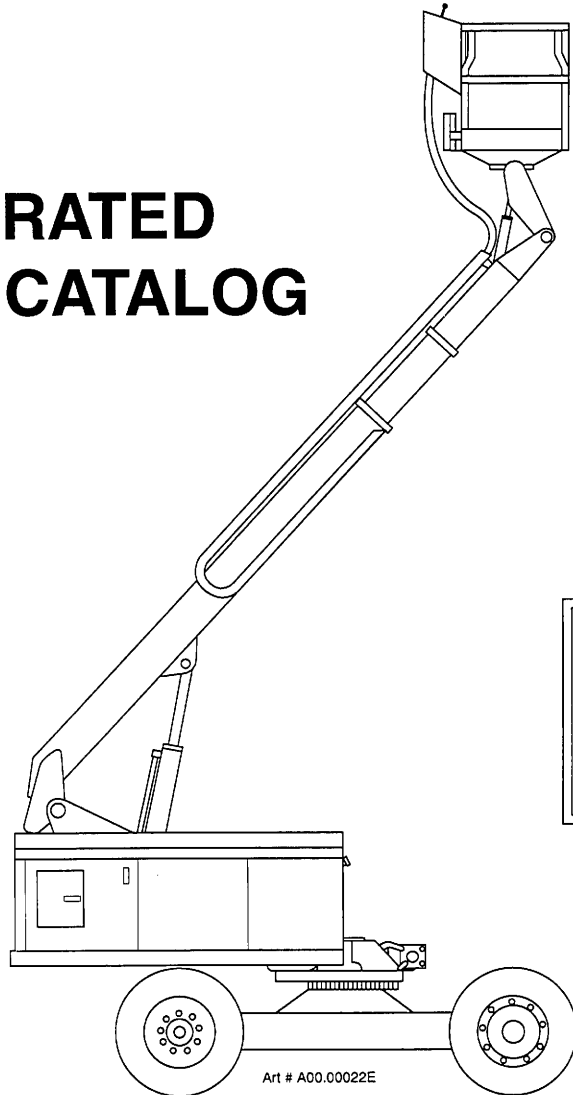




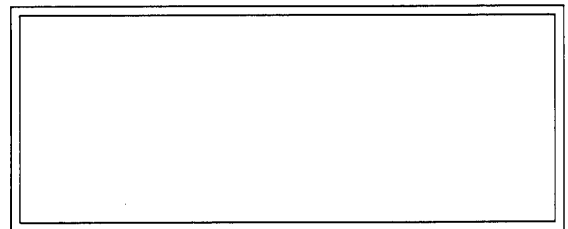
SELF-PROPELLED STRAIGHT BOOM LIFT MODEL MPH 80

ILLUSTRATED PARTS CATALOG



Art # A00.00022E

FOR PARTS OR SERVICE
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P/N 89-182495

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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 MPH 80 SELF-PROPELLED AERIAL WORK PLATFORMS equipped with "ELECTRO-PROPORTIONAL" controls. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure proper OPERATION and reliable PERFORMANCE.

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

HOW TO USE THIS CATALOG

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

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to MPH 80 "ELECTRO-PROPORTIONAL" machines are included in this Catalog.

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

The Parts Catalog is divided into "Sections", numbered from B01 through F99. Each section contains the individual parts that make up a major component, assembly or item. The first four sections (B01 through B04) contain the major assemblies, or "Primary Machine Component Groups". Sections that follow contain sub-assemblies or components of these "major" assemblies.

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

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

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

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

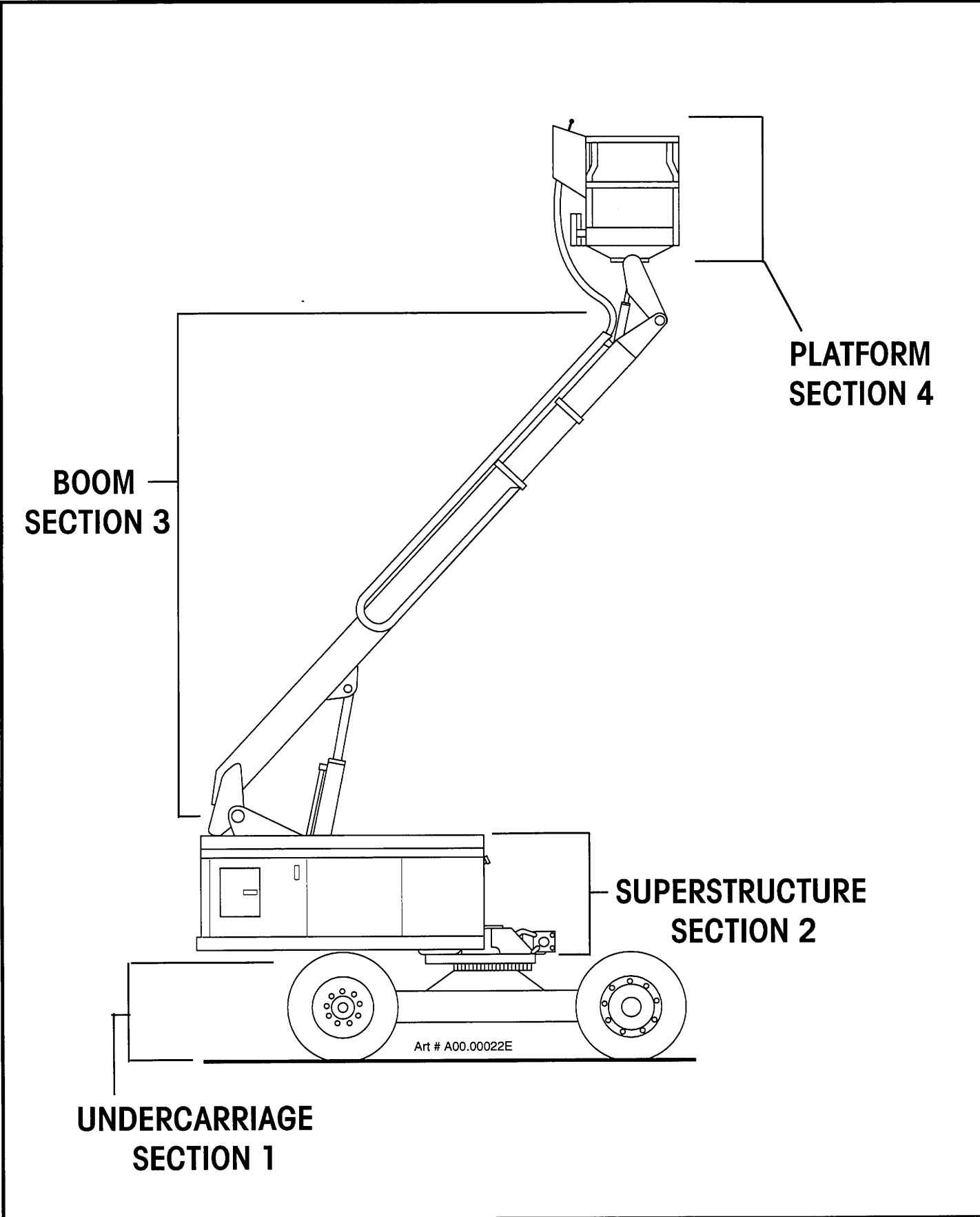
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

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



		TITLE				
		PRIMARY MACHINE COMPONENT GROUPS, MPH 80				
PART NO.		REV.	DATED	SECTION	PLATE NO.	PAGE
		-	NOV. 1997			

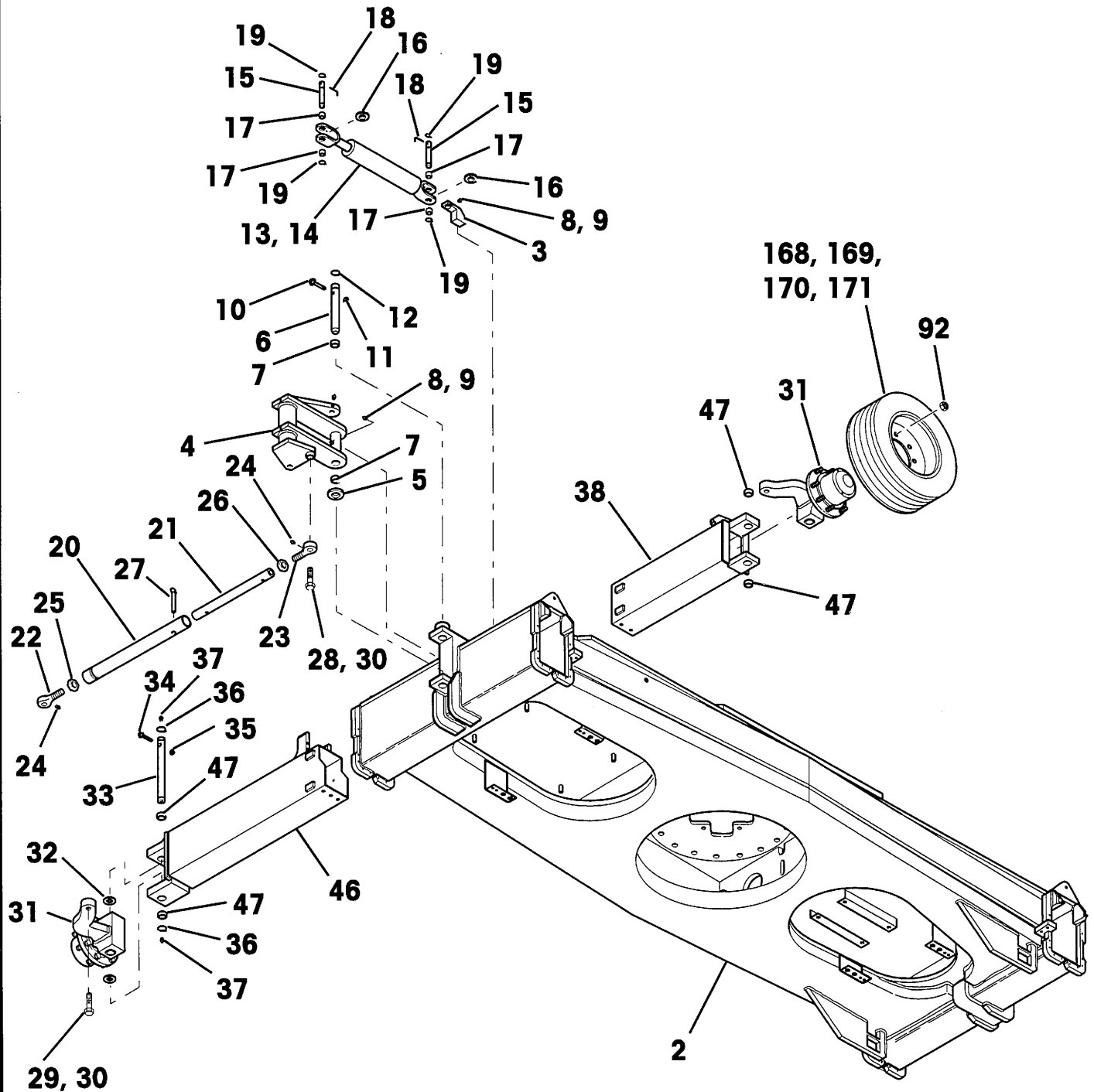
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			This undercarriage for long reach, heavy capacity 2-wheel drive MP or RP series (MPH 80, MP 95, MP 110, RP 120) with extendable axles and Tri-Flow Drive Valve system.	
1	354 9780		UNDERCARRIAGE GROUP	1
2	237 3300		UNDERCARRIAGE WELDMENT (for two-wheel drive)	1
3	232 8170		EAR, STEER CYLINDER MOUNTING (must be welded in place)	1
4	209 5932		ARM, CENTER STEER (without tow package) (Note: with tow package, also order tow bar pin tube, part number 210 3600. Welding required.)	1
5	08-014100		WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	2
6	208 9962		PIN, STEER ARM (1-1/2" dia. x 19" long)	1
7	08-014000		BEARING, SLEEVE (Bronze) (1.50" I.D., 1.75" O.D., 1.5" long)	2
8	08-050000		FITTING, GREASE (1/8", straight)	3
9	08-066300		CAP, GREASE FITTING (White plastic)	3
10	07-003095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 5)	1
11	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
12	08-040900		RING, RETAINING (1.5")	1
13	232 8190	D01.11	CYLINDER, STEER	1
14	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
15	232 8180		PIN, STEER CYLINDER	2
16	08-080500		WASHER, BEARING (1" I.D., 1-5/8" O.D., 1/8" thick)	2
17	08-070400		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	4
18	219 7360		PIN, LOCK ("L"-type, 2" [51 mm] long)	2
19	08-040600		RING, RETAINING (1")	4
20	209 1367		TIE ROD (outer)	2
21	209 1358		TIE ROD (inner)	2
22	08-016800		END, TIE ROD (Right hand thread) (includes grease fitting)	2
23	08-016900		END, TIE ROD (Left hand thread) (includes grease fitting)	2
24	08-053100		FITTING, GREASE (1/4"-28, Straight)	4
25	07-090004		NUT, JAM (1-1/4"-12, Right hand thread)	2
26	07-090005		NUT, JAM (1-1/4"-12, Left hand thread)	2
27	07-080001		PIN, HITCH (3/4" x 3")	2
28	07-090008		CAP SCREW, HEX HEAD (1"-8 x 3-1/2", Grade 8)	2
29	07-090009		CAP SCREW, HEX HEAD (1"-8 x 5", Grade 8)	2
30	07-090011		NUT, TOP LOCK (1"-8)	2

TITLE UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION B01. PLATE NO. 40 PAGE 01 REV. - DATED 13 MAY, 1997 PART NO. 354 9780

Simon Aerials Inc.
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Art #B01.40001E

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

REV.

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DATED

13 MAY, 1997

SECTION

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
31	354 0700	C01.18	UNDERCARRIAGE ASSEMBLY (continued)	
32	08-014100		SPINDLE ASSEMBLY, FRONT WHEEL	2
			WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)	4
33	209 1419		PIN, SPINDLE (1-1/2" dia. x 14-5/16" long)	2
34	07-004102		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)	2
35	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
36	08-040900		RING, RETAINING (1-1/2")	4
37	08-050500		FITTING, GREASE (1/4"-28, 45°)	4
38	209 1176		TUBE ASSEMBLY, STEER AXLE (inner)	1
39	214 2040			
			TUBE ASSEMBLY, DRIVE AXLE (inner)	1
40	209 1329		PLATE, INNER AXLE TUBE WEAR (lower)	2
41	07-121300		CAP SCREW, FLAT HEAD (1/2"-13 x 3/4", Stn. Stl.)	4
42	230 2270		BEARING PAD AND STOP (inner axle)	8
43	07-090035		CAP SCREW, FLAT HEAD (1/2"-13 x 1-1/2", Grade 8)	16
44	209 1279		PLATE, INNER AXLE TUBE WEAR (side)	4
45	07-121400		CAP SCREW, FLAT HEAD (1/2"-13 x 1-1/4", Stn. Stl.)	8
46	209 1181		TUBE ASSEMBLY, STEER AXLE (outer)	1
47	08-014000		BEARING, SLEEVE (Bronze) (1.50" I.D., 1.75" O.D., 1.5" long)	4
48	214 2020		TUBE ASSEMBLY, DRIVE AXLE (outer)	1
49	209 1334		PLATE, OUTER AXLE TUBE WEAR (lower)	2
50	07-121300		CAP SCREW, FLAT HEAD (1/2"-13 x 3/4", Stainless Steel)	6
51	209 1297		PLATE, OUTER AXLE TUBE WEAR (side)	2
52	07-003085		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5) (to attach side wear plates. Grind flush after installation)	4
53	07-065018		WASHER, HELICAL LOCK (1/2")	4

TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION

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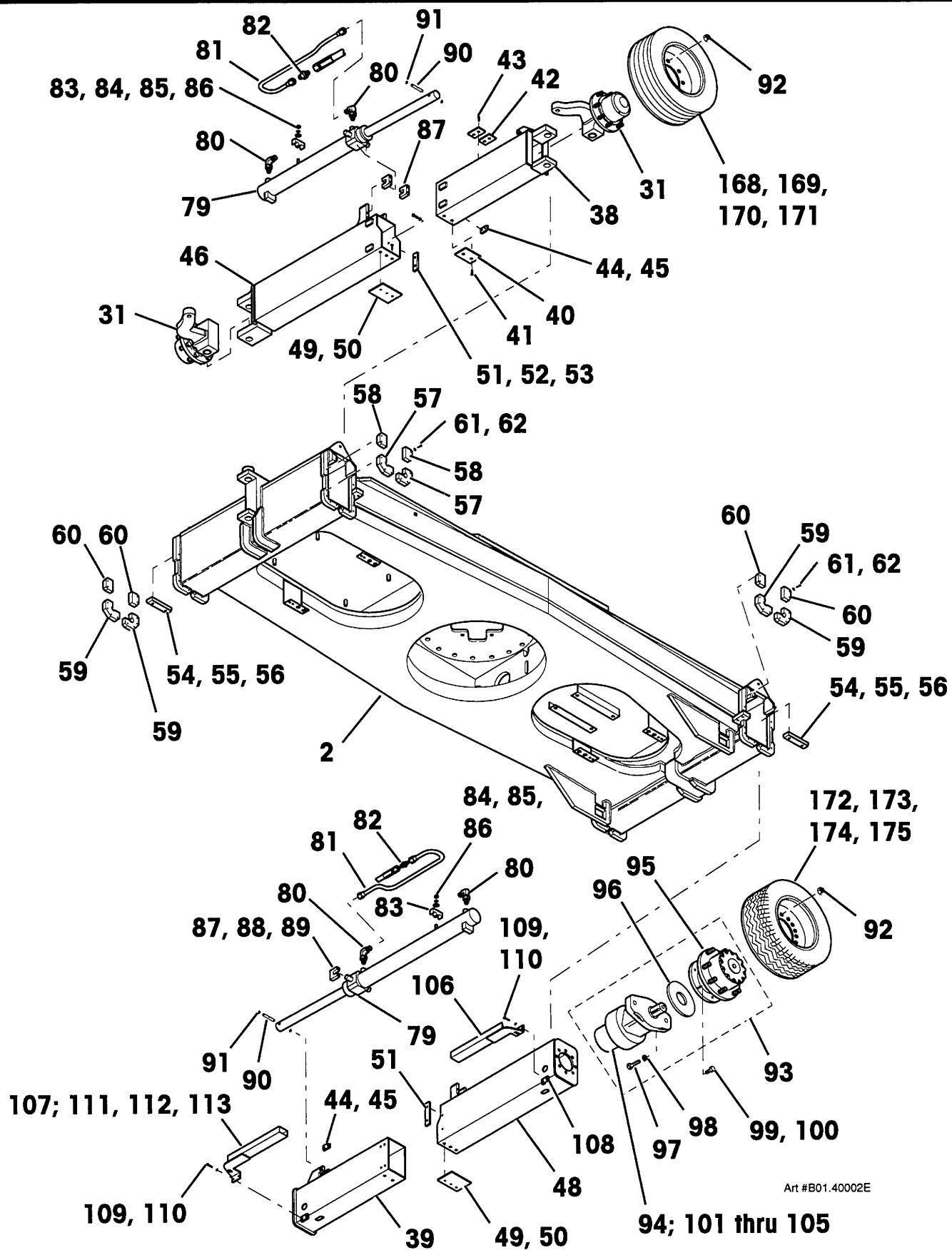
DATED

13 MAY, 1997

PART NO.

354 9780

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

REV.

DATED

13 MAY, 1997

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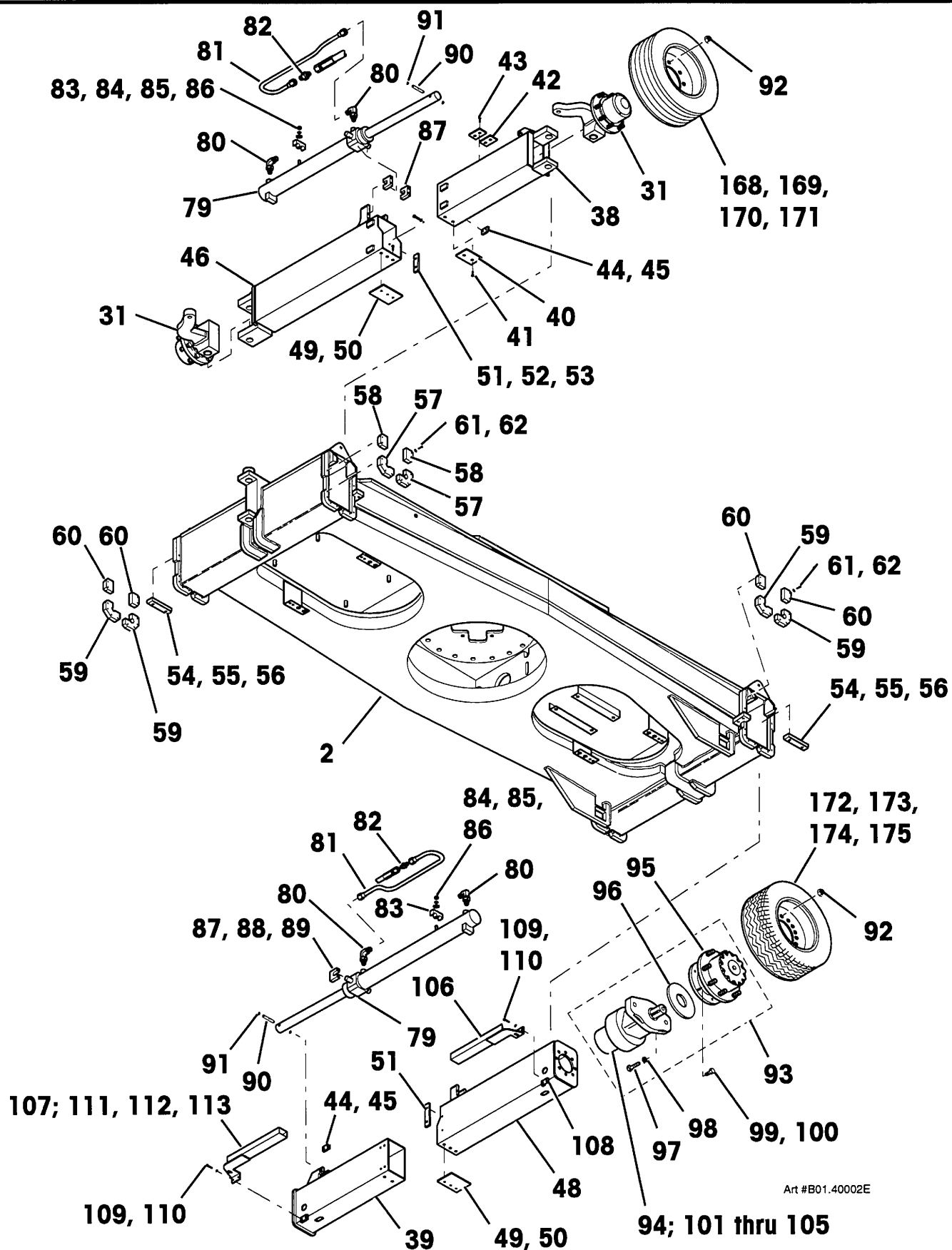
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			UNDERCARRIAGE ASSEMBLY (continued)	
57	209 0922		RETAINER, AXLE (inner tube lower) (Drill at assembly)	4
58	209 0940		RETAINER, AXLE (inner tube upper) (Drill at assembly)	4
59	209 0870		RETAINER, AXLE (outer tube lower) (Drill at assembly)	4
60	209 0937		RETAINER, AXLE (outer tube upper) (Drill at assembly)	4
61	07-004133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)	48
62	07-061021		WASHER, FLAT (5/8", hardened)	48
63	03-493700		SWITCH, LIMIT (side rotary) (1 normally open, 1 normally closed contacts)	4
64	03-494200		ARM, LIMIT SWITCH (Adjustable roller, 1" to 3-3/4" length)	4
65	07-121500		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Stinless Stl.)	8
66	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	4
67	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (Bulk item. 32 ft [9.8 m] required this application)	A.R.
68	03-473700		HOUSING, TERMINAL (4 conductor)	1
69	03-473800		HOUSING, CONNECTOR (4 conductor, male)	1
70	03-486000		HOUSING, TERMINAL (2 conductor)	5
71	03-735500		HOUSING, CONNECTOR (2 conductor, female)	5
72	03-473900		PIN, TERMINAL (#14 - #16 ga. wire)	28
73	03-474000		SOCKET, TERMINAL (#14 - #16 ga. wire)	28
74	03-474100		SEAL, WIRE (0.079" - 0.110" dia.)	28
75	10-060600		CLAMP (G6, 3/8")	8
76	07-050014		NUT, LOCK (1/4"-20, Grade 5)	6
77	07-062014		WASHER, FLAT (1/4")	6
78	211 4480		BLOCK, LIMIT SWITCH ACTUATOR (must be welded to axle tube)	4
79	04-060400		CYLINDER, AXLE EXTEND	2
80	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	4
81	234 2470		TUBE ASSEMBLY, HYDRAULIC	2
82	06-015000		UNION (6 HTX-S)	2
83	205 4670		CLAMP, HOSE (2 hole, #4)	2
84	07-040015		NUT, HEX (5/16"-18, Grade 5)	2
85	07-065015		WASHER, HELICAL LOCK (5/16")	2
86	07-062015		WASHER, FLAT (5/16")	2
87	209 0977		RETAINER, AXLE EXTEND CYLINDER (Trunnion mount)	4
88	07-003092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 5)	8
89	07-065018		WASHER, HELICAL LOCK (1/2")	8
90	209 1400		PIN, AXLE CYLINDER (rod end) (1" dia. x 3-3/4" long)	2
91	08-040600		RING, RETAINING (1")	4
92	07-058123		NUT, FLANGED (Self locking) (3/4"-16, Grade 5)	40

TITLE UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION B01. PLATE NO. 40 PAGE 03 REV. - DATED 13 MAY, 1997 PART NO. 354 9780

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Art #B01.40002E

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

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DATED

13 MAY, 1997

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
93	351 0540		UNDERCARRIAGE ASSEMBLY (continued)	2
94	01-064200	D03.09	DRIVE HUB ASSEMBLY	1
95	02-010500	F01.07	MOTOR, HYDRAULIC	1
96	01-030900		HUB, TORQUE	1
97	07-003087		SEAL	1
98	07-065018		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2
99	07-004128		WASHER, HELICAL LOCK (1/2")	2
100	07-061021		CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 8)	16
101	06-040800		WASHER, FLAT (5/8", hardened)	16
102	06-043000		ADAPTER, "O"-RING TO 37° (12 F50X-S)	4
103	06-039300		ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)	2
			ADAPTER, "O"-RING TO 37° (4 F50X-S)	2
104	214 1980		TUBE, HYDRAULIC (Drive motor, right) (not shown)	1
105	214 1990		TUBE, HYDRAULIC (Drive motor, left) (not shown)	1
106	214 2270		CARRIER, HOSE (drive axle, left)	1
107	214 2280		CARRIER, HOSE (drive axle, right)	1
108	209 1486		FLAT, DRIVE HOSE CARRIER (must be welded to drive tubes)	2
109	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	4
			(to attach hose carriers)	
110	07-065018		WASHER, HELICAL LOCK (1/2")	4
111	06-033800		90° ELBOW, BULKHEAD UNION (12 WETX-S)	2
112	217 6990		WASHER (modified Fender Washer 10-002600,	
			1/2" I.D., 2" O.D.)	2
113	06-051800		90° ELBOW, SWIVEL NUT (12 C6X-S)	1

TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

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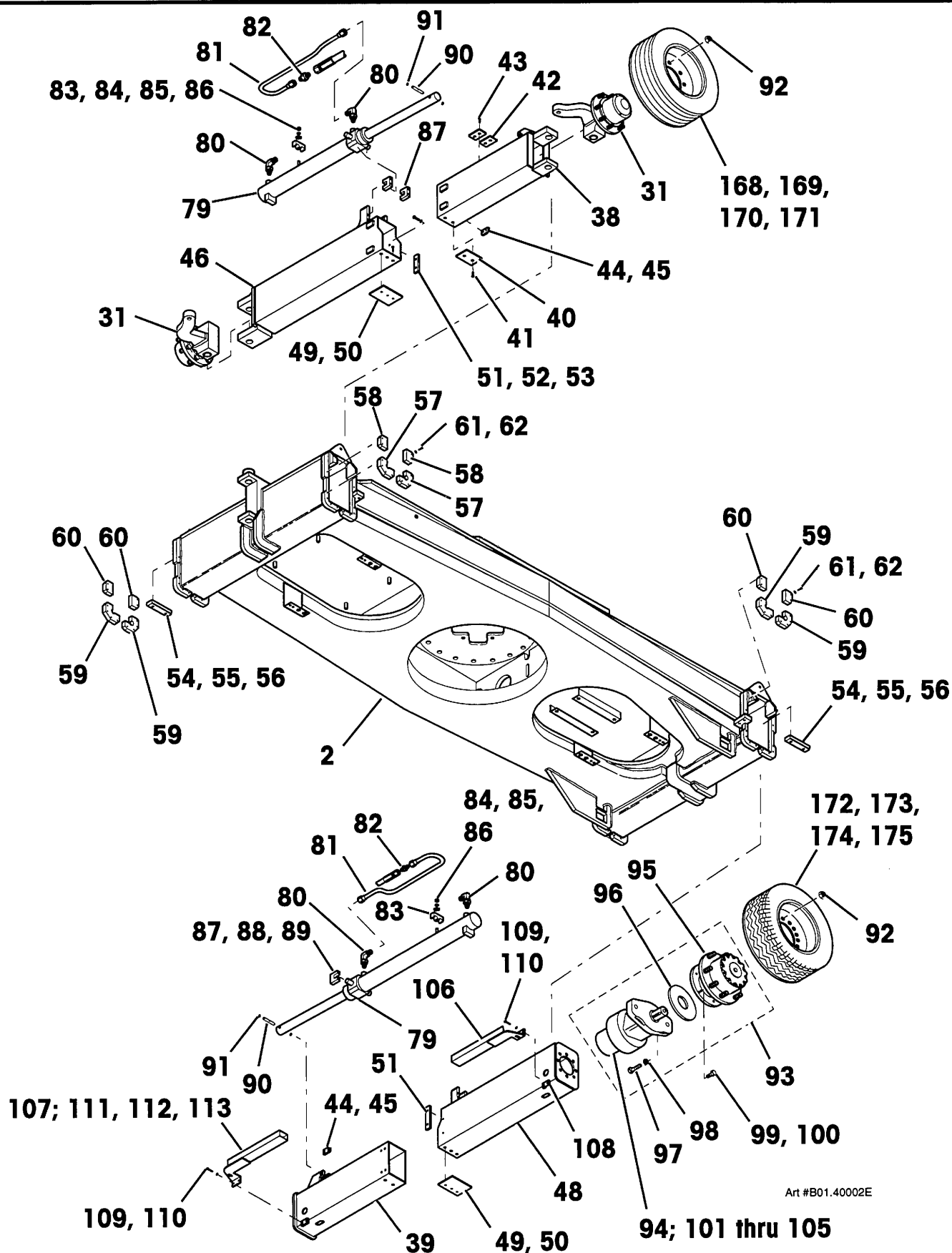
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PART NO.

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UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

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13 MAY, 1997

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
117	04-008700	D02.01	UNDERCARRIAGE ASSEMBLY (continued)	1
118	210 1030		SWIVEL, HYDRAULIC STOP, SWIVEL	2
119	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4
120	07-065018		WASHER, HELICAL LOCK (1/2")	4
121	06-047700		Ports 1 and 2, Hydraulic Swivel top section: 45° ELBOW, "O"-RING TO 37° (16 V50X-S)	2
122	06-047100		Port 3, top section: 45° ELBOW, "O"-RING TO 37° (8 V50X-S)	1
123	06-090600		Ports 4 and 5, top section: REDUCER/ EXPANDER (8-6 F50 G5-S)	2
124	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
125	06-095100		Port 6, top section: PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	1
126	03-045000		Center port, top section: REDUCER (3/4" to 1/2")	1
127	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	1
128	06-045800		Port 1, Hydraulic Swivel bottom section: 90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
129	06-045800		Port 2, bottom section: 90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
130	06-050100		Port 3, bottom section: BRANCH TEE, MALE "O"-RING (8 S50X-S)	1
131	06-054600		RUN TEE, 37° FEMALE SWIVEL NUT (8 R6X-S)	2
132	06-044700		Ports 4 and 5, bottom section: 90° ELBOW, "O"-RING TO 37° (6-8 C50X-S)	2
133	06-095100		Port 6, bottom section: PLUG, HEX SOCKET "O"-RING (8 HP50N-S)	1
134	11-020010		Center port, bottom section (for electrical swivel): NIPPLE, PIPE THREAD (3/4" NPT x 2" long)	1

TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION

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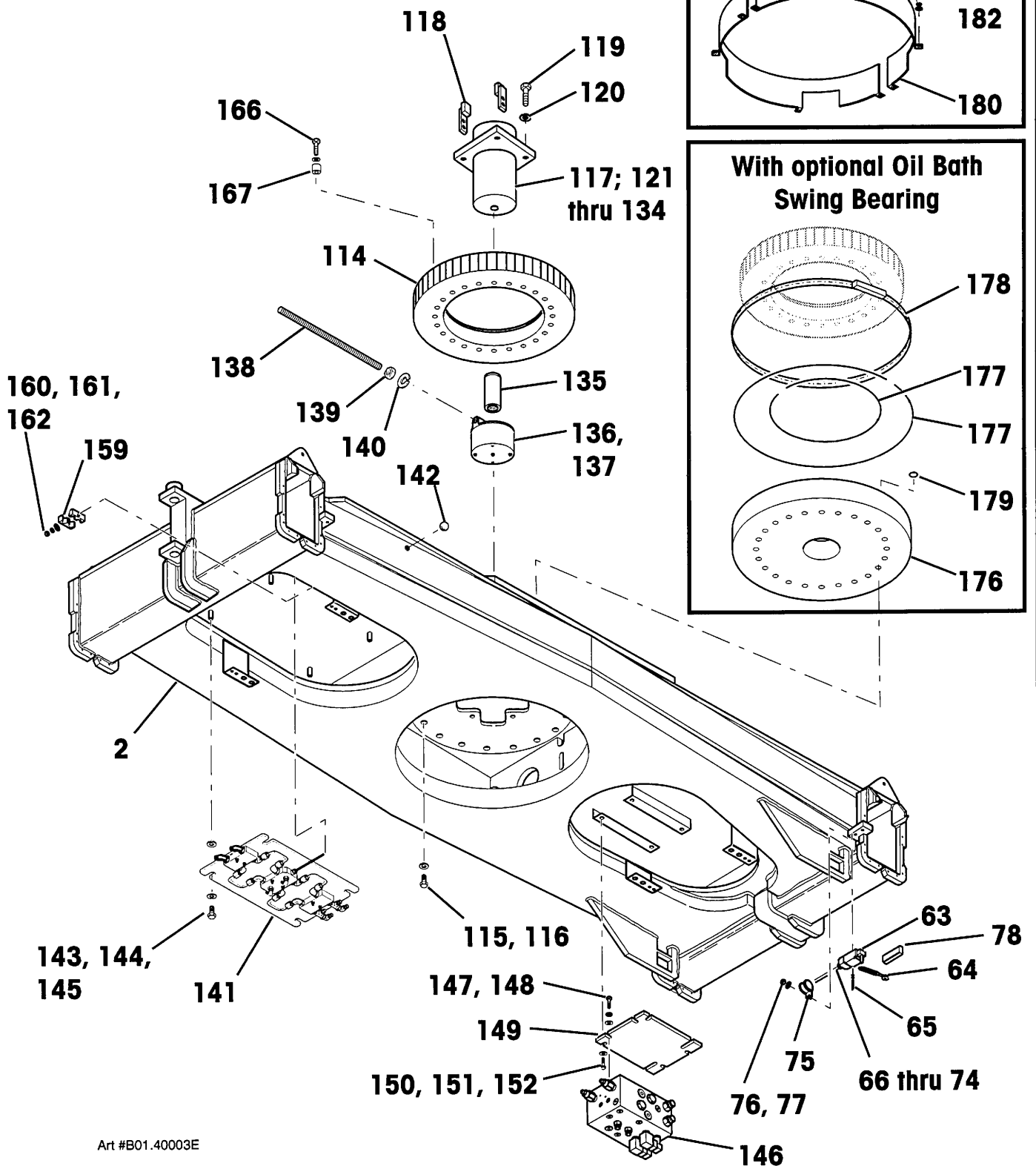
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Art #B01.40003E

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

REV.

DATED

13 MAY, 1997

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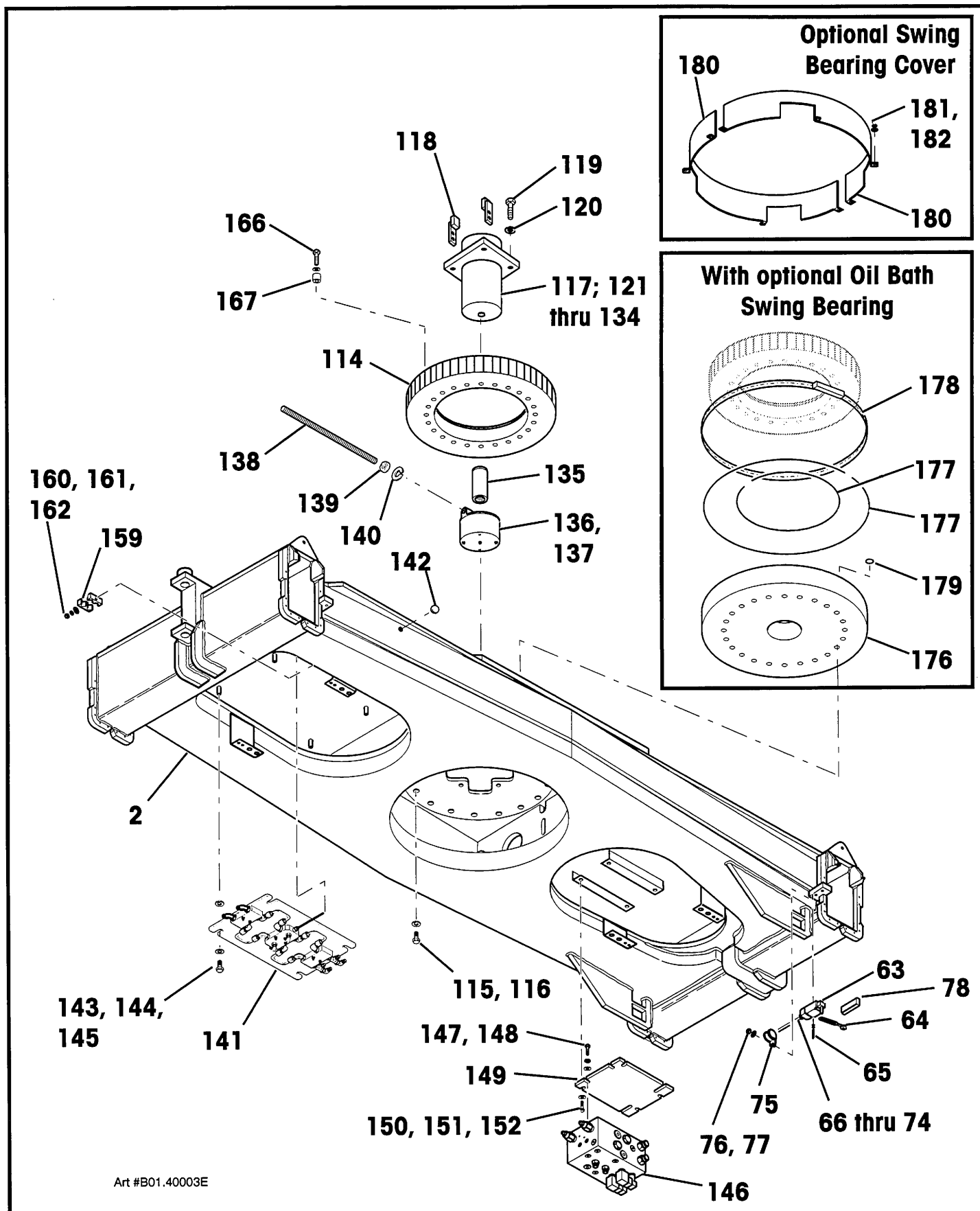
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
135	206 7559		UNDERCARRIAGE ASSEMBLY (continued)	
136	03-438500		ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL	1
137	03-085700		SWIVEL ASSEMBLY, ELECTRICAL (6 circuit)	1
138	11-007006		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, order as needed. 23 ft [7.0 m] required here.)	A.R.
139	07-040018		ROD, THREADED (1/2"-13 x 3 ft section. Need 18" here.)	1
140	07-065018		NUT, HEX (1/2"-13, Grade 5)	1
141	351 6830	C12.01	WASHER, HELICAL LOCK (1/2")	1
142	10-042400		SELECTOR VALVE ASSEMBLY (Steer/ Axle extend)	1
143	07-003045		KNOB, BALL (Plastic)	4
144	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
145	07-062016		WASHER, HELICAL LOCK (3/8")	4
146	355 3080	C12.08	WASHER, FLAT (3/8")	1
147	07-003045		VALVE ASSEMBLY, DRIVE	4
148	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
149	236 1790		WASHER, HELICAL LOCK (3/8")	1
150	07-003046		BRACKET, VALVE MOUNTING	4
151	07-062016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8
152	07-050016		WASHER, FLAT (3/8")	4
153	06-033300		NUT, LOCK (3/8"-16)	2
154	06-033500		90° ELBOW, BULKHEAD UNION (4 WETX-S)	2
155	06-033800		90° ELBOW, BULKHEAD UNION (6 WETX-S)	4
156	06-054300		90° ELBOW, BULKHEAD UNION (12 WETX-S)	1
157	06-051300		RUN TEE, 37° FEMALE SWIVEL NUT (4 R6X-S)	1
158	355 3070		90° ELBOW, SWIVEL NUT (4 C6X-S)	1
159	205 4670		HOSE KIT, 2WD UNDERCARRIAGE	2
160	07-050014		CLAMP, HOSE (2 hole, #4)	2
161	07-065014		NUT, LOCK (1/4"-20, Grade 5)	2
162	07-062014		WASHER, HELICAL LOCK (1/4")	2
163	10-113000		WASHER, FLAT (1/4")	4
164	03-064700		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	16
165	03-066400		TIE, CABLE (14-1/2" [37 cm] long)	8
			TIE, CABLE (20" [51 cm] long)	
			The following items are not included in the Undercarriage Assembly:	
166	07-004158		CAP SCREW, HEX HEAD (Swing bearing to superstructure)	20
	07-004162		(3/4"-10 x 4-1/2", Grade 8)	11
167	209 3349		(3/4"-10 x 6", Grade 8)	11
			SPACER	

TITLE UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION B01. PLATE NO. 40 PAGE 06 REV. - DATED 13 MAY, 1997 PART NO. 354 9780

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

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DATED

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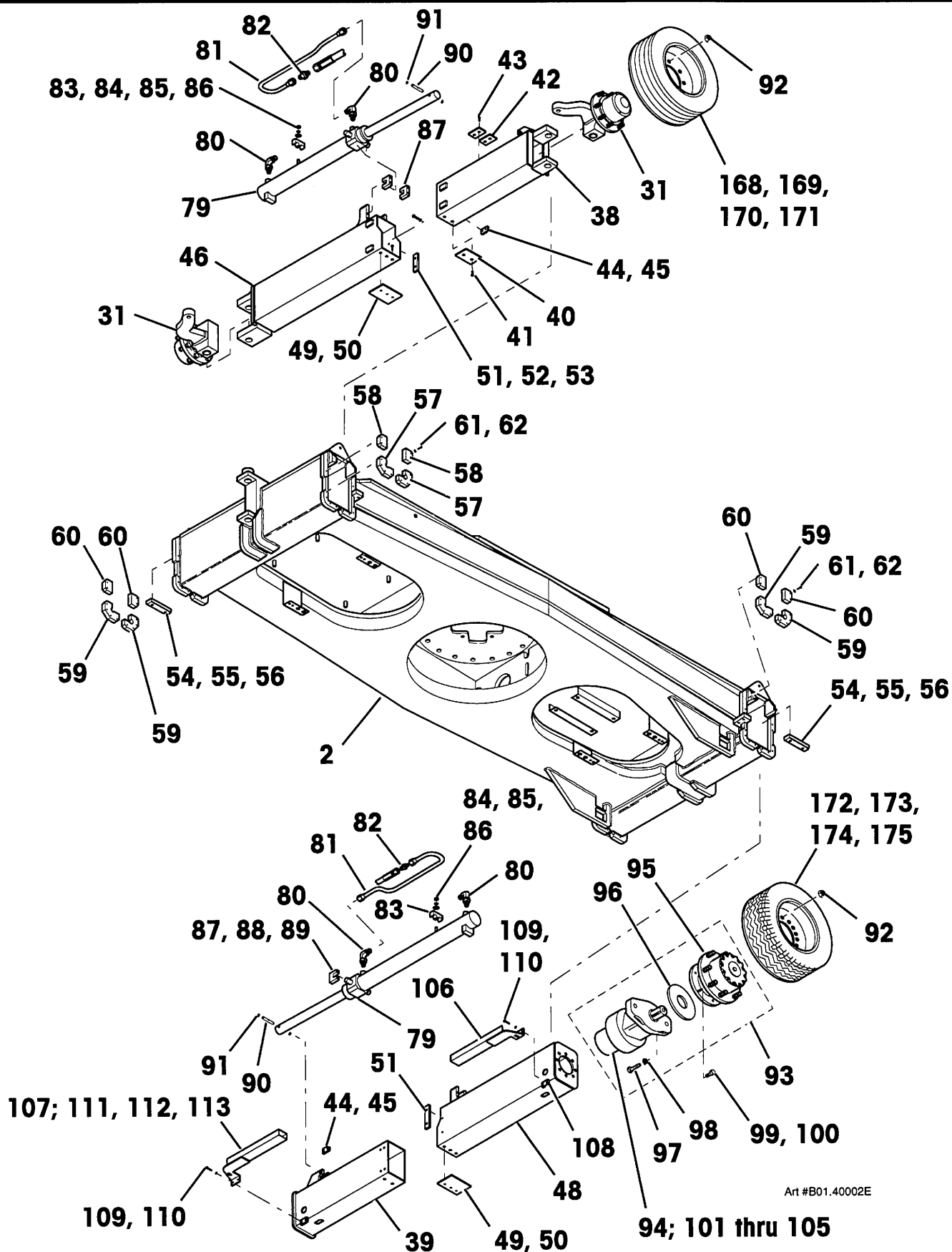
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Tires should be replaced in axle pairs. When replacing tires, or tire and wheel assemblies, it is important that left and right sides of a single axle match in tire type. Refer to tire descriptions below:	
168	350 9180		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
169	02-003700		TIRE (15-22.5, 16 Ply, Tubeless, non-directional tread)	1
170	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
171	02-047000		INNER TUBE	1
			<i>Or ...</i>	
168	351 2060		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
169	02-003700		TIRE (15-22.5, 16 Ply, Tubeless, non-directional tread)	1
170	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
			<i>Or ...</i>	
168	351 1440		TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)	2
169	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
170	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
171	02-047000		INNER TUBE	1
			<i>Or ...</i>	
168	351 2050		TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)	2
169	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
170	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
			<i>Or ...</i>	
169	02-038600		TIRE, NON MARKING (Optional 12" x 20" solid tire)	2
170	02-043900		WHEEL ASSEMBLY (Two piece, 20" x 8")	2
			<i>Or ...</i>	
172	351 1440		TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)	2
173	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
174	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
175	02-047000		INNER TUBE	1
			<i>Or ...</i>	
172	351 2050		TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)	2
173	02-003600		TIRE (15-22.5, 16 Ply, Tubeless, directional tread)	1
174	202 9704		WHEEL ASSEMBLY (22.5" x 12-1/4")	1
			<i>Or ...</i>	
173	02-038600		TIRE, NON MARKING (Optional 12" x 20" solid tire)	2
174	02-043900		WHEEL ASSEMBLY (Two piece, 20" x 8")	2

TITLE UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

SECTION **B01.** PLATE NO. **40** PAGE **07** REV. **-** DATED **13 MAY, 1997** PART NO. **354 9780**

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Art #B01.40002E

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TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

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354 9780

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following optional items are available:	
176	208 8419		PAN, SWING BEARING OIL	1
177	10-005500		SEAL, BEARING (Bulk item, order as needed. 17 Ft [5.2 M] used in this application)	A.R.
178	09-047600		CLAMP KIT, SEAL (1/2" wide stainless steel, with hardware)	
179	01-040400		(50 Ft [15.2 M] in kit is sufficient for two applications) "O"-RING	A.R. 18
180	237 1770		GUARD, SWING BEARING	2
181	07-044014		NUT, ACORN (1/4"-20)	8
182	07-062014		WASHER, FLAT (1/4")	8
183	10-042700		BOOT, STEER CYLINDER (not shown) (3" I.D., 4.5" O.D., 10" long)	1
184	09-008500		CLAMP, HOSE (3-1/2", worm type)	1
185	09-008700		CLAMP, HOSE (4-1/2", worm type)	1
186	03-472100		STRAP, GROUNDING (not shown)	1
187	07-058400		NUT, LUG (1/2"-13, Grade 8)	1

TITLE

UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

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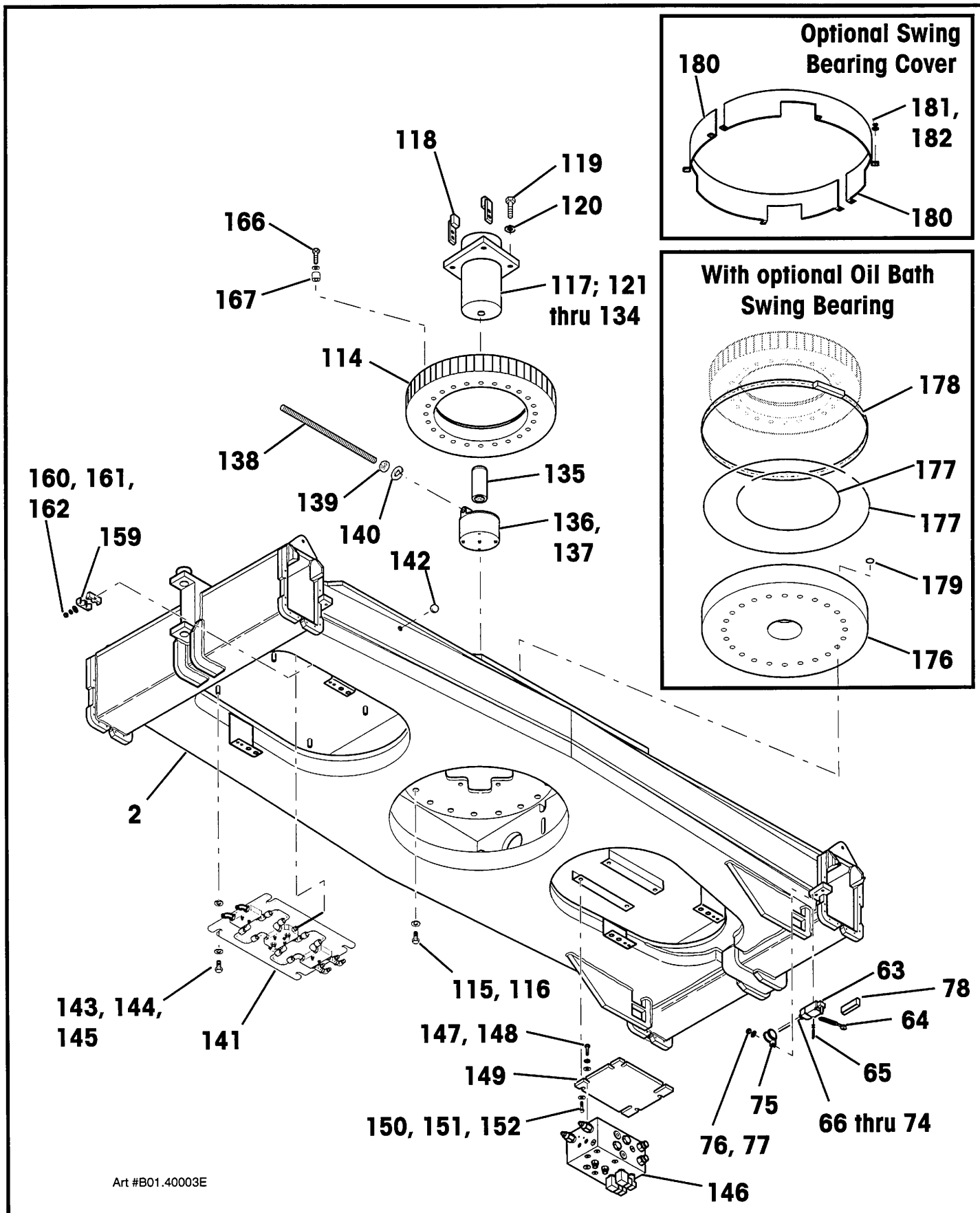
DATED

13 MAY, 1997

PART NO.

354 9780

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UNDERCARRIAGE GROUP, MPH 80, MP 95, MP 110 (2WD)

PART NO.

354 9780

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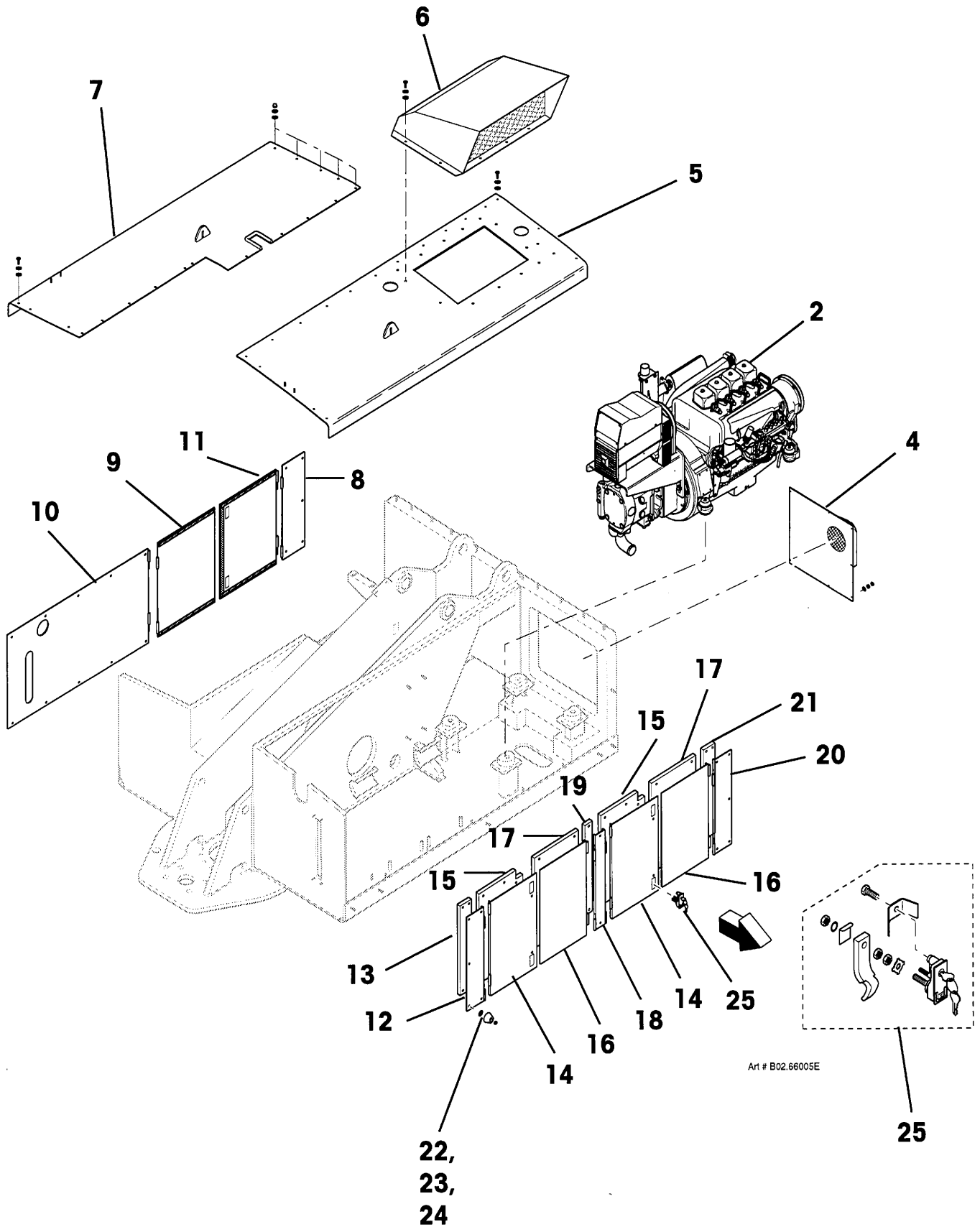
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 9310	C04.44	ENGINE GROUP	1
2	355 3020		ENGINE ASSEMBLY	1
3	355 3090		SHEET METAL GROUP	
4	231 6040		VENT, ENGINE AIR (on front of superstructure) used with Deutz F4L 912 engine and optional Shotblast Package	1
5	234 4680		PANEL, ROOF (Right) used with Deutz F4L 912 engine	1
6	218 3450		VENT, ENGINE AIR ("Pagoda", on roof panel)	1
7	209 1543		PANEL, ROOF (Left)	1
8	230 7190		SIDE PANEL (on left side of superstructure) (narrow panel to left of doors)	1
9	230 7220		DOOR ASSEMBLY (on left side of superstructure) (right hinged, no latch cutouts)	1
10	230 7240		SIDE PANEL (on left side of superstructure) (wide panel to right of doors, with fuel filler cutout)	1
11	236 9420		DOOR ASSEMBLY (on left side of superstructure) (left hinged, with latch cutouts)	1
12	237 1870		SIDE PANEL (on right [engine] side of superstructure) (narrow panel to left of doors)	1
13	237 1880		PAD, INSULATION (on right [engine] side of superstructure) (on side panel 237 1870)	1
14	237 1890		DOOR ASSEMBLY (on right [engine] side of superstructure) (left hinged, with latch cutouts)	2
15	237 1900		PAD, INSULATION (on right [engine] side of superstructure) (on door assembly 237 1890)	2
16	237 1910		DOOR ASSEMBLY (on right [engine] side of superstructure) (right hinged, no latch cutouts)	2
17	237 1920		PAD, INSULATION (on right [engine] side of superstructure) (on door assembly 237 1910)	2
18	237 1930		CENTER PANEL (on right [engine] side of superstructure) (narrow panel between doors)	1
19	237 1940		PAD, INSULATION (on right [engine] side of superstructure) (on center panel 237 1930)	1
20	237 1950		SIDE PANEL (on right [engine] side of superstructure) (narrow panel to right of doors)	1
21	237 1960		PAD, INSULATION (on right [engine] side of superstructure) (on side panel 237 1950)	1
22	07-044014		NUT, ACORN (1/4"-20, grade 5, low crown, stainless steel)	45
23	07-050014		NUT, LOCK, (1/4"-20, Grade 5)	45
24	10-005700		WASHER, FENDER (5/16)	45
25	10-269600		LATCH, COMPRESSION (with key lock)	6
TITLE			SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)	
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REV.	-	DATED	10 NOV. 1997	PART NO.
Terex Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-601-393-1205 Fax 601-393-1701				



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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

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10 NOV. 1997

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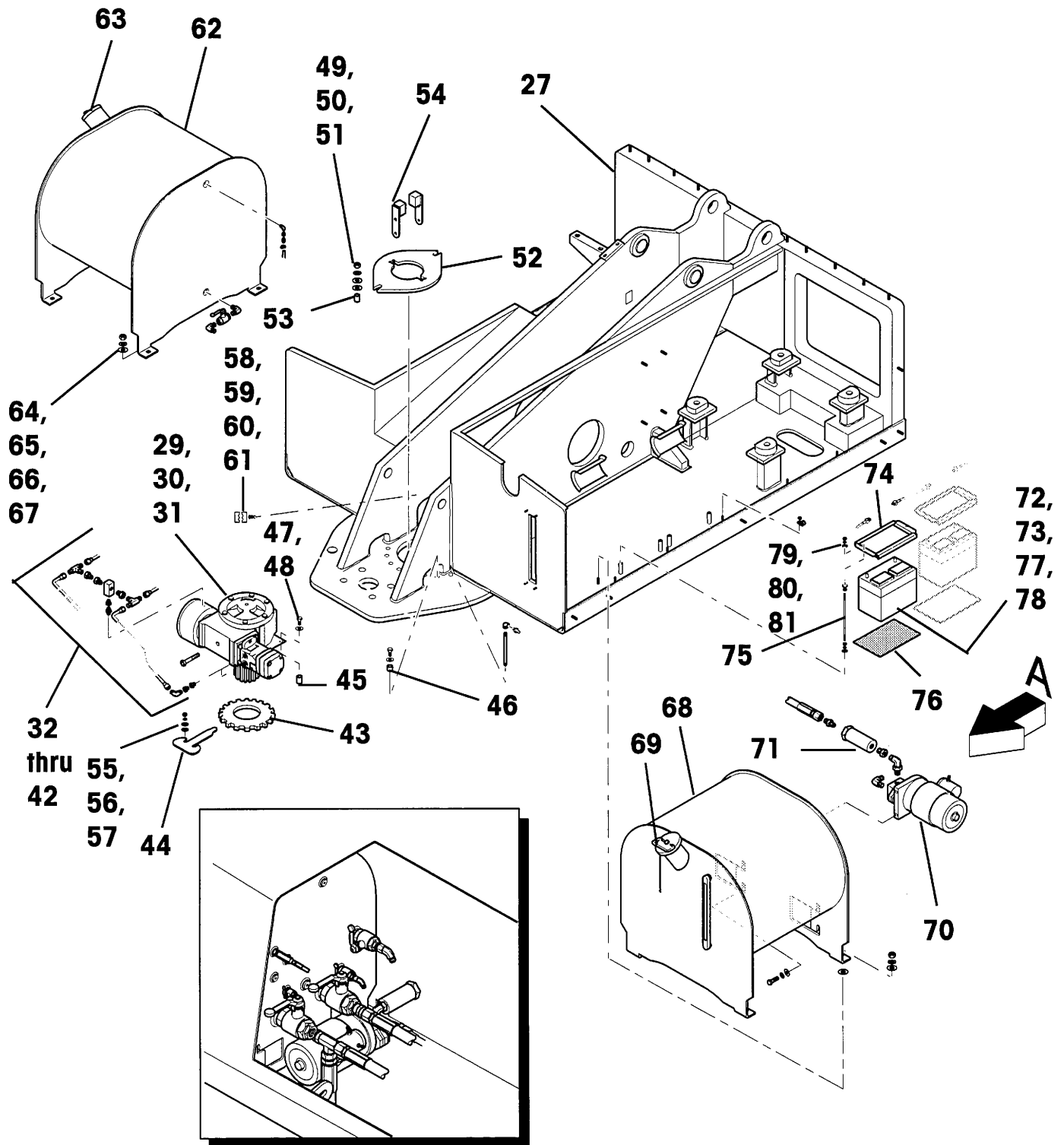
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
26	354 9290		SUPERSTRUCTURE GROUP	1
27	237 3530		SUPERSTRUCTURE WELDMENT	1
28	354 5390		SPEED REDUCER (Swing drive) ASSEMBLY	1
29	01-240000		MOTOR, HYDRAULIC SWING	1
30	02-049300		REDUCER, SWING (Planetary gear type)	1
31	01-013800		VALVE, SHUTTLE	1
32	354 5370		HYDRAULIC TUBE ASSEMBLY (Approx. 13.8" [35 cm] long)	1
33	354 5380		HYDRAULIC TUBE ASSEMBLY (Approx. 17.7" [50 cm] long)	1
34	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S)	2
35	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
36	06-079000		CONNECTOR, SWIVEL NUT (6 F650X-S)	1
37	06-090800		REDUCER/ EXPANDER (10-6 F50 G5-S)	2
38	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1
39	07-003086		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)	2
40	07-065018		WASHER, HELICAL LOCK	2
41	08-066300		CAP, GREASE FITTING (White plastic)	1
42	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
43	233 8820		RING, ECCENTRIC	1
44	214 1070		PLATE, ECCENTRIC LOCK	1
45	209 6362		SPACER, SPEED REDUCER SUPPORT	4
46	209 3349		SPACER, SWING BEARING	11
47	07-008131		CAP SCREW, SOCKET HEAD (5/8"-11 x 2-1/2", Grade 8)	4
48	07-061021		WASHER, FLAT (5/8" SAE, hardened)	4
49	07-040016		NUT, HEX (3/8"-16, Grade 5)	2
50	07-065016		WASHER, HELICAL LOCK (3/8")	2
51	07-062016		WASHER, FLAT (3/8")	4
52	207 5857		RETAINER, HYDRAULIC SWIVEL (includes two halves)	1
53	207 5833		SPACER, SWIVEL LOCK	2
54	210 1030		STOP, HYDRAULIC SWIVEL (bolts to swivel)	2
55	07-058400		NUT, LOCK (1/2"-13, Grade 8)	2
56	07-062018		WASHER, FLAT (1/2")	2
57	10-002600		WASHER, FENDER (1/2" I.D., 2" O.D.)	2
58	205 4670		CLAMP (for 2 #4 hoses)	1
59	07-040015		NUT, HEX (5/16"-18, Grade 5)	1
60	07-065015		WASHER, HELICAL LOCK (5/16")	1
61	07-062015		WASHER, FLAT (5/16")	1

TITLE **SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)**

SECTION **B02.** PLATE NO. **66** PAGE **02** REV. - DATED 10 NOV. 1997 PART NO.

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Art # B02.66001E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

PART
NO.

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10 NOV. 1997

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PARTS LIST

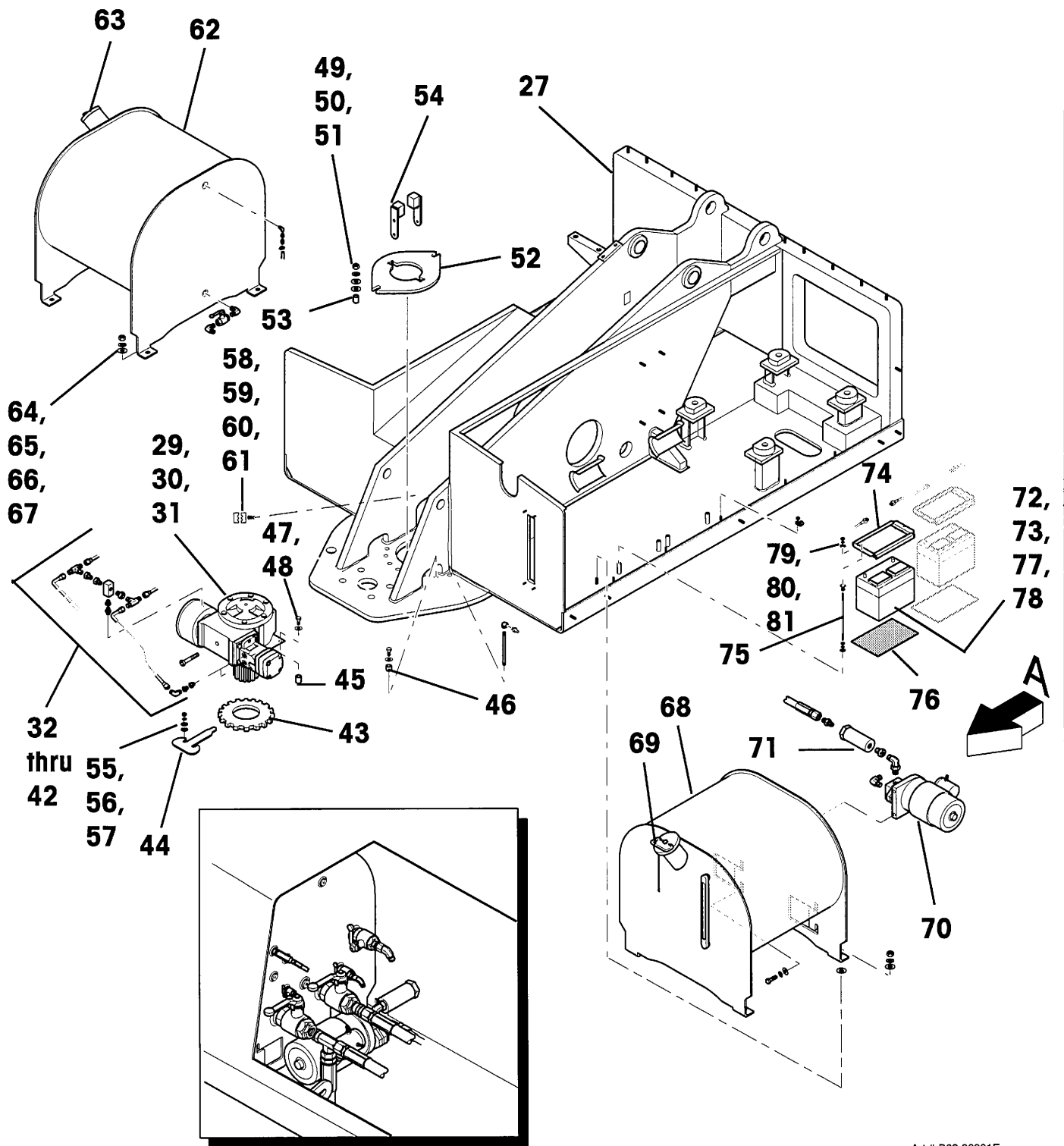
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
62	353 4430	C11.03	SUPERSTRUCTURE GROUP (continued)	1
63	10-001900		TANK ASSEMBLY, FUEL	1
			CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
64	07-040018		NUT, HEX (1/2"-13, Grade 5)	8
65	07-065018		WASHER, HELICAL LOCK (1/2")	8
66	07-062018		WASHER, FLAT (1/2")	8
67	07-061021	C10.02	WASHER, FLAT (5/8", SAE, hardened)	8
68	355 3050		TANK ASSEMBLY, HYDRAULIC	1
69	10-002100		CAP, HYDRAULIC TANK FILLER	1
70	01-224900	D07.101	PUMP, EMERGENCY HYDRAULIC	2
71	01-226000		FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)	1
72	03-010001		BATTERY (12 Volt DC, 95 Amp)	2
73	03-487500		TERMINAL, BATTERY	2
74	03-064300		HOLD DOWN, BATTERY	2
75	201 8274		ROD, THREADED (3/8"-16 x 8" long)	4
76	10-112900		PROTECTOR, BATTERY (Neoprene, 7" x 11" x 1/8")	2
77	03-701600		CABLE, BATTERY (Red, 34" [0.85 m] long)	2
	03-701800		CABLE, BATTERY (Red, 50" [1.2 m] long)	1
78	03-701700		CABLE, BATTERY (Black, 16" [40.6 cm] long)	2
79	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
80	07-065016		WASHER, HELICAL LOCK (3/8")	1
81	07-062016		WASHER, FLAT (3/8")	1

TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

SECTION **B02.** | PLATE NO. **66** | PAGE **03** | REV. **-** | DATED **10 NOV. 1997** | PART NO.

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Art # B02.66001E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

PART
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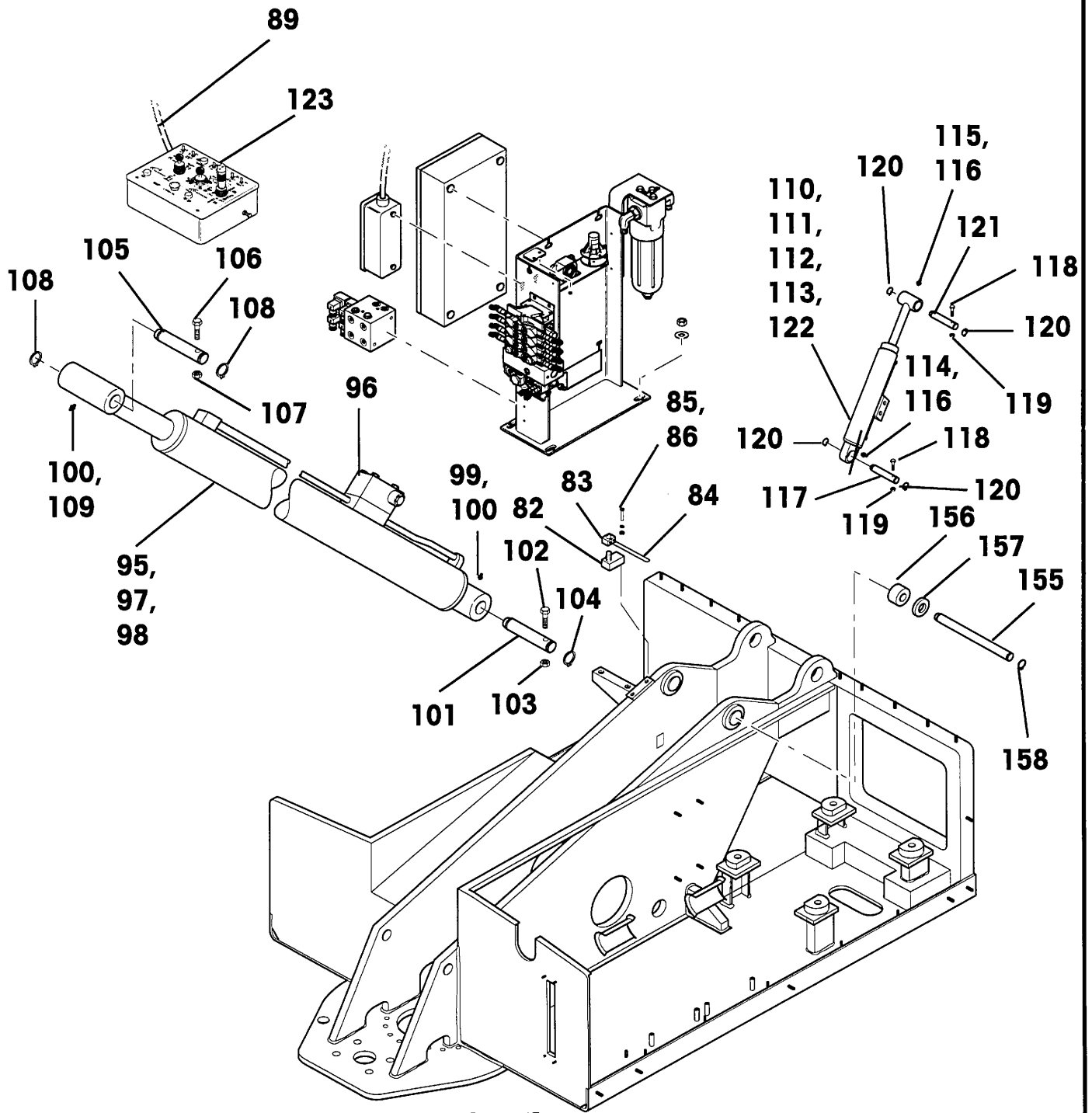
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
82	03-493700		SUPERSTRUCTURE GROUP (continued) SWITCH, LIMIT (Side rotary, one normally open, one normally closed contact)	1
83	03-736100		HUB, LIMIT SWITCH ARM	1
84	201 0906		ARM, LIMIT SWITCH (Stainless steel rod)	1
85	07-121500		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Stainless steel)	2
86	07-062011		WASHER, FLAT (#10)	2
87	03-045500		GRIP, CORD (1/2", with .31" to .38" seal) (not shown)	1
88	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) (not shown)	
89	03-719300		(Bulk item, 16 ft [4.9 m] required this application) CABLE, ELECTRICAL (8 conductor, braided)	A.R.
			(Bulk item, 110 ft [33.5 m] required this application)	A.R.
90	03-731500		PLUG, ELECTRICAL (9 pin) (not shown)	1
91	03-739300		BOOT, ELECTRICAL PLUG (not shown)	1
92	03-473800		PLUG, TERMINAL (4 conductor) (not shown)	1
93	03-474000		SOCKET, TERMINAL (#14 - #16 ga. wire) (not shown)	4
94	03-474100		SEAL, WIRE (0.079" - 0.110" dia.) (not shown)	4
95	04-057800	D09.45	CYLINDER, BOOM LIFT	1
96	01-222000		VALVE, COUNTERBALANCE (Holding valve) (10:1 ratio. Factory set at 4900 psi [338 bar] [344.5 kg/ cm ²])	1
97	06-090900		REDUCER/ EXPANDER (10-8 F50G5-S)	2
98	06-044800		90° ELBOW, "O"-RING TO 37° (8 C50X-S)	2
99	08-050000		FITTING, GREASE (1/8" NPT, straight) (base end)	1
100	08-066300		CAP, GREASE FITTING (White plastic)	2
101	209 1619		PIN, LIFT CYLINDER (base end)	1
102	07-003094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 5)	1
103	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
104	08-041000		RING, RETAINING (1-3/4")	2
105	208 9186		PIN, LIFT CYLINDER (1.75" x 10.44") (rod end)	1
106	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
107	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
108	08-041000		RING, RETAINING (1-3/4")	2
109	08-050500		FITTING, GREASE (1/8", 45°)	1
110	04-056700	D10.16	CYLINDER, MASTER LEVEL	1
111	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	2
112	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
113	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1
114	08-050500		FITTING, GREASE (1/8", 45°) (Base end)	1
115	08-050000		FITTING, GREASE (1/8", straight) (Rod end)	1
116	08-066300		CAP, GREASE FITTING (White plastic)	2
117	206 8879		PIN, MASTER CYLINDER (1.25" x 7.38") (base end)	1
118	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
119	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1

TITLE SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

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Art # B02.66002E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

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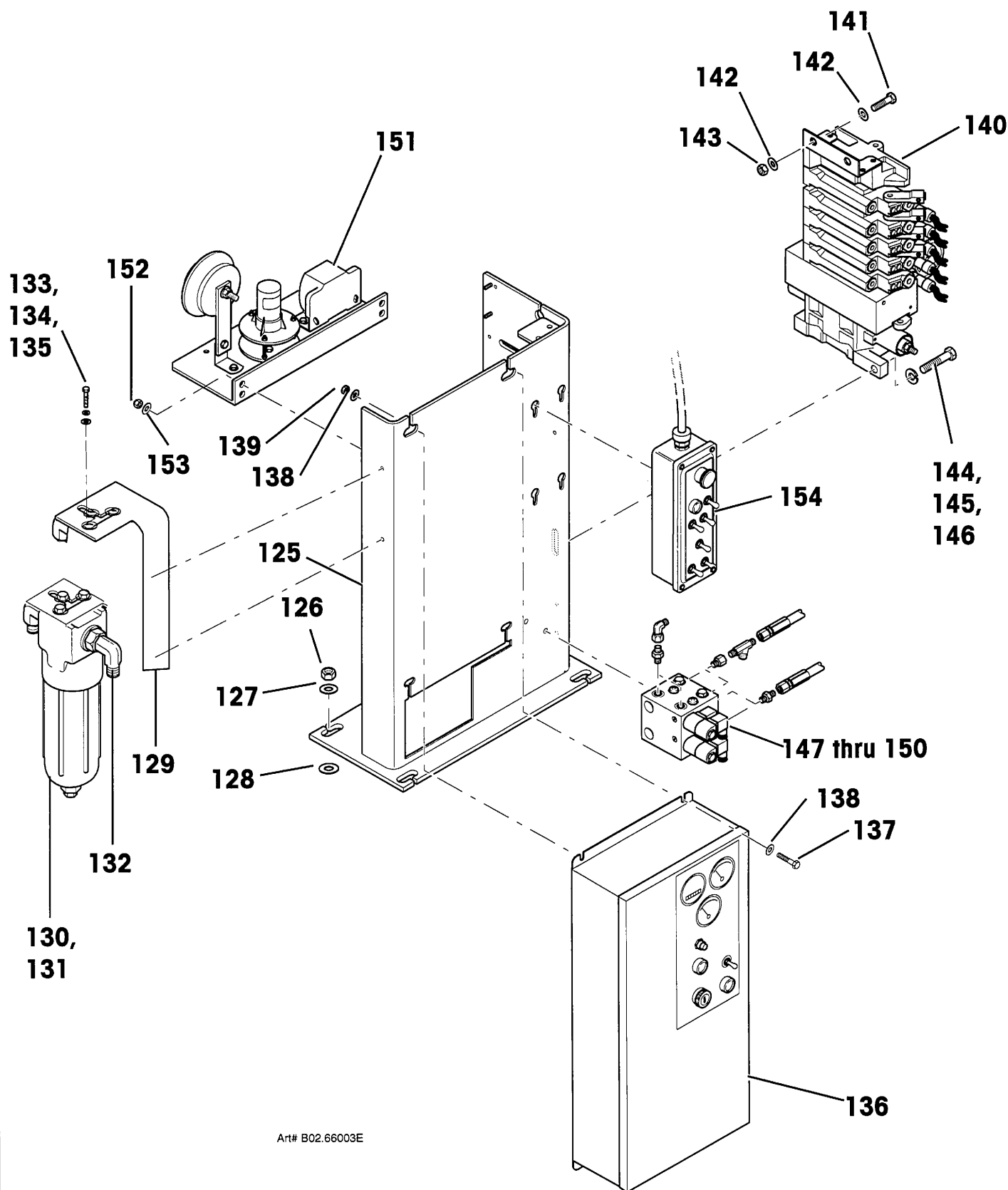
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
120	08-040700		SUPERSTRUCTURE GROUP (continued)	
121	206 8864		RING, RETAINING (1-1/4")	2
122	04-028202		PIN, MASTER CYLINDER (1.25" x 6.13") (rod end)	1
123	354 9160	C08.27	VALVE, RELIEF	2
124	355 1260		PLATFORM CONTROL BOX ASSEMBLY (special, for remote actuation of boom tip rotary actuator functions)	1
125	235 3130		GROUND CONTROL ASSEMBLY	1
126	07-050016		STAND, GROUND CONTROL	1
127	07-062016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
128	07-062018		WASHER, FLAT (3/8")	4
129	235 4390		WASHER, FLAT (1/2")	1
130	01-237500		BRACKET, FILTER MOUNTING	
131	01-237501		FILTER, HYDRAULIC (High pressure, in line, 6000 psi [414 bar] non-bypass)	1
132	06-045800		ELEMENT, FILTER	1
133	07-003045		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	2
134	07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	3
135	07-062016		WASHER, HELICAL LOCK (3/8")	3
136	354 2500	C03.204	WASHER, FLAT (3/8")	3
137	07-003026		PANEL ASSEMBLY, GROUND ELECTRICAL	1
138	07-062015		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)	4
139	07-050015		WASHER, FLAT (5/16")	8
140	355 1280	C02.50	NUT, LOCK (5/16"-18, Grade 8)	4
141	07-003046		MANIFOLD ASSEMBLY	1
142	07-062016		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
143	07-050016		WASHER, FLAT (3/8")	6
144	07-003089		NUT, HEX LOCK (3/8"-16, Grade 5)	2
145	07-062018		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 5)	1
146	07-058400		WASHER, FLAT (1/2")	1
147	355 1320	C12.07	NUT, LOCK (1/2"-13, Grade 8)	1
148	07-003061		VALVE ASSEMBLY, PLATFORM TILT/ ROTATE	1
149	07-062016		CAP SCREW, HEX HEAD (3/8"-16 x 4-3/4", Grade 5)	2
150	07-050016		WASHER, FLAT (3/8")	4
151	355 1290	E08.03	NUT, HEX LOCK (3/8"-16, Grade 5)	2
152	07-062014		ALARM PACKAGE ASSEMBLY	1
153	07-050014		WASHER, FLAT (1/4")	8
154	354 2830	C06.202	NUT, LOCK (1/4"-20, Grade 8)	4
			PENDANT, REMOTE CONTROL	1

TITLE SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

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Terex Aerials Inc.
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Art# B02.66003E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

PART
NO.

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DATED
10 NOV. 1997

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PLATE NO.

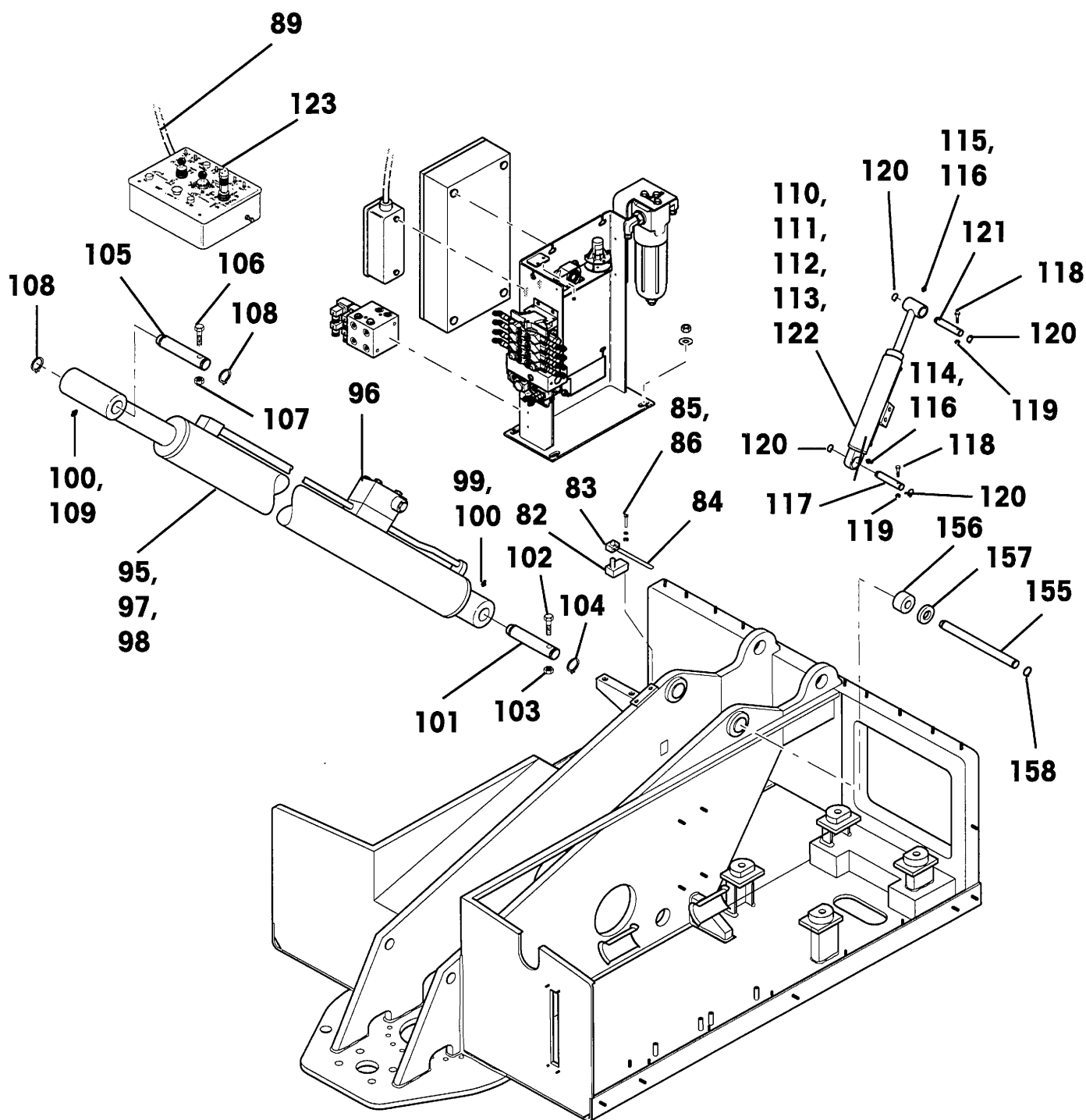
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Art # B02.66002E

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TITLE

SUPERSTRUCTURE ASSEMBLY, MPH 80 (SPECIAL)

PART
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 9280		BOOM GROUP For S/N BAA 00103 and 104 (Special version without platform, and with "Simcon" controls)	1
2	355 3000		BOOM ASSEMBLY For S/N BAA 00103 and 104 (Special version without platform, and with "Simcon" controls)	1
3	210 2280		BOOM WELDMENT, BASE	1
4	234 7890		PLATE, MOVING ANCHOR SUPPORT	1
5	208 8626		PAD, WEAR (Base boom bottom rear)	
			(9" [229 mm] x 10" [254 mm])	1
6	208 8600		PAD, WEAR (Base boom top rear) (4" x 8" [102 x 203mm])	1
7	208 8530		PLATE, WEAR PAD MOUNTING	1
8	208 8619		PAD, WEAR (Base boom side) (4" x 10" [102 x 254 mm])	4
9	208 0383		SHIM, SIDE WEAR PAD	A.R.
10	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	14
11	07-003123		CAP SCREW, HEX HEAD (5/8"-11 x 3/4", Grade 5)	8
12	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
13	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	2
14	07-065021		WASHER, HELICAL LOCK (5/8")	14
15	208 9126		ANCHOR, RETRACT ROPE	1
16	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	6
17	07-065021		WASHER, HELICAL LOCK (5/8")	6
18	208 6273		WIRE ROPE ASSEMBLY (Boom retract) (3/8" [9.5 mm] x 343" [8.7 m] long)	2
19	07-040022		NUT, HEX (3/4"-10, Grade 5)	2
20	08-016600		COLLAR, CLAMPING (3/4") (RING, LOCK)	2
21	03-735600		SWITCH, LIMIT (Side rotary, positive break)	1
22	03-736500		ARM, LIMIT SWITCH (3", fixed roller)	1
23	03-041000		GRIP, CORD (Plastic, 1/2", with .38" to .44" seal)	1
24	07-008355		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/2", Grade 8)	2
25	10-060600		CLAMP, WIRE (#6)	3
26	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	3
27	07-062014		WASHER, FLAT (1/4")	3
28			CLAMP, HOSE	4
	218 5280		13 holes, 4.6" x 2.9" (with "Simcon" controls)	
29	218 1180		BAR, HOSE CLAMP COMPRESSION (holes not countersunk)	3

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BOOM GROUP, MPH 80 (SPECIAL)

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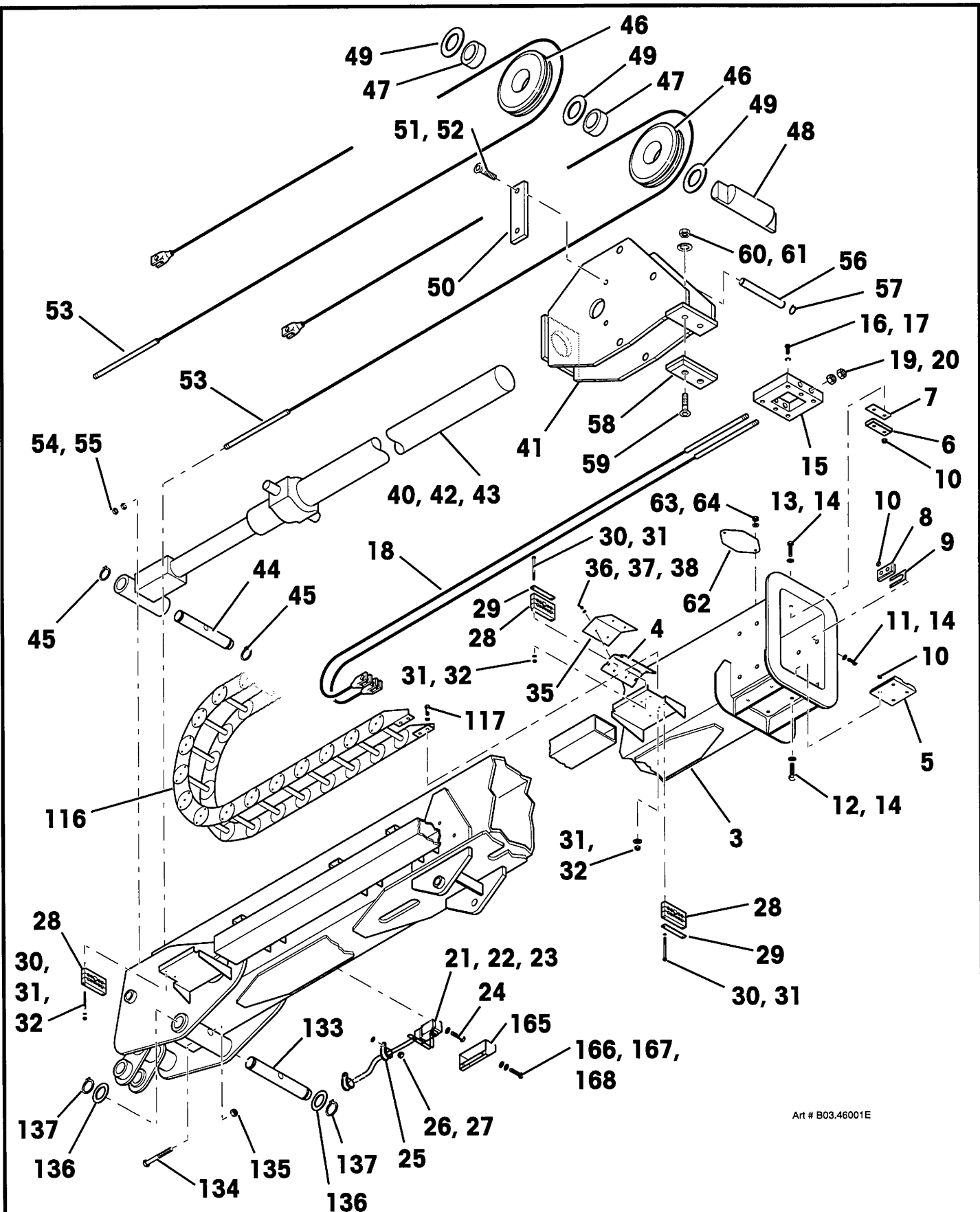
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DATED

13 MAY, 1997

PART NO.

Simon Aerials Inc.
10600 West Brown Deer Road
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Art # B03.46001E

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BOOM GROUP, MPH 80 (SPECIAL)

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
30			BOOM GROUP (continued) BOOM ASSEMBLY (continued) CAP SCREW, HEX HEAD	6
31	07-003055		3/8"-16 x 3-1/2", Grade 5 (for 2.9" high clamps)	12
32	07-062016		WASHER, FLAT (3/8")	6
33	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
34	07-062015		WASHER, FLAT (5/16")	2
35	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
36	230 1010		PAD, WEAR (Moving anchor) (8.5" x 11" x .12")	1
37	07-017045		CAP SCREW, BUTTON HEAD (3/8"-16 x 1", Grade 5)	4
38	07-062016		WASHER, FLAT (3/8")	8
39	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4
40	234 4100	D19.27	CYLINDER ASSEMBLY, TELESCOPE	1
41	See index		CYLINDER, TELESCOPE	1
42	208 9072		BRACKET, EXTEND ROPE SHEAVE	1
43	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
44	06-040100		ADAPTER, "O"-RING TO 37° (6 F50X)	2
45	208 9238		PIN, TELESCOPE CYLINDER (Rod end) (2.0" x 14.56")	1
46	08-041100		RING, RETAINING (2")	2
47	08-016300		SHEAVE, EXTEND ROPE (12" [305 mm] O.D.) (Brass sleeve must be removed and replaced with Item 47, below)	2
48	208 9027		BEARING, WIRE ROPE SHEAVE (Black Nylon)	2
49	208 9014		SHAFT, EXTEND ROPE SHEAVE	1
50	213 0600		BEARING, THRUST	3
51	208 8949		PLATE, ROPE SHEAVE RETAINER	2
52	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	4
53	07-065016		WASHER, HELICAL LOCK (3/8")	4
54	208 6288		WIRE ROPE ASSEMBLY (Boom extend) (includes pins) (5/8" [15.9 mm] x 585" [14.8 m] long)	2
55	07-040025		NUT, HEX (1-1/4"-7, Grade 5)	2
56	08-016700		COLLAR, CLAMPING (1-1/4") (Lock ring)	2
57	208 9032		PIN, WIRE ROPE RETAINING	3
58	08-041200		RING, RETAINING ("C"-Clip, 5/8")	6
59	208 8921		PAD, TELESCOPE CYLINDER WEAR (3" [76 mm] x 7" [178 mm])	1
60	07-015129		MACHINE SCREW, FLAT HEAD (5/8"-11 x 2", Grade 5)	2
61	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	2
62	07-065021		WASHER, HELICAL LOCK (5/8")	2
63	209 3376		COVER, ACCESS	1
64	07-003123		CAP SCREW, HEX HEAD (5/8"-11 x 3/4", Grade 5)	2
65	07-050021		NUT, LOCK (5/8"-11, Grade 5)	2

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BOOM GROUP, MPH 80 (SPECIAL)

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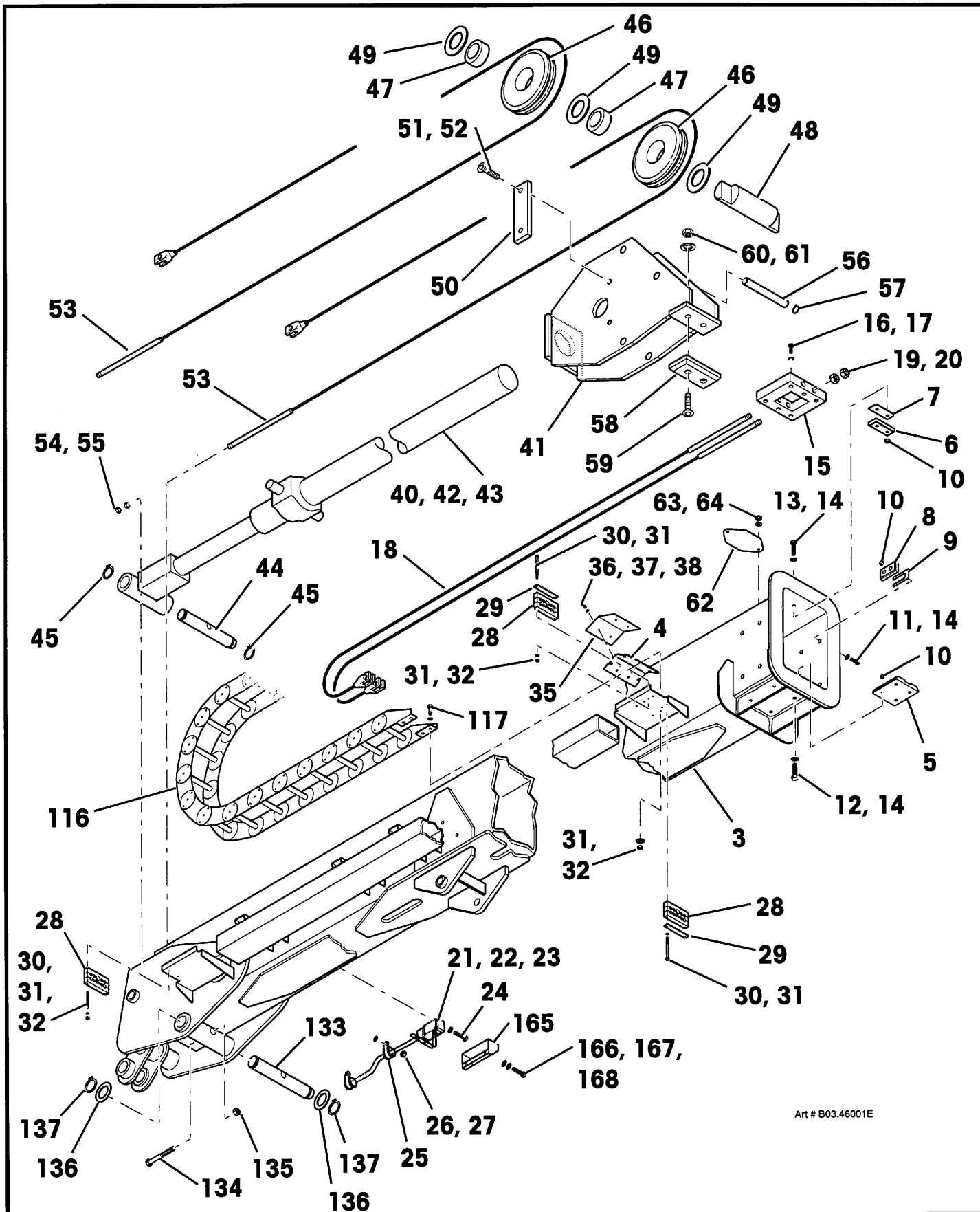
13 MAY, 1997

PART

NO.

Simon Aerials Inc.

10600 West Brown Deer Road
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Art # B03.46001E

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BOOM GROUP, MPH 80 (SPECIAL)

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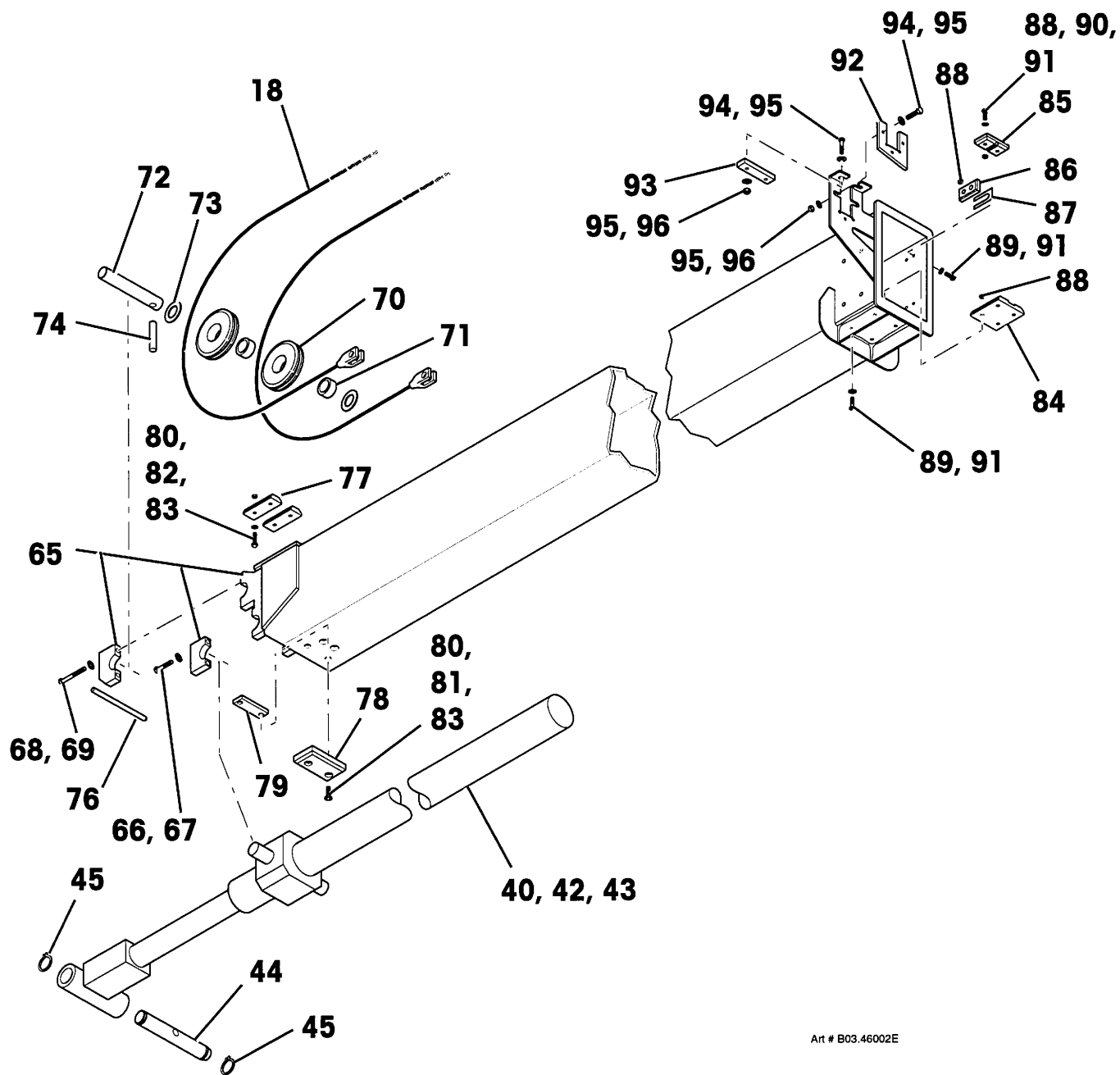
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
65	209 6119		BOOM GROUP (continued) BOOM ASSEMBLY (continued) BOOM WELDMENT, MID (includes rope sheave and cylinder mounting pin caps)	
66	07-004137		CAP SCREW, HEX HEAD (5/8"-11 x 4", Grade 8)	1
67	07-061021		WASHER, FLAT (5/8", SAE)	4
68	07-004137		CAP SCREW, HEX HEAD (5/8"-11 x 4", Grade 8)	4
69	07-061021		WASHER, FLAT (5/8", SAE)	4
70	208 8994		SHEAVE, RETRACT ROPE (7.38" [187 mm] O.D.) (Brass sleeve must be removed and replaced with Item 71, below)	2
71	208 9027		BEARING, WIRE ROPE SHEAVE (Black Nylon)	2
72	208 9003		SHAFT, RETRACT ROPE SHEAVE	1
73	213 0600		BEARING, THRUST	4
74	07-090020		PIN, ROLL (1/2" x 3")	1
75	08-055300		COLLAR, CLAMPING (2.5")	2
76	208 9223		RETAINER, WIRE ROPE	3
77	208 8592		PAD, WEAR (Mid boom top front) (4" [102 mm] x 10" [254 mm])	2
78	208 8570		PAD, WEAR (Mid boom bottom front) (4" [102 mm] x 8" [203 mm])	1
79	209 2364		BLOCK, MOUNTING	1
80	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	4
81	07-015127		CAP SCREW, FLAT HEAD (5/8"-11 x 1-1/2", Grade 5)	2
82	07-003031		CAP SCREW, HEX HEAD (5/8"-11 x 2-1/2", Grade 5)	4
83	07-065021		WASHER, HELICAL LOCK (5/8")	4
84	208 8655		PAD, WEAR (Mid boom bottom rear) (7" [178 mm] x 8" [203 mm])	1
85	208 8644		PAD, WEAR (Mid boom top rear) (4" [102 mm] x 7" [178 mm])	1
86	208 8631		PAD, WEAR (Mid boom side) (3" [76 mm] x 8" [203 mm])	4
87	208 0383		SHIM, SIDE WEAR PAD	A.R.
88	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	14
89	07-003123		CAP SCREW, HEX HEAD (5/8"-11 x 3/4", Grade 5)	12
90	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	2
91	07-065021		WASHER, HELICAL LOCK (5/8")	14
92	210 2190		PAD, WEAR (Moving anchor support, bottom and side)	1
93	208 0752		PAD, WEAR (Moving anchor, top) (2" [51 mm] x 7" [178 mm])	1
94	07-003091		CAP SCREW, HEX HEAD (1/2"-13 x 2-1/2", Grade 5)	5
95	07-062018		WASHER, FLAT (1/2")	10
96	07-058400		NUT, LOCK (1/2"-13, Grade 8)	5

TITLE

BOOM GROUP, MPH 80 (SPECIAL)

SECTION **B03.** | PLATE NO. **46** | PAGE **03** | REV. **-** | DATED **13 MAY, 1997** | PART NO.

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Art # B03.46002E

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TITLE

BOOM GROUP, MPH 80 (SPECIAL)

PART
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DATED
13 MAY, 1997

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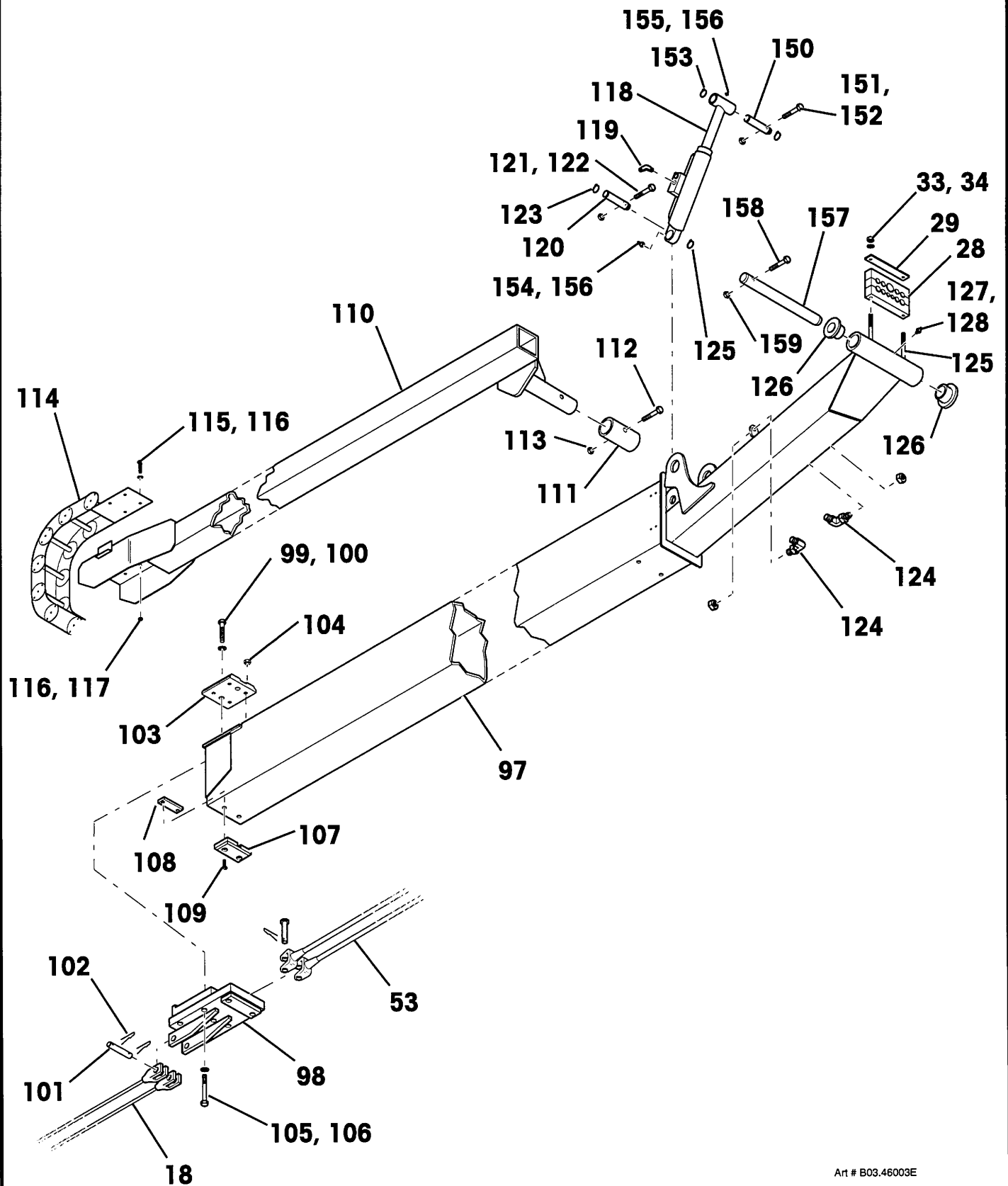
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			BOOM GROUP (continued)	
			BOOM ASSEMBLY (continued)	
97	209 6085		BOOM WELDMENT, TIP	1
98	208 9069		ANCHOR, WIRE ROPE	1
99	07-004129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 8)	2
100	07-065021		WASHER, HELICAL LOCK (5/8")	2
101	208 9131		PIN, RETRACT ROPE ANCHOR	1
102	07-070506		PIN, COTTER (0.125" x 1.25")	2
103	208 8567		PAD, WEAR (Tip boom top front)	
			(8" [203 mm] x 9.5" [241 mm])	1
104	07-047021		NUT, HEX JAM (5/8"-11, Grade 5)	4
105	07-003133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 5)	4
106	07-065021		WASHER, HELICAL LOCK (5/8")	4
107	208 8585		PAD, WEAR (Tip boom bottom front)	1
108	208 8525		PLATE, WEAR PAD MOUNTING	1
109	07-017085		CAP SCREW, FLAT HEAD (1/2"-13, Grade 5)	2
110	237 1820		ANCHOR WELDMENT, MOVING	1
111	208 9278		RETAINER, MOVING ANCHOR (7.75" [197 mm] long pipe)	1
112	07-003057		CAP SCREW, HEX HEAD (1/2"-13 x 4", Grade 5)	1
113	07-050018		NUT, HEX LOCK (1/2"-13, Grade 5)	1
114	08-083500		CARRIER, HOSE (Hose track. Must be modified.)	1
115	07-017043		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	8
116	07-062016		WASHER, FLAT (3/8")	16
117	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	8
118	See Plate ...	D20. - -	CYLINDER, SLAVE LEVEL	1
119	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C50X)	2
120	206 8884		PIN, SLAVE CYLINDER (1.25" x 4.88") (base end)	1
121	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
122	07-050018		NUT, TOP LOCK (1/2"-13, Grade 5)	1
123	08-040700		RING, RETAINING (1.25")	2
124	06-033300		90° ELBOW, BULKHEAD UNION (4 WETX-WLN-S)	2
125	236 6330		ROD, THREADED (5/16"-18 x 3-3/4")	2
126	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 2" flange)	2
127	08-050000		FITTING, GREASE (1/8" NPT, straight)	1
128	08-066300		CAP, GREASE FITTING (White plastic)	1
TITLE			BOOM GROUP, MPH 80 (SPECIAL)	
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			PART NO.	
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



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TITLE

BOOM GROUP, MPH 80 (SPECIAL)

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ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
129			BOOM GROUP (continued) BOOM ASSEMBLY (continued) HOSE, BOOM	
			(Note: Part number shown is for hose only , pre-cut to specific length shown. Must be trimmed to proper length after routing through boom hose track and carrier tubes, prior to installation of correct end fittings as indicated on charts on opposite page):	
			for "Simcon" units, (pre-cut to 105 ft [32.0 m]):	
	05-087300		#4 hose (see chart on opposite page for correct fittings) For special version without platform	6
	213 1510		14 inches (0.35 m) long, with (2) 4-4 FJX fittings	2
	351 4310		106 inches (2.692 m) long, with (2) 4-4 FJX fittings	1
	351 4320		111 inches (2.819 m) long, with (2) 4-4 FJX fittings	1
	351 4330		131 inches (3.327 m) long, with (2) 6-6 FJX fittings	2
			These items are not shown:	
130	06-062300		PLUG (4 PNTX-S)	2
131	10-113200		PROTECTOR, HOSE (rubber, 6" x 9" x 1/8")	3
132	03-064700		TIE, CABLE (14.5" [368 mm] long)	20
TITLE			BOOM GROUP, MPH 80 (SPECIAL)	
SECTION	B03.	PLATE NO.	46	PAGE 05
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			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	

129 HOSE, BOOM, for "Simcon" units:

05-087300 #4 hose, pre-cut to 105 ft [32.0 m] length (6 for special version)

For hoses marked:	Ferrule (for each end):	Fitting:	
		Lower end:	Upper end:
B and C	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144300 (4-4 FJX-S)
P and R	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144500 (4-6 FJX-S)
For Special Version	06-213100 (4M3 KPC-S)	06-144500 (4-6 FJX-S)	06-144300 (4-4 FJX-S)

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BOOM GROUP, MPH 80 (SPECIAL)

PART NO.

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DATED 13 MAY, 1997

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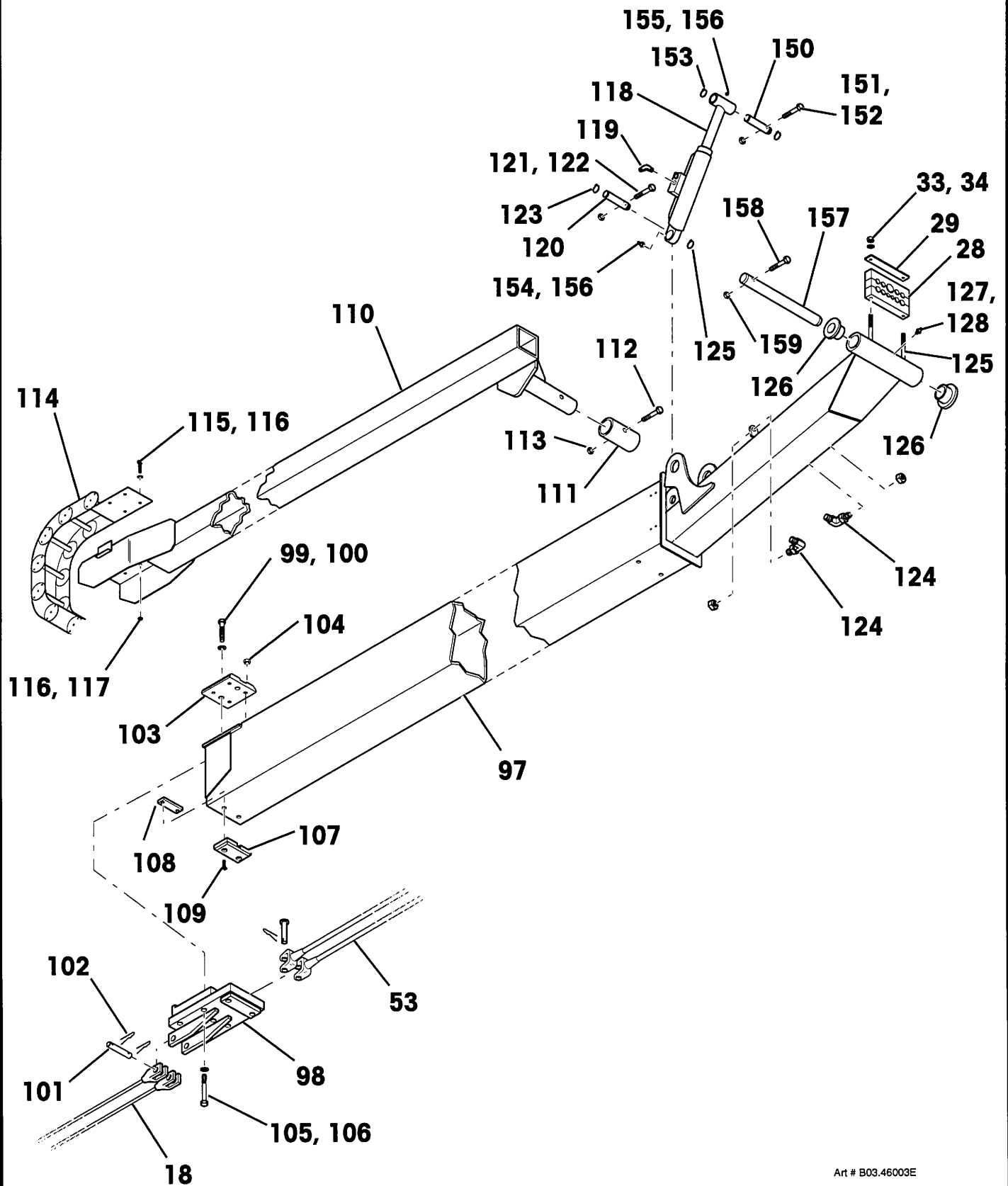
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not part of the Boom Assembly . They are included in the Boom Group :	
133	209 1626		PIN, BOOM PIVOT (2.75" x 24.19")	1
134	07-004140		CAP SCREW, HEX HEAD (5/8"-11 x 5-1/2", Grade 8)	1
135	07-050021		NUT, LOCK (5/8"-11, Grade 5)	1
136	213 1880		WASHER, THRUST (Bronze)	2
137	08-043300		RING, RETAINING (2.75")	2
138	08-050000		FITTING, GREASE (1/8" NPT, straight)	2
139	08-066300		CAP, GREASE FITTING (White plastic)	2
140	206 8864		PIN, MASTER CYLINDER (1.25" x 6.13") (rod end)	1
141	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
142	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
143	08-040700		RING, RETAINING (1.25")	2
144	208 9186		PIN, LIFT CYLINDER (2.5" x 15.69") (rod end)	1
145	07-004102		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)	1
146	07-058400		NUT, LOCK (1/2"-13, Grade 8)	1
147	08-043000		RING, RETAINING (2.5")	2
148	08-050000		FITTING, GREASE (1/8" NPT, straight)	1
149	08-066300		CAP, GREASE FITTING (White plastic)	1
			The following items are not part of either the Boom Assembly or the Boom Group :	
150	206 8879		PIN, SLAVE CYLINDER (1-1/4" x 7-3/8") (rod end)	1
151	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
152	07-058400		NUT, LOCK (1/2"-13, Grade 5)	1
153	08-040700		RING, RETAINING (1-1/4")	2
154	08-051300		FITTING, GREASE (1/8", 90°)	1
155	08-050500		FITTING, GREASE (1/8", 45°)	1
156	08-066300		CAP, GREASE FITTING (White plastic)	2
157	210 2940		PIN, PLATFORM PIVOT (1-1/4" x 20")	1
158	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
159	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	2
			The following optional items are available:	
160	200 9322		COVER, LIMIT SWITCH	1
161	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8")	2
162	07-065015		WASHER, HELICAL LOCK (5/16")	2
163	07-062014		WASHER, FLAT (1/4")	2
TITLE			BOOM GROUP, MPH 80 (SPECIAL)	
SECTION	B03.	PLATE NO.	46	PAGE 06
REV.	-	DATED	13 MAY, 1997	PART NO.
Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172				



Art # B03.46003E

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TITLE

BOOM GROUP, MPH 80 (SPECIAL)

PART
NO.

REV.
-

DATED
13 MAY, 1997

SECTION

B03.

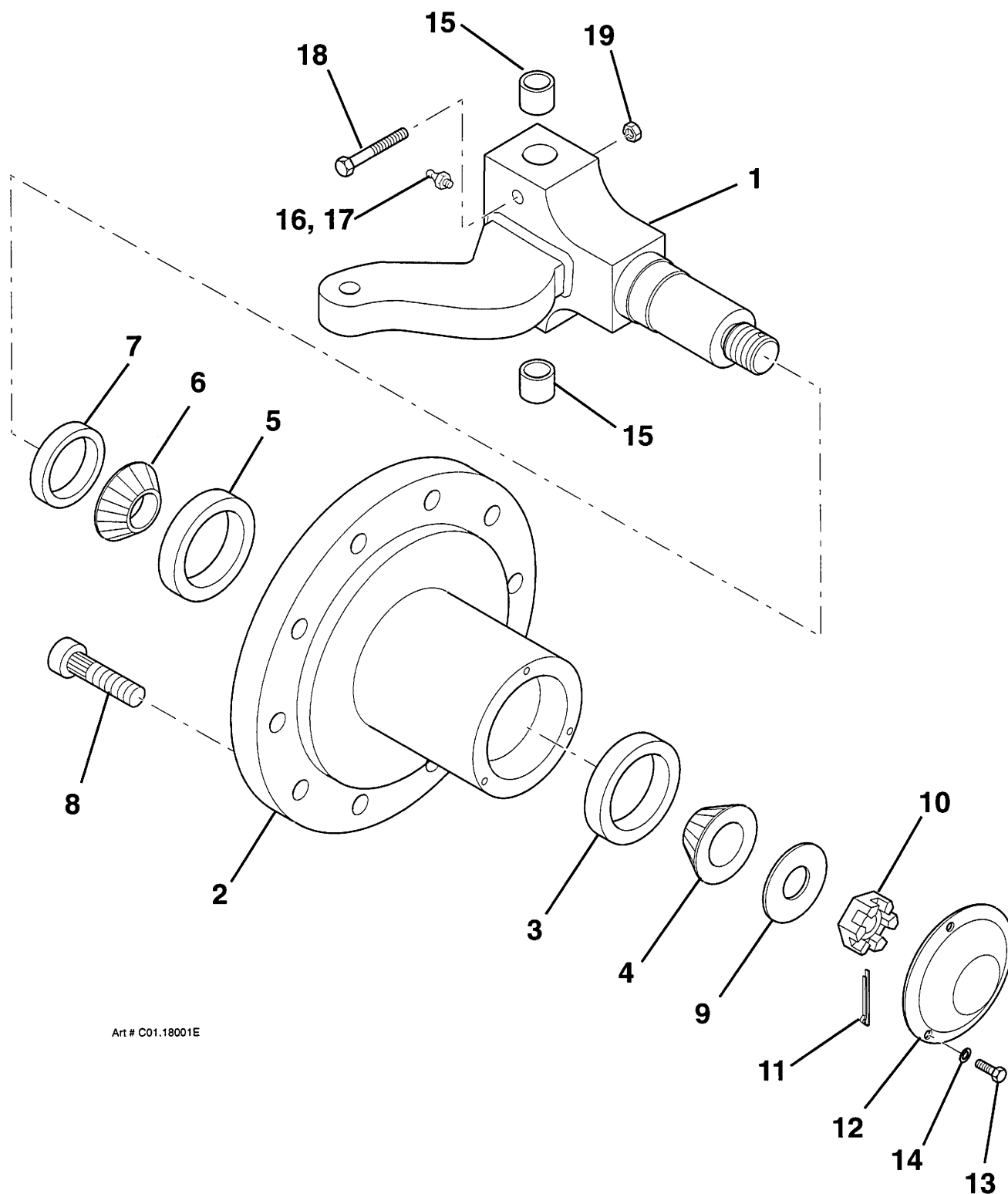
PLATE NO.

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	219 8080		SPINDLE	1
2	219 7900		HUB, SPINDLE	1
3	08-003400		CUP, BEARING (Outer) (4.437" O.D.)	1
4	08-003500		CONE AND ROLLER, BEARING (Outer) (2.750" I.D.)	1
5	08-070500		CUP, BEARING (Inner) (5.000" O.D.)	1
6	08-070600		CONE AND ROLLER, BEARING (Inner) (3.000" I.D.)	1
7	01-217500		SEAL, SHAFT OIL (3-3/4" I.D., 5" O.D.)	1
8	07-030651		STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)	10
9	07-062027		WASHER, FLAT (1-3/4")	1
10	07-045227		NUT, HEX (Slotted) (1-3/4"-12, Grade 5)	1
11	07-070511		PIN, COTTER (1/8" x 2-1/2" long)	1
12	202 1131		PLATE, SPINDLE END COVER	1
13	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	3
14	07-065014		WASHER, HELICAL LOCK (1/4")	3
15	08-014000		BEARING, SLEEVE (1-1/2" I.D., 1-3/4" O.D., 1-1/2" long)	2
16	08-051300		FITTING, GREASE (1/8", 90°)	1
17	08-066300		CAP, GREASE FITTING (White plastic)	1
			The following items are not included with Spindle Assembly 354 0700:	
18	07-003099		BOLT, HEX HEAD (1/2"-13 x 4-3/4", Grade 5)	1
19	07-050018		NUT, HEX LOCK (1/2"-13, Grade 5)	1
TITLE SPINDLE ASSEMBLY, RIGHT AND LEFT HAND				
PLATE NO.	C01.18	SIMON AERIALS INC.		PART NO. 354 0700
				REV. 22 NOV., 1994



TITLE

SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

SIMON AERIALS INC.

REV. 22 NOV., 1994

PART NO. 354 0700

PLATE NO. C01.18

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 1280		GROUND VALVE BANK ASSEMBLY	1
2			For Model MPH 80 (special application)	
			GROUND VALVE BANK	1
	01-246700		For Model MPH 80 (special application)	
3			MANIFOLD, ADAPTER	1
4			VALVE SEGMENT, DRIVE CONTROL	1
5			INLET, LOAD SENSING	1
6			SEAL KIT, INLET (includes all items with asterisk*)	1
7			PILOT REDUCING KIT	1
8			SPOOL, PILOT REDUCING	1
9			BALL	1
10			GUIDE, SPRING	1
11			SPRING	1
12			SHIM	1
13			PLUG, SOCKET	2
14		*	"O"-RING	2
15			INLET FILTER KIT	1
16			FILTER	1
17		*	"O"-RING	1
18			TUBE, FILTER EXTENSION	1
19			PLUG, SOCKET	1
20		*	"O"-RING	1
21			PLUG, SAE PORT	2
22			PLUG	1
23		*	"O"-RING	1
24			ROD, TIE	4
25			NUT, HEX	4
26			NUT, HEX JAM	4
27			VALVE SEGMENT, STEER CONTROL	1
28			VALVE SEGMENT (Customer-defined function)	1
29			VALVE SEGMENT, BOOM TELESCOPE	1
30			VALVE SEGMENT, MAIN BOOM RAISE/ LOWER	1
31			VALVE SEGMENT, SWING CONTROL	1
32			PLATE, STACKING	1
33			ROD, TIE	3
34			NUT, HEX	3
35			NUT, HEX JAM	3
36			BRACKET, VALVE BANK MOUNTING	1

TITLE

GROUND VALVE BANK ASSEMBLY, MPH 80 (SPECIAL)

SECTION

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PLATE NO.

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01

REV.

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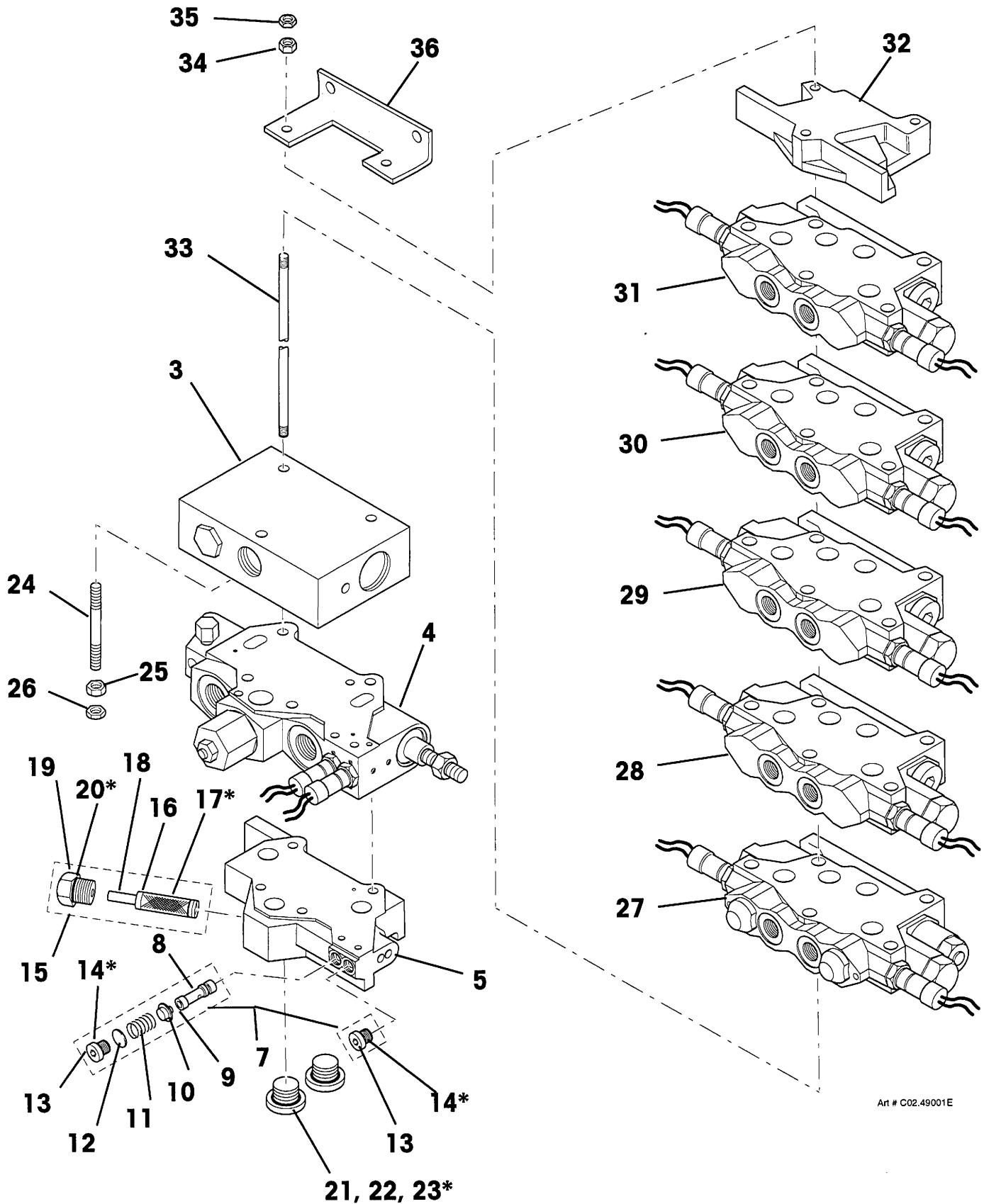
DATED

11 NOV. 1997

PART NO.

355 1280

Terex Aerials Inc.
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Art # C02.49001E

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TITLE

GROUND VALVE BANK ASSEMBLY, MPH 80 (SPECIAL)

PART NO. 355 1280

REV. - DATED 11 NOV. 1997

SECTION C02. PLATE NO. 50 PAGE 01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are included with the Ground Valve Bank Assembly . They are not included with the Ground Valve Bank :	
			Swing Control Valve Segment (Top section):	
37	06-090600		Left port: REDUCER/ EXPANDER (8-6 F50 G5-S)	1
38	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
39	06-090600		Right port: REDUCER/ EXPANDER (8-6 F50 G5-S)	1
40	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
			Main Boom Raise/ Lower Control Valve Segment:	
			Left port:	
41	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
42	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
			Right port:	
43	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
44	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
			Boom Telescope Control Valve Segment:	
			Left port:	
45	06-044800		90° ELBOW, "O"-RING TO 37° (8 C50X-S)	1
46	01-068200		VALVE, CHECK, P O	1
47	06-207800		ADAPTER, SWIVEL NUT (8 F650X-S)	1
48	06-040100		CONNECTOR (16 F50X-S)	1
49	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
			Right port:	
50	06-048600		RUN TEE, MALE "O"-RING TO 37° (8 R50X-S)	1
51	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	1
52	06-060300		REDUCER, TUBE END (8-6 TRTX-S)	1
53	06-057600		NUT, TUBE (8 BTX-S)	1
54	353 4140		TUBE	1
55	06-207800		ADAPTER, SWIVEL NUT (8 F650X-S)	1
56	01-019000		VALVE, FLOW CONTROL (Needle valve, #8 SAE ports)	1
57	06-044800		90° ELBOW, "O"-RING TO 37° (8 C50X-S)	1
			Customer-Defined Function Control Valve Segment:	
			Left port:	
58	06-047100		45° ELBOW, "O"-RING TO 37° (8 V50X-S)	1
			Right port:	
59	06-047100		45° ELBOW, "O"-RING TO 37° (8 V50X-S)	1

TITLE

GROUND VALVE BANK ASSEMBLY, MPH 80 (SPECIAL)

SECTION

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PLATE NO.

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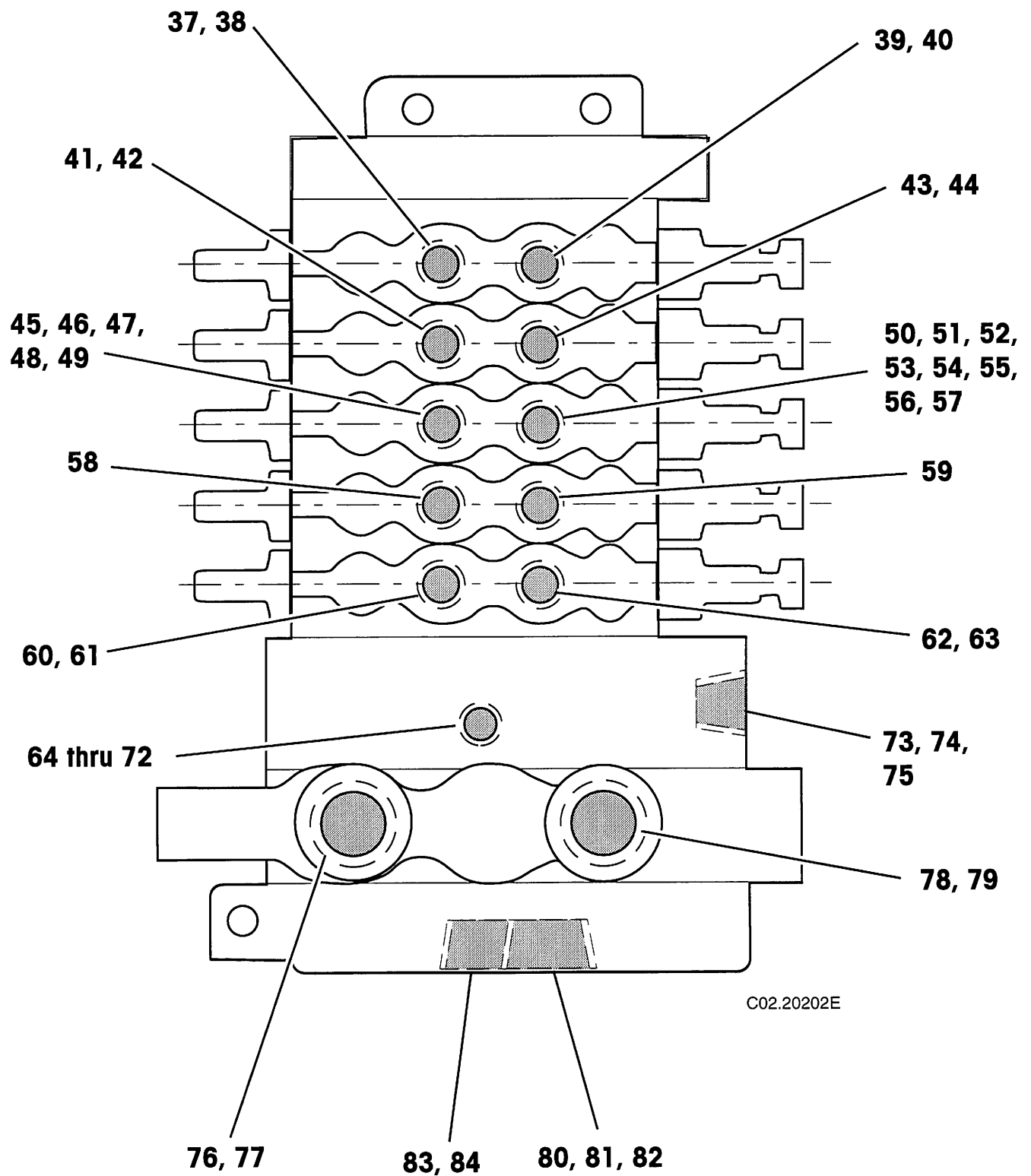
DATED

11 NOV. 1997

PART NO.

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TITLE

GROUND VALVE BANK ASSEMBLY, MPH 80 (SPECIAL)

PART NO. 355 1280

REV. - DATED 11 NOV. 1997

SECTION C02.

PLATE NO. 50

PAGE 02

PARTS LIST

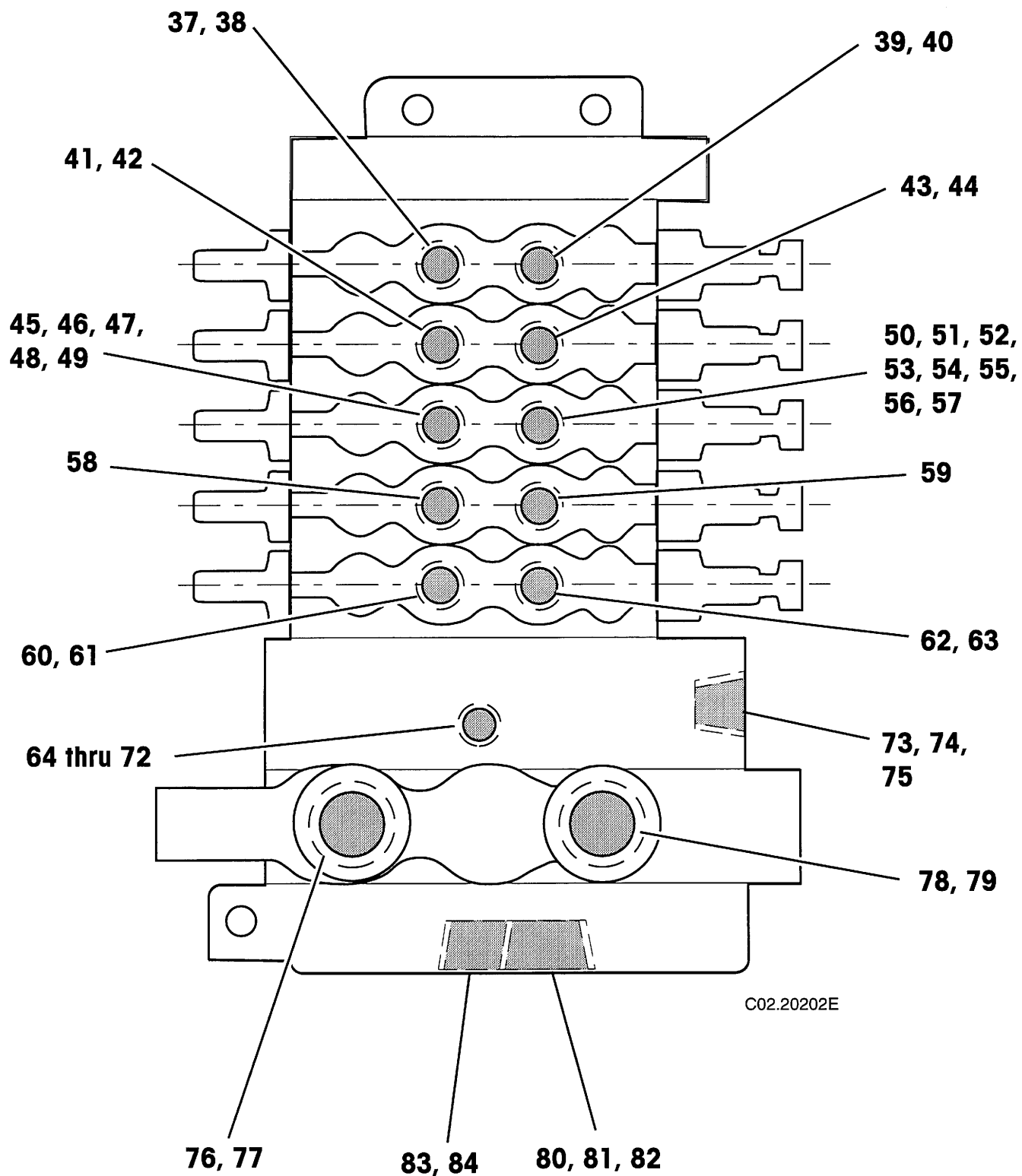
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are included with the Ground Valve Bank Assembly . They are not included with the Ground Valve Bank :	
			Steer Control Valve Segment:	
60	06-090600		Left port: REDUCER/ EXPANDER (8-6 F50 G5-S)	1
61	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
62	06-090600		Right port: REDUCER/ EXPANDER (8-6 F50 G5-S)	1
63	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S)	1
			Manifold Adapter Segment:	
			Front port:	
64	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
65	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)	1
66	06-050000		CONNECTOR, 6 S50X	1
67	01-021000		GAUGE, HYDRAULIC PRESSURE (1/4" male NPT) (0-400 psi [0-28,000 kPa])	1
68	06-084700		ELBOW (1/4 DD-S)	1
69	06-197700		CONNECTOR (6 F6X-S)	1
70	06-079000		ADAPTER, SWIVEL NUT (6 F650X-S)	1
71	01-020800		VALVE, POPPET CHECK (3 psi)	1
72	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	1
			Right side port:	
73	06-091100		REDUCER/ EXPANDER (12-8 F50 G5-S)	1
74	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1
75	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R50X-S)	1
			Drive Control Valve Segment (Bottom section):	
			Left port:	
76	06-041500		CONNECTOR (16-12 F50X)	1
77	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
			Right port:	
78	06-041500		CONNECTOR (16-12 F50X)	1
79	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
			Underside, forward port:	
80	06-215200		ADAPTER, SWIVEL NUT (16 F 65X-S)	1
81	01-015900		VALVE, CHECK (#16 ports, 3 psi) (current)	1
82	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
			Underside, rear port:	
83	06-041400		ADAPTER, "O"-RING TO 37° (16 F50X-S)	1
84	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1

TITLE

GROUND VALVE BANK ASSEMBLY, MPH 60 (SPECIAL)

SECTION **C02.** | PLATE NO. **50** | PAGE **03** | REV. - | DATED 11 NOV. 1997 | PART NO. **355 1280**

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TITLE

GROUND VALVE BANK ASSEMBLY, MPH 60 (SPECIAL)

PART NO. 355 1280

REV. - DATED 11 NOV. 1997

SECTION C02.

PLATE NO. 50

PAGE 03

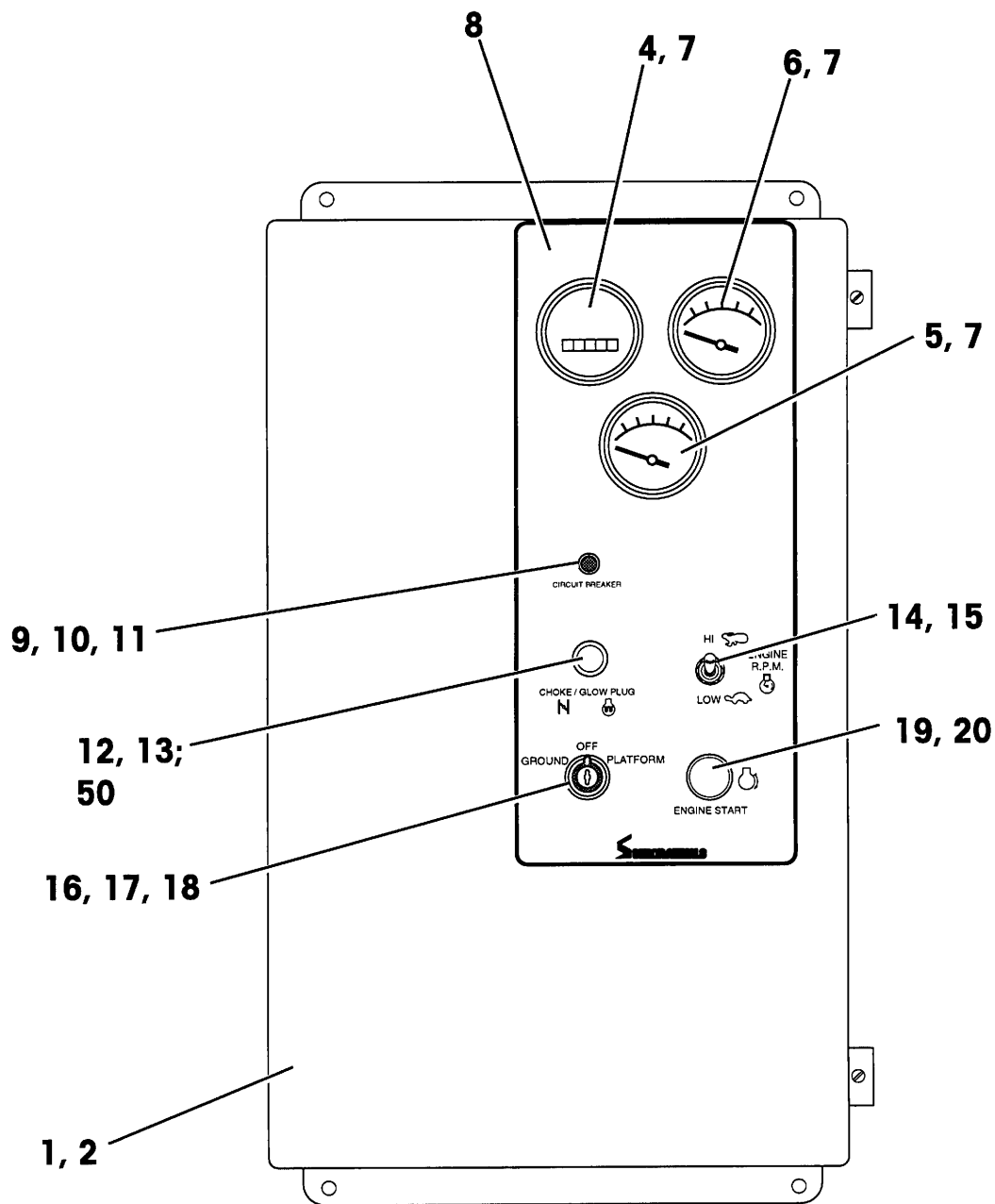
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 0100		GROUND CONTROL BOX ASSEMBLY	1
2	03-732000		BOX, ELECTRICAL (Drilled. Includes cover) (22" x 12" x 6" deep)	1
3	10-129100		WEATHERSTRIPPING (3/16" x 3/4" x 50 ft roll. 6 ft [1.83 m] required this application)	A.R.
4	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)	1
5	03-492200		METER, VOLT (12 Volt DC, 8 to 18 Volt range)	1
6	03-492400		GAUGE, ENGINE OIL PRESSURE (12 Volt DC)	1
	03-496400		0 to 100 psi (690 kPa) (comes with Control Box Assembly)	
			0 to 40 psi (276 kPa) (needed for some applications)	
7	01-225700		"O"-RING (1.989" I.D., .070" thick) (Meter seal to panel)	3
8	10-279500		DECAL, GROUND CONTROL English language (comes with Control Box Assembly)	1
	10-279502		French language	
	10-279503		German language	
9	03-024700		BREAKER, CIRCUIT (20 Amp)	1
10	01-037400		"O"-RING (.351" I.D., .072" thick)	1
11	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1
12	03-730600		SWITCH, PUSH BUTTON (Green) (Choke/ Glow Plug)	1
13	03-730800		BLOCK, CONTACT (Normally open)	1
14	03-719800		SWITCH, TOGGLE (Two position, maintained contact, single pole, single throw)	1
15	03-506200		SEAL, TOGGLE SWITCH	1
16	03-486500		SWITCH, KEY OPERATED (3 position) (includes 2 keys)	1
17	03-454900		BASE, CONTACT BLOCK	1
18	03-437200		BLOCK, CONTACT	4
19	03-730600		SWITCH, PUSH BUTTON (Green) (Engine Start)	1
20	03-730800		BLOCK, CONTACT (Normally open)	1

TITLE **GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS**

SECTION **C03.** PLATE NO. **44** PAGE **01** REV. **A** DATED **25 APR., 1997** PART NO. **355 0100**

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Art # C03.44001E

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TITLE

GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS

PART NO. 355 0100

REV. A

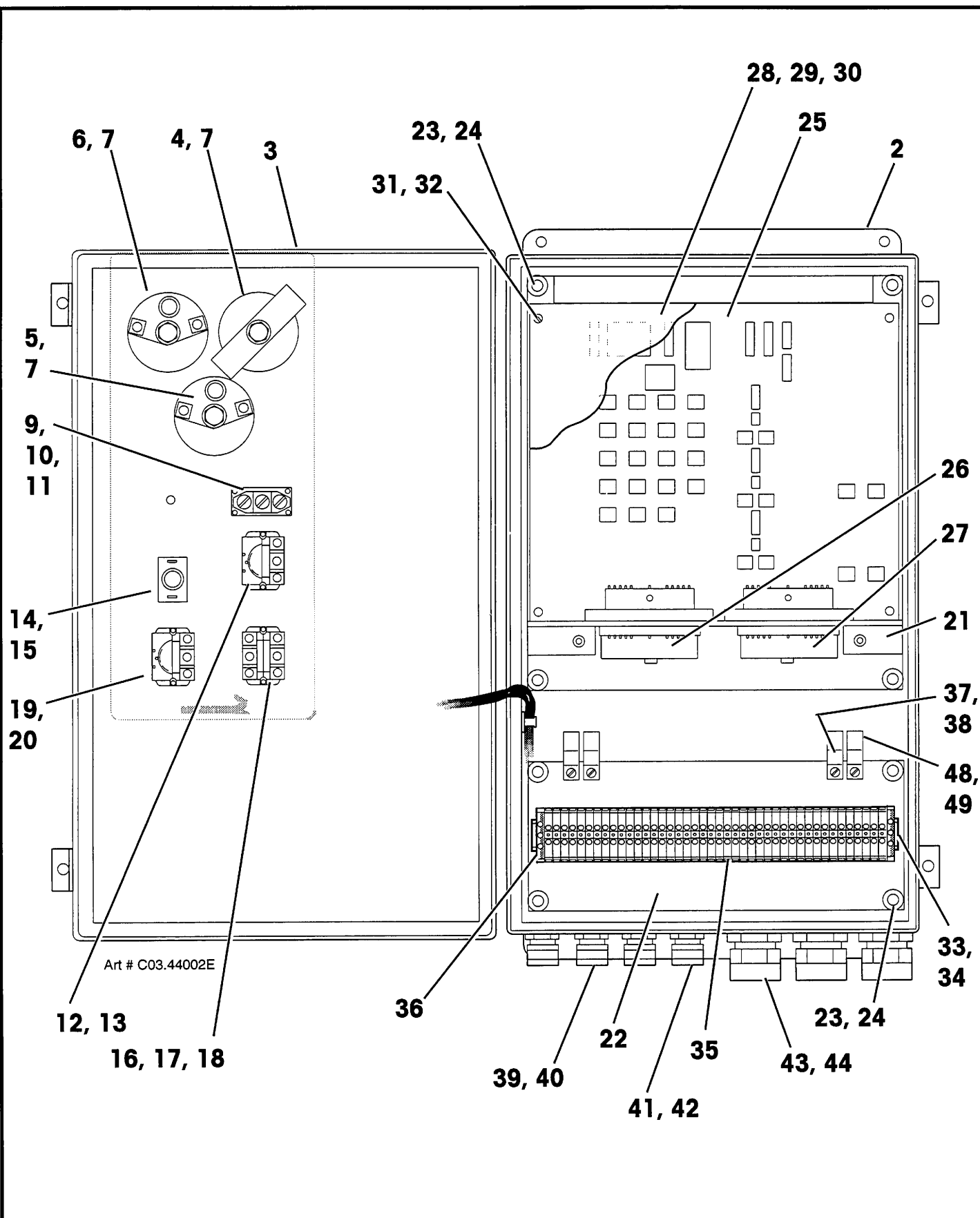
DATED 25 APR., 1997

SECTION C03.

PLATE NO. 44

PAGE 01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
21	234 7800		GROUND CONTROL BOX ASSEMBLY (continued)	
22	235 0480		SUBPLATE, MOUNTING (upper)	1
			SUBPLATE, MOUNTING (lower)	1
23	07-013414		MACHINE SCREW, ROUND HD (#10-32 x 1/2", Grade 2)	10
24	07-117600		WASHER, EXTERNAL TOOTH (#10)	8
25	03-731000		BOARD, PRINTED CIRCUIT (Controller board)	1
26	03-732200		PLUG, ELECTRICAL (marked "DRC 18-40S A ")	1
27	03-732300		PLUG, ELECTRICAL (marked "DRC 18-40S B ")	1
28	235 0150		COVER, PRINTED CIRCUIT BOARD	1
29			DECAL, "USER ASSIST DIAGNOSTIC SYSTEM . . ." (mounts to outside of circuit board cover)	1
	10-266700		English language (comes with Control Box Assembly)	
	10-266702		French language	
	10-266703		German language	
30	10-269200		DECAL, "WARNING" (Controller board diagram)	
			(mounts to inside of circuit board cover)	1
31	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	4
32	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	4
33			RAIL, TERMINAL CARRIER	
	235 1120		1.38" (35 mm) wide, 10.75" (273 m) long	1
	03-051700		Option. 1m (39.4") long piece. Cut to fit.	A.R.
34	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2")	2
35	03-505600		BLOCK, TERMINAL	39
36	03-745100		END STOP, TERMINAL BLOCK	2
37	03-469200		SOCKET, RELAY	3
38	03-467500		RELAY (Sealed, 12 Volt DC, normally open, SPDT)	3
39	03-041700		GRIP, CORD (3/8", with .31" to .38" seal)	3
40	03-055700		NUT, CONDUIT LOCK (3/8")	3
41	03-041000		GRIP, CORD (1/2", with .38" to .44" seal)	4
42	03-055500		NUT, CONDUIT (1/2")	4
43	03-063200		GRIP, CORD (3/4", with .69" to .75" seal)	1
44	03-055600		NUT, CONDUIT LOCK (3/4")	1
45	03-439000		TIE, CABLE (3-5/8" [92 mm] long)	A.R.
46	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
47	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
			The following items are not included with the Ground Control Box:	
48	03-467500		RELAY (Sealed, 12 Volt DC, normally open, SPDT)	
			(for optional lights)	1
49	03-469200		SOCKET, RELAY (for optional lights)	1
50	03-746100		PLUG, HOLE (7/8" dia., two-piece design)	
			(used to fill unused pushbutton holes)	A.R.
TITLE			GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS	
SECTION	C03.	PLATE NO.	44	PAGE 02
REV.	A	DATED	25 APR., 1997	PART NO. 355 0100
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



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TITLE

GROUND CONTROL BOX ASSEMBLY, SIMCON CONTROLS

PART NO. **355 0100**

REV. **A**

DATED
25 APR., 1997

SECTION **C03.**

PLATE NO. **44**

PAGE **02**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 9310		ENGINE GROUP (Deutz F4L 912; MPH 80 with John Deere pump and three-phase generator package)	1
2	3553020		ENGINE ASSEMBLY (Deutz F4L 912; MPH 80 with John Deere pump and three-phase generator package)	1
3	09-008100		ENGINE, DIESEL (Deutz Model F4L912)	1
4			FITTING, OIL PRESSURE (comes with engine)	1
5			SWITCH, OIL PRESSURE (comes with engine)	1
6			MUFFLER (comes with engine)	1
7			CLAMP, MUFFLER (comes with engine)	1
8	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (1/8 MRO-S)	1
9	09-052200		SENDING UNIT, OIL PRESSURE	1
10	06-202600		FITTING, BANJO (M14, female thread)	1
11	06-198700		FITTING, COMPRESSION (Straight, 3/16" tube to 1/4" NPT)	2
12	06-202700		BOLT, BANJO (M14)	1
13	06-202800		WASHER, BANJO BOLT (M14)	2
14	06-201300		FITTING, BANJO	1
15			FITTING, COMPRESSION	1
16	06-201500		BOLT, BANJO (M18)	1
17			WASHER, BANJO BOLT	2
18	05-084700		FUEL LINE (1/8") (Bulk item, order as needed. 14' [4.27 m] needed this application)	A.R.
19	05-081900		FUEL LINE (5/16") (Bulk item, order as needed. 14' [4.27 m] needed this application)	A.R.
20	09-004600		CLAMP, WORM (1/4" to 5/8")	4
21	05-085000		HOSE (1-1/2") (Bulk item, order as needed. 2.67' [81.4 cm] needed this application)	A.R.
22	235 2040		PANEL, ENGINE ACCESSORY	1
23	03-456803		MODULE, THROTTLE SOLENOID	2
24	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade 8)	2
25	07-065015		WASHER, HELICAL LOCK (5/16")	14
26	07-060015		WASHER, FLAT (5/16", SAE)	4
27	03-051300		SOLENOID (12 Volt DC, single pole, single throw)	1
28	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	7
29	07-060014		WASHER, FLAT (1/4", SAE)	3
30	07-050014		NUT, LOCK (1/4"-20, Grade 5)	10
31	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4")	2
32	07-062009		WASHER, FLAT (#8)	6
33	03-468700		BLOCK, TERMINAL (14 station)	1
34	07-011334		MACHINE SCREW, ROUND HEAD (#6 32 x 3/4")	2
35	07-050007		NUT, STOP (#6-32, Grade 5)	2
36	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp, MR 75)	1
37	03-066800		LOOM, WIRE (3/4") (Bulk item, order as needed. 5 ft [1.5 m] required in this application)	A.R.

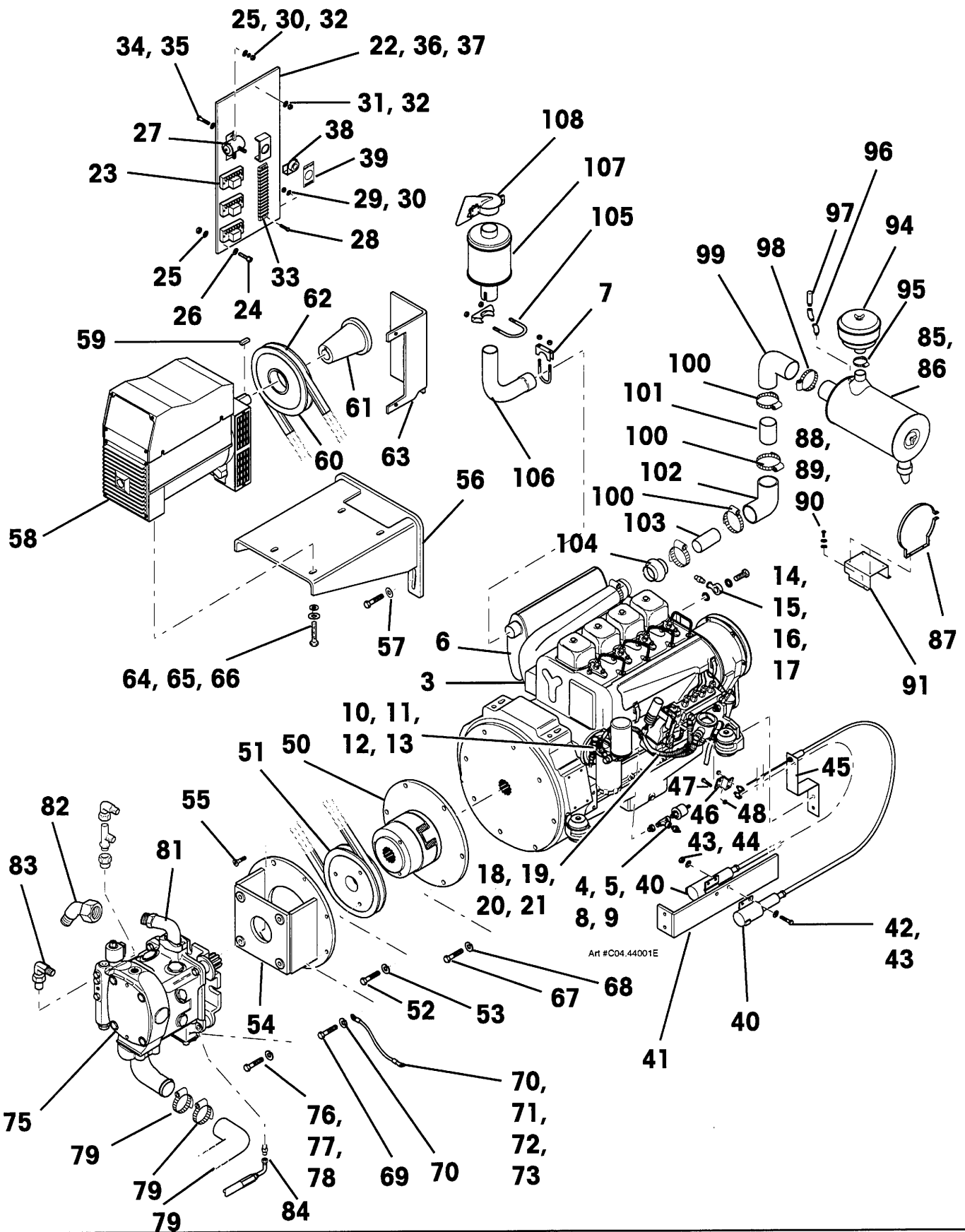
TITLE

ENGINE GROUP, DEUTZ F4L 912

Terex Aerials Inc.
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Milwaukee Wisconsin 53224 USA
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Fax 1-601-393-1751

SECTION **C04.** PLATE NO. **44** PAGE **01**

REV. - DATED 17 NOV. 1997 PART NO.



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TITLE

ENGINE GROUP, DEUTZ F4L 912

PART
NO.

REV.

DATED

17 NOV. 1997

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PLATE NO.

44

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01

PARTS LIST

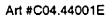
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
38			ENGINE GROUP (continued) ENGINE ASSEMBLY (continued) LAMP, GLOW PLUG INDICATOR	1
39	10-115800		DECAL, "GLOW PLUG INDICATOR"	1
40	03-736200		SOLENOID (includes cable end hardware)	2
41	212 4150		BRACKET, SOLENOID MOUNTING	1
42			CAP SCREW, HEX HEAD	4
43			WASHER, FLAT	8
44			NUT, LOCK	4
45	236 2990		BRACKET, THROTTLE CABLE MOUNTING	1
46	236 3000		BRACKET, THROTTLE ARM	1
47			CAP SCREW, HEX HEAD	2
48			NUT, LOCK	2
49	232 4610		GENERATOR ASSEMBLY	1
50	02-050700		COUPLING, PUMP (special, for generator mount)	1
51	212 7890		SHEAVE (lower)	1
52	07-003027		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/2", Grade 5)	3
53	07-065015		WASHER, HELICAL LOCK (5/16")	3
54	232 4450		ADAPTER, PUMP (special, for generator mount) (8 hole, 12-3/8" pilot flywheel housing to "C" [2 hole, 5" pilot] pump mount)	1
55			CAP SCREW, FLAT SOCKET HEAD (M10-1.5 x 25 mm)	2
56			BRACKET, GENERATOR MOUNTING	1
57	07-0630=06		WASHER, FLAT (M10)	2
58	03-706600		GENERATOR (5 kW, 3 phase)	1
59			KEY, GENERATOR SHAFT	1
60	09-057700		SHEAVE (upper)	1
61	08-044800		BUSHING, TAPERED	1
62	10-283400		BELT 1	
63	237 2370		GUARD, SHEAVE	1
64	07-003068		CAP SCREW, HEX HEAD (7/16"-14 x 1-3/4", Grade 5)	4
65	07-062017		WASHER, FLAT (7/16")	4
66	07-050017		NUT, LOCK (7/16"-14, Grade 5)	4
67	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6
68	07-066005		WASHER, LOCK (8 mm)	6
69	07-005184		CAP SCREW, HEX HEAD (M10 x 25 mm, Grade 8.8)	6
70	07-066006		WASHER, LOCK (10 mm)	6
71	03-074000		CABLE, GROUND (Black, 9-3/4" (25 cm) long]	1
72	07-062016		WASHER, FLAT (3/8")	1
73	07-065016		WASHER, HELICAL LOCK (3/8")	1
74	07-040016		NUT, HEX (3/8"-16, Grade 5)	1

TITLE

ENGINE GROUP, DEUTZ F4L 912

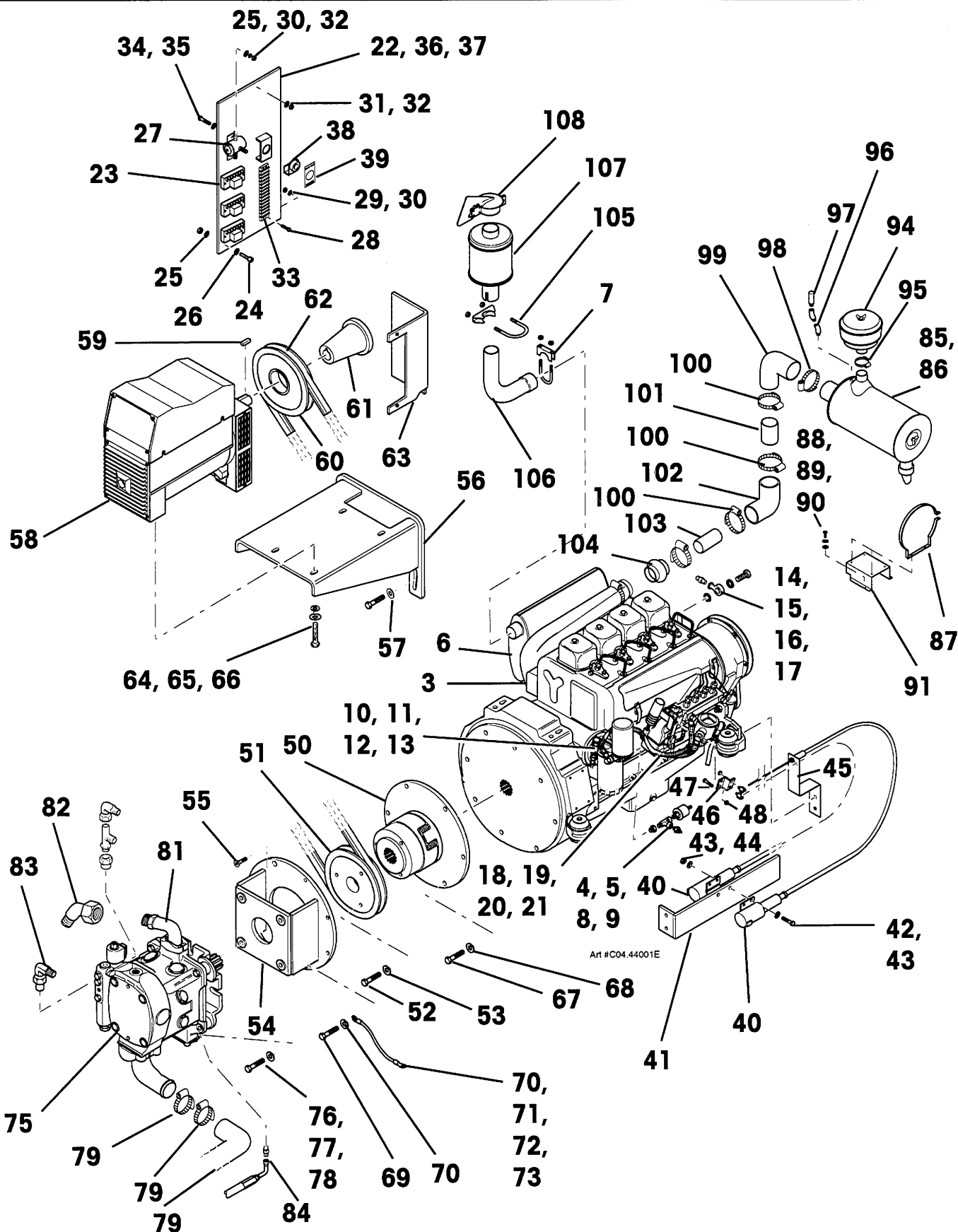
Terex Aerials Inc.
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SECTION **C04.** | PLATE NO. **44** | PAGE **02** | REV. - | DATED 17 NOV. 1997 | PART NO.



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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
75	01-019500	D08.13	ENGINE GROUP (continued) ENGINE ASSEMBLY (continued) PUMP ASSEMBLY, HYDRAULIC (50 c.c./ rev. output) (marked "ROPV 322 XXXXXX" and "24 72 R11531")	1
76	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4
77	07-060021		WASHER, FLAT (5/8")	4
78	07-065021		WASHER, HELICAL LOCK (5/8")	4
79	06-216700		FLANGE, SUCTION FITTING (1-1/2") (includes two flange halves and mounting hardware)	1
80	06-216600		90° FITTING (1-1/2" stem to 1-1/2" hose)	1
81	06-045800		90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
82	06-053400		45° ELBOW, SWIVEL NUT (16 V6X-S)	1
83	06-044800		90° ELBOW, "O"-RING TO 37° (8 C50X-S)	1
84	06-039300		ADAPTER, "O"-RING TO 37° (4 F50X-S)	1
85	09-007000		AIR CLEANER ASSEMBLY	1
86			ELEMENT, AIR CLEANER	1
87	09-003400		BAND, MOUNTING (8" dia.)	2
88			SCREW	4
89			NUT, LOCK	4
90			WASHER, FLAT	4
91	217 7020		BRACKET, AIR CLEANER	1
92			SCREW, SELF TAPPING	4
93			WASHER, FLAT	4
94	09-007100		PRE-CLEANER (3-3/4" [95 mm] dia.)	1
95			CLAMP, HOSE (Worm type) (comes with pre-cleaner)	1
96	06-081300		45° STREET ELBOW (1/8 CD45-S)	2
97	09-009900		INDICATOR, AIR FILTER SERVICE (20")	1
98	09-008600		CLAMP, HOSE (Worm type) (4")	1
99	09-009700		ELBOW, RUBBER (3-1/2" to 3")	1
100	09-005700		CLAMP, HOSE (Worm type) (3-1/2")	4
101	09-023800		TUBE, STEEL (3" dia.) (comes as 10 ft [3.05 m] length)	A.R.
102	09-003500		ELBOW, RUBBER (3" I.D.)	1
103			TUBE, STEEL	1
104			REDUCER, HUMP	1
105	09-015400		CLAMP, MUFFLER (2")	1
106	09-056900		PIPE, EXHAUST	1
107	09-072600		PURIFIER, EXHAUST	1
108	10-003800		RAIN CAP (2")	1
TITLE			ENGINE GROUP, DEUTZ F4L 912	
SECTION	C04.	PLATE NO. 44	PAGE 03	REV. - DATED 17 NOV. 1997 PART NO.
			Terex Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-601-393-1351 Fax 1-601-393-1751	



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TITLE

ENGINE GROUP, DEUTZ F4L 912

PART
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DATED
17 NOV. 1997

SECTION

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PLATE NO.

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03

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 2830		REMOTE PENDANT ASSEMBLY	1
2			BOX, ELECTRICAL (includes cover)	1
	03-063000		Undrilled	
	234 9240		Drilled for this application (will have hole for 1/2" cord grip)	
3	03-702000		SWITCH, PUSH BUTTON (Emergency stop)	1
4	03-454900		BASE, CONTACT BLOCK	1
5	03-437300		BLOCK, CONTACT (Normally closed)	1
6	03-730600		SWITCH, PUSH BUTTON (Green) (Function Power)	1
7	03-730800		BLOCK, CONTACT (Normally open)	1
8	03-730700		SWITCH, PUSH BUTTON (Yellow) (Emergency pump)	1
9	03-730800		BLOCK, CONTACT (Normally open)	1
10	03-719900		SWITCH, TOGGLE (Three position, momentary contact, SPDT)	6
11	03-506200		SEAL, TOGGLE SWITCH	6
12			DECAL, REMOTE CONTROL PENDANT (Front)	1
	10-265200		English language (included with Pendant Assembly)	
	10-265202		French language	
13	10-265203		German language	
			DECAL, "FUNCTION POWER" (Side)	1
	10-272100		English language (included with Pendant Assembly)	
	10-272102		"FONCTION/ PUISSANCE" (French language)	
	10-272103		"FUNKTION KRAFT" (German language)	
14			CABLE, ELECTRICAL (Type F 570) (Bulk item. Need 20 ft [6 m])	A.R.
	03-740300		19 conductor, 18 AWG (current versions)	
	03-488900		24 conductor, 16 AWG (some earlier versions)	
15			GRIP, CORD	1
	03-041000		Plastic, 1/2", with .38" to .44" seal (with 19 conductor cable)	
	03-063200		3/4", with .69" to .75" seal (with 24 conductor cable)	
16			NUT, CONDUIT LOCK	1
	03-055500		1/2" (with 19 conductor cable)	
	03-055600		3/4" (with 24 conductor cable)	
17	03-098200		TERMINAL, END FLAG	18
18	03-096000		TERMINAL, SLIP ON (Blue, "piggyback" insulated, #14-16 AWG)	6
19	03-439000		TIE, CABLE (3.6" [92 mm] long)	8
20	03-064000		TIE, CABLE (7.4" [188 mm] long)	8
21	03-064100		MOUNT, CABLE TIE (adhesive backed)	3
			The following items <u>are not</u> included as part of the Remote Pendant Assembly:	
22	01-031705		KNOB, CONTROL BOX MOUNTING	2
23	07-008353		CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)	2
24	07-062011		WASHER, FLAT (#10)	10

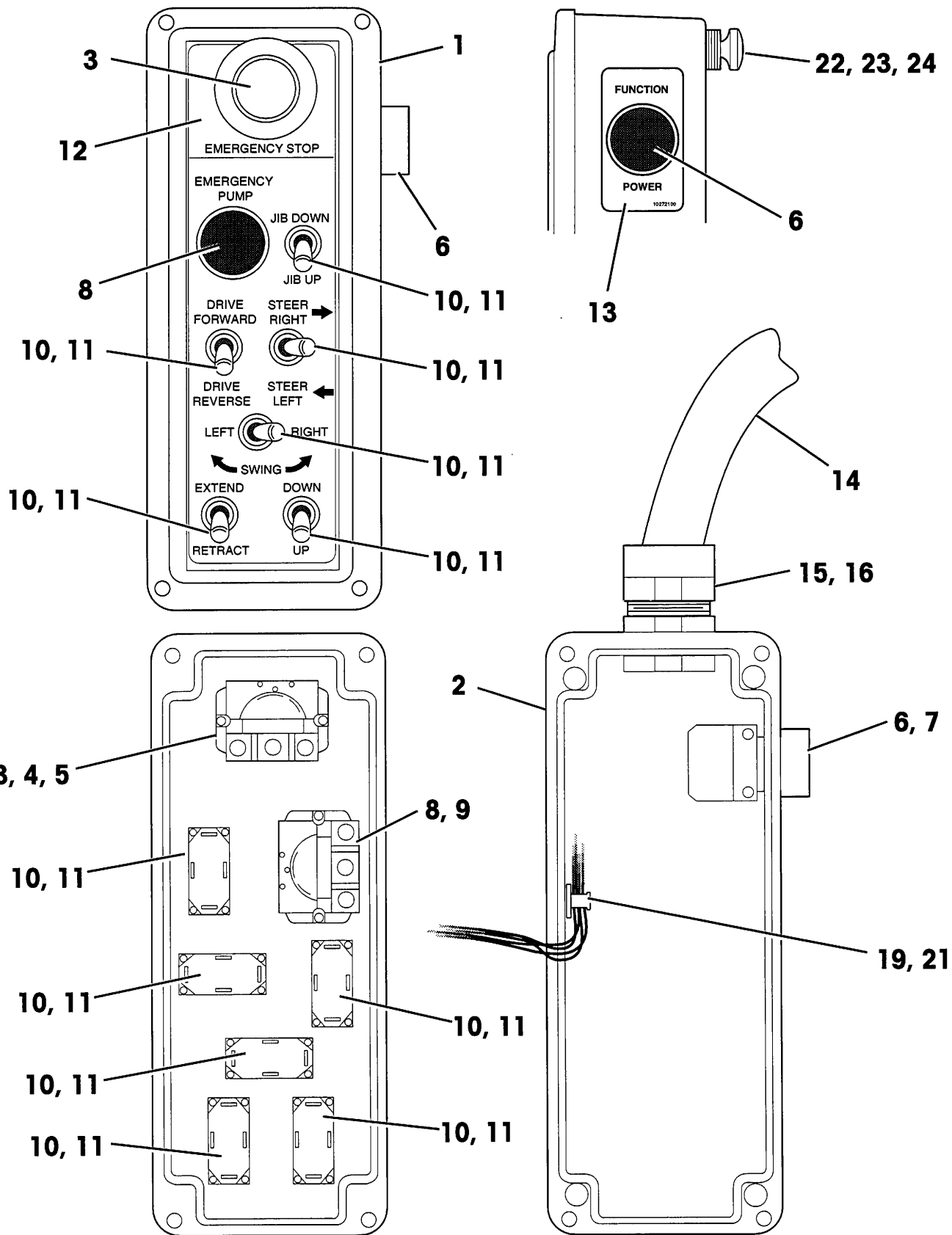
TITLE

REMOTE PENDANT ASSEMBLY, WITH JIB BOOM TOGGLE)

SECTION **C06.** PLATE NO. **202** PAGE **01** REV. **B** DATED **04 MAR., 1997** PART NO. **354 2830**



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Art # C06.20201E



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TITLE

REMOTE PENDANT ASSEMBLY, WITH JIB BOOM TOGGLE)

PART NO.

354 2830

REV. B

DATED

04 MAR., 1997

SECTION

C06.

PLATE NO.

202

PAGE

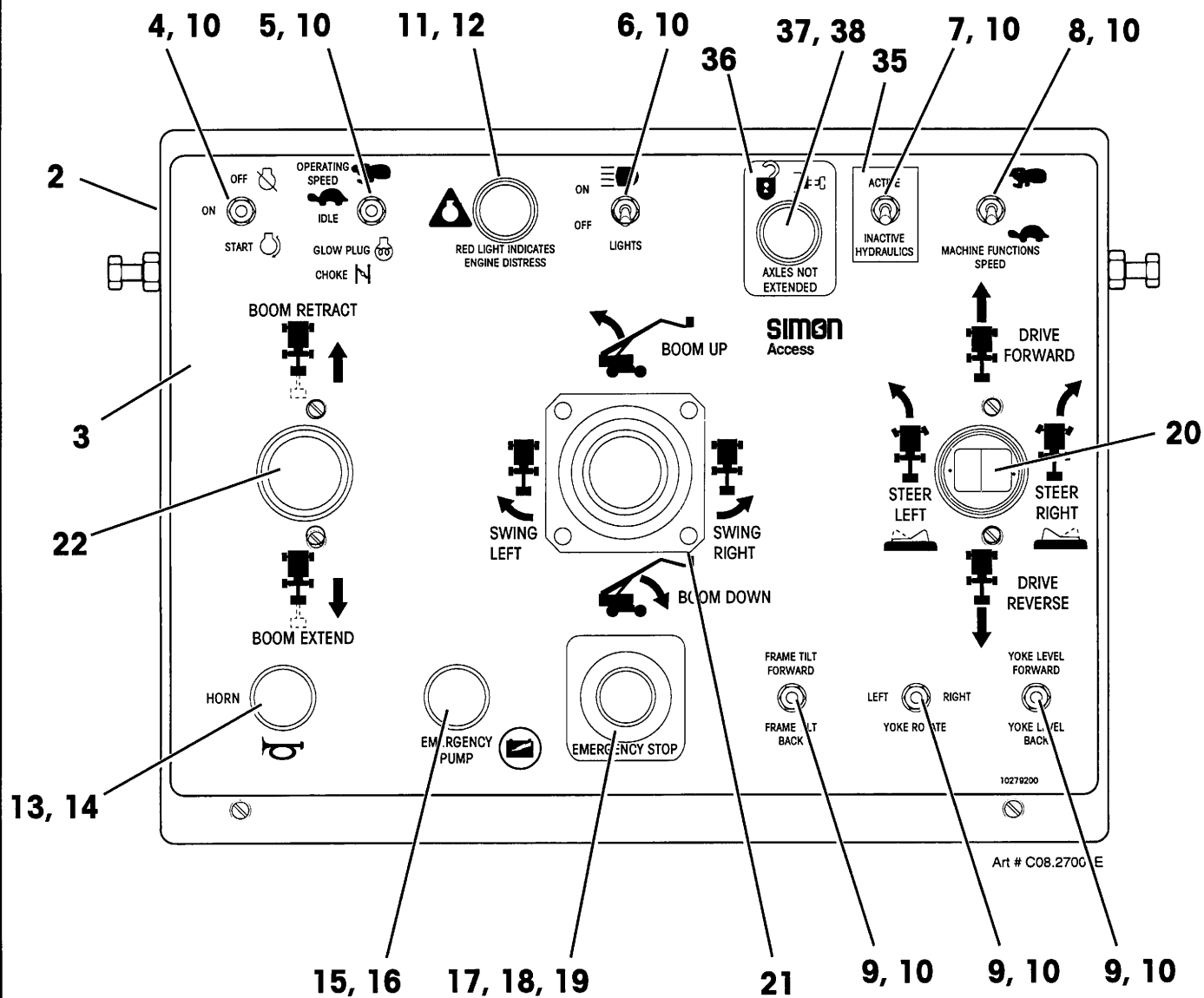
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 9160		PLATFORM CONTROL BOX ASSEMBLY	1
2	236 8880		BOX, ELECTRICAL (16.3" x 12.3" x 7.2" deep. Includes cover) Drilled for this application	1
3	10-279200		PLACARD, PLATFORM CONTROL (Lexan, English language)	1
4	03-730100		SWITCH, TOGGLE (Off/ On/ Start) (3 2NT91-50. Three position [1 momentary, 2 maintained] DPDT)	1
5	03-730000		SWITCH, TOGGLE (Oper. Speed, Choke/ Glow Plug) (3 1NT91-5. Three position [1 momentary, 2 maintained] SPDT)	1
6	03-719800		SWITCH, TOGGLE (Lights) (3 1NT91-2. Two position, maintained contact, single pole, single throw)	1
7	03-719800		SWITCH, TOGGLE (Hydraulics Active/ Inactive) (3 1NT91-2. Two position, maintained contact, single pole, single throw)	1
8	03-719800		SWITCH, TOGGLE (Machine Functions Speed) (3 1NT91-2. Two position, maintained contact, single pole, single throw)	1
9	03-719900		SWITCH, TOGGLE (Frame Tilt; Yoke Rotate; Yoke Level) (3 1NT91-7. Three position [2 momentary, 1 maint.] SPDT)	3
10	03-506200		SEAL, TOGGLE SWITCH	8
11	03-730400		LENS, PILOT LAMP (Clear) (Engine distress)	1
12	03-730500		DIODE, LIGHT-EMITTING (L.E.D., 12 Volt AC/ DC)	1
13	03-730600		SWITCH, PUSH BUTTON (Green) (Horn)	1
14	03-730800		BLOCK, CONTACT (Normally open)	1
15	03-730700		SWITCH, PUSH BUTTON (Yellow) (Emergency Pump)	1
16	03-730800		BLOCK, CONTACT (Normally open)	1
17	03-702000		SWITCH, PUSH BUTTON (Emergency stop) (Red "pull to release" style)	1
18	03-454900		BASE, CONTACT BLOCK	1
19	03-437300		BLOCK, CONTACT (Normally closed)	1
20	03-718800		CONTROLLER, SINGLE AXIS (with rocker) (Drive/ Steer)	1
21	03-718700		CONTROLLER, DUAL AXIS (Boom Up/ Down; Swing)	1
22	03-718900		CONTROLLER, SINGLE AXIS (Boom Extend/ Retract)	1

TITLE PLATFORM CONTROL BOX, MPH 60, MPH 80 (SPECIAL)					
SECTION C08.	PLATE NO. 27	PAGE 01	REV. -	DATED 18 APR., 1997	PART NO.

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TITLE

PLATFORM CONTROL BOX, MPH 60, MPH 80 (SPECIAL)

PART NO.

REV.

DATED

18 APR., 1997

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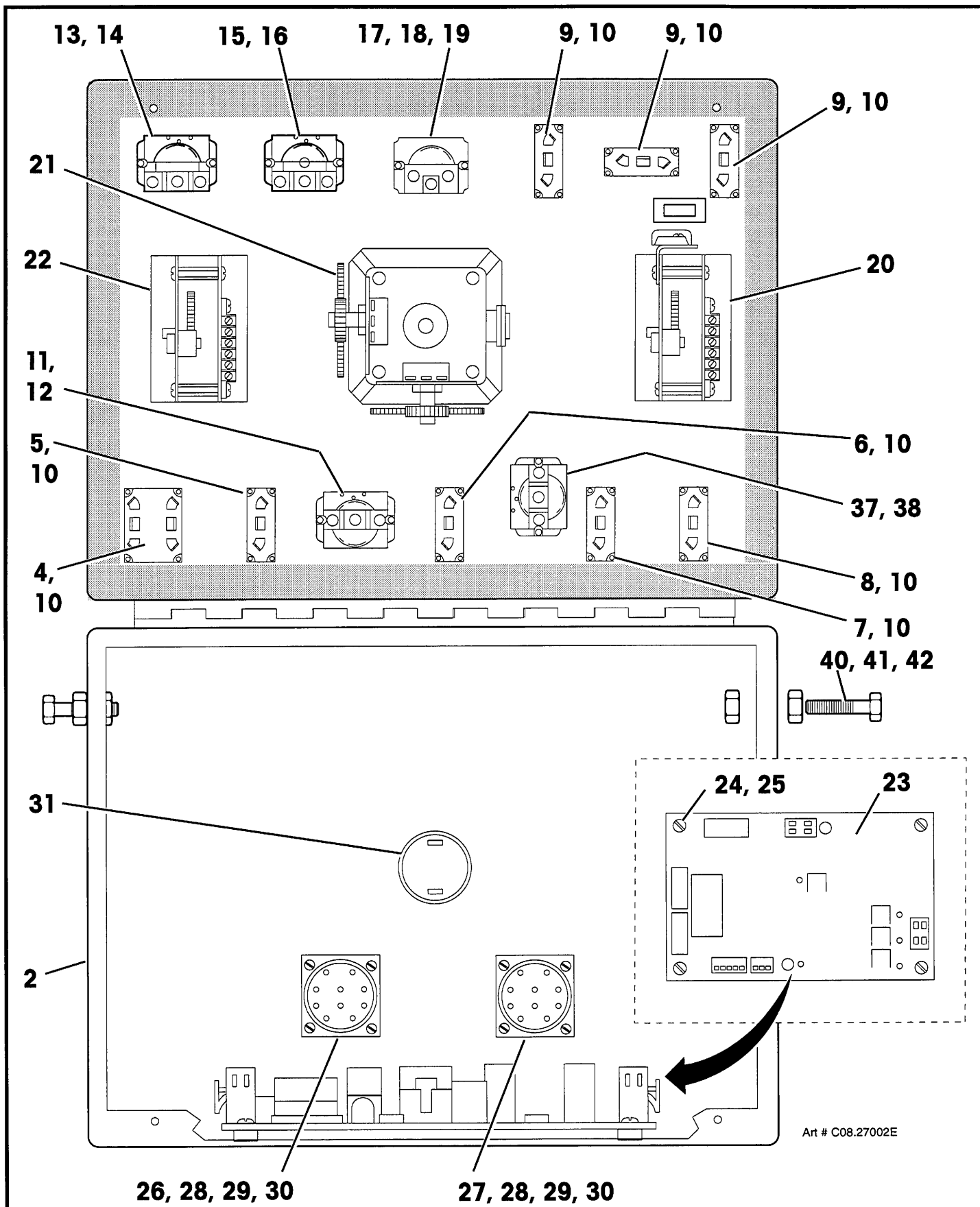
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	03-719700		PLATFORM CONTROL BOX ASSEMBLY (continued)	
24	07-011344		BOARD, PRINTED CIRCUIT	1
25	07-050009		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	4
26	03-719400		NUT, HEX LOCK (#8-32, Grade 5)	8
27	03-719600		RECEPTACLE, ELECTRICAL (9 pin) (Marked "HD10-9-96 P")	1
28	03-719500		RECEPTACLE, ELECTRICAL (9 pin) (Marked "HD10-9-16 P")	1
29	03-719500		GASKET, NINE PIN CONNECTOR	2
30	07-117700		MACHINE SCREW, PHILLIPS HEAD (#4-40 x 1", stainless steel)	8
31	07-117800		NUT, MACHINE (#4-40, stainless steel)	8
32	03-731100		ALARM, AUDIO (108 db)	1
33	03-439000		TIE, CABLE (3.6" [92 mm] long)	A.R.
34	03-064000		TIE, CABLE (7.4" [188 mm] long)	A.R.
35	03-064100		MOUNT, CABLE TIE (Adhesive backed)	A.R.
	No Part No.		DECAL, "ACTIVE/ INACTIVE HYDRAULICS"	1
			The following items are not included with the Platform Control Box.	
36	10-279700		DECAL, "AXLES NOT EXTENDED" (MPH 80 only)	1
37	03-730400		LENS, PILOT LAMP (Clear) (Axle Warning) (MPH 80 only)	1
38	03-730500		DIODE, LIGHT-EMITTING (L.E.D., 12 Volt AC/ DC) (MPH 80 only)	1
39	03-497900		PLUG, PLASTIC (1/2" dia., "Panel Seal", to fill unused toggle holes)	A.R.
40	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)	2
41	07-047017		NUT, JAM (3/8"-16, Grade 5)	2
42	07-040016		NUT, HEX (3/8"-16, Grade 5)	2

TITLE PLATFORM CONTROL BOX, MPH 60, MPH 80 (SPECIAL)

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SECTION C08. PLATE NO. 27 PAGE 02 REV. - DATED 18 APR., 1997 PART NO.



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TITLE

PLATFORM CONTROL BOX, MPH 60, MPH 80 (SPECIAL)

PART NO.

REV. -

DATED 18 APR., 1997

SECTION

C08.

PLATE NO.

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02

PARTS LIST

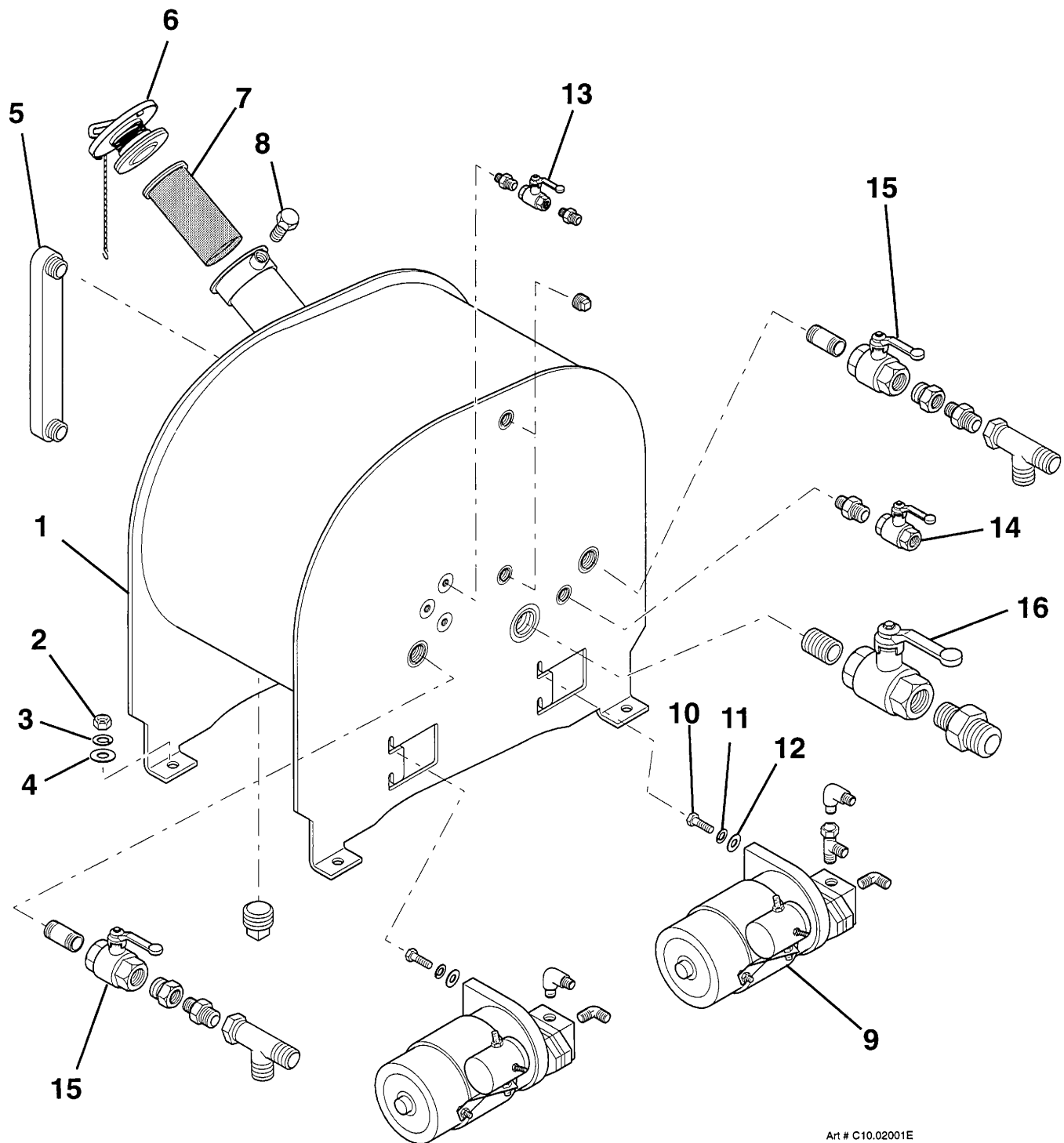
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	207 4845		TANK WELDMENT, HYDRAULIC [Capacity 55 gallons (208 liters)]	1
2	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
3	07-065018		WASHER, HELICAL LOCK (1/2")	4
4	07-062018		WASHER, FLAT (1/2")	4
5	10-033800	D12.05	GAUGE, SIGHT [14" (35.56 cm) long]	1
6	10-002100		CAP, HYDRAULIC TANK FILLER	1
7	10-001000		STRAINER ASSEMBLY	1
8	01-008200		PLUG, VENT (with 40 micron filter)	1
9	See Index	D07. --	PUMP, EMERGENCY HYDRAULIC	A.R.
10	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
11	07-065016		WASHER, HELICAL LOCK (3/8")	4
12	07-062016		WASHER, FLAT (3/8")	4
13			VALVE, BALL (Shutoff valve) (1/4" NPT)	A.R.
14	01-002800		VALVE, BALL (Shutoff valve) (1/2" NPT)	A.R.
15	01-020600		VALVE, BALL (Shutoff valve) (3/4" NPT)	A.R.
16	01-068500		VALVE, BALL (Shutoff valve) (1" NPT)	A.R.
17	01-063000		VALVE, BALL (Shutoff valve) (1-1/2" NPT)	A.R.
18	01-018400		VALVE, BALL (Shutoff valve) (2" NPT)	A.R.
The following items may be found on a typical installation:				
19	01-226000		FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)	2
20	351 7060		HOSE ASSEMBLY	2
20a	03-466900		HEATER, TANK (120 Volt AC) (option, not shown)	1
21	11-075800		NIPPLE, PIPE (1-1/2" NPT, 3" long)	1
22			NIPPLE, PIPE (1-1/2" NPT, close)	1
23	11-020014		NIPPLE, PIPE (1" NPT, close)	1
24	11-020017		NIPPLE, PIPE (2" NPT, close)	1
25	11-203200		NIPPLE, PIPE (1/2" x 1-1/8")	1
26	11-071500		NIPPLE, PIPE (1-1/2" x 1-3/4", close)	1
27	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
28	06-001700		CONNECTOR, MALE (12-8 FTX-S)	1
29	06-002000		CONNECTOR, MALE (12-16 FTX-S)	1
30	06-002200		CONNECTOR, MALE (16 FTX-S)	1
31	06-079000		CONNECTOR, SWIVEL NUT (16 F65X-S)	1
32	06-191500		CONNECTOR, HOSE (Beaded insert) (1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long)	1
33	11-061400		BUSHING, REDUCER (1-1/2" to 3/4" NPT)	1
34	11-061500		BUSHING, REDUCER (1-1/2" to 1" NPT)	1
35	11-061800		BUSHING, REDUCER (2" to 1-1/2" NPT)	1
36	11-061900		REDUCER, BELL (2" to 1/2" NPT)	1

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

PLATE NO. C10.02 **SIMON AERIALS INC.**

REV. 07 APR., 1995
(THIS SHEET ONLY)

PART NO.



Art # C10.02001E

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

SIMON AERIALS INC.

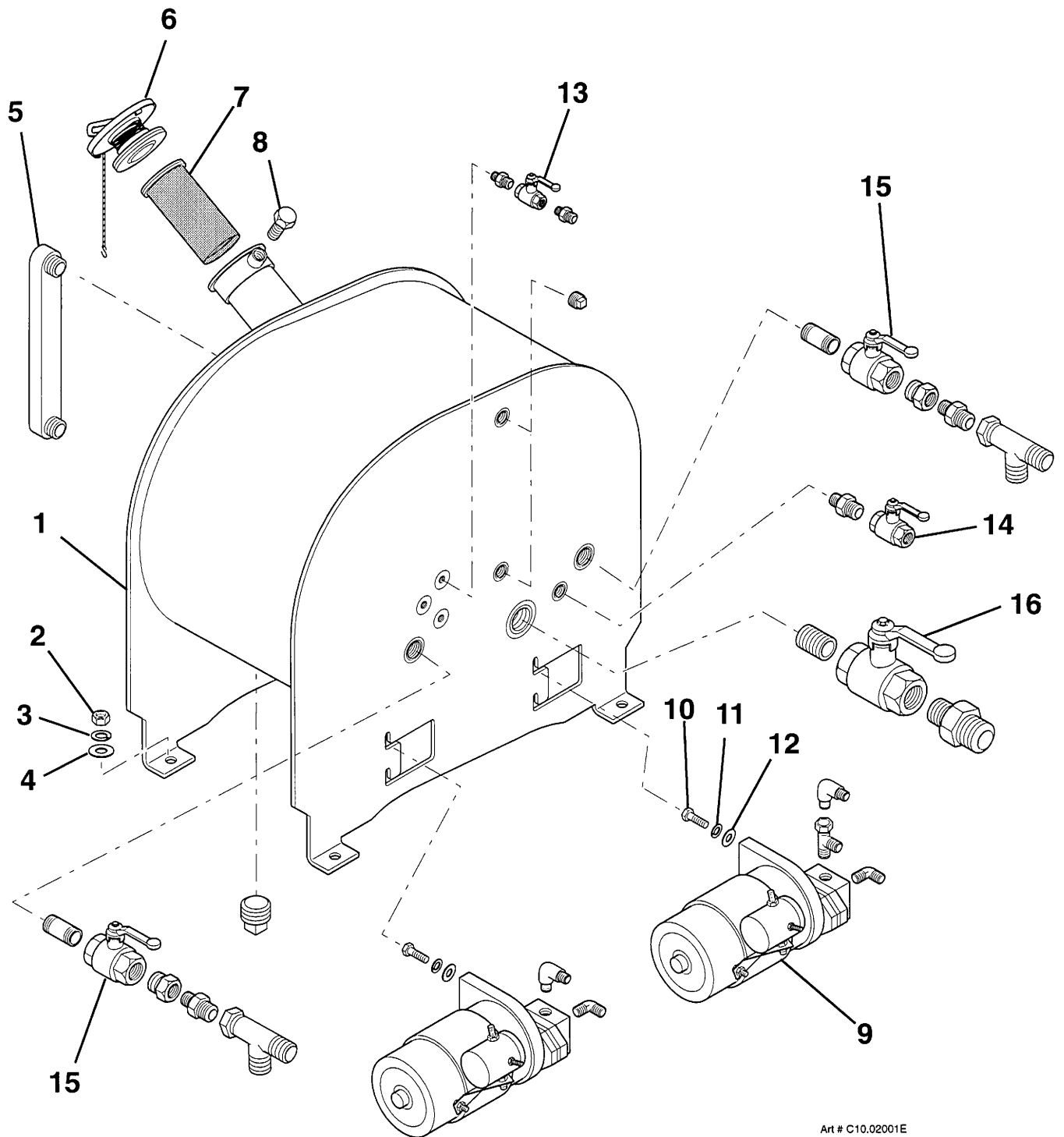
REV. 20 JUN., 1994

PART
NO.

PLATE
NO. C10.02

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PLATE NO.	C10.02	SIMON AERIALS INC.	REV. 20 JUN., 1994	PART NO.
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Art # C10.02001E

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES)

SIMON AERIALS INC.

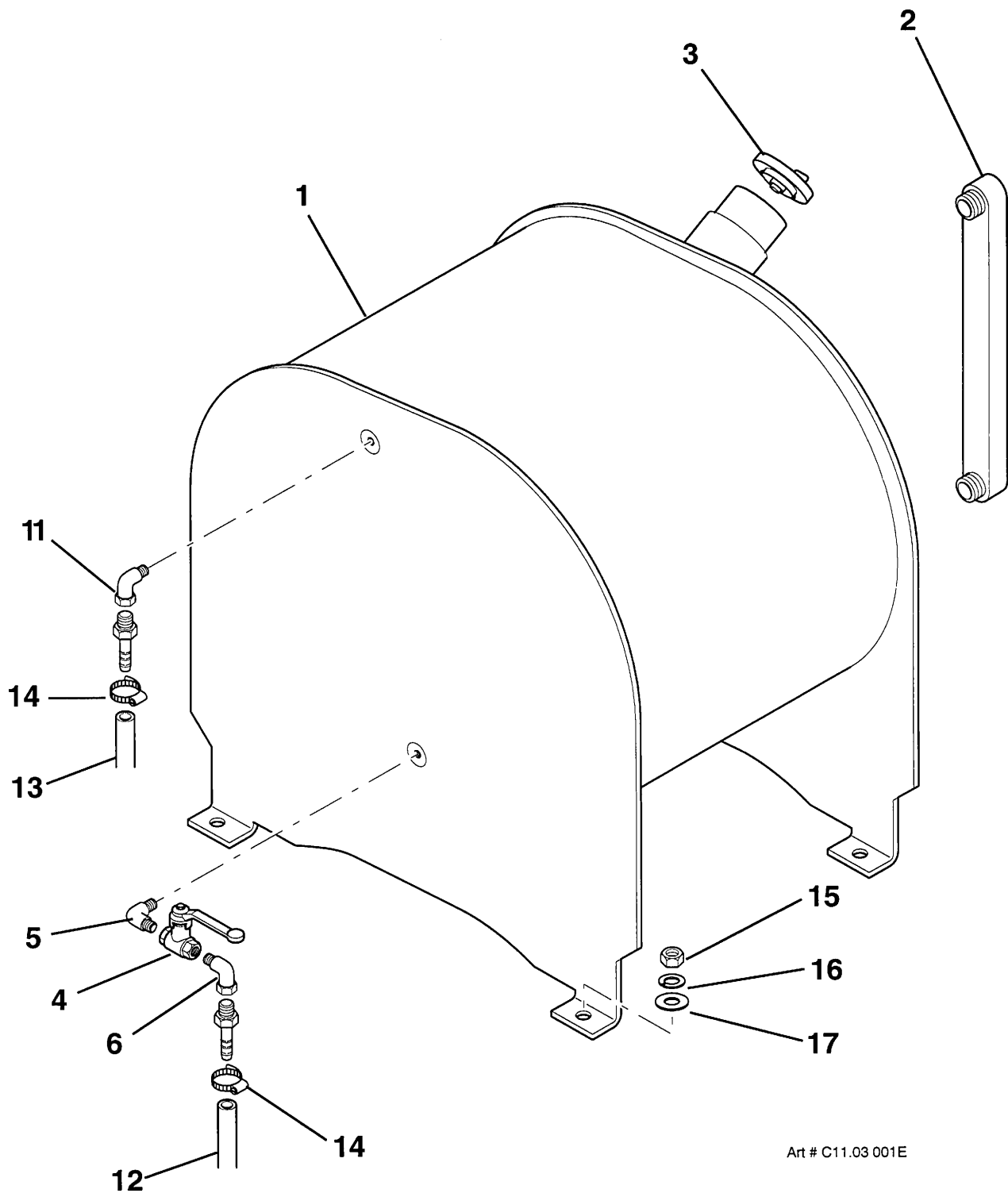
REV. 20 JUN., 1994

PART
NO.

PLATE
NO. C10.02

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	No part no. 3505184		TANK ASSEMBLY, FUEL (for MPH 80, MPE 95, MPE 110) TANK ASSEMBLY, FUEL (for MP 80N only) [Capacity 57 gallons (216 liters) to top of sight gauge]	1
1	2089359		TANK WELDMENT, FUEL (MPH 80, MPE 95, MPE 110) Note: overall height of tank is 32.25" (81.91 cm).	1
	2074887		TANK WELDMENT, FUEL (for MP 80N only) Note: overall height of tank is 33.5" (85.09 cm).	1
2	10-033800	D12.05	GAUGE, SIGHT [14" (35.56 cm) long]	1
3	10-001900		CAP, FUEL TANK FILLER (Vented, Anti-surge)	1
4	01-032800		VALVE, SHUTOFF (1/4" NPT)	1
			The following items may be found on a typical installation:	
5	06-082500		90° ELBOW, MALE PIPE THREAD (1/4 CR-S)	1
6	06-080200		90° STREET ELBOW (1/4 CD-S)	1
7	11-050401		FITTING, HOSE (Brass, barbed, 1/4" I.D. hose, 1/4" male NPT thread)	1
8	11-050403		FITTING, HOSE (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT thread)	1
9	11-050405		FITTING, HOSE (Brass, barbed, 1/8" I.D. hose, 1/8" male NPT thread)	1
10	11-050200		BUSHING, REDUCER (1/4" male to 1/8" female)	1
11	11-075400		PLUG, SQUARE HEAD (1/4" NPT)	1
			(except Diesel engine)	1
	06-080200		90° STREET ELBOW (1/4 CD-S) (for Diesels)	1
			The items listed below are not part of Fuel Tank Assembly:	
12			HOSE, FUEL FEED (5/16" I.D.)	A.R.
13			HOSE, FUEL RETURN (1/4" I.D.)	A.R.
14	09-004600		CLAMP, HOSE (Worm type, 1/4" to 5/8")	2
15	07-040018		NUT, HEX (1/2"-13, Grade 5)	4
16	07-065018		WASHER, LOCK (1/2")	4
17	07-062018		WASHER, FLAT (1/2")	4
TITLE FUEL TANK ASSEMBLY, MP/ RP (W/ EXTENDABLE AXLES)				
PLATE NO.	C11.03	SIMON AERIALS INC.		PART NO.
		REV. 20 JUN., 1994		



Art # C11.03 001E

TITLE FUEL TANK ASSEMBLY, MP/ RP (W/ EXTENDABLE AXLES)

SIMON AERIALS INC.

REV. 20 JUN., 1994

PART
NO.

PLATE
NO. **C11.03**

PARTS LIST

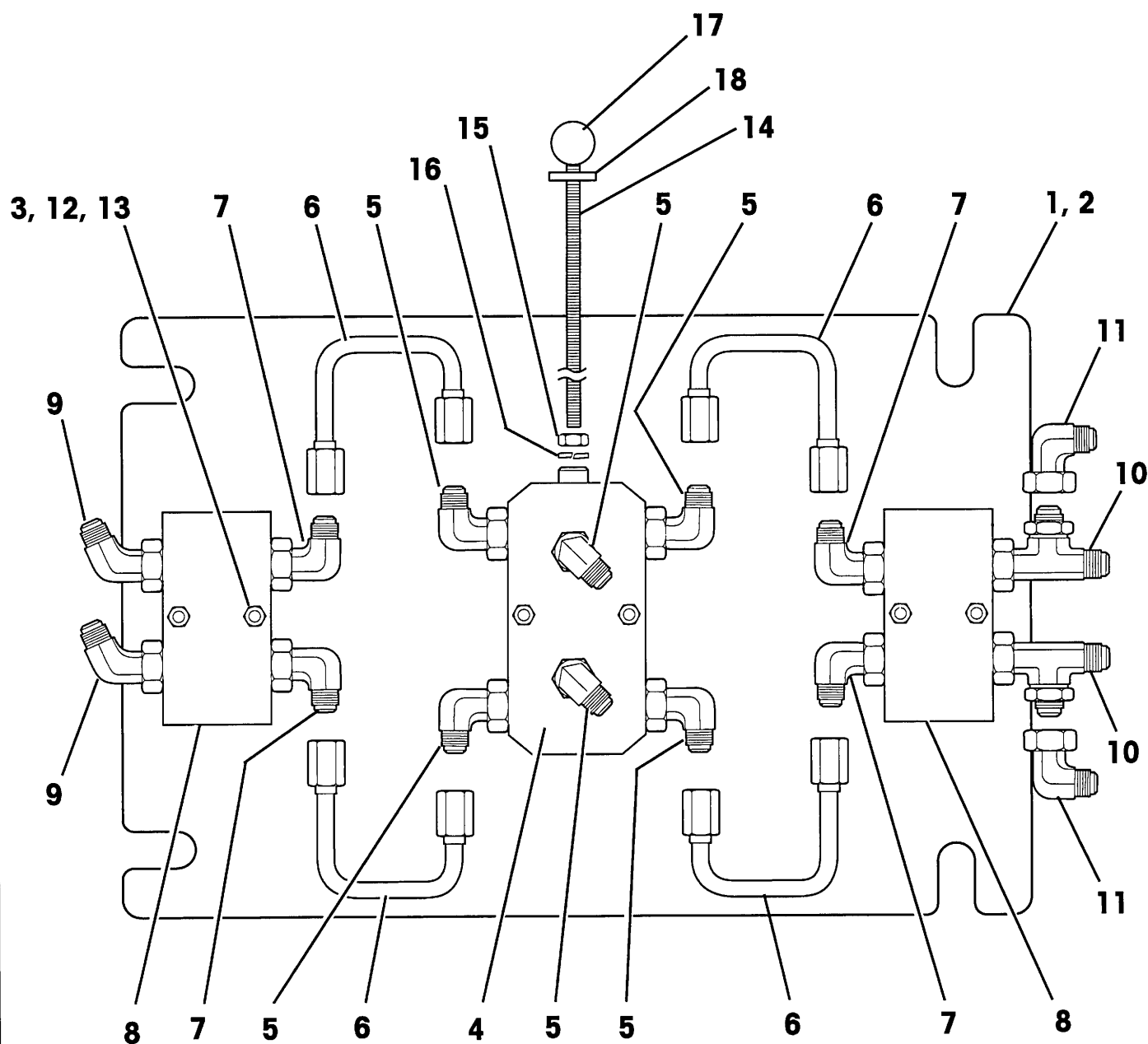
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	351 6830		SELECTOR VALVE ASSEMBLY (Steer/ Axle extend)	1
2	202 7520		SUBPLATE	1
3	07-031007		STUD, WELDING (Threaded, 5/16"-18 x 2-1/2")	6
4	01-004500		VALVE, SELECTOR (Double parallel, #8 "O"-ring ports)	1
5	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C50X-S)	6
6	3508851		TUBE ASSEMBLY	4
7	06-044600		90° ELBOW, "O"-RING TO 37° (6 C50X-S)	4
8	01-001900		VALVE, CHECK (Pilot operated)	2
9	06-047000		45° ELBOW, "O"-RING TO 37° (6 V50X-S) (option)	2
	06-039800		ADAPTER, "O"-RING TO 37° (6 F50X-S) (option)	2
10	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	2
11	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	2
12	07-050015		NUT, LOCK (5/16"-18, Grade 5)	6
13	07-062015		WASHER, FLAT (5/16")	4
14	11-007004		ROD, THREADED (3/8"-16, Grade 2) (3 ft [0.91 m] long piece. 20" [508 mm] used in this application)	A.R.
15	07-040016		NUT, HEX (3/8"-16, Grade 5)	1
16	07-065016		WASHER, HELICAL LOCK (3/8")	1
17	10-042400		KNOB, BALL (Plastic)	1
			The following item is not part of the selector valve assembly:	
18	2071215		GUIDE, VALVE ACTUATOR (welded to undercarriage)	1

TITLE

STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP

SECTION **C12.** PLATE NO. **01** PAGE **01** REV. **A** DATED **08 MAY, 1997** PART NO. **351 6830**

Simon Aerials Inc.
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Fax 414-355-3172



Art # C12.01001E

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TITLE

STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP

PART
NO.

351 6830

REV. A

DATED
08 MAY, 1997

SECTION

C12.

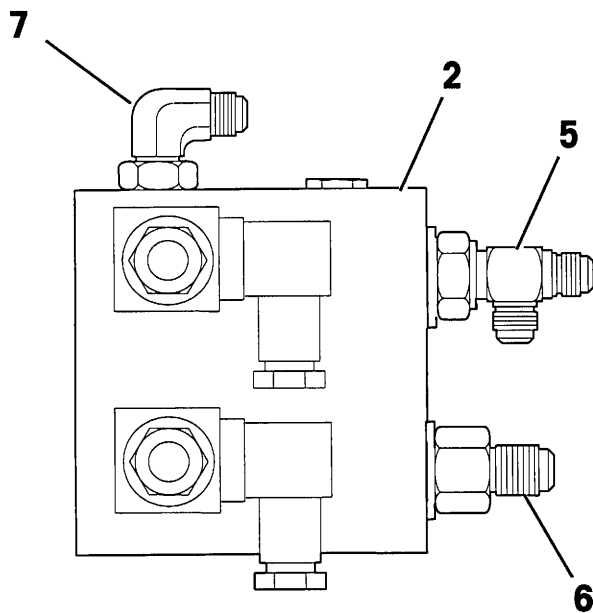
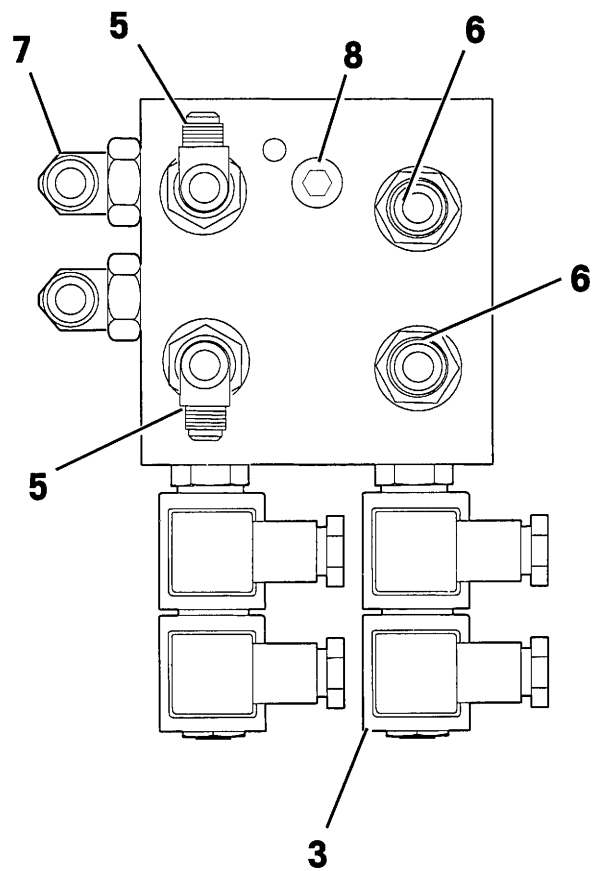
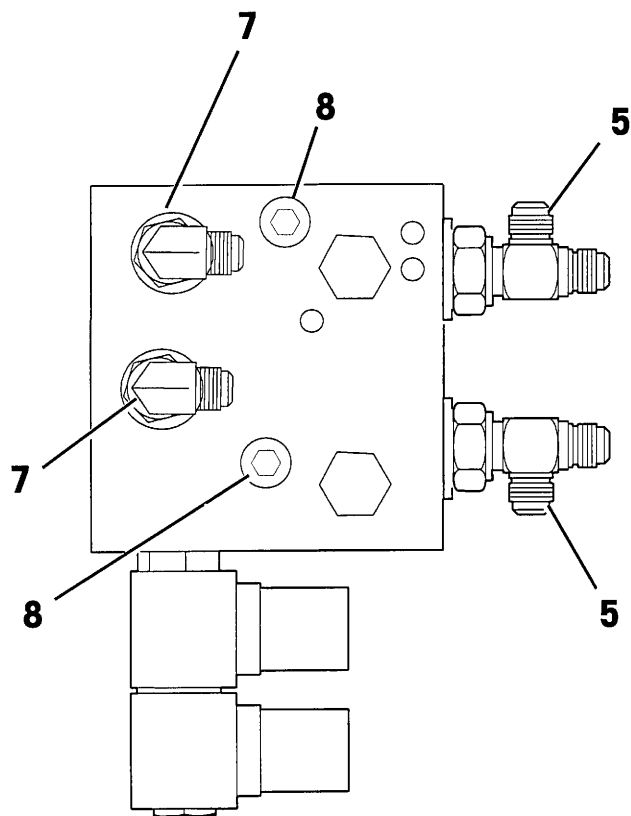
PLATE NO.

01

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Art #C12.07001E

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TITLE

PLATFORM LEVEL/ ROTATE VALVE ASSEMBLY

PART
NO.

355 1320

REV.
-

DATED
24 APR., 1997

SECTION

C12.

PLATE NO.

07

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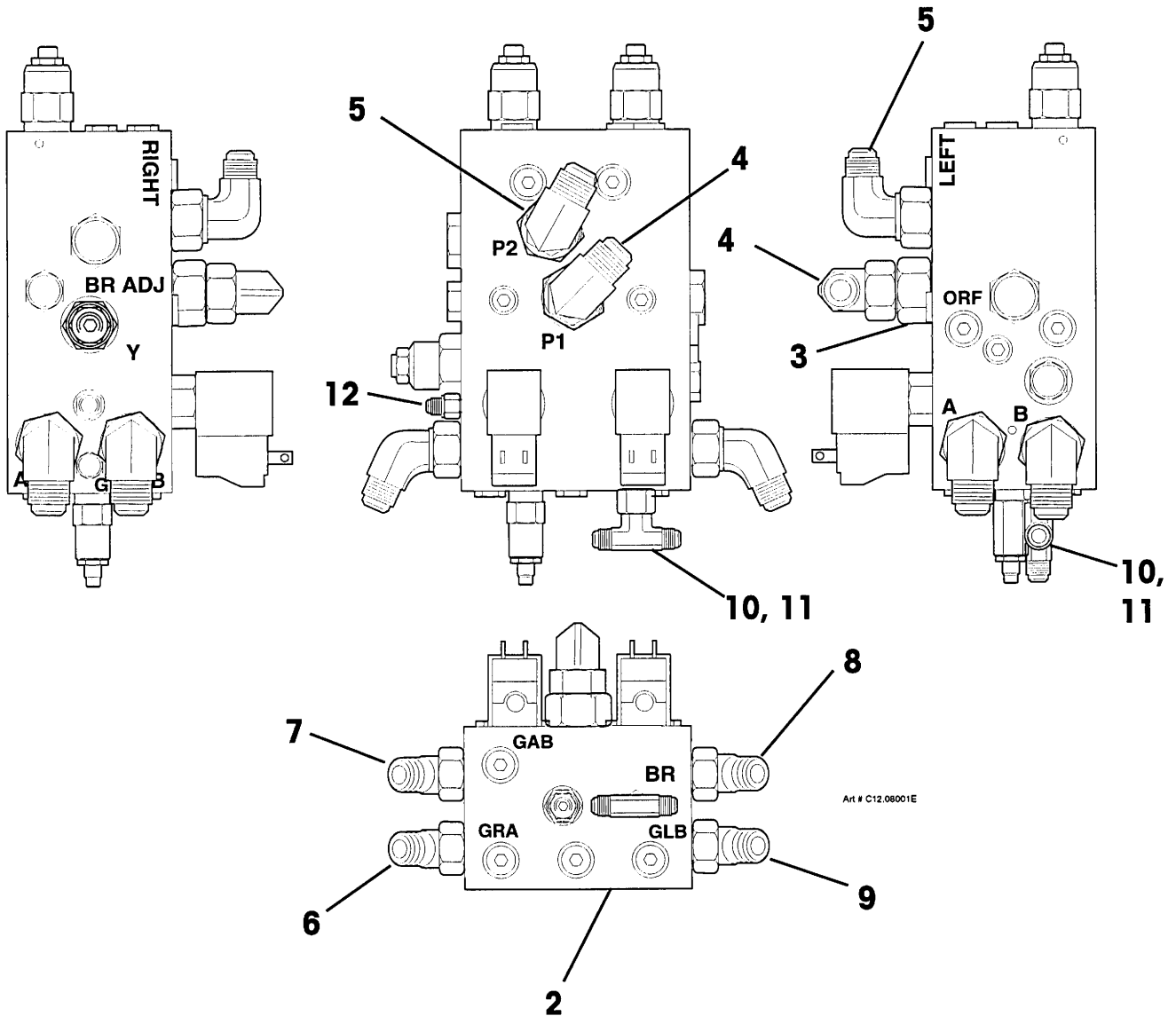
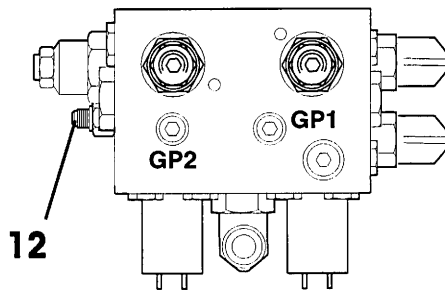
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 3080		DRIVE VALVE ASSEMBLY (For Two Wheel Drive versions)	1
2	01-238300		VALVE BLOCK ASSEMBLY, DRIVE	1
3	06-041400		Port "P1": ADAPTER, "O"-RING TO 37° (16 F50X-S)	1
4	06-052000		90° ELBOW, SWIVEL NUT (16 C6X-S)	1
5	06-045800		Port "P2": 90° ELBOW, "O"-RING TO 37° (16 C50X-S)	1
6	06-047400		Port "A" (Right side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1
7	06-047400		Port "B" (Right side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1
8	06-047400		Port "A" (Left side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1
9	06-047400		Port "B" (Left side): 45° ELBOW, "O"-RING TO 37° (12 V50X-S)	1
10	06-090300		Port "BR" (Brake): REDUCER/ EXPANDER (6-4 F50G5-S)	1
11	06-049800		BRANCH TEE, "O"-RING TO 37° (4 S50X-S)	1
12	06-039800		Port "Y" (Drain): ADAPTER, "O"-RING TO 37° (6 F50X-S)	1
The following items are not included with the Drive Valve Assembly:				
13	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	4
14	07-062016		WASHER, FLAT (3/8")	4
15	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4

TITLE **DRIVE VALVE ASSEMBLY (TWO WHEEL DRIVE), MPH 80**

SECTION **C12.** | PLATE NO **08** | PAGE **01** | REV. **-** | DATED **08 MAY, 1997** | PART NO. **355 3080**

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Art # C12.08001E

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TITLE

DRIVE VALVE ASSEMBLY (TWO WHEEL DRIVE), MPH 80

PART NO. 355 3080

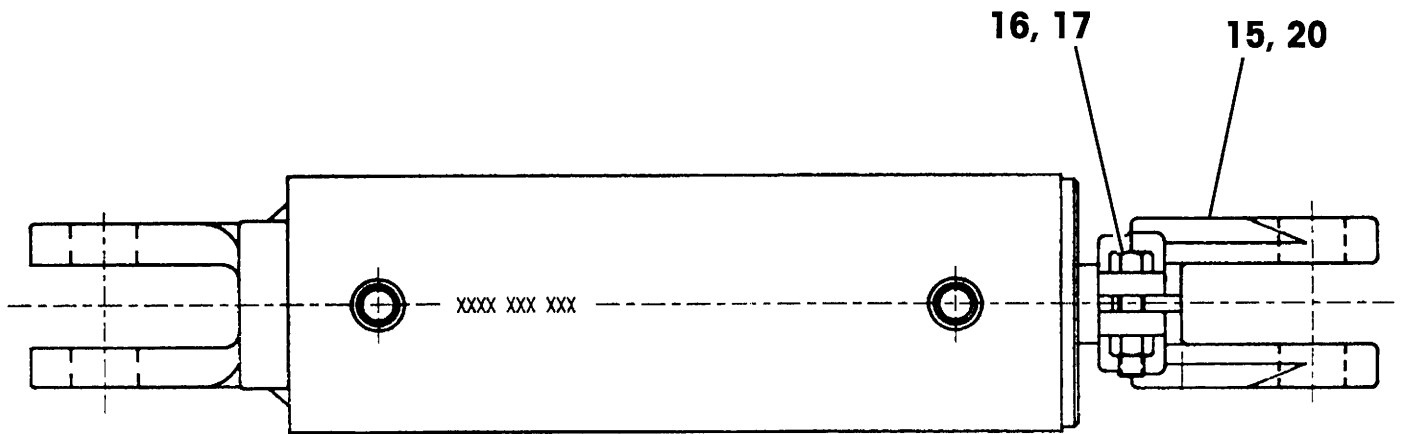
REV. - DATED 08 MAY, 1997

SECTION C12.

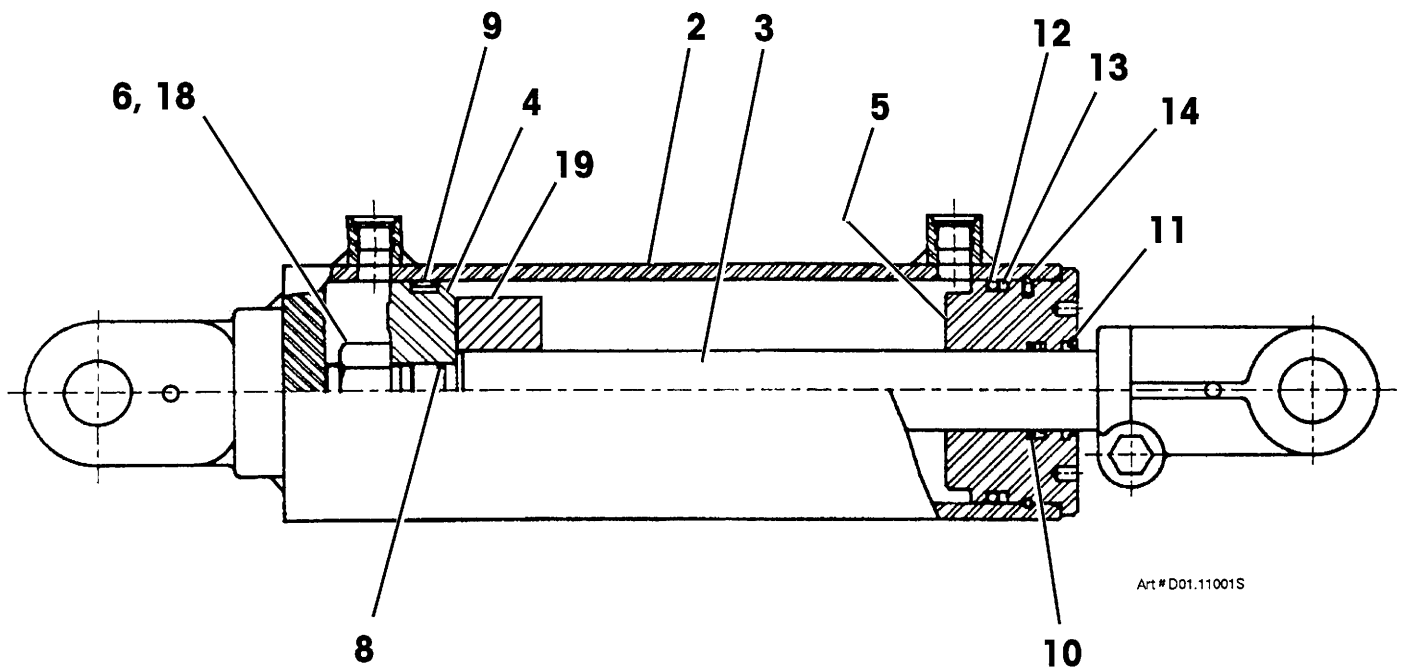
PLATE NO. 08

PAGE 01

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1			STEER CYLINDER ASSEMBLY (7-1/2" [190 mm] stroke, 3-1/2" [89 mm] bore, 1-1/4" [31.8 mm] rod, [2] 9/16"-18 UNF "O"-Ring ports).		
	04-035300 232 8190		Standard cylinder, for all models except as listed below. Modified cylinder (drilled for "L" shaped keeper pins), for models MPH 80, MP 95, MP 110 after Jan., 1994.	1	1
	217 4010		Modified cylinder (with spacers installed), for models MPH 60, MP 60Z, MP 70 or MP 80, and all four wheel drive versions.	1	1
2			BODY, CYLINDER	1	1
3	04-035302		ROD, CYLINDER	1	1
4	04-035303		PISTON	1	1
5			GUIDE, PISTON ROD	1	1
6	04-035304		NUT, LOCK (7/8"-14) (replaced by item 18 for some models)	1	1
7	04-035301		SEAL KIT	1	1
8			SEAL, "O"-RING (3/4" [19 mm] I.D.)	1	1
9			SEAL, "DURA-PAK" (3-1/2" [89 mm] O.D.)	1	1
10			SEAL, "U" CUP (1-1/4" [32 mm] I.D.)	1	1
11			RING, WIPER (1-1/4" [32 mm] I.D.)	1	1
12			SEAL, "O"-RING (3-1/2" [89 mm] O.D.)	1	1
13			RING, BACKUP	1	1
14			RING, RETAINING (Round)	1	1
15	04-035305		CLEVIS, ROD (without hole for keeper pin) (replaced by item 20 for some models)	1	1
16	07-003048		CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)	1	1
17	07-040016		NUT, HEX (3/8"-16, Grade 5)	1	1
			The following items are required on certain units (see above):		
18	217 1710		SPACER, BASE (replaces lock nut, item 6) (1-3/16" [30 mm] long) for cylinder assembly 217 4010	1	1
19	217 1730		SPACER, ROD (.19" [4.8 mm] thick) for cylinder assembly 217 4010	1	1
20	No part #		CLEVIS, ROD (04-035305 drilled for keeper pin, for cylinder 232 8190. Please specify modified clevis required.)	1	1
TITLE				STEER CYLINDER	
SECTION	D01.	PLATE NO.	11	PAGE	01
REV.	-	DATED	15 JUN, 1994	PART NO.	
				Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Art # D01.11002S



Art # D01.11001S

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TITLE

STEER CYLINDER

PART
NO.

REV.
-

DATED
15 JUN, 1994

SECTION
D01.

PLATE NO. 11

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PARTS LIST

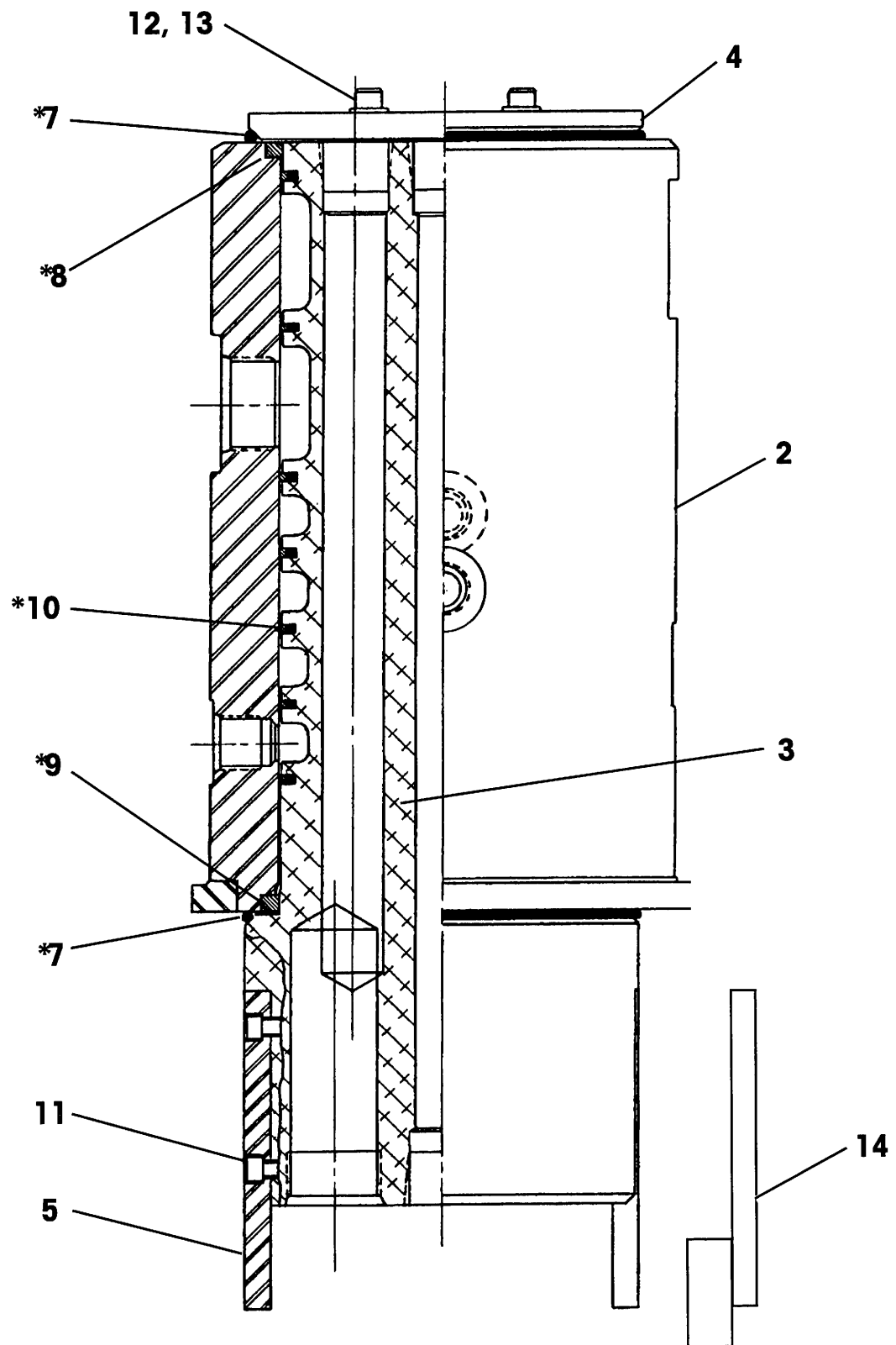
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-008700 235 1600		HYDRAULIC SWIVEL For all versions except as listed below For Model RP 86 or T-80	1
2			HOUSING, HYDRAULIC SWIVEL	1
3			SPOOL	1
4			RETAINER PLATE	1
5	04-008703 236 0930		ARM, TORQUE Standard 8" (203 mm) long arm for Swivel 04-008700 4" (102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

TITLE

HYDRAULIC SWIVEL

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



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

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TITLE

HYDRAULIC SWIVEL

PART
NO.

REV.

DATED

22 APR., 1996

SECTION

D02.

PLATE NO.

01

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PARTS LIST

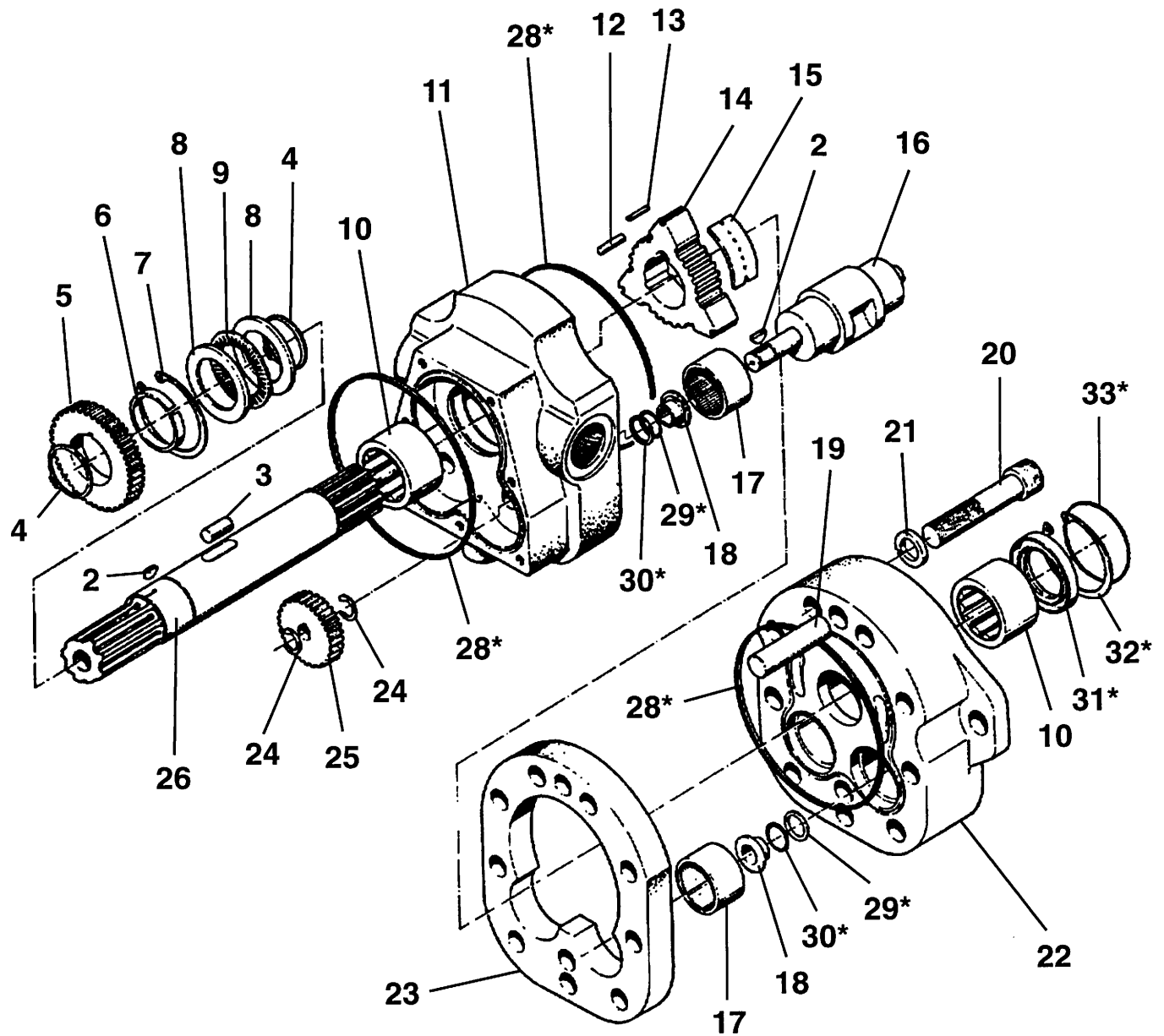
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR ASSEMBLY (See plate 2 of 2 for brake)	1
2	01-000430		KEY, WOODRUFF	3
3			PIN, DRIVE	1
4	01-000443		RING, RETAINING	2
5	01-000439		GEAR, DRIVE	1
6	01-000431		WASHER, SPACER	1
7	01-000444		RING, RETAINING	1
8	01-000423		RACE, BEARING	2
9	01-000422		BEARING, THRUST	1
10	01-000436		BEARING, NEEDLE	2
11			CAP, END (Rear)	1
12			ROLLER, TIP SEAL [3" (76.2 mm) long]	3
13			ROLLER, BODY SEAL [3" (76.2 mm) long]	18
14			ROTOR [3" (76.2 mm) wide]	1
15			PLATE, SEAL [3" (76.2 mm) wide]	3
16			VALVE, ABUTMENT	2
17	01-000438		BEARING, NEEDLE	4
18	01-000425		BEARING, STEP	4
19			PIN, DOWEL	2
20			CAP SCREW, SOCKET HEAD	9
21			WASHER, HELICAL LOCK	9
22	01-000440		CAP, END (Front) (SAE "B")	1
23			HOUSING, DISPLACEMENT	1
24	01-000442		RING, RETAINING	4
25	01-000420		GEAR, PINION	2
26			SHAFT, MOTOR (Spline both ends, for use with brake)	1
27	01-000401		SEAL KIT, MOTOR	1
28			Note: Items included in seal kit marked by asterisk (*)	
29			SEAL, OIL	3
30	01-000428		"O"-RING	4
31			RING, BACK UP	1
32	01-000445		SEAL, SHAFT	1
33			RING, RETAINING	1
			"O"-RING	1

TITLE WHEEL MOTOR/ BRAKE (MOTOR, 5 IN.³, PLATE 1 OF 2)

PLATE NO. D03.09 **SIMON AERIALS INC.**

REV. 14 JUN., 1994

PART NO. 01-064200



TITLE

WHEEL MOTOR/ BRAKE (MOTOR, 5 IN.³, PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 14 JUN., 1994

PART
NO.

01-064200

PLATE
NO.

D03.09

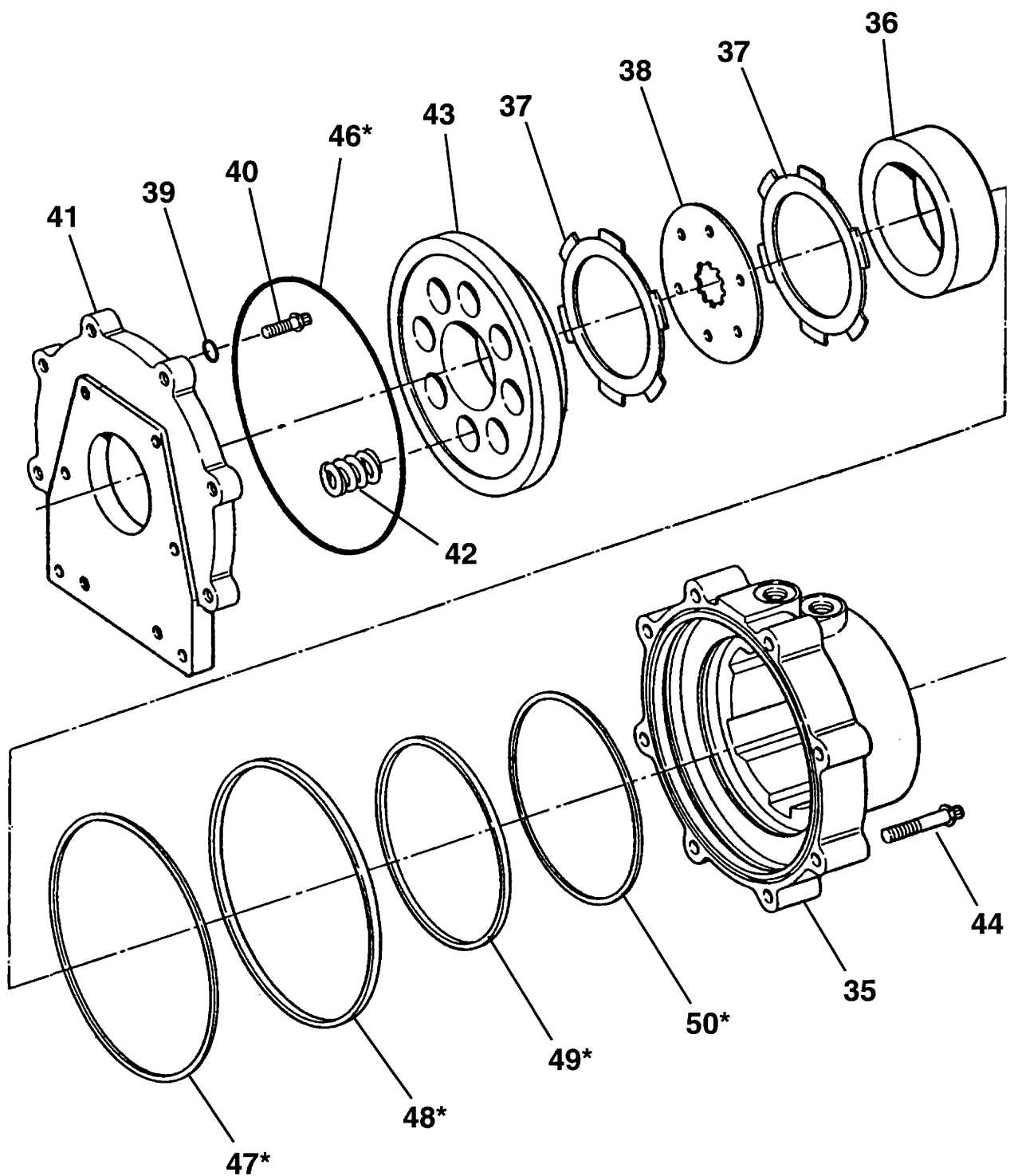
PARTS LIST

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TITLE	WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)
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PLATE NO.	D03.09	SIMON AERIALS INC.	REV. 14 JUN., 1994
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PART NO. 01-064200



TITLE

WHEEL MOTOR/ BRAKE (BRAKE, PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 14 JUN., 1994

PART
NO.

01-064200

PLATE
NO.

D03.09

PARTS LIST

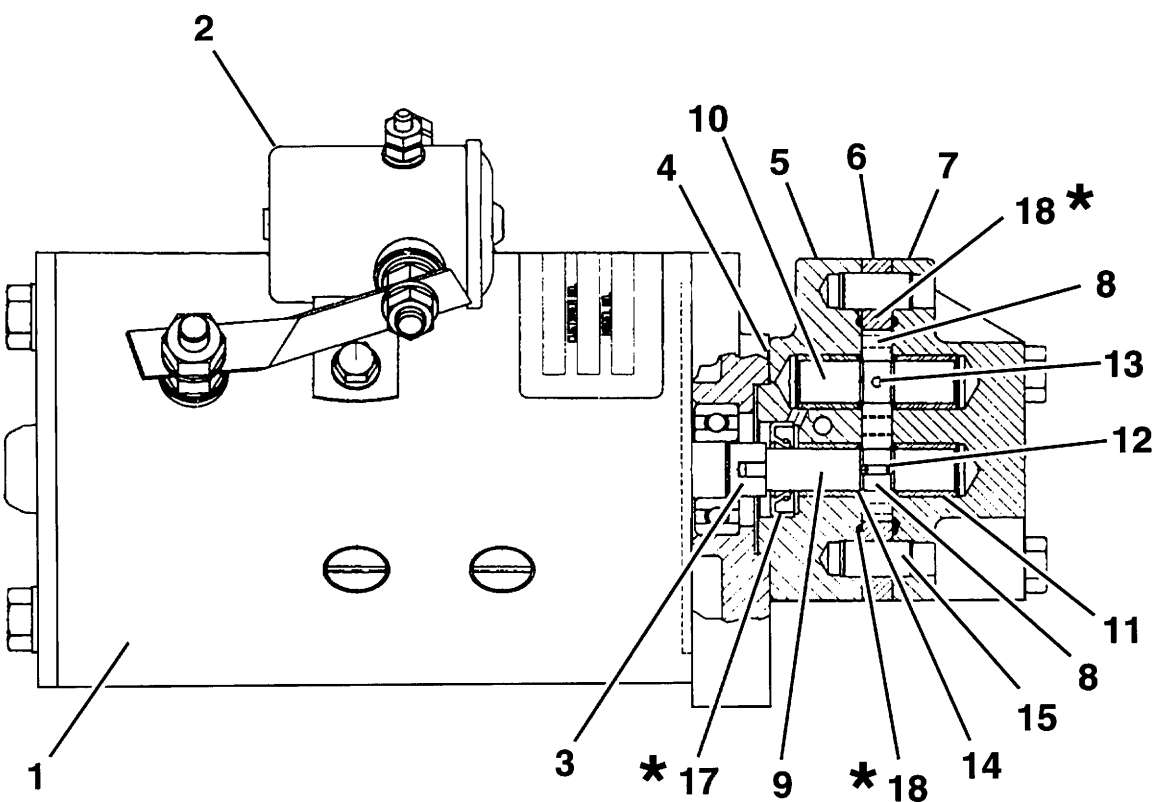
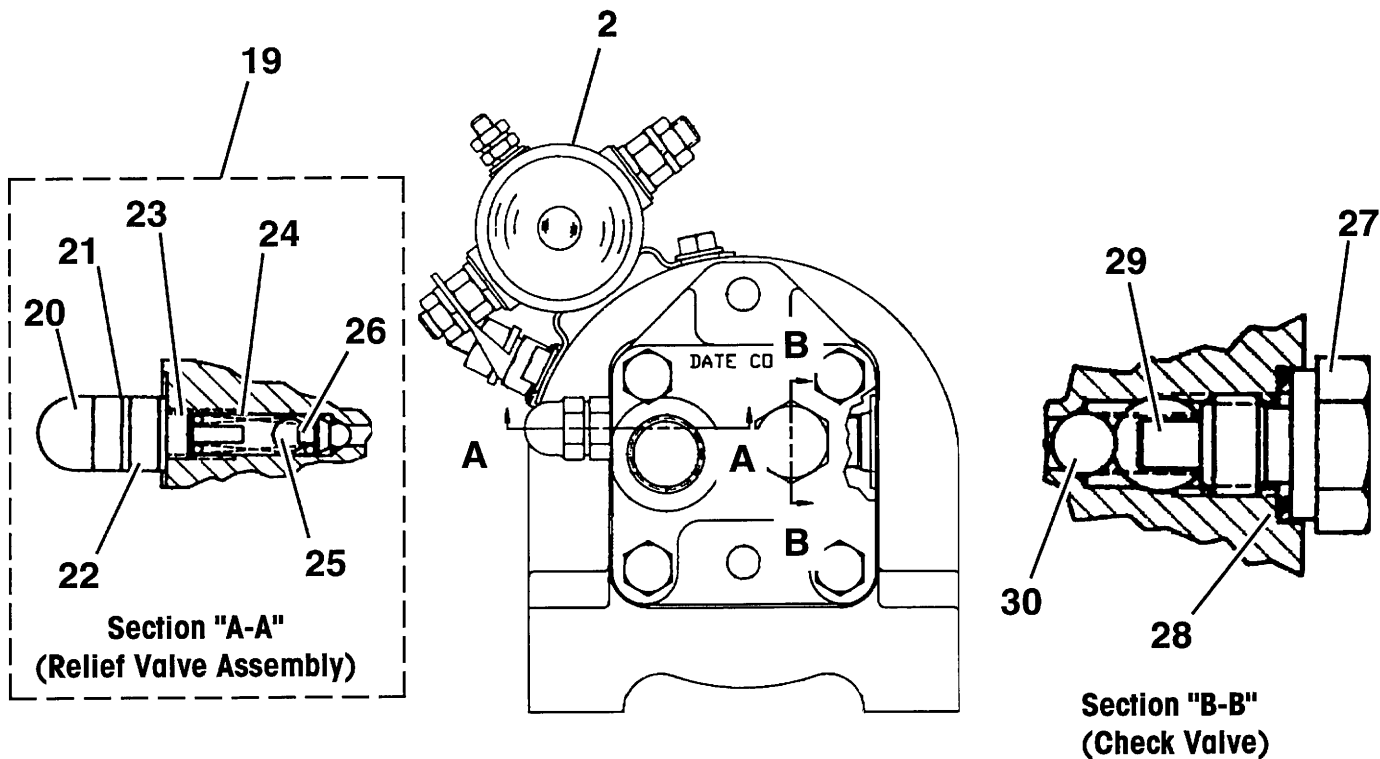
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-224901		MOTOR, ELECTRIC PUMP	1
2	01-224902		RELAY, SOLENOID	1
3	01-027205		COUPLING, PUMP	1
4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	1
6			CASE	1
7			PLATE, END	1
8			GEAR	2
9			SHAFT, DRIVE	1
10			SHAFT, IDLER	1
11			BEARING	4
12			KEY, DOWEL	1
13			BALL	1
14			RING, RETAINING	4
15			PIN, DOWEL	2
16			SEAL KIT	1
			Note: Items in seal kit are identified by asterisk (*).	
17	*		SEAL, SHAFT	1
18	*		O-RING	4
19			RELIEF VALVE ASSEMBLY	1
20			NUT, ACORN	1
21			GASKET, METAL	1
22			NUT, HEX JAM	1
23			SCREW, ADJUSTING	1
24			SPRING	1
25			GUIDE, SPRING	1
26			BALL	1
27			CAP, VALVE	1
28			WASHER, SEALING	1
29			SPRING	1
30			BALL	1

TITLE

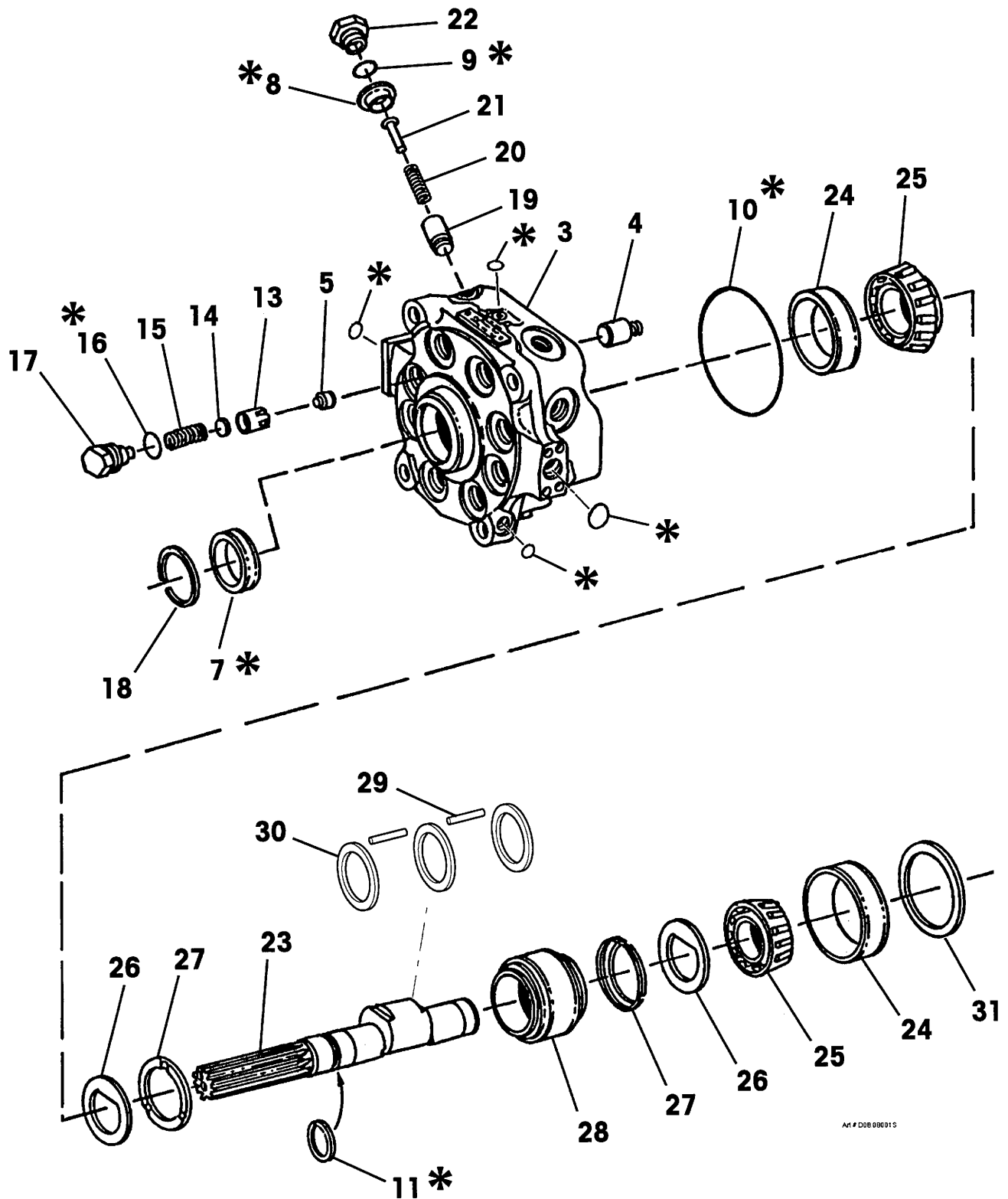
EMERGENCY PUMP

SECTION **D07.** PLATE NO. **101** PAGE **01** REV. - DATED 08 SEP., 1995 PART NO. **01-224 900**

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PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	01-206900		PUMP ASSEMBLY, HYDRAULIC Note: These are "Type 2" pumps, with unitized control valve design. HPR 40 (marked "**ROPV 312 XXXXXX*" and "24 71 R11531")	1	
2	01-019500		HPR 50 (marked "**ROPV 322 XXXXXX*" and "24 72 R11531")		
	01-018700		HPR 65 (marked "**ROPV 332 XXXXXX*" and "24 73 R11531")		
			HOUSING ASSEMBLY, PUMP	1	
3			HOUSING, PUMP	1	
4	01-019519		VALVE, INLET	8	
5	01-019518		SEAT, DISCHARGE VALVE	8	
6	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1	
7	01-002605	*	SEAL, OIL	1	
8		*	SHIELD (plastic)	8	
9	01-019512	*	"O"-RING	8	
10	01-018704	*	"O"-RING, CENTER HUB	1	
11	01-018705	*	RING, SEALING	1	
12			VALVE, DISCHARGE	8	
13	01-019517		GUIDE, VALVE	1	
14	01-018715		DISC, DISCHARGE VALVE	1	
15	01-019516		SPRING	1	
16	01-019515	*	"O"-RING	1	
17			PLUG, DISCHARGE VALVE	1	
18	01-019503		RING, SNAP	1	
19	01-019514		PISTON	8	
20	01-019513		SPRING, PISTON	8	
21	01-019520		PIN, COOLING	8	
22			PLUG, PISTON	8	
23			SHAFT, PUMP	1	
	01-019506		for Model HPR 40		
	01-018708		for Model HPR 50		
			for Model HPR 65		
24	01-019504		CUP, PUMP SHAFT BEARING	2	
25	01-019505		CONE AND ROLLER, PUMP SHAFT BEARING	2	
26	01-018710		SPACER	2	
27	01-019510		WASHER, THRUST	2	
28	01-019508		RACE, BEARING	1	
29	01-019507		ROLLER, NEEDLE	50	
30	01-019521		SPACER, NEEDLE ROLLER	3	
31	01-019509		SHIM (0.15 mm)	A.R.	
			SHIM (0.25 mm)	A.R.	
TITLE				HYDRAULIC PUMP ASSEMBLY	
SECTION	D08.	PLATE NO.	13	PAGE	01
REV.	A	DATED	08 OCT., 1996	PART NO.	
				Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Alt # D08 08015

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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

PLATE NO.

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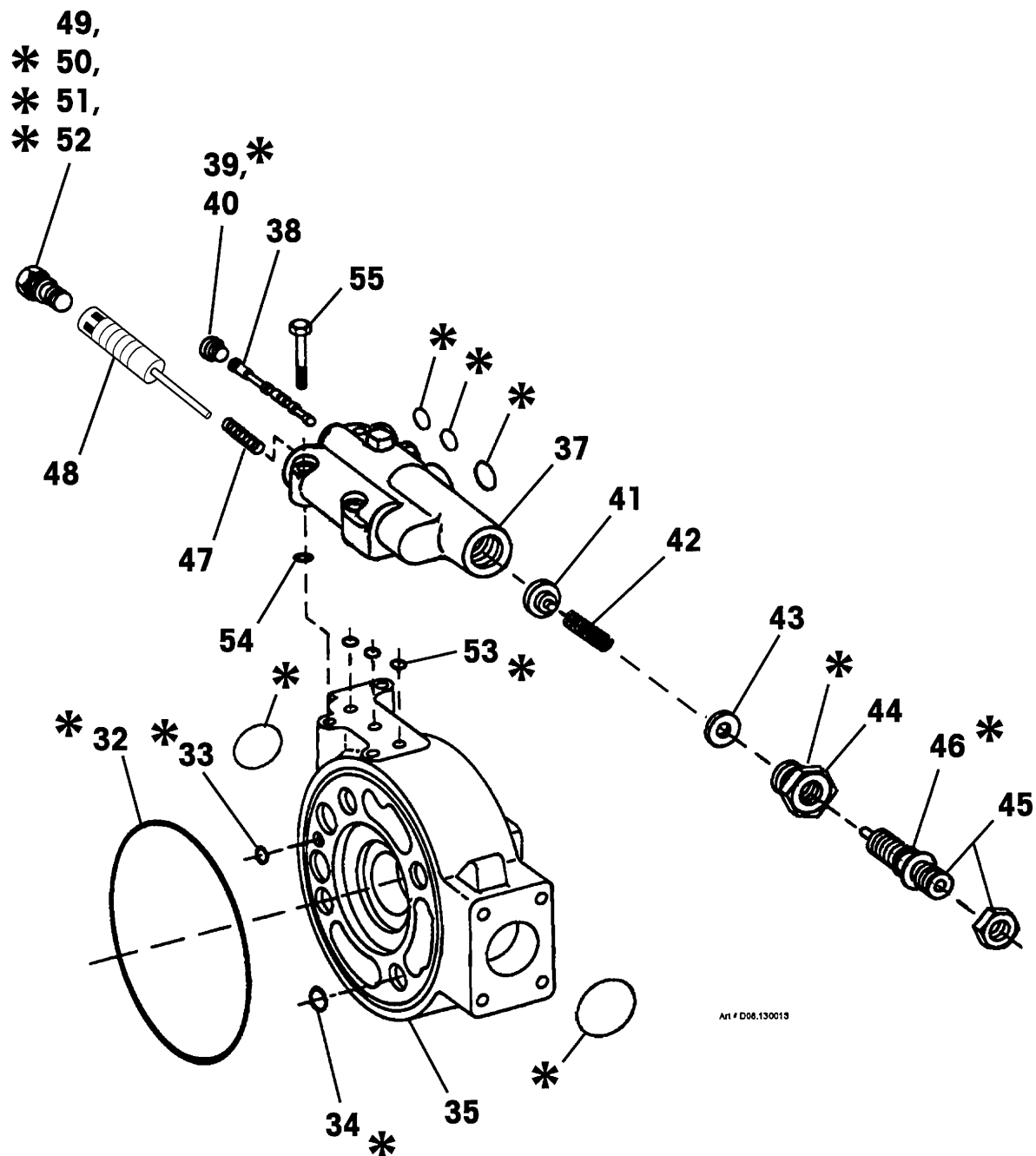
PARTS LIST

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

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

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

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Art # D08.130013

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TITLE

HYDRAULIC PUMP ASSEMBLY (UNITIZED CONTROL VALVE)

PART
NO.

REV.

A

DATED

08 OCT., 1996

SECTION

D08.

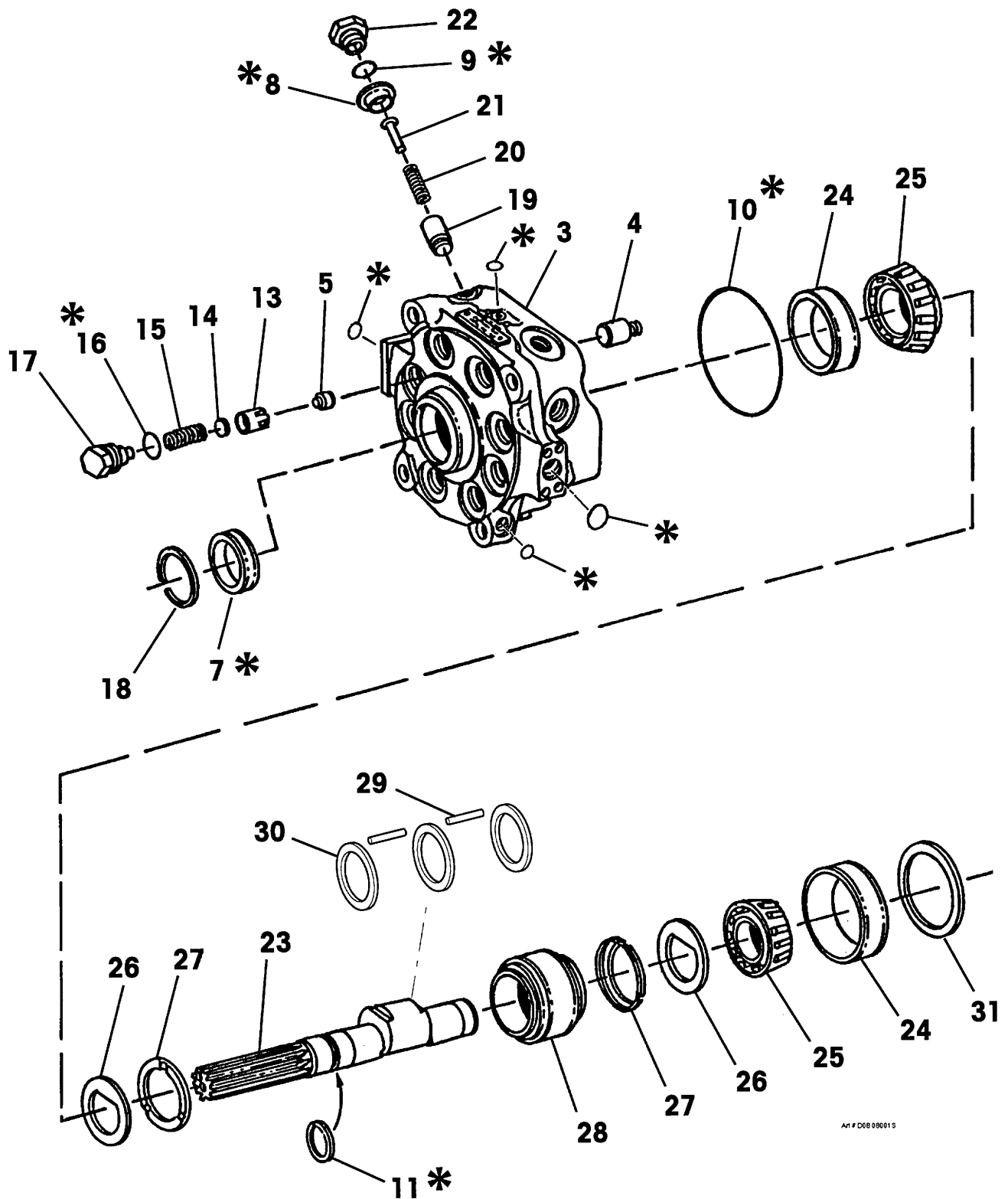
PLATE NO.

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PAGE

02

PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
			The following items are not included with the Hydraulic Pump:		
			Suction Fittings:		
56	06-214400		FLANGE, SUCTION FITTING (2" SAE flange) (32 CFHC) (includes two halves and mounting hardware)	1	
57	06-216100 06-196900		FITTING, SUCTION 90°, 2" stem to 2" hose (32 C4-32 FL90) 90°, 2" SAE flange to 2" hose (23867-32-32 FC) (Obsolete. Use 06-216100 and 06-214400.)	1	
	06-214300		90°, 2" stem to 1-1/2" hose (24-32 FL90)		
	06-195700		90°, 2" SAE flange to 1-1/2" hose (23867-24-32 FC) (Obsolete. Use 06-214300 and 06-214400.)		
	06-216200 06-195600		45°, 2" stem to 1-1/2" hose (24-32 FL45) 45°, 2" SAE flange to 1-1/2" hose (23868-24-32 FC) (Obsolete. Use 06-216200 and 06-214400.)		
			Pressure Fittings:		
58	06-213800		FLANGE KIT, PRESSURE FITTING (16 CFHS-87989) (includes two halves and mounting hardware)	1	
59			ADAPTER, STEM	1	
	06-213900 06-215700 06-202100		(16 FL5K-12MJ90) (16 FL5K-16MJ90) FITTING, COMPANION FLANGE (L1-16-16S-30) (Obsolete. Use 06-213800 and 06-213900.)		
61	06-195800 06-215800		FITTING KIT, FLANGE (SAE #16, 4 bolt) (5151 HK-16) (Obsolete.) 45° ELBOW, "O"-RING TO 37° (10 V50X-S)	1	
TITLE				HYDRAULIC PUMP ASSEMBLY	
SECTION D08. PLATE NO. 13 PAGE 03 REV. A DATED 08 OCT., 1996 PART NO.				Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



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TITLE

HYDRAULIC PUMP ASSEMBLY

PART NO.

REV.

A

DATED

08 OCT., 1996

SECTION

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PLATE NO.

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PARTS LIST

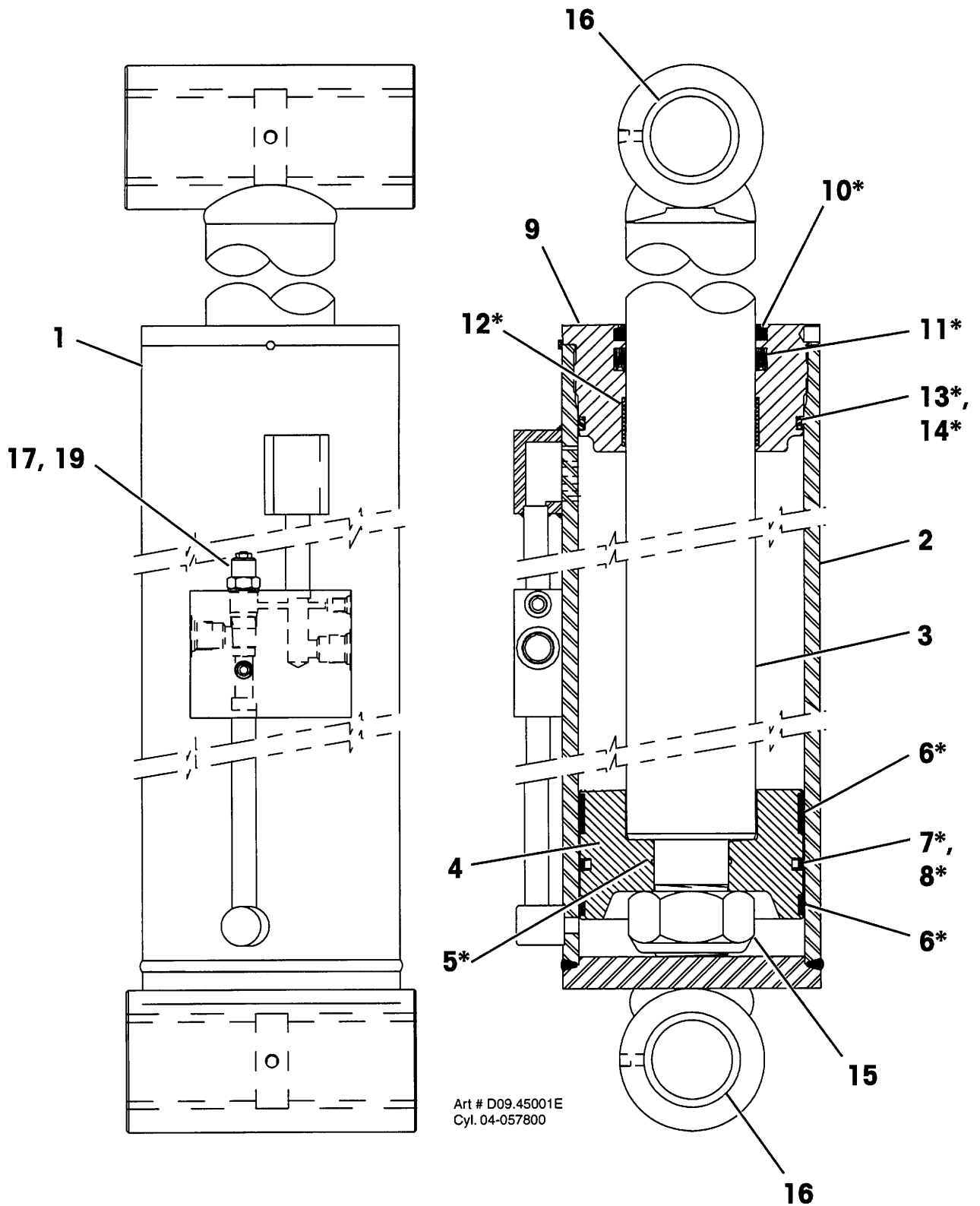
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04057800" stamped on cylinder wall.	
1	04-057800		CYLINDER ASSEMBLY, BOOM LIFT For Models MPH 80, MP 95, RP120 "Reach Plus" (without pads for boom angle sensors)	1
2			CASE, CYLINDER (Barrel Assembly)	1
3			ROD , CYLINDER	1
4			PISTON ASSEMBLY	1
5	*		"O"-RING	1
6	*		RING, PISTON WEAR	3
7	*		"O"-RING	1
8	*		SEAL, PISTON	1
9			GLAND, HEAD (Rod Bearing Assembly)	1
10	*		WIPER, ROD	1
11	*		SEAL, ROD	1
12	*		RING, ROD WEAR	1
13	*		"O"-RING	1
14	*		RING, BACKUP	1
15			NUT, PISTON ROD	1
16			BUSHING	4
17	04-028304		VALVE, COUNTERBALANCE (marked "CBCG-LHN") (4.5:1 pilot ratio, factory set at 4900 psi [338 bar] [344.5 kg/cm ²])	1
			The following items are not part of the cylinder assembly:	
18	04-057801		SEAL KIT (not for use with water-glycol hydraulic fluid)	
			Note: Items in kit identified by asterisk (*).	1
19	04-028303		SEAL KIT, COUNTERBALANCE VALVE	1

TITLE

LIFT CYLINDER, 62.0" (1.58 M) STROKE

SECTION **D09.** PLATE NO. **45** PAGE **01** REV. **-** DATED **15 MAY, 1997** PART NO. **04-057800**

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TITLE

LIFT CYLINDER, 62.0" (1.58 M) STROKE

PART NO.

04-057800

REV. -

DATED
15 MAY, 1997

SECTION

D09.

PLATE NO.

45

PAGE

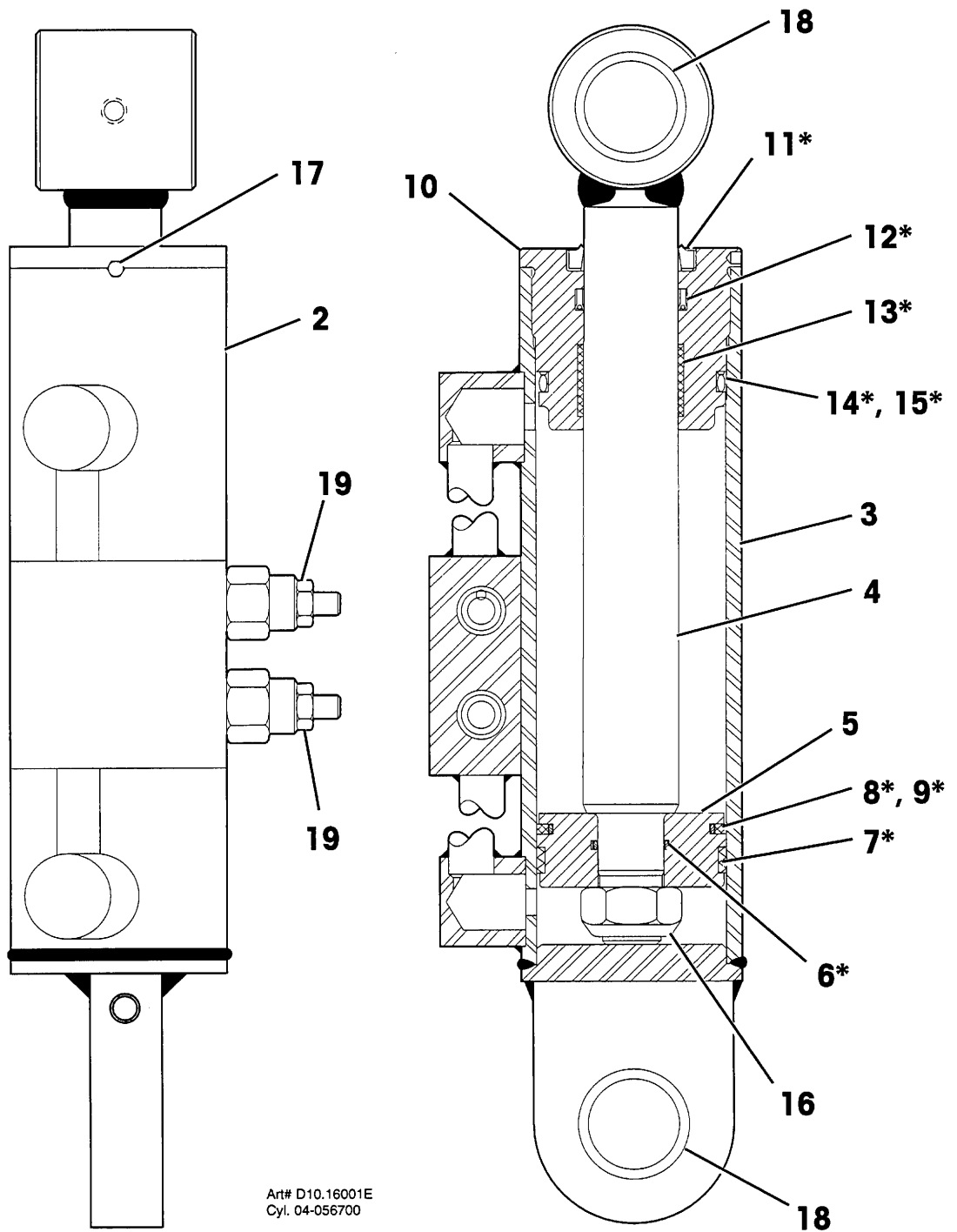
01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04056700" stamped on cylinder wall.	
1	04-056700		MASTER LEVEL CYLINDER ASSEMBLY	1
2			MASTER LEVEL CYLINDER	1
3			CASE, CYLINDER (Barrel Assembly)	1
4			ROD, CYLINDER	1
5			PISTON ASSEMBLY	1
6	*		"O"-RING	1
7	*		RING, PISTON WEAR	1
8	*		SEAL, PISTON	1
9	*		WASHER, BACKUP	1
10			GLAND, HEAD (Rod Bearing Assembly)	1
11	*		WIPER, ROD	1
12	*		SEAL, ROD	1
13	*		RING, ROD WEAR	1
14	*		"O"-RING	1
15	*		RING, BACKUP	1
16			NUT, PISTON ROD	1
17			SCREW, ROD BEARING LOCKING	1
18			BUSHING	4
19	04-056302		VALVE, RELIEF (marked "RDDA-LAN") (factory set at 3000 psi [207 bar] [211 kg/ cm ²])	2
			The following item is not part of the cylinder assembly:	
20	04-056301		SEAL KIT (not for use with water-glycol hydraulic fluid)	1
			Note: Items in kit identified by asterisk (*).	

TITLE MASTER LEVEL CYLINDER, 17-3/4" (.45 M) STROKE					
SECTION	D10.	PLATE NO.	16	PAGE	01
REV.	-	DATED	30 APR., 1997	PART NO.	04-056700

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TITLE

MASTER LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

PART
NO.

04-056700

REV.

-

DATED

30 APR., 1997

SECTION

D10.

PLATE NO.

16

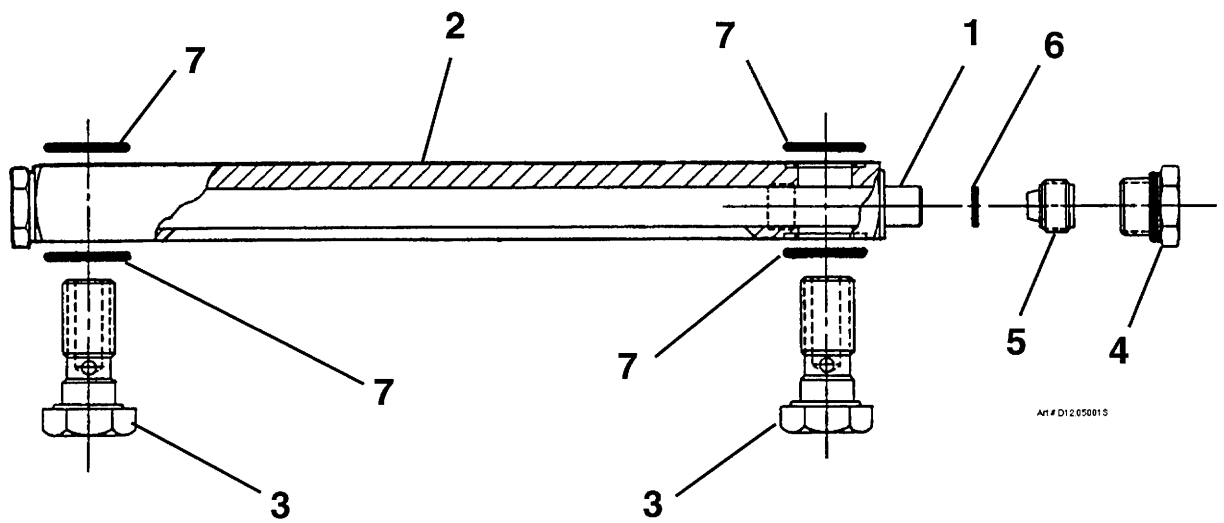
PAGE

01

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SIGHT GAUGE, 14"

PART NO. 10-033800



Art # D12050815

TITLE

SIGHT GAUGE, 14"

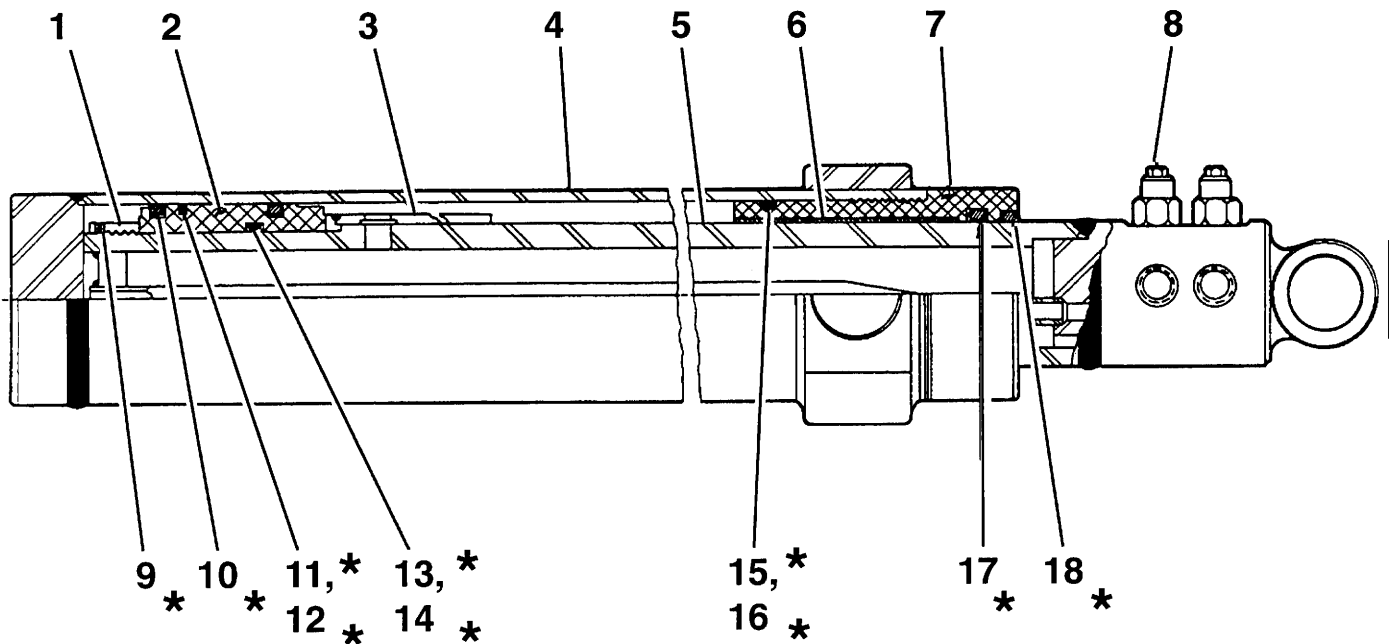
SIMON AERIALS INC.

REV. 05/02/91

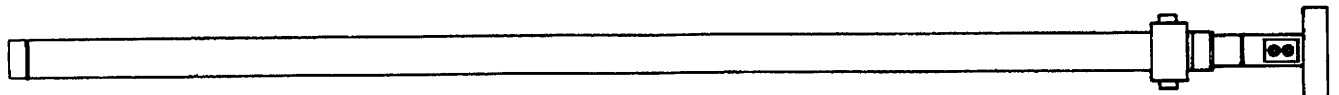
PART NO. 10-033800

PLATE NO. D12.05

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Note: Items in seal kit (Item 19) identified by asterisk (*).



TITLE

TELESCOPE (EXTEND) CYLINDER

SIMON AERIALS INC.

REV. 10/01/90

PART NO. 04-011000

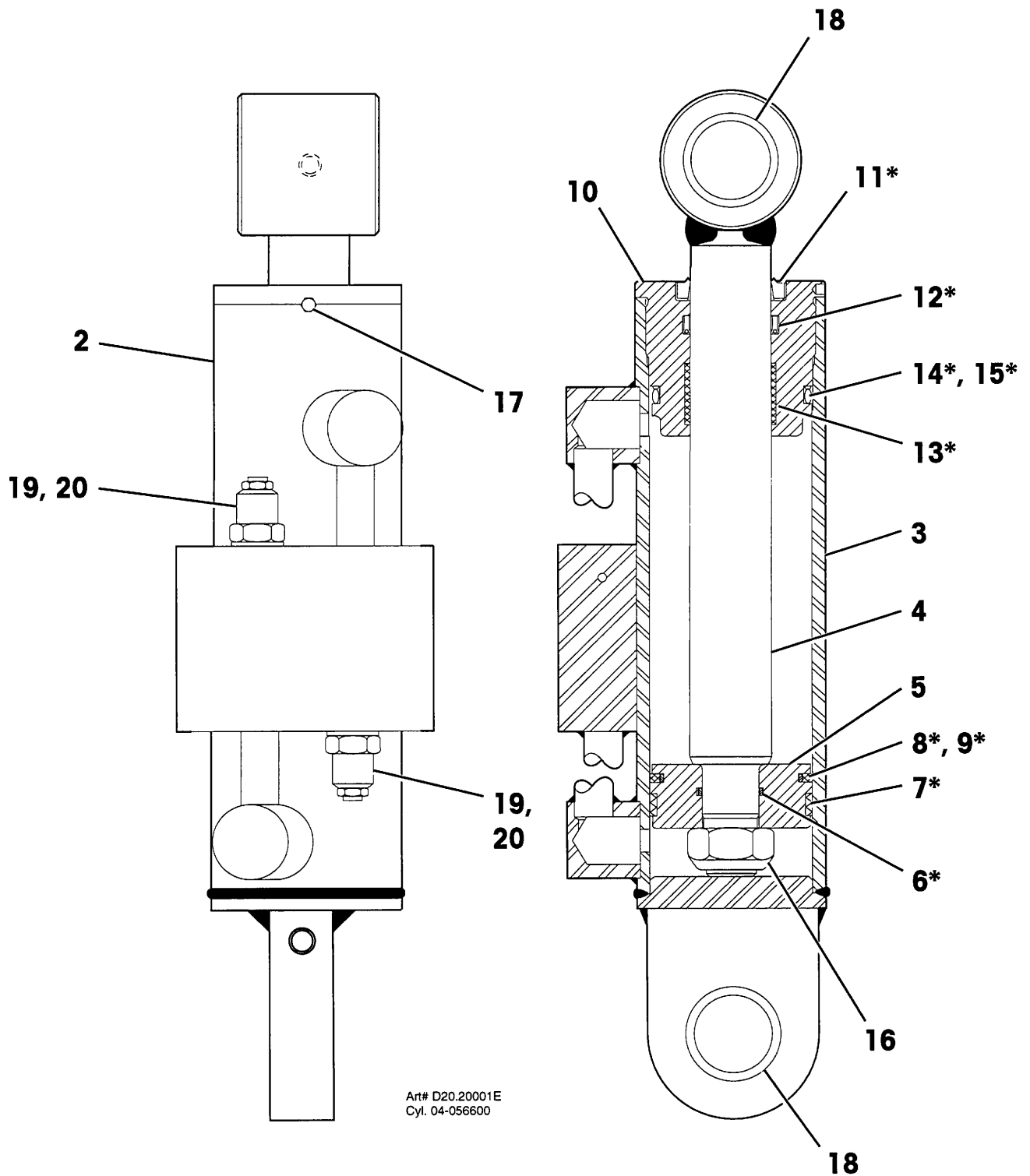
PLATE NO. D19.27

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04056600" stamped on cylinder wall.	
1	04-056600		SLAVE LEVEL CYLINDER ASSEMBLY	1
2			SLAVE LEVEL CYLINDER	1
3			CASE, CYLINDER (Barrel Assembly)	1
4			ROD, CYLINDER	1
5			PISTON ASSEMBLY	1
6	*		"O"-RING	1
7	*		RING, PISTON WEAR	1
8	*		SEAL, PISTON	1
9	*		WASHER, BACKUP	1
10			GLAND, HEAD (Rod Bearing Assembly)	1
11	*		WIPER, ROD	1
12	*		SEAL, ROD	1
13	*		RING, ROD WEAR	1
14	*		"O"-RING	1
15	*		RING, BACKUP	1
16			NUT, PISTON ROD	1
17			SCREW, ROD BEARING LOCKING	1
18			BUSHING	4
19	01-227200		VALVE, COUNTERBALANCE (marked "CBCB-LHN") (factory set at 3000 psi [207 bar] [211 kg/ cm ²])	2
20	01-227201		SEAL KIT, COUNTERBALANCE VALVE	1
			The following item is not part of the cylinder assembly:	
21	04-056301		SEAL KIT (not for use with water-glycol hydraulic fluid) Note: Items in kit identified by asterisk (*).	1

TITLE SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE				
SECTION D20.	PLATE NO. 20	PAGE 01	REV. -	DATED 30 APR., 1997 PART NO. 04-056600

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TITLE

SLAVE LEVEL CYLINDER, 17-3/4" (.45 M) STROKE

PART NO. 04-056600

REV. -

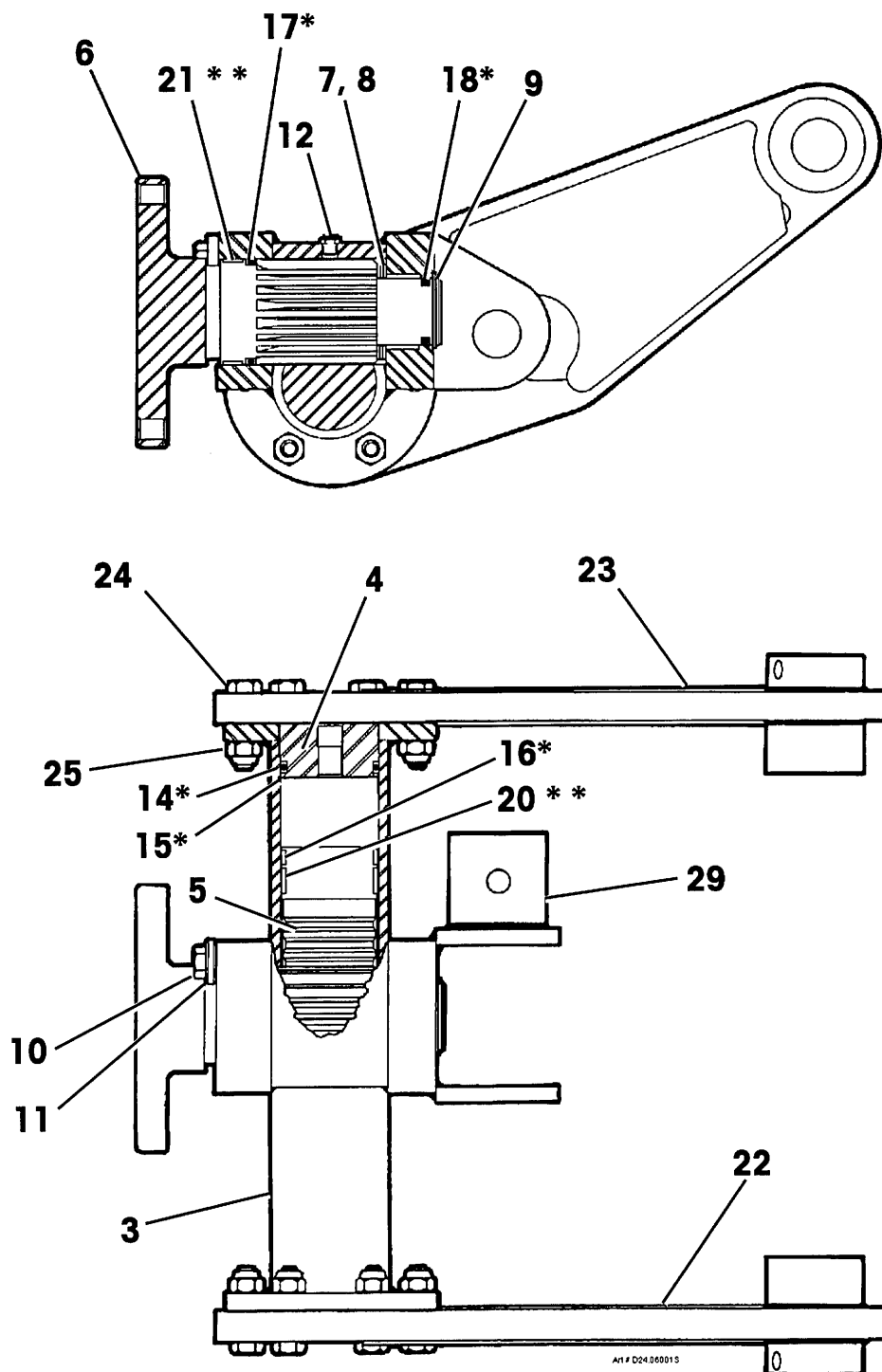
DATED 30 APR., 1997

SECTION D20.

PLATE NO. 20

PAGE 01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 8490 355 3010		ACTUATOR ASSEMBLY, ROTARY (with arms) for MP series with "straight tip" boom for MP series with "bent tip" boom	1
2	354 9190		for MPN series with "straight tip" boom	1
3	02-010600		ACTUATOR ASSEMBLY, ROTARY (without arms)	1
4	02-010605		HOUSING, ROTARY ACTUATOR	1
5	02-010612		CAP, END	2
6	02-010609		RACK	1
7	02-010607		SHAFT, PINION	1
8	02-010604		WASHER	4
9	02-010603		BEARING, NEEDLE	2
10	02-010608		SNAP RING	1
11			BOLT, SAFETY	1
12	02-010606		WASHER, SAFETY	1
13	02-010610		VALVE, RELIEF	1
14			SEAL KIT	1
15			Note: These seal kits are not for use with water-glycol fluid. Items in seal kit are identified by asterisk (*).	
16			"O"-RING	2
17			RING, BACK-UP	2
18			SEAL, RACK	2
19			SEAL, PINION SHAFT (upper)	1
20			SEAL, PINION SHAFT (lower)	1
21	02-010611		BEARING KIT	1
22			Note: Items in kit identified by double asterisk (* *).	
23			WEAR STRIP, RACK	2
24			WEAR STRIP, PINION SHAFT	1
25			ARM, ROTARY ACTUATOR (right)	1
26	230 0660		MP series with "straight tip" boom	
27	219 9260		MP series with "bent tip" boom	
28	219 1370		MPN series with "straight tip" boom	1
29			ARM, ROTARY ACTUATOR (left)	
30	230 0670		MP series with "straight tip" boom	
31	219 9270		MP series with "bent tip" boom	
32	219 1380		MPN series with "straight tip" boom	
33	07-003089		CAP SCREW, HEX HEAD (1/2"-13 x 2", Grade 5)	12
34	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	12
35	210 2940		PIN, PLATFORM PIVOT (1-1/4" x 20")	1
36	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
37	07-050016		NUT, HEX LOCK (3/8"-1, Grade 5)	2
38	208 0459		TUBE, PIN RETAINER	1
TITLE			PLATFORM ROTARY ACTUATOR	
SECTION	D24.	PLATE NO.	11	PAGE 01
REV.	B	DATED	15 MAY, 1997	PART NO. 02-010600
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



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TITLE

PLATFORM ROTARY ACTUATOR

PART NO.

02-010600

REV.

B

DATED

15 MAY, 1997

SECTION

D24.

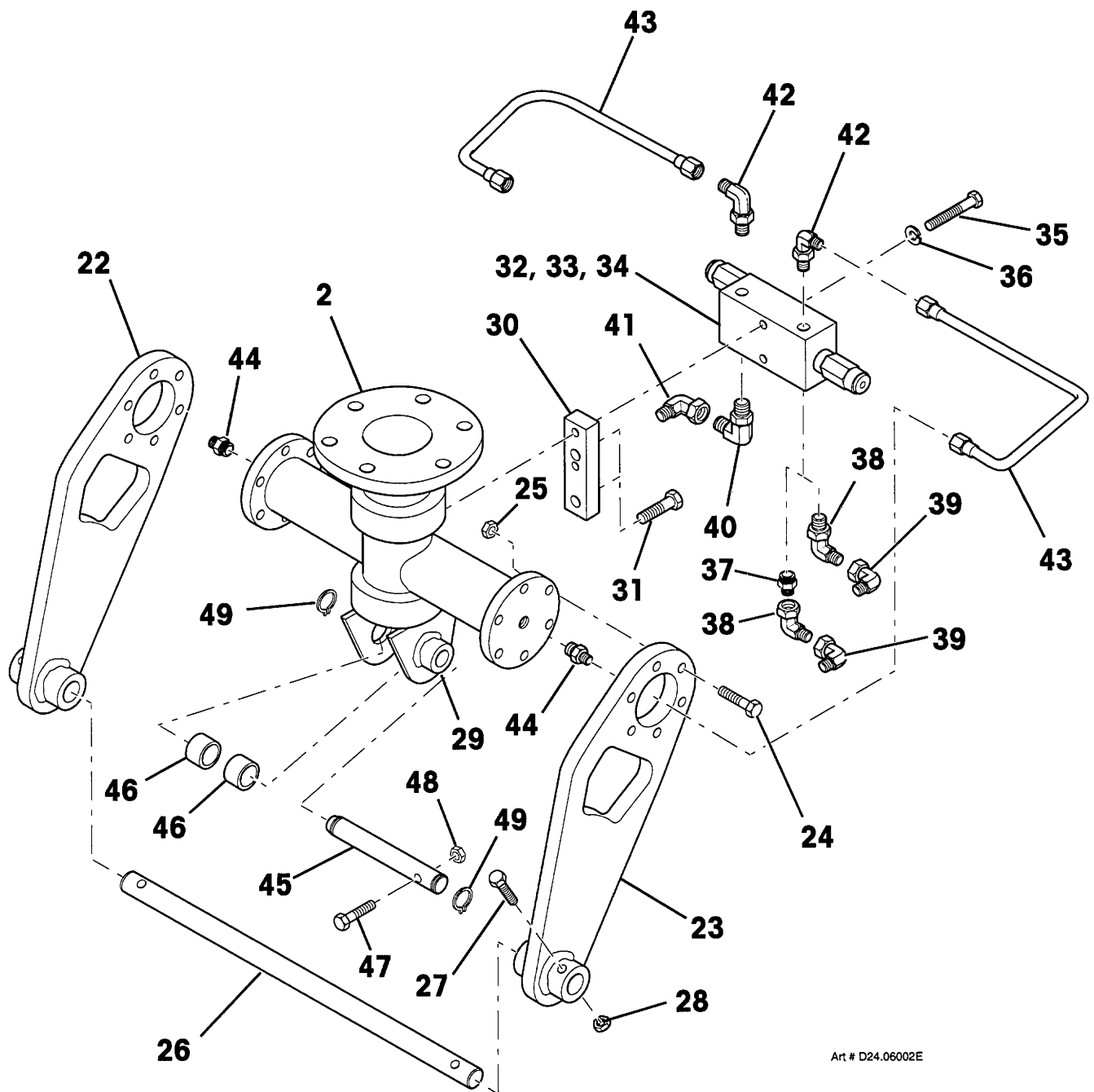
PLATE NO.

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PAGE

01

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included as part of the Rotary Actuator Assembly (with arms):	
30	211 1850		SPACER, RELIEF/ CHECK VALVE MOUNTING	1
31	07-008043		CAP SCREW, SOCKET HEAD (3/8"-16 x 3/4", Grade 8)	2
32	01-202000		MANIFOLD, RELIEF/ CHECK VALVE	1
33	01-202001		CARTRIDGE, RELIEF VALVE	1
34	01-202002		CARTRIDGE, CHECK VALVE	1
35	07-003053		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)	2
36	07-065016		WASHER, HELICAL LOCK (3/8")	2
37	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S) (MPH 80 special application)	1
38	06-044400 06-047000		ELBOW, 90°, "O"-RING TO 37° (4-6 C50X-S) (standard versions) 45°, "O"-RING TO 37° (6 V50X-S) (MPH 60 special application)	1
39	06-051300 06-051300		90°, SWIVEL NUT (4 C6X-S) (MPH 80 special application) 90° ELBOW, SWIVEL NUT 4 C6X-S (standard versions)	1
40	06-051500 06-051300		6 C6X-S (MPH 60 special application) 4 C6X-S (MPH 80 special application) ELBOW, "O"-RING TO 37°	1
	06-044400 06-044600 06-044400		90° ELBOW (4-6 C50X-S) (standard versions) "O"-RING TO 37° (6 C50X-S) (MPH 60 special application) 90° ELBOW (4-6 C50X-S) (MPH 80 special application)	
41	06-051300 06-053000		ELBOW, SWIVEL NUT 90° ELBOW (4 C6X-S) (standard versions) 45° ELBOW (6 V6X-S) (MPH 60 special application)	1
42	06-051300 06-044600		90° ELBOW (4 C6X-S) (MPH 80 special application) 90° ELBOW, "O"-RING TO 37° 6 C50X-S (standard versions)	2
43	237 3610 353 0460		ORIFICED FITTING (special application) (Modified 6 C50X-S with three 0.0135" orifices) TUBE ASSEMBLY	2
44	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	2
45	206 8879		PIN, SLAVE CYLINDER (Rod end) (1.25" x 7.38")	1
46	206 8444		SPACER, SLAVE CYLINDER	2
47	07-003093		CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)	1
48	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	1
49	08-040700		RING, SNAP (1-1/4")	2
TITLE			PLATFORM ROTARY ACTUATOR	
SECTION	D24.	PLATE NO. 11	PAGE 02	REV. B DATED 15 MAY, 1997 PART NO. 02-010600
			Simon Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-800-47-SIMON 24 Hr (Machine) 414-362-8280 Fax 414-355-3172	



Art # D24.06002E

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TITLE

PLATFORM ROTARY ACTUATOR

PART NO.

02-010600

REV. B

DATED 15 MAY, 1997

SECTION

D24.

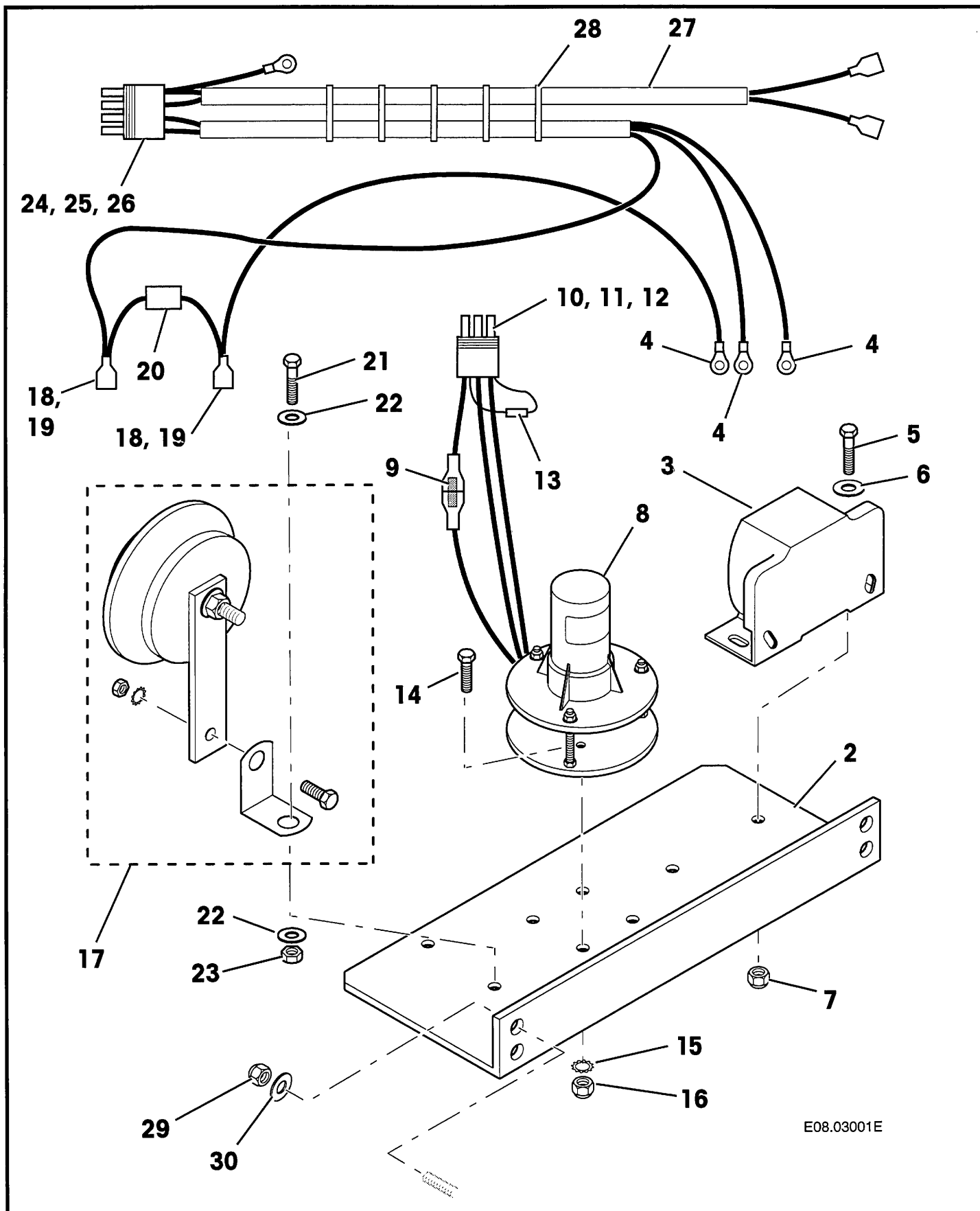
PLATE NO.

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PAGE

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	355 1290		ALARM PACKAGE ASSEMBLY	1
2	205 6021		BRACKET, ALARM MOUNTING	1
			Movement Alarm ...	
3	03-464600		ALARM, MOVEMENT (102 dba, 12/ 24 Volt DC. Marked "Model 530" on vendor label.)	1
4	03-094600		TERMINAL, RING (#10 stud, #14 - #16 ga. wire)	3
5	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
6	07-060014		WASHER, FLAT (1/4", SAE)	2
7	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
			Level Sensor ...	
8	03-487100		SENSOR, LEVEL (4.5°, 2 second delay)	1
9	- - -		FUSE (AGC-1) (1 Amp, 250 Volt, fast blow)	1
10	03-736900		HOUSING, CONNECTOR (3 way, male)	1
11	03-474000		SOCKET, TERMINAL (#14 - #16 ga. wire)	3
12	03-474100		SEAL, WIRE (0.079" - 0.110" dia.)	3
13	03-711000		RESISTOR (2k Ohm, 1/2 Watt)	1
14	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)	2
15	07-111600		WASHER, EXTERNAL TOOTH (1/4")	1
16	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
			Warning Horn ...	
17	03-731300		HORN, WARNING (Single terminal, Low note)	1
18	03-096000		TERMINAL, PIGGYBACK (#14 - #16 ga. wire)	2
19	03-092300		TERMINAL, COUPLING (Female, insulated, #14 - #16 ga. wire)	2
20	03-061800		DIODE, RECTIFIER (600 Volt, 6 Amp)	1
21	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	1
22	07-060014		WASHER, FLAT (1/4", SAE)	2
23	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	1
			Harness ...	
24	03-473800		HOUSING, CONNECTOR (4 way, male)	1
25	03-474000		SOCKET, TERMINAL (#14 - #16 ga. wire)	4
26	03-474100		SEAL, WIRE (0.079" - 0.110" dia.)	4
27	03-085500		CABLE, ELECTRICAL (SJO, #16 AWG) 2 conductor (Bulk item, 1 ft [30.5 cm] required here)	A.R.
	03-085700		4 conductor (Bulk item, 1 ft [30.5 cm] required here)	
28	03-439000		TIE, CABLE (3.62" [92 mm] long)	12
			The following items are not included with the Alarm Package:	
29	07-062014		WASHER, FLAT (1/4")	8
30	07-050014		NUT, LOCK (1/4"-20, Grade 8)	4
TITLE			ALARM PACKAGE	
SECTION	E08.	PLATE NO.	03	PAGE 01
REV.	-	DATED	23 APR., 1997	PART NO. 355 1290
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E08.03001E

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TITLE

ALARM PACKAGE

PART NO.

355 1290

REV.

DATED

23 APR., 1997

SECTION

E08.

PLATE NO.

03

PAGE

01

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Note: Identification tag (on item 34) reads "W3BX50354 ZB"	
1			HUB AND SPINDLE ASSEMBLY	1
2	02-010504		SPINDLE	1
3	02-010503		HUB	1
4	02-000605		SEAL, HUB	1
5	02-000617		CONE AND ROLLER, HUB BEARING (inner)	1
6	02-000632		CUP, HUB BEARING (inner)	1
7	02-000616		CONE AND ROLLER, HUB BEARING (outer)	1
8	02-000633		CUP, HUB BEARING (outer)	1
9	02-000623		SPACER, HUB	1
10	02-000606		RING, RETAINING	1
11			PLUG, PIPE	2
12	02-010502		STUD, WHEEL MOUNTING	10
13	02-000615		COUPLING, MOTOR	1
14	02-000626		RING, RETAINING	1
15	02-000619		RING, RETAINING	1
16	02-000625		SPRING	1
17	02-000627		WASHER	2
18	02-000626		RING, RETAINING	1
19	02-000624		GEAR, INTERNAL	1
20	02-010501		CARRIER ASSEMBLY, PLANETARY	1
21			CASE, CARRIER	1
22	02-000635		SHAFT, PLANET	3
23	02-000637		GEAR, PLANET	3
24	02-000630		ROLLER, NEEDLE	84
25	02-010506		SPACER	3
26	02-010505		WASHER, THRUST	6
27	02-000636		PIN, ROLL	3
28	02-004801		SHAFT, INPUT	1
29	02-000619		RING, RETAINING	1
30			SPACER, THRUST	1
31	02-004803		GEAR, INPUT	1
32	02-004802		SPACER, THRUST	1
33	02-000610		BEARING, THRUST	2
34	02-000609		WASHER, THRUST	4
35	02-000634		GEAR, RING	1
36	02-000607		O-RING	2

TITLE

TORQUE HUB (54:1) (PLATE 1 OF 2)

PLATE
NO.

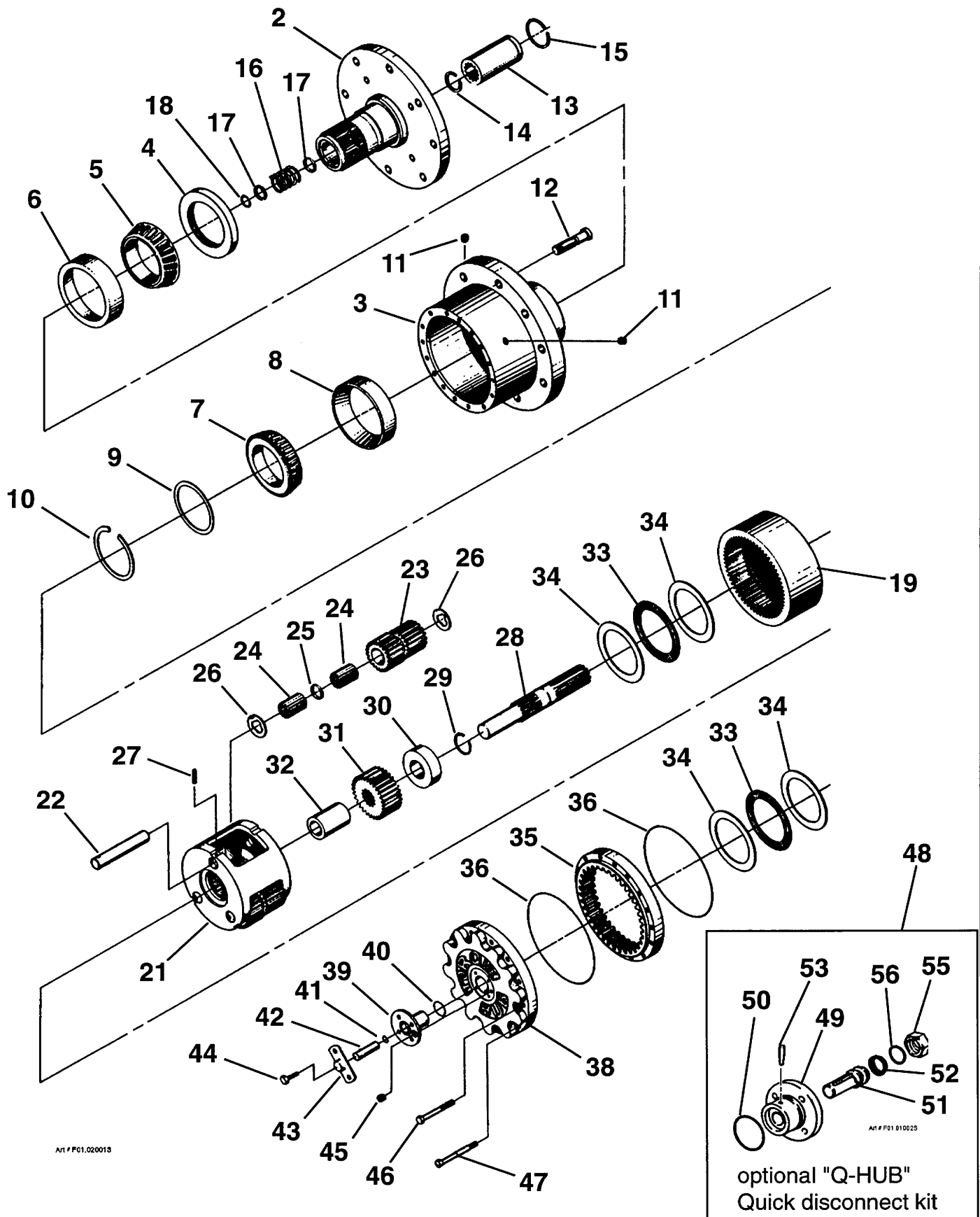
F01.07

SIMON AERIALS INC.

REV. 07 JUN., 1994

PART
NO.

02-010500



TITLE

TORQUE HUB (54:1) (PLATE 1 OF 2)

SIMON AERIALS INC.

REV. 07 JUN., 1994

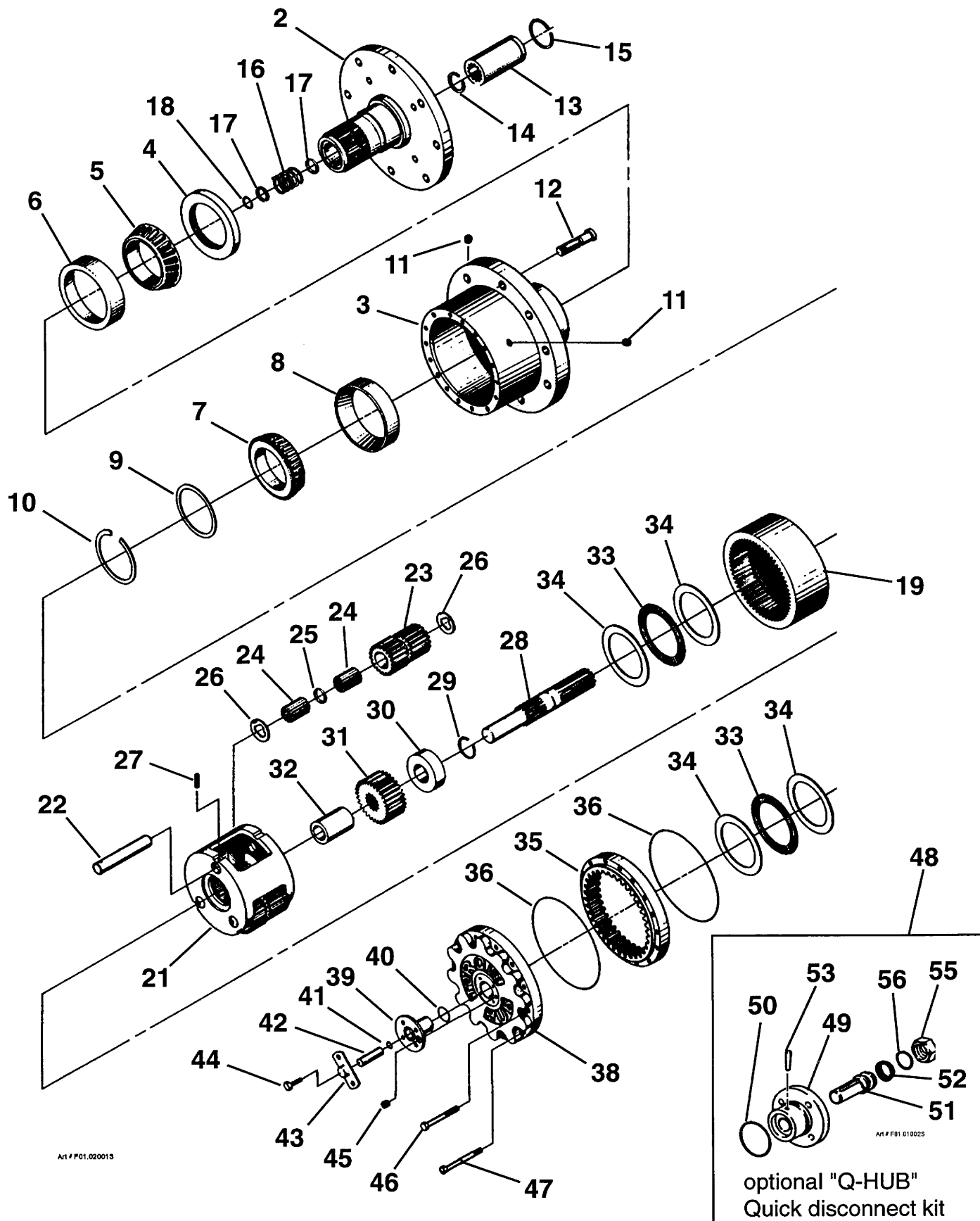
PART
NO.

02-010500

PLATE
NO.

F01.07

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
37			COVER ASSEMBLY, HUB	1
38	02-000618		COVER, HUB	1
39	02-000601		CAP, COVER	1
			Note: Items 39 through 45 are for units without "Q-hub" quick-disconnect option.	
40	02-000608		"O"-RING	1
41	02-000512		"O"-RING	1
42	02-000603		ROD, DISCONNECT	1
43	02-000602		CAP, DISCONNECT	1
44			BOLT	4
45			PLUG, PIPE (Oil level check)	1
46			BOLT	8
47	02-000621		BOLT, SHOULDER	4
			The following optional kit may be installed on your hub:	
48	02-000604		CAP KIT, COVER (quick-disconnect "Q-hub" kit)	1
49			CAP, QUICK DISCONNECT	1
50	02-000608		"O"-RING	1
51			ROD, DISCONNECT	1
52	02-000523		SEAL, DISCONNECT ROD	1
53	02-000639		PIN, ROLL	1
54	02-000519		CAP, COVER	1
55	02-000514		CAP, HEX	1
56	02-000513		"O"-RING	1
TITLE TORQUE HUB (54:1) (PLATE 2 OF 2)				
PLATE NO.	F01.07	SIMON AERIALS INC.		PART NO. 02-010500
			REV. 07 JUN., 1994	



TITLE

TORQUE HUB (54:1) (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 07 JUN., 1994

PART
NO.

02-010500

PLATE
NO.

F01.07

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			HOSTILE ENVIRONMENT PACKAGE	1
2	10-126300		BOOT, BOOM LIFT CYLINDER (with zipper)	1
3	09-011300		CLAMP, HOSE (2-1/4" to 12-1/4")	1
4	09-008700		CLAMP, HOSE (4-1/2")	1
5	10-103000		BOOT, LEVEL CYLINDER (with zipper)	2
6	09-008400		CLAMP, HOSE (1-3/4")	2
7	09-015000		CLAMP, HOSE (2-1/2")	2
8	208 0857		COVER, CATRAC HOSE	1
9	07-003047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2")	8
10	07-062016		WASHER, FLAT (3/8")	16
11	07-050016		NUT, LOCK (3/8"-16)	8
12	208 0909		ANGLE (3" x 2" x 1/4" x 6")	8
13	209 3369		COVER, BOOM FOOT	1
14	07-062014		WASHER, FLAT (1/4")	8
15	07-044014		NUT, ACORN (1/4"-20)	8
16	10-088500		COVER, SIGHT GUAGE	2
17	208 1629		COVER, HYDRAULIC TANK FILLER	1
18	233 7390		COVER, FUEL TANK FILLER	1
19	07-062014		WASHER, FLAT (1/4")	8
20	07-044014		NUT, ACORN (1/4"-20)	8
21	233 1260		STOP, COVER AXLE EXTEND CYLINDER	2
			The following items are not part of the Hostile Environment Package, but are sold separately:	
22	237 1770		GUARD, SWING BEARING (Right)	1
23	10-159100		COVER, PLATFORM CONTROL CONSOLE (Black vinyl) (not shown)	1
24	232 6050		DOOR, ACCESS (not shown)	1

TITLE

HOSTILE ENVIRONMENT PACKAGE, MPH 80

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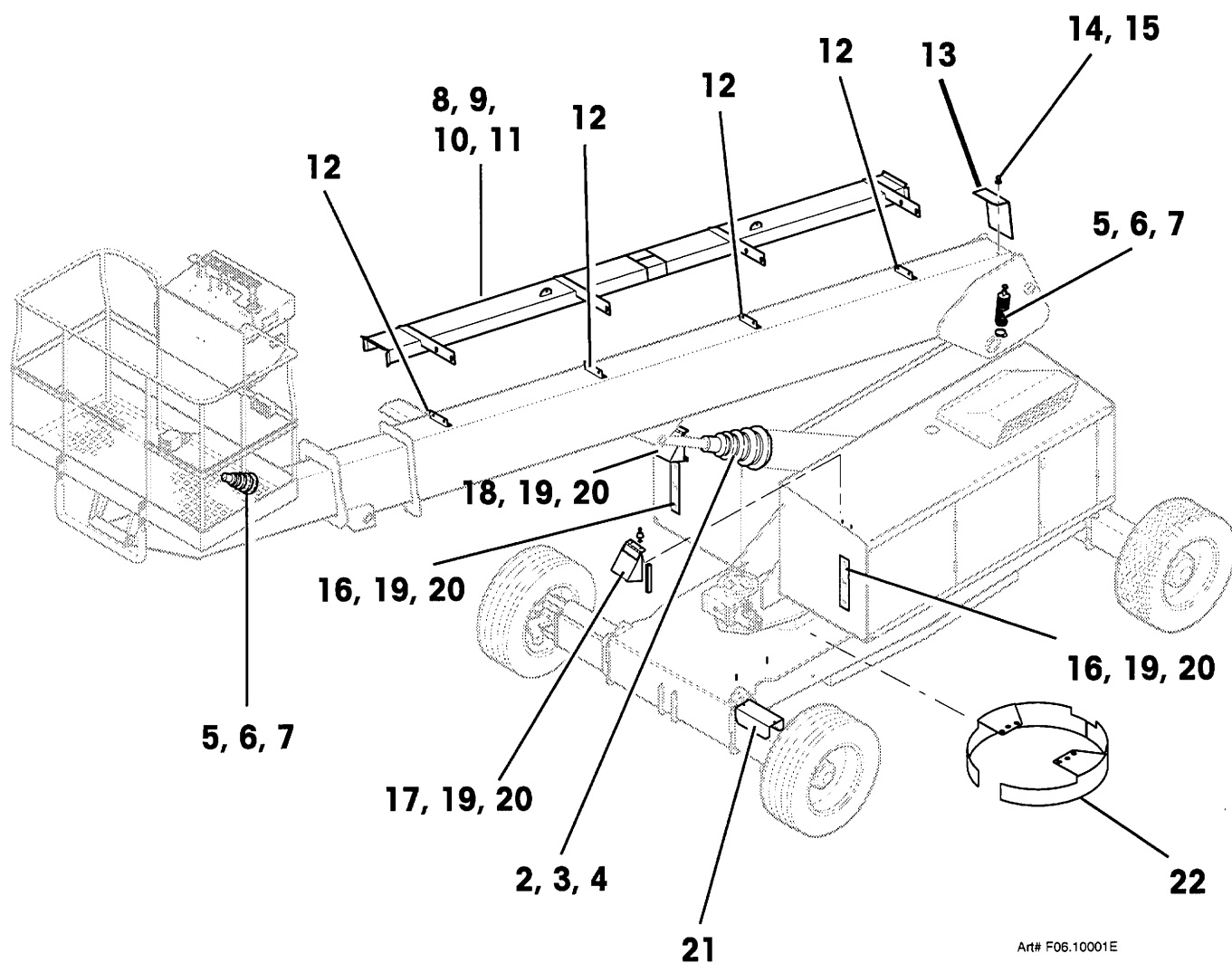
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DATED

19 NOV. 1997

PART NO.

Terex Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-601-393-1351
Fax 1-601-393-1751



Art# F06.10001E

Terex Aerials Inc.
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Parts Phone 1-601-393-1351
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TITLE

HOSTILE ENVIRONMENT PACKAGE, MPH 80

PART
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DATED
19 NOV. 1997

SECTION

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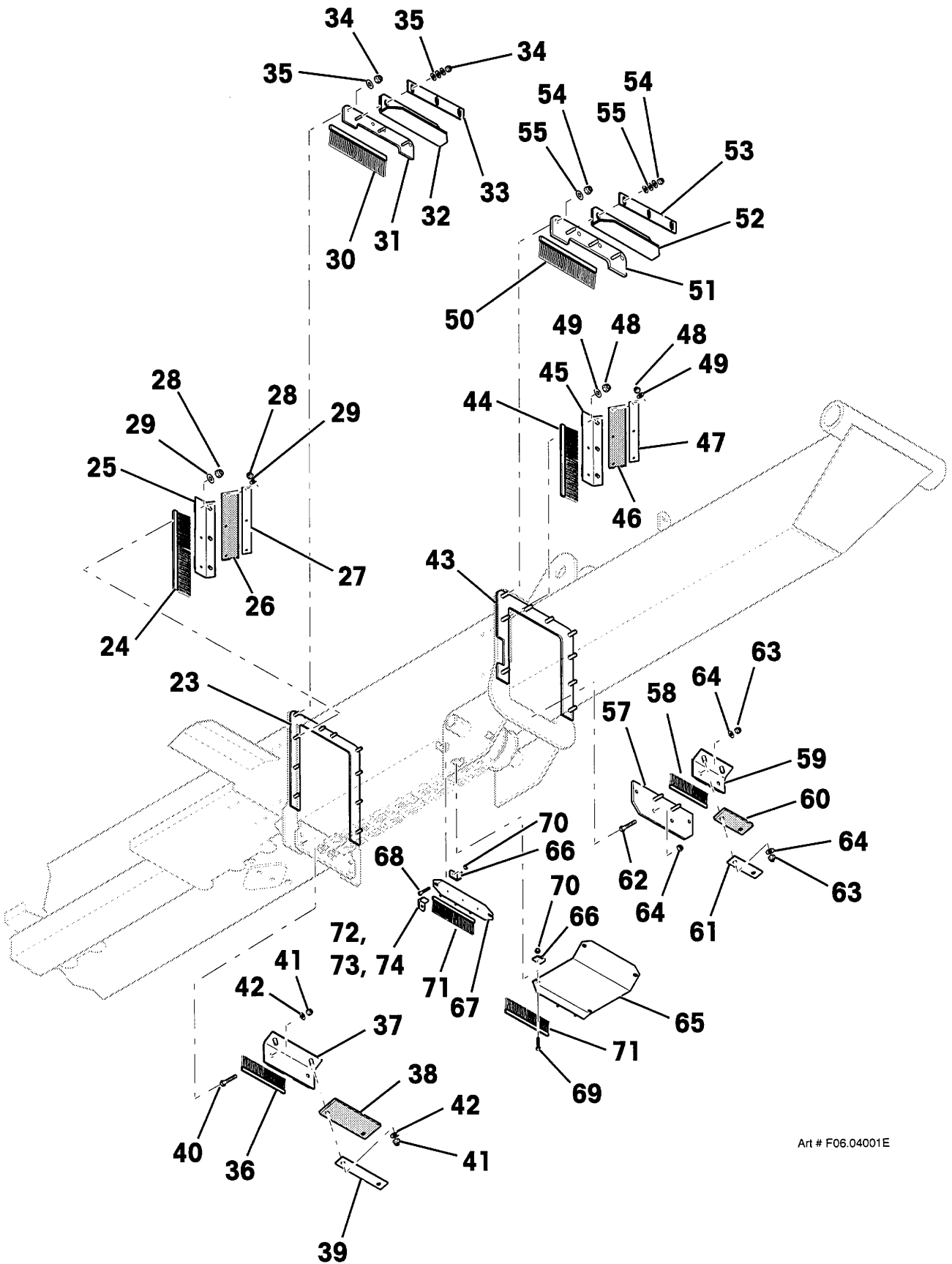
PLATE NO.

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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
22	210 3000		BOOM BRUSH AND WIPER ASSEMBLY	1
23			FRAME, MOUNTING	1
24	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3394] used here.)	2
25	209 3666		SEAL PLATE, BASE BOOM SIDE (mounting angle)	2
26	209 3501		WIPER, BOOM SEAL	2
27	209 3556		CLAMP, BOOM SEAL	2
28	07-050016		NUT, LOCK (3/8"-16, Grade 5)	12
29	07-062016		WASHER, FLAT (3/8")	12
30	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3411] used here.)	1
31	209 3646		SEAL PLATE, BASE BOOM TOP (Scraper mounting plate)	1
32	209 3602		SCRAPER, BOOM SEAL	1
33	209 3545		CLAMP, BRUSH	1
34	07-050016		NUT, LOCK (3/8"-16, Grade 5)	7
35	07-062016		WASHER, FLAT (3/8")	7
36	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3433] used here.)	1
37	209 3688		ANGLE, MOUNTING	1
38	209 3691		WIPER, BOOM SEAL	1
39	209 3556		CLAMP, BOOM SEAL	1
40	07-031008		STUD, WELD (3/8"-16 x 1")	2
41	07-050016		NUT, LOCK (3/8"-16, Grade 5)	2
42	07-062016		WASHER, FLAT (3/8")	2
43			FRAME, MOUNTING	1
44	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3402] used here.)	2
45	209 3749		SEAL PLATE, BASE BOOM SIDE (mounting angle)	2
46	209 3527		WIPER, BOOM SEAL	2
47	209 3587		CLAMP, BOOM SEAL	2
48	07-050016		NUT, LOCK (3/8"-16, Grade 5)	6
49	07-062016		WASHER, FLAT (3/8")	6
50	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3428] used here.)	1
51	209 3714		SEAL PLATE, MID BOOM TOP (Scraper mounting plate)	1
52	209 3611		SCRAPER, BOOM SEAL	1
53	209 3572		CLAMP, BRUSH	1
54	07-050016		NUT, LOCK (3/8"-16, Grade 5)	3
55	07-062016		WASHER, FLAT (3/8")	A.R.
56	209 3628		SCRAPER, BOOM SEAL	1
TITLE			HOSTILE ENVIRONMENT PACKAGE, MPH 80	
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Terex Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-601-393-1351 Fax 1-601-393-1751				



Art # F06.04001E

Terex Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
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Fax 1-601-393-1751

TITLE

HOSTILE ENVIRONMENT PACKAGE, MPH 80

PART
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REV.

DATED

19 NOV. 1997

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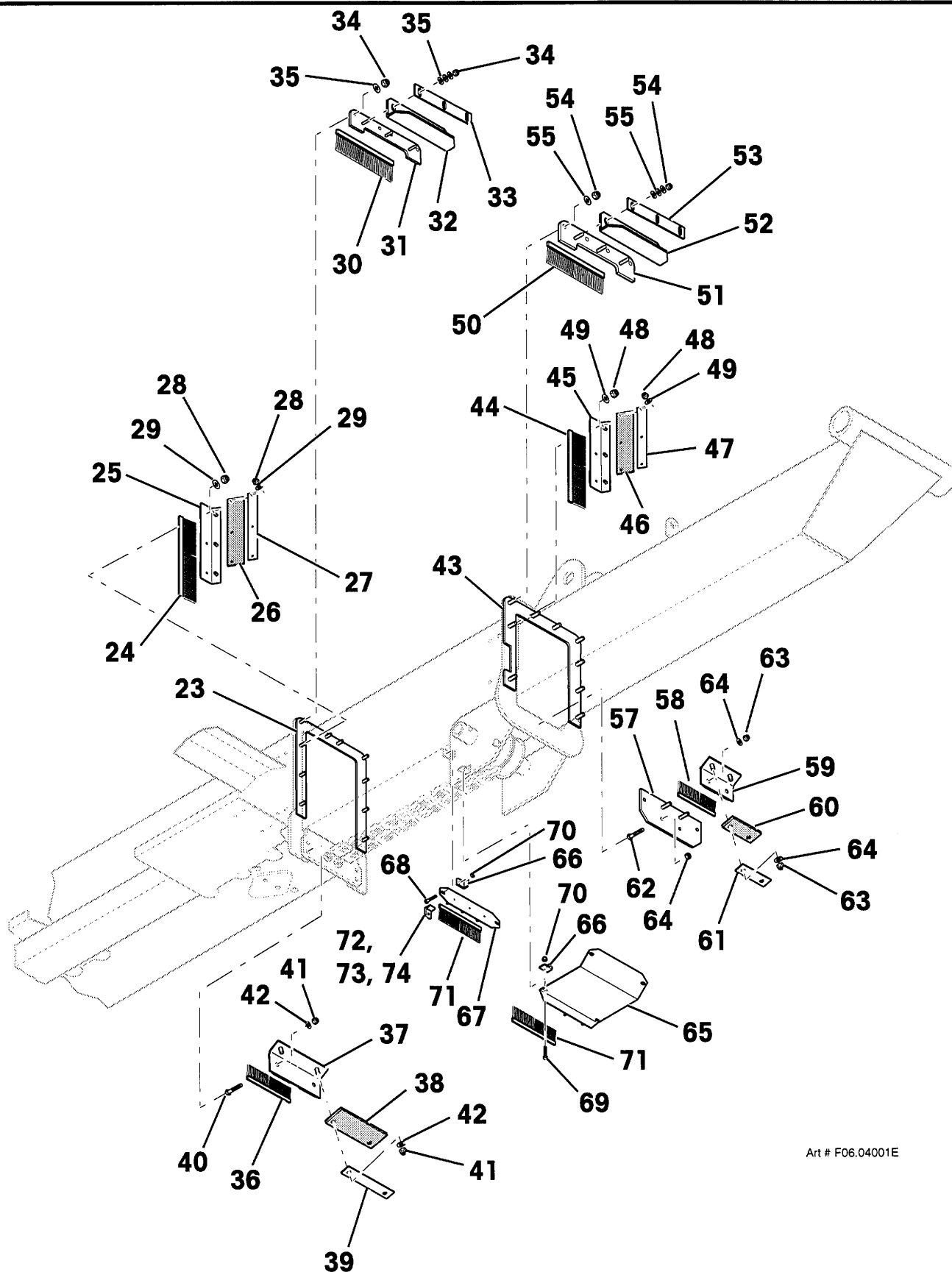
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PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
57	10-041100		BOOM BRUSH AND WIPER ASSEMBLY (Continued)	1	
58			PLATE, BRUSH MOUNTING		
			BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3446] used here.)	1	
59	231 7600		ANGLE, MOUNTING	1	
60	209 3532		WIPER, BOOM SEAL	1	
61	209 3590		CLAMP, BOOM SEAL	1	
62	07-031008		STUD, WELD (3/8"-16 x 1")	2	
63	07-050016		NUT, LOCK (3/8"-16, Grade 5)	4	
64	07-062016		WASHER, FLAT (3/8")	4	
65	209 1075		COVER, BOOM SHEAVES	1	
66	209 1136		ANGLE, MOUNTING	6	
67	209 3769		PLATE, BRUSH MOUNTING	1	
68	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1")	2	
69	07-003023		CAP SCREW, HEX HEAD (5/16"-18 x 3/4")	4	
70	07-050015		NUT, LOCK (5/16"-18)	6	
71	10-041100		BRUSH ASSEMBLY, BOOM (36" [.914 m] long section. Cut to fit. piece [209 3446] used here.)	2	
72	204 1739		RETAINER, BRUSH	6	
73	07-050014		NUT, LOCK (1/4"-20)	6	
74	07-062014		WASHER, FLAT (1/4")	6	
TITLE			HOSTILE ENVIRONMENT PACKAGE, MPH 80		
SECTION	F06.	PLATE NO.	10	PAGE	03
		REV.	-	DATED	19 NOV. 1997
		PART NO.			
			Terex Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-601-393-1351 Fax 1-601-393-1751		



Art # F06.04001E

Terex Aerials Inc.
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Milwaukee Wisconsin 53224 USA
Parts Phone 1-601-393-1351
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TITLE

HOSTILE ENVIRONMENT PACKAGE, MPH 80

PART
NO.

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DATED

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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT (Not available. Order decals individually.)	
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1
3	10-142100		DECAL, "DANGER" (Hazard listing, at Platform controls)	1
4	10-145100		DECAL, "DANGER" (Electrocution)	2
5	10-272600		DECAL, "CAUTION" ("Safety belt lanyard only ...")	2
6	10-094700		DECAL, "CAUTION, HOT WATER ..." (for versions with liquid cooled engine)	1
7	10-094900		DECAL, "CAUTION, ROTATING FAN ..." (for versions with liquid cooled engine)	1
8	10-025400		DECAL, ENGINE MAINTENANCE (decals are marked "F3-6L912" and "2973582") (used with Deutz 912 engine)	1
9	10-135100		DECAL, "FOR LUBRICATION OF SWING BEARING ..." (with optional oil bath swing bearing)	1
10			PLACARD, FUEL	1
	10-117900		"GASOLINE ONLY" (Black type on white)	
	10-151100		"DIESEL FUEL ONLY" (Black type on white)	
11	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
12	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES ..."	1
13	10-007200		DECAL, "ENSURE LOCK PIN IS DISENGAGED ..."	2
14			DECAL, PLATFORM CAPACITY (4-1/2" [114 mm] wide)	4
	10-148300		"Platform capacity 500 LBs (225 kg)" (MP70, MP 80)	
	10-148900		"Platform capacity 1000 LBs (450 kg)" (MPH 60)	
15	10-012900		DECAL, "FORWARD" WITH ARROW	2
16	10-108600		DECAL, "FOR PROPER OPERATION - SET FUEL ..." (for some "Dual fuel" versions) (Decal was marked "215 7710" on some earlier versions.)	1
17	10-016800		DECAL, "GAS/ OFF/ PROPANE" (for some "Dual fuel" versions)	1
18	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE ..." (for some "Dual fuel" versions)	1
19	10-107200		DECAL, "CAUTION" ("Steer system must be disengaged ...") (for versions with optional tow package)	1

TITLE

DECALS, MPH 80 (WITH SIMCON CONTROLS)

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REV.

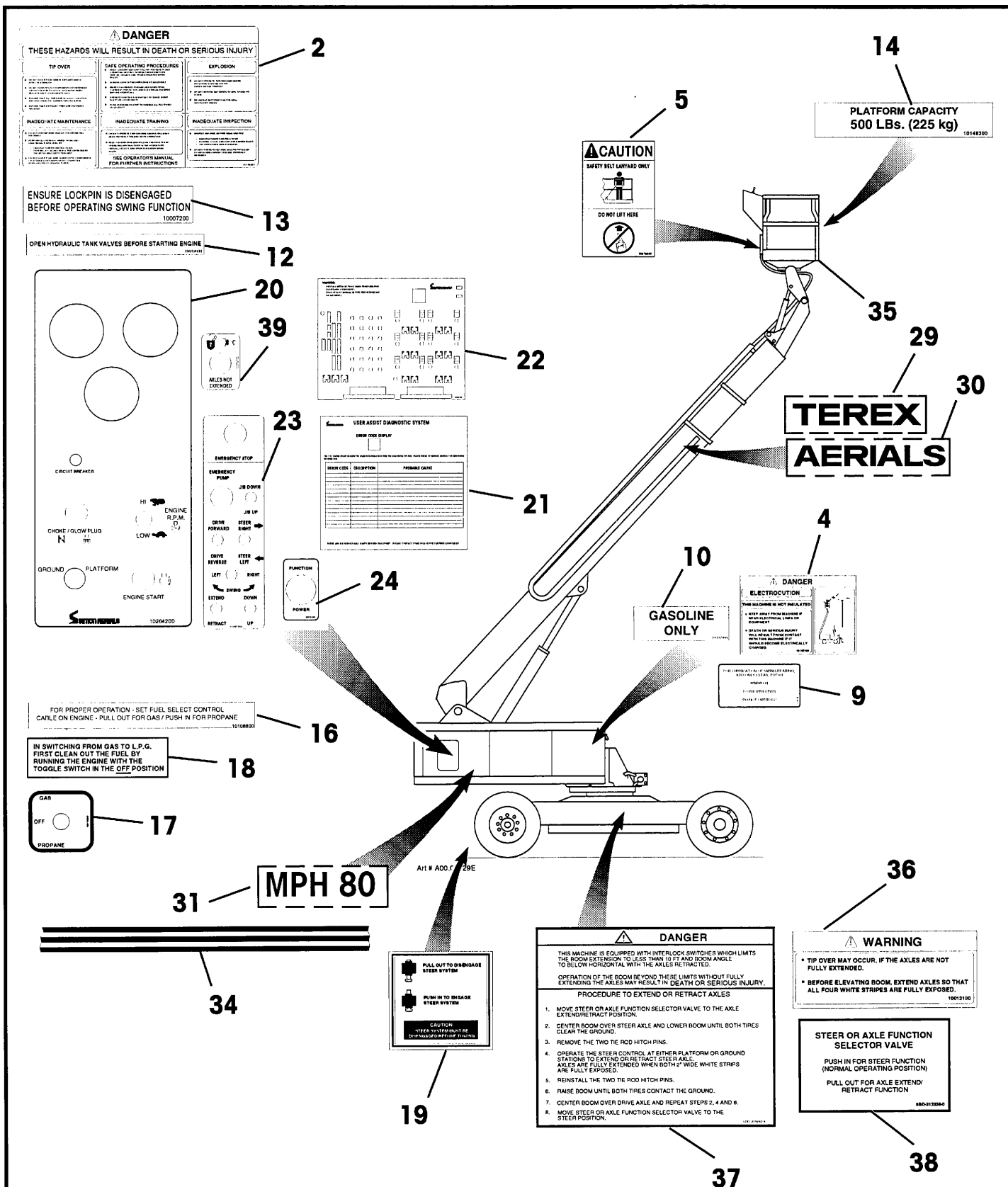
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DATED

20 NOV. 1997

PART NO.

Terex Aerials Inc.
10600 West Brown Deer Road
Milwaukee Wisconsin 53224 USA
Parts Phone 1-601-393-1351
Fax 1-601-393-1751



Left side decals (typical version shown). Specific models or options may cause changes in decal location. See following page for illustration of Right side decals.

Terex Aerials Inc.
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TITLE

DECALS, MPH 80 (WITH SIMCON CONTROLS)

PART NO.

REV.

DATED

20 NOV. 1997

SECTION

F99.

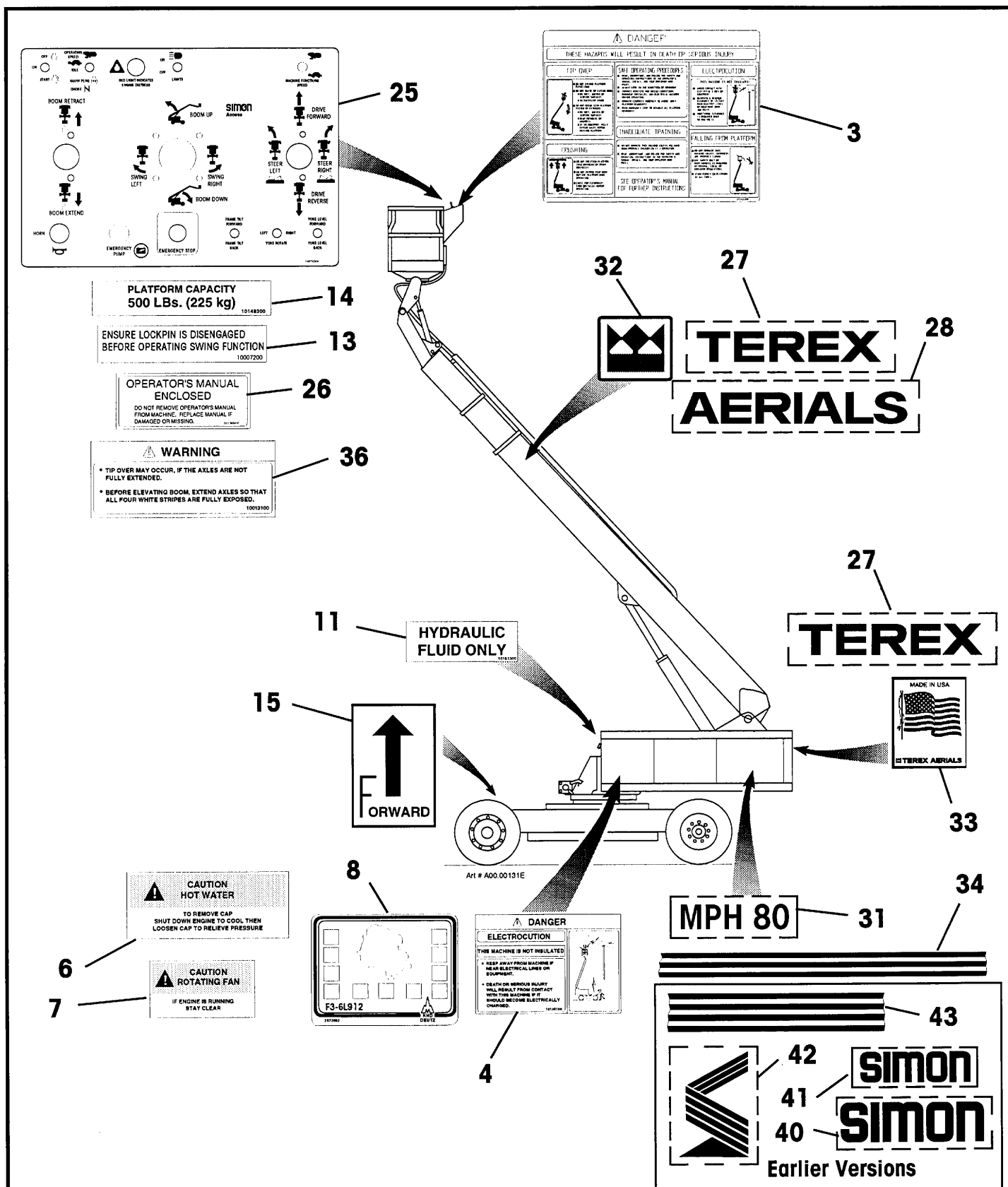
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PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
20	10-279500		DECAL, GROUND ELECTRICAL CONTROLS	1
21	10-266700		DECAL, "USER ASSIST DIAGNOSTIC SYSTEM ..." (mounts to outside of circuit board cover)	1
22	10-269200		DECAL, "WARNING" (Controller board diagram) (mounts to inside of circuit board cover)	1
23	10-265200		PLACARD, REMOTE CONTROL PENDANT	1
24	10-272100		PLACARD, "FUNCTION POWER"	1
25	10-279200		PLACARD, PLATFORM CONTROLS	1
26	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
27	10-284302		DECAL, "TEREX" NAME (Black, 5.12" [13 cm] high x 30.5" [77.5 cm] wide)	2
28	10-284402		DECAL, "AERIALS" NAME (Black, 5.12" [13 cm] high x 37.3" [94.8 cm] wide)	1
29	10-284301		DECAL, "TEREX" NAME (Black, 3.12" [8 cm] high x 18.6" [47.3 cm] wide)	1
30	10-284401		DECAL, "AERIALS" NAME (Black, 3.12" [8 cm] high x 22.8" [57.8 cm] wide)	1
31			DECAL, MODEL DESIGNATION	2
	10-133400		MODEL "MPH 60"	
	10-132100		MODEL "MP 70"	
	10-132200		MODEL "MP 80"	
32	MK 181 976		DECAL, TEREX "CROWN" (Red/ Black, 7.9" [20 cm] high x 9" [23 cm] wide)	1
33	10-121600		DECAL, "MADE IN U.S.A."	1
34	10-126900		DECAL, STRIPE ([3] Dk Gray stripes, 2-1/8" [54 mm] wide) (Bulk item, order as needed.)	A.R.
35	10-031000		"SAF STEP" (Black) (4" [102 mm] wide x 60 ft [18.3 m] long roll)	A.R.
36	10-013100		DECAL, "WARNING" (Tip over may occur . . .)	2
37	213 2070		DECAL, "DANGER" (Axles extend instructions)	1
38	213 2080		DECAL, "STEER OR AXLE FUNCTION . . .")	1
39	10-279700		DECAL, PLATFORM CONTROL AXLE EXTEND	1
			The following items were used on earlier versions:	
40	10-017100		DECAL, "SIMON" NAME (Black, 7" [178 mm] high)	2
41	10-105900		DECAL, "SIMON" NAME (White, 5" [127 mm] high)	1
42	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	2
43	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed)	A.R.
TITLE			DECALS, MPH 80 (WITH SIMCON CONTROLS)	
SECTION	F99.	PLATE NO. 14	PAGE 02	REV. - DATED 20 NOV. 1997 PART NO.
			Terex Aerials Inc. 10600 West Brown Deer Road Milwaukee Wisconsin 53224 USA Parts Phone 1-601-393-1351 Fax 1-601-393-1751	



Right side decals (typical version shown). Specific models or options may cause changes in decal location. See first page for illustration of Left side decals.

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TITLE

DECALS, MPH 80 (WITH SIMCON CONTROLS)

PART
NO.

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DATED

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