701		"O"-RING (Wheel hub)	2
75	02-039726		RING, STOP	2
76	02-039766		FLANGE, ANNULUS	2
77	02-039704		BOLT (M 10 x 35 mm)	24
78	02-039758		SLEEVE, HALF SHAFT	2
79	02-039738		ROLL PIN (for axle with serial no. "00032/ 92" and up) (Ref. plate on left axle tube housing)	2
80	02-039718		GEAR, INTERNAL	2
81	02-039720		GEAR, SUN	2
82	02-039716		BUTTON, SHAFT STOP	2
83	02-039715		SHIM, SHAFT STOP	2
84	02-039719		GEAR SET, PLANET (set of three matched gears)	2
85	02-039721		BEARING, ROLLER	6
86	02-039767		WASHER	12
87	02-039717		PIN, PLANET GEAR	6
88	02-039611		RING, RETAINING (Snap ring)	6
89	02-039714		CARRIER, PLANETARY	2
90	02-039735		NUT	16
91	02-039730		BOLT (M 10 x 20 mm)	4

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 3 OF 4)

PLATE NO. **C13.102** **SIMON AERIALS INC.**

REV. 20 FEB., 1997

PART NO.

PARTS LIST

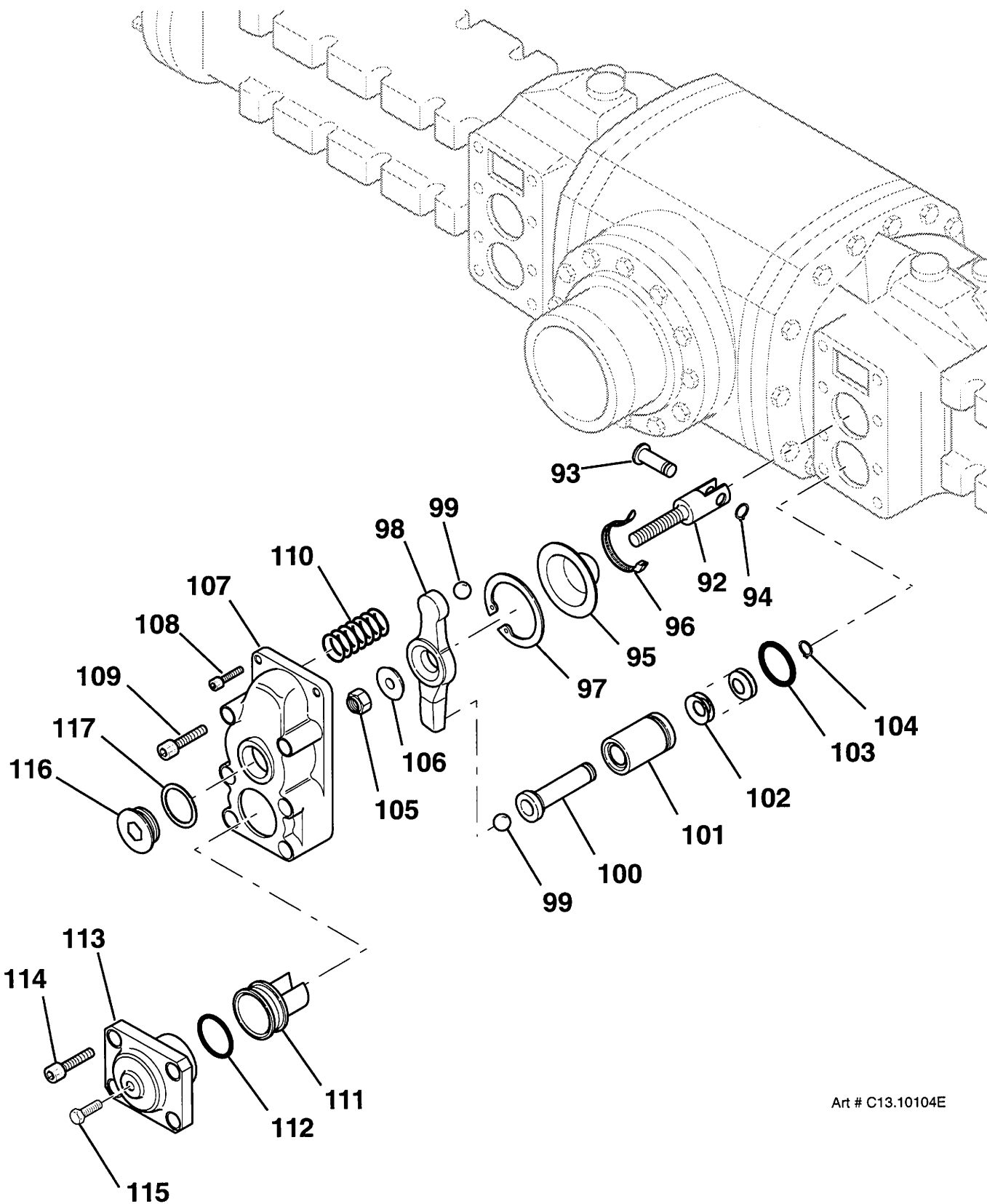
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	02-039655		LEVER, BRAKE FORK	2
93	02-039654		PIN, BRAKE PULL	2
94	02-039676		RING, RETAINING (Snap ring)	2
95	02-039653		BOOT, BRAKE (Bellows)	2
96	02-039769		CLAMP, BRAKE (Brake actuator)	2
97	02-039677		RING, RETAINING (Bellows snap ring)	2
98	02-039688		LEVER, FAIL SAFE BRAKE ACTUATING	2
99	02-039652		BALL, FAIL SAFE BRAKE ACTUATOR	4
100	02-039691		PIN, ACTUATING (Fail safe brake)	2
101	02-039693		RETAINER, SPRING (Fail safe brake)	2
102	02-039763		WASHER, SPRING (Belleville washer)	36
103	02-039659		"O"-RING (Fail safe brake)	2
104	02-039672		RING, RETAINING (Snap ring)	2
105	02-039649		NUT, BRAKE ADJUSTMENT	2
106	02-039665		WASHER, SPHERICAL	2
107	02-039656		COVER, BRAKE	2
108	02-039647		BOLT, HEX SOCKET HEAD (M 10 x 30 mm)	4
109	02-039642		BOLT, HEX SOCKET HEAD (M 10 x 60 mm)	4
110	02-039762		SPRING, SERVICE BRAKE	2
111	02-039658		PISTON, FAIL SAFE BRAKE	2
112	02-039657		"O"-RING (Fail safe brake piston)	2
113	02-039689		FLANGE, FAIL SAFE BRAKE	2
114	02-039663		BOLT (M 10 x 85 mm) (Fail safe brake flange)	8
115	02-039681		BOLT, RELEASE (Fail safe brake)	2
116	02-039687		PLUG (Service brake)	2
117	02-039670		GASKET, (Service brake plug)	2
			The following items are not part of Axle Assembly 02-043400:	
118	07-096800		"U"-BOLT KIT (7/8"-24)	4
119	06-210800		MALE CONNECTOR, STRAIGHT THREAD (#4, M10-1.25mm, 7/16"-20) (for brake port)	2
120	06-051300		ELBOW, SWIVEL NUT (4 C6X-S)	2

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 4 OF 4)

PLATE NO. **C13.102** **SIMON AERIALS INC.**

REV. 20 FEB., 1997

PART NO.



Art # C13.10104E

TITLE REAR AXLE ASSEMBLY (TYPE 2), TRAILBLAZER, RP 46 (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 20 FEB., 1997

PART
NO.

PLATE
NO. C13.102

PARTS LIST

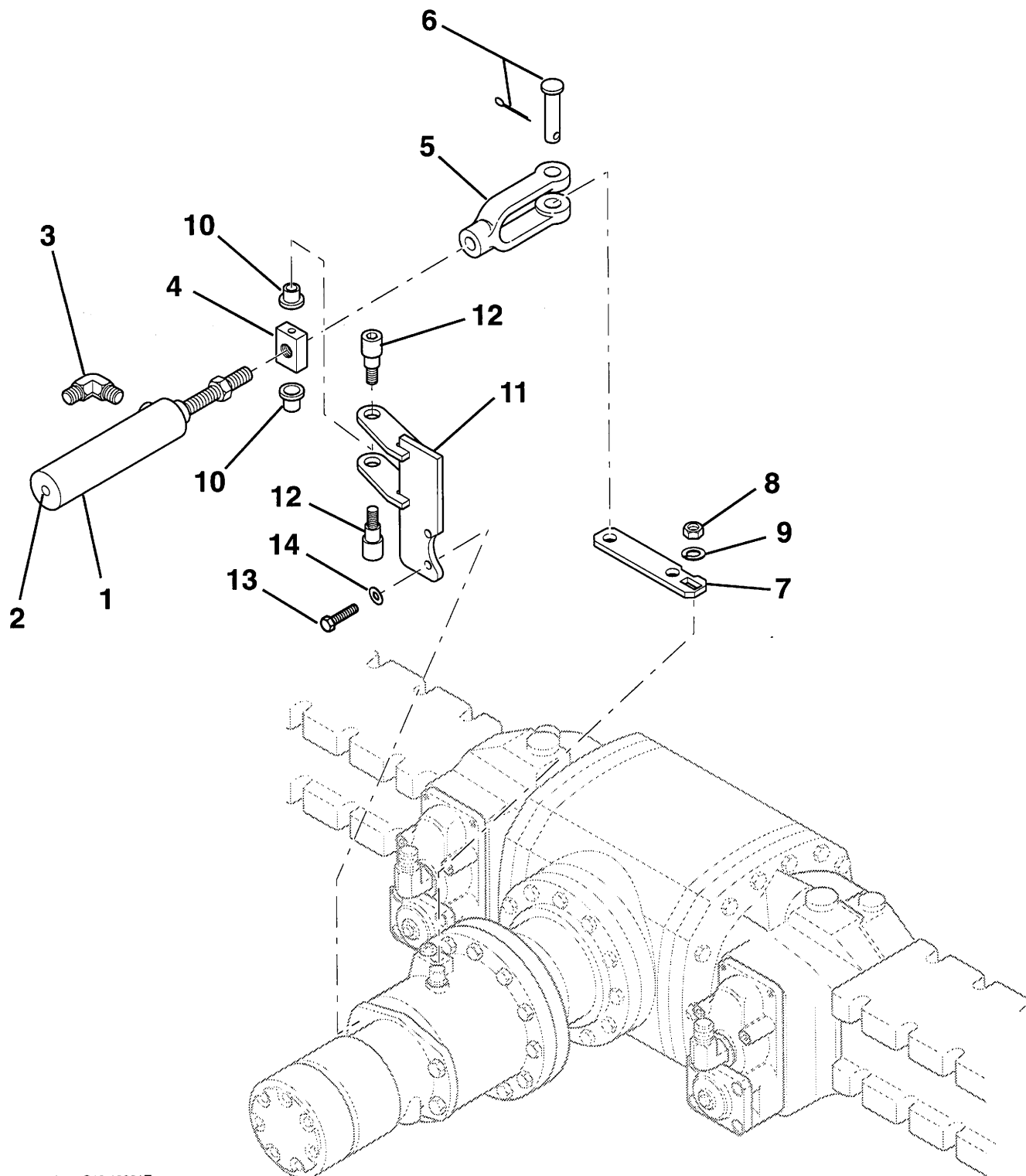
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TITLE	REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY
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PLATE NO. C13.103	SIMON AERIALS INC.
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REV. 11 MAR., 1994

PART NO. 3533110



Art # C13.10301E

TITLE

REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY

SIMON AERIALS INC.

REV. 11 MAR., 1994

PART
NO.

3533110

PLATE
NO.

C13.103

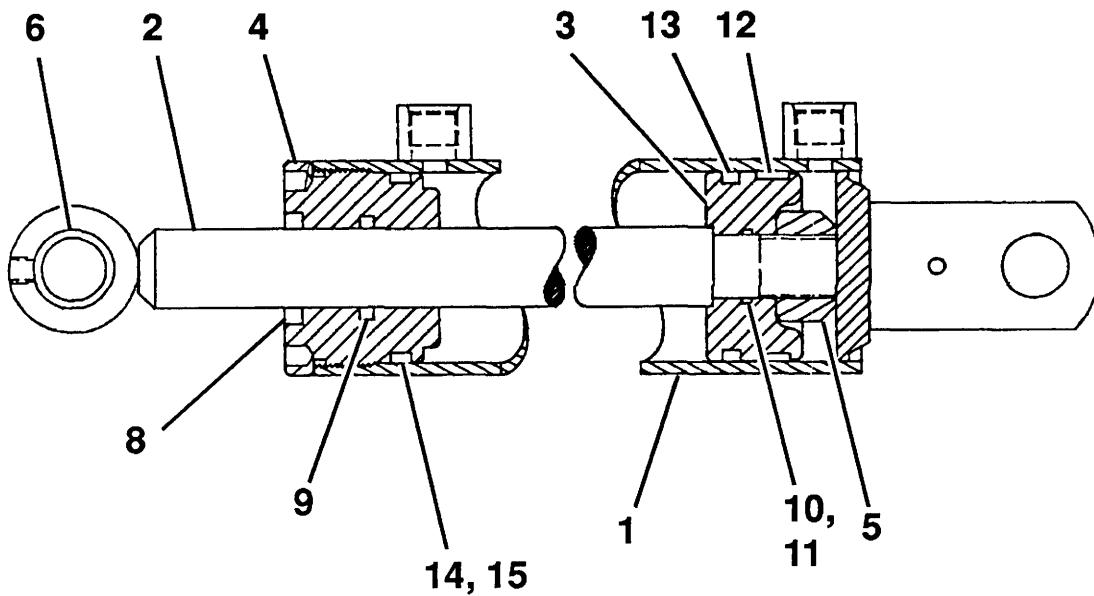
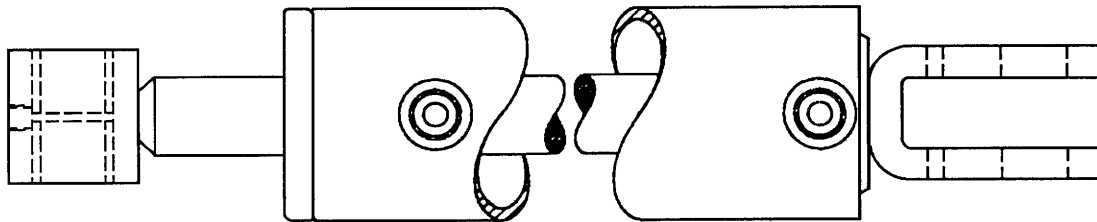
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TITLE STEER CYLINDER, 10" (25.4 CM) STROKE

PLATE NO.	D01.101	SIMON AERIALS INC.
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NEW 07 JAN., 1993

PART NO. 04-035200



TITLE STEER CYLINDER, 10" (25.4 CM) STROKE

SIMON AERIALS INC.

NEW 07 JAN., 1993

PART
NO.

04-035200

PLATE
NO.

D01.101

PARTS LIST

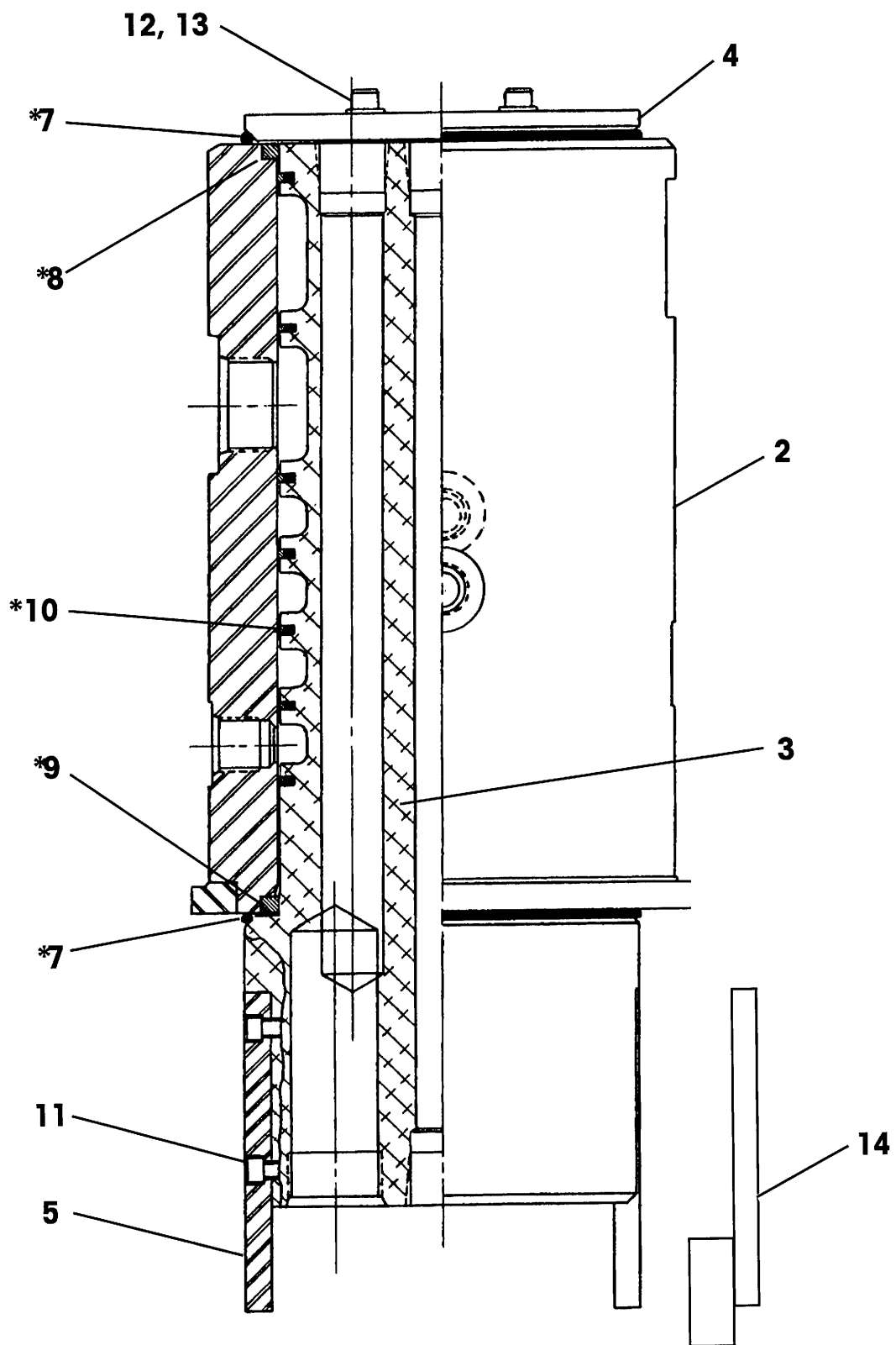
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-008700 235 1600		HYDRAULIC SWIVEL For all versions except as listed below For Model RP 86	1
2			HOUSING, HYDRAULIC SWIVEL	1
3			SPOOL	1
4			RETAINER PLATE	1
5	04-008703 236 0930		ARM, TORQUE Standard 8" (203 mm) long arm for Swivel 04-008700 4" (102 mm) long arm for Hydraulic Swivel 235 1600	2
6	04-008702		SERVICE KIT, HYDRAULIC SWIVEL Note: Items in service kit identified by asterisk (*).	1
7*			"O"-RING	2
8*			RING, WEAR	1
9*			RING, WEAR	1
10*	04-008701		SEAL KIT (consists of [7] "O"-Rings and [7] Slipper seals)	1
11	04-008704		CAP SCREW, SOCKET HEAD	4
12			CAP SCREW, SOCKET HEAD	4
13			WASHER, LOCK	4
			The following item is not included with Hydraulic Swivel 04-008700, but replaces Item #5 in some applications:	
14	210 1030		STOP, SWIVEL	2
			The following items are not included with Hydraulic Swivel 04-008700 or 235 1600:	
15	06-192200		HOSE FITTING (S2102-8-8) (For center port on some versions of Model MP 80 and smaller)	1
16	06-071400		REDUCER, PIPE THREAD (3/4 x 1/2 PTR-S) (For center port on Model MPH 80, MP 95, MP 110 and RP 120)	1

TITLE

HYDRAULIC SWIVEL

SECTION **D02.** PLATE NO. **01** PAGE **01** REV. **-** DATED 22 APR., 1996 PART NO.

 Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Note: Items in service kit identified by asterisk (*)



Simon Aerials Inc.
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Fax 414-355-3172

TITLE

HYDRAULIC SWIVEL

PART
NO.

REV.
-

DATED
22 APR., 1996

SECTION

D02.

PLATE NO.

01

PAGE

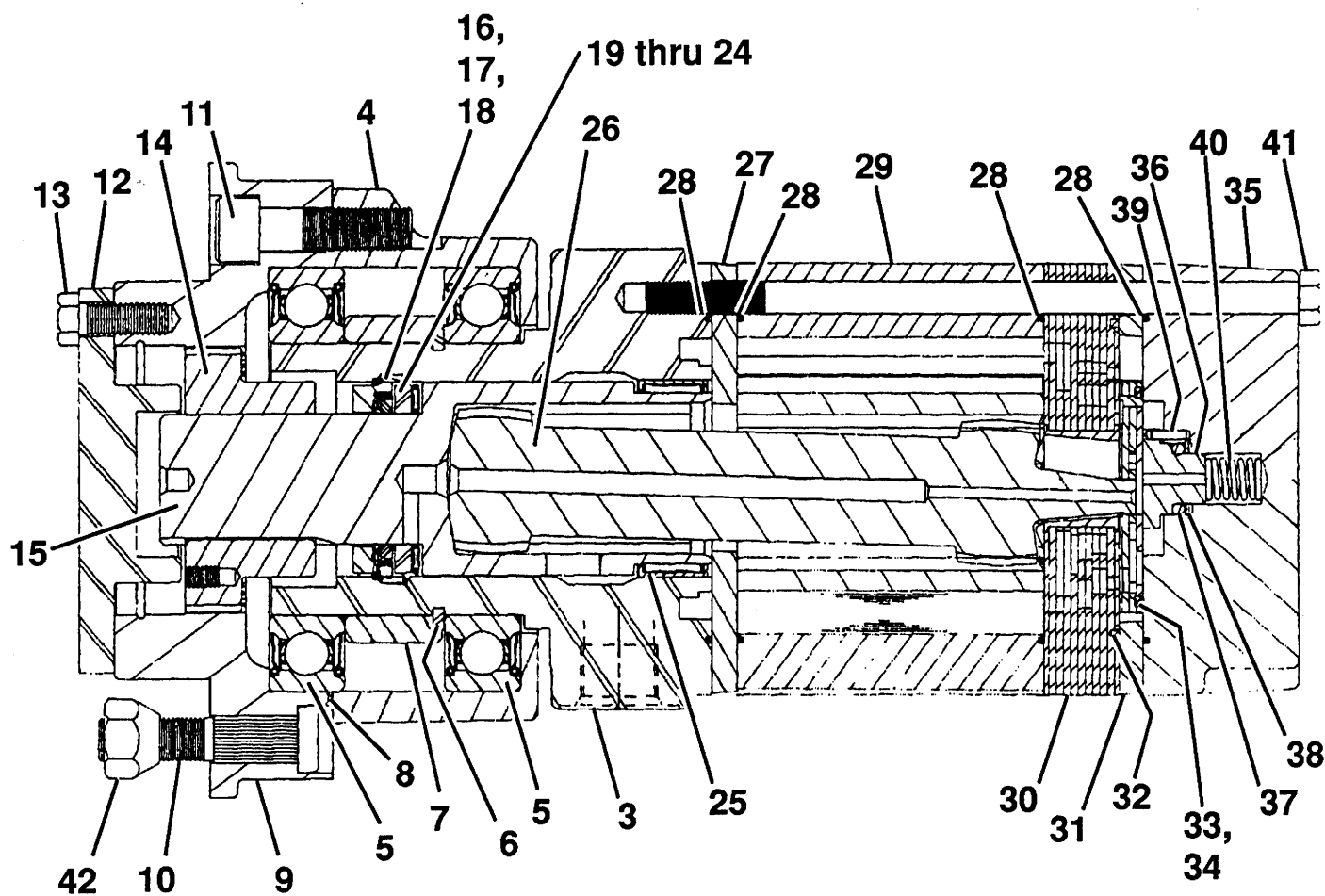
01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-214500		MOTOR ASSEMBLY (Motor I.D. tag reads "DT 4603185 N")	
2	01-214501		SEAL KIT, MOTOR	
			Note: items in kit identified by asterisk (*)	1
3			HOUSING	1
4			CARRIER, INNER BEARING	1
5			BEARING, BALL	2
6			RING, RETAINING	1
7			SPACER	1
8			RING, RETAINING	1
9			HUB, WHEEL (includes studs)	1
10	01-214502		STUD, WHEEL (1/2"-20)	6
11			CAP SCREW, SOCKET HEAD	4
12	• 01-214504		CAP, HUB END (W/ grease fitting. Replaces cap without)	1
13			CAP SCREW, HEX HEAD	6
14			COLLAR, SPLINED	1
15			SHAFT	1
16			"O"-RING	1
17			RING, BACKUP	1
18			RING, SEAL	1
19			BEARING, THRUST	1
20			WASHER, THRUST	1
21			SEAL, SHAFT	1
22			SEAL, BACKUP	1
23			SHIM, BACKUP	1
24			CARRIER, SHAFT SEAL	1
25			BEARING, ROLLER	1
26			LINK, DRIVE	1
27			PLATE, BALANCE	1
28			SEAL, BODY	4
29			ROTOR SET ASSEMBLY	1
30			MANIFOLD	1
31			BOOT, MANIFOLD	1
32			RING	1
33			SEAL, COMMUTATOR	1
34			SHIM, METAL	1
35			COVER, END	1
36			SPACER, COMMUTATOR	1
37			"O"-RING	1
38			RING, BACKUP	1
39			PIN	1
40			SPRING	1
41			BOLT SET (includes 7 bolts)	1
42	01-214503		NUT, LUG (1/2"-20)	6

TITLE WHEEL MOTOR ASSEMBLY (FRONT)

PLATE NO. D03.101	SIMON AERIALS INC.	REV. 03 NOV., 1993	PART NO. 01-214500
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TITLE

WHEEL MOTOR ASSEMBLY (FRONT)

SIMON AERIALS INC.

REV. 03 NOV., 1993

PART
NO.

01-214500

PLATE
NO.

D03.101

PARTS LIST

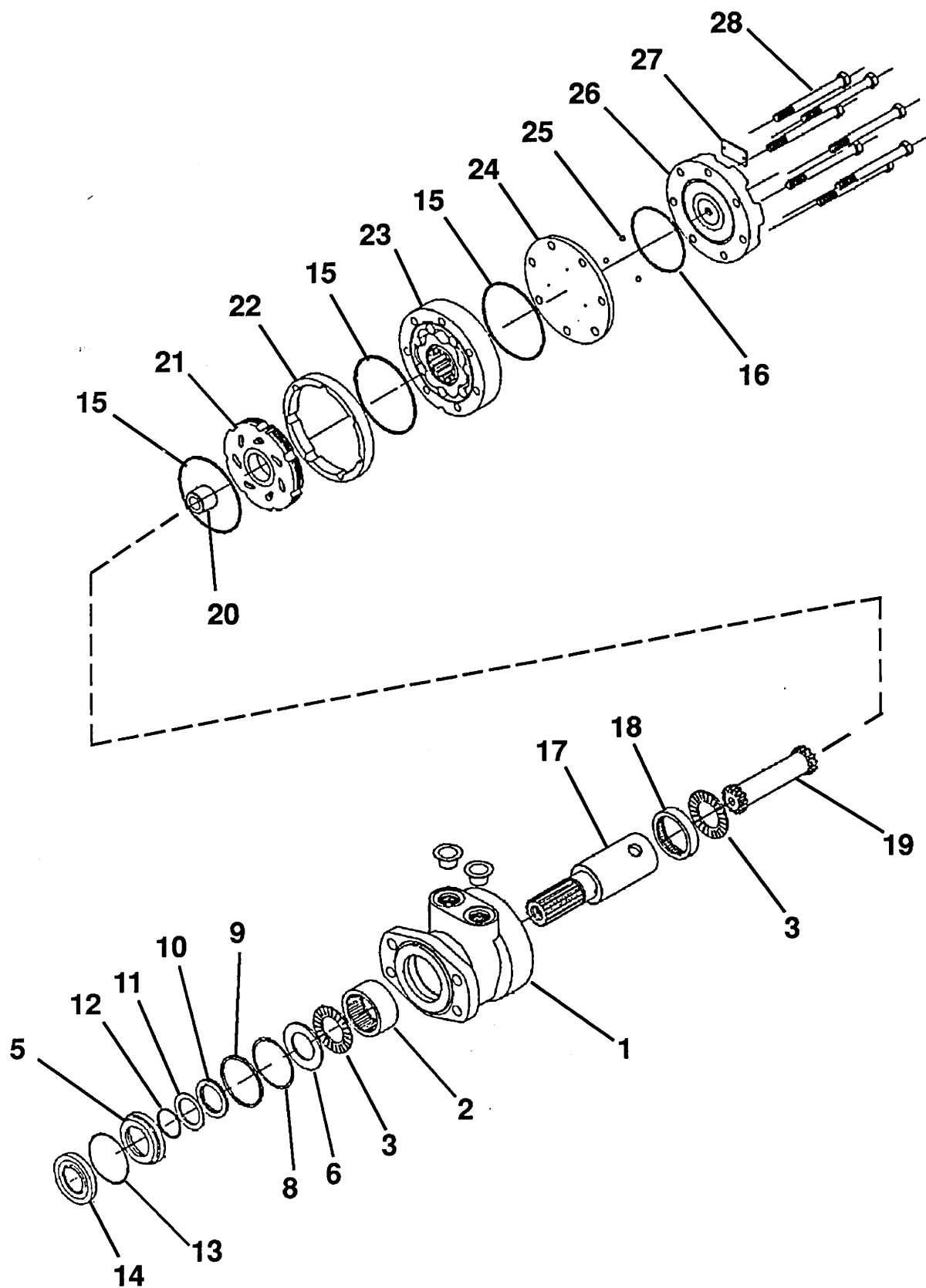
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-217000		MOTOR ASSEMBLY (Motor identification tag reads "RE 14080500")	
1			HOUSING	1
2			BEARING, ROLLER	1
3			BEARING, THRUST	2
4	01-205401		SEAL KIT	1
5			SEAL, CARRIER	1
6			WASHER, THRUST	1
7	01-201601		SEAL KIT	1
8			SEAL, HOUSING (high pressure)	1
9			RING, BACKUP	1
10			SEAL, SHAFT	1
11			SEAL, BACKUP	1
12			SHIM, BACKUP	1
13			RING, SNAP	1
14			SEAL, DUST	1
15			SEAL, BODY	3
16			SEAL, BODY	1
17			SHAFT	1
18			BEARING, ROLLER	1
19			LINK, DRIVE	1
20			SPACER, DRIVE LINK	1
21	01-205418		MANIFOLD	1
22	01-205412		BOOT, MANIFOLD	1
23			ROTOR SET ASSEMBLY	1
24	01-205413		PLATE, BALANCE (includes ball checks)	1
25	01-205414		CHECK, BALL (3/16")	4
26			COVER, END	1
27			PLATE, MOTOR IDENTIFICATION (with screws)	1
28	01-205420		BOLT SET (includes 7 bolts)	1

TITLE WHEEL MOTOR ASSEMBLY (REAR)

PLATE NO. D03.102 **SIMON AERIALS INC.**

NEW 09 FEB., 1993

PART NO. 01-217000



TITLE

WHEEL MOTOR ASSEMBLY (REAR)

SIMON AERIALS INC.

NEW 09 FEB., 1993

PART
NO.

01-217000

PLATE
NO.

D03.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-227800		MOTOR ASSEMBLY (Motor I.D. tag reads "DT 460318-0-T")	
2	01-214501		SEAL KIT, MOTOR	1
3			HOUSING	1
4			CARRIER, INNER BEARING	1
5			BEARING, BALL	2
6			RING, RETAINING	1
7			SPACER	1
8			RING, RETAINING	1
9			HUB, WHEEL (includes studs)	1
10	01-214502		STUD, WHEEL (1/2"-20)	6
11			CAP SCREW, SOCKET HEAD	4
12			CAP, HUB END (with grease fitting)	1
13			CAP SCREW, HEX HEAD	6
14			COLLAR, SPLINED	1
15			SHAFT	1
16			"O"-RING	1
17			RING, BACKUP	1
18			RING, SEAL	1
19			BEARING, THRUST	1
20			WASHER, THRUST	1
21			SEAL, SHAFT	1
22			SEAL, BACKUP	1
23			SHIM, BACKUP	1
24			CARRIER, SHAFT SEAL	1
25			BEARING, ROLLER	1
26			LINK, DRIVE	1
27			PLATE, BALANCE	1
28			SEAL, BODY	4
29			ROTOR SET ASSEMBLY	1
30			MANIFOLD	1
31			BOOT, MANIFOLD	1
32			RING	1
33			SEAL, COMMUTATOR	1
34			SHIM, METAL	1
35			COVER, END	1
36			SPACER, COMMUTATOR	1
37			"O"-RING	1
38			RING, BACKUP	1
39			PIN	1
40			SPRING	1
41			BOLT SET (includes 7 bolts)	1
42	07-099800		NUT, LUG (1/2"-20)	6

TITLE

WHEEL MOTOR ASSEMBLY (FRONT)

PLATE NO.

D03.105

SIMON AERIALS INC.

NEW 17 MAR., 1994

PART NO.

01-227800

**THE ILLUSTRATION FOR
THIS MOTOR IS NOT
AVAILABLE AT THIS TIME.**

TITLE

WHEEL MOTOR ASSEMBLY (FRONT)

SIMON AERIALS INC.

NEW 17 MAR., 1994

**PART
NO.**

01-227800

**PLATE
NO.**

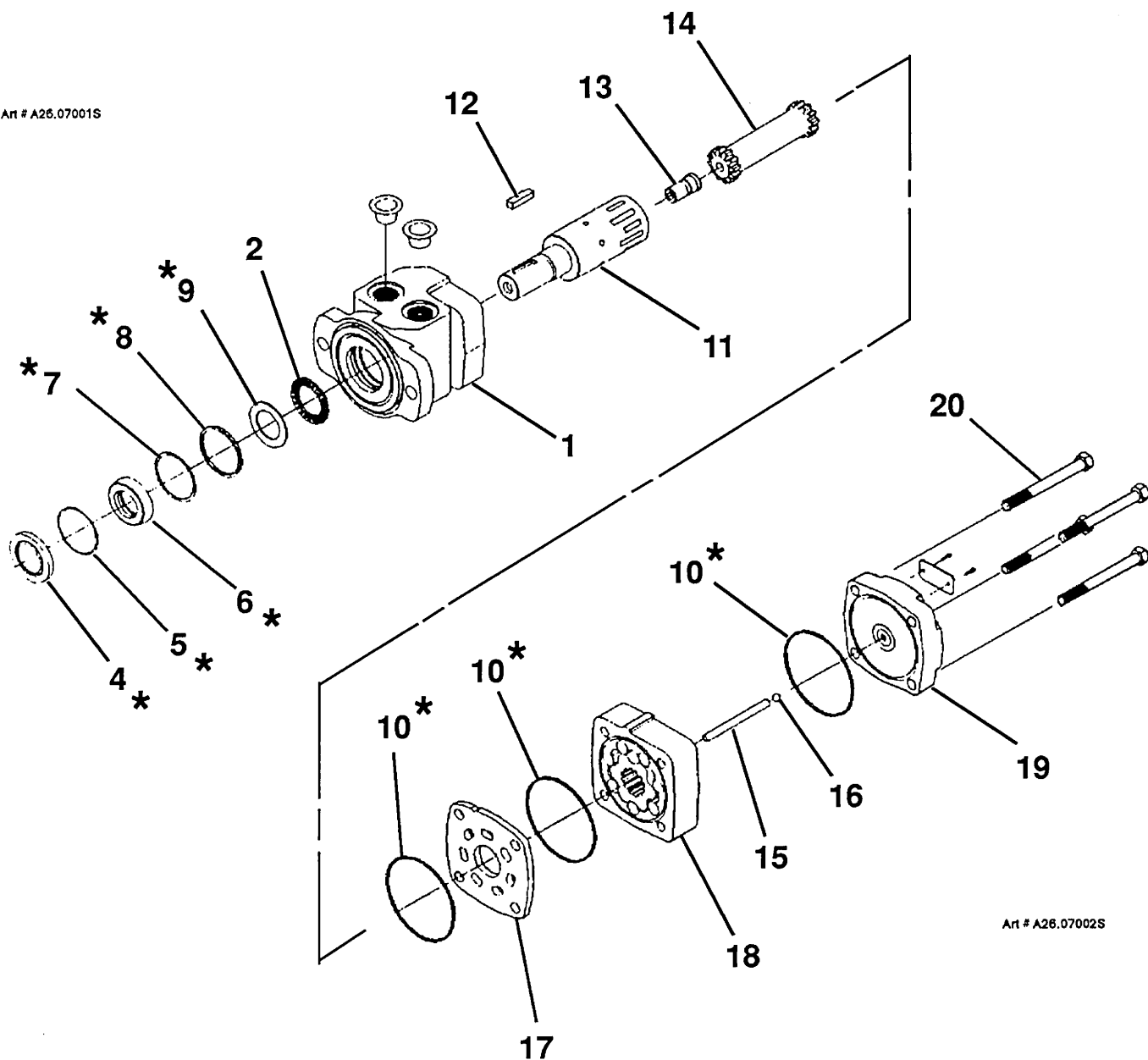
D03.105

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SWING MOTOR, TRAILBLAZER

PART NO. 01-210200

Art # A26.07001S



Art # A26.07002S

TITLE

SWING MOTOR, TRAILBLAZER

SIMON AERIALS INC.

NEW 28 DEC., 1992

PART
NO.

01-210200

PLATE
NO.

D06.101

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
			Note: Items in seal kit are identified by asterisk (*).	
17	*		SEAL, SHAFT	1
18	*		O-RING	2
19	01-027206		RELIEF VALVE ASSEMBLY	1
20			NUT, ACORN	1
21			GASKET, METAL	1
22			NUT, HEX JAM	1
23			SCREW, ADJUSTING	1
24			SPRING	1
25			GUIDE, SPRING	1
26			BALL	1
27			CAP, VALVE	1
28			WASHER, SEALING	1
29			SPRING	1
30			BALL	1

TITLE

EMERGENCY PUMP

PLATE
NO.

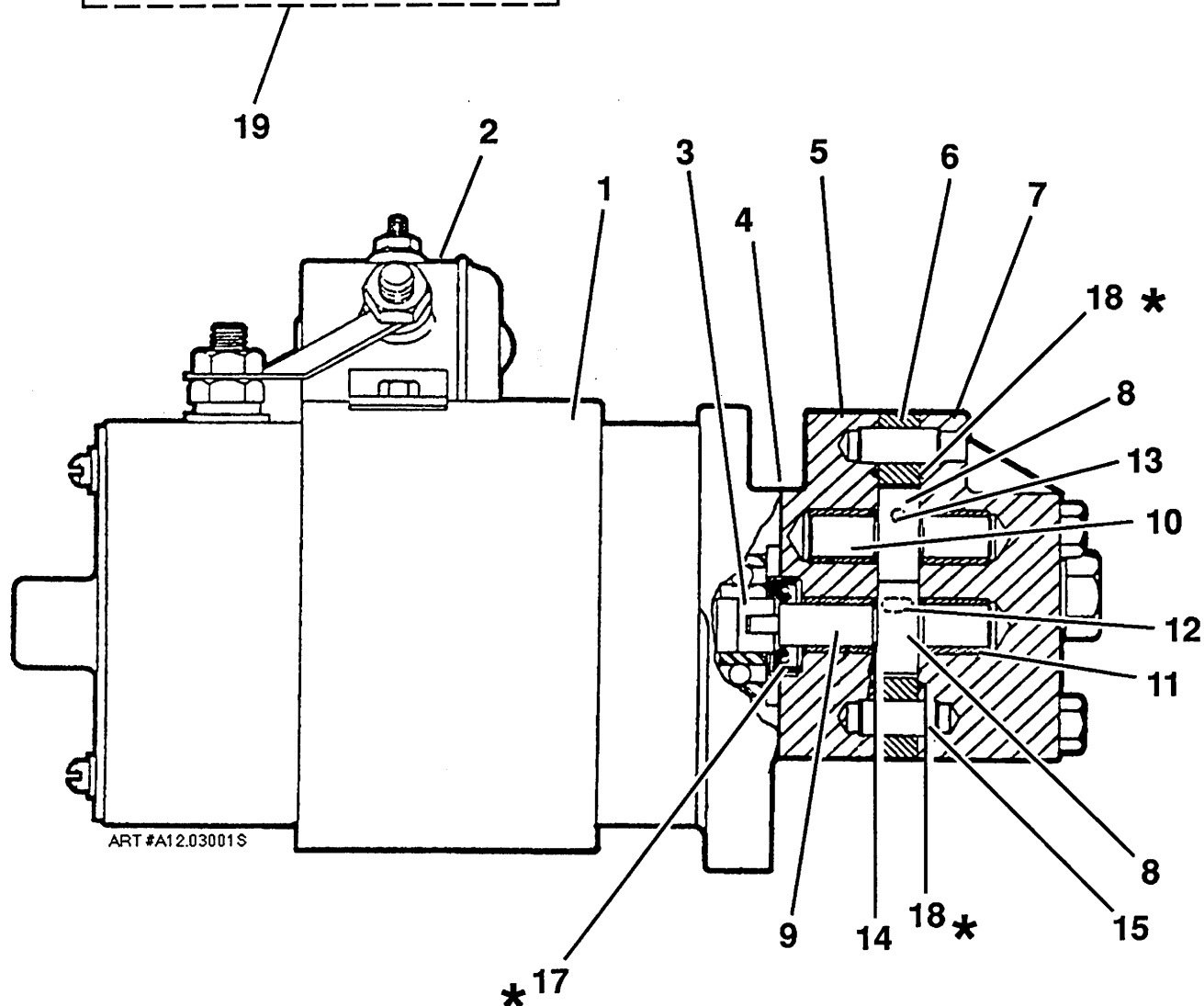
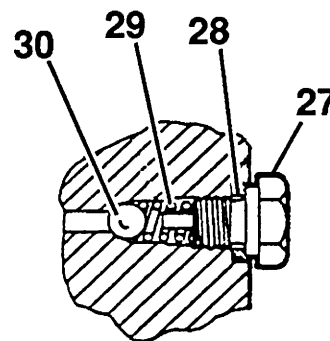
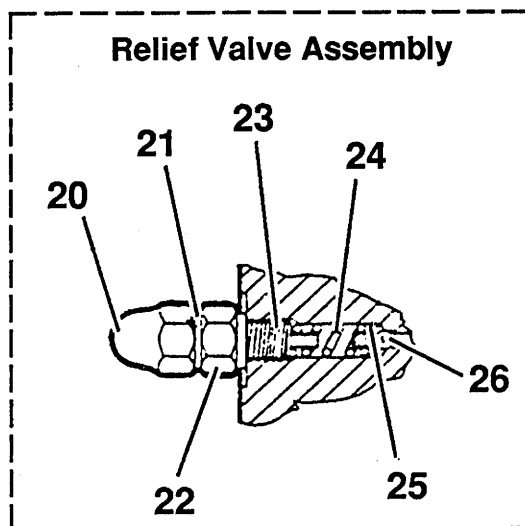
D07.04

SIMON AERIALS INC.

REV. 06 OCT., 1993

PART
NO.

01-027200



TITLE

EMERGENCY PUMP

SIMON AERIALS INC.

REV. 08 OCT., 1993

PART
NO.

01-027200

PLATE
NO.

D07.04

PARTS LIST

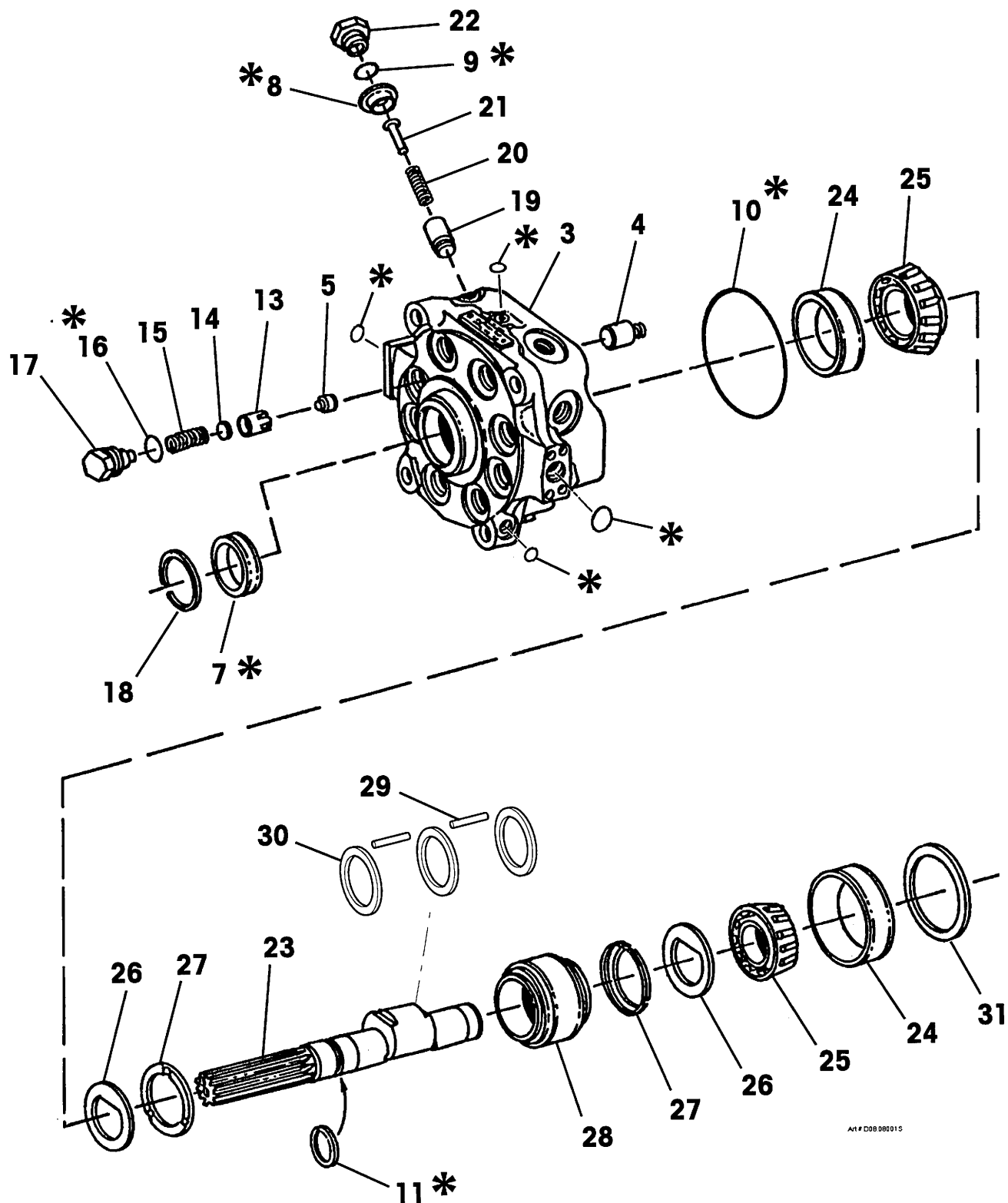
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-206900		PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "*ROPV 312 XXXXX*" and "24 71 R11531")	1
2	01-019500 01-018700		HPR 50 (marked "*ROPV 322 XXXXX*" and "24 72 R11531") HPR 65 (marked "*ROPV 332 XXXXX*" and "24 73 R11531") HOUSING ASSEMBLY, PUMP	1
3			HOUSING, PUMP	1
4	01-019519		VALVE, INLET	8
5	01-019518		SEAT, DISCHARGE VALVE	8
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
7	01-002605	*	SEAL, OIL	1
8		*	SHIELD (plastic)	8
9	01-019512	*	"O"-RING	8
10	01-018704	*	"O"-RING, CENTER HUB	1
11	01-018705	*	RING, SEALING	1
12			VALVE, DISCHARGE	8
13	01-019517		GUIDE, VALVE	1
14	01-018715		DISC, DISCHARGE VALVE	1
15	01-019516		SPRING	1
16	01-019515	*	"O"-RING	1
17			PLUG, DISCHARGE VALVE	1
18	01-019503		RING, SNAP	1
19	01-019514		PISTON	8
20	01-019513		SPRING, PISTON	8
21	01-019520		PIN, COOLING	8
22			PLUG, PISTON	8
23			SHAFT, PUMP	1
	01-019506 01-018708		for Model HPR 40 for Model HPR 50 for Model HPR 65	
24	01-019504		CUP, PUMP SHAFT BEARING	2
25	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2
26	01-018710		SPACER	2
27	01-019510		WASHER, THRUST	2
28	01-019508		RACE, BEARING	1
29	01-019507		ROLLER, NEEDLE	50
30	01-019521		SPACER, NEEDLE ROLLER	3
31	01-019509		SHIM (0.15 mm) SHIM (0.25 mm)	A.R. A.R.

TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION **D08.** | PLATE NO. **13** | PAGE **01** | REV. **A** | DATED 08 OCT., 1996 | PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
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24 Hr (Machine) 414-362-8280
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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

01

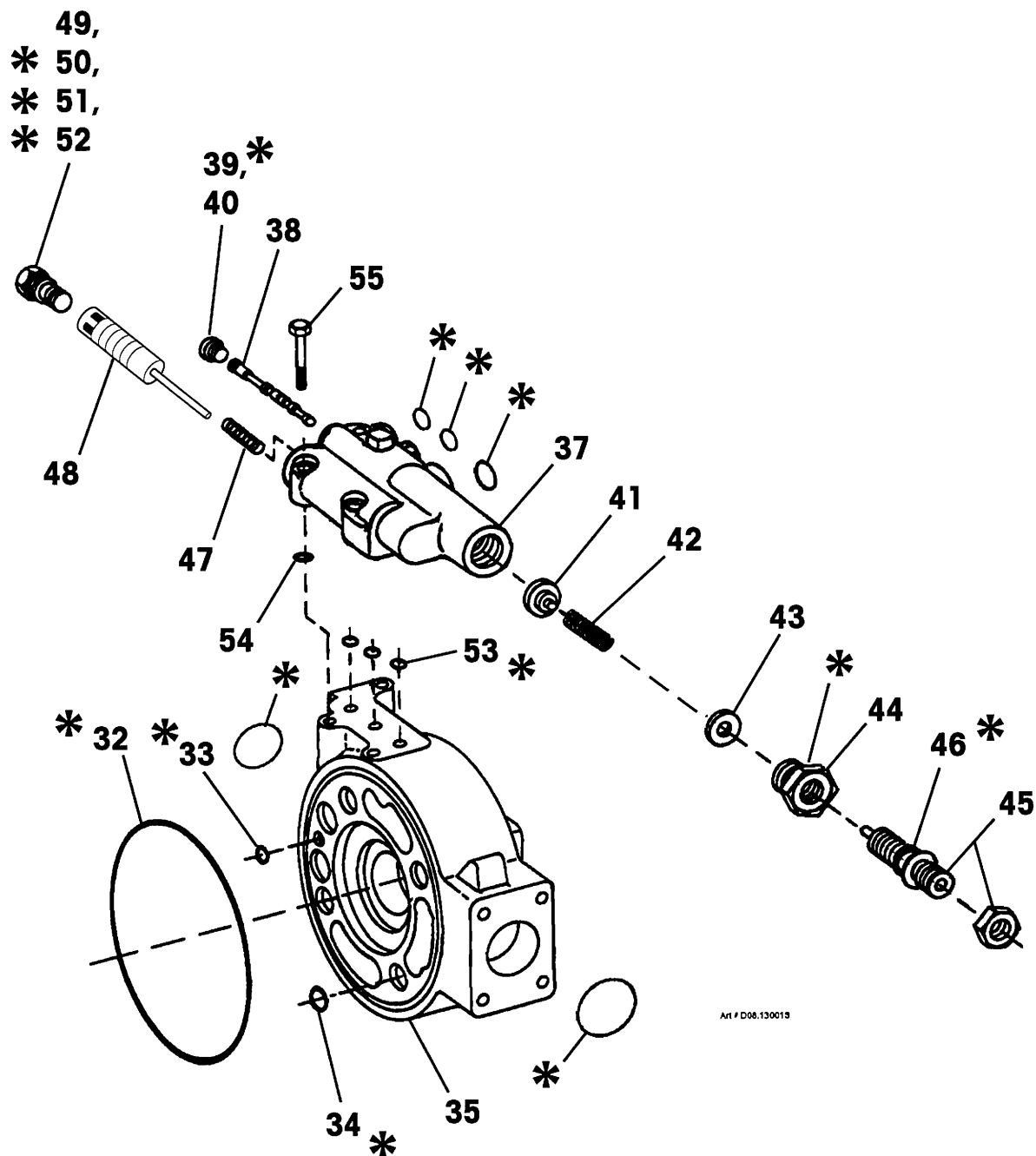
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1
32	01-018711	*	PACKING, INLET HOUSING TO PUMP HOUSING	1
33		*	PACKING, HIGH PRESSURE PASSAGE	1
34		*	PACKING, BOLT PASSAGE	4
35			HOUSING, PUMP INLET	1
36	01-019502		VALVE ASSEMBLY, CONTROL	1
37			HOUSING, PRESSURE COMPENSATOR	1
38			VALVE, PRESSURE COMPENSATOR CONTROL	1
39		*	"O"-RING	1
40			PLUG, PRESSURE COMPENSATOR	1
41			GUIDE, SPRING	1
42			SPRING, PRESSURE COMPENSATOR	1
43		*	WASHER	1
44			PLUG, ADJUSTING	1
45			SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING	1
46		*	"O"-RING	1
47			SPRING, CRANKCASE RELIEF VALVE	1
48			VALVE, EXTERNAL CONTROL	1
49			PLUG, DESTROKE	1
50		*	"O"-RING	1
51		*	"O"-RING	1
52		*	PLUG	1
53		*	PACKING, PRESSURE	3
54		*	SHIM, PRESSURE COMPENSATOR HOUSING	A.R.
55			CAP SCREW, HEX HEAD	3

TITLE **HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)**

SECTION **D08.** PLATE NO. **13** PAGE **02** REV. **A** DATED **08 OCT., 1996** PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Art # D08.130013

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172

TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

02

PARTS LIST

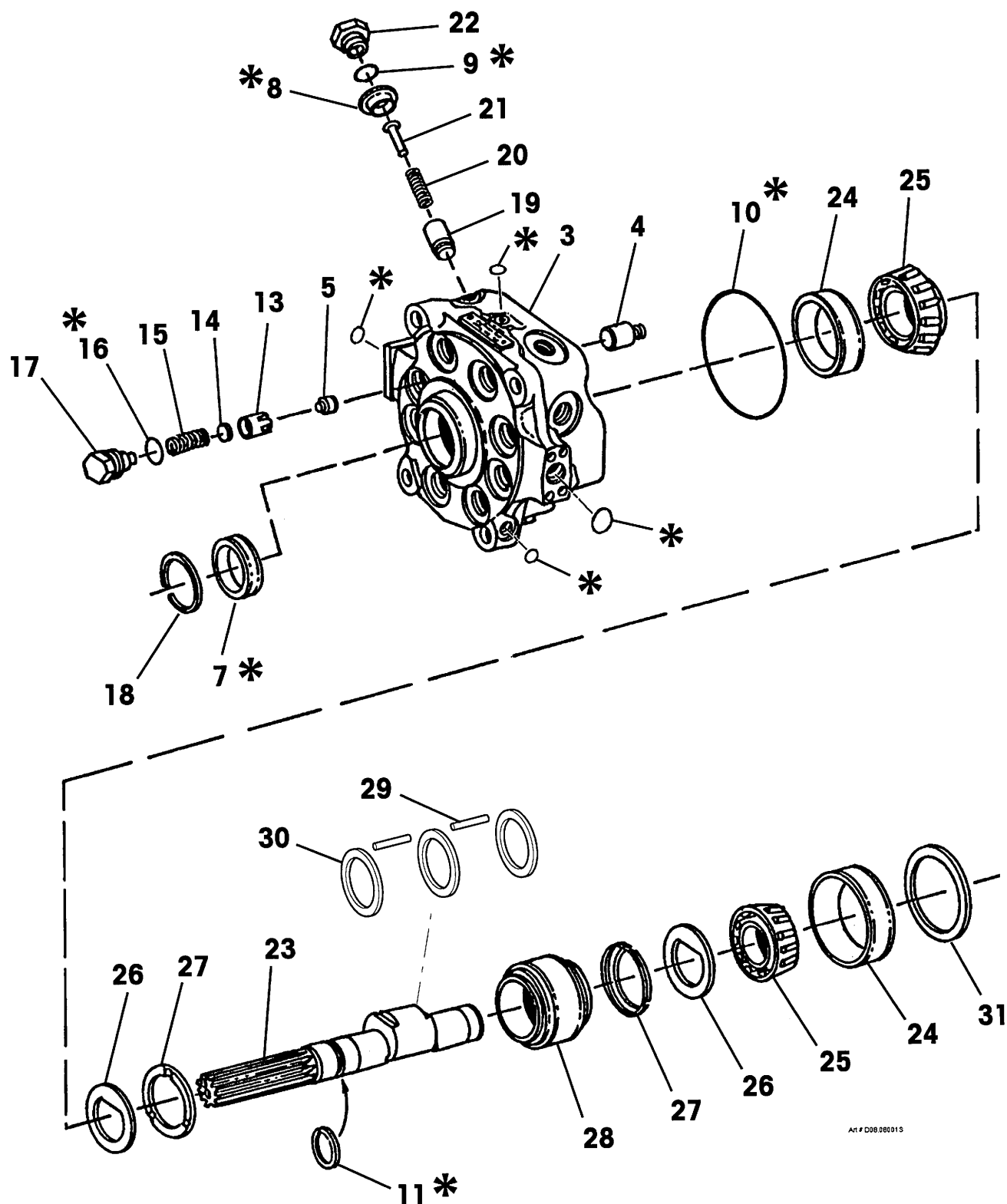
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Hydraulic Pump:	
			Suction Fittings:	
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose (32 C4-32 FL90) 90°, 2" SAE flange to 2" hose (23867-32-32 FC) (Obsolete. Use 06-216100 and 06-214400.)	1
	06-214300		90°, 2" stem to 1-1/2" hose (24-32 FL90)	
	06-195700		90°, 2" SAE flange to 1-1/2" hose (23867-24-32 FC) (Obsolete. Use 06-214300 and 06-214400.)	
	06-216200 06-195600		45°, 2" stem to 1-1/2" hose (24-32 FL45) 45°, 2" SAE flange to 1-1/2" hose (23868-24-32 FC) (Obsolete. Use 06-216200 and 06-214400.)	
			Pressure Fittings:	
58	06-213800		FLANGE KIT, PRESSURE FITTING (16 CFHS-87989) (includes two halves and mounting hardware)	1
59			ADAPTER, STEM	1
60	06-213900 06-215700 06-202100		(16 FL5K-12MJ90) (16 FL5K-16MJ90) FITTING, COMPANION FLANGE (L1-16-16S-30) (Obsolete. Use 06-213800 and 06-213900.)	
61	06-195800 06-215800		FITTING KIT, FLANGE (SAE #16, 4 bolt) (5151 HK-16) (Obsolete.) 45° ELBOW, "O"-RING TO 37° (10 V50X-S)	1

TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION **D08.** | PLATE NO. **13** | PAGE **03** | REV. **A** | DATED 08 OCT., 1996 | PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-800-47-SIMON
24 Hr (Machine) 414-362-8280
Fax 414-355-3172



Art # D08 080915

Simon Aerials Inc.
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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

13

PAGE

03

PARTS LIST

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TITLE

HYDRAULIC PUMP ASSEMBLY

SECTION

D08!

PLATE NO.

15

PAGE

01

REV.

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DATED

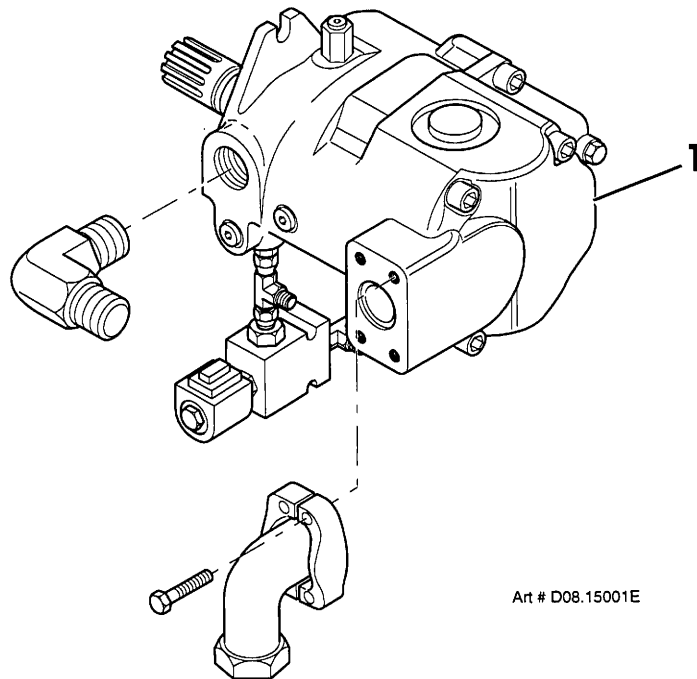
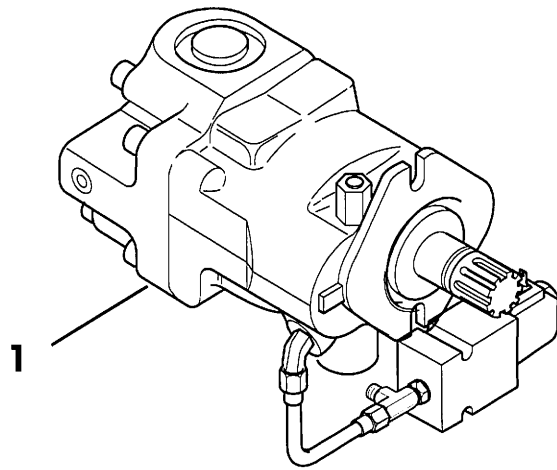
24 JAN., 1996

PART

NO.



Simon Aerials Inc.
10600 West Brown Deer Road
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Art # D08.15001E



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TITLE

HYDRAULIC PUMP ASSEMBLY

PART
NO.

REV.
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DATED
24 JAN., 1996

SECTION

D08.

PLATE NO.

15

PAGE

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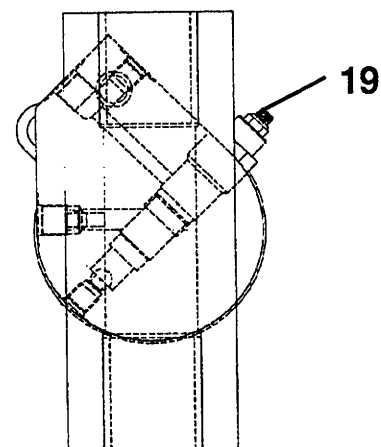
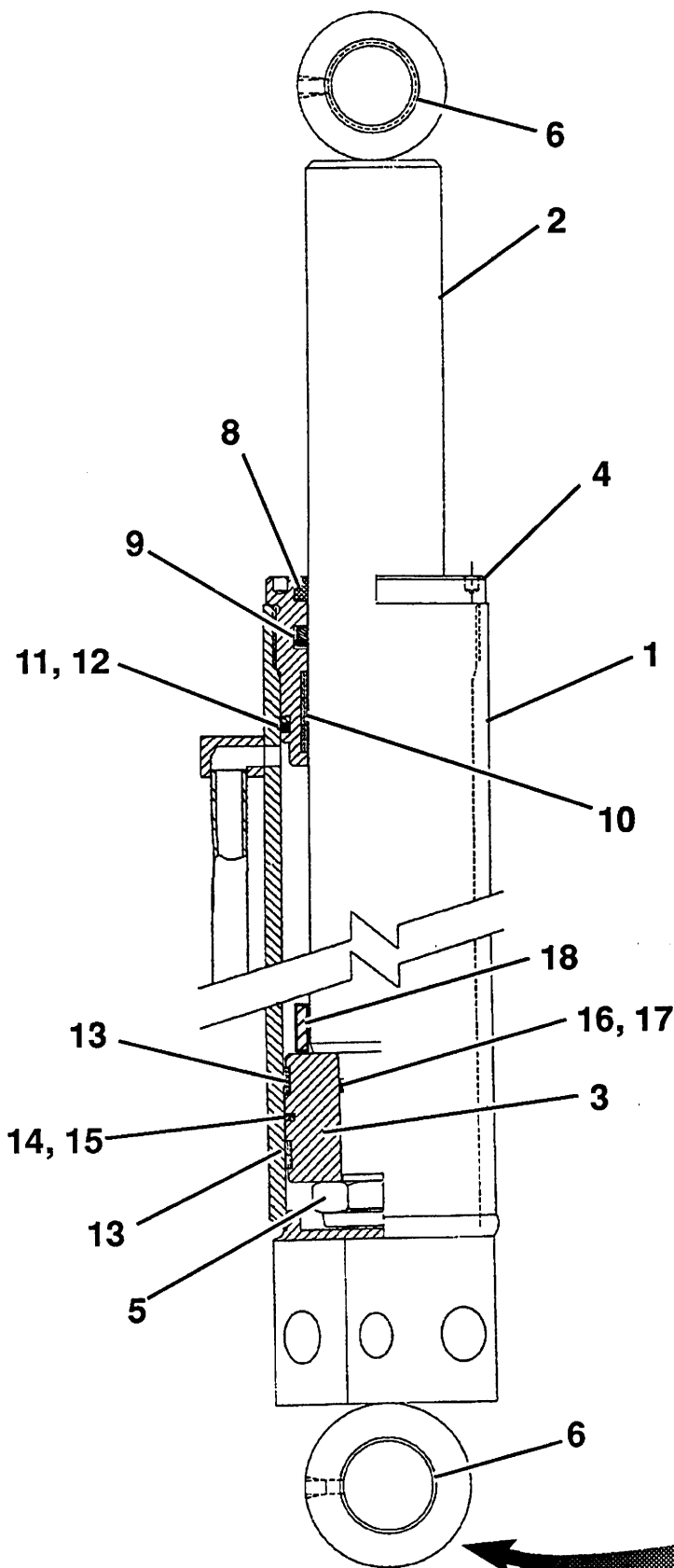
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	04-035000		Cylinder can be identified by the numbers "424002B" and "04035000SH" stamped on a plate on the cylinder case, opposite the tube.	
	04-038700		Cylinder can be identified by the numbers "429472" and either "04035000SH" or "04038700SH" stamped on a plate on the cylinder case, opposite the tube.	
1			CASE WELDMENT, CYLINDER (for Cylinder 04-035000)	1
			CASE WELDMENT, CYLINDER (for Cylinder 04-038700)	1
2			ROD WELDMENT, CYLINDER	1
3			PISTON (for Cylinder 04-035000)	1
			PISTON (for Cylinder 04-038700)	1
4			GLAND, HEAD	1
5	04-032902		NUT, LOCK	1
6	04-035002		BUSHING	4
7	04-035001		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	3
11			"O"-RING	1
12			RING, BACKUP	1
13			RING, PISTON WEAR	2
14			"O"-RING	1
15			SEAL, PISTON	1
16			"O"-RING	1
17			WASHER, BACKUP	1
18			SPACER (for Cylinder 04-038700)	1
19	04-035003		VALVE, COUNTERBALANCE [Valve is stamped "CBCA-LHN", and is pre-set at 3,950 PSI (272.4 Bar) (277.7 Kg/ cm ²)	1
TITLE LIFT CYLINDER, 44-3/4" (1.14 M) STROKE				
PLATE NO. D09.101		SIMON AERIALS INC.		PART NO. 04-035000
REV. 15 OCT., 1993				

TITLE LIFT CYLINDER, 44-3/4" (1.14 M) STROKE

PLATE NO.	D09.101	SIMON AERIALS INC.
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REV. 15 OCT., 1993

PART NO. 04-035000



View of Base End
of Cylinder

TITLE LIFT CYLINDER, 44-3/4" (1.14 M) STROKE

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART NO. 04-035000

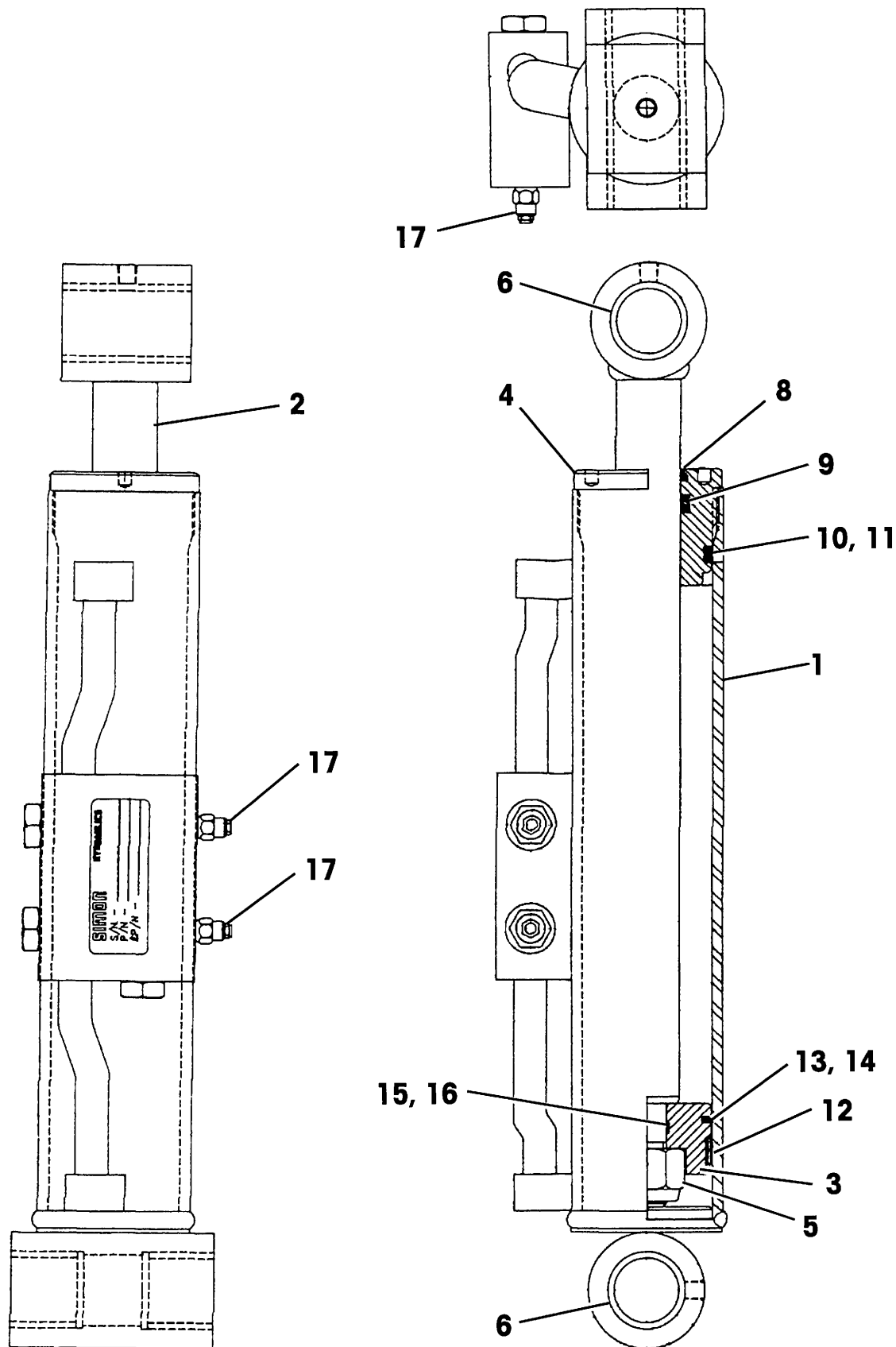
PLATE NO. D09.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032600SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4	04-032604		GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17	04-028202		CARTRIDGE, HOLDING VALVE	2
18	04-028204		SEAL KIT, HOLDING VALVE	1

TITLE MASTER LEVEL CYLINDER, 10" (.25 M) STROKE				
SECTION	D10.	PLATE NO. 101	PAGE 01	REV. - DATED 03 DEC., 1992 PART NO. 04-032 600

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TITLE

MASTER LEVEL CYLINDER, 10" (.25 M) STROKE

PART NO. 04-032 600

REV. -

DATED 03 DEC., 1992

SECTION D10.

PLATE NO. 101

PAGE 01

PARTS LIST

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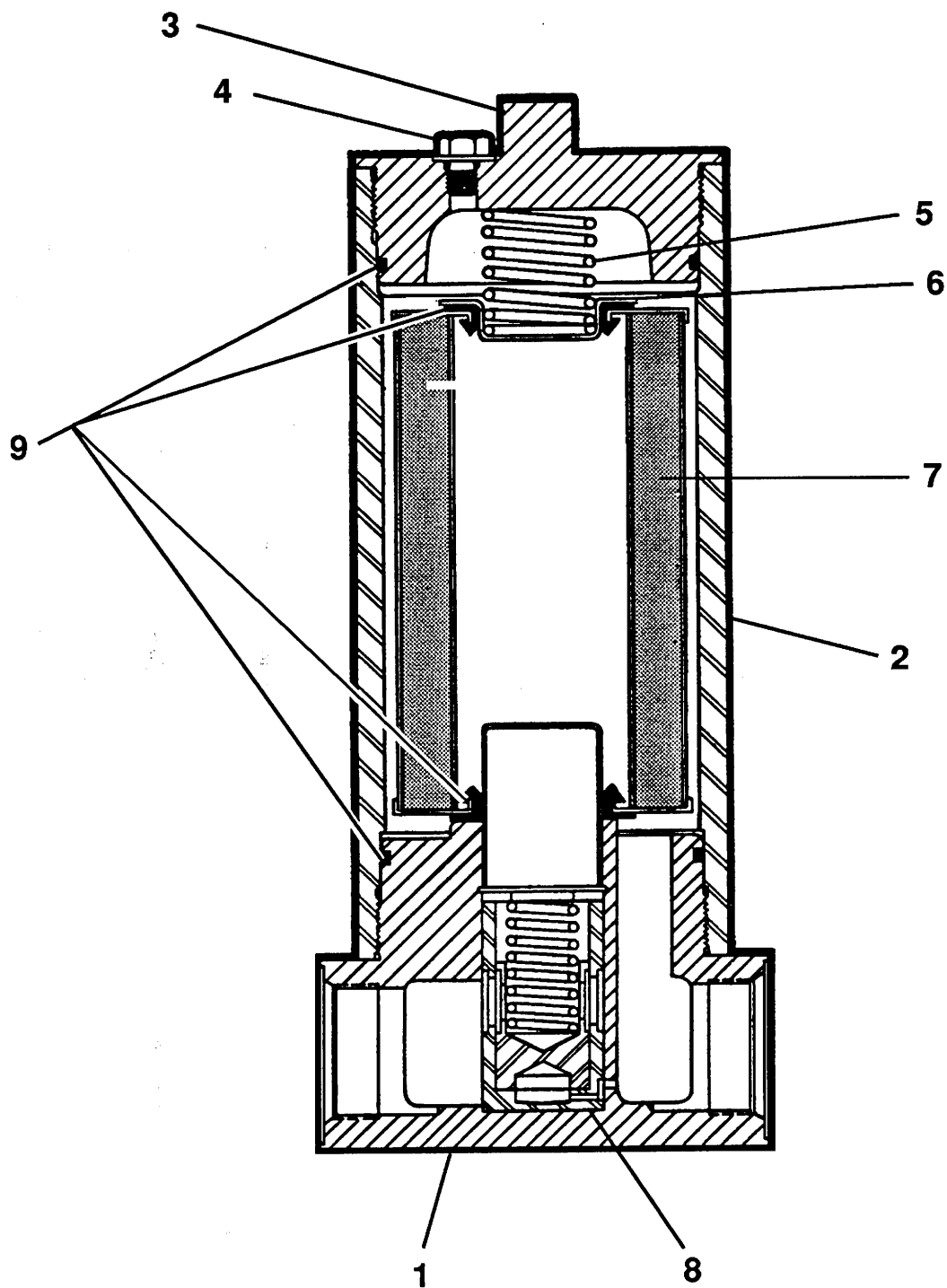
HIGH PRESSURE FILTER

D11.03

SIMON AERIALS INC.

PART
NO.

01-014000



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

01-014000

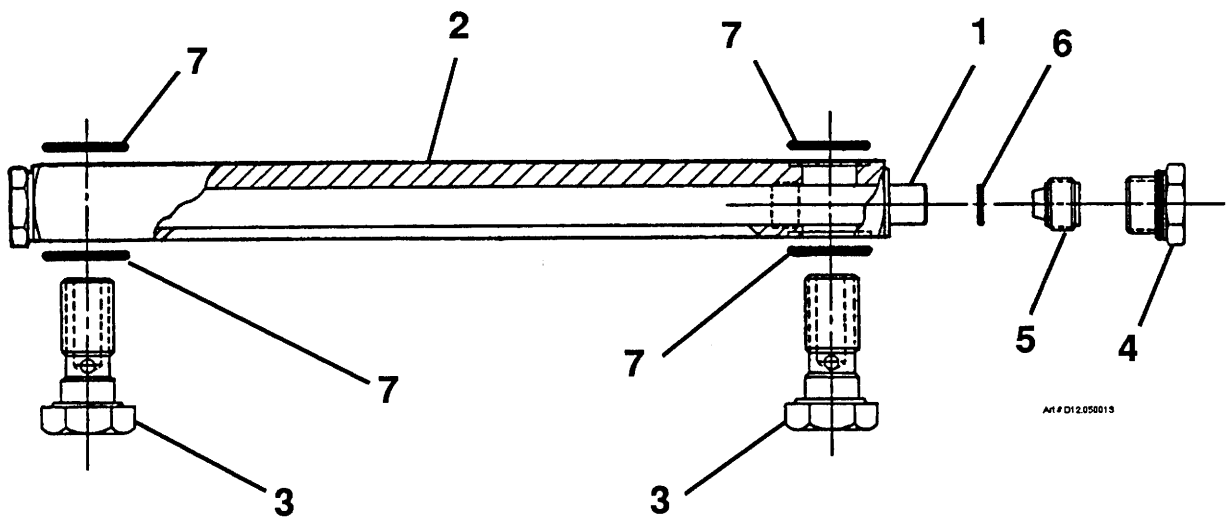
PLATE
NO.

D11.03

[illegible]

SIGHT GAUGE, 14"

PART NO. 10-033800



TITLE

SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

10-033800

PLATE
NO.

D12.05

PARTS LIST

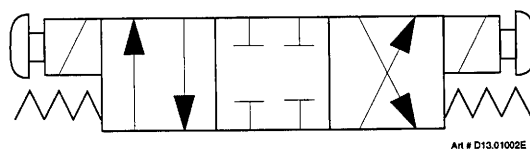
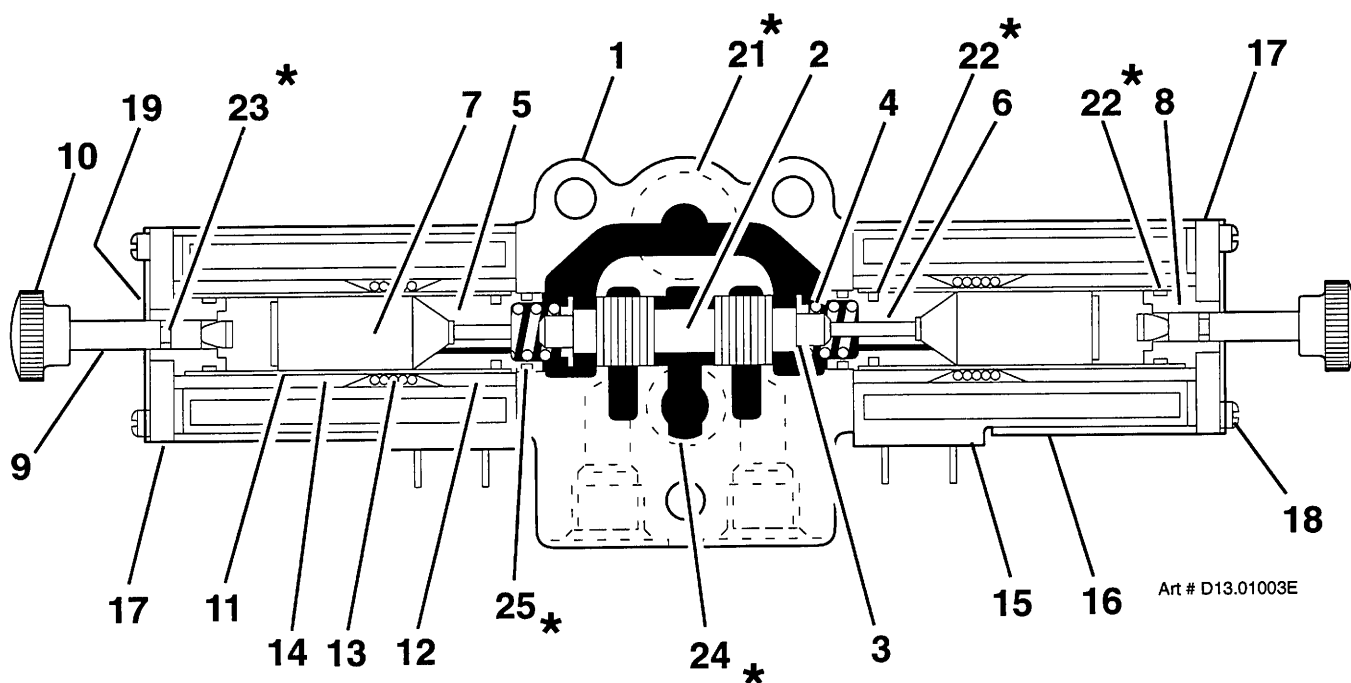
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031707		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		KNOB	2
11	01-031718		TUBE, GUIDE	2
12	01-031717		SLEEVE, FLUX (Inner)	2
13	01-031715		SPRING	2
14	01-031716		SLEEVE, FLUX (Outer)	2
15	01-031701		COIL (12 Volt DC)	2
	01-031802		COIL (24 Volt DC)	2
16	01-031713		CASE, SOLENOID	2
17			PLATE, END	2
18	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	8
19			NAMEPLATE	1
20	01-031712		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
21	01-031703		RING, QUAD (1-1/16" O.D.)	1
22	01-031710		O-RING	4
23	01-031709		O-RING	2
24	01-031702		RING, QUAD (3/4" O.D.)	1
25	01-031711		O-RING	2

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

PLATE NO. D13.01 **SIMON AERIALS INC.**

REV. 20 SEP., 1995

PART NO. 01-031700



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

SIMON AERIALS INC.

REV. 20 SEP., 1995

PART NO. 01-031700

PLATE NO. D13.01

PARTS LIST

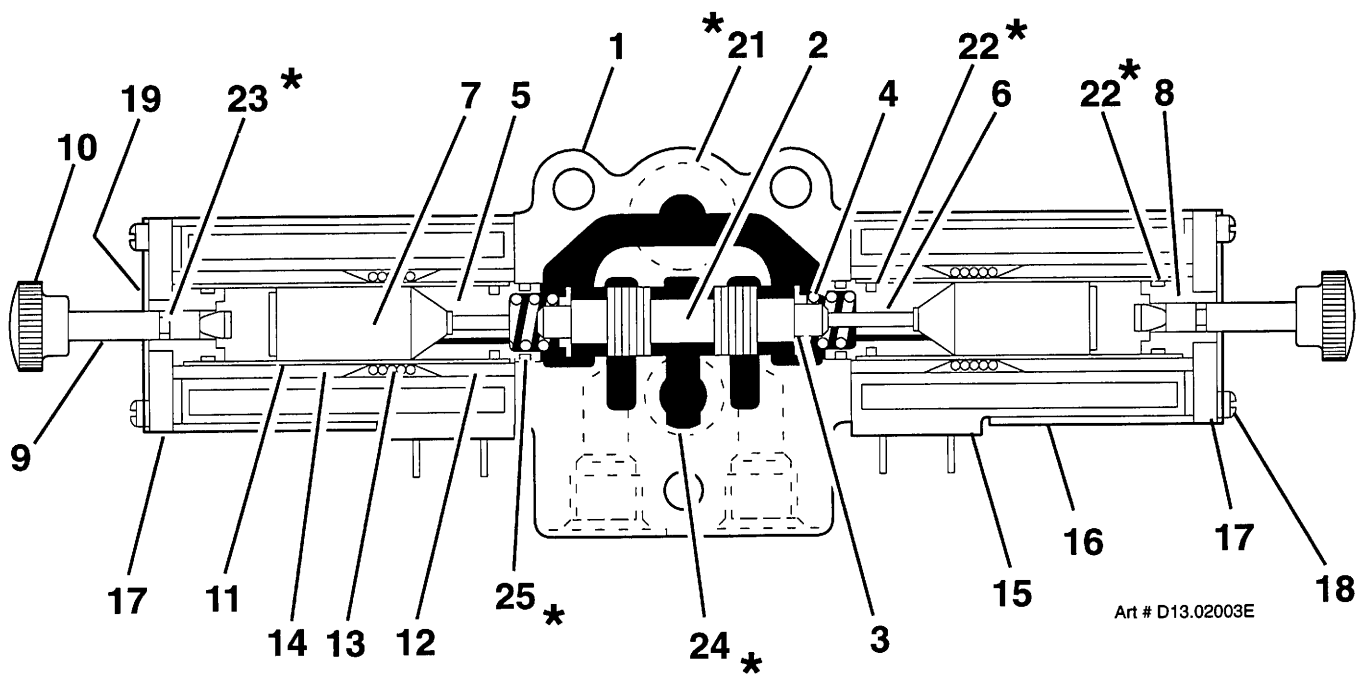
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031801		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		KNOB	2
11	01-031718		TUBE, GUIDE	2
12	01-031717		SLEEVE, FLUX (Inner)	2
13	01-031715		SPRING	2
14	01-031716		SLEEVE, FLUX (Outer)	2
15	01-031701		COIL (12 Volt DC)	2
	01-031802		COIL (24 Volt DC)	2
16	01-031713		CASE, SOLENOID	2
17			PLATE, END	2
18	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	8
19			NAMEPLATE	1
20	01-031712		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
21	01-031703		RING, QUAD (1-1/16" O.D.)	1
22	01-031710		O-RING	4
23	01-031709		O-RING	2
24	01-031702		RING, QUAD (3/4" O.D.)	1
25	01-031711		O-RING	2

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

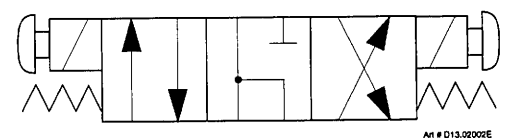
PLATE NO. D13.02 **SIMON AERIALS INC.**

REV. 20 SEP., 1995

PART NO. 01-031800



Art # D13.02003E



Art # D13.02002E

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

SIMON AERIALS INC.	REV. 20 SEP., 1995	PART NO. 01-031800	PLATE NO. D13.02
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PARTS LIST

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TITLE

4-WAY, 2 POSITION SOLENOID VALVE

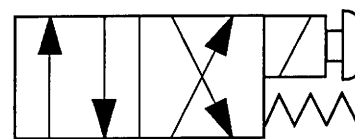
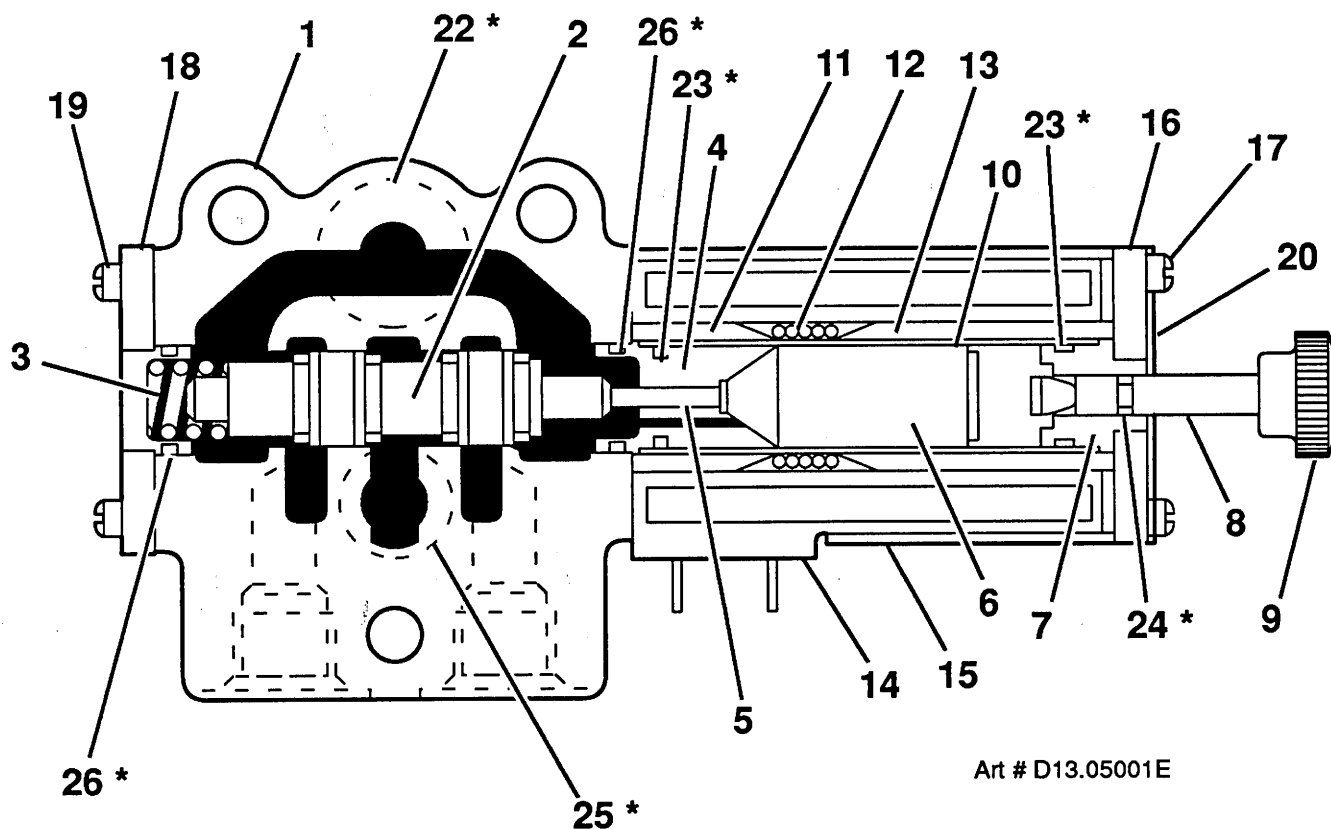
PLATE NO. D13.05

SIMON AERIALS INC.

REV. 06/24/91

PART NO. 01-061900

PART NO. 01-061900



TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

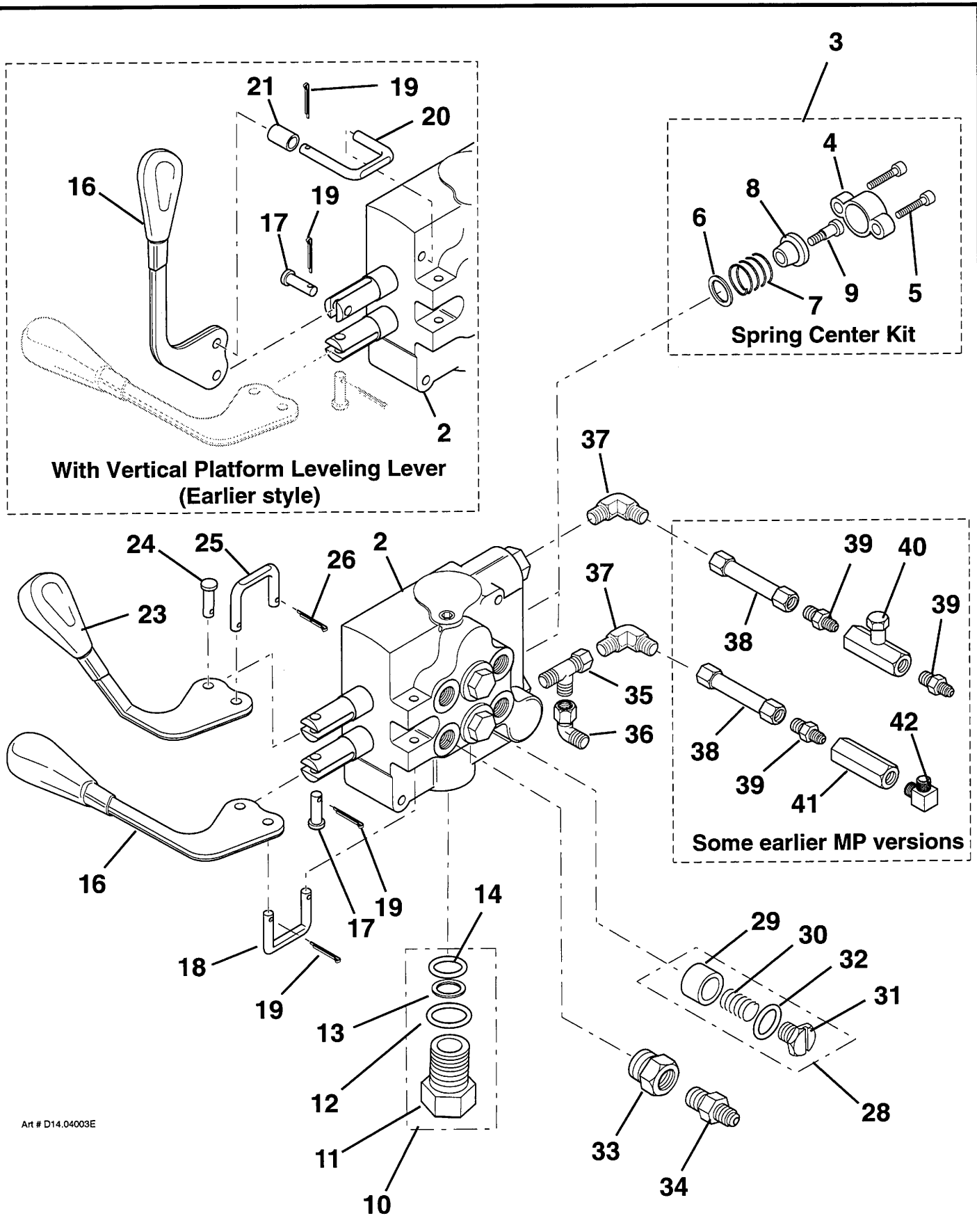
PART
NO.

01-061900

PLATE
NO.

D13.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL for MP Series except MP 110	1
	352 4590		for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40: Early style (Platform leveling lever is mounted vertically)	
	353 1480		Later style (Platform leveling lever is bent 45° upward)	
	353 3920		for Trailblazer 60	
			VALVE, PLATFORM ROTATE AND LEVEL (Modified two spool valve 01-207100)	1
	218 1260		Early style (Platform leveling lever mounted vertically)	
	230 0610		Later style (Platform leveling lever is bent 45° upward)	
			SPOOL AND BODY ASSEMBLY	
			SPRING CENTER KIT	2
			CAP, END	1
			SCREW (with lock washer)	2
			WASHER	1
			SPRING, RETURN	1
			SPACER	1
			BOLT, SHOULDER	1
			BUSHING KIT, POWER BEYOND	1
			BUSHING, POWER BEYOND	1
			"O"-RING	1
			RING, BACKUP	1
			"O"-RING	1
			HANDLE KIT (Straight handle)	A.R.
			HANDLE	1
			PIN, CLEVIS	1
			"C"-HOOK	1
			PIN, COTTER	3
		PIN, PIVOT (For earlier style platform leveling lever. Replaces "C"-hook in handle kit above.)	1	
		SPACER, VALVE PIVOT PIN (For earlier style vertical platform leveling lever)	1	
		HANDLE KIT (45° angled handle, for later style platform leveling lever.)	1	
		HANDLE	1	
		PIN, CLEVIS	1	
		"C"-HOOK	1	
		PIN, COTTER	3	
TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO. D14.04		SIMON AERIALS INC.		PART NO.
REV. 29 NOV., 1995				



TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 29 NOV., 1995

PART
NO.

PLATE
NO. D14.04

PARTS LIST

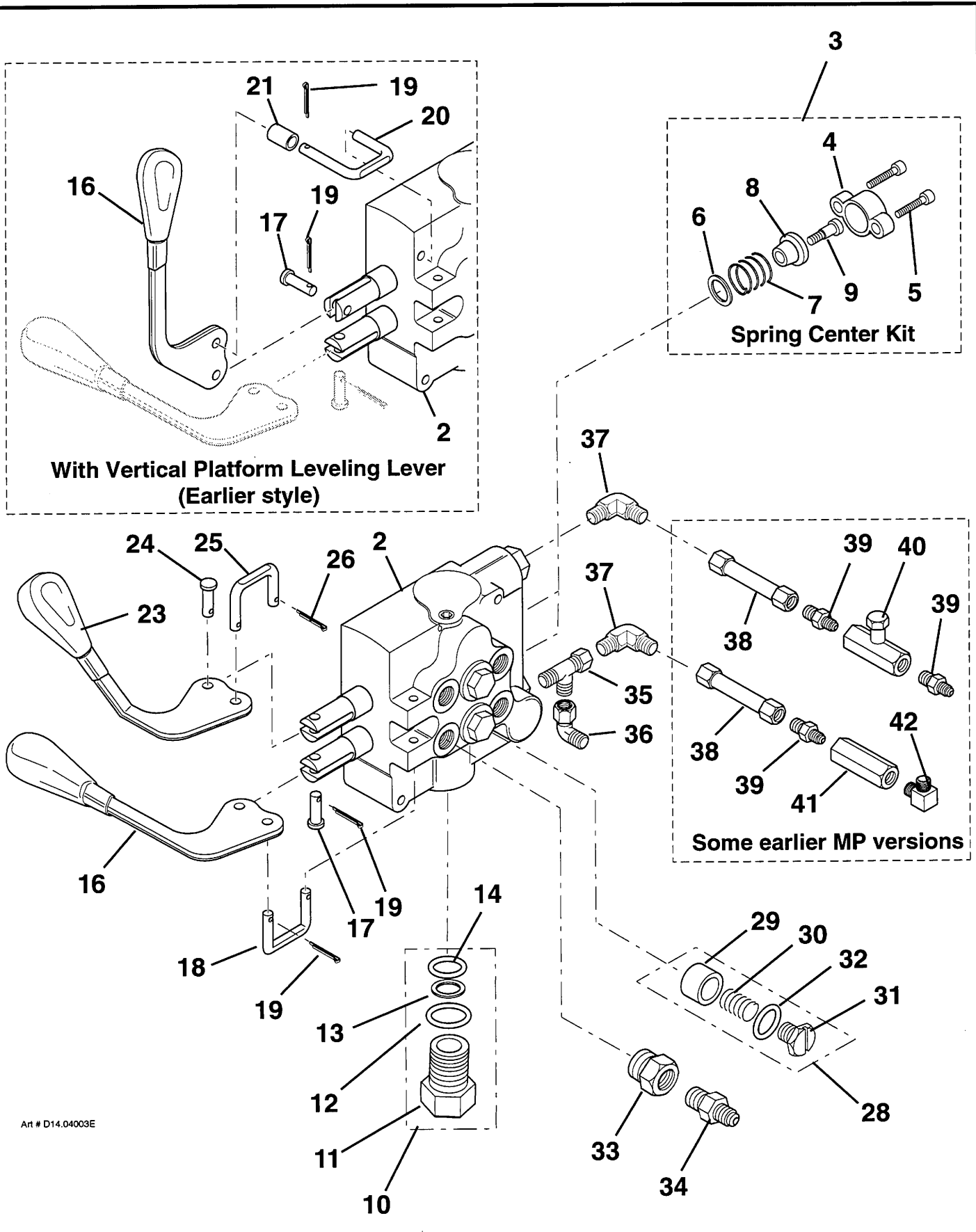
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED (either of these may be fitted)	4
	218 9010		Modified 4-6 F5OX-S (Optional. Item 34 is not required.)	
	219 0800		Modified 4 F5OX-S (Optional. Item 34 is also required.)	
34	06-090300		REDUCER/ EXPANDER (6-4 F5OG5-S) (required with connector 219 0800 , Item 33 above)	4
35	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (for Assembly 353 3920 [Trailblazer 60] only)	1
36	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S) (for Assembly 353 3920 [Trailblazer 60] only)	1
37	06-044600		90° ELBOW, STRAIGHT THREAD (6 C5OX-S)	2
			Items 38 through 42 were used in some earlier MP Series applications:	
38	350 7867		TUBE ASSEMBLY	2
39	06-039800		CONNECTOR, STRAIGHT THREAD (6 F5OX-S)	3
40	01-018900		VALVE, FLOW CONTROL (#6 SAE ports)	1
41	01-020800		VALVE, POPPET CHECK (3 PSI)	1
42	06-044400		ELBOW, STRAIGHT THREAD (4-6 C5OX-S)	1
			Items 43 through 45 are used for mounting the valve assembly <i>in most applications</i> :	
43	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
44	07-062014		WASHER, FLAT (1/4")	4
45	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2

TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 2 OF 2)

PLATE NO. **D14.04** **SIMON AERIALS INC.**

REV. 29 NOV., 1995

PART
NO.



TITLE PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 29 NOV., 1995

PART
NO.

PLATE
NO. D14.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-072400		VALVE ASSEMBLY, DRIVE CONTROL (First type shown)	1
	01-201400		First type (Not for use with Water Glycol hydraulic fluid)	
	353 5630		First type (Can be used with Water Glycol hydraulic fluid)	
	353 5640		Second type (Single cam [Item 21] has three detents)	
			Second type (Single cam [Item 21] has one detent)	
1	---		VALVE, FLOW CONTROL (1 tooth)	1
	01-230800		For " first type " assembly (Valve is not available separately)	
			For " second type " assembly	
2	231 5530		BODY, FLOW CONTROL VALVE	1
3	231 5540		SPOOL, FLOW CONTROL VALVE	1
4	01-000901		SEAL KIT, FLOW CONTROL VALVE	1
5	01-000902		"O"-RING (12 mm)	1
6	01-000904		RING, BACKUP (12 mm)	1
7	01-000903		"O"-RING (10 mm)	1
8	01-000905		RING, BACKUP (10 mm)	1
9	231 5560		SPRING	1
10	231 5550		BUSHING, SPRING RETAINER	2
11	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
12	231 5520		CAP, VALVE BODY	1
13	07-008354		CAP SCREW, HEX SOCKET HEAD	
			(#10-24 x 1-1/4", Grade 8)	2
14	212 1810		ARM, ROCKER	1
			used with " first type " valve	
15	232 3270	shown	used with " second type " valve	
	07-023059		SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5)	
			(used with " second type " valve)	1
16	08-010200		LINK KIT, CONNECTING	1
17	212 1780		BRACKET, VALVE (right) (single switch side)	1
18	212 1790		BRACKET, VALVE (left) (double switch side)	1
19	212 1800		BUSHING, FLANGED	2
20	212 1740		SHAFT, CAM	1
21			CAM, SWITCH (single)	1
	212 1760		Cam has three detents (for all except 353 5640)	1
	232 3420	shown	Cam has one detent (for 353 5640)	1
22	212 1770		CAM, SWITCH (double)	1
23	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	2
24	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	2
25	07-062015		WASHER, FLAT (5/16")	2
26	07-050015		NUT, STOP (5/16"-18, Grade 5)	2

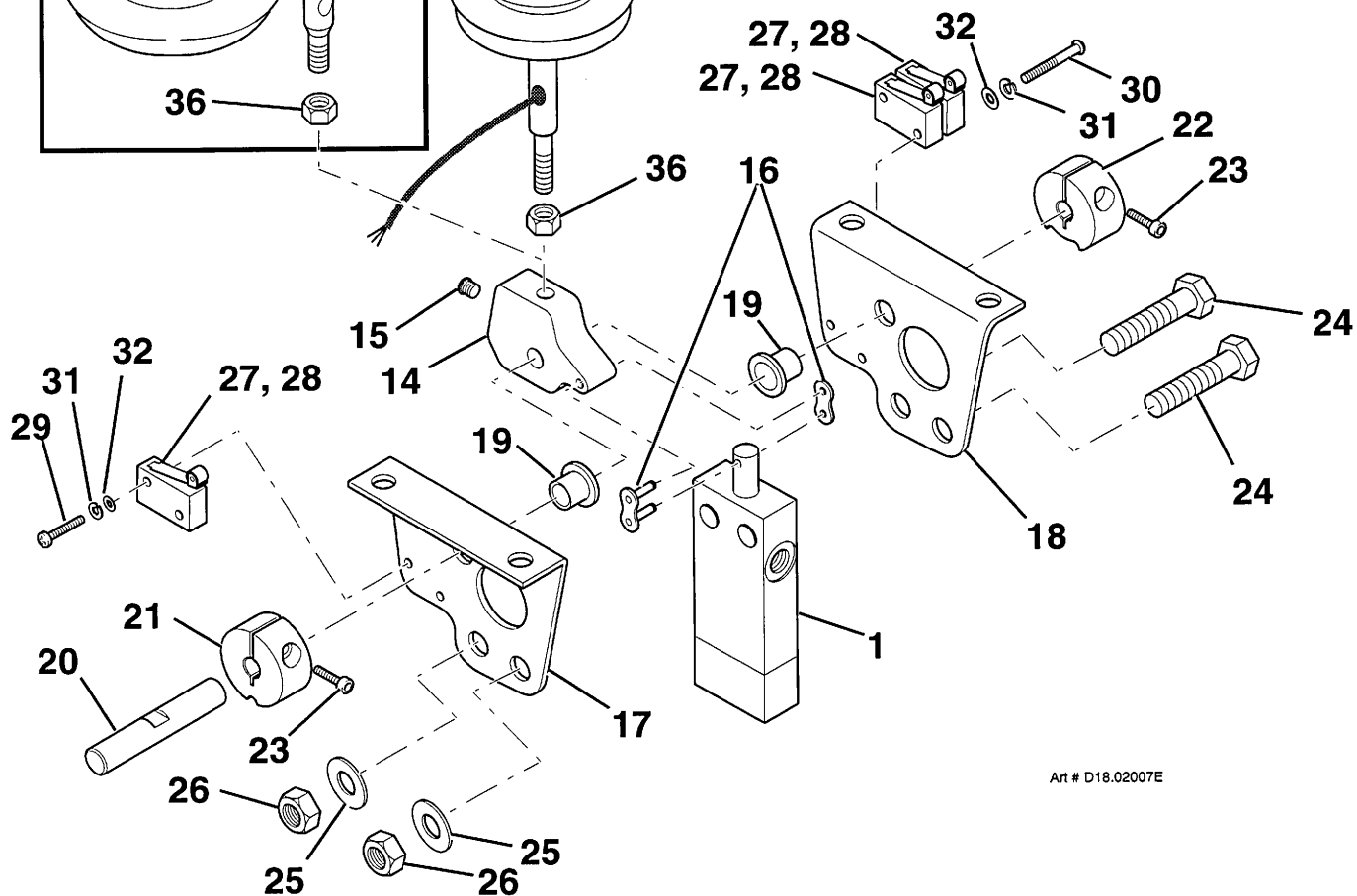
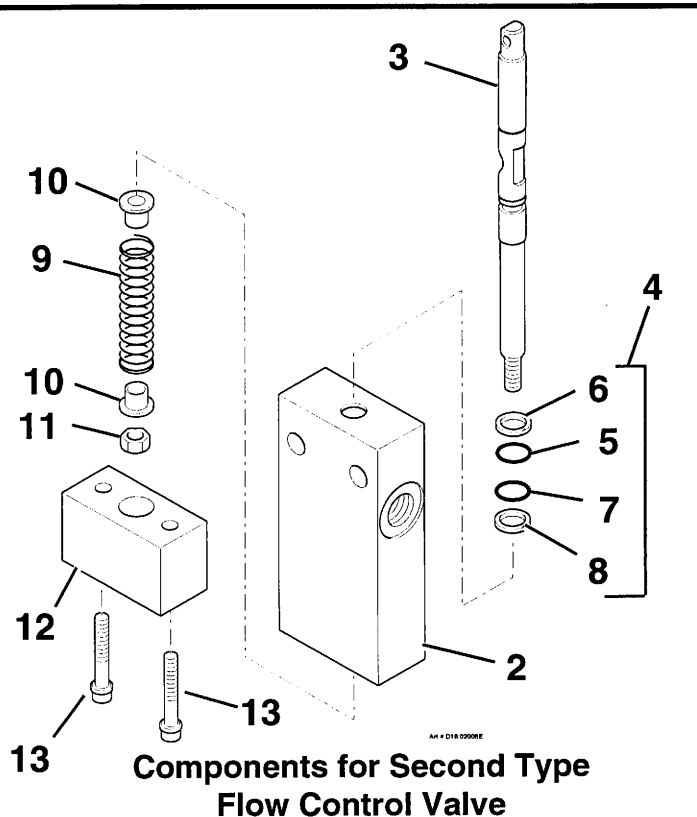
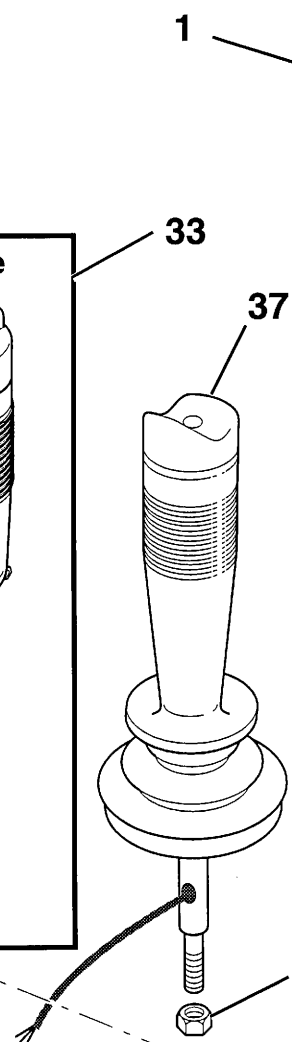
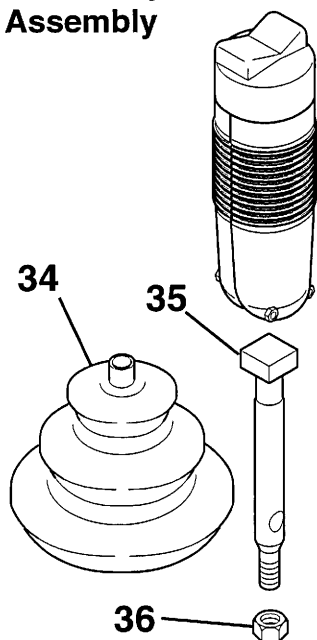
TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

PLATE NO. D18.02 **SIMON AERIALS INC.**

REV. 16 JAN., 1996

PART NO.

Earlier Style Handle Assembly



Art # D18.02007E

TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 16 JAN., 1996

PART NO.

PLATE NO. D18.02

PARTS LIST

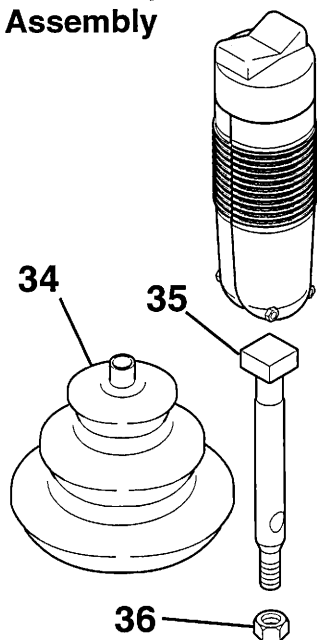
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TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

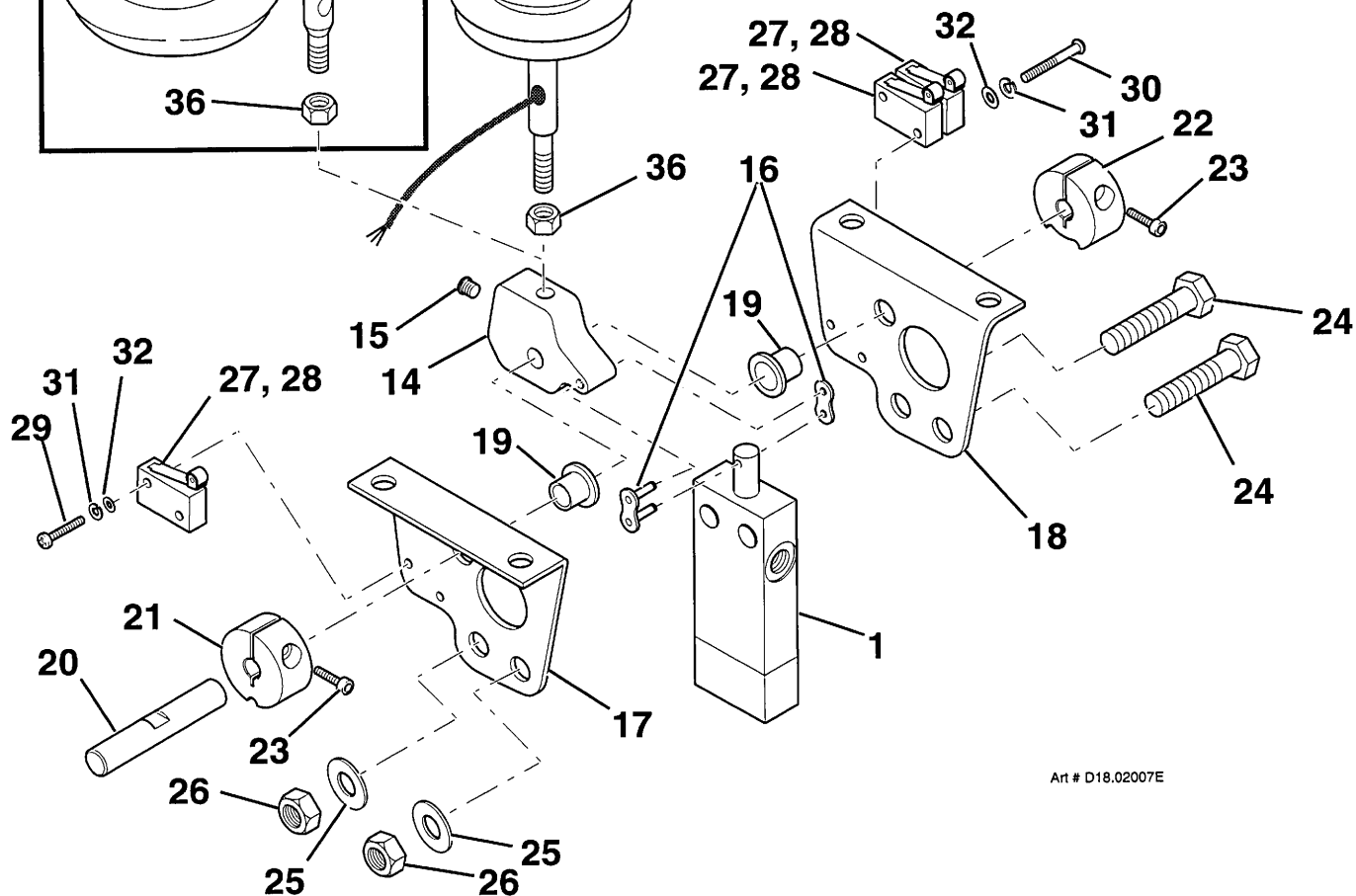
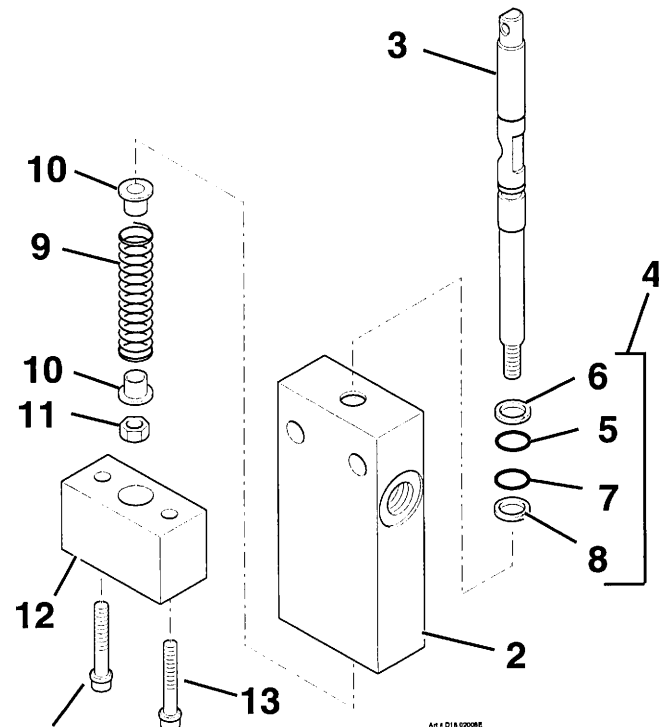
PLATE NO. D18.02	SIMON AERIALS INC.	REV. 16 JAN., 1996
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PART
NO.PART
NO.

Earlier Style Handle Assembly



Components for Second Type Flow Control Valve



Art # D18.02007E

TITLE DRIVE/ STEER CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3530760		DRIVE CONTROL VALVE ASSEMBLY (Type 1) (shown)	1
	3535640		DRIVE CONTROL VALVE ASSEMBLY (Type 2)	1
1			VALVE, FLOW CONTROL (1 tooth)	
	01-203200		Type 1 (superceded by 01-230800)	1
	01-230800		Type 2 (current style)	1
2	2121810		ARM, ROCKER (for "Type 1" Valve)	1
	2323270		ARM, ROCKER (for "Type 2" Valve)	1
3	07-023059		SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5)	
			(used with "Type 2" Valve)	1
4	08-010200		LINK KIT, CONNECTING	1
5	2121780		BRACKET, VALVE (right) (single switch side)	1
6	2121790		BRACKET, VALVE (left) (double switch side)	1
7	2121800		BUSHING, FLANGED	2
8	2121740		SHAFT, CAM	1
9	2323420		CAM, SWITCH (single) (includes screw)	1
10	2121770		CAM, SWITCH (double) (includes screw)	1
11	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	2
12	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	2
13	07-062015		WASHER, FLAT (5/16")	2
14	07-050015		NUT, STOP (5/16"-18, Grade 5)	2
15	03-065000		MICRO SWITCH (includes roller lever actuator)	3
16	03-026500		ACTUATOR, BOLT ON (Roller lever)	1
17	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2
18	07-013386		MACHINE SCREW, ROUND HEAD (#4-40 x 1-1/8", Grade 2)	2
19	07-065003		WASHER, HELICAL LOCK (#4)	4
20	07-062003		WASHER, FLAT (#4)	4
			The following items are not part of the Drive Control Valve Assembly:	
21	3530010	E01.14	HANDLE ASSEMBLY, DRIVE CONTROL	1
22	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
23	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S) (not shown)	1
24	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S) (not shown)	1

TITLE

DRIVE CONTROL VALVE ASSEMBLY

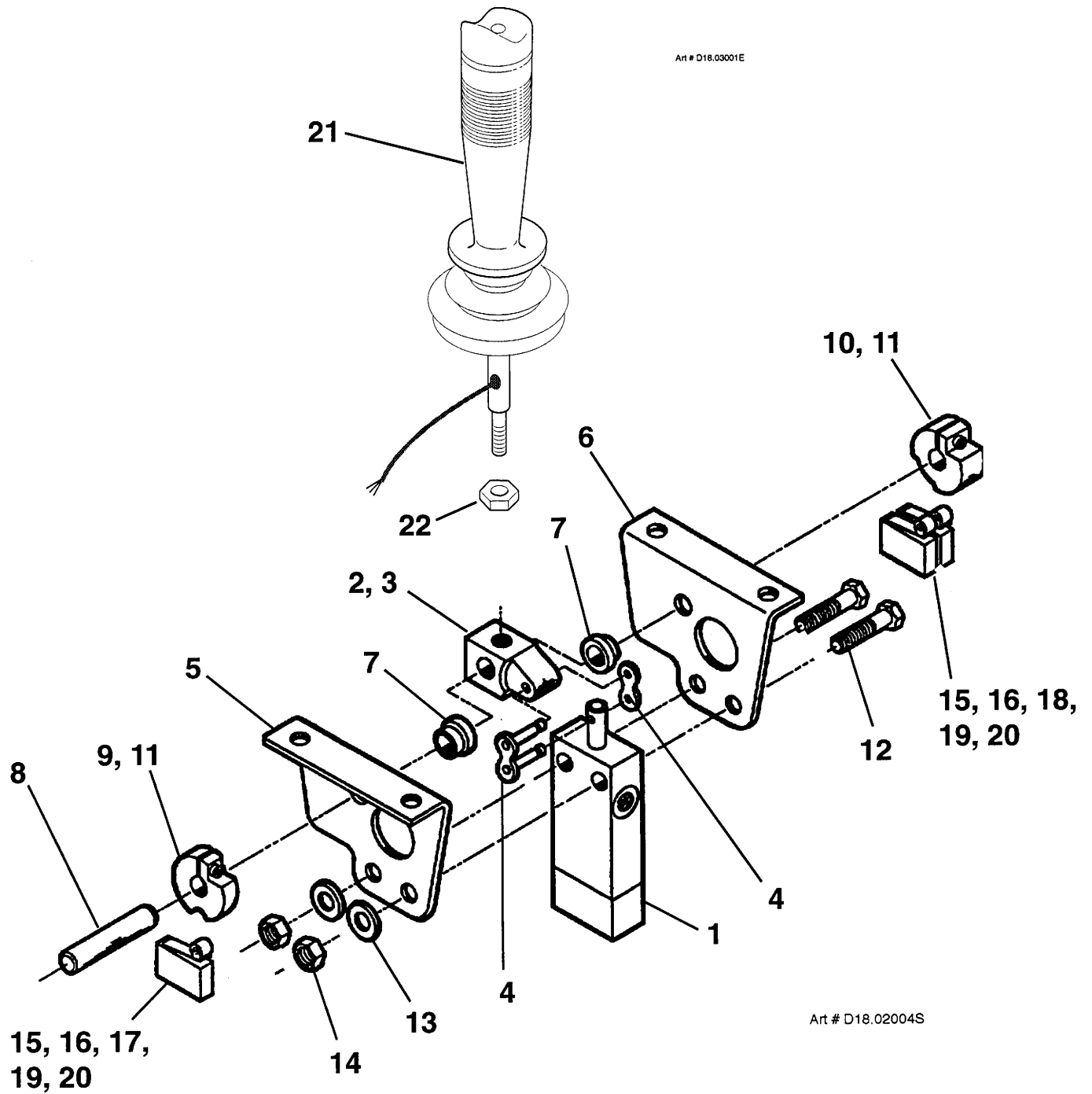
PLATE NO. D18.101

SIMON AERIALS INC.

REV. 21 MAR., 1994

PART NO.

Art # D18.09001E



TITLE

DRIVE CONTROL VALVE ASSEMBLY

SIMON AERIALS INC.

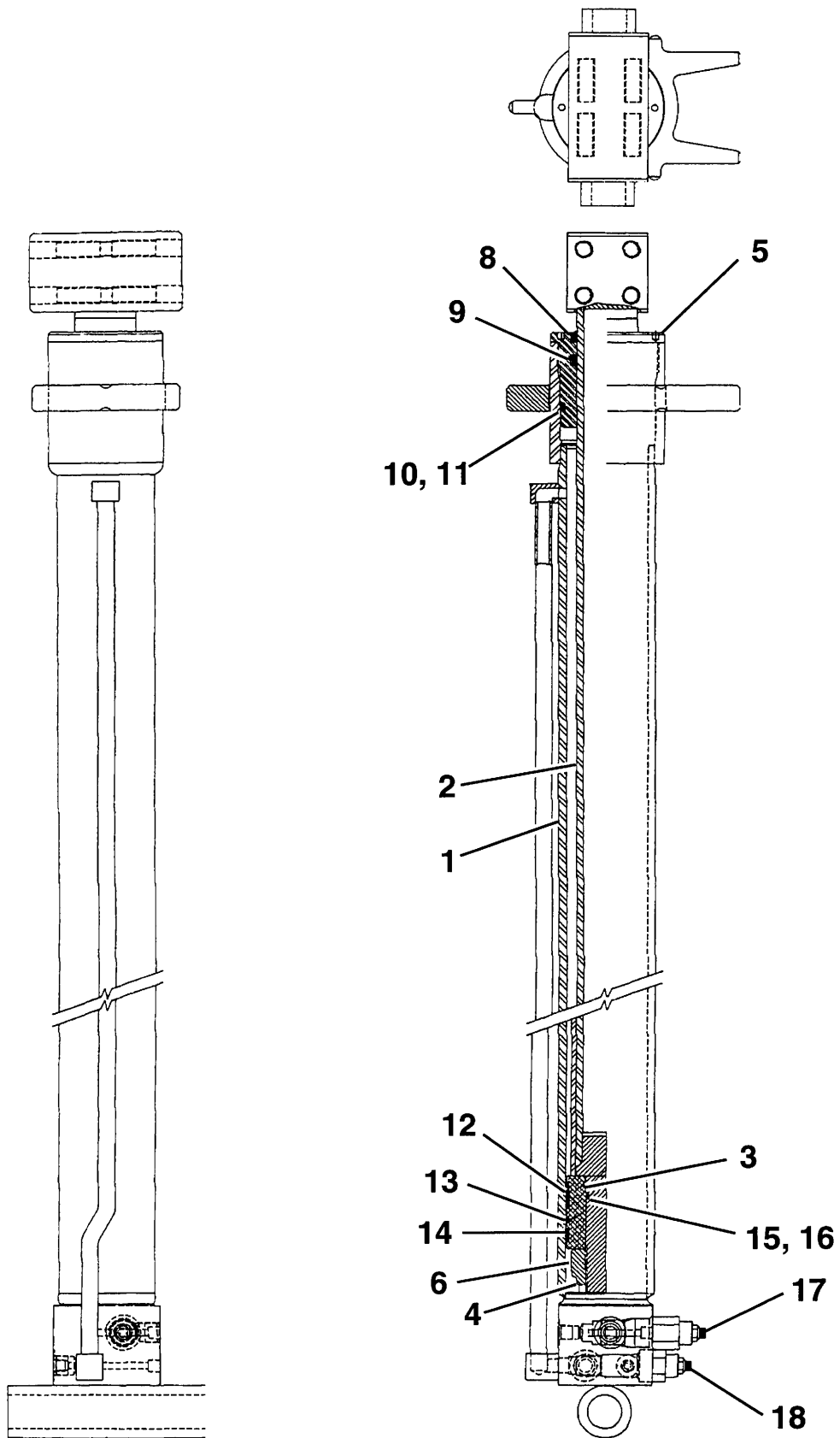
REV. 21 MAR., 1994

PART
NO.

PLATE
NO. **D18.101**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	04-035100		CYLINDER, BOOM TELESCOPE Type 1. Cylinder can be identified by the Part Number "04035100SH" stamped on the cylinder case, on the side opposite the tube.	
	04-054100		Type 2. Cylinder can be identified by the Part Number "04054100SH" stamped on the cylinder case, on the side opposite the tube.	
1			CASE, CYLINDER	1
2			ROD, CYLINDER	1
3			PISTON	1
4			SPACER	1
5			GLAND, HEAD	1
6			NUT, LOCK	1
7	04-035101		SEAL KIT (for " Type 1 " Cylinder)	1
	No Part #		SEAL KIT (for " Type 2 " Cylinder)	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	3
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17	04-035102		VALVE, COUNTERBALANCE (Retract) (pre-set at 3,900 psi [268.9 bar] [274.2 kg/ cm ²]) (valve is marked " CBEG-LHN ")	1
18	04-035103		VALVE, COUNTERBALANCE (Extend) (pre-set at 1,200 psi [82.8 bar] [84.4 kg/ cm ²]) (valve is marked " CWCA-LHN ")	1
TITLE TELESCOPE CYLINDER, 164" (4.17 M) STROKE				
PLATE NO.	D19.101	SIMON AERIALS INC.		PART NO.
REV. 17 FEB., 1996				



TITLE

TELESCOPE CYLINDER, 164" (4.17 M) STROKE

SIMON AERIALS INC.

REV. 17 FEB., 1996

PART
NO.

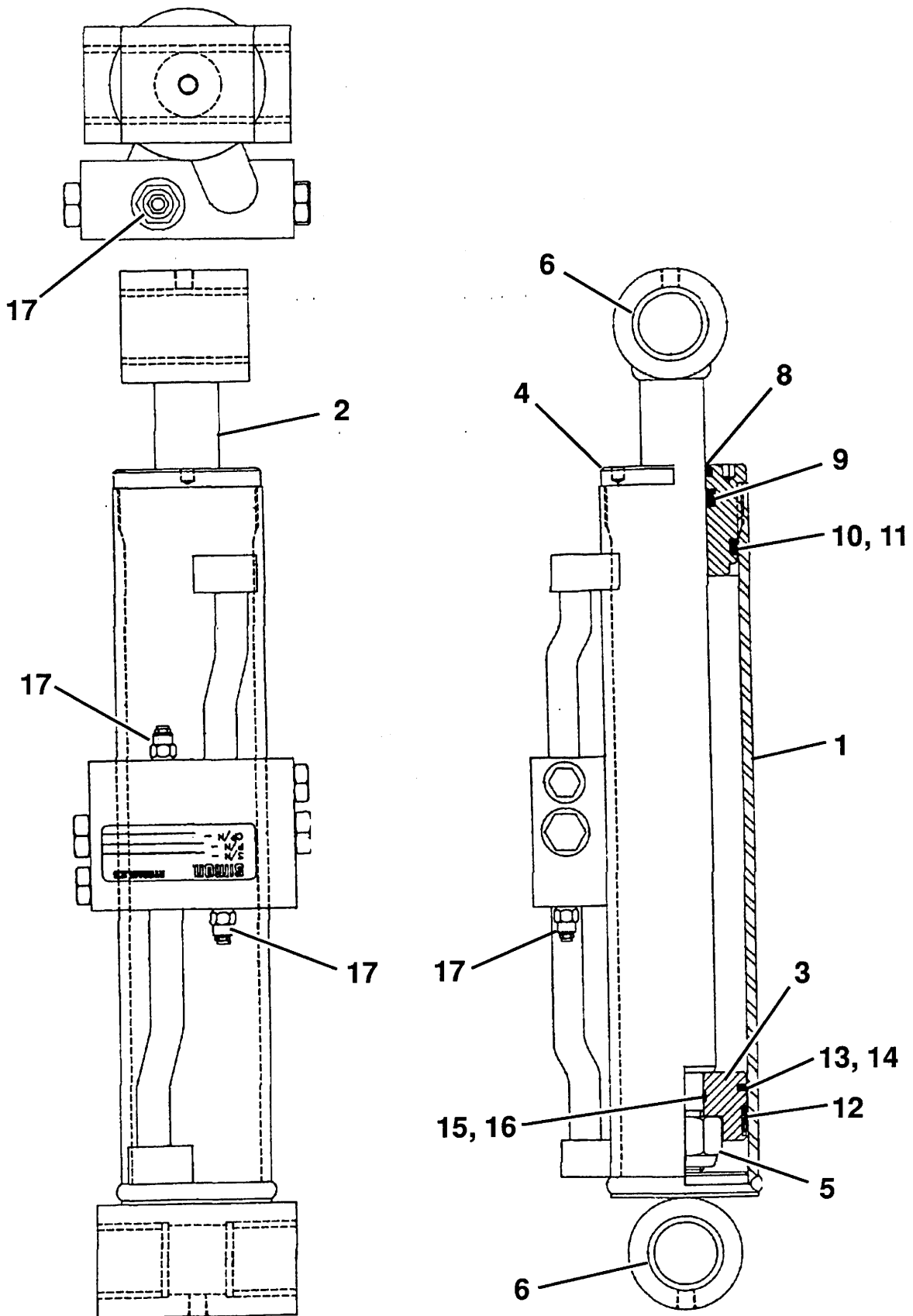
PLATE
NO. D19.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032700SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4			GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			"O"-RING	1
11			RING, BACKUP	1
12			RING, PISTON WEAR	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			"O"-RING	1
16			WASHER, BACKUP	1
17			VALVE, COUNTERBALANCE	
	04-028302		Type 1 (Valve is stamped "CB-CG-LJN")	2
	01-227200		Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm ²)]	2
			Note: "Type 1" and "Type 2" valves are directly interchangeable, but must be replaced in pairs . When ordering a replacement valve, (2) of "Type 2" will be supplied unless otherwise specified.	
18			SEAL KIT, COUNTERBALANCE VALVE	
	04-028303		(for "Type 1" Valve)	1
	01-227201		(for "Type 2" Valve)	1

TITLE SLAVE LEVEL CYLINDER, 10" (.25 M) STROKE

PLATE NO. D20.101	SIMON AERIALS INC.	REV. 15 OCT., 1993	PART NO. 04-032700
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TITLE SLAVE LEVEL CYLINDER, 10" (.25 M) STROKE

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

04-032700

PLATE
NO.

D20.101

[illegible]

PLATFORM ROTARY ACTUATOR

SIMON AERIALS INC.

PART 02-037800
No.

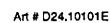
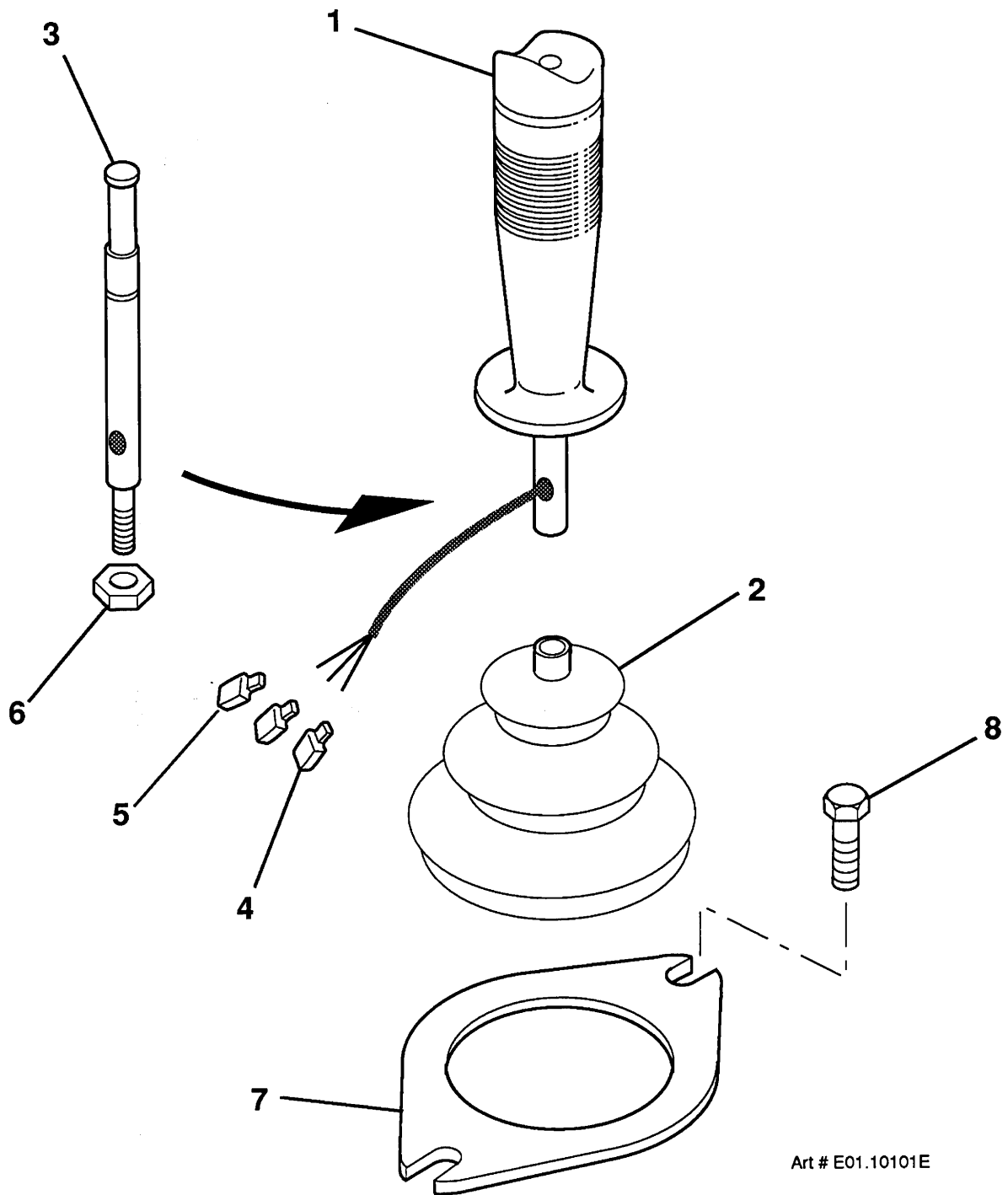


PLATE NO. D24.101

[illegible]

DRIVE CONTROL HANDLE ASSEMBLY

PART NO.	3530010
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Art # E01.10101E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 18 FEB., 1993

PART
NO.

3530010

PLATE
NO.

E01.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5050		PLATFORM WORK LIGHT PACKAGE (Flood lamps)	1
2	03-037900		LAMP, TRUCK (12 Volt DC) (incl. #4411 flood lamp bulb)	2
3	03-037902		LAMP, FLOOD (Sealed beam replacement bulb only)	
			(#4411, 12 Volt DC) (See below for Spot lamp bulbs)	1
4	210 7370		BRACKET, WORK LIGHT MOUNTING	2
5	10-069600		CLAMP, TUBE (1-1/4" O.D.)	2
6	03-064800		GROMMET (Plastic)	2
7	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 8 Ft [2.4 M] needed here)	A.R.
8	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	2
9	03-094800		TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)	2
10	03-408800		TUBING, HEAT SHRINK (Black, 1/4")	
			(Bulk item, order as needed. 4 Ft [1.2 M] needed here)	A.R.
11	03-064000		TIE, CABLE (7.4" [188 mm] long)	6
12	03-499700		BREAKER, CIRCUIT (15 Amp)	1
13	01-037400		"O"-RING (.351" I.D., .072" thick)	1
14	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
15	03-037900		LAMP, TRUCK (12 Volt DC) (includes #4416 spot lamp bulb)	2
16	No Part #		LAMP, SPOT (Sealed beam replacement spot bulb only)	
			(#4416, 12 Volt DC) (See Item 17 for halogen bulb)	1
17	03-037901		LAMP, SPOT (Sealed beam replacement spot bulb only)	
			(#H7604, 12 Volt DC, Halogen) (See Item 3 for Flood lamp)	1
18	353 5010		LIGHT PACKAGE (includes lamps for platform control panel, ground control panel, and engine compartment)	1
19	03-038800		LAMP, CONTROL PANEL (hooded)	2
20	03-418600		BULB, PANEL LAMP (#68, 12 Volt DC)	1
21	03-035500		LAMP, DOME (Engine compartment)	1
22	No Part #		BULB, DOME LAMP (#93, 12 Volt DC)	1
23	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
24	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	2
25	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	2
26	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	2
27	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")	6
28	07-062009		WASHER, FLAT (#8)	6
29	07-050111		NUT, LOCK (#10-32, Grade 2, with Nylon insert)	6

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 3)

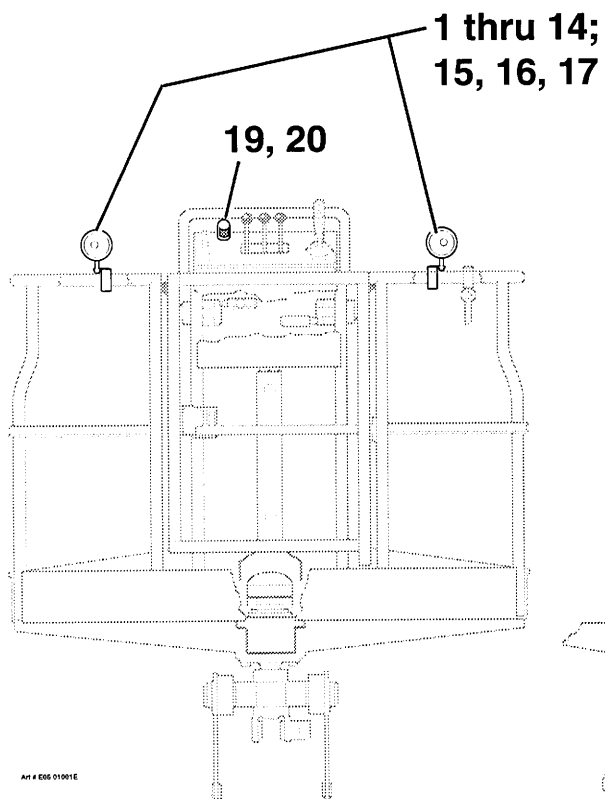
PLATE NO.

E05.01

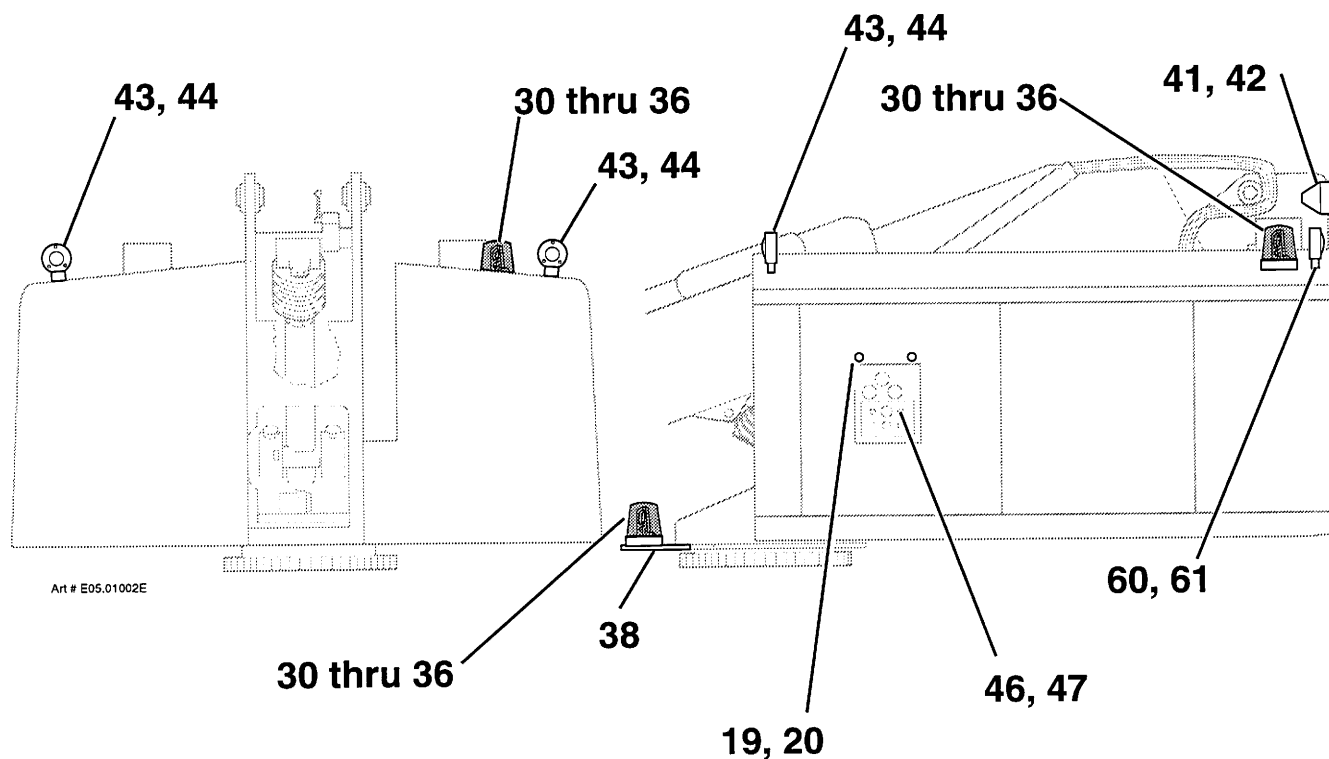
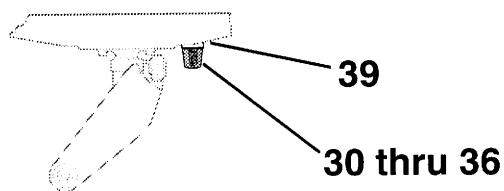
SIMON AERIALS INC.

REV. 23 MAR., 1995

PART NO.



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 23 MAR., 1995

PART
NO.

PLATE
NO.

E05.01

PARTS LIST

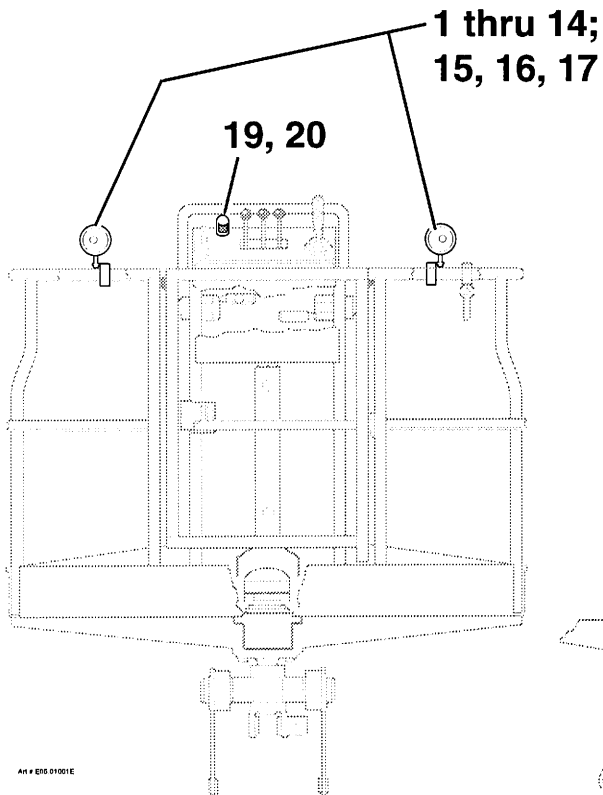
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	353 5030		ROTARY BEACON PACKAGE (Amber)	1
31	03-030600		BEACON, ROTARY (Amber , 12 Volt DC)	1
32	03-030601		LENS, ROTARY BEACON (Amber replacement lens)	1
33	No Part #		BULB, ROTARY BEACON (#1156, 12 Volt DC)	1
34	03-064800		GROMMET (Plastic)	1
35	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
36	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	1
37	No Part #		LENS, ROTARY BEACON (Red replacement lens only)	1
38	234 5630		BRACKET, ROTARY BEACON MOUNTING	
			(to superstructure rear, near swing motor)	1
39	222 8640		BRACKET, ROTARY BEACON MOUNTING	
			(to underside of platform)	1
40	353 5040		HEAD AND TAIL LIGHT PACKAGE	1
41	03-038000		HEADLAMP (Sealed beam)	2
42	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#H 7609, 12 Volt DC, Halogen) (Also see Item 57)	1
43	03-031200		TAIL LAMP	2
44	No Part #		BULB, TAIL LAMP (#1157, 12 Volt DC)	1
45	03-020400		SWITCH, TOGGLE (2 position, maintained contact, single pole, single throw)	1
46	03-037500		SOCKET, RELAY (Double pole, snap mount)	1
47	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	1
48	03-085200		CABLE, ELECTRICAL (Type SJO, 2 cond., #16 AWG)	
			(Bulk item, order as needed. 20 Ft [6.1 M] needed here)	A.R.
49	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
50	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	12
51	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	12
52	07-031001		STUD, WELD (1/4"-20 x 3/4")	28
53	07-050014		NUT, LOCK (1/4"-20, Grade 5)	28
54	07-062015		WASHER, FLAT (5/16")	28
55	10-060600		CLAMP, LOOP (3/8"	28
56	03-497900		SEAL, PANEL (for headlamp toggle switch)	1
57	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#4419, 12 Volt DC) (See Item 42 for Halogen bulb)	1

TITLE OPTIONAL LIGHT PACKAGES (PLATE 2 OF 3)

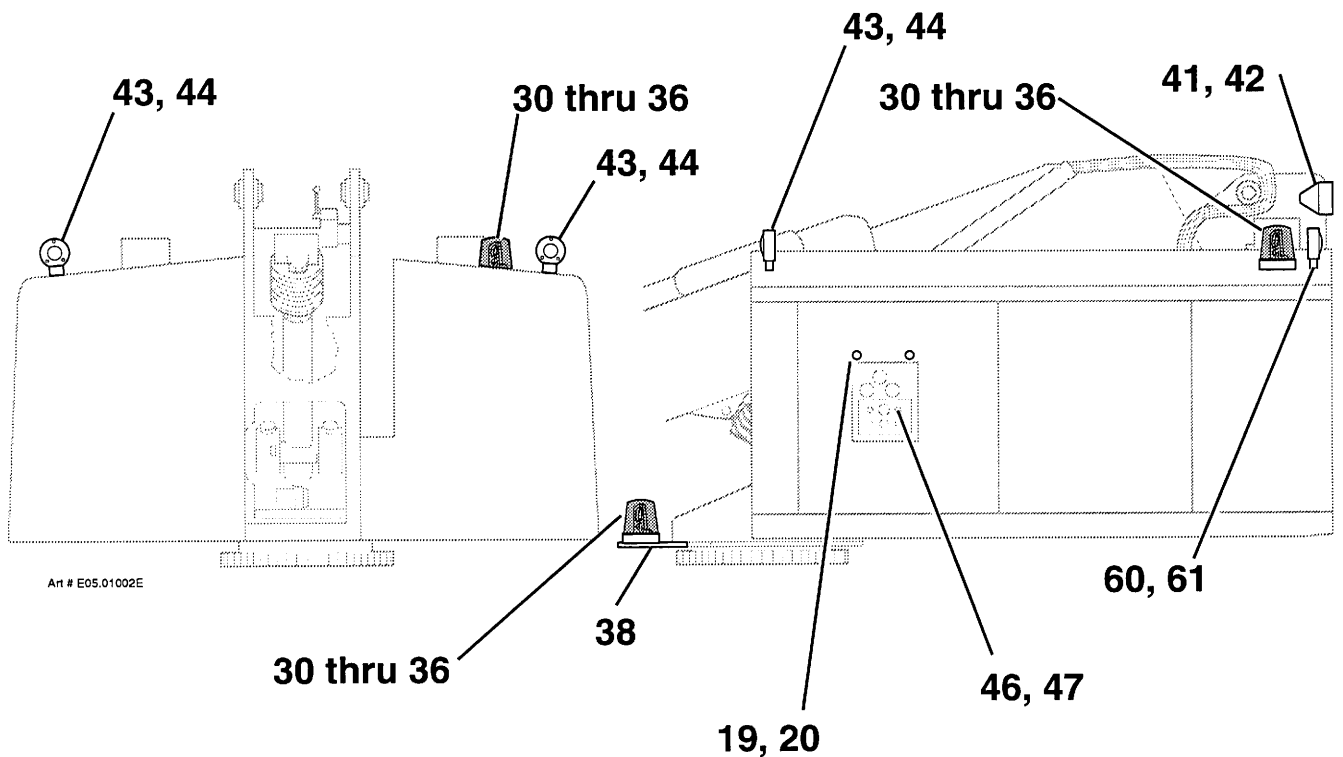
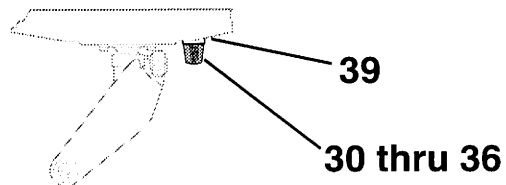
PLATE NO. E05.01 **SIMON AERIALS INC.**

REV. 23 MAR., 1995

PART NO.



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 23 MAR., 1995

**PART
NO.**

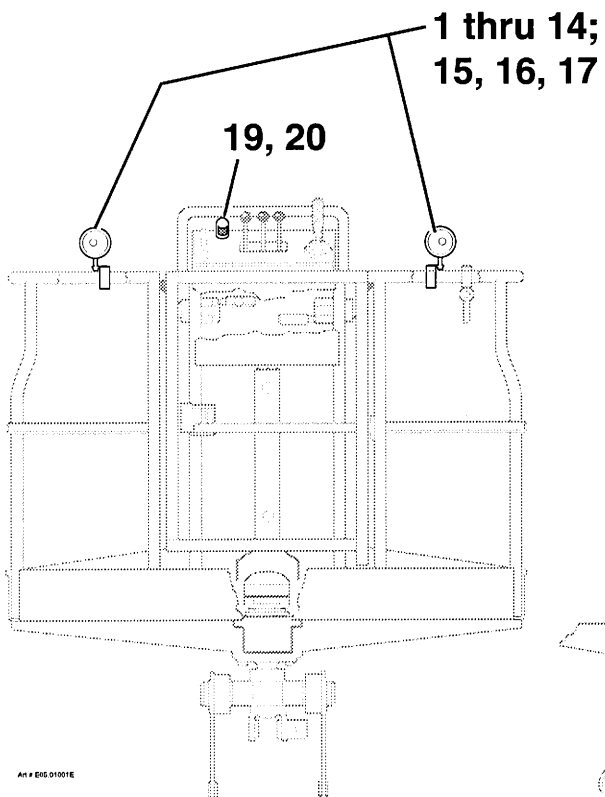
**PLATE
NO.**

E05.01

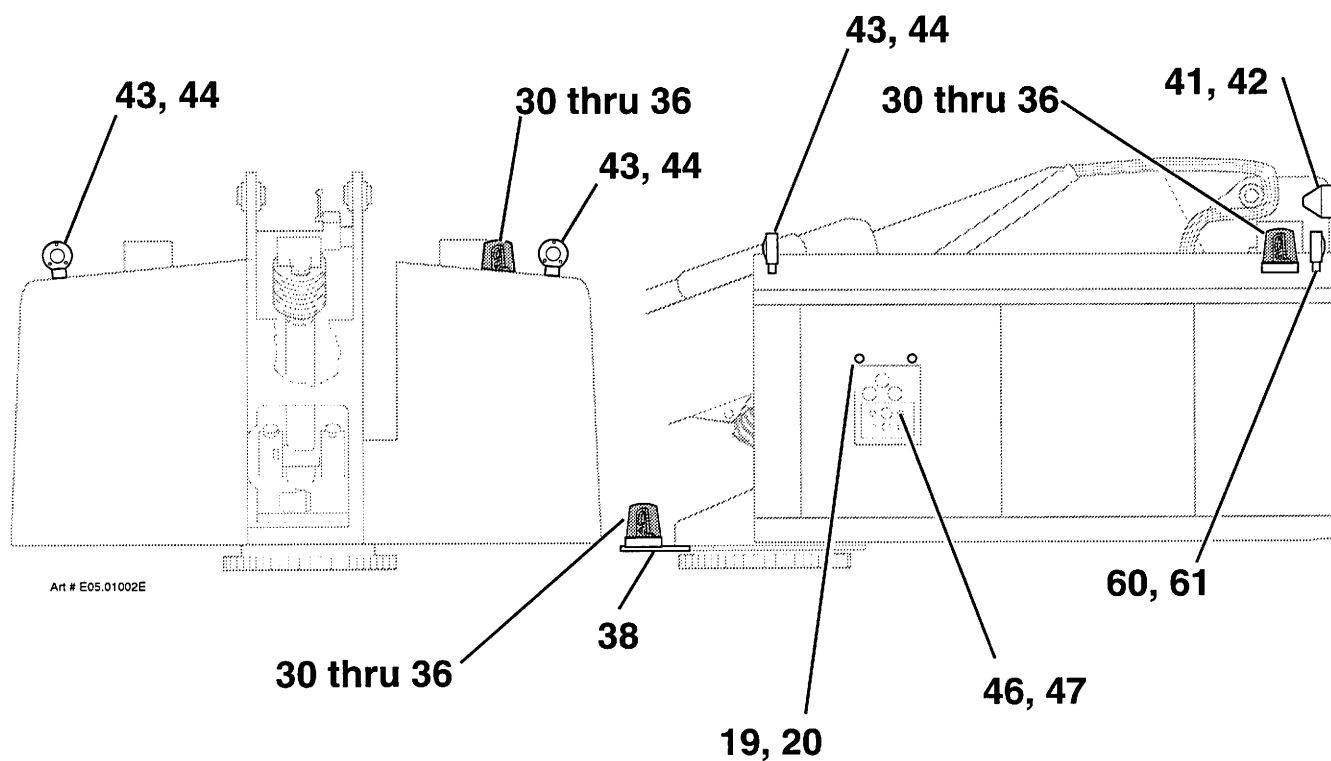
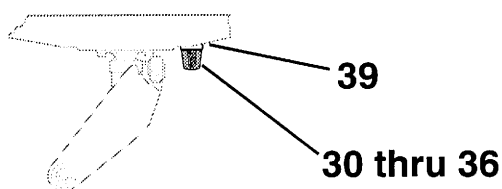
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OPTIONAL LIGHT PACKAGES (PLATE 3 OF 3)

PART
NO.



NOTE: Views show typical lamp installation. Actual locations may vary per model and application.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 23 MAR., 1995

**PART
NO.**

**PLATE
NO.**

E05.01

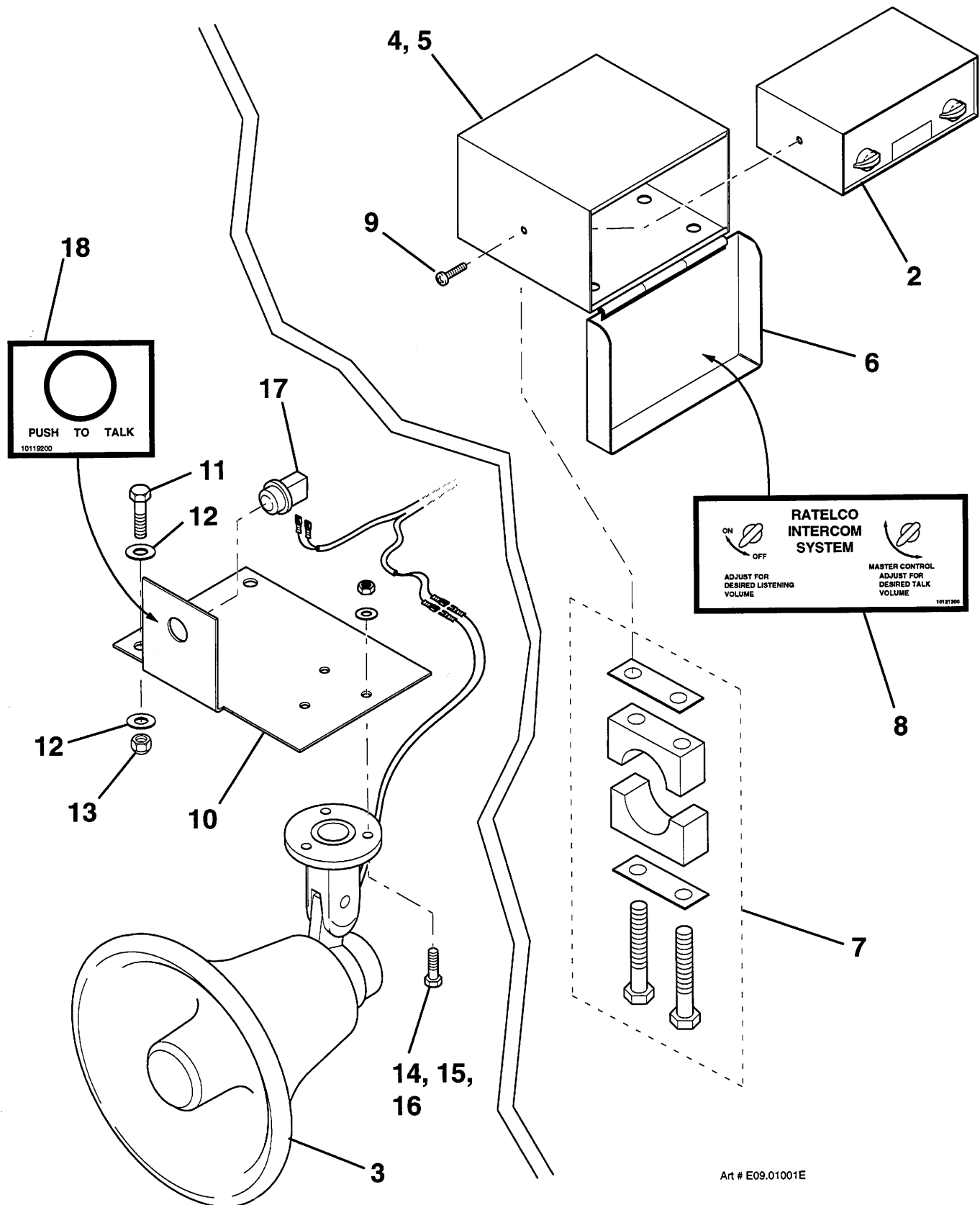
PARTS LIST

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TITLE MOBILE INTERCOM SYSTEM (OPTION)

PLATE NO.	E09.01	SIMON AERIALS INC.	NEW 02 MAY., 1994	PART NO.
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PART NO.	DESCRIPTION
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TITLE

MOBILE INTERCOM SYSTEM (OPTION)

SIMON AERIALS INC.

NEW 02 MAY., 1994

PART
NO.

PLATE
NO.

E09.01

PARTS LIST

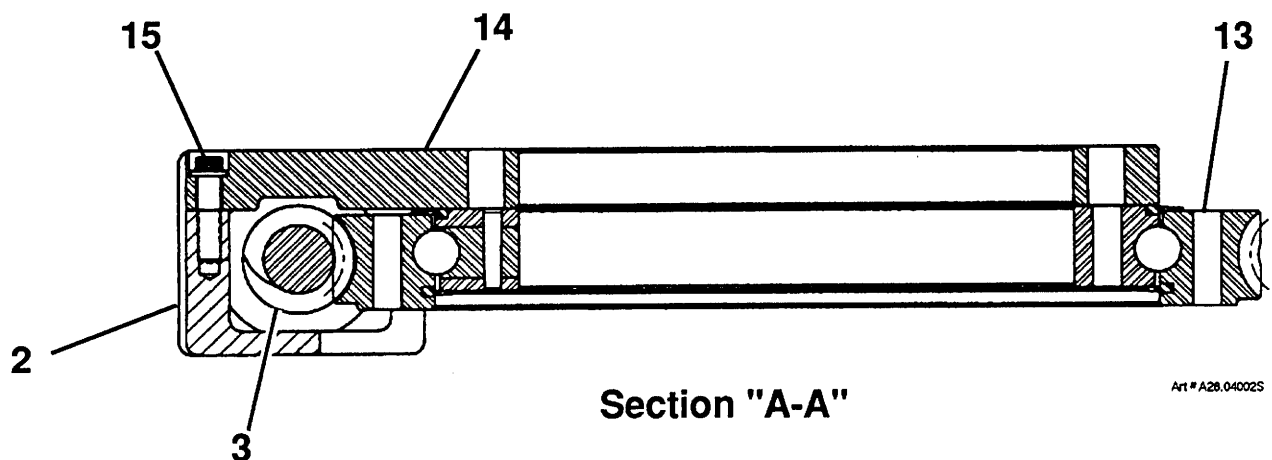
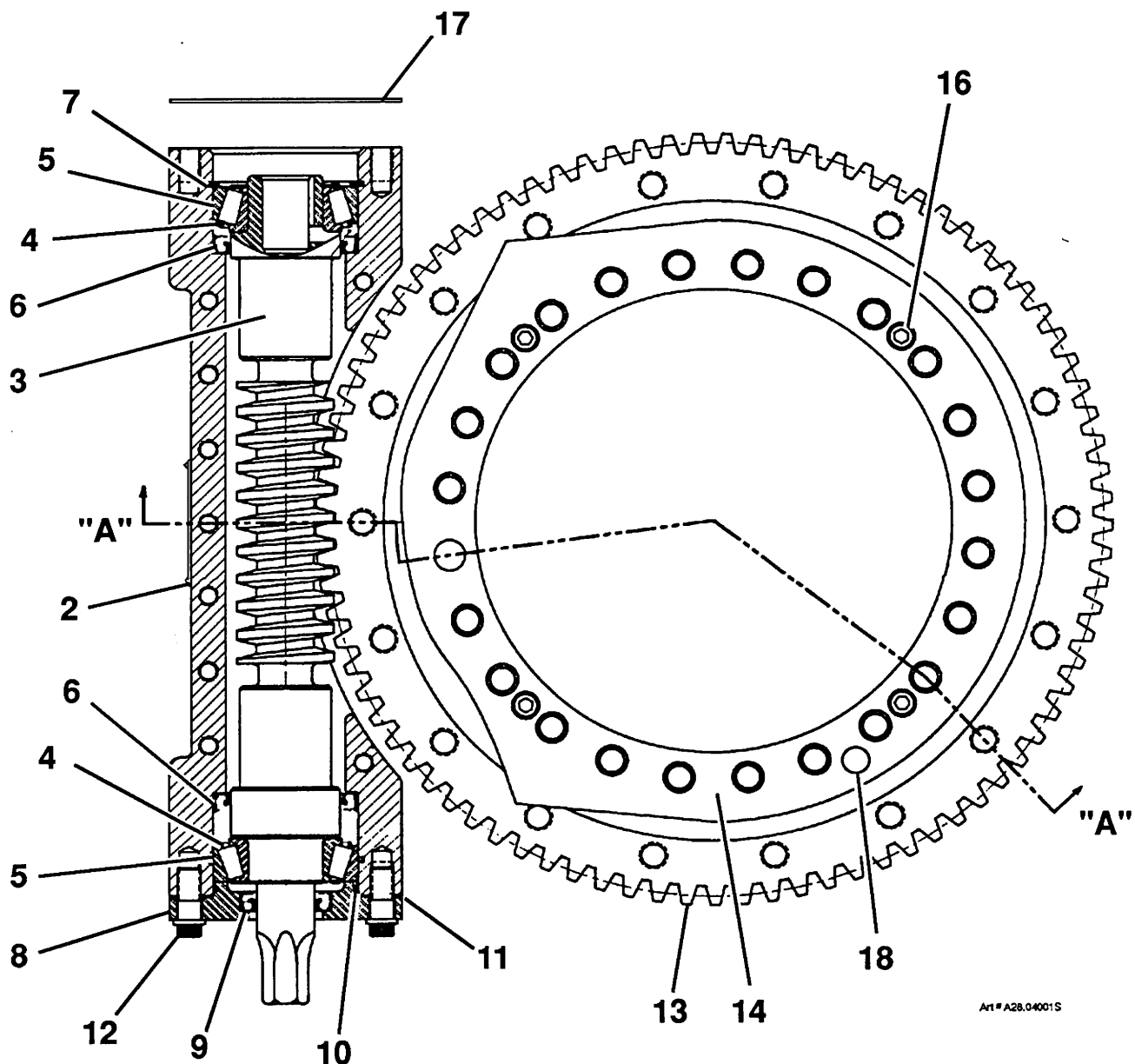
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	08-069000		SWING REDUCER ASSEMBLY	
2	08-069003		HOUSING, SWING REDUCER	1
3	08-068710		SHAFT, WORM	1
4	08-068705		CONE AND ROLLER, BEARING	2
5	08-068706		CUP, BEARING	2
6	08-068703		SEAL	2
7	08-068704		RING, SNAP (Input bearing)	1
8	08-068709		RETAINER, OUTPUT BEARING	1
9	08-068719		SEAL, OUTPUT BEARING	1
10	08-068702		"O"-RING	1
11	08-068716		SHIM [.005" (.127 mm) thick]	2
	08-068717		SHIM [.015" (.381 mm) thick]	2
	08-068718		SHIM [.030" (.762 mm) thick]	2
12	08-068715		CAP SCREW, FERRY (1/2"-13 x 1-1/4")	4
13	08-069001		BEARING, ROTATION	1
14	08-069002		PLATE, SUPERSTRUCTURE MOUNTING	1
15	08-069004		CAP SCREW, FERRY (7/16"-14 x 3-1/2")	9
16	08-068714		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4")	4
17	02-023502		GASKET, HYDRAULIC MOTOR [1/32" (.794 mm) thick]	1
18	08-068720		PIN, DOWEL	2
			The following items are not part of Swing Reducer Assembly 08-069000:	
19	01-210200	D06.101	MOTOR, HYDRAULIC [10 c.i. (164 c.c.)]	1
20	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
21	07-062018		WASHER, FLAT (1/2" SAE)	2
22	07-065018		WASHER, HELICAL LOCK (1/2")	2
23	10-126400		LUBRICANT, OPEN GEAR (Caulk tube)	
			(for use on swing gear teeth)	A.R

TITLE SWING REDUCER ASSEMBLY, TRAILBLAZER

PLATE NO. F02.101 SIMON AERIALS INC.

NEW 08 JAN., 1993

PART NO. 08-069000



Section "A-A"

TITLE

SWING REDUCER ASSEMBLY, TRAILBLAZER

SIMON AERIALS INC.

NEW 08 JAN., 1993

PART
NO.

08-069000

PLATE
NO.

F02.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	55-500600		DECAL KIT, TRAILBLAZER 40 (includes items 2 through 25)	1
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1
3	10-145100		DECAL, "DANGER" (Electrocution)	2
4	10-142100		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
5	10-012600		DECAL, "CAUTION" ("Open hydraulic tank valves ...")	1
6	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
7	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
8	10-087400		DECAL, GROUND CONTROL VALVES	1
9	10-131500		PLATE, REMOTE CONTROL PENDANT	1
10	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	2
11	10-148300		DECAL, "Platform capacity 500 Lbs (225 Kg)" [4-1/2" (114 mm) wide]	2
12	10-145300		DECAL, "Platform capacity 500 Lbs (225 Kg)" [18-1/4" (464 mm) wide]	1
13	10-012900		DECAL, "FORWARD" WITH ARROW	2
14	10-157100		DECAL, "MANUAL BRAKE RELEASE" (for units with serial # APA 00122 and above)	1
15	10-145000		PLACARD, PLATFORM CONTROL VALVES	1
16			DECAL, PLATFORM ELECTRICAL BOX	1
	10-145900		Area surrounding Emergency Stop button is red	1
	10-222300		Area surrounding Emergency Stop button is yellow	1
17	10-147400		DECAL, PLATFORM LEVEL AND ROTATE CONTROLS	1
18	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
19	10-017100		DECAL, "SIMON" NAME [Black, 7" (178 mm) high]	3
20	10-105900		DECAL, "SIMON" NAME [White, 5" (127 mm) high]	1
21	10-139200		DECAL, "TRAILBLAZER" NAME	2
22	10-139300		DECAL, MODEL "40"	2
23	10-139400		DECAL, "4 x 4" IDENTIFICATION	1
24	10-131900		DECAL, SIMON "S" LOGO [Orange/ Gray, 9" (229 mm) wide x 13-1/2" (344 mm)]	2
25	10-121600		DECAL, "MADE IN U.S.A."	1
The following items are not part of decal kit 55-500600:				
26	10-014200		DECAL, "ATTENTION" (5° Tilt alarm) (found on some earlier versions)	1
27	10-012200		DECAL, "CAUTION" ("For Hydraulic Fluid ... DTE 15" ...") (found on some earlier versions)	1
28	10-007400		DECAL, "GENERAL MAINTENANCE" (found on some earlier versions)	1
29	10-015200		DECAL, "HYDRAULIC FLUID LEVEL CHECK . . ." (found on some earlier versions)	1

TITLE

DECALS, TRAILBLAZER 40 (PLATE 1 OF 2)

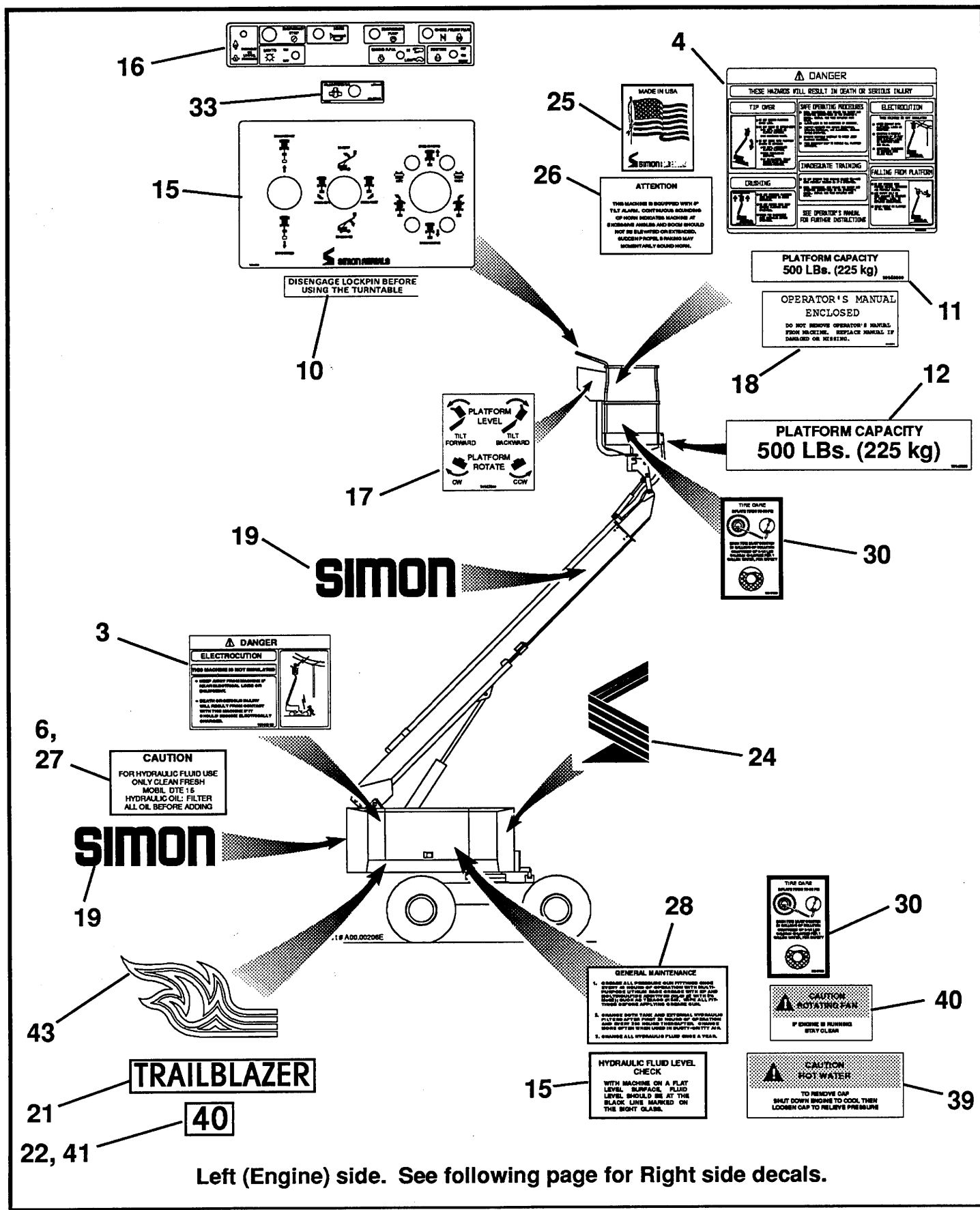
PLATE NO.

F99.101

SIMON AERIALS INC.

REV. 16 NOV., 1993

PART NO.



PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	10-147500		DECAL, TIRE CARE (55 PSI, liquid ballast) (found on some earlier versions)	2
31	10-147600		DECAL, "MANUAL BRAKE RELEASE" (for units with serial # up to APA 00122)	1
32	10-007600		DECAL, "120 V. AC, 20 AMP" (found on some earlier versions)	1
33	10-146000		DECAL, "AXLE DIFFERENTIAL LOCKED/ UNLOCKED" (Overlay, for versions with axle disengage toggle switch. For units with serial # up to APA 00122.)	1
34	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
35	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for "Dual fuel" versions)	1
36	10-108600		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for "Dual fuel" versions)	1
37	10-150100		DECAL, MANUAL LOWER AND RETRACT INSTRUCTION (for versions with optional manual lowering valves)	1
38	10-117900		PLACARD, "GASOLINE ONLY" (Black type, in one line) (for versions without optional Diesel engine)	1
	10-151100		PLACARD, "DIESEL FUEL ONLY" (Black type on white) (for versions with optional Diesel engine)	1
	10-013500		PLACARD, "DIESEL FUEL ONLY" (Black type on silver) (found on some earlier versions)	
39	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with optional Ford engine)	1
40	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with optional Ford engine)	1
41	No part #		DECAL, MODEL "T-40" (Superceded by 10-139300)	2
42	10-139100		DECAL, FLAME (positions at right end of stripe on some earlier versions)	1
43	10-139000		DECAL, FLAME (positions at left end of stripe on some earlier versions)	1
44	10-126800		DECAL, STRIPE [(4) Orange stripes, 3-3/4" (95 mm) wide] (Bulk item, order as needed) [32 Ft (9.8 M) used here]	A.R.
45	10-126900		DECAL, STRIPE [(3) Dk Gray stripes, 2-1/8" (54 mm) wide] (Bulk item, order as needed) [13 Ft (4.0 M) used here]	A.R.
46	10-031000		STRIP, "SAF-STEP" [Black, 4" (102 mm) x 60' (18.3 M) roll. 18" (46 cm) needed this application.]	1

TITLE

DECALS, TRAILBLAZER 40 (PLATE 2 OF 2)

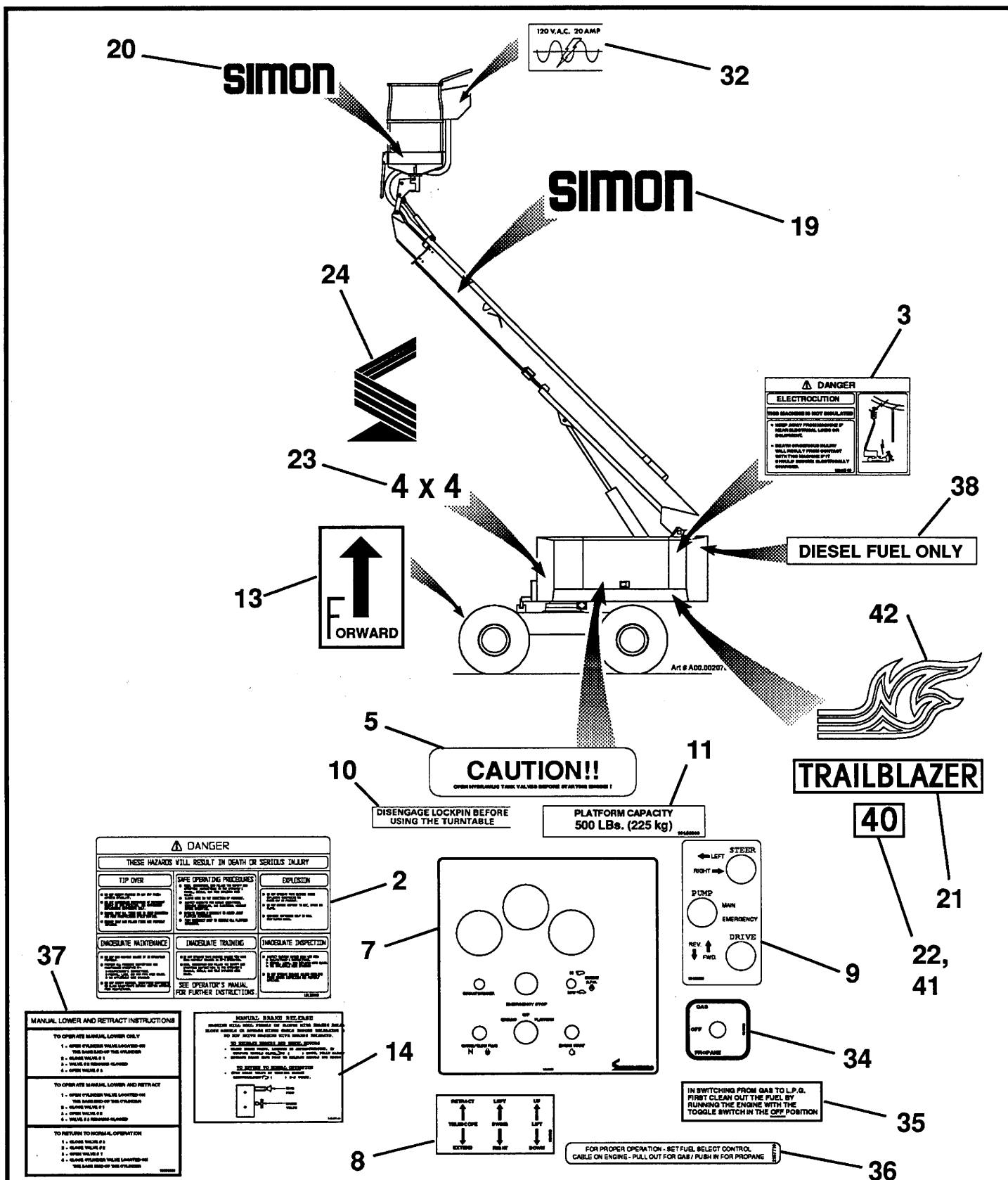
PLATE NO.

F99.101

SIMON AERIALS INC.

REV. 16 NOV., 1993

PART NO.



Right (Control) side. See previous page for Left side decals.

TITLE

DECALS, TRAILBLAZER 40 (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 NOV., 1993

PART
NO.

PLATE
NO. F99.101