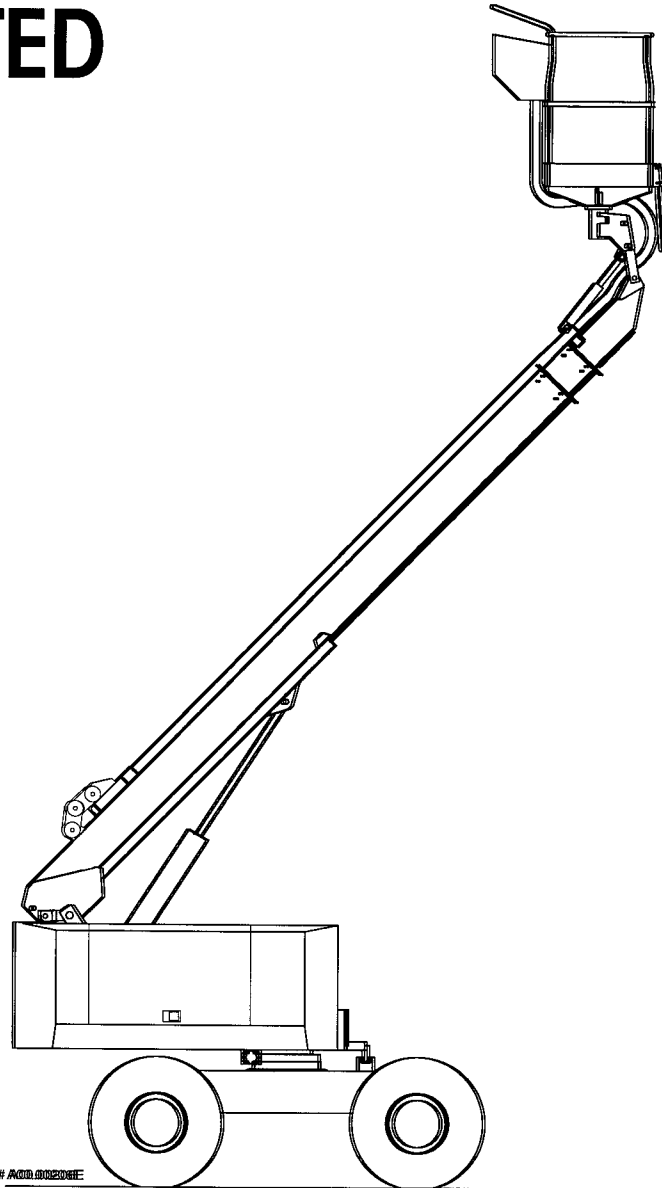




TEREX AERIALS
Milwaukee, Wisconsin

**FOR MACHINE
SERIAL NUMBER**



Ant # A00.00206E

Part No. 89-260005 • Rev. "0.3", dated Dec., 1995 •

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(WITH CONTINUOUS ROTATION OPTION)

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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 60 SELF-PROPELLED AERIAL WORK PLATFORMS. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure maximum SAFETY and PERFORMANCE.

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

HOW TO USE THIS CATALOG

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

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to TRAILBLAZER 60 machines are included in this Catalog.

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

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

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

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

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

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

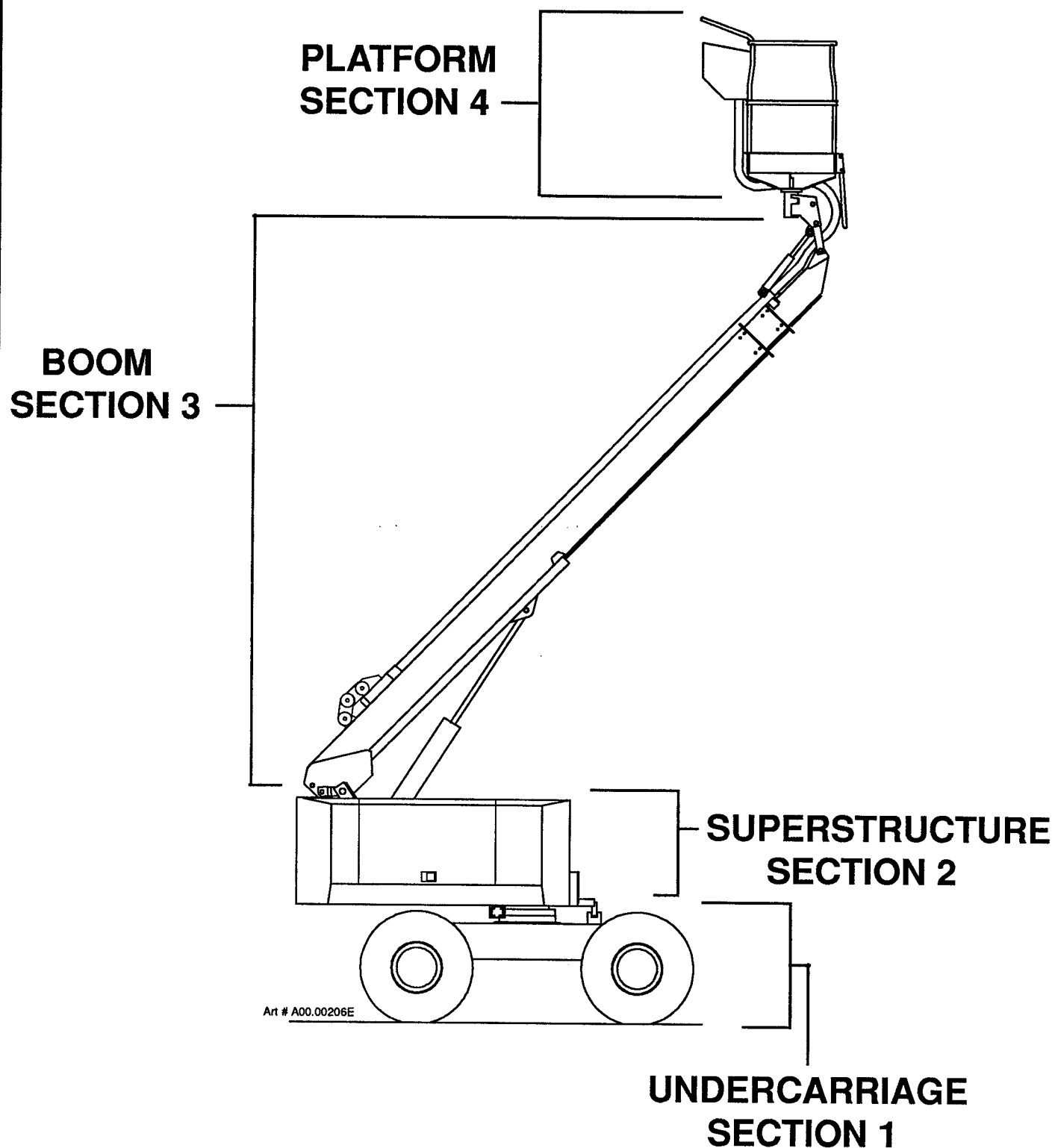
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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

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

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



TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART
NO.PLATE
NO.

PARTS LIST

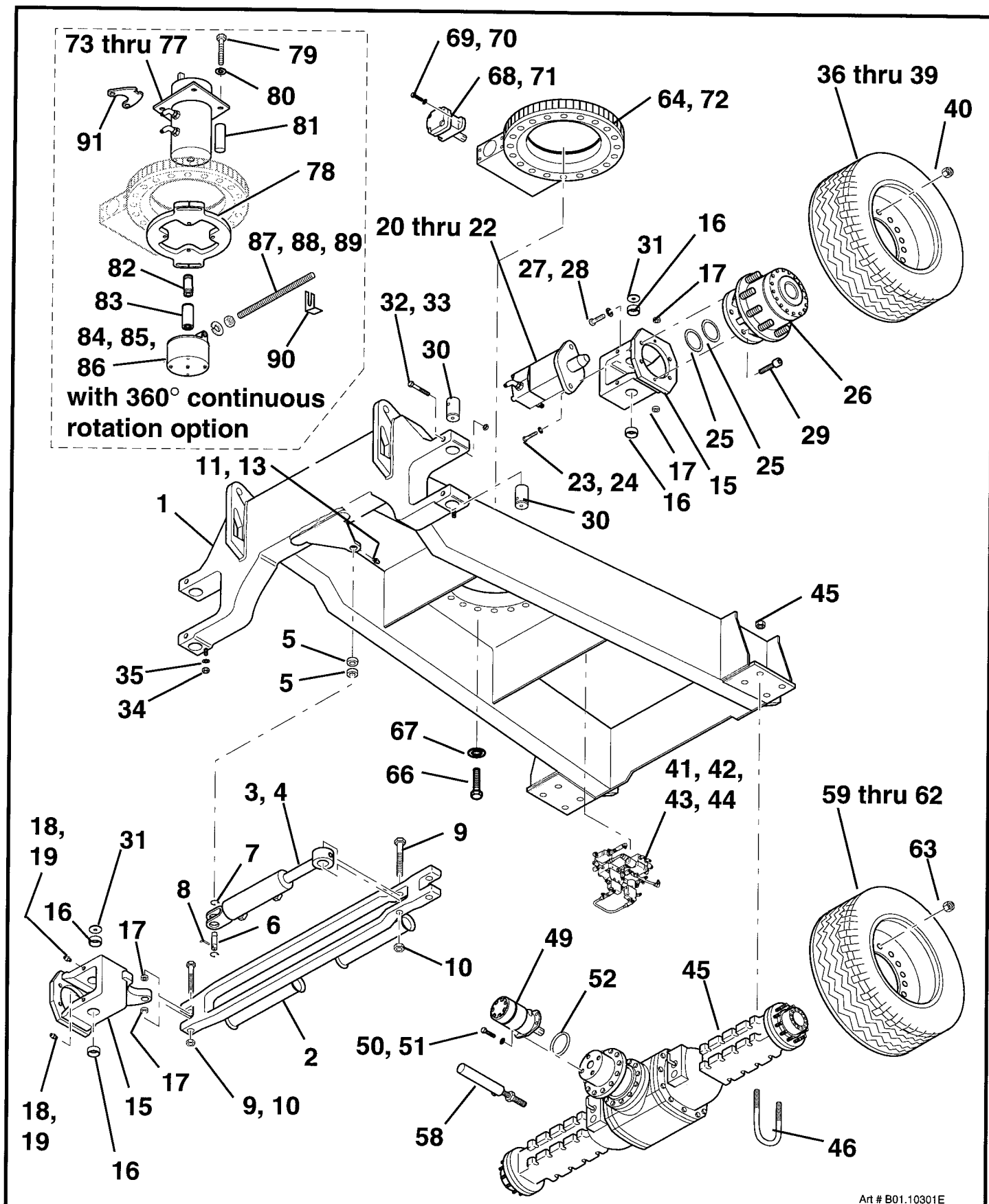
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 1540 354 5430		UNDERCARRIAGE ASSEMBLY For units without 360° continuous rotation option. For units with 360° continuous rotation option.	1
1	231 6930		UNDERCARRIAGE WELDMENT (Note: For Model T 50 applications, modification is required. Ref. 234 1060)	1
2	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		CAP, GREASE FITTING (White plastic)	3
20	01-221900	D03.103	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		SEAL (Rubber, 4" O.D., 2-1/2" I.D.)	2
26	02-041100	F01.101	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, T 50, T 60 (PLATE 1 OF 4)

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

REV. 30 JAN., 1996

PART NO.



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

SIMON AERIALS INC.

REV. 30 JAN., 1996

PART
NO.

PLATE
NO. B01.103

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	232 3630		PIN, KING (2" x 4-3/16") (replaces 219 2390)	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 . .	C12.102	VALVE ASSEMBLY, MOTION CONTROL For units without 360° continuous rotation option.	1
	See Plate . .	C12.103	For units with 360° continuous rotation option.	
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, T 50, T 60 (PLATE 2 OF 4)

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

REV. 30 JAN., 1996

PART NO.

PARTS LIST

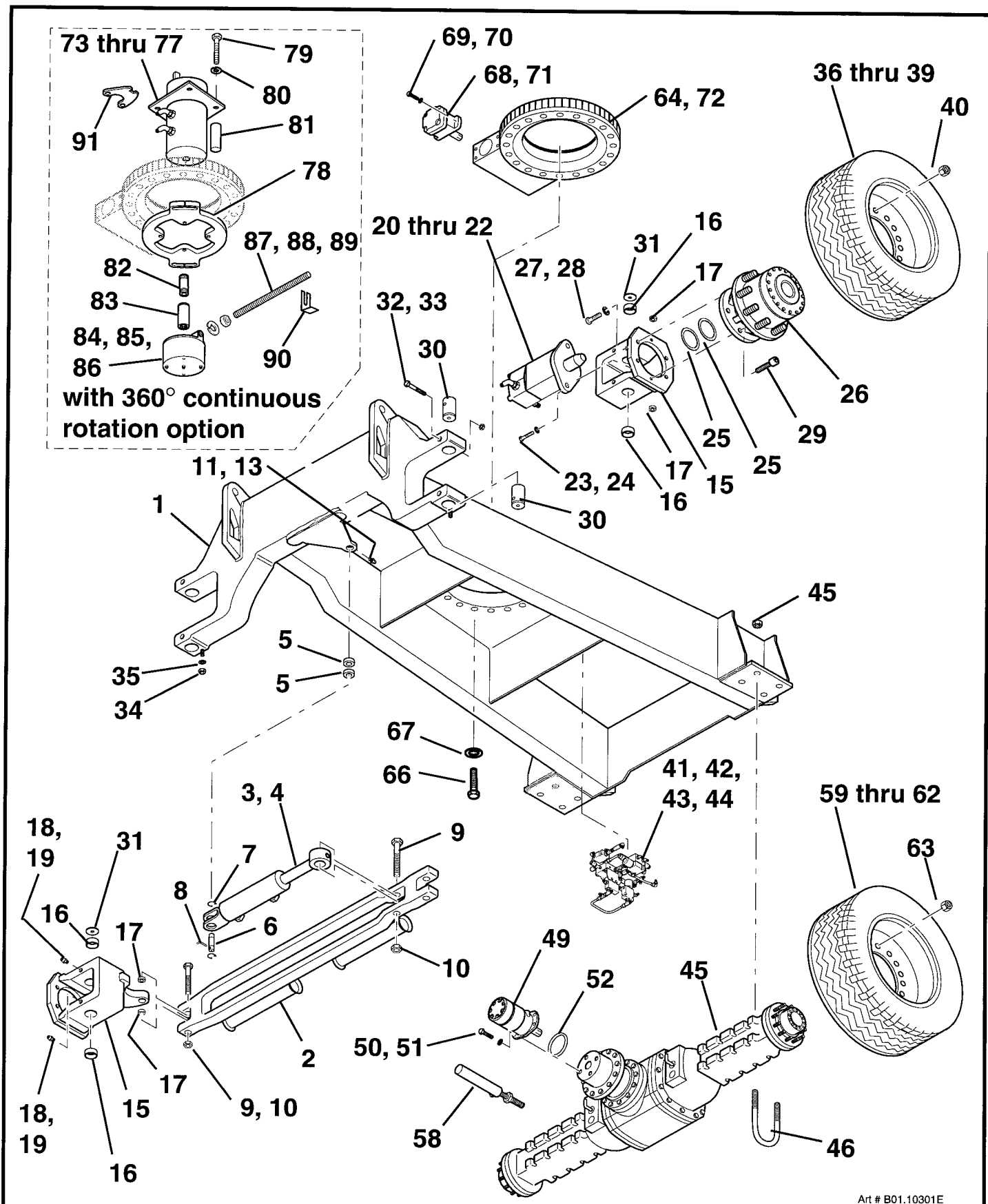
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
58	04-037700	C13.103	CYLINDER, AXLE DISCONNECT	1
59	353 3050		WHEEL AND TIRE ASSEMBLY (for drive axle) Liquid ballasted	2
	353 3060		Foam filled	2
60	02-040300		WHEEL (Drive axle) (16-1/2" x 9-3/4")	1
61	02-041600		TIRE (390/ 70-16.5", 12 Ply "Gumbo Monster Mudder". 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	07-004135		CAP SCREW, HEX HEAD for units without 360° continuous rotation option: 5/8"-11 x 3-1/2", Grade 8	20
	07-004138		for units with 360° continuous rotation feature or option: 5/8"-11 x 4-1/2", Grade 8	18
	07-004139		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)	1
74	06-041100		ADAPTER, "O"-RING TO 37° Earlier versions (12-16 F5OX-S)	2
	06-041400		Later versions (16 F5OX-S)	
75	06-045600		90° ELBOW, "O"-RING TO 37° 12-16 C5OX-S (Earlier versions)	2
	06-045800		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 ADAPTER Early version (19" [.48 M] outside diameter)	1
	233 0110		Later version (14" [.36 M] outside diameter, with (2) ears)	
79	07-003086		CAP SCREW, HEX HEAD 1/2"-13 x 1-1/4", Grade 5 (for use with Plate 230 7500)	4
	07-003098		1/2"-13 x 4-1/2", Grade 5 (for use with Plate 233 0110)	
80	07-065018		WASHER, HELICAL LOCK (1/2")	4
81	233 0100		SPACER, TUBE (used with Plate 233 0110)	4
82	11-020010		NIPPLE, PIPE (3/4" NPT x 2")	1
83	206 7559		ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL	1

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

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

REV. 30 JAN., 1996

PART NO.



Art # B01.10301E

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

SIMON AERIALS INC.

REV. 30 JAN., 1996

PART
NO.

PLATE
NO. **B01.103**

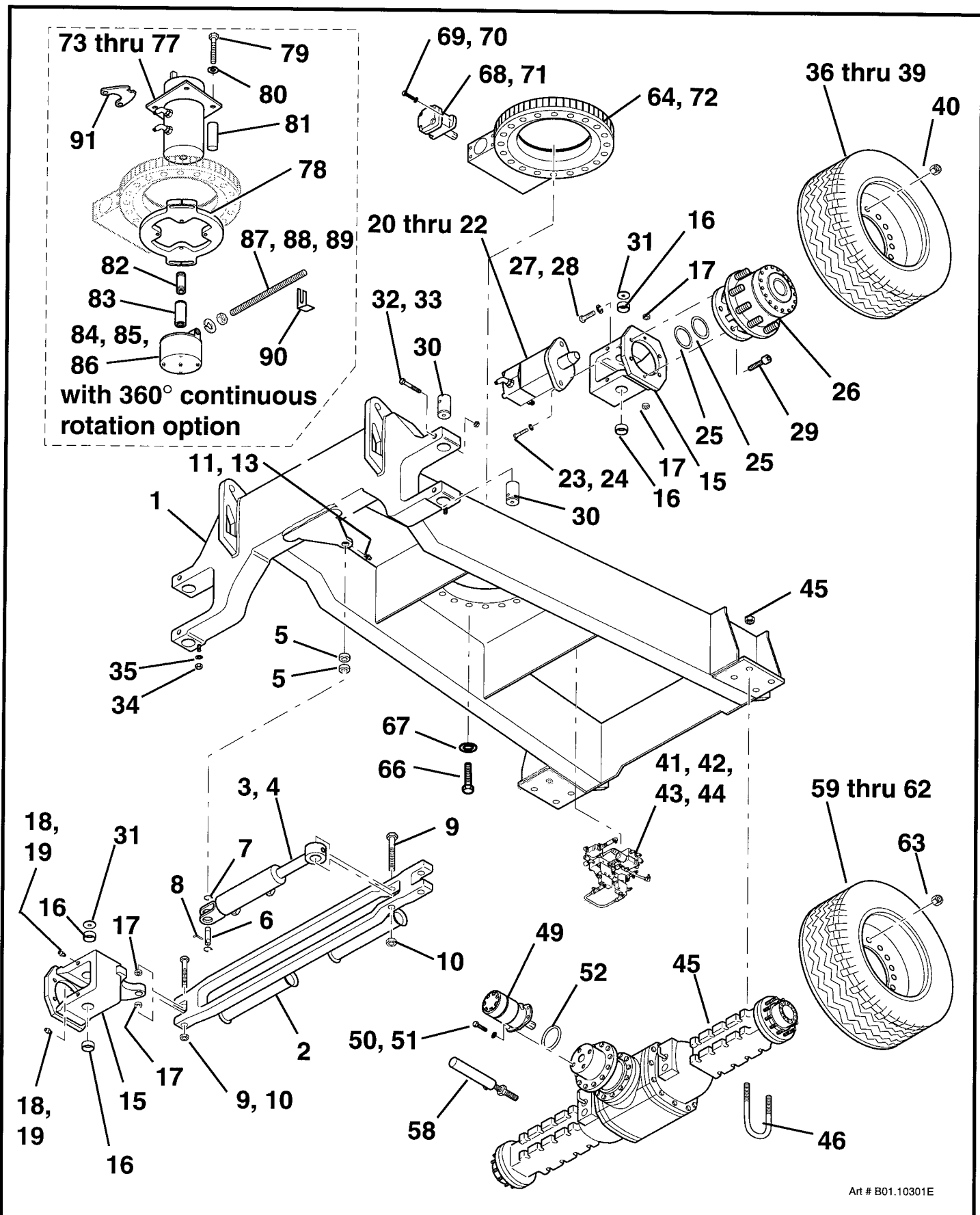
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TITLE UNDERCARRIAGE ASSEMBLY; RP 46, T 50, T 60 (PLATE 4 OF 4)

PLATE NO. B01.103	SIMON AERIALS INC.
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REV. 30 JAN.. 1996

PART
NO.



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

SIMON AERIALS INC.

REV. 30 JAN., 1996

PART
NO.

PLATE
NO. B01.103

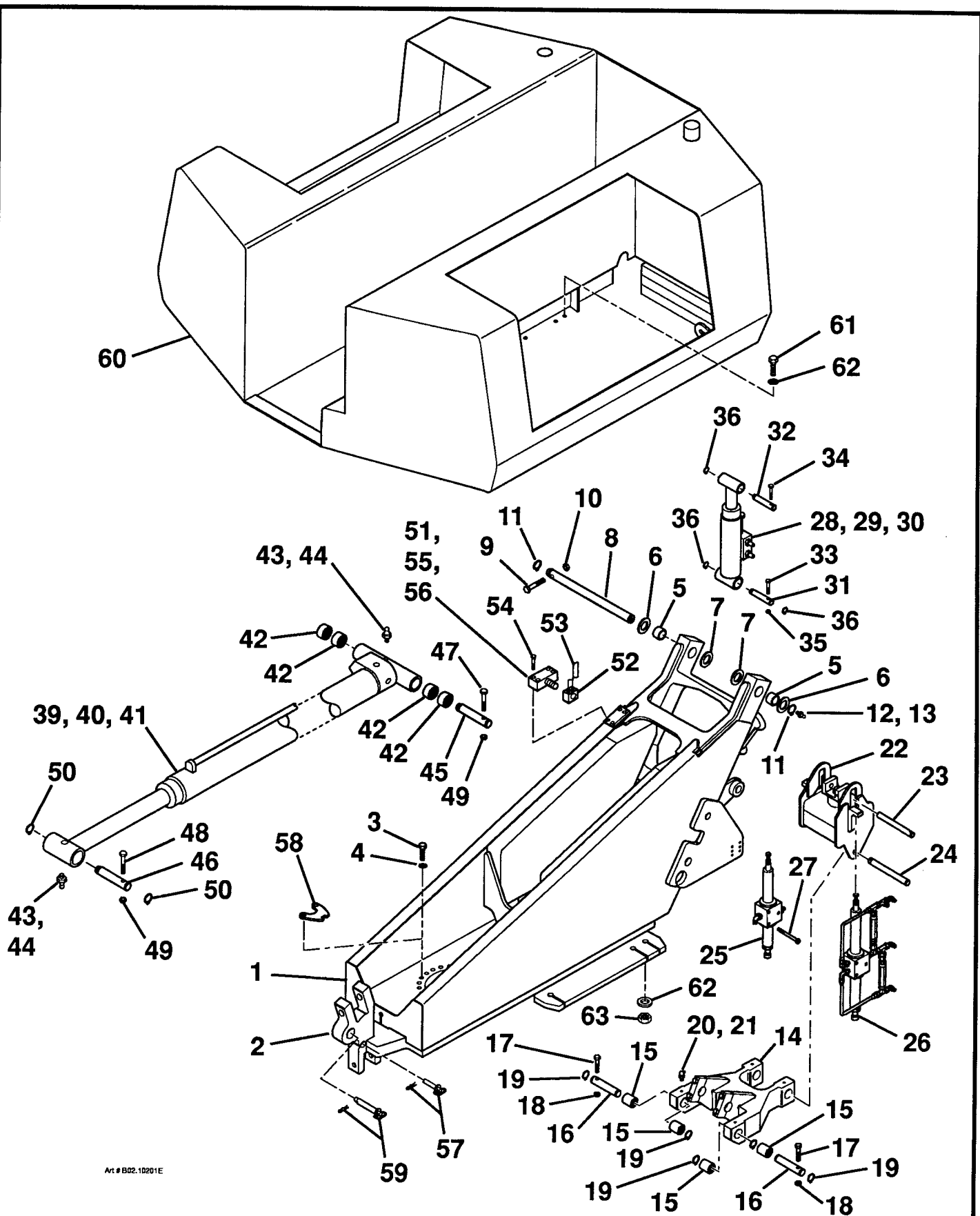
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			SUPERSTRUCTURE ASSEMBLY	
	3531550		with standard Ford LSG 423 liquid cooled gas engine	1
	3533070		with optional Wisconsin V-465 air cooled gas engine	1
	3533090		with optional Deutz F4L 1011 air cooled Diesel engine	1
	3533080		with optional Hatz "Silent Pack" air cooled Diesel engine	1
	No Part #		with optional Isuzu C-240 liquid cooled Diesel engine	1
	No Part #		with optional Perkins 104.22 liquid cooled Diesel engine	1
1	2302870		PYLON WELDMENT, SUPERSTRUCTURE	1
2	2317320		BRACKET, BOOM AND SWING LOCK (welded to pylon)	1
	2313050		BRACKET, BOOM LOCK (welded to pylon, early 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	2302500		PIN, BOOM PIVOT (2" x 19-3/8") (except Canada)	1
	2313670		PIN, BOOM PIVOT (2" x 19-3/8") (CSA standards)	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	2315610		ARM, MAXI-REACH	1
15	08-071400		BEARING, NEEDLE (1-1/2" I.D.)	4
16			PIN, MAXI-REACH ARM (1-1/2" x 5-5/8")	
	2303450		except Canada	2
	2313680		CSA standards	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

TITLE	SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 1 OF 8)
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PLATE NO.	B02.102	SIMON AERIALS INC.	NEW 28 OCT. 1993
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PART
NO.



Art # B02.10201E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 1 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

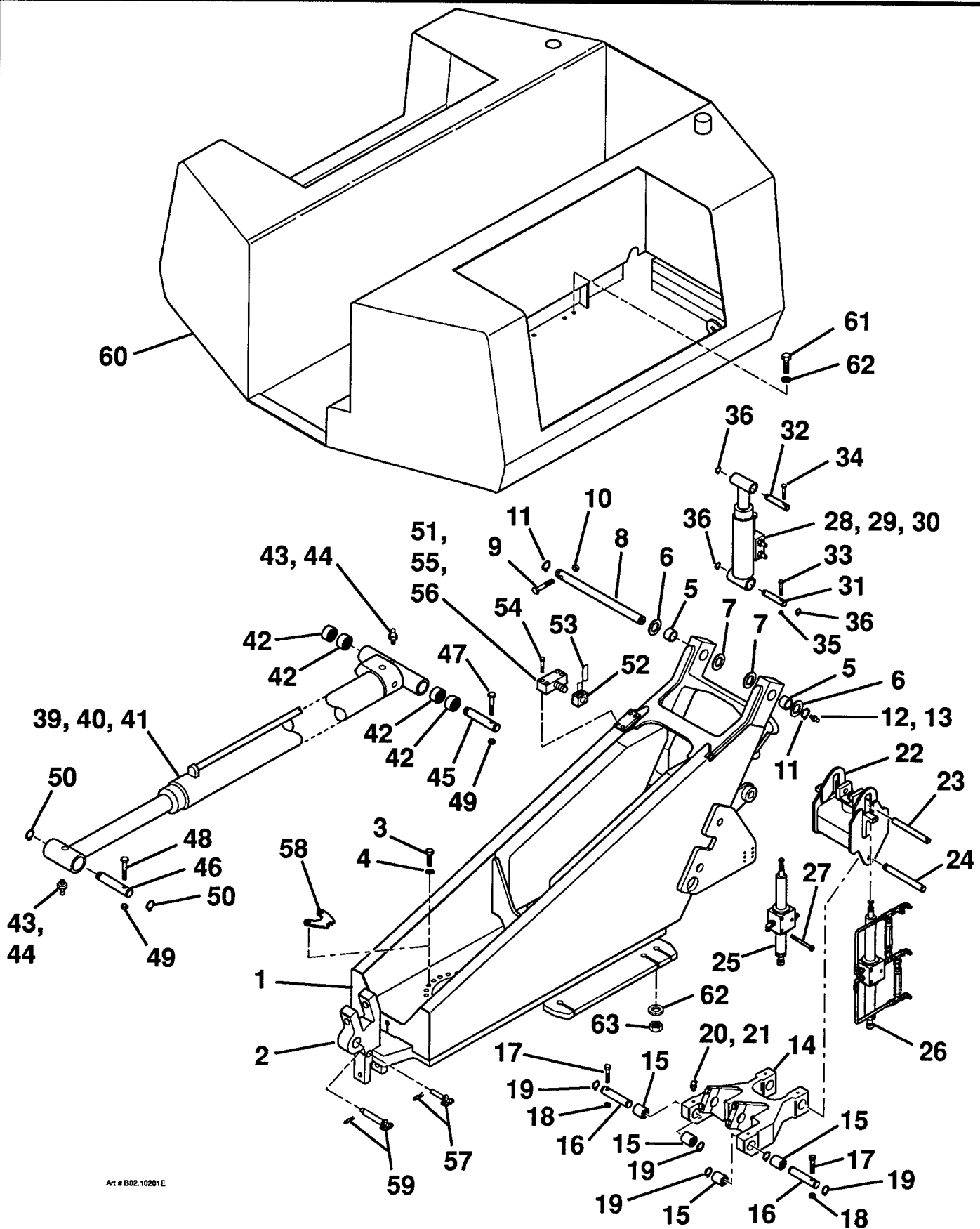
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	3534720	B02.149	SPRING PACK ASSEMBLY, MAXI-REACH	1
23	2303180		PIN, MAXI-REACH (Upper) (1-1/4" x 11-1/4")	1
24	2303440		PIN, MAXI-REACH (Lower) (1-1/4" x 12-3/4")	1
25	2321270	C12.104	VALVE, BOOM TELESCOPE (Modified)	1
26	2321260	C12.105	VALVE, BOOM LIFT (Modified)	1
27	07-008027		CAP SCREW, SOCKET HEAD (5/16"-18 x 1-1/2", Grade 8)	6
28	04-032600	D10.101	CYLINDER, MASTER LEVEL	1
29	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
30	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
31			PIN, MASTER CYLINDER (1-1/4" x 13-15/16") (Base end)	
	2192550		except Canada	1
	2313600		CSA standards	1
32			PIN, MASTER CYLINDER (1-1/4" x 5-9/16") (Rod end)	
	2190580		except Canada	1
	2313610		CSA standards	1
33	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
34	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
35	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
36	08-040700		RING, RETAINING (1-1/4")	4
37	08-051300		FITTING, GREASE (1/8", 90°)	3
38	08-066300		CAP, GREASE FITTING (White plastic)	3
39	See Plate	D09.102	CYLINDER, BOOM LIFT	1
40	2312500		SPACER, LIFT CYLINDER	1
41	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
42	08-071300		BEARING, NEEDLE (1-3/4" I.D.)	4
43	08-050000		FITTING, GREASE (1/8", straight)	2
44	08-066300		CAP, GREASE FITTING (White plastic)	2
45			PIN, LIFT CYLINDER (1-3/4" x 7-5/8") (Base end)	1
	2303460		except Canada	1
	2313640		CSA standards	1
46			PIN, LIFT CYLINDER (1-3/4" x 11") (Rod end)	1
	2302470		except Canada	1
	2313650		CSA standards	1
47	07-003061		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	1
48	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5)	1
49	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
50	08-041100		RING, RETAINING (1-3/4", external)	2

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 2 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

NEW 28 OCT., 1993

PART NO.



Art # B02.10201E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 2 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

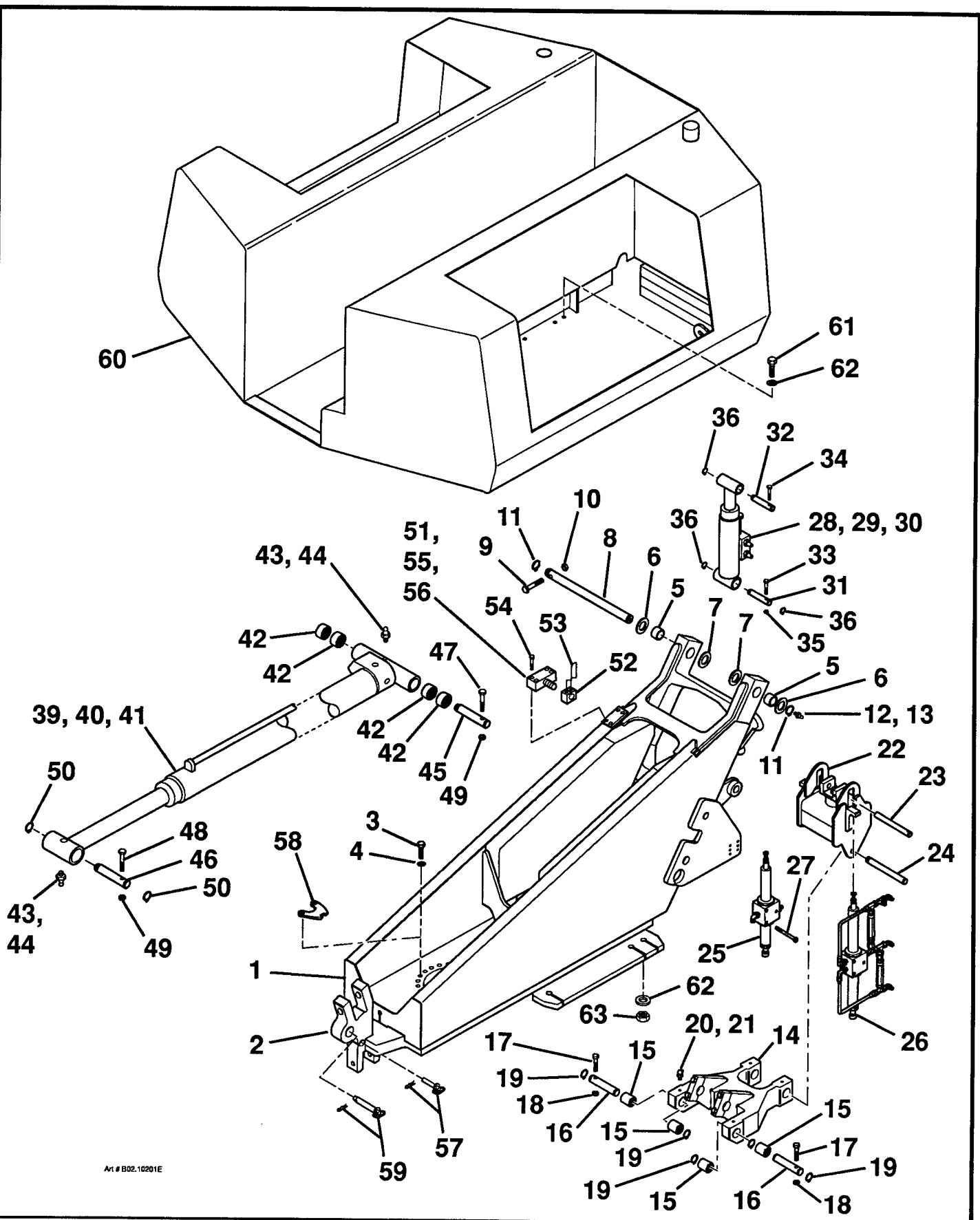
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TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 3 OF 8)

PLATE NO.	B02.102	SIMON AERIALS INC.
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NEW 28 OCT., 1993

PART
NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 3 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
64	2318710		COVER, BULKHEAD (with Wisconsin engine)	1
	2301850		COVER, BULKHEAD (with Deutz engine)	1
65	2302820		AIR DUCT, ENGINE (with Hatz engine)	1
66	2307750		STRIP, ENGINE BULKHEAD (Steel) (with Ford engine)	3
67	2307730		SEAL, ENGINE BULKHEAD (Side, with Ford engine) (Neoprene, 4" x 27" x 1/4")	2
	2307740		SEAL, ENGINE BULKHEAD (Top, with Ford engine) (Neoprene, 4" x 26" x 1/4")	1
	2318690		SEAL, ENGINE BULKHEAD (with Wisconsin engine)	1
68	07-044014		NUT, ACORN (1/4"-20, low crown, stainless steel)	8
69	07-062014		WASHER, FLAT (1/4")	8
70	See Index	C04. - -	ENGINE ASSEMBLY	1
71	03-010001		BATTERY (12 Volt DC, 95 Amp)	2
72	10-112900		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene)	2
73	03-064300		HOLD DOWN, BATTERY	2
74	2018274		ROD, THREADED (3/8"-16 x 8-1/2")	2
75	07-031005		STUD, "SPRINKLER" ZWELD (1-1/2" long, threaded 3/8"-16)	2
76	07-040016		NUT, HEX (3/8"-16, Grade 5)	2
77	07-062016		WASHER, FLAT (3/8")	2
78	07-090111		"J"-BOLT	2
79	07-090046		NUT, WING (1/4"-20)	2
80	07-062014		WASHER, FLAT (1/4")	2
81			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
82	03-070100		CABLE, BATTERY (Negative) [Black, 12" (30 cm) long]	1
83	01-014000	D11.03	FILTER, HYDRAULIC (Pressure line)	1
84	01-014005		ELEMENT, FILTER (3 micron, paper)	1
85	06-092500		REDUCER/ EXPANDER (24-12 F50 G5-S)	2
86	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	1
87	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	1
88	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
89	07-062016		WASHER, FLAT (3/8")	4
90	10-002600		WASHER, FENDER (1/2" I.D., 2" O.D.)	4
91	10-086500		WASHER, RUBBER (1/2" I.D., 2" O.D.)	4

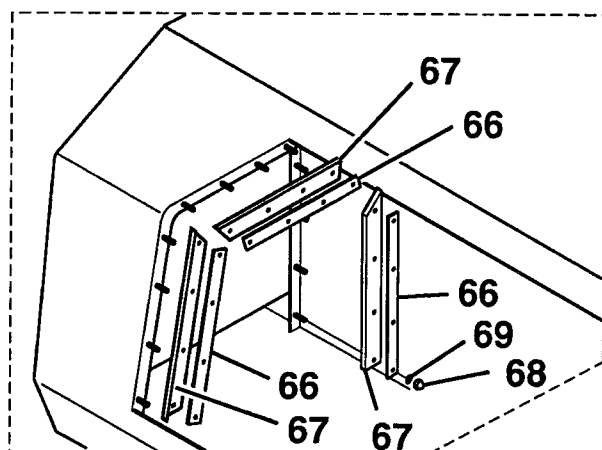
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 4 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

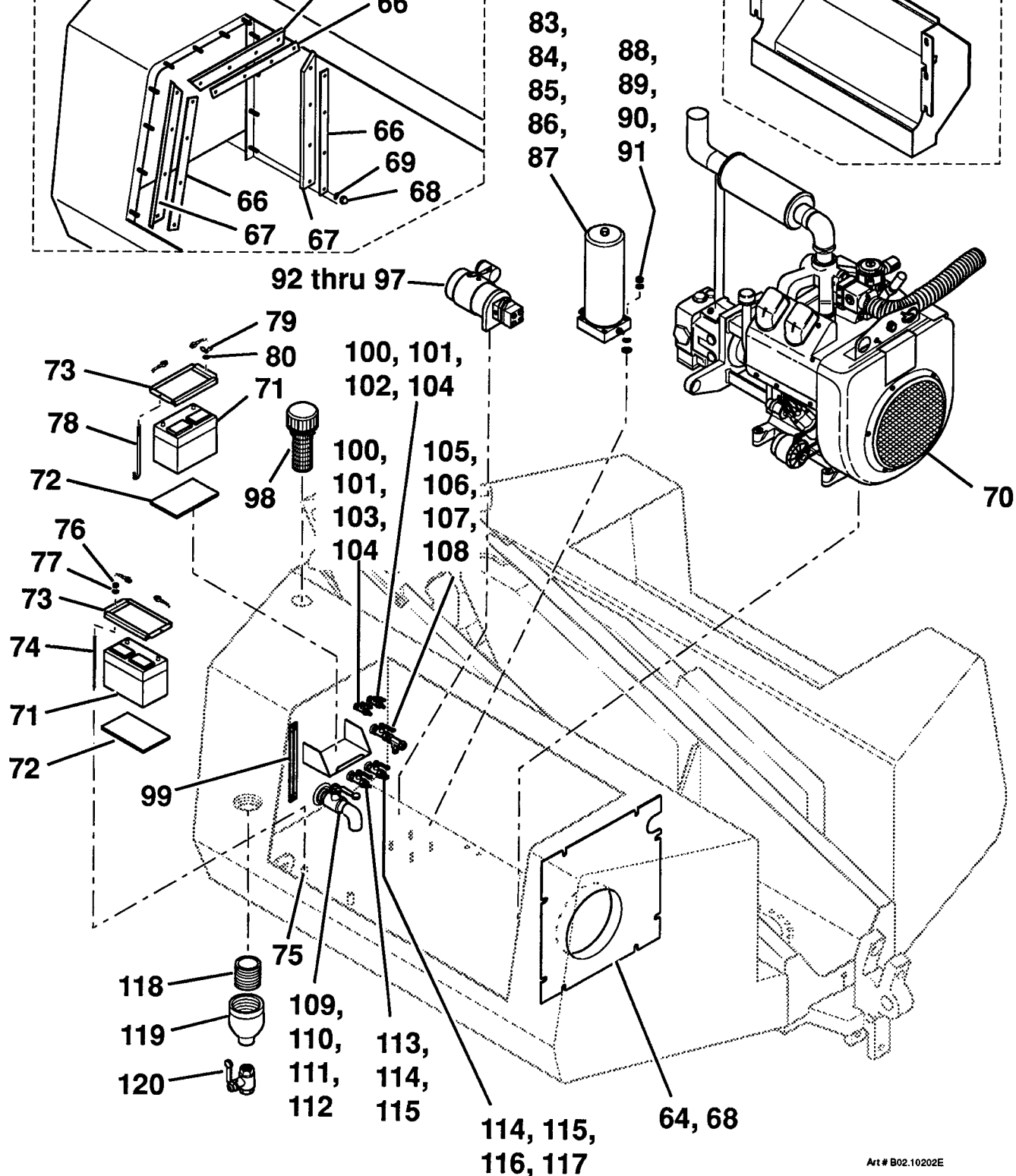
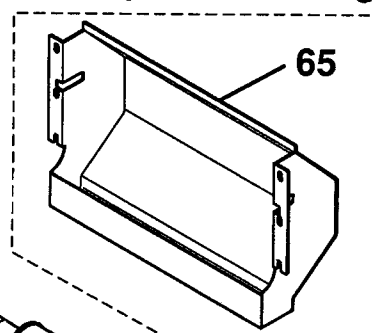
NEW 28 OCT., 1993

PART NO.

Bulkhead Seals (with Ford Engine)



Air Duct (with Hatz Engine)



Art # B02.10202E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 4 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	01-224900	D07.101	PUMP, EMERGENCY HYDRAULIC (Heavy duty, 12 Volt DC electric motor)	1
93	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
94	06-045100		90° ELBOW, STRAIGHT THREAD (10-8 C50X-S)	1
95	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
96	07-062016		WASHER, FLAT (3/8")	2
97	07-065016		WASHER, HELICAL LOCK (3/8")	2
98	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1
99	10-033800	D12.05	GAUGE, SIGHT [14" (35.6 cm) long]	1
100	06-076900		LONG REDUCER/ EXPANDER, PIPE THREAD (4 FF-S)	2
101	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT) (earlier versions)	2
	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT) (later versions)	1
	01-020800		VALVE, CHECK (later versions)	1
	06-000700		CONNECTOR, MALE (6 FTX-S) (later versions)	1
	06-079000		ADAPTER, SWIVEL NUT (6 F65X-S) (later versions)	1
102	06-000700		CONNECTOR, MALE (6 FTX-S) (with Deutz engine)	1
103	06-003800		90° ELBOW, MALE (6 CTX-S) (with Deutz engine)	1
104	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (earlier)	2
	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (later)	1
	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S) (later versions)	1
105	11-020014		CLOSE NIPPLE (1" NPT)	1
106	01-068500		VALVE, BALL (Shutoff valve, 1" NPT)	1
107	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
108	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1
109	11-071500		REDUCER, BELL (1-3/4" NPT to 1-1/2" NPT)	1
110	01-063000		VALVE, BALL (Shutoff valve, 1-1/2" NPT)	1
111	11-050023		90° STREET ELBOW (1-1/2") (two needed with Ford engine, one on all others)	A.R.
112	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D., 1-1/2" long)	1
113	11-020010		NIPPLE, STANDARD (3/4" NPT, 2" long)	1
114	01-020600		VALVE, BALL (Shutoff valve, 3/4" NPT)	2
115	06-004900		90° ELBOW, MALE (12 CTX-S)	2
116	11-062000		BUSHING, REDUCER (1-3/4" NPT)	1
117	11-020018		CLOSE NIPPLE (3/4" NPT, 1-3/8" long)	1
118	11-020017		CLOSE NIPPLE (2" NPT)	1
119	11-061900		REDUCER, BELL (2" NPT to 1/2" NPT)	1
120	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

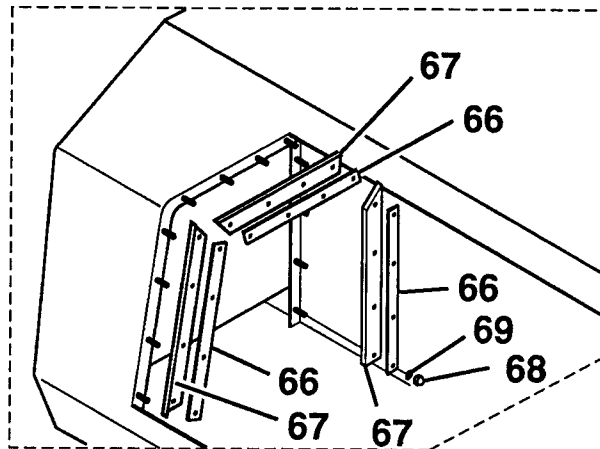
TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 5 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

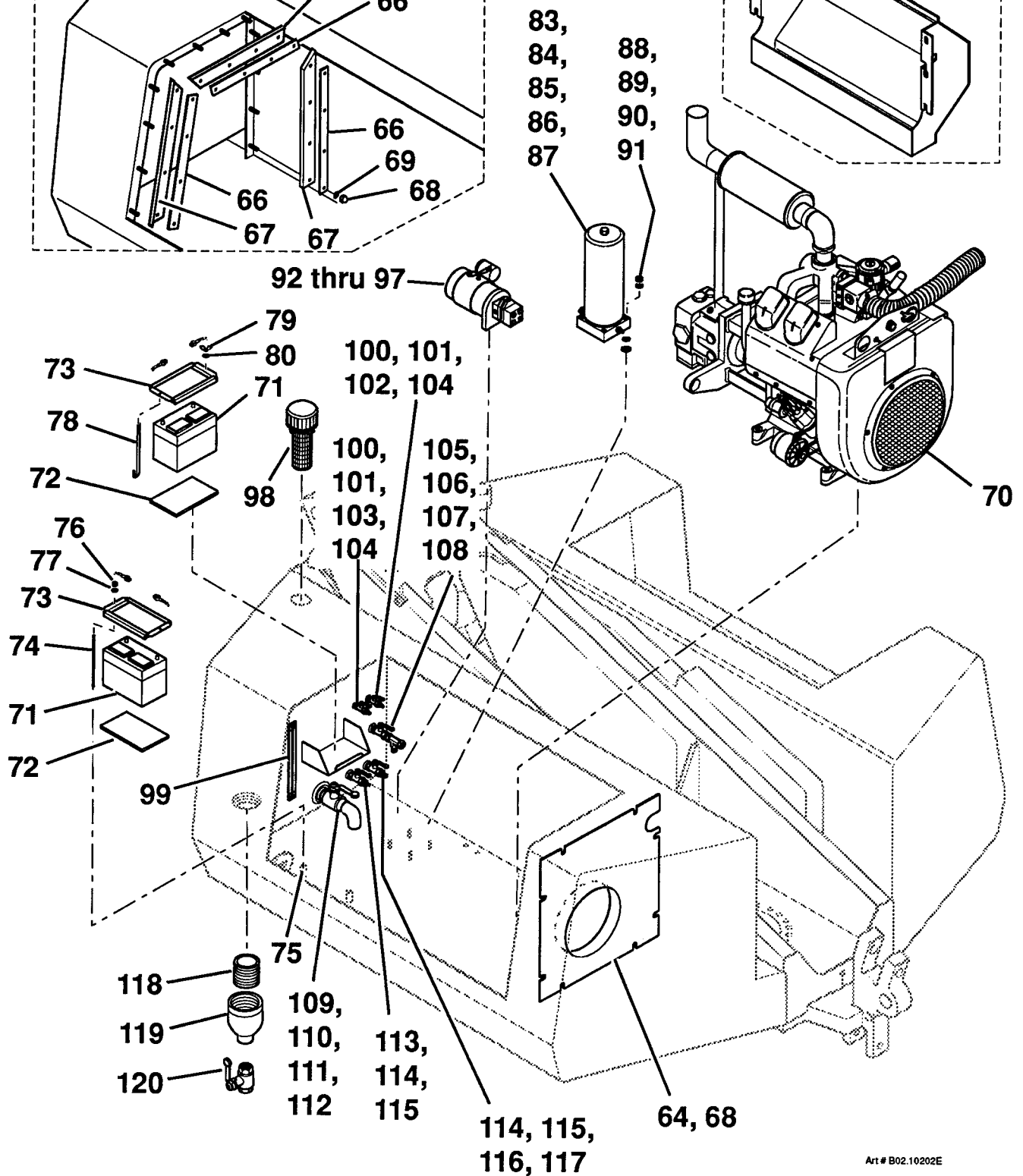
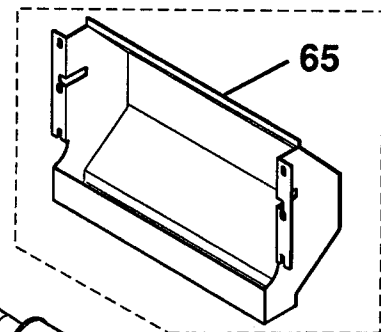
NEW 28 OCT., 1993

PART NO.

Bulkhead Seals (with Ford Engine)



Air Duct (with Hatz Engine)



Art # B02.10202E

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 5 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

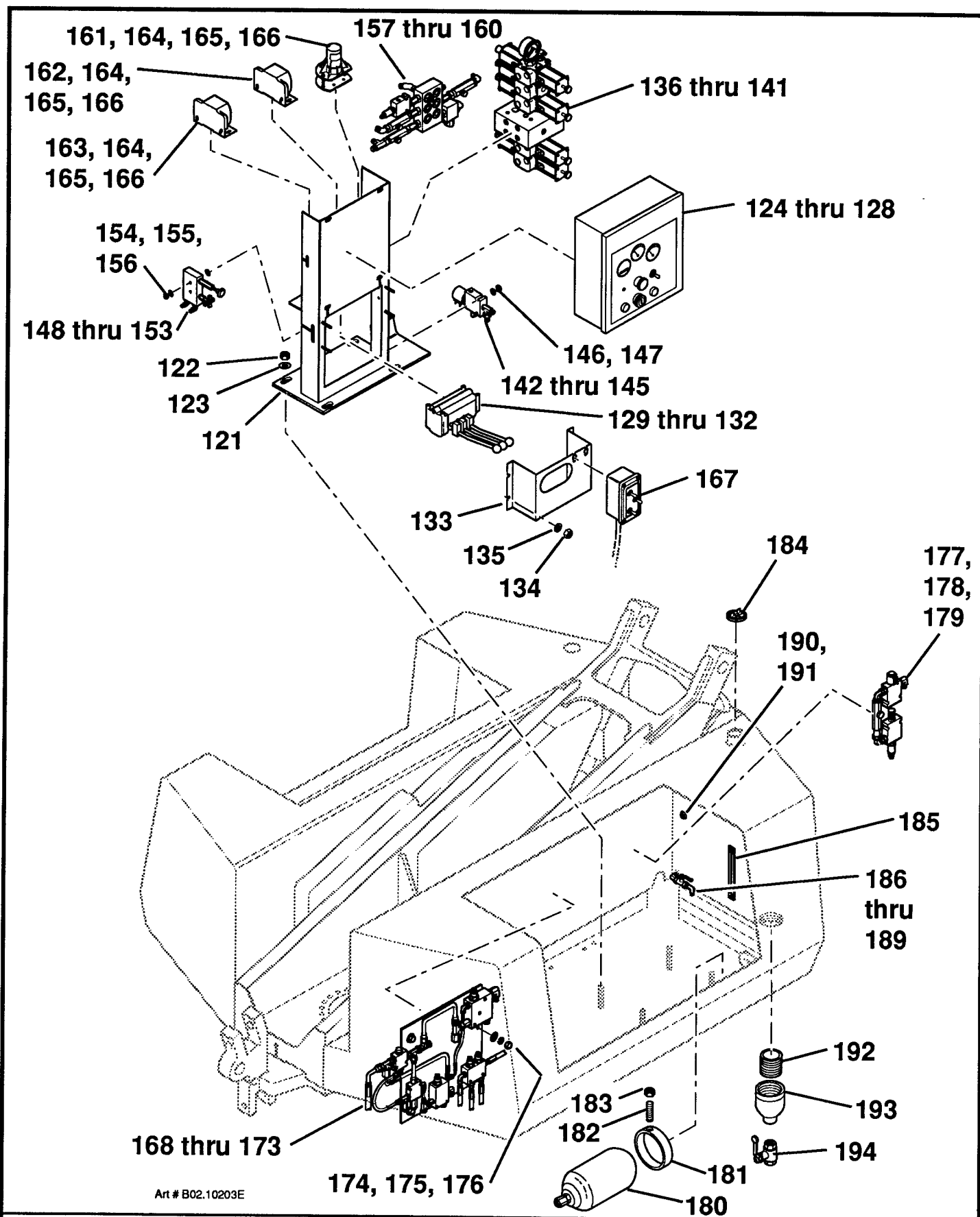
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
121	2308400		BRACKET, GROUND CONTROL	1
122	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	4
123	07-062016		WASHER, FLAT (3/8")	4
124	See Index	C03. - -	PANEL ASSEMBLY, GROUND ELECTRICAL	1
125	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
126	07-062015		WASHER, FLAT (5/16")	4
127	07-062014		WASHER, FLAT (1/4")	4
128	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
129	3530350	C02.102	GROUND VALVE ASSEMBLY	1
130	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4
131	07-062015		WASHER, FLAT (5/16")	4
132	07-065015		WASHER, HELICAL LOCK (5/16")	4
133	2199940		COVER, GROUND CONTROLS	1
134	07-062014		WASHER, FLAT (1/4")	4
135	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
136	3532740	C02.105	MANIFOLD ASSEMBLY	1
137	01-226000		FILTER ASSEMBLY, SCREW-ON	1
138	01-226001		ELEMENT, FILTER	1
139	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5)	4
140	07-058400		NUT, LOCK (1/2"-13)	4
141	07-062018		WASHER, FLAT (1/2")	4
142	01-093500		VALVE, SOLENOID (Dump valve)	1
143	01-093501		COIL, SOLENOID VALVE	1
144	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
145	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1
146	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
147	07-062014		WASHER, FLAT (1/4")	4
148	01-209800		MANIFOLD, BRAKE RELEASE	1
149			BODY, VALVE	1
150	01-209801		VALVE, NEEDLE	1
151			PUMP, HAND	1
152	01-209802		SEAL KIT, HAND PUMP	1
153	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
154	07-003030		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/4", Grade 5)	2
155	07-062015		WASHER, FLAT (5/16")	2
156	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
157	3533100	C02.106	SHUTTLE VALVE ASSEMBLY	1
158	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
159	07-062014		WASHER, FLAT (1/4")	4
160	07-050014		NUT, STOP (1/4"-20, Grade 5)	2

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 6 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

NEW 28 OCT., 1993

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 6 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

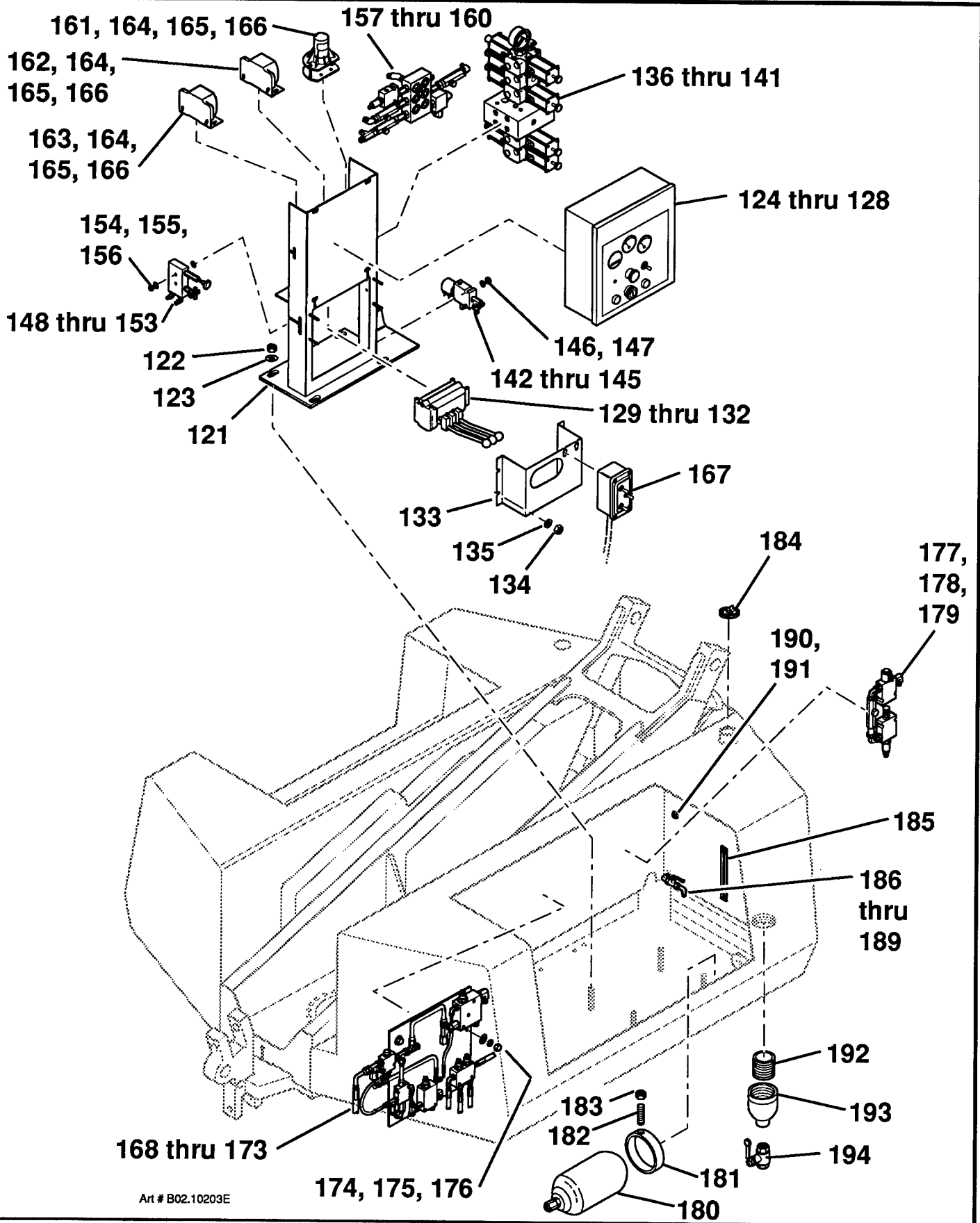
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
161	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
162	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1
163	03-472000		ALARM, MOVEMENT (97 dba, 12 Volt DC)	1
164	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	6
165	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	6
166	07-062014		WASHER, FLAT (1/4")	6
167	3529370	C06.06	PENDANT, REMOTE CONTROL	1
168	See plate . .	C12.106	VALVE SUBASSEMBLY	1
169	01-222800		CARTRIDGE, SEQUENCE VALVE	1
170	01-219400		VALVE, DIRECTIONAL	1
171	01-215800		VALVE, DIRECTIONAL	1
172	01-222600		CARTRIDGE, SEQUENCE VALVE	1
173	01-219100		VALVE, DUAL COUNTERBALANCE	1
174	07-040018		NUT, HEX (1/2"-13, Grade 5)	3
175	07-065018		WASHER, HELICAL LOCK (1/2")	3
176	07-062018		WASHER, FLAT (1/2")	3
177	01-097600		VALVE, THREE WAY	1
178	01-012300		VALVE, FLOW CONTROL (.75 to 5.0 GPM, 1/4" NPT)	1
179	01-227000		VALVE, FLOW REGULATOR	2
180	01-225600		ACCUMULATOR [Bladder type, 1 Qt. (.946 L) capacity, 500 to 3000 PSI (34.5 to 207 Bar)]	1
181	2313810		COLLAR, ACCUMULATOR MOUNTING	1
182	07-023047		SET SCREW, SOCKET HEAD (3/8"-16 x 3/4")	1
183	07-040016		NUT, HEX (3/8"-16)	1
184	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
185	10-033800	D12.05	GAUGE, SIGHT [14" (35.6 cm) long]	1
186	06-082500		90° ELBOW, MALE PIPE THREAD (4 CR-S)	1
187	01-032800		VALVE, BALL (Shutoff valve, 1/4" NPT)	1
188	06-080200		90° STREET ELBOW (4 CD-S)	1
189	11-050403		FITTING, HOSE (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
190	11-075400		PLUG, SQUARE HEAD (1/4" NPT) (except Diesel engine)	1
	06-080200		90° STREET ELBOW (4 CD-S) (with Diesel engine)	1
191	11-050401		FITTING, HOSE (with Diesel engine) (Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
192	11-020017		CLOSE NIPPLE (2" NPT)	1
193	11-061900		REDUCER, BELL (2" NPT to 1/2" NPT)	1
194	01-015800		DRAIN COCK (Brass, 1/2" NPT)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 7 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

NEW 28 OCT., 1993

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 7 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

PARTS LIST

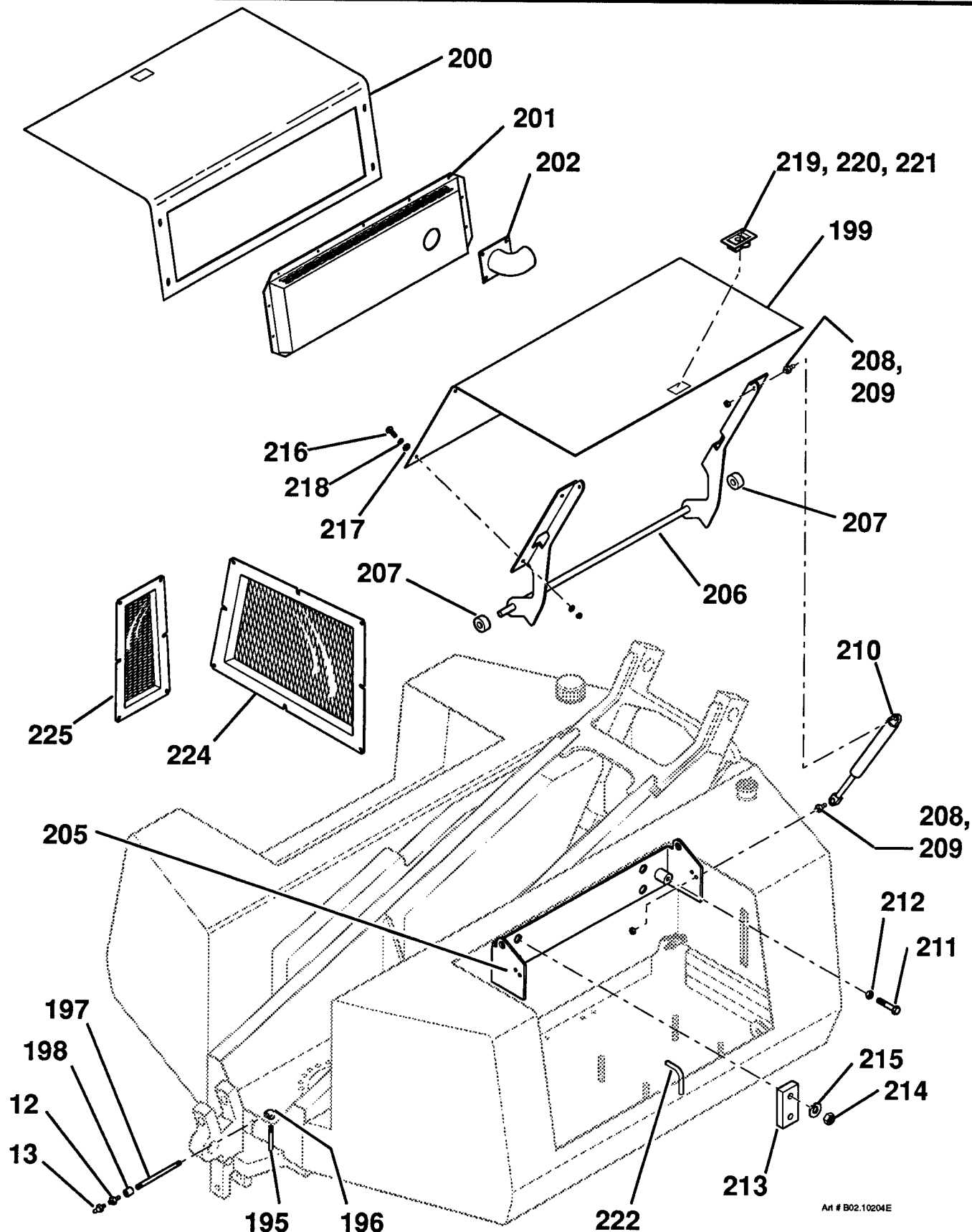
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
195	11-085700		NIPPLE, PIPE [1/8" NPT x 5-1/2" (141 mm) long]	1
195	06-084600		ELBOW, FEMALE PIPE THREAD (2 DD)	1
196	11-085600		NIPPLE, PIPE [1/8" NPT x 10-1/2" (270 mm) long]	1
197	11-040023		COUPLING, PIPE (1/8" NPT, long)	1
198	2303210		DOOR (right, control side)	1
199	2303220		DOOR (left, engine side)	1
200			PAGODA, ENGINE DOOR	
	2313310		with Ford engine	1
	2319690		with Wisconsin engine	1
	2318910		with Deutz engine	1
			with Hatz engine (modified 2198720)	1
	2320750		with Isuzu engine	1
	No Part #		with Perkins engine	1
201	2199920		OUTLET, ENGINE EXHAUST	1
202	07-029365		SCREW, TEK (#12-14 x 1" self tap, bonded sealing head)	18
203	2196030		HINGE ASSEMBLY, DOOR	2
204	2198470		BRACKET, HINGE	1
205	2198500		BRACKET, DOOR	1
206	08-069900		COLLAR, "CLAMP-TITE" (3/4" I.D., one piece, steel)	2
207	10-138400		STUD, BALL (.39" dia.)	4
208	07-050015		NUT, LOCK (5/16"-18, Grade 5)	4
209	10-138300		SPRING, GAS (Gas cylinder) [250 Lb (113 Kg) force, 20.2" (51.2 cm) extended, 12.4" (31.5 cm) retracted]	2
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	2195600		PLATE, DOOR MOUNT	4
213	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
214	07-065018		WASHER, HELICAL LOCK (1/2")	8
215	07-017022		CAP SCREW, BUTTON HEAD (5/16"-18 x 5/8", Grade 5)	8
216	07-062015		WASHER, FLAT (5/16")	8
217	07-065015		WASHER, HELICAL LOCK (5/16")	8
218	2301540		LATCH, DOOR	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	2303780		BRACKET, LATCH	2
222	11-085800		STRIP, DOOR GASKET (Bulk item, order as needed)	
			[30 Ft (9.1 M) needed this application]	A.R.
223	2316540		HEAT SHIELD (Hydraulic tank, front) (option)	1
224	2316610		HEAT SHIELD (Hydraulic tank, side) (option)	1

TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 8 OF 8)

PLATE NO. B02.102 **SIMON AERIALS INC.**

NEW 28 OCT., 1993

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, TRAILBLAZER 60 (PLATE 8 OF 8)

SIMON AERIALS INC.

NEW 28 OCT., 1993

PART
NO.

PLATE
NO. B02.102

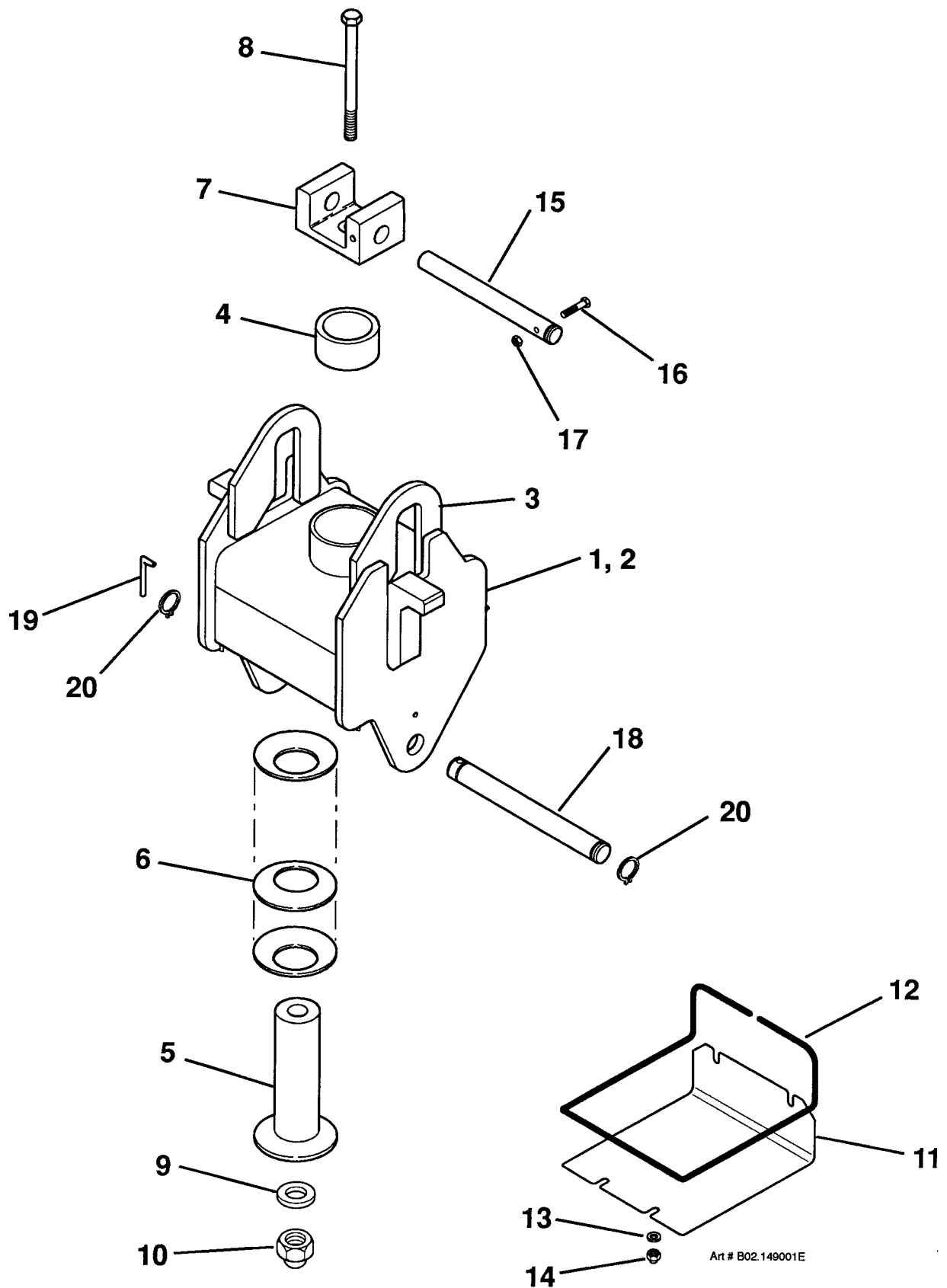
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TITLE	MAXI-REACH SPRING PACK ASSEMBLY, TRAILBLAZER 60
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PLATE NO.	B02.149	SIMON AERIALS INC.
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NEW 13 SEP., 1993

PART NO. 3534720



Art # B02.149001E

TITLE

MAXI-REACH SPRING PACK ASSEMBLY, TRAILBLAZER 60

SIMON AERIALS INC.

NEW 13 SEP., 1993

PART
NO.

3534720

PLATE
NO.

B02.149

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
	231 8460		with brackets for Hose Track (Catrac) Cover	
2	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.

PARTS LIST

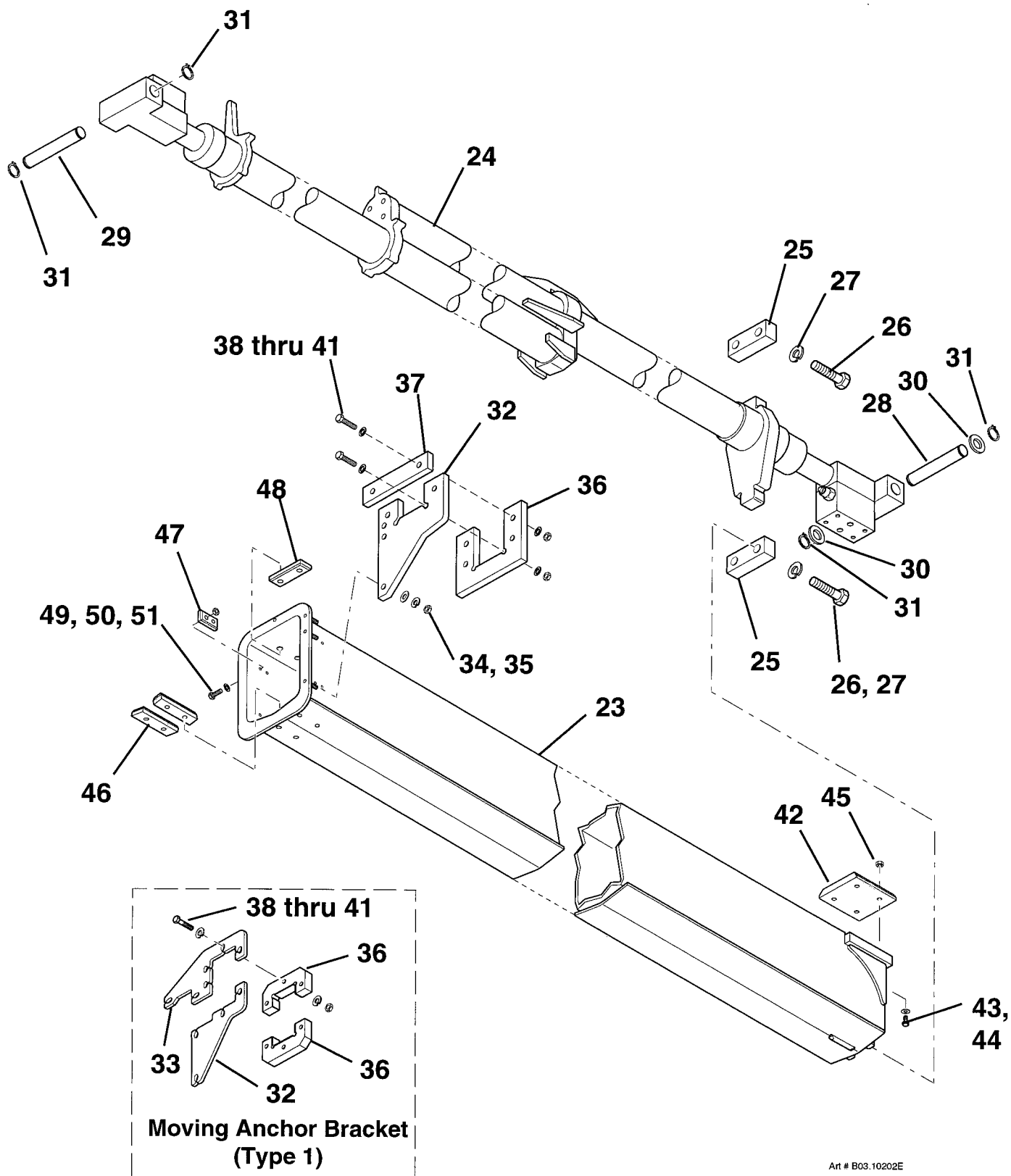
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	230 1870	D19.102	MID BOOM WELDMENT	1
24	See Plate . .		CYLINDER, DOUBLE TELESCOPE	1
25	230 1820		CLAMP, TELESCOPE CYLINDER	2
26	07-003131		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 5)	4
27	07-065021		WASHER, HELICAL LOCK (5/8")	4
28	231 3560		PIN, TELESCOPE 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

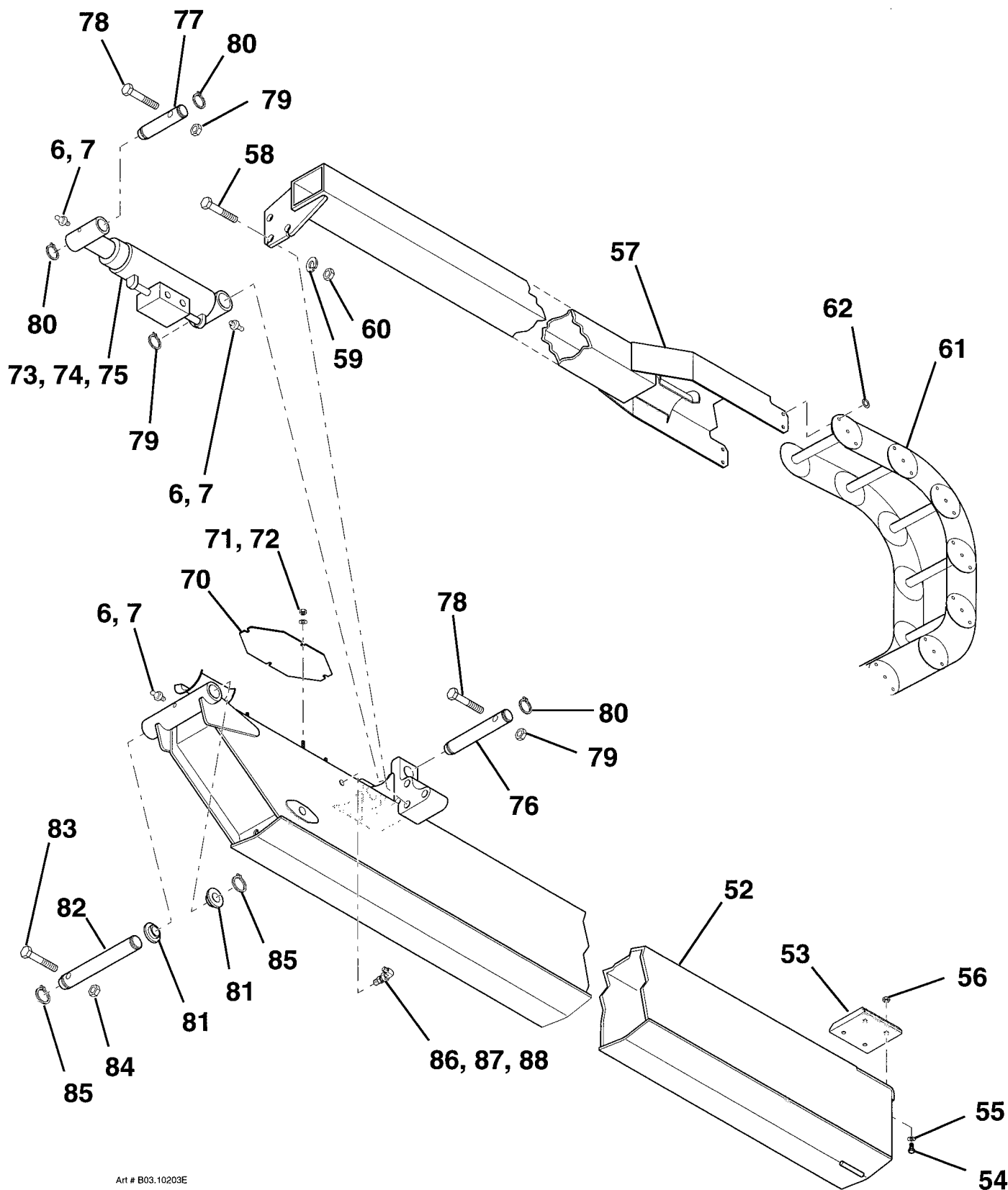
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
52	230 1720		TIP BOOM WELDMENT	1
53	218 9930		PAD, WEAR (6" x 7-5/8") (Tip boom, top, front)	1
54	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)	4
55	07-065018		WASHER, HELICAL LOCK (1/2")	4
56	07-047018		NUT, JAM (1/2"-13, Grade 5)	4
57	219 5380		ANCHOR 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 S5OX-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.



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

SIMON AERIALS INC.

REV. 29 DEC., 1995

PART
NO.

PLATE
NO. B03.102

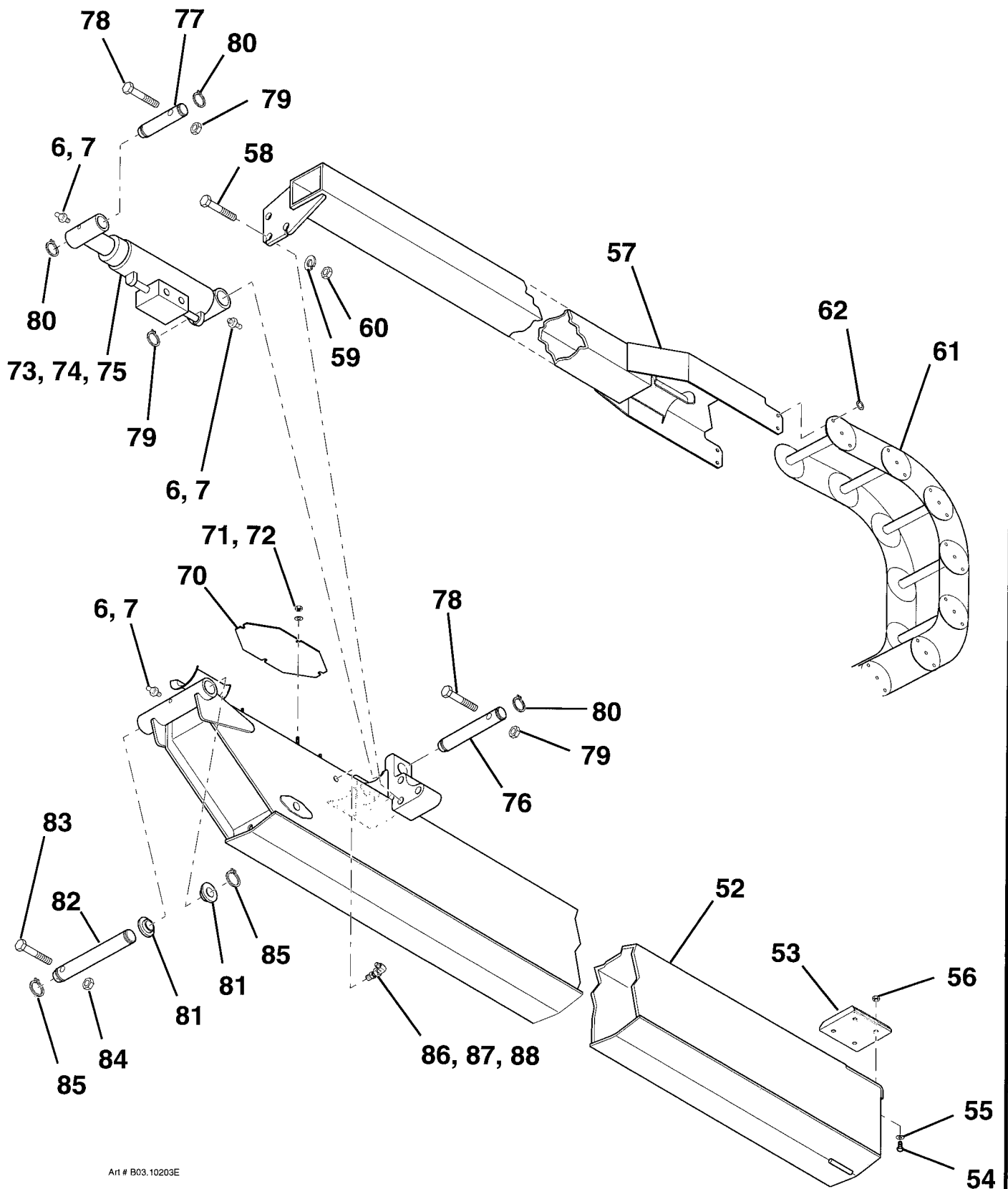
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TITLE BOOM ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 4 OF 4)

PLATE NO.	B03.102	SIMON AERIALS INC.
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REV. 29 DEC., 1995

PART
NO.



Art # B03.10203E

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

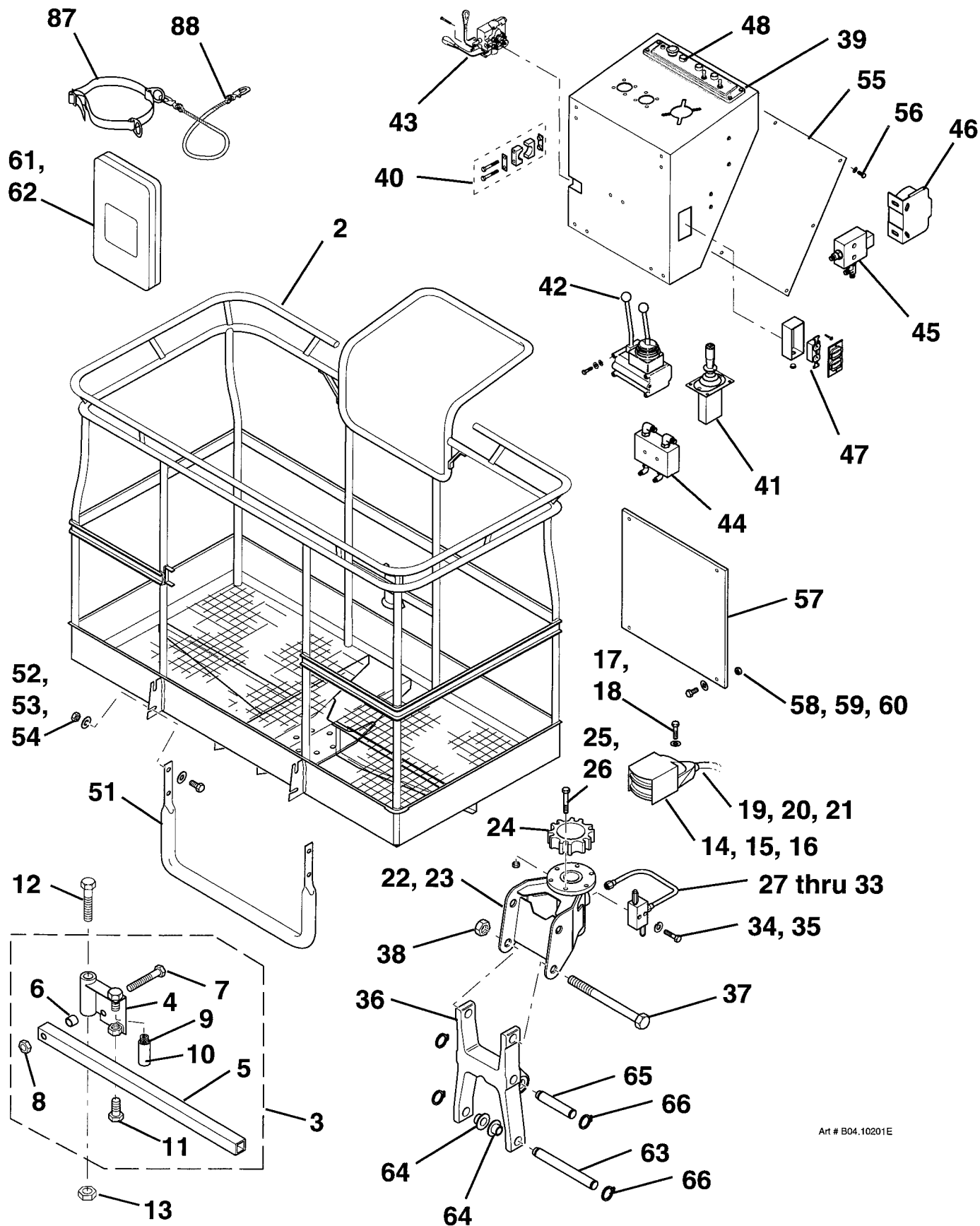
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 1570 -----		PLATFORM GROUP (30" x 60" [.76 M x 1.52 M]) PLATFORM GROUP (36" x 96" [.91 M x 2.44 M])	
1	353 3930 -----		PLATFORM ASSEMBLY (Trailblazer 50 or 60) Standard (30" x 60" [.76 M x 1.52 M]) Optional (36" x 96" [.91 M x 2.44 M])	1
2	219 5480 232 4340		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.**

REV. 13 JAN., 1996

PART NO.



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

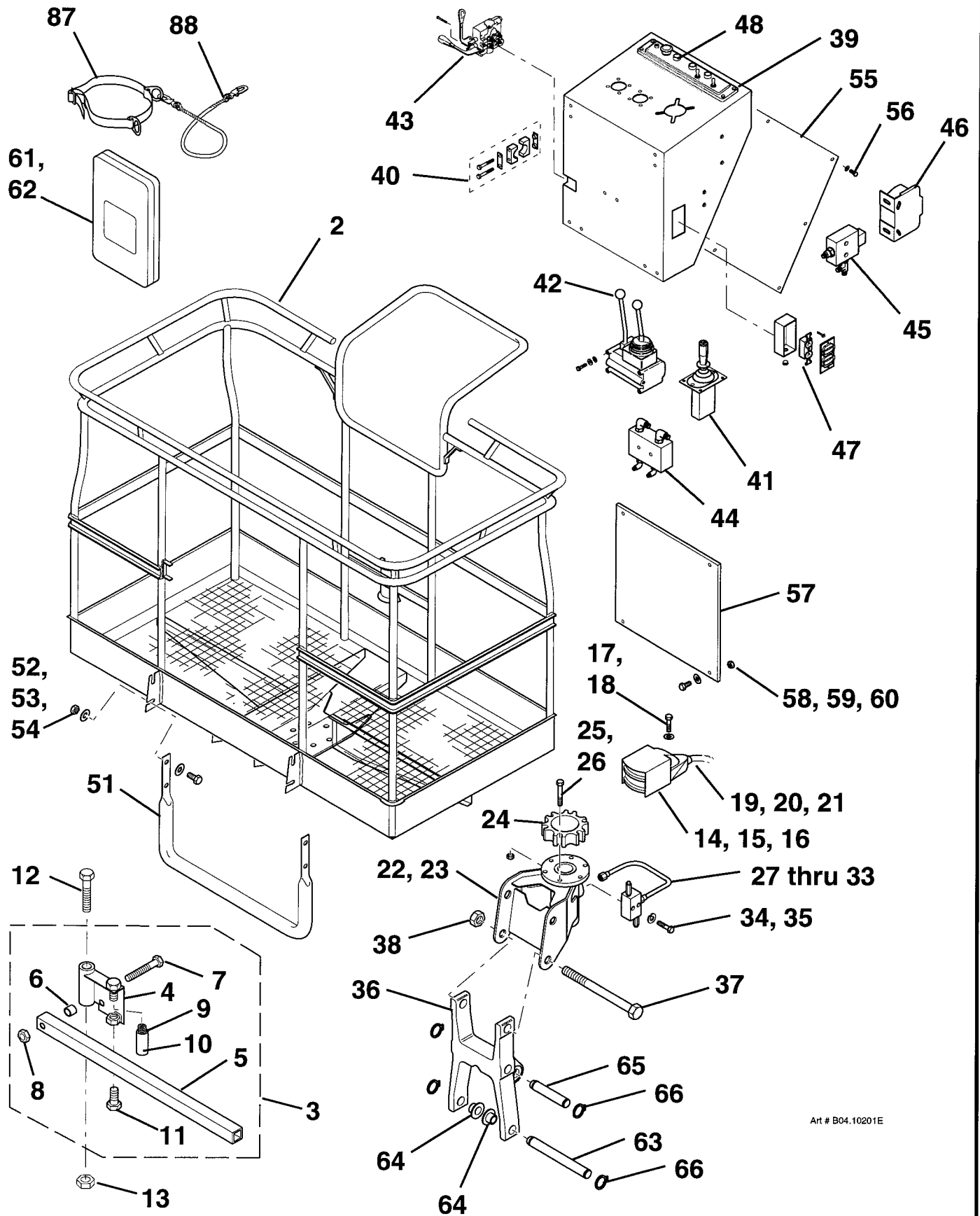
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	01-202000		PLATFORM ASSEMBLY (continued)	
28	06-039800		MANIFOLD, PLATFORM ROTATOR	1
29	06-039500		ADAPTER, "O"-RING TO 37° (6 F5OX-S)	2
30	06-047000		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1
31	06-060100		45° ELBOW, "O"-RING TO 37° (6 V5OX-S)	1
32	06-057500		REDUCER, TUBE END (6-4 TRTX-S)	1
33	350 7654		NUT, TUBE (6 BTX-S)	1
34	07-003053		TUBE ASSEMBLY (Flow divider, 4WD)	2
35	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
36	219 2520		WASHER, HELICAL LOCK (3/8")	2
37	07-094100		SUPPORT, PLATFORM	1
38	07-094200		CAP SCREW, HEX HEAD (1-1/4"-7 x 11", Grade 5)	2
39	353 3900	C08.102	NUT, LOCK (1-1/4"-7, Grade 5)	2
40	10-069600		PLATFORM CONSOLE ASSEMBLY	1
41	353 0760	D18.101	CLAMP, TUBE (1-1/4" O.D.)	4
42	219 9300	C02.101	VALVE, DRIVE CONTROL	1
43	230 0610	D14.101	VALVE BANK, PLATFORM CONTROL	1
44	01-001900		VALVE, PLATFORM LEVEL AND ROTATE	1
45	01-034400		VALVE, CHECK (Pilot operated)	1
46			VALVE, 2 WAY (includes non-removable coil)	1
	03-464600		ALARM, TILT SENSOR	1
	03-501800		12-24 Volt DC, 102 DB (earlier version)	
47	03-067000		DUAL TONE (later version)	
48	352 9460		OUTLET, DUPLEX (20 Amp, 110 Volt AC)	1
49	08-050000		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
50	08-066300		FITTING, GREASE (1/8" NPT)	1
			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.**

REV. 13 JAN., 1996

PART NO.



Art # B04.10201E

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

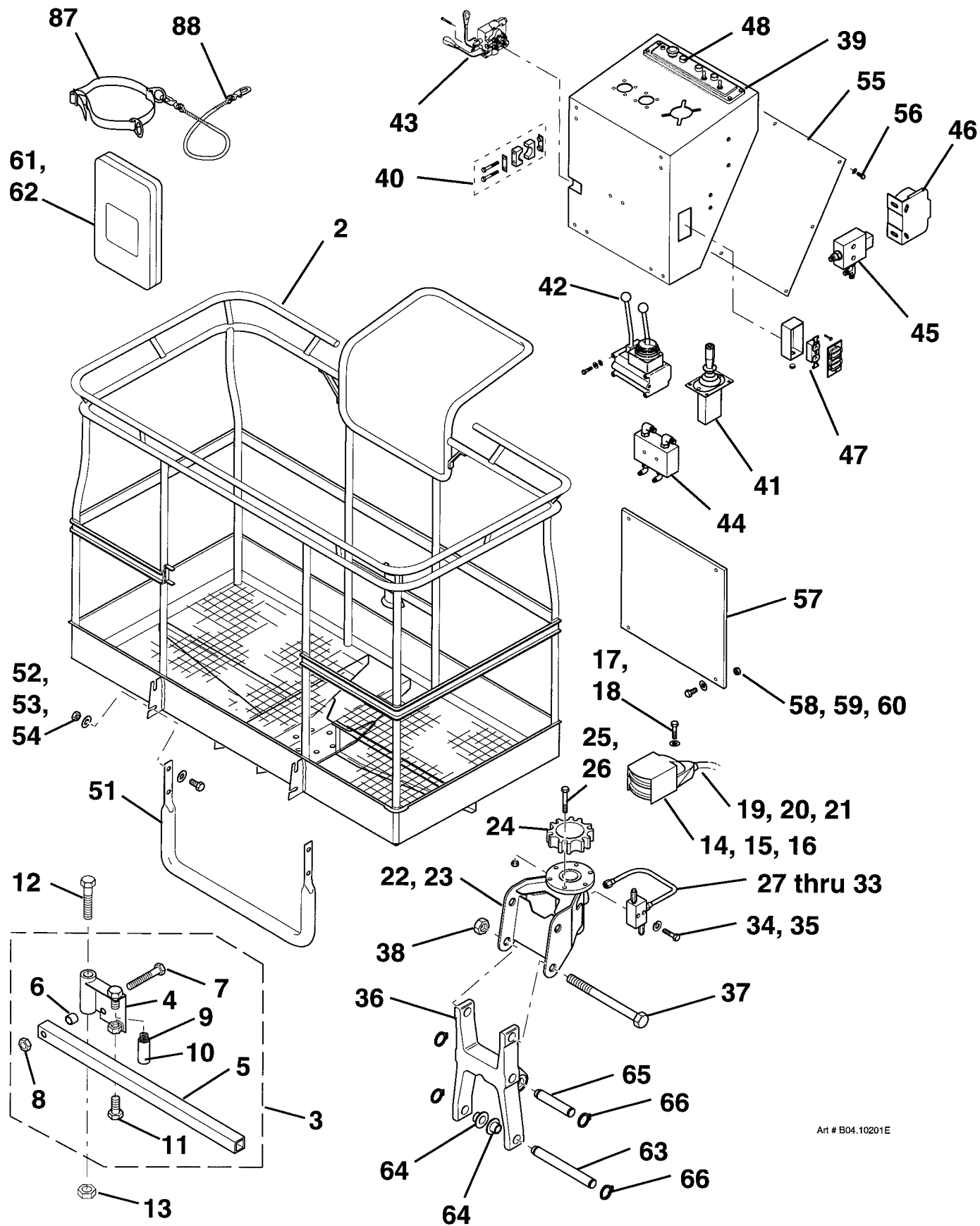
SIMON AERIALS INC.

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.		PART NO.
		REV. 13 JAN., 1996		



Art # B04.10201E

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

SIMON AERIALS INC.

REV. 13 JAN., 1996

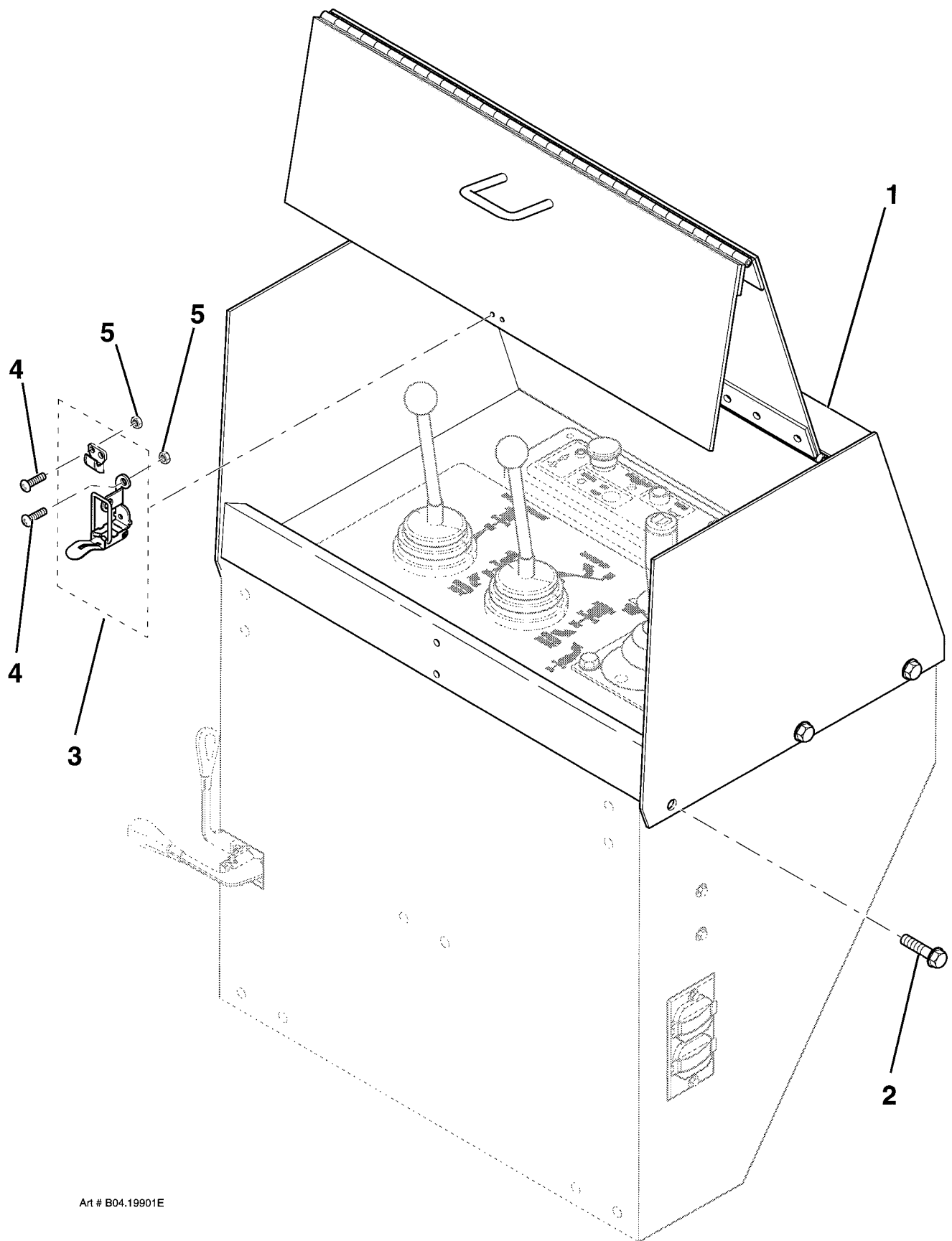
PART
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PLATE
NO. B04.102

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PLATE NO. B04.199	SIMON AERIALS INC.
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PART NO 232 3110



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

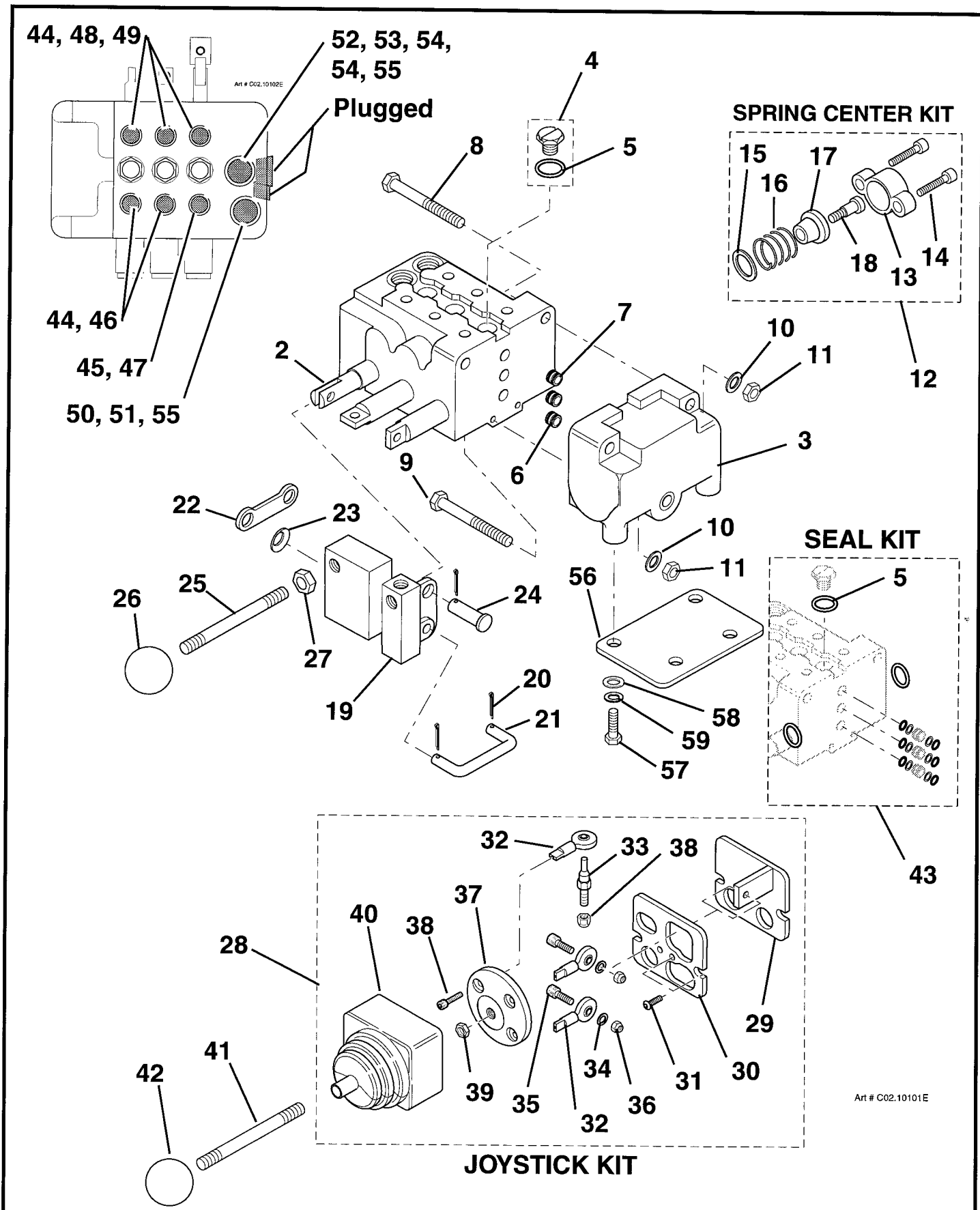
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	353 0740		VALVE BANK ASSEMBLY, PLATFORM CONTROL for Trailblazer 40	1
	353 3910		for Trailblazer 50 or 60	1
1	219 9300		VALVE BANK, PLATFORM CONTROL (3 spool) (modified 01-216000)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING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

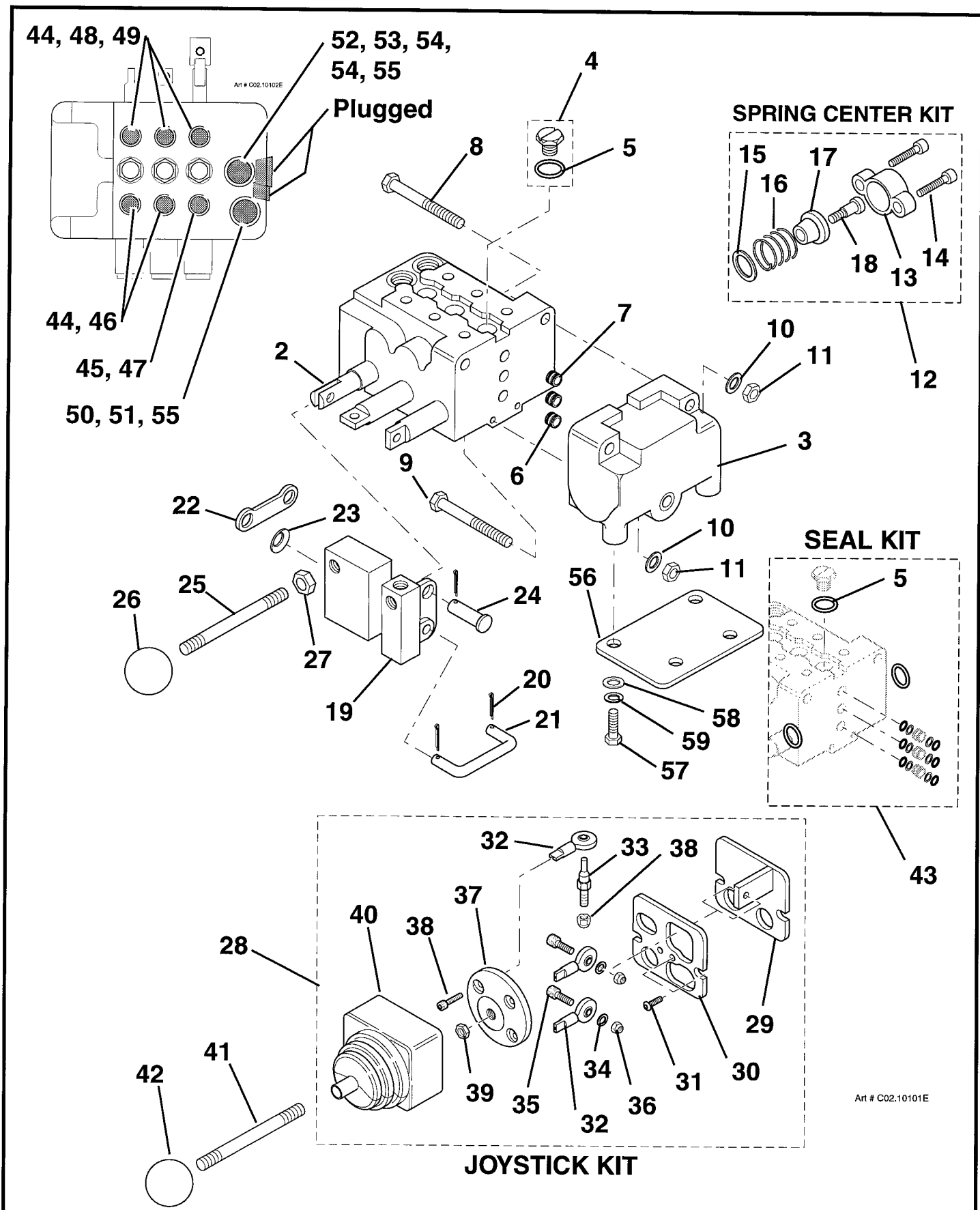
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	01-216002		VALVE BANK, PLATFORM CONTROL (continued)	
29			JOYSTICK KIT	1
30			BRACKET ASSEMBLY	1
31			PLATE, BOOT RETAINING	1
32			SCREW, BUTTON HEAD (1/2" long)	2
33			ROD END	3
34			STUD, ACTUATOR	1
35			SPACER	2
36			CAP SCREW, SOCKET HEAD (1" long)	2
37			NUT, JAM	3
38			ADAPTER, HANDLE	1
39			CAP SCREW, SOCKET HEAD (3/4" long)	3
40	01-216004		NUT, JAM	1
41	01-098503		BOOT, JOYSTICK	1
42	01-098407		ROD, HANDLE (5-3/4" [146 mm] long)	1
			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.**

REV. 16 SEP., 1993

PART NO.



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

SIMON AERIALS INC.

REV. 16 SEP., 1993

PART
NO.

PLATE
NO. C02.101

PARTS LIST

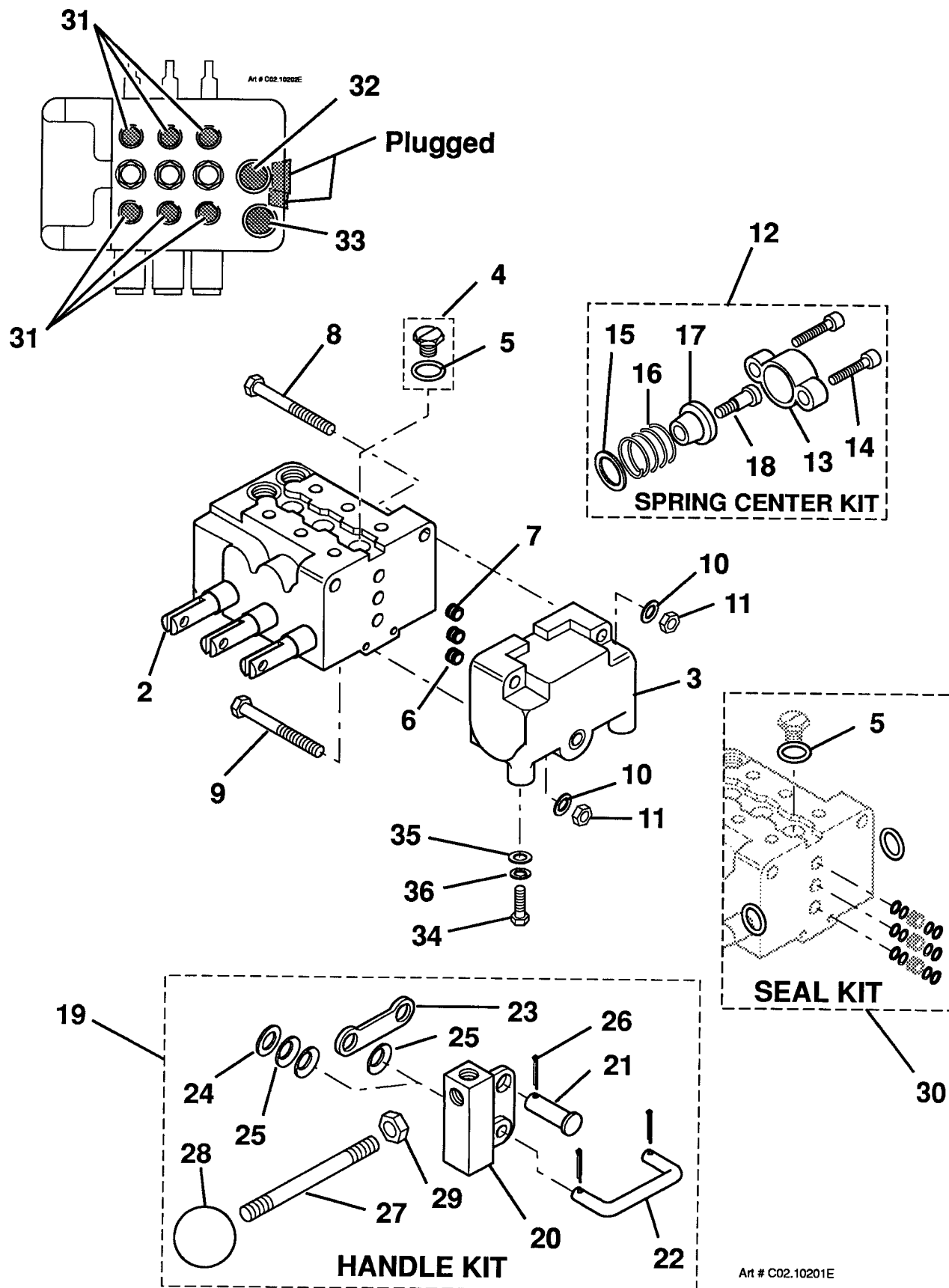
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-216100		VALVE BANK ASS'Y., GROUND CONTROL (3 Spool)	1
2			INLET SECTION, 3 SPOOL	1
3			END PLATE	1
4			PLUG, HEX HEAD	3
5			"O"-RING (also part of Seal Kit, item 30)	1
6	01-098415		TUBE ASSEMBLY, FEEDER (3/4" O.D.)	2
7	01-098416		TUBE ASSEMBLY, FEEDER (1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

TITLE GROUND VALVE BANK ASSEMBLY, 3 SPOOL

PLATE NO. C02.102 **SIMON AERIALS INC.**

NEW 14 JAN., 1993

PART NO. 3530350



TITLE

GROUND VALVE BANK ASSEMBLY, 3 SPOOL

SIMON AERIALS INC.

NEW 14 JAN., 1993

PART
NO.

3530350

PLATE
NO.

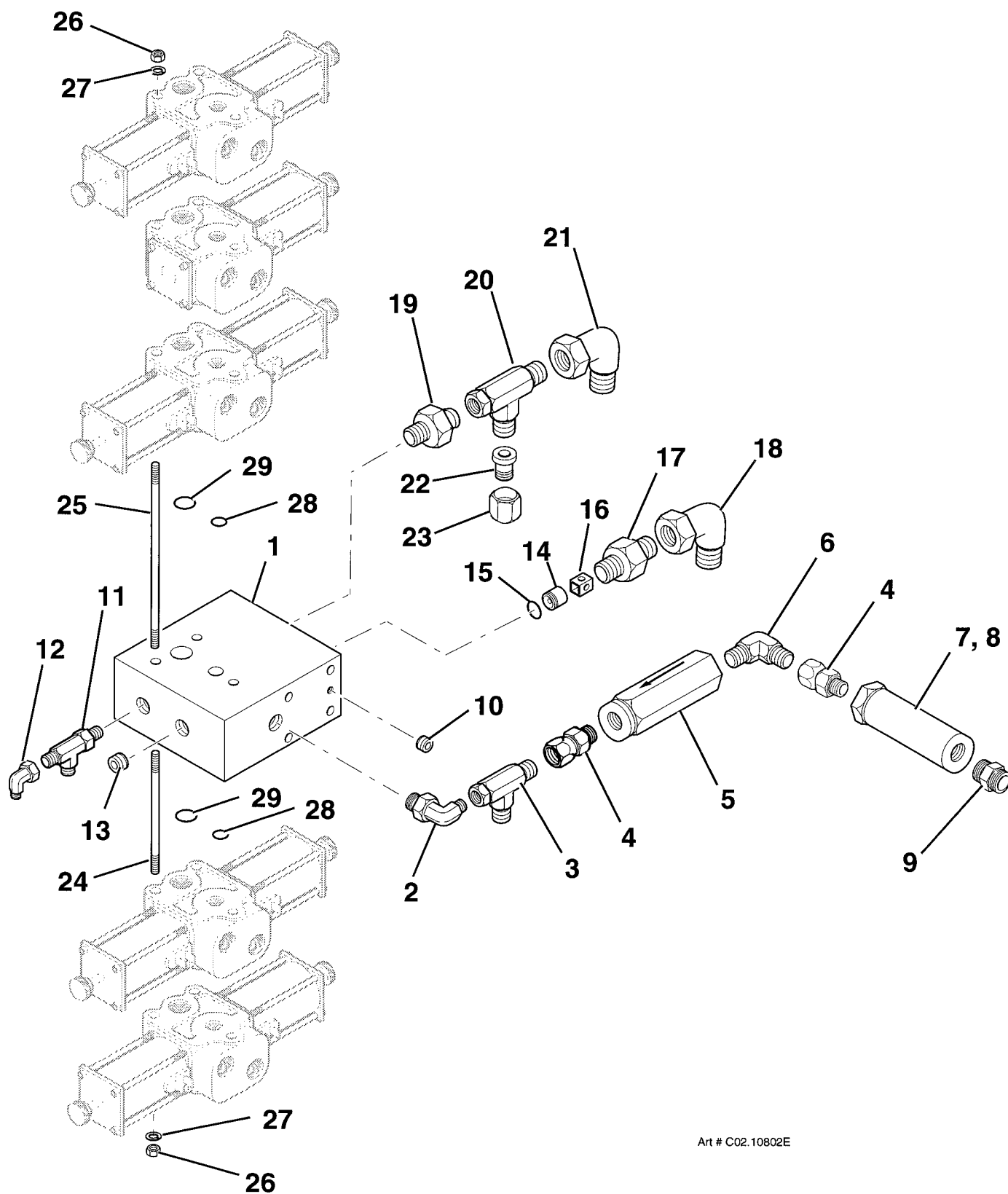
C02.102

PARTS LIST		
SEE SECTION	DESCRIPTION	QTY.
	MANIFOLD, CONTROL VALVE	1
	90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S)	1
	RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
	CONNECTOR, SWIVEL NUT (6 F65OX-S)	2
	VALVE, POPPET CHECK (3 psi [.207 bar] [.211 Kg/ cm ²], #6 ports)	1
	90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
	FILTER ASSEMBLY, HIGH PRESSURE (Screw-on) ELEMENT, FILTER	1
	ADAPTER, "O"-RING TO 37° (6 F5OX-S)	1
	PLUG, HEX SOCKET NPT (1/4 HHP-S)	1
	RUN TEE, MALE "O"-RING TO 37° (8 R5OX-S)	1
	90° ELBOW, SWIVEL NUT (8 C6X-S)	1
	PLUG, HEX SOCKET, "O"-RING (8 HP5ON)	1
	VALVE, CARTRIDGE CHECK (3000 psi [207 bar] [211 Kg/ cm ²])	1
	"O"-RING (1.051" I.D., .070" thick)	1
	SPACER, CHECK VALVE	1
	ADAPTER, "O"-RING TO 37° (16 F5OX-S)	1
	90° ELBOW, SWIVEL NUT (16 C6X-S)	1
	ADAPTER, "O"-RING TO 37° (16-12 F5OX-S)	1
	RUN TEE, 37° FEMALE SWIVEL NUT (16 R6X-S)	1
	90° ELBOW, SWIVEL NUT (16 C6X-S)	1
	REDUCER, TUBE END (16-12 TRTX-S)	1
	NUT, TUBE (16 BTX-S)	1
	ROD, THREADED (3/8"-16 x 6-1/4")	3
	ROD, THREADED (3/8"-16 x 8-1/2")	3
	NUT, HEX (3/8"-16, Grade 5)	6
	WASHER, HELICAL LOCK (3/8")	6
	"O"-RING (3/4" O.D.)	5
	"O"-RING (1-1/16" O.D.)	5

SIMON AERIALS INC.

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

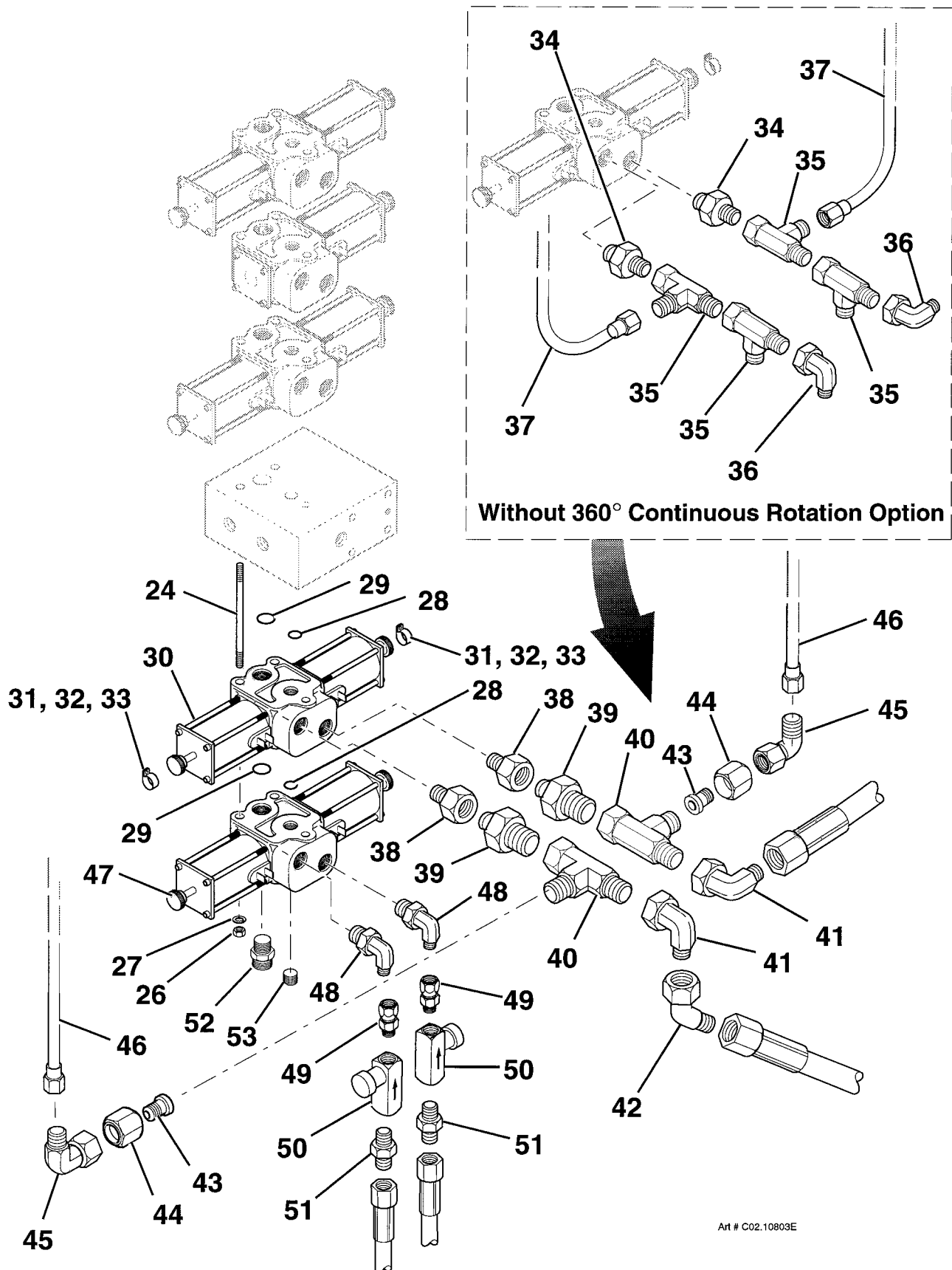
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	01-031700	D13.01	VALVE, DIRECTIONAL (High speed valve) (Solenoid operated, 4 way, 3 position, closed center)	1
31	10-005300		BAND (to prevent manual operation of valve)	4
32	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	4
33	07-050014		NUT, HEX 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 with 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 all 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.

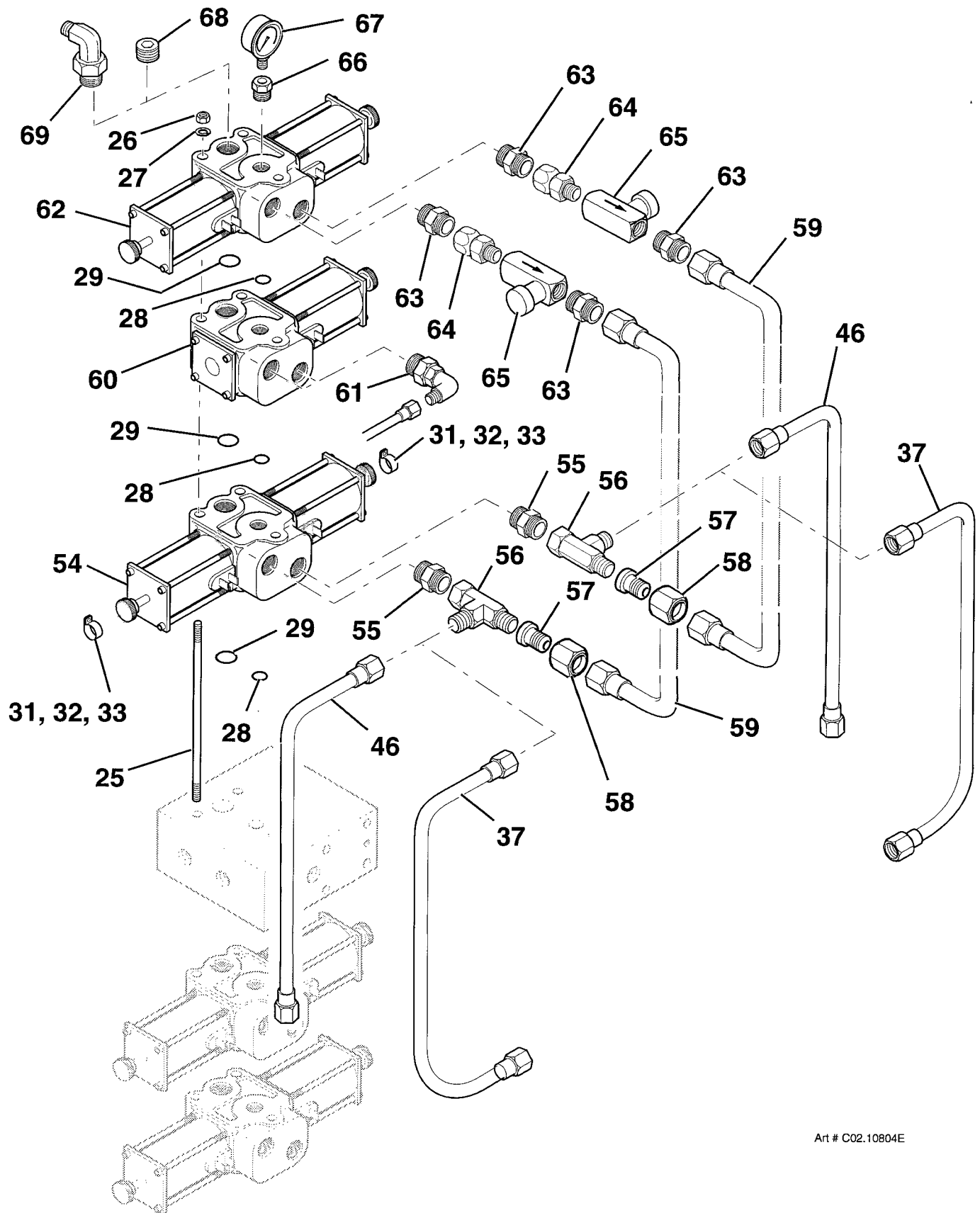
REV. 22 JAN., 1996

PART NO. 353 2740

PLATE NO. C02.105

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

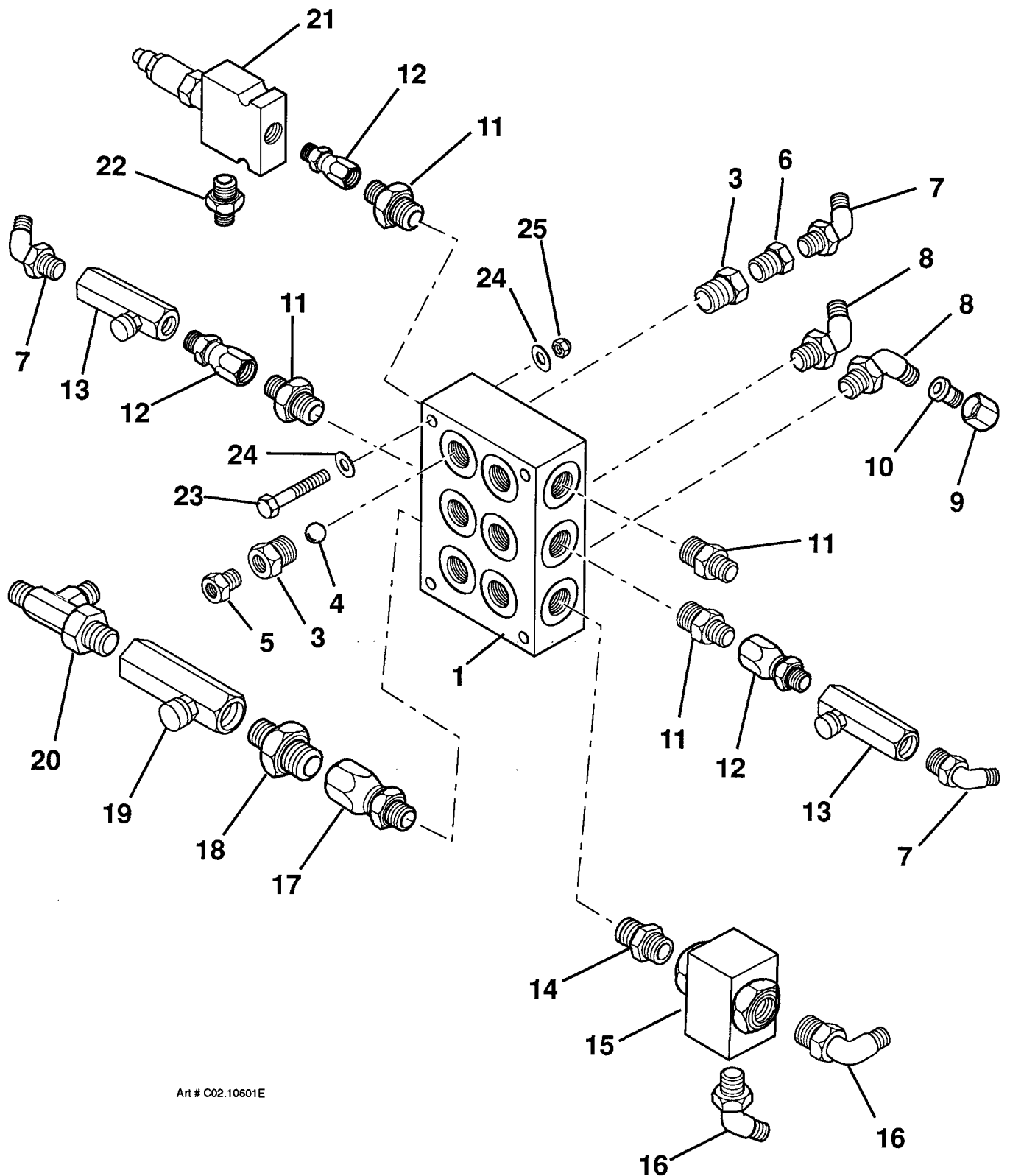
PLATE
NO.

C02.105

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PLATE NO.	C02.106	SIMON AERIALS INC.	NEW 22 SEP., 1993	PART NO.	3533100
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NEW 22 SEP., 1993



Art # C02.10601E

TITLE

SHUTTLE VALVE ASSEMBLY, TRAILBLAZER 60

SIMON AERIALS INC.

NEW 22 SEP., 1993

PART
NO.

3533100

PLATE
NO.

C02.106

PARTS LIST

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

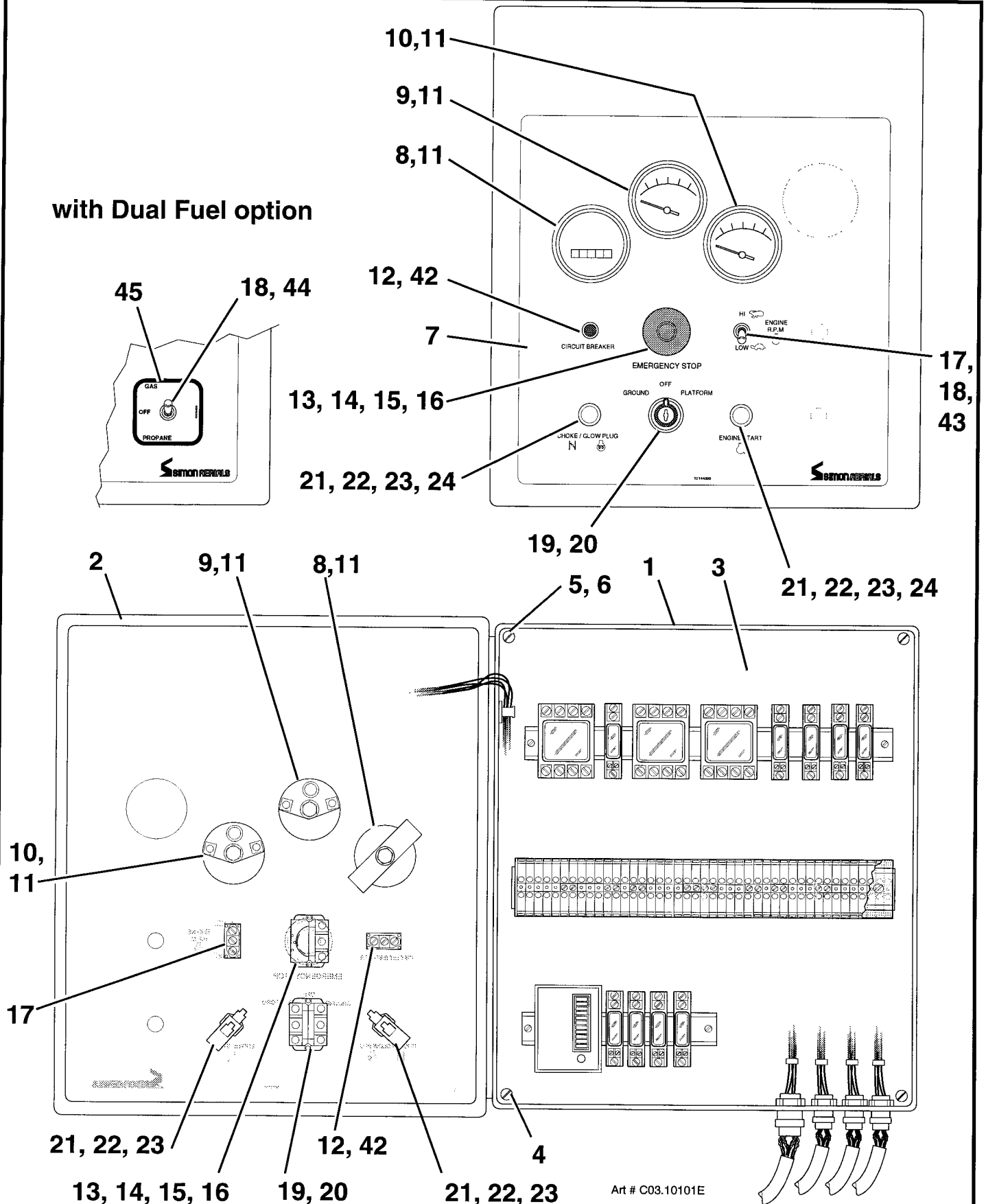
TITLE GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

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

REV. 18 JAN., 1996

PART NO.

with Dual Fuel option



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

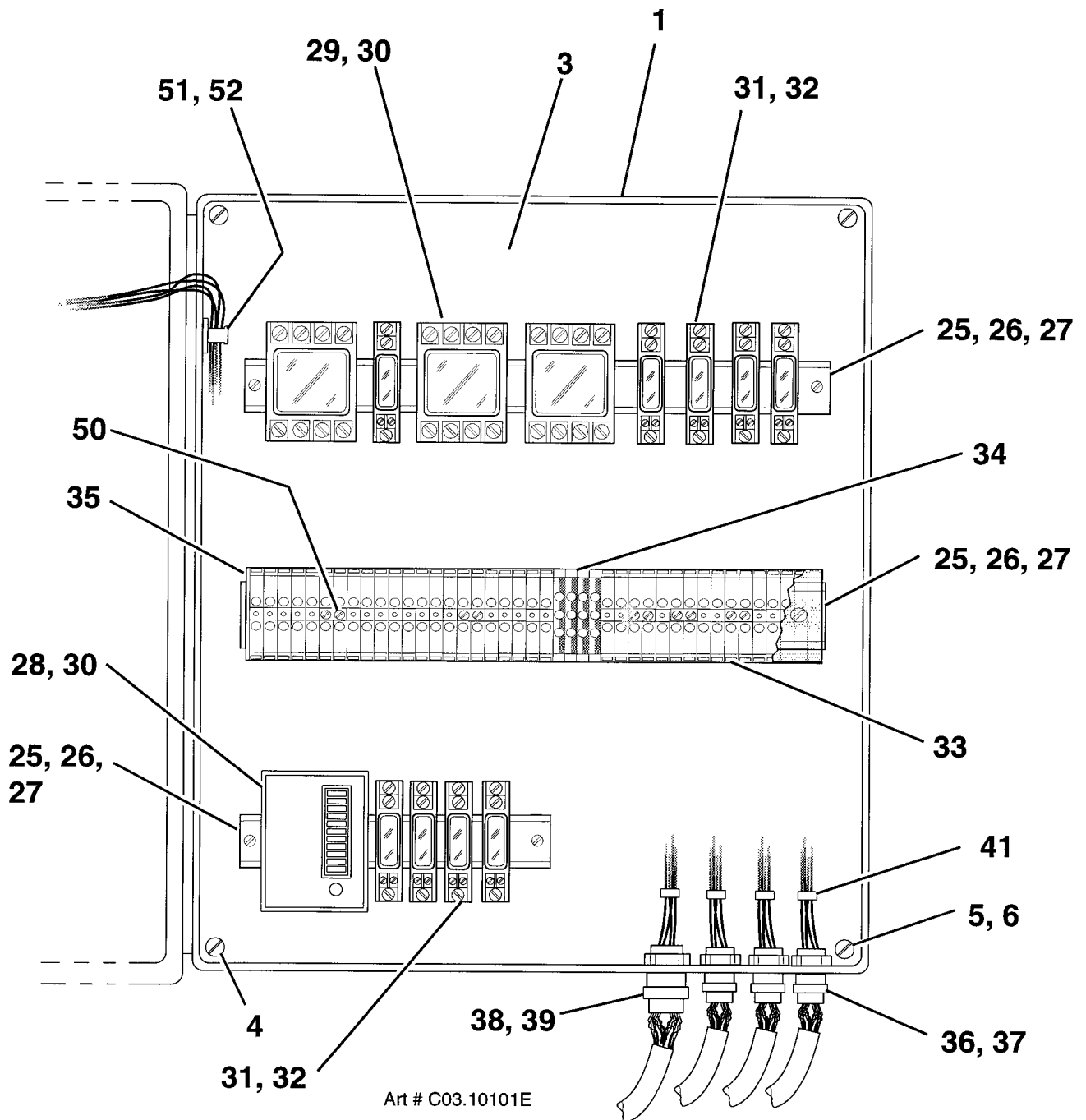
PART
NO.

PLATE
NO. **C03.101**

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



TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

PART
NO.

PLATE
NO. C03.101

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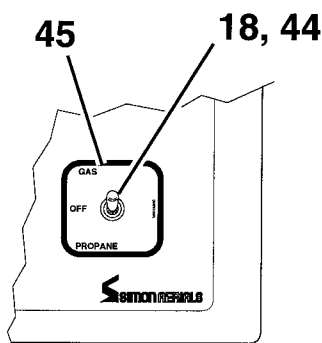
TITLE	GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)
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PLATE NO. C03.101	SIMON AERIALS INC.
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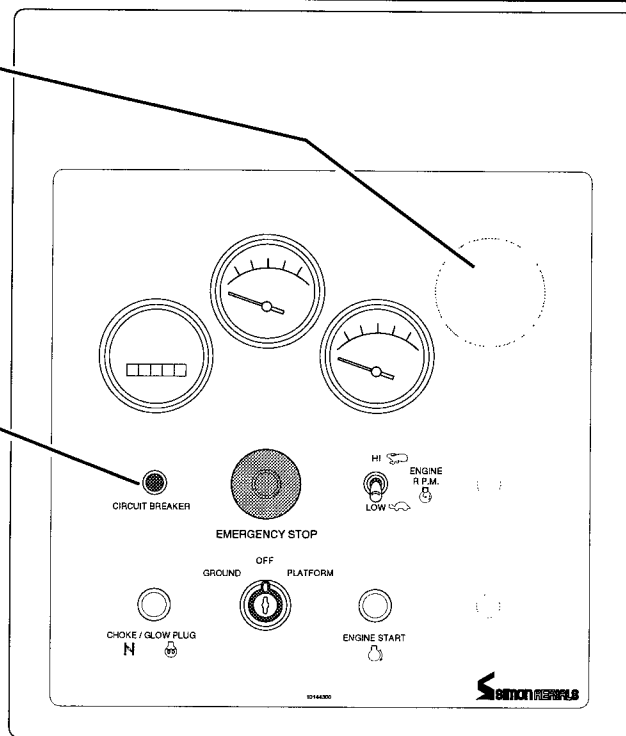
REV. 18 JAN., 1996

PART
NO.

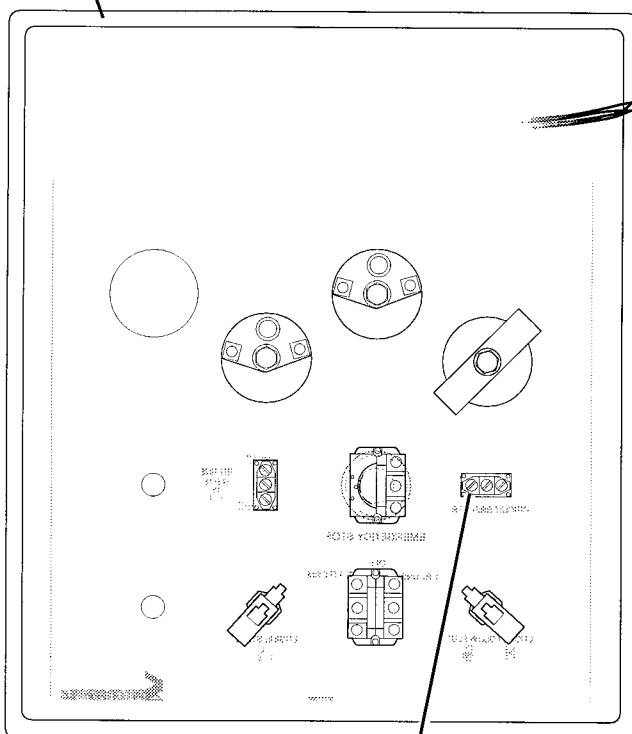
with Dual Fuel option



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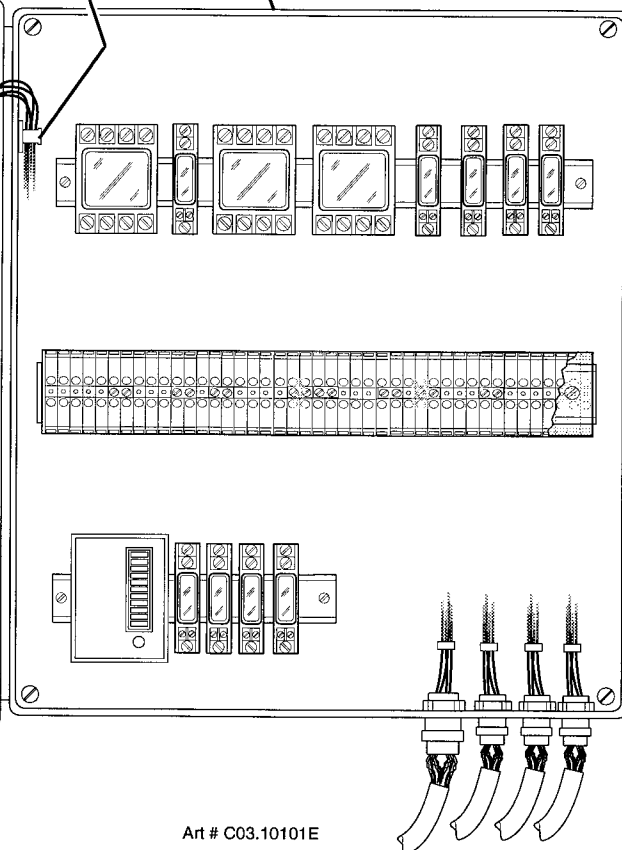


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Art # C03.10101E

TITLE

GROUND CONTROL BOX ASSEMBLY (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 18 JAN., 1996

PART
NO.

PLATE
NO. C03.101

PARTS LIST

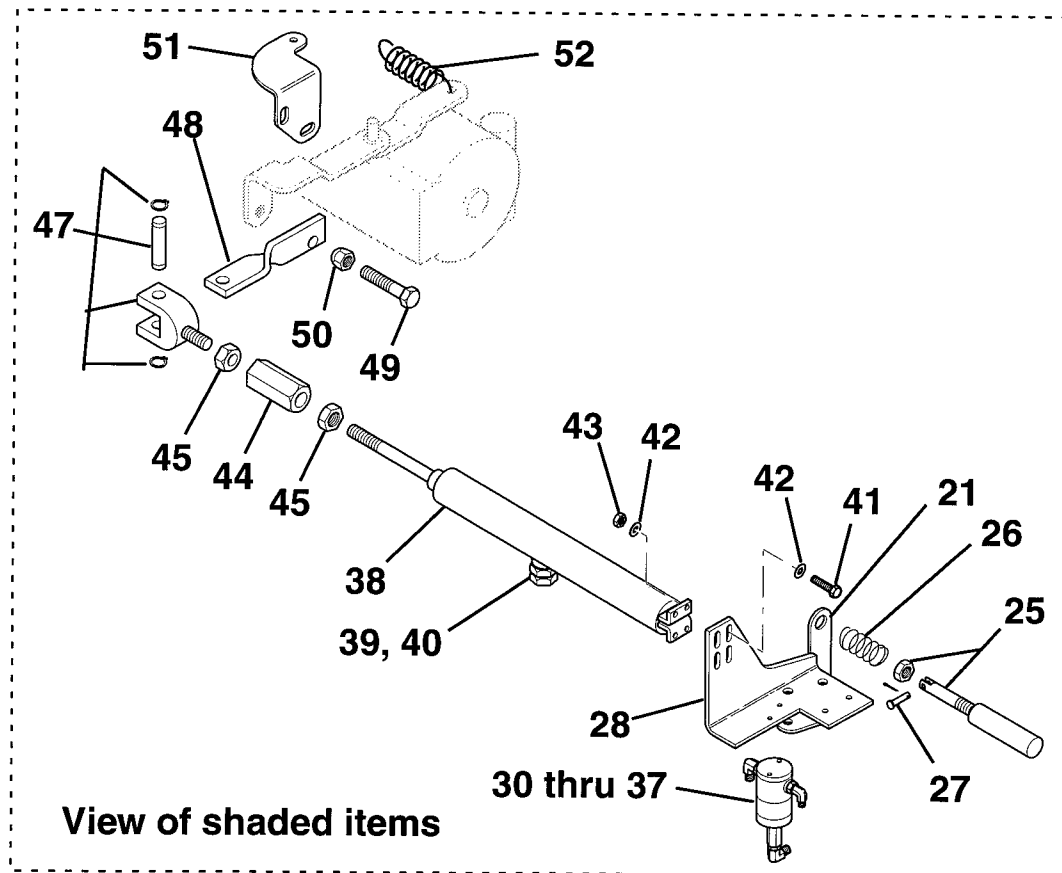
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE ASSEMBLY (Ford LSG-423) (63 HP [47 Kw] liquid cooled four cylinder) Trailblazer 40 (Gasoline)	1
	353 1290		Trailblazer 40 (Dual fuel)	1
	353 1310		Trailblazer 50 or 60 (Gasoline)	1
	353 6480		Trailblazer 50 or 60 (Dual fuel)	1
1			ENGINE ASSEMBLY (Ford LSG-423) 63 HP (47 Kw) liquid cooled gas four cylinder, T-40	1
	09-017800		63 HP (47 Kw) liquid cooled dual fuel four cylinder, T-40	1
	09-023700		63 HP (47 Kw) liquid cooled gas four cylinder, T-50, T-60	1
	09-056200		63 HP (47 Kw) liquid cooled dual fuel four cyl., T-50, 60	1
	09-056300			
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)

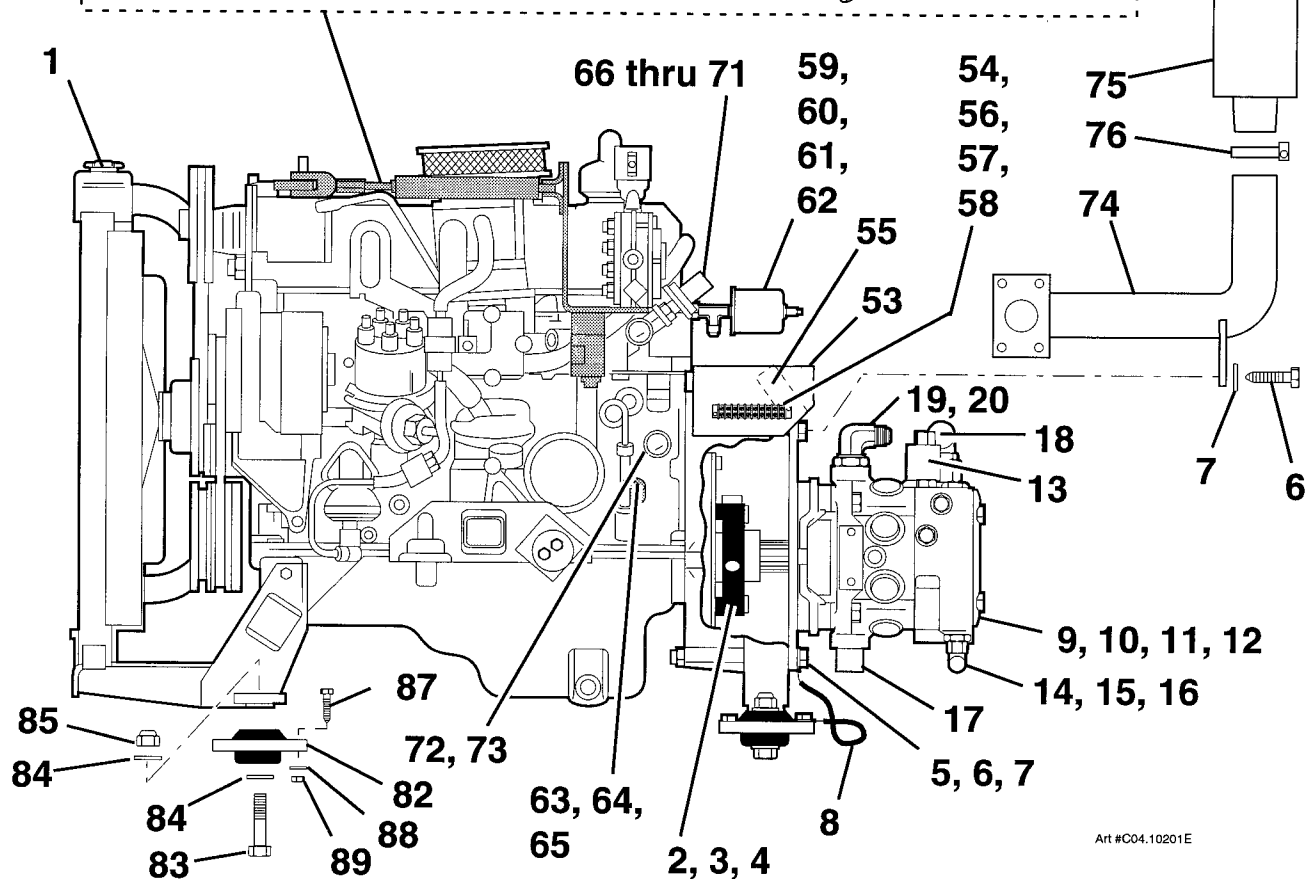
PLATE NO. C04.102 **SIMON AERIALS INC.**

REV. 23 JAN., 1996

PART NO.



View of shaded items



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

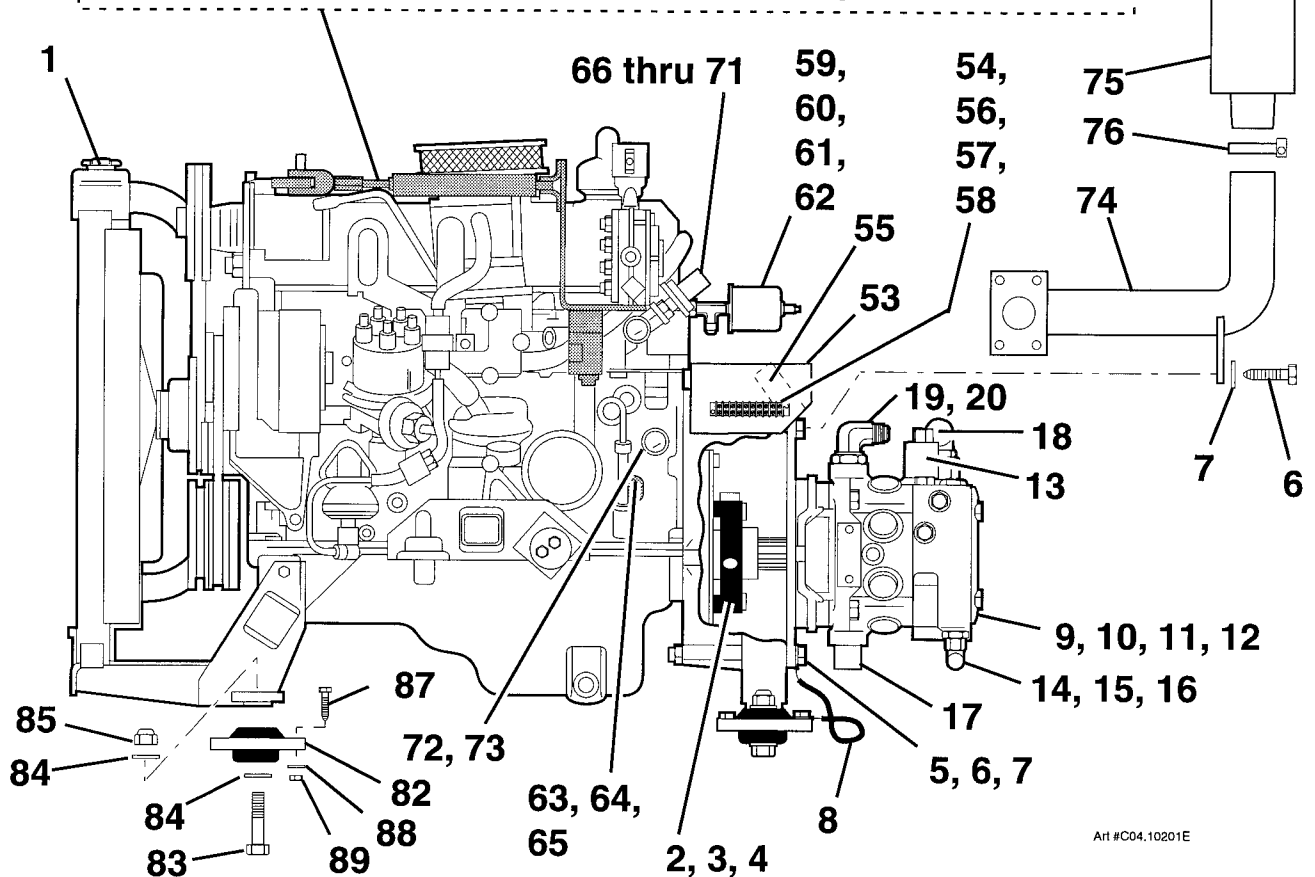
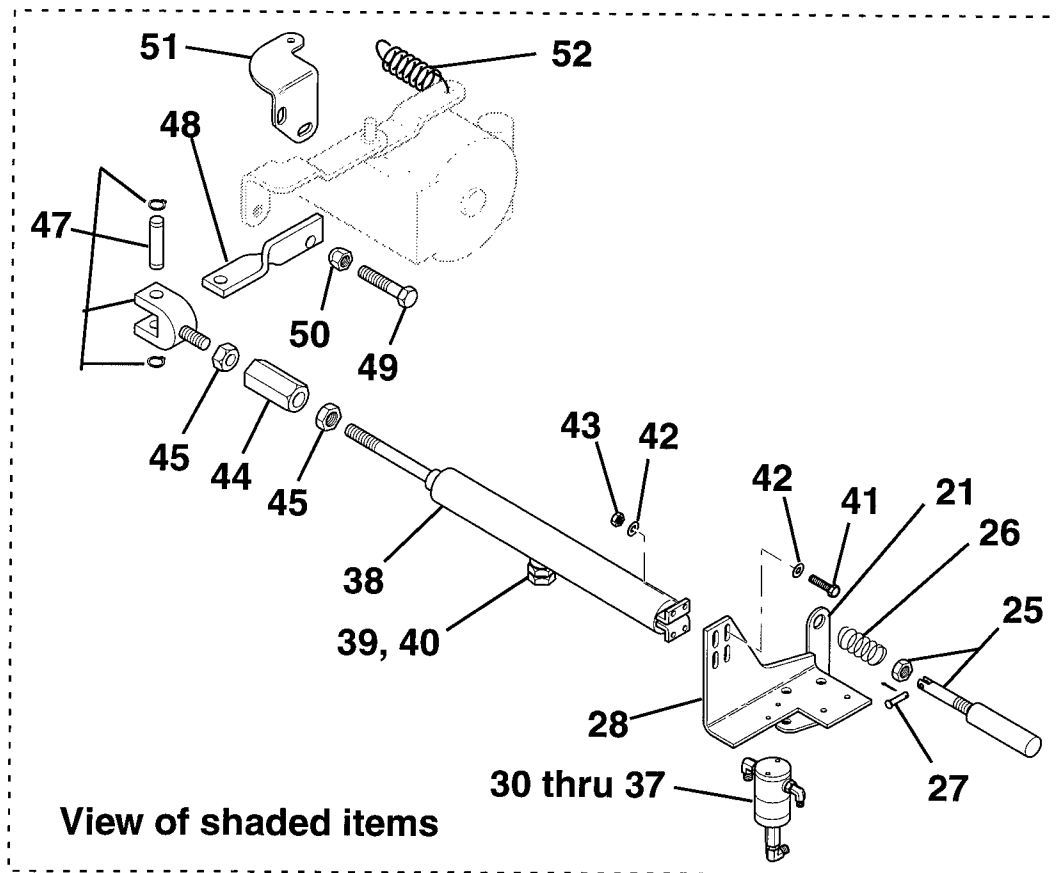
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	1
26	10-110600		SPRING, CHOKE RETURN	1
27	07-075414		ROLL PIN (1/8" x 1")	1
28	211 3350		BRACKET, THROTTLE (comes with engine)	1
29			SCREW (Bracket to engine)	2
30	09-000405		VALVE, ENGINE SOLENOID	1
31	06-198600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

PARTS LIST

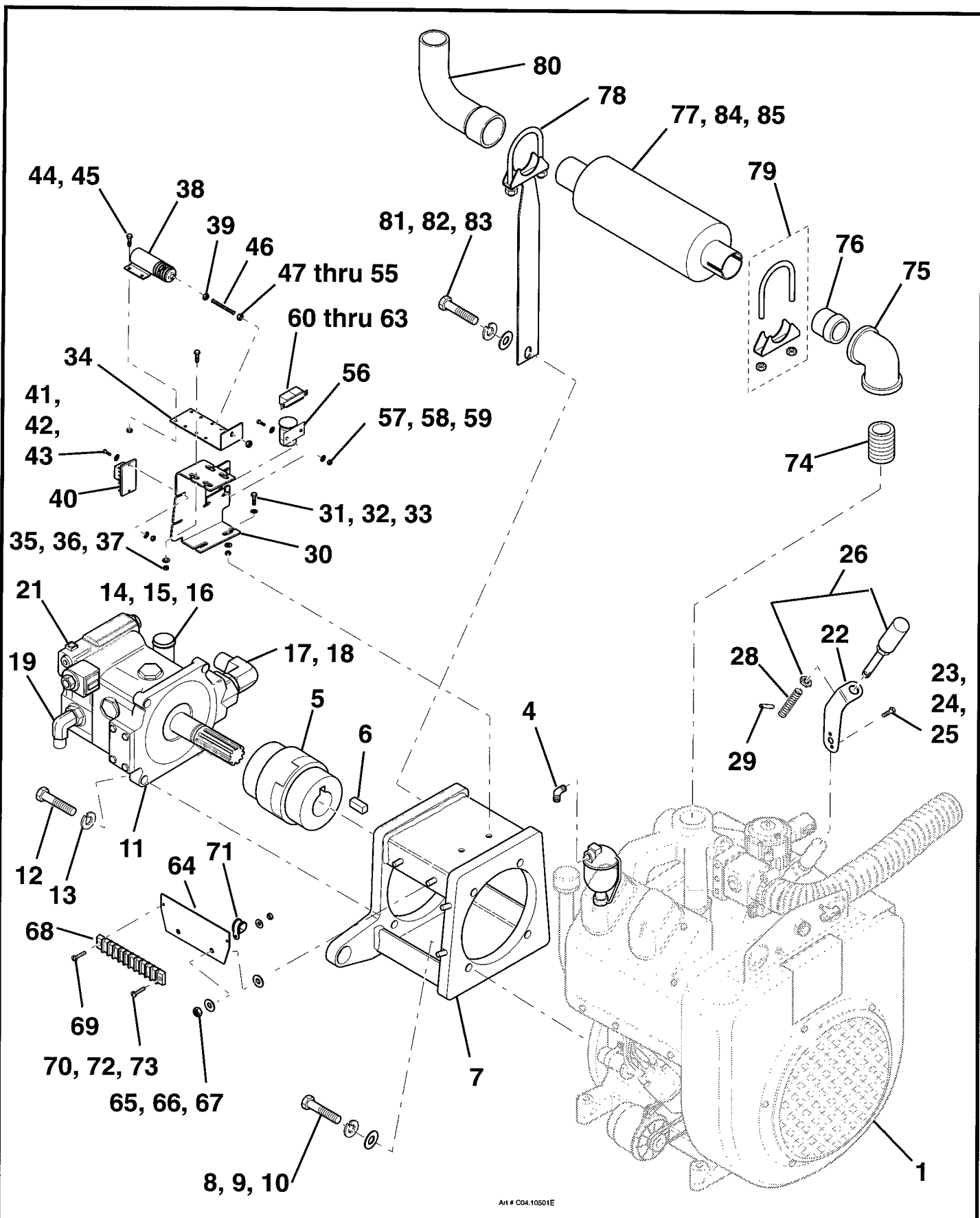
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			ENGINE ASSEMBLY (Wisconsin V-465) (65 HP [48 Kw] air cooled four cylinder) Gasoline	1
	353 5320		Dual fuel	1
1			ENGINE ASSEMBLY (Wisconsin V-465) 65 HP (48 Kw) air cooled gas four cylinder	1
	09-007000		65 HP (48 Kw) air cooled dual fuel four cylinder	1
2	09-027000		SENDER, OIL PRESSURE GAUGE (0-100 PSI) (Not shown. On other side of engine.)	1
3	09-052200		PLUG, HEX SOCKET (1/8 HHP-S)	1
4	06-079700		45° ELBOW, MALE 37° TO NPT (4 VTX-S) (on fuel sediment bowl)	1
5	06-009300		COUPLING ASSEMBLY	1
6	02-011300		KEY, SQUARE (1/2" x 2-1/4")	1
7	11-006006		ADAPTER, PUMP	1
8	212 9770		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	4
9	07-003129		WASHER, HELICAL LOCK (5/8")	4
10	07-065021		WASHER, FLAT (5/8")	4
11	07-062021		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.



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

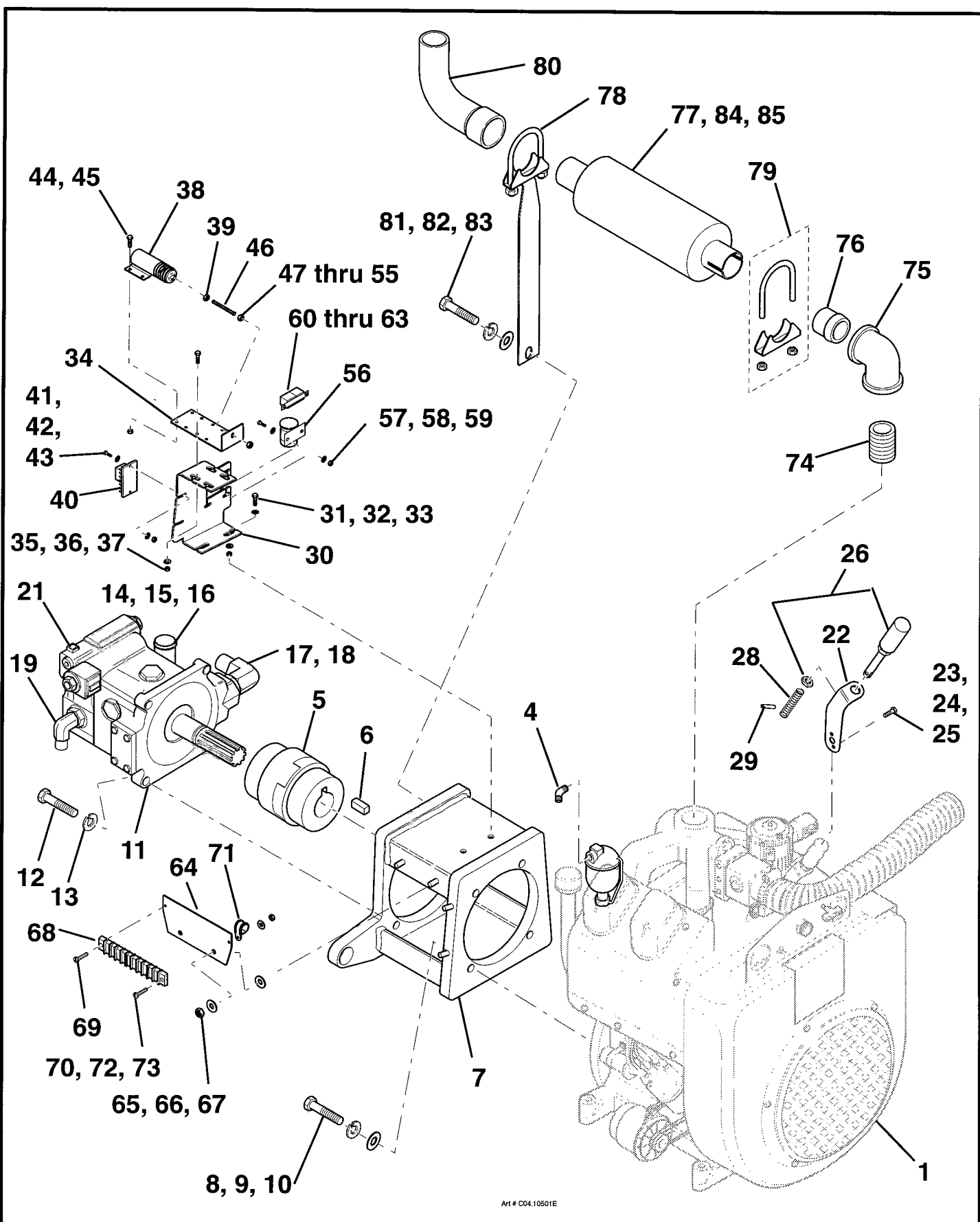
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30	215 0290		BRACKET, THROTTLE SOLENOID	1
31	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
32	07-060016		WASHER, FLAT (3/8" SAE)	4
33	07-050016		NUT, STOP (3/8"-16)	2
34	231 9440		BRACKET, LOW THROTTLE	1
35	07-003004		CAP SCREW, HEX HEAD (1/4"-20 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.**

NEW 25 JAN., 1996

PART NO.



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

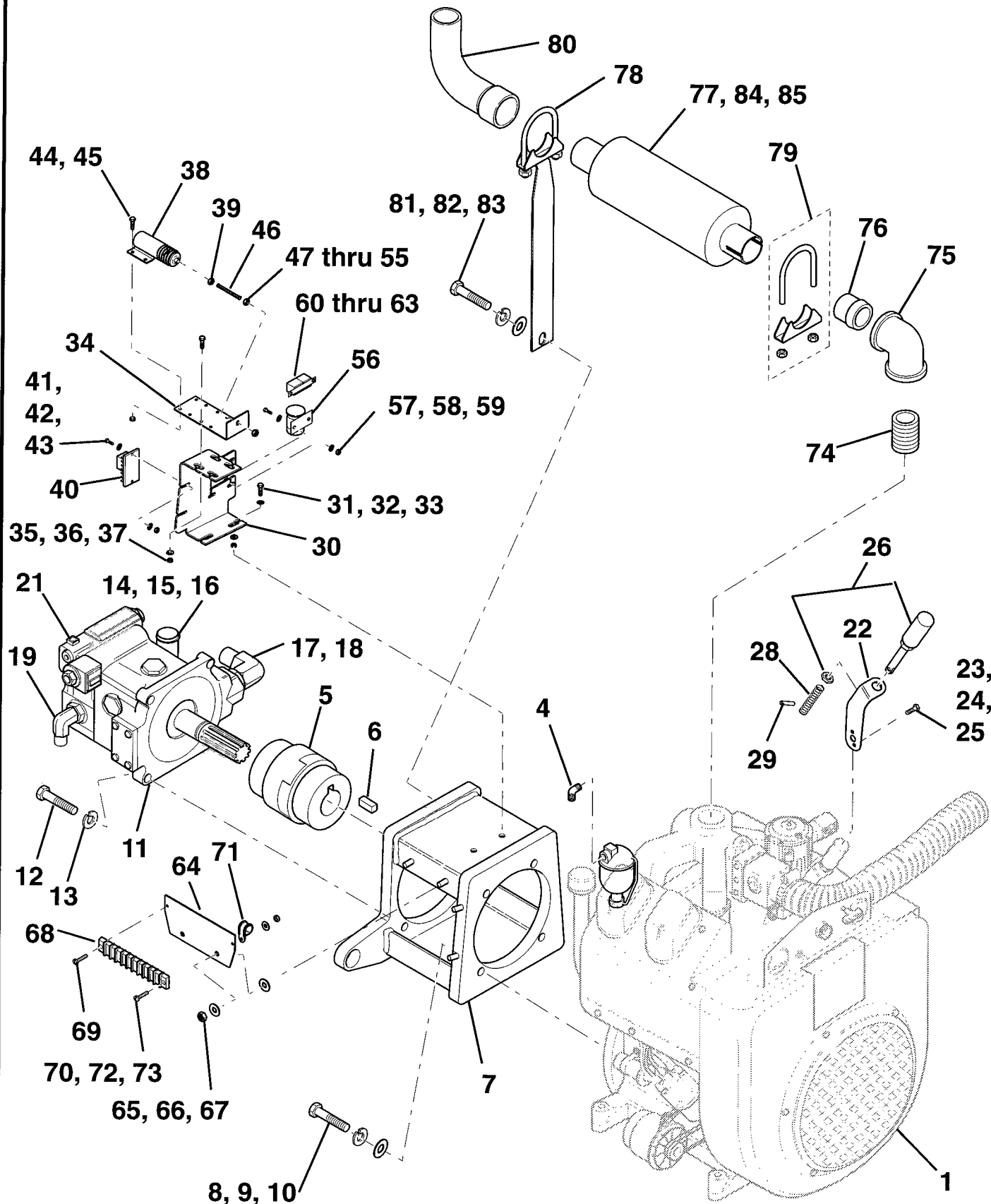
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
64	230 1520		BRACKET, TERMINAL STRIP (7" [178 mm])	1
65	07-062016		WASHER, FLAT (3/8")	2
66	07-062015		WASHER, FLAT (5/16")	2
67	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
68	03-468700		STRIP, TERMINAL (Barrier type, 14 contact)	1
69	07-011344		MACHINE SCREW, 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

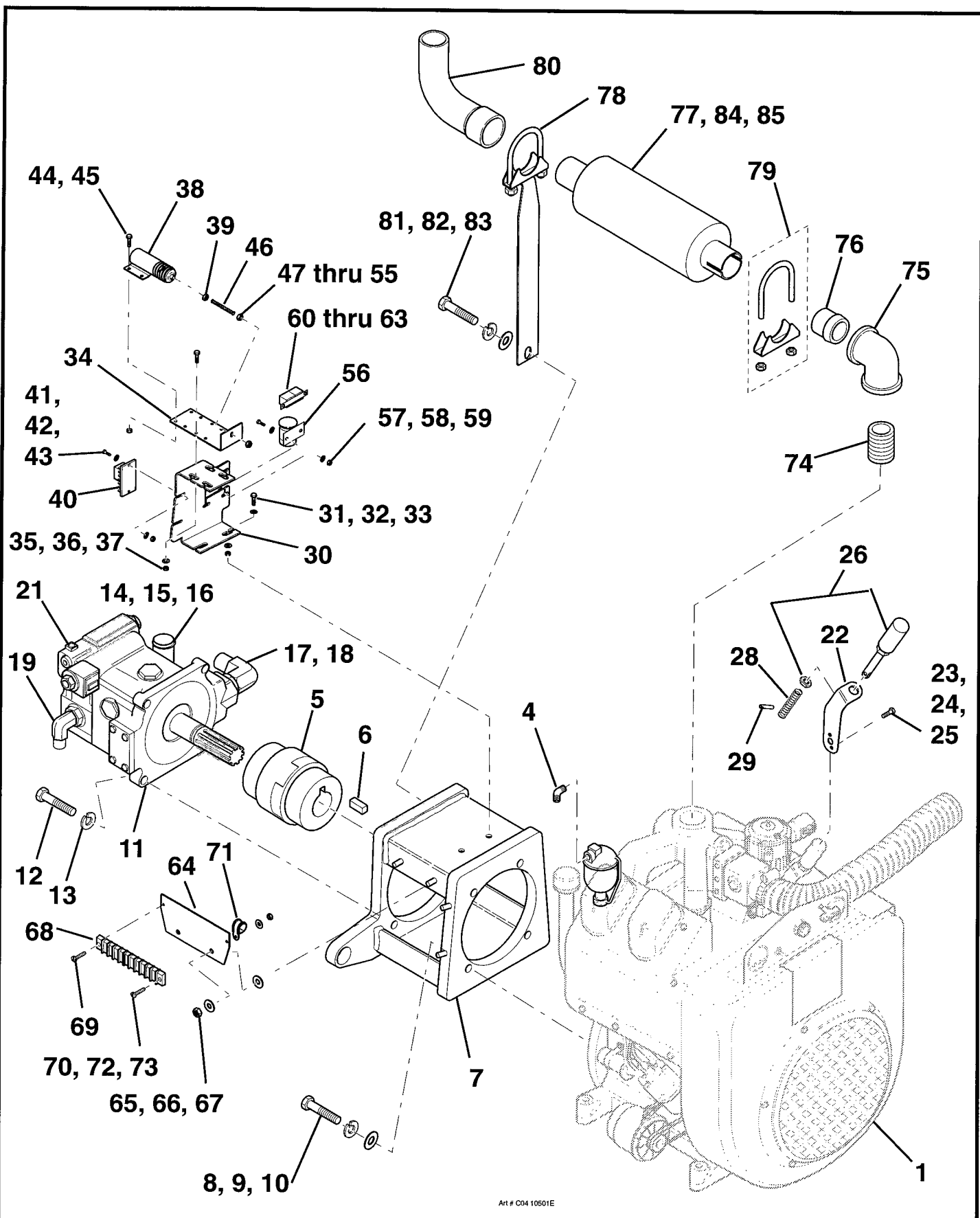
PART
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PLATE
NO. C04.105

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NEW 25 JAN., 1996

**PART
NO.**



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

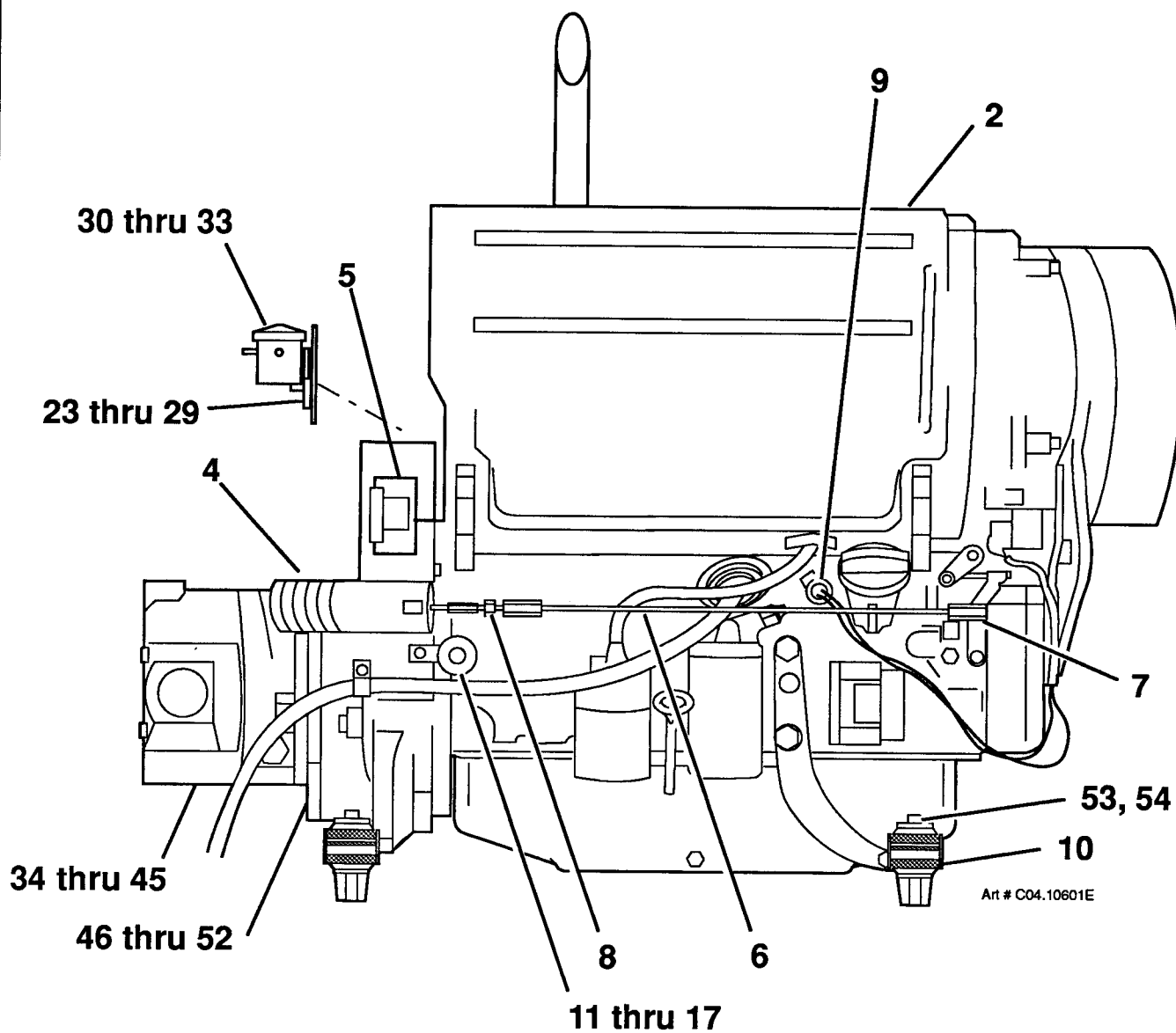
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	3534130		ENGINE ASSEMBLY (Deutz Model F4L1011)	1
2	09-046300		ENGINE, DIESEL (Deutz Model F4L1011)	1
3	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
4	03-469400		SOLENOID, THROTTLE (does not include module)	1
5	03-456803		MODULE, THROTTLE SOLENOID	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

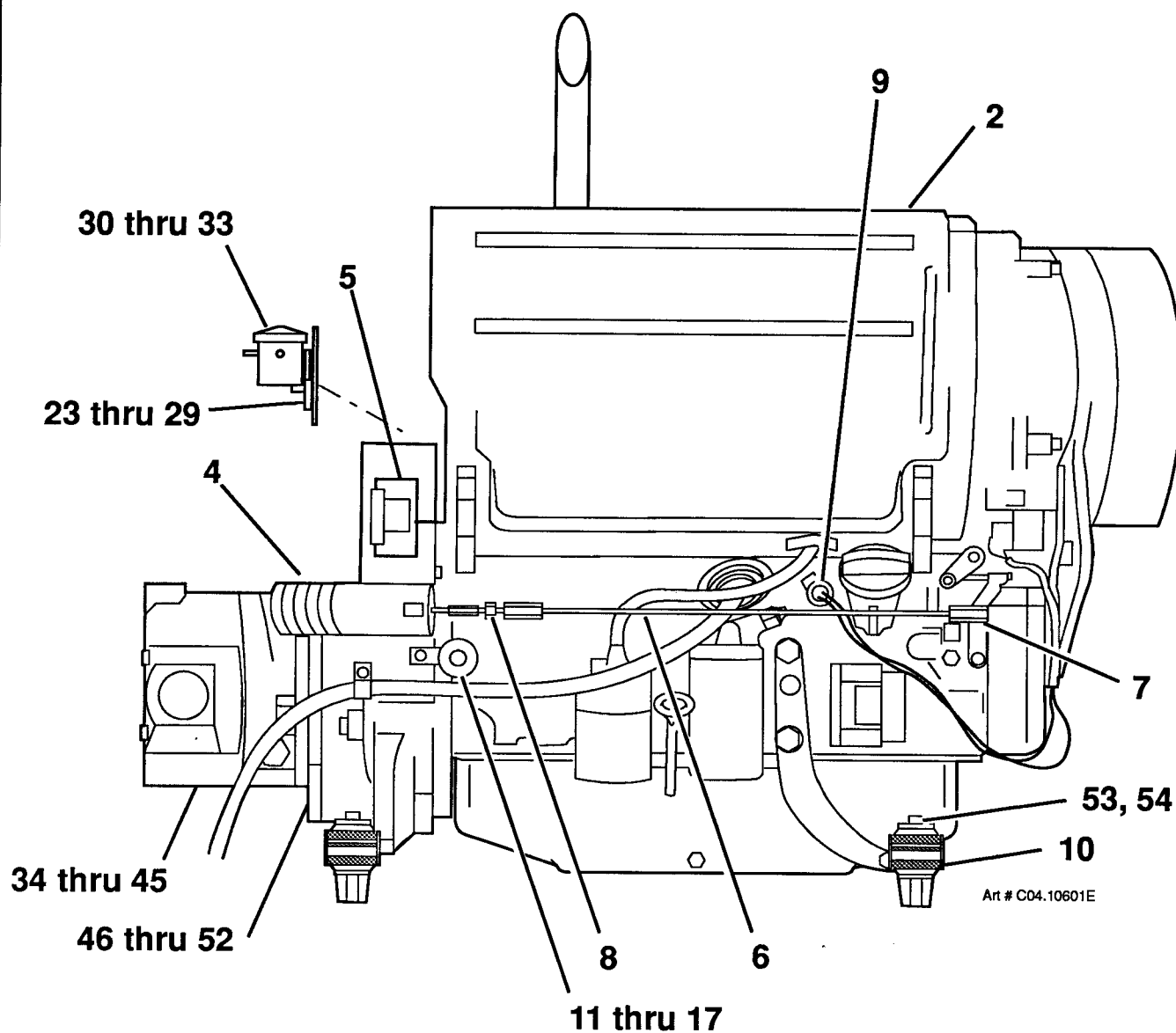
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
34	See Index	D08.--	PUMP, HYDRAULIC	1
35	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
36	07-060021		WASHER, FLAT (5/8")	4
37	07-065021		WASHER, HELICAL LOCK (5/8")	4
38	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1
39	07-003087		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.**

NEW 27 JAN., 1994

PART NO.



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

SIMON AERIALS INC.

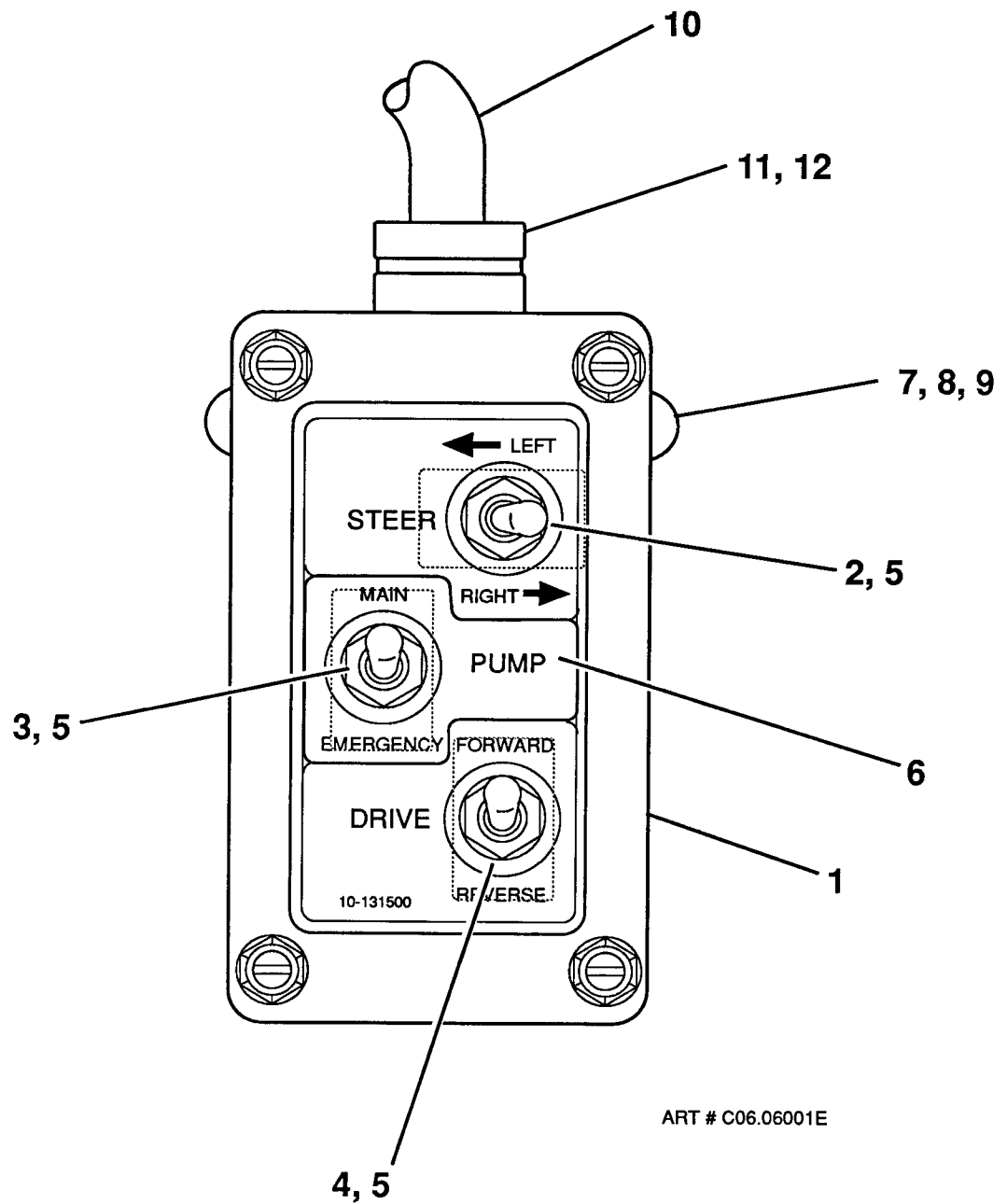
NEW 27 JAN., 1994

PART
NO.

PLATE
NO. C04.106

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PLATE NO.	C06.06	SIMON AERIALS INC.	REV. 13 JAN., 1994	PART NO.	3529370
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ART # C06.06001E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

REV. 13 JAN., 1994

PART
NO.

3529370

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

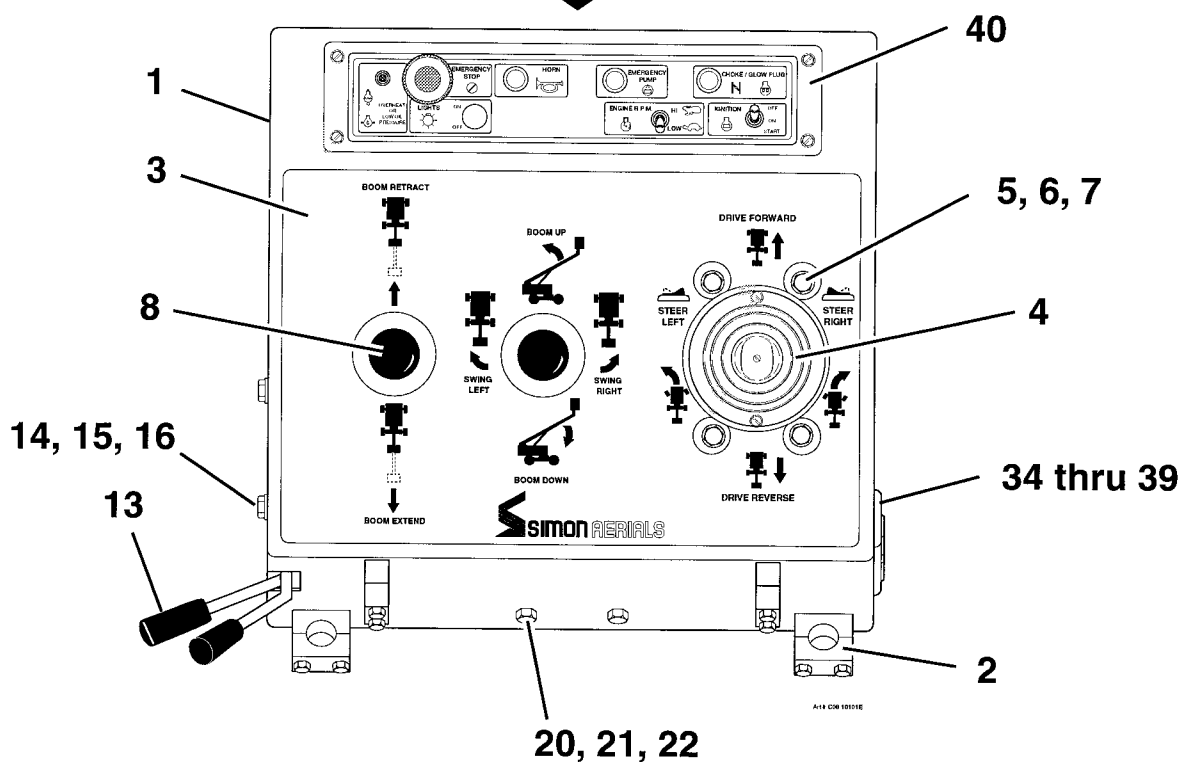
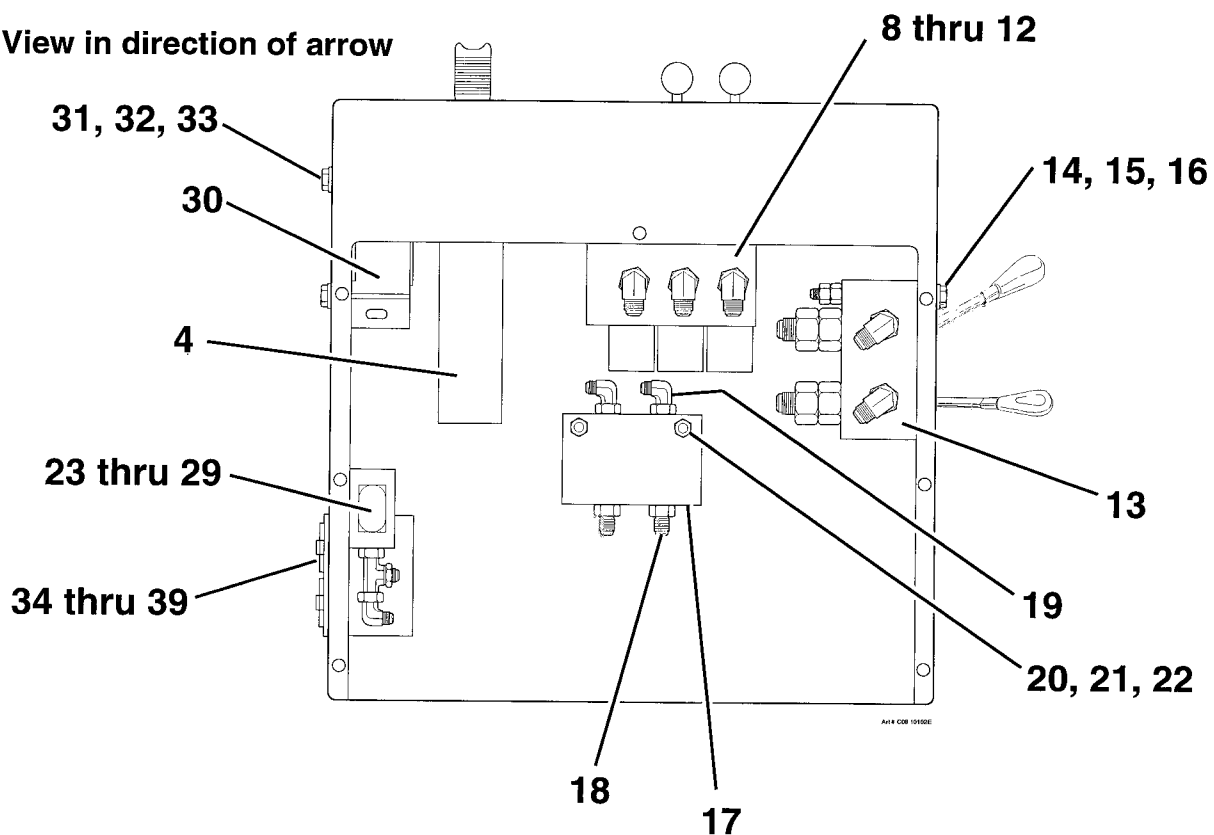
TITLE PLATFORM CONSOLE ASSEMBLY, TRAILBLAZER 50 OR 60 (PLATE 1 OF 3)

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

REV. 05 JAN., 1996

PART NO. 353 3900

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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

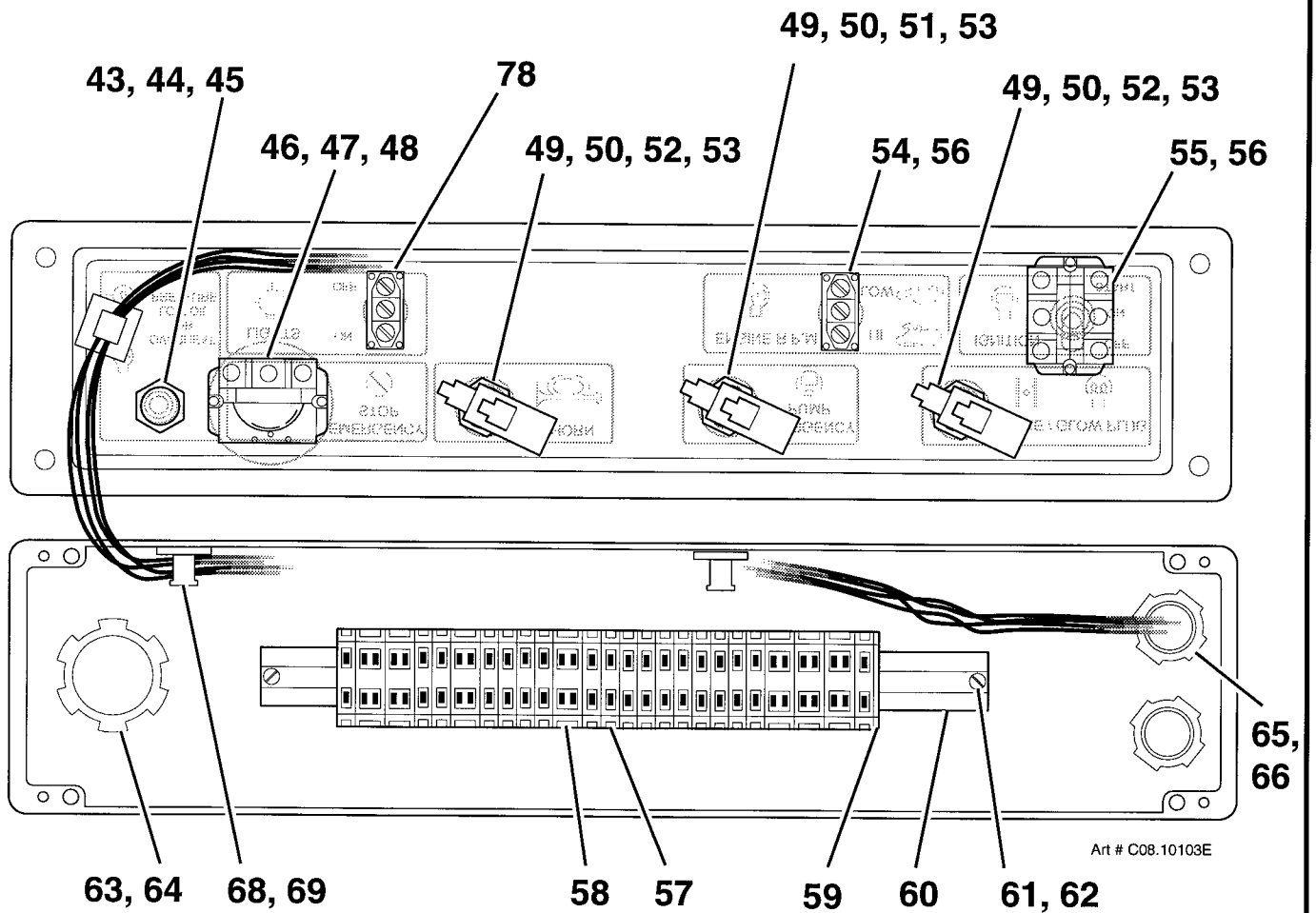
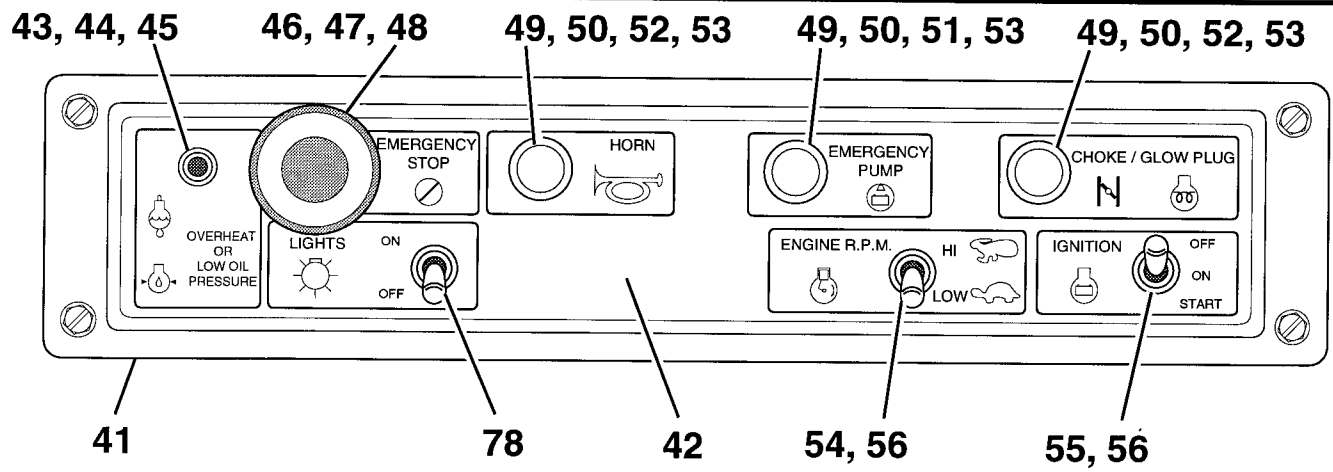
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
40	352 9460		BOX ASSEMBLY, PLATFORM ELECTRICAL	1
41	219 9360		BOX, ELECTRICAL (Drilled. Includes cover and screws) for use with decal having red background at	1
	232 3810		Emergency Stop button (Type 1) for use with decal having yellow background at	1
			Emergency Stop button (Type 2)	1
42	10-145900		DECAL, PLATFORM ELECTRICAL BOX 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 (Red and silver, "pull to release" type) (earlier style)	1
	03-496000		(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

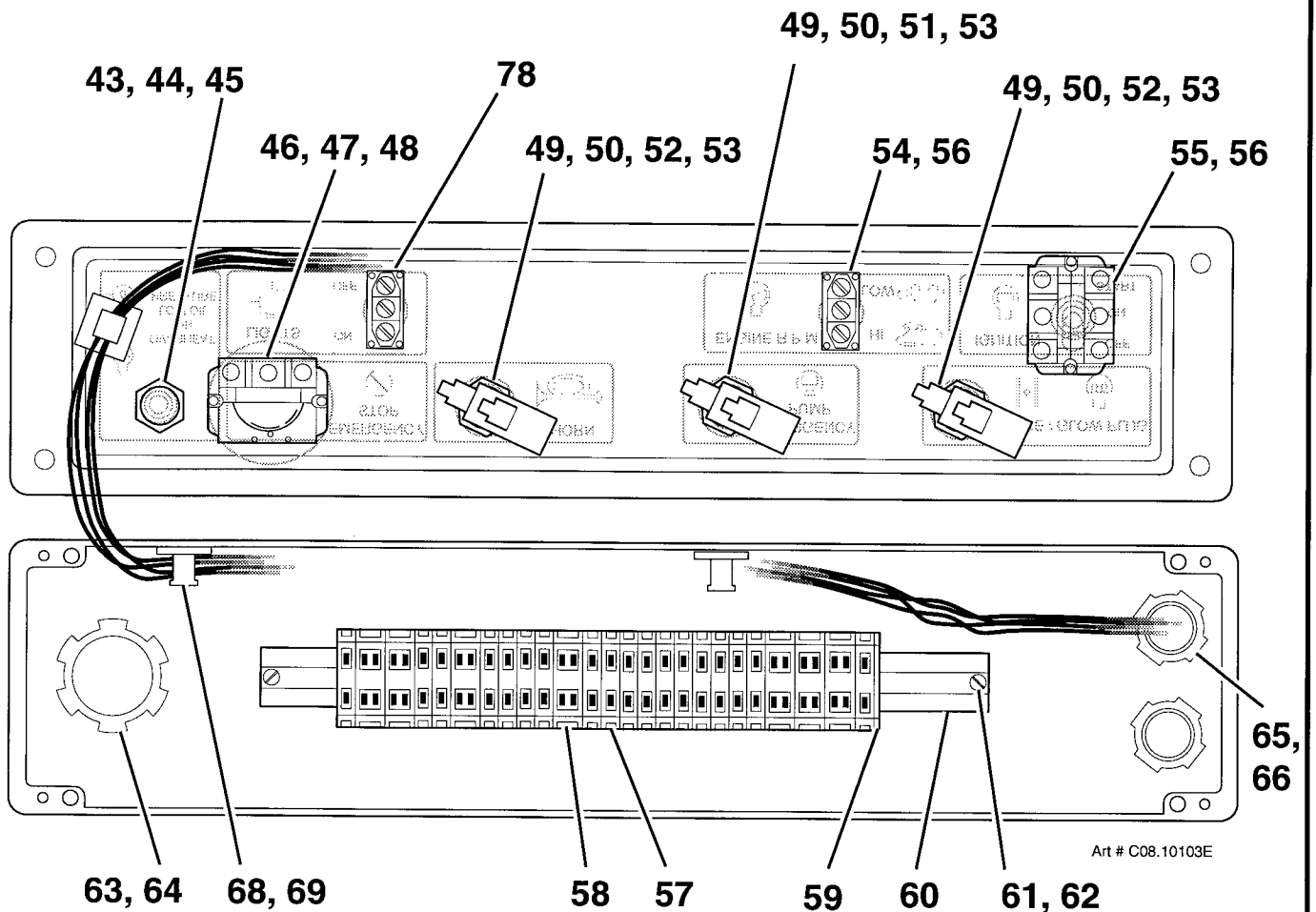
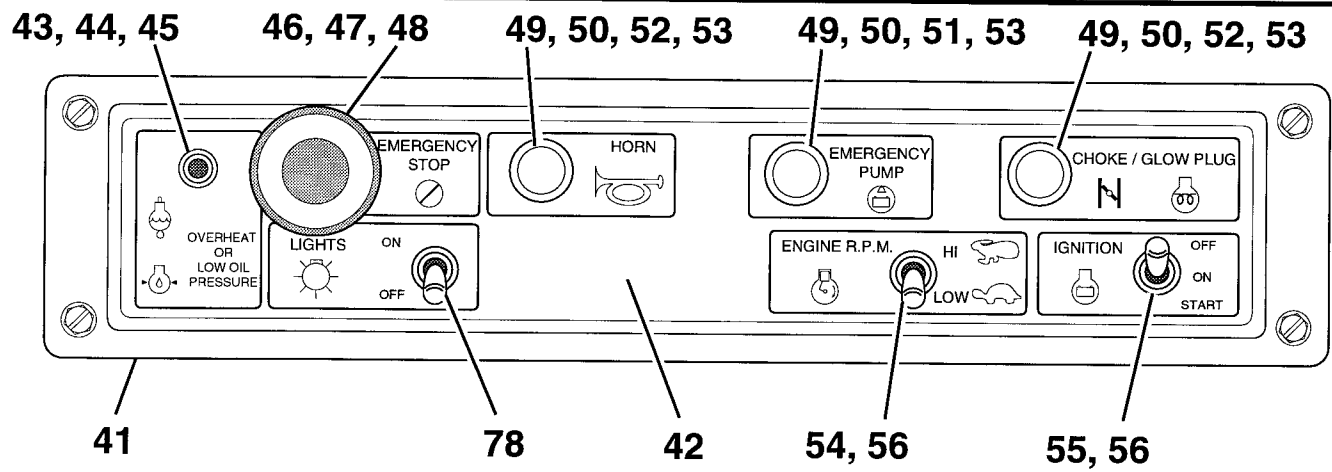
PLATE
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PLATE NO.	C08.102	SIMON AERIALS INC.
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PART NO 353 3900



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

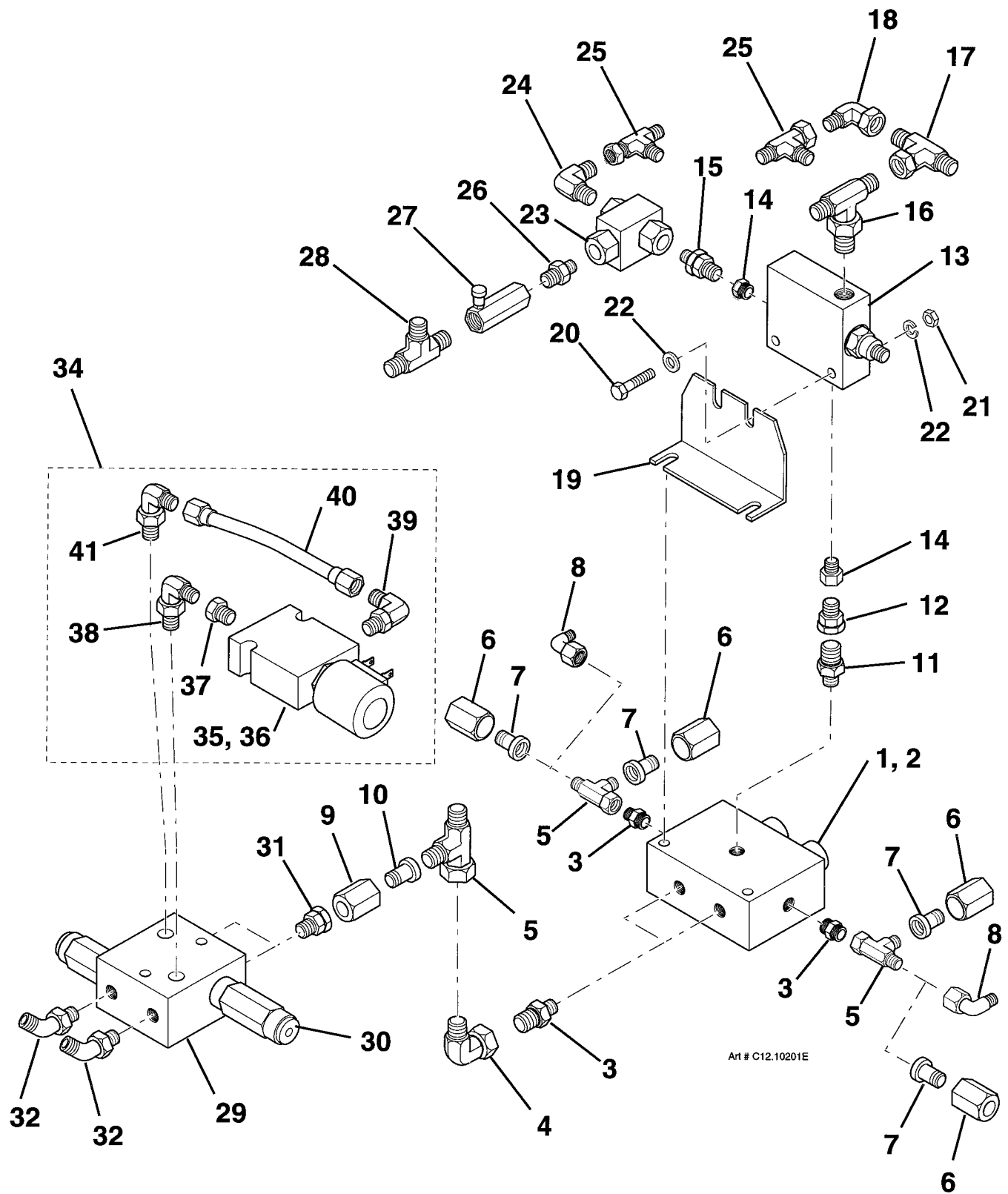
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			MOTION CONTROL VALVE ASSEMBLY (for models without 360° continuous rotation option)	1
	353 0860		Earlier versions using #12 drive hoses	
	354 5140		Later versions using #16 drive hoses	
1	01-225900		VALVE, MOTION CONTROL	1
2	01-013101		SEAL KIT, MOTION CONTROL 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/ cm ²], set at 600 PSI [41 bar] [42 Kg/ cm ²])	1
14	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	2
15	06-096100		UNION (6 F50 F50-S)	1
16	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 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.**

REV. 12 DEC., 1995

PART
NO.



TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

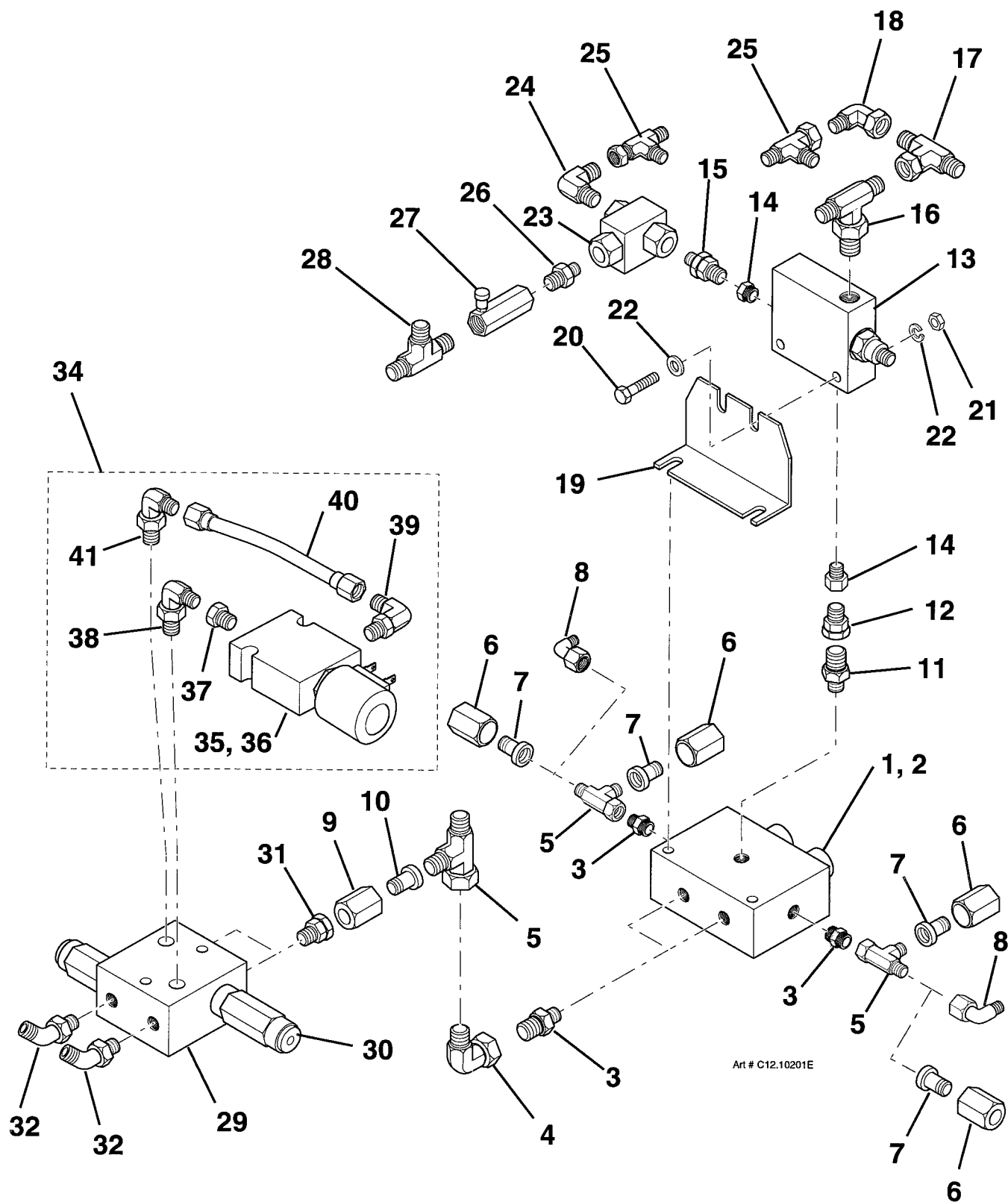
PLATE
NO. **C12.102**

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C12.102

REV. 12 DEC., 1995

PART
NO.



TITLE

MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)

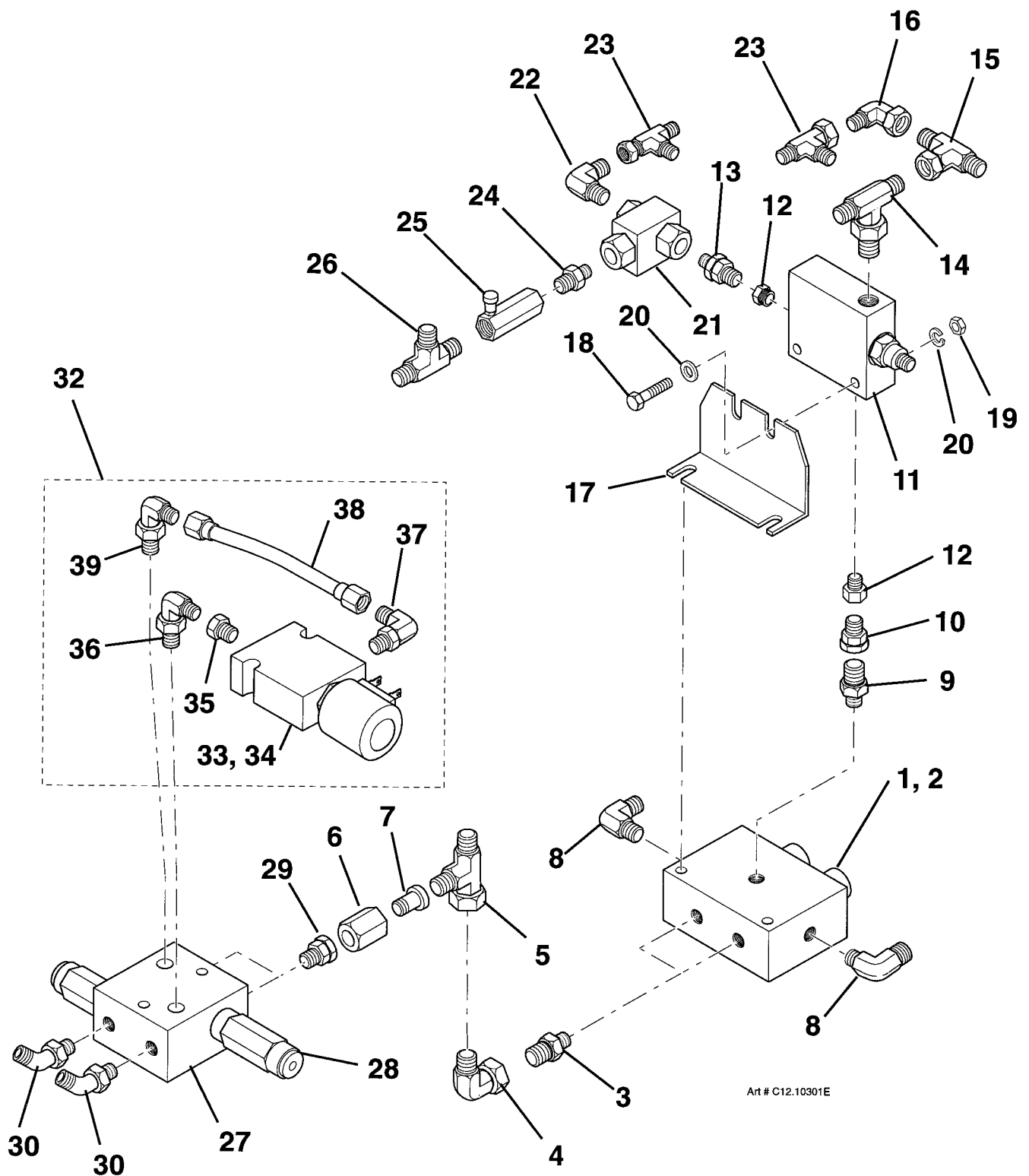
SIMON AERIALS INC.

REV. 12 DEC., 1995

PART
NO.

PLATE
NO. **C12.102**

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	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**

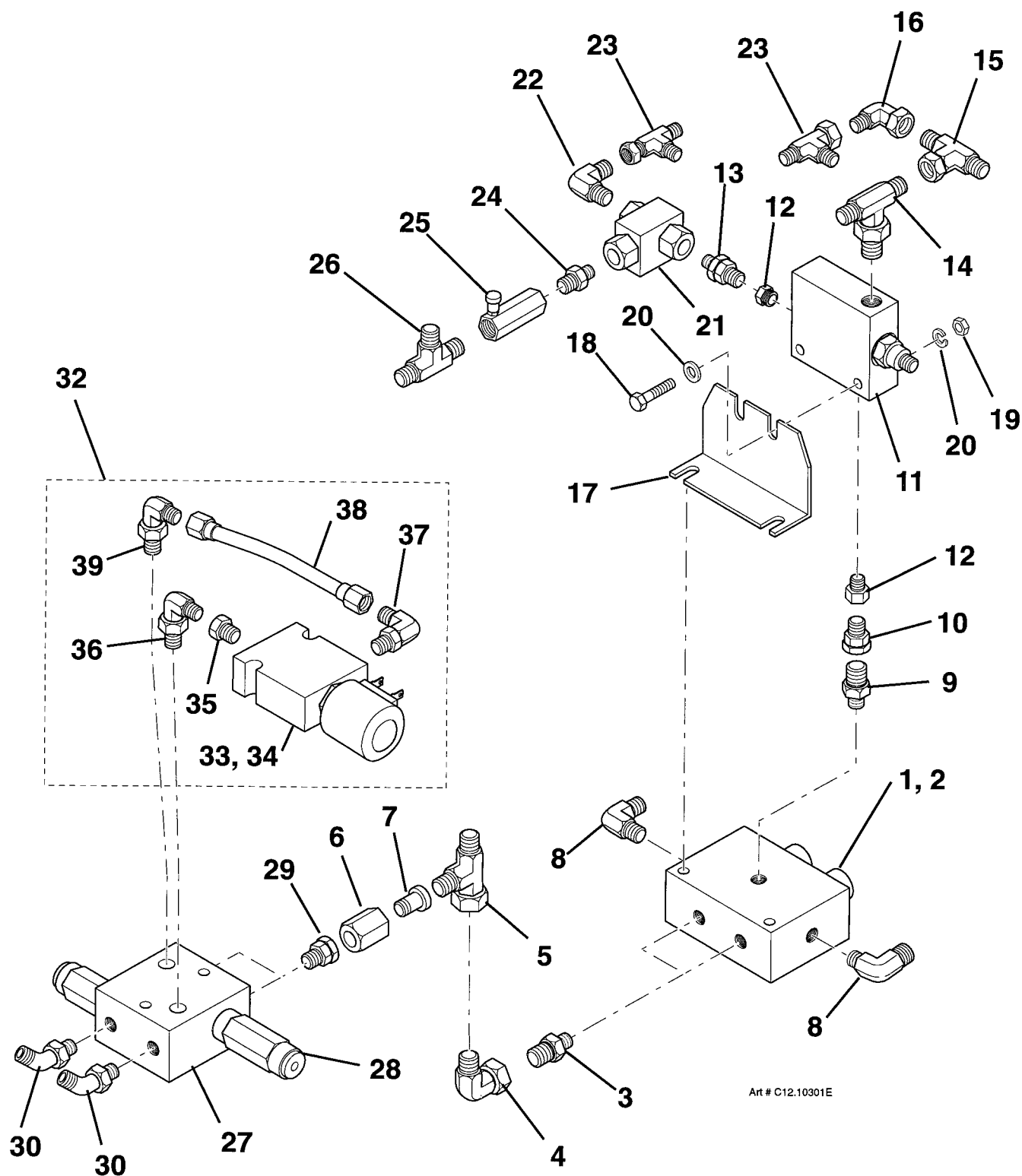
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	55-000190		VALVE KIT, STOP CUSHION	1
33	01-202100		VALVE, SOLENOID (includes non-replaceable coil)	1
34	01-202101		CARTRIDGE, SOLENOID VALVE	1
35	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1
36	230 9710		ELBOW, ORIFICED (modified 6-4 C5OX-S with .082" orifice.)	1
37	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1
38	353 2720		TUBE, FORMED	1
39	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C5OX-S)	1
			The following items are not illustrated here. They are part of Stop Cushion Valve Kit 55-000190, but are not part of Valve Assembly 353 1840 or 354 5440:	
40	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	1
41	03-051600		SOCKET, RELAY (Single pole, Snap mount)	1
42	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item, 20 Ft [6.1 M] required this application)	A.R.
43	03-092300		COUPLING (Nylon, Spade type, female, #14-16 AWG)	2
44	03-045500		GRIP, CORD (1/2", with .31" to .38" seal)	1
45	03-055500		NUT, CONDUIT LOCK (1/2")	1
TITLE MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)				
PLATE NO.	C12.103	SIMON AERIALS INC.		PART NO.
REV. 12 DEC., 1995				

TITLE	MOTION CONTROL VALVE ASSEMBLY (PLATE 2 OF 2)
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PLATE NO.	C12.103	SIMON AERIALS INC.
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REV. 12 DEC., 1995

PART
NO.



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**

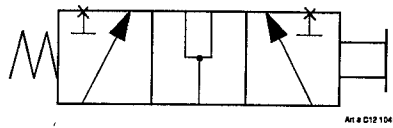
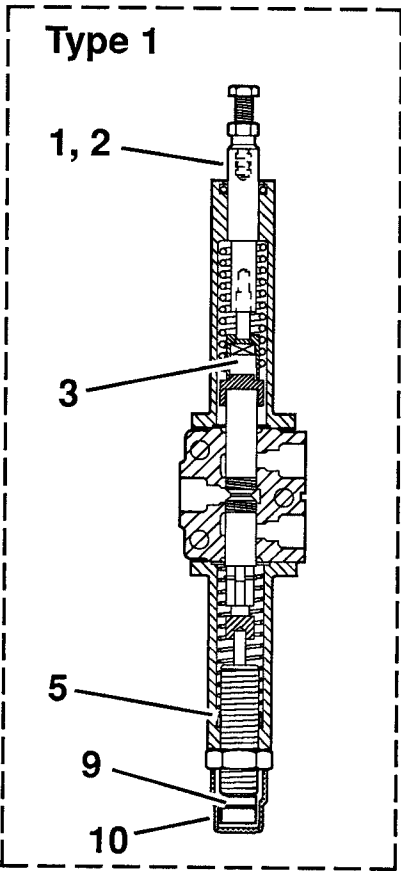
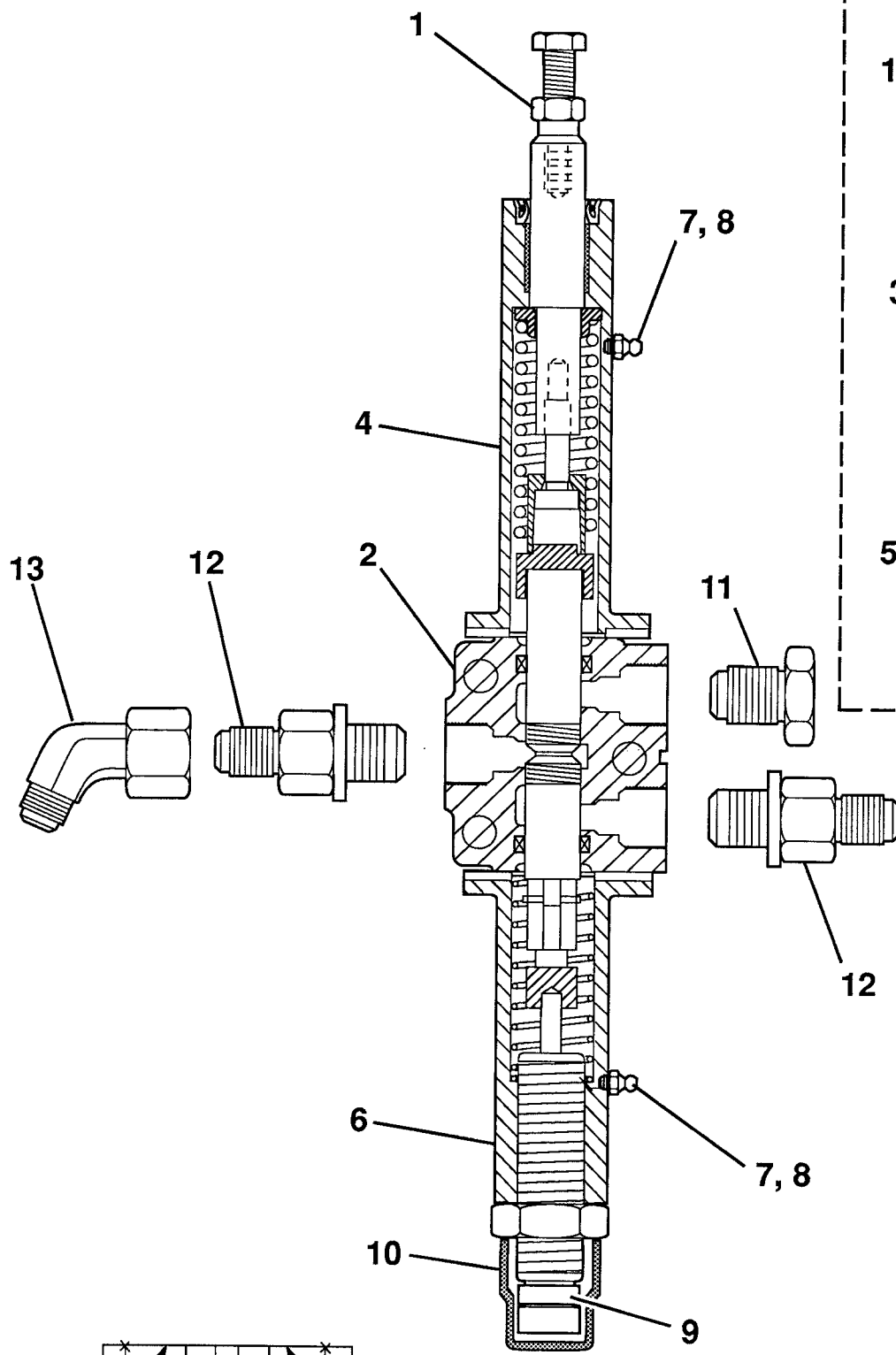
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2316790 2321270		VALVE ASS'Y., BOOM TELESCOPE DIVERter (Modified) Without grease fittings (Type 1). Superceded by Type 2. With grease fittings (Type 2). Supersedes Type 1.	1 1
			Note: When replacing a complete Boom Telescope Diverter Valve Assembly, "Type 2" will be provided.	
2	01-225200		VALVE, BOOM TELESCOPE DIVERter Note: Upper and lower end caps that come with this diverter valve are for the "Type 1" valve assembly. Discard these caps, and use the end caps with grease fittings (see below) for the "Type 2" valve.	1
3	2316780		SPACER (Steel) (for Type 1 Valve only)	1
4	2321280		CAP, END (Upper, for Type 2 Valve only)	1
5	2316770		TUBE, SPACER (Polyethylene) (for Type 1 Valve only)	1
6	2321290		CAP, END (Lower, for Type 2 Valve only)	1
7	08-053100		FITTING, GREASE (1/4"-28, Straight) (for Type 2 Valve)	2
8	08-066300		CAP, GREASE FITTING (White plastic)	2
9	01-227100		SHOCK ABSORBER (includes Jam Nut)	1
10	10-162100		CAP, VINYL	1
11	06-095800		PLUG, HEX SOCKET (VSTI-R 6-ED)	1
			The following items are not included with the Boom Telescope Diverter Valve:	
12	06-000017		CONNECTOR, MALE (8 F40X-S)	2
13	06-053100		45° ELBOW, SWIVEL NUT (8 V6X-S)	1
14	07-008027		CAP SCREW, SOCKET HEAD (5/16"-18 x 1-1/2", Grade 8)	3
TITLE BOOM TELESCOPE DIVERter VALVE, TRAILBLAZER 60				
PLATE NO. C12.104		SIMON AERIALS INC.		PART NO. 2316790
NEW 23 SEP., 1993				

TITLE BOOM TELESCOPE DIVERter VALVE, TRAILBLAZER 60

PLATE NO. C12.104	SIMON AERIALS INC.
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NEW 23 SEP., 1993

PART NO. 2316790



Art # C12.10400E

Art # C12.10401E

TITLE	BOOM TELESCOPE DIVERTER VALVE, TRAILBLAZER 60		
SIMON AERIALS INC.	NEW 23 SEP., 1993	PART NO. 2316790	PLATE NO. C12.104

PARTS LIST

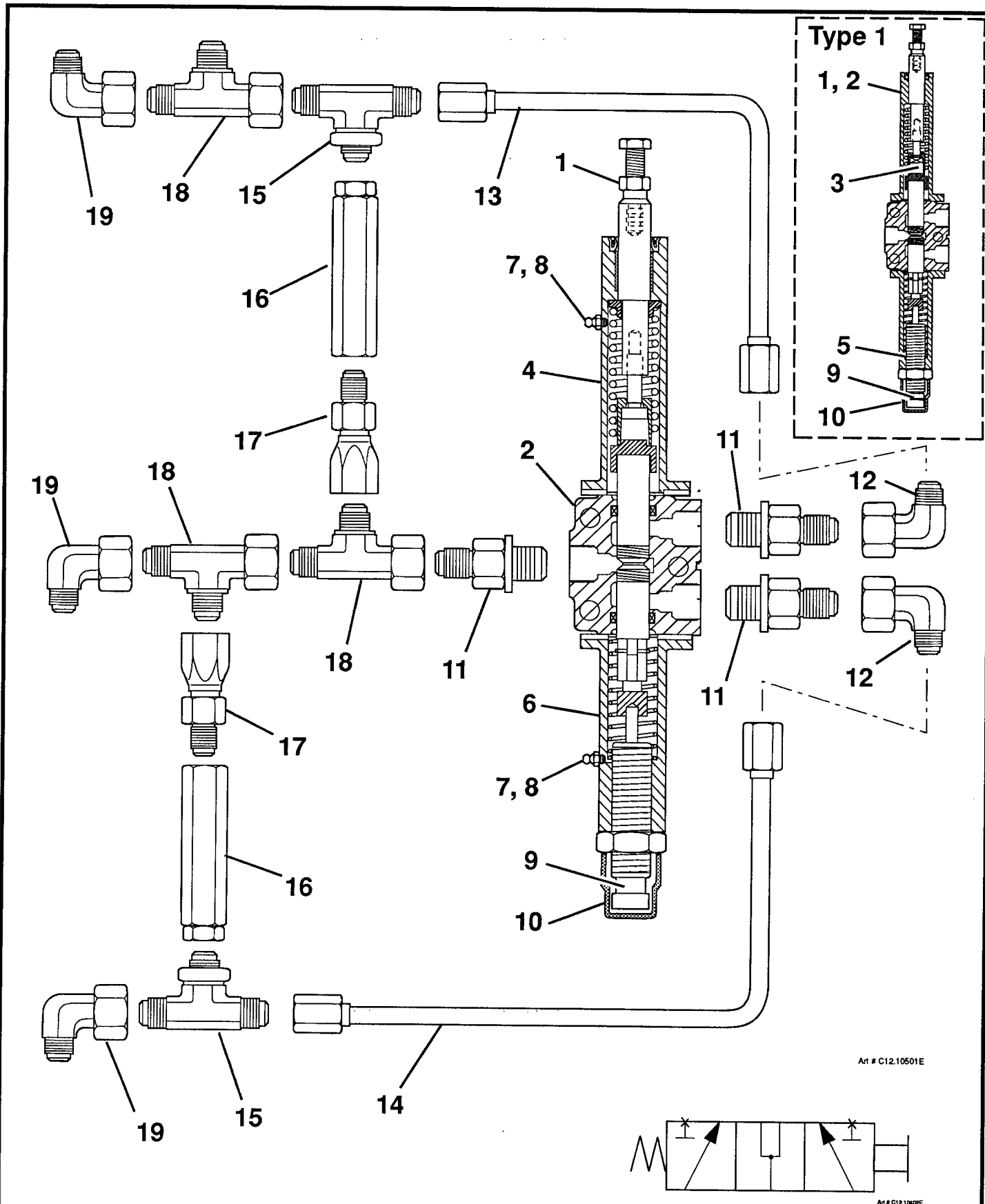
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2316800 2321260		VALVE ASS'Y., BOOM LIFT DIVERTER (Modified) Without grease fittings (Type 1). Superseded by Type 2. With grease fittings (Type 2). Supersedes Type 1.	1 1
			Note: When replacing a complete Boom Lift Diverter Valve Assembly, " Type 2 " will be provided.	
2	01-225100		VALVE, BOOM LIFT DIVERTER Note: Upper and lower end caps that come with this diverter valve are for the " Type 1 " valve assembly. Discard these caps, and use the end caps with grease fittings (see below) for the " Type 2 " valve.	1
3	2316780		SPACER (Steel) (for Type 1 Valve only)	1
4	2321280		CAP, END (Upper, for Type 2 Valve only)	1
5	2316770		TUBE, SPACER (Polyethylene) (for Type 1 Valve only)	1
6	2321290		CAP, END (Lower, for Type 2 Valve only)	1
7	08-053100		FITTING, GREASE (1/4"-28, Straight) (for Type 2 Valve)	2
8	08-066300		CAP, GREASE FITTING (White plastic)	2
9	01-227100		SHOCK ABSORBER (includes Jam Nut)	1
10	10-162100		CAP, VINYL	1
			The following items are not included with the Boom Lift Diverter Valve:	
11	06-000016		CONNECTOR, MALE (6-6 F40X-S)	3
12	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
13	3533730		TUBE ASSEMBLY, HYDRAULIC (Upper)	1
14	3533740		TUBE ASSEMBLY, HYDRAULIC (Lower)	1
15	06-050000		BRANCH TEE, MALE "O"-RING (6-S50X-S)	2
16	01-020800		VALVE, POPPET CHECK (3 PSI)	2
17	06-079000		ADAPTER, SWIVEL NUT (6 F65X-S)	2
18	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	3
19	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	3
20	07-008027		CAP SCREW, SOCKET HEAD (5/16"-18 x 1-1/2", Grade 8)	3

TITLE BOOM LIFT DIVERTER VALVE, TRAILBLAZER 60

PLATE NO. C12.105 SIMON AERIALS INC.

NEW 23 SEP., 1993

PART NO. 2316800



TITLE

BOOM LIFT DIVERTER VALVE, TRAILBLAZER 60

SIMON AERIALS INC.

NEW 23 SEP., 1993

PART
NO.

2316800

PLATE
NO.

C12.105

PARTS LIST

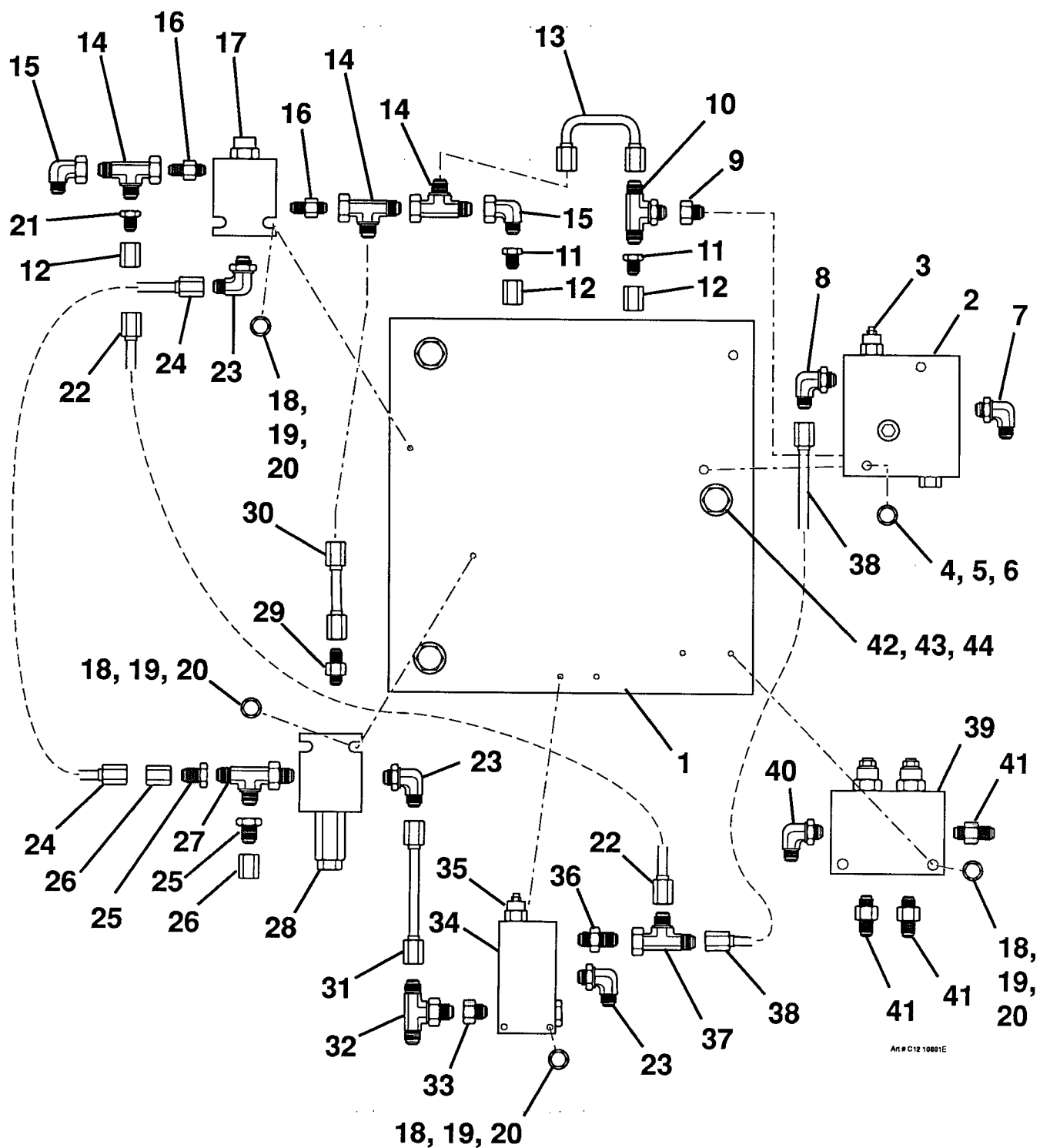
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2313740		PANEL, DIRECTIONAL VALVE First type (obsolete), with studs for mounting of valves.	1
	2313730		Second type (current style). Valves mount with screws.	1
2	01-222900		BODY, SEQUENCE VALVE	1
3	01-222800		CARTRIDGE, SEQUENCE VALVE (set at 2,600 PSI)	1
4	07-003055		CAP SCREW, HEX HEAD (3/8"-16 x 3-1/2", Grade 5) (used with second type mounting panel)	2
5	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2
6	07-062016		WASHER, FLAT (3/8")	A.R.
7	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	1
8	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
9	06-091900		REDUCER/ EXPANDER (16-12 F50 G5-S)	1
10	06-050300		BRANCH TEE (12 S50X-S)	1
11	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2
12	06-057800		NUT, TUBE (12 BTX-S)	3
13	3508875		TUBE ASSEMBLY	1
14	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	3
15	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	2
16	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	2
17	01-219400		VALVE, DIRECTIONAL (Boom telescope dump valve) (2 way, 2 position, normally closed, pilot operated)	1
18	07-003011		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5) (used with second type mounting panel)	4
19	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4
20	07-062014		WASHER, FLAT (1/4")	A.R.
21	06-060700		REDUCER, TUBE END (12-4 TRTX-S)	1
22	3533670		HOSE ASSEMBLY [20" (51 cm) long]	1
23	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	3
24	3533680		HOSE ASSEMBLY [12" (31 cm) long]	1
25	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	2
26	06-057600		NUT, TUBE (8 BTX-S)	2
27	06-048600		RUN TEE, MALE "O"-RING (8 R50X-S)	1
28	01-215800		VALVE, DIRECTIONAL (Boom telescope regeneration valve) (3 way, 2 position, piloted sequence)	1
29	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	1

TITLE VALVE SUBASSEMBLY, TRAILBLAZER 60 (PLATE 1 OF 2)

PLATE NO. C12.106 SIMON AERIALS INC.

NEW 23 SEP., 1993

PART NO. 3532390



TITLE

VALVE SUBASSEMBLY, TRAILBLAZER 60 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 23 SEP., 1993

PART
NO.

3532390

PLATE
NO.

C12.106

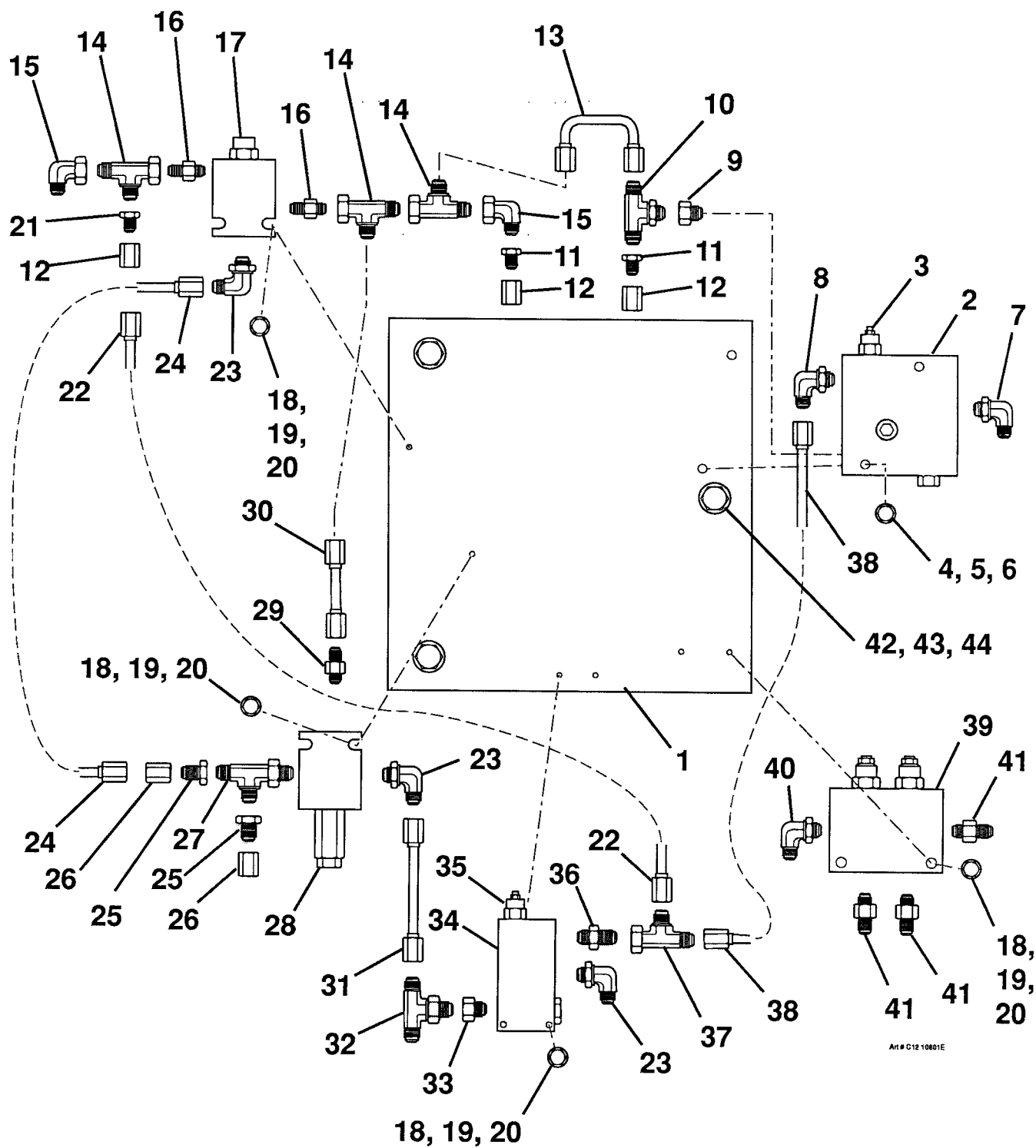
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TITLE VALVE SUBASSEMBLY, TRAILBLAZER 60 (PLATE 2 OF 2)

PLATE NO. C12.106	SIMON AERIALS INC.
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NEW 23 SEP., 1993

PART NO. 3532390



TITLE VALVE SUBASSEMBLY, TRAILBLAZER 60 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 23 SEP., 1993

PART
NO.

3532390

PLATE
NO.

C12.106

PARTS LIST

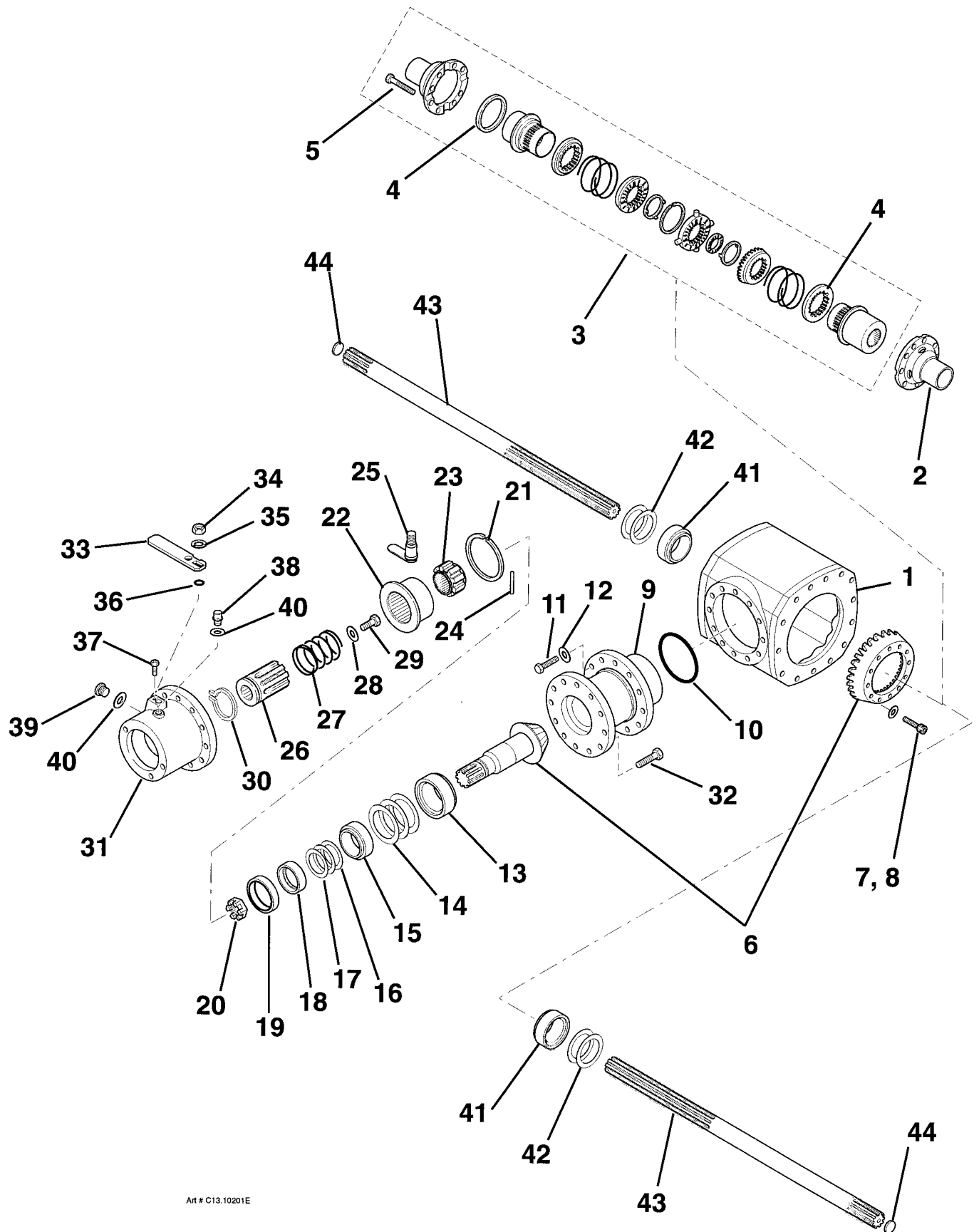
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	• 02-043400 02-039700		AXLE ASSEMBLY, REAR (Type 2) AXLE ASSEMBLY, REAR (superceded by 02-043400) Note: The "Type 2" axle is original equipment on Trailblazer 40 serial numbers APA 00122 and above and all Trailblazer 60's. This axle connects directly to the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

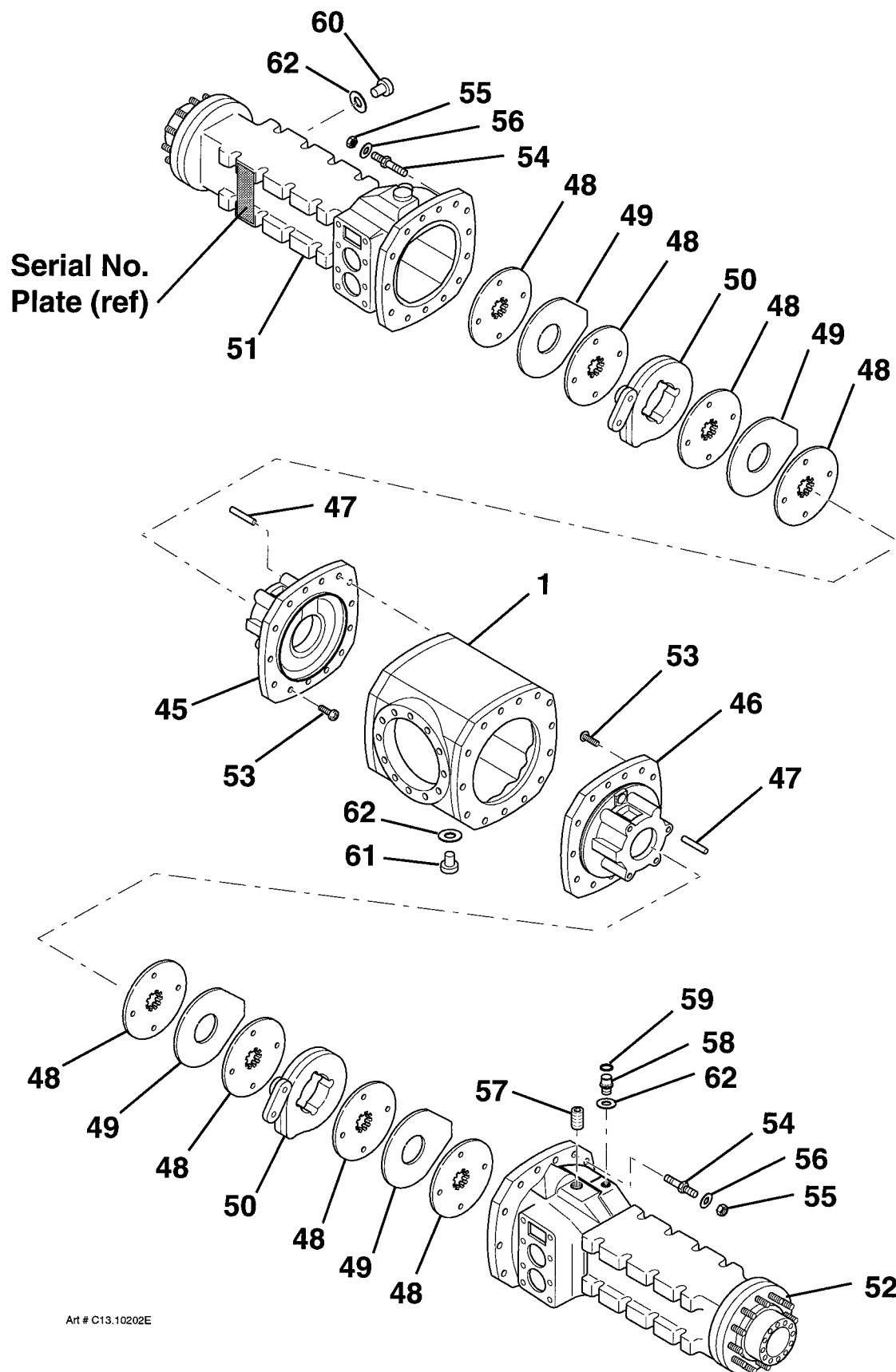
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	02-039764		SPRING	1
28	02-039749		SPACER	1
29			BOLT	1
30	02-039724		RING, RETAINING (Snap ring)	1
31	02-039739		HOUSING, HYDRAULIC MOTOR DISCONNECT	1
32	02-039615		BOLT, PINION FLANGE	18
33	02-039740		LEVER (Hydraulic motor disconnect)	1
34	02-039734		NUT	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.**

REV. 11 MAR., 1994

PART NO.



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

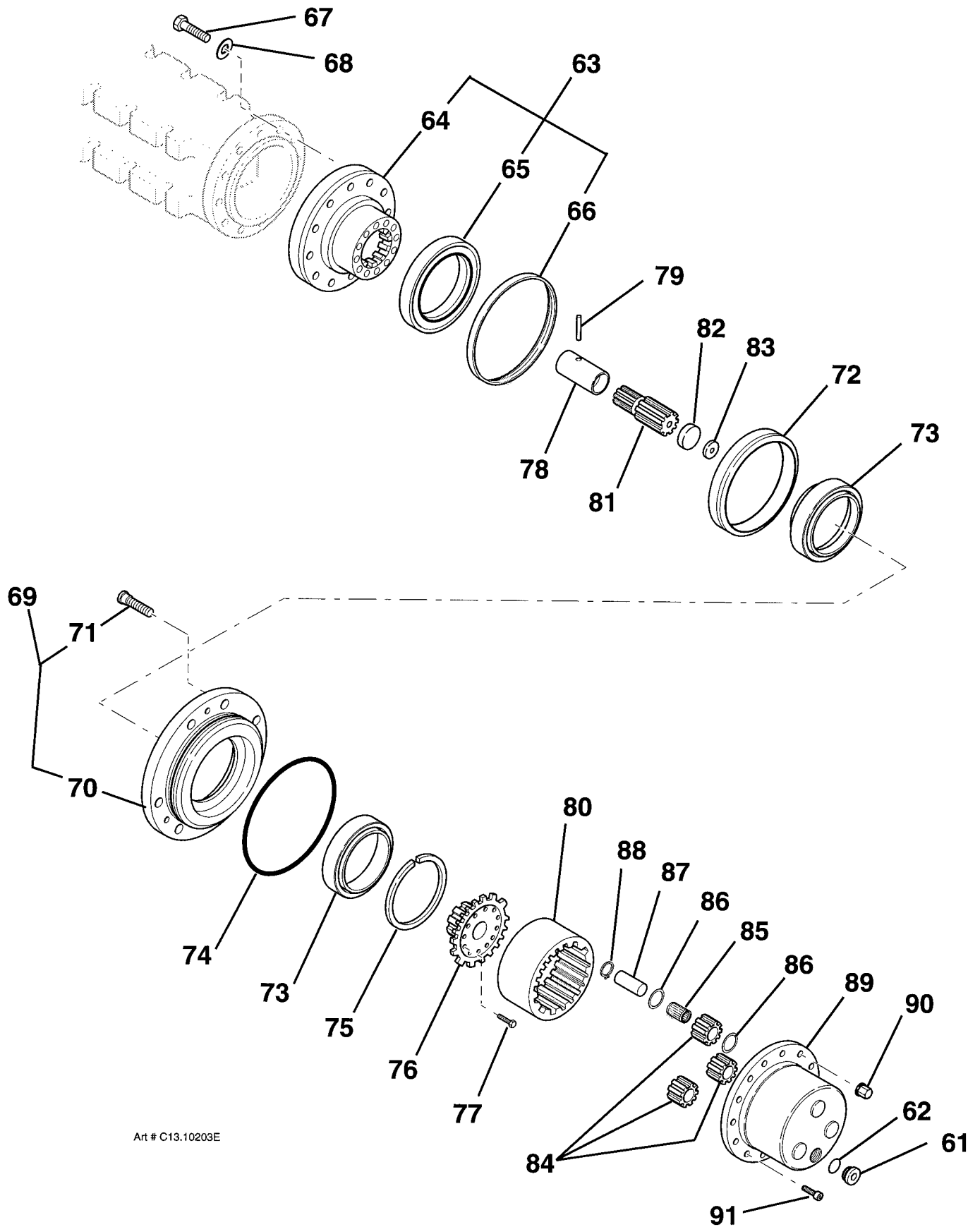
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
63	02-039713		SUPPORT ASSEMBLY, WHEEL HUB	2
64			SUPPORT, WHEEL HUB	1
65	02-039709		RING, OIL SEAL	1
66	02-039710		COVER, DUST	1
67	02-039706		BOLT (Wheel flange) (M 14 x 40 mm)	24
68	02-039678		WASHER (Wheel flange)	24
69			HUB ASSEMBLY, REAR WHEEL (Ref. plate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

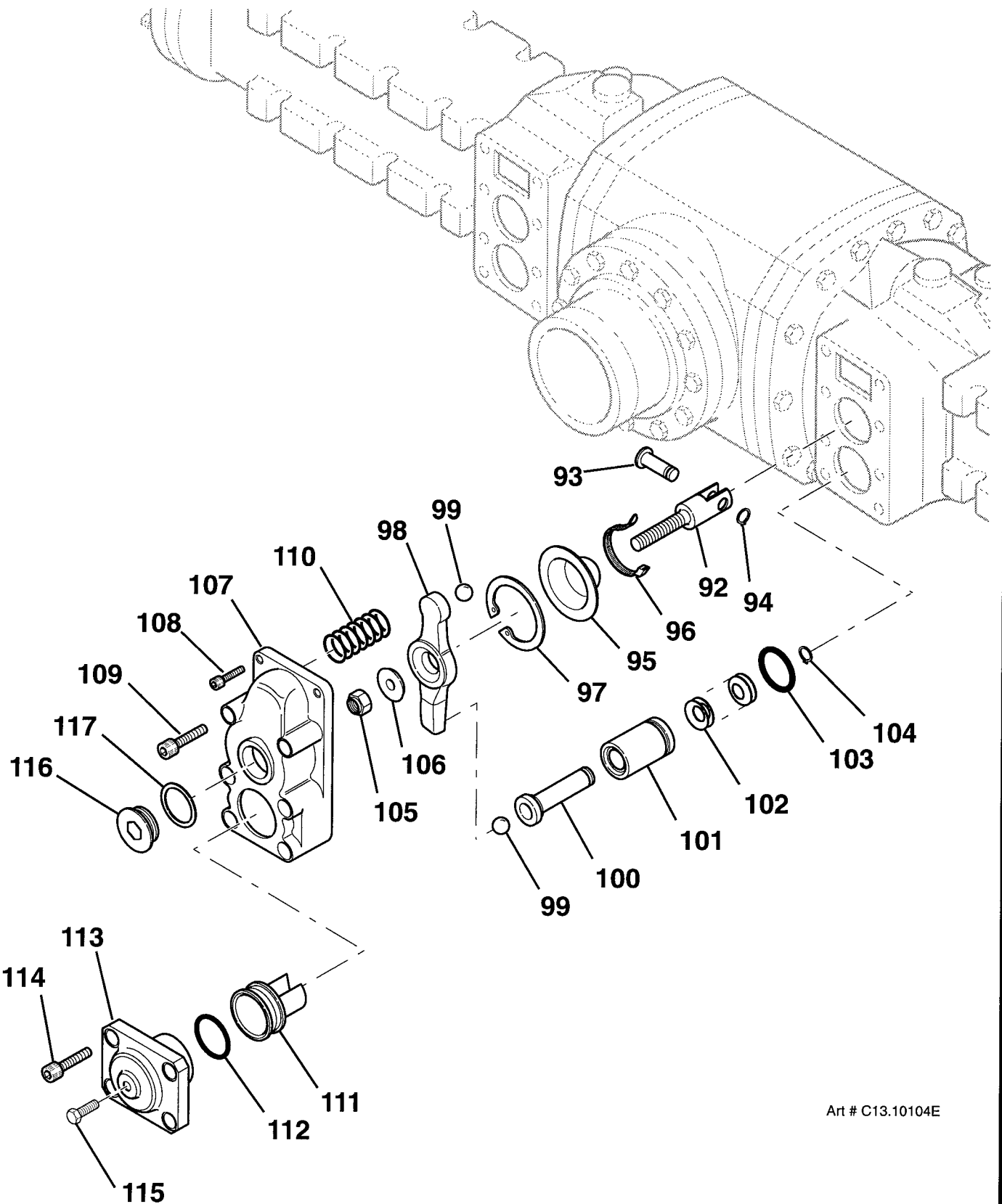
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
92	02-039655		LEVER, BRAKE FORK	2
93	02-039654		PIN, BRAKE PULL	2
94	02-039676		RING, RETAINING (Snap ring)	2
95	02-039653		BOOT, BRAKE (Bellows)	2
96	02-039769		CLAMP, BRAKE (Brake actuator)	2
97	02-039677		RING, RETAINING (Bellows snap ring)	2
98	02-039688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

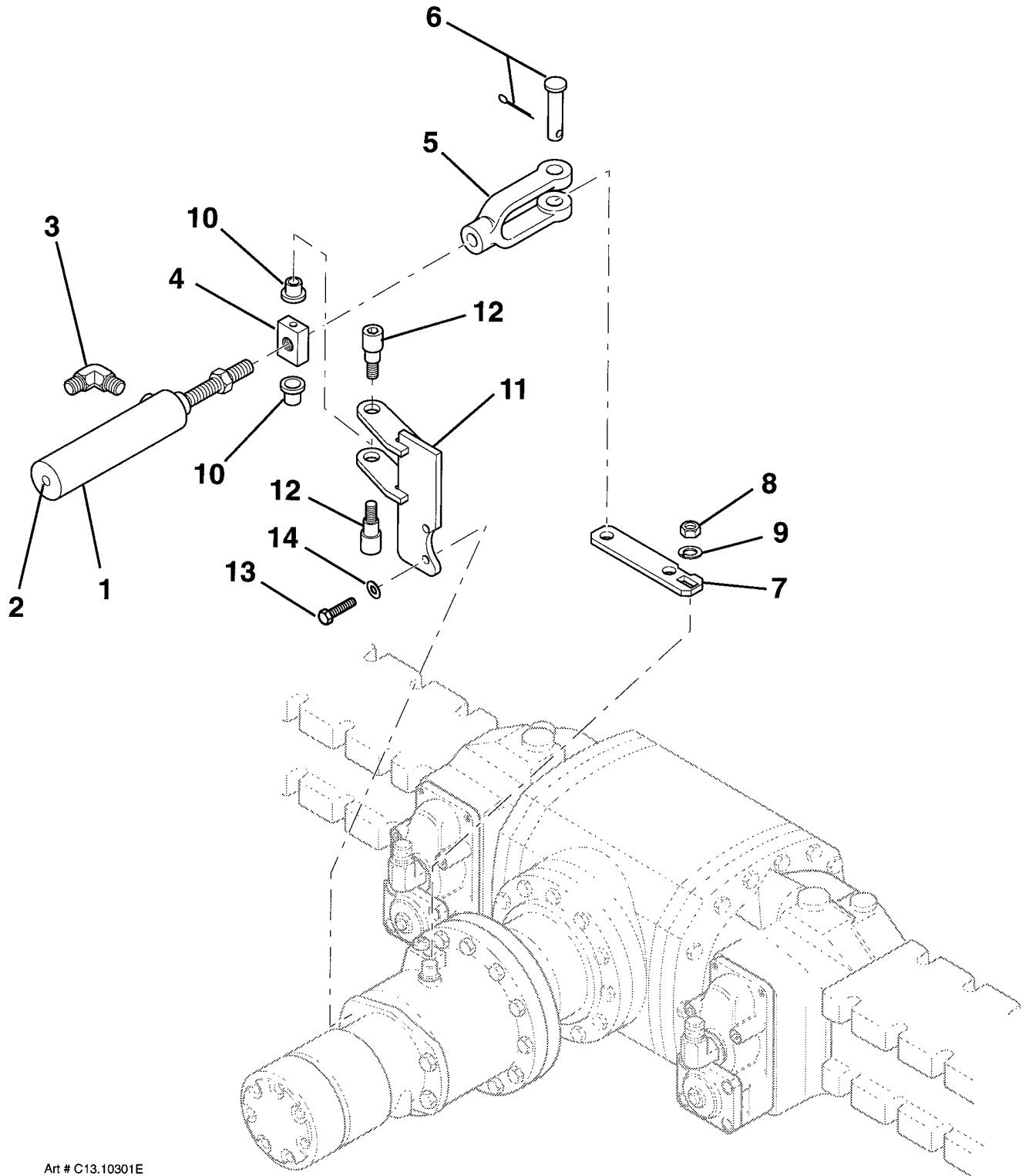
PLATE
NO. C13.102

[illegible]

TITLE	REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY
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PLATE NO. C13.103

PART NO.	3533110
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Art # C13.10301E

TITLE

REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY

SIMON AERIALS INC.

REV. 11 MAR., 1994

PART
NO.

3533110

PLATE
NO.

C13.103

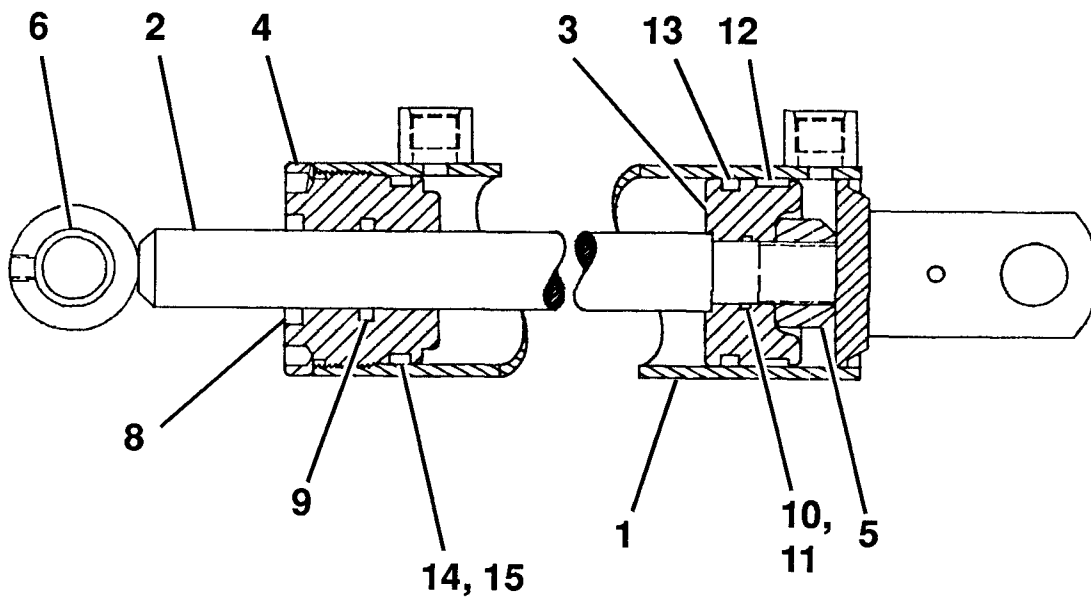
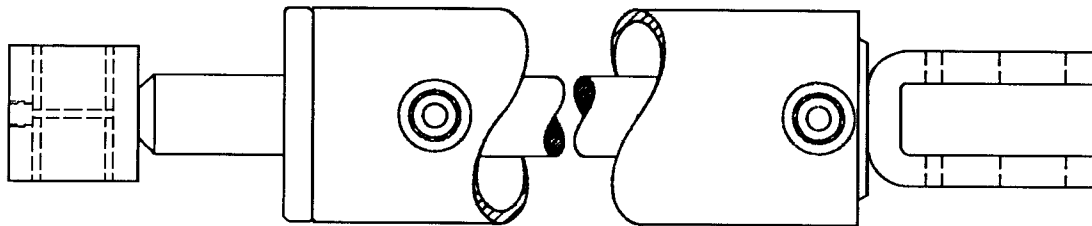
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TITLE		STEER CYLINDER, 10" (25.4 CM) STROKE	
PLATE NO.	D01.101	SIMON AERIALS INC. NEW 07 JAN., 1993	PART NO. 04-035200

PLATE NO. D01.101	SIMON AERIALS INC.	NEW 07 JAN., 1993	PART NO. 04-035200
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PLATE NO. D01.101	SIMON AERIALS INC.	NEW 07 JAN., 1993	PART NO. 04-035200
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PLATE NO.	D01.101	SIMON AERIALS INC.	NEW 07 JAN., 1993	PART NO.	04-035200
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TITLE

STEER CYLINDER, 10" (25.4 CM) STROKE

SIMON AERIALS INC.

NEW 07 JAN., 1993

PART
NO.

04-035200

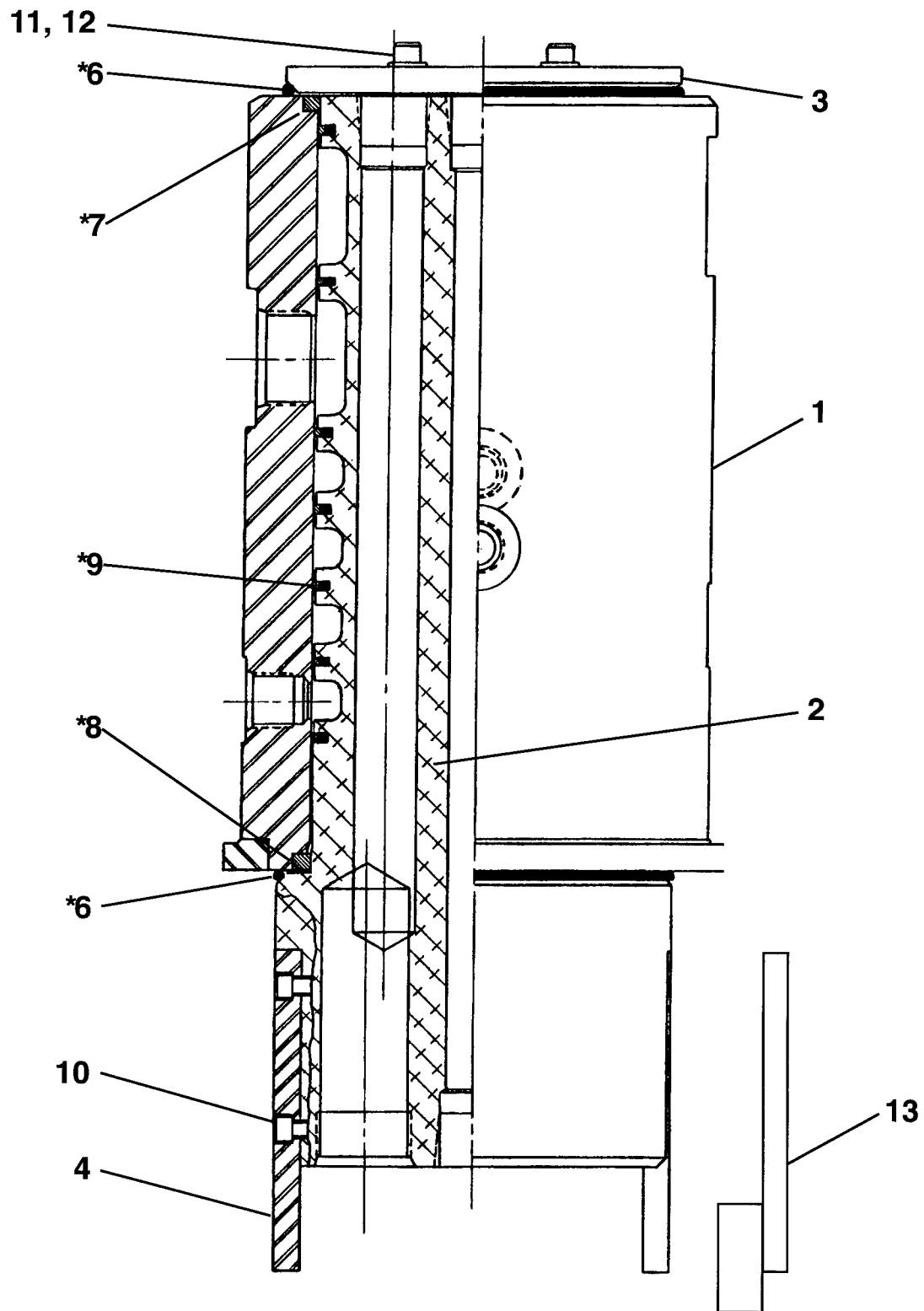
PLATE
NO.

D01.101

[illegible]

PLATE NO.	D02.01	SIMON AERIALS INC.
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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

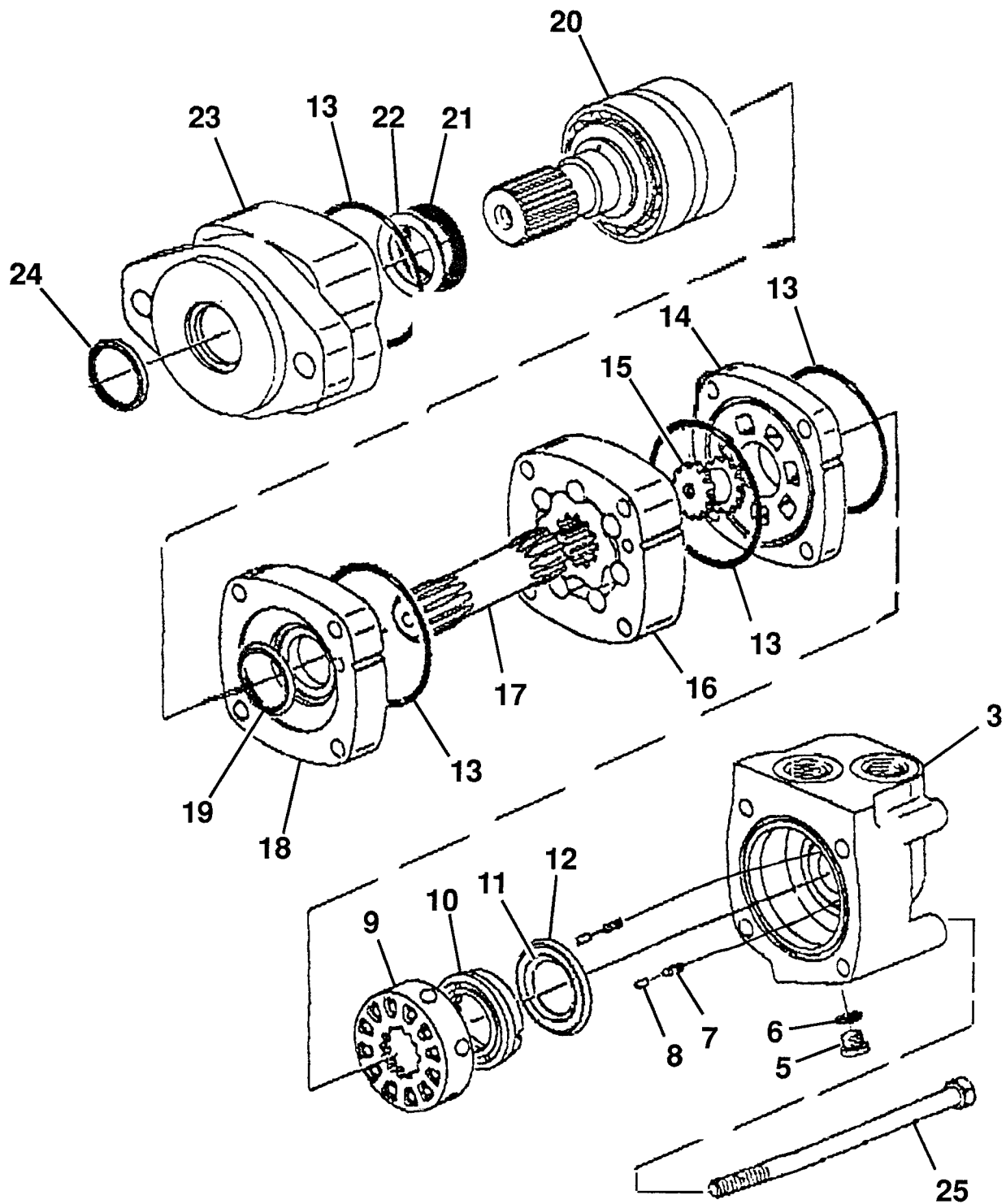
PARTS LIST

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TITLE	WHEEL MOTOR ASSEMBLY (FRONT), TRAILBLAZER 60
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PLATE NO.	D03.103	SIMON AERIALS INC.	NEW 18 OCT., 1993
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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

PARTS LIST

[illegible]

SWING MOTOR, TRAILBLAZER

PLATE NO.	D06.101	SIMON AERIALS INC.	NEW 28 DEC., 1992	PART NO.	01-210200
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Art # A26.07001S

Art # A26.07002S

TITLE

SWING MOTOR, TRAILBLAZER

SIMON AERIALS INC.

NEW 28 DEC., 1992

PART
NO.

01-210200

PLATE NO.	
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D06.101

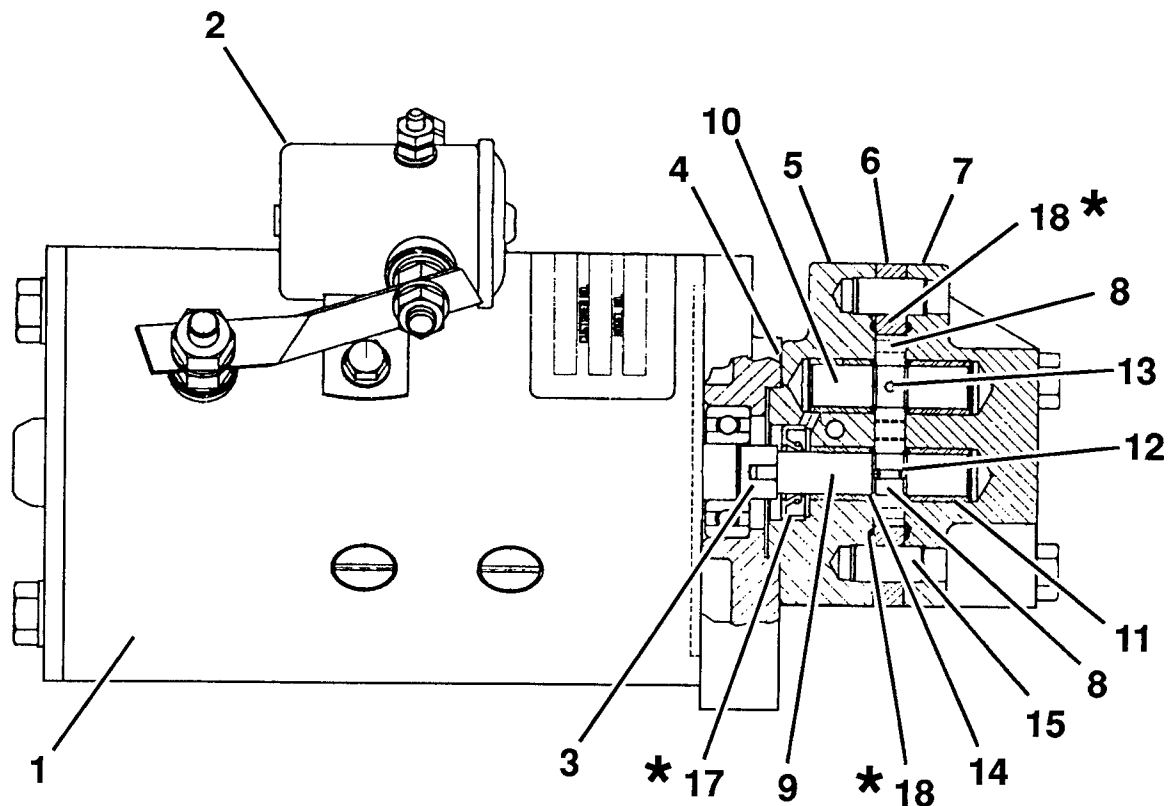
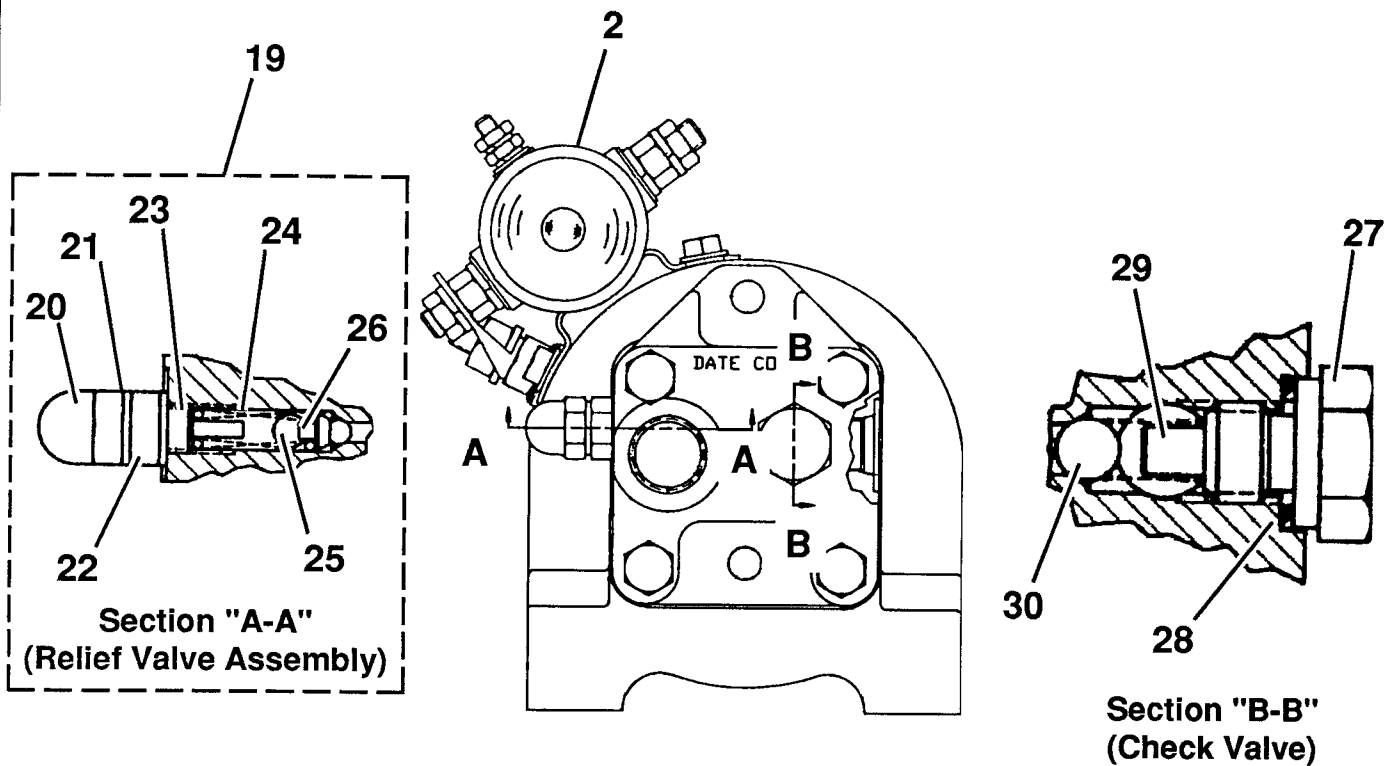
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR, ELECTRIC PUMP	1
2			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.	PART NO.	01-224900
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NEW 08 OCT., 1993



TITLE

EMERGENCY PUMP

SIMON AERIALS INC.

NEW 08 OCT., 1993

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)

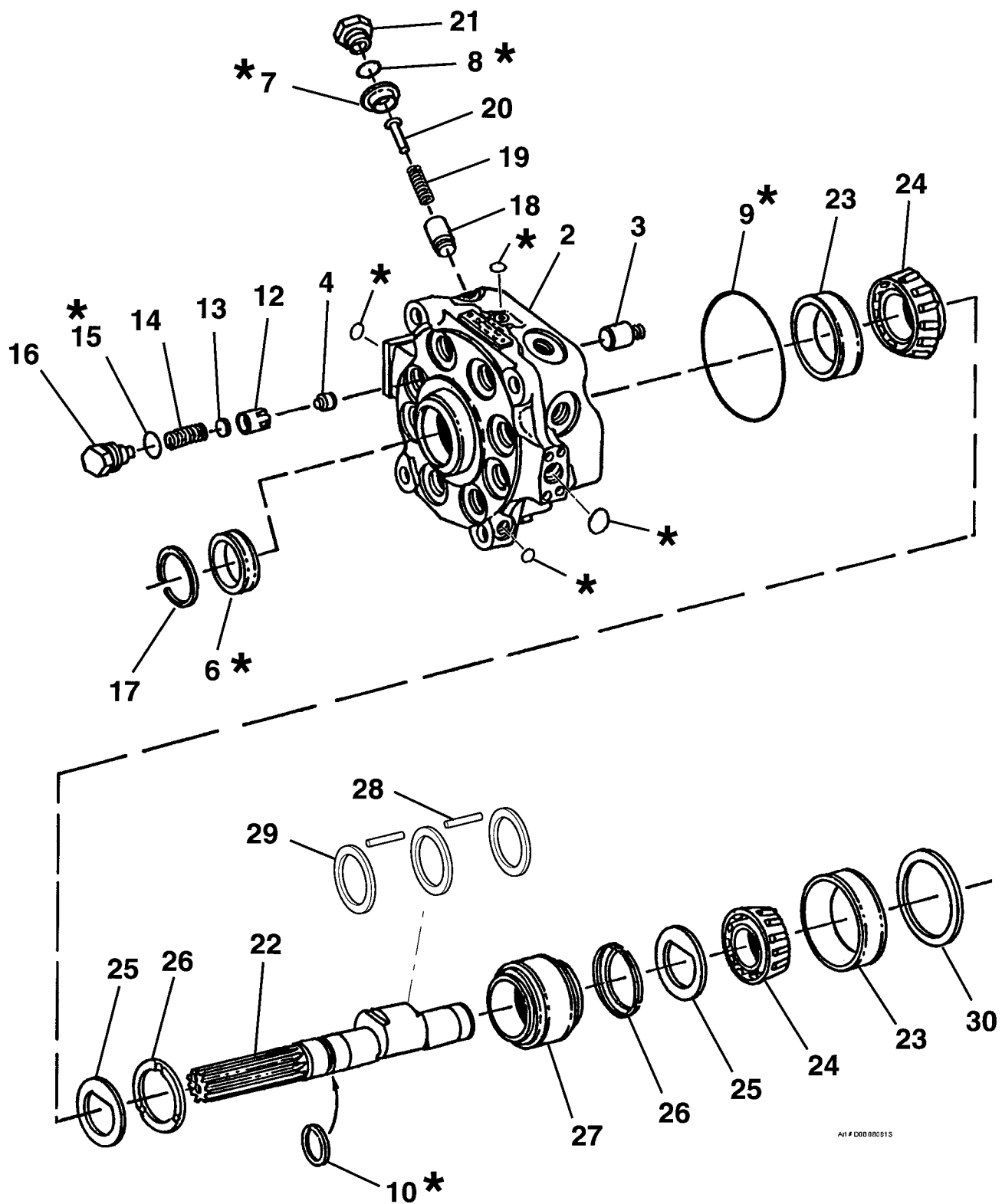
PLATE
NO.

D08.13

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART
NO.



Art # D08 08015

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 17 MAR., 1995

PART
NO.

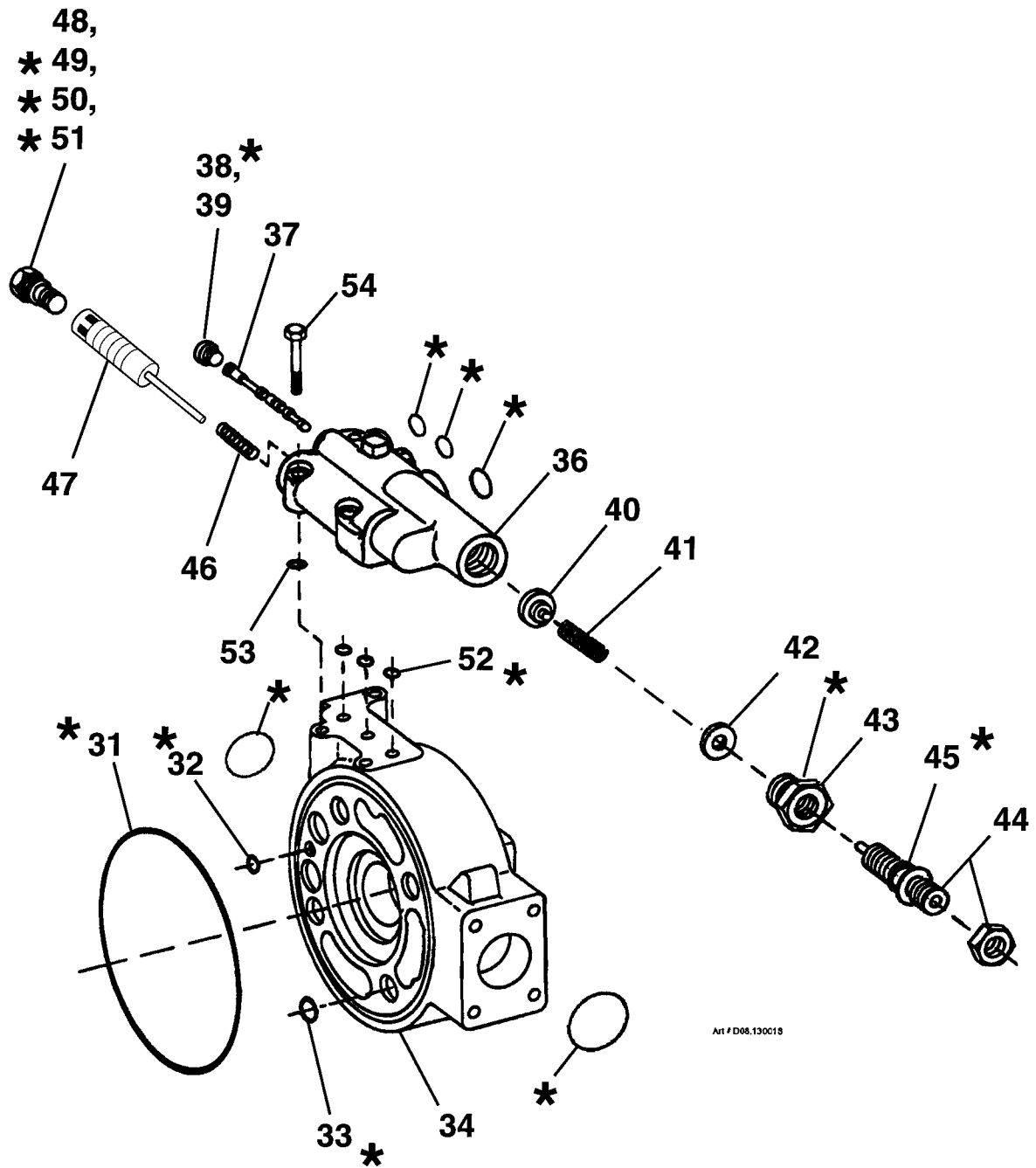
PLATE
NO.

D08.13

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PLATE NO.	D08.13	SIMON AERIALS INC.
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PART
NO.



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

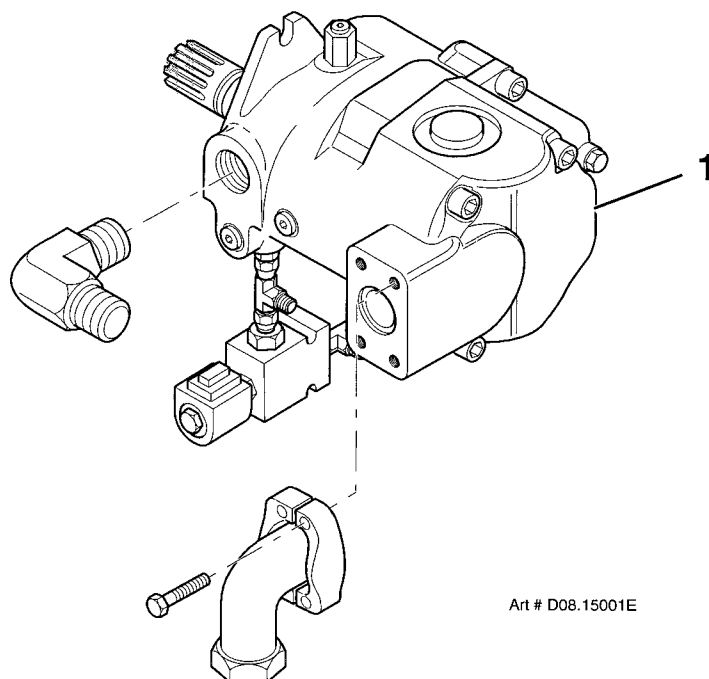
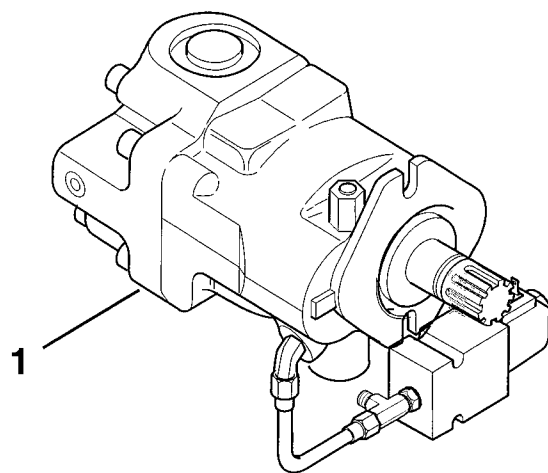
SIMON AERIALS INC.

REV. 17 MAR., 1995

**PART
NO.**

**PLATE
NO.** D08.13

[illegible]PART
NO.



Art # D08.15001E

TITLE

HYDRAULIC PUMP ASSEMBLY

SIMON AERIALS INC.

NEW 24 JAN., 1996

PART
NO.

PLATE
NO. D08.15

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	231 2890		CYLINDER, BOOM LIFT Type 1. Cylinder can be identified by the numbers "427229" and "04037400SH" stamped on a plate on the cylinder case, opposite the tube.	
	04-038800		Type 2. Cylinder can be identified by the numbers "429468A" and either "04037400SH" or "04038800SH" stamped on a plate on the cylinder case, opposite the tube.	
	04-054200		Type 3. Cylinder can be identified by the numbers "04054200SH" stamped on a plate on the cylinder case, opposite the tube.	
			When ordering a replacement cylinder, " Type 3 " will be supplied.	
1			CASE WELDMENT, CYLINDER	1
2	No Part #		ROD WELDMENT, CYLINDER (for " Type 1 " Cylinder)	1
	04-037404		ROD WELDMENT, CYLINDER (for " Type 2 " Cylinder)	1
	No Part #		ROD WELDMENT, CYLINDER (for " Type 3 " Cylinder)	1
3	04-037403		PISTON (for " Type 1 " Cylinder)	1
	04-038802		PISTON (for " Type 2 " Cylinder)	1
	No Part #		PISTON (for " Type 3 " Cylinder)	1
4			GLAND, HEAD	1
5			NUT, LOCK	1
6	04-037402		BUSHING	2
7	04-037401		SEAL KIT (for " Type 1 " or " Type 2 " Cylinder)	1
7	04-054201		SEAL KIT (for " Type 3 " Cylinder)	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	3
11			"O"-RING	1
12			RING, BACKUP	1
13			RING, PISTON WEAR	2
14			"O"-RING	1
15			SEAL, PISTON	1
16			"O"-RING	1
17			WASHER, BACKUP	1
18			SPACER (for " Type 2 " Cylinder)	1
19			VALVE, COUNTERBALANCE (pre-set at 3,900 PSI [268.9 Bar] [274.2 Kg/ cm ²])	1
	04-035003		for " Type 1 " Cylinder. Valve is stamped "CBCA-LHN"	
	04-038801		for " Type 2 " or " Type 3 " Cylinder. Stamped "CBCA-CHN"	

TITLE

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

PLATE NO.

D09.102

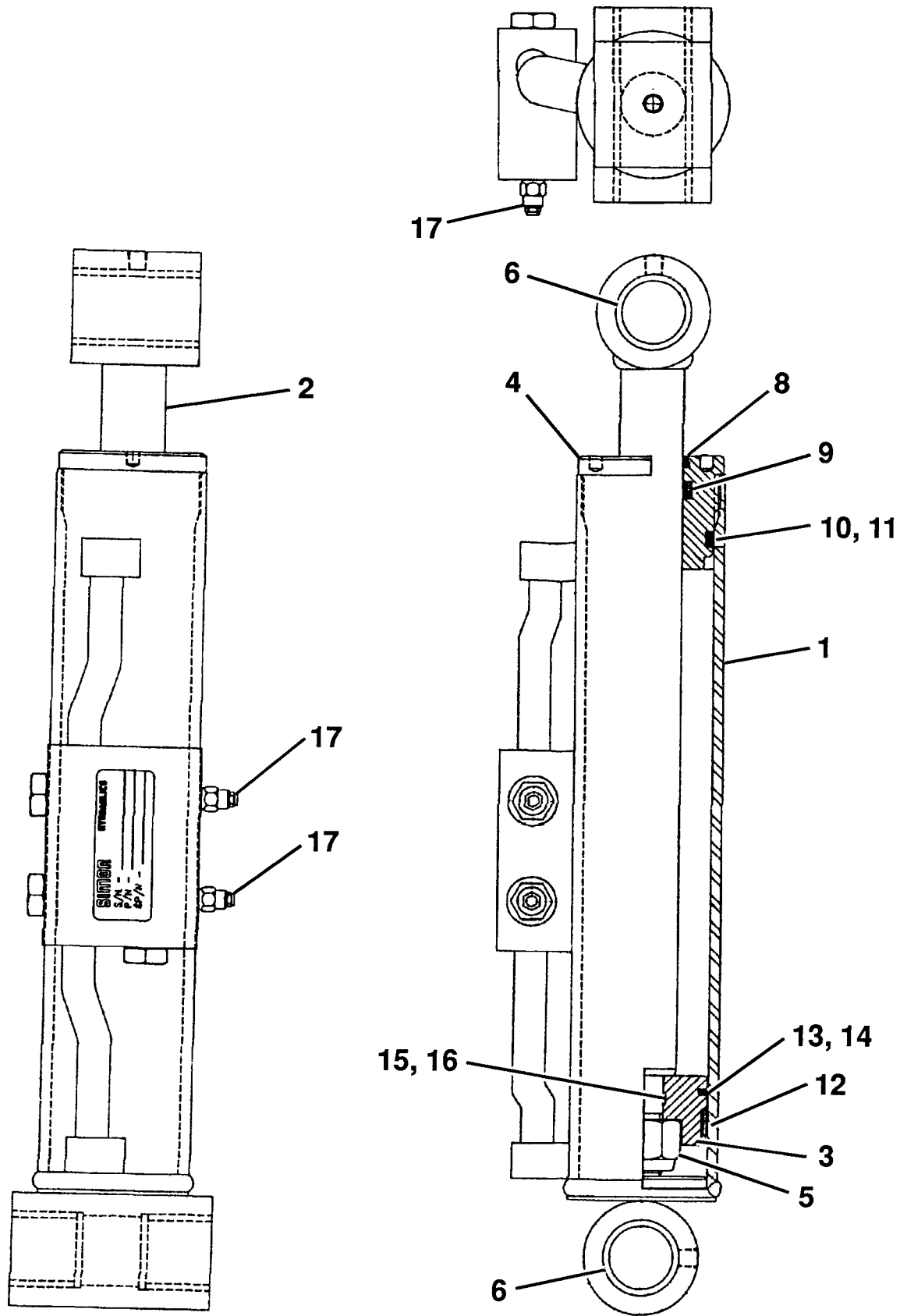
SIMON AERIALS INC.

REV. 16 FEB., 1996

PART NO.

[illegible]

PLATE NO.	D10.101	SIMON AERIALS INC.	NEW 03 DEC., 1992	PART NO.	04-032600
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TITLE

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

SIMON AERIALS INC.

NEW 03 DEC., 1992

PART
NO.

04-032600

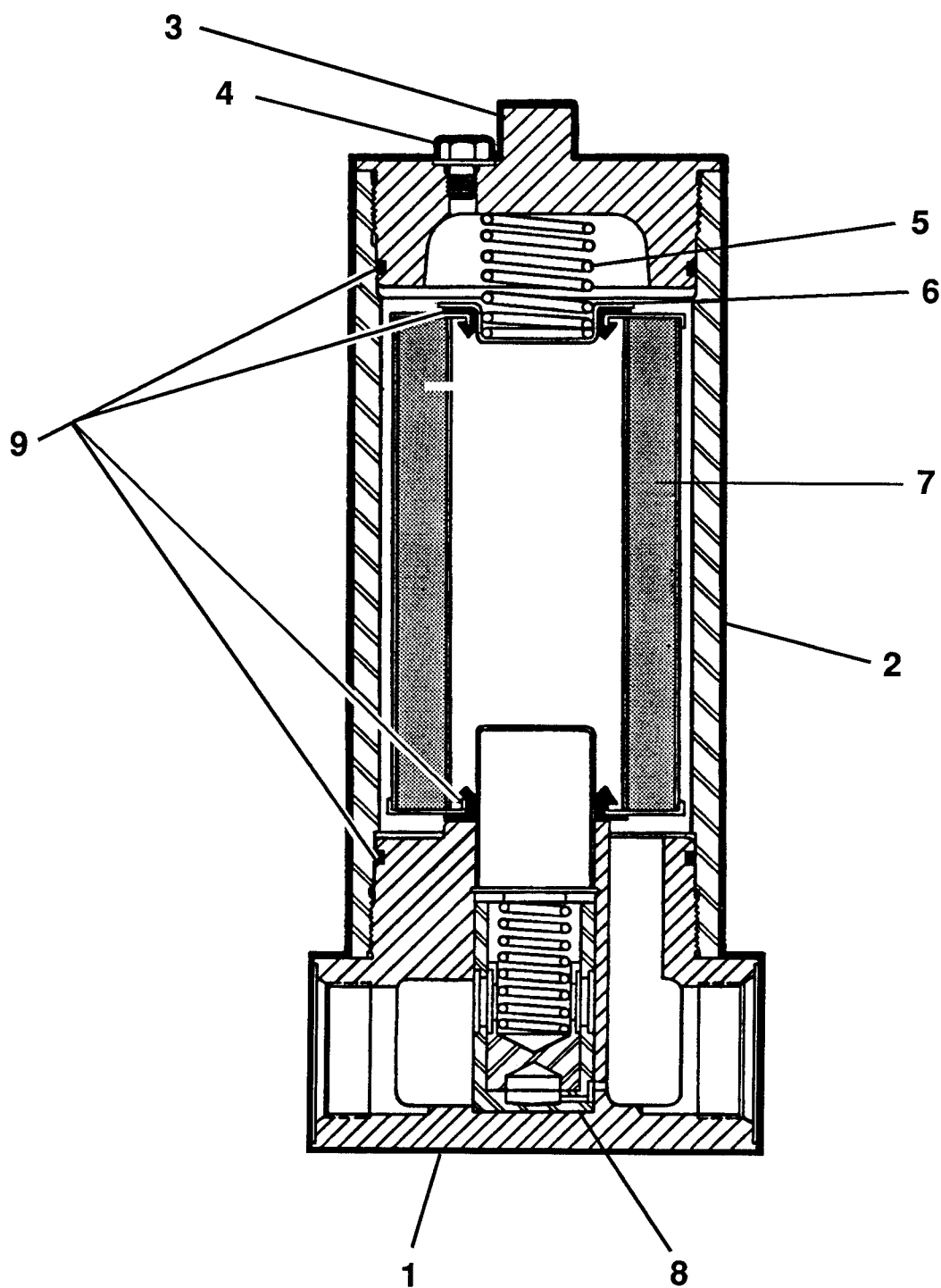
PLATE
NO.

D10.101

[illegible]

HIGH PRESSURE FILTER

PLATE NO.	D11.03	SIMON AERIALS INC.	REV. 06/25/91	PART NO.	01-014000
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TITLE

HIGH PRESSURE FILTER

SIMON AERIALS INC.

REV. 06/25/91

PART
NO.

01-014000

PLATE
NO.

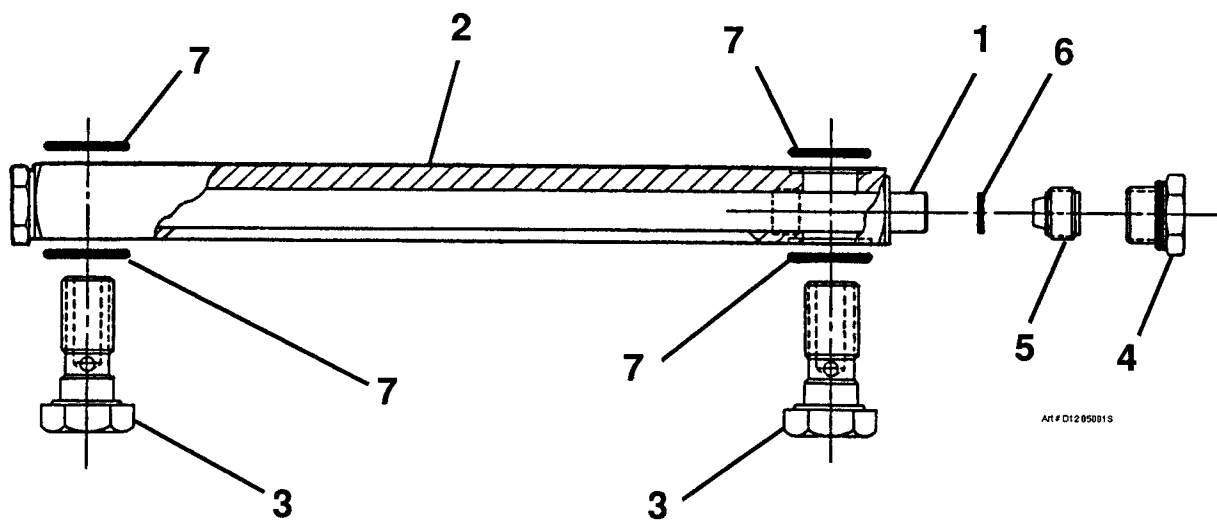
D11.03

[illegible]

SIGHT GAUGE, 14"

REV. 05/02/91

PART NO. 10-033800



TITLE

SIGHT GAUGE, 14"

SIMON AERIALS INC.

REV. 05/02/91

PART
NO.

10-033800

PLATE
NO.

D12.05

PARTS LIST

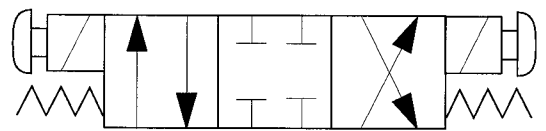
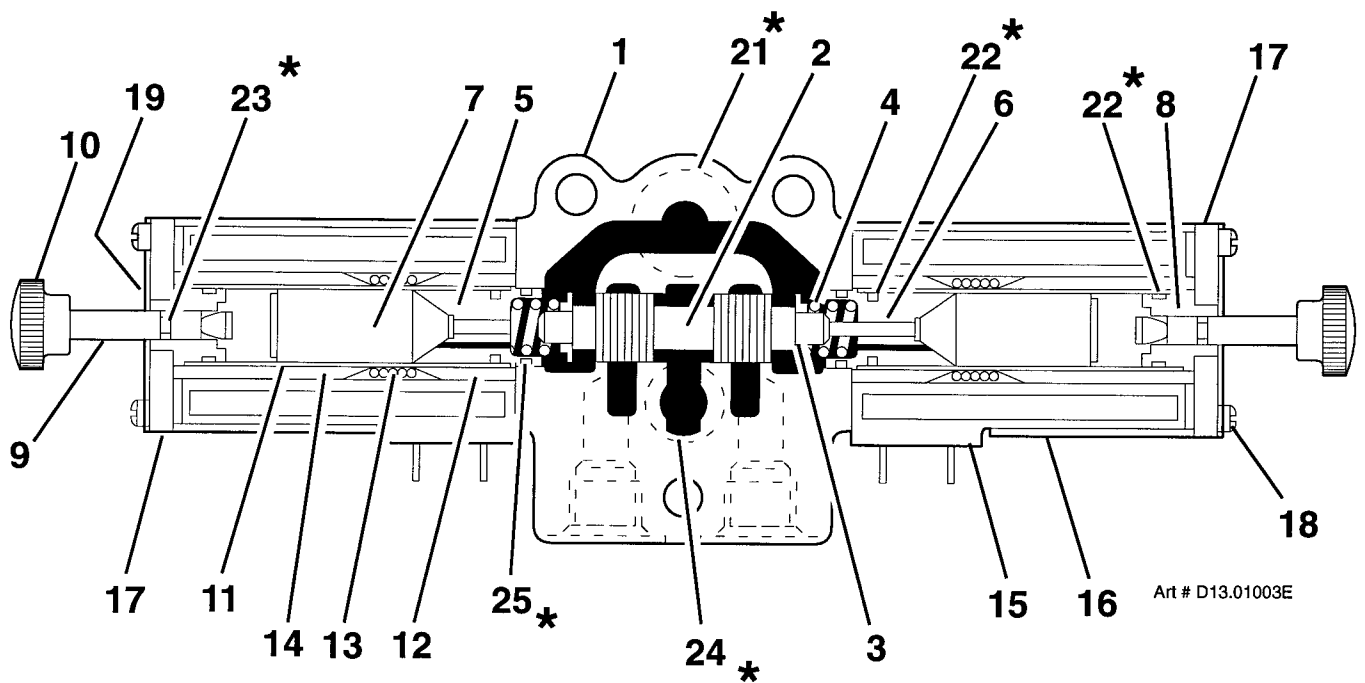
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			BODY, VALVE	1
2	01-031707		SPOOL, VALVE	1
3	01-031704		SEAT, SPRING (Hat washer)	2
4	01-031714		SPRING	2
5	01-031725		CONE, FEMALE	2
6	01-031719		PIN, PUSH	2
7	01-031721		PLUNGER	2
8	01-031722		GUIDE, ACTUATOR PIN	2
9	01-031706		PIN, ACTUATOR	2
10	01-031705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

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

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

REV. 20 SEP., 1995

PART NO. 01-031700



Art # D13.01002E

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

[illegible]

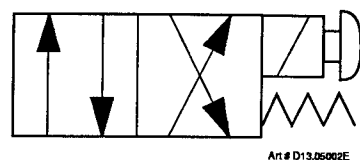
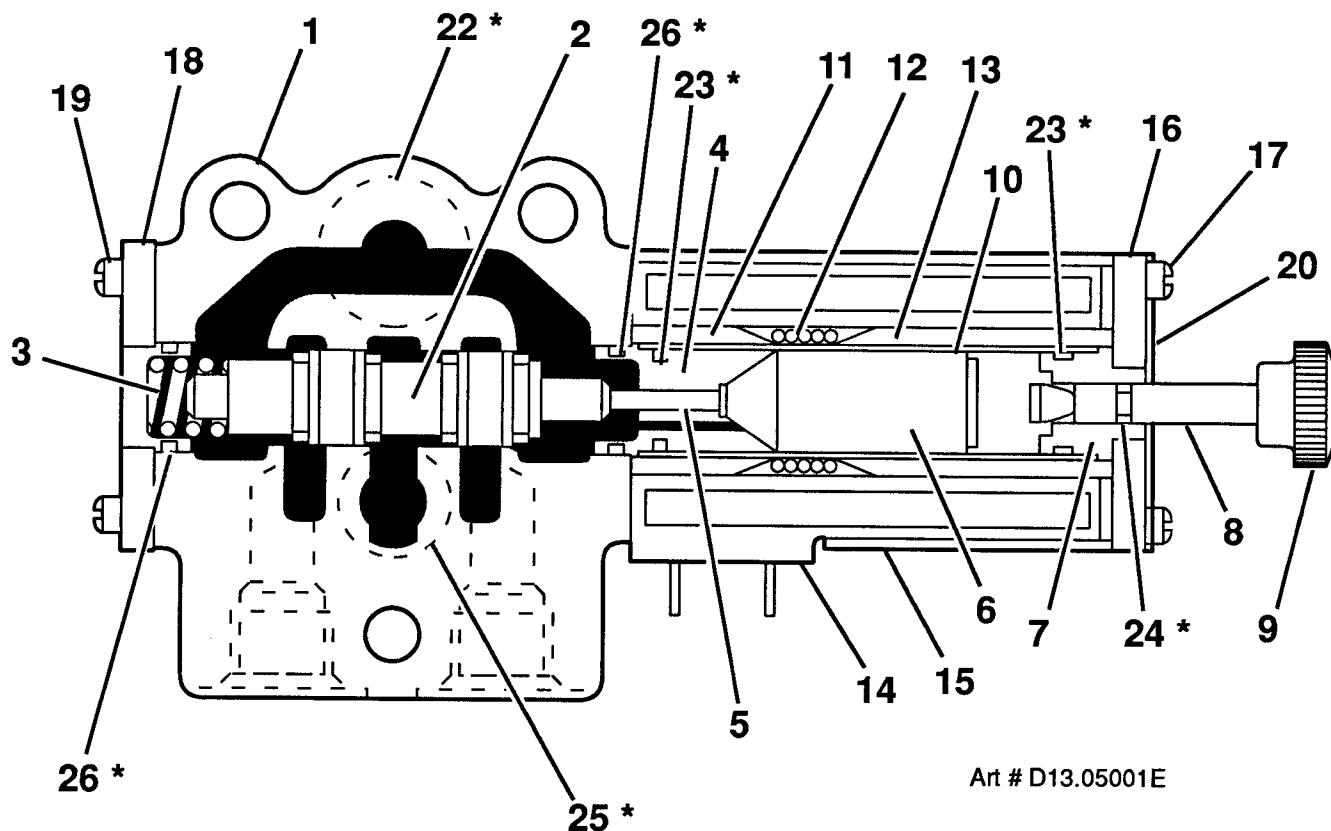
PLATE NO.	D13.02	SIMON AERIALS INC.
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PART NO. 01-031800

[illegible]

4-WAY, 2 POSITION SOLENOID VALVE

01-061900



TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 06/24/91

PART
NO.

01-061900

PLATE
NO.

D13.05

PARTS LIST

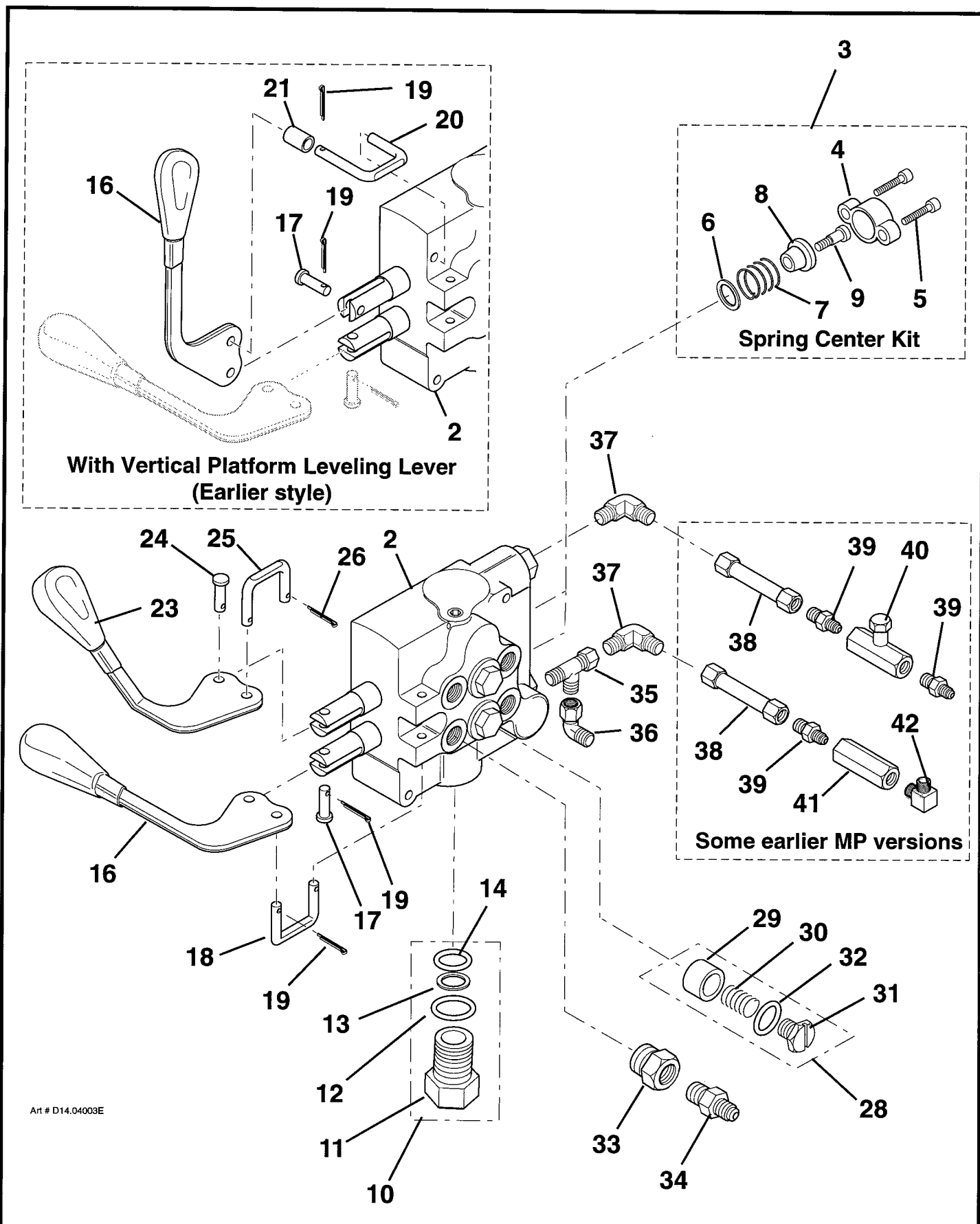
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	352 4590		VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL for MP Series except MP 110	1
	352 4590		for RP "Reach Plus" except RP 120	
	353 0750		for Model MP 110, RP 120 "Reach Plus", or Trailblazer 40: Early style (Platform leveling lever is mounted vertically)	
	353 1480		Later style (Platform leveling lever is bent 45° upward)	
	353 3920		for Trailblazer 60	
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.**

REV. 29 NOV., 1995

PART NO.



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

SIMON AERIALS INC.

REV. 29 NOV., 1995

**PART
NO.**

**PLATE
NO.** D14.04

PARTS LIST

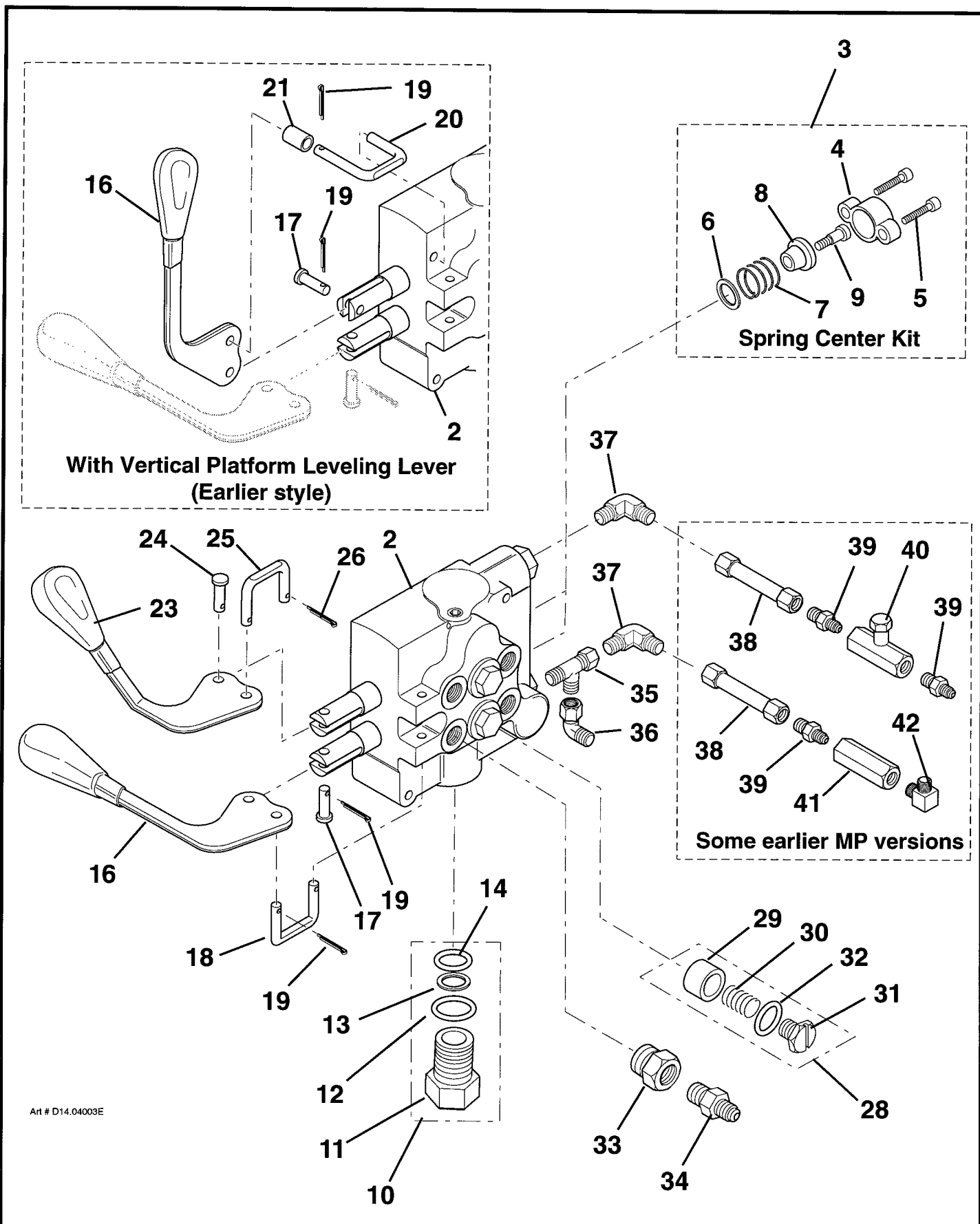
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Valve assembly 218 1260 or 230 0610:	
27	01-207101		SEAL KIT	1
28			VALVE KIT, LOAD CHECK (used in some applications)	2
29			POPPET, LOAD CHECK	1
30			SPRING	1
31			PLUG, HEX HEAD	1
32			"O"-RING	
33			FITTING, ORIFICED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

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

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

REV. 29 NOV., 1995

PART
NO.



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

SIMON AERIALS INC.

REV. 29 NOV., 1995

**PART
NO.**

**PLATE
NO.** D14.04

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-072400 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.

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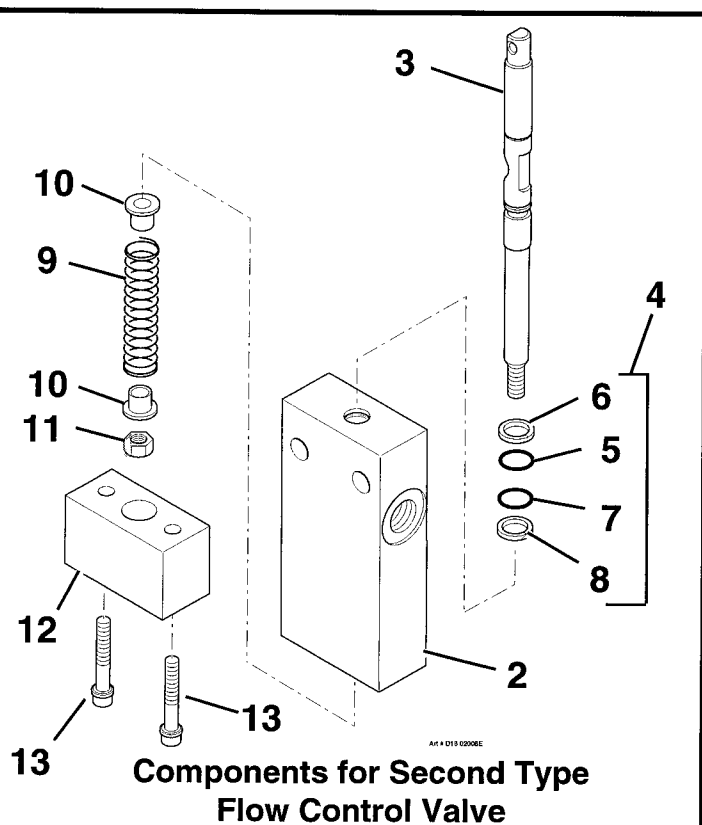
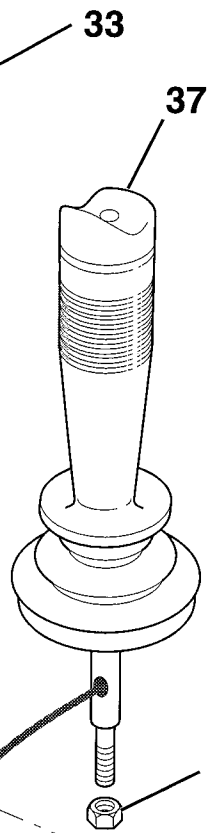
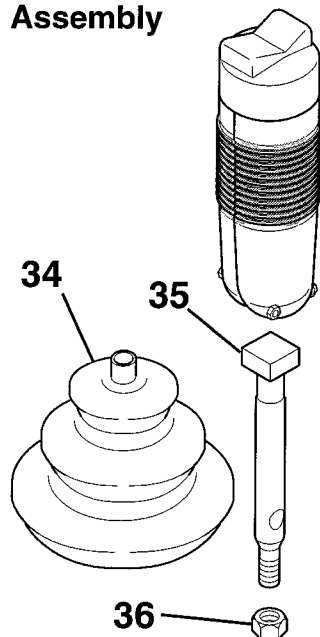
D18.02

SIMON AERIALS INC.

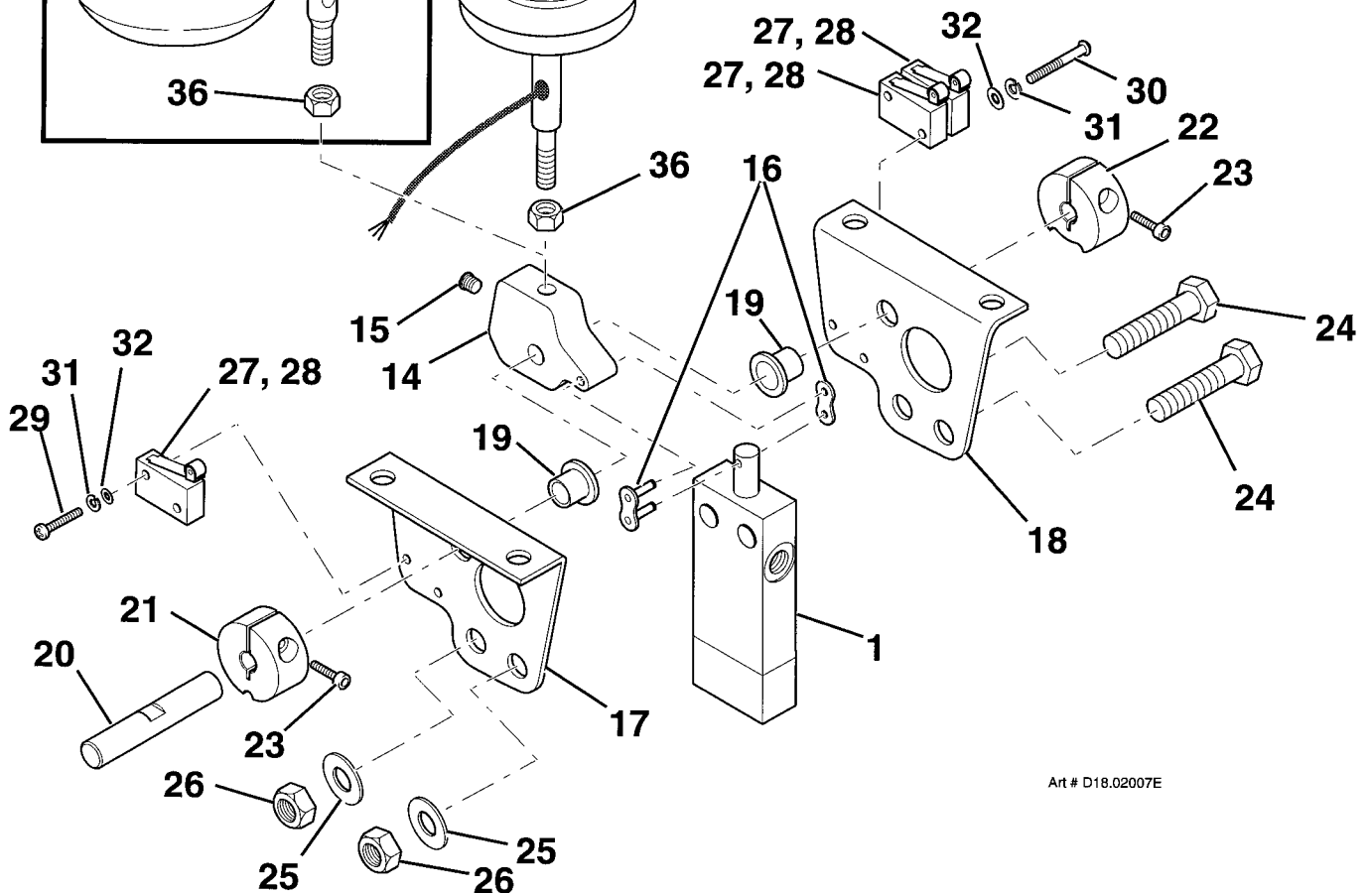
REV. 16 JAN., 1996

PART
NO.

Earlier Style Handle Assembly



Components for Second Type Flow Control Valve



Art # D18.02007E

TITLE

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

SIMON AERIALS INC.

REV. 16 JAN., 1996

PART
NO.

PLATE
NO. D18.02

PARTS LIST

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

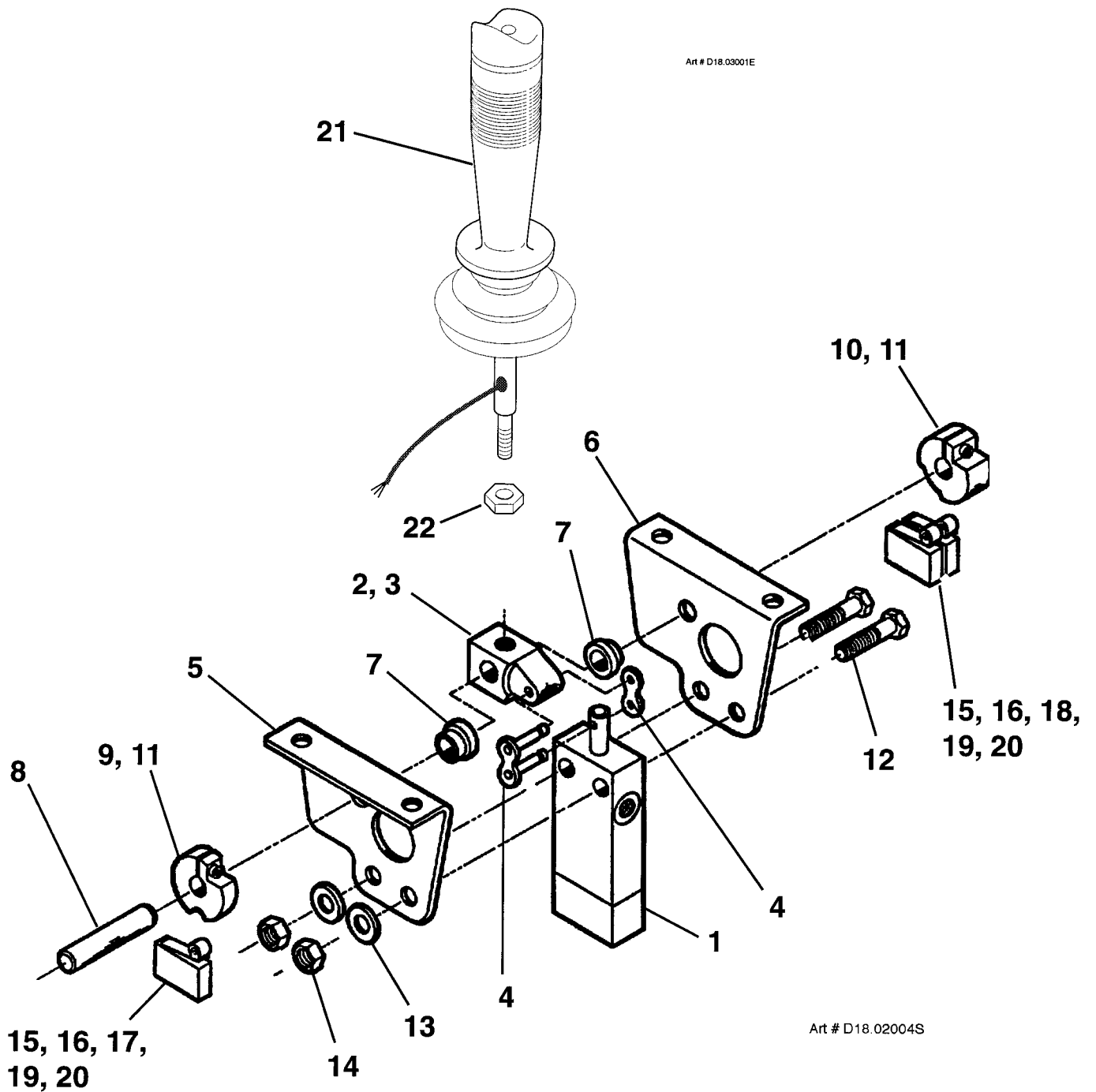
TITLE DRIVE CONTROL VALVE ASSEMBLY

PLATE NO. **D18.101** **SIMON AERIALS INC.**

REV. 21 MAR., 1994

PART NO.

Art # D18.03001E



Art # D18.02004S

TITLE

DRIVE CONTROL VALVE ASSEMBLY

SIMON AERIALS INC.

REV. 21 MAR., 1994

PART
NO.

PLATE
NO. D18.101

PARTS LIST

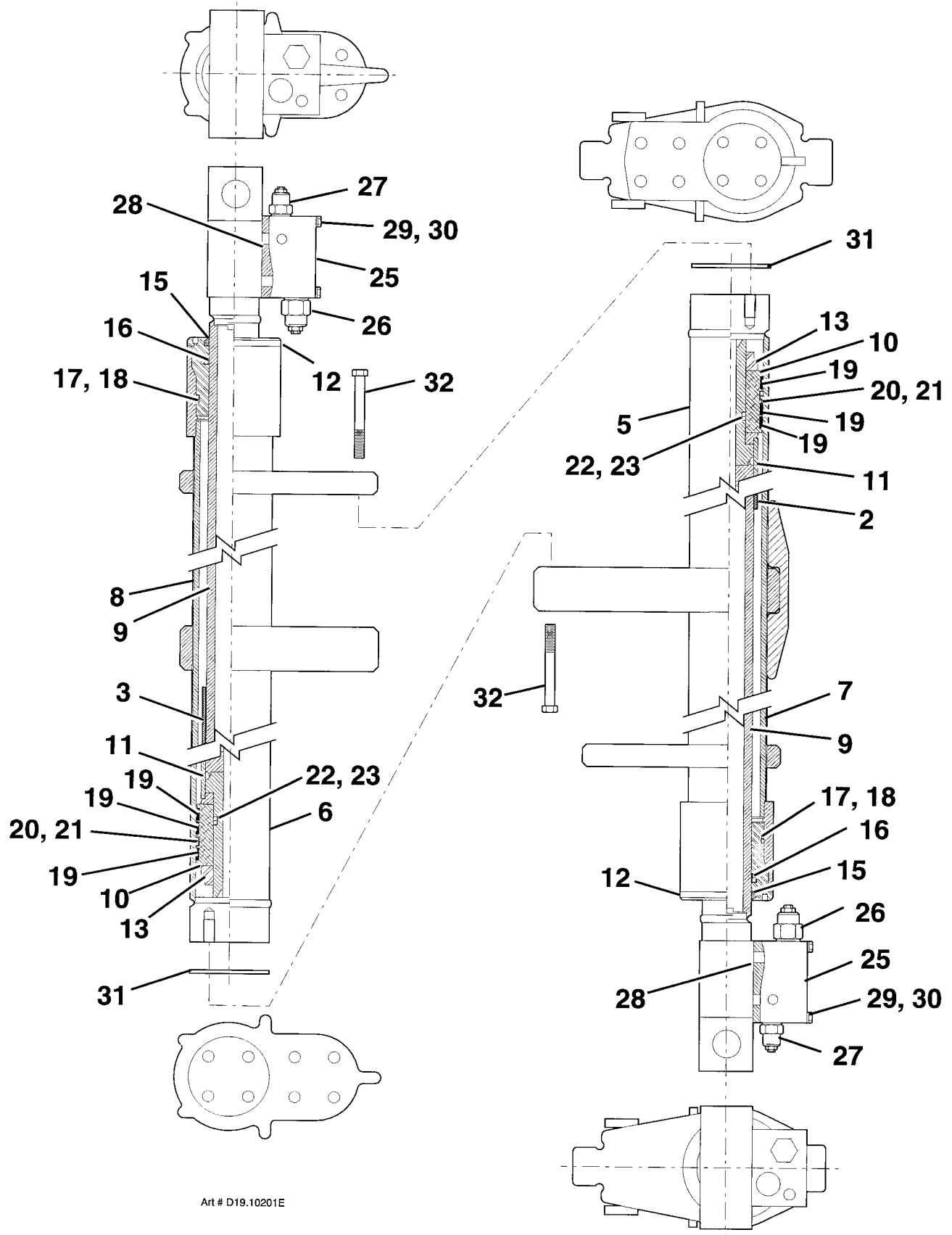
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	234 0720		CYLINDER ASSEMBLY, DOUBLE TELESCOPE (for Model T 50 Trailblazer)	1
2	234 0740		SPACER, MID BOOM TELESCOPE CYLINDER (93" [2.36 M] long)	1
3	234 0730		SPACER, TIP BOOM TELESCOPE CYLINDER (34" [0.86 M] long)	1
4	04-037300		CYLINDER ASSEMBLY, DOUBLE TELESCOPE (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.**

REV. 05 JAN., 1996

PART NO.



TITLE

TELESCOPE CYLINDER ASSEMBLY, TRAILBLAZER 50 OR 60

SIMON AERIALS INC.

REV. 05 JAN., 1996

PART
NO.

PLATE
NO. D19.102

PARTS LIST

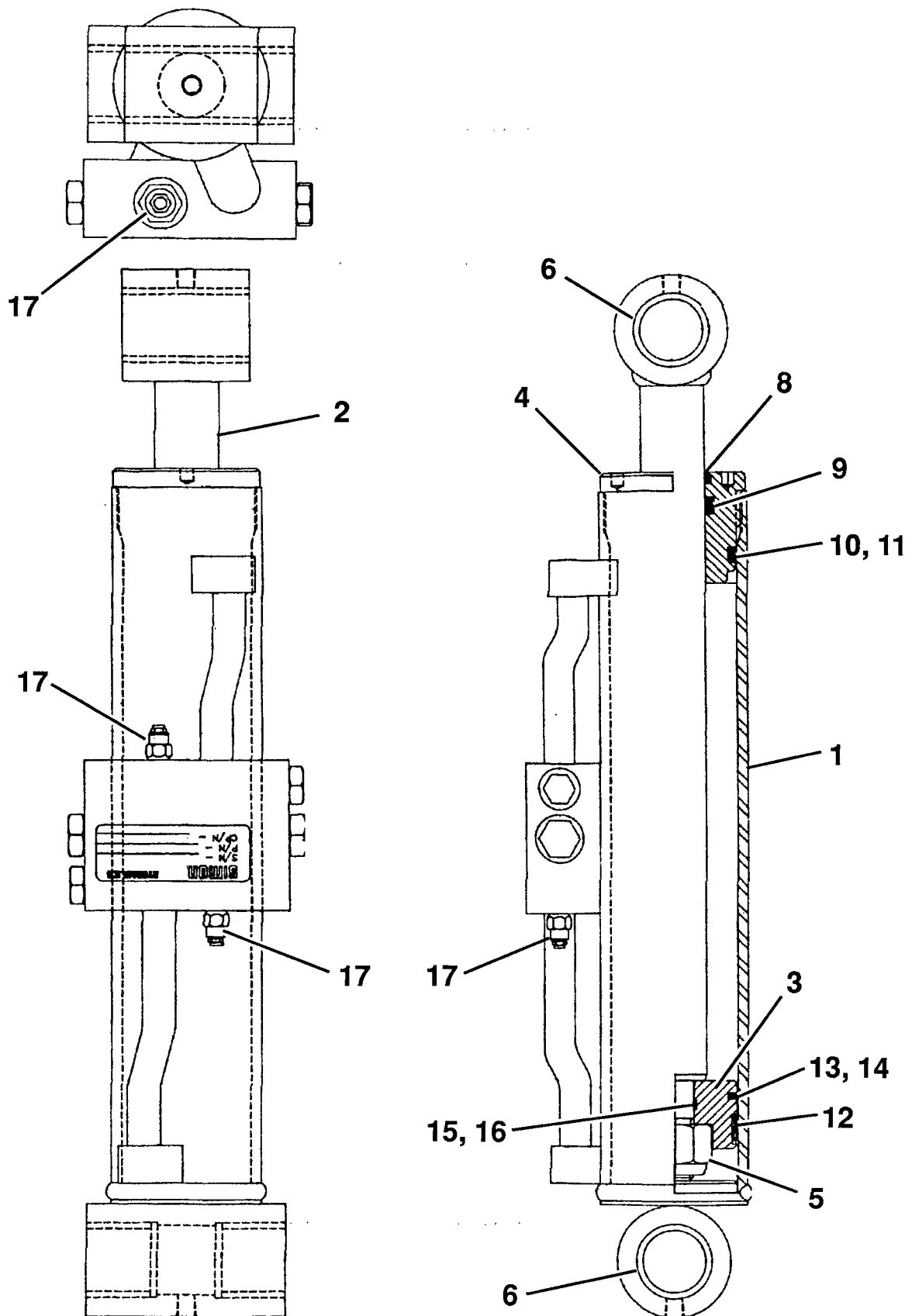
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04032700SH" on nameplate located on valve block.	
1			CASE, CYLINDER	1
2	04-032605		ROD, CYLINDER	1
3	04-032603		PISTON	1
4			GLAND, HEAD	1
5	04-032602		NUT, LOCK	1
6	04-032406		BUSHING	4
7	04-032601		SEAL KIT	1
8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

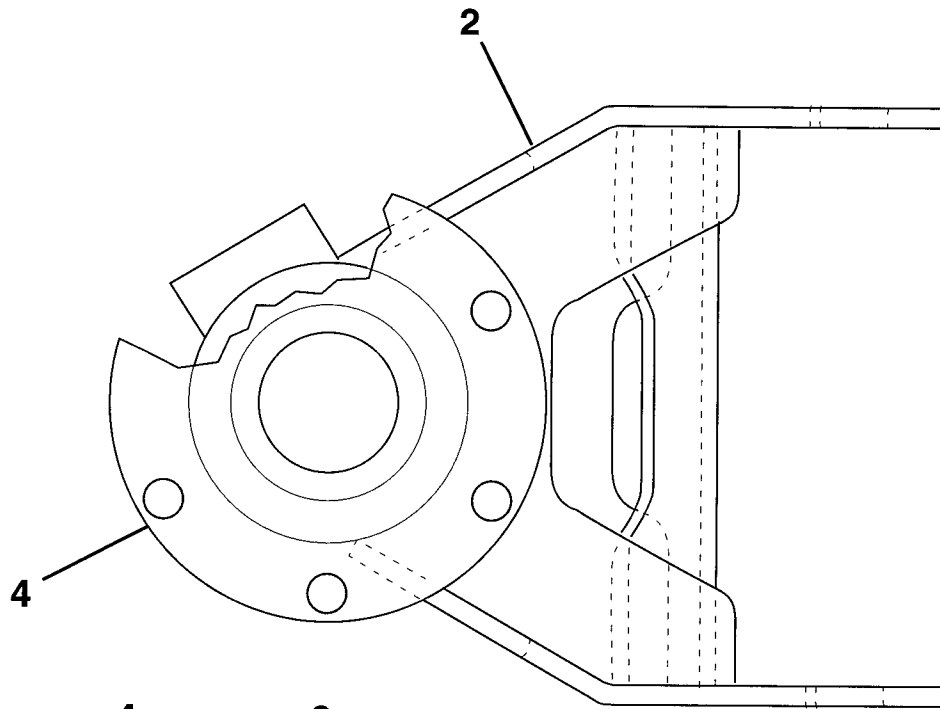
PLATE
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D20.101

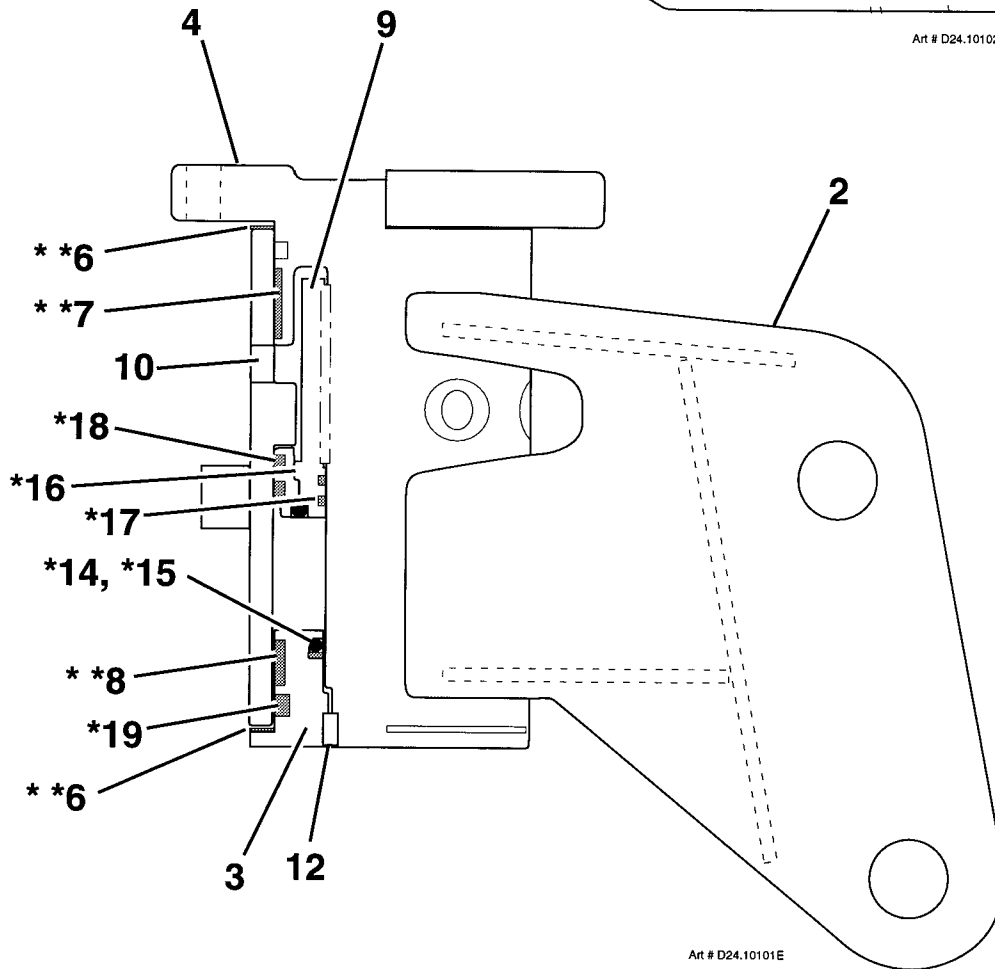
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PLATE NO.	D24.101	SIMON AERIALS INC.
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PART NO. 02-037800



Art # D24.10102E



Art # D24.10101E

TITLE

PLATFORM ROTARY ACTUATOR

SIMON AERIALS INC.

REV. 25 JUN., 1994

PART
NO.

02-037800

PLATE
NO.

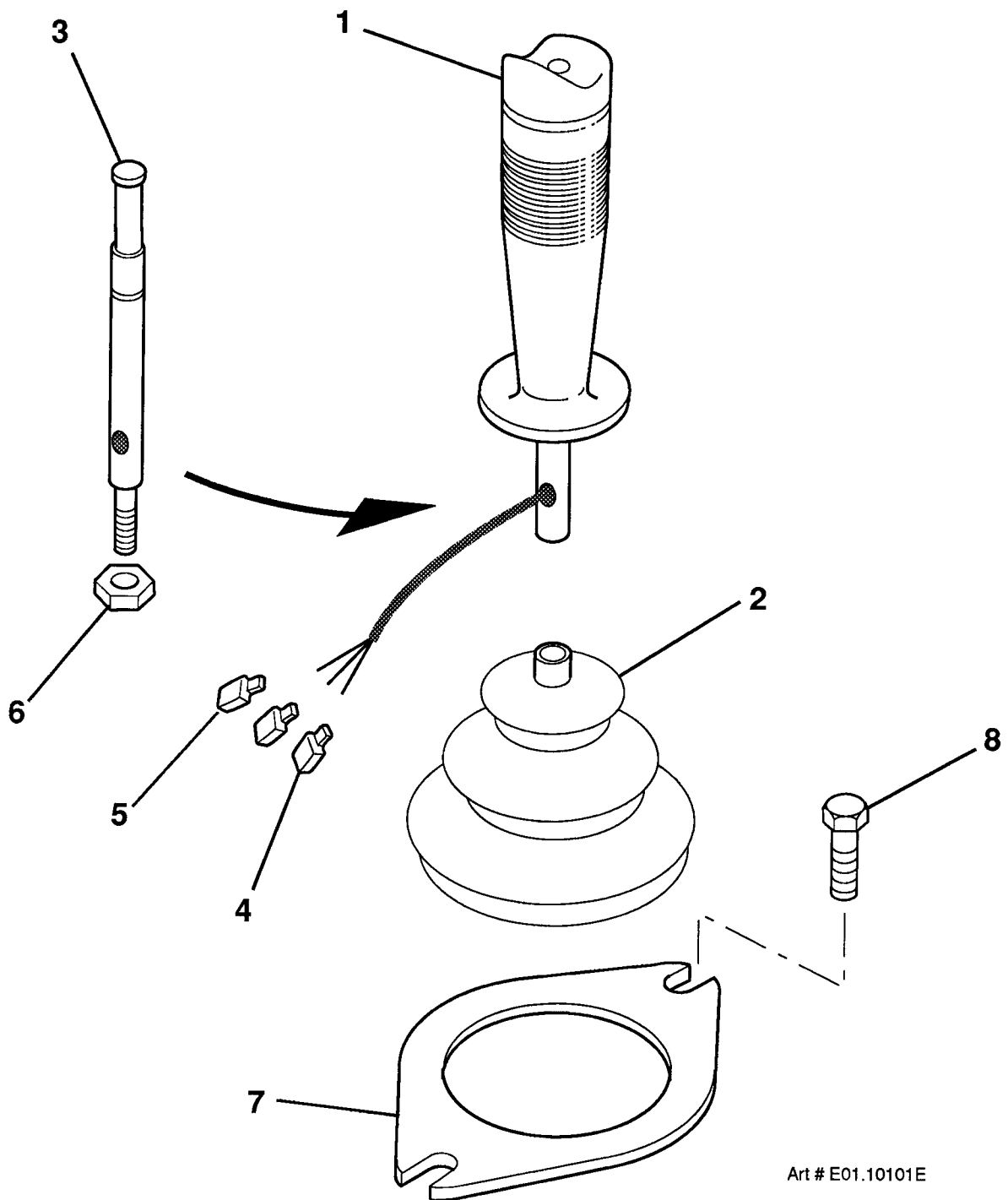
D24.101

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DRIVE CONTROL HANDLE ASSEMBLY

NEW 18 FEB., 1993

PART
NO.



Art # E01.10101E

TITLE

DRIVE CONTROL HANDLE ASSEMBLY

SIMON AERIALS INC.

NEW 18 FEB., 1993

PART
NO.

3530010

PLATE
NO.

E01.14

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 5050		PLATFORM WORK LIGHT PACKAGE	1
2	03-037900		LAMP, TRUCK (12 Volt DC) (includes #4411 flood lamp bulb)	2
3	03-037902		LAMP, FLOOD (Sealed beam replacement bulb) (#4411, 12 Volt DC) (See Item 15 for Spot lamp bulb)	
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	03-037901		LAMP, SPOT (Sealed beam replacement bulb) (#H7604, 12 Volt DC, Halogen) (See Item 3 for Flood lamp)	1
16	353 5010		LIGHT PACKAGE (includes lamps for platform control panel, ground control panel, and engine compartment)	1
17	03-038800		LAMP, CONTROL PANEL (hooded)	2
18	03-418600		BULB, PANEL LAMP (#68, 12 Volt DC)	1
19	03-035500		LAMP, DOME (Engine compartment)	1
20	No Part #		BULB, DOME LAMP (#93, 12 Volt DC)	1
21	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
22	03-092200		COUPLING, INSULATED (Male, Blue nylon, #14-16 AWG)	2
23	03-092300		COUPLING, INSULATED (Female, Blue nylon, #14-16 AWG)	2
24	03-099000		CONNECTOR, BUTT (Blue, #14-16 AWG)	2
25	07-090100		MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")	6
26	07-062009		WASHER, FLAT (#8)	6
27	07-050111		NUT, LOCK (#10-32, Grade 2, with Nylon insert)	6

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

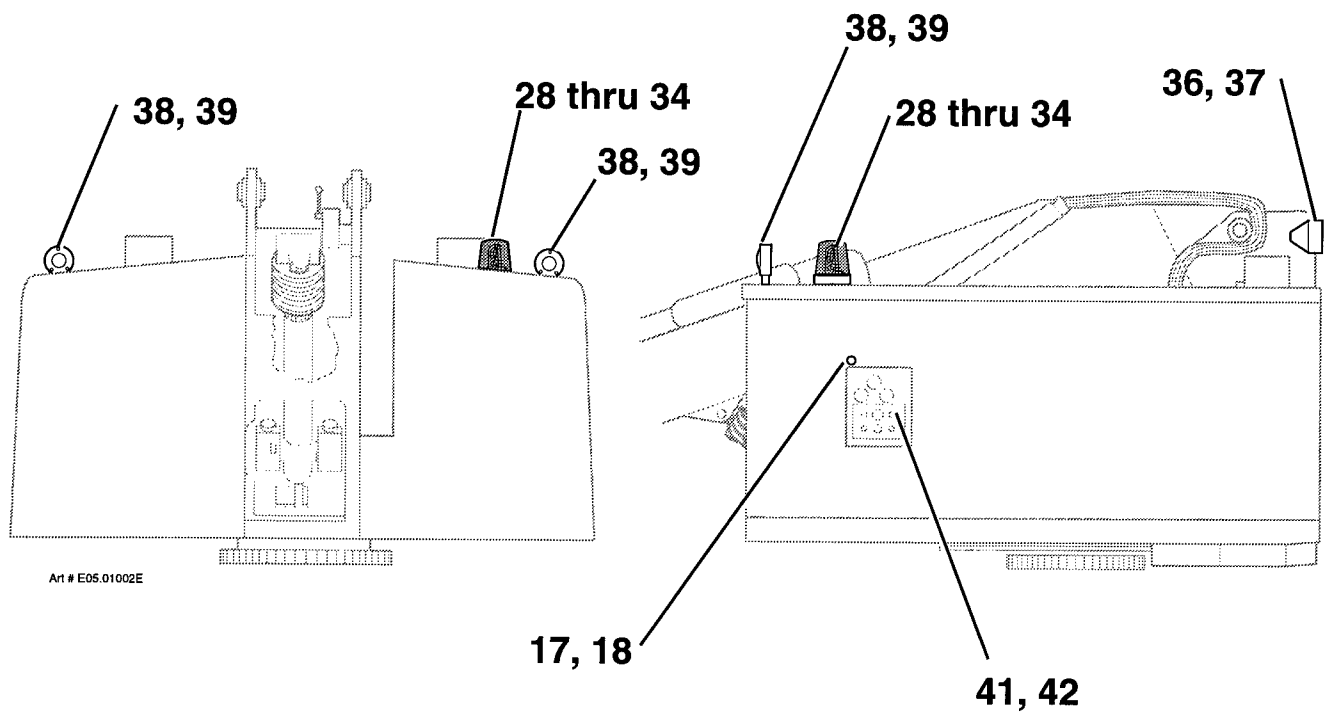
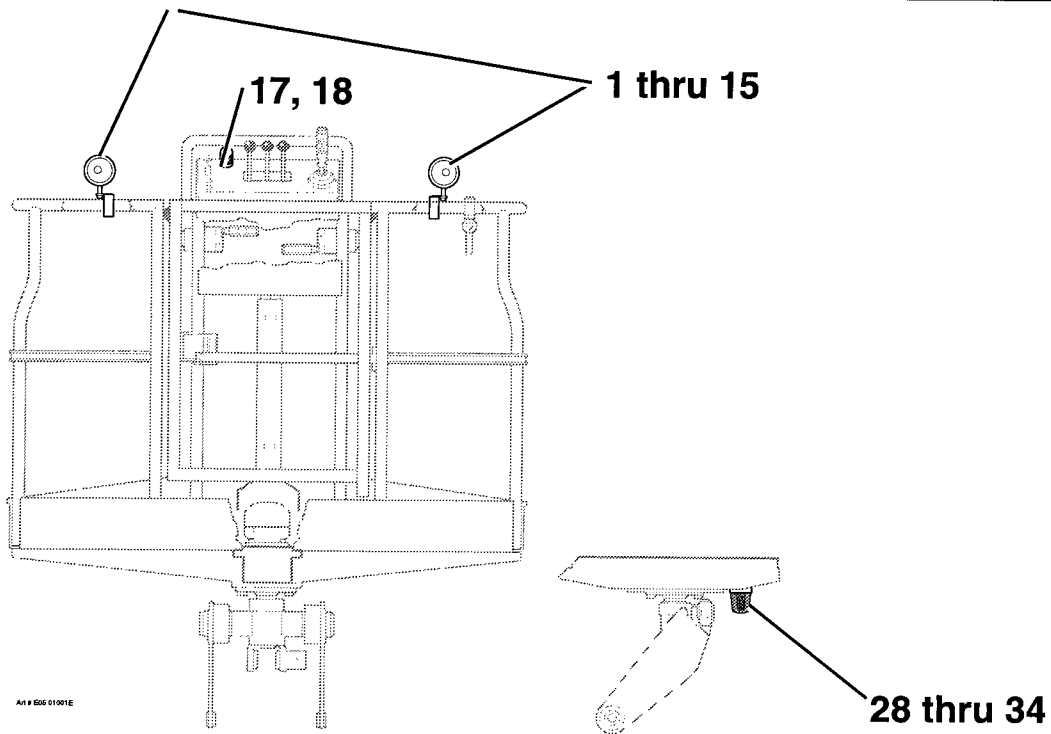
PLATE NO.

E05.01

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART NO.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

PLATE
NO.

E05.01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
28	353 5030		ROTARY BEACON PACKAGE (Amber)	1
29	03-030600		BEACON, ROTARY (Amber, 12 Volt DC)	1
30	03-030601		LENS, ROTARY BEACON (Amber)	1
31	No Part #		BULB, ROTARY BEACON (#1156, 12 Volt DC)	1
32	03-064800		GROMMET (Plastic)	1
33	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 3 Ft [.91 M] needed here)	A.R.
34	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	1
35	353 5040		HEAD AND TAIL LIGHT PACKAGE	1
36	03-038000		HEADLAMP (Sealed beam)	2
37	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#H 7609, 12 Volt DC, Halogen) (Also see Item 52)	1
38	03-031200		TAIL LAMP	2
39	No Part #		BULB, TAIL LAMP (#1157, 12 Volt DC)	1
40	03-020400		SWITCH, TOGGLE (2 position, maintained contact, single pole, single throw)	1
41	03-037500		SOCKET, RELAY (Double pole, snap mount)	1
42	03-050100		RELAY, PLUG IN (12 Volt DC, double pole)	1
43	03-085200		CABLE, ELECTRICAL (Type SJO, 2 cond., #16 AWG)	
			(Bulk item, order as needed. 20 Ft [6.1 M] needed here)	A.R.
44	03-087500		WIRE, ELECTRICAL (#16 AWG, Blue, stranded)	
			(Bulk item, order as needed. 6 Ft [1.8 M] needed here)	A.R.
45	03-092200		COUPLING, INSULATED	
			(Male, Blue nylon, #14-16 AWG)	12
46	03-092300		COUPLING, INSULATED	
			(Female, Blue nylon, #14-16 AWG)	12
47	07-031001		STUD, WELD (1/4"-20 x 3/4")	28
48	07-050014		NUT, LOCK (1/4"-20, Grade 5)	28
49	07-062015		WASHER, FLAT (5/16")	28
50	10-060600		CLAMP, LOOP (3/8")	28
51	03-497900		SEAL, PANEL (for headlamp toggle switch)	1
52	No Part #		BULB, HEADLAMP (Sealed beam replacement bulb)	
			(#4419, 12 Volt DC) (Also see Item 37)	1
53	03-046400		TURN SIGNAL	1
54	03-031300		LAMP, MARKER (12 Volt DC)	1

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

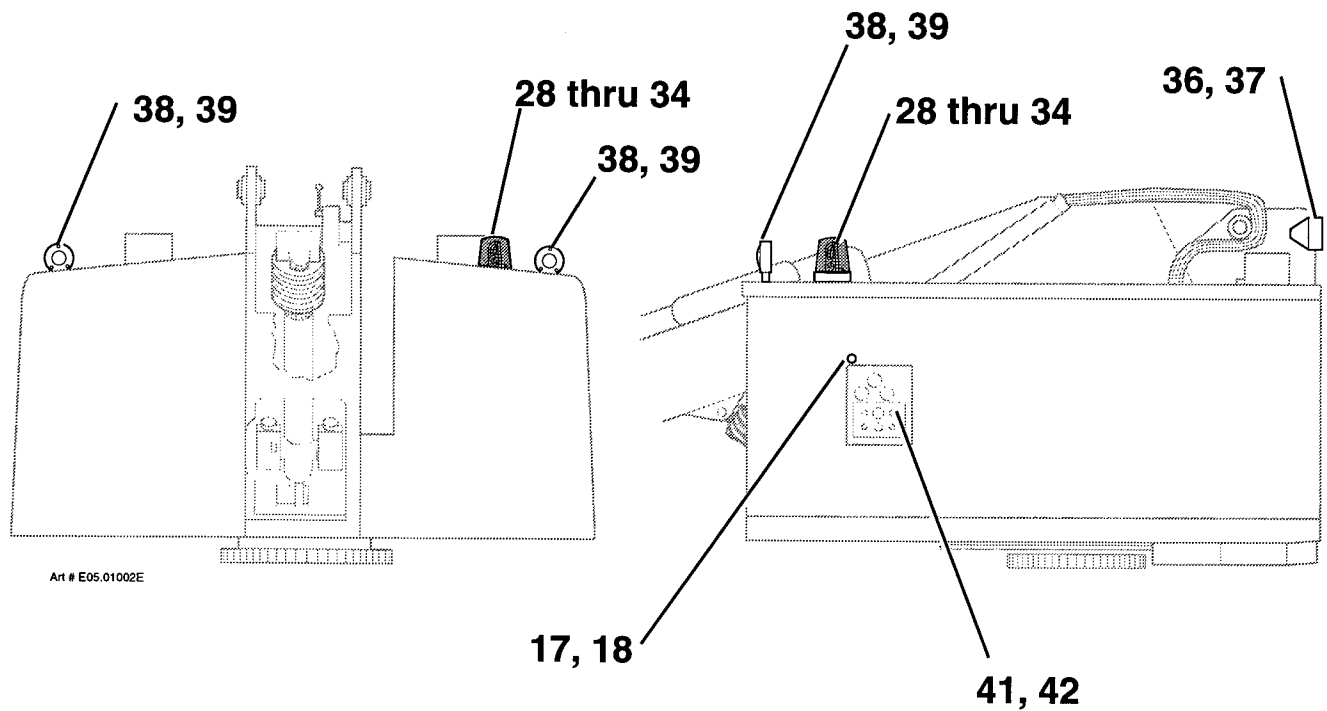
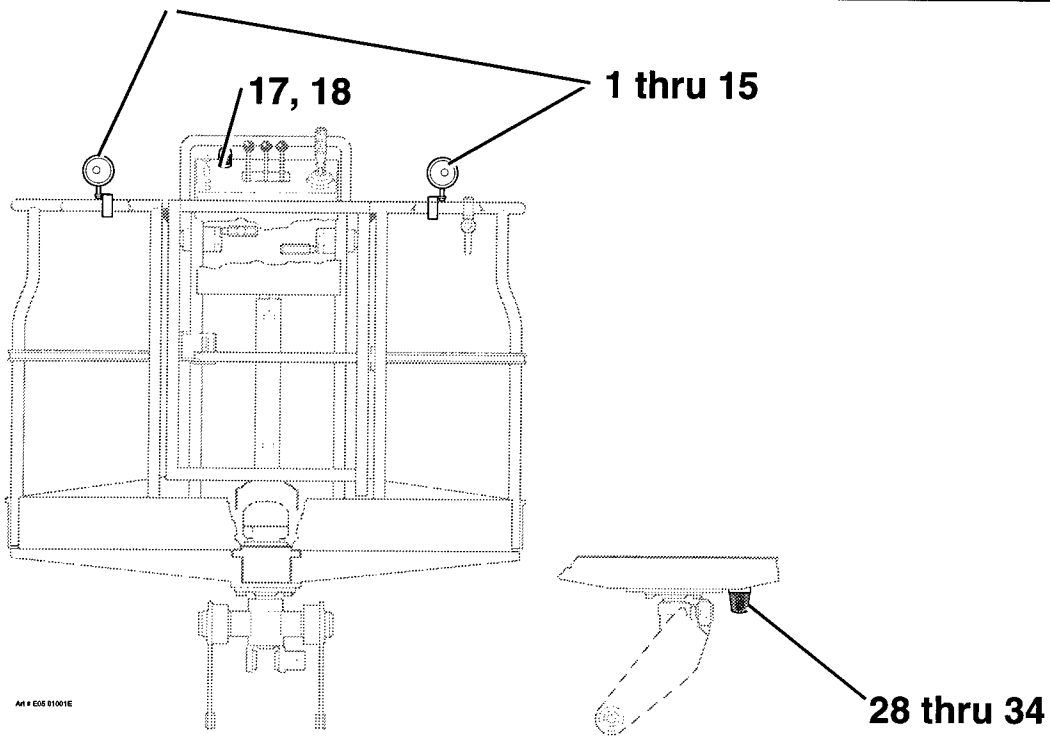
PLATE NO.

E05.01

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART NO.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 09 NOV., 1994

PART
NO.

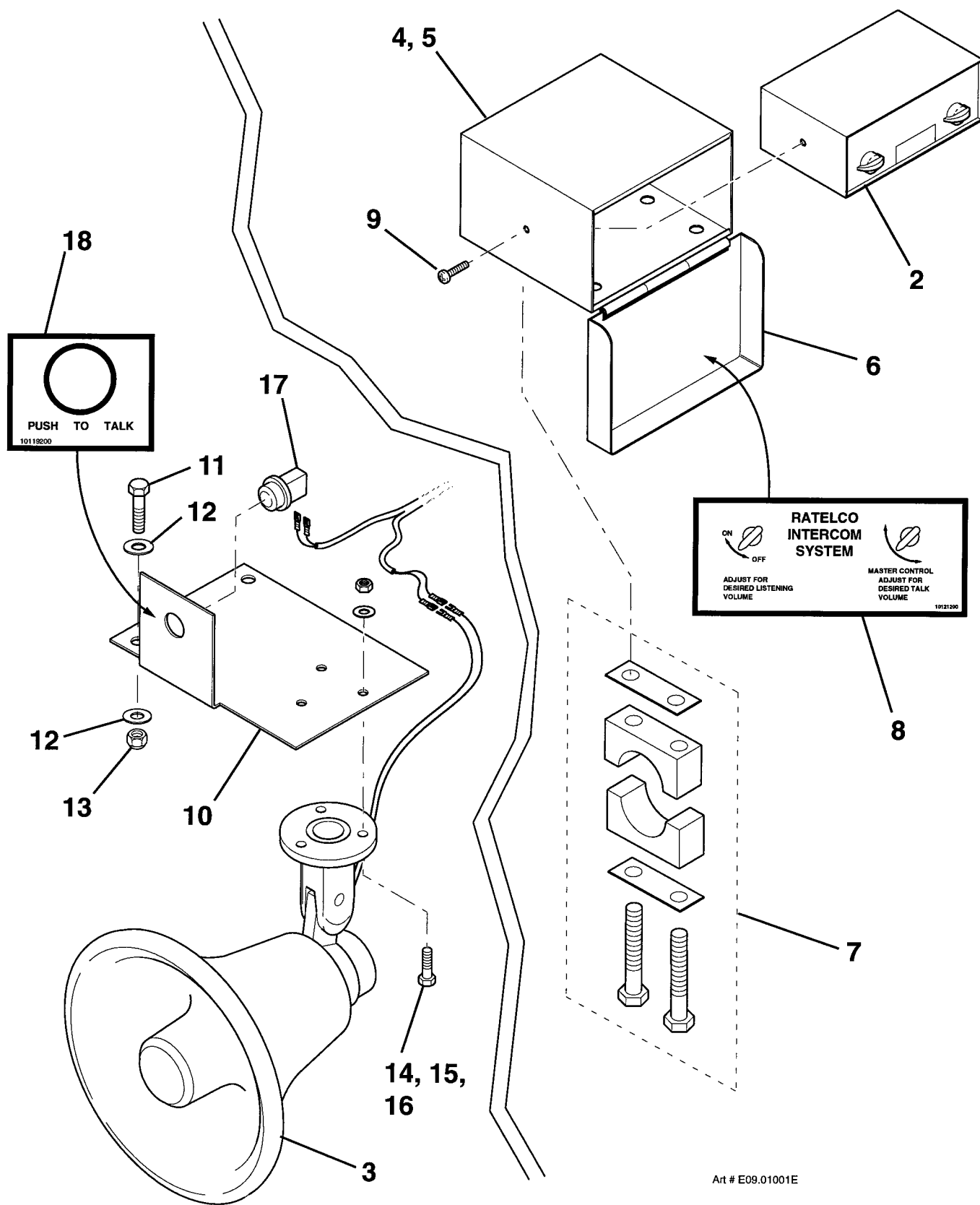
PLATE
NO.

E05.01

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PLATE NO.	E09.01	SIMON AERIALS INC.
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PART
NO.



Art # E09.01001E

TITLE

MOBILE INTERCOM SYSTEM (OPTION)

SIMON AERIALS INC.

NEW 02 MAY., 1994

PART
NO.

PLATE
NO.

E09.01

PARTS LIST

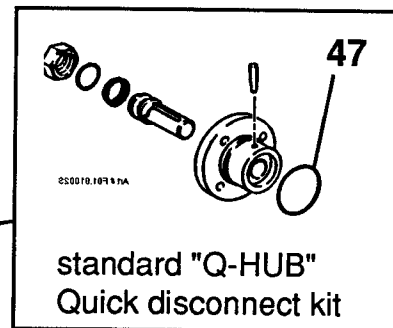
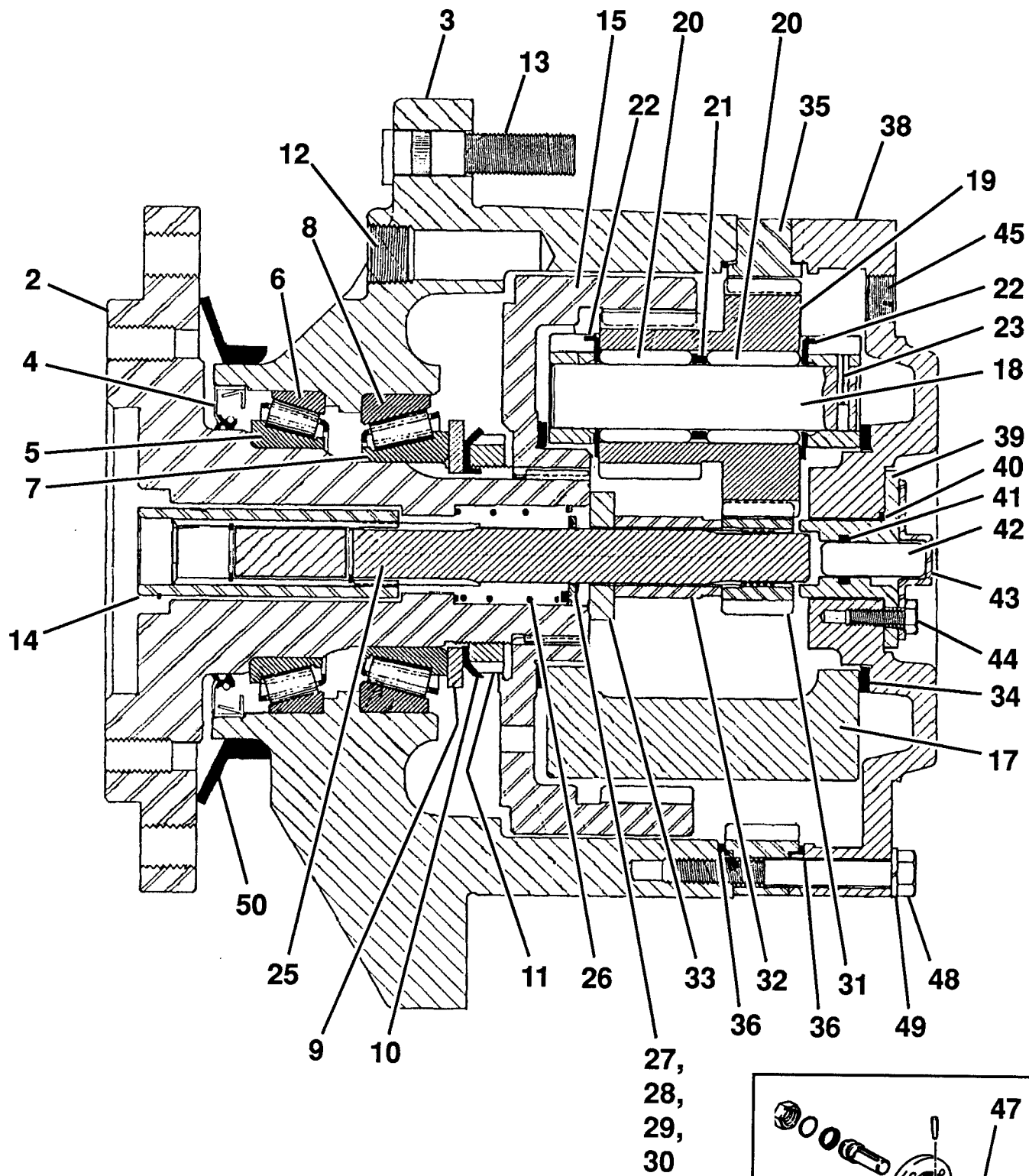
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 38) reads "W2B2FZ313".	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-041103		SPINDLE	1
3			HUB (HOUSING)	1
4	02-041108		SEAL, HUB	1
5	02-041107		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-041106		CUP, HUB BEARING (inner)	1
7	02-041110		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.**

NEW 03 NOV., 1993

PART NO. 02-041100



TITLE

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

SIMON AERIALS INC.

NEW 03 NOV., 1993

PART
NO.

02-041100

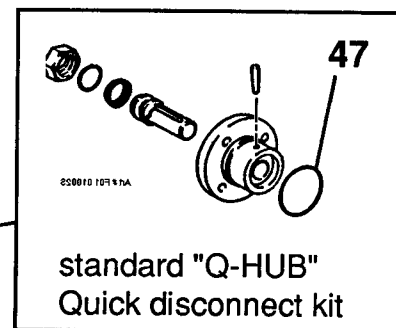
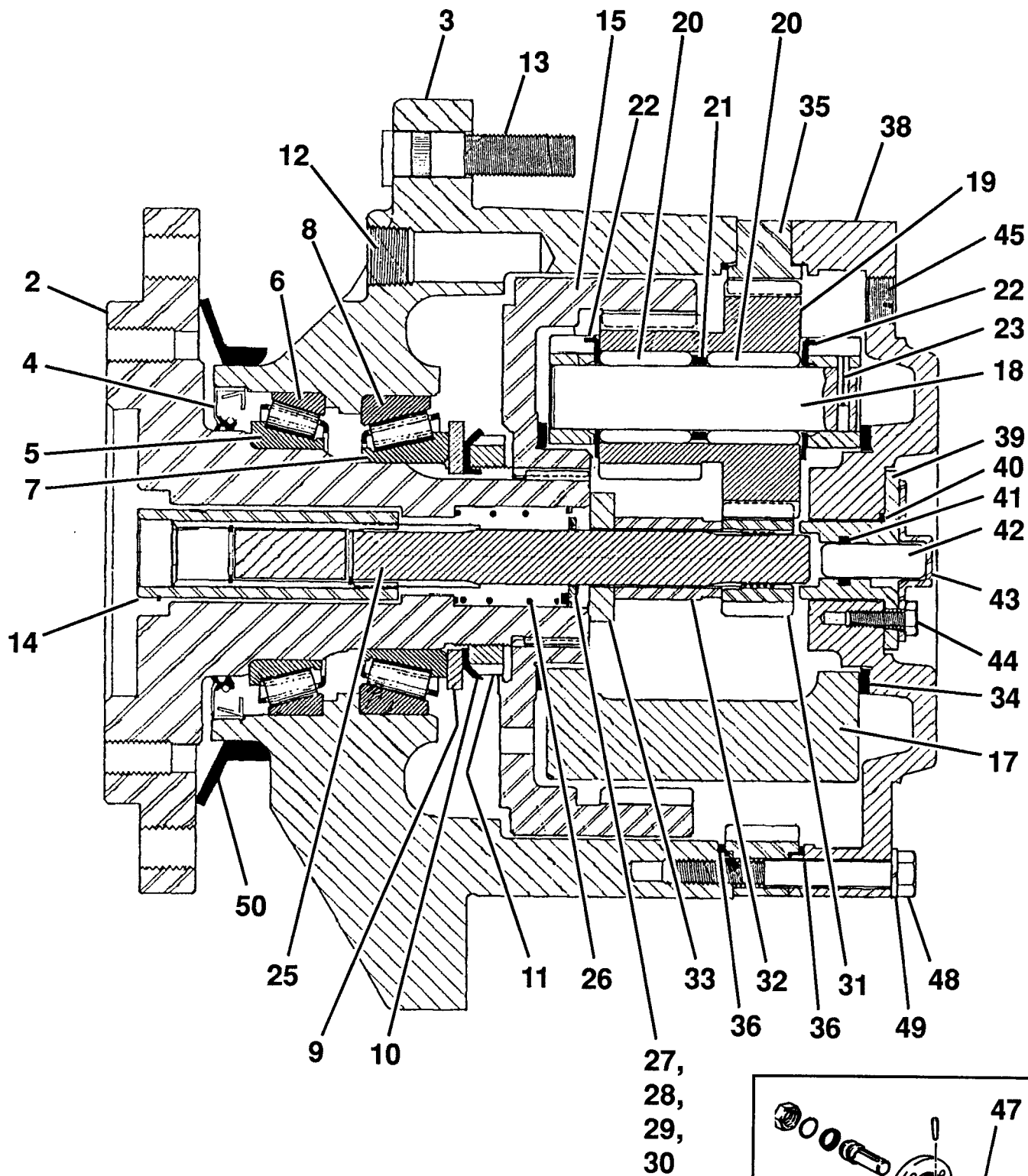
PLATE
NO.

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.		PART NO. 02-041100

PLATE NO. F01.101	SIMON AERIALS INC.
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PART NO. 02-041100



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

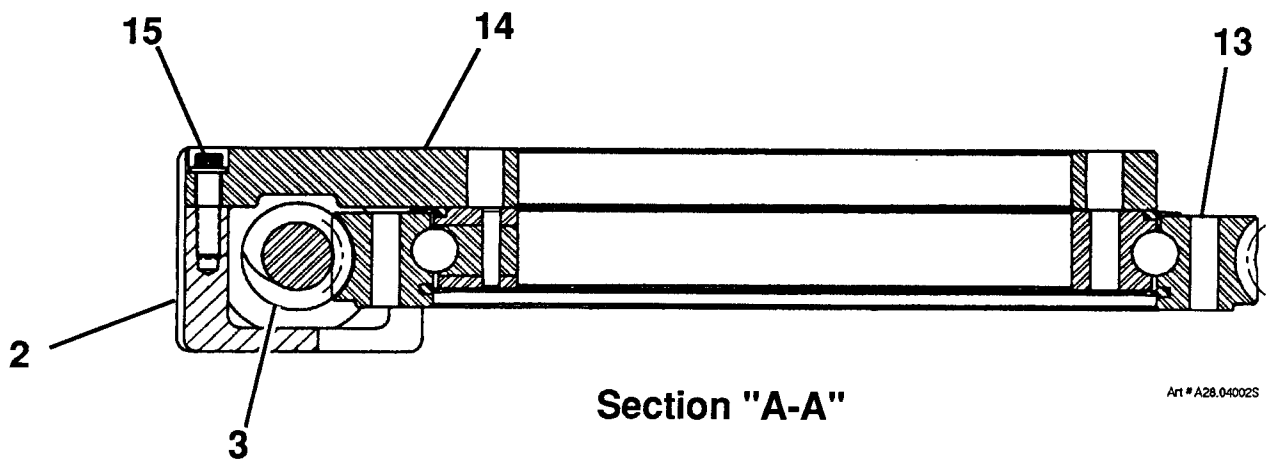
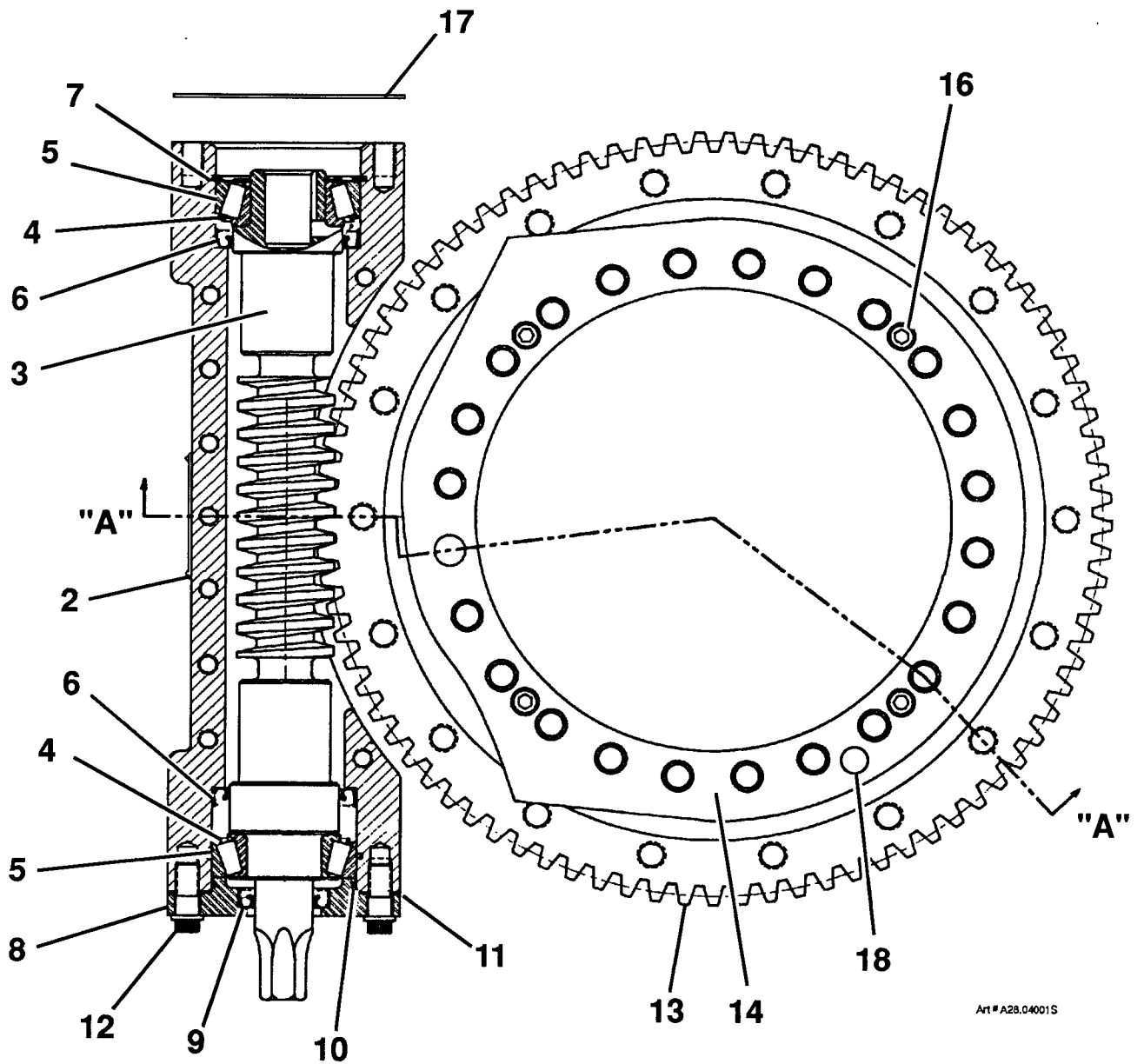
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	08-069000		SWING REDUCER ASSEMBLY	
2	08-069003		HOUSING, SWING REDUCER	1
3	08-068710		SHAFT, WORM	1
4	08-068705		CONE AND ROLLER, BEARING	2
5	08-068706		CUP, BEARING	2
6	08-068703		SEAL	2
7	08-068704		RING, SNAP (Input bearing)	1
8	08-068709		RETAINER, OUTPUT 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 60 (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	10-167100		DECAL, "WARNING (Boom must be pinned . . .)"	1
6	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
7	10-244000		DECAL, "CAUTION" ("Preparations for towing . . .") (for versions with Tow Package)	1
8	10-094700		DECAL, "CAUTION, HOT WATER . . ." (for versions with liquid cooled engine)	1
9	10-094900		DECAL, "CAUTION, ROTATING FAN . . ." (for versions with liquid cooled engine)	1
10	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES . . ."	1
11			PLACARD, FUEL	1
	10-117900		"GASOLINE ONLY"	
	10-151100		"DIESEL FUEL ONLY"	
12	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
13	10-163700		DECAL, MAXI-REACH TESTS	2
14	10-165200		DECAL, WORKING RANGE DIAGRAM	2
15	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1
16	10-087400		DECAL, GROUND CONTROL VALVES	1
17	10-131500		PLATE, REMOTE CONTROL PENDANT	1
18	10-167200		DECAL, "DISENGAGE BOOM LOCK & SWING . . ."	3
19	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.
20	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
21	10-012900		DECAL, "FORWARD" WITH ARROW	2

TITLE

DECALS, TRAILBLAZER 60 (PLATE 1 OF 2)

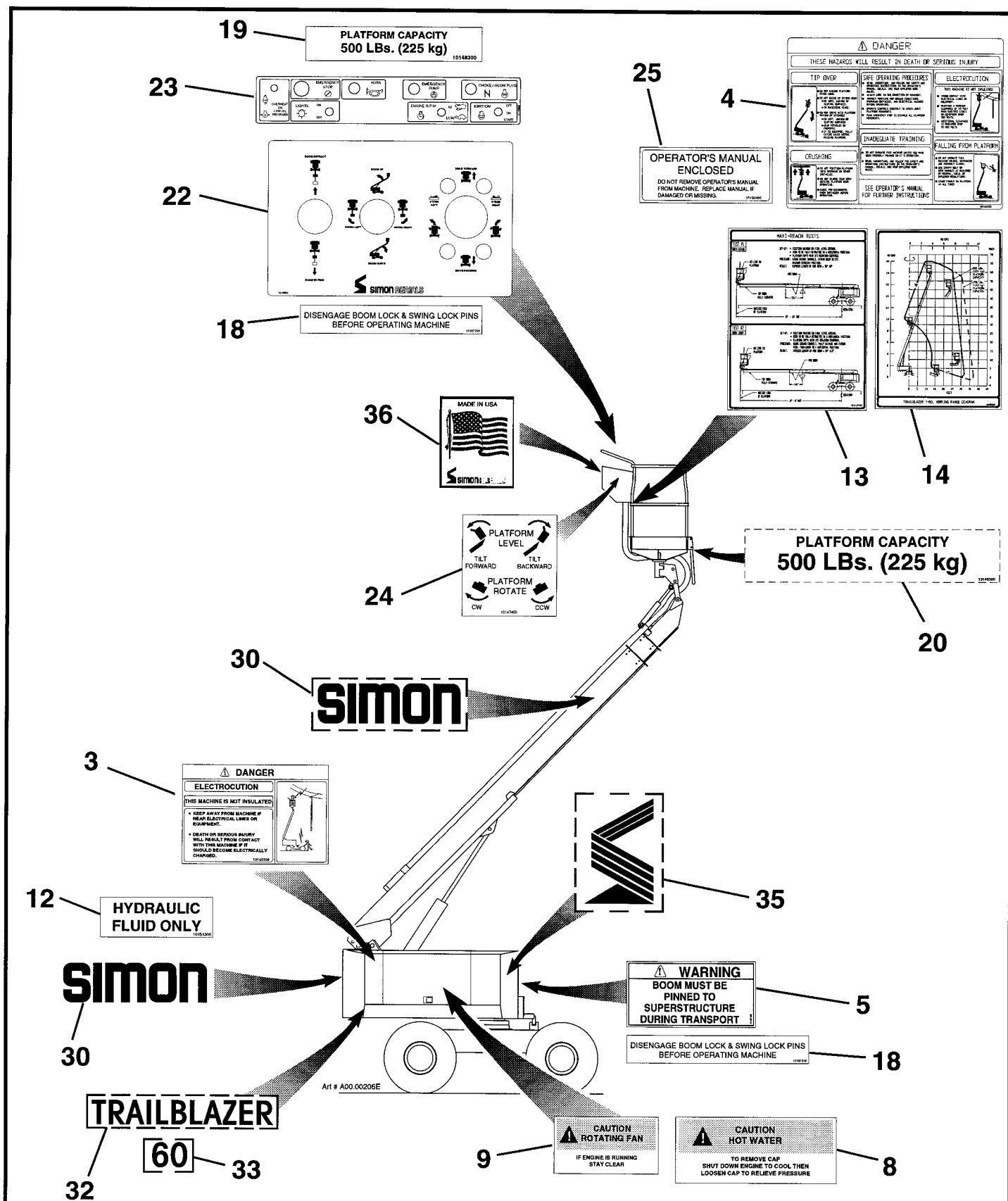
PLATE NO.

F99.102

SIMON AERIALS INC.

REV. 09 JAN., 1996

PART NO.



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

TITLE

DECALS, TRAILBLAZER 60 (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 09 JAN., 1996

PART
NO.

PLATE
NO. **F99.102**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	10-145000 10-241100 10-241400	shown	PLACARD, PLATFORM CONTROL VALVES Standard (Lexan) Optional (Stencil-cut aluminum) SPACER (needed with aluminum control placard)	1 6
23	10-145900 10-222300		DECAL, PLATFORM ELECTRICAL CONTROLS Red background around Emergency Stop button Yellow background around Emergency Stop button	1
24	10-147400 10-241200 10-241400	shown	DECAL, PLATFORM LEVEL AND ROTATE CONTROLS Standard (Lexan) Optional (Stencil-cut aluminum) SPACER (needed with aluminum control placard)	1 4
25	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
26	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)	1
27	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ." (for "Dual fuel" versions)	1
28	215 7710		DECAL, "FOR PROPER OPERATION - SET FUEL . . ." (for "Dual fuel" versions)	1
29	10-150100		DECAL, MANUAL LOWER AND RETRACT INSTRUCTION (for versions with optional manual lowering valves)	1
30	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
31			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.)	
32	10-139200		DECAL, "TRAILBLAZER" NAME	2
33	10-153400		DECAL, MODEL "60"	2
34	10-139400		DECAL, "4 x 4" IDENTIFICATION	1
35	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm] high)	2
36	10-121600		DECAL, "MADE IN U.S.A."	1
37	10-216800		DECAL, NUMERAL "1"	1
38	10-216900		DECAL, NUMERAL "2"	1
39	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.
40	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.
41	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 60 (PLATE 2 OF 2)

PLATE NO. F99.102

SIMON AERIALS INC.

REV. 09 JAN., 1996

PART NO.



PLATE
No. F99.102