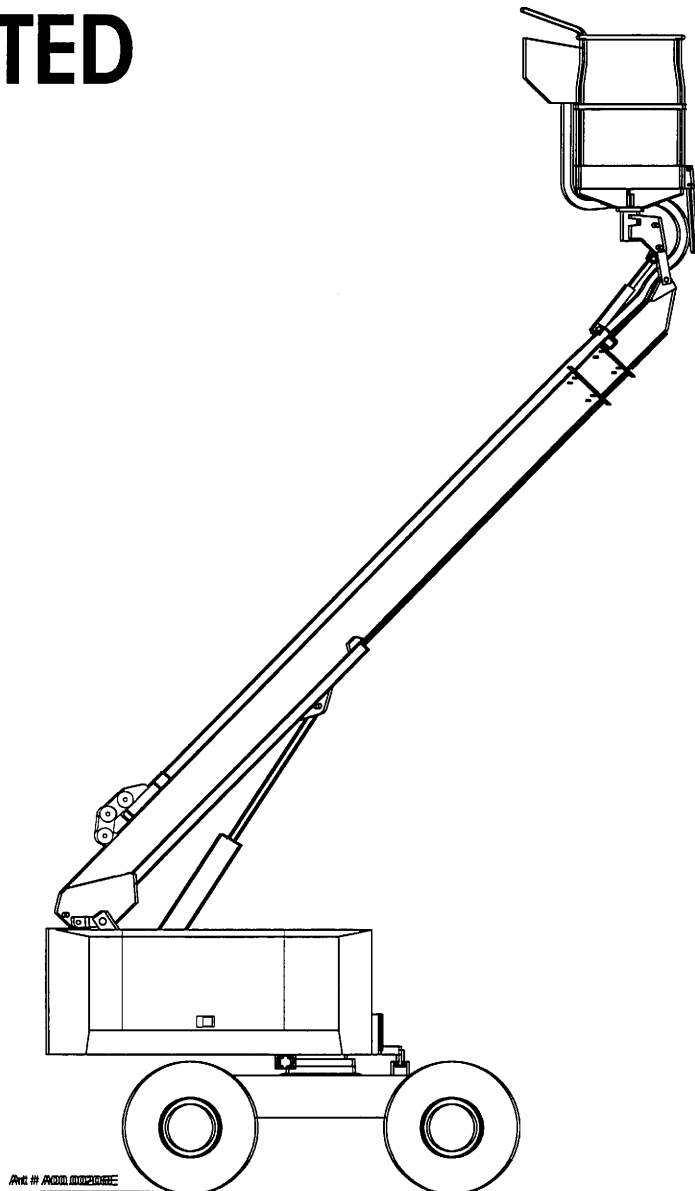


TRAILBLAZER 50

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Part No. 89-250005 • Initial Issue, dated Jan., 1996 •

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INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON TRAILBLAZER 50 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 proper OPERATION and reliable 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 50 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 B01 through F99. Each section contains the individual parts that make up a major component, assembly or item. The first four sections (B01 through B04) 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:

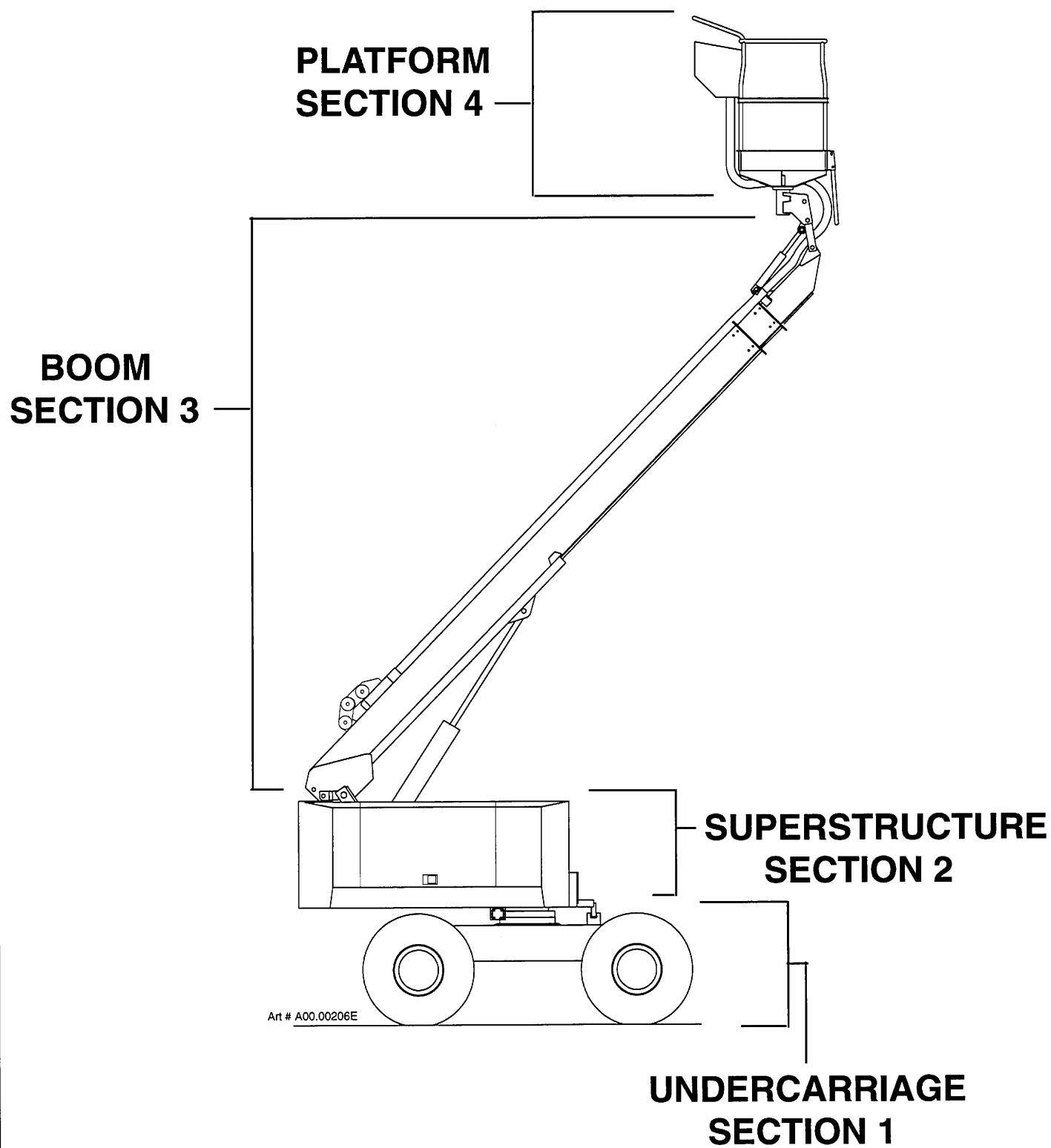
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

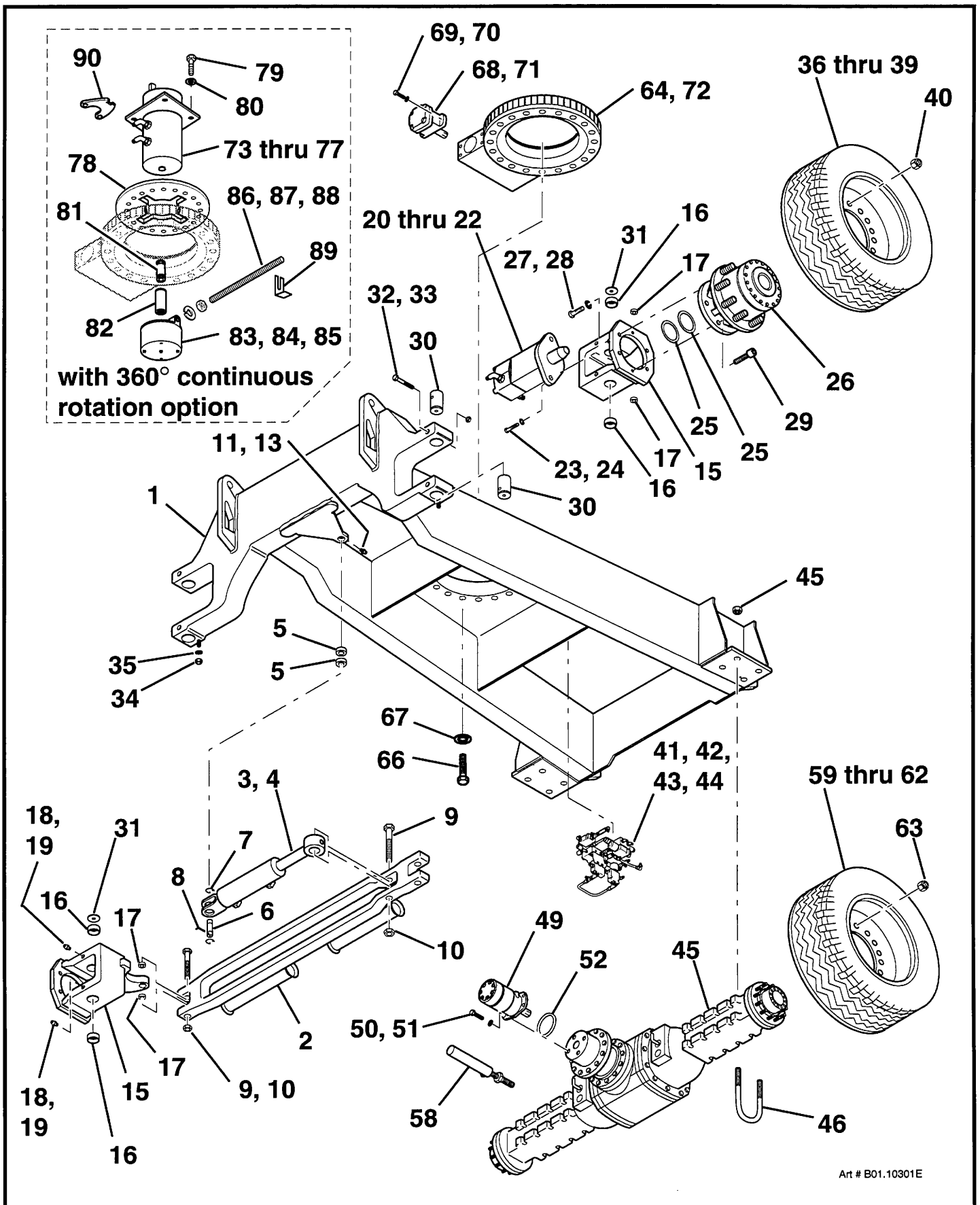
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 1540		UNDERCARRIAGE ASSEMBLY (units without 360° continuous rotation option)	1
	354 5430		(units with 360° continuous rotation option)	1
1	231 6930		UNDERCARRIAGE WELDMENT (Note: For Model T 50 applications, modification is required. Ref. 234 1060)	1
2	230 0640	D01.101	ROD, TIE	1
3	04-035200		CYLINDER, STEER	1
4	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	2
5	08-070400		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	2
6	219 2580		PIN (1" x 3-9/32") (Steer cylinder, base end)	1
7	08-040600		RING, RETAINING (External, 1")	2
8	219 7360		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	353 2110		MOTOR HOUSING ASSEMBLY, FRONT (Right)	1
	353 2120		MOTOR HOUSING ASSEMBLY, FRONT (Left)	1
15	230 6130		MOTOR HOUSING, FRONT (Right)	1
	230 6120		MOTOR HOUSING, FRONT (Left)	1
16	219 7350		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	08-050000		FITTING, GREASE (1/8", Straight)	3
19	08-066300	D03.103	CAP, GREASE FITTING (White plastic)	3
20	01-221900		MOTOR, HYDRAULIC (4.9 in ³ [80.3 c.c.]) (incl. lug nuts)	1
21	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F5OX-S)	2
22	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C5OX-S)	1
23	07-003088		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)	2
24	07-065018		WASHER, HELICAL LOCK (1/2")	2
25	01-030900	F01.101	SEAL (Rubber, 4" O.D., 2-1/2" I.D.)	2
26	02-041100		HUB, DRIVE (Identification tag reads " W2B2FZ313 ")	1
27	07-004128		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	4
28	07-061021		WASHER, FLAT (5/8" SAE)	4
29	07-008087		CAP SCREW, SOCKET HEAD (1/2"-13 x 1-3/4", Grade 5)	2

TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 1 OF 4)

PLATE NO. B01.103 **SIMON AERIALS INC.**

REV. 12 DEC., 1995

PART NO.



TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. B01.103

PARTS LIST

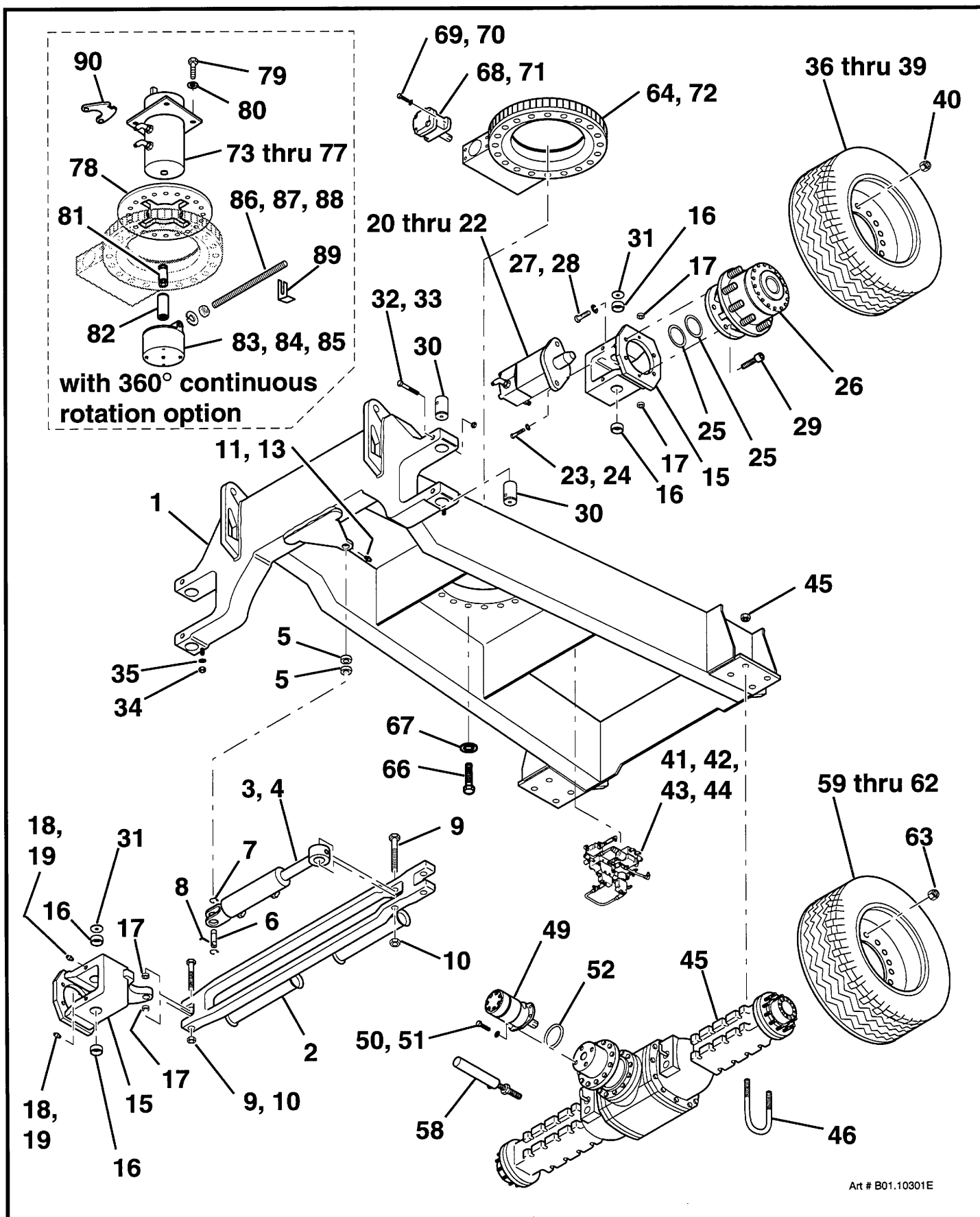
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	219 2390 232 3630		PIN, KING (2" x 4-3/16") except Canada CSA Standards	4
31	08-004200		BEARING, THRUST (2" I.D., 3-5/8" O.D., 3/16" thick)	2
32	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4
33	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4
34	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
35	07-060016		WASHER, FLAT (3/8" SAE) (some earlier versions)	2
	10-005700		WASHER, FENDER (5/16") (some earlier versions)	2
	07-062015		WASHER, FLAT (5/16") (some earlier versions)	2
36			WHEEL AND TIRE ASSEMBLY (for steer and drive axle)	
	353 1610		Liquid ballasted	2
	353 1620		Foam filled	2
37	02-041200		WHEEL (Steer and drive axle) (16-1/2" x 9-3/4")	1
38	02-041600		TIRE (390/ 70-16.5", 12 Ply "Gumbo Monster Mudder". Side wall must be marked " Simon ")	1
39	02-047400		INNER TUBE (use with 390/ 70-16.5" liquid ballasted tire)	1
40	07-098200		NUT, CROWN (5/8"-18, prevailing torque, with flange)	18
41	See Plate . . See Plate . .	C12.102 C12.103	VALVE ASSEMBLY, MOTION CONTROL units without 360° continuous rotation option units with 360° continuous rotation option	1
42	55-000190		VALVE ASSEMBLY, STOP CUSHION	1
43	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
44	07-062015		WASHER, FLAT (5/16")	4
45	See Plate . .	C13.102	AXLE ASSEMBLY, REAR	1
46	07-096800		"U"-BOLT KIT (7/8"-14)	4
47	06-210800		MALE CONNECTOR, STRAIGHT THREAD (#4, M10-1.5 mm, 7/16"-20) (for brake port)	2
48	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2
49	01-224800		MOTOR, HYDRAULIC (18 in ³ [295 c.c.]	1
50	07-012100		CAP SCREW, HEX HEAD (M 12-1.75 x 40 mm, Class 8.8) (hydraulic motor mounting to axle) (comes with axle)	4
51	07-061018		WASHER, FLAT (hydraulic motor mounting to axle) (1/2" SAE, hardened) (comes with axle)	4
52	01-219800		"O"-RING (3-1/4" I.D.)	1
53	07-096300		CAP SCREW, HEX HEAD (5/8"-18 x 1-1/4", Grade 5)	1
54			WASHER (comes with axle)	1
55	10-159000		SHIM (.062" I.D., 1" O.D., .093" thick)	1
56	06-045500		90° ELBOW, "O"-RING TO 37° (12-10 C5OX-S) (comes with axle)	1
57	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12) (comes with axle)	1

TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 2 OF 4)

PLATE NO. B01.103 **SIMON AERIALS INC.**

REV. 12 DEC., 1995

PART NO.



TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. **B01.103**

PARTS LIST

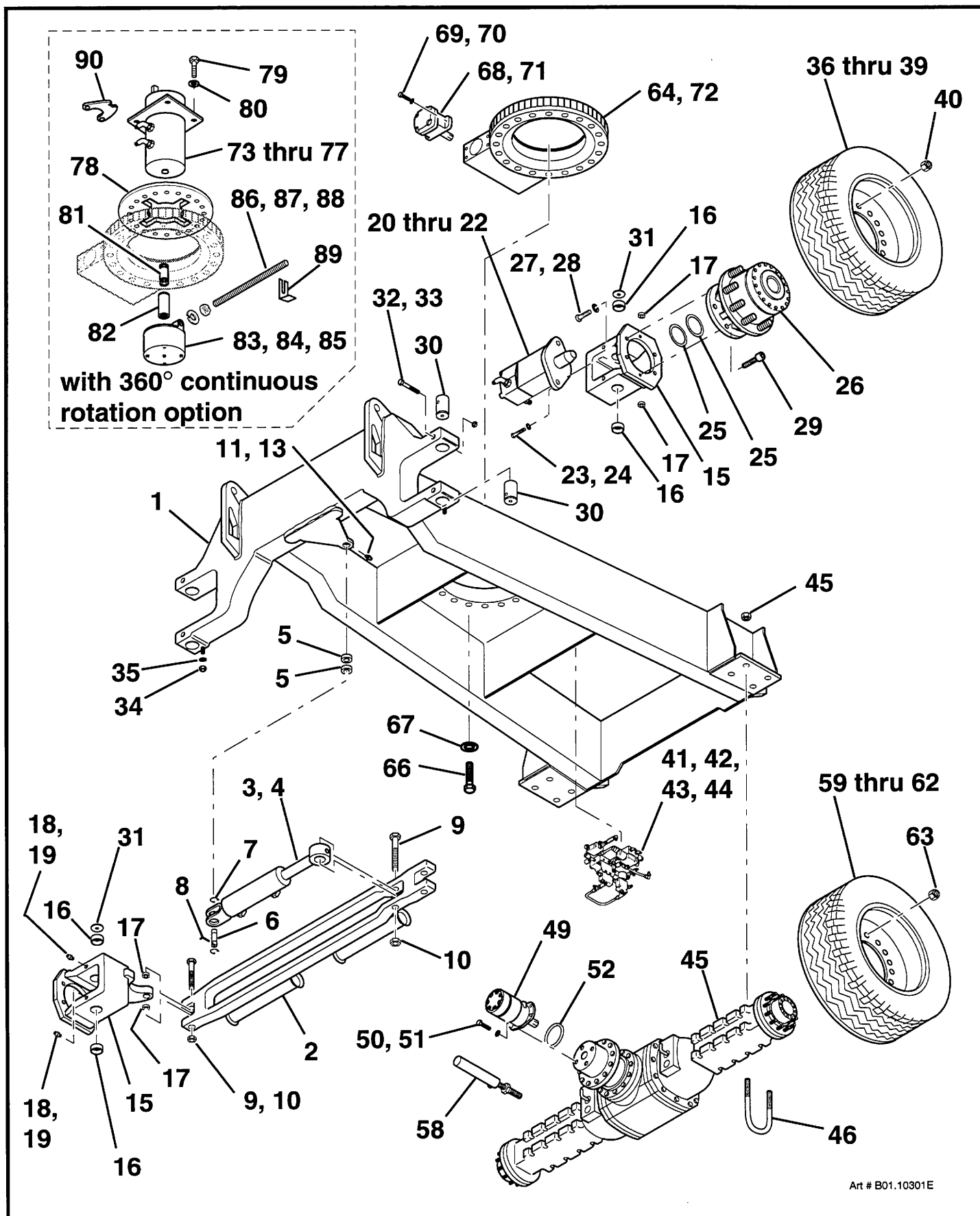
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
58	04-037700	C13.103	CYLINDER, AXLE DISCONNECT	1
59			WHEEL AND TIRE ASSEMBLY (for drive axle)	
	353 3050		Liquid ballasted	2
	353 3060		Foam filled	2
60	02-040300		WHEEL (Drive axle) (16-1/2" x 9-3/4")	1
61	02-041600		TIRE (390/ 70-16.5", 12 Ply "Gumbo Monster Mudder". Side wall must be marked " Simon ")	1
62	02-047400		INNER TUBE (use with 390/ 70-16.5" liquid ballasted tire)	1
63	07-095700		NUT, HEX (Self-locking, M18-1.5)	12
64	08-069000	F02.101	SWING BEARING	1
65	10-126400		LUBRICANT, OPEN GEAR (Caulk tube) (for use on swing gear teeth)	A.R.
66			CAP SCREW, HEX HEAD for units without 360° continuous rotation option: 5/8"-11 x 3-1/2", Grade 8	20
	07-004135		for units with 360° continuous rotation option: 5/8"-11 x 4-1/2", Grade 8	18
	07-004138		5/8"-11 x 5", Grade 8	2
67	07-061021		WASHER, FLAT (5/8" SAE)	20
68	01-210200	D06.101	MOTOR, HYDRAULIC (10 in ³ [164 c.c.]	1
69	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
70	07-065018		WASHER, HELICAL LOCK (1/2")	2
71	06-040000		ADAPTER, "O"-RING TO 37° (6-10 F5OX-S)	2
72	11-085700		NIPPLE, PIPE (1/8" x 5-1/2", for swing bearing lubrication)	1
73	04-008700	D02.01	SWIVEL, HYDRAULIC (with 360° continuous rotation option)	1
74			ADAPTER, "O"-RING TO 37° Earlier versions (12-16 F5OX-S)	2
	06-041100		Later versions (16 F5OX-S)	
75	06-041400		90° ELBOW, "O"-RING TO 37° 12-16 C5OX-S (Earlier versions)	2
	06-045600		16 C5OX-S (Later versions)	
76	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	5
77	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	3
78	230 7500		PLATE, HYDRAULIC SWIVEL MOUNTING	1
79	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	4
80	07-065018		WASHER, HELICAL LOCK (1/2")	4
81	11-020010		NIPPLE, PIPE (3/4" NPT x 2")	1
82	206 7559		ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL	1

TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 3 OF 4)

PLATE NO. B01.103 **SIMON AERIALS INC.**

REV. 12 DEC., 1995

PART NO.



Art # B01.10301E

TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 3 OF 4)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
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PLATE
NO. **B01.103**

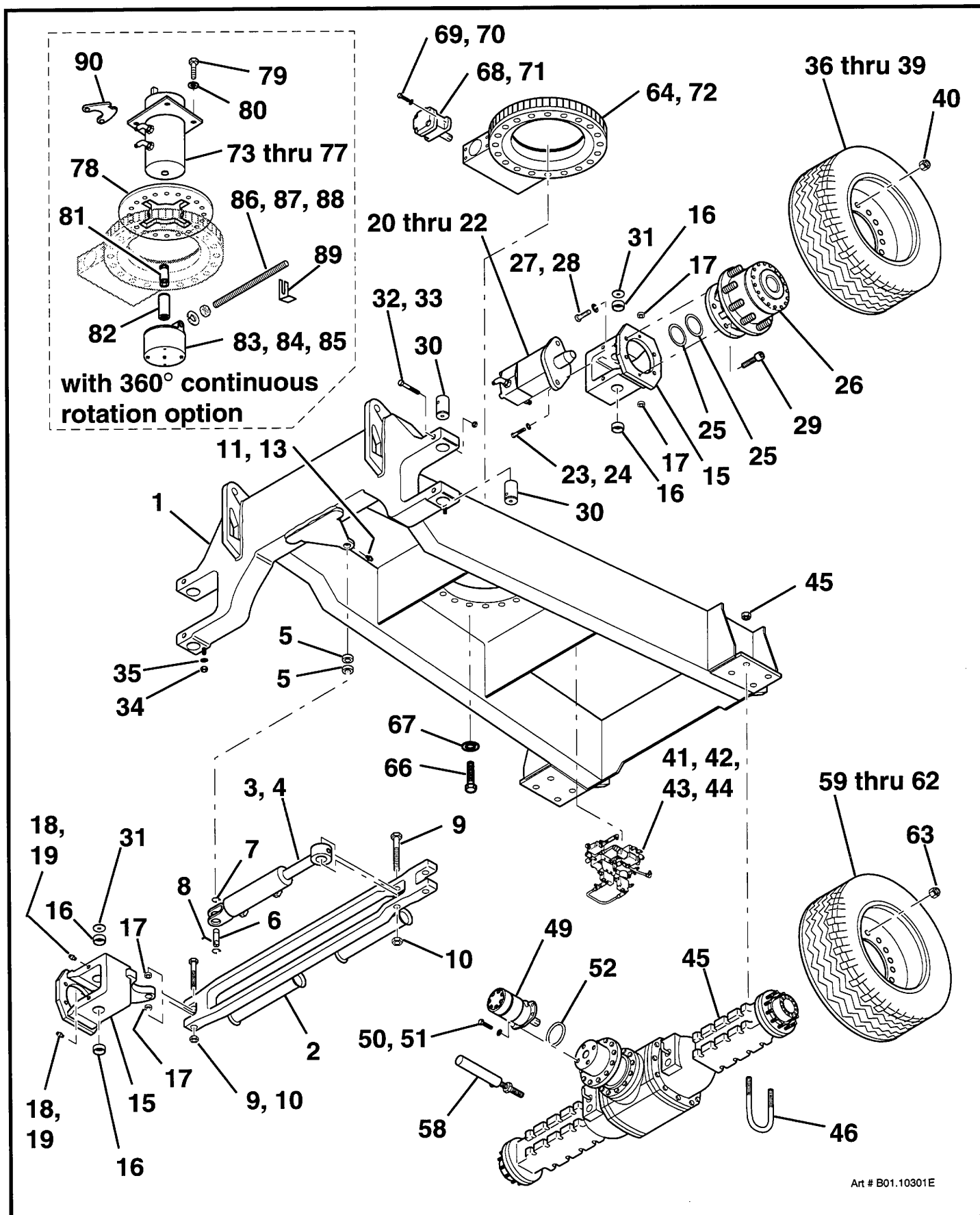
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TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 4 OF 4)

PLATE NO. B01.103	SIMON AERIALS INC.	REV. 12 DEC., 1995
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PART NO.	
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TITLE UNDERCARRIAGE ASSEMBLY; RP 46 (4WD), T 50, T 60 (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
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PLATE
NO. B01.103

PARTS LIST

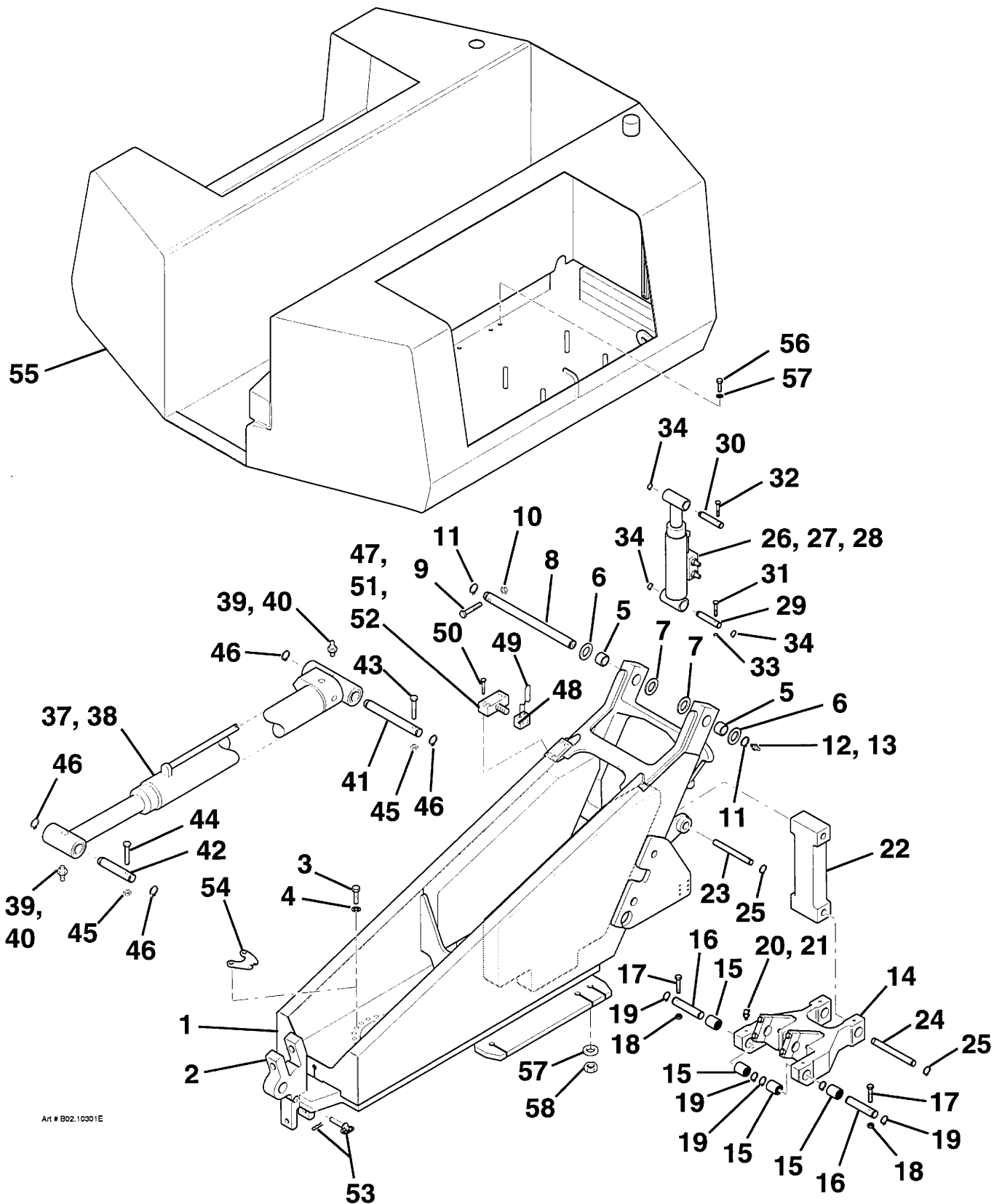
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 0610 Call Simon		SUPERSTRUCTURE ASSEMBLY with standard Ford LSG 423 liquid cooled gas engine with engines not listed above	1
1	230 2870		PYLON WELDMENT, SUPERSTRUCTURE	1
2	231 3050		BRACKET, BOOM LOCK (on some units) . . . or . . .	
	231 7320	shown	BRACKET, BOOM AND SWING LOCK (on some units)	1
3	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8)	23
4	07-061021		WASHER, FLAT (5/8" SAE)	23
5	08-069200		BEARING, SLEEVE (2" I.D., 2-3/8" O.D., 2-1/2" long)	2
6	07-094400		BUSHING, WIDE RIM (2-1/8" I.D., 3-5/8" O.D., #10 Ga.)	2
7	08-004200		BEARING, THRUST (2-1/32" I.D., 3-5/8" O.D., 3/16" thick)	2
8	231 3670		PIN, BOOM PIVOT (2" x 19-3/8") (replaces 230 2500)	1
9	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
10	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
11	08-041100		RING, RETAINING (2")	2
12	08-050000		FITTING, GREASE (1/8", straight)	2
13	08-066300		CAP, GREASE FITTING (White plastic)	2
14	231 5610		ARM, LIFT CYLINDER MOUNTING	1
15	08-071400		BEARING, NEEDLE (1-1/2" I.D.)	4
16	231 3680		PIN, LIFT CYLINDER MOUNTING ARM (1-1/2" x 5-5/8") (replaces 230 3450)	2
17	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	2
18	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
19	08-040900		RING, RETAINING (1-1/2", external)	4
20	08-051300		FITTING, GREASE (1/8", 90°)	4
21	08-066300		CAP, GREASE FITTING (White plastic)	4
22	234 0710		BRACE, LIFT CYLINDER MOUNTING ARM	1
23	234 4670		PIN, MOUNTING ARM BRACE (Upper) (1-1/4" x 9-3/4") (replaces 234 0750)	1
24	234 4660		PIN, MOUNTING ARM BRACE (Lower) (1-1/4" x 11") (replaces 234 0760)	1
25	08-040700		RING, RETAINING (1-1/4", external)	4
26	04-032600	D10.101	CYLINDER, MASTER LEVEL	1
27	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	2
28	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
29	231 3600		PIN, MASTER CYLINDER (1-1/4" x 13-15/16") (Base end) (replaces 219 2550)	1
30	231 3610		PIN, MASTER CYLINDER (1-1/4" x 5-9/16") (Rod end) (replaces 219 0580)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 1 OF 9)

PLATE NO. B02.103 **SIMON AERIALS INC.**

NEW 11 JAN., 1996

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 1 OF 9)

SIMON AERIALS INC.

NEW 11 JAN., 1996

PART
NO.

PLATE
NO. B02.103

PARTS LIST

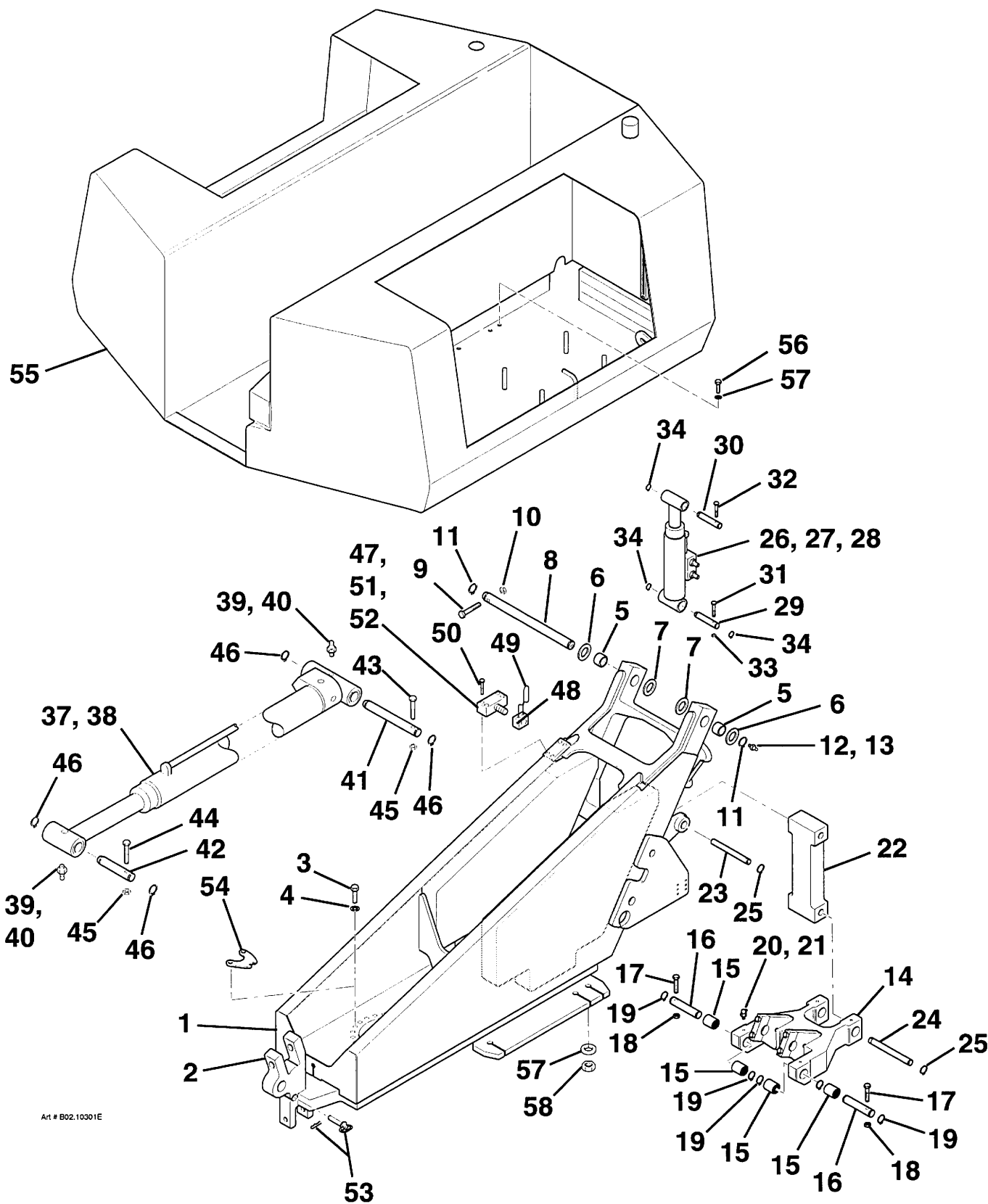
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
32	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
33	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
34	08-040700		RING, RETAINING (1-1/4")	4
35	08-051300		FITTING, GREASE (1/8", 90°)	3
36	08-066300		CAP, GREASE FITTING (White plastic)	3
37	See Plate . .	D09. - -	CYLINDER, BOOM LIFT	1
38	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	2
39	08-050000		FITTING, GREASE (1/8", straight)	2
40	08-066300		CAP, GREASE FITTING (White plastic)	2
41	231 3640		PIN, LIFT CYLINDER (1-3/4" x 7-5/8") (Base end) (replaces 230 3460)	1
42	231 3650		PIN, LIFT CYLINDER (1-3/4" x 11") (Rod end) (replaces 230 2470)	1
43	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
44	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
45	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
46	08-041000		RING, RETAINING (1-3/4", external)	4
47	03-493800		SWITCH, LIMIT (Side rotary)	1
48	03-494100		MOUNT, LIMIT SWITCH ARM (Nylon loop)	1
49	230 1360		ARM, LIMIT SWITCH (Stainless steel)	1
50	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2
51	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1
52	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item. 15 Ft [4.6 M] required this application)	A.R.
53	07-080004		PIN, SWIVEL LOCK (includes cotter pin)	1
54	231 1610		PLATE, SWIVEL LOCK (with 360° continuous rotation option)	1
55			ENGINE MODULE WELDMENT (Note: Modification is required for all engine applications below. Ref. 234 1060)	1
	232 9850		with standard Ford LSG 423 liquid cooled gas engine	
	232 9860		with optional Wisconsin W4-1770 air cooled gas engine	
	232 9880		with optional Wisconsin V-465 air cooled gas engine	
	234 2690		with optional Deutz F3L 1011 air cooled Diesel engine	
	232 9870		with optional Deutz F4L 1011 air cooled Diesel engine	
	231 9390		with optional Isuzu C-240 liquid cooled Diesel engine	
	Call Simon		with engines not listed above	
56	07-004152		CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)	8
57	07-061022		WASHER, FLAT (3/4" SAE)	16
58	07-050022		NUT, STOP (3/4"-10, Grade 5)	8

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 2 OF 9)

PLATE NO. B02.103 **SIMON AERIALS INC.**

NEW 11 JAN., 1996

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 2 OF 9)

SIMON AERIALS INC.

NEW 11 JAN., 1996

PART
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PLATE
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
59	231 8710		COVER, BULKHEAD (with Wisconsin engine)	1
	230 1850		COVER, BULKHEAD (with Deutz engine)	1
60			AIR DUCT, ENGINE (with Hatz engine)	1
	230 2820	shown	to fit earlier engine style	
	233 3580		to fit later engine style	
61	230 7750		STRIP, ENGINE BULKHEAD (Steel) (with Ford engine)	3
62	230 7730		SEAL, ENGINE BULKHEAD (Side, with Ford engine) (Neoprene, 4" x 27" x 1/4")	2
	230 7740		SEAL, ENGINE BULKHEAD (Top, with Ford engine) (Neoprene, 4" x 26" x 1/4")	1
	231 8690		SEAL, ENGINE BULKHEAD (with Wisconsin engine)	1
63	07-044014		NUT, ACORN (1/4"-20, low crown, stainless steel)	8
64	07-062014		WASHER, FLAT (1/4")	8
65	See Index	C04. - -	ENGINE ASSEMBLY	1
66	03-010001		BATTERY (12 Volt DC, 95 Amp)	1
67	10-112900		PROTECTOR, BATTERY (Neoprene, 7" x 11" x 1/8")	1
68			TRAY, BATTERY (Later version, mounted to studs on hydraulic tank. On earlier versions, tray is welded to tank.)	1
	232 0250		has formed mounting flanges	
	233 7600		has welded mounting flanges and battery splitter studs	
69	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	3
70	07-062016		WASHER, FLAT (3/8")	3
71	03-064300		HOLD DOWN, BATTERY	1
72	07-090111		"J"-BOLT (includes Wing Nut)	2
73			CABLE, BATTERY (Positive)	
	03-074000		with Ford engine Black, 9-3/4" (25 cm) long	1
	03-074100		Red, 49" (1.24 M) long	1
	03-072400		Red, 75" (1.9 M) long	1
	03-701700		with Wisconsin engine Black, 16" (41 cm) long	2
	03-701600		Red, 34" (.86 M) long	2
	03-701800		Red, 50" (1.27 M) long	1
	03-465700		except Ford engine Red, 78" (2.0 M) long	1
74	03-070100		CABLE, BATTERY (Negative) (Black, 12" [30 cm] long)	1
75	01-014000	D11.03	FILTER, HYDRAULIC (Pressure line) (Deck mounted) (for earlier versions, with John Deere Pump)	1
76	01-014005		ELEMENT, FILTER (3 micron, paper)	
77	06-092500		REDUCER/ EXPANDER (24-12 F5O G5-S)	2
78	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S)	1
79	06-045400		90° ELBOW, "O"-RING TO 37° (12 C5OX-S)	1
80	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
81	07-062016		WASHER, FLAT (3/8")	4
82	10-002600		WASHER, FENDER (1/2" I.D., 2" O.D.)	4
83	10-086500		WASHER, RUBBER (1/2" I.D., 2" O.D.)	4

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 3 OF 9)

PLATE NO. B02.103 **SIMON AERIALS INC.**

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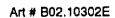
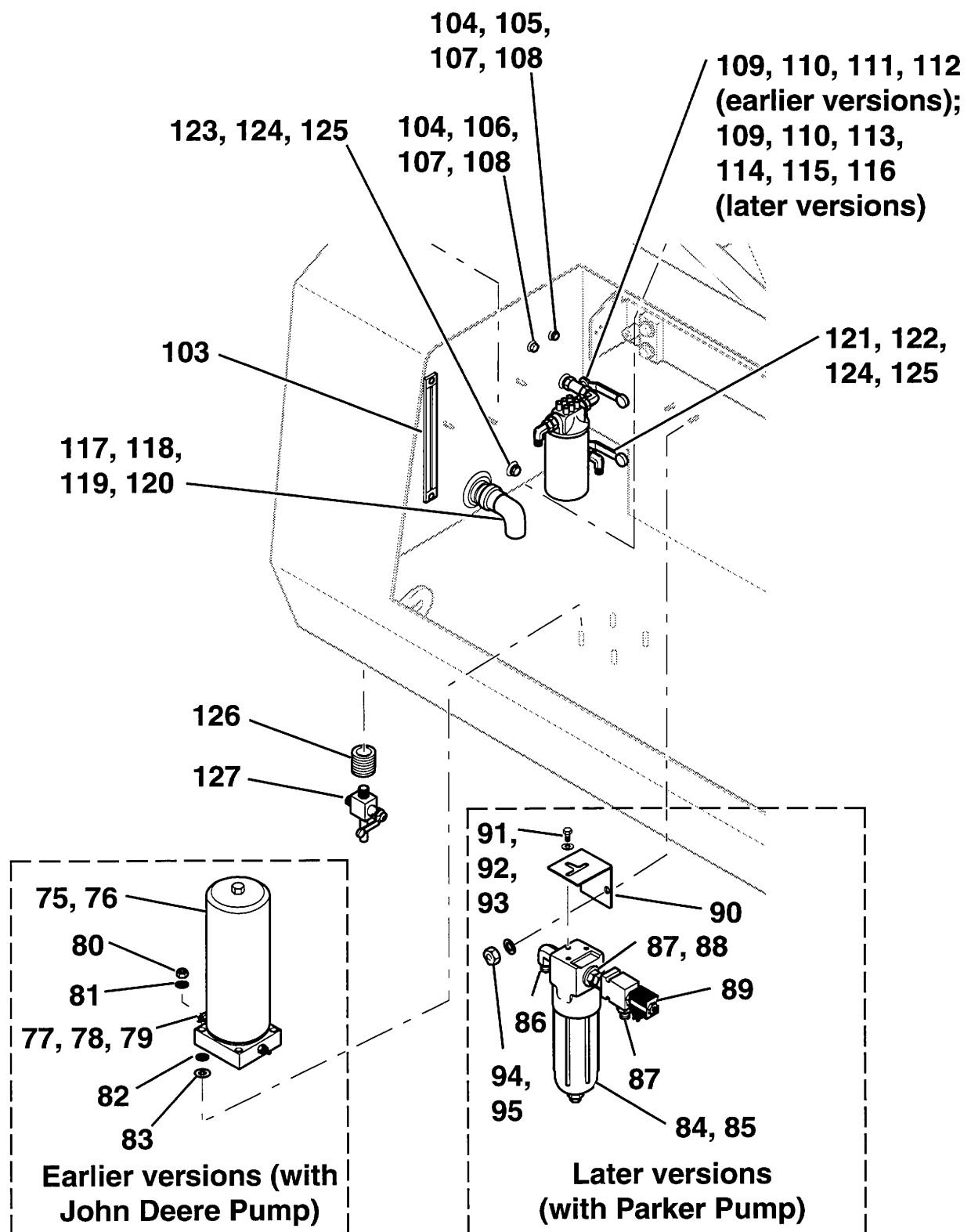


PLATE NO. B02.103

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
84	01-237500		FILTER, HYDRAULIC (High pressure, in line, 6000 PSI, non-bypass) (for later versions, with Parker Pump)	1
85	01-237501		ELEMENT, FILTER	1
86	06-045800		90° ELBOW, "O"-RING TO 37° (16 C5OX-S)	1
87	06-041400		ADAPTER, "O"-RING TO 37° (16 F5OX-S)	2
88	06-215200		CONNECTOR, SWIVEL NUT (16 F65OX-S)	1
89	01-239400		VALVE, PRESSURE SHUTOFF	1
90	235 3270		BRACKET, HYDRAULIC FILTER MOUNTING	1
91	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	3
92	07-062016		WASHER, FLAT (3/8")	3
93	07-065016		WASHER, HELICAL LOCK (3/8")	3
94	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	2
95	07-062018		WASHER, FLAT (1/2")	2
96	01-224900	D07.101	PUMP, EMERGENCY HYDRAULIC (Heavy duty, 12 Volt DC electric motor)	1
97	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
98	06-045100		90° ELBOW, "O"-RING TO 37° (10-8 C5OX-S)	1
99	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
100	07-062016		WASHER, FLAT (3/8")	2
101	07-065016		WASHER, HELICAL LOCK (3/8")	2
102	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1
103	10-033800	D12.05	GAUGE, SIGHT (14" [35.6 cm] long)	1
			Fittings for hydraulic tank, 1/4" NPT upper ports:	
104	06-076900		LONG REDUCER/ EXPANDER, PIPE THREAD (1/4 FF-S)	2
105	06-000700		CONNECTOR, MALE 37° TO NPT (6 FTX-S) (with Wisconsin or Deutz engines)	1
106	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S) (with Wisconsin or Deutz engines)	1
107	01-032800		earlier versions: VALVE, BALL (Shutoff valve, 1/4" NPT)	2
	01-032800		later versions VALVE, BALL (Shutoff valve, 1/4" NPT)	1
	01-020800		VALVE, CHECK	1
	06-000700		CONNECTOR, MALE 37° TO NPT (6 FTX-S)	1
	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
108			earlier versions:	
	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) later versions	2
	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 4 OF 9)				
PLATE NO.	B02.103	SIMON AERIALS INC.		PART NO.
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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 4 OF 9)

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PARTS LIST

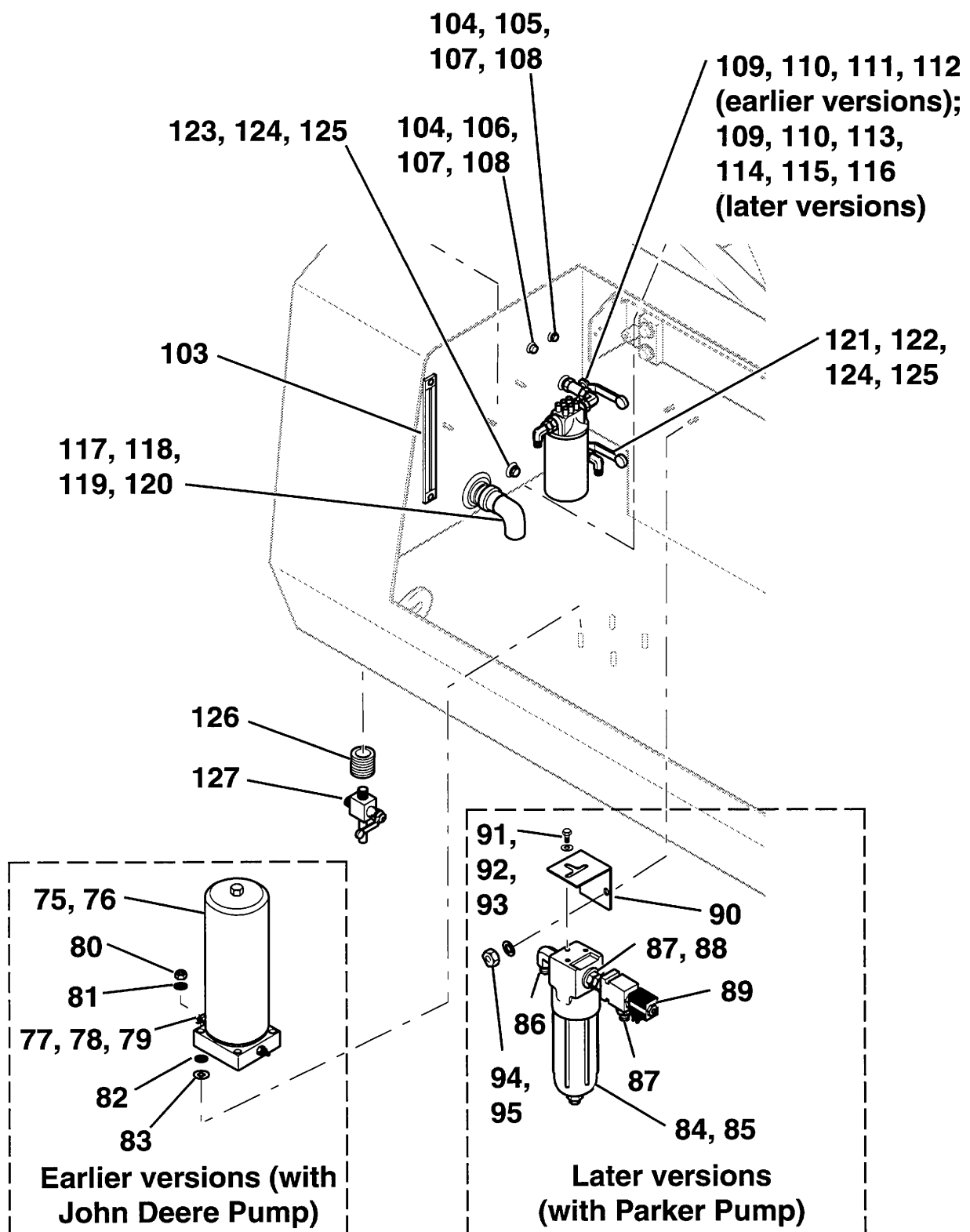
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
Fittings for hydraulic tank, upper 1" NPT port:				
109	11-020014		CLOSE NIPPLE (1" NPT)	1
110	01-068500		VALVE, BALL (Shutoff valve, 1" NPT)	1
111	06-002000		earlier versions, with John Deere Pump (not shown): CONNECTOR, MALE 37° TO NPT (12-16 FTX-S)	1
112	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
113	06-005200		later versions, with Parker Pump (shown): 90° ELBOW, MALE 37° TO NPT (16 CTX-S)	1
114	06-215200		CONNECTOR, SWIVEL NUT (16 F65OX-S)	1
115	01-238000		FILTER, HYDRAULIC (Return line)	1
116	01-238001		CANISTER, FILTER (with 10 micron element)	1
Fittings for hydraulic tank, lower 1-1/2" NPT port:				
117	11-071500		REDUCER, BELL (1-3/4" NPT to 1-1/2" NPT)	1
118	01-063000		VALVE, BALL (Shutoff valve, 1-1/2" NPT)	1
119	11-050023		90° STREET ELBOW (1-1/2")	
120	06-191500		(two needed with Ford engine, one on all others) CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D., 1-1/2" long)	A.R. 1
Fittings for hydraulic tank, two smaller lower ports:				
121	11-062000		BUSHING, REDUCER (1" to 3/4" NPT)	1
122	11-020018		CLOSE NIPPLE (3/4" NPT, 1-3/8" long)	1
123	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
124	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	2
125	06-004900		90° ELBOW, MALE 37° TO NPT (12 CTX-S)	2
Fittings for hydraulic tank, drain port:				
126	11-062100		BUSHING, REDUCER (2" NPT to 1/2" NPT)	1
127	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 5 OF 9)

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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 5 OF 9)

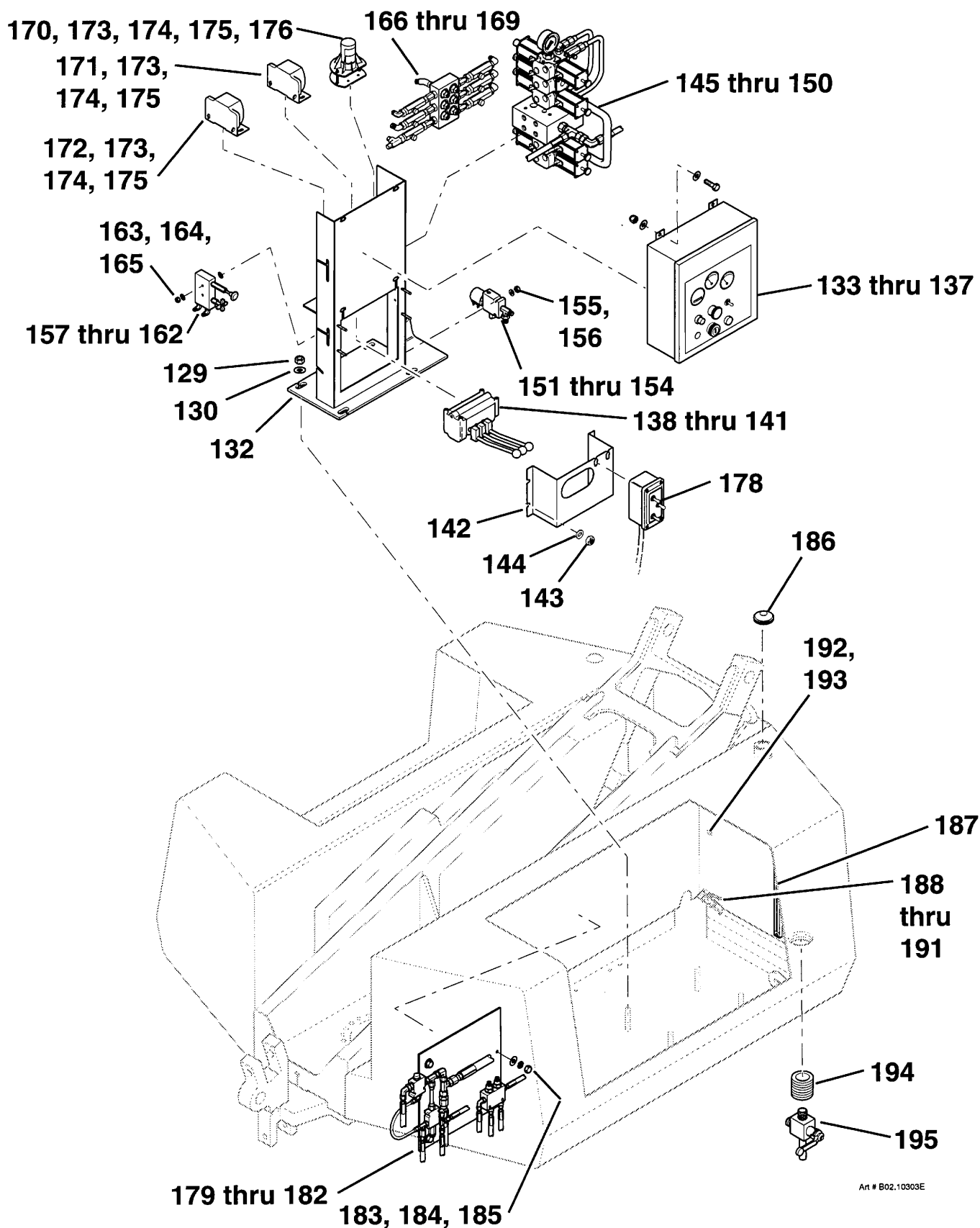
SIMON AERIALS INC.

NEW 11 JAN., 1996

PART
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
128	353 1880 Call Simon		HOSE KIT, SUPERSTRUCTURE with standard Ford LSG 423 liquid cooled gas engine with engines not listed above	1
129	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
130	07-062016		WASHER, FLAT (3/8")	4
131	354 1210		GROUND PANEL ASSEMBLY	1
132	230 8400	C03. - -	BRACKET, GROUND CONTROL	1
133	See Index		PANEL ASSEMBLY, GROUND ELECTRICAL	1
134	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
135	07-062015		WASHER, FLAT (5/16")	4
136	07-062014		WASHER, FLAT (1/4")	4
137	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
138	353 0350	C02.102	GROUND VALVE ASSEMBLY	1
139	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
140	07-062015		WASHER, FLAT (5/16")	4
141	07-065015		WASHER, HELICAL LOCK (5/16")	4
142	219 9940		COVER, GROUND CONTROLS	1
143	07-062014		WASHER, FLAT (1/4")	4
144	07-050014	C02.105	NUT, HEX LOCK (1/4"-20, Grade 5)	4
145	353 2740		MANIFOLD ASSEMBLY	1
146	01-226000		FILTER ASSEMBLY, SCREW-ON	1
147	01-226001		ELEMENT, FILTER	1
148	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5)	4
149	07-058400		NUT, LOCK (1/2"-13)	4
150	07-062018		WASHER, FLAT (1/2")	4
151	01-093500		VALVE, SOLENOID (Dump valve)	1
152	01-093501		COIL, SOLENOID VALVE	1
153	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S)	1
154	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
155	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
156	07-062014		WASHER, FLAT (1/4")	4
157	01-209800		MANIFOLD, BRAKE RELEASE	1
158			BODY, VALVE	1
159	01-209801		VALVE, NEEDLE	1
160			PUMP, HAND	1
161	01-209802		SEAL KIT, HAND PUMP	1
162	06-047000		45° ELBOW, STRAIGHT THREAD (6 V5OX-S)	2
163	07-003030		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/4", Grade 5)	2
164	07-062015		WASHER, FLAT (5/16")	2
165	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 6 OF 9)				
PLATE NO.	B02.103	SIMON AERIALS INC.		PART NO.
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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 6 OF 9)

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PARTS LIST

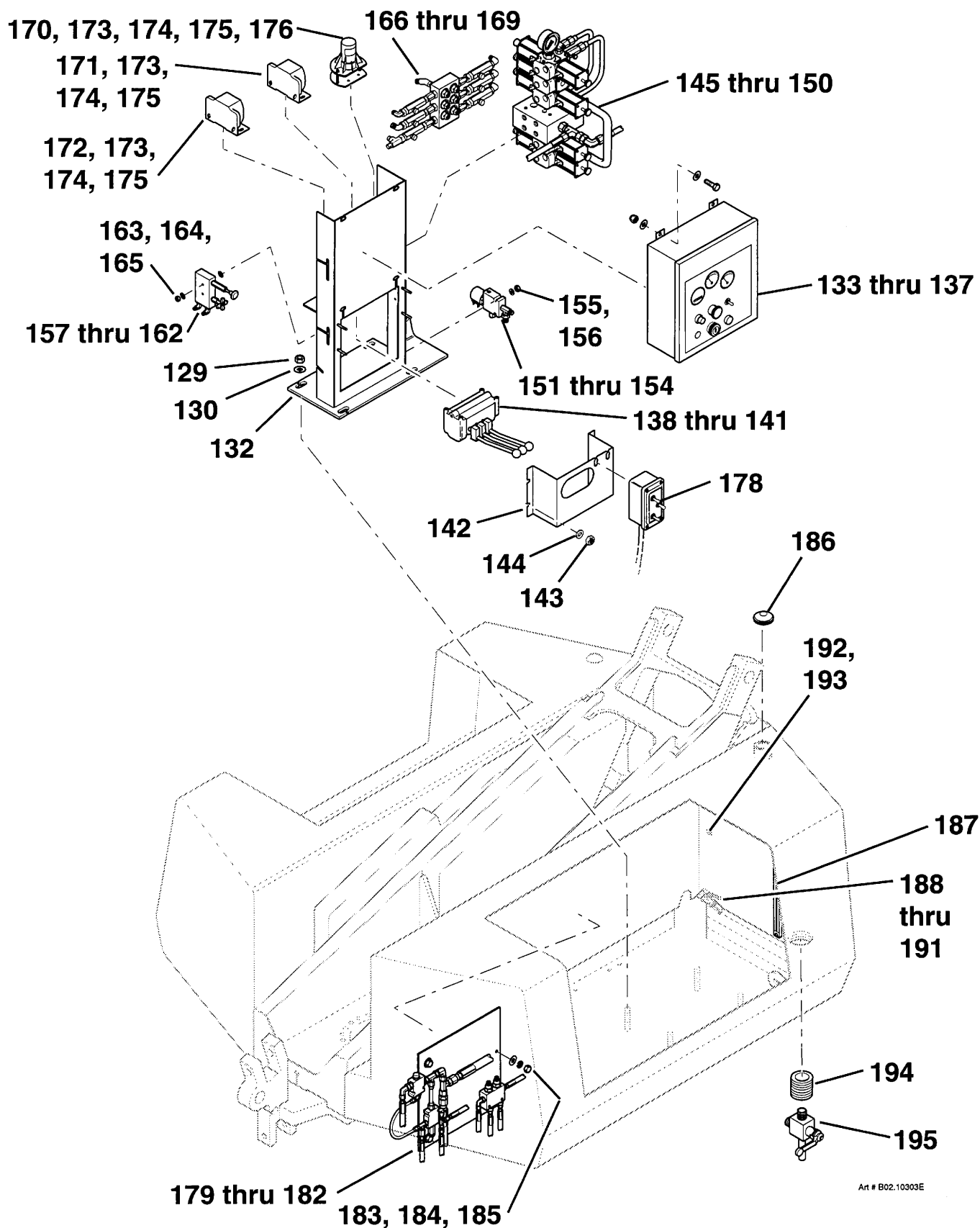
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
166	354 1200	C02. - -	GROUND PANEL ASSEMBLY (continued)	
167	07-003009		SHUTTLE VALVE ASSEMBLY	1
168	07-062014		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
169	07-050014		WASHER, FLAT (1/4")	4
170	03-038100		NUT, STOP (1/4"-20, Grade 5)	2
	03-487100		SENSOR, LEVEL (4.5°, 2 second delay) (use 03-487100)	1
171	03-464600		SENSOR, LEVEL (supercedes 03-038100)	1
172	03-472000		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
173	07-003004		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
174	07-050014		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	6
175	07-062014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
176	07-111600		WASHER, FLAT (1/4")	6
177	353 3940		WASHER, EXTERNAL TOOTH (1/4")	2
178	352 9370	C06.06	HOSE KIT, GROUND CONTROL	1
179	See plate . .	C12. - -	PENDANT, REMOTE CONTROL	1
180	01-219400		VALVE SUBASSEMBLY	1
181	01-215800		VALVE, DIRECTIONAL	1
182	01-219100		VALVE, DIRECTIONAL	1
183	07-040018		VALVE, DUAL COUNTERBALANCE	1
184	07-065018		NUT, HEX (1/2"-13, Grade 5)	3
185	07-062018		WASHER, HELICAL LOCK (1/2")	3
186	10-001900		WASHER, FLAT (1/2")	3
187	10-033800	D12.05	CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
188	06-082500		GAUGE, SIGHT [14" (35.6 cm) long]	1
189	01-032800		90° ELBOW, MALE PIPE THREAD (4 CR-S)	1
190	06-080200		VALVE, BALL (Shutoff valve, 1/4" NPT)	1
191	11-050403		90° STREET ELBOW (1/4 CD-S)	1
192	11-075400		FITTING, HOSE	
	06-080200		(Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
193	11-050401		PLUG, SQUARE HEAD (1/4" NPT) (except Diesel engine)	1
			90° STREET ELBOW (1/4 CD-S) (with Diesel engine)	1
194	11-062100		FITTING, HOSE (with Diesel engine)	
195	01-015800		(Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
196	11-085700		BUSHING, REDUCER (2" NPT to 1/2" NPT)	1
197	06-084600		DRAIN COCK (Brass, 1/2" NPT)	1
198	11-085600		NIPPLE, PIPE (1/8" NPT x 5-1/2" [141 mm] long)	1
199	11-040023		90° ELBOW, FEMALE PIPE THREAD (1/8 DD-S)	1
			NIPPLE, PIPE (1/8" NPT x 10-1/2" [270 mm] long)	1
			COUPLING, PIPE (1/8" NPT, long)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 7 OF 9)

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Art # B02.10303E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 7 OF 9)

SIMON AERIALS INC.

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PARTS LIST

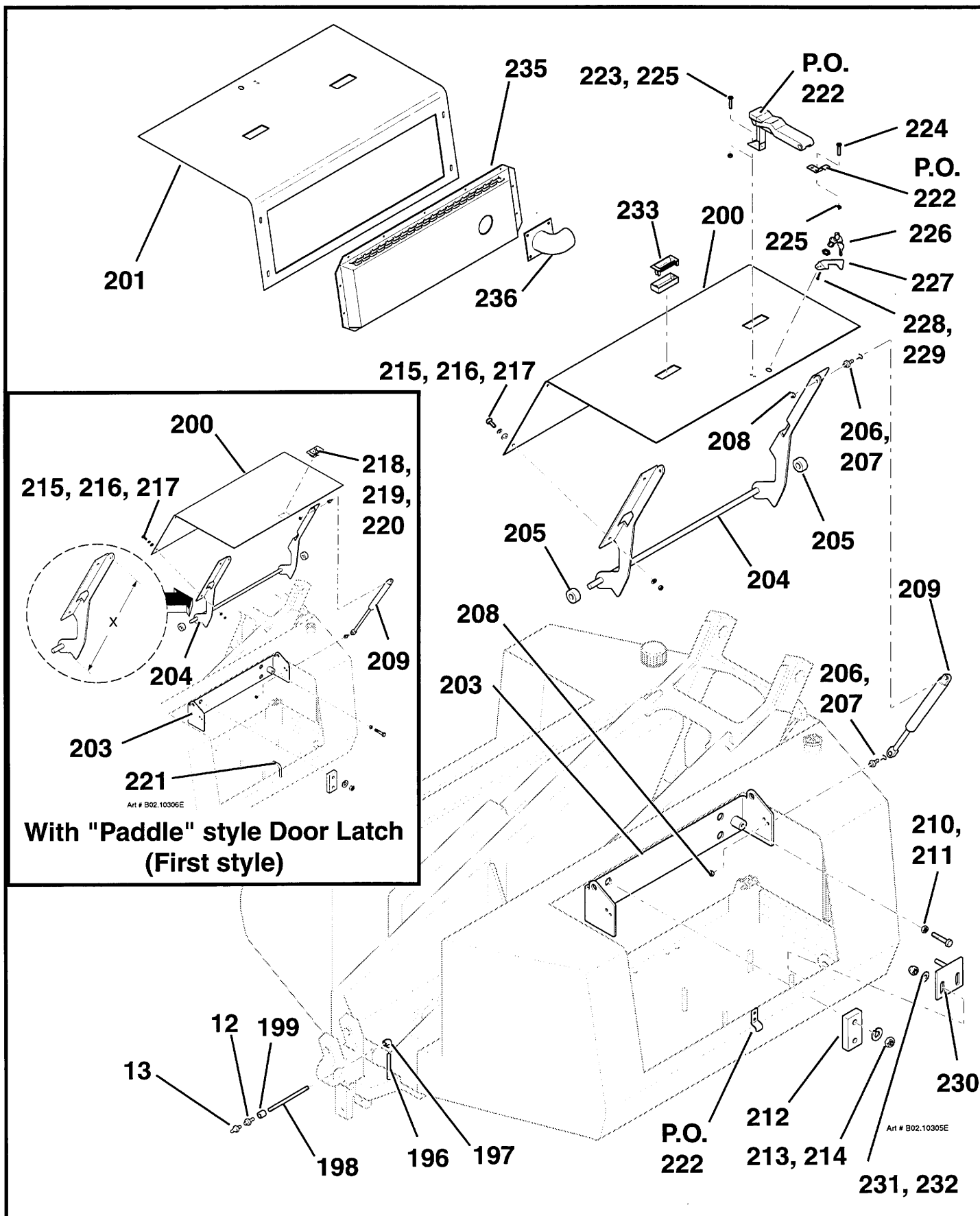
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
200	230 3210 232 3660		DOOR (right, control side) First type (with paddle latch, no key lock) Second type (with draw latch and separate key lock)	1
201	230 3220 232 3670		DOOR (left, engine side) First type (with paddle latch, no key lock) Second type (with draw latch and separate key lock)	1
202	219 6030		HINGE ASSEMBLY, DOOR Earlier style (Obsolete , superceded by later design) (To identify: Dim. "X" on Door Bracket = 18.01" [.457 M]. Gas Spring is mounted with rod end up .) Later style (Supercedes earlier design): (To identify: Dim. "X" on Door Bracket = 17.50" [.444 M]. Gas Spring is mounted with rod end down .)	2
	232 8850 232 8860		Right hand Left hand	1 1
203	219 8470 232 8810		BRACKET, HINGE For earlier style hinge assembly For later style hinge assembly	1
204	219 8500 232 8840		BRACKET, DOOR For earlier style hinge assembly ("X" = 18.01" [.457 M]) For later style hinge assembly ("X" = 17.50" [.444 M])	1
205	08-069900		COLLAR, "CLAMP-TITE" (3/4" I.D., one piece, steel)	2
206	10-138400		STUD, BALL (.39" dia.) First type, used without Safety Clip (For replacement, use later style)	4
207	10-225200 10-225300		Second type, must be used with Safety Clip, below. CLIP, SAFETY (required for second type Ball Stud)	4
208	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
209	10-138300		SPRING, GAS (Gas cylinder) First type (250 Lb [113 Kg] force, 20.2" [51.2 cm] extended, 12.4" [31.5 cm] retracted)	2
	10-225100		Second type (19" [48.3 cm] extended, 13.3" [33.6 cm] retracted)	
210	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	1
211	07-047018		NUT, JAM (1/2"-13, Grade 5)	1
212	219 5600		PLATE, DOOR MOUNT	4
213	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
214	07-065018		WASHER, HELICAL LOCK (1/2")	8

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 8 OF 9)

PLATE NO. B02.103 **SIMON AERIALS INC.**

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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 8 OF 9)

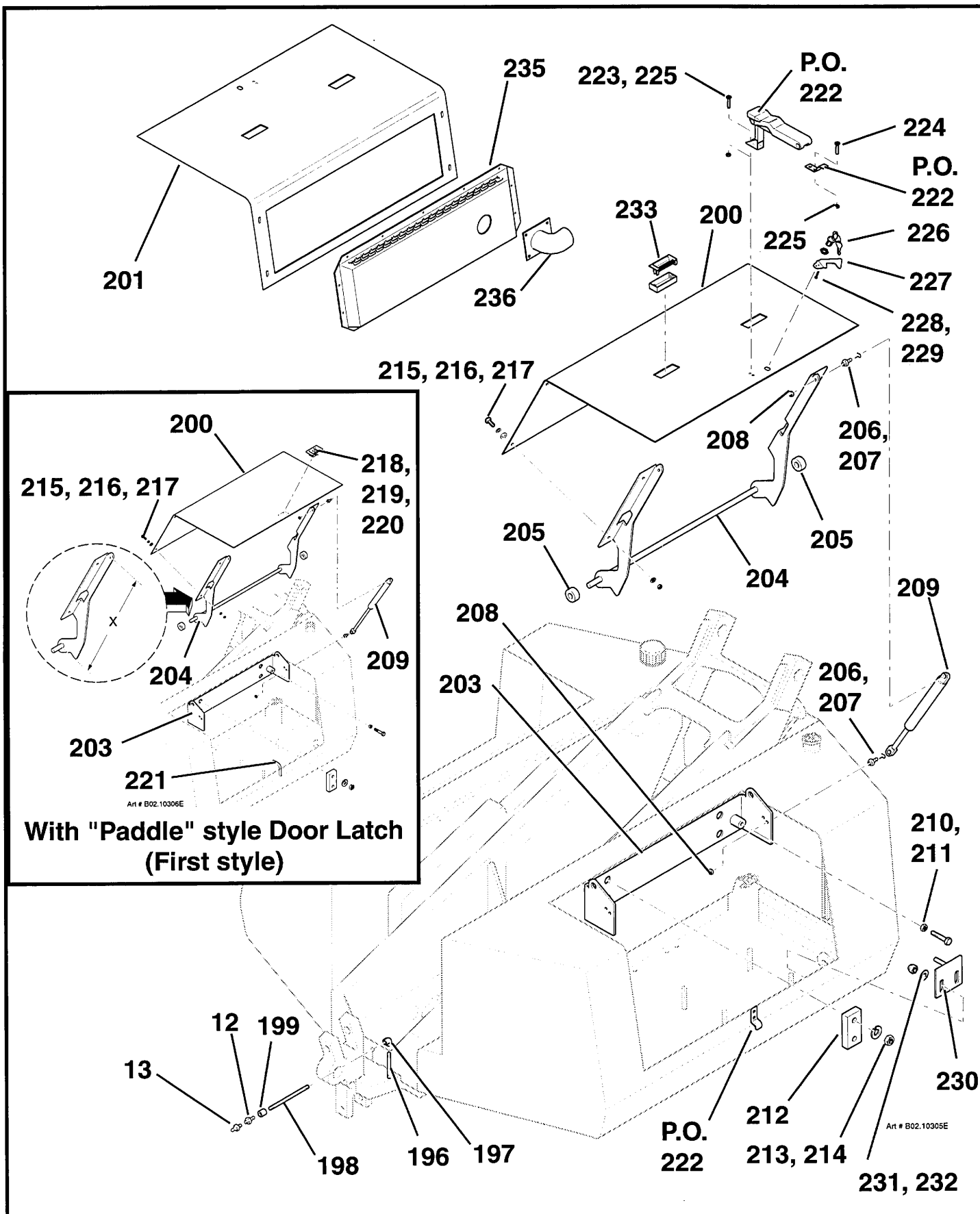
SIMON AERIALS INC.

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PART
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
215	07-017022		CAP SCREW, BUTTON HEAD 5/16"-18 x 5/8", Grade 5 (for earlier style hinge assembly)	8
	07-017025		5/16"-18 x 1", Grade 5 (for later style hinge assembly)	
216	07-062015		WASHER, FLAT (5/16")	8
217	07-065015		WASHER, HELICAL LOCK (5/16")	8
218	230 1540		LATCH, DOOR ("Paddle" style, first type)	2
219	07-096100		CAP SCREW, BUTTON HEAD (#8-32 x 3/4", Stainless)	8
220	07-096200		NUT, LOCK (#8-32, stainless, with nylon insert)	8
221	230 3780		BRACKET, LATCH (for first type latch)	2
222	10-223000		LATCH, DRAW (Rubber, includes latch and hook)	2
223	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4", Grade 2)	4
224	07-013414		MACHINE SCREW, ROUND HEAD (#10-32 x 1/2", Grade 2)	4
225	07-050111		NUT, LOCK (#10-32, Grade 2, with nylon insert)	8
226	10-223100		LOCK, DOOR (Key operated. Includes two keys. Includes latch pawl and screws which can be discarded.)	2
227	234 1810		PAWL, KEY LOCK LATCH	2
228	07-112500		MACHINE SCREW, PAN HEAD CROSS RECESS (#4-40 x 3/8", with internal tooth lock washer)	4
229	07-062003		WASHER, FLAT (#4)	4
230	232 9440		BRACKET, KEY LOCK CATCH	2
231	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
232	07-062014		WASHER, FLAT (1/4")	8
233	10-222900		HANDLE, POCKET PULL (includes attaching parts)	4
234	11-085800		STRIP, DOOR GASKET (Bulk item, order as needed) (30 Ft [9.1 M] needed this application)	A.R.
235	231 3310		PAGODA, ENGINE DOOR with Ford engine	1
	231 9690		with Wisconsin engine	
	231 8910		with Deutz engine	
	232 0750		with Isuzu engine	
	Call Simon		with engines other than those listed above	
236	219 9920		OUTLET, ENGINE EXHAUST	1
237	07-029365		SCREW, TEK (#12-14 x 1" self tap, bonded sealing head)	18
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 9 OF 9)				
PLATE NO.	B02.103	SIMON AERIALS INC.		PART NO.
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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 50 (PLATE 9 OF 9)

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PARTS LIST

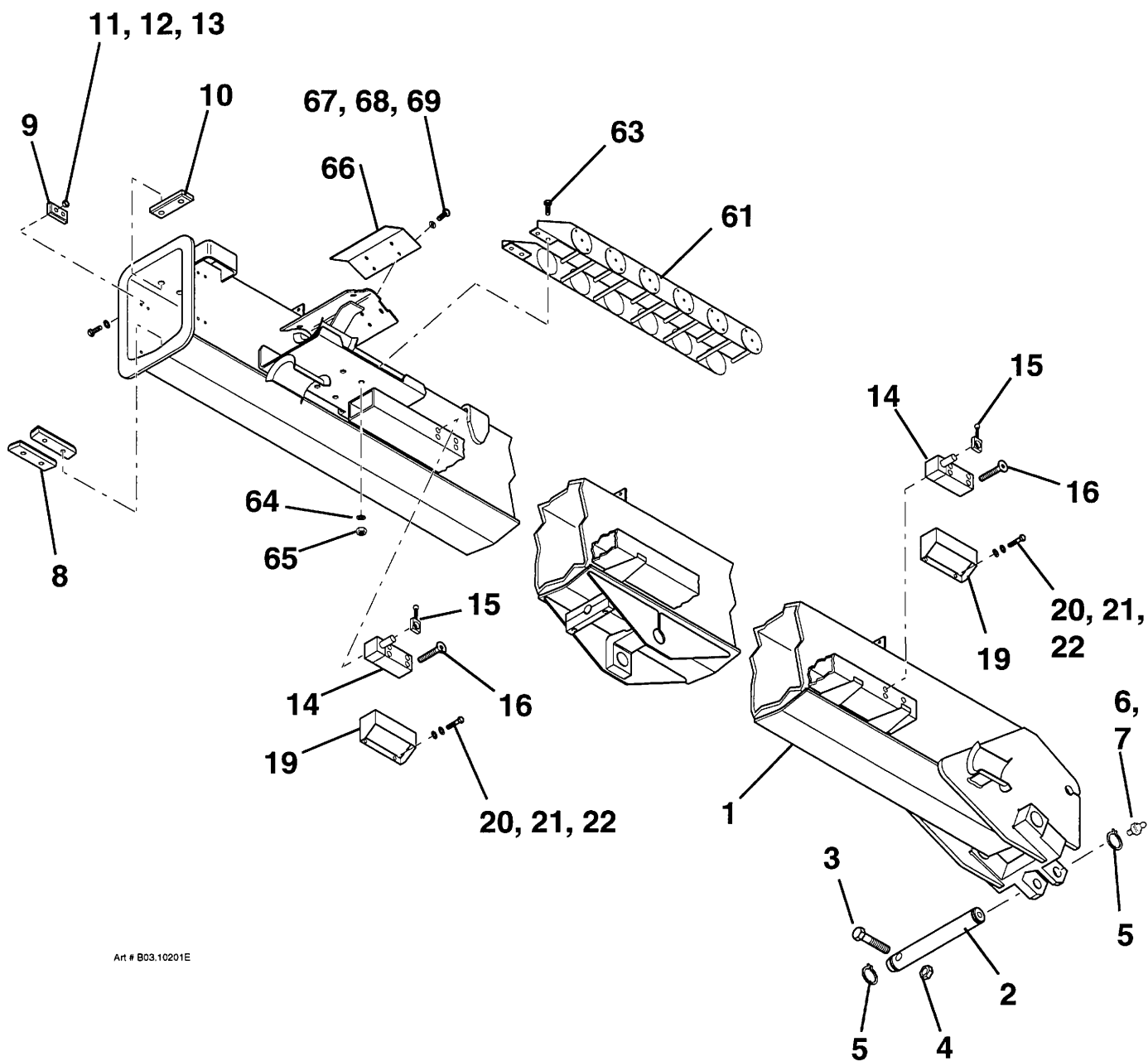
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 0600 353 1560		BOOM ASSEMBLY Trailblazer T 50 Trailblazer T 60	
1	231 6890		BASE BOOM WELDMENT without brackets for Hose Track (Catrac) Cover	1
2	231 8460		with brackets for Hose Track (Catrac) Cover	
3	231 3670		PIN, BOOM PIVOT (2" x 19-3/8") (replaces 230 2500)	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	230 4460		PAD, WEAR (2" x 8") (Base boom, bottom)	2
9	218 7740		PAD, WEAR (2" x 4") (Base boom, side)	4
10	230 2410		PAD, WEAR (2" x 6-3/4") (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	03-493800		SWITCH, LIMIT (Side rotary, 2 normally open, 2 normally closed contacts)	2
15	03-494000		ARM, LIMIT SWITCH (2", fixed roller)	2
16	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	4
17	03-045500		GRIP, CORD (1/2")	2
18	03-085000		CABLE, ELECTRICAL (24 conductor, #16 AWG) (Bulk item, 84 Ft [25.6 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, 84 Ft [25.6 M] required this application)	A.R.
19	210 4600		COVER, BOOM LIMIT SWITCH	1
20	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	2
21	07-065015		WASHER, HELICAL LOCK (5/16")	2
22	07-062014		WASHER, FLAT (1/4")	2

TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 4)

PLATE NO. B03.102 **SIMON AERIALS INC.**

REV. 29 DEC., 1995

PART NO.



Art # B03.10201E

TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 29 DEC., 1995

PART
NO.

PLATE
NO. B03.102

PARTS LIST

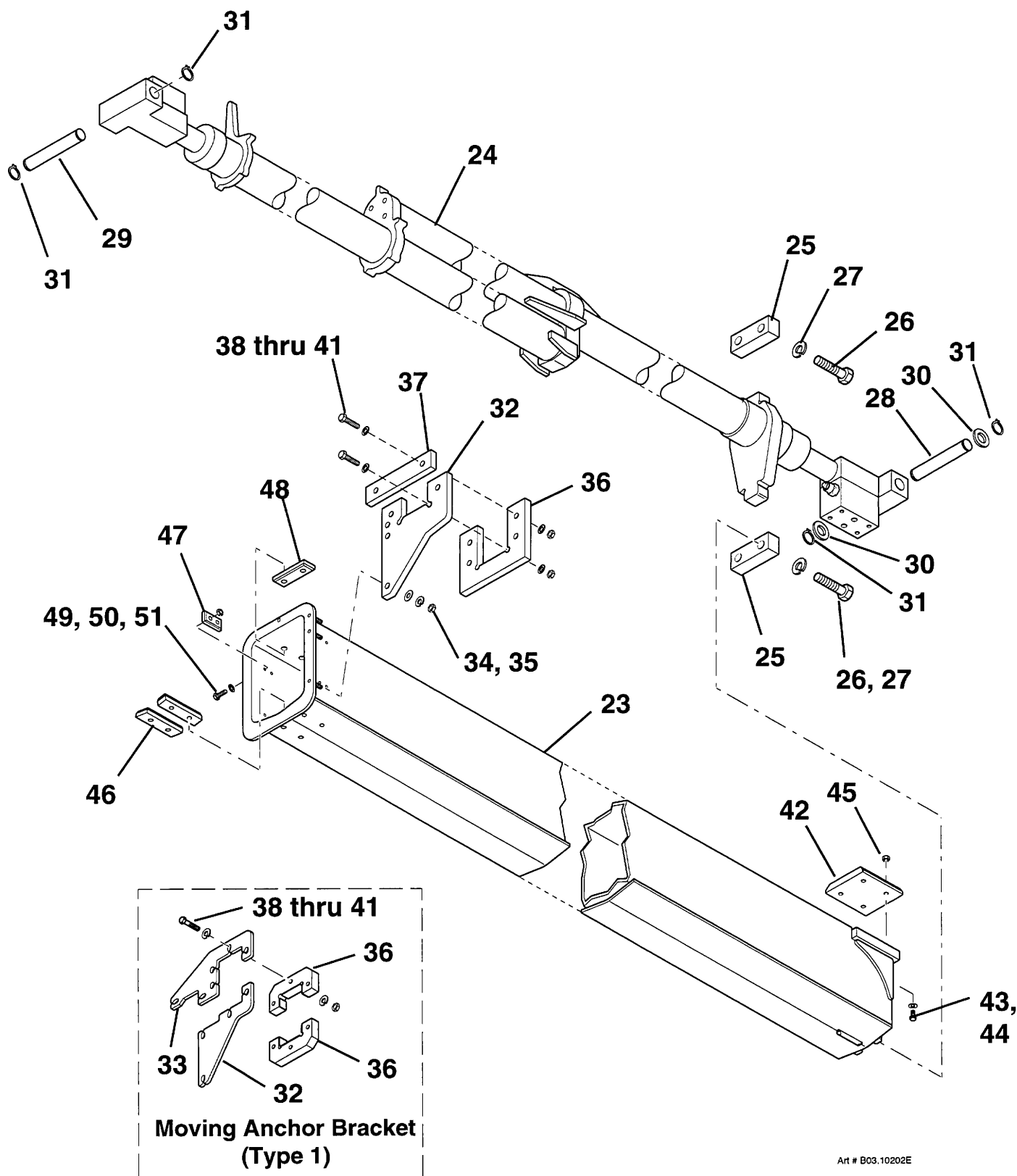
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	230 1870	D19.102	MID BOOM WELDMENT	1
24	See Plate . .		CYLINDER, DOUBLE TELESCOPE	1
25	230 1820		CLAMP, TELESCOPE CYLINDER	2
26	07-003131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 5)	4
27	07-065021		WASHER, HELICAL LOCK (5/8")	4
28	231 3560		PIN, TELESCOPE CYLINDER (replaces 230 4480)	
			(1-1/4" x 12-3/8") (at mid boom)	1
29	231 3550		PIN, TELESCOPE CYLINDER (replaces 230 4470)	
			(1-1/4" x 7-3/4") (at tip boom)	1
30	07-060024		WASHER, FLAT (1", SAE) (must be modified)	2
31	08-040700		RING, RETAINING (1-1/4")	4
32			BRACKET, MOVING ANCHOR (Lower)	
	230 5160		Type 1, used with upper bracket	1
	232 3450		Type 2, used without upper bracket	1
33	230 5150		BRACKET, MOVING ANCHOR (Upper)	
			(Type 1, used with lower bracket 230 5160)	1
34	07-058400		NUT, LOCK (1/2"-13, Grade 8)	A.R.
35	07-061018		WASHER, FLAT (1/2" SAE)	A.R.
36			PAD, MOVING ANCHOR GUIDE	
	230 5170		for Type 1 , which uses both upper and lower brackets	2
	210 2190		Lower, for Type 2 , which uses only a lower bracket	1
37	215 8770		Upper, for Type 2 , which uses only a lower bracket	1
38	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	6
39	07-061021		WASHER, FLAT (5/8")	6
40	07-065021		WASHER, HELICAL LOCK (5/8")	6
41	07-047021		NUT, JAM (5/8"-11, Grade 5)	6
42	230 2460		PAD, WEAR (7" x 9-5/8") (Mid boom, top, front)	1
43	07-003125		CAP SCREW, HEX HEAD (5/8"-11 x 1", Grade 5)	4
44	07-065021		WASHER, HELICAL LOCK (5/8")	4
45	07-047021		NUT, JAM (5/8"-11, Grade 5)	4
46	218 7750		PAD, WEAR (2" x 6") (Mid boom bottom, rear)	2
47	218 7740		PAD, WEAR (2" x 4") (Mid boom side, rear)	4
48	218 7760		PAD, WEAR (2" x 4-3/4") (Mid boom top, rear)	1
49	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	14
50	07-065018		WASHER, HELICAL LOCK (1/2")	14
51	07-047018		NUT, JAM (1/2"-13, Grade 5)	14

TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 4)

PLATE NO. B03.102 **SIMON AERIALS INC.**

REV. 29 DEC., 1995

PART NO.



TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 29 DEC., 1995

PART
NO.

PLATE
NO. **B03.102**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
52	230 1720		TIP BOOM WELDMENT	1
53	218 9930		PAD, WEAR (6" x 7-5/8") (Tip boom, top, front)	1
54	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
55	07-065018		WASHER, HELICAL LOCK (1/2")	4
56	07-047018		NUT, JAM (1/2"-13, Grade 5)	4
57	219 5380		ANCHOR WELDMENT, MOVING	1
58	07-004137		CAP SCREW, HEX HEAD (5/8"-11 x 4", Grade 8)	3
59	07-061021		WASHER, FLAT (5/8" SAE)	3
60	07-050021		NUT, STOP (5/8"-11, Grade 5)	3
61	08-072900		CARRIER, HOSE (Entire length, 58 links)	1
	08-072602		CARRIER, HOSE (3 Ft [9 M] long repair section)	A.R.
62	08-072701		NUT, PUSH	4
63	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1")	4
64	07-062016		WASHER, FLAT (3/8")	4
65	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
66	230 1010		PAD, WEAR (Moving anchor) (8-1/2" x 11" x 1/8")	1
67	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1")	4
68	07-062016		WASHER, FLAT (3/8")	8
69	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
70	230 1690		COVER, TIP BOOM	1
71	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
72	07-062014		WASHER, FLAT (1/4")	4
73	04-032700	D20.101	CYLINDER, SLAVE LEVEL	1
74	06-090300		REDUCER/ EXPANDER (6-4 F50 G5-S)	2
75	06-049800		BRANCH TEE, MALE "O"-RING TO 37° (4 S50X-S)	2
76	231 3590		PIN, SLAVE CYLINDER (1-1/4" x 6-15/16") (Base end) (replaces 219 2540)	1
77	231 3610		PIN, SLAVE CYLINDER (1-1/4" x 5-9/16") (Rod end) (replaces 219 0580)	1
78	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
79	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
80	08-040700		RING, RETAINING (1-1/4")	4

TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 3 OF 4)

PLATE NO. B03.102 **SIMON AERIALS INC.**

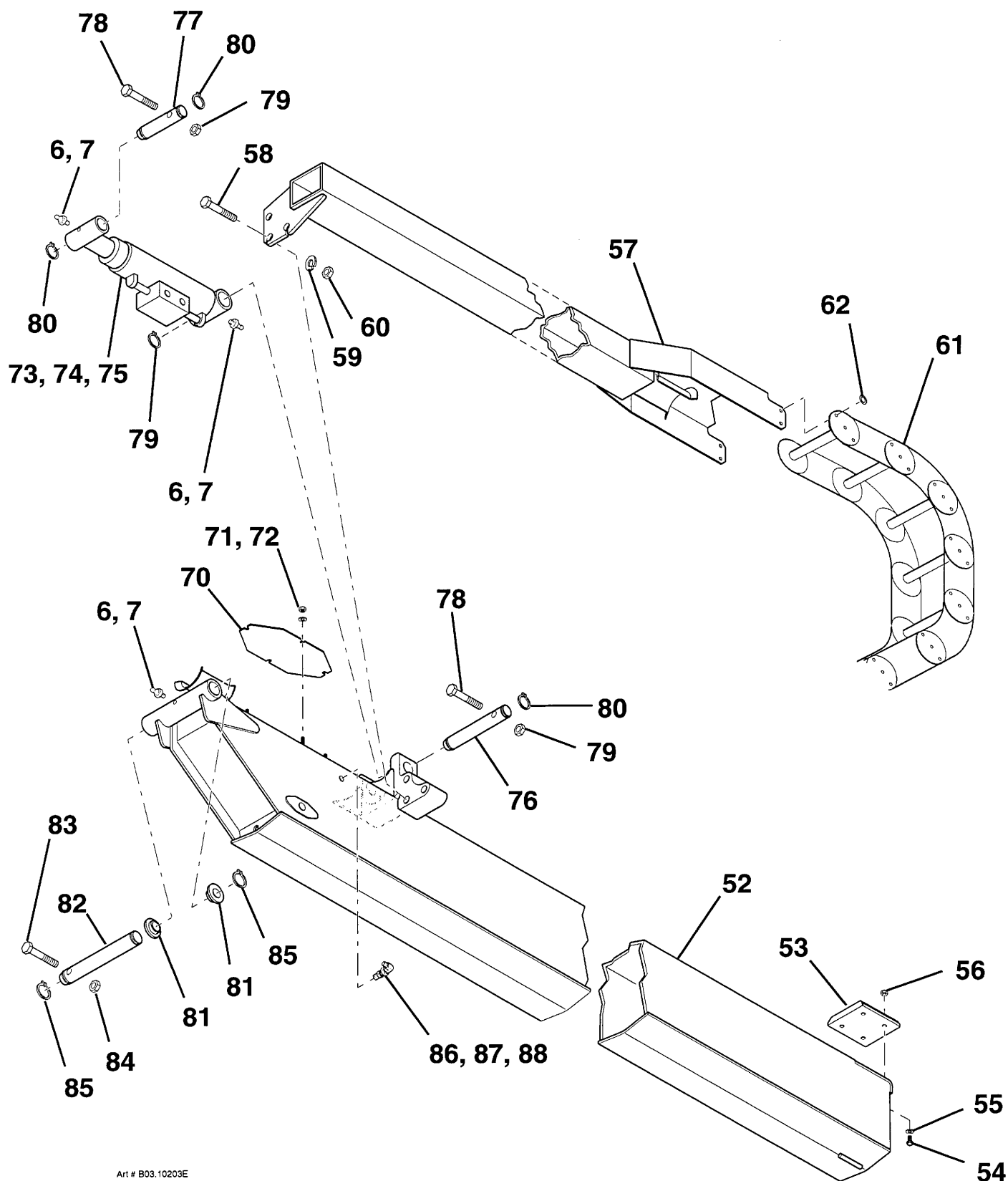
REV. 29 DEC., 1995

PART NO.

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PLATE NO.	B03.102	SIMON AERIALS INC.
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**PART
NO.**



TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 4 OF 4)

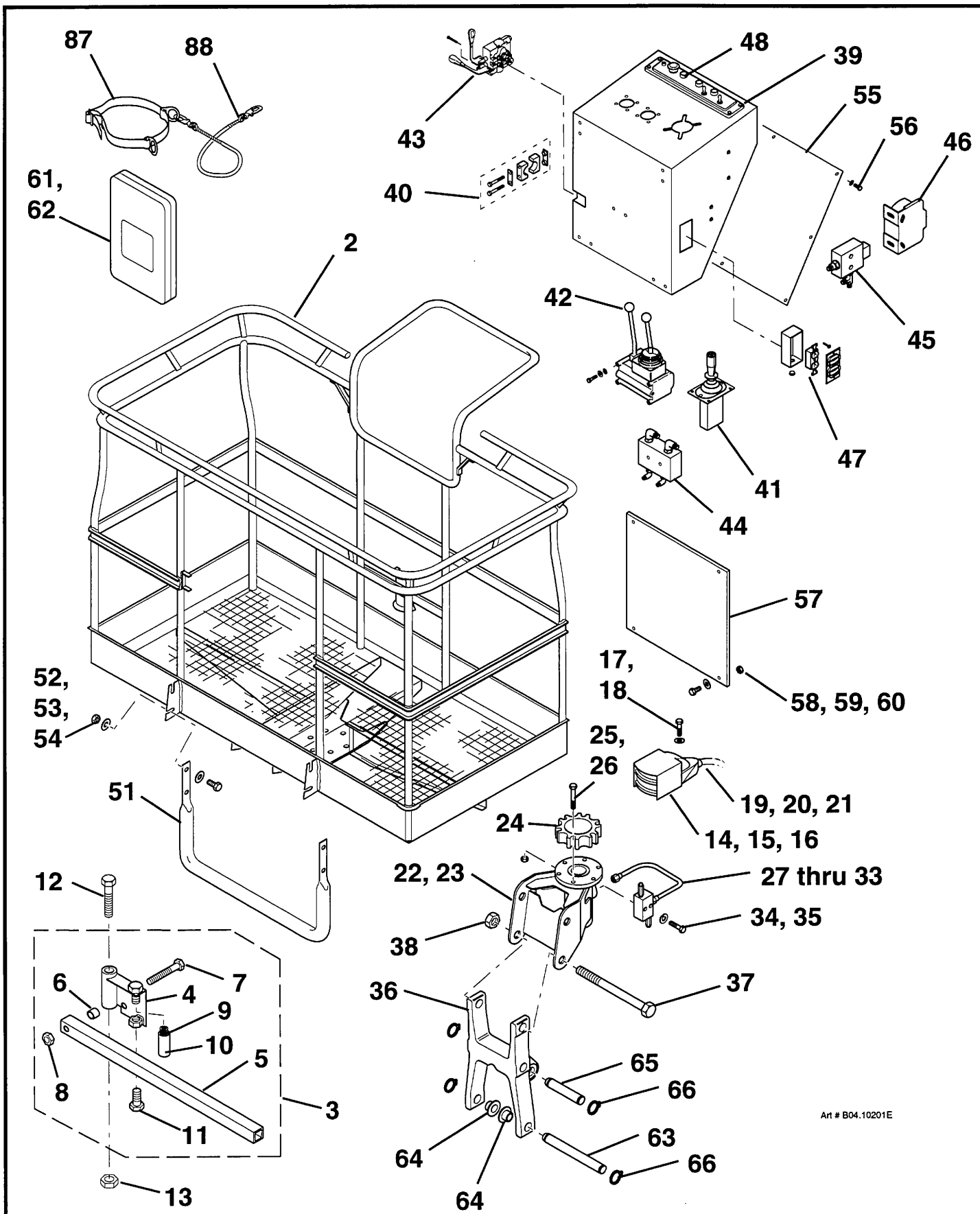
SIMON AERIALS INC.

REV. 29 DEC., 1995

PART
NO.

PLATE
NO. B03.102

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 1570 -----		PLATFORM GROUP (30" x 60" [.76 M x 1.52 M]) PLATFORM GROUP (36" x 96" [.91 M x 2.44 M])	
1	353 3930 -----		PLATFORM ASSEMBLY (Trailblazer 50 or 60) Standard (30" x 60" [.76 M x 1.52 M]) Optional (36" x 96" [.91 M x 2.44 M])	1
2	219 5480 232 4340		PLATFORM WELDMENT Standard (30" x 60" [.76 M x 1.52 M]) Optional (36" x 96" [.91 M x 2.44 M])	1
3	351 4160		BAR ASSEMBLY, LATCH	1
4	204 1724		PIVOT, DOOR	1
5	207 6577		BAR, LATCH	1
6	204 1649		SPACER, LATCH BAR PIVOT	1
7	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	1
8	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	1
9	08-010100		SPRING AND TUBE ASSEMBLY	1
10	210 8380		SPACER	1
11	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	1
12	07-003096		CAP SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)	1
13	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
14	03-021300		SWITCH ASSEMBLY, FOOT (Single pole)	1
15	03-021301		SWITCH (Single pole, double throw)	1
16	03-021302		COVER, SWITCH (Guard type, with latch)	1
17	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	3
18	07-065014		WASHER, HELICAL LOCK (1/4")	3
19	03-045000		BUSHING, REDUCER (3/4" to 1/2")	1
20	03-063300		GRIP, CORD (1/2", with .31" to .38" seal)	1
21	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, 6 Ft [1.8 M] required this application)	A.R.
22	02-037800	D24.101	ACTUATOR, ROTARY (Helical type, 180°)	1
23	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F5OX-S)	1
24	233 8510		SPACER, ROTARY ACTUATOR (1" (25.4 mm) thick) (required for 96" platform)	1
25	07-004089 07-004093		CAP SCREW, HEX HEAD 1/2"-13 x 2", Grade 8 (when spacer is not fitted) 1/2"-13 x 3", Grade 8 (when spacer is fitted)	6
26	07-058400		NUT, LOCK (1/2"-13, Grade 8)	6
TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)				
PLATE NO.	B04.102	SIMON AERIALS INC.		PART NO.
REV. 13 JAN., 1996				



Art # B04.10201E

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

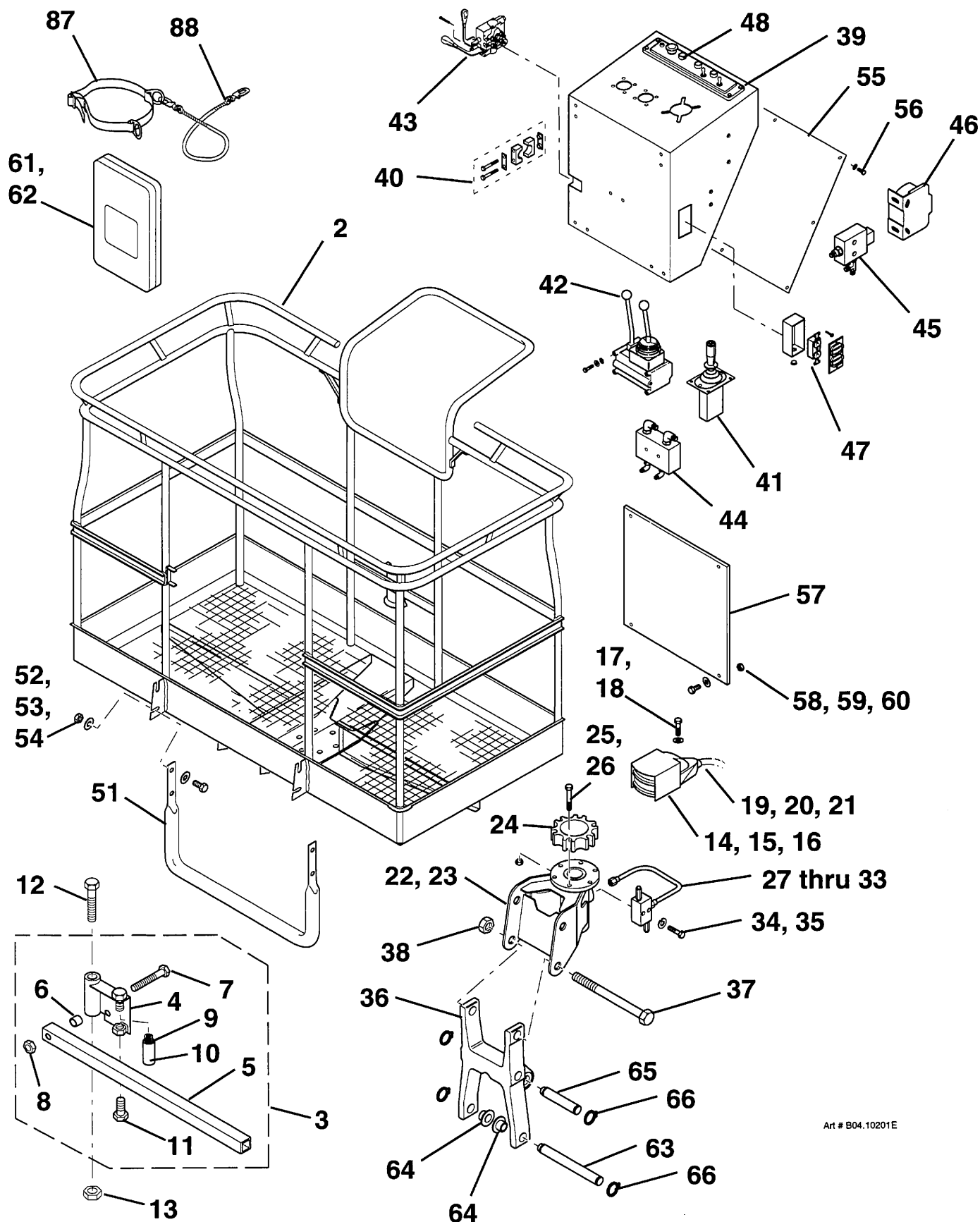
SIMON AERIALS INC.

REV. 13 JAN., 1996

PART
NO.

PLATE
NO. B04.102

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			PLATFORM ASSEMBLY (continued)	
27	01-202000		MANIFOLD, PLATFORM ROTATOR	1
28	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	2
29	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1
30	06-047000		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
31	06-060100		REDUCER, TUBE END (6-4 TRTX-S)	1
32	06-057500		NUT, TUBE (6 BTX-S)	1
33	350 7654		TUBE ASSEMBLY (Flow divider, 4WD)	2
34	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
35	07-065016		WASHER, HELICAL LOCK (3/8")	2
36	219 2520		SUPPORT, PLATFORM	1
37	07-094100		CAP SCREW, HEX HEAD (1-1/4"-7 x 11", Grade 5)	2
38	07-094200		NUT, LOCK (1-1/4"-7, Grade 5)	2
39	353 3900	C08.102	PLATFORM CONSOLE ASSEMBLY	1
40	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
41	353 0760	D18.101	VALVE, DRIVE CONTROL	1
42	219 9300	C02.101	VALVE BANK, PLATFORM CONTROL	1
43	230 0610	D14.101	VALVE, PLATFORM LEVEL AND ROTATE	1
44	01-001900		VALVE, CHECK (Pilot operated)	1
45	01-034400		VALVE, 2 WAY (includes non-removable coil)	1
46			ALARM, TILT SENSOR	1
	03-464600		12-24 Volt DC, 102 DB (earlier version)	
	03-501800		DUAL TONE (later version)	
47	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
48	352 9460		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
49	08-050000		FITTING, GREASE (1/8" NPT)	1
50	08-066300		CAP, GREASE (White plastic)	1
			The following items are not included as part of the Platform Assembly:	
51	219 8710		STEP, PLATFORM	1
52	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
53	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4
54	07-062016		WASHER, FLAT (7/16")	8
55	219 9060		COVER, CONTROL CONSOLE	1
56	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	7
57	231 6820		PLATE, DECAL MOUNTING (for Trailblazer 60 only)	1
58	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
59	07-062014		WASHER, FLAT (1/4")	4
60	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)				
PLATE NO.	B04.102	SIMON AERIALS INC.		PART NO.
		REV. 13 JAN., 1996		



Art # B04.10201E

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 13 JAN., 1996

PART
NO.

PLATE
NO. B04.102

PARTS LIST

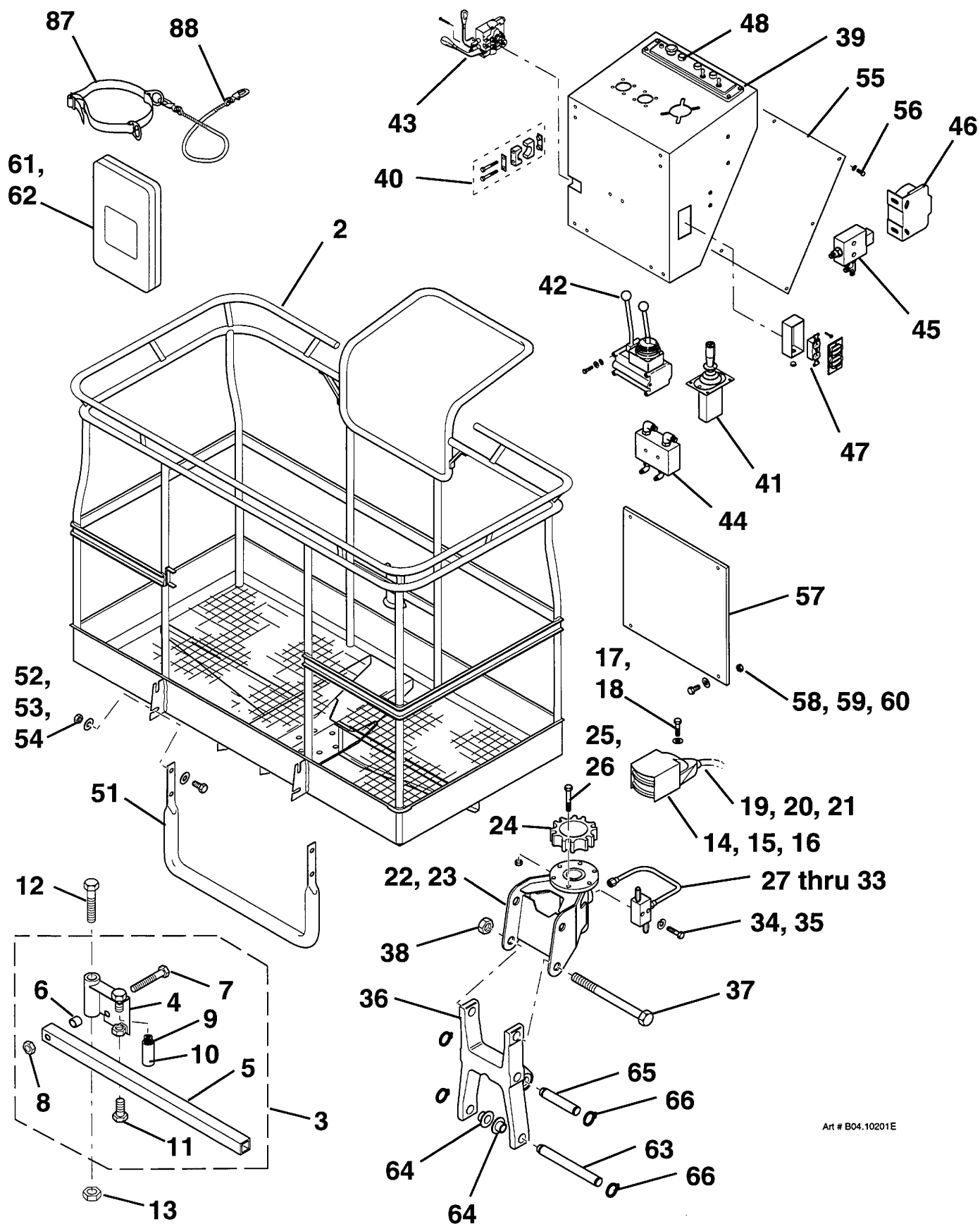
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
61	11-085200		BOX, TECHNICAL MANUAL STORAGE	1
62	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", Self drilling, with rubber seal)	2
63	231 3580		PIN, PLATFORM PIVOT (1-1/4" x 11-1/4") (replaces 219 2590)	1
64	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" O.D. flange, 1-1/2" long)	2
65	231 3610		PIN, SLAVE CYLINDER (1-1/4" x 5-9/16") (Rod end) (replaces 219 0580)	1
66	08-040700		RING, RETAINING (1-1/4", External)	4
67	353 5780		HOSE KIT, PLATFORM	1
68	06-144300		COUPLING, HOSE (4-4 FJX-S)	2
69	06-144500		COUPLING, HOSE (4-6 FJX-S)	4
70	06-213100		FERRULE, HOSE (#4)	6
71	06-144900		COUPLING, HOSE (6-6 FJX-S)	2
72	06-213200		FERRULE, HOSE (#6)	2
73	06-145500		COUPLING, HOSE (8-8 FJX-S)	3
74	06-216800		FERRULE, HOSE (#8, ribbed)	3
75	205 4670		CLAMP, HOSE (2 hole, #4)	1
76	07-031021		STUD, WELD (1/4"-20 x 2")	1
77	07-062014		WASHER, FLAT (1/4")	1
78	07-050014		NUT, LOCK (1/4"-20, Grade 5)	1
79	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	4
80	03-064700		TIE, CABLE (14-1/2" [37 mm] long)	5
81	03-066400		TIE, CABLE (20" [51 mm] long)	10
The following optional items are available for the Platform Assembly:				
82	03-038800		LAMP, CONTROL PANEL (hooded) (not shown)	2
83	03-411300		BULB, PANEL LAMP (24 Volt, #304)	2
84	10-159100		COVER, CONSOLE CONTROLS (black vinyl) (not shown)	1
85	10-163800		STUD, BUTTON SNAP (stainless steel)	A.R.
86	07-099300		RIVET, BLIND (1/8" x 1/8", stainless steel)	A.R.
87	10-034000		BELT, SAFETY	1
88	10-033900		LANYARD, SAFETY BELT	1

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

PLATE NO. B04.102 **SIMON AERIALS INC.**

REV. 13 JAN., 1996

PART NO.



Art # B04.10201E

TITLE PLATFORM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

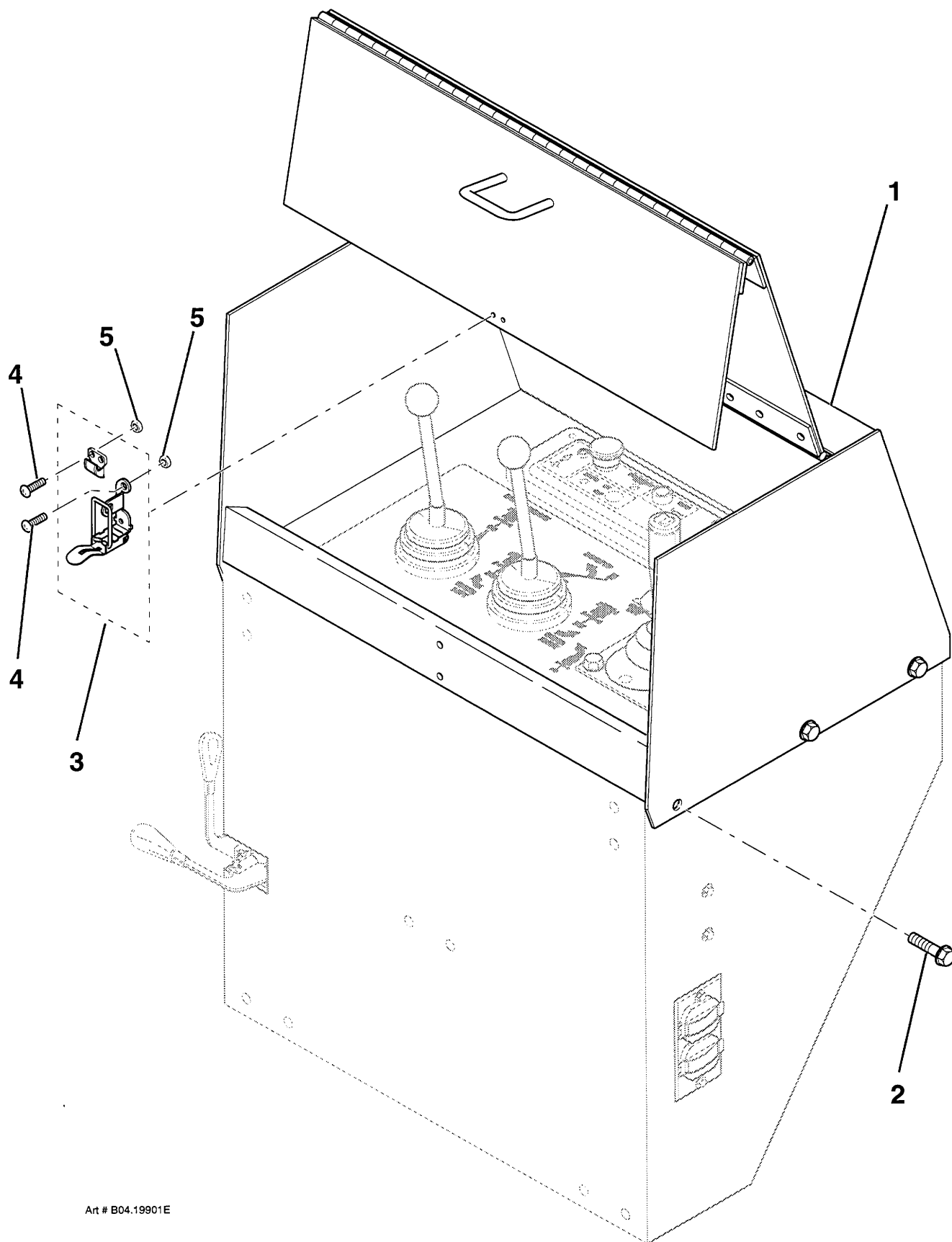
SIMON AERIALS INC.

REV. 13 JAN., 1996

PART
NO.

PLATE
NO. B04.102

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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

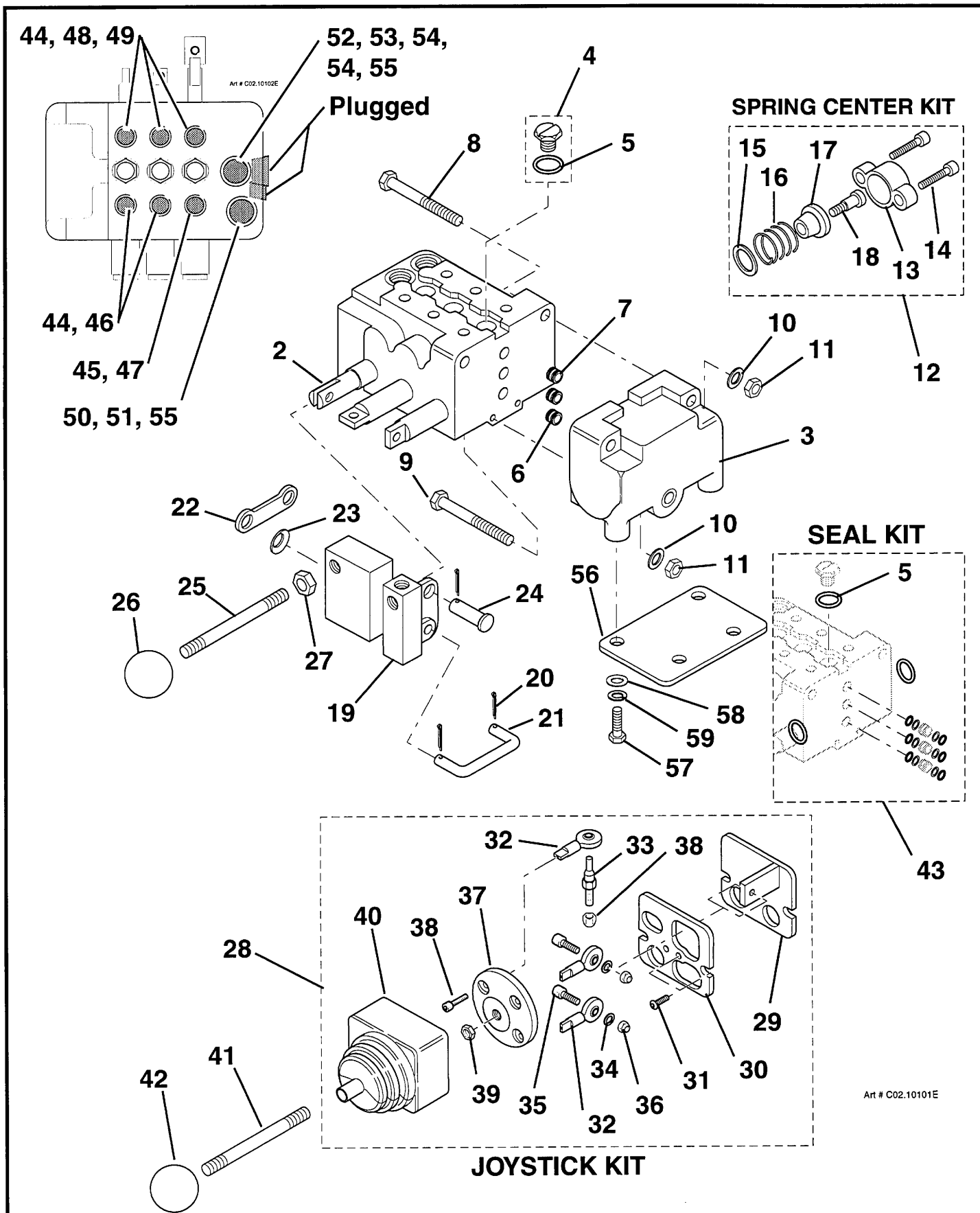
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 0740		VALVE BANK ASSEMBLY, PLATFORM CONTROL for Trailblazer 40	1
	353 3910		for Trailblazer 50 or 60	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (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.



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

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	06-044600		90° ELBOW, "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				

PARTS LIST

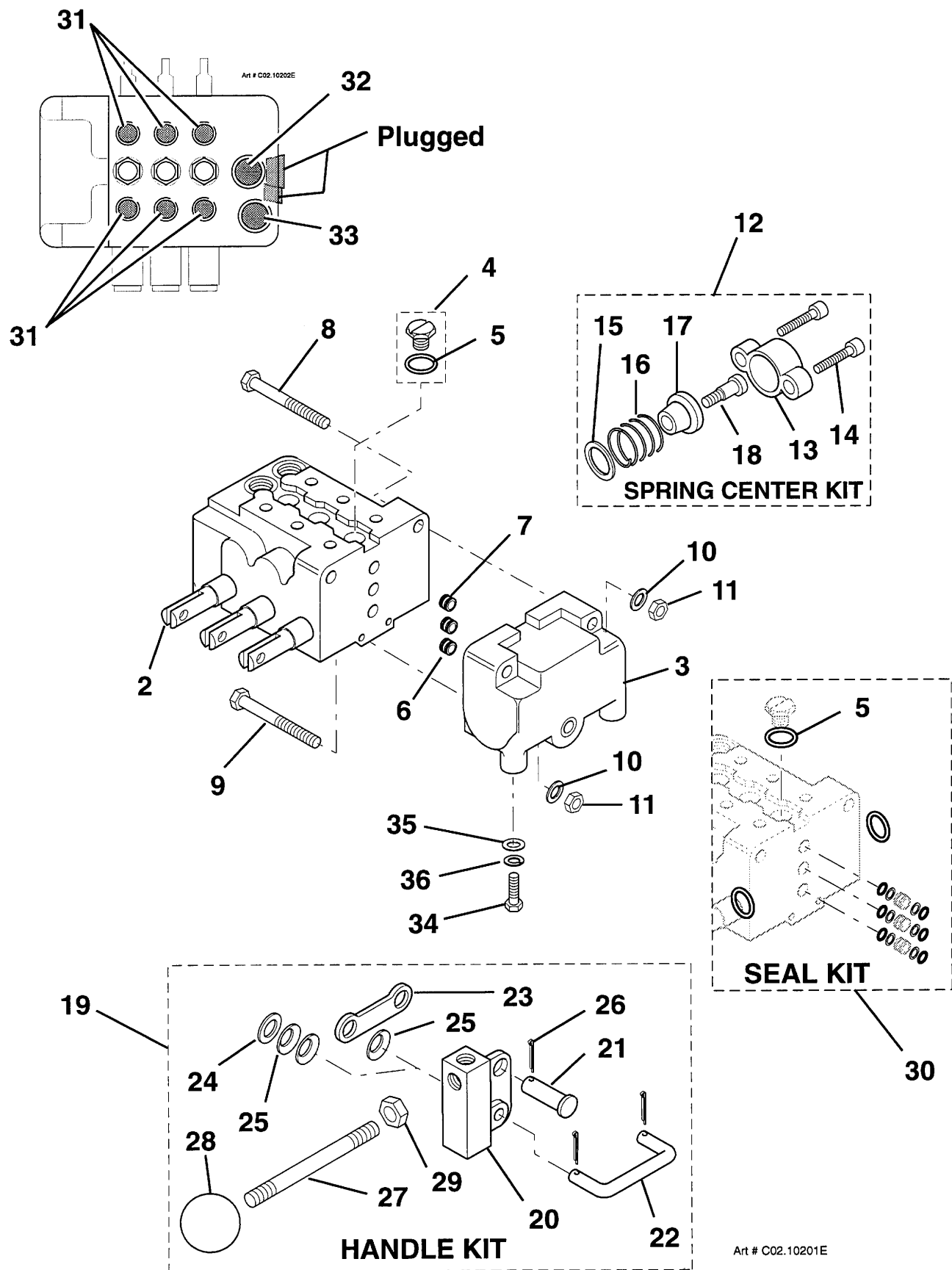
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-216100		VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 30)	1
6	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
7	01-098416		TUBE ASSEMBLY, FEEDER (11/16" 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			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 F5OX-S)	6
32	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F5OX-S)	1
33	06-040700		ADAPTER, "O"-RING TO 37° (10 F5OX-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. 353 0350



TITLE

GROUND VALVE BANK ASSEMBLY, 3 SPOOL

SIMON AERIALS INC.

NEW 14 JAN., 1993

PART
NO.

353 0350

PLATE
NO.

C02.102

PARTS LIST

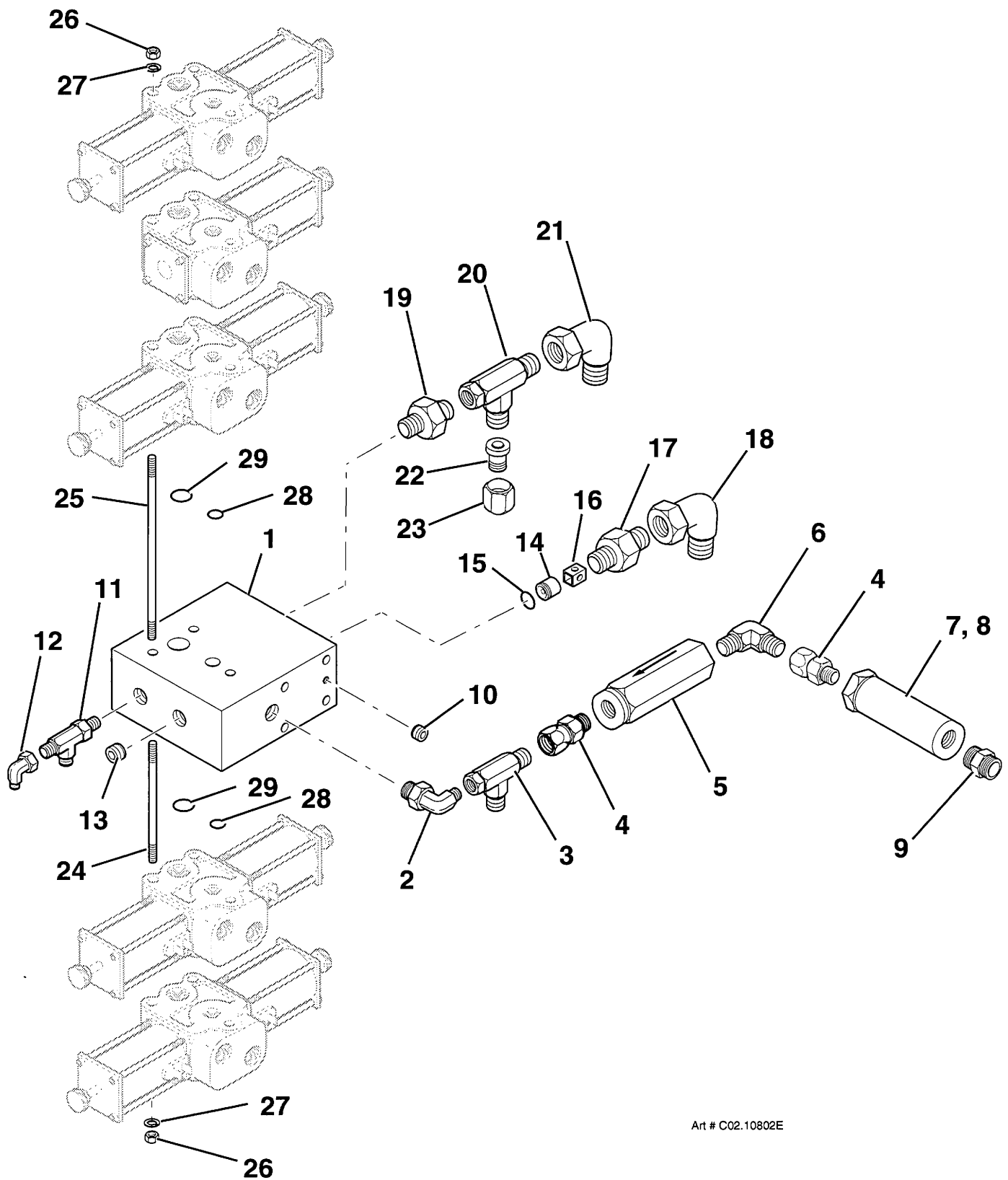
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	202 5214		MANIFOLD, CONTROL VALVE	1
2	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	1
3	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
4	06-079000		CONNECTOR, SWIVEL NUT (6 F65OX-S)	2
5	01-020800		VALVE, POPPET CHECK (3 psi [.207 bar] [.211 Kg/ cm ²], #6 ports)	1
6	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
7	01-226000		FILTER ASSEMBLY, HIGH PRESSURE (Screw-on)	1
8	01-226001		ELEMENT, FILTER	1
9	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
10	06-079800		PLUG, HEX SOCKET NPT (1/4 HHP-S)	1
11	06-048600		RUN TEE, MALE "O"-RING TO 37° (8 R5OX-S)	1
12	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
13	06-095100		PLUG, HEX SOCKET, "O"-RING (8 HP5ON)	1
14	01-034100		VALVE, CARTRIDGE CHECK (3000 psi [207 bar] [211 Kg/ cm ²])	1
15	01-034200		"O"-RING (1.051" I.D., .070" thick)	1
16	201 5109		SPACER, CHECK VALVE	1
17	06-041400		ADAPTER, "O"-RING TO 37° (16 F5OX-S)	1
18	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
19	06-041500		ADAPTER, "O"-RING TO 37° (16-12 F5OX-S)	1
20	06-055000		RUN TEE, 37° FEMALE SWIVEL NUT (16 R6X-S)	1
21	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
22	06-061100		REDUCER, TUBE END (16-12 TRTX-S)	1
23	06-058000		NUT, TUBE (16 BTX-S)	1
24	209 6568		ROD, THREADED (3/8"-16 x 6-1/4")	3
25	201 8274		ROD, THREADED (3/8"-16 x 8-1/2")	3
26	07-040016		NUT, HEX (3/8"-16, Grade 5)	6
27	07-065016		WASHER, HELICAL LOCK (3/8")	6
28	01-031702		"O"-RING (3/4" O.D.)	5
29	01-031703		"O"-RING (1-1/16" O.D.)	5

TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

PLATE NO. C02.105 **SIMON AERIALS INC.**

REV. 22 JAN., 1996

PART NO. 353 2740



Art # C02.10802E

TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 22 JAN., 1996

PART NO. 353 2740

PLATE NO. C02.105

PARTS LIST

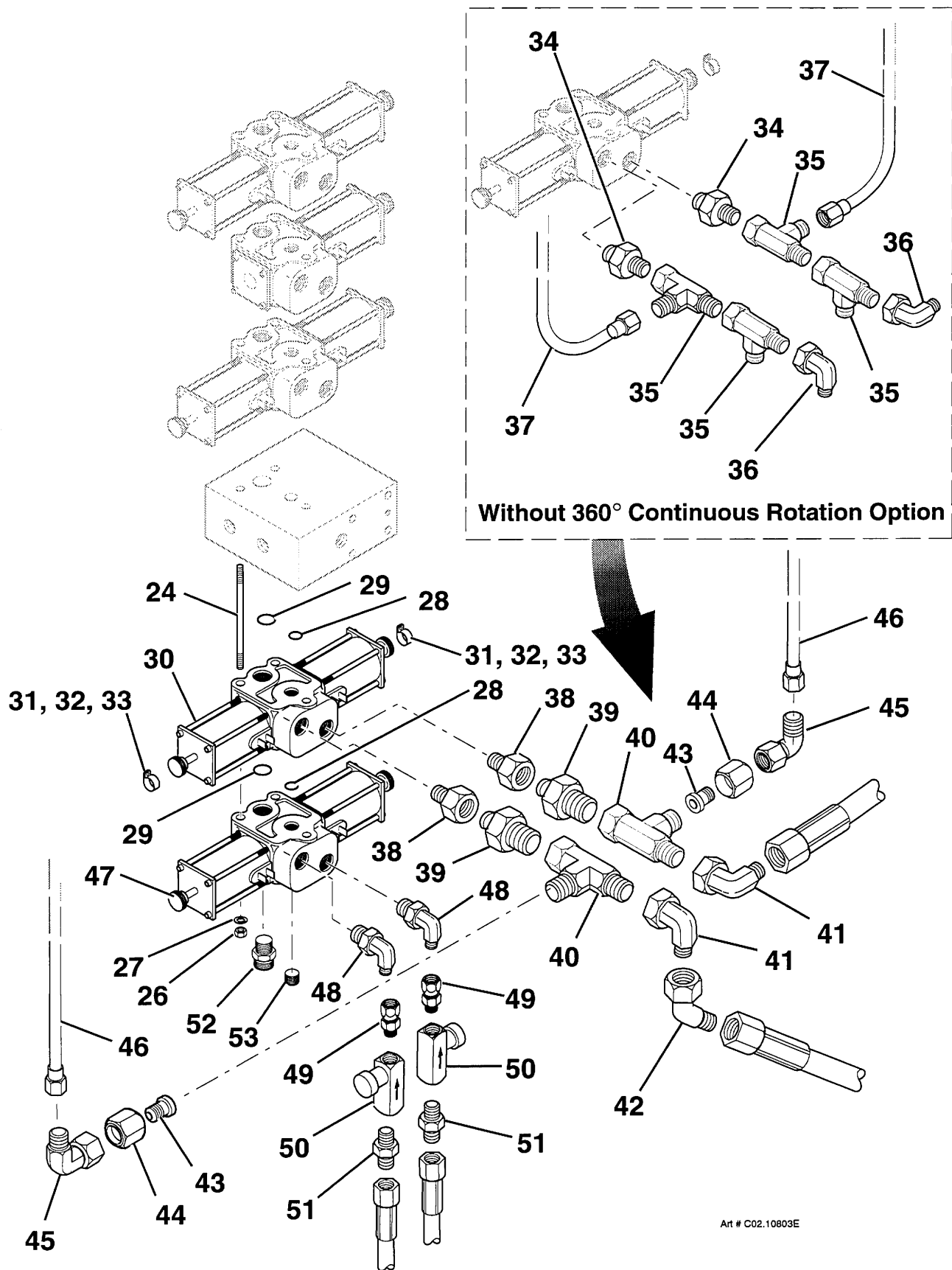
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
31	10-005300		BAND (to prevent manual operation of valve)	4
32	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	4
33	07-050014		NUT, HEX LOCK (1/2"-13, Grade 8)	4
			For versions <u>without</u> 360° Continuous Rotation option (see Insert):	
34	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F5OX-S)	2
35	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	4
36	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
37	350 8875		TUBE ASSEMBLY (3/4" dia.)	2
			For versions <u>with</u> 360° Continuous Rotation option (see Main Illustration):	
38	06-090900		REDUCER/ EXPANDER, FEMALE (10-8 F5O G5-S)	2
39	06-215400		ADAPTER, "O"-RING TO 37° (16-10 F5OX-S)	2
40	06-055000		RUN TEE, 37° FEMALE SWIVEL NUT (16 R6X-S)	2
41	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	2
42	06-214200		45° ELBOW, SWIVEL NUT (16 V6X-S)	1
43	06-061100		REDUCER, TUBE END (16-12 TRTX-S)	2
44	06-058000		NUT, TUBE (16 BTX-S)	2
45	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
46	350 8875		TUBE ASSEMBLY (3/4" dia.)	2
			For <u>all</u> versions:	
47	01-031700	D13.01	VALVE, DIRECTIONAL (Steer valve) (Solenoid operated, 4 way, 3 position, closed center)	1
48	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	2
49	06-079000		ADAPTER, SWIVEL NUT (6 F65OX-S)	2
50	01-018900		VALVE, FLOW CONTROL (Needle valve, #6 SAE ports)	2
51	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	2
52	06-040500		ADAPTER, "O"-RING TO 37° (10-8 F5OX-S)	1
53	06-095000		PLUG, HEX SOCKET, "O"-RING (6 HP5ON)	1

TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)

PLATE NO. C02.105 **SIMON AERIALS INC.**

REV. 22 JAN., 1996

PART NO. 353 2740



TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 22 JAN., 1996

PART NO. 353 2740

PLATE NO. C02.105

PARTS LIST

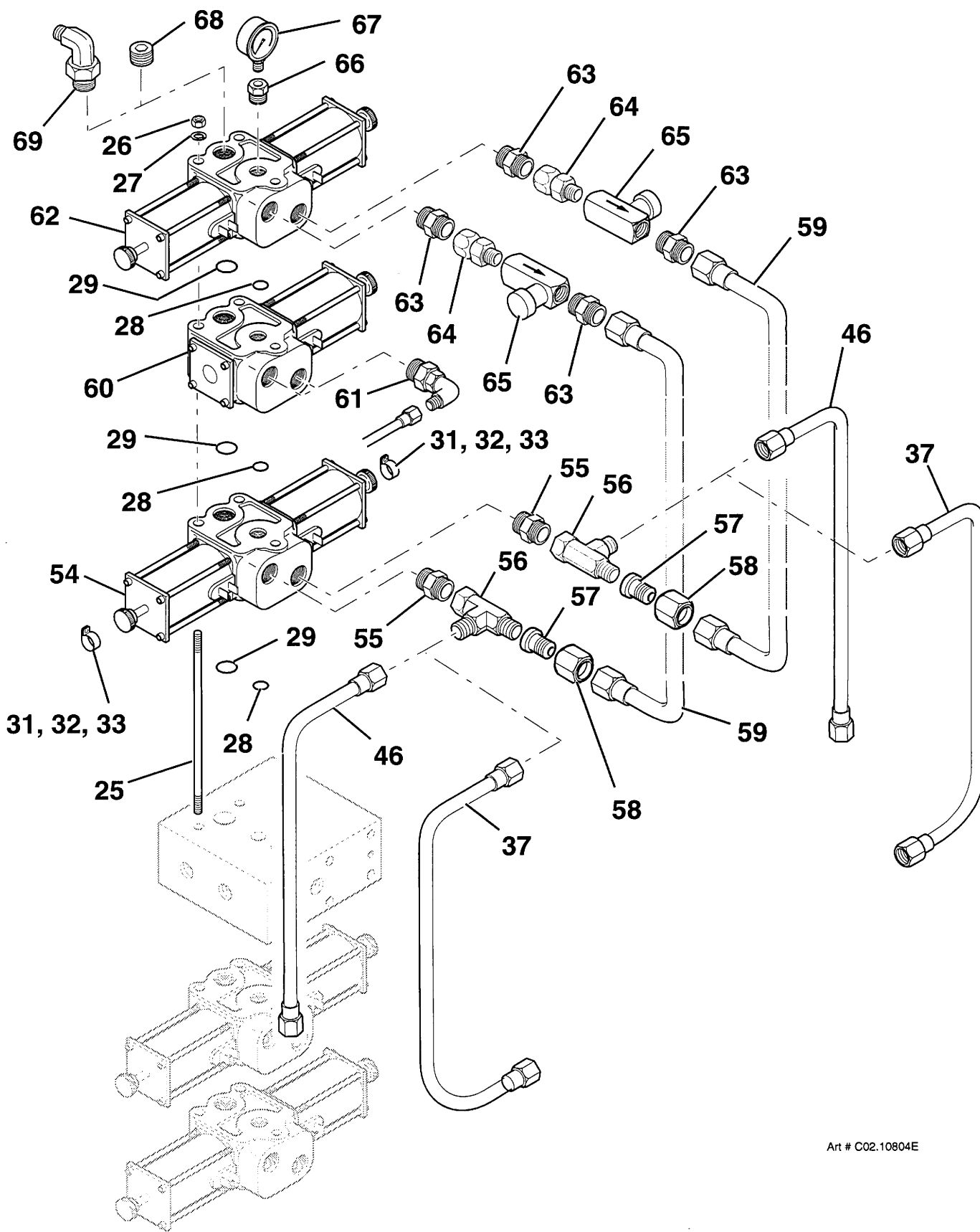
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
54	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
55	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F5OX-S)	2
56	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
57	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2
58	06-057800		NUT, TUBE (12 BTX-S)	2
59	351 1050		TUBE ASSEMBLY (1/2" dia.)	2
60	01-061900	D13.05	VALVE, DIRECTIONAL (Diverter valve) (Solenoid operated, 4 way, 2 position)	1
61	06-044800		90° ELBOW, "O"-RING TO 37° (8 C5OX-S)	2
62	01-031800	D13.02	VALVE, DIRECTIONAL (Low speed valve) (Solenoid operated, 4 way, 3 position, open center)	1
63	06-040100		ADAPTER, "O"-RING TO 37° (8 F5OX-S)	4
64	06-207800		ADAPTER, SWIVEL NUT (8 F65OX-S)	2
65	01-019000		VALVE, FLOW CONTROL (Needle valve, #8 SAE ports)	2
66	06-086600		REDUCER/ EXPANDER, FEMALE (6-1/4 F5O G5-S)	1
67	01-021000		GAUGE, PRESSURE (1/4" male NPT) (0-4000 PSI [0-28,000 kPa])	1
68	06-095100		PLUG, HEX SOCKET, "O"-RING (8 HP5ON) (when earlier style pump is fitted)	1
69	06-044800		90° ELBOW, "O"-RING TO 37° (8 C5OX-S) (when current style pump is fitted)	1
			The following items are not part of Manifold Assembly 353 2740:	
70	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5)	4
71	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	4
72	07-062018		WASHER, FLAT (1/2")	4
73	03-436500		HARNESS, WIRE	1

TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

PLATE NO. C02.105 **SIMON AERIALS INC.**

REV. 22 JAN., 1996

PART NO. 353 2740



Art # C02.10804E

TITLE MANIFOLD ASS'Y, DRIVE/ STEER, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

SIMON AERIALS INC.	REV. 22 JAN., 1996	PART NO. 353 2740	PLATE NO. C02.105
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PARTS LIST

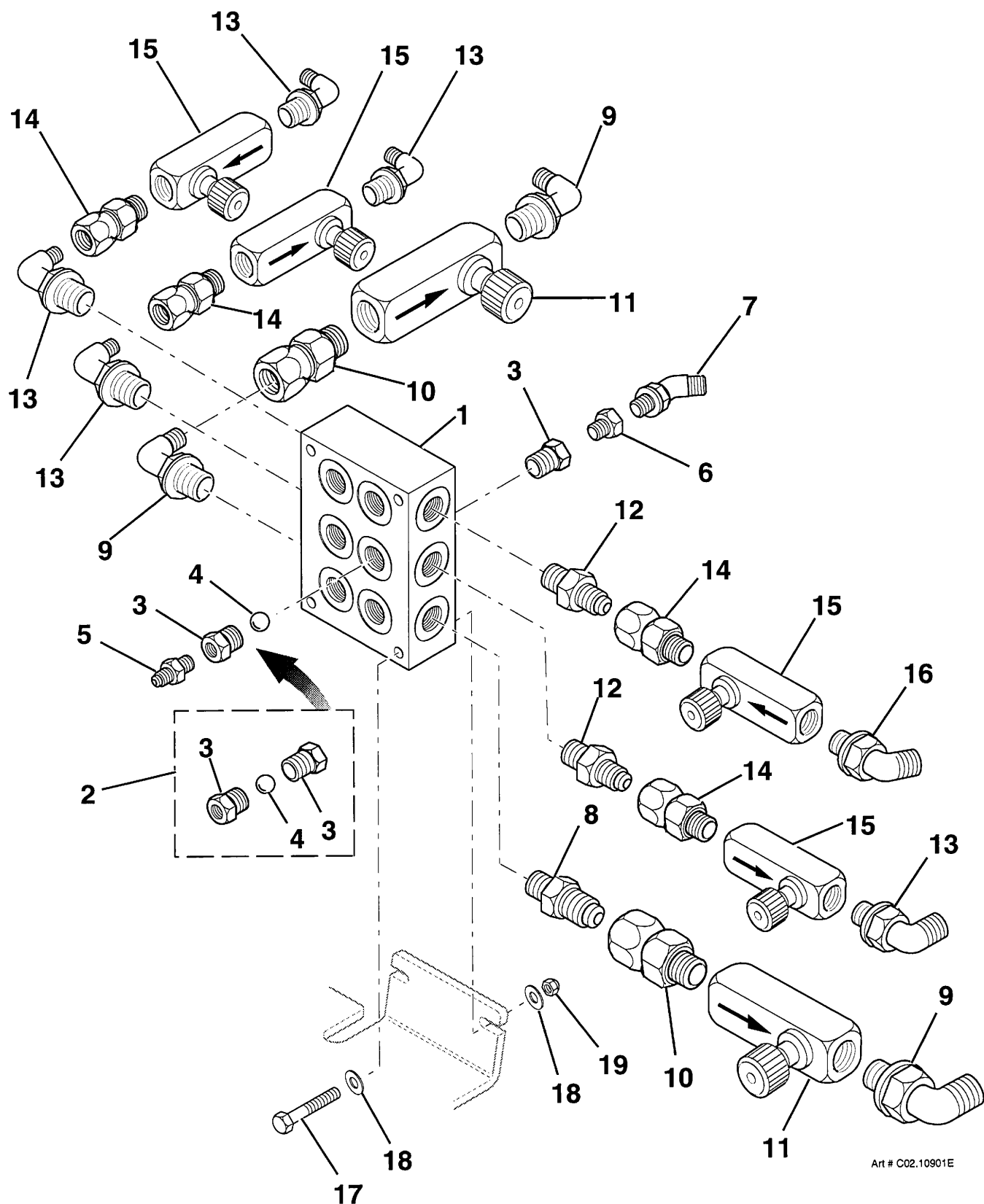
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TITLE	SHUTTLE VALVE ASSEMBLY, TRAILBLAZER 50
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PLATE NO.	C02.109	SIMON AERIALS INC.	NEW 20 JAN., 1996
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PART NO.	354 1200
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PART NO 354 1200



Art # C02.10901E

TITLE

SHUTTLE VALVE ASSEMBLY, TRAILBLAZER 50

SIMON AERIALS INC.

NEW 20 JAN., 1996

PART
NO.

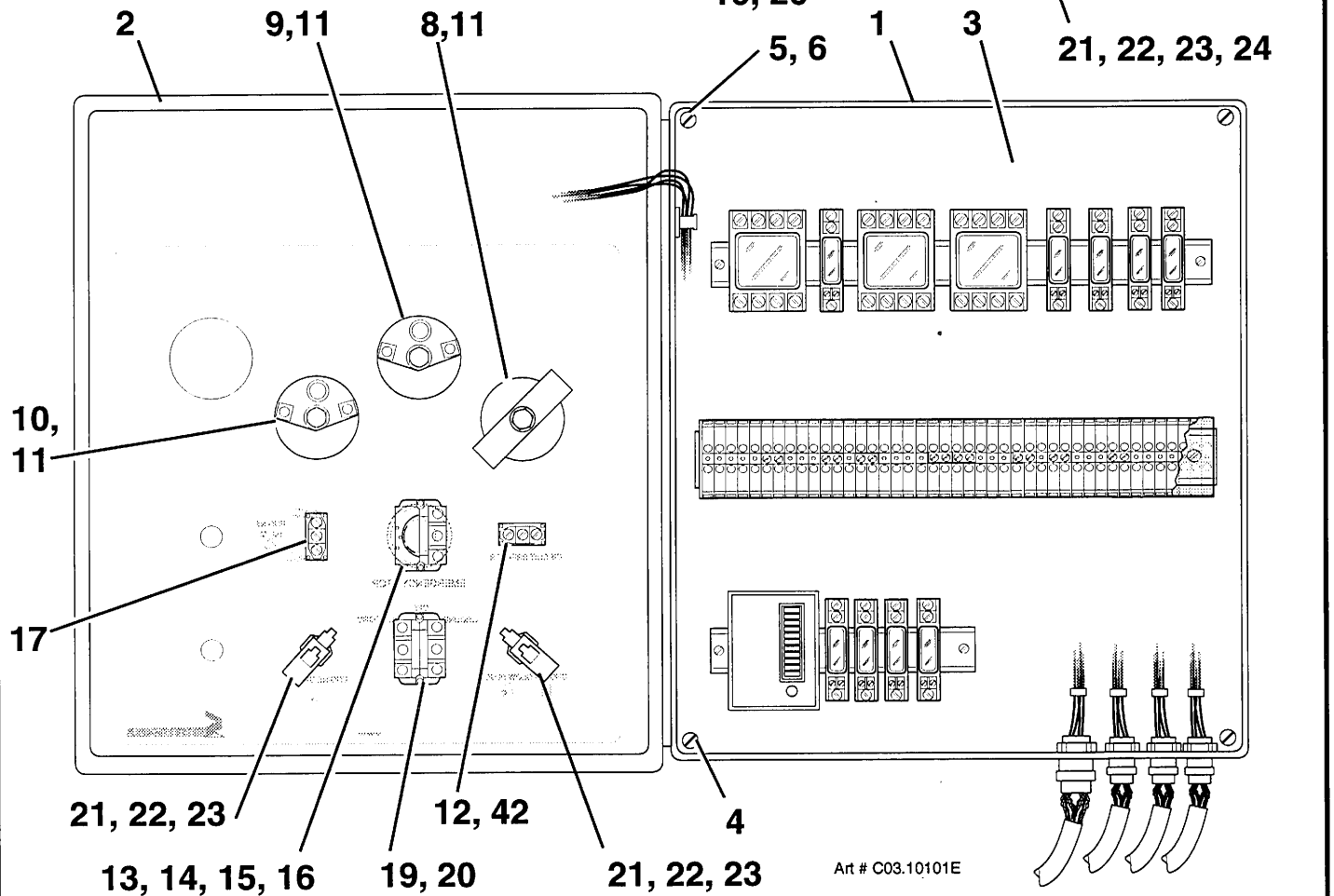
354 1200

PLATE
NO.

C02.109

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	shown	BUTTON, EMERGENCY STOP Red and Silver, pull to reset (earlier version)	1
	03-702000		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.		PART NO.
REV. 18 JAN., 1996				

with Dual Fuel option



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

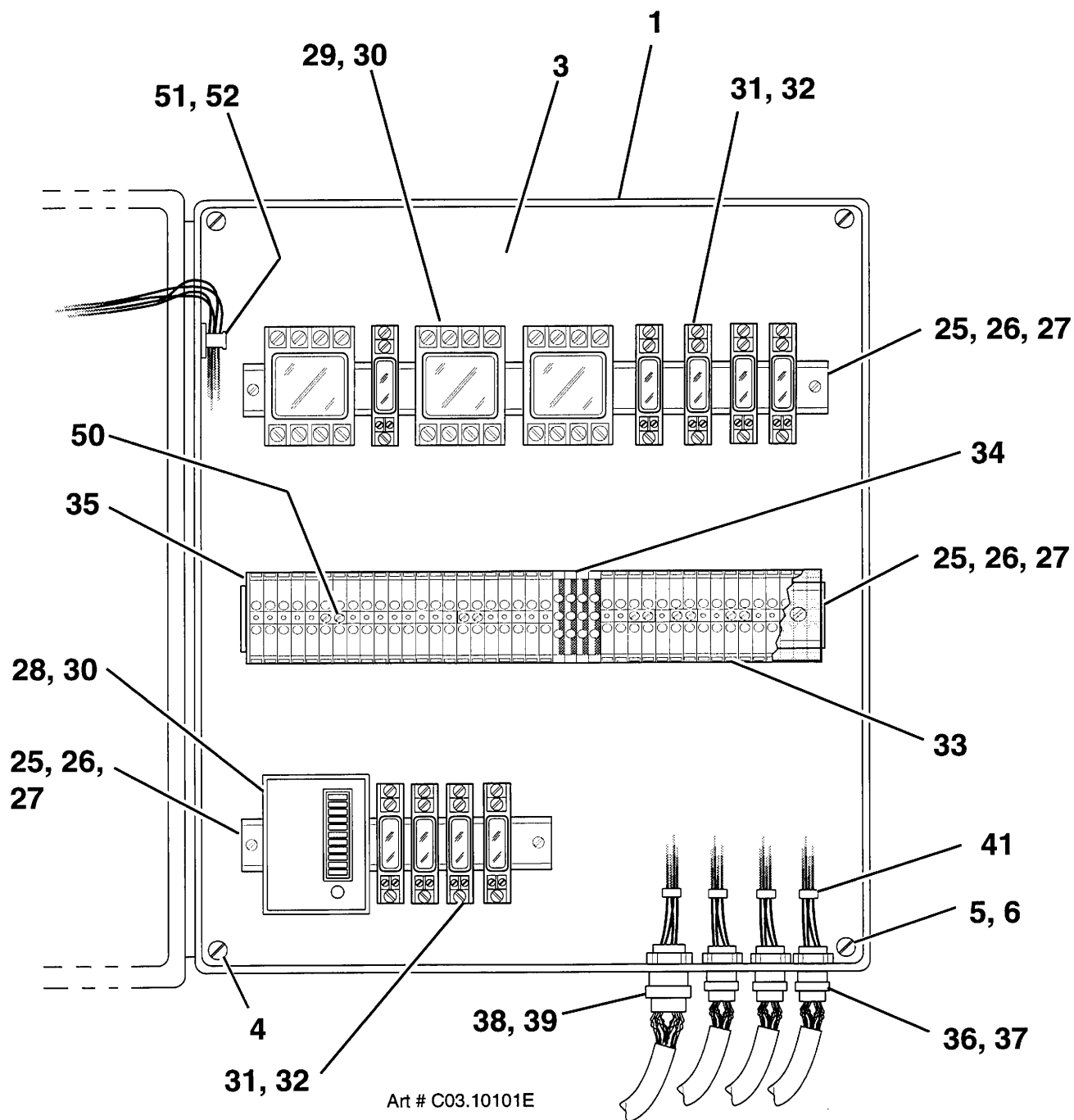
SIMON AERIALS INC.

REV. 18 JAN., 1996

PART
NO.

PLATE
NO. **C03.101**

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TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

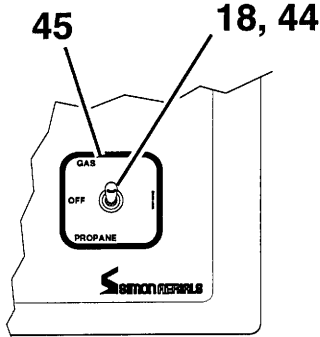
REV. 18 JAN., 1996

PART
NO.

PLATE
NO. C03.101

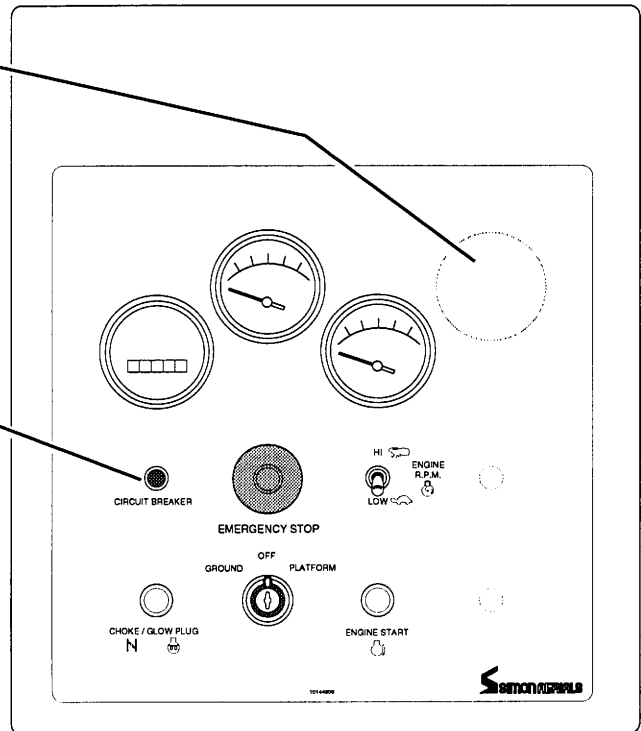
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with Dual Fuel option



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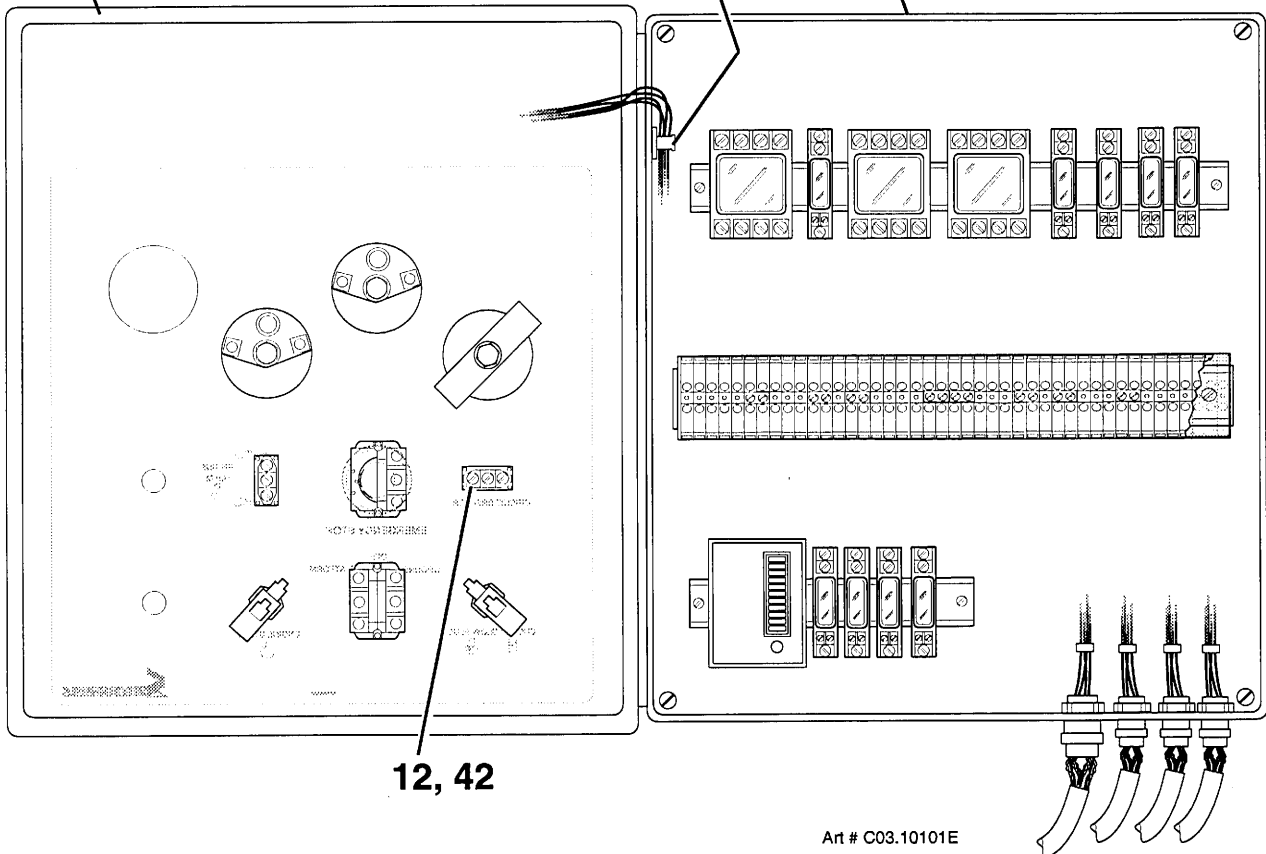
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Art # C03.10101E

TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

PART
NO.

PLATE
NO. C03.101

PARTS LIST

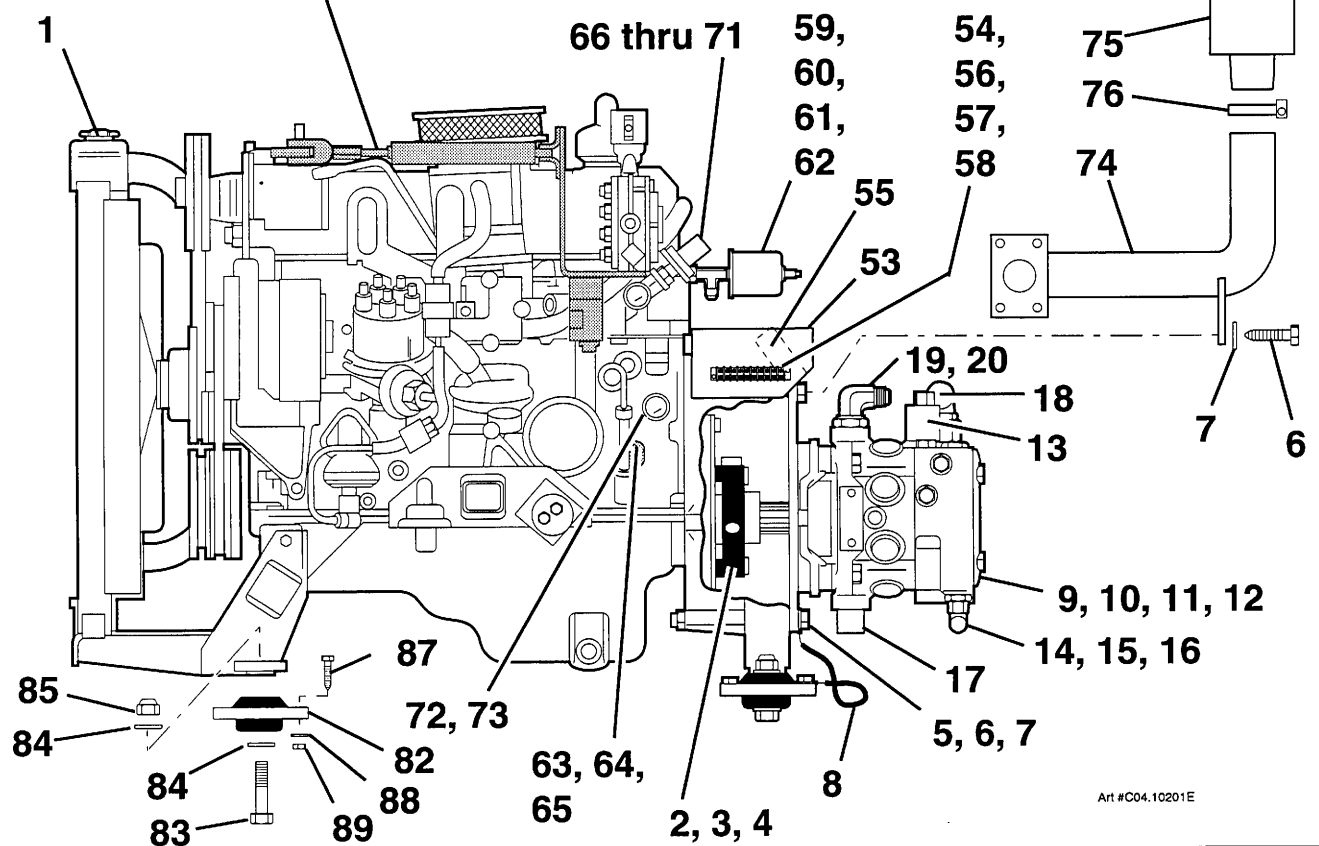
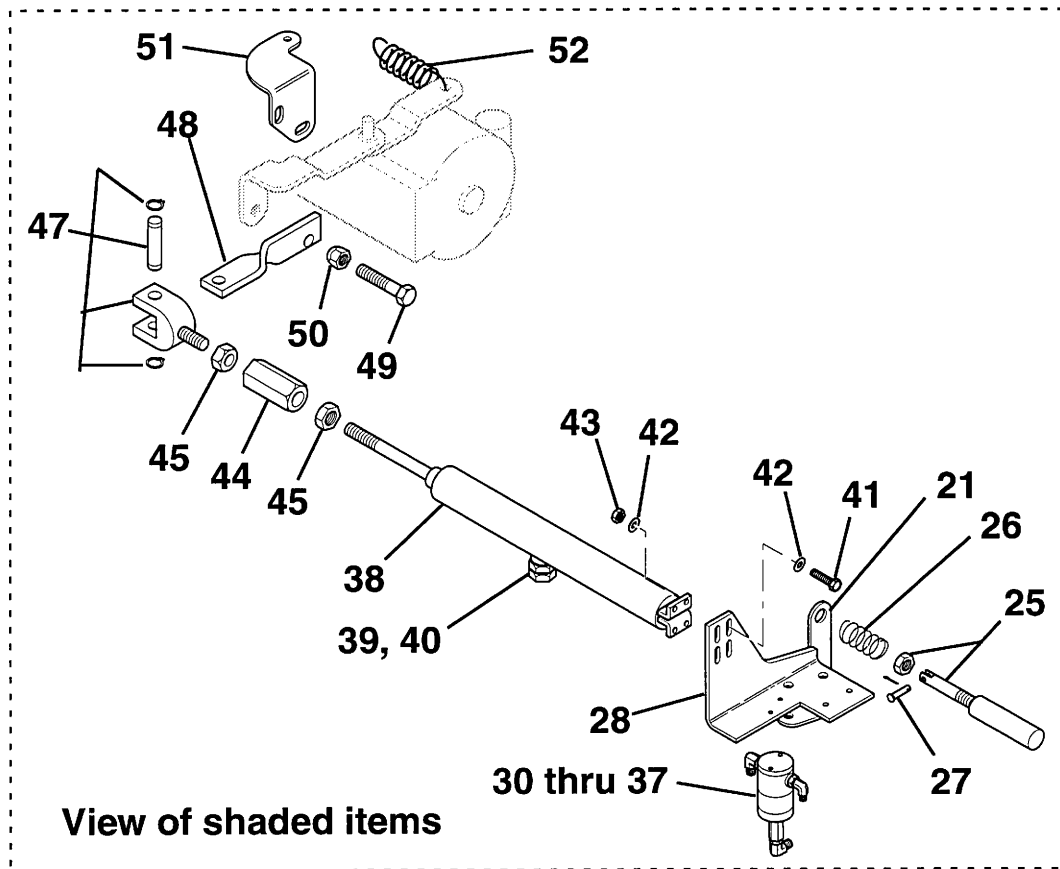
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE ASSEMBLY (Ford LSG-423) (63 HP [47 Kw] liquid cooled four cylinder)	
	353 1290		Trailblazer 40 (Gasoline)	1
	353 1310		Trailblazer 40 (Dual fuel)	1
	353 6480		Trailblazer 50 or 60 (Gasoline)	1
	353 6490		Trailblazer 50 or 60 (Dual fuel)	1
1			ENGINE 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

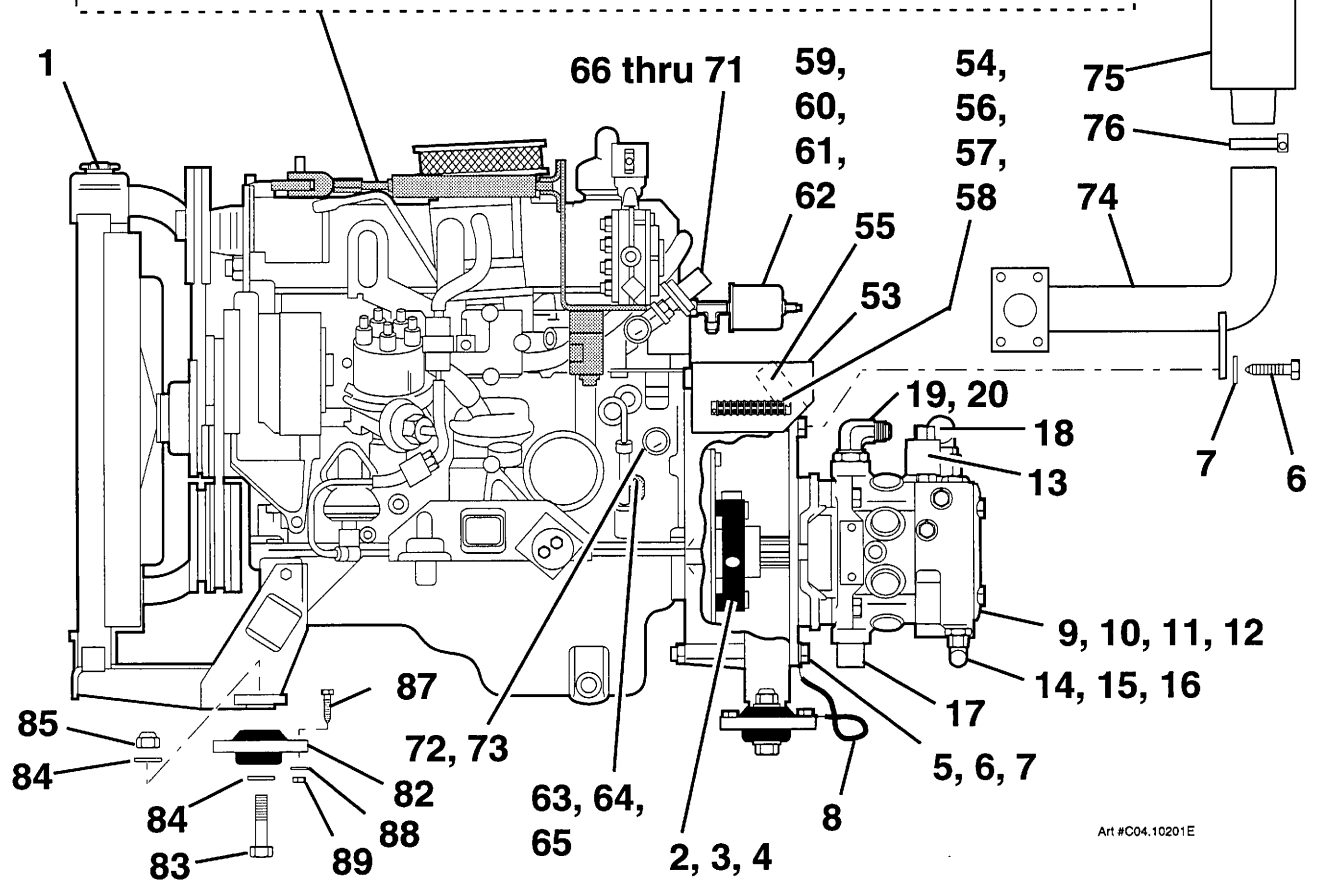
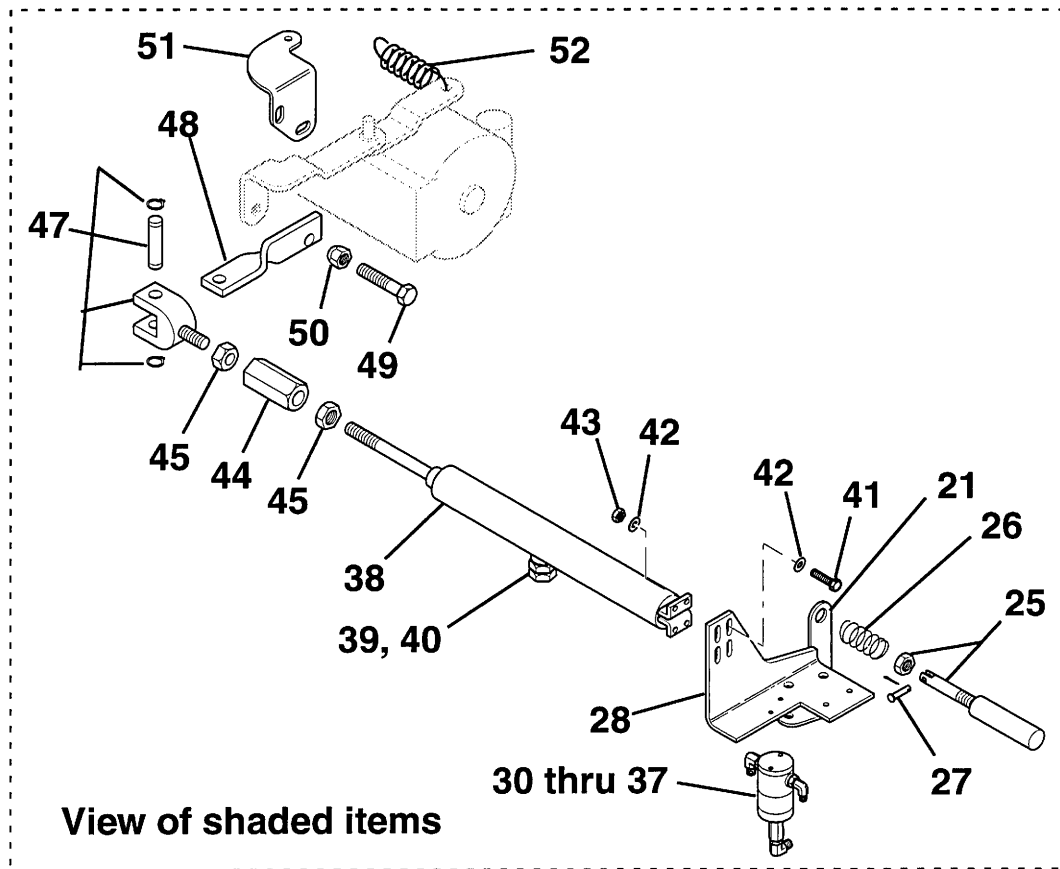
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
26	10-110600		SPRING, CHOKE RETURN	1
27	07-075414		ROLL PIN (1/8" x 1")	1
28	211 3350		BRACKET, THROTTLE (comes with engine)	1
29			SCREW (Bracket to engine)	2
30	09-000405		VALVE, ENGINE SOLENOID	1
31	06-198600		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.**

REV. 23 JAN., 1996

PART NO.



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

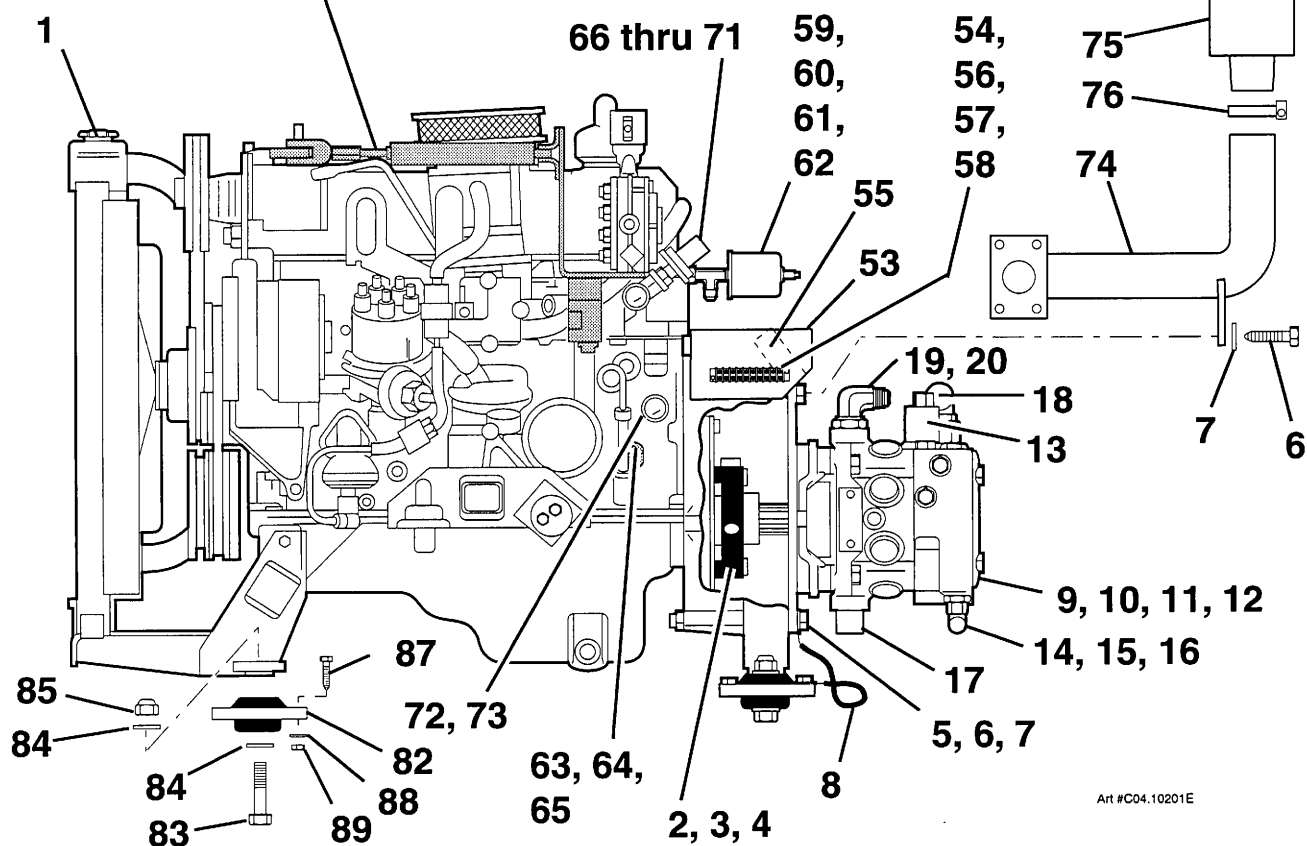
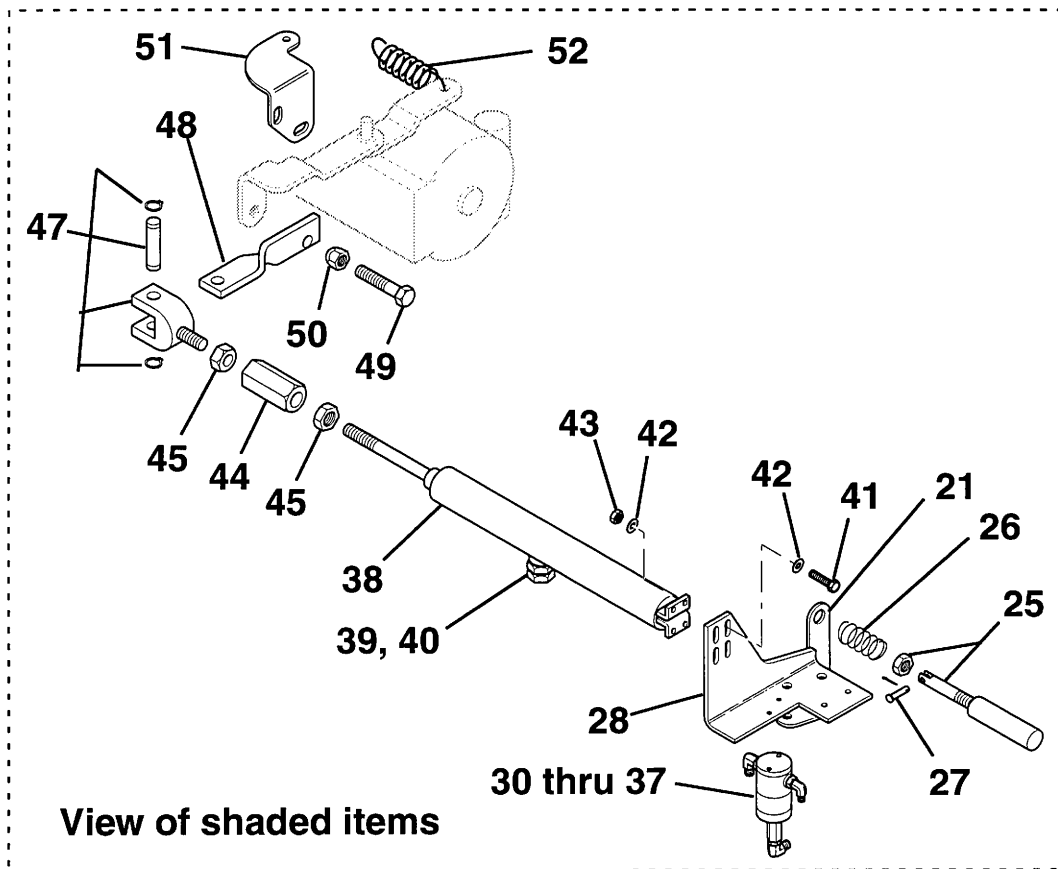
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
59	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1
60	06-199300		FITTING, COMPRESSION (Straight, 3/16" to 1/8")	1
61	06-074600		STREET TEE (1/8 MRO-S)	1
62	06-070600		REDUCER, PIPE THREAD (1/4 x 1/8 PTR-S)	1
63	06-199300		FITTING, COMPRESSION (Straight, 3/16" 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

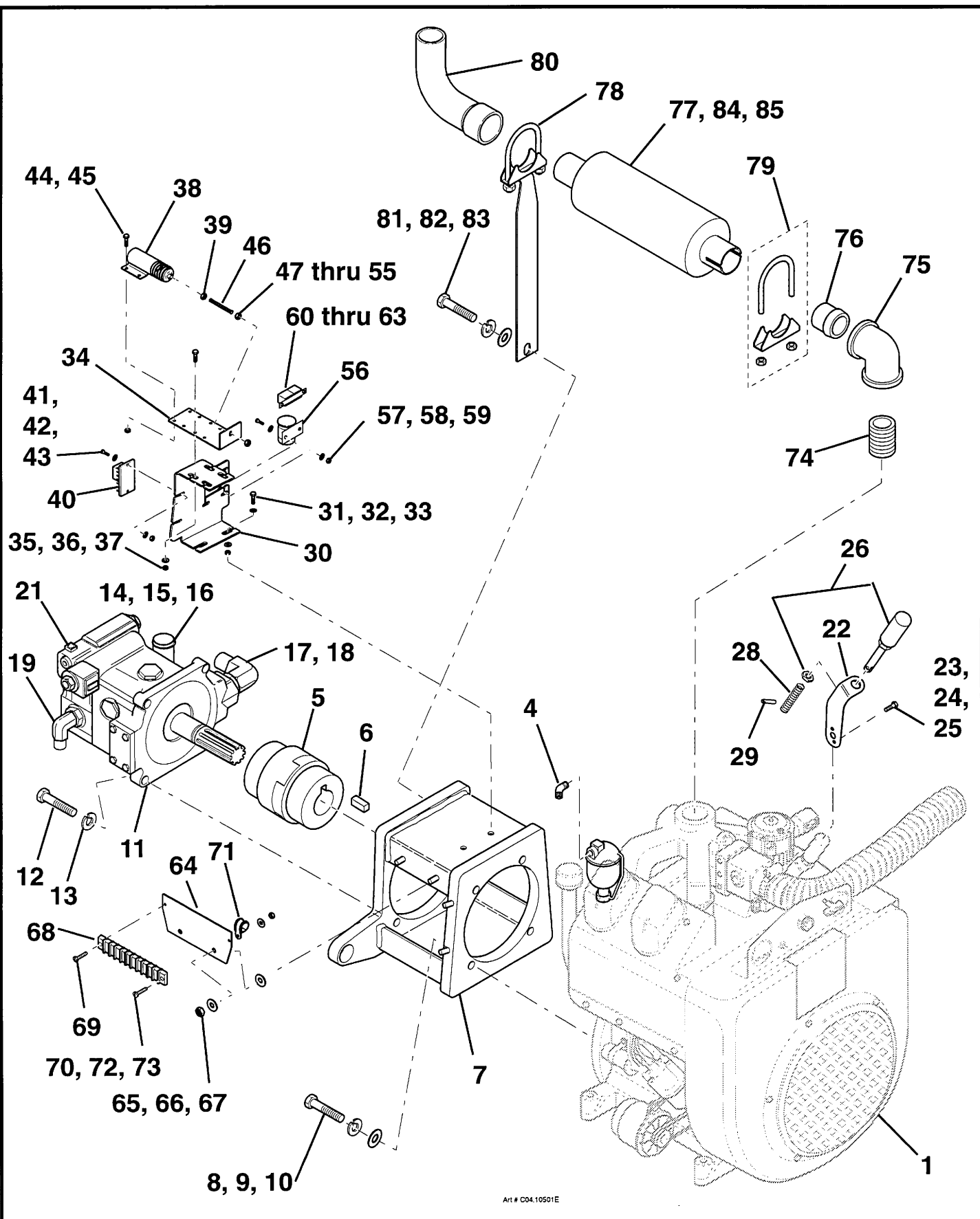
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5320		ENGINE ASSEMBLY (Wisconsin V-465) (65 HP [48 Kw] air cooled four cylinder) Gasoline	1
	353 5330		Dual fuel	1
			ENGINE ASSEMBLY (Wisconsin V-465)	
2	09-007000		65 HP (48 Kw) air cooled gas four cylinder	1
	09-027000		65 HP (48 Kw) air cooled dual fuel four cylinder	1
	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI) (Not shown. On other side of engine.)	1
3	06-079700		PLUG, HEX SOCKET (1/8 HHP-S)	1
4	06-009300		45° ELBOW, MALE 37° TO NPT (4 VTX-S) (on fuel sediment bowl)	1
5	02-011300		COUPLING ASSEMBLY	1
6	11-006006		KEY, SQUARE (1/2" x 2-1/4")	1
7	212 9770		ADAPTER, PUMP	1
8	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	4
9	07-065021		WASHER, HELICAL LOCK (5/8")	4
10	07-062021		WASHER, FLAT (5/8")	4
11			PUMP, HYDRAULIC	1
	01-019500	D08.13	Earlier style (Marked "*ROPV 322 XXXXXX" and "2472 R11531") (includes four screws, Item 12 below)	
	01-236900	D08.15	Later style (Marked "PAVC 65X 3224")	
12			CAP SCREW, HEX HEAD (1/2"-13 x 2-1/4", Grade 5)	4
13	07-065018		WASHER, HELICAL LOCK (1/2")	4
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		FLANGE (4 bolt SAE #1, LI-16-16S-30)	1
18	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C5OX-S)	2
19	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C5OX-S)	1
20	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F5OX-S)	1
21	01-013700		VALVE, SOLENOID (2 way)	1
22	214 1550		BRACKET, CHOKE	1
23	07-092800		CAP SCREW, SOCKET HEAD (#8-32 x 1/2", Grade 8)	2
24	07-092900		WASHER, INTERNAL TOOTH LOCK (#8)	2
25			LEVER, CHOKE (comes with engine)	1
26	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
27			LINKAGE, CHOKE (comes with engine)	1
28	10-110600		SPRING, CHOKE RETURN	1
29	07-075414		ROLL PIN (1/8" x 1")	1

TITLE ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 1 OF 4)

PLATE NO. C04.105 **SIMON AERIALS INC.**

NEW 25 JAN., 1996

PART NO.



Art # C04.10501E

TITLE

ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 1 OF 4)

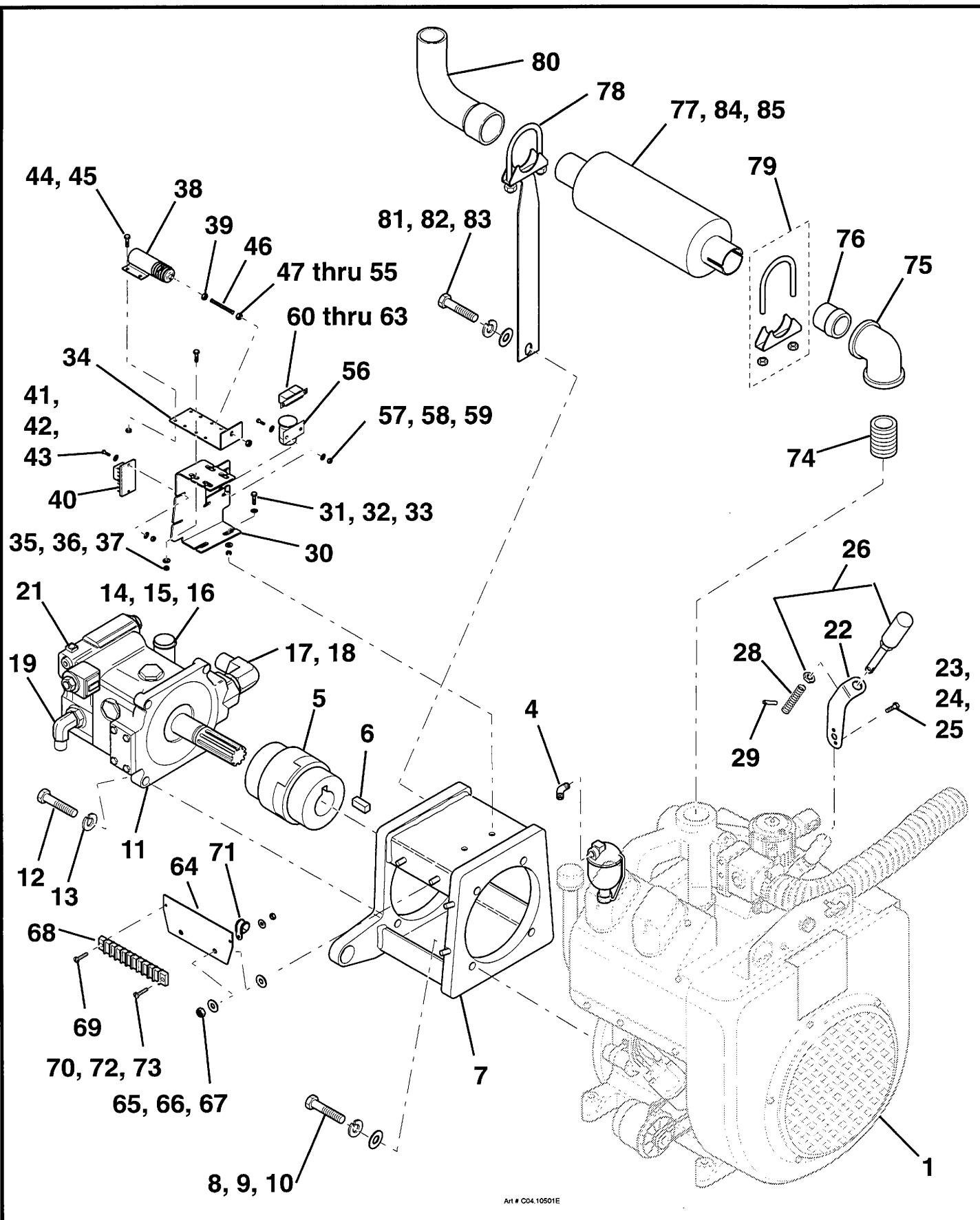
SIMON AERIALS INC.

NEW 25 JAN., 1996

PART
NO.

PLATE
NO. C04.105

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	215 0290		BRACKET, THROTTLE SOLENOID	1
31	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
32	07-060016		WASHER, FLAT (3/8" SAE)	4
33	07-050016		NUT, STOP (3/8"-16)	2
34	231 9440		BRACKET, LOW THROTTLE	1
35	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4
36	07-060014		WASHER, FLAT (1/4" SAE)	4
37	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
38	03-456900		SOLENOID, THROTTLE (with module)	1
39			NUT, JAM (comes with throttle solenoid)	1
40	03-456803		MODULE, TIMER	1
41	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 5)	2
42	07-062009		WASHER, FLAT (#8)	4
43	07-050011		NUT, HEX LOCK (#10-24, Grade 2)	2
44	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
45	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
46	11-008005		ROD, THREADED (1/4"-28 x 3 Ft [.91 M] long. 4-3/4" [121 mm] long piece needed in this application.)	A.R.
47	07-047114		NUT, JAM (1/4"-28, Grade 5)	3
48	08-074000		CHAIN, BEAD (#13, 1/4" dia, stainless steel) (Bulk item, order as needed. Three balls needed in this application.)	A.R.
49	08-074100		COUPLING, END (for #13 bead chain)	2
50	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	1
51	07-062009		WASHER, FLAT (#8)	3
52	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	1
53	210 7940		NUT, COUPLING (1/4"-28, modified)	1
54	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	1
55	07-050007		NUT, STOP (#6-32, Grade 5)	1
56	03-051300		RELAY, SOLENOID (Single pole, single throw, continuous duty)	1
57	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	2
58	07-060014		WASHER, FLAT (1/4" SAE)	4
59	07-050014		NUT, HEX LOCK (1/4"-20)	2
60	03-467500		RELAY, CHOKE (Single pole, single throw, 12 Volt DC, normally open, sealed)	1
61	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	1
62	07-060014		WASHER, FLAT (1/4" SAE)	2
63	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	1
TITLE ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 2 OF 4)				
PLATE NO. C04.105		SIMON AERIALS INC.		PART NO.
NEW 25 JAN., 1996				



Art # C04.10501E

TITLE ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 2 OF 4)

SIMON AERIALS INC.

NEW 25 JAN., 1996

PART
NO.

PLATE
NO. C04.105

PARTS LIST

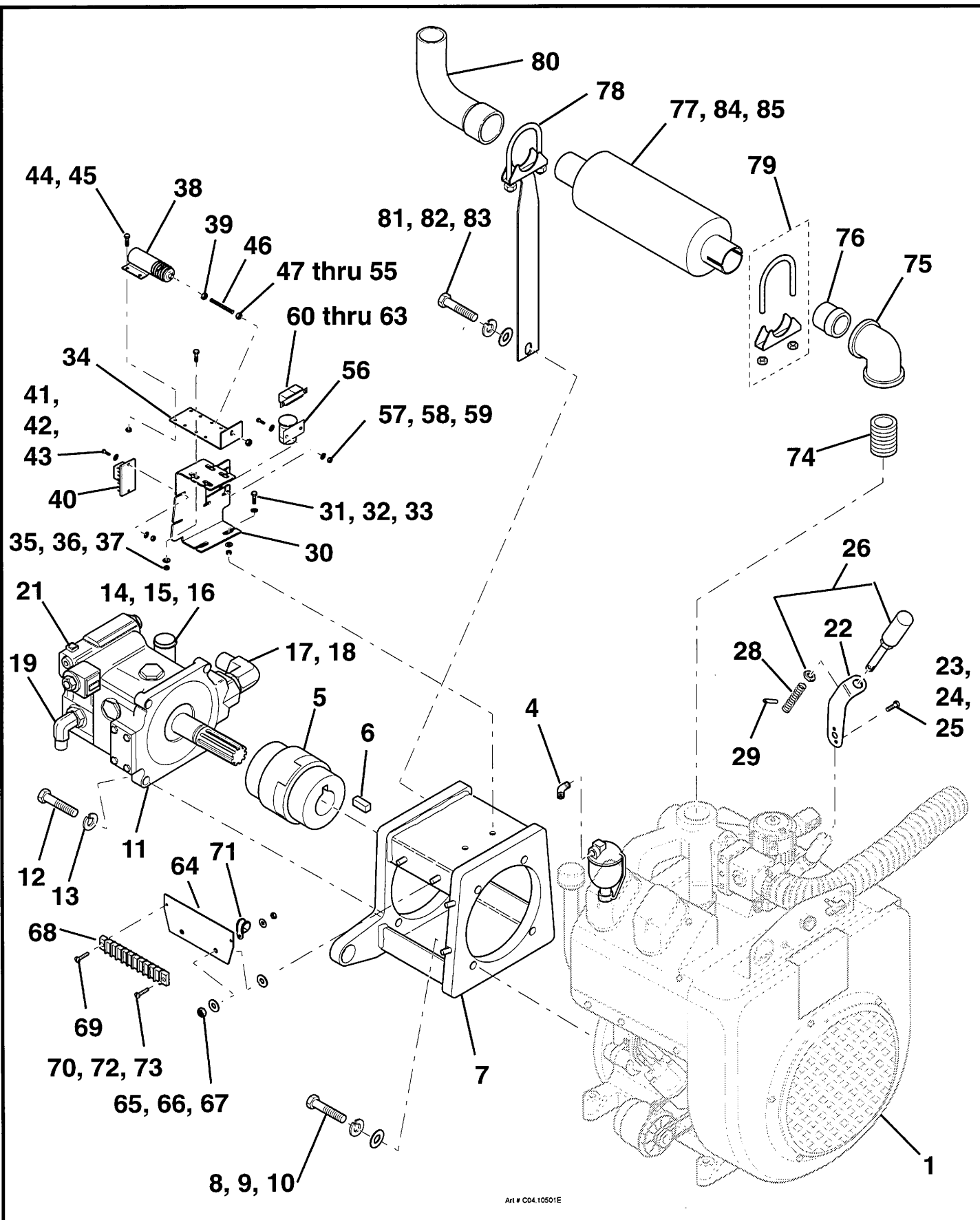
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
64	230 1520		BRACKET, TERMINAL STRIP (7" [178 mm])	1
65	07-062016		WASHER, FLAT (3/8")	2
66	07-062015		WASHER, FLAT (5/16")	2
67	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
68	03-468700		STRIP, TERMINAL (Barrier type, 14 contact)	1
69	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	1
70	07-011345		MACHINE SCREW, PAN HEAD (#8-32 x 1", Grade 2)	1
71	10-061200		CLAMP, LOOP (3/4")	1
72	07-062009		WASHER, FLAT (#8)	1
73	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	2
74	11-020017		CLOSE NIPPLE (2" NPT)	1
75	11-050001		90° ELBOW (2" NPT female, 2" long)	1
76	231 9600		ADAPTER, MUFFLER	1
77	231 9680		MUFFLER ASSEMBLY	1
78	231 9670		BRACKET, MUFFLER SUPPORT	1
79	09-015400		CLAMP, MUFFLER (2")	1
80	09-053900		ELBOW, EXHAUST	1
81	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	1
82	07-062018		WASHER, FLAT (1/2")	1
83	07-065018		WASHER, HELICAL LOCK (1/2")	1
84	11-085900		FABRIC, HIGH TEMPERATURE (60" wide)	
			(Bulk item, order as needed)	A.R.
85	11-086000		FABRIC, HIGH TEMPERATURE (2" strip)	
			(Bulk item, order as needed)	A.R.
86	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)	
			(25 Ft [7.6 M] required this application)	A.R.
87	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	
			(3 Ft [.9 M] required this application)	A.R.
88	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item)	
			(.5 Ft [15.2 cm] required this application)	A.R.
89	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk item)	
			(6 Ft [1.8 M] required this application)	A.R.
90	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item)	
			(6 Ft [1.8 M] required this application)	A.R.
91	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.)	
			(4 Ft [1.2 M] required this application)	A.R.
92	03-064000		TIE, CABLE (7.4" [188 mm] long)	1
93	03-439000		TIE, CABLE (3.62" [92 mm] long)	14
94	03-469200		SOCKET, RELAY	3
95	03-074000		CABLE, BATTERY (Black, 9-3/4" [24.8 cm] long, 3/8" lugs)	1

TITLE ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 3 OF 4)

PLATE NO. C04.105 **SIMON AERIALS INC.**

NEW 25 JAN., 1996

PART NO.



Art # C04.10501E

TITLE ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 3 OF 4)

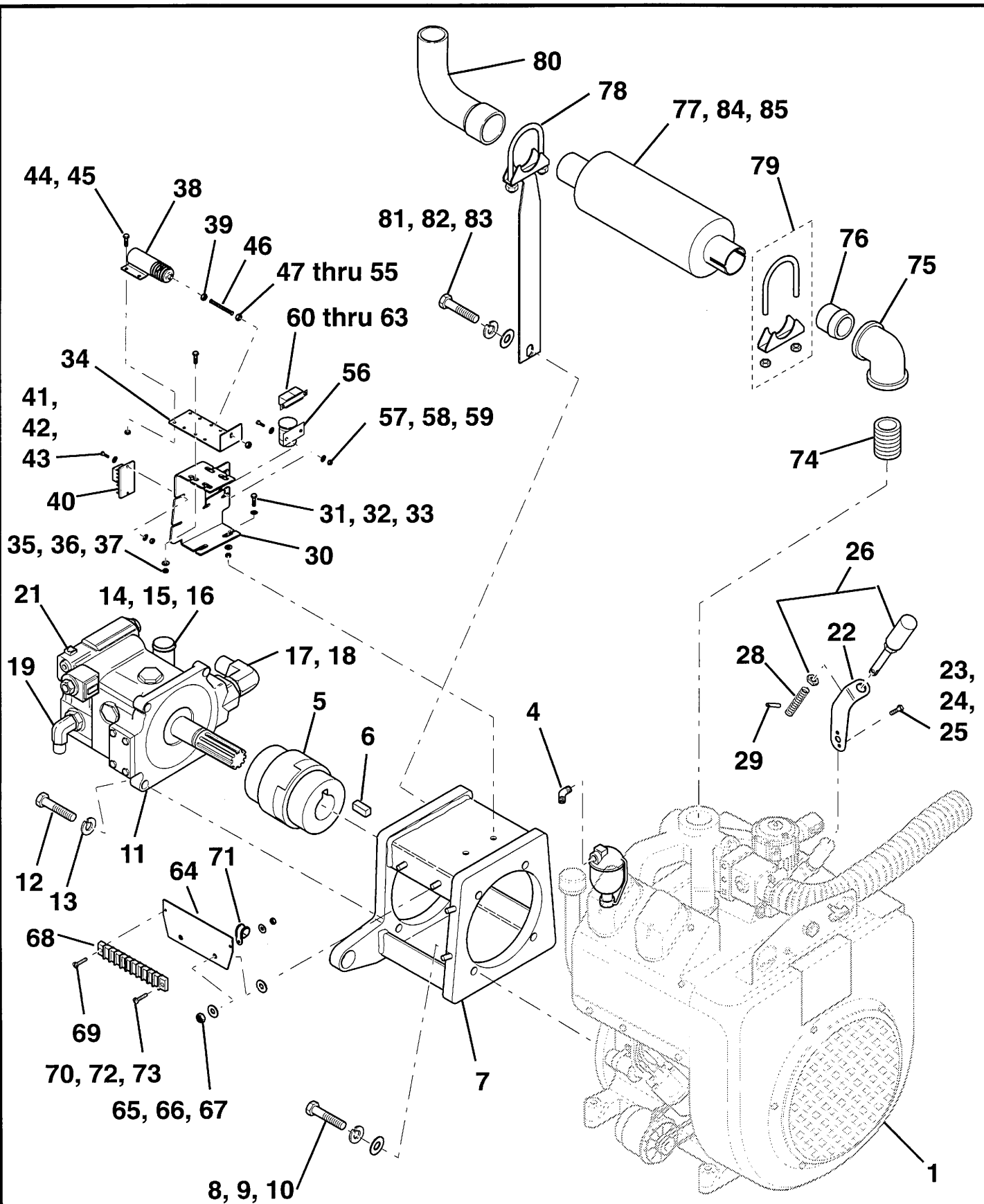
SIMON AERIALS INC.

NEW 25 JAN., 1996

PART
NO.

PLATE
NO. C04.105

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TITLE

ENGINE ASSEMBLY, WISCONSIN V-465 (PLATE 4 OF 4)

SIMON AERIALS INC.

NEW 25 JAN., 1996

PART
NO.

PLATE
NO. C04.105

PARTS LIST

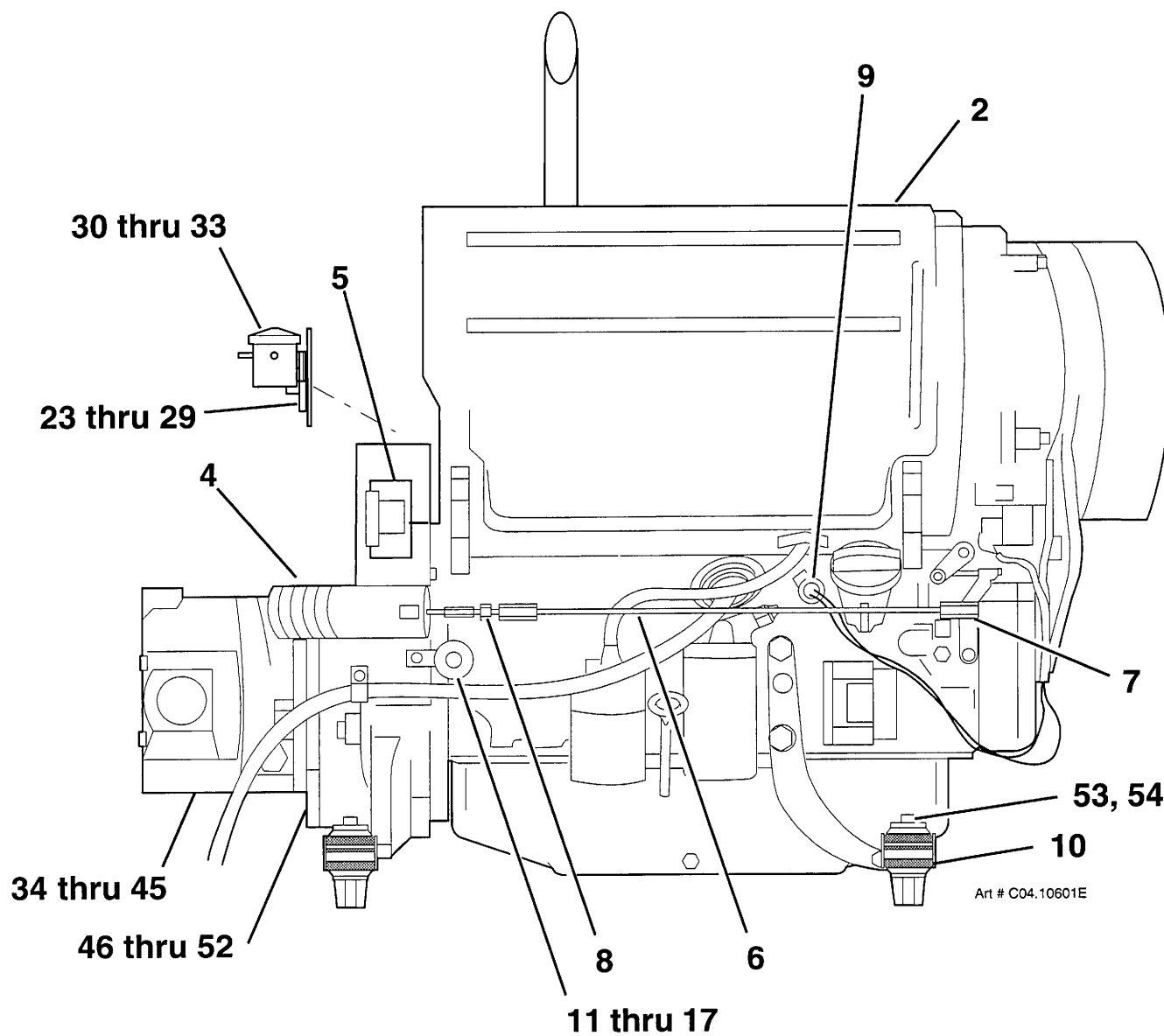
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3534130		ENGINE ASSEMBLY (Deutz Model F4L1011)	1
2	09-046300		ENGINE, DIESEL (Deutz Model F4L1011)	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
4	03-469400		SOLENOID, THROTTLE (does not include module)	1
5	03-456803		MODULE, THROTTLE SOLENOID	1
6	03-469402		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	2190310		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, 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)	2
17	09-052200		SENDING UNIT, OIL PRESSURE	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")	2
20	07-062016		WASHER, FLAT (3/8")	2
21	06-084600		ELBOW, 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 MOUNTING	1
24	07-005184		CAP SCREW, HEX HEAD (M10 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, LOCK (1/4"-20, Grade 5)	2

TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 1 OF 2)

PLATE NO. C04.106 **SIMON AERIALS INC.**

NEW 27 JAN., 1994

PART NO.



TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 1 OF 2)

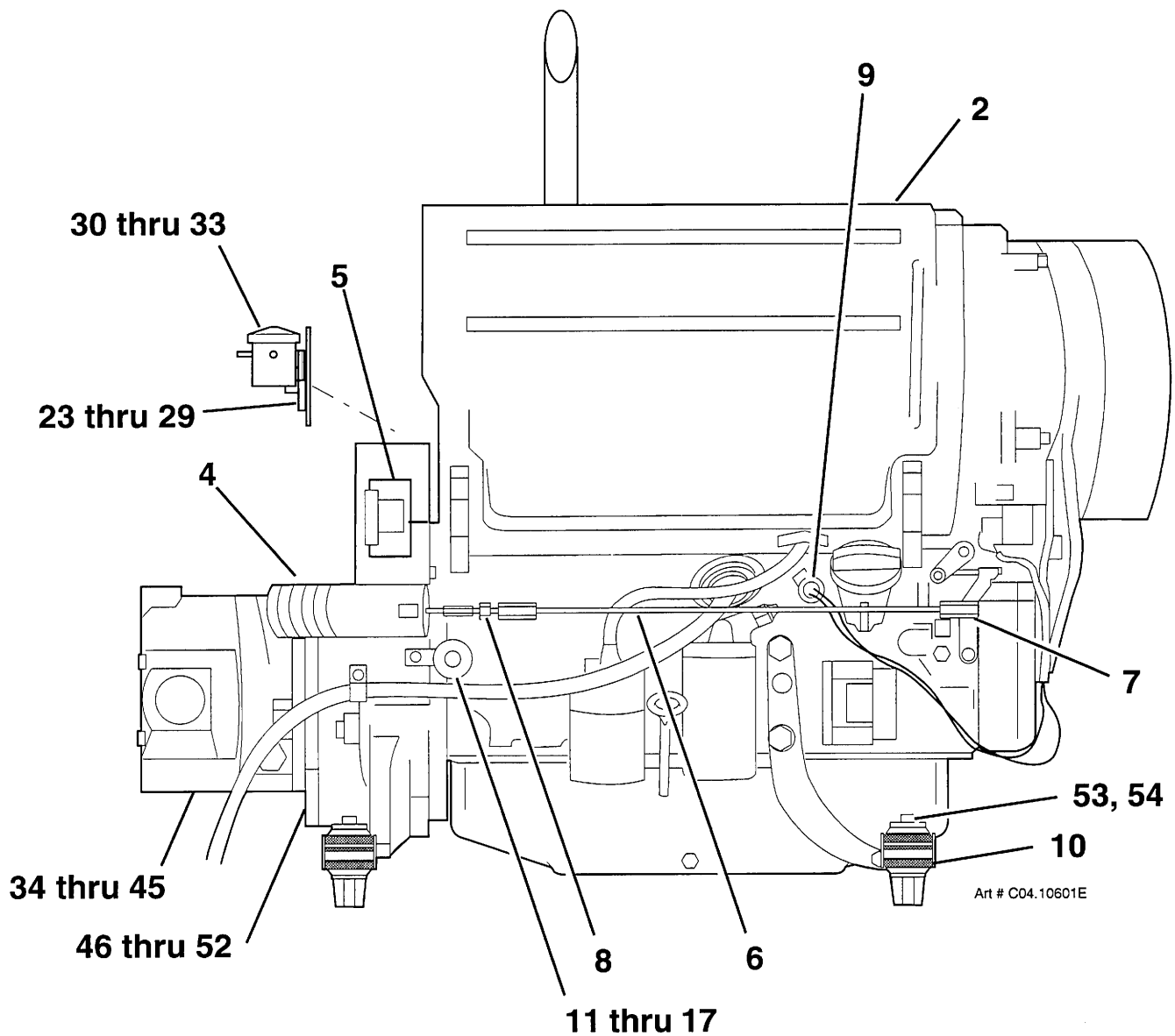
SIMON AERIALS INC.

NEW 27 JAN., 1994

**PART
NO.**

**PLATE
NO.** C04.106

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	See Index .	D08.--	PUMP, HYDRAULIC	1
35	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
36	07-060021		WASHER, FLAT (5/8")	4
37	07-065021		WASHER, HELICAL LOCK (5/8")	4
38	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
39	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
40	07-065018		WASHER, HELICAL LOCK (1/2")	4
41	06-202100		FITTING, FLANGED (LI-16-16S-30)	1
42	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2
43	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
44	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1
45	01-013700		VALVE, SOLENOID (2-way) (Pump unloading)	1
46	02-011500		ADAPTER, PUMP [1/2" (13 mm) thick] SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to "C" (2 hole, 5" pilot) pump mount	1
47	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	8
48	07-066006		WASHER, LOCK (10 mm)	8
49	03-074000		CABLE, GROUND (Black, 9-3/4' (25 cm) long]	1
50	02-043700		COUPLING ASSEMBLY, PUMP • Used with 02-011500 Pump Adapter. (Replaces 02-033900)	1
	02-033900		• Obsolete. Use 02-043700. 4 segment type, used with 02-011500 Pump Adapter. 6 hole, 8.5" pilot, 14 tooth spline	1
51	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6
52	07-066005		WASHER, LOCK (8 mm)	6
			The following items are not part of the Engine Assembly:	
53	07-004078		CAP SCREW, HEX HEAD (7/16"-14 x 6-1/2", Grade 8)	4
54	07-050017		NUT, HEX LOCK (7/16"-14)	4
TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 2 OF 2)				
PLATE NO.	C04.106	SIMON AERIALS INC.		PART NO.
		NEW 27 JAN., 1994		



TITLE ENGINE ASSEMBLY, DEUTZ F4L 1011 DIESEL (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 27 JAN., 1994

PART
NO.

PLATE
NO. C04.106

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	09-070500 09-070600		ENGINE ASSEMBLY (Ford LRG-423) 63 HP (47 Kw) liquid cooled gas four cylinder 63 HP (47 Kw) liquid cooled dual fuel four cylinder	1
2	-----		RELAY (comes with engine)	1
3	-----		MODULE (Blue. Comes with engine)	1
4	-----		MODULE (Gray. Comes with engine)	1
5	-----		BRACKET, RADIATOR MOUNTING	1
6	-----		BRACKET, FUEL PUMP MOUNTING	1
7	01-236900	D08.15	PUMP, HYDRAULIC (Pump is marked "PAVC 65 X 3224")	1
8	-----		PANEL, REMOTE ELECTRICAL MOUNTING	1
9	235 3930		BRACKET, CHOKE SOLENOID	1
10	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
11	07-075414		ROLL PIN (1/8" x 1")	1
12	-----		ROD (1/16" dia. x 6" long)	1
13	03-468700		STRIP, TERMINAL (14 contact)	1
14	03-467500		RELAY (Single pole, single throw, 12 Volt DC, normally open, sealed)	1
15	03-469200		BRACKET, CHOKE RELAY	1
16	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item, order as needed.)	A.R.
17	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item, order as needed.)	A.R.
18	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item, order as needed.)	A.R.
19	03-473800		PLUG, TERMINAL (Male, 4 conductor)	2
20	03-473700		HOUSING, TERMINAL (Female, 4 conductor)	2
21	-----		PLUG, TERMINAL (Male, 2 conductor)	1
22	03-486000		HOUSING, TERMINAL (Female, 2 conductor)	1
23	03-473900		TERMINAL, PIN	A.R.
24	03-474000		TERMINAL, SOCKET (for #14 to #16 wire)	A.R.
25	-----		BOOT, SINGLE WIRE TERMINAL	20
26	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed. 6 Ft [1.83 M] needed in this application.)	A.R.
27	10-061600		CLAMP, LOOP (1", G-16)	2

TITLE

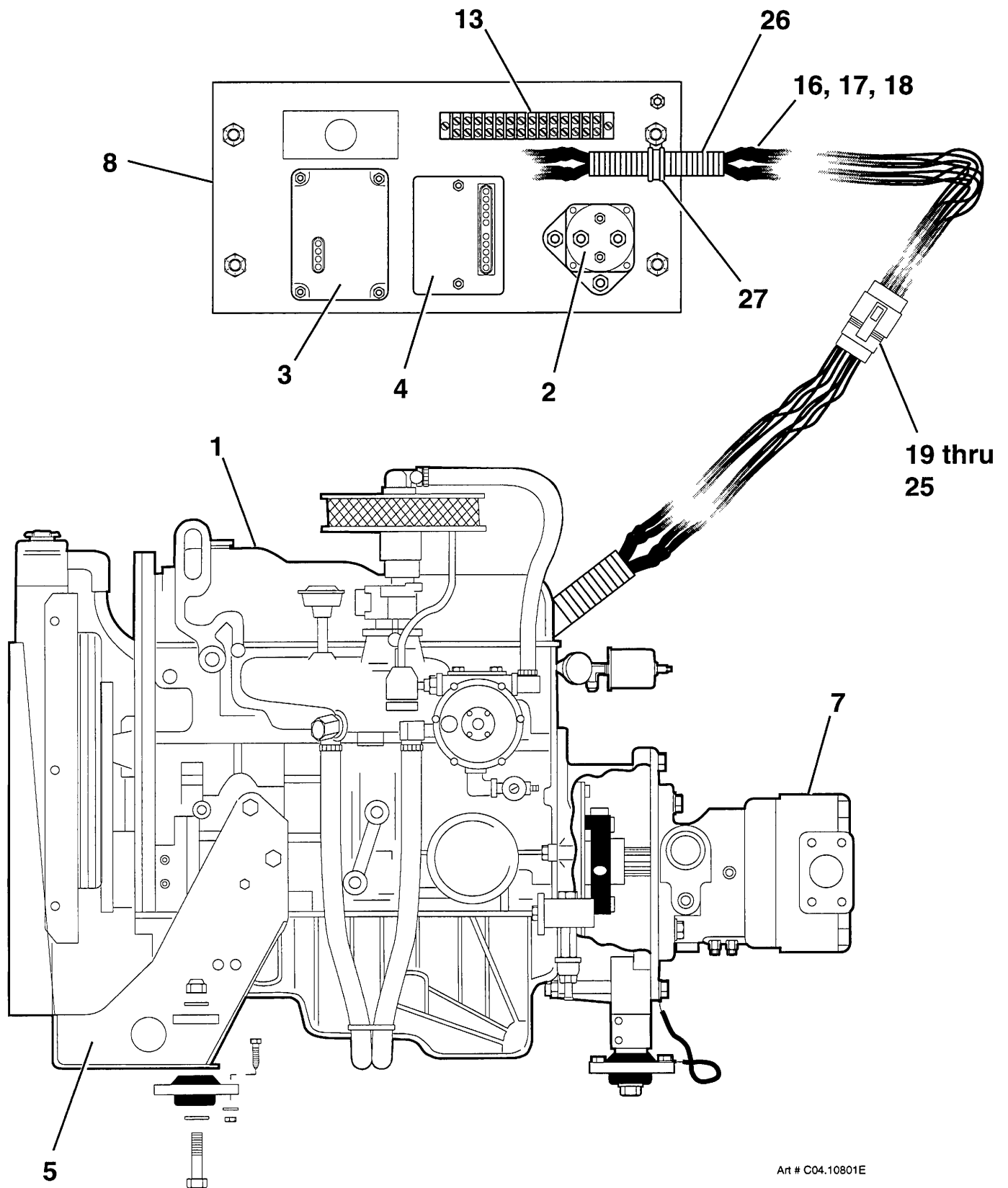
ENGINE ASSEMBLY, FORD LRG-423

PLATE NO. C04.108

SIMON AERIALS INC.

NEW 24 JAN., 1996

PART NO.



Art # C04.10801E

TITLE

ENGINE ASSEMBLY, FORD LRG-423

SIMON AERIALS INC.

NEW 24 JAN., 1996

PART
NO.

PLATE
NO. C04.108

PARTS LIST

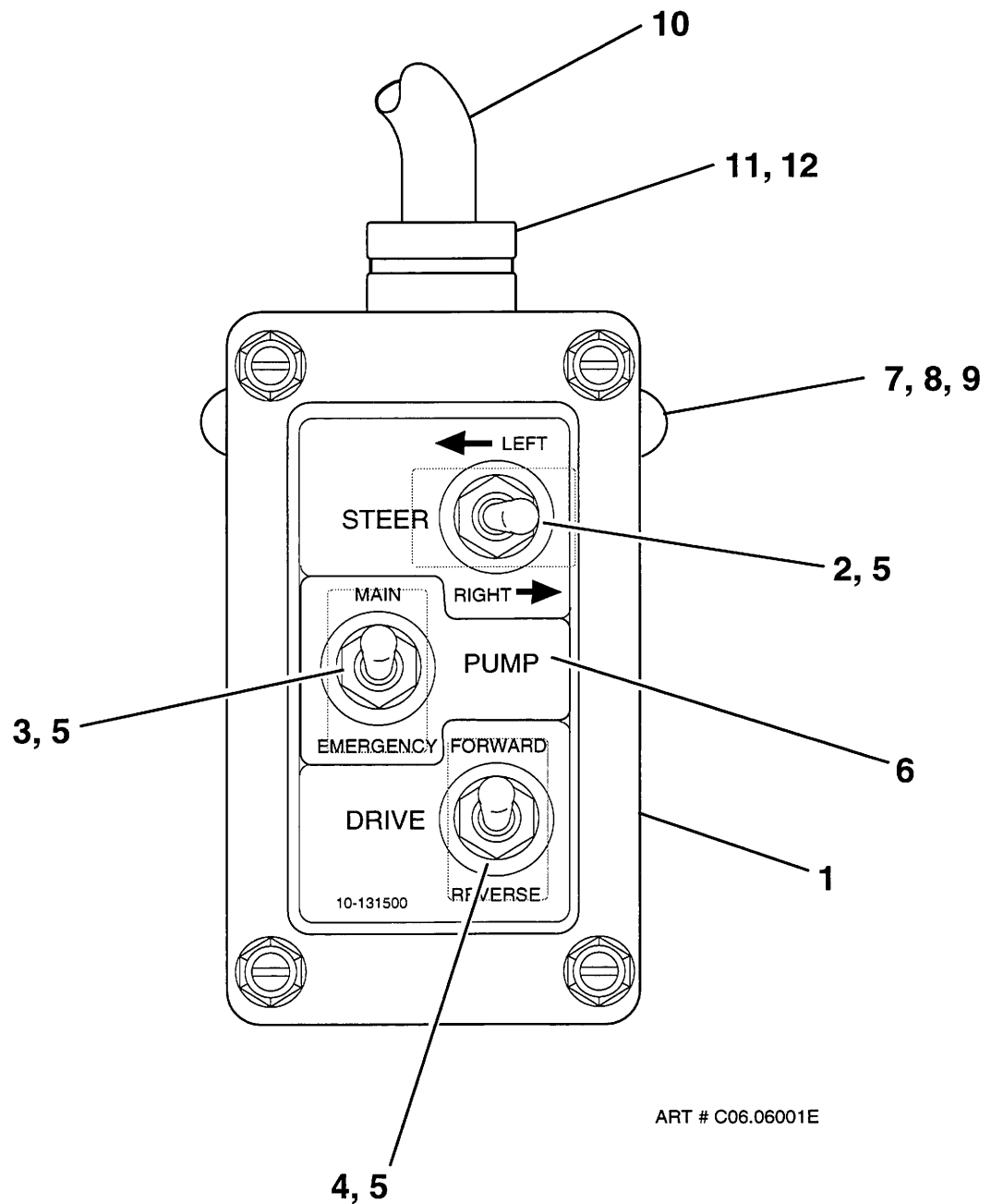
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TITLE PENDANT ASSEMBLY, REMOTE CONTROL

PLATE NO. C06.06	SIMON AERIALS INC.	REV. 07 SEP., 1995	PART NO. 352 9370
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PART NO. 352 9370

PART NO. 352 9370



ART # C06.06001E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 07 SEP., 1995

PART
NO.

352 9370

PLATE
NO.

C06.06

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	219 5570		CONSOLE WELDMENT, PLATFORM	1
2	10-069600		CLAMP, TUBE (1-1/4" O.D.)	4
3			PLACARD, PLATFORM CONTROL	1
	10-145000		Lexan (Standard)	
	10-241100		Stencil-cut Aluminum (Option)	
	10-241400		SPACER (required with aluminum placard)	6
4	353 0760	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	353 3910	C02.101	VALVE BANK, PLATFORM CONTROL	1
9	219 9290		BRACKET, VALVE BANK MOUNTING	1
10	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
11	07-062015		WASHER, FLAT (5/16")	4
12	07-065015		WASHER, HELICAL LOCK (5/16")	4
13	353 3920	D14.04	VALVE, PLATFORM LEVEL AND ROTATE	1
14	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
15	07-062014		WASHER, FLAT (1/4")	4
16	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
17	01-001900		VALVE, CHECK (Pilot operated)	1
18	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	2
19	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S)	2
20	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
21	07-062016		WASHER, FLAT (3/8")	4
22	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
23	01-034400		VALVE, 2 WAY (includes coil)	1
24	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1
25	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S)	1
26	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
27	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2
28	07-062014		WASHER, FLAT (1/4")	4
29	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
30	03-464600		ALARM, TILT (12-24 Volt DC, 102 DB)	1
31	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	2
32	07-062014		WASHER, FLAT (1/4")	2
33	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
34	03-062100		BOX, DUPLEX OUTLET (Weatherproof)	1
35	03-067000		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
36	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1
37	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4", Grade 5)	4
38	07-062007		WASHER, FLAT (#6)	4
39	03-042000		CONNECTOR, CABLE (2 screw, 3/8")	1

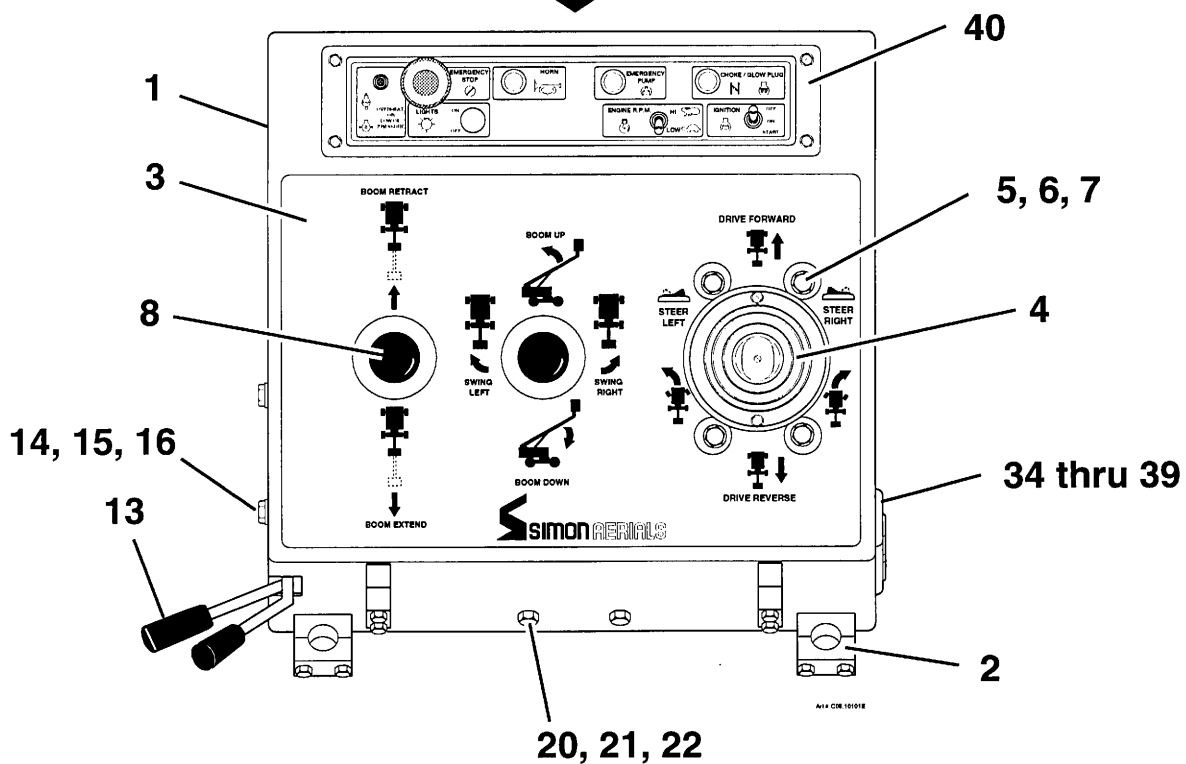
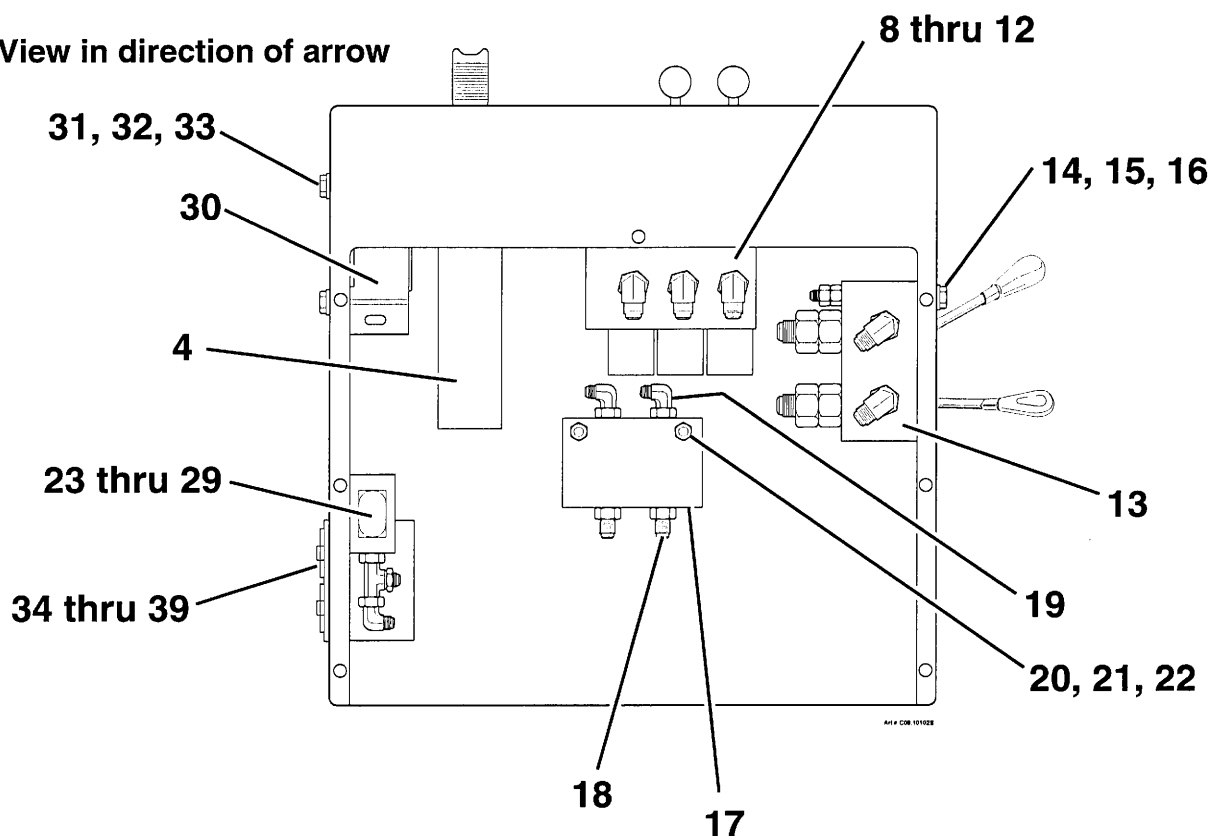
TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

PLATE NO. C08.102 **SIMON AERIALS INC.**

REV. 05 JAN., 1996

PART NO. 353 3900

View in direction of arrow



TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 05 JAN., 1996

PART
NO.

353 3900

PLATE
NO.

C08.102

PARTS LIST

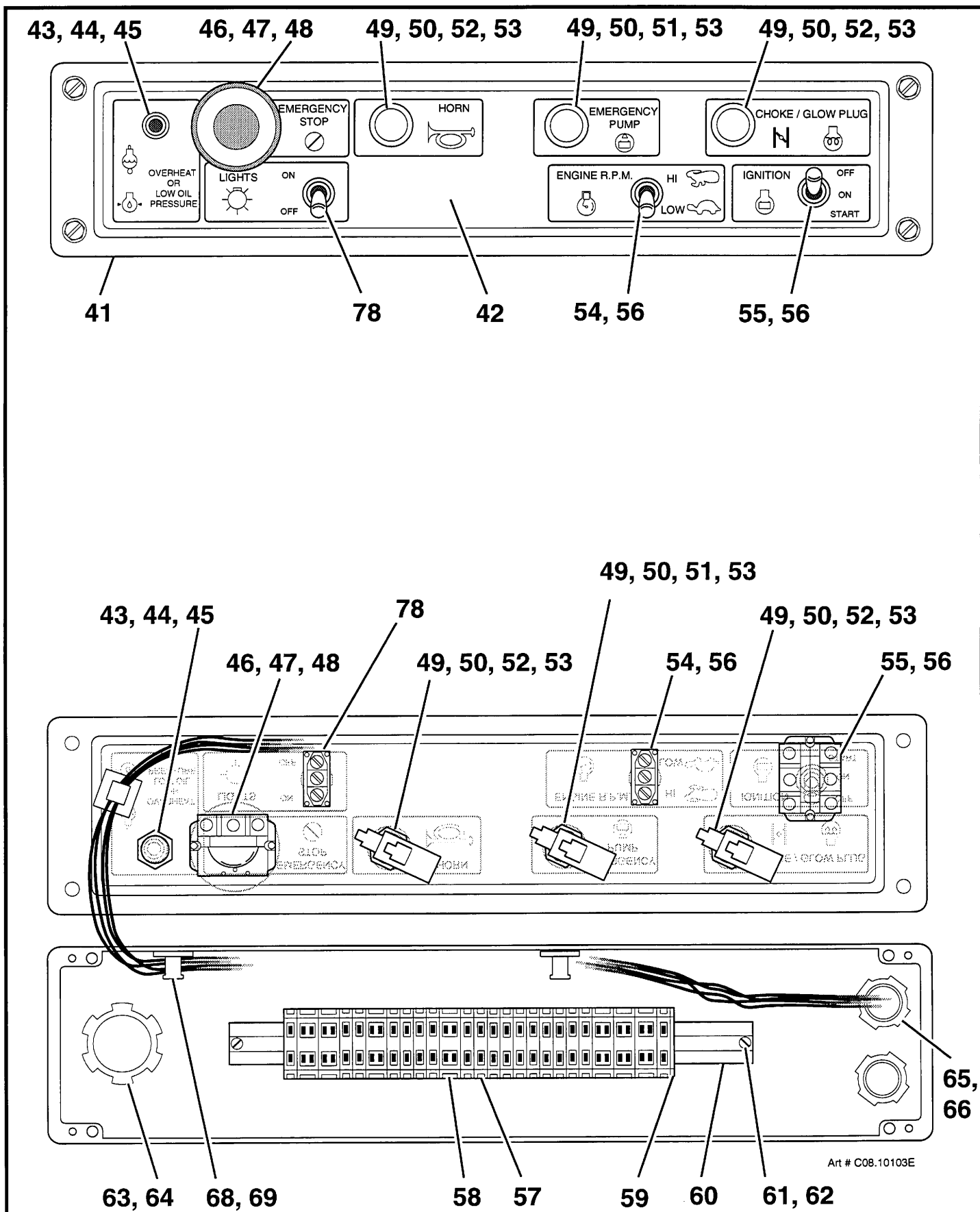
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
40	352 9460		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
41			BOX, ELECTRICAL (Drilled. Includes cover and screws)	1
	219 9360		for use with decal having red background at Emergency Stop button (Type 1)	1
	232 3810		for use with decal having yellow background at Emergency Stop button (Type 2)	1
42			DECAL, PLATFORM ELECTRICAL BOX	1
	10-145900		Type 1. Area surrounding Emergency Stop button is red with white lettering	1
	10-222300		Type 2. Aarea surrounding Emergency Stop button is yellow with red lettering	1
43			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
44	03-481300		HOLDER, DIODE (used only with " Type 1 " diode)	1
45	03-481100		RESISTOR (470 Ohm) (used only with " Type 1 " diode)	1
46			BUTTON, EMERGENCY STOP	1
	03-496000		(Red and silver, "pull to release" type) (earlier style)	
	03-702000		(Red, "pull to release" type) (current style)	
47	03-454900		BASE, CONTACT BLOCK	1
48			BLOCK, CONTACT (Normally closed)	1
	03-496300		For earlier style (Red/ silver) Emergency Stop Button	
	03-437300		For later style (Red) Emergency Stop Button	
49	03-402500		SWITCH (10 Amp, 250 Volt AC)	3
50	03-402600		SEAL, SWITCH BEZEL	3
51	03-402700		BUTTON, SWITCH (Red) (Emergency Pump)	1
52	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	2
53	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	3
54	03-020400		SWITCH, TOGGLE (Engine throttle) (2 position, maintained contact, single pole, single throw)	1
55	03-032600		SWITCH, TOGGLE (Engine start)	
			(3 position, 2 maintained and 1 momentary contact, double pole, double throw)	1
56	03-497900		SEAL, PANEL	2
57	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19
58	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8
59	03-036700		PLATE, TERMINAL BLOCK END	1

TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)

PLATE NO. C08.102 **SIMON AERIALS INC.**

REV. 05 JAN., 1996

PART NO. 353 3900



TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 05 JAN., 1996

PART
NO.

353 3900

PLATE
NO.

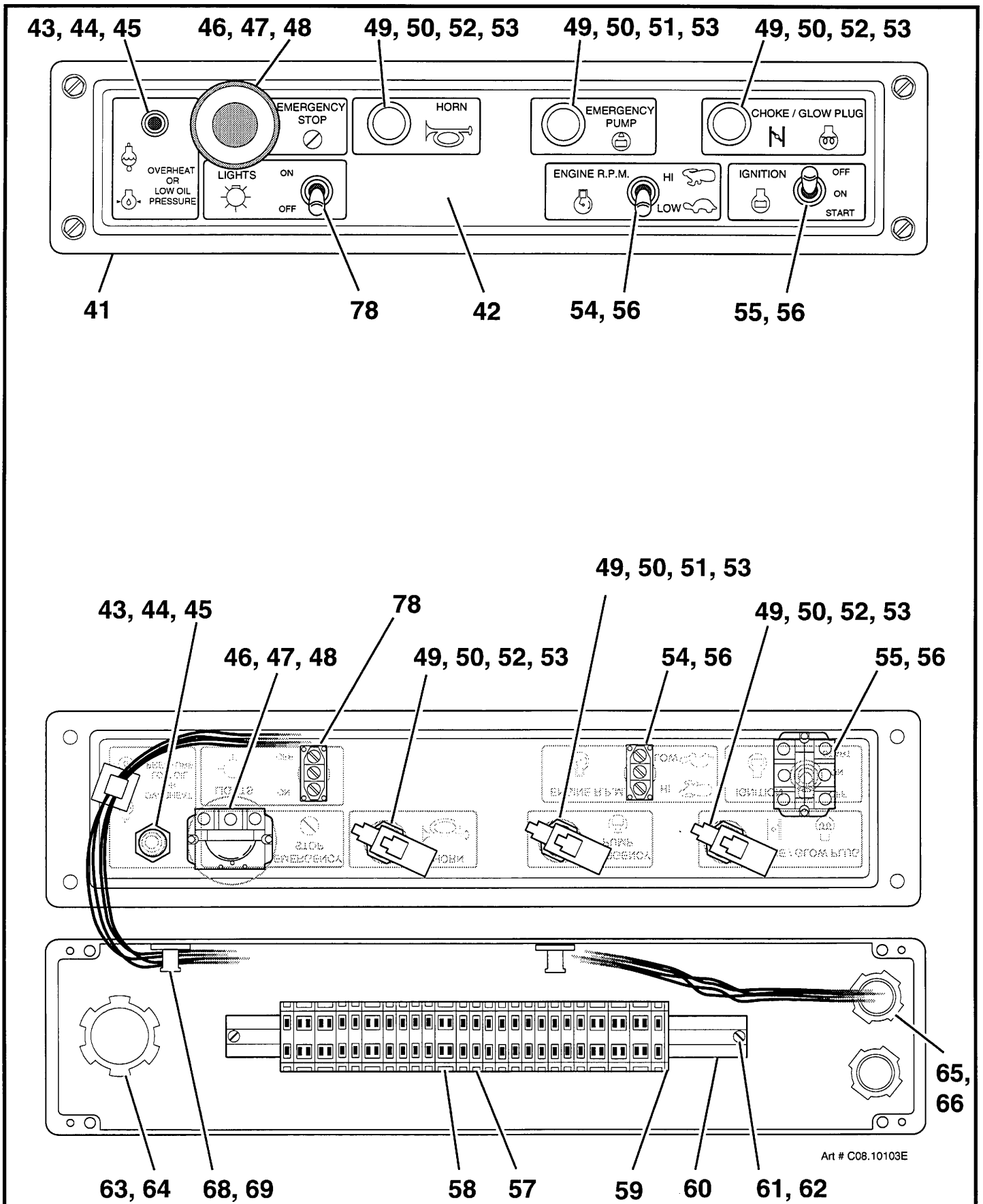
C08.102

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TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

PLATE NO. C08.102	SIMON AERIALS INC.	REV. 05 JAN., 1996
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PART NO.	353 3900
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TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 05 JAN., 1996

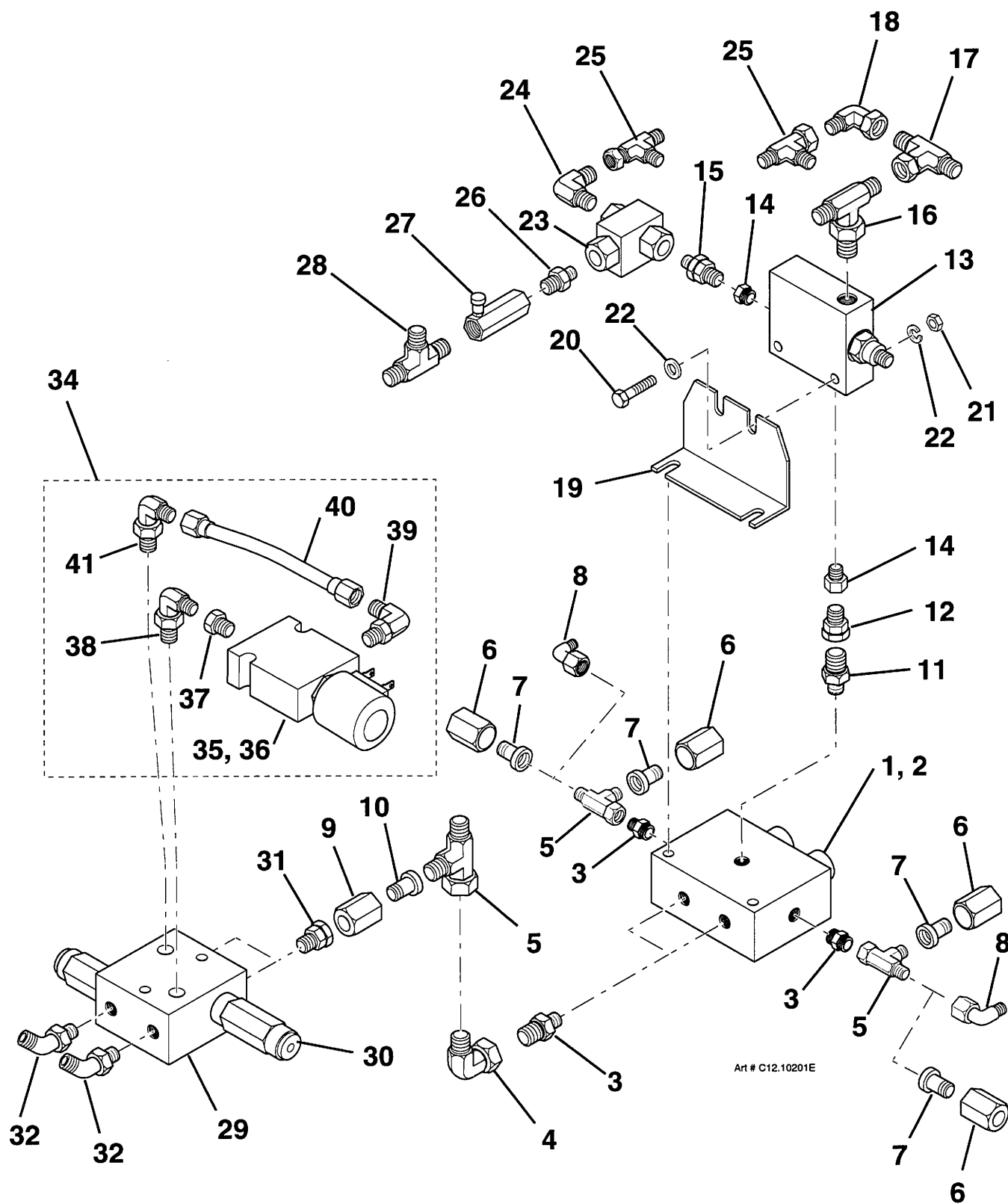
PART
NO.

353 3900

PLATE
NO.

C08.102

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			MOTION CONTROL VALVE ASSEMBLY (for models without 360° continuous rotation option)	1
	353 0860		Earlier versions using #12 drive hoses	
	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 F5OX-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 F5OX-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/ cm²], set at 600 PSI [41 bar] [42 Kg/ cm²])	1
14	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	2
15	06-096100		UNION (6 F50 F50-S)	1
16	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-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 C5OX-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 V5OX-S)	2
33	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5OG-S)	1
TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO. C12.102		SIMON AERIALS INC.		PART NO.
REV. 12 DEC., 1995				



Art # C12.10201E

TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

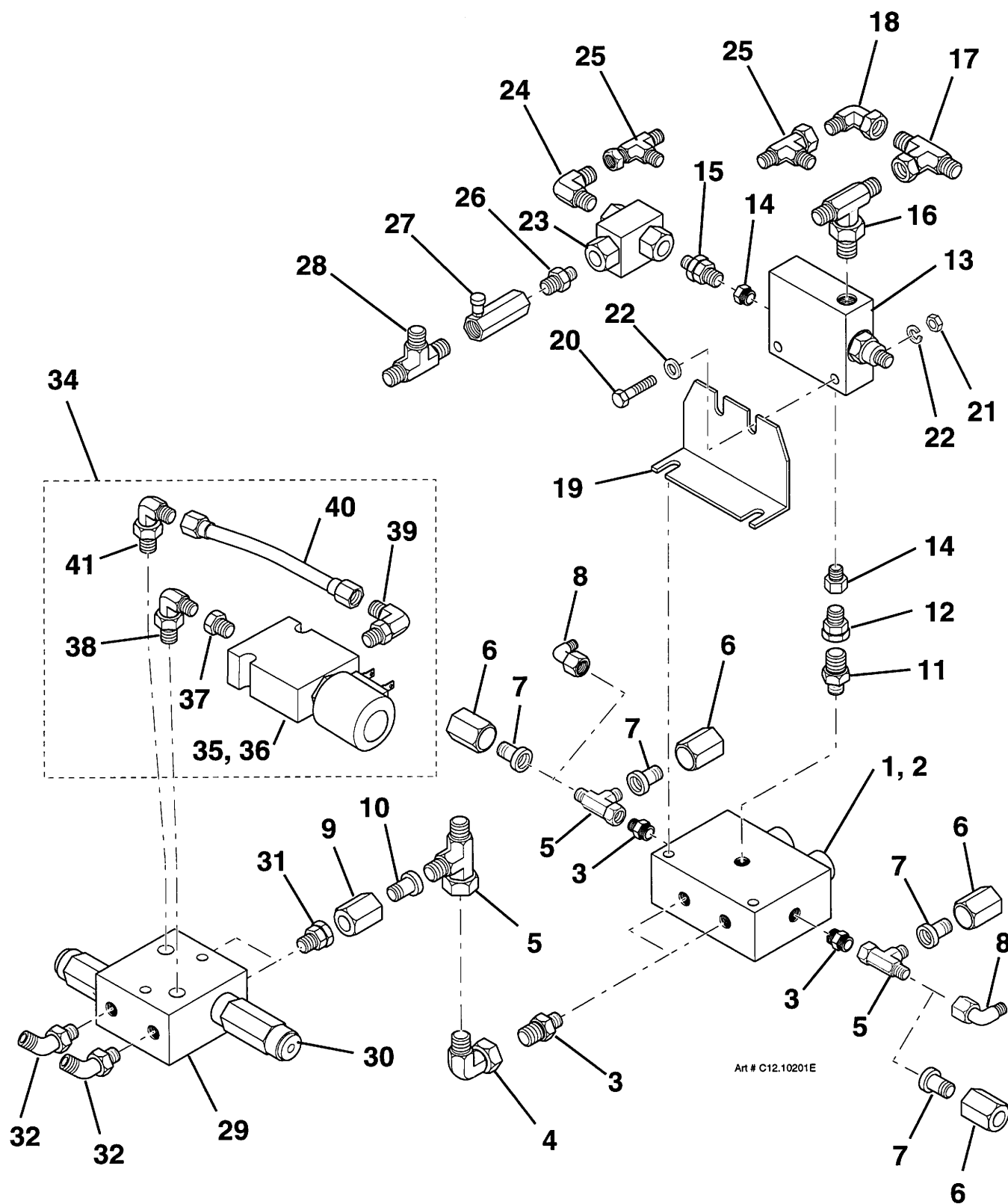
SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. C12.102

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TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

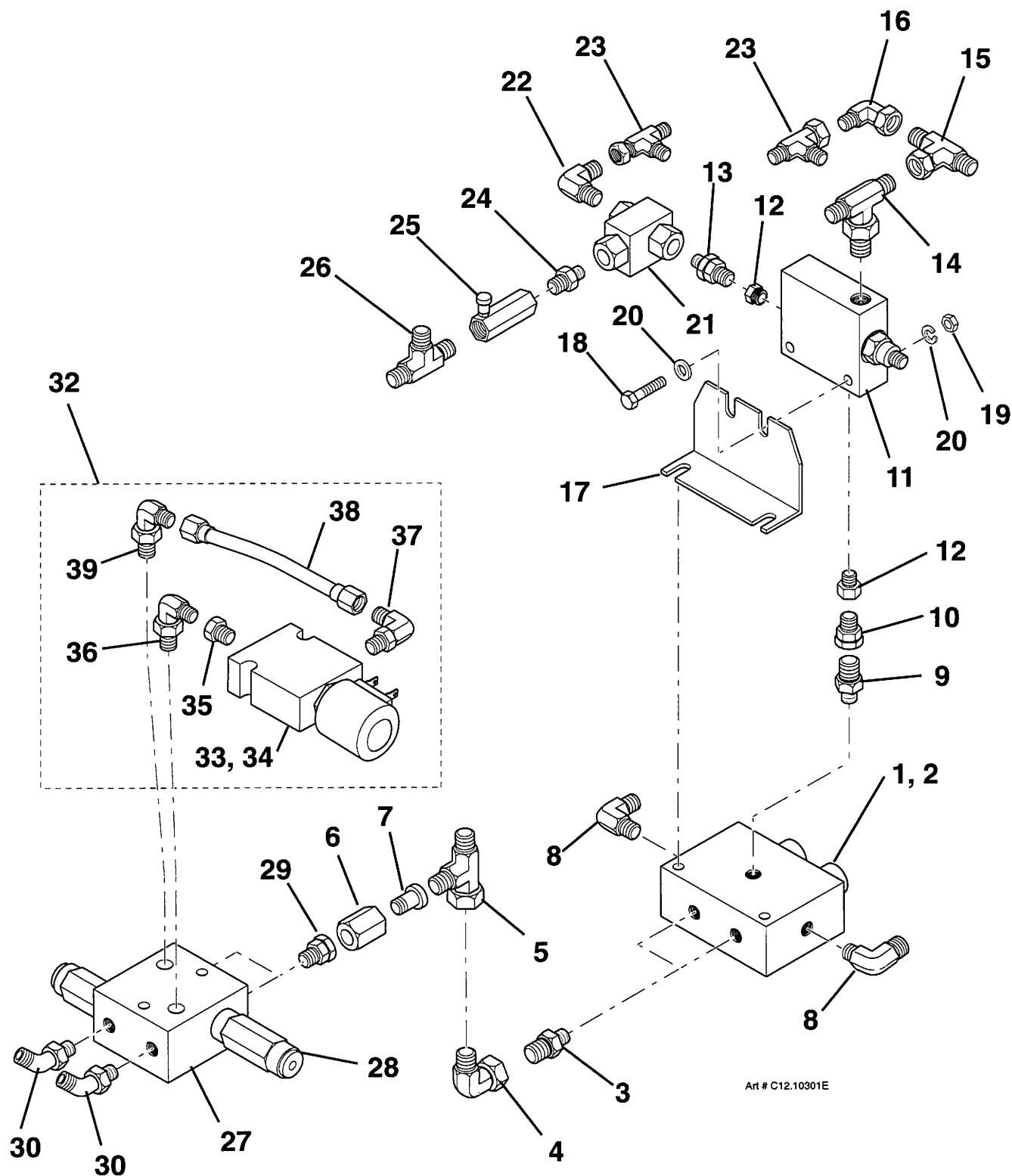
SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. C12.102

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			MOTION CONTROL VALVE ASSEMBLY (for models with 360° continuous rotation superstructure) Earlier versions using #12 drive hoses	1
	353 1840			
	354 5440		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 F5OX-S)	2
4	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
5	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
6	06-057800		NUT, TUBE (12 BTX-S)	2
7	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2
8			90° ELBOW, "O"-RING TO 37°	2
	06-045600		12-16 C5OX-S (Earlier versions)	
	06-045800		16 C5OX-S (Later versions)	
9	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F5OX-S)	1
10	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
11	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
12	06-090600		REDUCER/ EXPANDER (8-6 F5O G5-S)	2
13	06-096100		UNION (6 F50 F50-S)	1
14	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S)	1
15	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1
16	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
17	219 9720		BRACKET, VALVE MOUNTING	1
18	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2
19	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
20	07-062015		WASHER, FLAT (5/16")	4
21	01-013800		VALVE, SHUTTLE	1
22	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
23	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (Later versions)	2
24	06-076800		LONG REDUCER/ EXPANDER, PIPE THREAD (4-2 FF-S)	1
25	01-212100		VALVE, FLOW CONTROL (Needle valve) (1/8" NPT)	1
26	06-211200		RUN TEE, MALE 37° TO NPT (4 RTX-S)	1
27	01-202200		MANIFOLD, CROSS PORT RELIEF	1
28	01-202201		CARTRIDGE, CROSS PORT RELIEF VALVE	2
29	06-207800		ADAPTER, SWIVEL NUT (8 F65OX)	2
30	06-047100		45° ELBOW, "O"-RING TO 37° (8 V5OX-S)	2
31	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5OG-S)	1
TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)				
PLATE NO.	C12.103	SIMON AERIALS INC.		PART NO.
REV. 12 DEC., 1995				



Art # C12.10301E

TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

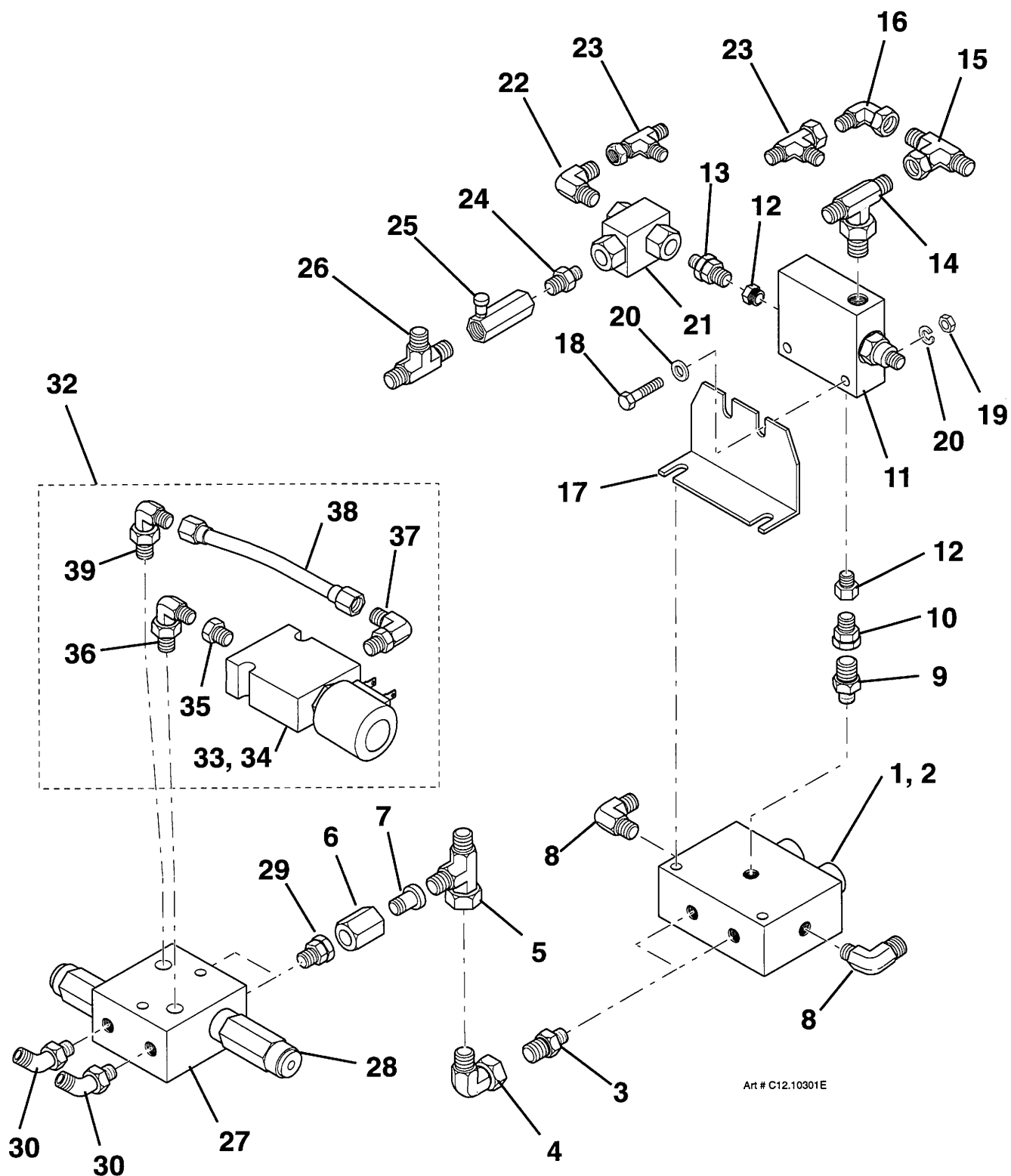
SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. C12.103

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Art # C12.10301E

TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. C12.103

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	231 3740 231 3730		PANEL, DIRECTIONAL VALVE First type (earlier versions), with studs for valve mounting. Second type (later versions). Valves mount with screws .	1
2	01-219400		VALVE, DIRECTIONAL (Boom telescope dump valve) (2 way, 2 position, normally closed, pilot operated)	1
3	06-045100		90° ELBOW, "O"-RING TO 37° (10-8 C5OX-S)	1
4	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	1
5	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F5OX-S)	1
6	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2
7	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
8	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	1
9	06-057800		NUT, TUBE (12 BTX-S)	1
10	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	1
11	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
12	350 7665		TUBE ASSEMBLY	1
13	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F5OX-S)	1
14	01-215800		VALVE, DIRECTIONAL (Boom telescope regeneration valve) (3 way, 2 position, piloted sequence)	1
15	06-048600		RUN TEE, MALE "O"-RING TO 37° (8 R5OX-S)	2
16	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
17	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	2
18	06-057600		NUT, TUBE (8 BTX-S)	2
19	01-219100		VALVE, DUAL COUNTERBALANCE (pre-set to 2,500 PSI [172 bar] [176 Kg/ cm ²])	1
20	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	4
21	353 3670		HOSE ASSEMBLY (20" [51 cm] long)	1
22	353 0470		HOSE ASSEMBLY (16" [41 cm] long)	1
23	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	4
24	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
25	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
26	07-062014		WASHER, FLAT (1/4")	8
27	07-050018		NUT, HEX (1/2"-13, Grade 5)	3
28	07-065018		WASHER, HELICAL LOCK (1/2")	3
29	07-062018		WASHER, FLAT (1/2")	A.R.

TITLE

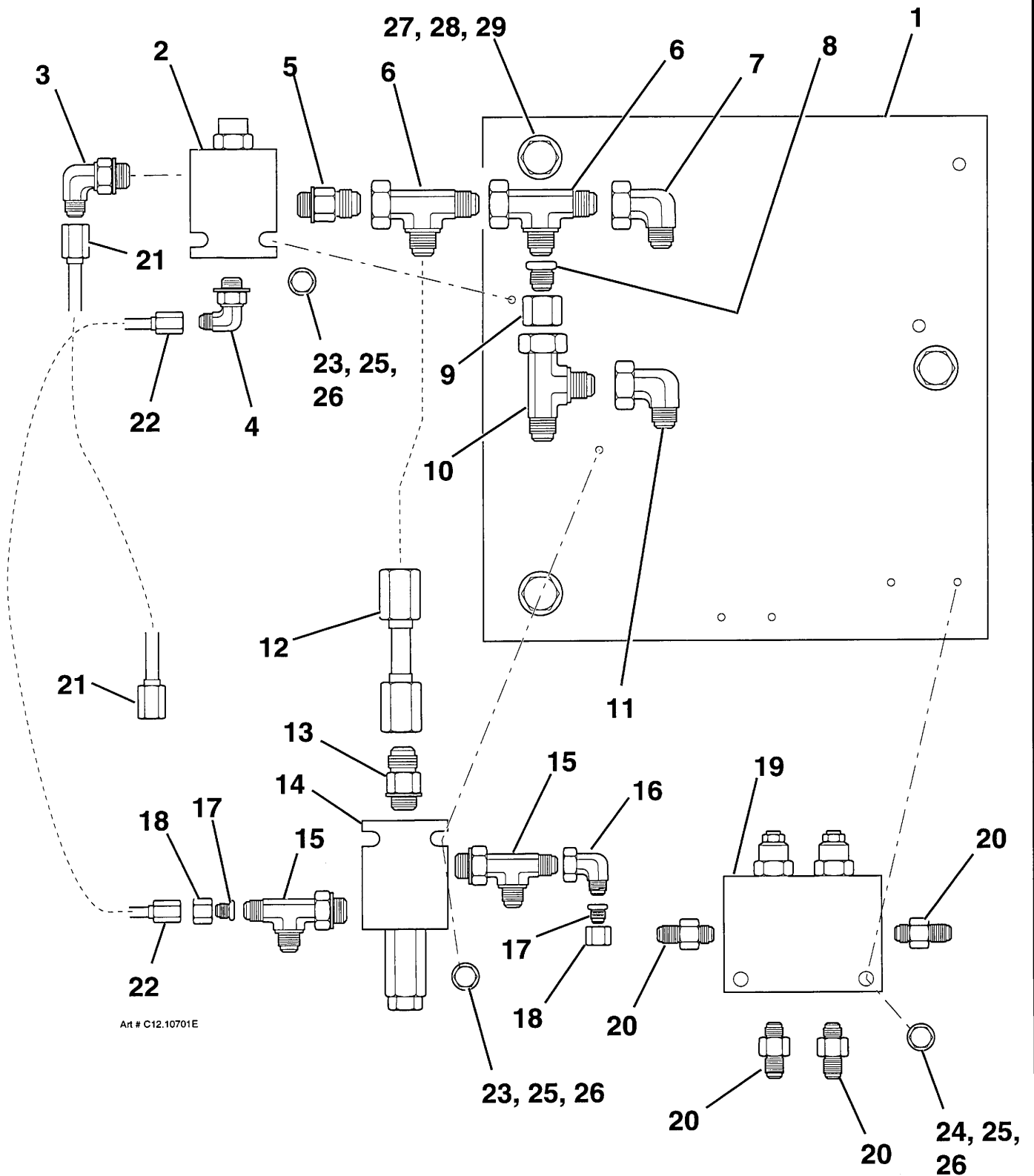
VALVE SUBASSEMBLY, TRAILBLAZER 50

PLATE NO. C12.107

SIMON AERIALS INC.

NEW 15 JAN., 1996

PART NO. 354 1190



TITLE

VALVE SUBASSEMBLY, TRAILBLAZER 50

SIMON AERIALS INC.

NEW 15 JAN., 1996

PART
NO.

354 1190

PLATE
NO.

C12.107

PARTS LIST

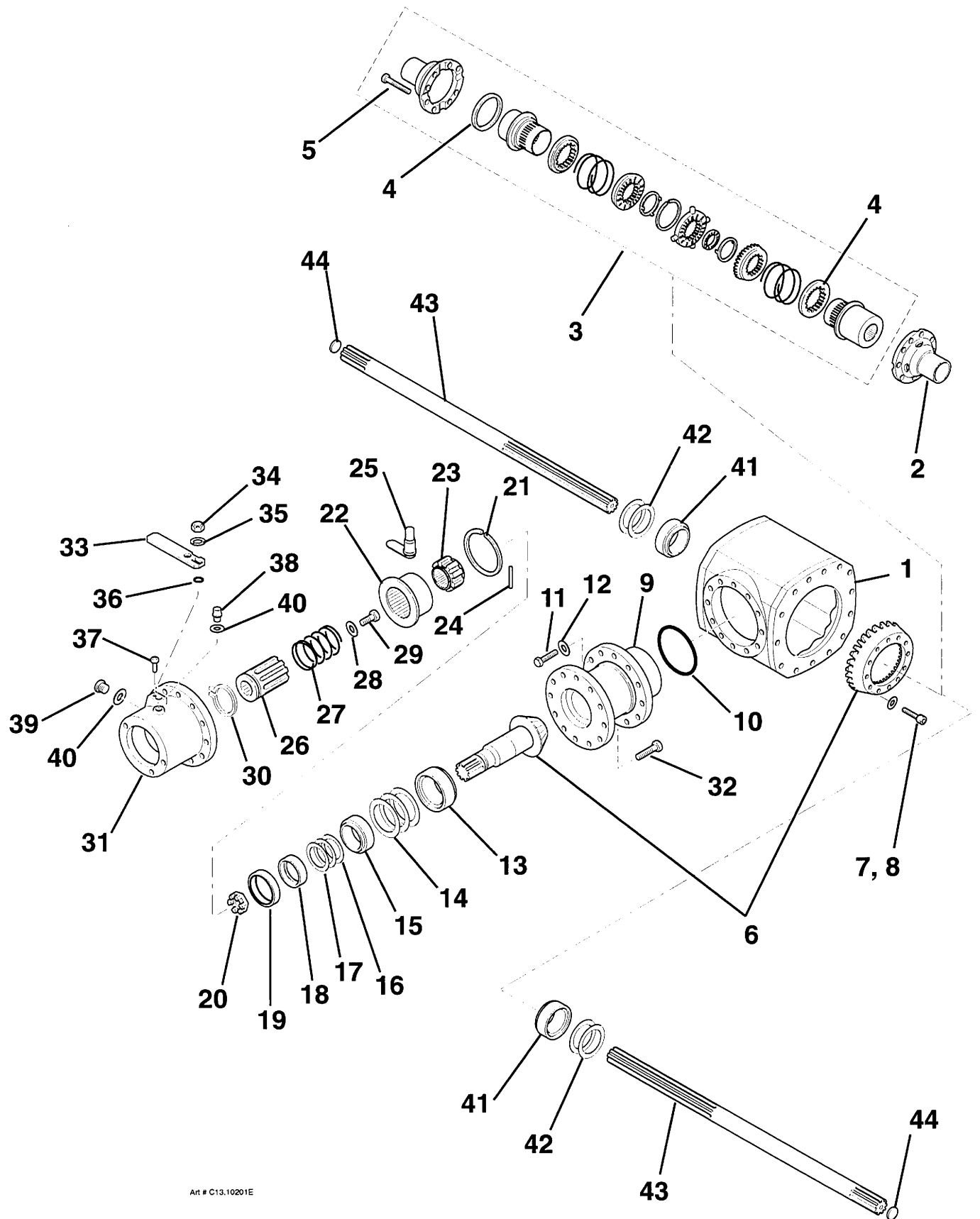
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	• 02-043400 02-039700		AXLE ASSEMBLY, REAR (Type 2) AXLE ASSEMBLY, REAR (superceded by 02-043400) Note: The "Type 2" axle is original equipment on Trailblazer 40 serial numbers APA 00122 and above and all Trailblazer 60's. This axle connects directly to the 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 (PLATE 1 OF 4)

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

REV. 11 MAR., 1994

PART NO.



Art # C13.10201E

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

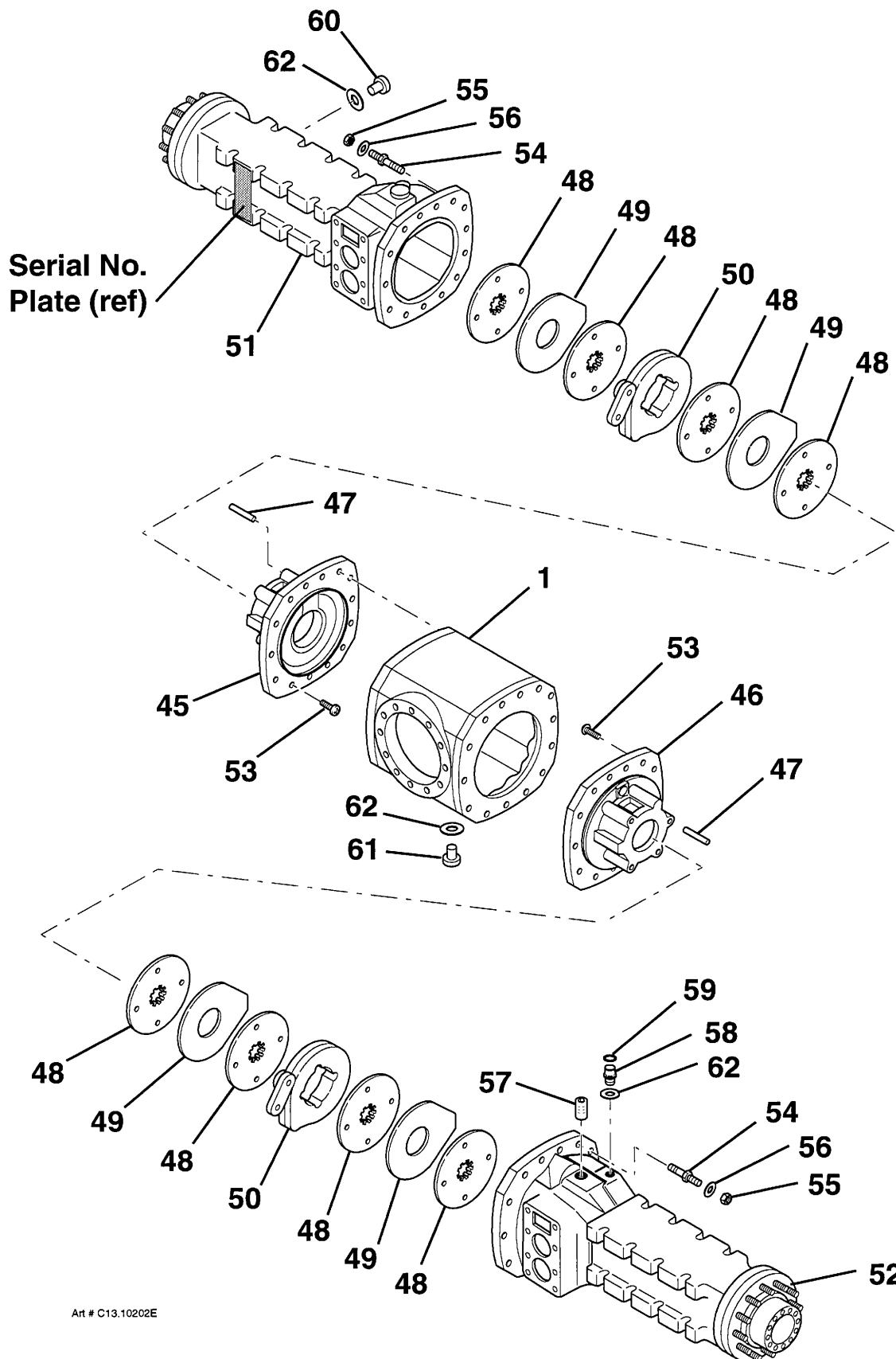
SIMON AERIALS INC.

REV. 11 MAR., 1994

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 (PLATE 2 OF 4)				
PLATE NO.	C13.102	SIMON AERIALS INC.		PART NO.
REV. 11 MAR., 1994				



Art # C13.10202E

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

SIMON AERIALS INC.

REV. 11 MAR., 1994

PART
NO.

PLATE
NO. C13.102

PARTS LIST

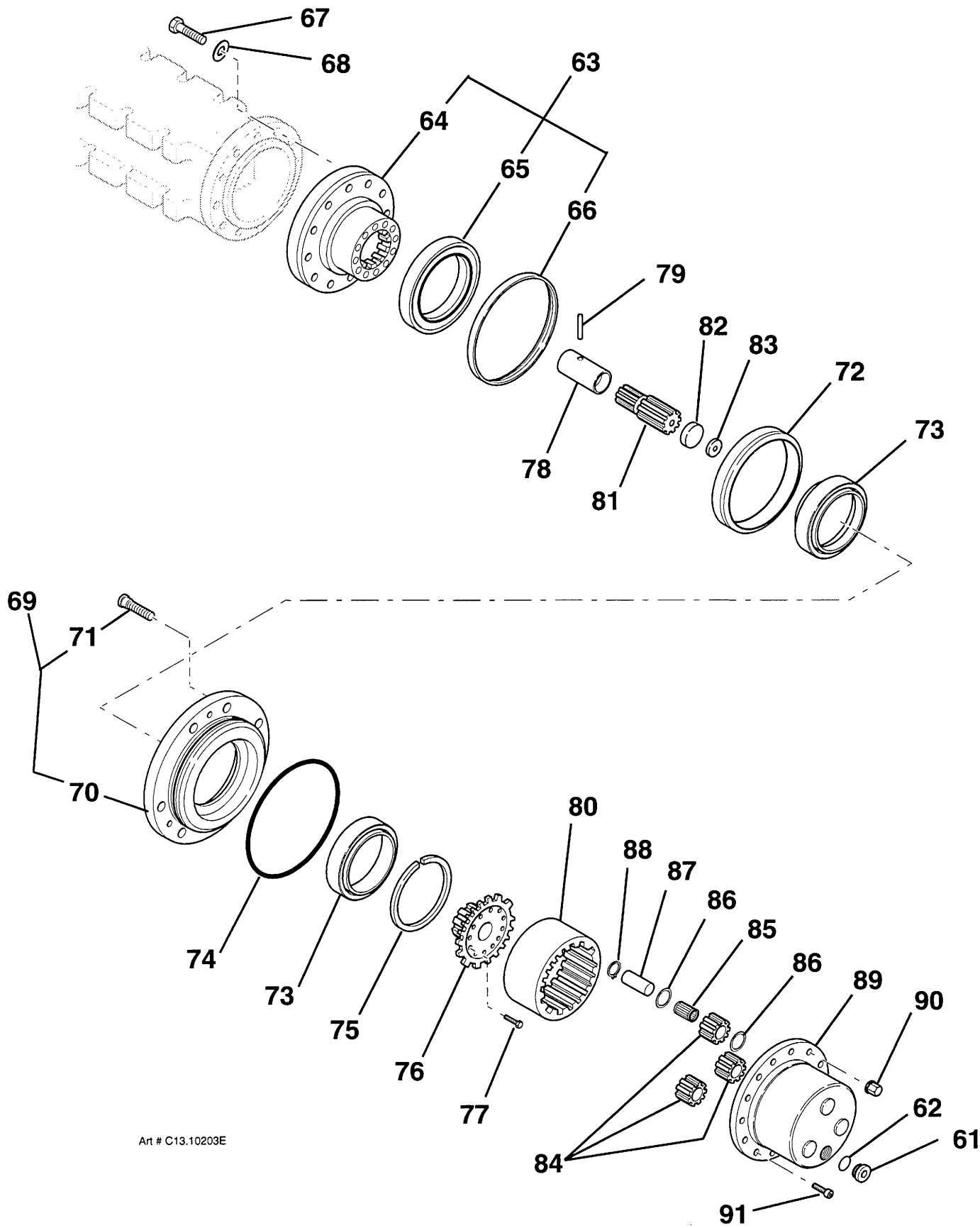
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
63	02-039713		SUPPORT ASSEMBLY, WHEEL HUB	2
64			SUPPORT, WHEEL HUB	1
65	02-039709		RING, OIL SEAL	1
66	02-039710		COVER, DUST	1
67	02-039706		BOLT (Wheel flange) (M 14 x 40 mm)	24
68	02-039678		WASHER (Wheel flange)	24
69			HUB ASSEMBLY, REAR WHEEL (Ref. plate 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 (PLATE 3 OF 4)

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

REV. 11 MAR., 1994

PART NO.



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

SIMON AERIALS INC.

REV. 11 MAR., 1994

PART
NO.

PLATE
NO. C13.102

PARTS LIST

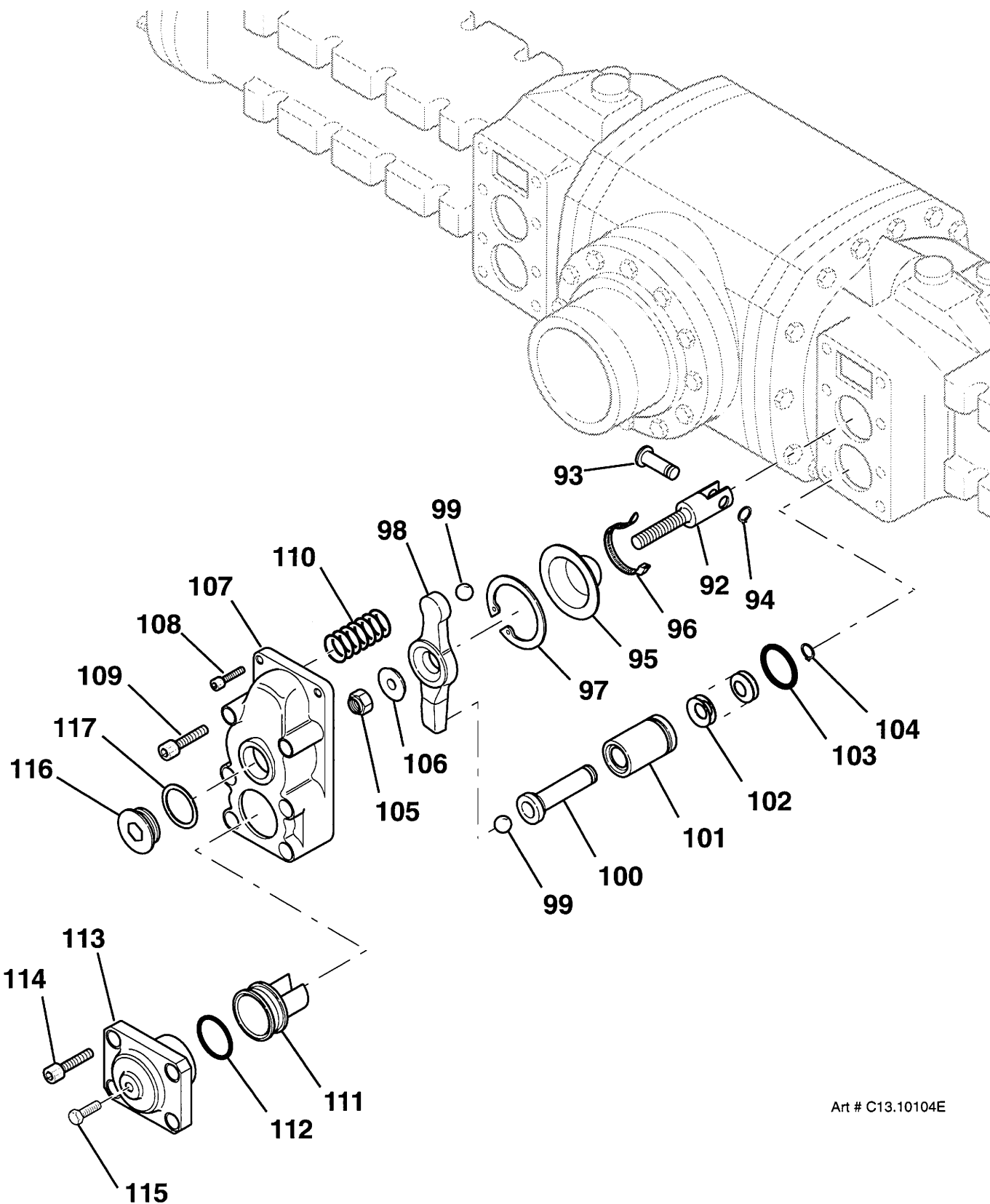
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	02-039655		LEVER, BRAKE FORK	2
93	02-039654		PIN, BRAKE PULL	2
94	02-039676		RING, RETAINING (Snap ring)	2
95	02-039653		BOOT, BRAKE (Bellows)	2
96	02-039769		CLAMP, BRAKE (Brake actuator)	2
97	02-039677		RING, RETAINING (Bellows snap ring)	2
98	02-039688		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 (PLATE 4 OF 4)

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

REV. 11 MAR., 1994

PART NO.



Art # C13.10104E

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

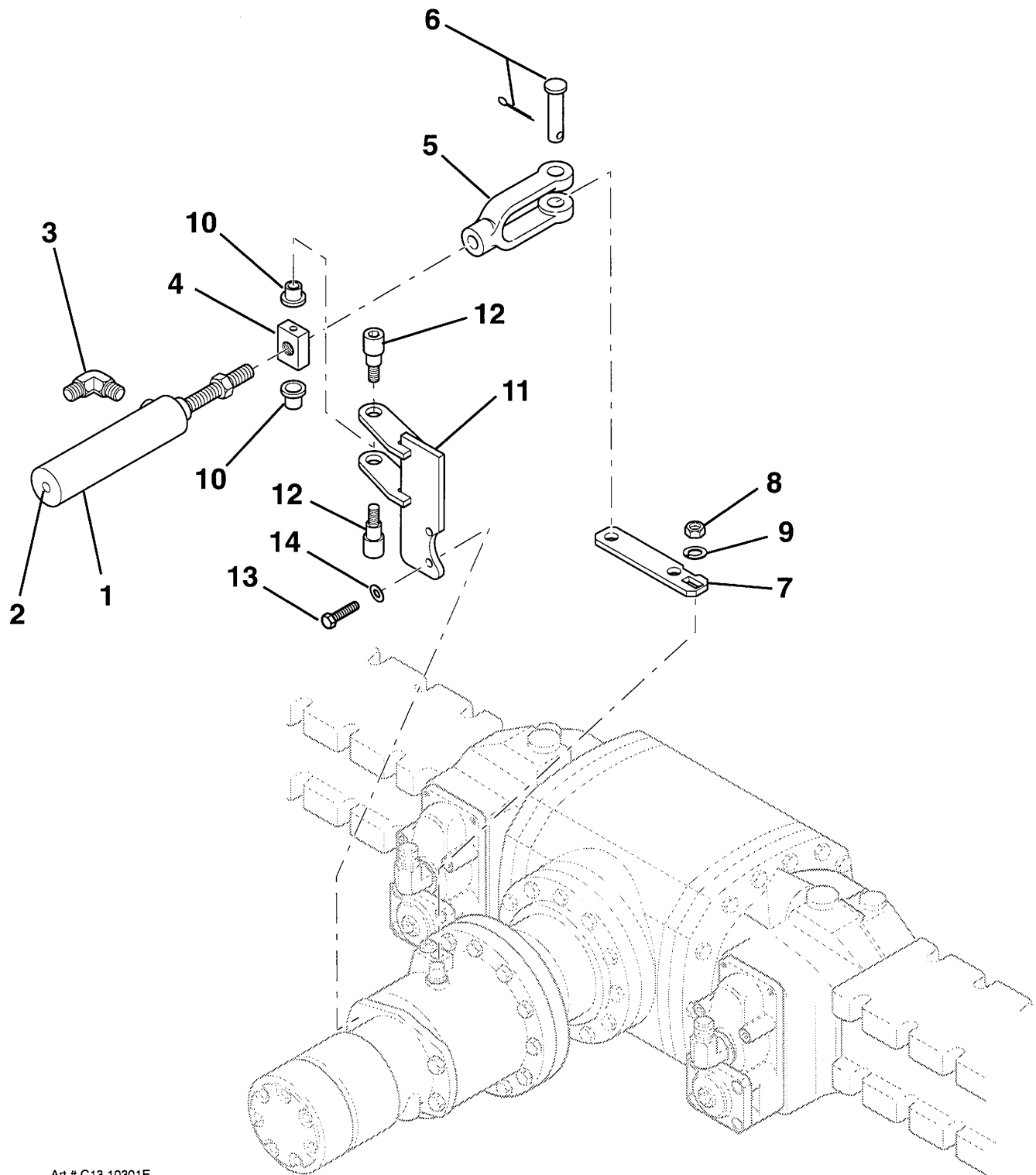
SIMON AERIALS INC.

REV. 11 MAR., 1994

PART
NO.

PLATE
NO. C13.102

[illegible]



Art # C13.10301E

TITLE REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY

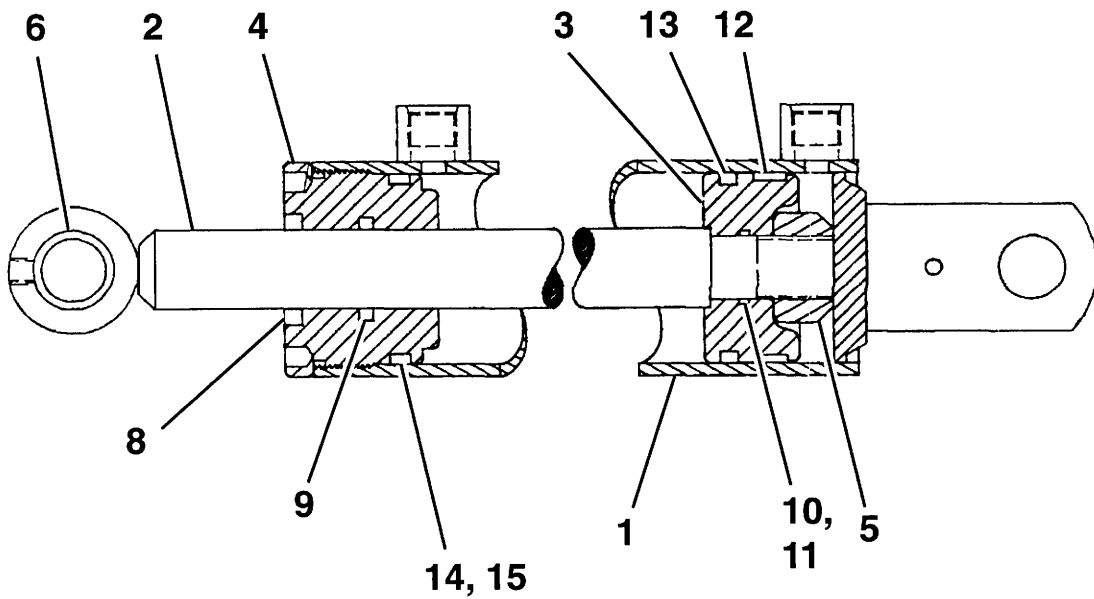
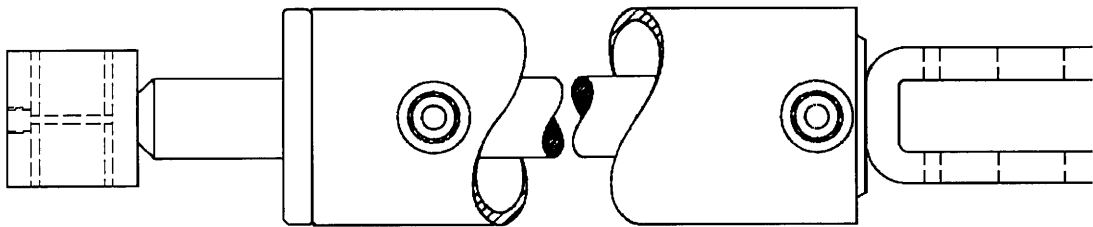
SIMON AERIALS INC.

REV. 11 MAR., 1994

PART NO. 3533110

PLATE NO. C13.103

[illegible]



TITLE

STEER CYLINDER, 10" (25.4 CM) STROKE

SIMON AERIALS INC.

NEW 07 JAN., 1993

PART
NO.

04-035200

PLATE
NO.

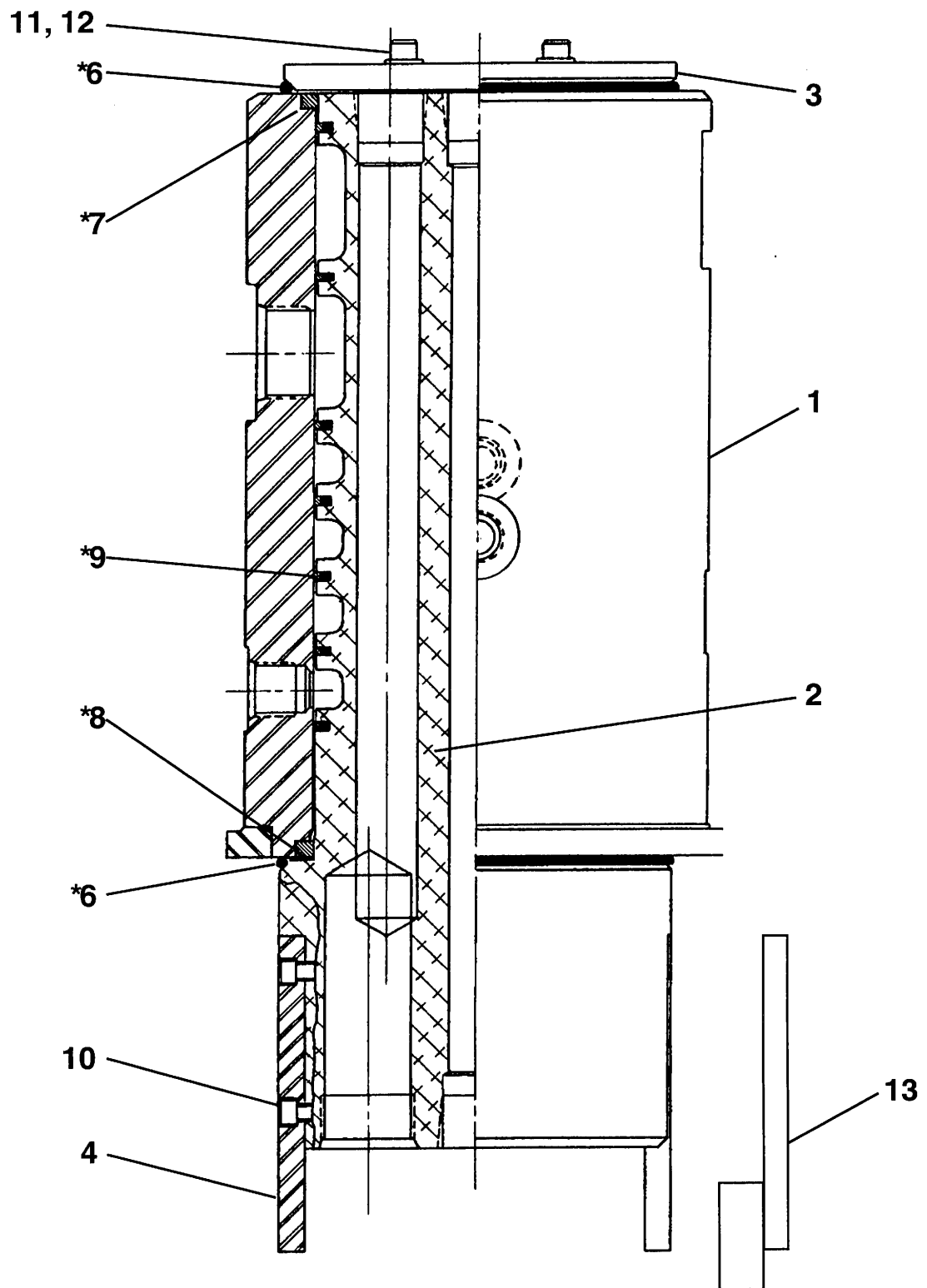
D01.101

[illegible]

HYDRAULIC SWIVEL

SIMON AERIALS INC.

PART NO. 04-008700



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

TITLE

HYDRAULIC SWIVEL

SIMON AERIALS INC.

REV. 17 JUN., 1994

PART
NO.

04-008700

PLATE
NO.

D02.01

PARTS LIST

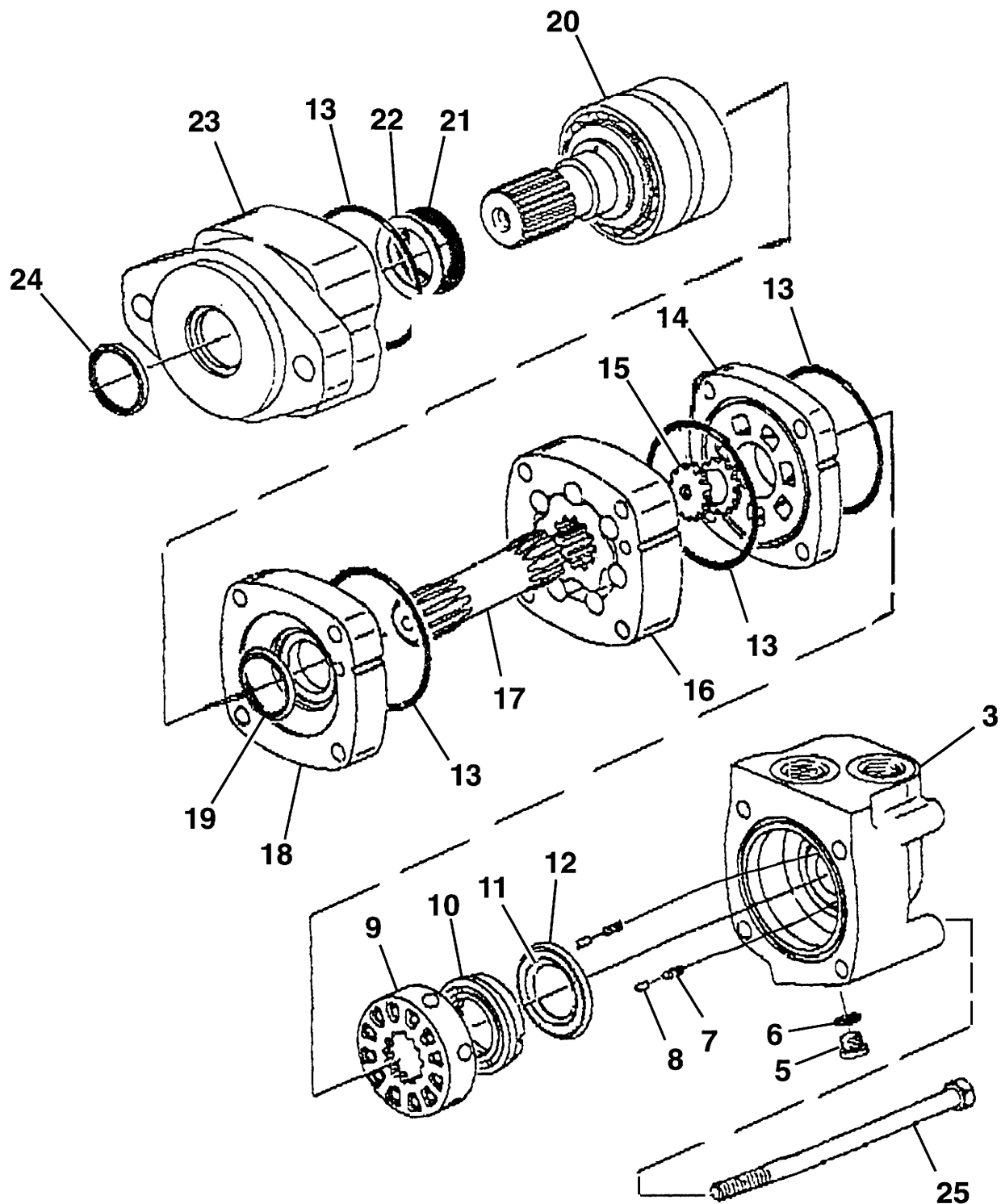
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-221901		SEAL KIT, MOTOR Note: items in kit identified by asterisk (*)	1
2	01-221900		MOTOR ASSEMBLY (Motor I.D. tag reads "104 1216 - - -") (4.9 c.i. [80 cc]/ rev. displacement)	1
3			HOUSING ASSEMBLY, VALVE	1
4			PLUG ASSEMBLY	2
5			PLUG	1
6		*	"O"-RING	1
7			SPRING	2
8			SCREW	2
9			VALVE	1
10			RING, BALANCE (with pins)	1
11		*	"O"-RING	1
12		*	RING, BACKUP	1
13		*	SEAL	4
14			PLATE, VALVE	1
15			DRIVE, VALVE	1
16			GEROTOR	1
17			SHAFT, DRIVE	1
18			PLATE, WEAR	1
19		*	SEAL, SHAFT FACE	1
20			SHAFT AND BEARING ASSEMBLY (1-1/4" splined)	1
21		*	SEAL, SHAFT	1
22		*	RING, BACKUP	1
23			HOUSING, BEARING (SAE "A" 2 bolt mount)	1
24		*	SEAL, DUST (1-9/16" [40 mm])	1
25			BOLT, HEX HEAD	4

TITLE WHEEL MOTOR ASSEMBLY (FRONT), TRAILBLAZER 60

PLATE NO. D03.103 **SIMON AERIALS INC.**

NEW 18 OCT., 1993

PART NO. 01-221900



TITLE WHEEL MOTOR ASSEMBLY (FRONT), TRAILBLAZER 60

SIMON AERIALS INC.

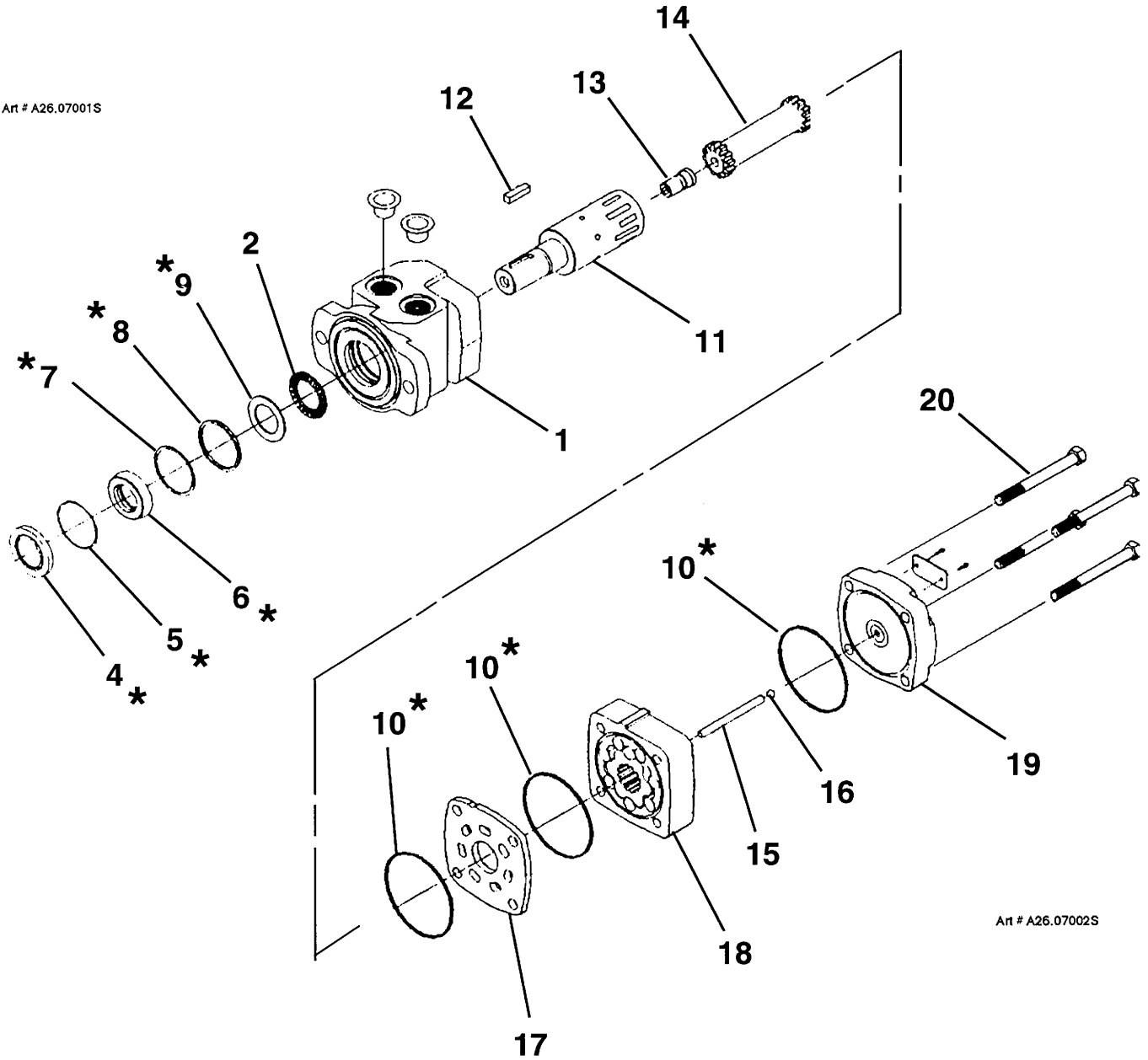
NEW 18 OCT., 1993

PART NO. 01-221900

PLATE NO. D03.103

[illegible]

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

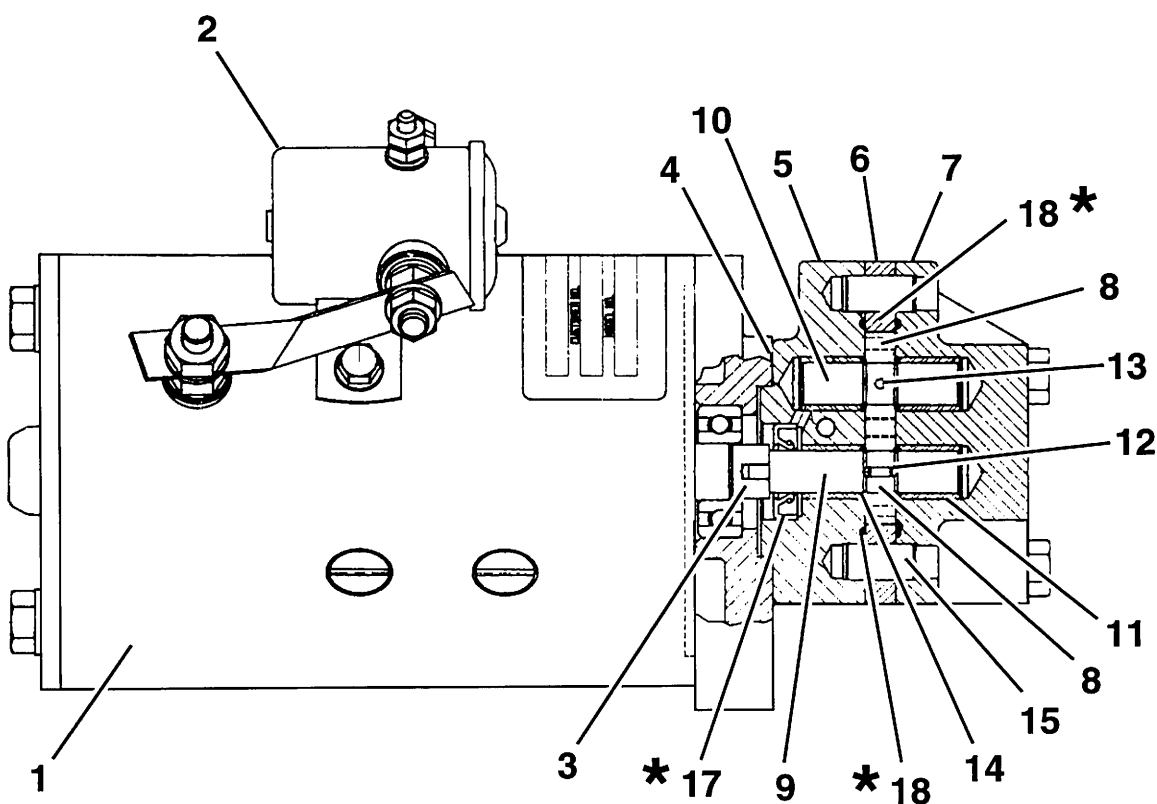
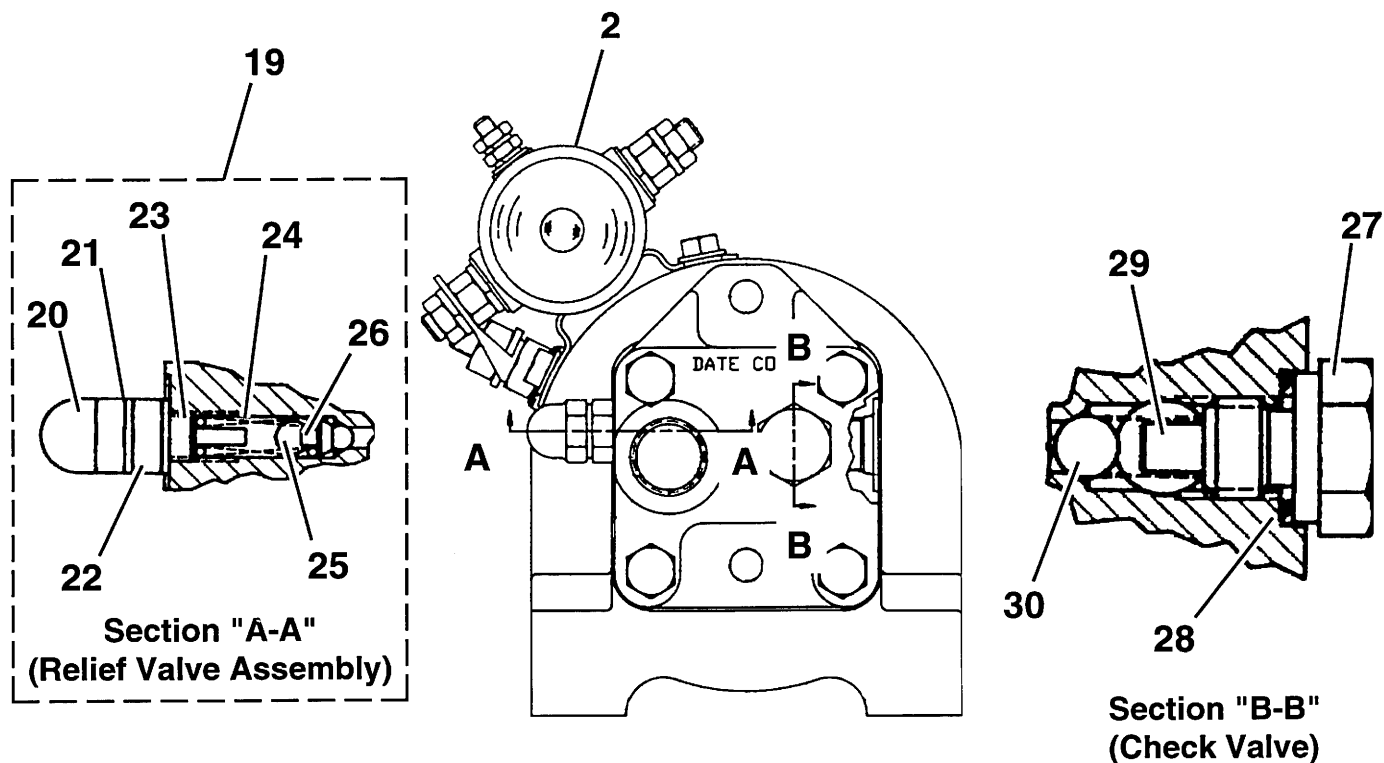
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-224901		MOTOR, ELECTRIC PUMP	1
2	01-224902		RELAY, SOLENOID	1
3	01-027205		COUPLING, PUMP	1
4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	1
6			CASE	1
7			PLATE, END	1
8			GEAR	2
9			SHAFT, DRIVE	1
10			SHAFT, IDLER	1
11			BEARING	4
12			KEY, DOWEL	1
13			BALL	1
14			RING, RETAINING	4
15			PIN, DOWEL	2
16			SEAL KIT	1
			Note: Items in seal kit are identified by asterisk (*).	
17	*		SEAL, SHAFT	1
18	*		O-RING	4
19			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. D07.101 **SIMON AERIALS INC.**

REV. 08 SEP., 1995

PART NO. 01-224900



TITLE

EMERGENCY PUMP

SIMON AERIALS INC.

REV. 08 SEP., 1995

PART
NO.

01-224900

PLATE
NO.

D07.101

PARTS LIST

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

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

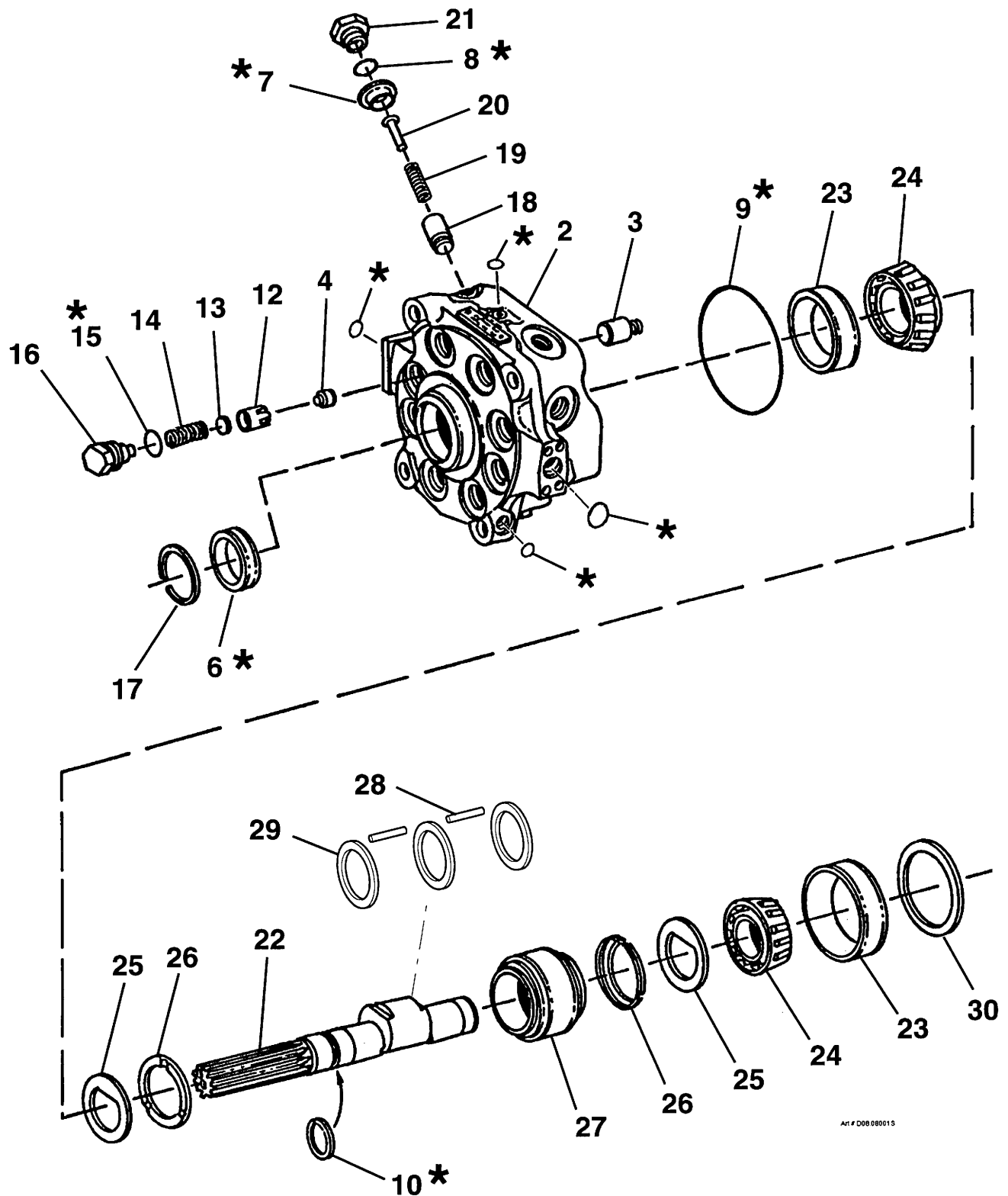
PLATE NO.

D08.13

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART NO.



TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART
NO.

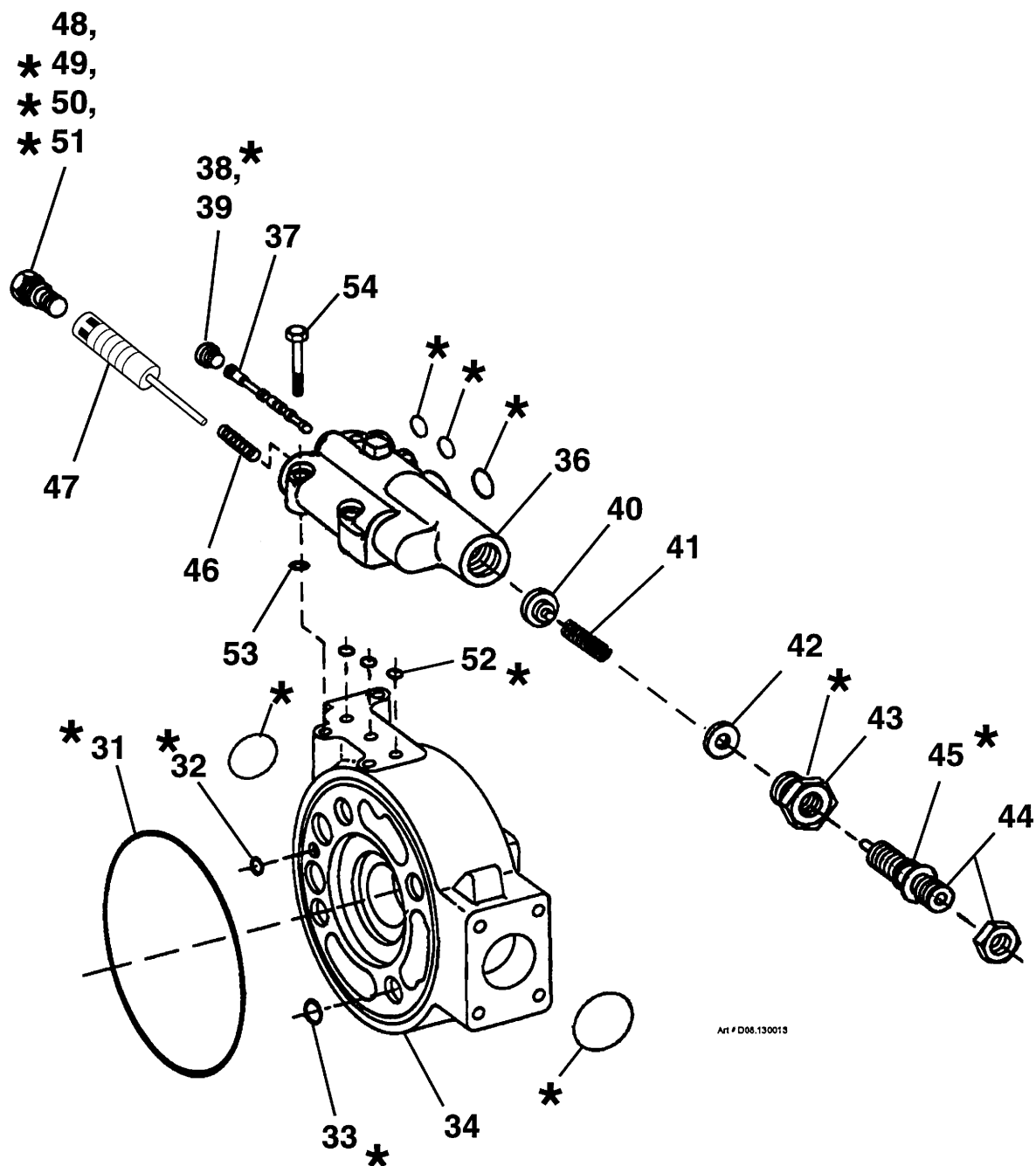
PLATE
NO.

D08.13

[illegible]

PLATE NO.	D08.13	SIMON AERIALS INC.
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REV. 17 MAR 2014



TITLE HYDRAULIC PUMP (UNITIZED CONTROL VALVE) (PLATE 2 OF 2)

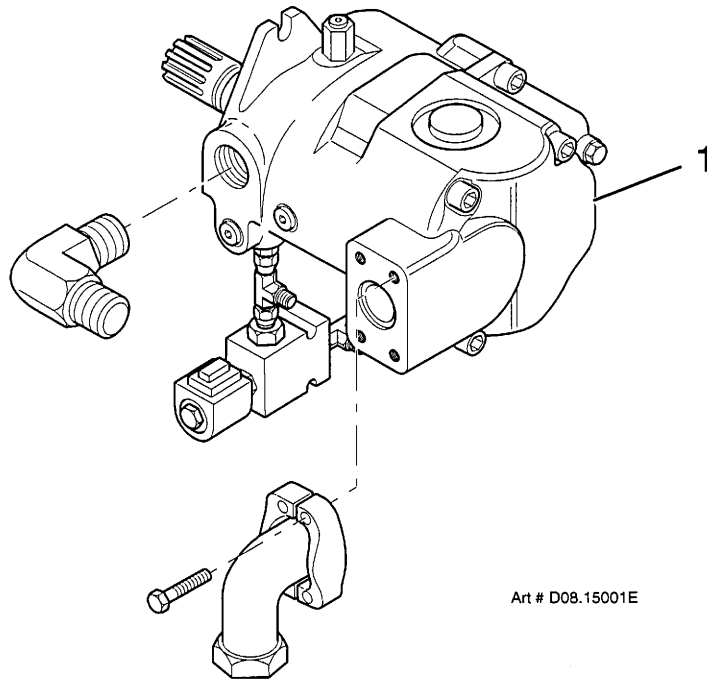
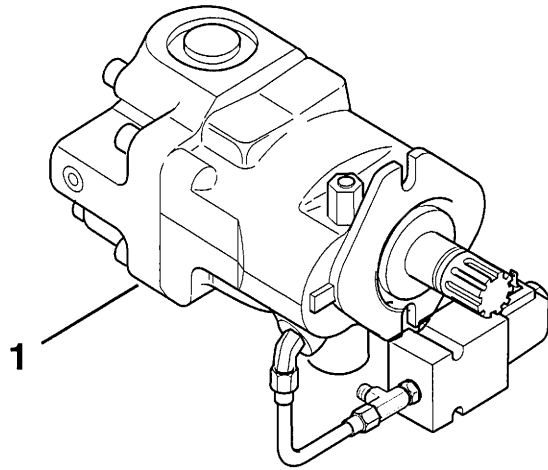
SIMON AERIALS INC.

REV. 17 MAR., 1995

PART
NO.

PLATE
NO. D08.13

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Art # D08.15001E

TITLE

HYDRAULIC PUMP ASSEMBLY

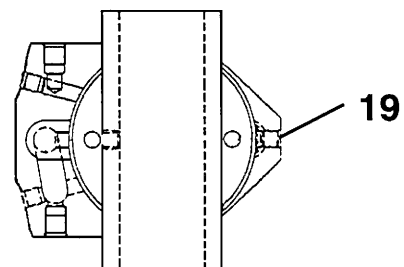
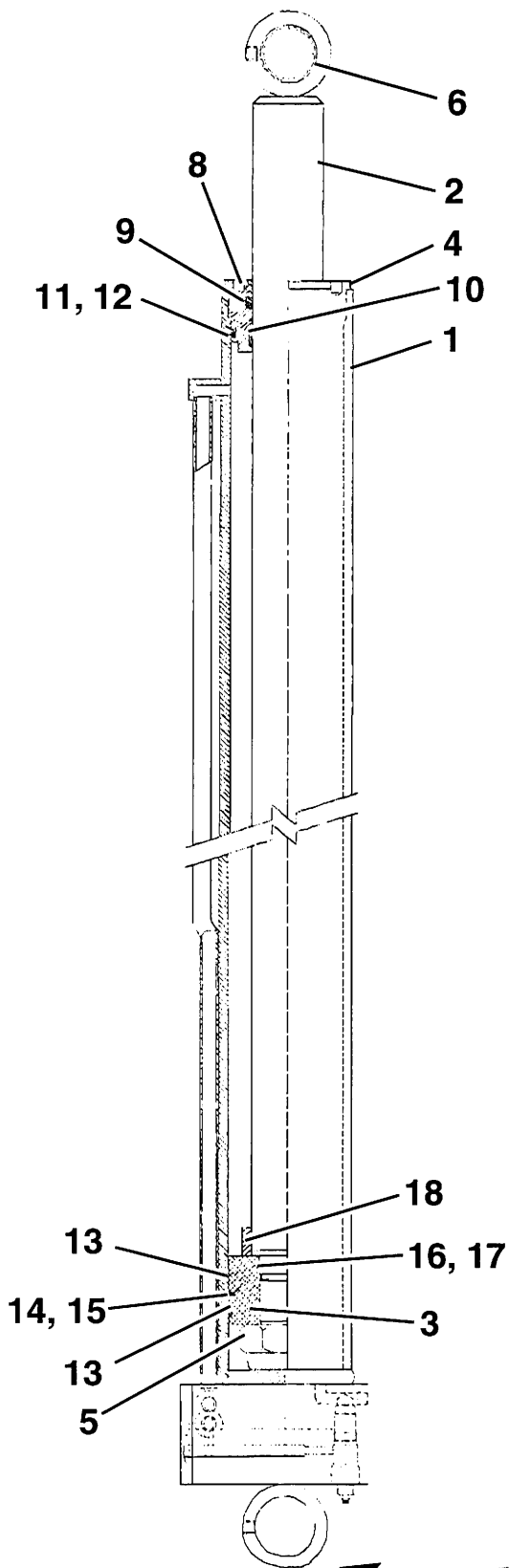
SIMON AERIALS INC.

NEW 24 JAN., 1996

PART
NO.

PLATE
NO. D08.15

[illegible]



**View of Base End
of Cylinder**

TITLE

LIFT CYLINDER, 44-1/4" (1.12 M) STROKE

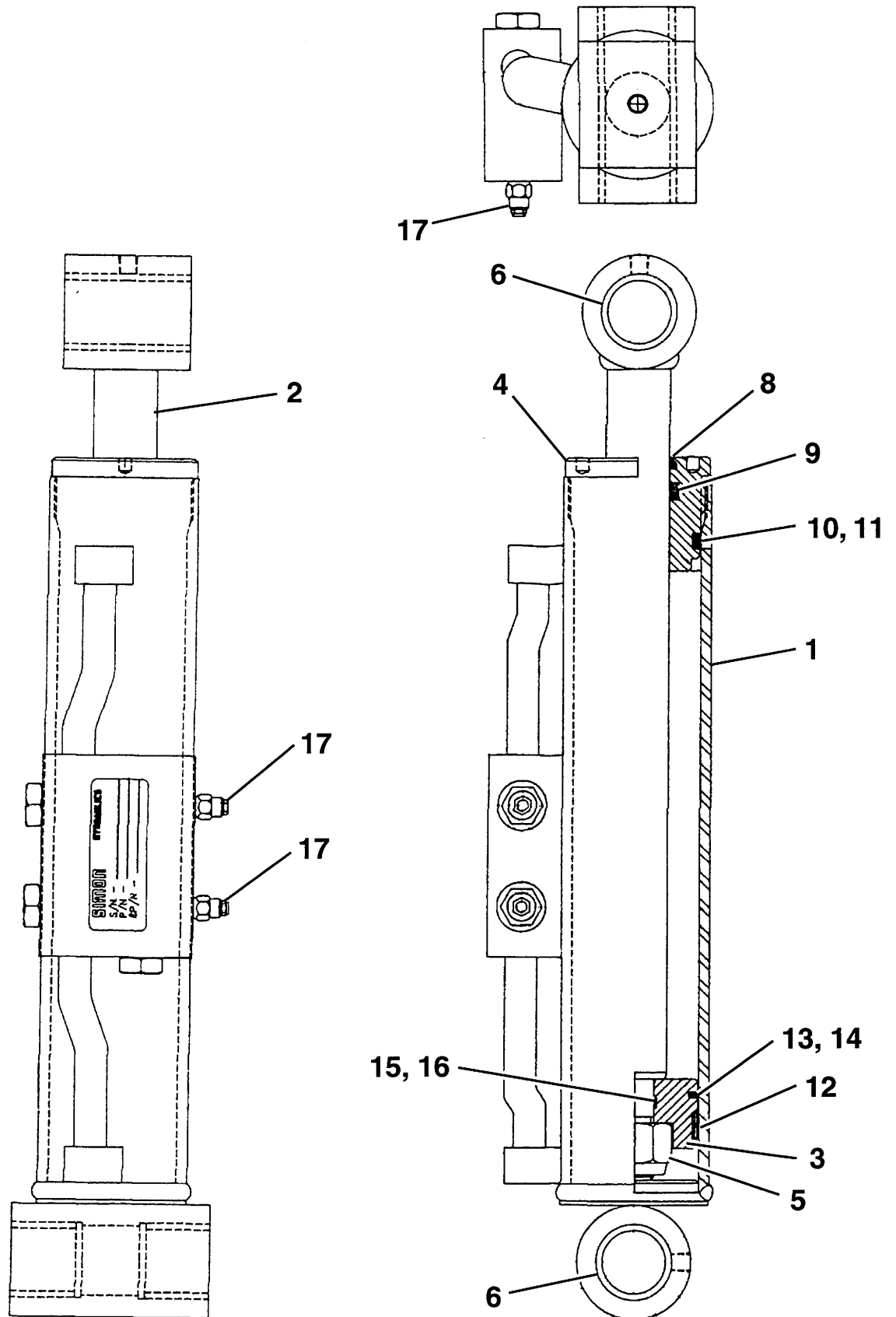
SIMON AERIALS INC.

NEW 15 JAN., 1996

**PART
NO.**

**PLATE
NO. D09.103**

[illegible]



TITLE

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

SIMON AERIALS INC.

NEW 03 DEC., 1992

PART
NO.

04-032600

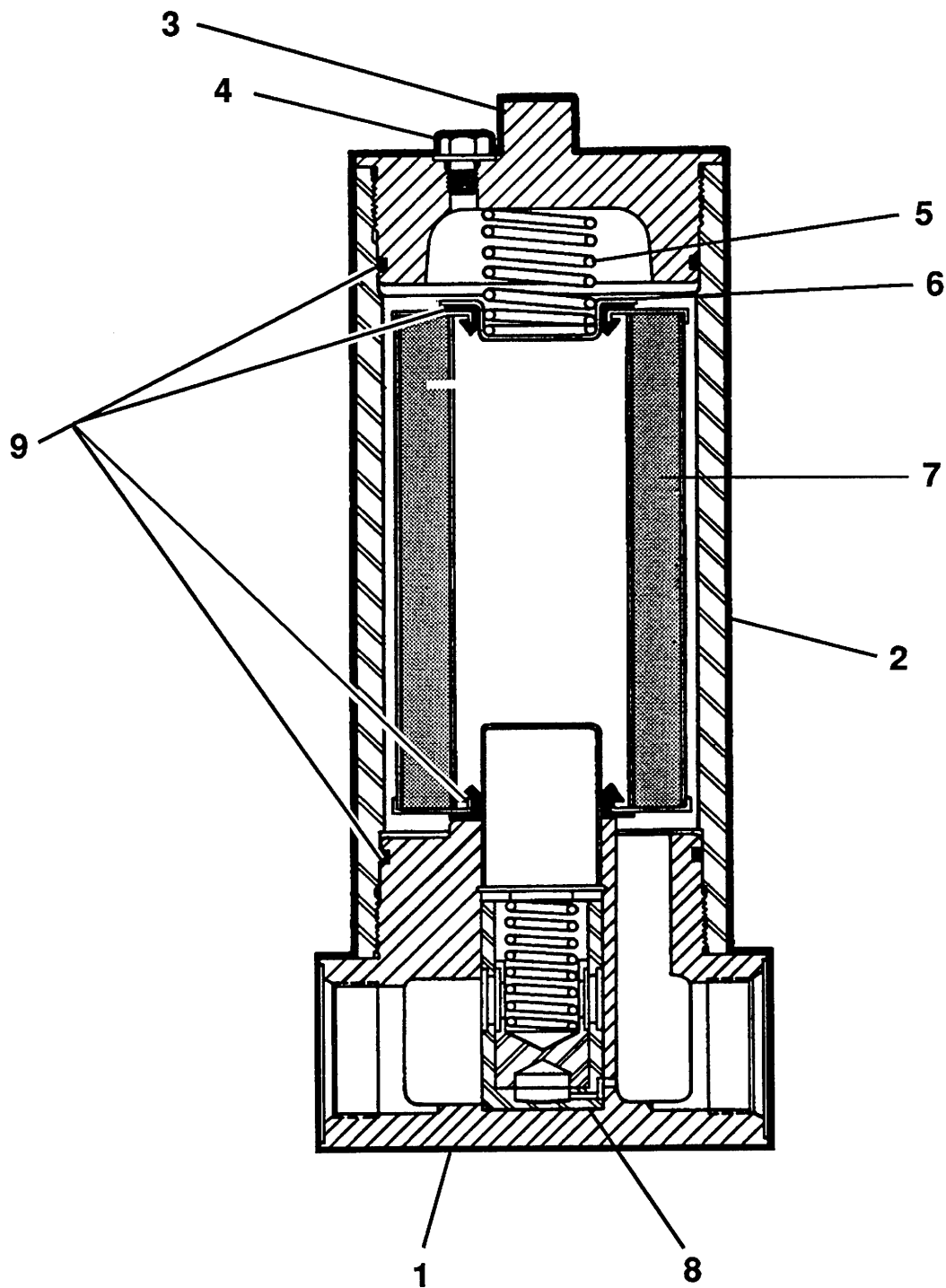
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D10.101

[illegible]

HIGH PRESSURE FILTER

01-014000



TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

01-014000

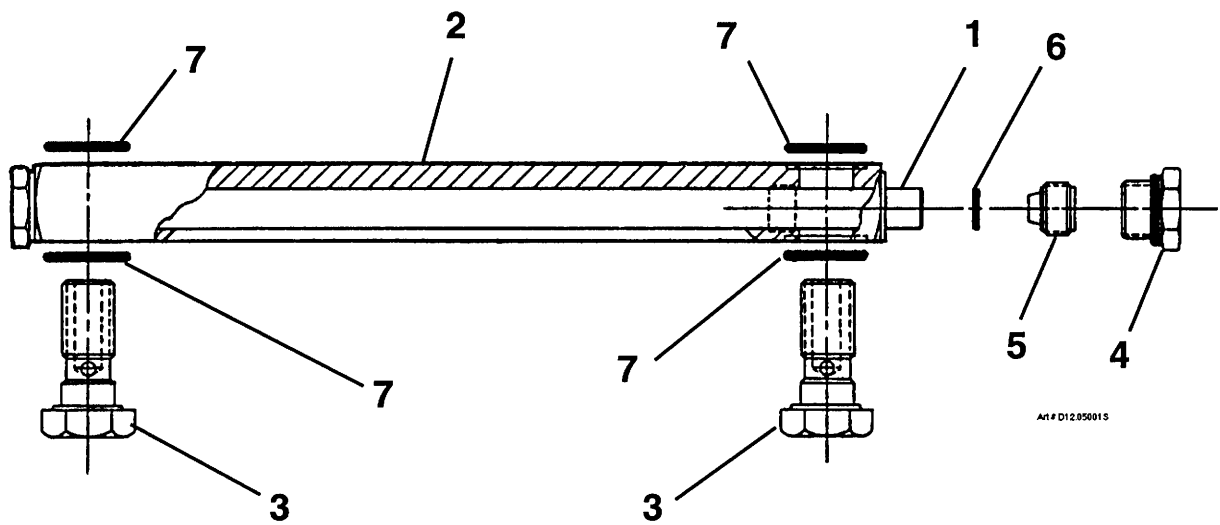
PLATE
NO.

D11.03

[illegible]

SIGHT GAUGE, 14"

PART NO. 10-033800



Alt # D1295015

TITLE

SIGHT GAUGE, 14"

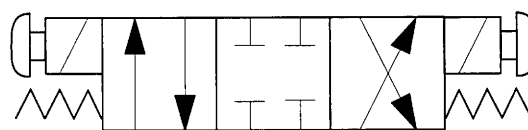
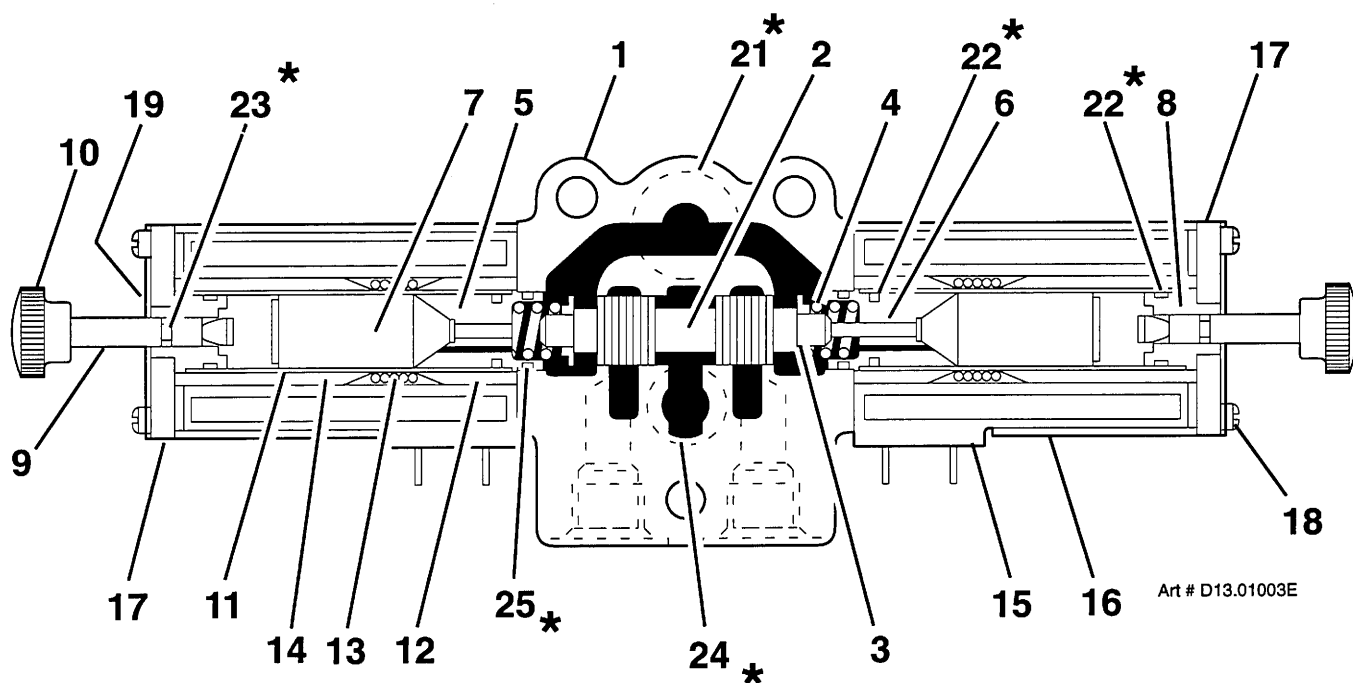
SIMON AERIALS INC.

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.		PART NO. 01-031700
		REV. 20 SEP., 1995		



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

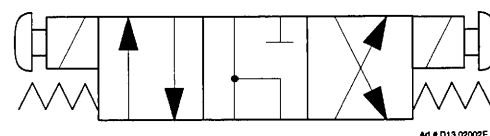
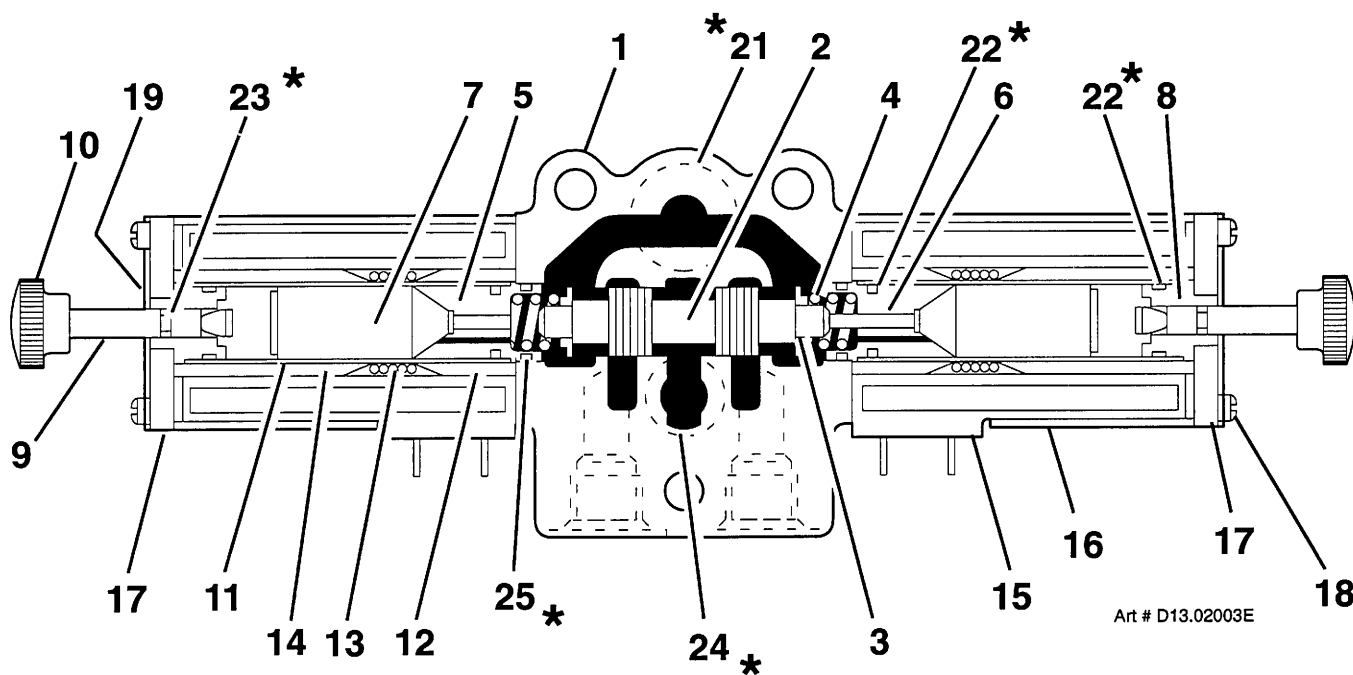
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031801		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705		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



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

SIMON AERIALS INC.

REV. 20 SEP., 1995

PART
NO.

01-031800

PLATE
NO.

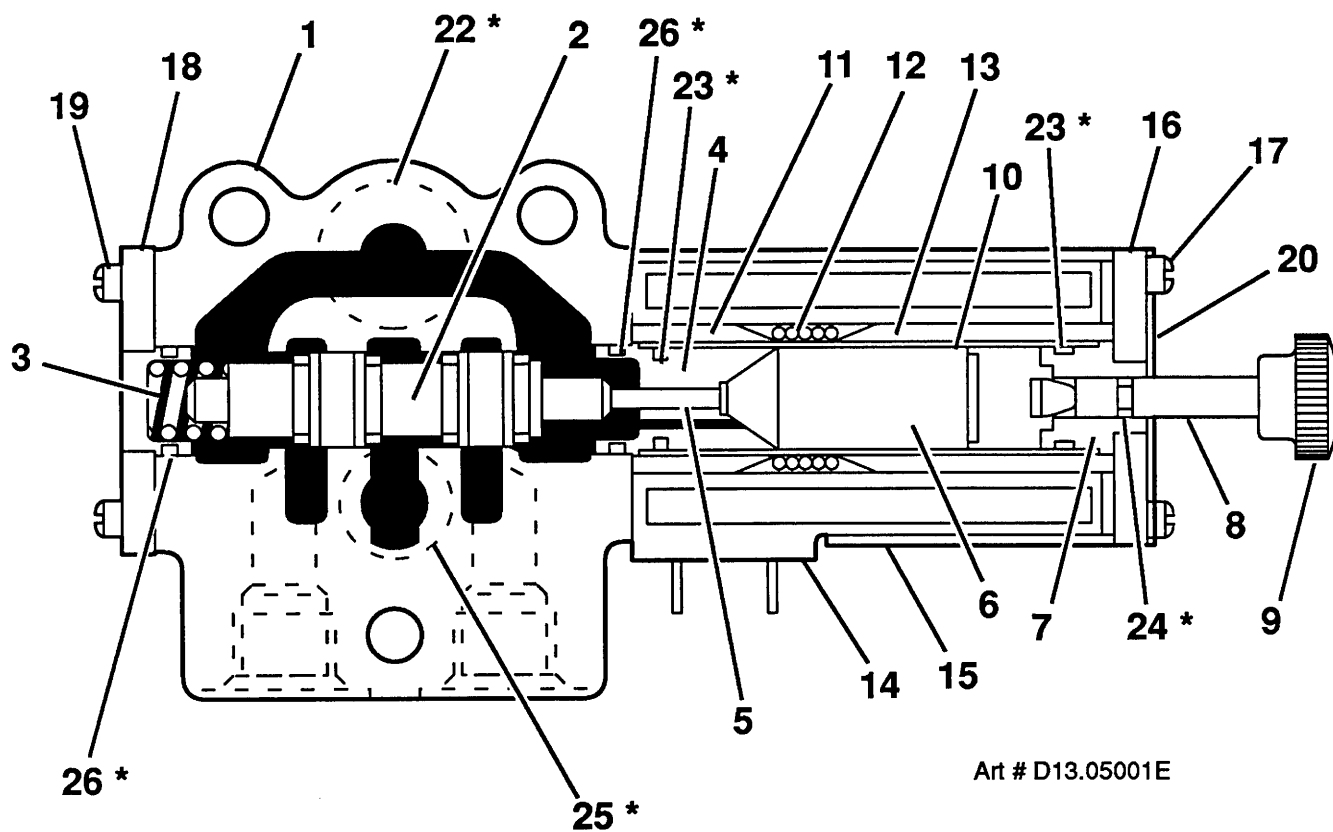
D13.02

PARTS LIST

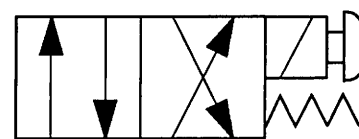
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2			SPOOL, VALVE	1
3	01-031714		SPRING	1
4	01-031725		CONE, FEMALE	1
5	01-031719		PIN, PUSH	1
6	01-031721		PLUNGER	1
7	01-031722		GUIDE, ACTUATOR PIN	1
8	01-031706		PIN, ACTUATOR	1
9	01-031705		KNOB	1
10	01-031718		TUBE, GUIDE	1
11	01-031717		SLEEVE, FLUX (Inner)	1
12	01-031715		SPRING	1
13	01-031716		SLEEVE, FLUX (Outer)	1
14	01-031701		COIL (12 Volt DC)	1
	01-031802		COIL (24 Volt DC)	1
15	01-031713		CASE, SOLENOID	1
16			PLATE, END	1
17	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	4
18			PLATE, END	1
19			SCREW, FILLISTER HEAD (#10-24 x 5/8")	4
20			NAMEPLATE	1
21	01-031712		SEAL KIT	1
			Note: Items in kit identified by asterisk (*).	
22	01-031703		RING, QUAD (1-1/16" O.D.)	1
23	01-031710		O-RING (only two required this application)	4
24	01-031709		O-RING (only one required this application)	2
25	01-031702		RING, QUAD (3/4" O.D.)	1
26	01-031711		O-RING (only one required this application)	2

TITLE 4-WAY, 2 POSITION SOLENOID VALVE

PLATE NO. D13.05 SIMON AERIALS INC. REV. 06/24/91 PART NO. 01-061900



Art # D13.05001E



Art # D13.06002E

TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

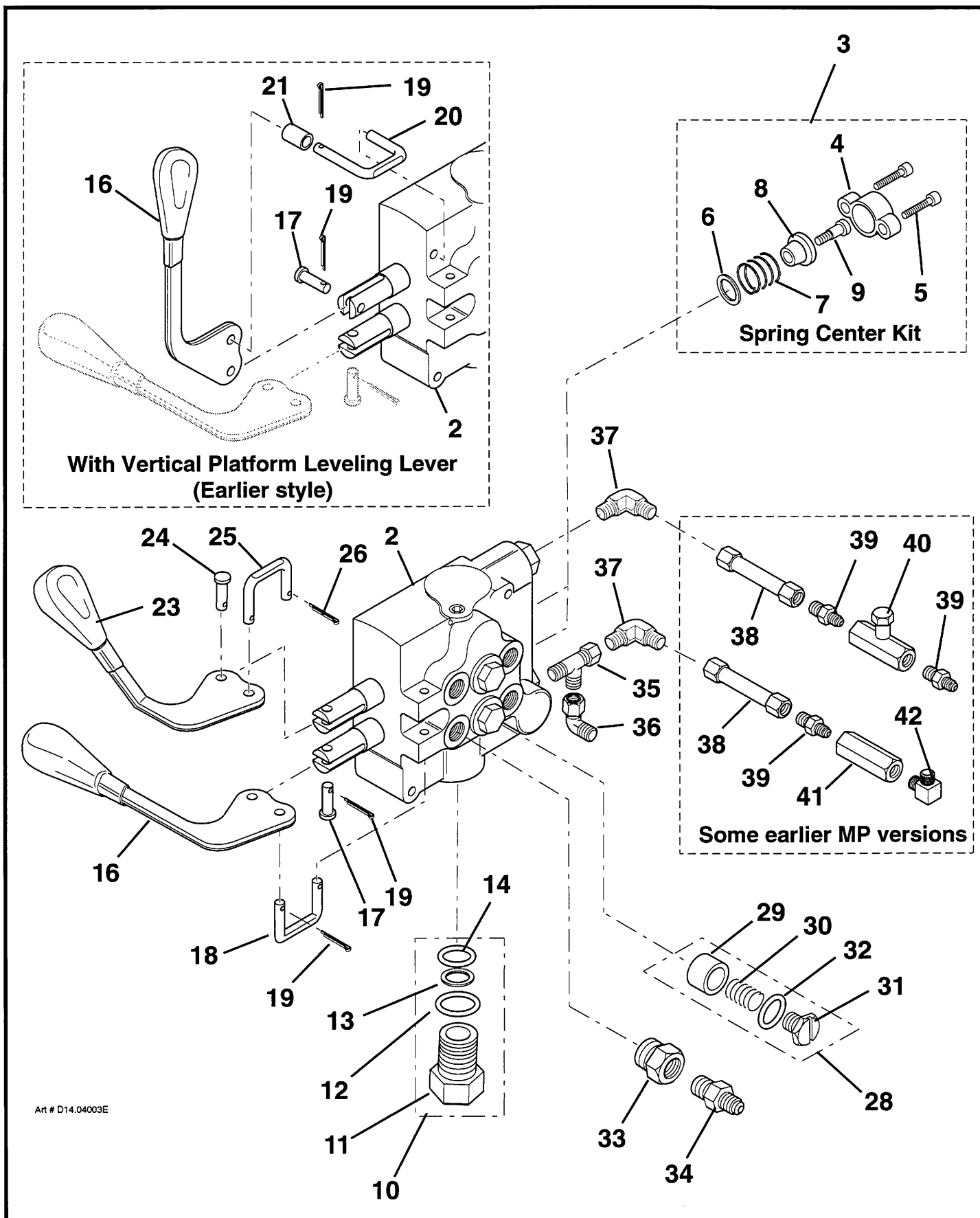
PART
NO.

01-061900

PLATE
NO.

D13.05

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL	1
	352 4590		for MP Series except MP 110	
			for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40:	
	353 1480		Early style (Platform leveling lever is mounted vertically)	
	353 3920		Later style (Platform leveling lever is bent 45° upward)	
			for Trailblazer 60	
1			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)	
2			SPOOL AND BODY ASSEMBLY	
3	01-207103		SPRING CENTER KIT	2
4			CAP, END	1
5			SCREW (with lock washer)	2
6			WASHER	1
7			SPRING, RETURN	1
8			SPACER	1
9			BOLT, SHOULDER	1
10			BUSHING KIT, POWER BEYOND	1
11			BUSHING, POWER BEYOND	1
12			"O"-RING	1
13			RING, BACKUP	1
14			"O"-RING	1
15	01-207102		HANDLE KIT (Straight handle)	A.R.
16	01-207105		HANDLE	1
17	01-098403		PIN, CLEVIS	1
18	01-207104		"C"-HOOK	1
19	01-207106		PIN, COTTER	3
20	218 0880		PIN, PIVOT (For earlier style platform leveling lever.	
			Replaces "C"-hook in handle kit above.)	1
21	218 0900		SPACER, VALVE PIVOT PIN	
			(For earlier style vertical platform leveling lever)	1
22	01-207107		HANDLE KIT (45° angled handle, for later style	
			platform leveling lever.)	1
23	01-207108		HANDLE	1
24	01-098403		PIN, CLEVIS	1
25	01-207104		"C"-HOOK	1
26	01-207106		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)

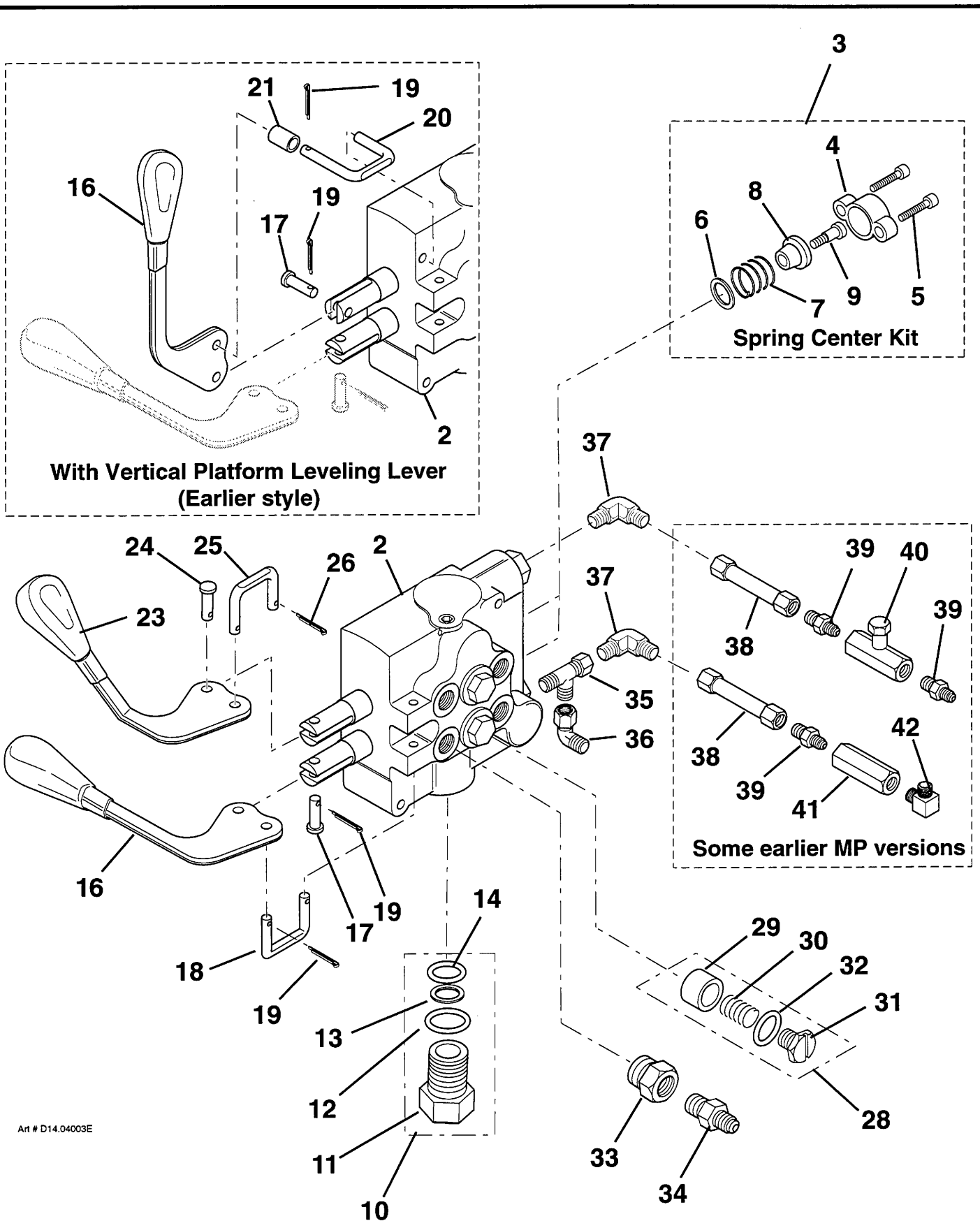
SIMON AERIALS INC.

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	218 9010 219 0800		FITTING, ORIFICED (either of these may be fitted) Modified 4-6 F5OX-S (Optional. Item 34 is not required.) Modified 4 F5OX-S (Optional. Item 34 is also required.)	4
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.		PART NO.
		REV. 29 NOV., 1995		



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 01-201400 353 5630 353 5640		VALVE ASSEMBLY, DRIVE CONTROL (First type shown) First type (Not for use with Water Glycol hydraulic fluid) First type (Can be used with Water Glycol hydraulic fluid) Second type (Single cam [Item 21] has three detents) Second type (Single cam [Item 21] has one detent)	1
1	--- 01-230800		VALVE, FLOW CONTROL (1 tooth) For " first type " assembly (Valve is not available separately) For " second type " assembly	1
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 used with " first type " valve	1
15	232 3270 07-023059	shown	used with " second type " valve 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)

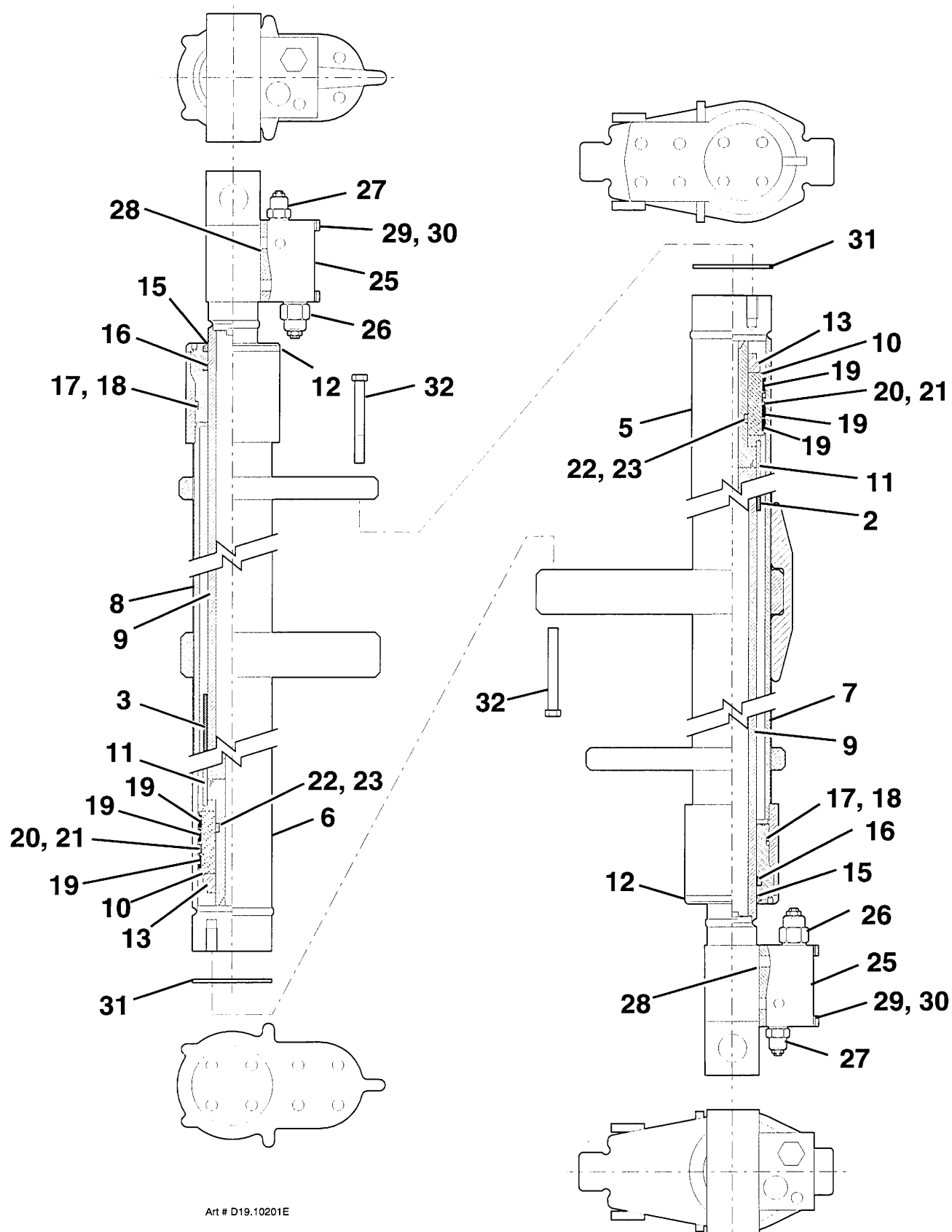
PLATE NO. D18.02 **SIMON AERIALS INC.**

REV. 16 JAN., 1996

PART NO.

[illegible]

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	234 0720		CYLINDER ASSEMBLY, DOUBLE TELESCOPE (for Model T 50 Trailblazer)	1
2	234 0740		SPACER, MID BOOM TELESCOPE CYLINDER (93" [2.36 M] long)	1
3	234 0730		SPACER, TIP BOOM TELESCOPE CYLINDER (34" [0.86 M] long)	1
4	04-037300		CYLINDER ASSEMBLY, DOUBLE TELESCOPE (for Model T 60 Trailblazer)	1
5			CYLINDER ASSEMBLY, MID BOOM TELESCOPE	1
6			CYLINDER ASSEMBLY, TIP BOOM TELESCOPE	1
7			CASE, MID BOOM TELESCOPE	1
8			CASE, TIP BOOM TELESCOPE	1
9			ROD, CYLINDER	1
10			PISTON	1
11			SPACER	1
12			GLAND, HEAD	1
13			NUT, LOCK	1
14	04-037301		SEAL KIT	1
15			WIPER, ROD	1
16			SEAL, ROD	1
17			"O"-RING	1
18			RING, BACKUP	1
19			RING, PISTON WEAR	3
20			"O"-RING	1
21			SEAL, PISTON	1
22			"O"-RING	1
23			WASHER, BACKUP	1
24	01-226300		COUNTERBALANCE VALVE KIT	1
25			BLOCK, VALVE	1
26	04-036502		VALVE, COUNTERBALANCE (Retract) (set at 4000 PSI [276 Bar] [281 Kg/ cm ²]) (valve is marked " CBEA-LHN ")	1
27	04-035103		VALVE, COUNTERBALANCE (Extend) (set at 1200 PSI [82.8 Bar] [84.4 Kg/ cm ²]) (valve is marked " CWCA-LHN ")	1
28			"O"-RING	2
29			CAP SCREW, HEX HEAD (1/4"-20 x 3")	4
30			WASHER, LOCK	4
31			PLATE, SHIM	2
32			CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4")	8
TITLE TELESCOPE CYLINDER ASSEMBLY, TRAILBLAZER 50 OR 60				
PLATE NO. D19.102		SIMON AERIALS INC.		PART NO.
REV. 05 JAN., 1996				



TITLE TELESCOPE CYLINDER ASSEMBLY, TRAILBLAZER 50 OR 60

SIMON AERIALS INC.

REV. 05 JAN., 1996

PART
NO.

PLATE
NO. D19.102

PARTS LIST

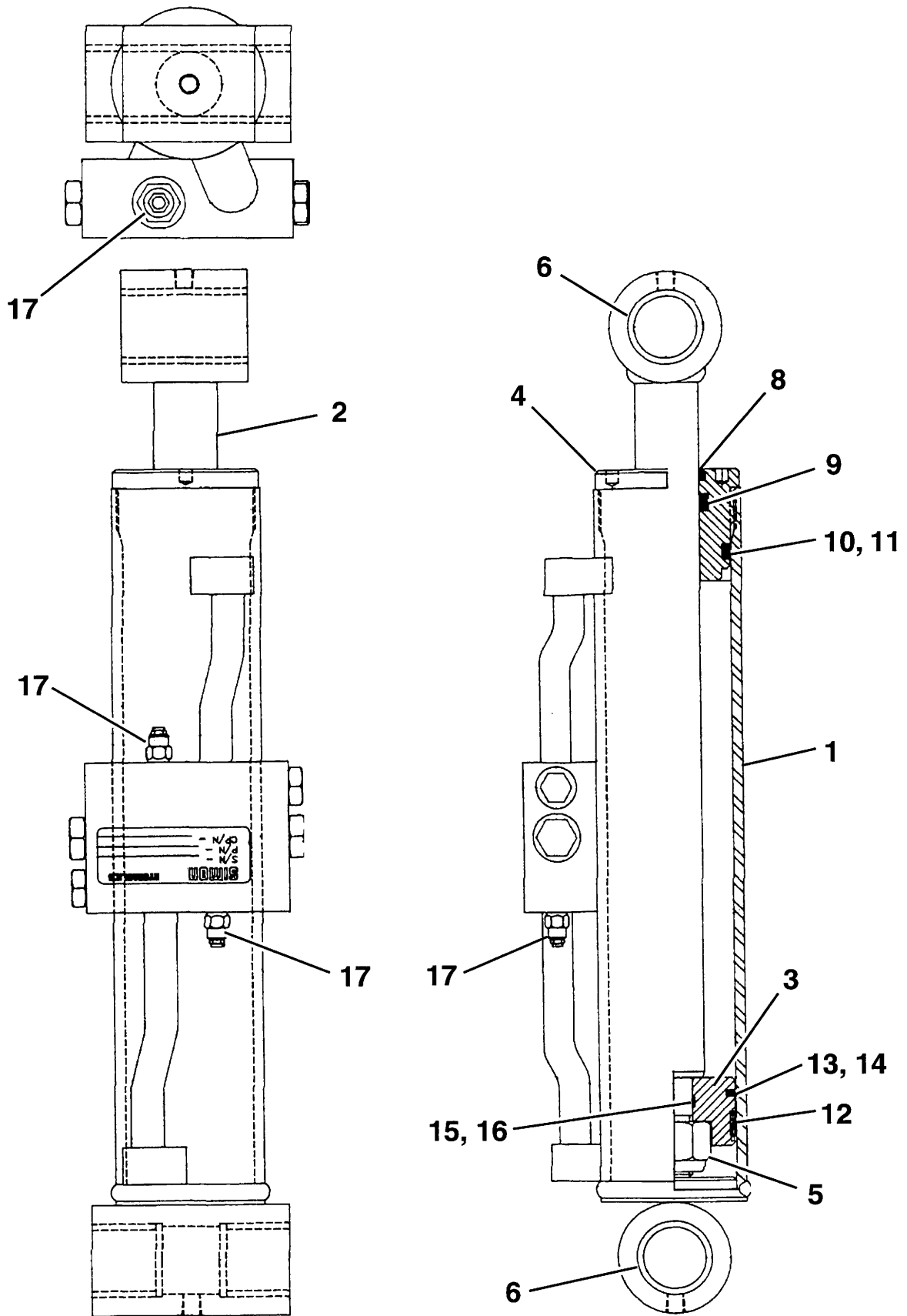
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032700SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4			GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8			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



TITLE

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

SIMON AERIALS INC.

REV. 15 OCT., 1993

PART
NO.

04-032700

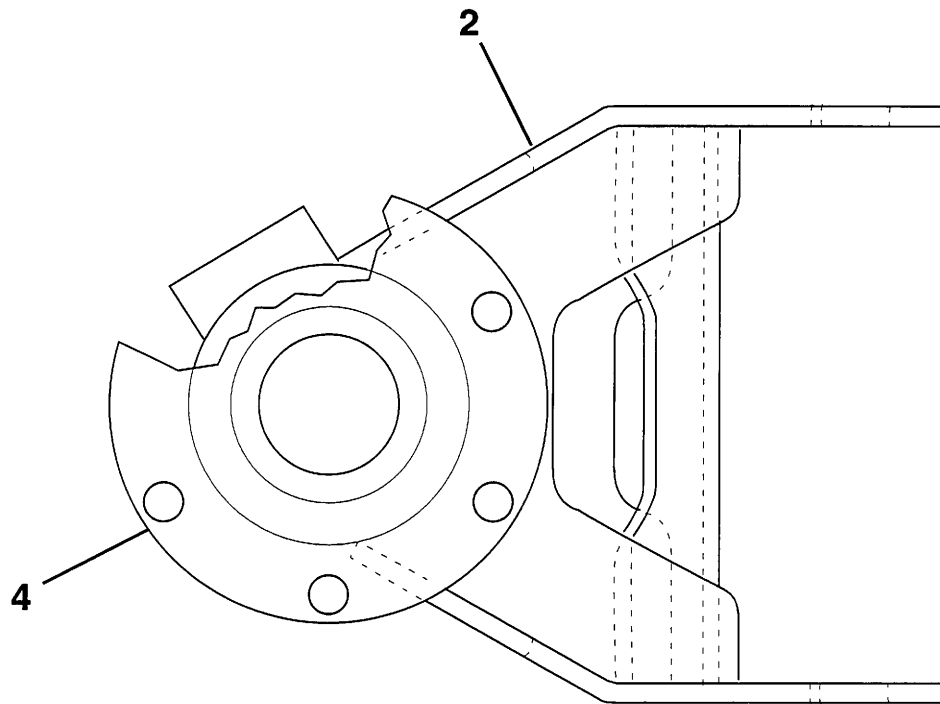
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D20.101

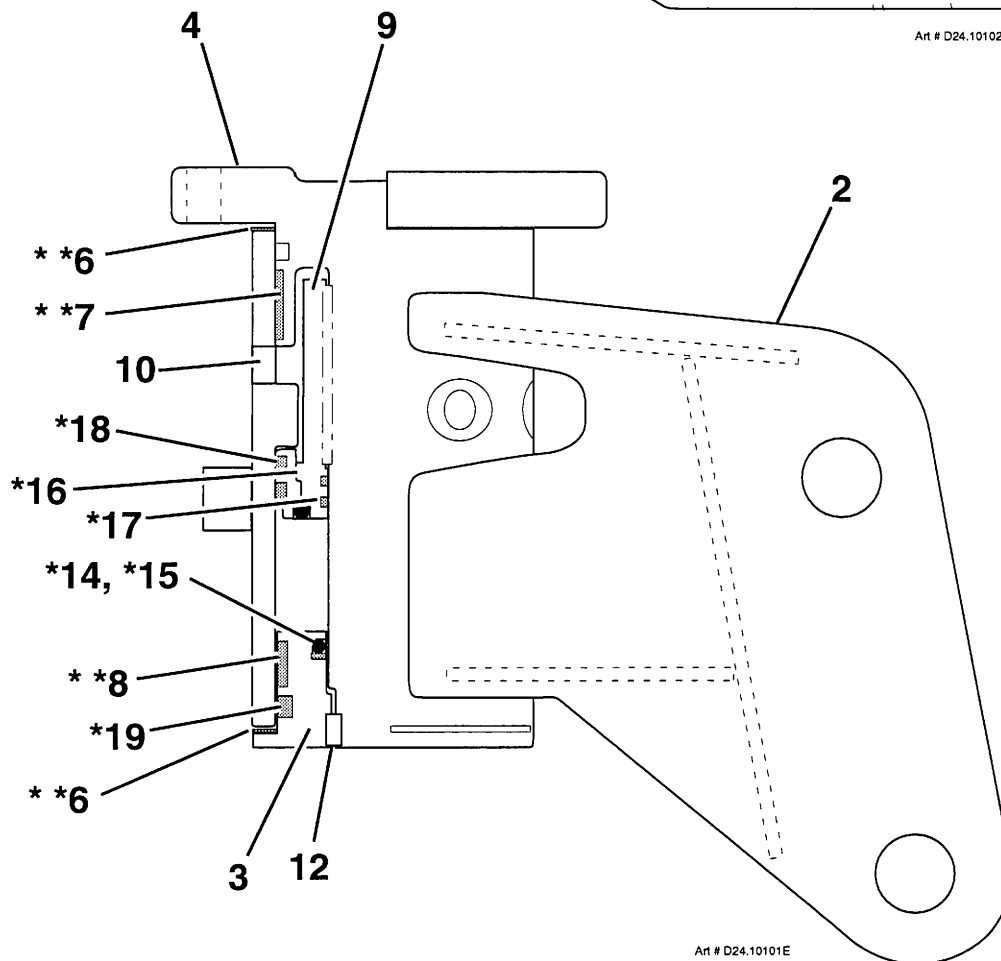
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PLATFORM ROTARY ACTUATOR

02-037800



Art # D24.10102E



Art # D24.10101E

TITLE

PLATFORM ROTARY ACTUATOR

SIMON AERIALS INC.

REV. 25 JUN., 1994

PART NO. 02-037800

PLATE NO. D24.101

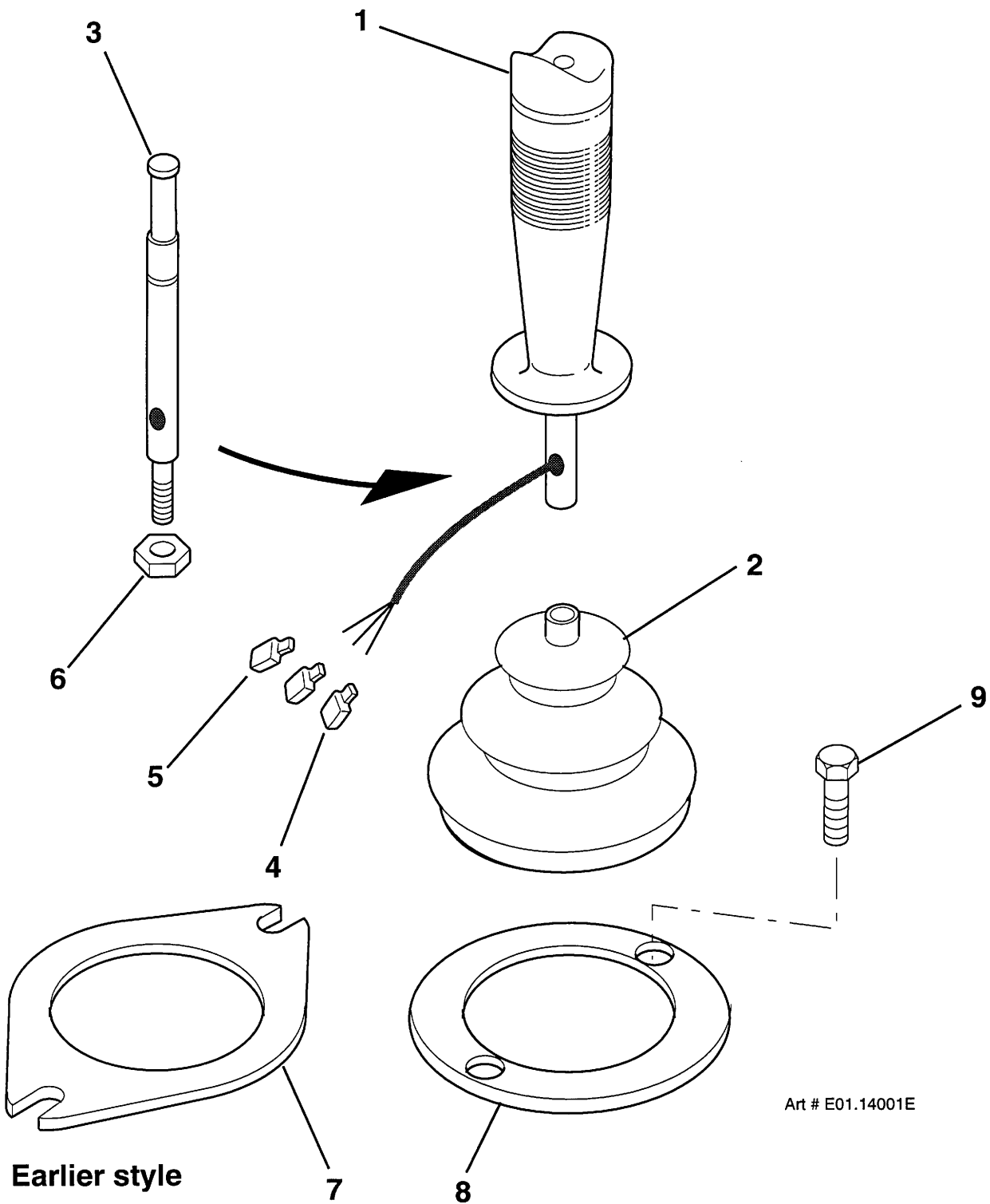
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PLATE NO. E01.14

SIMON AERIALS INC.

REV. 01 MAR., 1994

PART NO. 3530010



TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

REV. 01 MAR., 1994

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)

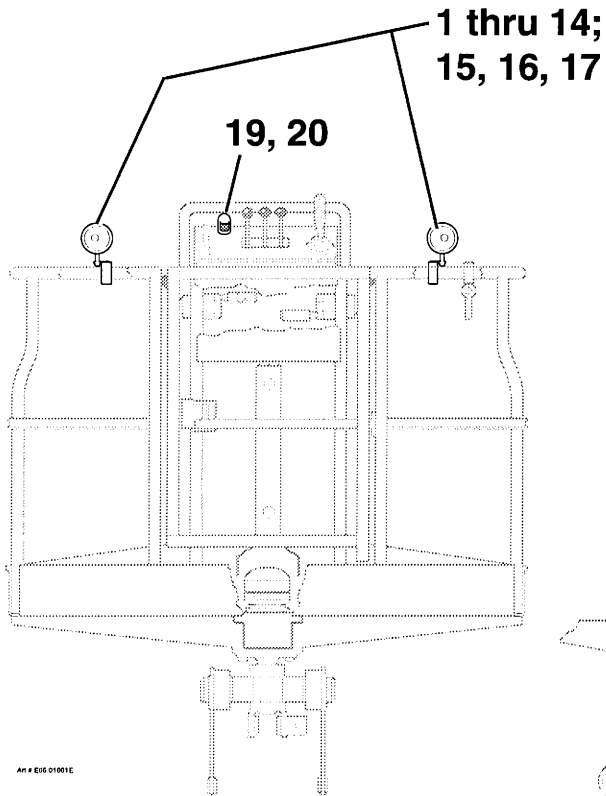
PLATE NO.

E05.01

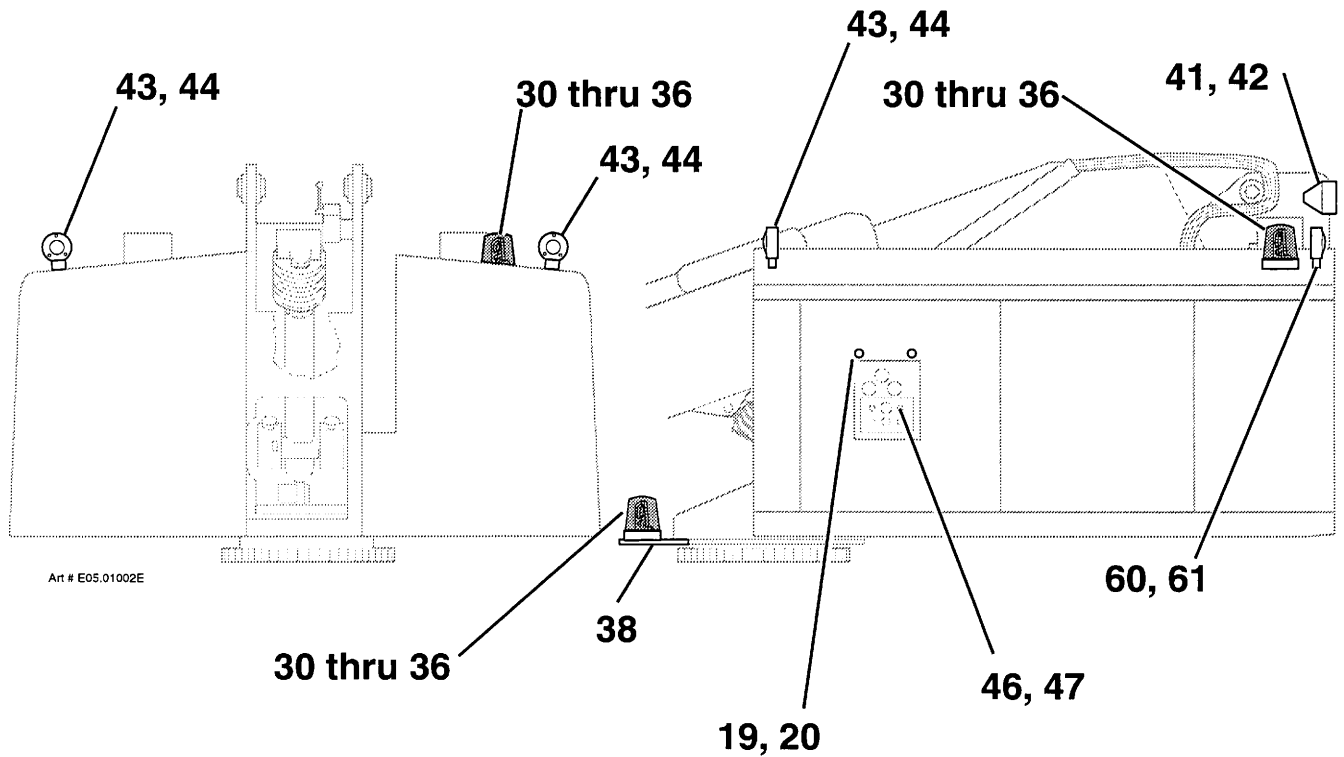
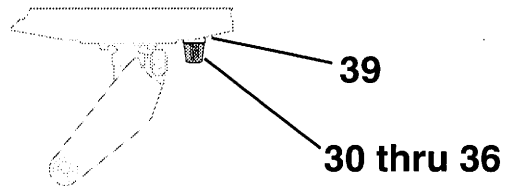
SIMON AERIALS INC.

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)

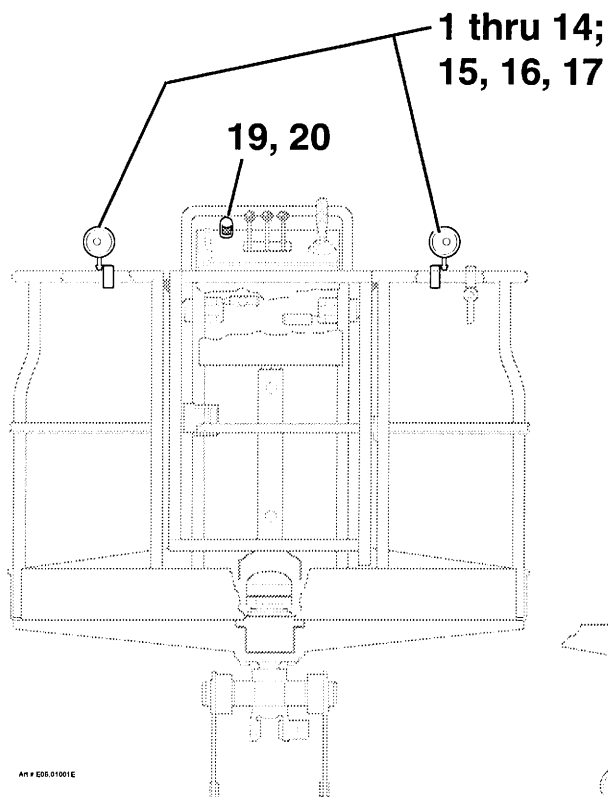
PLATE NO.

E05.01

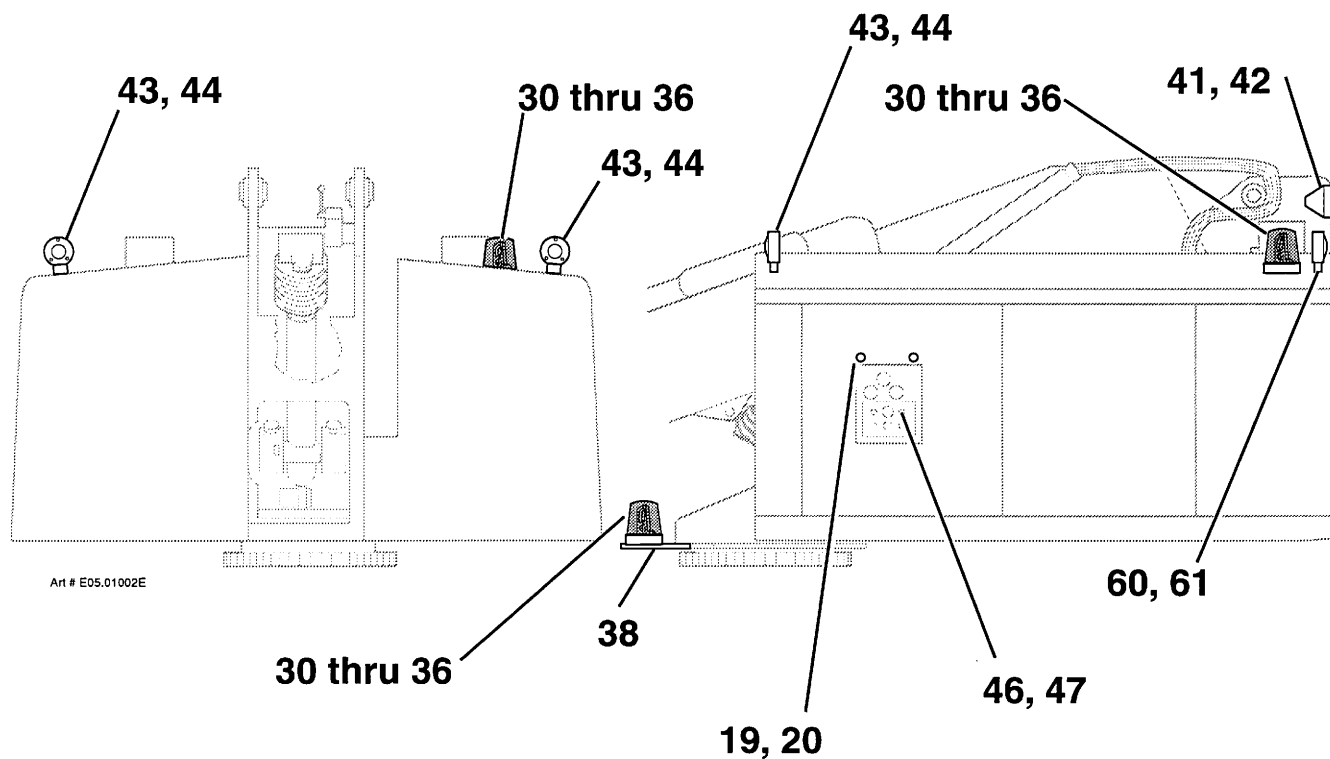
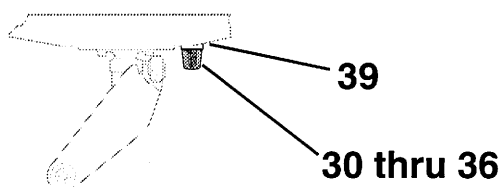
SIMON AERIALS INC.

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.

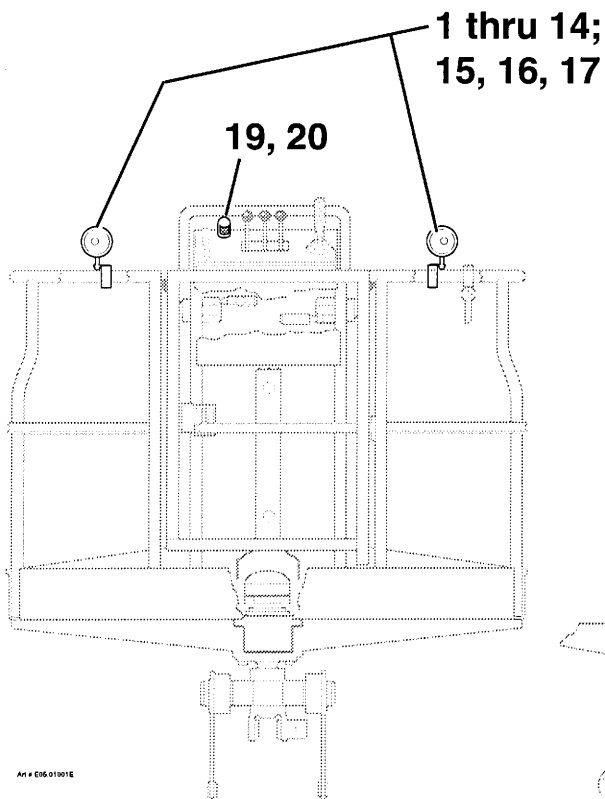
REV. 23 MAR., 1995

**PART
NO.**

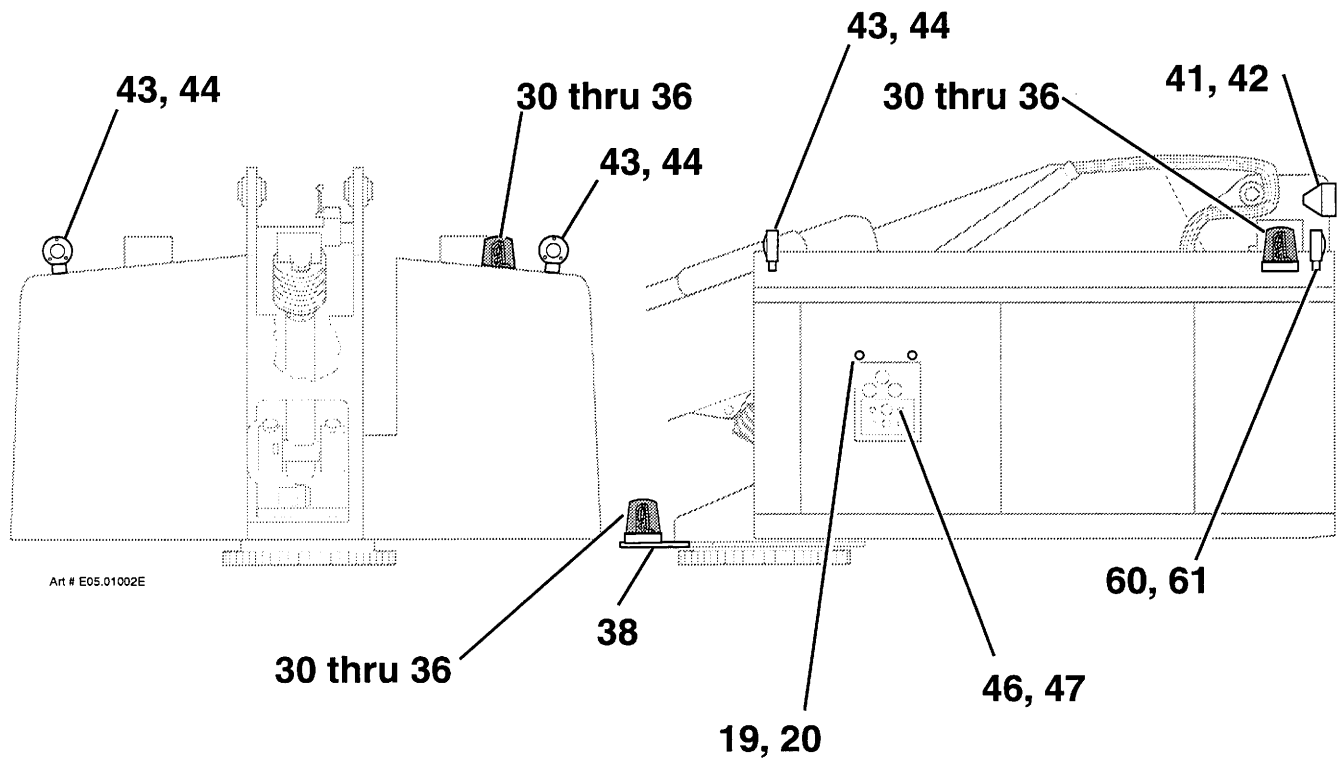
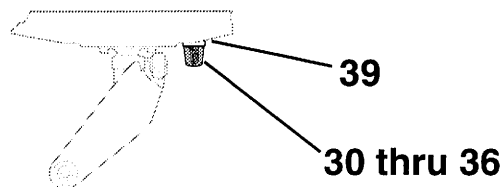
**PLATE
NO.**

E05.01

[illegible]



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.**

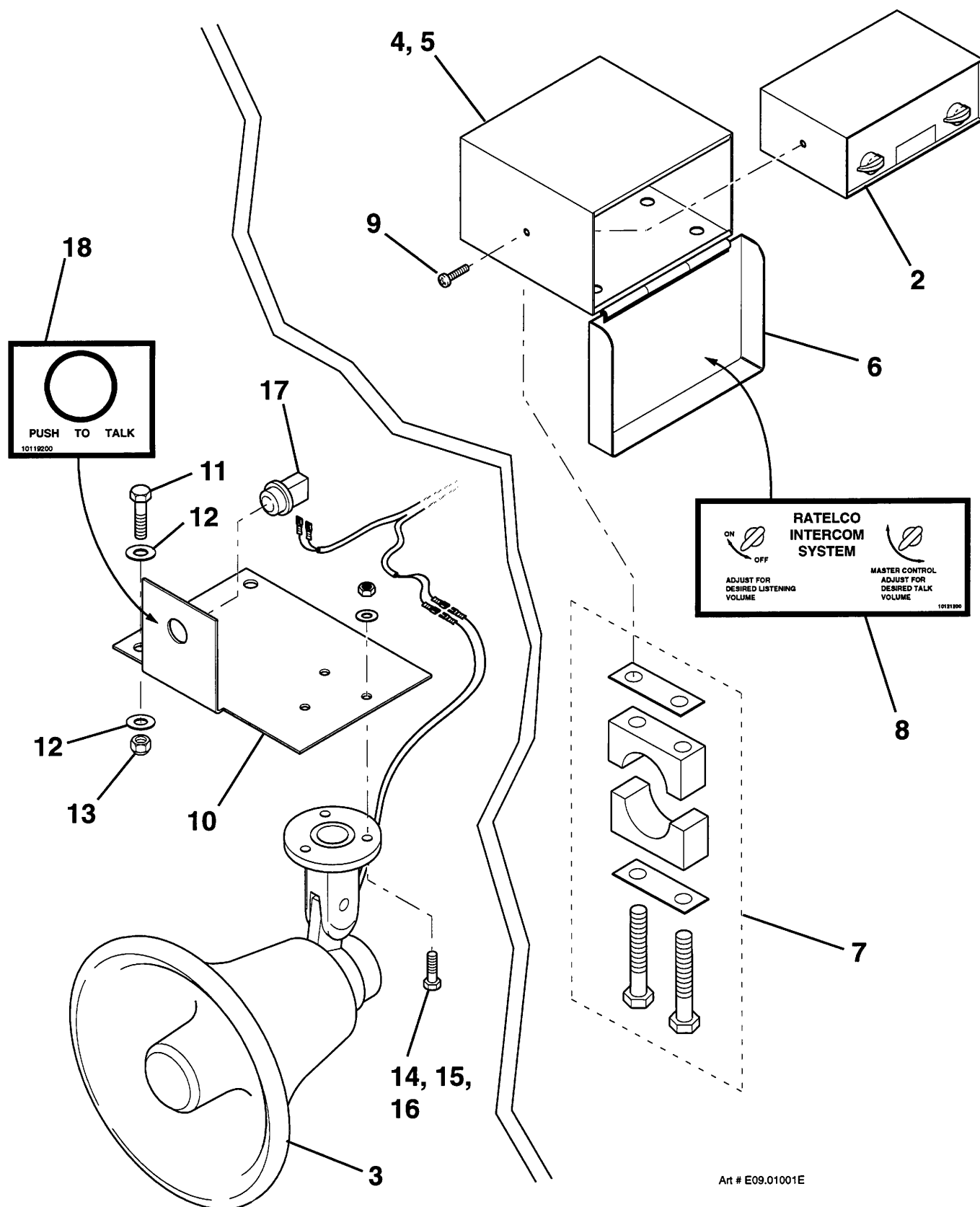
**PLATE
NO. E05.01**

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E09.01

NEW 02 MAY., 1994

PART
NO.



TITLE

MOBILE INTERCOM SYSTEM (OPTION)

SIMON AERIALS INC.

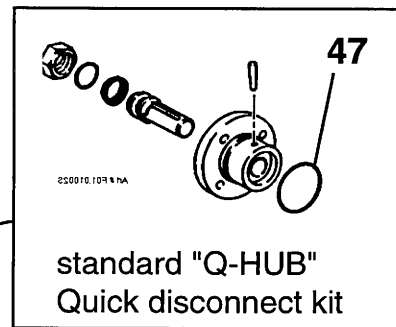
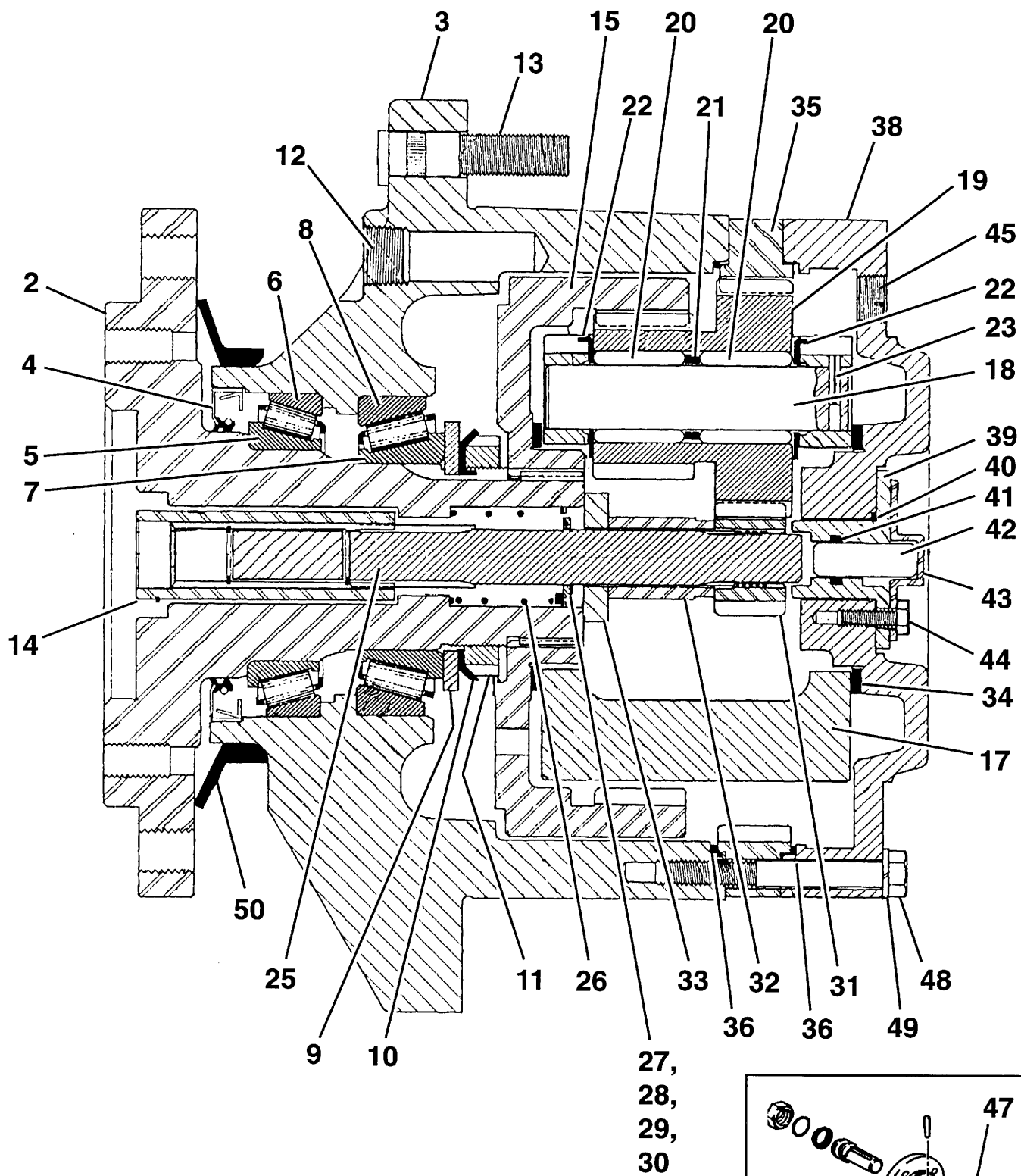
NEW 02 MAY., 1994

PART
NO.

PLATE
NO.

E09.01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 38) reads "W2B2FZ313".	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-041103		SPINDLE	1
3			HUB (HOUSING)	1
4	02-041108		SEAL, HUB	1
5	02-041107		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-041106		CUP, HUB BEARING (inner)	1
7	02-041110		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-041109		CUP, HUB BEARING (outer)	1
9			WASHER, FLAT (Tanged)	1
10			WASHER, LOCK (Tanged)	1
11	02-041111		NUT, BEARING	1
12			PLUG, PIPE (Magnetic)	2
13	02-000526		STUD, WHEEL MOUNTING (5/8"-18, Grade 5)	9
14	02-041120		COUPLING, MOTOR	1
15	02-041117		GEAR, INTERNAL	1
16			CARRIER ASSEMBLY, PLANETARY	1
17	02-041114		CASE, CARRIER	1
18	02-041112		SHAFT, PLANET	3
19	02-041116		GEAR, PLANET (Cluster Gear)	3
20	02-000540		ROLLER, NEEDLE	114
21			SPACER, THRUST	3
22	02-041113		WASHER, THRUST (Tanged)	6
23			PIN, ROLL (.164" x .75")	3
24			SHAFT ASSEMBLY, INPUT	1
25			SHAFT, INPUT	1
26	02-041119		SPRING	1
27			WASHER, THRUST (.778")	1
28			WASHER, THRUST (.900")	1
29			RING, RETAINING (Internal, 1-3/8")	1
30	02-000509		RING, RETAINING (External, 3/4")	1
31	02-041115		GEAR, INPUT (Sun Gear)	1
32			SPACER, INPUT (smaller dia.)	1
33			SPACER, INPUT (larger dia.)	1
34	02-041104		WASHER, THRUST	2
35	02-041118		GEAR, RING	1
36	02-041102		O-RING	2
TITLE TORQUE HUB (13.3:1) (PLATE 1 OF 2)				
PLATE NO.	F01.101	SIMON AERIALS INC.		PART NO. 02-041100
NEW 03 NOV., 1993				



TITLE

TORQUE HUB (13.3:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 03 NOV., 1993

PART
NO.

02-041100

PLATE
NO.

F01.101

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
37			COVER ASSEMBLY, HUB	1
38			COVER, HUB	1
Note: Items 39 through 45, although shown on the illustration, are not used on this model. The "Q-hub" quick-disconnect Cover Cap Kit (item 46) is standard, replacing items 39 through 45.				
39	not used		CAP, COVER	1
40	not used		"O"-RING	1
41	not used		"O"-RING	1
42	not used		ROD, DISCONNECT	1
43	not used		CAP, DISCONNECT	1
44	not used		BOLT (1/4"-20 x 3/4")	4
45	not used		PLUG, PIPE (Oil level check)	1
46	02-000510		CAP KIT, COVER (quick-disconnect "Q-hub" kit)	1
47	02-000523		SEAL, DISCONNECT CAP	1
48			BOLT (3/8"-16 x 3")	20
49	02-041105		WASHER, LOCK	20
50	02-041101		SEAL, BOOT	1
The following item is not shown on the illustration:				
52	02-000619		RING, RETAINING (External, 1-1/4")	1

TITLE

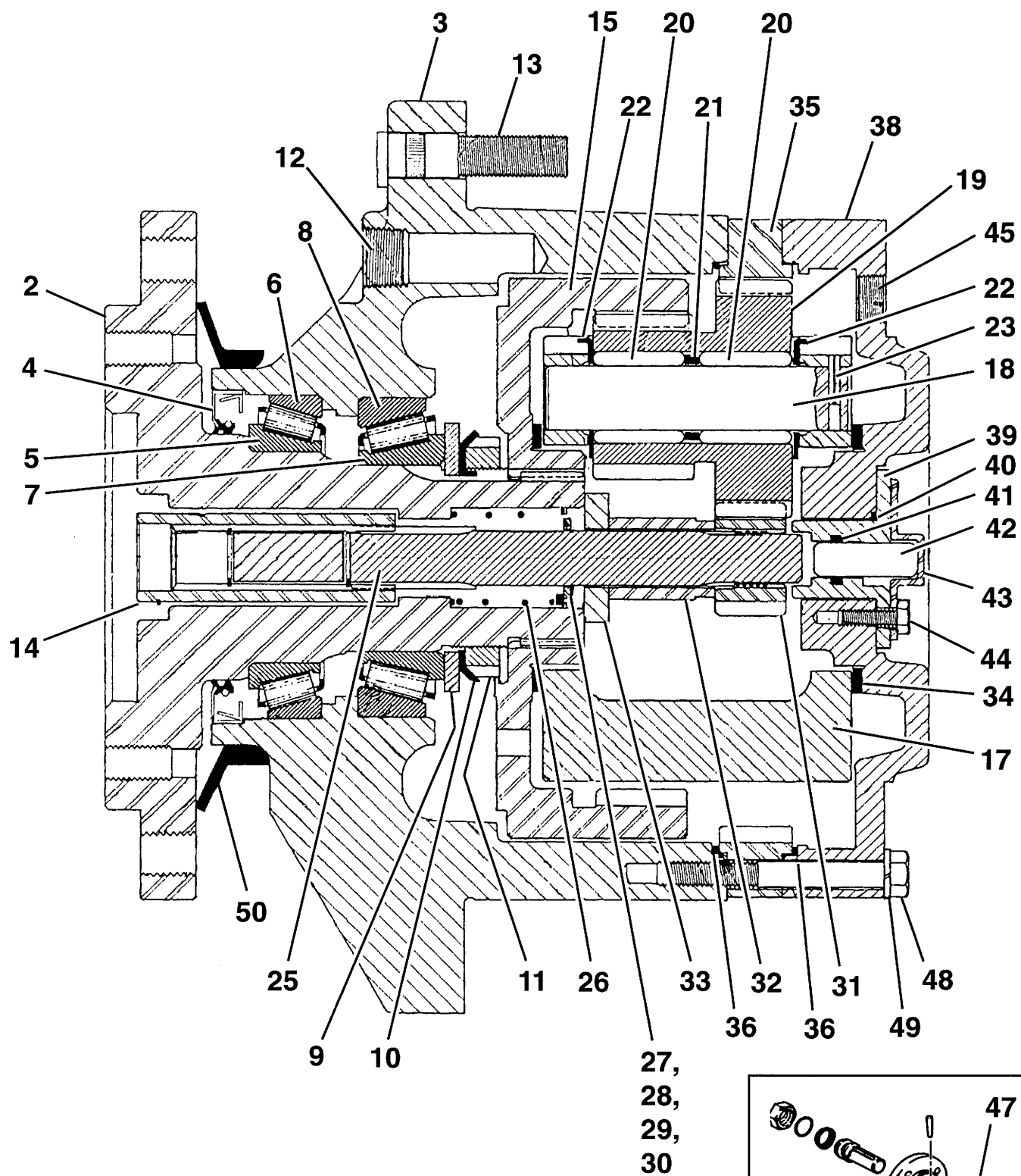
TORQUE HUB (13.3:1) (PLATE 2 OF 2)

PLATE NO. F01.101

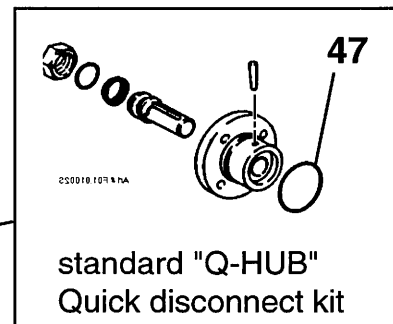
SIMON AERIALS INC.

NEW 03 NOV., 1993

PART NO. 02-041100



27,
28,
29,
30



TITLE

TORQUE HUB (13.3:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 03 NOV., 1993

PART
NO.

02-041100

PLATE
NO.

F01.101

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

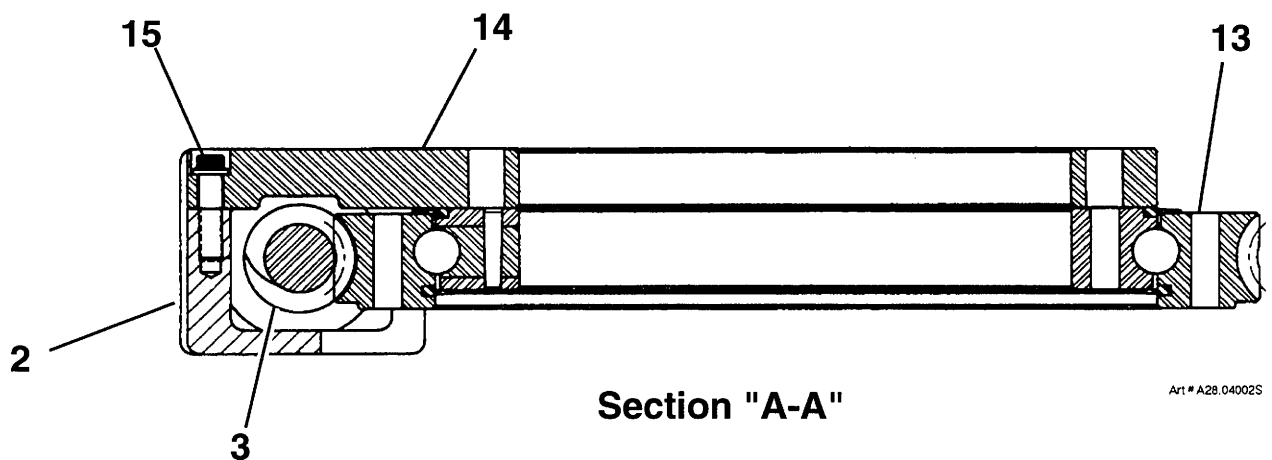
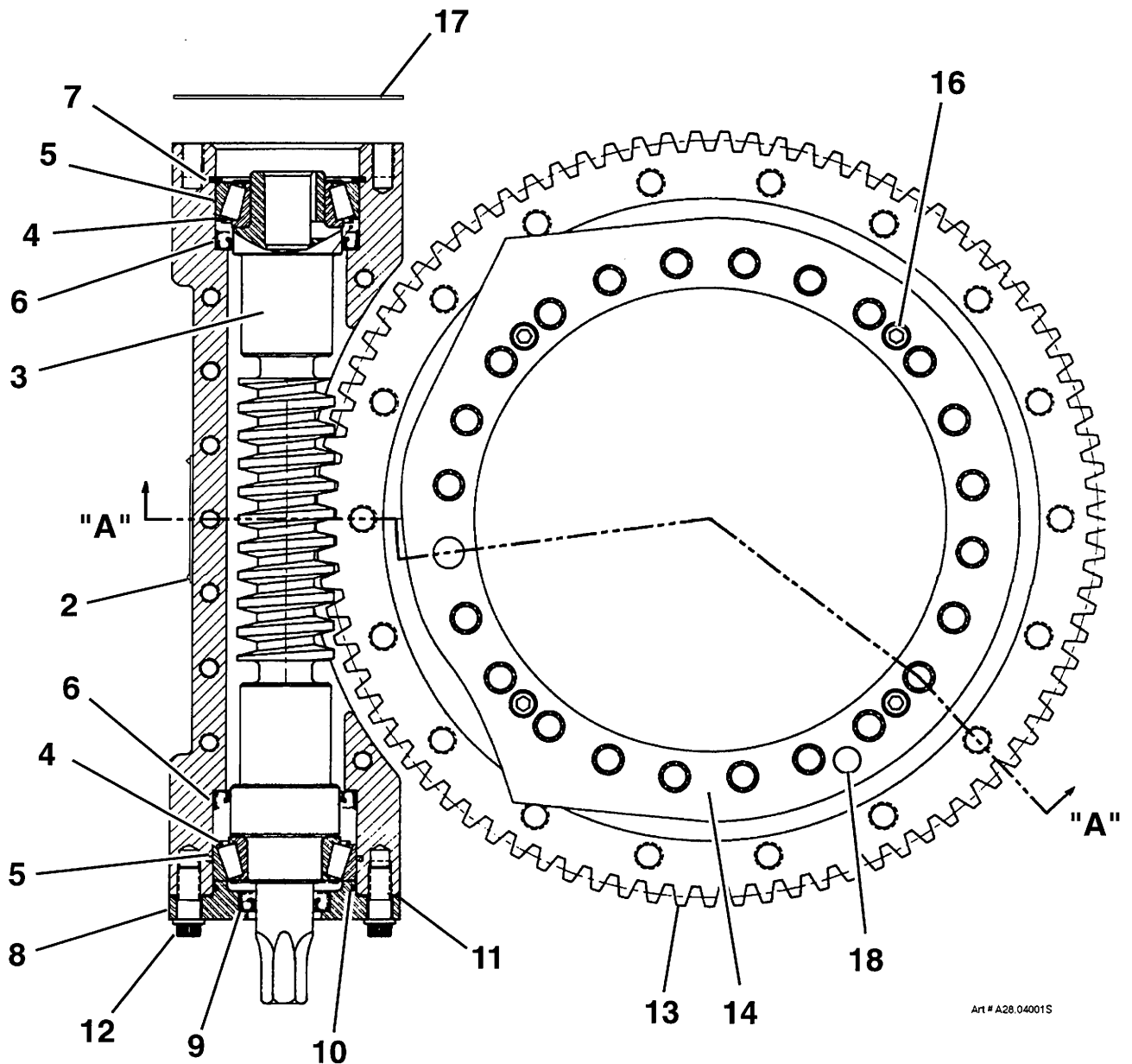
SWING REDUCER ASSEMBLY, TRAILBLAZER

PLATE NO. F02.101

SIMON AERIALS INC.

NEW 08 JAN., 1993

PART NO. 08-069000



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			DECAL KIT, TRAILBLAZER 50 (Not available. Purchase decals individually.)	
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	10-157100		DECAL, "CAUTION" ("Preparations for unpowered . . .") (for versions without Tow Package) (Supercedes earlier version [below] with same Part No.)	1
	10-157100		DECAL, MANUAL BRAKE RELEASE (Superceded by later version [above] with same Part No.)	1
6	10-244000		DECAL, "CAUTION" ("Preparations for towing . . .") (for versions with Tow Package)	1
7	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with liquid cooled engine)	1
8	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with liquid cooled engine)	1
9	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
10			PLACARD, FUEL	1
	10-117900		"GASOLINE ONLY"	
	10-151100		"DIESEL FUEL ONLY"	
11	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
12	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
13	10-087400		DECAL, GROUND CONTROL VALVES	1
14	10-131500		PLATE, REMOTE CONTROL PENDANT	1
15	10-007200		DECAL, "DISENGAGE LOCK PIN . . ."	2
16	10-148300		DECAL, "Platform capacity 500 Lbs (225 Kg)" (4-1/2" [114 mm] wide, black letters on white background) (Two used on earlier versions, four on later versions)	A.R.
17	10-145300		DECAL, "Platform capacity 500 Lbs (225 Kg)" (18-1/4" [464 mm] wide, black individual letters) (Installed under platform entrance on some early versions)	1
18	10-012900		DECAL, "FORWARD" WITH ARROW	2

TITLE

DECALS, TRAILBLAZER 50 (PLATE 1 OF 2)

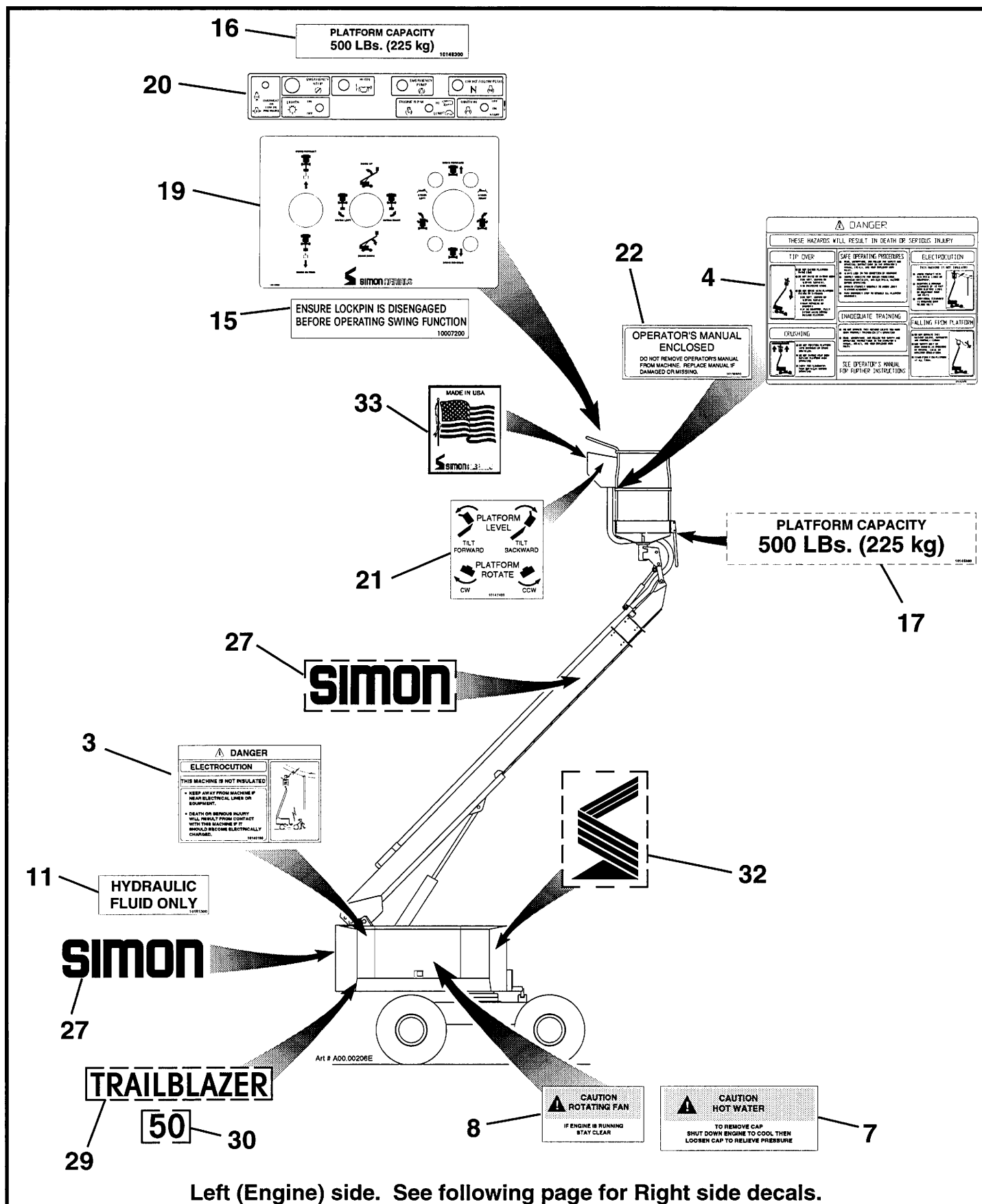
PLATE
NO.

F99.103

SIMON AERIALS INC.

NEW 10 JAN., 1996

PART
NO.



Left (Engine) side. See following page for Right side decals.

TITLE

DECALS, TRAILBLAZER 50 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 10 JAN., 1996

PART
NO.

PLATE
NO. **F99.103**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	10-145000 10-241100	shown	PLACARD, PLATFORM CONTROL VALVES Standard (Lexan) Optional (Stencil-cut aluminum)	1
20	10-241400		SPACER (needed with aluminum control placard)	6
	10-145900		DECAL, PLATFORM ELECTRICAL CONTROLS Red background around Emergency Stop button	1
21	10-222300		Yellow background around Emergency Stop button	1
	10-147400	shown	DECAL, PLATFORM LEVEL AND ROTATE CONTROLS Standard (Lexan)	
	10-241200		Optional (Stencil-cut aluminum)	4
	10-241400		SPACER (needed with aluminum control placard)	
22	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
23	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
24	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for "Dual fuel" versions)	1
25	215 7710		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for "Dual fuel" versions)	1
26	10-150100		DECAL, MANUAL LOWER AND RETRACT INSTRUCTION (for versions with optional manual lowering valves)	1
27	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
28			DECAL, "SIMON" NAME (5" [127 mm] high)	A.R.
	10-105900		White (Standard. One at front of platform, one additional under entrance when small capacity decals are fitted.)	
	10-017200		Black (Used with some optional paint colors.)	
29	10-139200		DECAL, "TRAILBLAZER" NAME	2
30	10-257200		DECAL, MODEL "50"	2
31	10-139400		DECAL, "4 x 4" IDENTIFICATION	1
32	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm] high)	2
33	10-121600		DECAL, "MADE IN U.S.A."	1
34	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.
35	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.
36	10-031000		STRIP, "SAF-STEP" (Black, 4" [102 mm] x 60' [18.3 M] roll. 18" [46 cm] needed this application.)	A.R.
TITLE DECALS, TRAILBLAZER 50 (PLATE 2 OF 2)				
PLATE NO. F99.103		SIMON AERIALS INC.		PART NO.
NEW 10 JAN., 1996				

