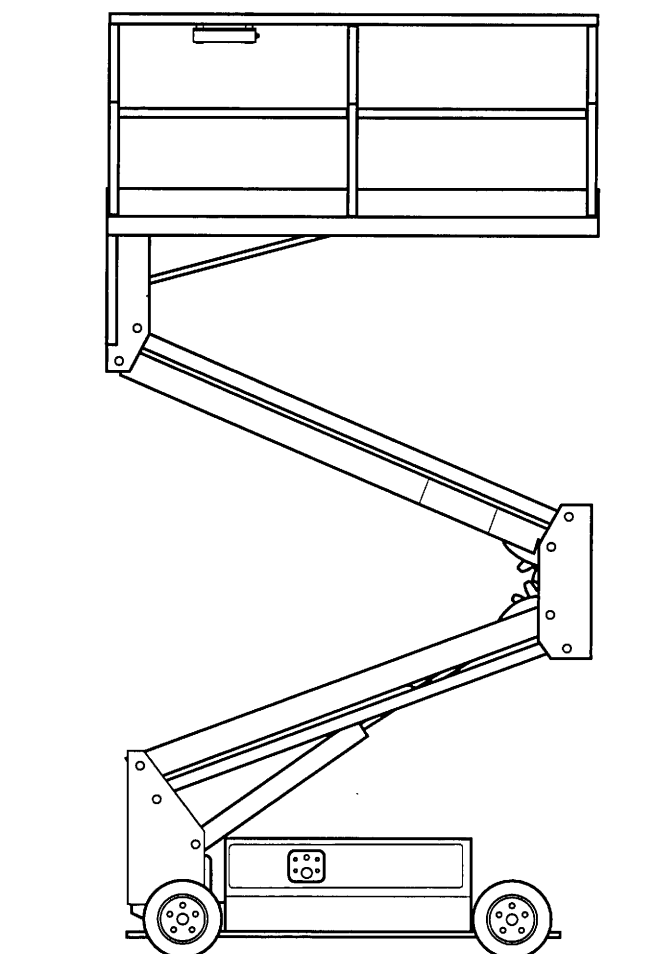


FALCON
2548
VERTICAL LIFT

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art #A00.00029 E

Part No. 89-755005 • Revision "0.2", dated Oct. 1995 •

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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 FALCON 2548 VERTICAL LIFT 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 the FALCON 2548 are included in this Catalog.

The "Primary Machine Component Groups" page illustrates the three 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 three sections (1,3 and 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:

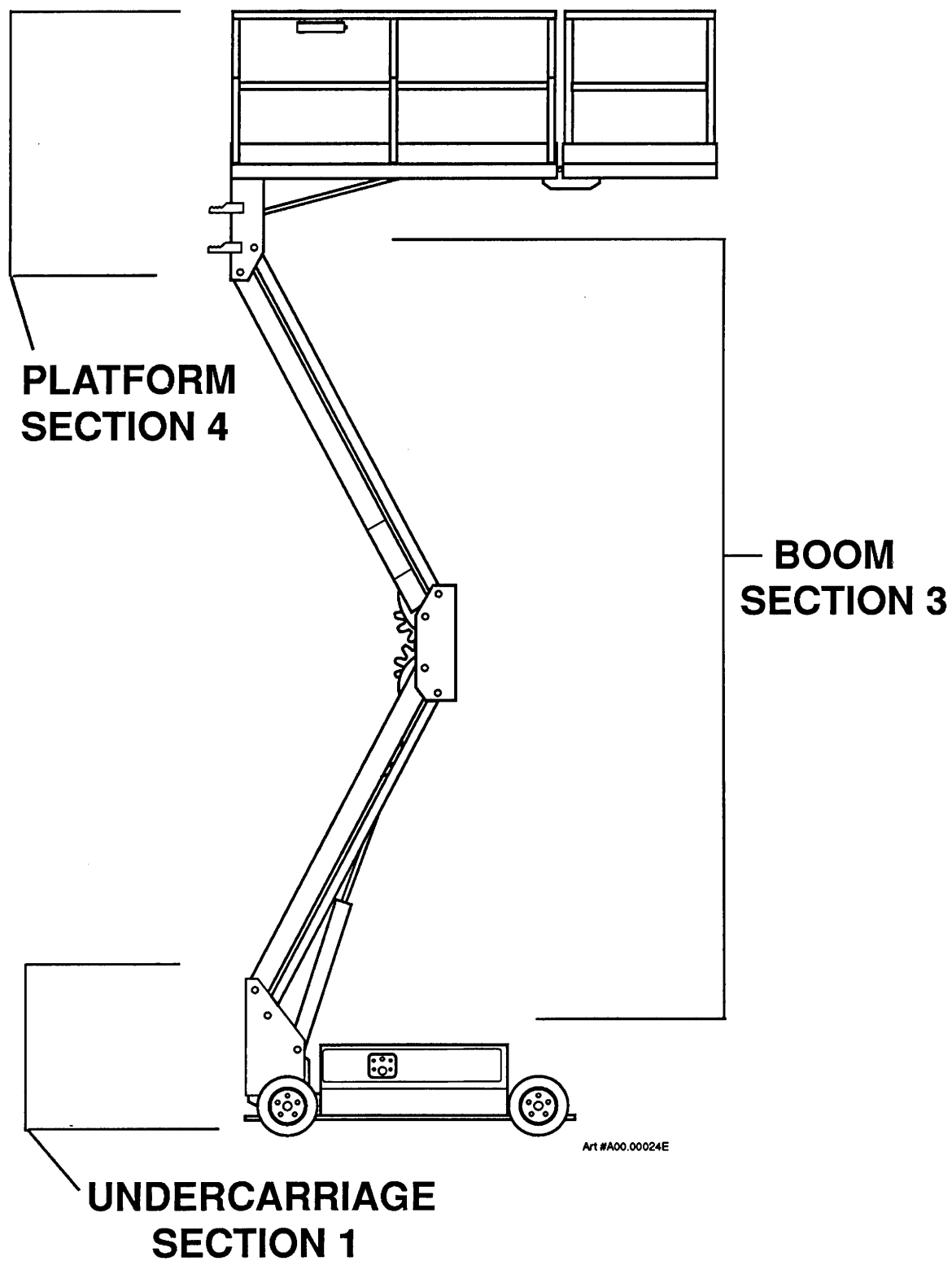
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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 on the Platform, with the steering wheels to the front. 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.



DESCRIPTION	PART NO.
PRIMARY MACHINE COMPONENT GROUPS	

PARTS LIST

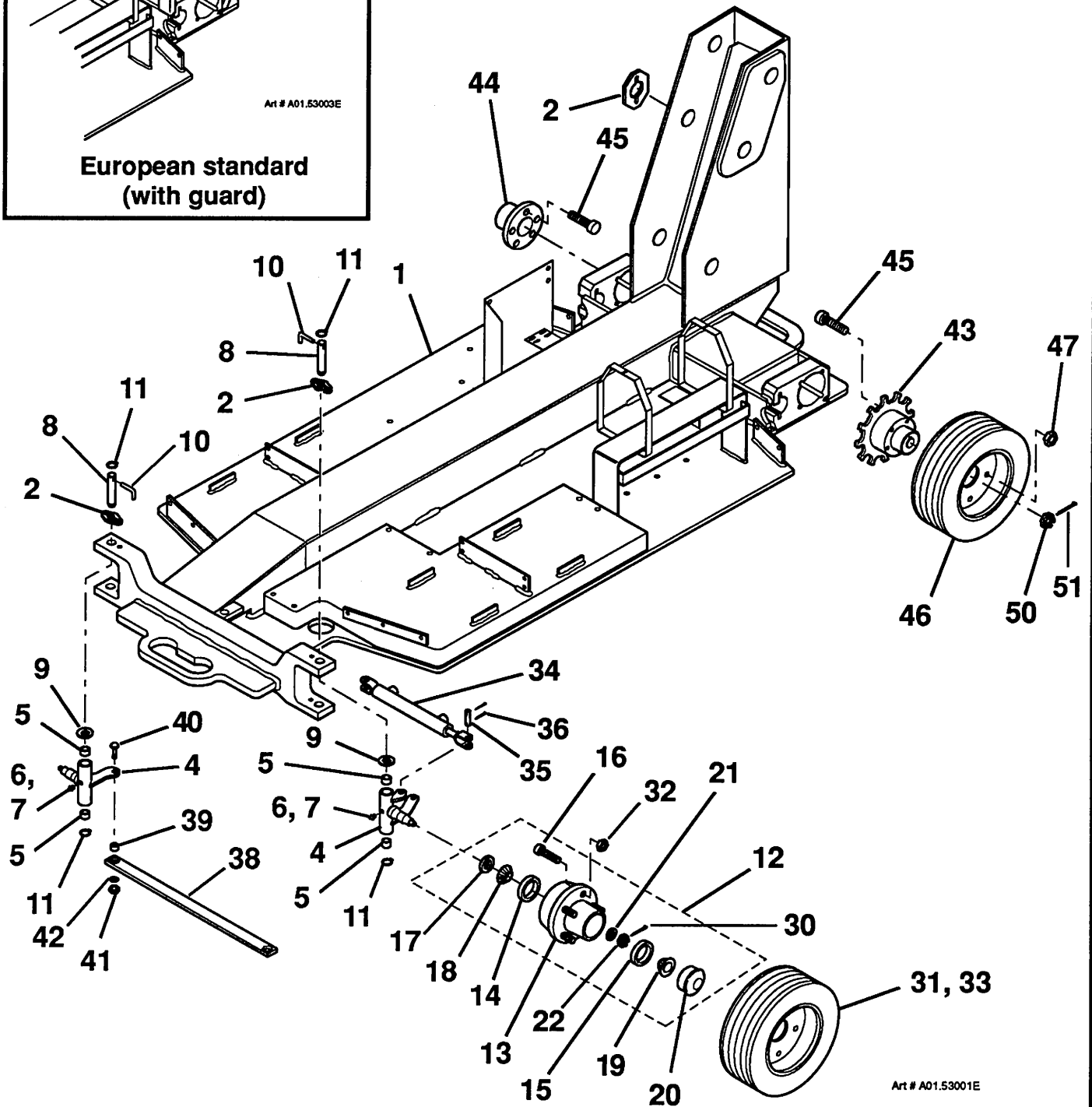
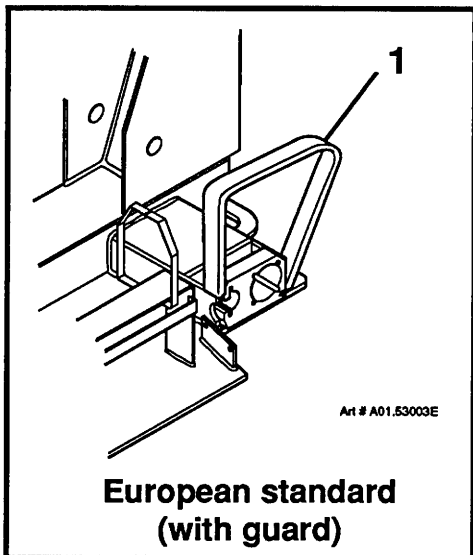
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
A-A	3524800		UNDERCARRIAGE ASSEMBLY (Except Europe and Japan)	
A-A	3525840		UNDERCARRIAGE ASSEMBLY (European standards)	
A-A	3524800		UNDERCARRIAGE ASSEMBLY (Japanese standards)	
1	2181800		UNDERCARRIAGE WELDMENT (except Europe)	1
	2186220		UNDERCARRIAGE WELDMENT (European standards, with guard)	1
2	2170310		PLATE, KEEPER	3
3	3524780		SPINDLE ASSEMBLY (right)	1
	3524790		SPINDLE ASSEMBLY (left)	1
4	2174410		SPINDLE WELDMENT (right)	1
	2174370		SPINDLE WELDMENT (left)	1
5	08-060400		BEARING, THRUST (Oilite, 1" I.D., 1-1/4" O.D., 1" long)	2
6	08-050000		FITTING, GREASE (1/8", straight)	1
7	08-066300		CAP, GREASE FITTING (white plastic)	1
8	2161030		PIN, SPINDLE (1" x 8-15/16")	1
9	08-060500		BEARING, THRUST (Oilite, 1" I.D., 2" O.D.)	1
10	2161040		PIN, LOCK ("L" type, 1-7/8" long)	1
11	08-040600		RING, RETAINING (1")	2
12	02-019800		HUB ASSEMBLY, FRONT	1
13			HUB, FRONT	1
14			CUP, FRONT BEARING (inner)	1
15			CUP, FRONT BEARING (outer)	1
16	02-019805		STUD, FRONT WHEEL MOUNTING	5
17	02-019802		SEAL	1
18	02-019804		CONE AND ROLLER, FRONT BEARING (inner)	1
19	02-019803		CONE AND ROLLER, FRONT BEARING (outer)	1
20	02-019801		CAP, FRONT HUB	1
21	2169150		WASHER, FLAT	1
29	07-050018		NUT, CASTLE	1
30	07-070507		PIN, COTTER	1
31	02-032000		WHEEL AND TIRE ASSEMBLY, FRONT (5.0" x 8-3.75" solid, black ribbed tire)	1
32	07-090134		NUT, LUG (1/2"-20)	5
33	02-036100		WHEEL AND TIRE ASSEMBLY, FRONT (optional 5.0" x 8-3.75" solid, white non-marking tire)	2

TITLE UNDERCARRIAGE, FALCON 2548 (PLATE 1 OF 5)

PLATE NO. 01.53 **SIMON AERIALS INC.**

NEW 22 OCT., 1992

PART NO.



TITLE

UNDERCARRIAGE, FALCON 2548 (PLATE 1 OF 5)

SIMON AERIALS INC.

NEW 22 OCT., 1992

PART
NO.

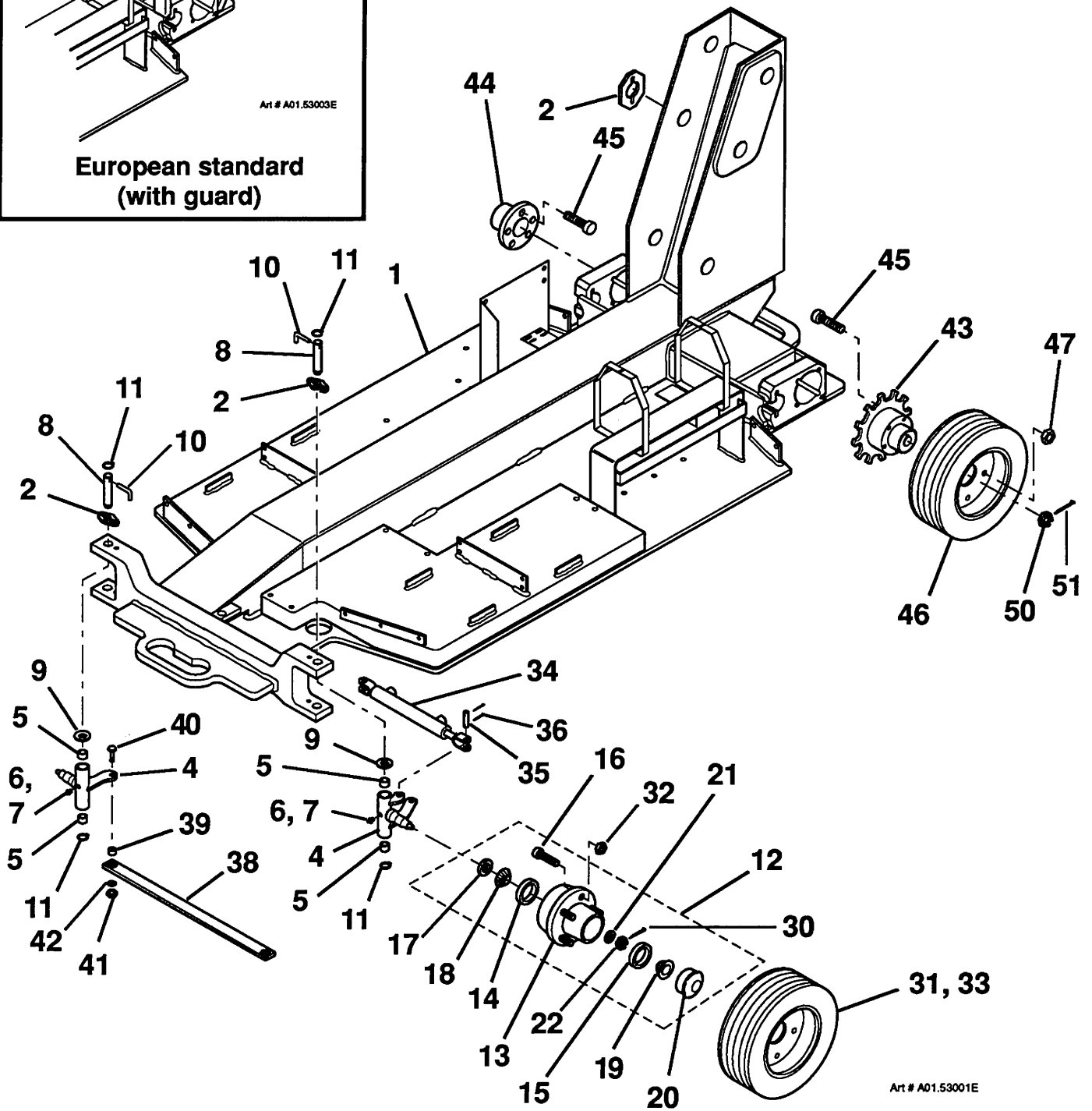
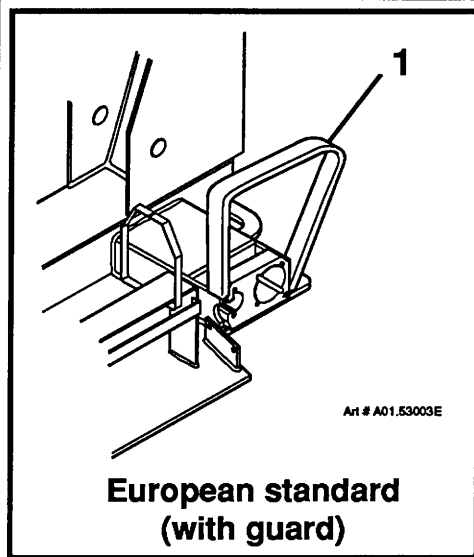
PLATE
NO.

01.53

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TITLE				UNDERCARRIAGE, FALCON 2548 (PLATE 2 OF 5)			
PLATE NO.	01.53	SIMON AERIALS INC.			NEW 22 OCT., 1992	PART NO.	

**PART
NO.**



TITLE

UNDERCARRIAGE, FALCON 2548 (PLATE 2 OF 5)

SIMON AERIALS INC.

NEW 22 OCT., 1992

PART
NO.

PLATE
NO.

01.53

PARTS LIST

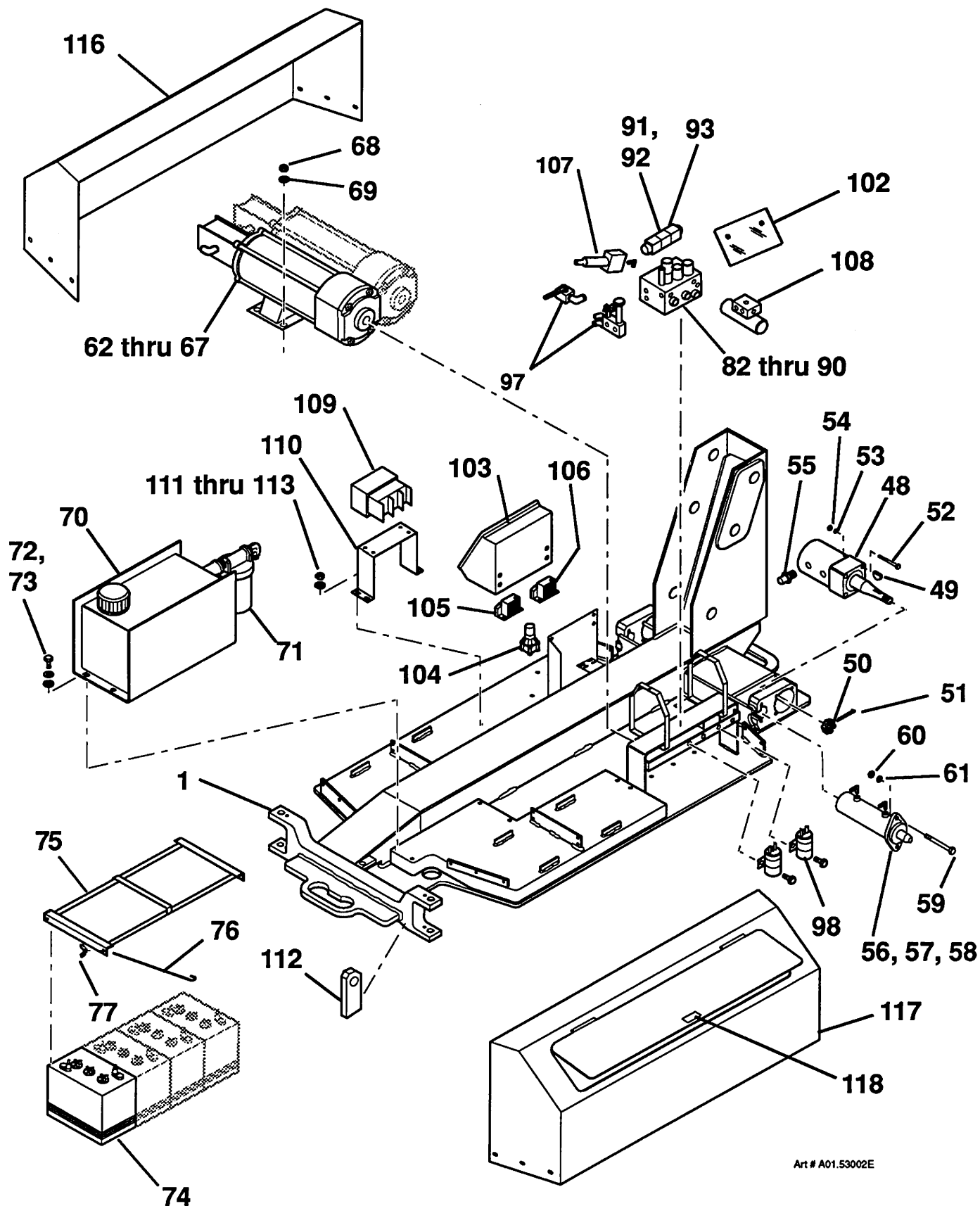
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
48			MOTOR, DRIVE	
	01-097300	26.55	Motor identification tag reads "RE 240 70300"	2
	01-201600	26.54	Motor identification tag reads "RE 320 70300"	2
	01-205400	26.52	Motor identification tag reads "RE 322 03100 "	2
49			KEY, WOODRUFF (5/16")	1
50			NUT, CASTLE	1
51	07-070507		PIN, COTTER (1/8" x 1-3/4")	1
52	07-003101		SCREW, HEX HEAD (1/2"-13 x 5", Grade 5)	8
53	2169150		WASHER, FLAT (clipped)	8
54	07-050018		NUT, HEX LOCK (1/2"-13, Grade 5)	8
55	06-040300		CONNECTOR, STRAIGHT THREAD (8-10 F50X-S)	2
56	See plate . .	11.53	CYLINDER, BRAKE	1
57	06-000400		CONNECTOR, MALE (4-4 FTX-S)	1
58	06-000700		CONNECTOR, MALE (6 FTX-S)	1
59	07-003050		CAP SCREW, HEX HEAD (3/8"-16 x 2-1/4", Grade 5)	2
60	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
61	07-062016		WASHER, FLAT (3/8")	2
62	See plate . .	12.51	MOTOR AND PUMP ASSEMBLY	2
63			MOTOR, PERMANENT MAGNET	1
64	01-097406		PUMP, HYDRAULIC	1
65	06-205200		INSERT, BEADED (45°, 3/4" hose, #8 SAE)	2
66	09-050100		CLAMP, HOSE (1-1/4")	1
67	06-047000		ELBOW, 45° STRAIGHT THREAD (6 V50X-S) (for motor #1)	1
	06-039800		CONNECTOR (6 F50X-S) (option, for motor #1)	1
	06-044600		ELBOW (6 C50X-S) (option, for motor #1)	1
	06-044600		ELBOW, STRAIGHT THREAD (6 C50X-S) (for motor #2)	2
68	07-050015		NUT, LOCK (5/16"-18, Grade 5)	8
69	07-062015		WASHER, FLAT (5/16")	8
70	See plate . .	24.53	TANK ASSEMBLY, HYDRAULIC	1
71	01-081501		ELEMENT, RETURN FILTER (10 Micron)	1
72	07-050014		NUT, HEX STOP (1/4"-20, Grade 5)	4
73	07-062014		WASHER, FLAT (1/4")	4
74	03-053700		BATTERY (6 Volt DC, 217 Amp-hour, Deep cycle)	8
75	2175670		BRACKET, BATTERY HOLD DOWN	2
76	2161560		ROD, BATTERY TIE DOWN	8
77	07-056014		NUT, WING (1/4"-20)	8
78	03-406400		CABLE, BATTERY [black, 8" (203 mm) long]	6
79	03-482500		CABLE, BATTERY [black, 15" (381 mm) long]	3
80	03-471200		CABLE, BATTERY [red, 48" (1.22 M) long]	1
81	03-482600		CABLE, BATTERY [red, 60" (1.52 M) long]	1

TITLE UNDERCARRIAGE, FALCON 2548 (PLATE 3 OF 5)

PLATE NO. 01.53 **SIMON AERIALS INC.**

NEW 22 OCT., 1992

PART NO.



Art # A01.53002E

TITLE

UNDERCARRIAGE, FALCON 2548 (PLATE 3 OF 5)

SIMON AERIALS INC.

NEW 22 OCT., 1992

PART
NO.

PLATE
NO.

01.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
82	01-206100	23.52	BLOCK, MANIFOLD	1
83	06-000400		CONNECTOR, MALE (4-4 FTX-S)	2
84	06-003500		ELBOW, MALE (4-4 CTX-S)	1
85	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	3
86	06-040100		CONNECTOR, STRAIGHT THREAD (8 F50X-S)	3
87	06-044600		ELBOW, STRAIGHT THREAD (6 C50X-S)	2
88	06-044700		ELBOW, STRAIGHT THREAD (6-8 C50X)	1
89	06-063800		CAP (4 FNTX-S)	2
90	06-086600		ADAPTER (6-1/4 F50GS)	1
91	01-205500	27.54	VALVE, DIRECTIONAL	1
92	01-205501		SEAL KIT, DIRECTIONAL VALVE	1
93	01-205513		SOLENOID, DIRECTIONAL VALVE	1
94	07-003059		CAP SCREW, HEX HEAD (3/8"-16 x 5", Grade 5)	2
95	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
96	07-062016		WASHER, FLAT (3/8")	2
97	3526410	27.55	VALVE ASSEMBLY, BRAKE RELEASE	1
98	03-603600		SOLENOID, MOTOR CONTACTOR (24 Volt, single pole, normally open)	2
99	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8")	4
100	07-050014		NUT, LOCK (1/4"-20)	4
101	07-062014		WASHER, FLAT (1/4")	4
102	2199070	07.51	COVER, SOLENOID (Lexan) (German standards)	1
103	2183810		PANEL ASSEMBLY, GROUND CONTROL	1
104	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1
	03-487200		SENSOR, LEVEL (3°, 2 second delay)	1
	03-479300		SENSOR, LEVEL (2°, 2 second delay)	1
105	03-466100		ALARM, TILT (97 db, 12-48 Volt DC)	1
106	03-464600		ALARM, TRAVEL (102 db, 12-48 Volt DC) (option)	1
107	01-011400	11.58	VALVE, RELIEF (Overload protection, Japanese standards)	1
108	3524910		CYLINDER ASSEMBLY, CUSHION	1

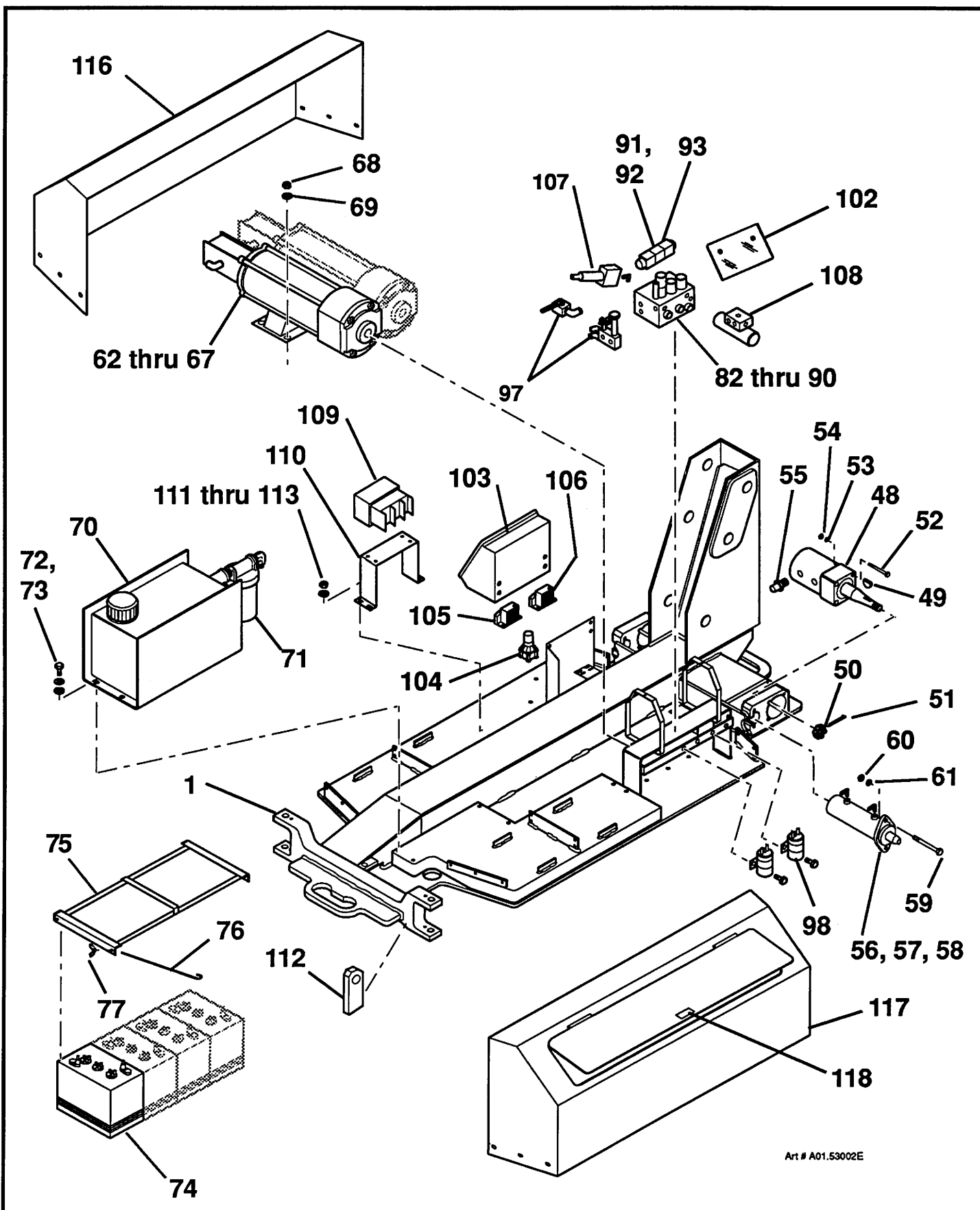
TITLE UNDERCARRIAGE, FALCON 2548 (PLATE 4 OF 5)

PLATE NO. 01.53

SIMON AERIALS INC.

NEW 22 OCT., 1992

PART NO.



Art # A01.53002E

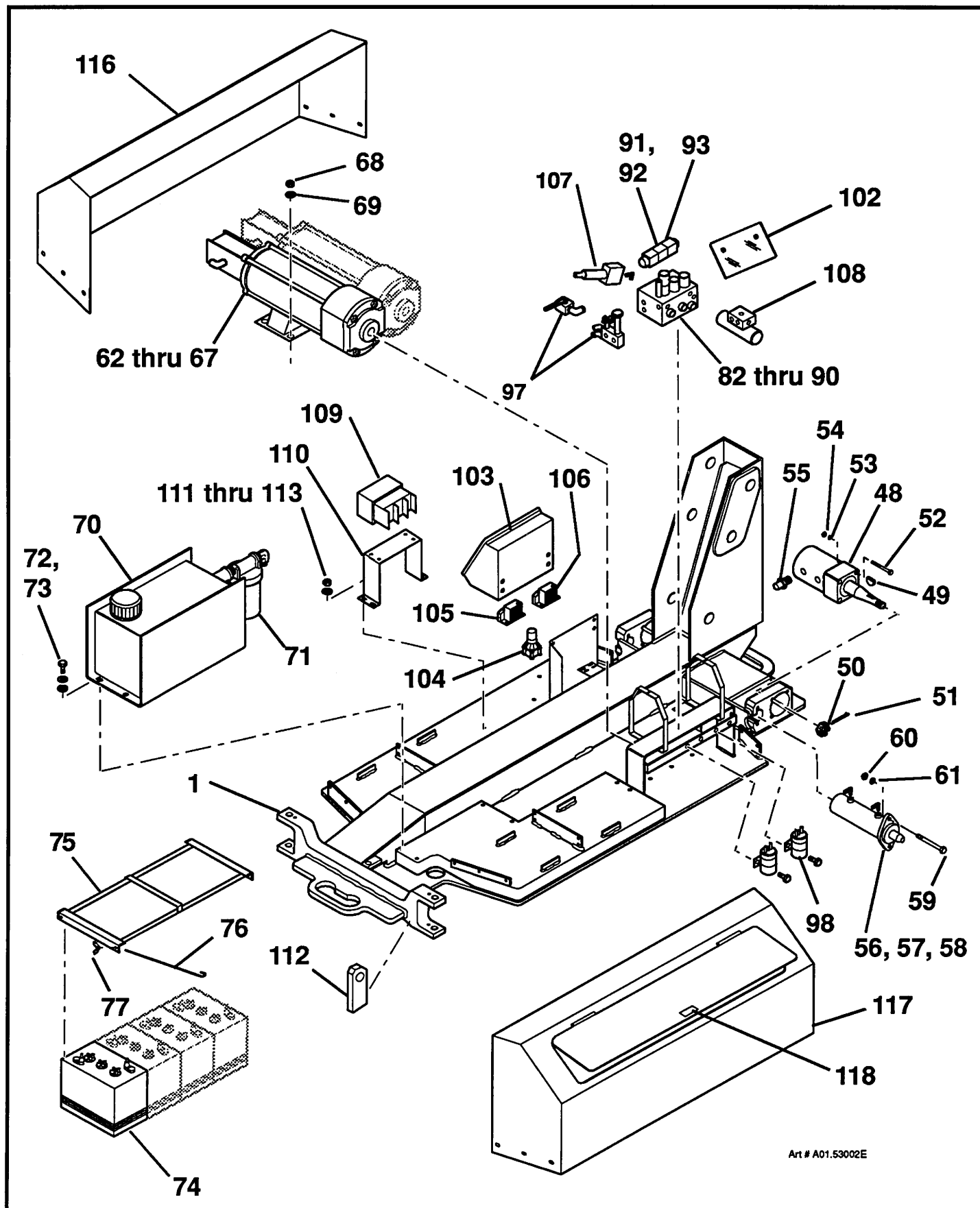
TITLE	UNDERCARRIAGE, FALCON 2548 (PLATE 4 OF 5)	
SIMON AERIALS INC.	PART NO.	PLATE NO. 01.53

NEW 22 OCT., 1992

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
109	03-478300		CHARGER, BATTERY (except Europe or Japan) (110 Volt AC input, 60 hz, 40 Amp, 24 Volt DC output)	1
	03-480800		CHARGER, BATTERY (for Europe) (230 Volt AC input, 50 hz, 40 Amp, 24 Volt DC output)	1
	03-487600		CHARGER, BATTERY (for Japan) (Dual range, 110/ 220 Volt AC input, 50/ 60 hz, 32 Amp)	1
110	2181560		BRACKET, BATTERY CHARGER (To mount 110 or 230 Volt charger next to control box)	1
	2189420		BRACKET, BATTERY CHARGER (To mount dual range charger beneath control box)	1
111	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
112	07-050014		NUT, LOCK (1/4"-20, Grade 5)	8
113	07-062014		WASHER, FLAT (1/4")	8
114	3524960		CABLE ASSEMBLY, MANIFOLD (except Japan)	1
	3525760		CABLE ASSEMBLY, MANIFOLD (for Japan)	1
115	3524970		CABLE ASSEMBLY, LIFT CYLINDER (except Japan)	1
	3528040		CABLE ASSEMBLY, LIFT CYLINDER (for Japan)	1
116	2178820		COVER, COMPARTMENT (right)	1
117	2177720		COVER, COMPARTMENT (left)	1
118	10-004900		LATCH, FLUSH (locking)	2
119	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	4
120	07-062016		WASHER, FLAT (3/8")	4
121	10-109200		TRIM, QUICKEDGE (black) (Bulk, order as needed)	A.R.
122	2187310		LUG, LIFTING (option. Part of Lift Kit 2187260)	4
123	03-466200		BEACON, ROTATING (Red, 24 Volt) (option)	1
124	2167470		BRACKET, ROTATING BEACON	1

TITLE		UNDERCARRIAGE, FALCON 2548 (PLATE 5 OF 5)		
PLATE NO.	01.53	SIMON AERIALS INC.		PART NO.
		NEW 22 OCT., 1992		



Art # A01.53002E

TITLE

UNDERCARRIAGE, FALCON 2548 (PLATE 5 OF 5)

SIMON AERIALS INC.

NEW 22 OCT., 1992

PART
NO.

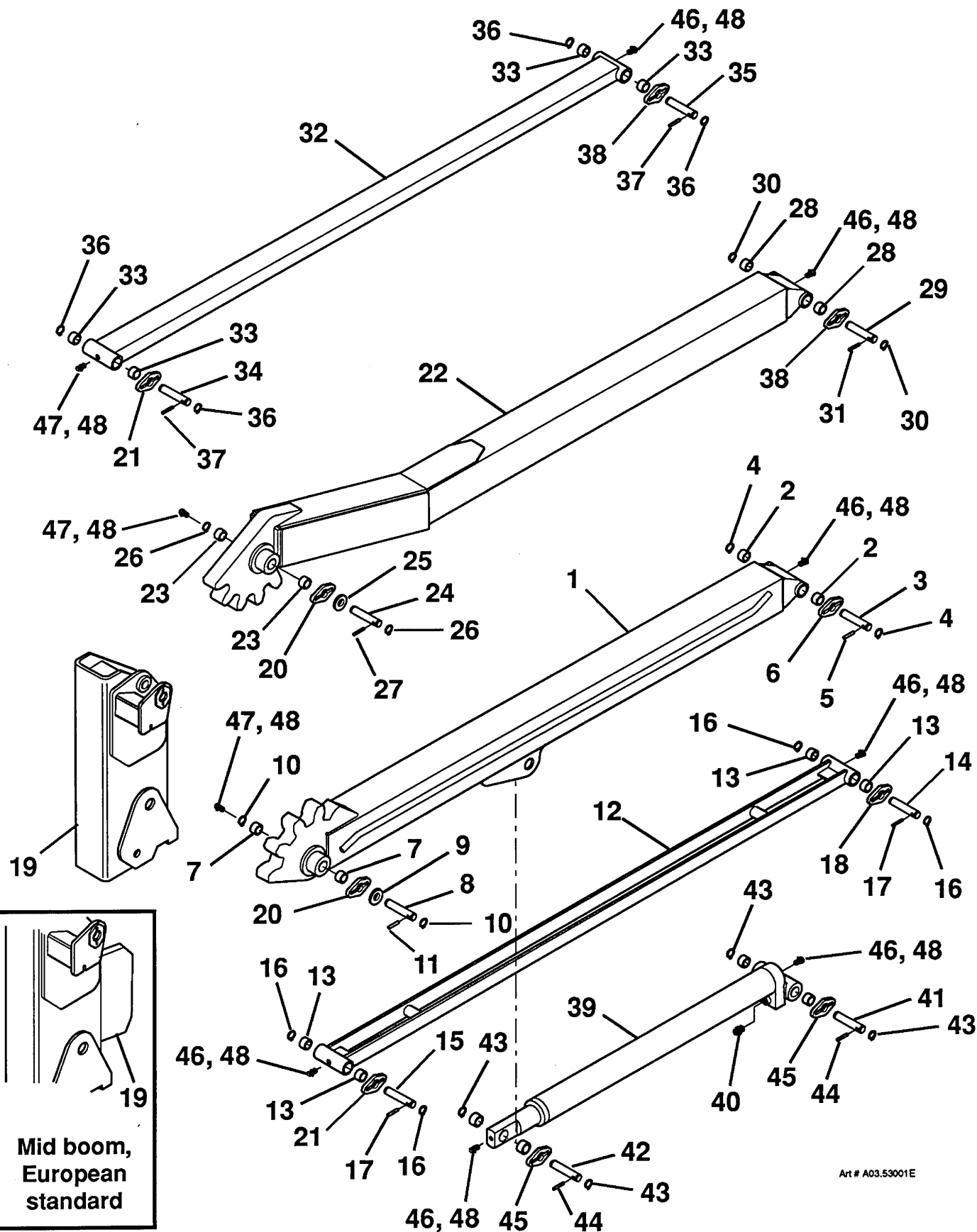
PLATE
NO.

01.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
A-C	3525030		BOOM ASSEMBLY (Model 2548, except Europe or Japan)	1
A-C	3526220		BOOM ASSEMBLY (Model 2548, European standards)	1
A-C	3525000		BOOM ASSEMBLY (Model 2548, Japanese standards)	1
A-C	3529100		BOOM ASSEMBLY (Model 2570)	1
1	2173880		BOOM WELDMENT, LOWER	1
2	08-067500		BEARING, SLEEVE (2" I.D., 2-1/4" O.D., 2" long)	2
3	2172620		PIN, LOWER BOOM PIVOT (2" x 11-3/8") (at base post)	1
4	08-041100		RING, RETAINING (2")	2
5	2170300		PIN, KEEPER (3/8" x 3-5/8")	1
6	2170310		PLATE, KEEPER (for 2" pin) (at base post)	1
7	08-067400		BEARING, SLEEVE (2-1/2" I.D., 2-7/8" O.D., 2-1/2" long)	2
8	2174320		PIN, BOOM PIVOT (2-1/2" x 13-13/16") (at mid post)	1
9	2183510		SHIM, BOOM PIN	A.R.
10	08-043000		RING, RETAINING (2-1/2")	2
11	2169840		PIN, KEEPER (3/8" x 4-1/8")	1
12	2178330		ARM WELDMENT, LOWER PARALLEL	1
13	08-067500		BEARING, SLEEVE (2" I.D., 2-1/4" O.D., 2" long)	4
14	2172620		PIN, LOWER PARALLEL ARM PIVOT (2" x 11-3/8") (at base post)	1
15	2174310		PIN, LOWER PARALLEL ARM PIVOT (2" x 13-7/8") (at mid post)	1
16	08-041100		RING, RETAINING (2")	2
17	2170300		PIN, KEEPER (3/8" x 3-5/8")	2
18	2170310		PLATE, KEEPER (for 2" pin)	1
19	2178680		MID-POST WELDMENT except for Europe. Without gear guards	1
	2186720		European standard. With gear guards	1
20	2173660		PLATE, KEEPER (for 2-1/2" pin)	2
21	2170310		PLATE, KEEPER (for 2" pin)	2
22	2178110		BOOM WELDMENT, UPPER	1
23	08-067400		BEARING, SLEEVE (2-1/2" I.D., 2-7/8" O.D., 2-1/2" long)	2
24	2174320		PIN, BOOM PIVOT (2-1/2" x 13-13/16") (at mid post)	1
25	2183510		SHIM, BOOM PIN	A.R.
26	08-043000		RING, RETAINING (2-1/2")	2
27	2169840		PIN, KEEPER (3/8" x 4-1/8")	1
28	08-067500		BEARING, SLEEVE (2" I.D., 2-1/4" O.D., 2" long)	1
29	2168530		PIN, UPPER BOOM PIVOT (2" x 9-1/8") (at upper post)	1
30	08-041100		RING, RETAINING (2")	2
31	2170300		PIN, KEEPER (3/8" x 3-5/8")	1

TITLE BOOM ASSEMBLY (GEAR TYPE) , FALCON 2548, 2570 (PLATE 1 OF 2)



TITLE BOOM ASSEMBLY (GEAR TYPE) , FALCON 2548, 2570 (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 03 MAY, 1993

PART
NO.

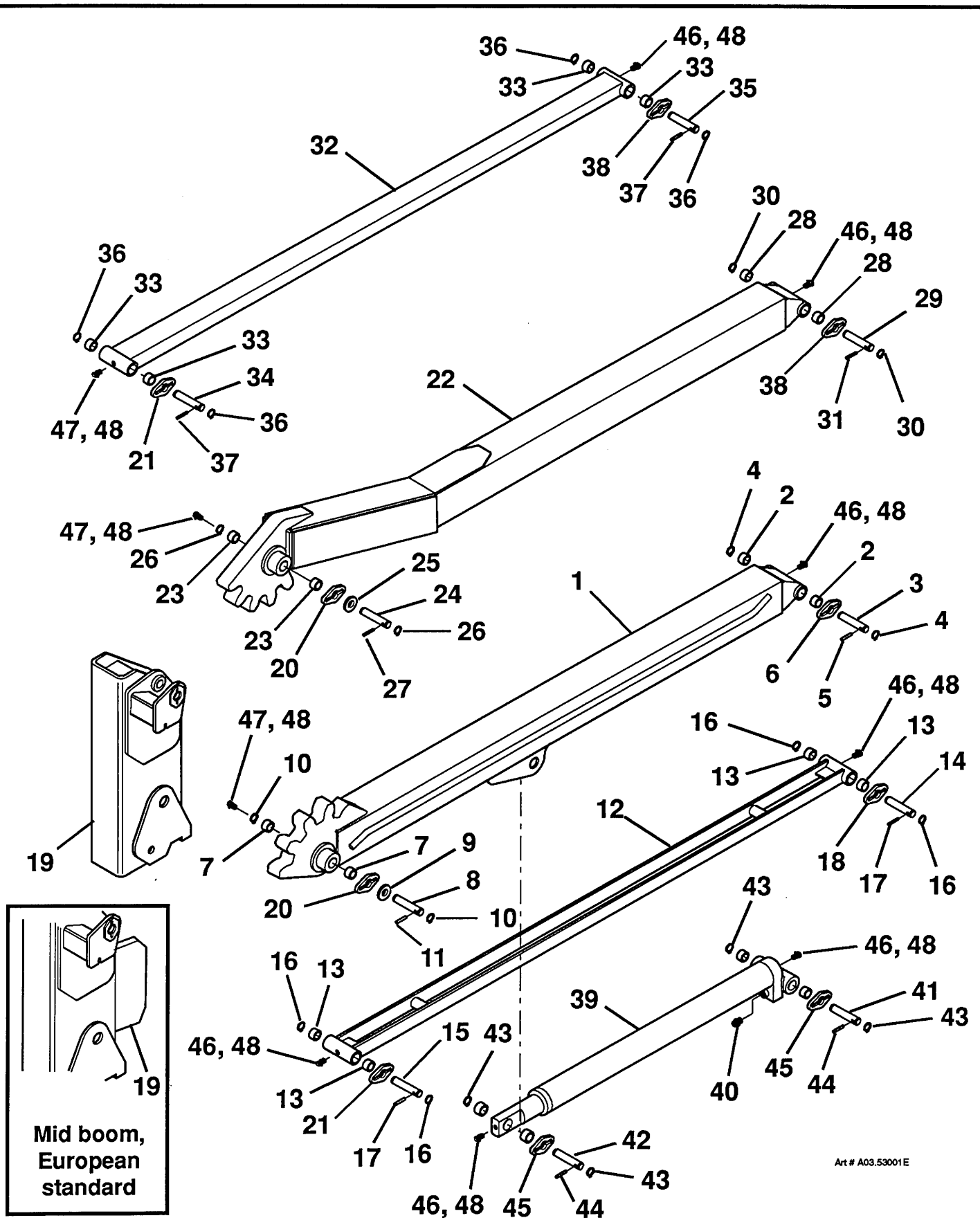
PLATE
NO. 03.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	2173640		ARM WELDMENT, UPPER PARALLEL	1
33	08-067500		BEARING, SLEEVE (2" I.D., 2-1/4" O.D., 2" long)	4
34	2178750		PIN, UPPER PARALLEL ARM PIVOT (2" x 10-1/2")	
			(at mid post)	1
35	2168530		PIN, UPPER PARALLEL ARM PIVOT (2" x 9-1/8")	
			(at upper post)	1
36	08-041100		RING, RETAINING (2")	4
37	2170300		PIN, KEEPER (3/8" x 3-5/8")	2
38	2170310		PLATE, KEEPER (for 2" pin)	2
39	04-033500	11.57	CYLINDER, LIFT (Type 1, for 2548, S/N 4998 and 4999)	1
	04-033500	11.57	CYLINDER, LIFT (Type 2, for 2548, S/N 5001 thru 5005)	1
	04-034100	11.57	CYLINDER, LIFT (Type 3, for 2548, S/N 5006 and up)	1
	04-034500	11.61	CYLINDER, LIFT (Type 4, for 2548, S/N 5006 and up)	1
	04-034500	11.61	CYLINDER, LIFT (for Model 2570)	1
40	01-098300		SWITCH, PRESSURE (350 PSI) (for cylinder 04-034100)	1
	01-213200		SWITCH, PRESSURE (900 PSI) (for cylinder 04-034500)	1
41			PIN, LIFT CYLINDER (Base end)	
	2178750		(2" x 10-1/2", for cylinder 04-033500 or 04-034100)	1
	2169430		(2" x 10-3/8", for cylinder 04-034500)	1
42	2169440		PIN, LIFT CYLINDER (Rod end) (2" x 5-1/8")	1
43	08-041100		RING, RETAINING (2")	2
44	2170300		PIN, KEEPER (3/8" x 3-5/8")	2
45	2170310		PLATE, KEEPER (for 2" pin)	2
46	08-051300		FITTING, GREASE (1/8", 90°)	6
47	08-050000		FITTING, GREASE (1/8", straight)	3
48	08-066300		CAP, GREASE FITTING (white plastic)	9
			The following items are not shown:	
49	03-485500		CABLE (Black, 21 conductor, 16 Ga.) [53 Ft. (16.15 M)]	A.R.
50	03-085900		CABLE (SJO, 3 conductor, #12 AWG) [86 Ft (26.21 M)]	A.R.
51	03-450400		CONNECTOR, PLUG (23 conductor)	3
52	03-483400		PLUG, CONNECTOR (23 conductor)	1
53	03-451000		SOCKET, TERMINAL	42
54	03-451200		CONNECTOR, PLUG (3 conductor)	3
55	03-064000		TIE, CABLE [7.4" (188 mm)]	A.R.
56	03-064700		TIE, CABLE [14.5" (368 mm)]	A.R.
57	03-066400		TIE, CABLE [20" (508 mm)] (for Model 2570 only)	2
58	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
59	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
60	10-061200		CLAMP, LOOP [3/4" (19 mm)]	2
61	10-126400		LUBRICANT, OPEN GEAR	
			(Caulk tube, for use on boom gear teeth)	A.R.

TITLE BOOM ASSEMBLY (GEAR TYPE) , FALCON 2548, 2570 (PLATE 2 OF 2)

PLATE NO.	03.53	SIMON AERIALS INC.	REV. 03 MAY, 1993	PART NO.
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TITLE BOOM ASSEMBLY (GEAR TYPE) , FALCON 2548, 2570 (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 03 MAY, 1993

PART
NO.

PLATE
NO. 03.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2174680		PLATFORM WELDMENT	1
2	10-116400		PLYWOOD, EXTERIOR GRADE (5/8" x 39" x 96")	1
3	10-116600		PLYWOOD, EXTERIOR GRADE (5/8" x 39" x 30")	1
4	07-090141		SCREW, SELF TAPPING (#12-14 x 1-1/2")	15
5	2183120		RAIL WELDMENT, SIDE	2
6	2168100		KICK BOARD, PLATFORM FRONT (without optional folding deck extension)	1
7	07-003049		SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	16
8	07-050016		NUT, HEX LOCK (3/8"-16)	16
9	07-062016		WASHER, FLAT (3/8")	16
10	2168070		RAILING, FRONT (without optional folding deck extension)	2
11	2183110		RAIL WELDMENT, REAR (entry end)	1
12	11-077900		CHAIN, SAFETY [24" (61 cm) long]	1
13	11-078000		SNAP, CHAIN (open eye)	1
14	11-083400		HOOK, SAFETY CHAIN	1
15	07-026006		BOLT, EYE (5/16"-18)	2
16	07-062015		WASHER, FLAT (5/16")	2
17	07-050015		NUT, STOP (5/16"-18, Grade 5)	2
18	2196600		PLATE, DECAL MOUNTING	1
19	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", self drill, w/ seal)	1
20	11-082100		PIN, HITCH (5/16" x 2-1/2")	2
21	10-114100		CAP, SQUARE TUBING	4
22	See plate	09.54	CONSOLE, PLATFORM CONTROL	1
23	03-062100		BOX, DUPLEX OUTLET	1
24	03-067000		OUTLET, DUPLEX (110 Volt AC)	1
25	03-062200		COVER, DUPLEX OUTLET	1
26	03-041000		GRIP, CORD	1
27	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	2
28	07-062014		WASHER, FLAT (1/4")	4
29	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
30	03-064000		TIE, CABLE (7.4")	20
31	03-064700		TIE, CABLE (14.5")	12
32	10-061200		CLAMP, LOOP (3/4")	2
33	10-061600		CLAMP (1")	1
34	10-034000		BELT, SAFETY	1
35	10-033900		LANYARD, SAFETY BELT	1

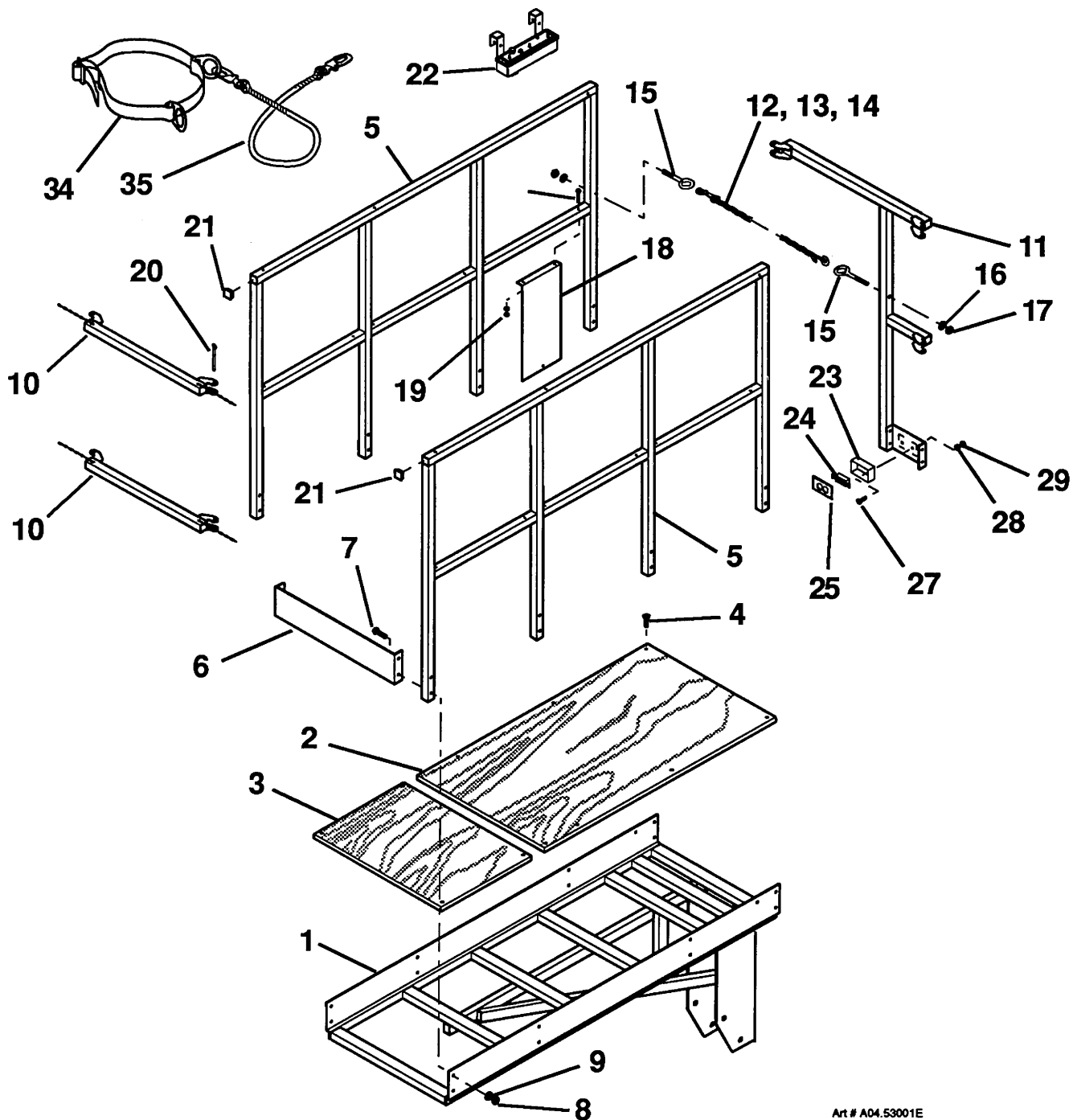
TITLE PLATFORM ASSEMBLY (FIXED RAIL), FALCON 2548 (PLATE 1 OF 2)

PLATE NO. 04.53

SIMON AERIALS INC.

NEW 19 OCT., 1992

PART NO. A-D 3525070



Art # A04.53001E

TITLE PLATFORM ASSEMBLY (FIXED RAIL), FALCON 2548 (PLATE 1 OF 2)

SIMON AERIALS INC.

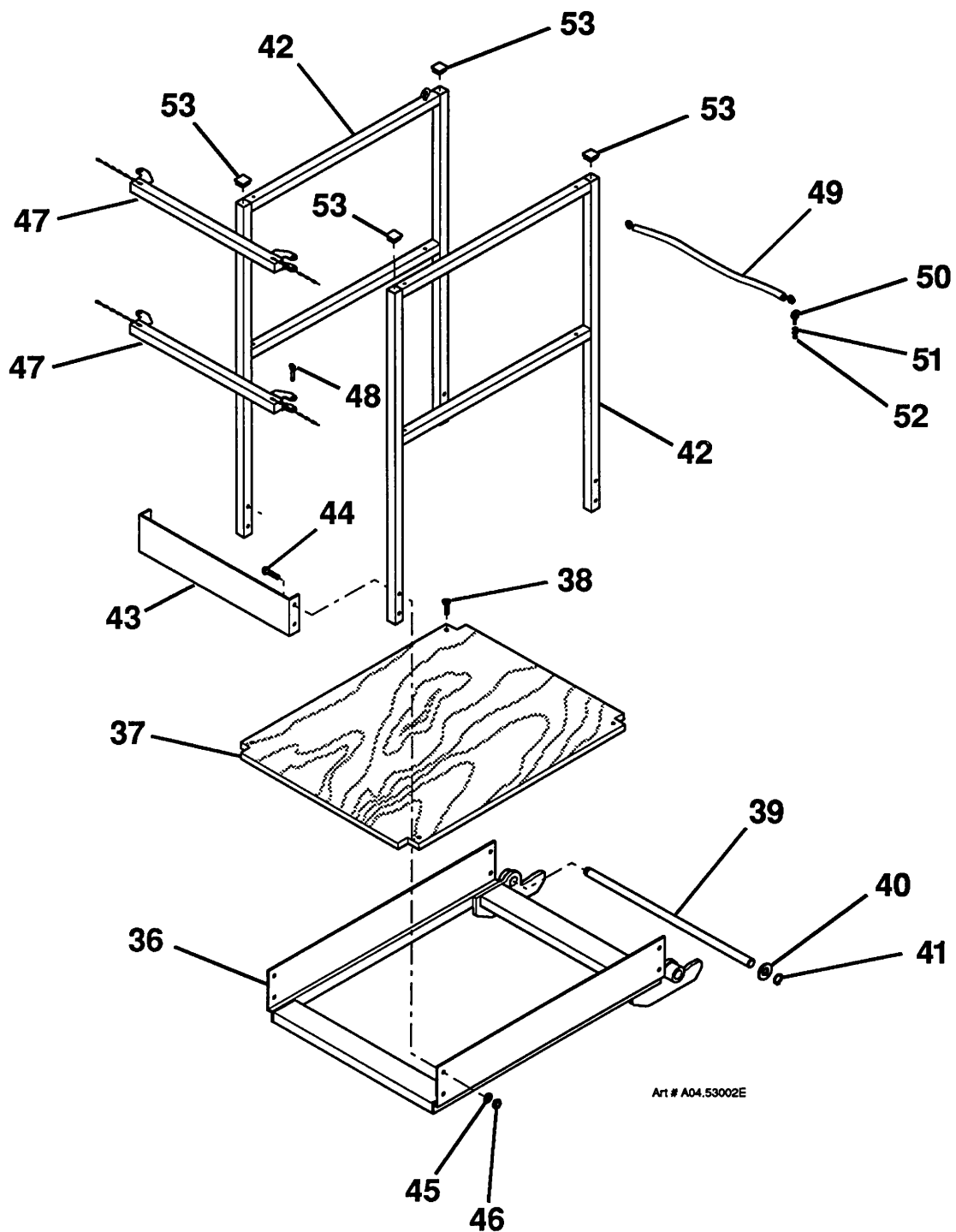
NEW 19 OCT., 1992

PART NO. A-D 3525070

PLATE NO. 04.53

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PLATE NO.	04.53	SIMON AERIALS INC.	NEW 19 OCT., 1992	PART NO.	3525090
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TITLE FOLDING DECK ASSEMBLY (FIXED RAIL), FALCON 2548 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 19 OCT., 1992

PART
NO.

3525090

PLATE
NO.

04.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2174680		PLATFORM WELDMENT	1
2	10-116400		PLYWOOD, EXTERIOR GRADE (5/8" x 39" x 96")	1
3	10-116600		PLYWOOD, EXTERIOR GRADE (5/8" x 39" x 30")	1
4	07-090141		SCREW, SELF TAPPING (#12-14 x 1-1/2")	15
5	2183270		RAIL WELDMENT, SIDE LOWER (right)	1
6	2183320		RAIL WELDMENT, SIDE LOWER (left)	1
7	2183260		RAIL WELDMENT, SIDE UPPER (right)	1
8	2183310		RAIL WELDMENT, SIDE UPPER (left)	1
9	2168100		KICK BOARD, PLATFORM FRONT	
			(without optional folding deck extension)	1
10	07-003049		SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	16
11	07-003050		SCREW, HEX HEAD (3/8"-16 x 2-1/4", Grade 5)	8
12	07-050016		NUT, HEX LOCK (3/8"-16)	24
13	07-062016		WASHER, FLAT (3/8")	32
14	2168070		RAILING, FRONT (without optional folding deck extension)	2
15	2183250		RAIL WELDMENT, REAR LOWER (entry end)	1
16	2183340		RAIL WELDMENT, REAR UPPER (entry end)	1
17	11-077900		CHAIN, SAFETY (24")	1
18	11-078000		SNAP, CHAIN (open eye)	1
19	11-083400		HOOK, SAFETY CHAIN	1
20	07-026006		BOLT, EYE (5/16")	2
21	07-062015		WASHER, FLAT (5/16")	2
22	07-050015		NUT, STOP (5/16"-18, Grade 5)	2
23	2196600		PLATE, DECAL MOUNTING	1
24	07-029365		SCREW, HEX WASHER HEAD (#12 x 1", self drill, w/ seal)	1
25	11-082100		PIN, HITCH (5/16" x 2-1/2")	6
26	10-114100		CAP, SQUARE TUBING	4
27	See plate	09.54	CONSOLE, PLATFORM CONTROL	1
28	03-062100		BOX, DUPLEX OUTLET	1
29	03-067000		OUTLET, DUPLEX (110 Volt AC)	1
30	03-062200		COVER, DUPLEX OUTLET	1
31	03-041000		GRIP, CORD	1
32	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	2
33	07-062014		WASHER, FLAT (1/4")	4
34	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2
35	03-064000		TIE, CABLE (7.4")	20
36	03-064700		TIE, CABLE (14.5")	12
37	10-061200		CLAMP, LOOP (3/4")	2
38	10-061600		CLAMP (1")	1
39	10-034000		BELT, SAFETY	1
40	10-033900		LANYARD, SAFETY BELT	1

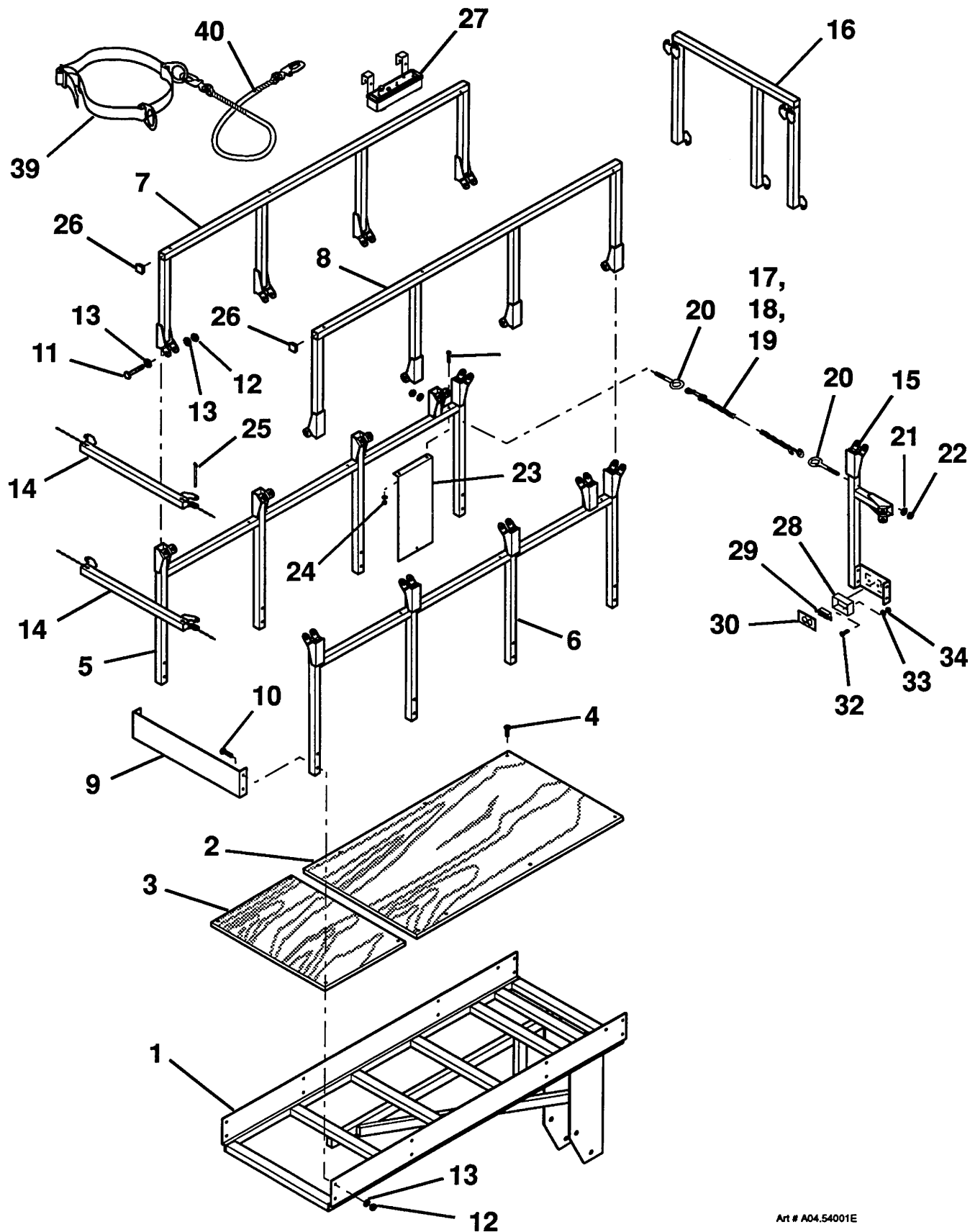
TITLE PLATFORM ASSEMBLY (FOLDING RAIL), FALCON 2548 (PLATE 1 OF 2)

PLATE NO. 04.54

SIMON AERIALS INC.

NEW 19 OCT., 1992

PART NO. A-D 3525830



Art # A04.54001E

TITLE PLATFORM ASSEMBLY (FOLDING RAIL), FALCON 2548 (PLATE 1 OF 2)

SIMON AERIALS INC.

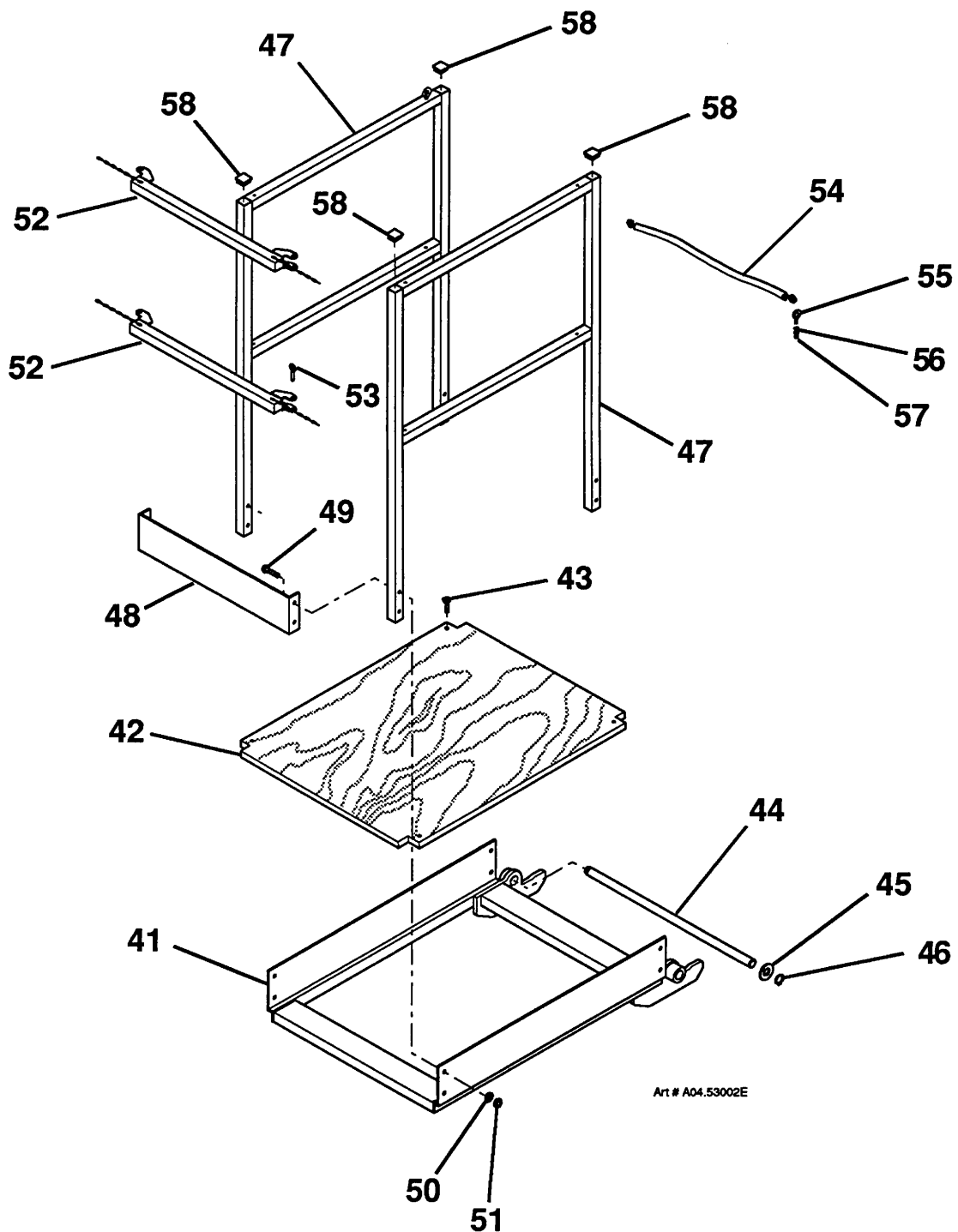
NEW 19 OCT., 1992

PART NO. A-D 3525830

PLATE NO. 04.54

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PLATE NO.	04.54	SIMON AERIALS INC.	NEW 19 OCT., 1992	PART NO.	3525090
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Art # A04.53002E

TITLE FOLDING DECK ASSEMBLY, FALCON 2548 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 19 OCT., 1992

PART
NO.

3525090

PLATE
NO.

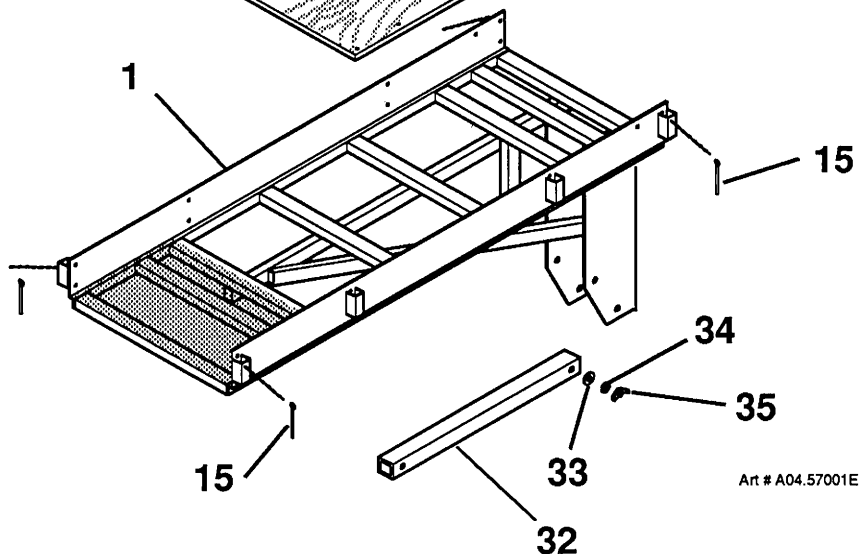
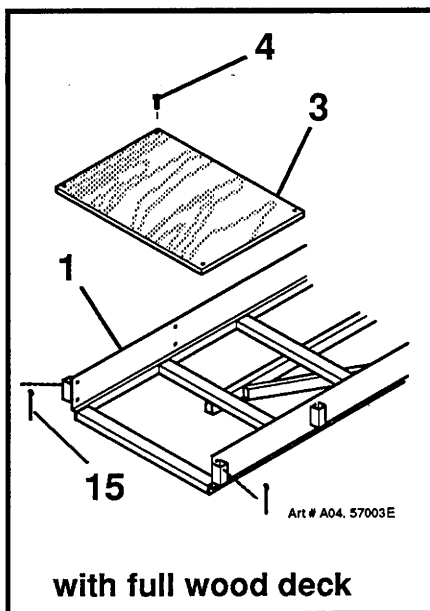
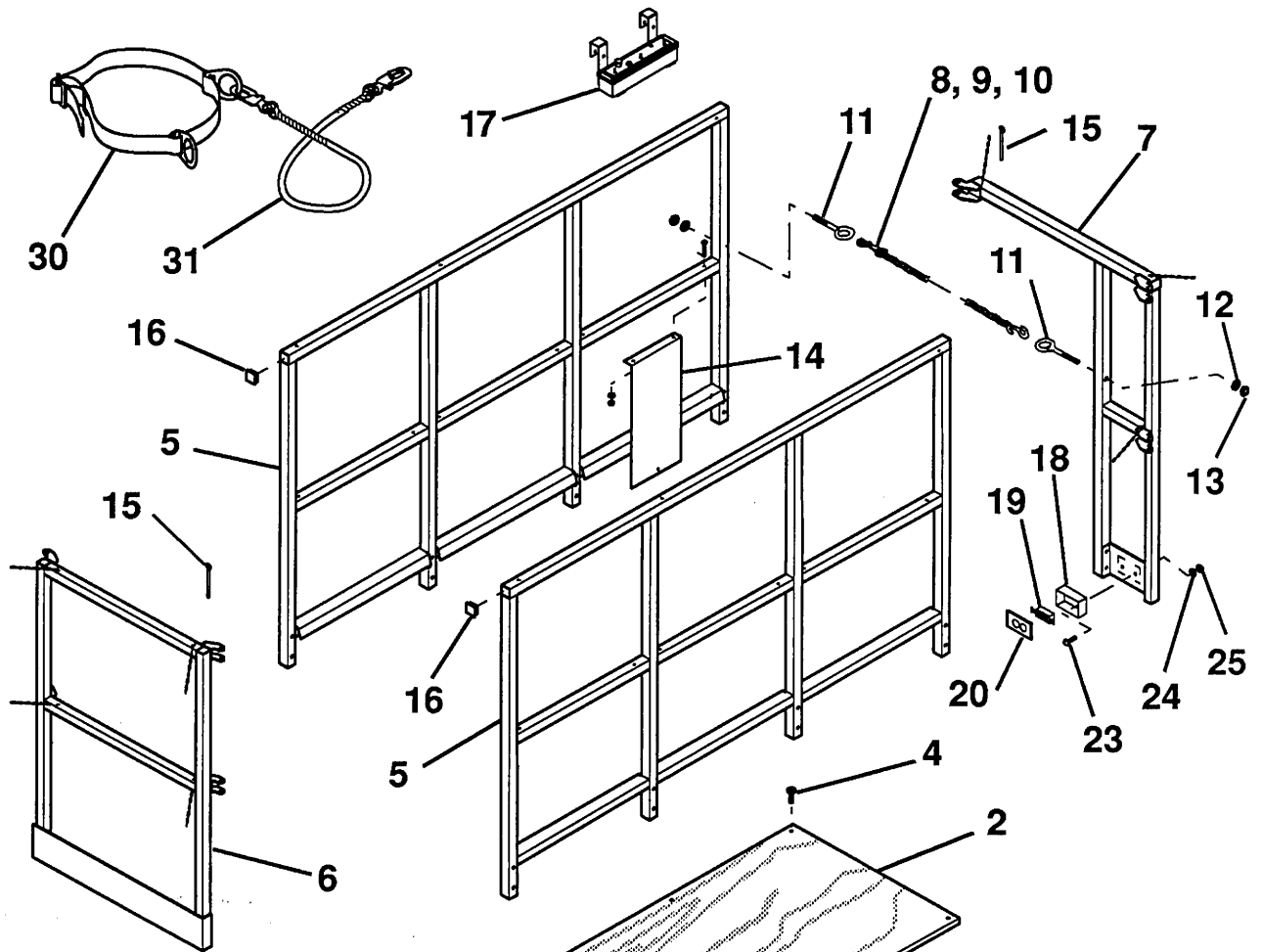
04.54

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2187330		PLATFORM WELDMENT (with partial expanded metal deck)	1
	2189670		PLATFORM WELDMENT (with full wooden deck)	1
2	10-124000		PLYWOOD, EXTERIOR GRADE	
			(5/8" x 39" x 90-1/2", with partial expanded metal deck)	1
	10-116400		PLYWOOD, EXTERIOR GRADE	
			(5/8" x 39" x 96", with full wooden deck)	1
3	10-116600		PLYWOOD, EXTERIOR GRADE	
			(5/8" x 39" x 30", with full wooden deck)	1
4	07-090141		SCREW, SELF TAPPING (#12-14 x 1-1/2")	A.R.
5	2189780		RAIL WELDMENT, SIDE	2
6	2189760		RAIL WELDMENT, FRONT (without folding deck)	1
7	2189700		RAIL WELDMENT, PLATFORM ENTRY	1
8	11-077900		CHAIN, SAFETY [24" (61 cm) long]	1
9	11-078000		SNAP, CHAIN (open eye)	1
10	11-083400		HOOK	1
11	07-026006		BOLT, EYE (5/16")	2
12	07-062015		WASHER, FLAT (5/16")	2
13	07-050015		NUT, STOP (5/16"-18, Grade 5)	2
14	2166320		PLATE, DECAL MOUNTING	1
15	11-082100		PIN, HITCH (5/16" x 2-1/2")	11
16	10-114100		CAP, SQUARE TUBING	4
17	See plate .	09.54	CONSOLE, PLATFORM CONTROL	1
18	03-062100		BOX, DUPLEX OUTLET (except Japan)	1
19	03-067000		OUTLET, DUPLEX (110 Volt AC) (except Japan)	1
20	03-062200		COVER, DUPLEX OUTLET (except Japan)	1
21	03-041000		GRIP, CORD	
			(except Japan)	2
			(for Japan)	1
22	03-055500		NUT, CONDUIT (1/2") (except Japan)	1
23	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
24	07-062014		WASHER, FLAT (1/4")	4
25	07-050014		NUT, LOCK (1/4"-20, Grade 5)	3
26	03-064000		TIE, CABLE [7.4" (188 mm) long]	20
27	03-064700		TIE, CABLE [14.5" (368 mm) long]	12
28	10-061200		CLAMP, LOOP (3/4")	2
29	10-061600		CLAMP (1")	1
30	10-034000		BELT, SAFETY	1
31	10-033900		LANYARD, SAFETY BELT	1
32	2187300		BRACE (Part of Lift Kit 2187260)	2
33	07-062015		WASHER, FLAT (5/16")	4
34	07-065015		WASHER, HELICAL LOCK (5/16")	4
35	07-056015		WING NUT (5/16"-18)	4

TITLE PLATFORM (REMOVABLE RAIL) FALCON 2548 (PLATE 1 OF 2)

PLATE NO. 04.57	SIMON AERIALS INC.	NEW 07 FEB., 1992	PART NO. 3528030
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Art # A04.57001E

TITLE PLATFORM (REMOVABLE RAIL) FALCON 2548 (PLATE 1 OF 2)

SIMON AERIALS INC.

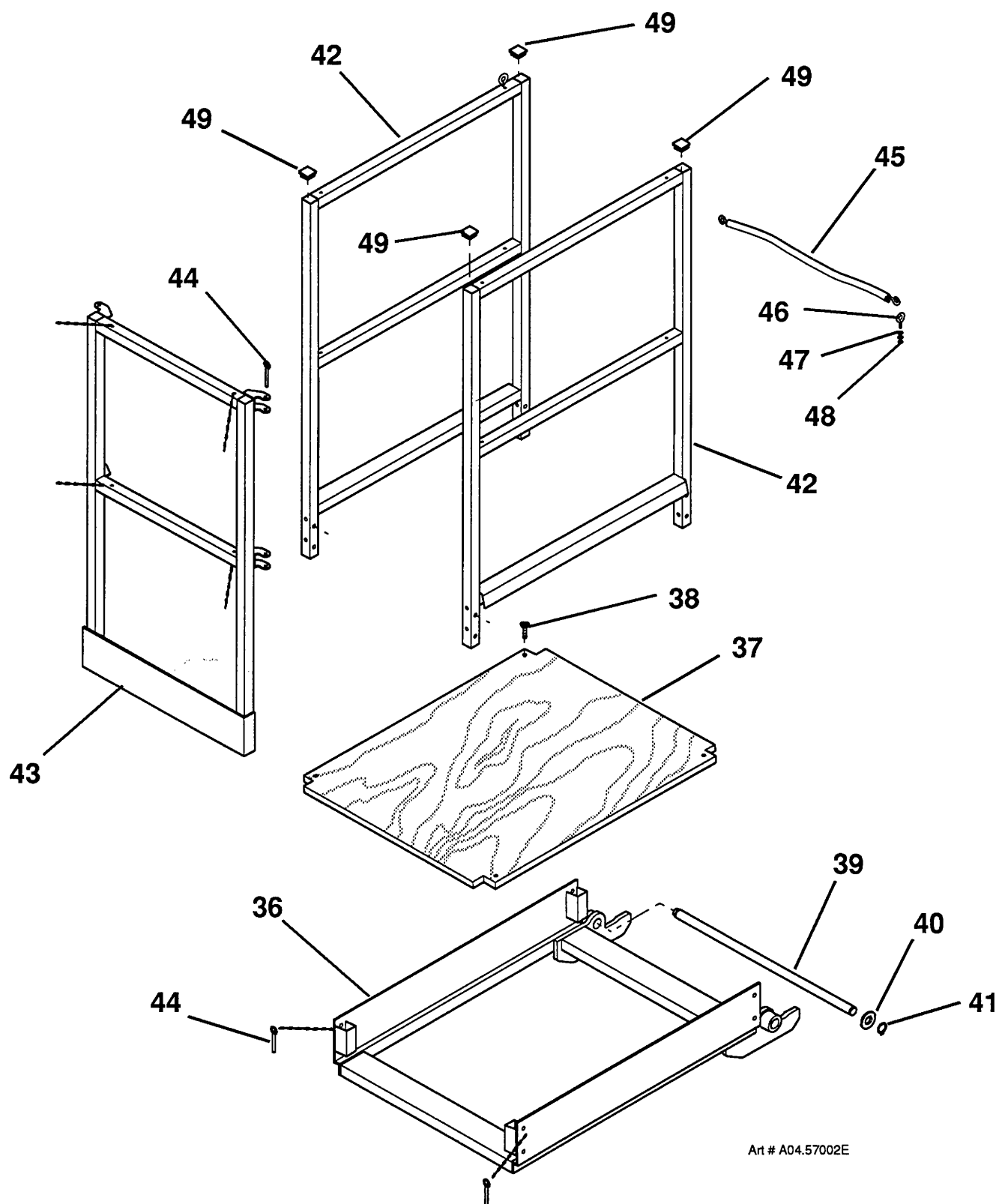
NEW 07 FEB., 1992

PART NO. 3528030

PLATE NO. 04.57

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PLATE NO.	04.57	SIMON AERIALS INC.	NEW 07 FEB., 1992	PART NO.	3528030
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Art # A04.57002E

TITLE FOLDING DECK (REMOVABLE RAIL), FALCON 2548 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 07 FEB., 1992

PART
NO.

3528030

PLATE
NO.

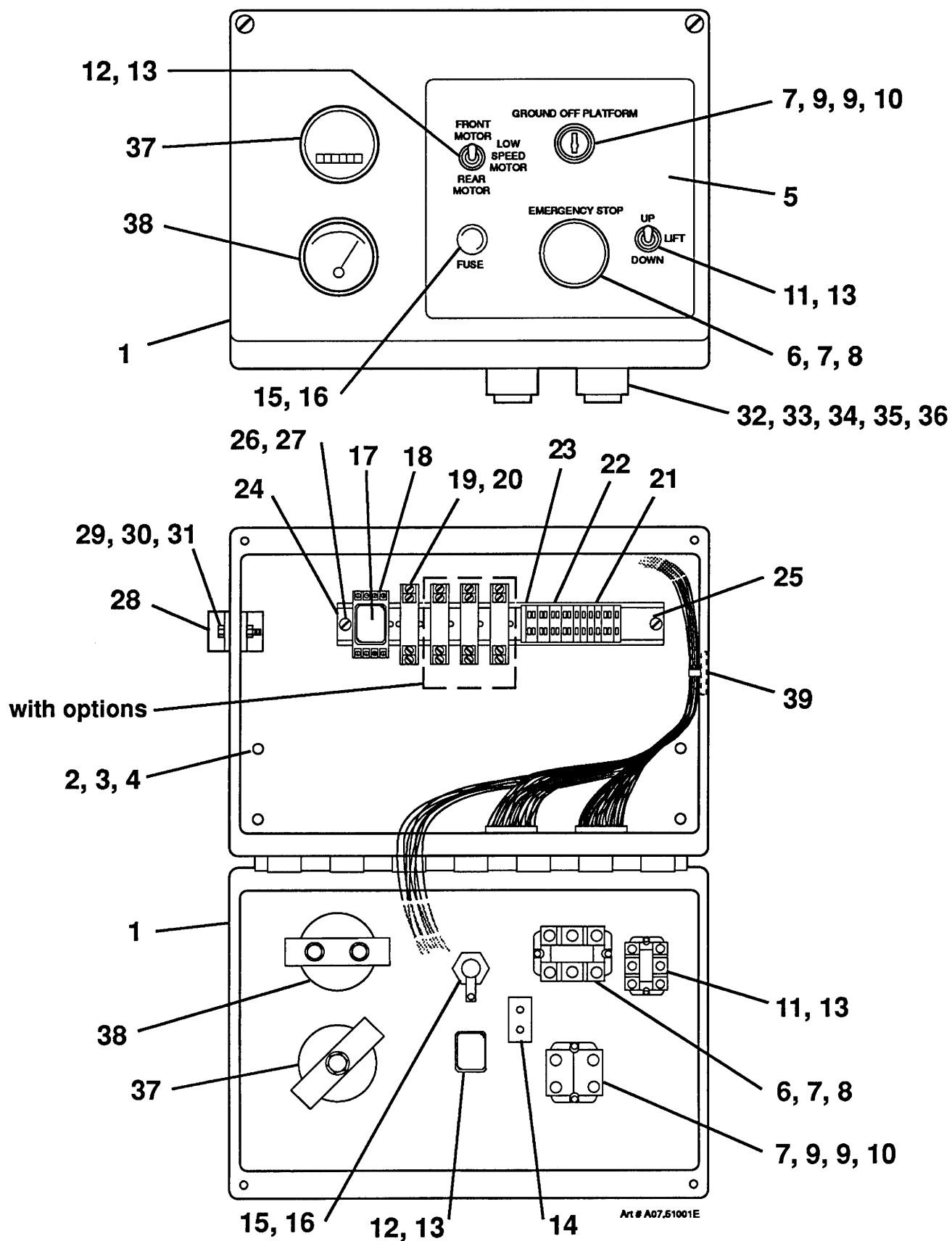
04.57

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2183800		BOX, GROUND CONTROL (8" x 12" x 7", includes cover)	1
2	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	4
3	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4
4	07-062014		WASHER, FLAT (1/4")	4
5	10-121800		DECAL, GROUND CONTROL	1
6	03-409800		BUTTON, EMERGENCY STOP	1
7	03-454900		BASE, SWITCH MOUNTING	2
8	03-437300		BLOCK, CONTACT (normally closed)	1
9	03-437200		BLOCK, CONTACT (normally open)	6
10	03-486500		SWITCH, KEY OPERATED (3 position) (includes 2 keys)	1
11	03-020500		SWITCH, TOGGLE (Lift) (1TL-7) (3 position, intermittent contact, 2 pole, double throw)	1
12	03-023800		SWITCH, TOGGLE (Motor select) (2TL-3) (2 position, maintained contact, 2 pole, double throw)	1
13	03-497900		SEAL, PANEL	2
14	03-403800		DIODE (10 ohm)	1
15	03-468400		FUSE (15 Amp, fast acting) (1/4" x 1-1/4") (except Japan)	1
	03-471700		BREAKER, CIRCUIT (15 Amp) (for Japan)	1
16	03-468300		HOLDER, FUSE	1
17	03-486600		RELAY, PLUG IN (24 Volt DC, double pole, single throw)	1
18	03-037500		BASE, RELAY	1
19	03-486700		RELAY, PLUG IN (24 Volt DC, single pole, single throw)	A.R.
20	03-051600		BASE, RELAY	A.R.
21	03-036400		BLOCK, TERMINAL (2 conductor)	5
22	03-036500		BLOCK, TERMINAL (4 conductor)	5
23	03-036700		PLATE, TERMINAL BLOCK END	1
24	03-051700		RAIL, TERMINAL [1 M (39.4") long] [9-3/4" (248 mm) long section needed for this application]	1
25	03-036600		RAIL, TERMINAL [1 M (39.4") long] [4" (102 mm) long section needed for this application]	1
26	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4")	4
27	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	4

TITLE GROUND CONTROL PANEL, FALCON 2548 (PLATE 1 OF 2)

PLATE NO. 07.51 SIMON AERIALS INC. NEW 20 OCT., 1992 PART NO. 2183810



TITLE GROUND CONTROL PANEL, FALCON 2548 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 20 OCT., 1992

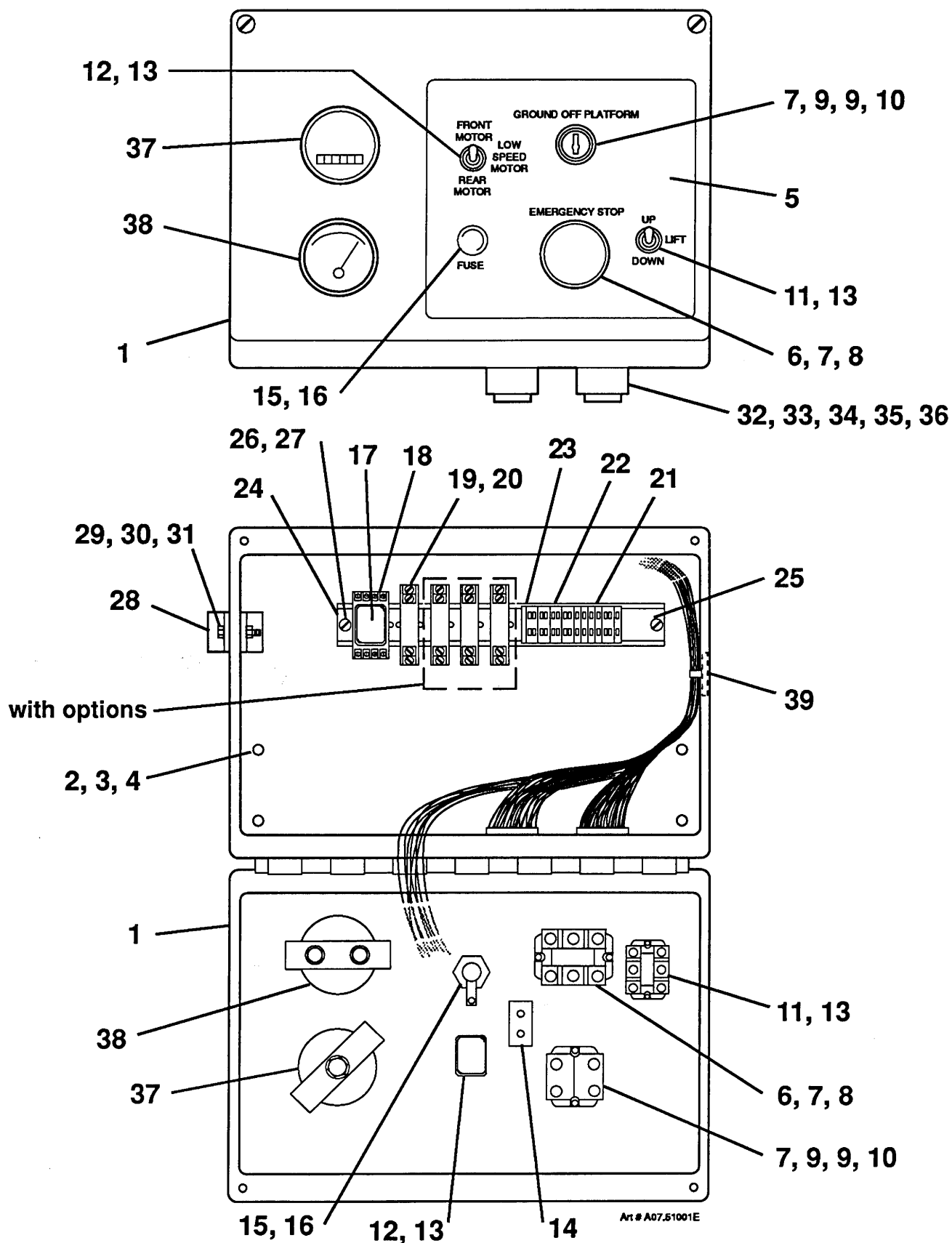
PART NO. 2183810

PLATE NO. 07.51

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TITLE GROUND CONTROL PANEL, FALCON 2548 (PLATE 2 OF 2)

PLATE NO. 07.51	SIMON AERIALS INC.	NEW 20 OCT., 1992	PART NO. 2183810
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TITLE GROUND CONTROL PANEL, FALCON 2548 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 20 OCT., 1992

PART NO. 2183810

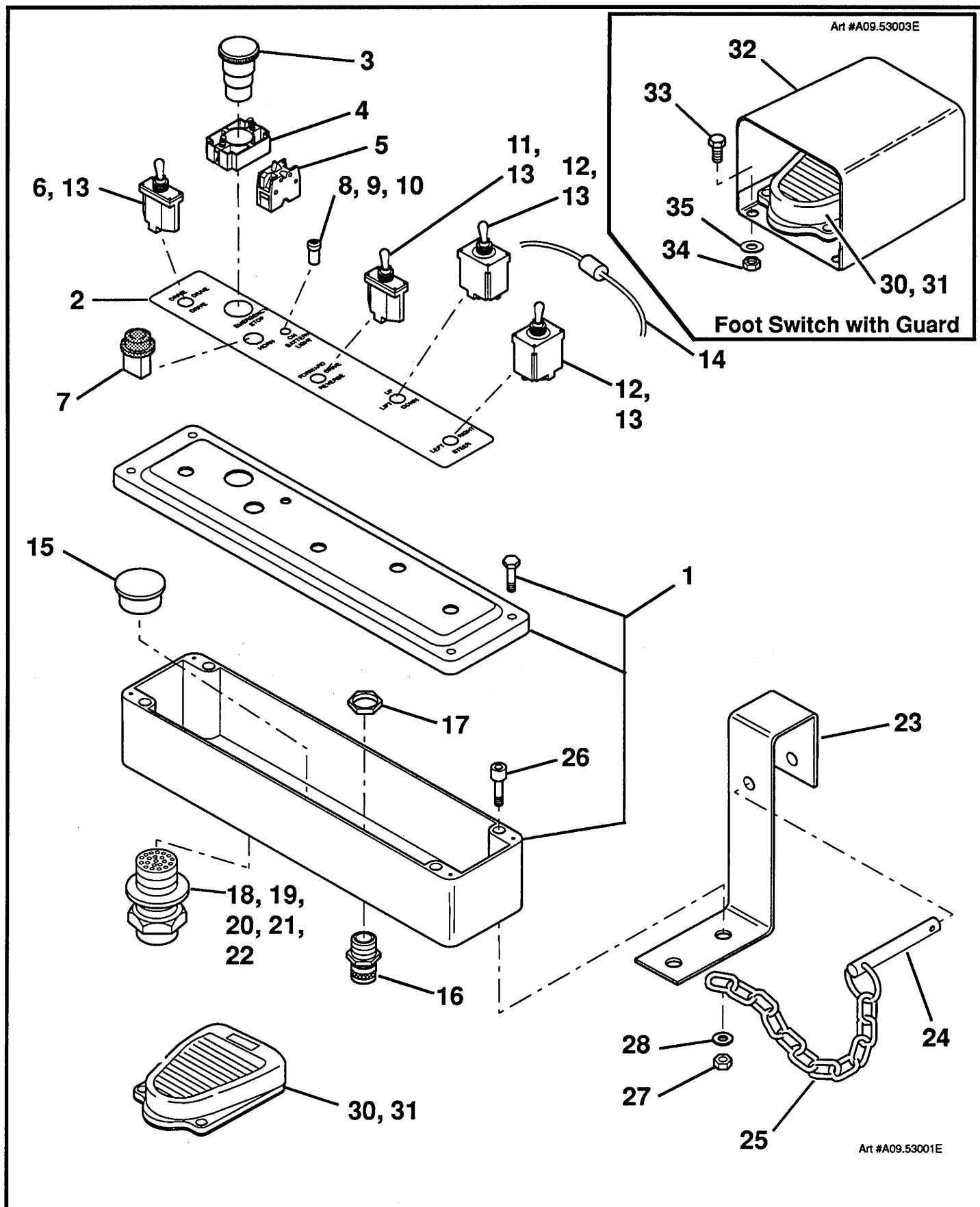
PLATE NO. 07.51

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	2183230		BOX, PLATFORM CONTROL (drilled. Includes cover)	1
2	10-121700		DECAL, PLATFORM CONTROL	1
3	03-409800		BUTTON, EMERGENCY STOP	1
4	03-454900		BASE, SWITCH MOUNTING	1
5	03-437300		BLOCK, CONTACT (normally closed)	1
6	03-486200		SWITCH, TOGGLE (Lift/ drive speed) (2TL1-2)	1
			(2 position, maintained contact, 2 pole, single throw)	1
7	03-020300		SWITCH, PUSH BUTTON (for optional horn)	1
8	03-481200		DIODE, BLINKING (Red) (for optional low battery indicator)	1
9	03-481300		HOLDER, DIODE	1
10	03-481100		RESISTOR (470 ohm)	1
11	03-486300		SWITCH, TOGGLE (Drive) (4TL1-7)	1
			(3 position, momentary contact, 4 pole, single throw)	1
12	03-020600		SWITCH, TOGGLE (Steer and Lift) (2TL1-7)	1
			(3 position, momentary contact, 2 pole, double throw)	2
13	03-497900		SEAL, PANEL	4
14	03-403800		DIODE (10 ohm)	1
15	03-479300		ALARM, TILT (60 - 80 db) (option)	1
16	03-045500		GRIP, CORD (1/2")	2
17	03-055500		NUT, CONDUIT LOCK (1/2")	1
18	03-450100		CONNECTOR, RECEPTACLE (23 pin)	1
19	03-450900		PIN, TERMINAL	23
20	03-450200		NUT, PANEL	1
21	03-450300		WASHER, LOCK	1
22	03-483400		PLUG, CONNECTOR (23 pin, with strain relief)	1
23	2161460		BRACKET, CONTROL BOX MOUNTING	2
24	11-082100		PIN, HITCH (5/16" x 2-1/2")	1
25	2161720		CHAIN [14 links, 7" (178 mm) long]	1
26	07-008354		SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4")	4
27	07-050011		NUT, STOP (#10-24, Grade 2)	4
28	07-062009		WASHER, FLAT (#8)	1
29	03-424100		INDICATOR, BATTERY CONDITION (24 Volt DC) (option)	1
30	03-465600		SWITCH, FOOT OPERATED (double pole, double throw)	1
31	03-465602		MICROSWITCH	2
32	03-465601		GUARD, FOOT SWITCH (Option. Includes hardware)	1
33			CAP SCREW, HEX HEAD	4
34			NUT, HEX	4
35			WASHER	4
36	03-064000		TIE, CABLE (7.4")	9
37	03-064100		MOUNT, CABLE TIE (adhesive backed)	2

TITLE PLATFORM CONTROL CONSOLE, FALCON 2548

PLATE NO.	09.54	SIMON AERIALS INC.	NEW 20 OCT., 1992	PART NO.	2183220
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TITLE

PLATFORM CONTROL CONSOLE, FALCON 2548

SIMON AERIALS INC.

NEW 20 OCT., 1992

PART
NO.

2183220

PLATE
NO.

09.54

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-031300		CYLINDER, STEER (Type 1) Note: A "Type 1" cylinder can be identified by the collapsed dimension "X" of 3.062" (77.8 mm).	1
	04-034300		CYLINDER, STEER (Type 2) Note: A "Type 2" cylinder can be identified by the collapsed dimension "X" of 2.562" (65.1 mm).	1
			Note: When ordering REPLACEMENT CYLINDER , "Type 2" will be supplied.	
2			BODY ASSEMBLY, CYLINDER	1
3	04-031306		GUIDE, ROD (for "Type 1" cylinder)	1
	04-034306		GUIDE, ROD (for "Type 2" cylinder)	1
4	04-031304		ROD, CYLINDER (for "Type 1" cylinder)	1
	04-034305		ROD, CYLINDER (for "Type 2" cylinder)	1
5	04-031305		PISTON (for "Type 1" cylinder)	1
	04-034304		PISTON (for "Type 2" cylinder)	1
6			NUT, LOCK (1/2"-20) (for "Type 1" cylinder)	1
7	04-031301		SEAL KIT (for "Type 1" cylinder)	1
	04-034301		SEAL KIT (for "Type 2" cylinder)	1
8	04-031302		PIN, CLEVIS (1/2" x 2-1/16") (for "Type 1" cylinder)	2
	04-034302		PIN, CLEVIS (1/2" x 2-1/16") (for "Type 2" cylinder)	2
9	04-031303		PIN, COTTER (Steel, 1/8" x 3/4") (for "Type 1" cylinder)	4
	04-034303		PIN, COTTER (Steel, 1/8" x 3/4") (for "Type 2" cylinder)	4
			The following parts are NOT INCLUDED as part of the steer cylinder assembly:	
10	06-000600		CONNECTOR, STRAIGHT MALE (4-6 FTX)	2
11	10-117300		BOOT, CYLINDER ROD COVER (for "Type 1" cylinder)	1

TITLE STEER CYLINDER, FALCON 2034, 2548

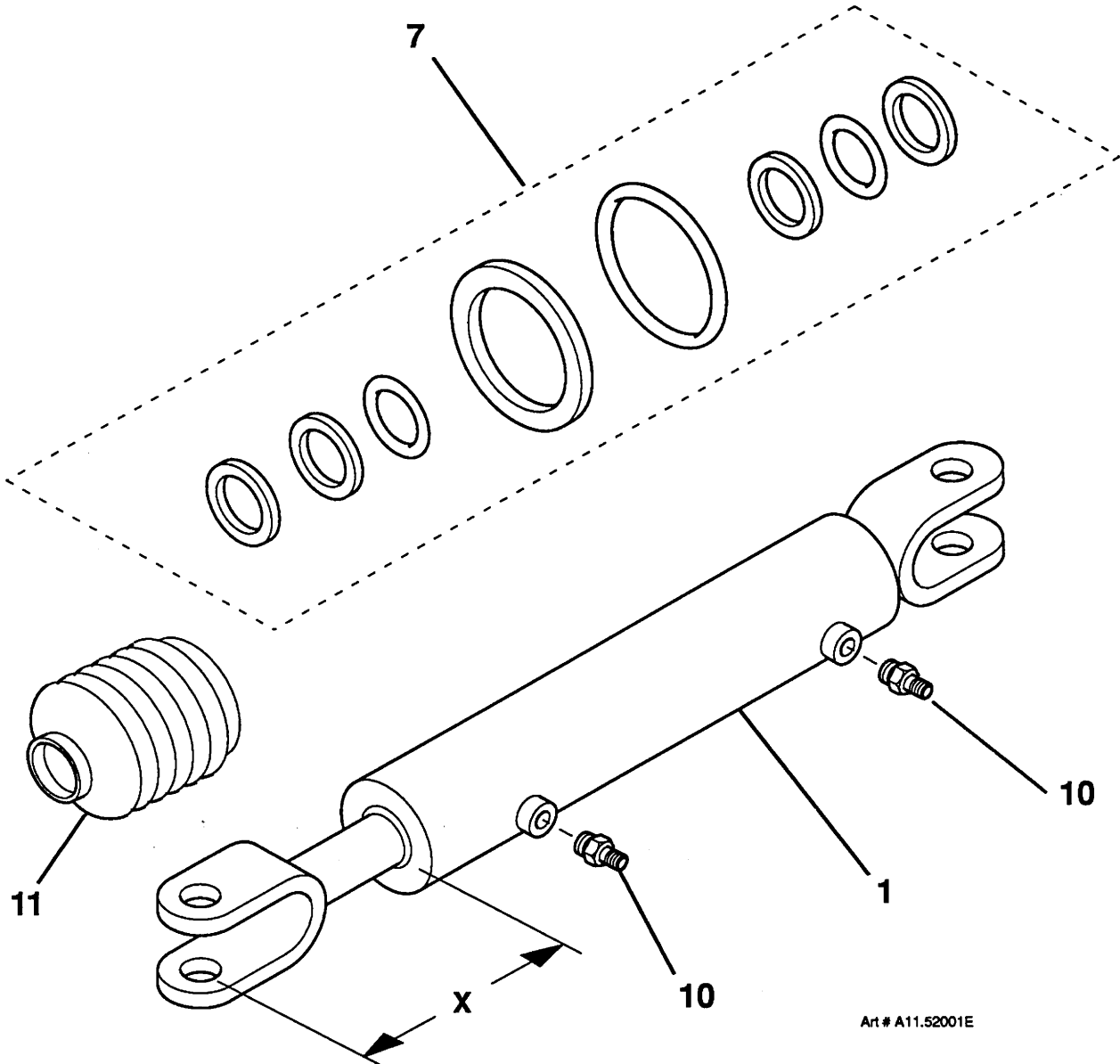
PLATE NO.

11.52

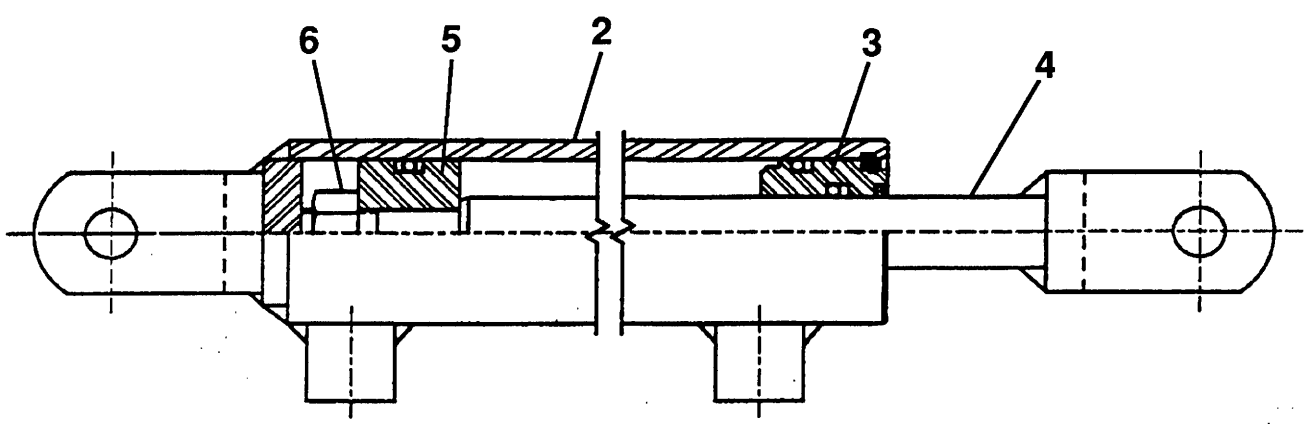
SIMON AERIALS INC.

REV. 17 MAR., 1992

PART NO.



Art # A11.52001E



Steer Cylinder Internal Components (Type 1 Cylinder shown)

ART # A11.52002S

TITLE	STEER CYLINDER, FALCON 2034, 2548		
SIMON AERIALS INC.	REV. 17 MAR., 1992	PART NO.	PLATE NO. 11.52

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-031100		CYLINDER, BRAKE (Type 1, for Falcon 2034, S/N L-101 thru L-112, for Falcon 2034, S/N L-114 thru L-118)	1
	04-033700		"Type 1" cylinder length from flange to end of barrel is 8-1/16" (205 mm).	
			CYLINDER, BRAKE (Type 2, for Falcon 2034, S/N L-113, for Falcon 2034, S/N L-119 and above, for Falcon 2548 and 2570, all)	1
			"Type 2" cylinder length from flange to end of barrel is 6-1/2" (165 mm).	
			Note: when ordering REPLACEMENT CYLINDER , "Type 2" will be supplied.	
2			JACKET ASSEMBLY	1
3	04-031102		ROD, PISTON (for "Type 1" cylinder)	1
	04-033701		ROD, PISTON (for "Type 2" cylinder)	1
4			SPACER	1
5	04-031103		PISTON (for "Type 1" cylinder)	1
	04-033704		PISTON (for "Type 2" cylinder)	1
6			NUT, LOCK	1
7			SPRING (for "Type 1" cylinder)	1
	04-033705		SPRING (for "Type 2" cylinder)	1
8	04-033703		REPAIR KIT (For "Type 2" cylinder. Includes Gland Nut and Seal Kit)	1
9	04-031104		NUT, GLAND (#1, for "Type 2" cylinder)	1
	04-031105		NUT, GLAND (#2, for "Type 2" cylinder)	1
10	04-033702		SEAL KIT (for "Type 2" cylinder)	1
11			WIPER, ROD	1
12			SEAL, PISTON ("Polypak")	1
13			WASHER, BACKUP	1
14			"O"-RING	1
15			"O"-RING	1
16			SEAL, "POLYPAK"	1
17			NUT, GLAND (for "Type 1" cylinder)	1
18	04-031101		SEAL KIT (for "Type 1" cylinder)	1
			The following part is NOT INCLUDED as part of the brake cylinder assembly.	
19	06-0003800		ELBOW, 90° MALE (6 CTX)	2

TITLE

BRAKE CYLINDER, FALCON

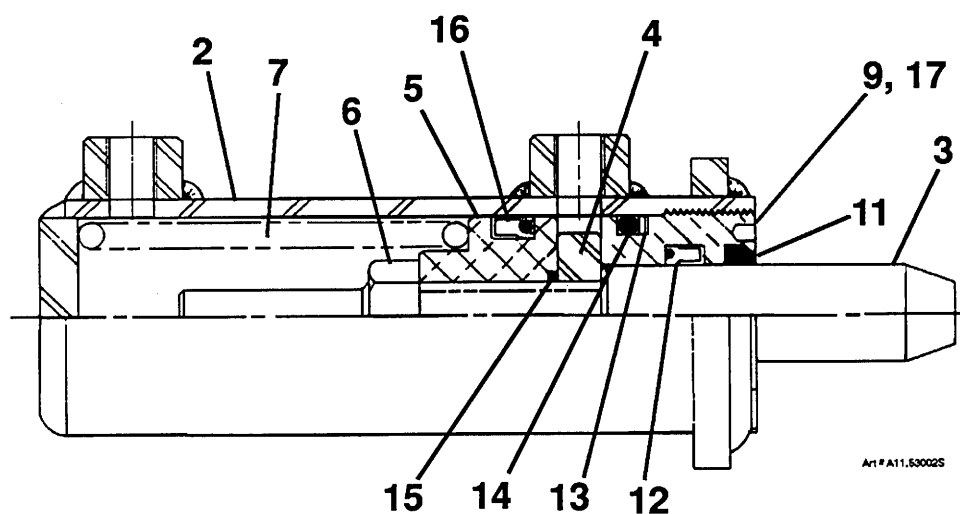
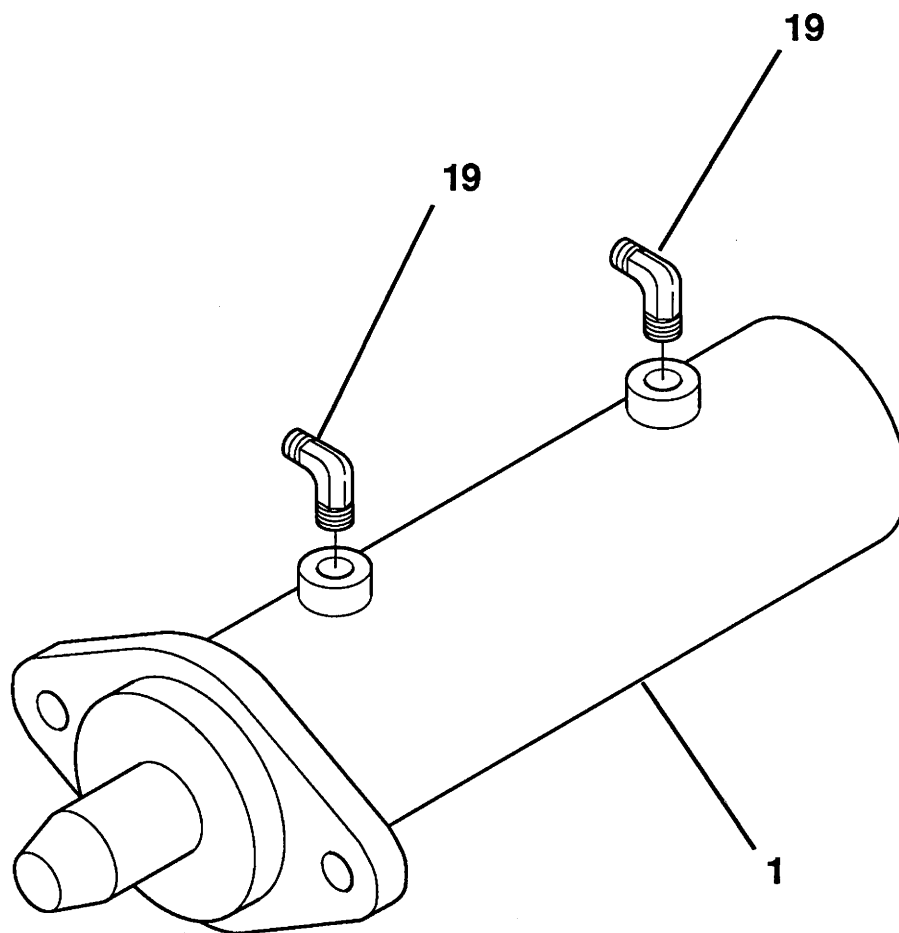
PLATE
NO.

11.53

SIMON AERIALS INC.

REV. 01 APR., 1992

PART
NO.



A11 # A11.53002S

Brake Cylinder Internal Components (Type 2 Cylinder shown)

TITLE

BRAKE CYLINDER, FALCON

SIMON AERIALS INC.

REV. 01 APR., 1992

**PART
NO.**

**PLATE
NO.**

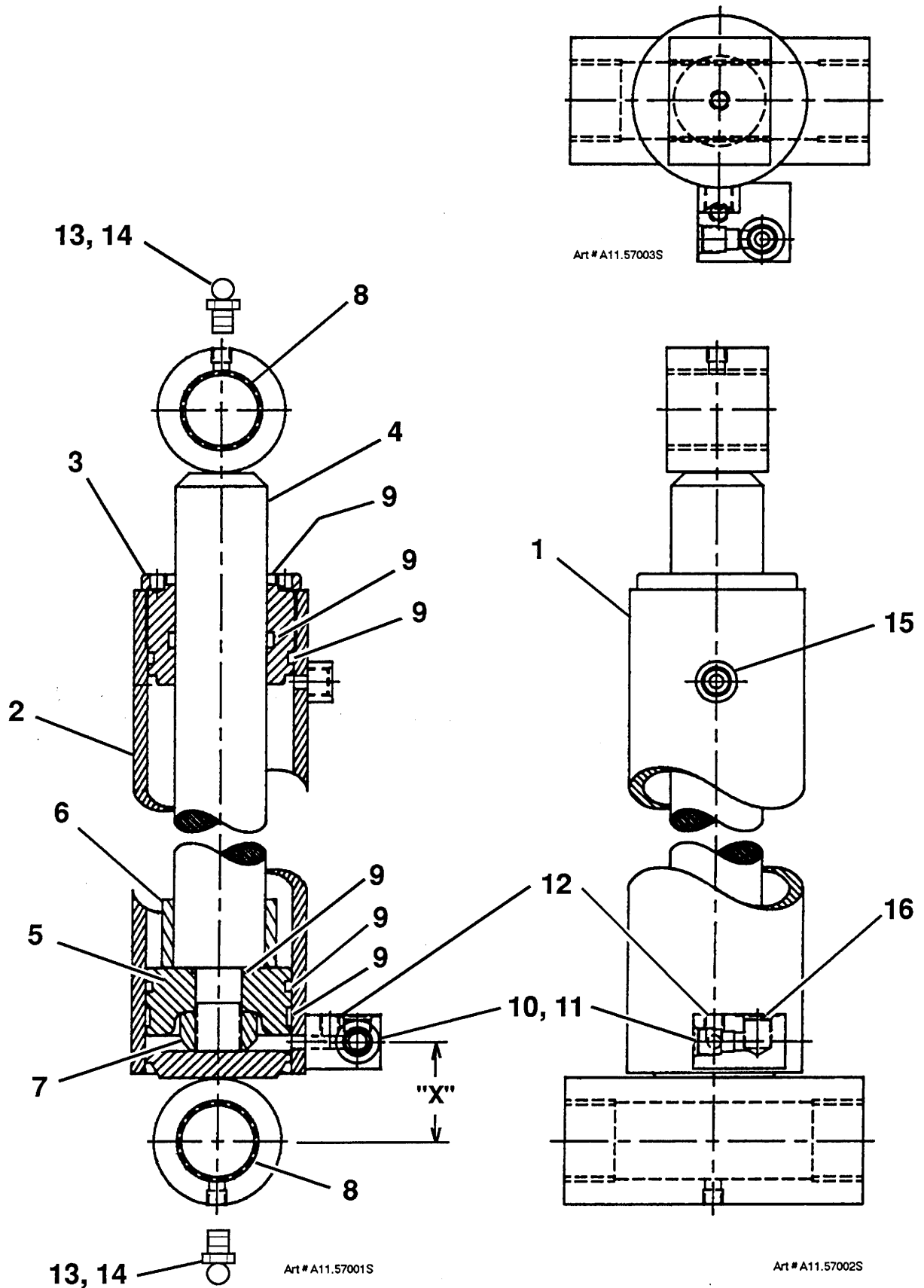
11.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-033500		CYLINDER, LIFT ("Type 3" is illustrated) Type 1 , used on model 2548, S/N L-4998 and L-4999. Dimension "X" is 2-3/8"(80 mm). This is a single acting cylinder , which can be easily identified as there is no hose connection to the rod end of the cylinder. The cylinder rod is 3-3/4" (95 mm) in diameter, and the holding valve block is one piece with the cylinder base end, which is welded to the end of the cylinder barrel.	
	04-033500		Type 2 , used on model 2548, S/N L-5001 thru L-5005. Dimension "X" is 2-3/8"(80 mm). This is a double acting cylinder , with a hose connection from the rod end to tank. The cylinder rod is 2-1/2" (64 mm) in diameter, with the holding valve design same as on the "Type 1" cylinder.	1
	04-034100		Type 3 , used on model 2548, S/N L-5006 and later. Dimension "X" is 2-1/4"(57 mm). The cylinder rod is 2-1/2" (64 mm) in diameter, but the holding valve block is welded to the side of the cylinder barrel. The connection from the solenoid valve block to the cylinder base end is internal.	1
2			TUBE WELDMENT, CYLINDER	1
3	04-033526		GLAND, END for "Type 2" cylinder	1
	04-034503		for "Type 3" cylinder	1
4	04-033502		ROD, CYLINDER for "Type 1" cylinder	1
	04-033522		for "Type 2" cylinder	1
	04-034104		for "Type 3" cylinder	1
5			PISTON	
	04-033503		for "Type 1" cylinder	1
	04-033525		for "Type 2" cylinder	1
	04-034504		for "Type 3" cylinder	1
6	04-034103		BLOCK, STROKE (for "Type 3" cylinder)	1
7			NUT, LOCK (1-1/4"-12) (for "Type 3" cylinder)	1
8			BUSHING	4
	04-033523		for "Type 2" cylinder	4
	04-034505		for "Type 3" cylinder (2" I.D., 2-1/4" O.D., 1-5/16" long)	4
9			SEAL KIT	
	04-033501		for "Type 1" cylinder	1
	04-033521		for "Type 2" cylinder	1
	04-034101		for "Type 3" cylinder	1

TITLE LIFT CYLINDER, FALCON 2548 (PLATE 1 OF 2)

PLATE NO. 11.57 SIMON AERIALS INC. NEW 03 APR., 1992 PART NO. 3525010



TITLE

LIFT CYLINDER, FALCON 2548 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 03 APR., 1992

PART
NO.

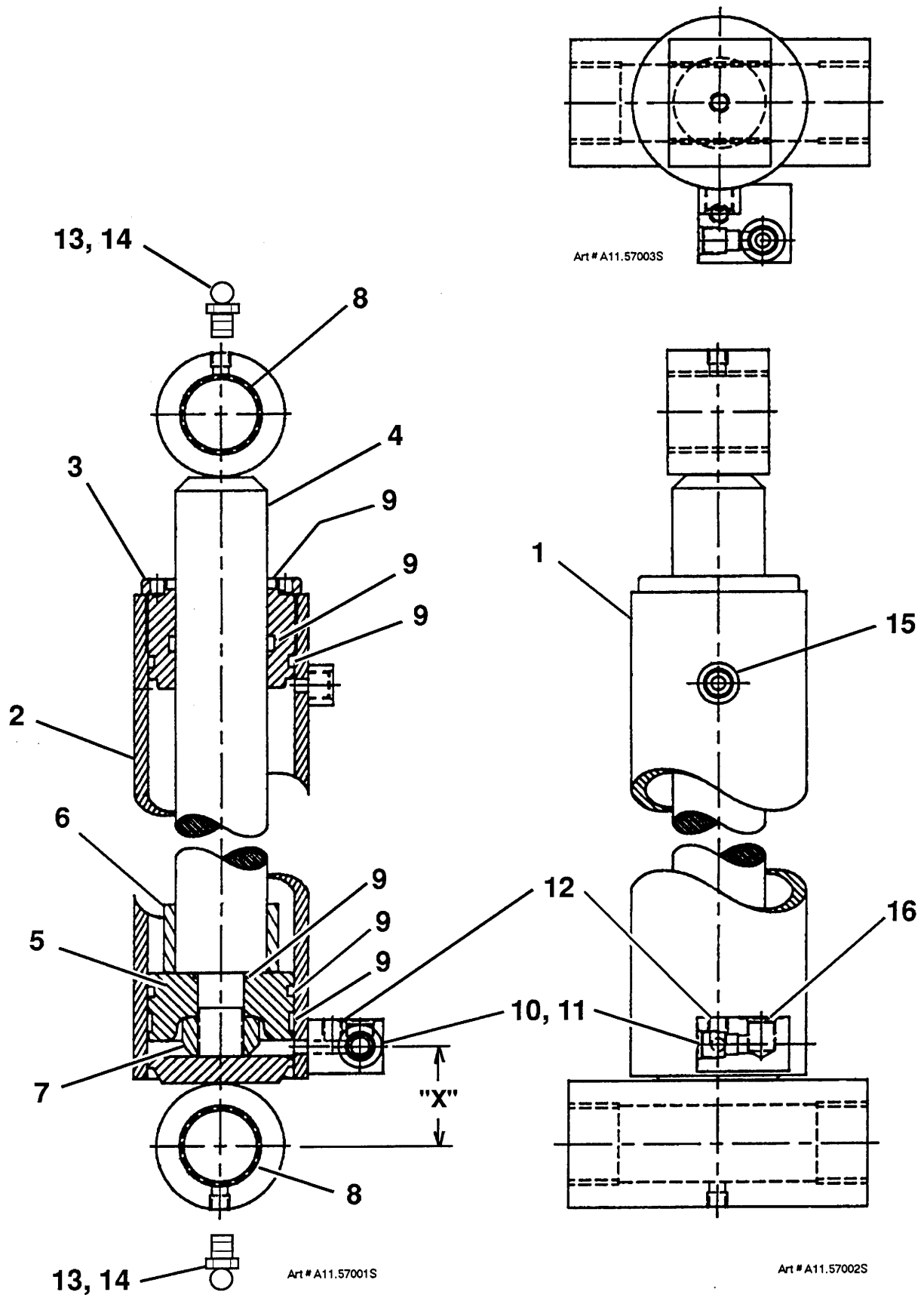
3525010

PLATE
NO.

11.57

[illegible]

PLATE NO.	11.57	SIMON AERIALS INC.	NEW 03 APR., 1992	PART NO.	3525010
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TITLE

LIFT CYLINDER, FALCON 2548 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 03 APR., 1992

PART
NO.

3525010

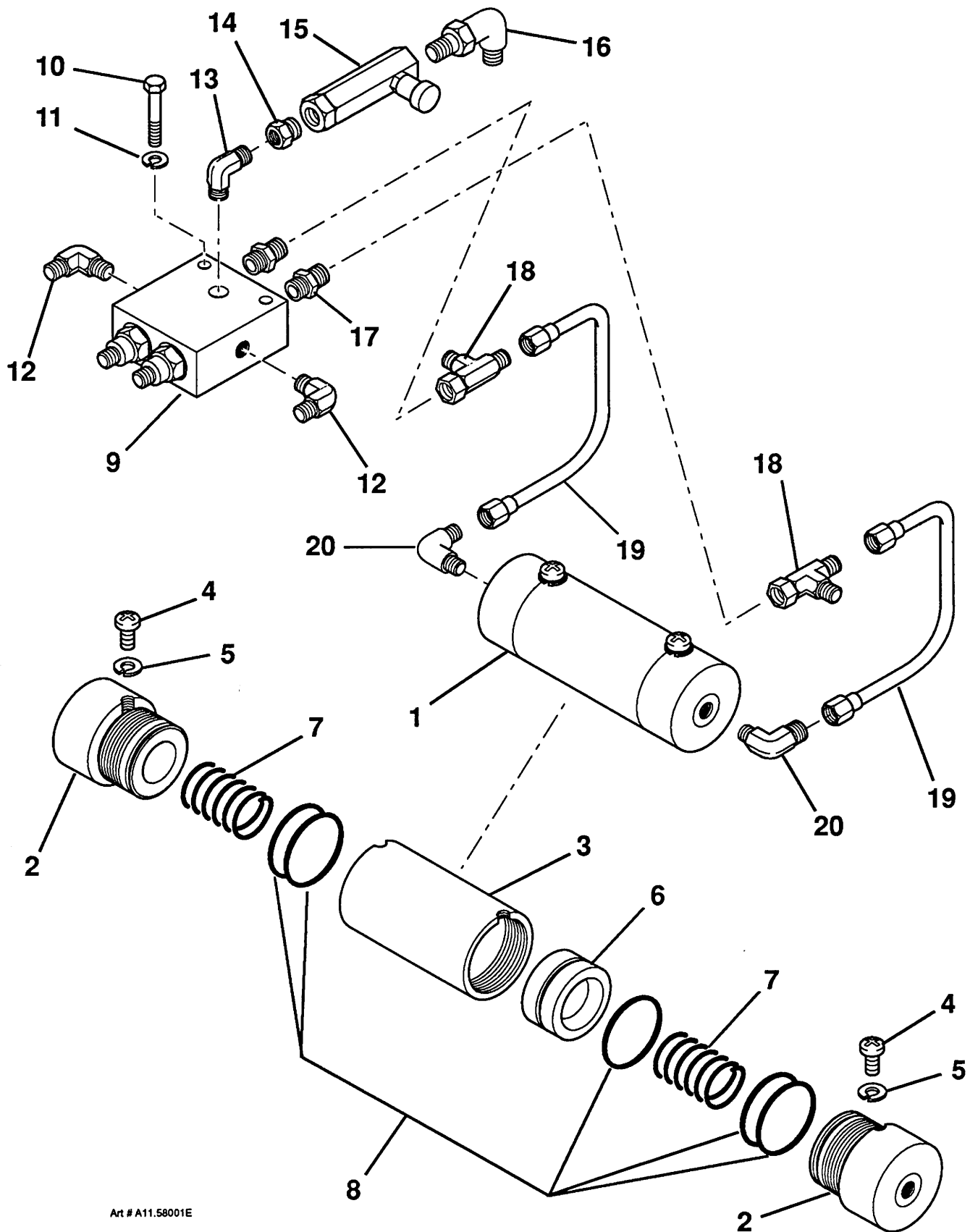
PLATE
NO.

11.57

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TITLE		CUSHION CYLINDER ASSEMBLY, FALCON 2548	
PLATE NO.	11.58	SIMON AERIALS INC. REV. 20 OCT., 1992	PART NO. 3524910

PART NO. 3524910



Art # A11.58001E

TITLE

CUSHION CYLINDER ASSEMBLY, FALCON 2548

SIMON AERIALS INC.

REV. 20 OCT., 1992

PART
NO.

3524910

PLATE
NO.

11.58

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-034500		CYLINDER, LIFT Type 4, used on model 2548, S/N above L-5006. Also used on model 2570, all. [On a "Type 4" cylinder, dimension "X" is 6-1/4" (159 mm)]. This cylinder contains an integral holding valve. An external tube connects the holding valve block to the base end of the cylinder barrel. The Simon Aerials part number "04034500" and the cylinder serial number are stamped near the rod end port.	1
2			TUBE WELDMENT, CYLINDER	1
3	04-034503		GLAND, END	1
4	04-034502		SHAFT, CYLINDER	1
5	04-034504		PISTON	1
6	04-034507		BLOCK, STROKE	1
7			NUT, LOCK (1-1/4"-12)	1
8	04-034505		BUSHING (2" I.D., 2-1/4" O.D., 1-5/16" long)	4
9	04-034501		SEAL KIT	1
10	04-034506		VALVE, SOLENOID (Normally closed, 2 way, 2 position, 12 Volt DC)	1
11	01-086805		COIL, SOLENOID VALVE	1
12	01-213200		SWITCH, PRESSURE (Single pole, double throw) [900 PSI (63.3 Kg/ cm²) (62.0 Bar)]	1
13	08-051300		FITTING, GREASE (1/8", 90°)	2
14	08-066300		CAP, GREASE FITTING (white plastic)	2
15	06-039900		CONNECTOR, STRAIGHT THREAD (6-8 F50X-S) (Rod end)	1
16	06-044800		ELBOW, STRAIGHT THREAD (8 C50X-S) (Base end)	1
17	03-451200		PLUG (3 conductor)	1
18	03-457000		CONNECTOR, WEDGE (3 socket)	1
19	03-451000		SOCKET, TERMINAL	3

TITLE

LIFT CYLINDER, FALCON 2548, 2570

PLATE NO.

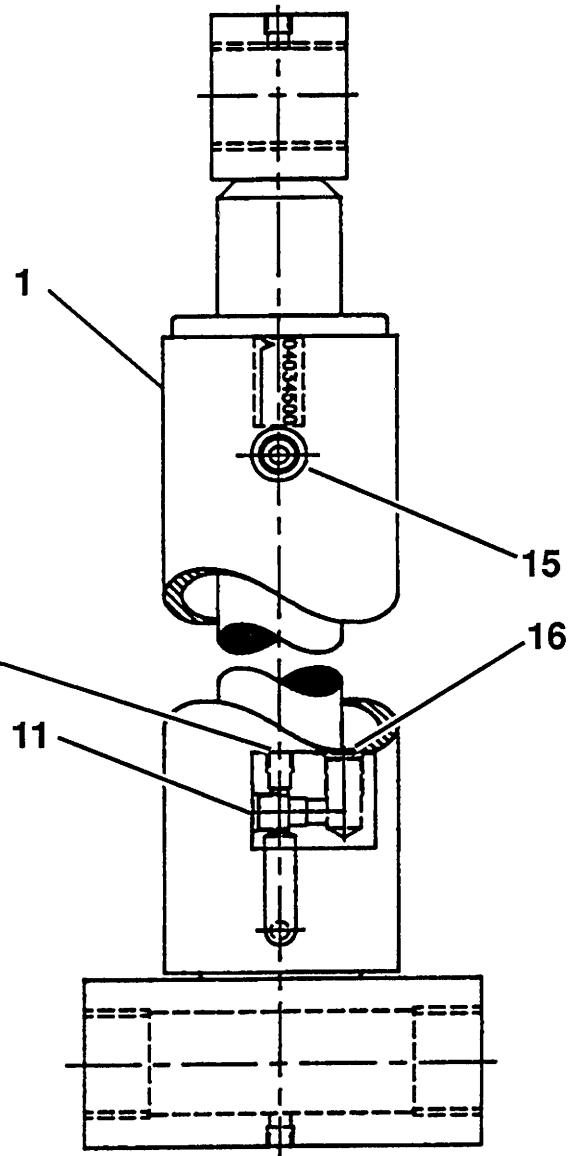
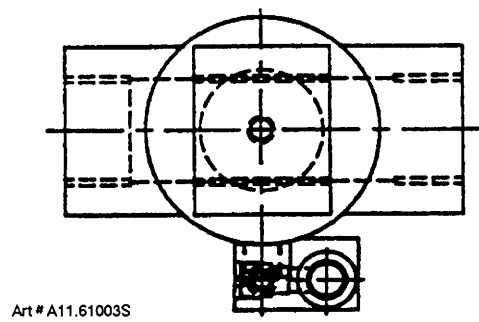
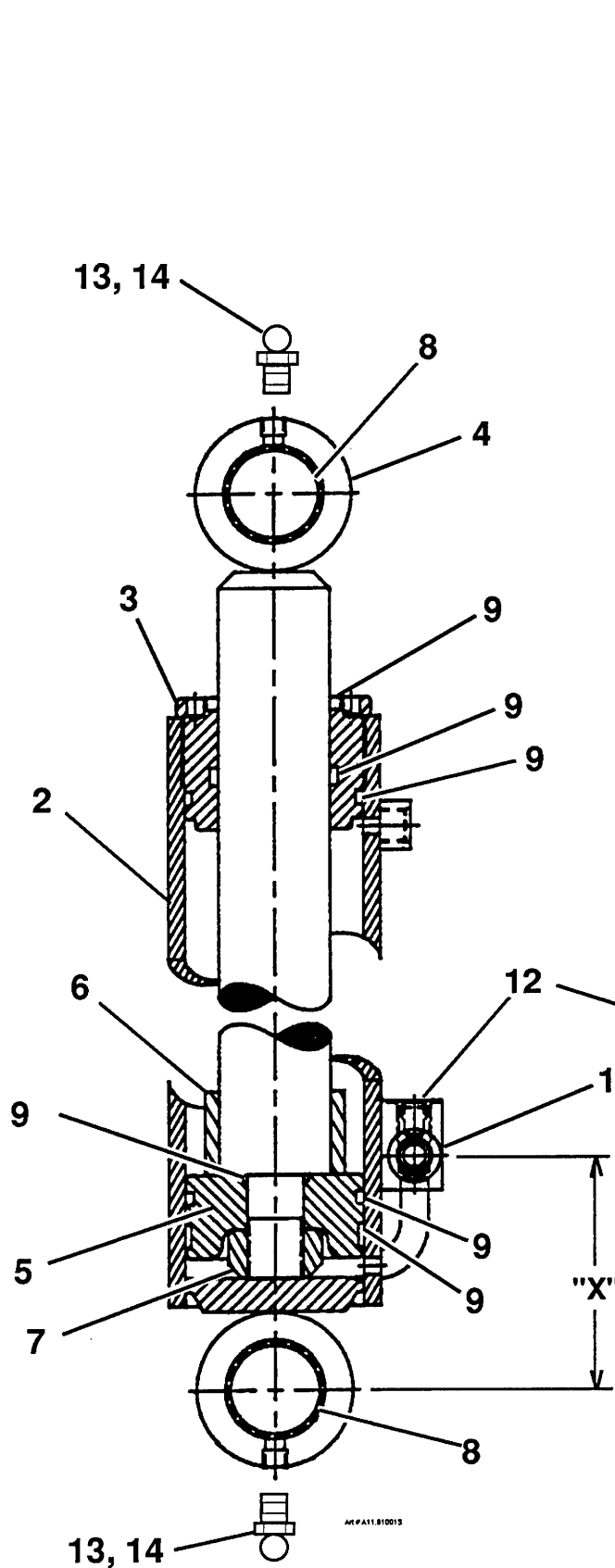
11.61

SIMON AERIALS INC.

NEW 16 MAR., 1992

PART NO.

3529110



TITLE

LIFT CYLINDER, FALCON 2548, 2570

SIMON AERIALS INC.

NEW 16 MAR., 1992

PART
NO.

3529110

PLATE
NO.

11.61

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-097400		PUMP AND MOTOR ASSEMBLY ("Type 1") Note: The motor on a "Type 1" pump and motor assembly is rated at "150 Amps" (see nameplate). Electrical connections are made to studs on the side of the motor.	1
	01-221000		PUMP AND MOTOR ASSEMBLY ("Type 2") Note: The motor on a "Type 2" pump and motor assembly is rated at "170 Amps" (see nameplate). Electrical connections are made to studs on the side of the motor.	1
	01-222500		PUMP AND MOTOR ASSEMBLY ("Type 3") Note: The motor on a "Type 3" pump and motor assembly is rated at "170 Amps" (see nameplate). Wire leads are provided on the side of the motor for electrical connection.	1
2			MOTOR, PERMANENT MAGNET [4 HP (2.98 Kw) @ 3600 RPM, 24 Volt DC]	
	01-097402		"Type 1", rated 150 Amp (see nameplate)	1
	01-221001		"Type 2", (with studs) rated 170 Amp (see nameplate)	1
	01-222501		"Type 3", (with wires) rated 170 Amp (see nameplate)	1
3	01-097405		BRUSH SET (for "Type 1" motor)	1
	01-221002		BRUSH (for "Type 2" or "Type 3" motor)	4
4	01-097406		PUMP ASSEMBLY, TANDEM	1
5			PLATE, DRIVE	1
6	01-097401		SEAL, OIL	1
7			PIN, DOWEL	2
8			CASE, GEAR	1
9			SHAFT, DRIVE	1
10	01-097404		COUPLING	1
11			SHAFT, IDLER	1
12			KEY, DOWEL	2
13			BALL	1
14			GEAR	2
15			RING, RETAINING	4
16			GEAR	2
17			SPACER	1
18			CASE, GEAR	1
19			PLATE, END	1
20			PIN, DOWEL	2
21			BOLT, HEX HEAD	2
22	01-097403		"O"-RING	4

TITLE PUMP AND MOTOR ASSEMBLY, FALCON 2034, 2548

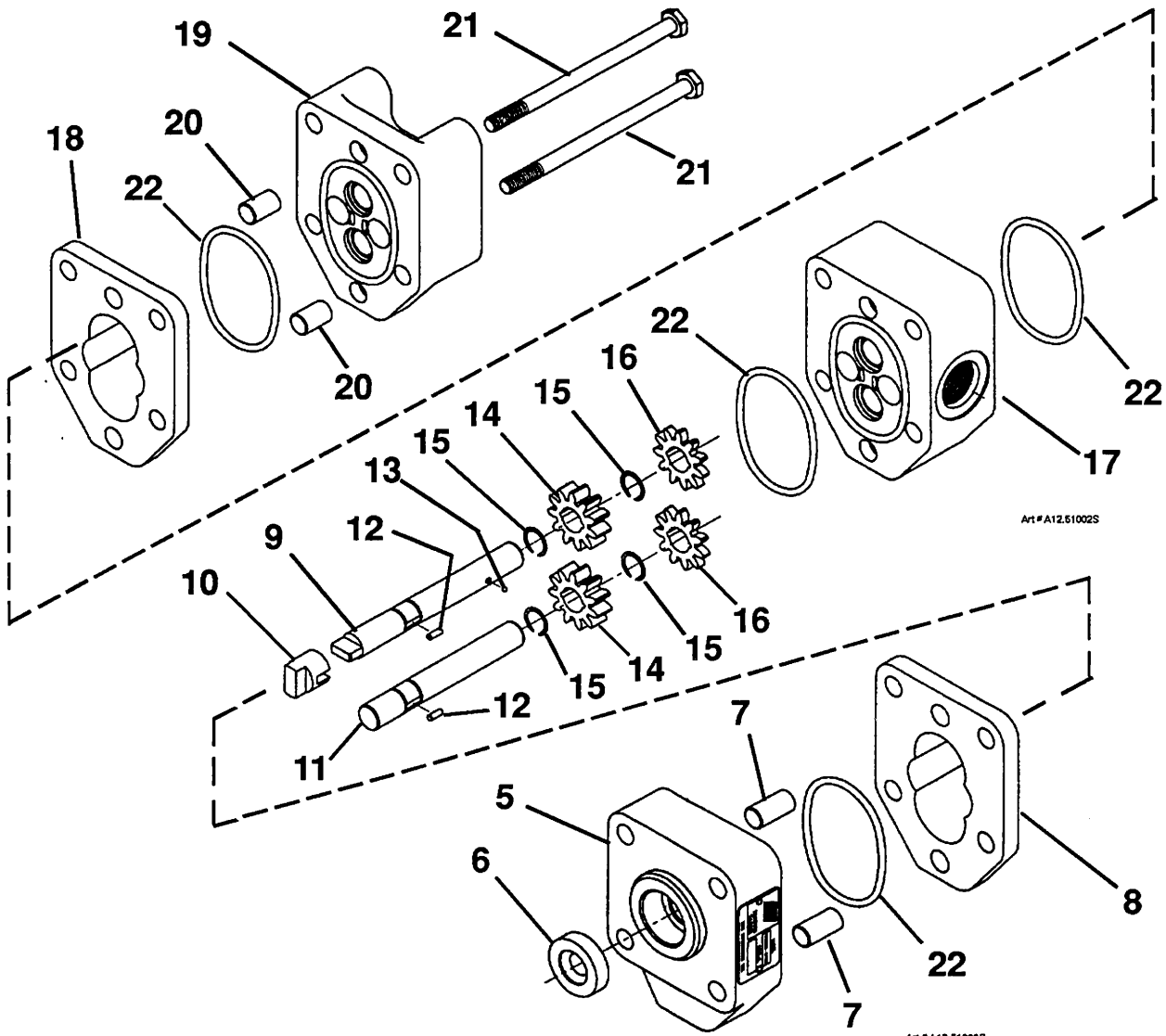
PLATE NO. 12.51

SIMON AERIALS INC.

REV. 19 MAR., 1993

PART NO.

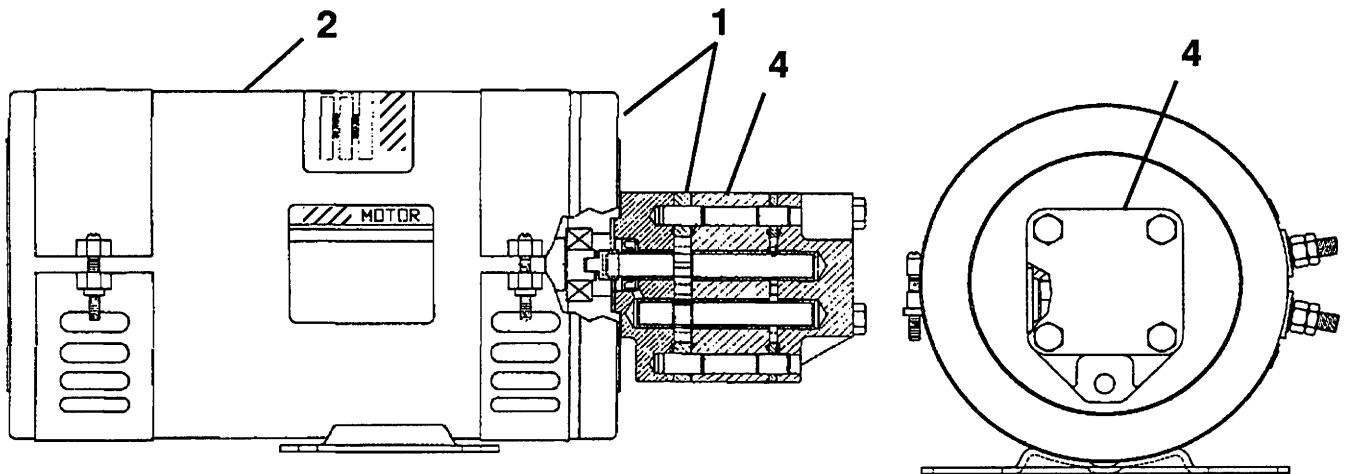
Art # A12.51001S



Art # A12.51002S

Art # A12.51003S

Exploded View of Pump Assembly



TITLE

PUMP AND MOTOR ASSEMBLY, FALCON 2034, 2548

SIMON AERIALS INC.

REV. 19 MAR., 1993

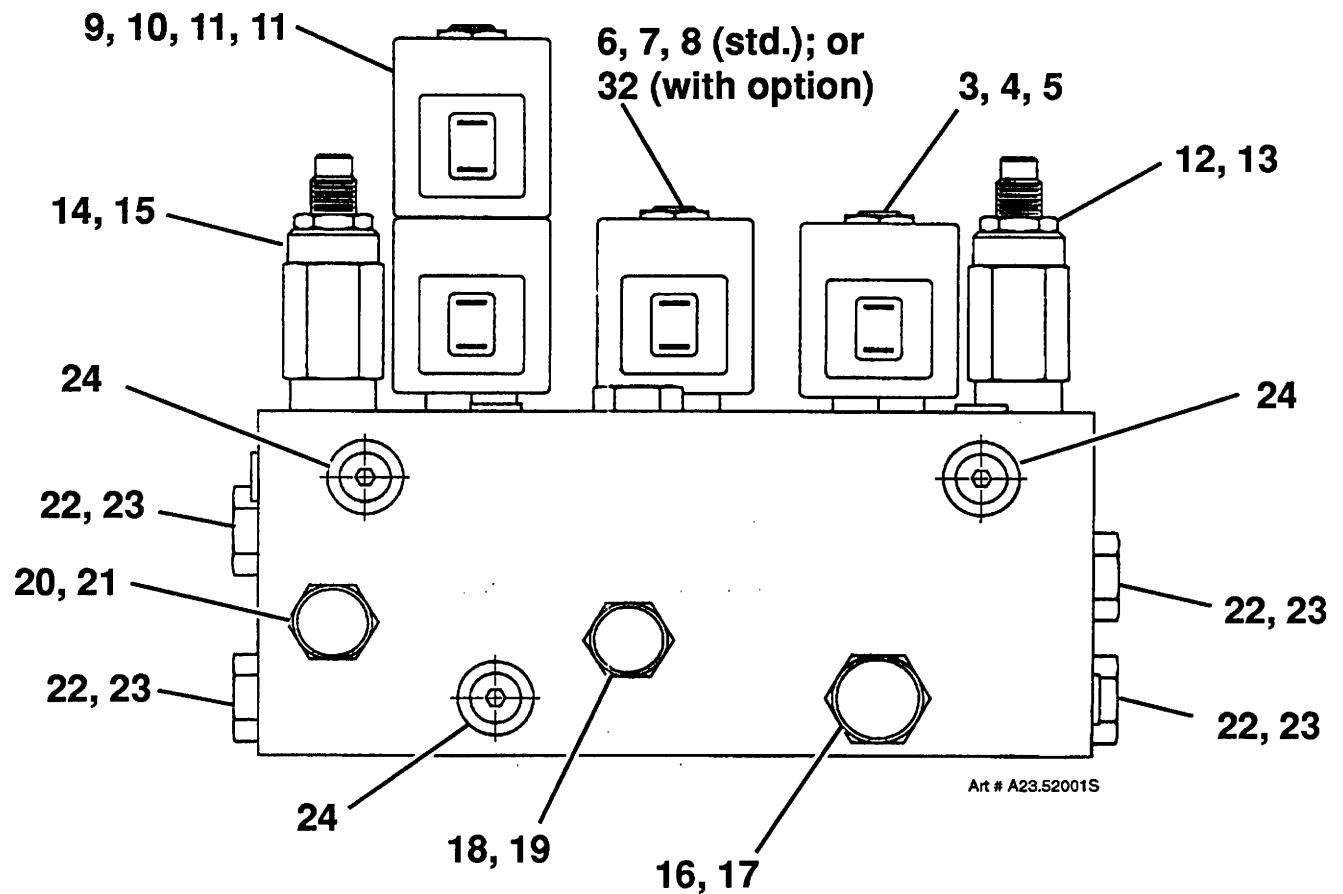
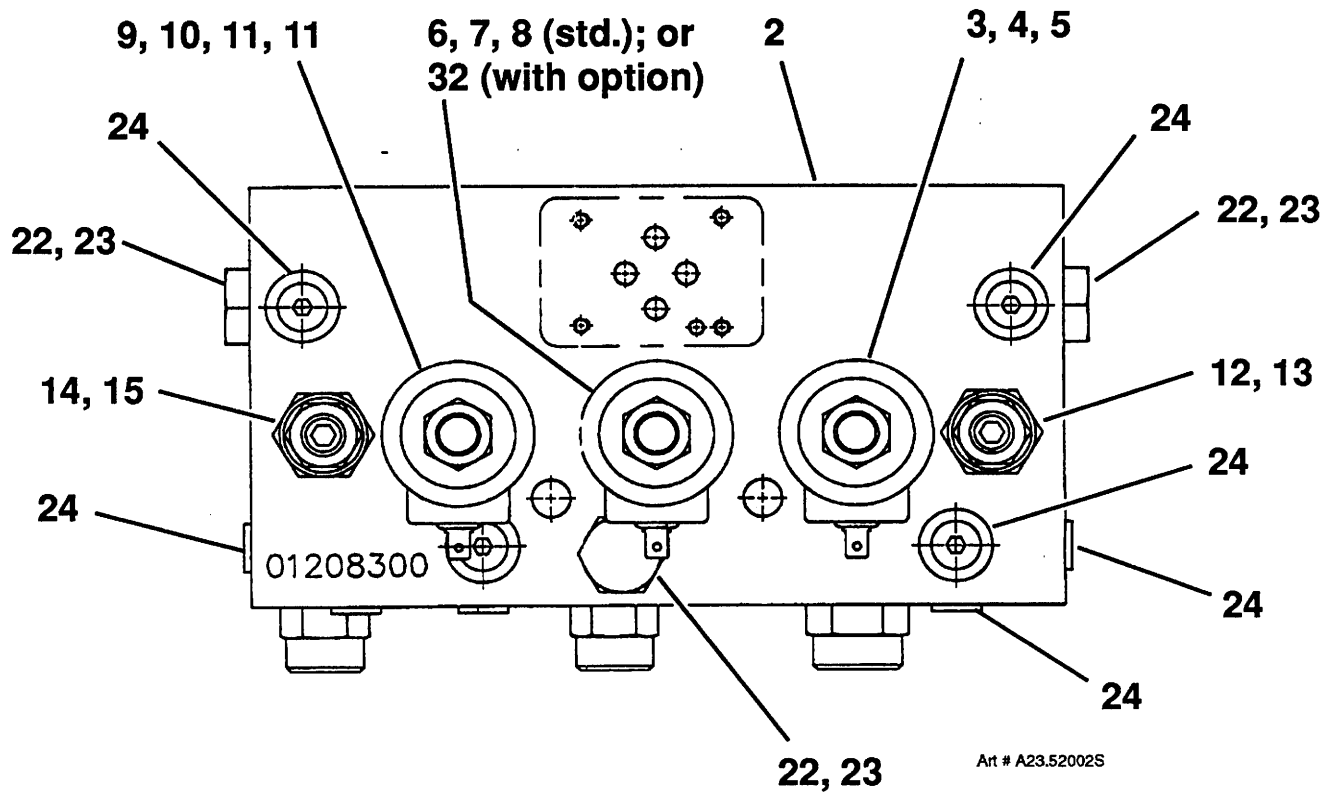
**PART
NO.**

**PLATE
NO.**

12.51

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PLATE NO.	23.52	SIMON AERIALS INC.	THIS SHEET ONLY REV. 11 AUG., 1995	PART NO.	01-208300
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TITLE VALVE MANIFOLD ASSEMBLY, FALCON 2548 (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 05 OCT., 1993

PART NO. 01-208300

PLATE NO. 23.52

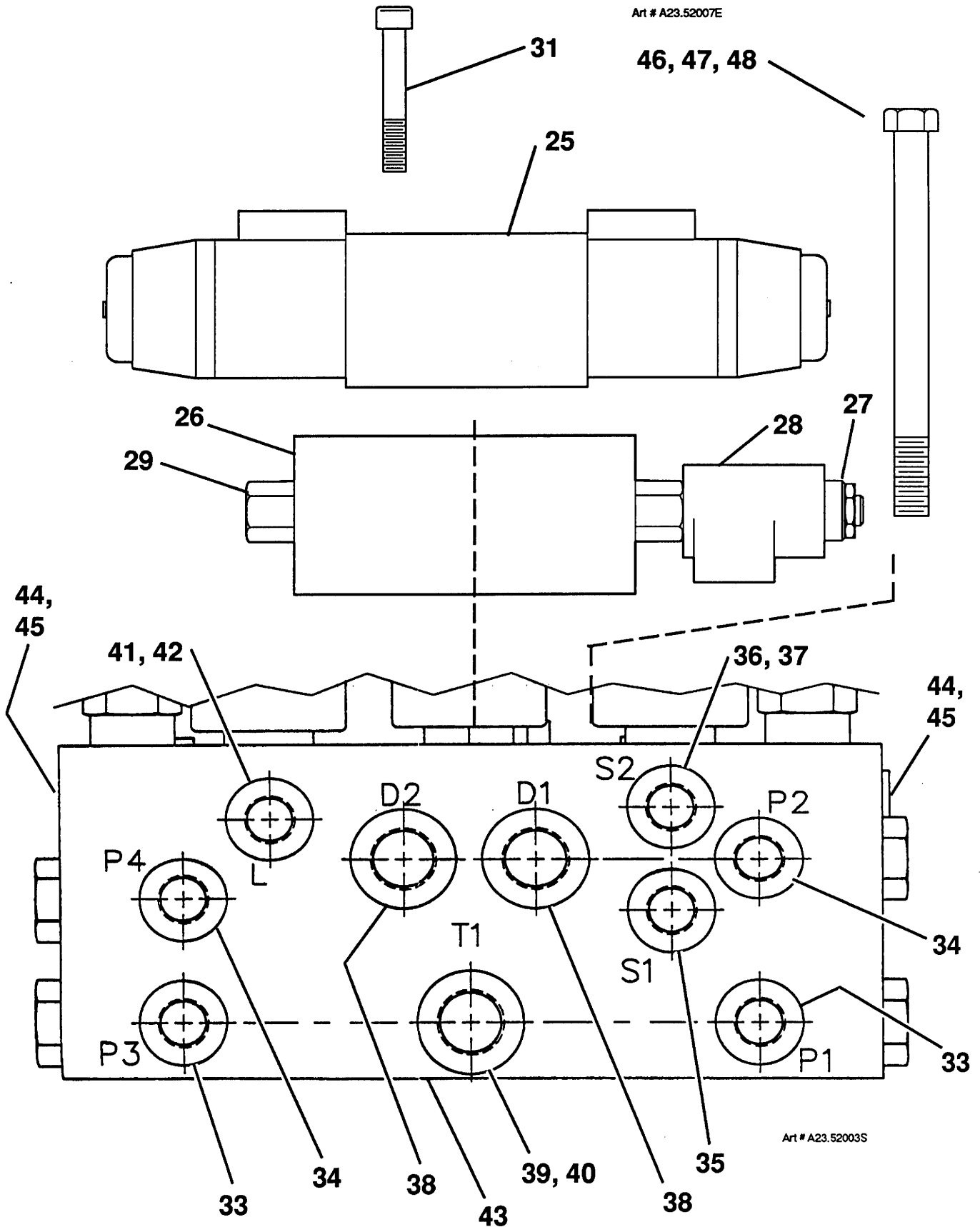
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of Manifold 01-208300:	
25	01-205500	27.54	VALVE, DIRECTIONAL (Solenoid operated)	1
26	01-207700		VALVE, PROPORTIONAL (with Proportional Control option)	1
27	01-207702		CARTRIDGE, PROPORTIONAL VALVE	1
28	01-207701		COIL, PROPORTIONAL VALVE (24 Volt DC)	1
29	01-207703		VALVE, DIFFERENTIAL SENSING	1
30	01-208501		SEAL KIT	1
31			CAP SCREW, SOCKET HEAD	
	07-008358		#10-24 x 2" (without Proportional Control option)	4
	07-092500		#10-24 x 5" (with Proportional Control option)	4
32	01-206200		PLUG (for units having Proportional Control option)	
			(Replaces High speed drive valve SV 2 . . . see item 6)	1
			Fittings installed in Ports "P1" and "P3":	
33	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2
			Fittings installed in Ports "P2" and "P4":	
34	06-039800		CONNECTOR, STRAIGHT THREAD (6 F50X-S)	2
			Fittings installed in Port "S1":	
35	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	1
			Fittings installed in Port "S2":	
36	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F50G-S)	1
37	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S)	1
			Fittings installed in Ports "D1" and "D2":	
38	06-040100		ADAPTER, "O"-RING TO 37° (8 F50X-S)	2
			Fittings installed in Port "T1":	
			Falcon 2548 with "Gear" Boom:	
39	06-040100		ADAPTER, "O"-RING TO 37° (8 F50X-S)	1
			Falcon 2548 with "Link" Boom:	
	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
40	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1

TITLE VALVE MANIFOLD ASSEMBLY, FALCON 2548 (PLATE 2 OF 3)

PLATE NO.	23.52	SIMON AERIALS INC.	REV. 05 OCT., 1993	PART NO. 01-208300
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Art # A23.52007E



Art # A23.52003S

TITLE VALVE MANIFOLD ASSEMBLY, FALCON 2548 (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 05 OCT., 1993

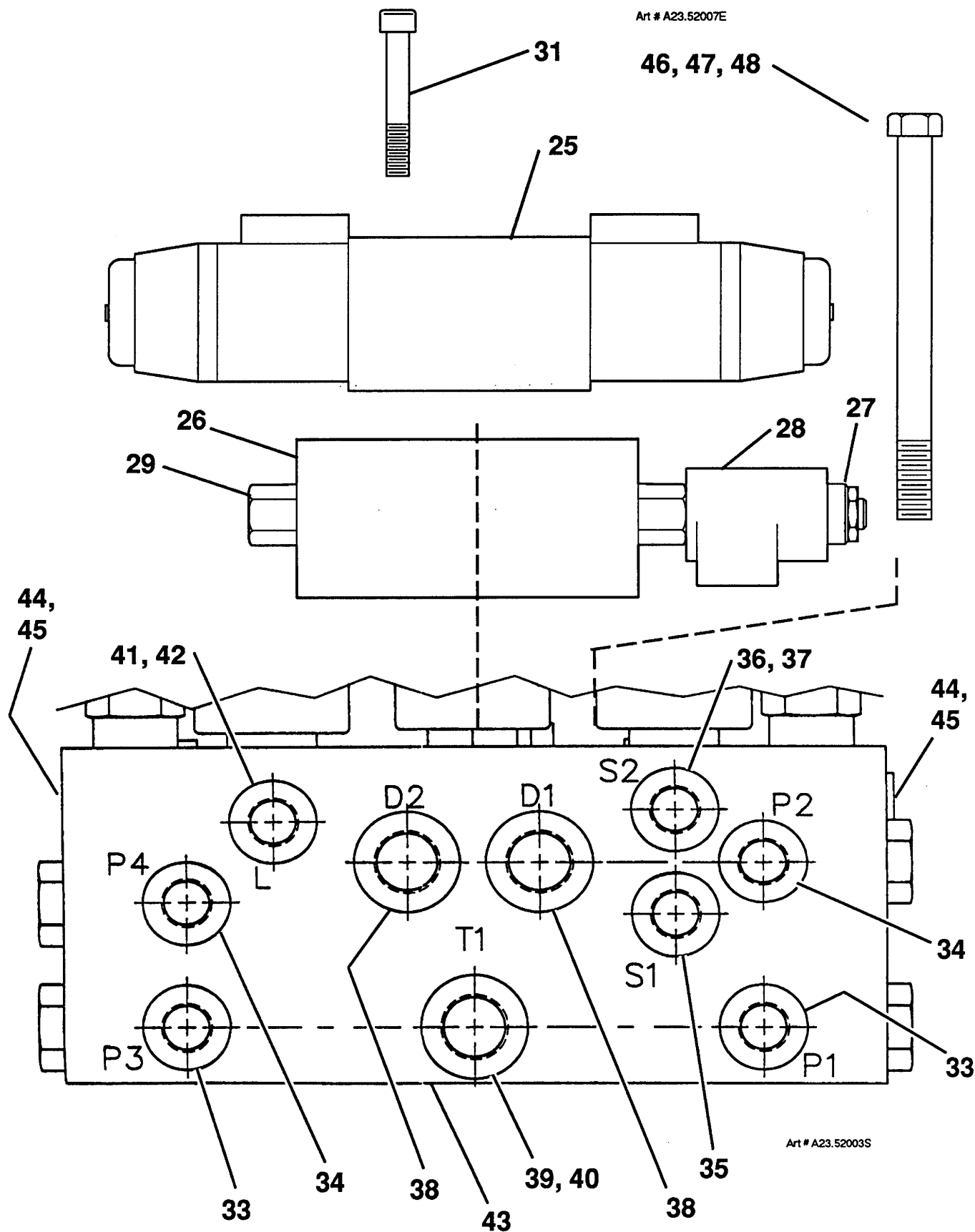
PART NO. 01-208300

PLATE NO. 23.52

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VALVE MANIFOLD ASSEMBLY, FALCON 2548 (PLATE 3 OF 3)

01-208300



TITLE VALVE MANIFOLD ASSEMBLY, FALCON 2548 (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 05 OCT., 1993

PART NO. 01-208300

PLATE NO. 23.52

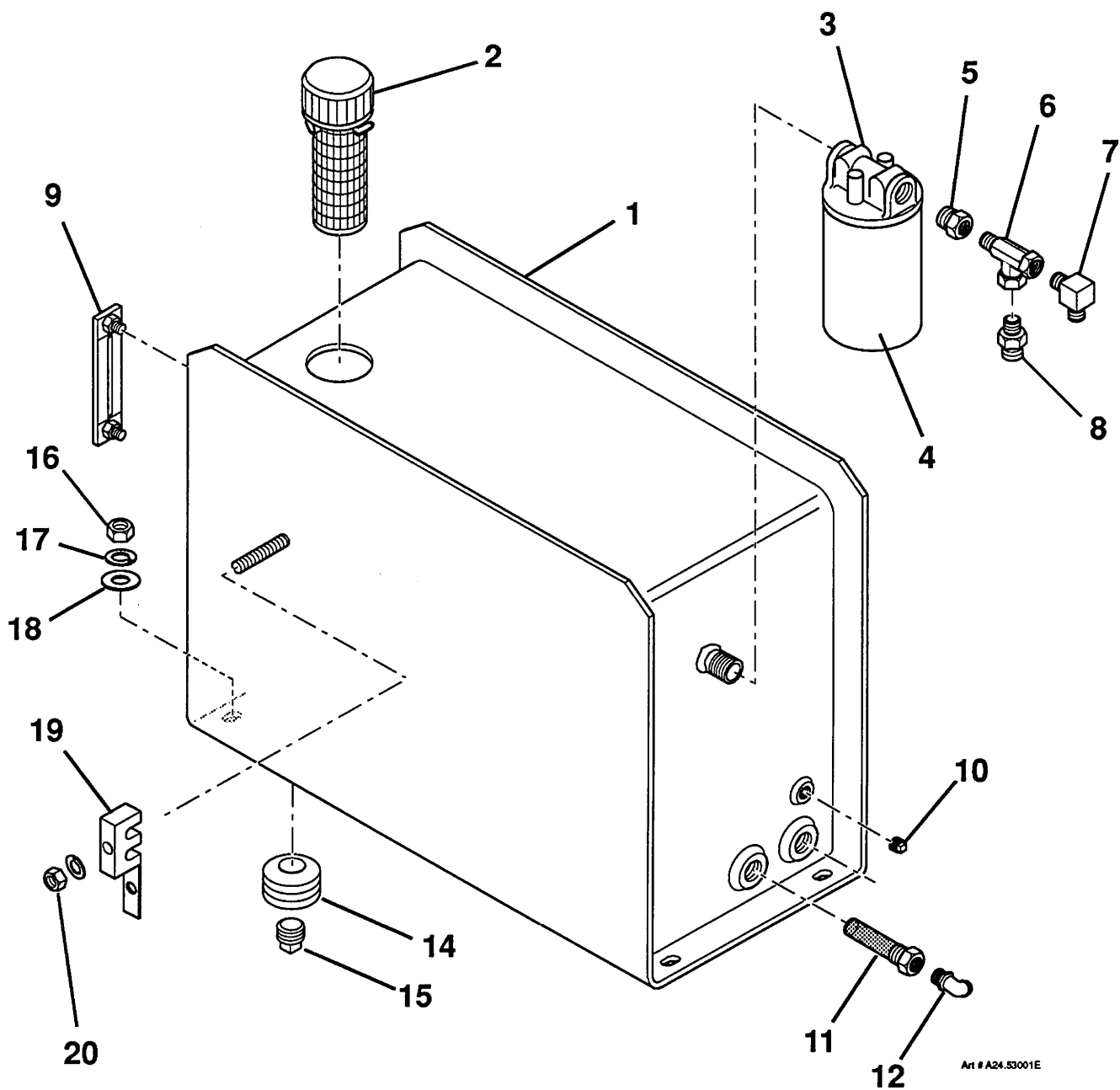
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	3524880		HYDRAULIC TANK ASSEMBLY (except Europe)	1
	3526170		HYDRAULIC TANK ASSEMBLY (European standard)	1
1	2175500		TANK WELDMENT, HYDRAULIC [capacity 8.8 gal (33.3 L)]	1
	2186310		Except Europe (no suction line strainer or fluid level gauge)	1
			European standard	
			(with suction line strainer and fluid level gauge)	1
2	01-097800		CAP ASSEMBLY, HYDRAULIC TANK	1
			(includes filter, breather and strainer)	1
3	01-081500		FILTER ASSEMBLY, HYDRAULIC RETURN	1
4	01-081501		ELEMENT, FILTER (10 micron, 18 GPM)	1
5	06-071300		REDUCER, PIPE THREAD (12-6 PTR-S)	1
6	06-207100		TEE	1
7	06-205900		ELBOW ASSEMBLY (849-FS-04506)	1
8	06-001100		CONNECTOR, MALE (8 FTX-S)	1
9	01-074100		GAUGE, FLUID LEVEL (European standard)	1
10	06-001300		ADAPTER (8-8 FTX-S)	1
11	01-211200		STRAINER, SUCTION (100 mesh, 10 GPM)	1
			(European standard)	1
12	06-203000		INSERT, BEADED (45°, 3/4" bead, 3/4" NPT)	1
13	09-050100		CLAMP, HOSE (1-1/4")	2
14	11-062100		BUSHING, REDUCER (2-1/2" NPT)	1
15	11-082500		PLUG, SQUARE HEAD (1/2" NPT)	2
16	07-050014		NUT, HEX (1/4"-20, Grade 5)	4
17	07-065014		WASHER, HELICAL LOCK (1/4")	4
18	07-062014		WASHER, FLAT (1/4")	4
19	10-108300		SUPPORT, PIPE	1
20	07-050014		NUT, HEX (1/4"-20, Grade 5)	1

TITLE HYDRAULIC TANK, FALCON 2548

PLATE NO. 24.53	SIMON AERIALS INC.	PART NO.
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NEW 20 OCT., 1992



Art # A24.53001E

TITLE

HYDRAULIC TANK, FALCON 2548

SIMON AERIALS INC.

NEW 20 OCT., 1992

PART
NO.

PLATE
NO.

24.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-205400		MOTOR ASSEMBLY (Motor identification tag reads "RE 32203100")	
1	01-205410		HOUSING (includes bearing)	1
2	01-205411		BEARING	1
3	01-205408		WASHER, THRUST	2
4	01-205409		BEARING, THRUST	1
5	01-205401		SEAL KIT	1
6			SEAL, SHAFT	1
7			TEFLON, BACKUP	1
8			RING, BACKUP	1
9			SEAL, HOUSING (high pressure)	1
10			SEAL, DUST	1
11			SEAL, BODY	3
12			SEAL, BODY	1
13	01-205406		BEARING	1
14	01-205407		SPACER, BEARING	1
15	01-205405		RING, RETAINING	1
16	01-205403		SHAFT (includes nut and key)	1
17	• 01-205402		KEY (5/16")	1
18	01-205404		NUT	1
19	01-205416		LINK, DRIVE (with spacer)	1
20	01-205417		SPACER, DRIVE LINK	1
21	01-205418		MANIFOLD	1
22	01-205412		BOOT, MANIFOLD	1
23	01-205419		ROTOR SET ASSEMBLY	1
24	01-205413		PLATE, BALANCE (includes ball checks)	1
25	01-205414		CHECK, BALL	3
26	01-205415		COVER, END	1
27	01-205421		PLATE, MOTOR IDENTIFICATION (with screws)	1
28	01-205420		BOLT SET (includes 7 bolts)	1

TITLE WHEEL MOTOR ASSEMBLY

PLATE
NO.

26.52

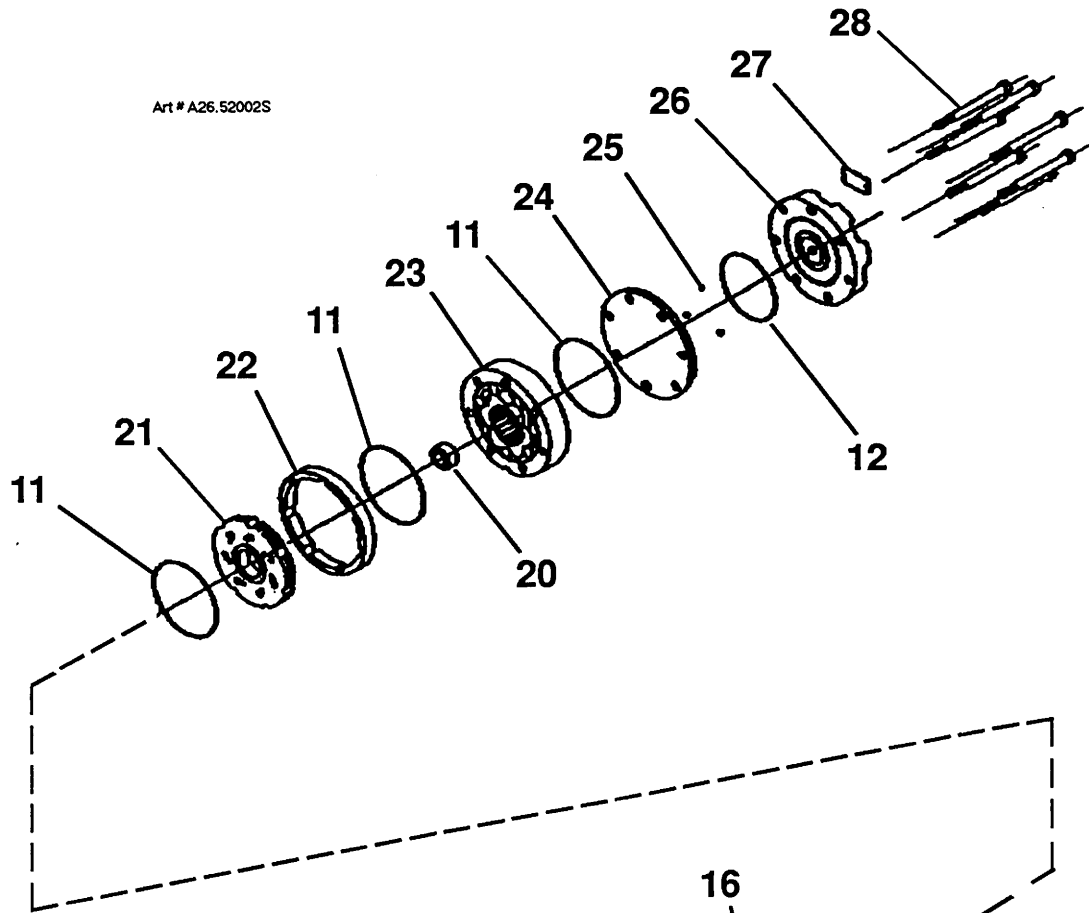
SIMON AERIALS INC.

REV. 03 MAY, 1993

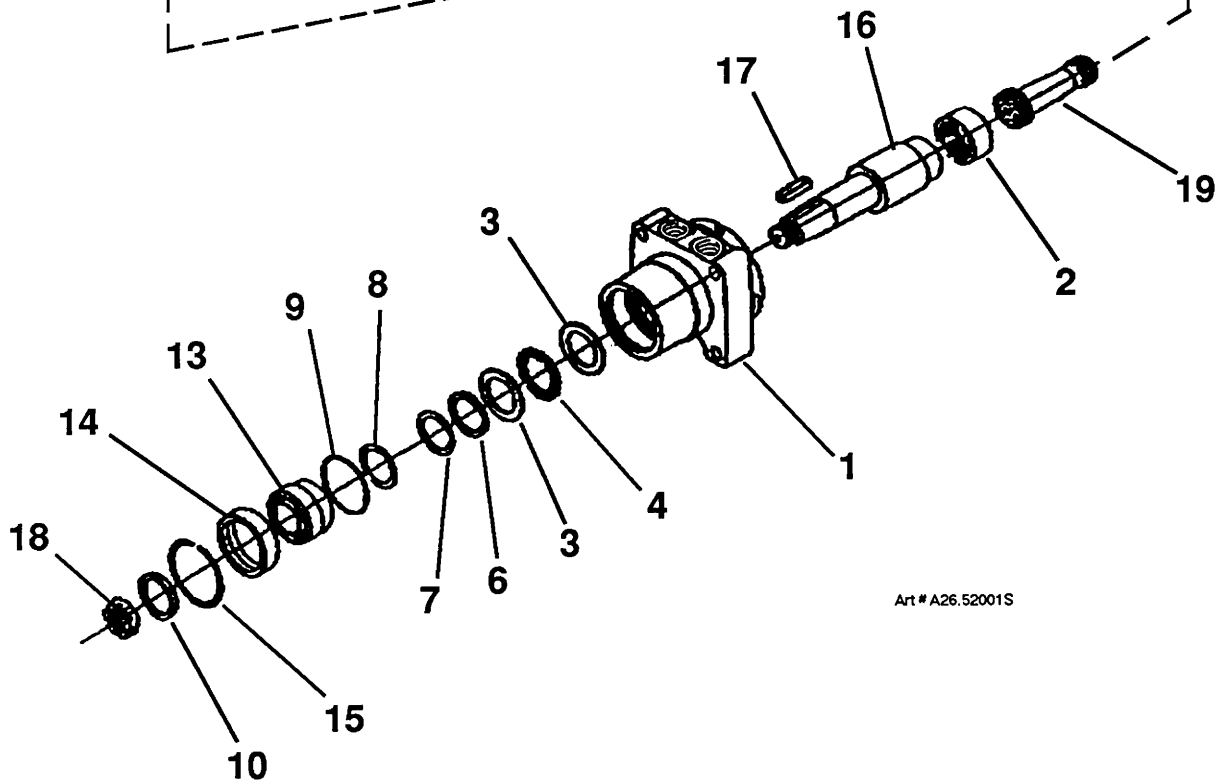
PART
NO.

01-205400

Art # A26.52002S



Art # A26.52001S



TITLE

WHEEL MOTOR ASSEMBLY

SIMON AERIALS INC.

REV. 03 MAY, 1993

PART
NO.

01-205400

PLATE
NO.

26.52

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-201600		MOTOR ASSEMBLY (Motor identification tag reads "RE 32070300")	
1			HOUSING	1
2			BEARING, ROLLER	1
3			BEARING, THRUST	2
4	01-205401		SEAL KIT	1
5			SEAL, CARRIER	1
6			WASHER, THRUST	1
7	01-201601		SEAL KIT	1
8			SEAL, HOUSING (high pressure)	1
9			RING, BACKUP	1
10			SEAL, SHAFT	1
11			SEAL, BACKUP	1
12			SHIM, BACKUP	1
13			RING, SNAP	1
14			SEAL, DUST	1
15			SEAL, BODY	3
16			SEAL, BODY	1
17	01-205404		NUT	1
18	01-201602		SHAFT	1
19			KEY	1
20			BEARING, ROLLER	1
21			LINK, DRIVE	1
22	01-205418		MANIFOLD	1
23	01-205412		BOOT, MANIFOLD	1
24			ROTOR SET ASSEMBLY	1
25	01-205413		PLATE, BALANCE (includes ball checks)	1
26	01-205414		CHECK, BALL (3/16")	4
27			COVER, END	1
28			PLATE, MOTOR IDENTIFICATION (with screws)	1
29	01-205420		BOLT SET (includes 7 bolts)	1

TITLE WHEEL MOTOR ASSEMBLY

PLATE NO. 26.54	SIMON AERIALS INC.	PART NO. 01-201600
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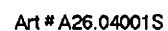
NEW 22 OCT., 1992

Art # A26.54002S

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The components are numbered as follows:

- 15:** Two circular end plates or covers.
- 22:** A central hub or rotor assembly.
- 23:** A ring or seal component.
- 24:** A circular plate with a central feature.
- 25:** A circular plate with a central feature.
- 26:** A circular plate with a central feature.
- 27:** A circular plate with a central feature.
- 28:** A circular plate with a central feature.
- 29:** A set of three parallel shafts or rods.

The assembly is shown in an exploded view, with dashed lines indicating the alignment and relative positions of the components. A large dashed line at the bottom indicates the overall assembly area.



WHEEL MOTOR ASSEMBLY

26.54

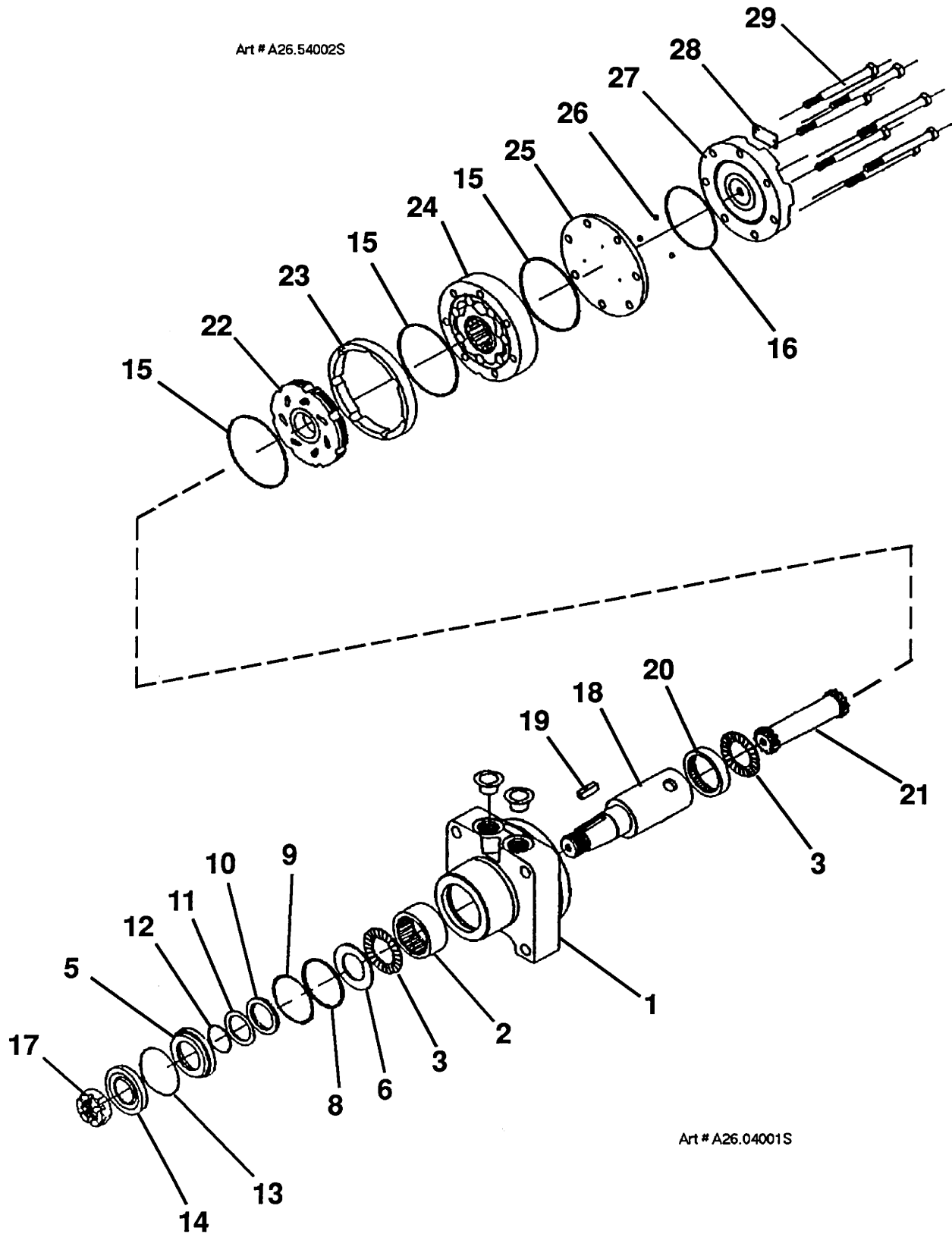
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	01-097300		MOTOR ASSEMBLY (Motor identification tag reads "RE 24070300")	
1			HOUSING	1
2			BEARING, ROLLER	1
3			BEARING, THRUST	2
4	01-074401		SEAL KIT	1
5			SEAL, CARRIER	1
6			WASHER, THRUST	1
7	01-201601		SEAL KIT	1
8			SEAL, HOUSING (high pressure)	1
9			RING, BACKUP	1
10			SEAL, SHAFT	1
11			SEAL, BACKUP	1
12			SHIM, BACKUP	1
13			RING, SNAP	1
14			SEAL, DUST	1
15			SEAL, BODY	3
16			SEAL, BODY	1
17			NUT	1
18	01-201602		SHAFT	1
19			KEY	1
20			BEARING, ROLLER	1
21			LINK, DRIVE	1
22	01-205418		MANIFOLD	1
23	01-205412		BOOT, MANIFOLD	1
24	01-208101		ROTOR SET ASSEMBLY	1
25	01-205413		PLATE, BALANCE (includes ball checks)	1
26	01-205414		CHECK, BALL (3/16")	4
27			COVER, END	1
28			PLATE, MOTOR IDENTIFICATION (with screws)	1
29			BOLT SET (includes 7 bolts)	1

TITLE WHEEL MOTOR ASSEMBLY

PLATE NO. 26.55	SIMON AERIALS INC.	NEW 23 OCT., 1992 <table style="float: right; border: none;"> <tr> <td style="border: none;">PART NO.</td> <td style="border: none;">01-097300</td> </tr> </table>	PART NO.	01-097300
PART NO.	01-097300			

Art # A26.54002S



Art # A26.04001S

TITLE

WHEEL MOTOR ASSEMBLY

SIMON AERIALS INC.

NEW 23 OCT., 1992

PART
NO.

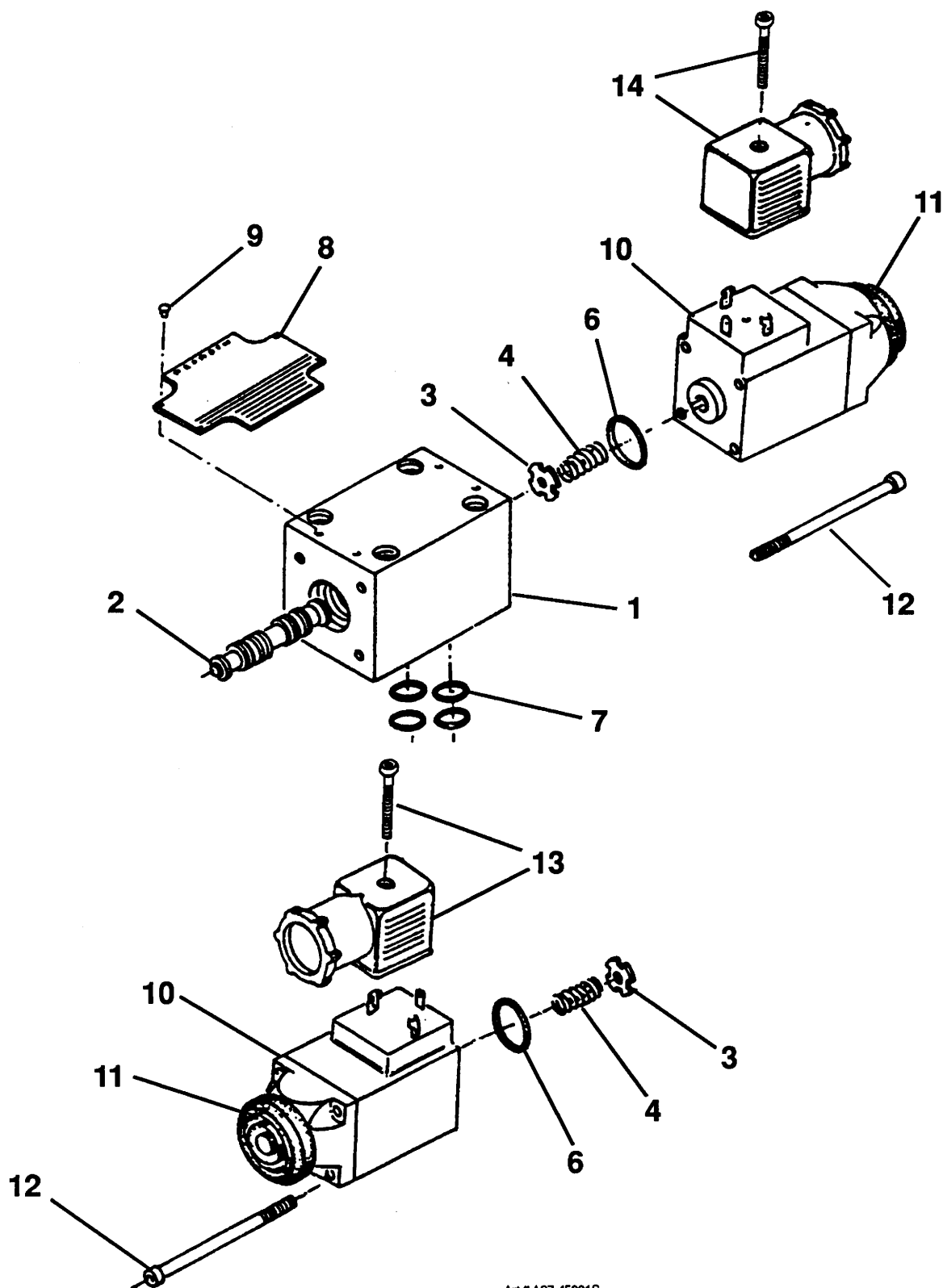
01-097300

PLATE
NO.

26.55

[illegible]

PLATE NO.	27.54	SIMON AERIALS INC.	NEW 29 JAN., 1992	PART NO.	01-205500
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Art # A27.45001S

TITLE DIRECTIONAL SOLENOID VALVE ASSEMBLY, FALCON 2548

SIMON AERIALS INC.

NEW 29 JAN., 1992

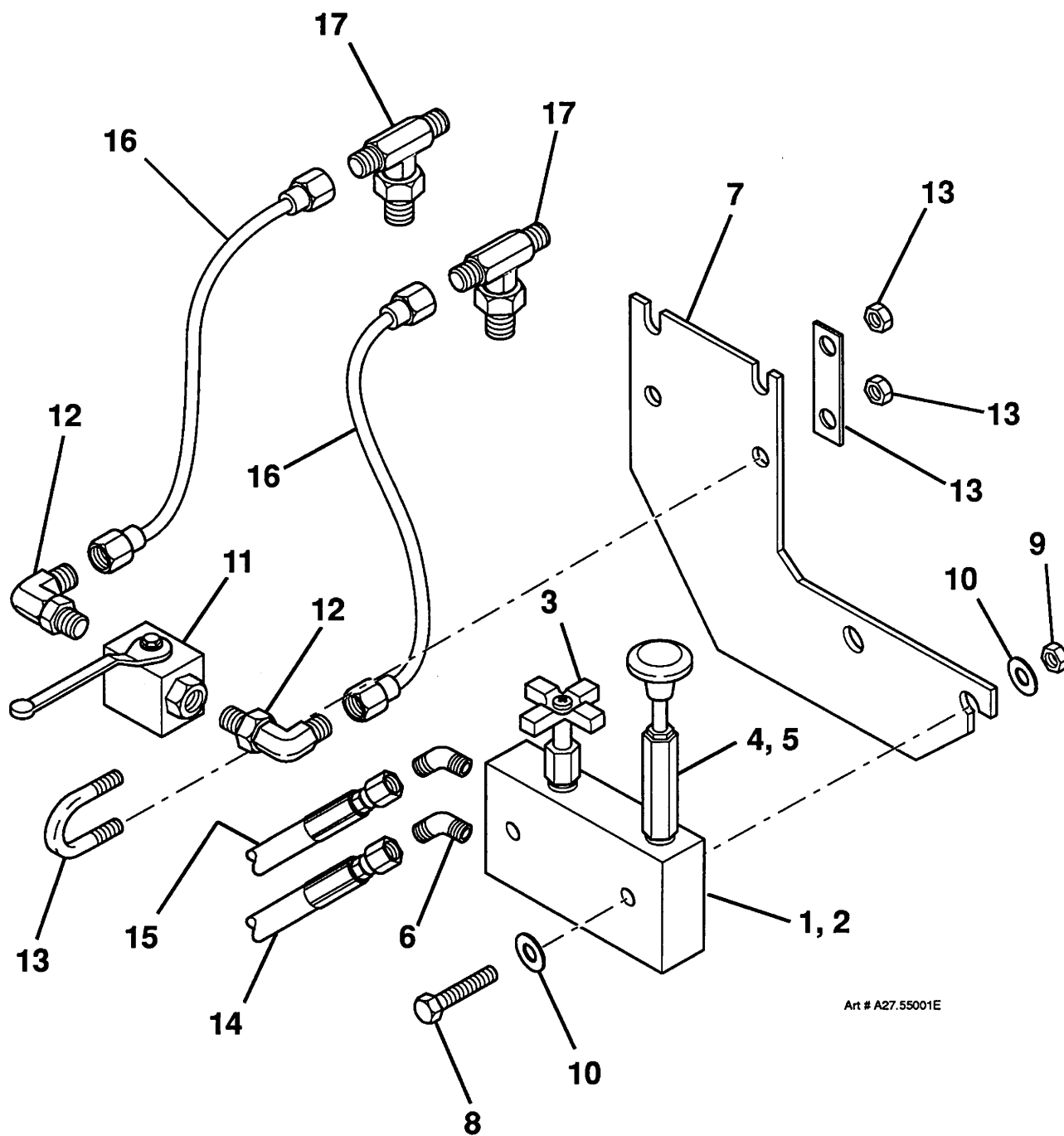
PART NO. 01-205500

PLATE NO. 27.54

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-209800		MANIFOLD, BRAKE RELEASE	1
2			BODY, VALVE	1
3	01-209801		VALVE, NEEDLE	1
4			PUMP, HAND	1
5	01-209802		SEAL KIT, HAND PUMP	1
6	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2
7	2187350		BRACKET, FREE WHEEL VALVE	1
8	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
9	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
10	07-062014		WASHER, FLAT (1/4")	4
11	01-210000		VALVE, BALL [9,000 PSI (632.79 Kg/ cm ²) (620.55 Bar) #4 SAE ports]	1
12	06-044500		ELBOW, STRAIGHT THREAD (6-4 C50X-S)	2
13	07-092400		"U"-BOLT (1/4"-20, 1" neck, 1-3/4" long, with plate and nuts)	2
14	05-097000		HOSE ASSEMBLY [42" (107 cm) long, with (1) 90° end]	1
15	3520690		HOSE ASSEMBLY [40-1/4" (102 cm) long]	1
16	3526270		HOSE ASSEMBLY [30" (76 cm) long]	2
17	06-207200		BRANCH TEE (#8 JIC/ #6 JIC/ #6 SAE)	2
18	10-124600		DECAL, MANUAL BRAKE RELEASE	1

TITLE		BRAKE RELEASE VALVE ASSEMBLY, FALCON 2548	
PLATE NO.	27.55	SIMON AERIALS INC. NEW 13 APR., 1992	PART NO. 3526410



TITLE

BRAKE RELEASE VALVE ASSEMBLY, FALCON 2548

SIMON AERIALS INC.

NEW 13 APR., 1992

PART
NO.

3526410

PLATE
NO.

27.55

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	No Part # 3525780		DECAL KIT, FALCON 2548 except for Japan. (includes items 2 thru 9) for Japan. (includes only items below with asterisk*)	1 1
2	10-084900	*	DECAL, "DANGER" (Electrocution Hazard)	3
3	10-112500	*	DECAL, "DANGER" (Battery care)	2
4	10-124500		DECAL, "CAUTION" (Emergency lowering . . .)	1
5	10-124600		DECAL, "CAUTION" (Manual brake release . . .)	1
6	10-083000	*	DECAL, "SIMON" NAME [4" (102 mm) high, black]	3
7	10-117500	*	DECAL, "FALCON" NAME (Angled type face, for earlier version)	2
8	10-113300	*	DECAL, MODEL "2548" (Angled type face, for earlier versions)	2
9	10-066800	*	PLATE, "1,000 LB. CAPACITY" (without folding deck)	2
10	10-121300		PLATE, "900 LB. CAPACITY" (used with folding deck)	2
11	10-112400		PLATE, "250 LB. CAPACITY" (used with folding deck)	2
12	07-021001		SCREW, DRIVE (#3-32-4 x 1/4")	12
13	10-112700	*	DECAL, "DANGER" (Platform operating instructions)	1
14	10-121800		DECAL, GROUND CONTROL	1
15	2175920		DECAL, PLATFORM CONTROL (earlier horizontal box)	1
16	10-121700		DECAL, PLATFORM CONTROL (later vertical box)	1
17	10-129300		DECAL, "FALCON" NAME (Straight type face, for later versions)	2
18	10-129500		DECAL, MODEL "2548" (Straight type face, for later versions)	2
19	10-108900	*	DECAL, STRIPING (bulk item, order as needed) [Black/ Maroon/ Black, 2-1/2" (64 mm) wide, early versions.]	A.R.
	10-126800		DECAL, STRIPING (bulk item, order as needed) [(4) Orange stripes, 3-3/4" (95 mm) wide for later versions.]	A.R.
20	10-131000		DECAL, SIMON "S" LOGO [Orange/ Gray, 5" (127 mm) wide x 7-1/2" (191 mm) high]	2
21	10-121600		DECAL, "MADE IN USA"	1

TITLE DECALS, FALCON 2548

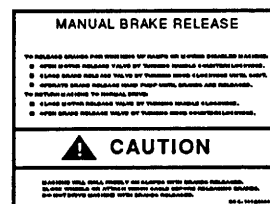
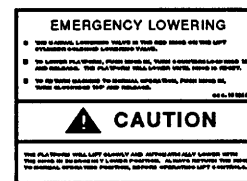
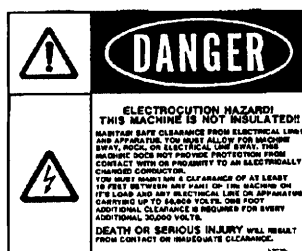
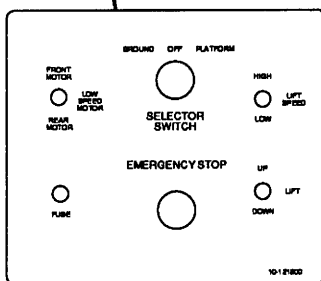
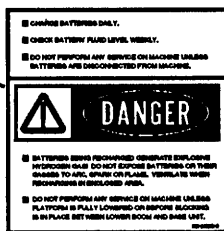
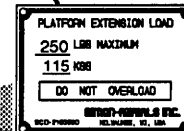
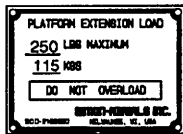
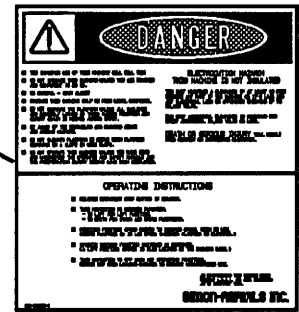
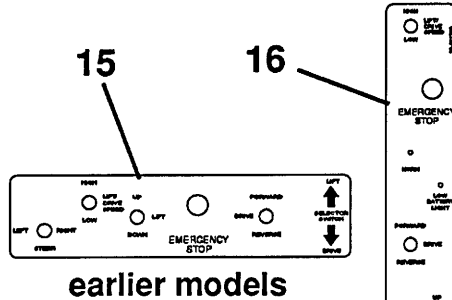
PLATE NO.	99.53	SIMON AERIALS INC.	PART NO.
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NEW 20 OCT., 1992

SIMON

SIMON

FALCON -2548



TITLE DECALS, FALCON 2548

SIMON AERIALS INC.

NEW 20 OCT., 1992

PART NO.

PLATE NO. 99.53

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	353 0840		DECAL KIT, 2548 (German) (includes items 2 through 11)	1
2	10-140300		DECAL, "ACHTUNG, NOTABLASS . . ." ("Danger, Emergency lowering . . .", German language)	1
3	10-140200		DECAL, "ACHTUNG, MANUELLES BREMSLÖSEN . . ." ("Danger, Manual brake release . . .", German language)	1
4	10-140700		DECAL, "MOTORLÖSEVENTIL . . ." (Hand pump, German language)	1
5	10-135400		DECAL, "Der aufenthalt . . . ist verboten" (Round) ("Stay out of operating zone", German language)	1
6	10-140000		DECAL, ". . . Max. Belastung 450 KG., 3 Personen . . ." (used on models without folding deck)	2
7	10-140100		DECAL, ". . . Max. Belastung 400 KG., 3 Personen . . ." (used with folding deck)	2
8	10-148100		DECAL, ". . . Max. Belastung 110 KG., 1 Person . . ." (used with folding deck)	2
9	10-146200		DECAL, GROUND CONTROL (German language)	1
10	10-146300		DECAL, PLATFORM CONTROL (German language)	1
11	10-135200		DECAL, PLATFORM OPERATING INSTRUCTION (10 steps, German language)	1
12	10-083000		DECAL, "SIMON" NAME [4" (102 mm) high, black]	3
13			DECAL, "FALCON" NAME	2
	10-117500		(Angled type face, for earlier version)	
	10-129300		(Straight type face, for later versions)	2
14			DECAL, MODEL "2548"	
	10-113300		(Angled type face, for earlier versions)	2
	10-129500		(Straight type face, for later versions)	2
15	10-108900		DECAL, STRIPING (bulk item, order as needed)	
			[Black/ Maroon/ Black, 2-1/2" (64 mm) wide, early versions.]	A.R.
	10-126800		DECAL, STRIPING (bulk item, order as needed)	
			[(4) Orange stripes, 3-3/4" (95 mm) wide for later versions.]	A.R.
16	10-131000		DECAL, SIMON "S" LOGO [Orange/ Gray, 5" (127 mm) wide x 7-1/2" (191 mm) high]	2
17	10-121600		DECAL, "MADE IN USA"	1

TITLE DECALS, FALCON 2548 (GERMAN STANDARDS)

PLATE NO.	99.57	SIMON AERIALS INC.	NEW 23 OCT., 1992	PART NO.
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