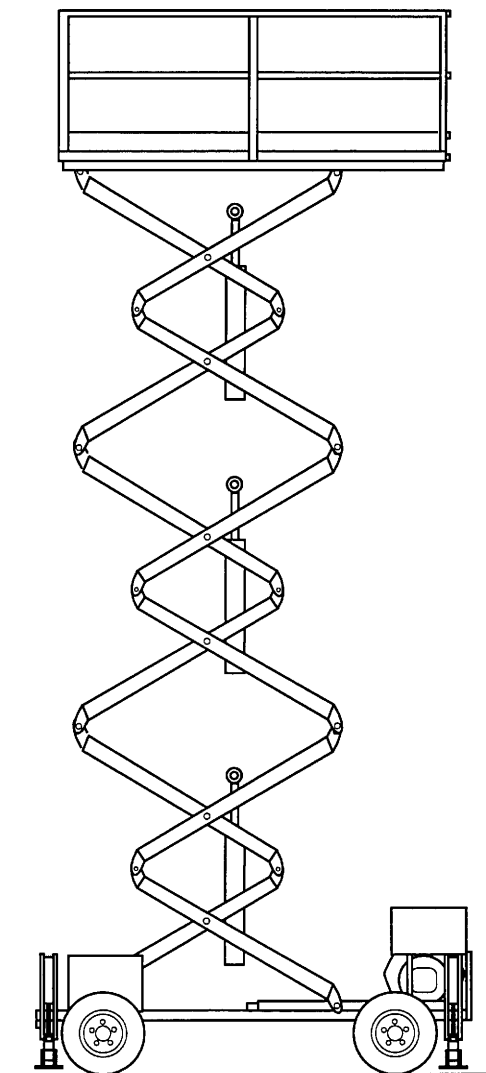


SCISSORS 4612 G; 4612 RT

 **TEREX AERIALS**
Milwaukee, Wisconsin

ILLUSTRATED PARTS CATALOG

FOR MACHINE
SERIAL NUMBER



Art # A00.00902E

Part No. 89-927505 • Rev. "0.1", dated December, 1996 •

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INTRODUCTION

This Illustrated Parts Catalog is designed to help you identify and order the correct replacement parts for use on SIMON 4612 G or 4612 RT Scissors. 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 ensure 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 the 4612 are included in this Catalog.

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

The Parts Catalog is divided into "Sections", numbered from 1 through 99. Each section contains the individual parts that make up a major component, assembly or item. The first three sections (1, 4 and 5) contain the major assemblies, or "Primary Machine Component Groups". Sections that follow contain sub-assemblies or components of these "major" assemblies.

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

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

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

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

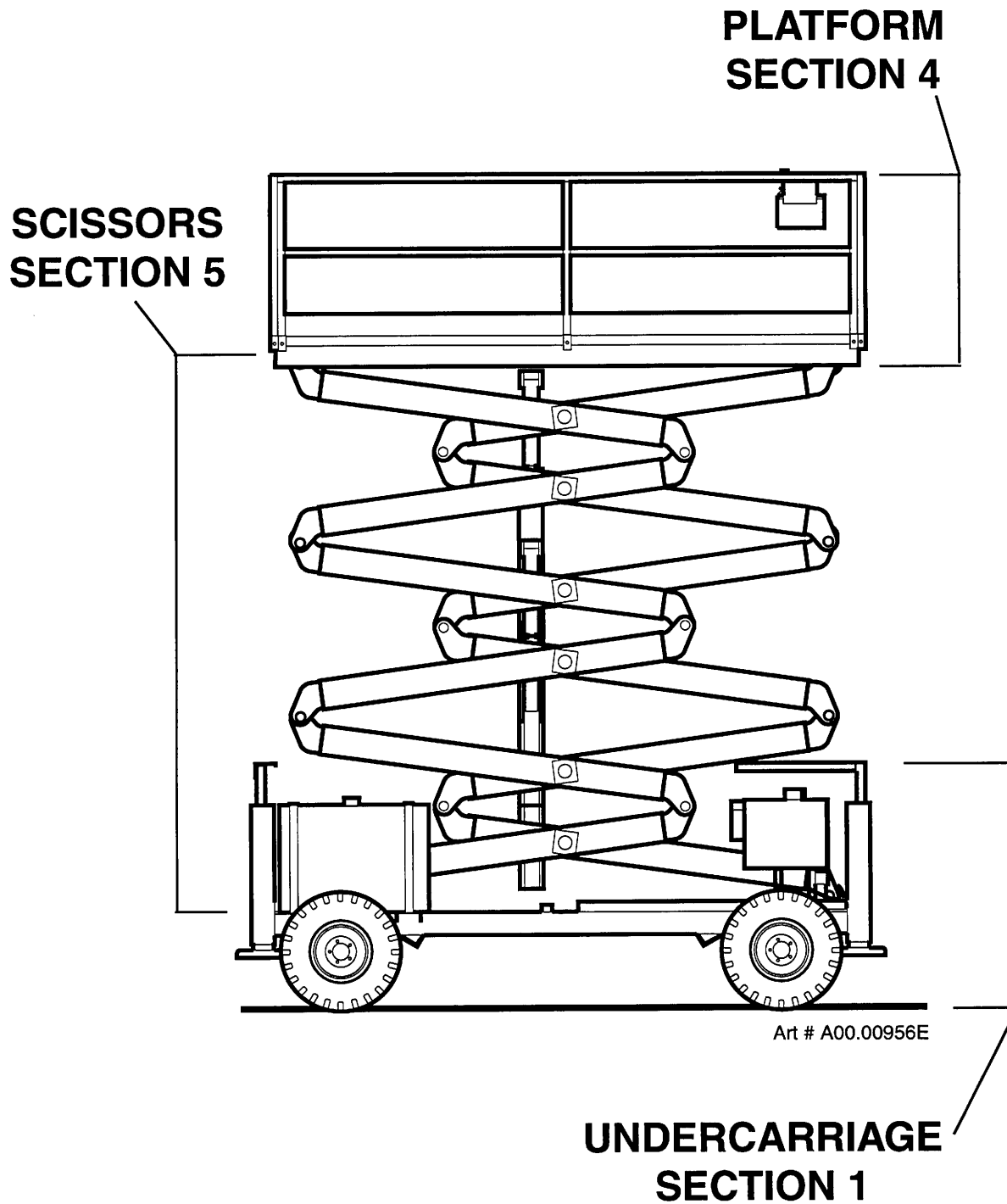
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

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

Left and right-hand, front and rear should be determined as though you are standing on the Platform, with the steering wheels to the front. All dimensions are in inches unless otherwise specified.

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

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



DESCRIPTION	PART NO.
PRIMARY MACHINE COMPONENT GROUPS	

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			CHASSIS WELDMENT, 4612 G OR 4612 RT SCISSORS With Electro-Proportional Drive:	1
	222 5990		Two-Wheel Drive, with standard Stabilizers	
	222 7000		Four-Wheel Drive, with standard Stabilizers	
	221 6650		Two-Wheel Drive, with optional "A"-Frame Outriggers	
	222 7020		Four-Wheel Drive, with optional "A"-Frame Outriggers	
			With Hydraulic Proportional Drive:	
	222 5810		Two-Wheel Drive, with standard Stabilizers	
	222 7070		Four-Wheel Drive, with standard Stabilizers	
	220 5820		Two-Wheel Drive, with optional "A"-Frame Outriggers	
	222 7080		Four-Wheel Drive, with optional "A"-Frame Outriggers	
2	221 6970		EAR, SCISSOR MOUNTING (must be welded to Chassis)	4
3	09-062500		MOUNT, ENGINE (for versions with Wisconsin engine)	4
4			SPINDLE WELDMENT (for 2 Wheel Drive versions)	
	222 8460		Right Hand Side	1
	222 8470		Left Hand Side	1
5	02-100301		WASHER, FLAT (0.81" I.D., 2.0" O.D.) (was 14-800140)	1
6	07-050022		NUT, LOCK (3/4"-10, Grade 5)	1
7	02-019502		PIN, COTTER (replaces 42-100919)	1
8	221 8250		PIN, SPINDLE (King pin) (1" dia. x 9-1/4" long) (replaces 42-800148)	2
9	08-100300		BUSHING, SPINDLE PIN (Upper, flanged. 1.00" I.D., 1.25" O.D., 0.75" long) (replaces 08-100200)	2
10	08-060400		BUSHING, SPINDLE PIN (Lower, Oilite. 1.00" I.D., 1.25" O.D., 1.00" long) (replaces 26-101049)	2
11	08-050000		FITTING, GREASE (1/8" NPT, straight)	2
12	08-066300		CAP, GREASE FITTING (White plastic)	2
13	07-100000		ROLL PIN (.31" x 2.0" long)	4
14	02-100400		HUB ASSEMBLY, WHEEL (front) (5 lug)	2
15	02-100401		HUB, WHEEL	1
16	07-030598		STUD, WHEEL (front) (1/2"-20 x 1-7/8")	5
17	02-100404		CUP, BEARING (Inner) (was 26-100908)	1
18	02-100405		CONE AND ROLLER, BEARING (Inner) (marked " LM48548 ") (was 26-100913)	1
19	02-100402		CUP, BEARING (Outer) (replaces 26-800141)	1
20	02-100403		CONE AND ROLLER, BEARING (Outer) (marked " LM67048 ") (was 26-100914)	1
21	02-100406		SEAL, GREASE (was 34-800145)	1
22	02-100407		CAP, DUST (2.25" dia.) (was 34-800137)	1

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 1 OF 9)

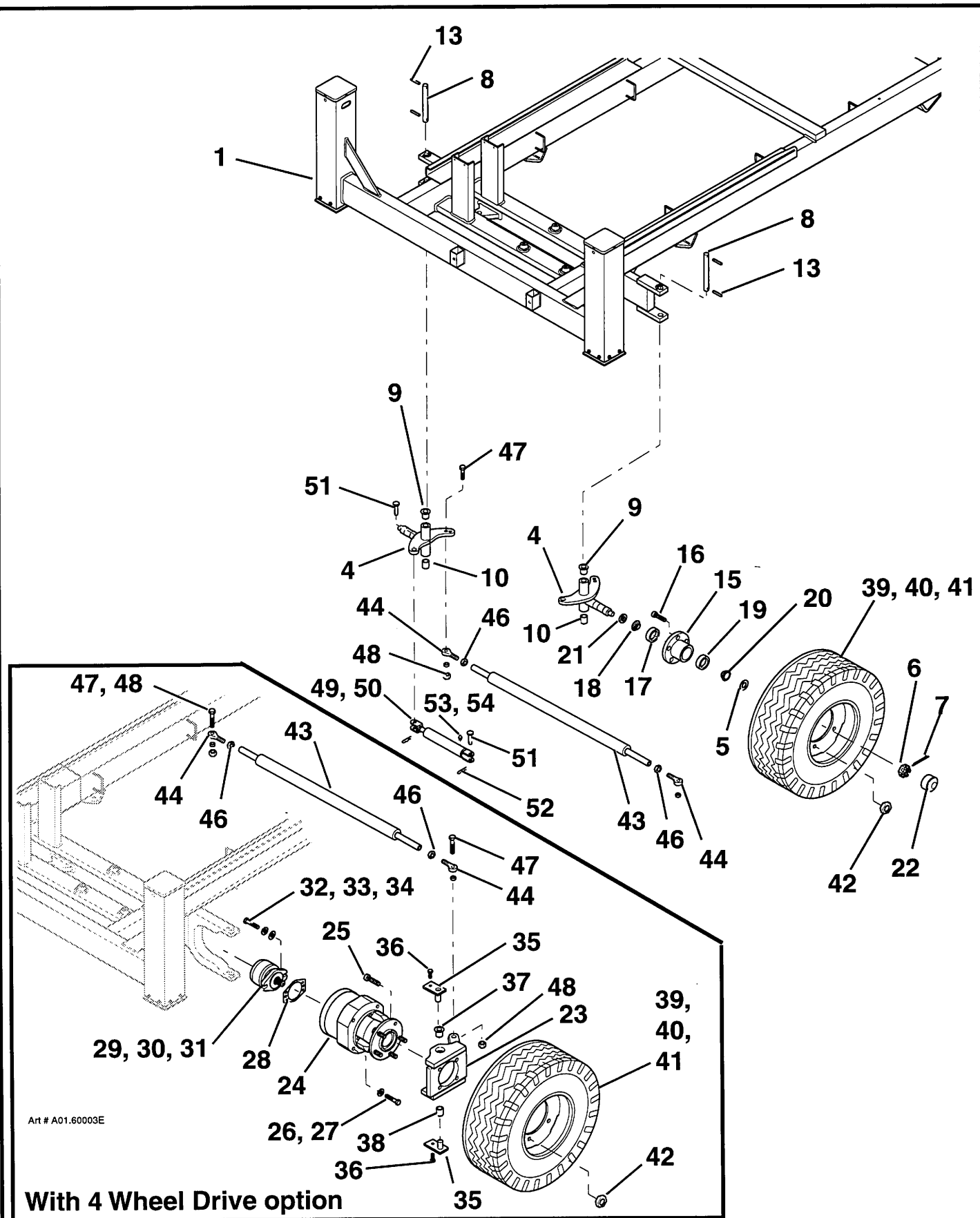
PLATE NO.

01.71

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART NO.



TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 1 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

01.71

PARTS LIST

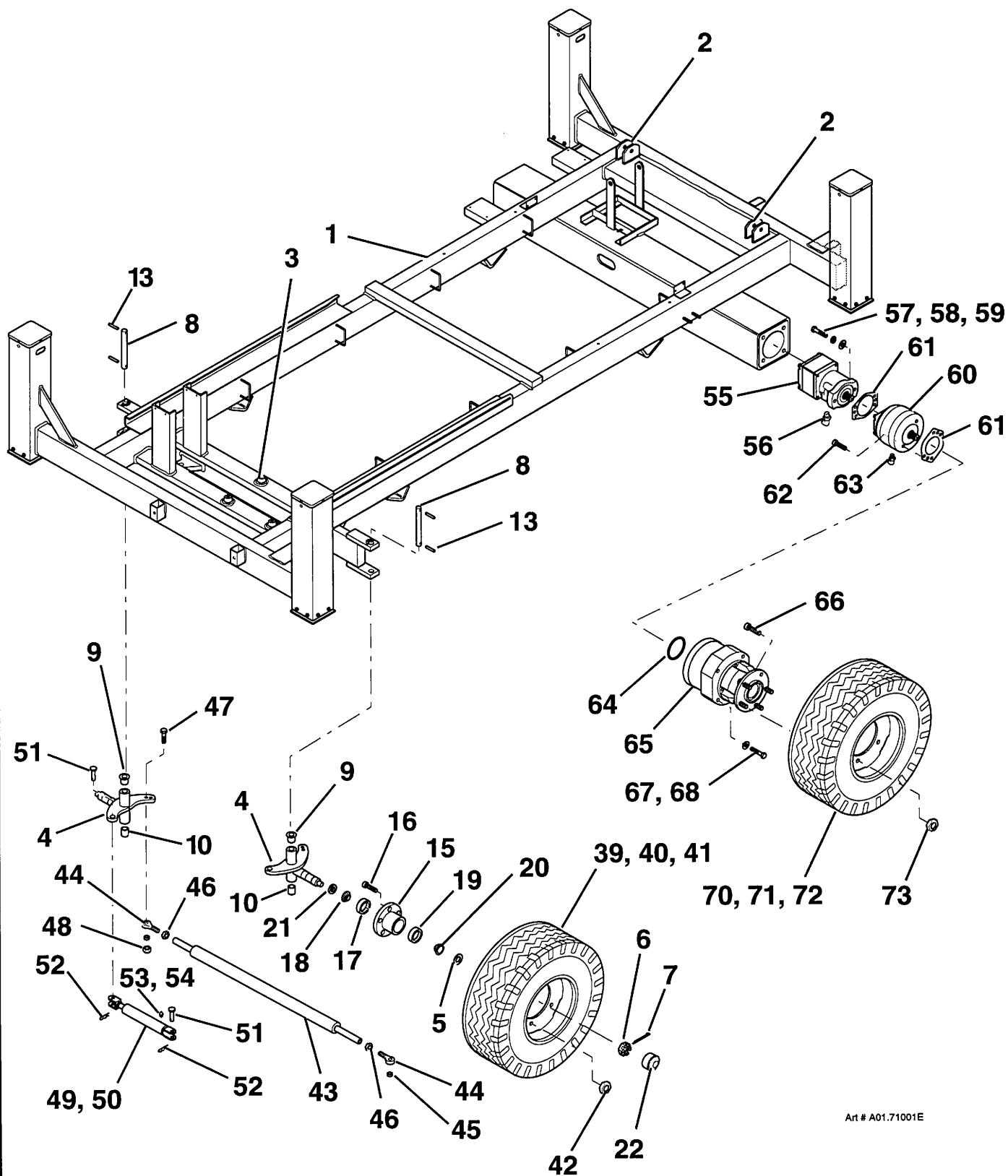
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	221 9840		BRACKET, MOTOR MOUNTING (Right, for 4WD versions)	1
	221 9850		BRACKET, MOTOR MOUNTING (Left, for 4WD versions)	1
24	02-105200		TORQUE HUB (for 4WD versions)	2
25	07-030598		STUD, WHEEL (front) (1/2"-20 x 1-7/8")	10
26	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	8
27	07-065021		WASHER, HELICAL LOCK (5/8")	8
28	02-105201		GASKET	1
29	01-204500		MOTOR, FRONT DRIVE (for 4WD versions) (marked " 111A-129-AS-0 ") (12.9 c.i.)	2
30	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F5OX-S) (8MJ-10MB)	4
31	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S) (4MJ-6MB)	2
32	07-104500		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Nylock)	4
33	07-105500		WASHER, LOCK (1/2", heavy duty)	4
34	07-061018		WASHER, FLAT (Special SAE, 1/2" I.D., 1-1/16" O.D.)	4
35	221 7240		PIN, MOTOR BRACKET RETAINING (for 4WD versions)	4
36	07-090069		CAP SCREW, FLAT SOCKET HEAD (1/2"-13 x 1", Nylock)	4
37	08-100300		BUSHING, SPINDLE PIN (Upper, flanged. 1.00" I.D., 1.25" O.D., 0.75" long)	2
38	08-100400		BUSHING, SPINDLE PIN (Lower)	2
39			WHEEL AND TIRE ASSEMBLY (Front)	2
	354 4470		Liquid Filled (standard)	
	354 7420		Foam Filled (optional)	
40	02-101100		WHEEL (15" x 13") (Front)	1
41	02-107000		TIRE (31 x 15.5-15 " Super Terra Grip ") (replaces tire 02-101000, 31 x 15.5-15 " XTC " used earlier)	1
39	354 4450		WHEEL AND TIRE ASSEMBLY (Front, foam filled) (optional)	2
40	02-100100		WHEEL (15" x 8") (Front)	1
41	32-101043		TIRE (10-15 LT " Gumbo Mudder ", 6 ply rated)	1
42	07-058118		NUT, LUG (front) (1/2"-20, Grade 8)	10
43	221 9500		TIE ROD (66" [1.68 M] long)	1
44	10-101160		END, TIE ROD (Marked " TM-12N ") (with grease fitting) (earlier version, marked " TM-12 " had no grease fitting)	2
45	08-102000		BUSHING (Bronze, .75" O.D., .62" I.D., .75" long)	2
46	07-106400		NUT, JAM (3/4"-16 NF)	2
47	07-003133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 5)	2
48	07-050021		NUT, LOCK (5/8"-11, Grade 5)	2

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 2 OF 9)

PLATE NO. 01.71 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

PART NO.



Art # A01.71001E

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 2 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

01.71

PARTS LIST

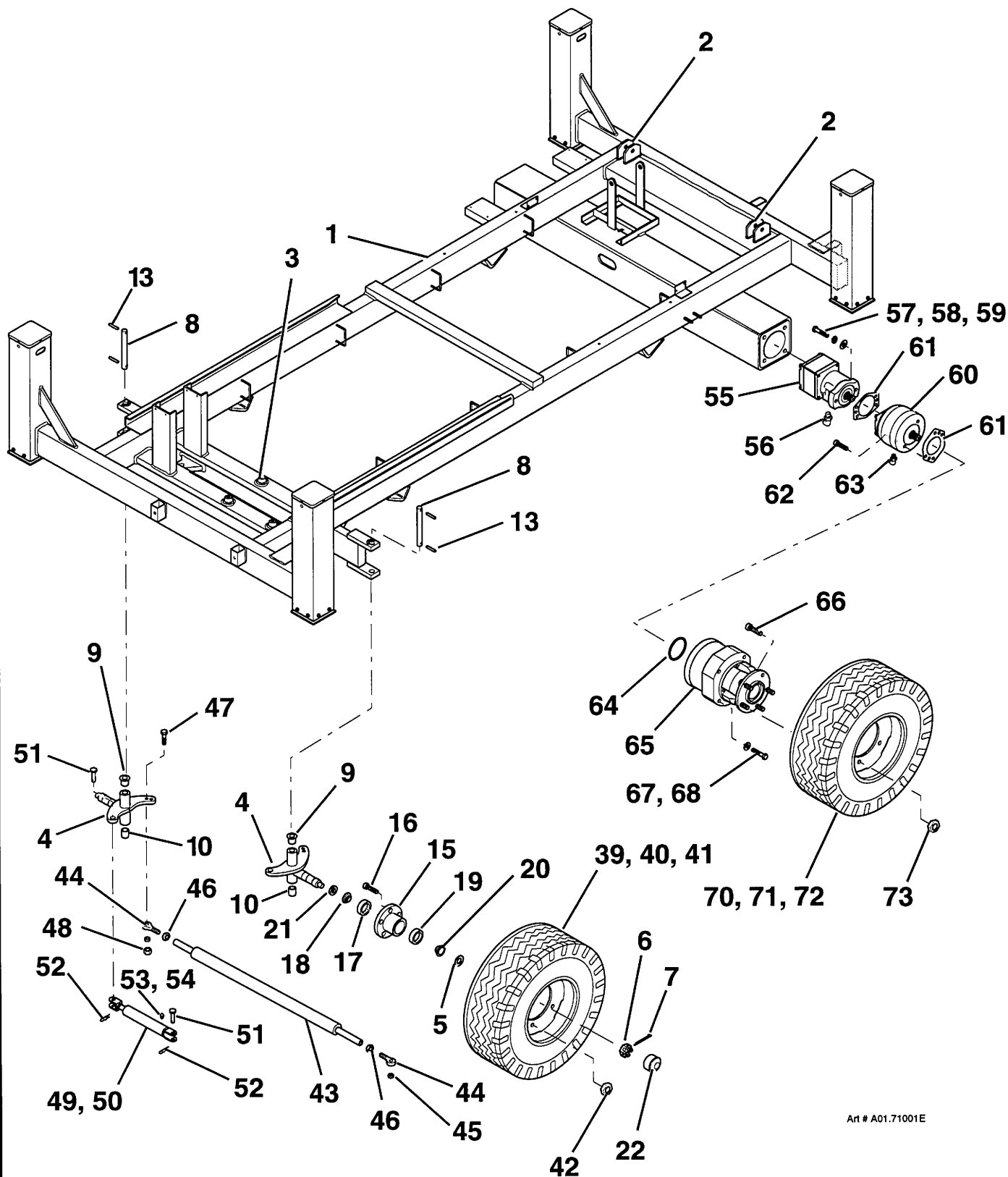
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
49	04-050900		CYLINDER, STEER (2-1/2" bore, 6" stroke)	1
50	04-050901		SEAL KIT, STEER CYLINDER	1
51	223 1170		PIN, STEER CYLINDER (1" x 2-7/8")	2
52	42-101060		PIN, COTTER (Hairpin) (1/8" x 2-1/2") (replaces 3/16" x 3-3/4" cotter pin 07-118800 used earlier)	2
53	24-100696		RESTRICTOR (.060" [1.52 mm] orifice)	1
54	06-216400		90° ELBOW, MALE 37° TO NPT (4-6 CTX-S) (4MJ-6MP 90°)	2
55			MOTOR, REAR DRIVE	2
	01-103900		for Two Wheel Drive versions (marked " RS 24 . . . ")	
	01-204500		for Four Wheel Drive versions (marked " 111A-129-AS-0 ")	
56	06-045000		90° ELBOW, "O"-RING TO 37° (8-10 C5OX-S) (8MJ-10MB 90°)	4
57	07-118900		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Nylock)	4
58	07-105500		WASHER, LOCK (1/2", heavy duty)	4
59	07-061018		WASHER, FLAT (Special SAE, 1/2" I.D., 1-1/16" O.D.)	4
60	02-100900		BRAKE, DRIVE MOTOR (for 1" shaft, 6B spline)	2
61	---		GASKET (comes with brake)	2
62	07-104400		CAP SCREW, HEX HEAD (1/2"-13 x 1", Nylock)	4
63	06-044300		90° ELBOW, "O"-RING TO 37° (4 C5OX-S) (4MJ-4MB 90°)	2
64	01-112900		"O"-RING (3" I.D., 3-1/4" O.D., 1/8" dia.)	2
65	02-105200		TORQUE HUB (1", 6B internal spline)	2
66	07-030598		STUD, WHEEL (rear) (1/2"-20 x 1-7/8")	5
67	07-003129		CAP SCREW, HEX HEAD (5/8"-11 x 2", Grade 5)	8
68	07-065021		WASHER, HELICAL LOCK (5/8")	8
69	02-105201		GASKET	2
70			WHEEL AND TIRE ASSEMBLY (Rear)	2
	354 4470		Liquid Filled (standard)	
	354 7420		Foam Filled (optional)	
71	02-101100		WHEEL (15" x 13") (Front)	1
72	02-107000		TIRE (31 x 15.5-15 " Super Terra Grip ") (replaces tire 02-101000, 31 x 15.5-15 " XTC " used earlier)	1
70	354 4450		WHEEL AND TIRE ASSEMBLY (Rear, foam filled) (optional)	2
71	02-100100		WHEEL (15" x 8") (Rear)	1
72	32-101043		TIRE (10-15 LT " Gumbo Mudder ", 6 ply rated)	1
73	07-058118		NUT, LUG (rear) (1/2"-20, Grade 8)	10

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 3 OF 9)

PLATE NO. 01.71 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

PART NO.



Art # A01.71001E

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 3 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO. 01.71

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
74	04-053300		CYLINDER, STABILIZER (2" bore, 1-1/4" rod, 18" stroke)	4
75	04-052201		SEAL KIT, STABILIZER CYLINDER	1
76	06-000400		CONNECTOR, MALE 37° TO NPT (4-4 FTX-S) (4MJ-4MP)	8
77	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S) (4MJ-4MP 90°)	4
78			PIN, STABILIZER CYLINDER (Upper) (0.75" x 6.88" long)	4
	221 7790		Earlier versions (held by pins, as shown)	
	222 4220		Current versions (held by retaining rings, as shown)	
79	42-100376		PIN, ROLL (5/16" x 2") (for earlier versions)	8
	08-105000		RING, RETAINING (for current versions.)	
			Replaces 3/4" retaining ring 08-040500, used earlier.)	8
80			PIN, STABILIZER CYLINDER (Lower)	4
	221 6030		0.75" x 4.62" long (earlier versions)	
	221 7780		0.75" x 4.94" long (current versions)	
81			FOOT PAD, STABILIZER	4
	221 7760		"U" cross-section (earlier versions)	
	221 9600		Flat plate (current versions)	
82			SPACER, LOWER	8
	221 7720		earlier versions	
	222 0710		current versions	
83			SET SCREW, HEX SOCKET HEAD	8
	07-023018		1/4"-20 x 1/4", Grade 5 (earlier versions)	
	07-023600		1/4"-20 x 1/2", Grade 5 (current versions)	
84	222 2500		LEG, STABILIZER (Inner tube)	4
85	08-102700		PAD, WEAR (0.25" thick)	8
	08-102800		PAD, WEAR (0.19" thick)	8
86			SCREW, FLAT HEAD	32
	07-015005		Machine screw, 1/4"-20 x 1", Grade 5 (earlier versions)	
	07-102400		Cap screw, 1/4"-20 x 3/4" (current versions)	
87	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	32
88	03-604400		SWITCH, STABILIZER LIMIT (Marked "BZ2RW863 - A2")	4
89	221 6950		COVER, STABILIZER TUBE	4
90	07-102300		MACHINE SCREW, HEX WASHER HEAD	
			(#10-24 x 1/2", self-tapping)	8

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 4 OF 9)

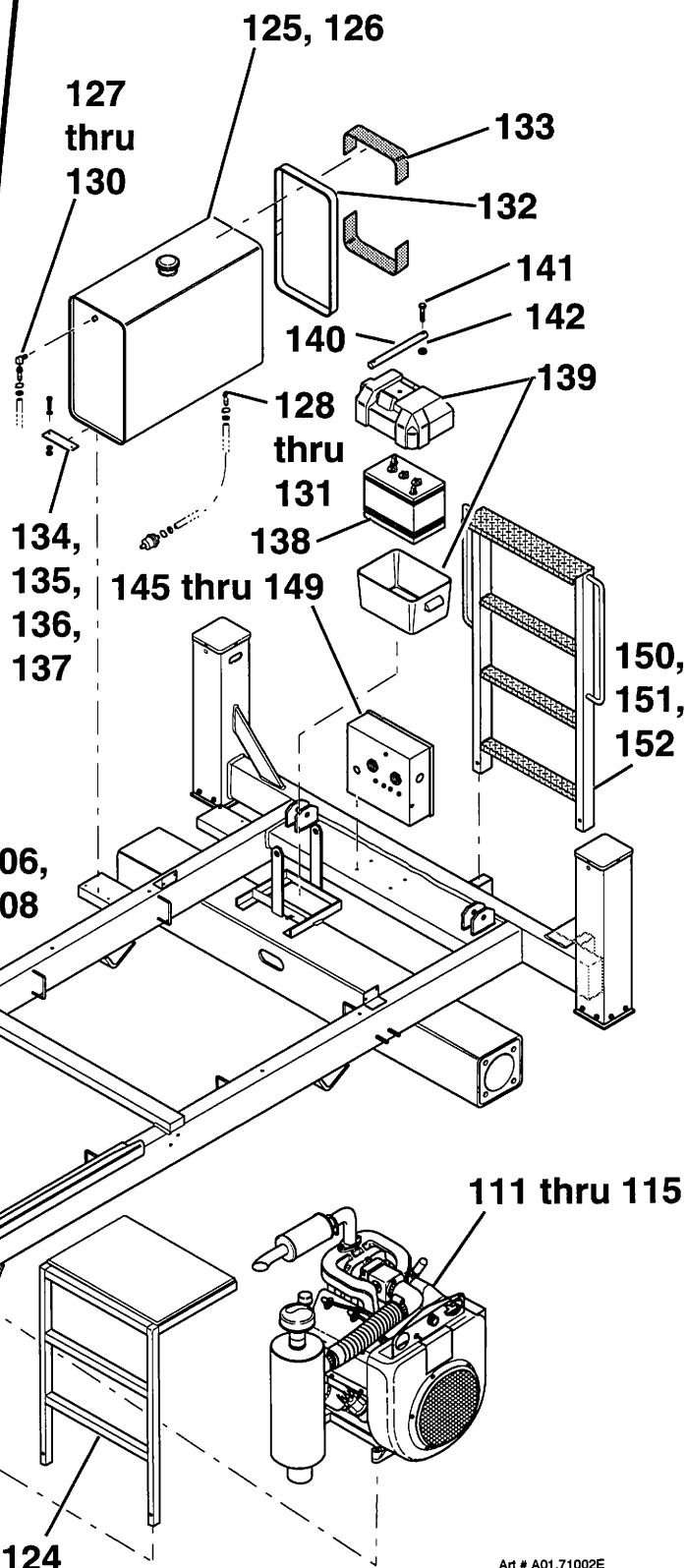
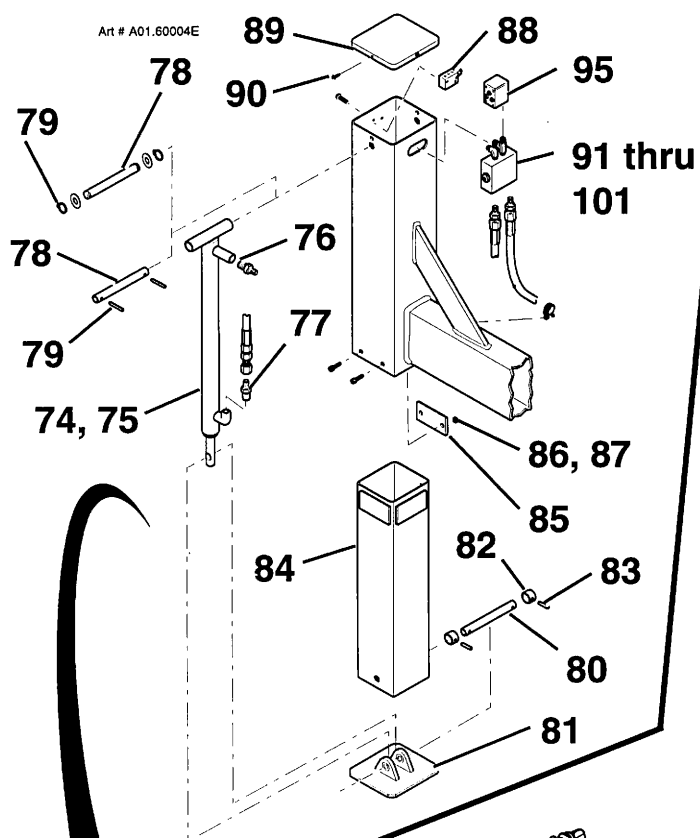
PLATE NO. 01.71 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

PART NO.

With Stabilizers

Art # A01.60004E



Art # A01.71002E

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 4 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART NO.

PLATE NO.

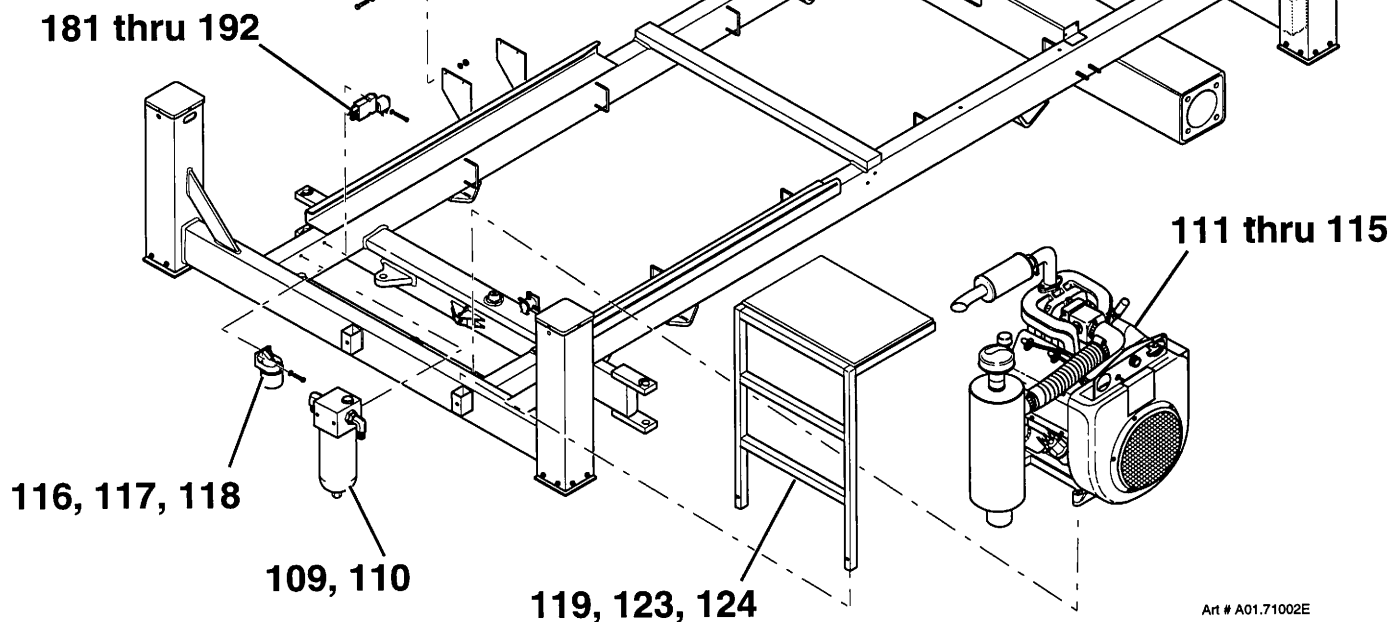
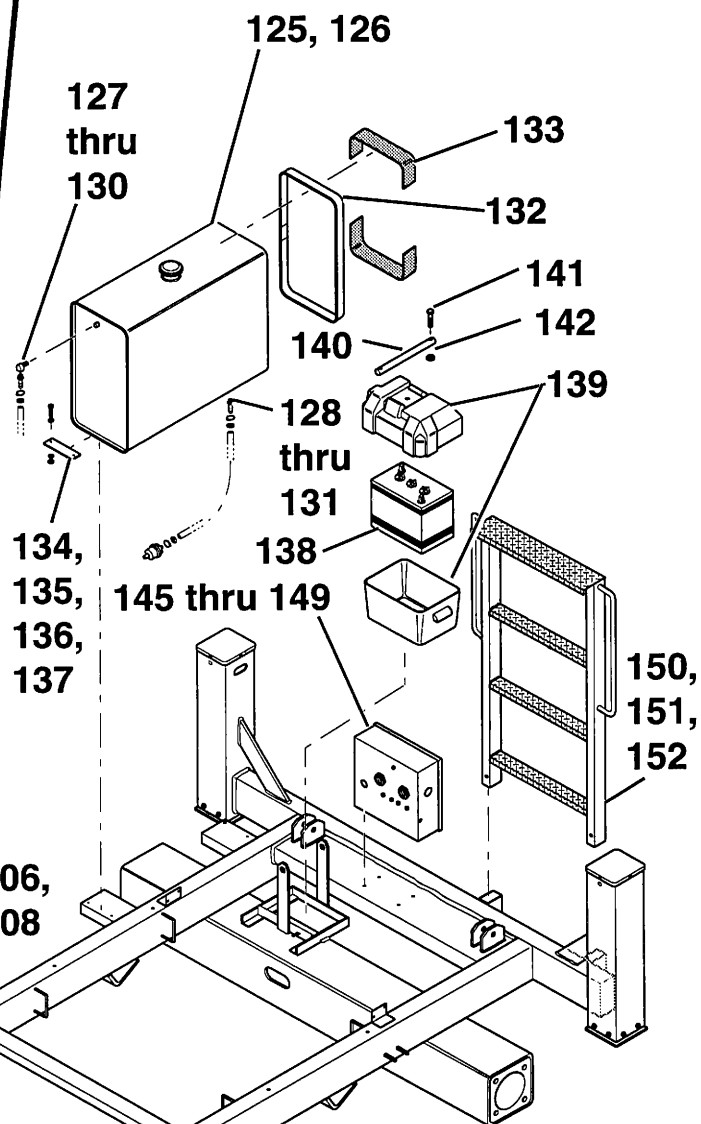
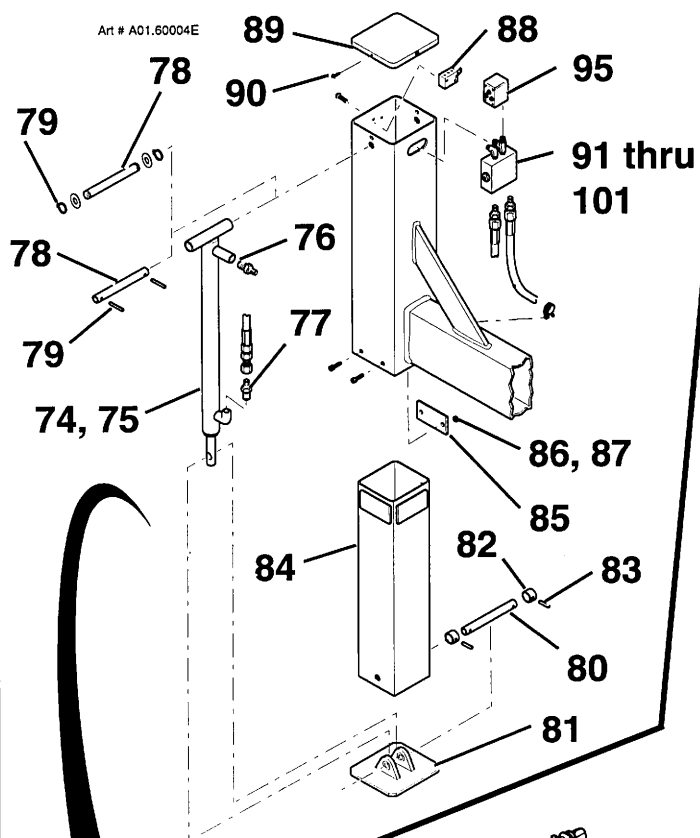
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PLATE NO. 01.71	SIMON AERIALS INC.	REV. 31 DEC., 1996	PART NO.
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With Stabilizers

Art # A01.60004E



Art # A01.71002E

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 5 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART NO.

PLATE NO.

01.71

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
103	See Plate . .	24.60	TANK, HYDRAULIC (14 Gal [53 L] capacity)	1
104	01-097800		CAP ASSEMBLY, HYDRAULIC TANK (includes 10 micron filter, breather and strainer)	1
105	01-081501		ELEMENT, FILTER, (Spin-on, 10 Micron)	1
106	07-003026		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)	4
107	07-062015		WASHER, FLAT (5/16")	8
108	07-050015		NUT, LOCK (5/16"-18, Grade 5, Nylock)	4
109	01-035100		FILTER, HIGH PRESSURE (25 Micron)	1
110	01-106100		ELEMENT, FILTER, (25 Micron, 3" dia. x 10" long)	1
111	See Plate . .	08. - -	ENGINE	1
112	01-109100		PUMP, HYDRAULIC (1.403 in ³ [23 c.c.]/ rev.)	1
113	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	4
114	07-065016		WASHER, HELICAL LOCK (3/8")	4
115	07-060016		WASHER, FLAT (3/8")	4
116	- - - - -		FILTER, FUEL (For machines with Deutz FL 1011 engine. Comes with engine. Current versions use in-line filter. Earlier style mounts to chassis rail with hardware below.	1
117	07-003006		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/4", Grade 5)	2
118	07-065014		WASHER, HELICAL LOCK (1/4")	2
	07-060014		WASHER, FLAT (1/4")	2
119			ENGINE SHIELD WELDMENT (option)	1
	222 8430		For all except Isuzu 3KR1 (solid top, open front)	
	222 9850		For Isuzu 3KR1 (hinged access doors on top and front)	
120	10-159300		KNOB (Black plastic. For access door)	2
121	07-003003		CAP SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2
122	07-065014		WASHER, HELICAL LOCK (1/4")	2
123	07-003043		CAP SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)	2
124	07-050016		NUT, LOCK (3/8"-16, Grade 5, Nylock)	2
125	48-101029		TANK, FUEL (25.7 gal [108 L] capacity)	1
126	10-001900		CAP, FUEL TANK (replaces 48-800121, c/w tank)	1
127	09-062800		90° ELBOW (Brass, 1/8")	1
128	09-062900		FITTING, HOSE (includes plastic washer) (Brass, barbed, 5/16" I.D. hose, 1/4" male NPT)	2
129	05-006400		HOSE, FUEL LINE (Bulk item, order as needed)	A.R.
130	42-101251		CLAMP, HOSE (1/8" to 5/16")	3
131	09-060100		FILTER, FUEL (in line)	1

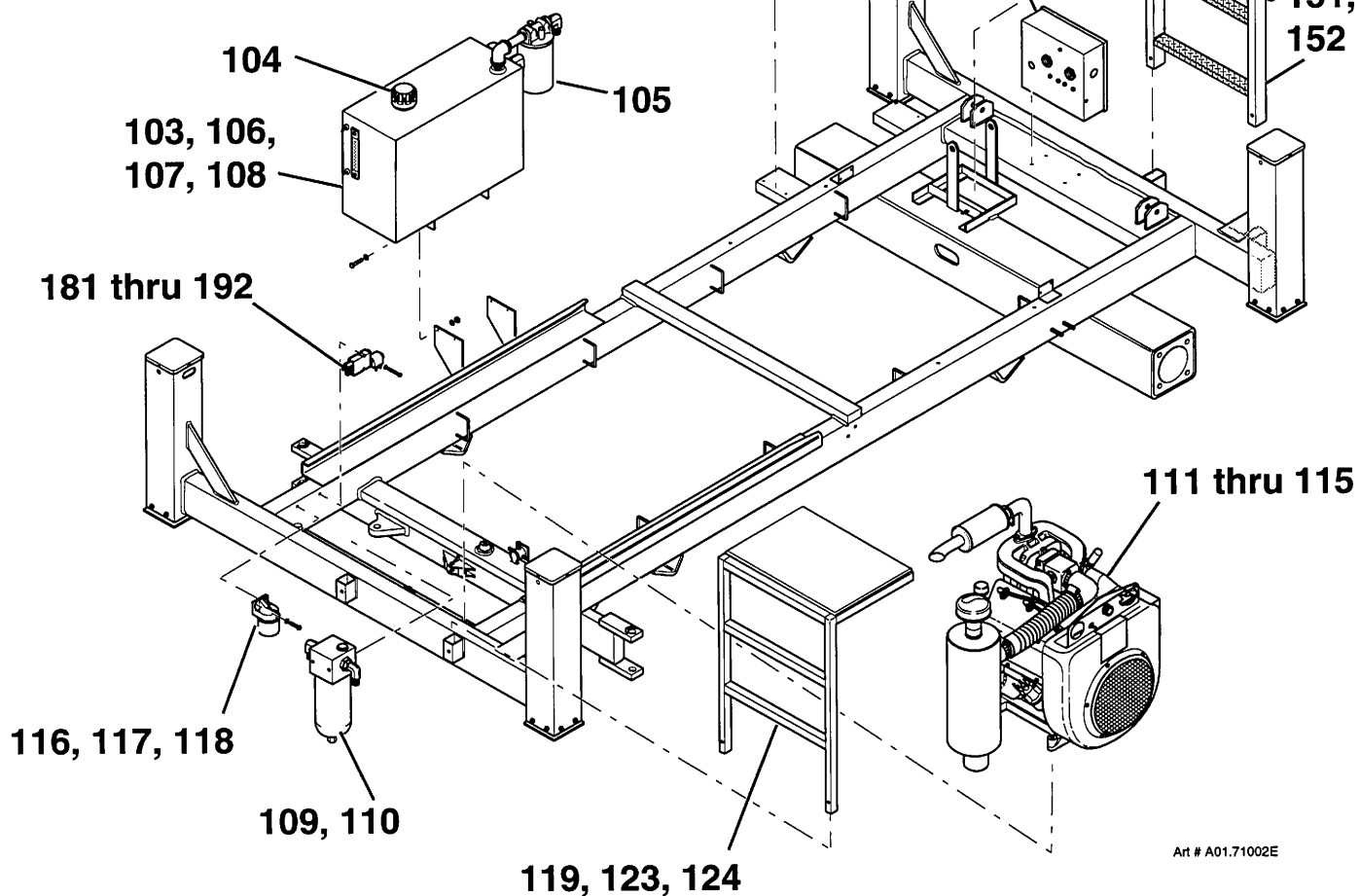
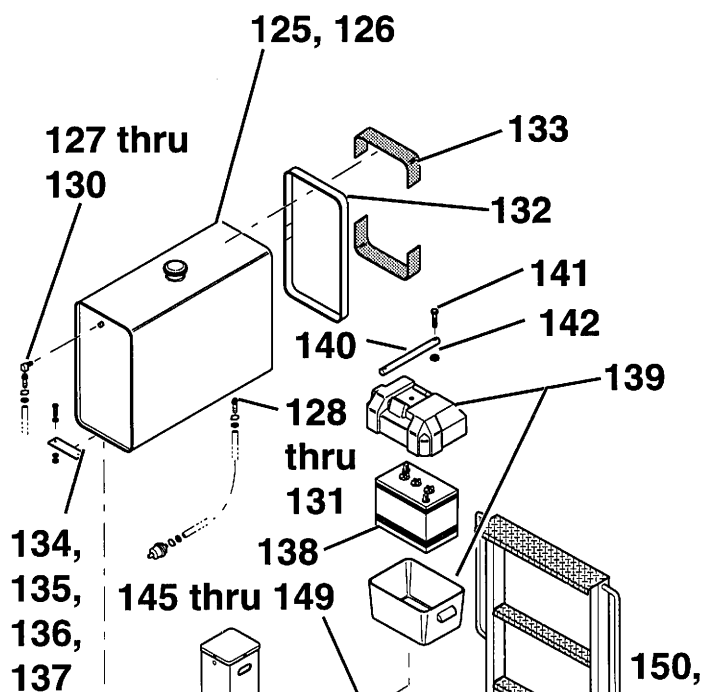
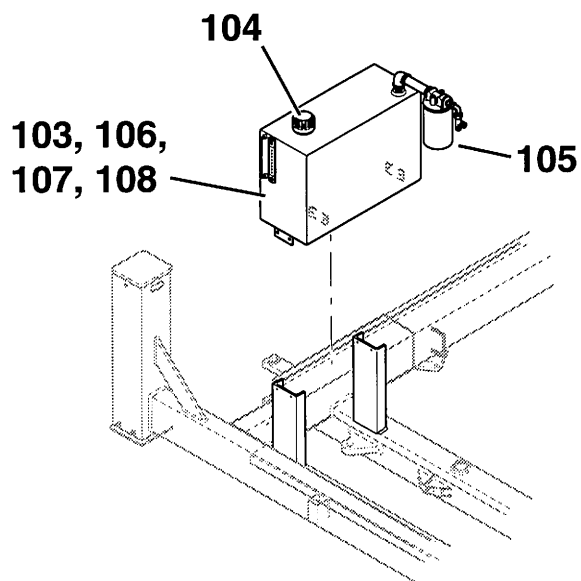
TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 6 OF 9)

PLATE NO. 01.71 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

PART NO.

Hydraulic Tank Mounting (Earlier Versions)



Art # A01.71002E

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 6 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
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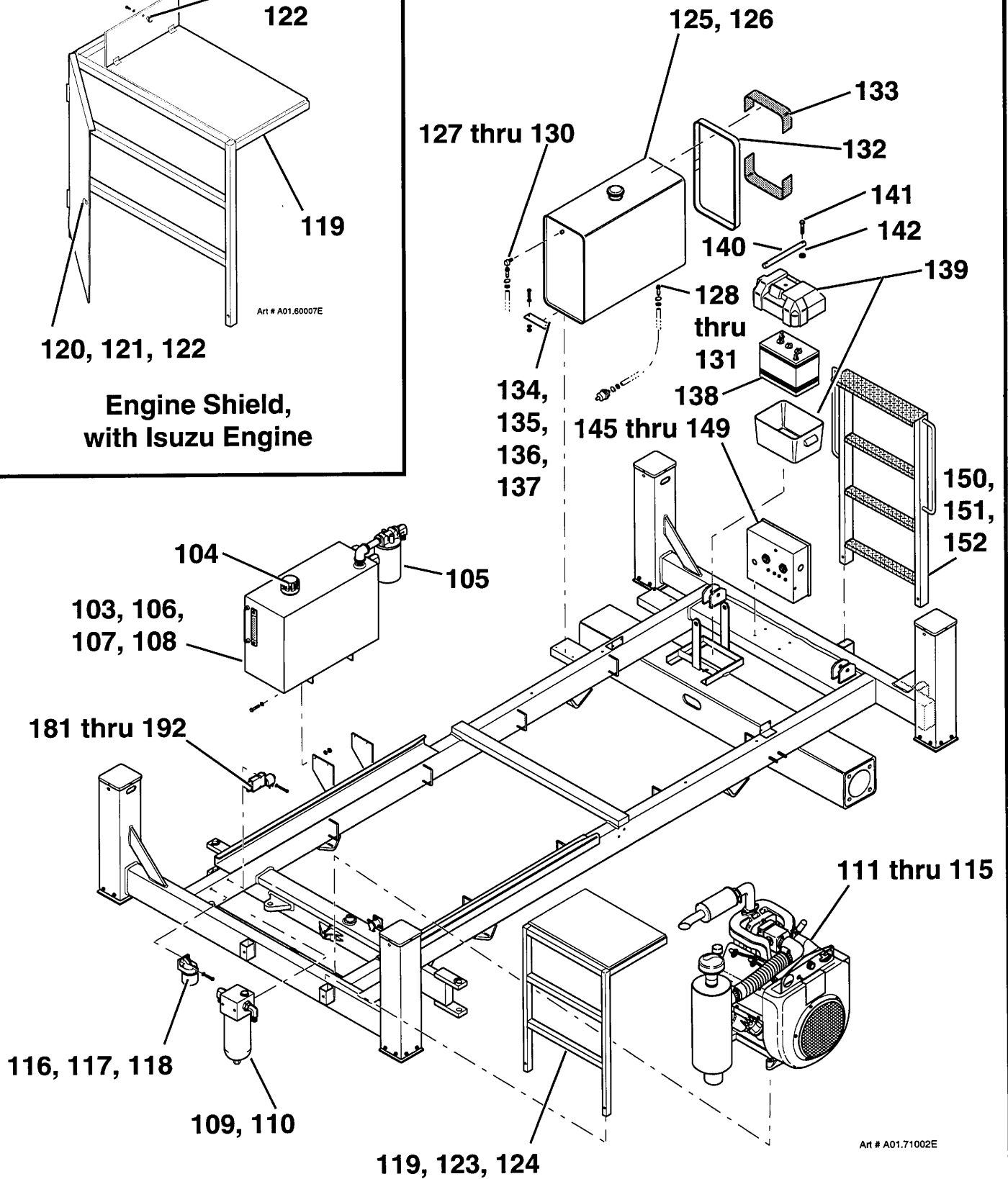
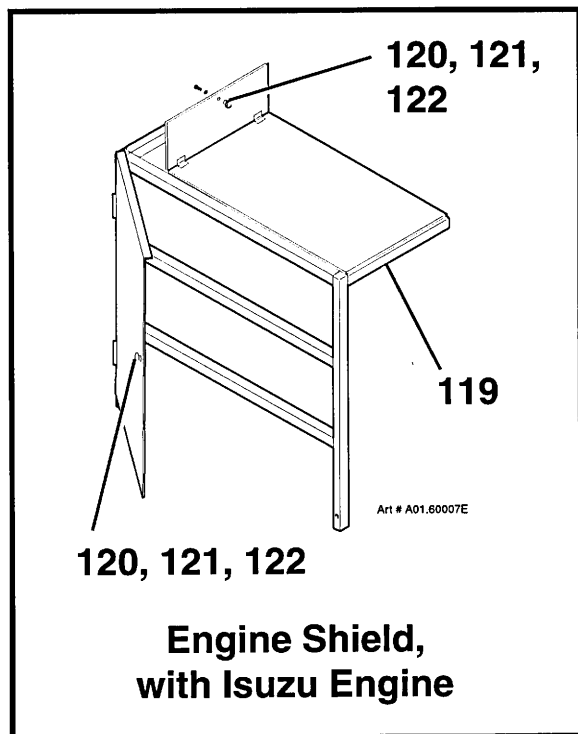
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NO.

01.71

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PLATE NO.	01.71	SIMON AERIALS INC.
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PART
NO.



TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 7 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

01.71

PARTS LIST

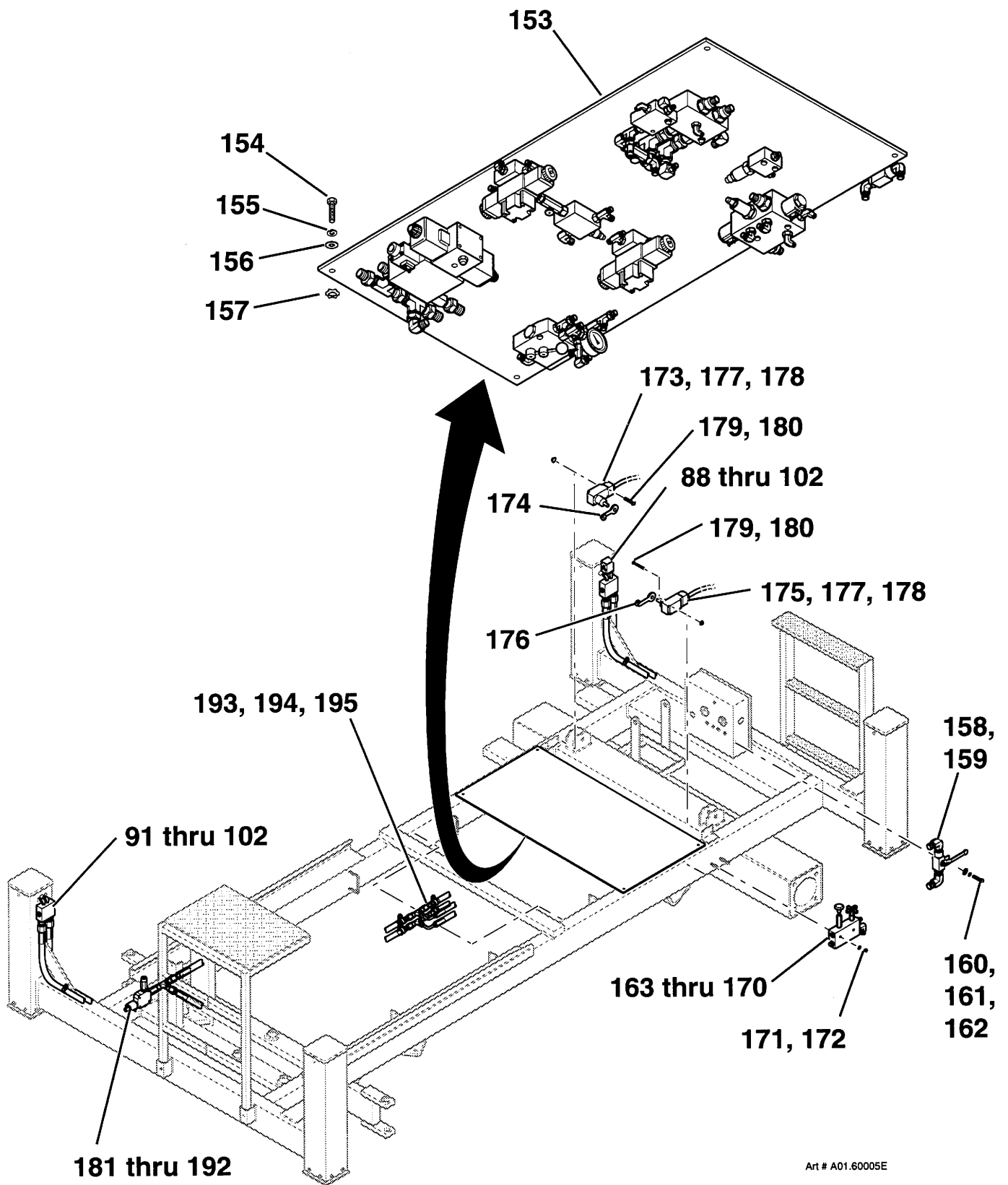
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
153	See Plate . .	27. - -	HYDRAULIC SUBPLATE ASSEMBLY	1
154	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4
155	07-065014		WASHER, HELICAL LOCK (1/4")	4
156	07-060014		WASHER, FLAT (1/4", SAE)	4
157	07-060014		WASHER, EXTERNAL TOOTH, 1/4", PLATED	4
158	222 0160		VALVE ASSEMBLY, EMERGENCY LOWERING (includes bracket)	1
159	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S) (4MJ-4MP 90°)	1
160	07-003023		CAP SCREW, HEX HEAD (5/16"-18 x 3/4", Grade 5)	1
161	07-062015		WASHER, FLAT (5/16")	2
162	07-050015		NUT, LOCK (5/16"-18, Grade 5, Nylock)	1
163	01-209800		MANIFOLD, BRAKE RELEASE	1
164			BODY, VALVE	1
165	01-209801		VALVE, NEEDLE	1
166	01-209804		PUMP, HAND	1
167	01-209803		KNOB, HAND PUMP	1
168	01-209802		SEAL KIT, HAND PUMP	1
169	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S) (4MJ-6MB)	1
170	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S) (4MJ-6MB 90°)	1
171	07-050015		NUT, LOCK (5/16"-18, Grade 5, Nylock)	2
172	07-062015		WASHER, FLAT (5/16")	8
173	03-493800		SWITCH, LIMIT (Side rotary, marked "LSYUB6B") (Right) (to cut out drive function at 25 ft [7.6 m] height) (has two normally open and two normally closed contacts) (replaces 03-606100, used earlier)	1
174	03-614500		ARM, LIMIT SWITCH (for right hand switch)	1
175	03-493700		SWITCH, LIMIT (Side rotary, marked "LSYUB1A") (Left) (to cut out high speed drive function at 12 ft [3.7 m] height) (has one normally open and one normally closed contact)	1
176	03-612100		ARM, LIMIT SWITCH (for left hand switch)	1
177	03-700400		GRIP, CORD (Plastic, 1/2", with .24" to .47" seal)	2
178	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG) (Bulk item, order as needed. 10 ft [3.0 m] required here)	A.R.
179	07-011419		MACHINE SCREW, PAN HEAD (#10-32 x 5/8", Grade 2)	4
180	07-065011		WASHER, HELICAL LOCK (#10)	4

TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 8 OF 9)

PLATE NO. 01.71 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

PART NO.



TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 8 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

01.71

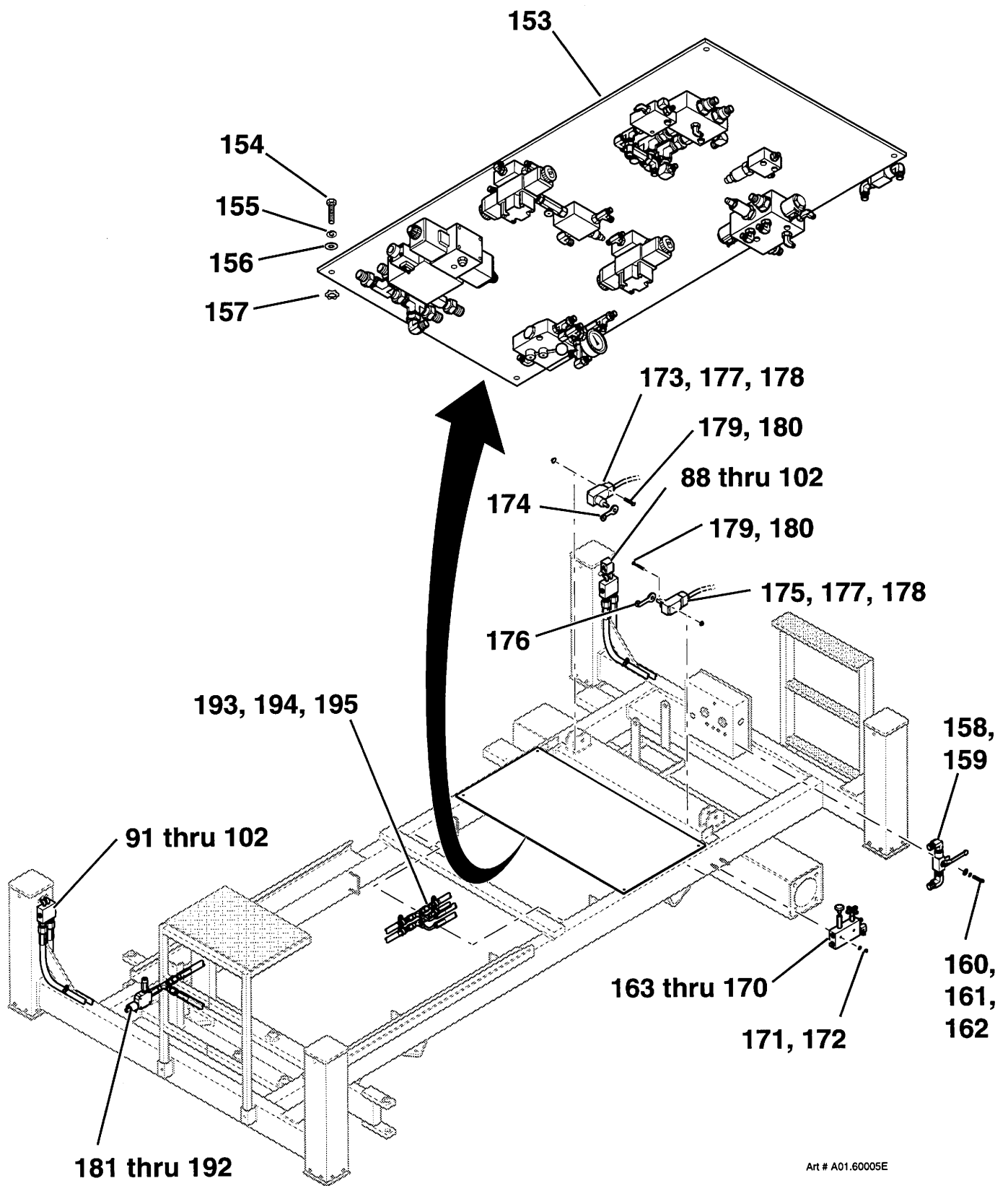
PARTS LIST

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TITLE	UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 9 OF 9)
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PLATE NO.	01.71	SIMON AERIALS INC.	REV. 31 DEC., 1996
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PART NO.



TITLE UNDERCARRIAGE ASS'Y, 4612G OR RT SCISSORS (PLATE 9 OF 9)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

01.71

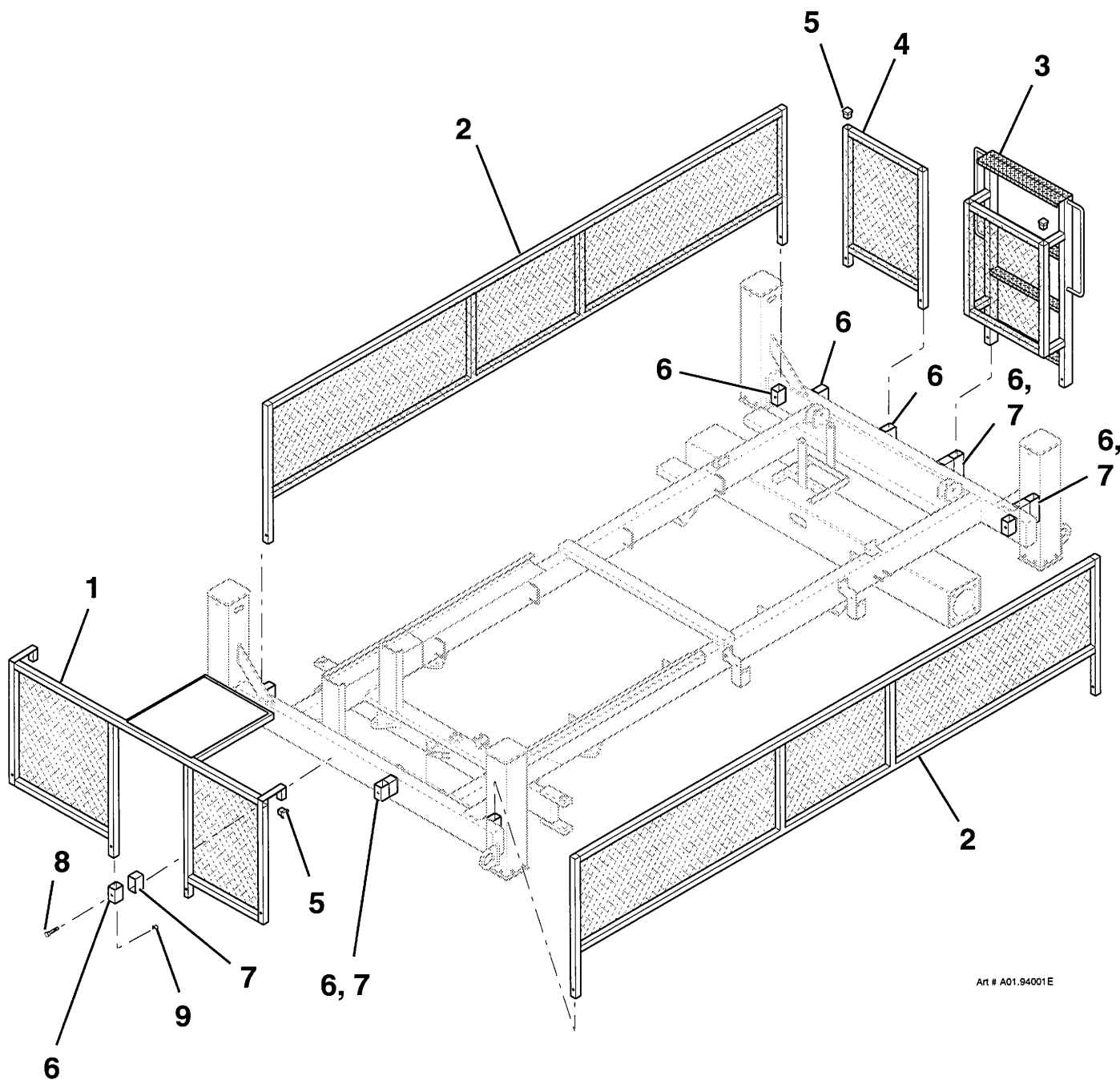
PARTS LIST

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TITLE	PINCH POINT GUARDS, 3020, 3715, 4612 SCISSORS (OPTION)
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PLATE NO. 01.94	SIMON AERIALS INC.	REV. 24 SEP., 1996	PART NO.
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PART NO.	
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Art # A01.94001E

TITLE PINCH POINT GUARDS, 3020, 3715, 4612 SCISSORS (OPTION)

SIMON AERIALS INC.

REV. 24 SEP., 1996

PART
NO.

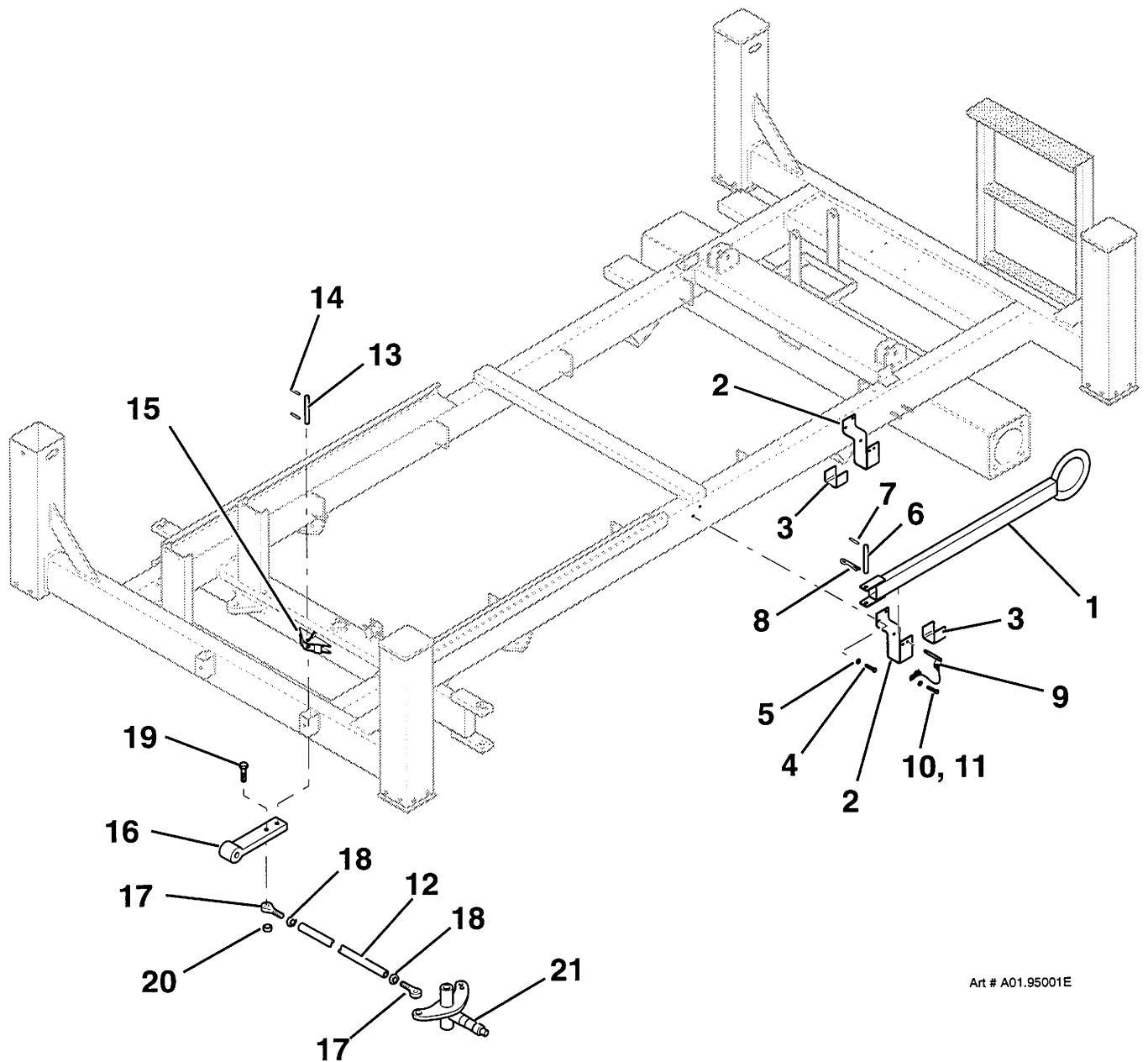
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TOW BAR (OPTION)

PART NO. 221 7600



Art # A01.95001E

TITLE

TOW BAR (OPTION)

SIMON AERIALS INC.

REV. 09 AUG., 1996

PART
NO.

221 7600

PLATE
NO.

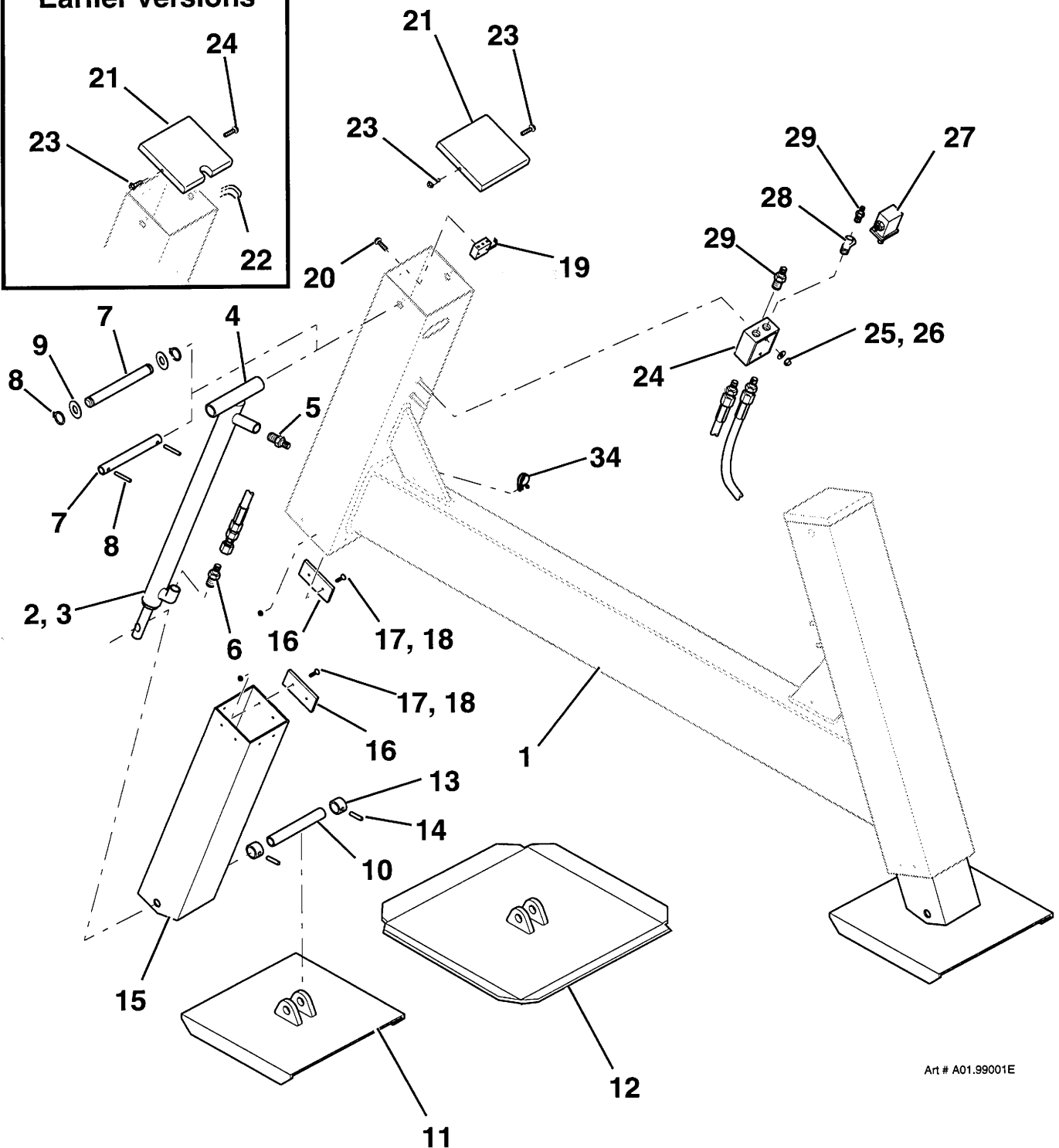
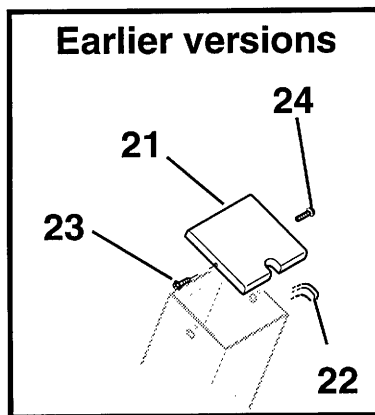
01.95

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION
1	-----		CHASSIS WELDMENT (Ref.)
2	04-053200		CYLINDER, OUTRIGGER (2" bore, 1-1/4" rod, 24"
3	04-052201		SEAL KIT, OUTRIGGER CYLINDER
4	221 7770		SPACER (welded to cylinder, item 1 or loose asse (may be needed on some earlier versions)
5	06-000600		CONNECTOR, MALE 37° TO NPT (4- 6 FTX-S)
6	06-000400		CONNECTOR, MALE 37° TO NPT (4- 4 FTX-S)
7	221 7790		PIN, OUTRIGGER CYLINDER (Upper) (0.75" x 6.8 Earlier versions (held by pins, as shown)
	222 4220		Current versions (held by retaining rings, as show
8	42-100376		PIN, ROLL (5/16" x 2") (for earlier versions)
	08-105000		RING, RETAINING (for current versions.
9			Replaces 3/4" retaining ring 08-040500, used ear
10			WASHER, FLAT (for current versions)
	221 6030		PIN, OUTRIGGER CYLINDER (Lower)
	221 7780		0.75" x 4.62" long (earlier versions)
	221 7760		0.75" x 4.94" long (current versions)
11			FOOT PAD, OUTRIGGER ("U" cross-section, star
12	221 8070		FOOT PAD, OUTRIGGER (13.5" x 13.5", larger o
13	221 7720		SPACER, LOWER earlier versions
	222 0710		current versions
14			SET SCREW, HEX SOCKET HEAD
	07-023018		1/4"-20 x 1/4", Grade 5 (earlier versions)
	07-023600		1/4"-20 x 1/2", Grade 5 (current versions)
15	221 7730		LEG, OUTRIGGER (Inner tube)
16	08-102700		PAD, WEAR (0.25" thick)
	08-102800		PAD, WEAR (0.19" thick)
17			SCREW, FLAT HEAD
	07-015005		Machine screw, 1/4"-20 x 1", Grade 5 (earlier ver
	07-102400		Cap screw, 1/4"-20 x 3/4" (current versions)
18	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)

TITLE "A" FRAME OUTRIGGERS (OPTION), 3020, 3715 OR 4612

PLATE NO. 01.99	SIMON AERIALS INC.	REV. 20 SEP., 1996	PART NO.
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Art # A01.99001E

TITLE "A" FRAME OUTRIGGERS (OPTION), 3020, 3715 OR 4612 SCISSORS

SIMON AERIALS INC.

REV. 20 SEP., 1996

**PART
NO.**

**PLATE
NO.** 01.99

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
19	03-604400		SWITCH, LIMIT (Marked "BZ2RW863 - A2")	4
20	07-011337		MACHINE SCREW, ROUND HEAD (#6-32 x 1-1/4")	8
21	221 6950		COVER, OUTRIGGER TUBE (without slot, current style)	4
			(Some earlier versions had a clearance slot for hoses, and used Edge Guard, below.)	
22	10-202200		EDGE GUARD (Trim-lok, 3" x 1/4") (for earlier versions)	
			(Bulk item, order as required)	A.R.
23	07-102300		MACHINE SCREW, HEX WASHER HEAD (#10-24 x 1/2", self-tapping)	8
24	16-800453		VALVE, CROSS PORT CHECK (Marked "LOA25D") (earlier versions)	4
	01-241100		VALVE, LOCK (current versions)	4
25	07-060016		WASHER, FLAT (3/8")	8
26	07-046016		NUT, HEX LOCK (3/8"-16)	8
27			SWITCH, PRESSURE (PDI)	A.R.
			(Two required for "side-to-side" controlled outriggers) (Four required for independently controlled outriggers)	
	03-603500		300-2,500 Lb.(136-1134 kg) (earlier versions)	
	03-720500		current versions	
28	06-074700		STREET TEE (1/4 MRO-S) (4MP-4FP-4FP) (one used with each pressure switch, Item 25)	A.R.
29	06-000400		CONNECTOR, MALE 37° TO NPT (4- 4 FTX-S) (4MJ-4MP) (two used with each pressure switch, Item 25)	A.R.
30	06-144300		HOSE END, STRAIGHT SWIVEL (4C2 - 4FJX)	12
31	06-308700		HOSE END, 90° SWIVEL (4C2 - 4FJX 90M) (replaces 24-100761)	4
32	06-155200		FERRULE (4PC1FM1A)	16
33	05-081500		HOSE (1/4") (Bulk item, order as required) (4 Ft [1.22 M] needed this application)	A.R.
34	42-100397		CLAMP, LOOM (#10, insulated)	A.R.
35	353 9390		HOSE KIT, STABILIZER OR OUTRIGGER	1

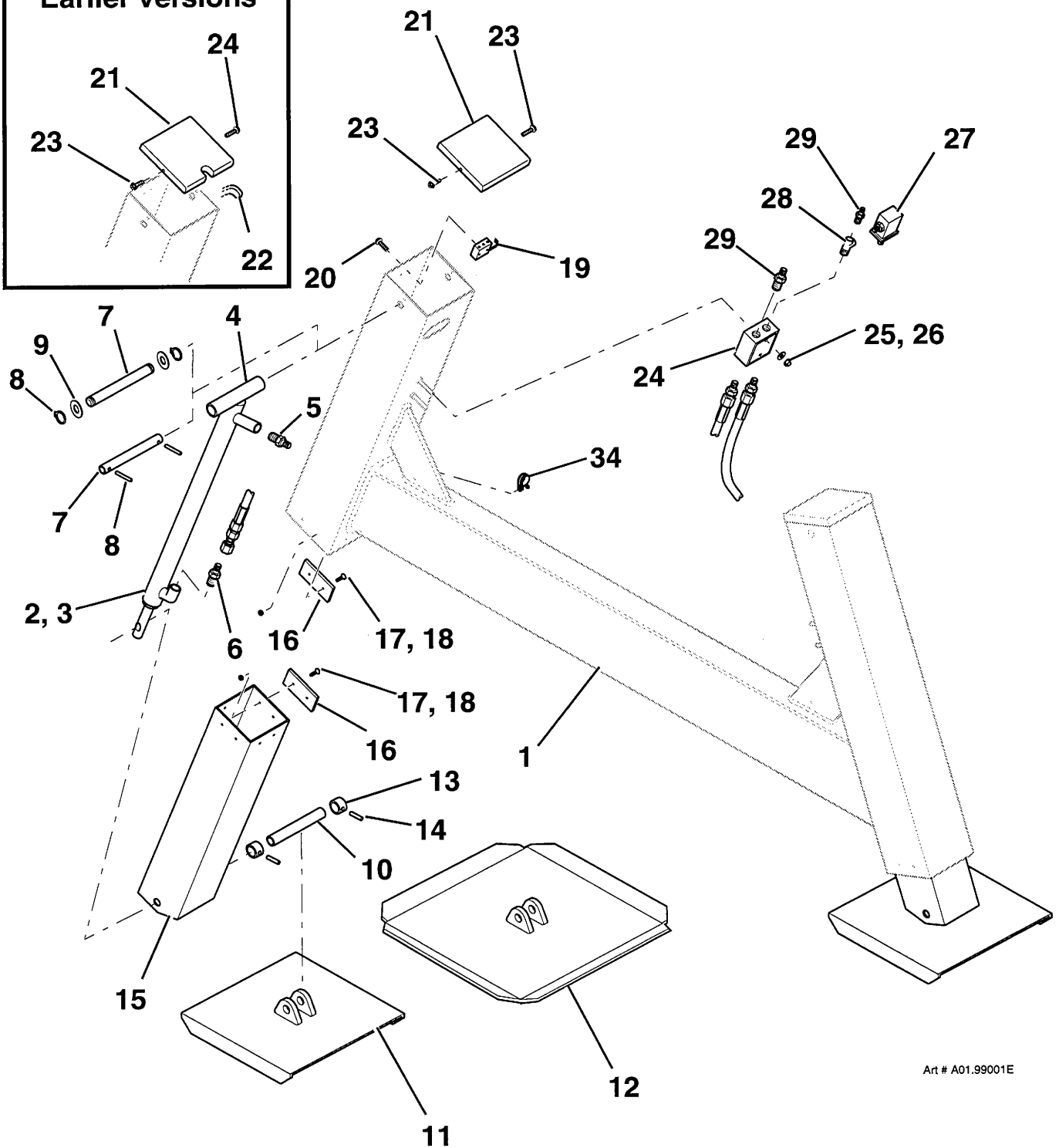
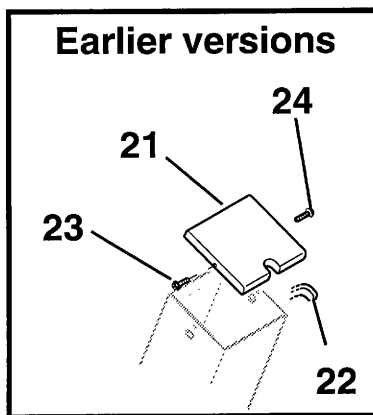
TITLE "A" FRAME OUTRIGGERS (OPTION), 3020, 3715 OR 4612 SCISSORS

PLATE NO. 01.99

SIMON AERIALS INC.

REV. 20 SEP., 1996

PART NO.



Art # A01.99001E

TITLE "A" FRAME OUTRIGGERS (OPTION), 3020, 3715 OR 4612 SCISSORS

SIMON AERIALS INC.

REV. 20 SEP., 1996

PART NO.

PLATE NO. 01.99

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			PLATFORM DECK WELDMENT for Model 3020 or 4612 (Note: Platform mounting ears are located 4.63" [118 mm] from end of weldment)	1
	221 1390 221 8820		Standard, without Rollout or Traversing Deck option with Rollout Deck option	
			for Model 3715 (Note: Platform mounting ears are located 25.38" [64.5 cm] from end of weldment)	
	222 4800 222 4810		Standard, without Rollout or Traversing Deck option with Rollout Deck option	
2	221 6460		EAR, SCISSOR MOUNTING	4
3	221 8670		BRACKET, ROLLOUT DECK ROLLER (Right) (Weld to deck in place of front rail pocket for models with optional rollout deck)	
4	221 8680		BRACKET, ROLLOUT DECK ROLLER (Left) (Weld to deck in place of front rail pocket for models with optional rollout deck)	1
5	222 4770		SIDE RAIL WELDMENT (Right)	1
6	221 3050		SIDE RAIL WELDMENT (Left)	1
7	221 3000		END RAIL WELDMENT (Control end) (Standard version, without Rollout or Traversing Deck option)	1
8	221 2990		END RAIL WELDMENT (Entry end)	1
9	07-003023		CAP SCREW, HEX HEAD (5/16"-18 x 3/4", Grade 5)	10
10	07-050015		NUT, LOCK (5/16"-18, Grade 5)	10
11	10-063200		TUBING, PIPE INSULATION (1-1/8" I.D., 1" wall, 6 Ft [1.83 M] long section) (2 Ft [.6 M] needed here)	A.R.
12	228 9910		COVER, PIPE INSULATION (Yellow, with zipper)	1
13	353 6350		CHAIN ASSEMBLY, SAFETY	1
14	11-083400		"S"-HOOK (replaces 48-100130)	1
15	24-101195		PLUG, TUBE END (for 1-1/2", #14 gauge square tube)	1
16	See plate . . .	09. - -	CONSOLE ASSEMBLY, PLATFORM CONTROL	1
17	03-067000		OUTLET, DUPLEX (110 Volt AC) (option)	1
18	03-062100		BOX, DUPLEX OUTLET	1
19	03-062200		COVER, DUPLEX OUTLET	1
20	10-155553		SCREW, SELF TAPPING (#10-24)	2
21			GRIP, CORD	3
	03-041000		Plastic, 1/2", with .38" to .44" seal (earlier versions)	
	03-700400		1/2", with .24" to .47" seal (current versions)	
22	11-085200		ENCLOSURE, TECHNICAL MANUAL STORAGE	1
23	07-085005		POP RIVET (3/16" x 5/8")	4

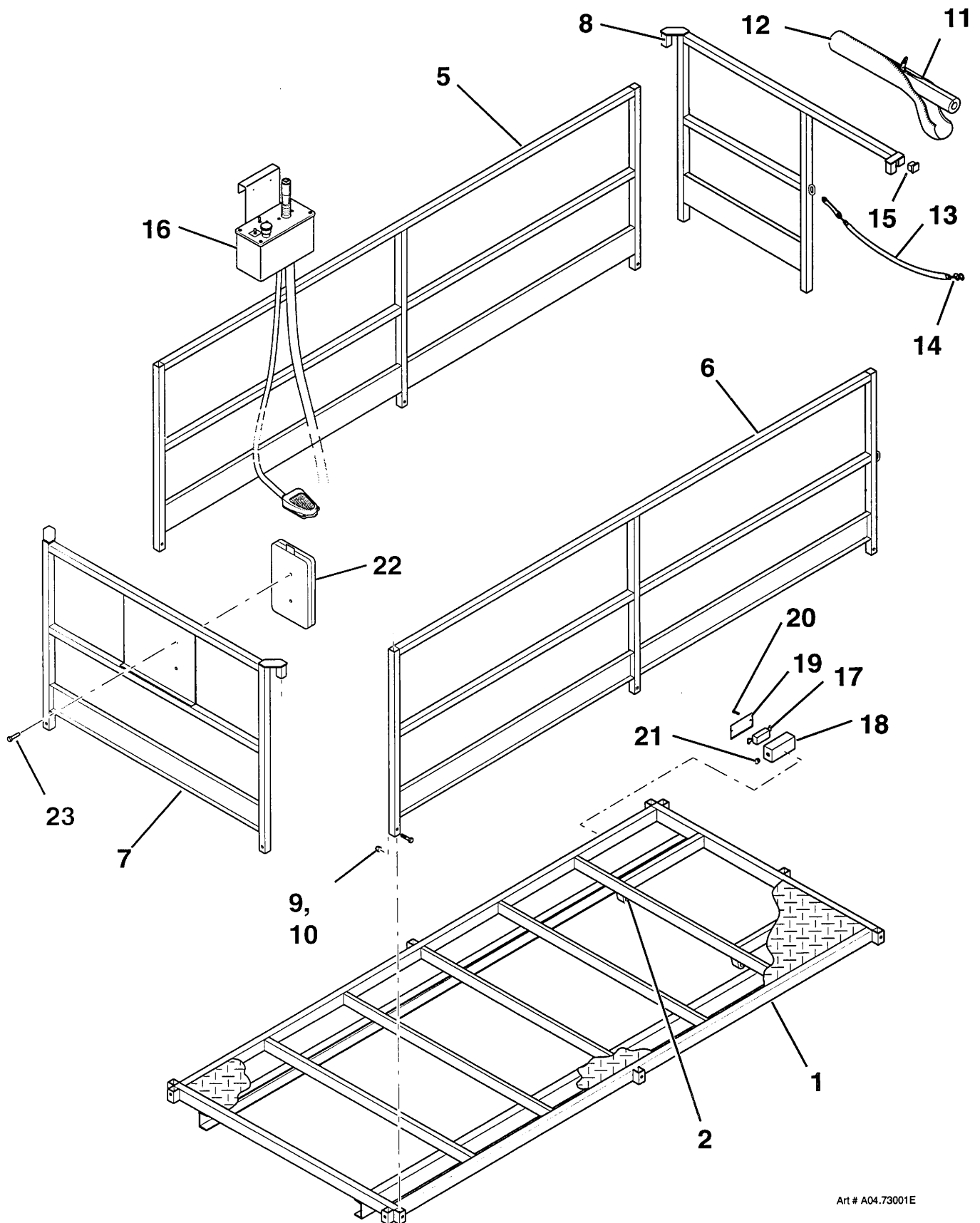
TITLE PLATFORM ASSEMBLY, 3020, 3715 OR 4612 SCISSORS (PLATE 1 OF 2)

PLATE NO. 04.73

SIMON AERIALS INC.

REV.16 AUG., 1996

PART NO.



Art # A04.73001E

TITLE PLATFORM ASSEMBLY, 3020, 3715 OR 4612 SCISSORS (PLATE 1 OF 2)

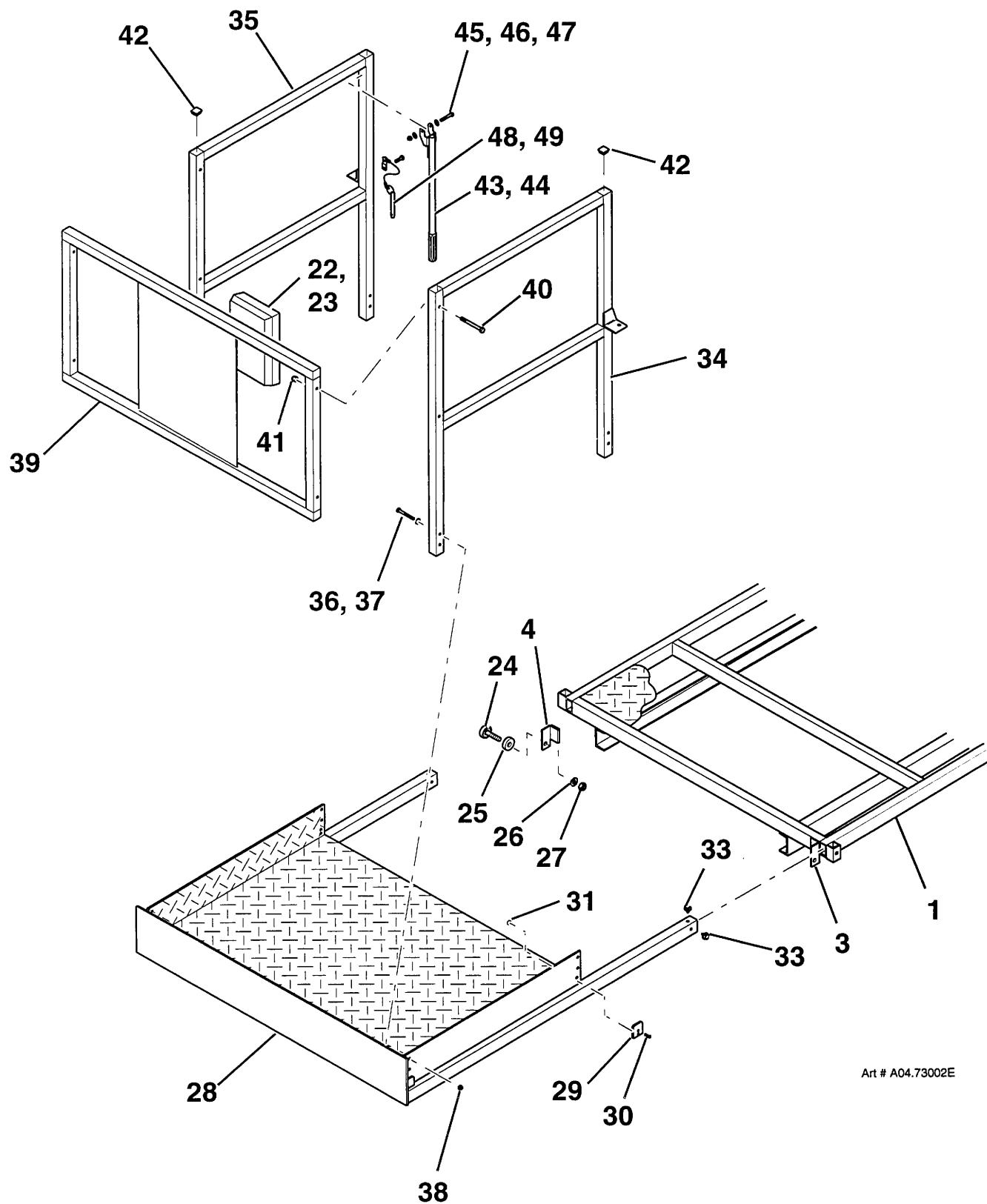
SIMON AERIALS INC.

REV. 16 AUG., 1996

PART
NO.

PLATE
NO. 04.73

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Art # A04.73002E

TITLE PLATFORM ASSEMBLY, 3020, 3715 OR 4612 SCISSORS (PLATE 2 OF 2)

SIMON AERIALS INC.

REV. 16 AUG., 1996

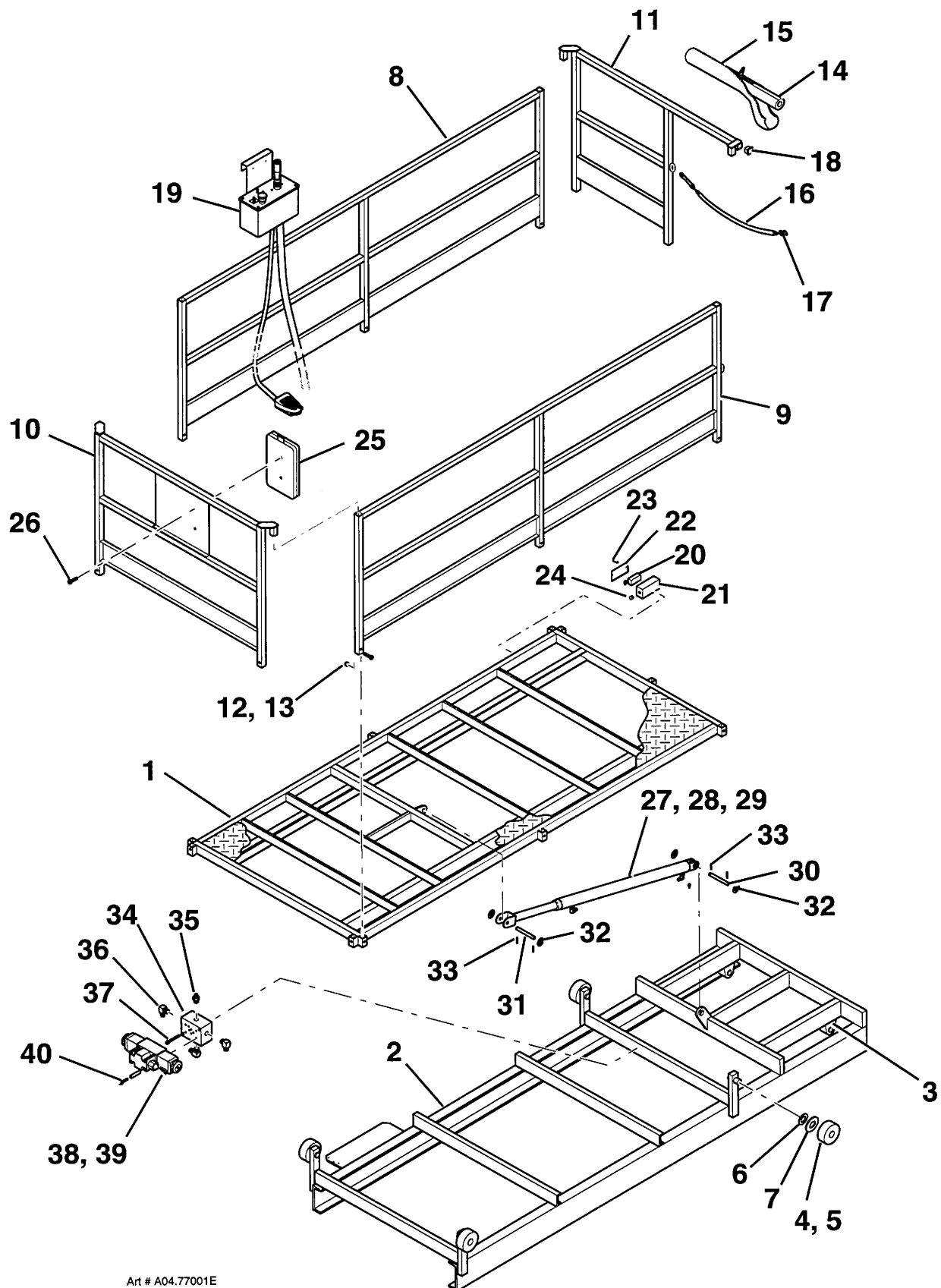
PART
NO.

PLATE
NO. 04.73

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	222 7440		PLATFORM DECK WELDMENT (6 ft x 13 ft [1.83 m x 3.96 m], with traversing deck option)	1
2	222 7450		PLATFORM BASE WELDMENT (for traversing deck)	1
3	221 6460		EAR, SCISSOR MOUNTING	4
4	231 4200		ROLLER, TRAVERSING DECK	4
5	08-101600		BUSHING (Bronze, 1-1/8" O.D., 7/8" I.D., 1" long)	4
6	---		SHIM (1.38" O.D., 0.88" I.D., .075" thick)	4
7	---		BUSHING (Bronze, 2.0" O.D., 1.0" I.D., .13" thick)	4
8	222 4770		SIDE RAIL WELDMENT (Right)	1
9	221 3050		SIDE RAIL WELDMENT (Left)	1
10	221 3000		END RAIL WELDMENT (Control end)	1
11	221 2990		END RAIL WELDMENT (Entry end)	1
12	07-003023		CAP SCREW, HEX HEAD (5/16"-18 x 3/4", Grade 5)	10
13	07-050015		NUT, LOCK (5/16"-18, Grade 5)	10
14	10-063200		TUBING, PIPE INSULATION (1-1/8" I.D., 1" wall, 6 ft [1.83 m] long section) (2 ft [.6 m] needed here)	A.R.
15	228 9910		COVER, PIPE INSULATION (Yellow, with zipper)	1
16	353 6350		CHAIN ASSEMBLY, SAFETY	1
17	11-083400		"S"-HOOK (replaces 48-100130)	1
18	24-101195		PLUG, TUBE END (for 1-1/2", #14 gauge square tube)	1
19	See plate . .	09. - -	CONSOLE ASSEMBLY, PLATFORM CONTROL	1
20	03-067000		OUTLET, DUPLEX (110 Volt AC) (option)	1
21	03-062100		BOX, DUPLEX OUTLET	1
22	03-062200		COVER, DUPLEX OUTLET	1
23	10-155553		SCREW, SELF TAPPING (#10-24)	2
24			GRIP, CORD	3
	03-041000		Plastic, 1/2", with .38" to .44" seal (earlier versions)	
	03-700400		1/2", with .24" to .47" seal (current versions)	
25	11-085200		ENCLOSURE, TECHNICAL MANUAL STORAGE	1
26	07-085005		POP RIVET (3/16" x 5/8")	4

TITLE PLATFORM ASS'Y (TRAVERSING), 3020, 3715, 4612 SCISSORS (1 OF 2)			
PLATE NO.	04.77	SIMON AERIALS INC. REV. 05 DEC., 1996	PART NO.

PART
NO.



TITLE PLATFORM ASS'Y (TRAVERSING), 3020, 3715, 4612 SCISSORS (1 OF 2)

SIMON AERIALS INC.

REV. 05 DEC., 1996

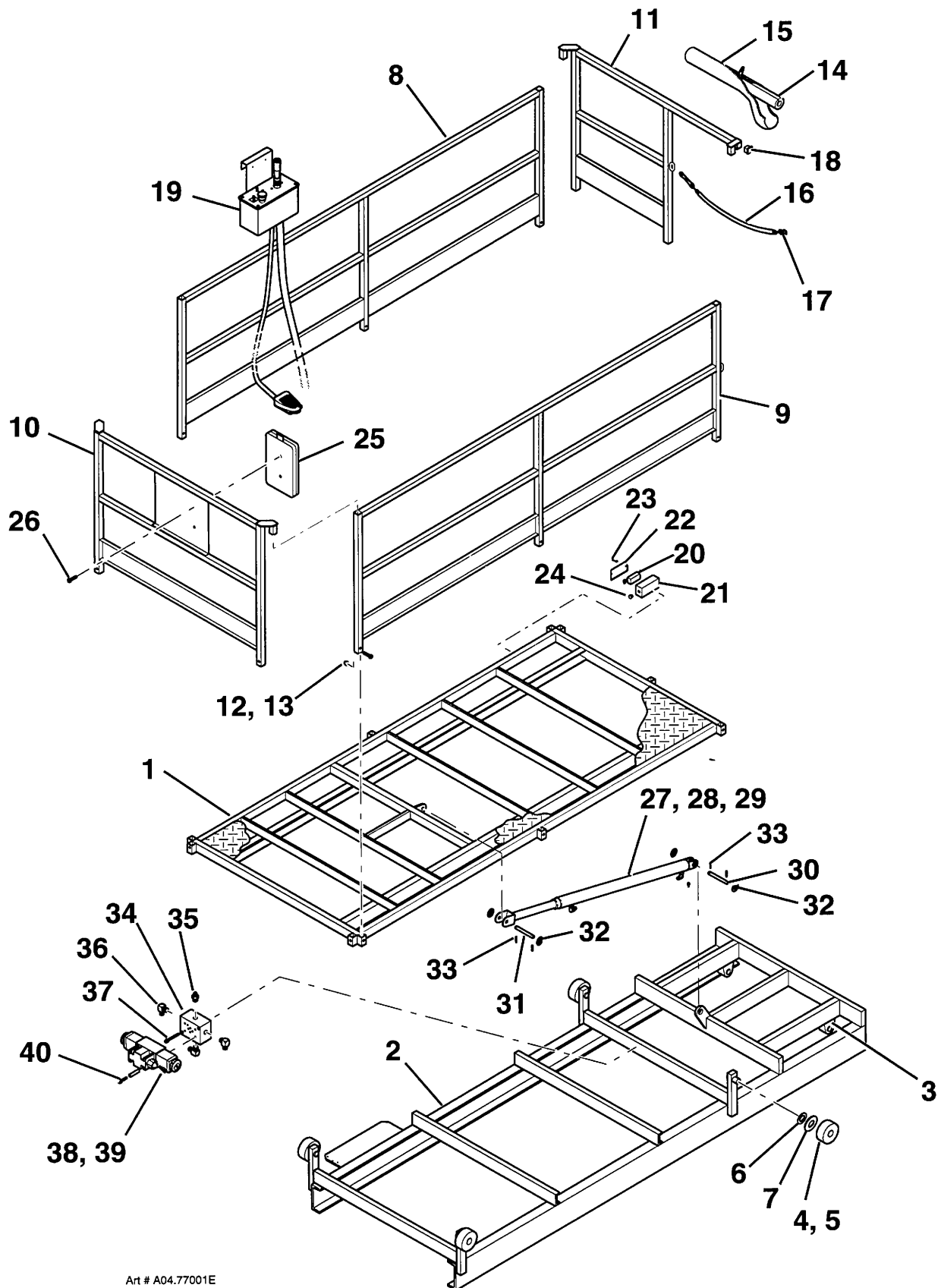
PART
NO.

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04.77

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PLATE NO. 04.77	SIMON AERIALS INC.	REV. 05 DEC., 1996	PART NO.
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Art # A04.77001E

TITLE PLATFORM ASS'Y (TRAVERSING), 3020, 3715, 4612 SCISSORS (2 OF 2)

SIMON AERIALS INC.

REV. 05 DEC., 1996

PART
NO.

PLATE
NO.

04.77

PARTS LIST

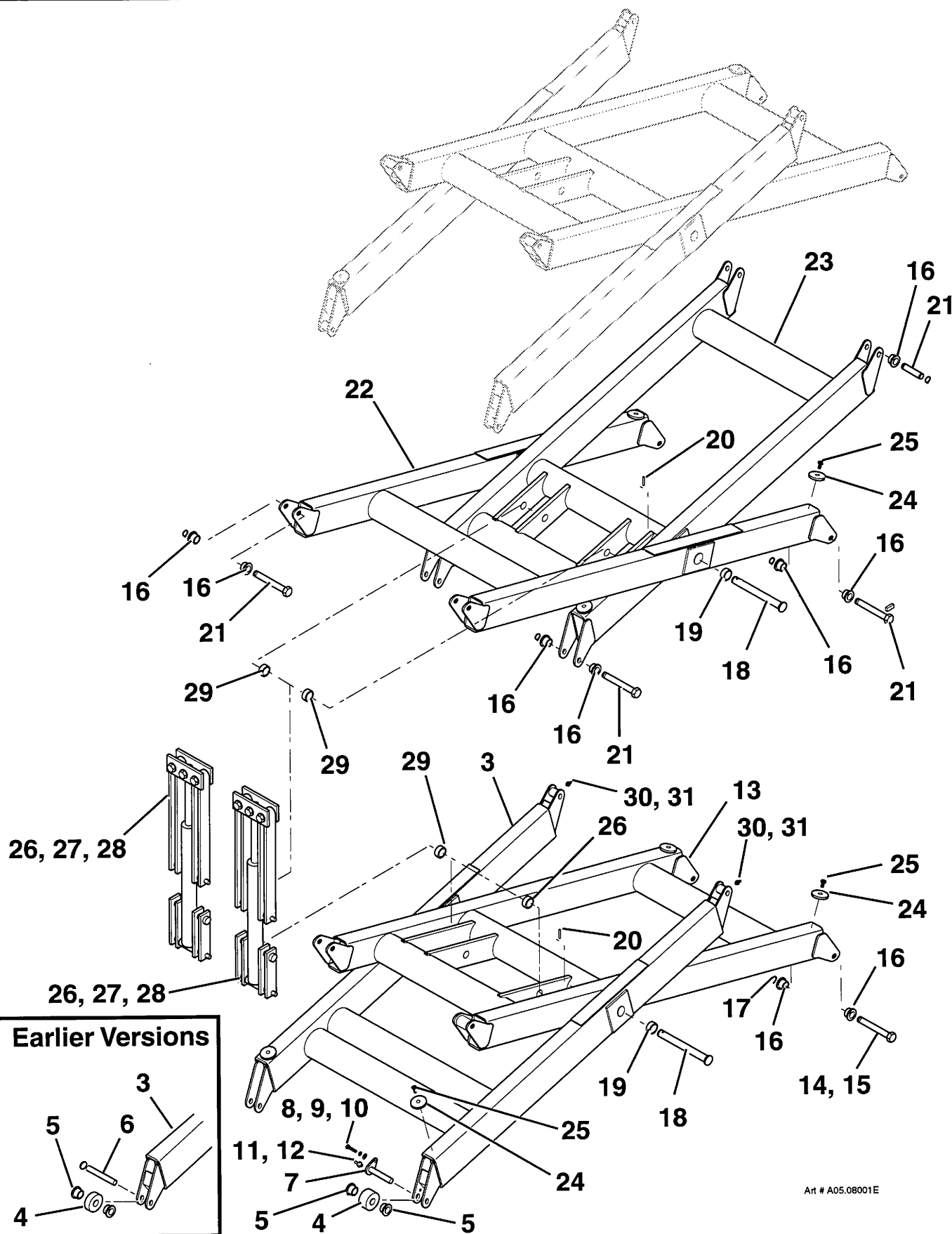
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	354 7050		SCISSORS ARM SET GROUP	1
2			SCISSORS ARM ASSEMBLY	1
3	236 1150		ARM WELDMENT (Outer, bottom [#1] segment)	1
4	221 6580		ROLLER, SCISSOR ARM (lower)	2
5			BUSHING, SCISSOR ARM ROLLER (flanged)	
	08-100300		Brass, 1" I.D., 1.25" O.D., .75" long (earlier version)	4
	08-077700		Bronze, 1" I.D., 1.25" O.D., .75" long (current version)	2
	08-077800		Bronze, 1" I.D., 1.25" O.D., 1.0" long (current version)	2
6	221 9120		PIN, SCISSOR ARM ROLLER (lower) (earlier version)	2
7	235 9850		PIN, SCISSOR ARM ROLLER (lower) (current version)	2
8	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
9	07-065016		WASHER, HELICAL LOCK (3/8")	2
10	07-062014		WASHER, FLAT (3/8")	2
11	11-201400		FITTING, GREASE (1/4")	2
12	08-066300		COVER, GREASE FITTING (White plastic)	2
13	236 1090		ARM WELDMENT (Inner, bottom [#1] segment)	1
14	221 9090		PIN (Bottom [#1] inner arm to undercarriage frame)	2
15	07-100000		ROLL PIN (5/16" x 2")	4
16	08-100200		BUSHING (Oilite, flanged. 1.00" I.D., 1.88" O.D., 1" long) (replaces 26-800527)	50
17	08-040600		RING, SNAP	4
18	222 6350		PIN, CENTER	12
19	08-075600		BUSHING (Fibre glide) (replaces 26-800498)	24
20	07-102900		PIN	12
21	222 6450		PIN (Arm to arm connecting)	20
22	236 1160		ARM WELDMENT (Outer, #2 segment)	1
23	236 1100		ARM WELDMENT (Inner, #2 segment)	1
24	10-214600		BUMPER (Nylon)	20
25	07-015003		MACHINE SCREW, FLAT HEAD (1/4"-20 x 3/4", Grade 5)	20
26	See plate . .	11.82	CYLINDER, LIFT (Lower)	2
27			FUSE, VELOCITY	
	03-611500		5 GPM (18.9 L/ min) (color coded Black)	2
28	06-051600		90° ELBOW, SWIVEL NUT (8 C6X-S)	2
29	08-105100		BUSHING (Fibre glide)	16
30	11-201400		FITTING, GREASE	22
31	08-066300		CAP, GREASE FITTING (White plastic)	22

TITLE ARM SET GROUP, MODEL 4612 (PLATE 1 OF 4, LOWER ARM SET)

PLATE NO. 05.09 **SIMON AERIALS INC.**

REV. 07 OCT., 1996

PART NO. 354 7050



TITLE ARM SET GROUP, MODEL 4612 (PLATE 1 OF 4, LOWER ARM SET)

SIMON AERIALS INC.

REV. 07 OCT., 1996

PART NO. 354 7050

PLATE NO. 05.09

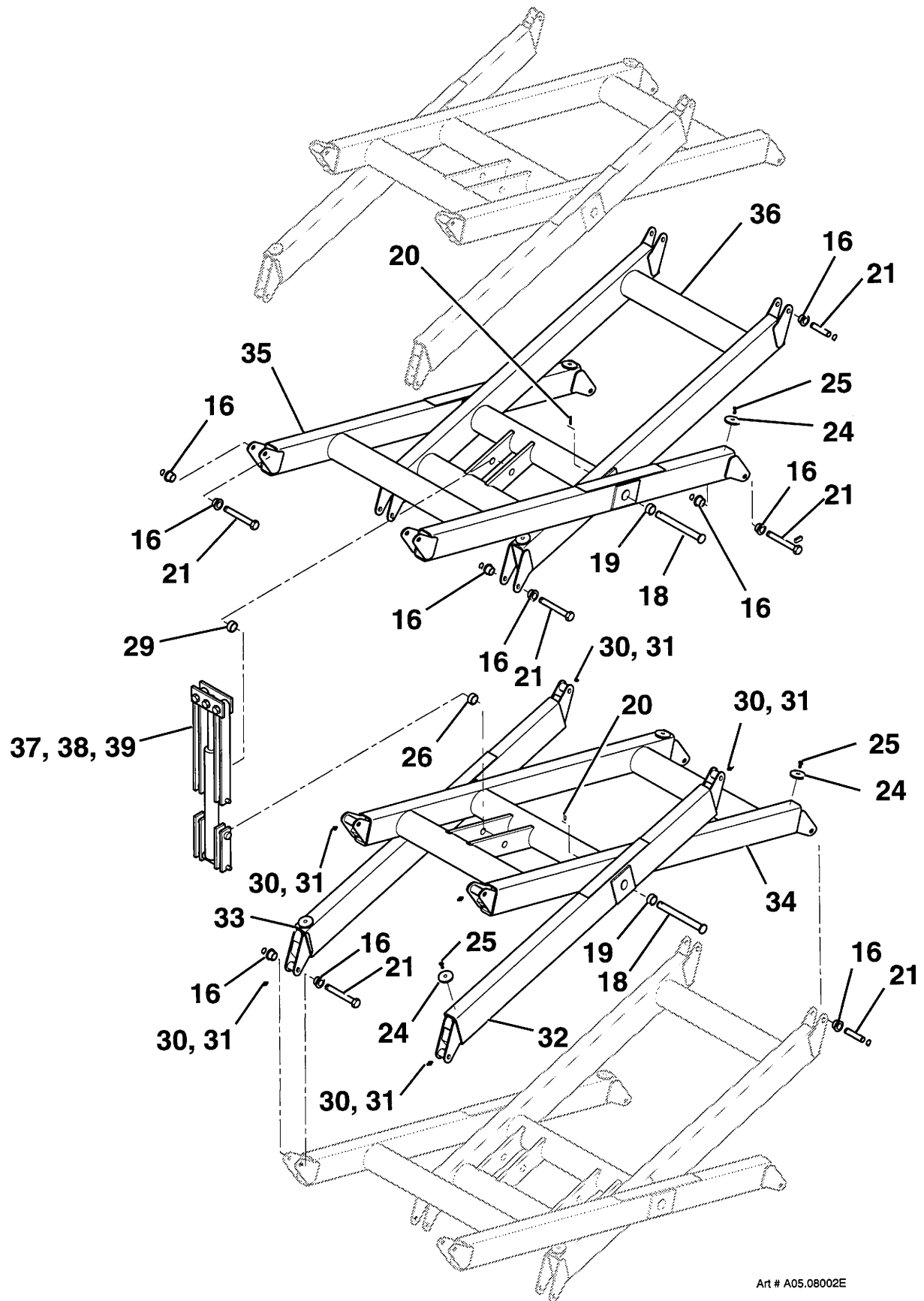
PARTS LIST

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TITLE	ARM SET GROUP, MODEL 4612 (PLATE 2 OF 4, MIDDLE ARM SET)
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PLATE NO.	05.09	SIMON AERIALS INC.	REV. 07 OCT., 1996
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PART NO. 354 7050



Art # A05.08002E

TITLE ARM SET GROUP, MODEL 4612 (PLATE 2 OF 4, MIDDLE ARM SET)

SIMON AERIALS INC.

REV. 07 OCT., 1996

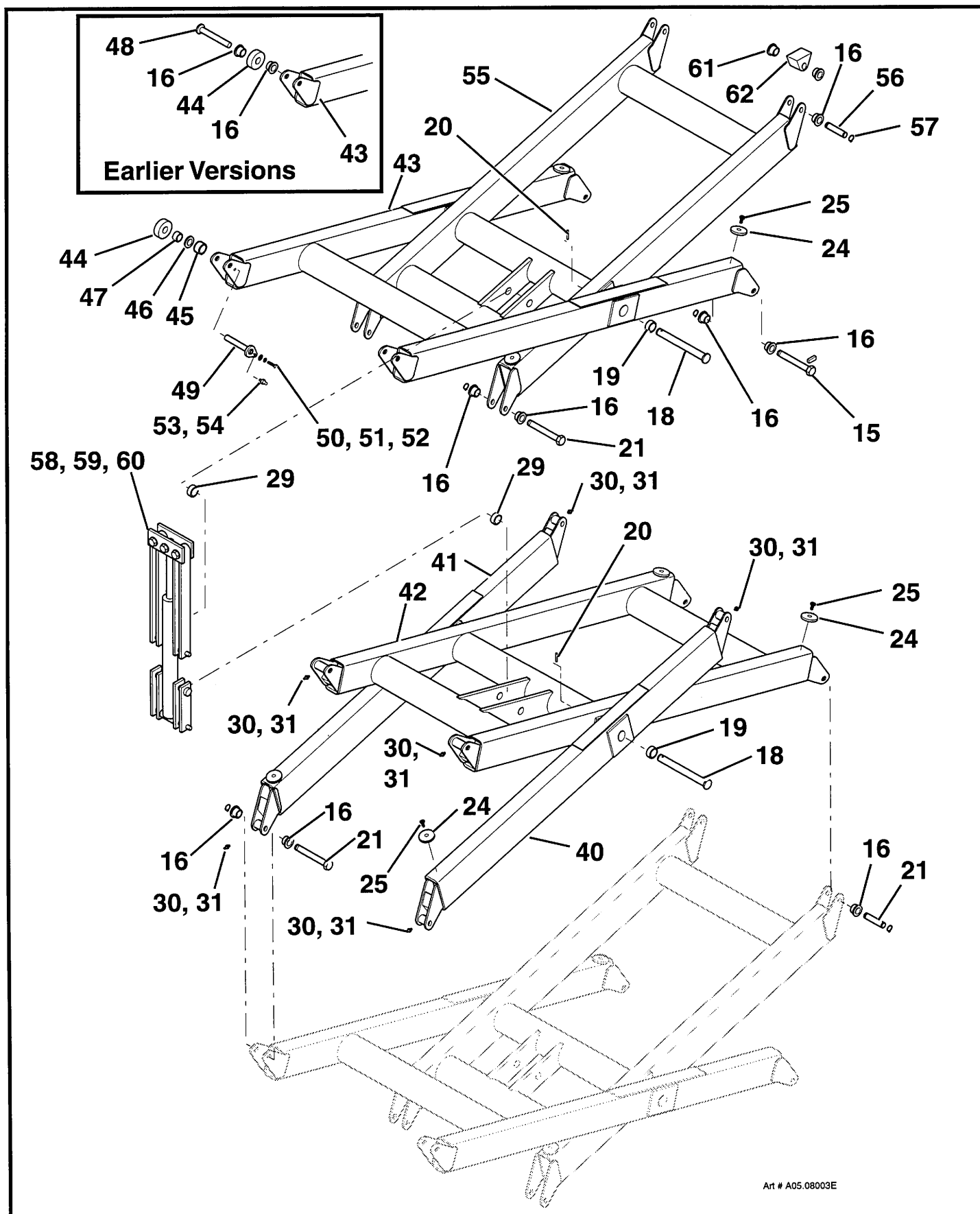
PART NO. 354 7050

PLATE NO. 05.09

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PLATE NO.	05.09	SIMON AERIALS INC.	REV. 07 OCT., 1996	PART NO.	354 7050
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REV. 07 OCT., 1996



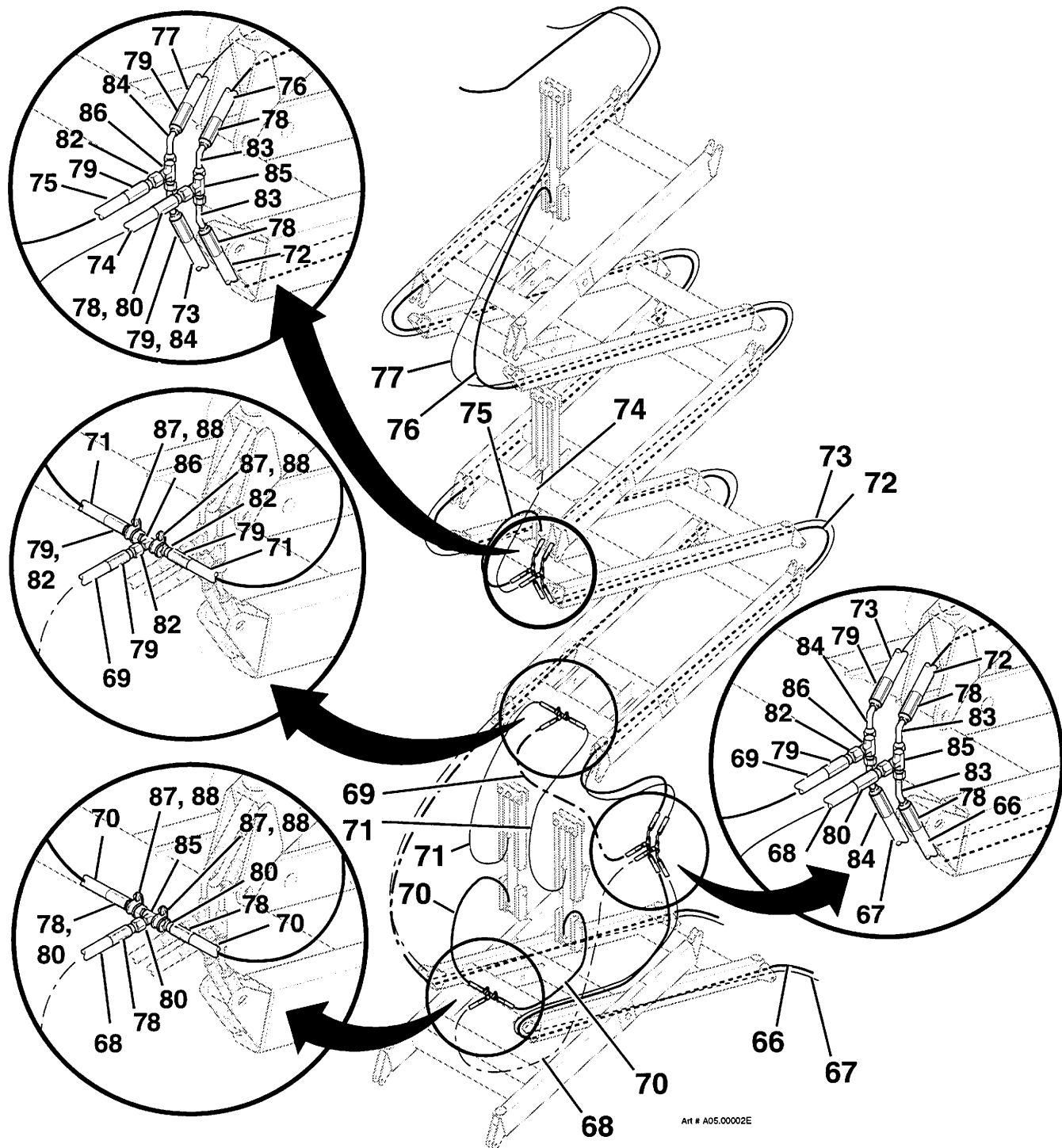
TITLE ARM SET GROUP, MODEL 4612 (PLATE 3 OF 4, UPPER ARM SET)

SIMON AERIALS INC.

REV. 07 OCT., 1996

PART NO. 354 7050

PLATE NO. 05.09



TITLE SCISSOR ARM FITTINGS AND HOSES, MODEL 4612 (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 07 OCT., 1996

PART NO. 354 7050

PLATE NO. 05.09

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
62	221 6460		SCISSORS ARM SET GROUP (continued) EAR, SCISSOR MOUNTING (Welds to underside of platform)	2
63	05-081600		HOSE, HYDRAULIC (3/8") (Bulk item. Can be cut to fit as shown on chart, below. Also see Hose Kit, Item 65.)	A.R.
64	05-081500		HOSE, HYDRAULIC (1/4") (Bulk item. Can be cut to fit as shown on chart, below. Also see Hose Kit, Item 65.)	A.R.
65	05-109200		HOSE KIT, 4612 SCISSORS ARM SET	1

Key No.	Hose		Size:	Ferrule (Need 2)	Fitting (End 1)	Fitting (End 2)
	From:	To:				
66 67	Bottom of scissors	First union tee	3/8" x 13 ft 8 in (4.16 m) 1/4" x 26 ft 3 in (8.0 m)	Item 78 (2) Item 79 (2)	Item 80 Item 82	Item 83 Item 84
68 69	First union tee	Bottom cyl. union tee	3/8" x 38 in (0.95 m) 1/4" x 38 in (0.95 m)	Item 78 (2) Item 79 (2)	Item 80 Item 82	Item 80 Item 82
70 71	Bottom cyl. union tee	(2) Bottom cylinders	3/8" x 38 in (0.95 m) (2) 1/4" x 40 in (1.0 m) (2)	Item 78 (4) Item 79 (4)	Item 80 (2) Item 82 (2)	Item 81 (2) Item 82 (2)
72 73	First union tee	Middle cyl. union tee	3/8" x 20 ft 7 in (6.27 m) 1/4" x 20 ft 7 in (6.27 m)	Item 78 (2) Item 79 (2)	Item 83 Item 84	Item 83 Item 84
74 75	Middle cyl. union tee	Middle cylinder	3/8" x 45 in (1.12 m) 1/4" x 70 in (1.75 m)	Item 78 (2) Item 79 (2)	Item 80 Item 82	Item 81 Item 82
76 77	Middle cyl. union tee	Top cylinder	3/8" x 24 ft 6 in (7.47 m) 1/4" x 24 ft 9 in (7.54 m)	Item 78 (2) Item 79 (2)	Item 83 Item 84	Item 81 Item 82

78	06-000030		FERRULE, HOSE END (6MP 3KPCA)	7
79	06-155200		FERRULE, HOSE END (4MP 3KPCA)	7
80	06-144900		STRAIGHT FITTING, HOSE END (6-6 FJX-S)	6
81	06-145200		STRAIGHT FITTING, HOSE END (6-8 FJX-S)	4
82	06-144300		STRAIGHT FITTING, HOSE END (4-4 FJX-S)	10
83	06-212500		45° FITTING, HOSE END (6C2-6 FJX-S)	4
84	06-212400		45° FITTING, HOSE END (4C2-4 FJX-S)	4
85	06-021000		UNION TEE, 37° MALE (6 JTX-S)	4
86	06-020800		UNION TEE, 37° MALE (4 JTX-S)	4
87	08-800509		CLAMP, HOSE (12.25" to 12.38" dia.)	26
88	10-800510		SCREW	26

TITLE SCISSOR ARM FITTINGS AND HOSES, MODEL 4612 (PLATE 4 OF 4)

PLATE NO. 05.09 **SIMON AERIALS INC.**

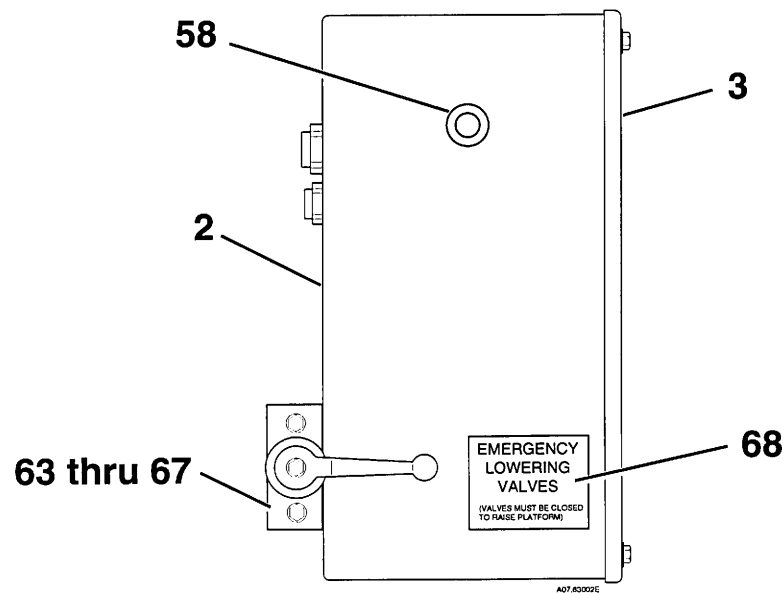
REV. 07 OCT., 1996

PART NO. 354 7050

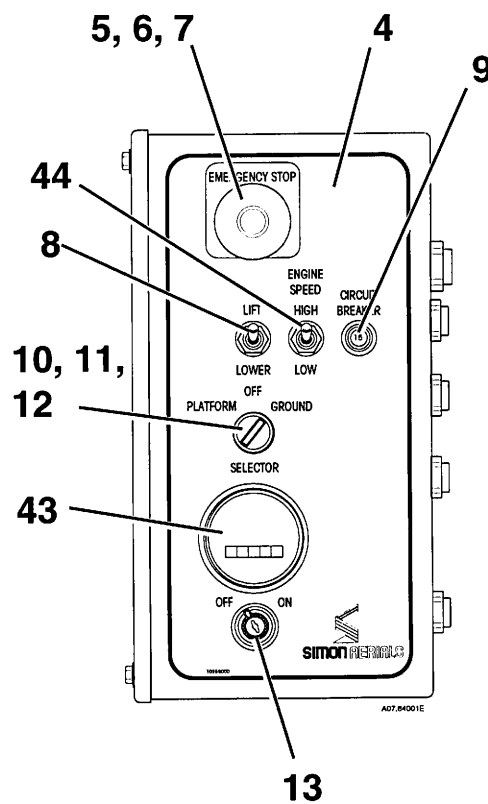
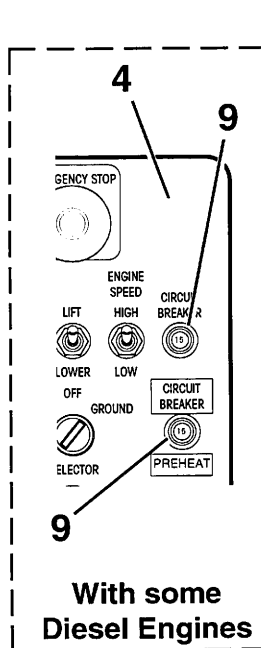
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PLATE NO. 07.56	SIMON AERIALS INC.
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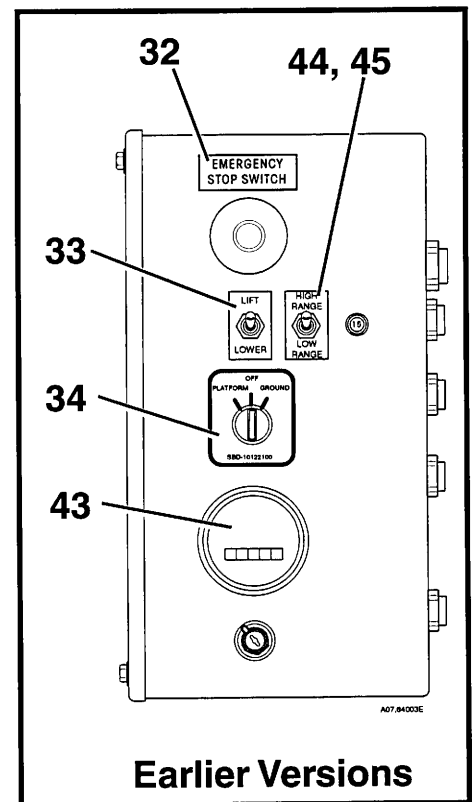
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Left Side View



Right Side View



Earlier Versions

TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 1 OF 4)

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART NO.

PLATE NO. 07.56

PARTS LIST

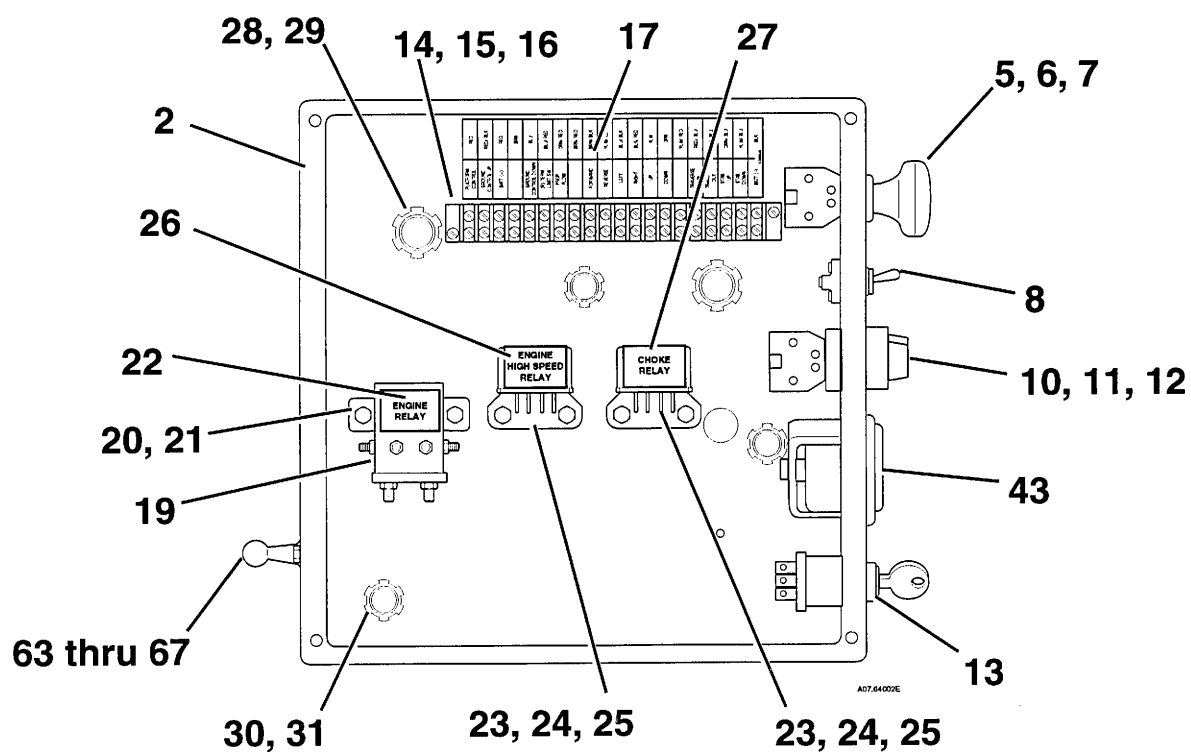
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
14	03-610100		BLOCK, TERMINAL (20 position)	1
15	07-011335		CAP SCREW, SLOTTED PAN HEAD (#6-32 x 1/2")	2
16	07-050007		NUT, STOP (#6-32, Grade 5)	2
17			DECAL, 20 POSITION TERMINAL BLOCK	1
	10-279900		For versions except as listed below	
	10-280000		For versions with optional side by side outriggers, but without optional traversing deck	
18	03-603400		DIODE (3 Amp, 1000 Volt)	7
19	22-700060		RELAY, SOLENOID (Engine) (12 Volt DC, with one normally open, one normally closed circuit)	1
20	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	2
21	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
22	10-232400		DECAL, "ENGINE RELAY"	1
23	22-101306		RELAY, POWER	2
24	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	4
25	07-050014		NUT, STOP (1/4"-20, Grade 5)	4
26	10-265800		DECAL, "ENGINE HIGH SPEED RELAY"	1
27	10-265600		DECAL, "CHOKE RELAY"	1
28	03-700500		GRIP, CORD (Plastic, 3/4", with .545 to .708" dia. seal)	2
29	03-055600		NUT, CONDUIT LOCK (3/4")	2
30	03-700400		GRIP, CORD (Plastic, 1/2", with .236 to .472" dia. seal)	3
31	03-055500		NUT, CONDUIT LOCK (1/2")	3
			The following items were found on earlier versions of Lower Control Box Assembly 354 4390:	
32	47-100224		DECAL, "EMERGENCY STOP SWITCH"	
			(used on earlier versions with separate decals)	1
33	10-209500		PLATE, "LIFT/ LOWER" (Silver type on Black) (earlier style)	1
	10-209500		DECAL, "UP/ DOWN" (Black type on White, with arrows)	
			(Some earlier versions. Replaced by "Lift/ Lower" plate.)	1
	48-101202		PLUG, CAP (1/2", plastic) (Earlier versions, when optional engine speed switch is not fitted)	1
34	10-225800		DECAL, "PLATFORM/ OFF/ GROUND" (earlier versions) (some versions were labelled "10-122100")	1

TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 2 OF 4)

PLATE NO. 07.56 **SIMON AERIALS INC.**

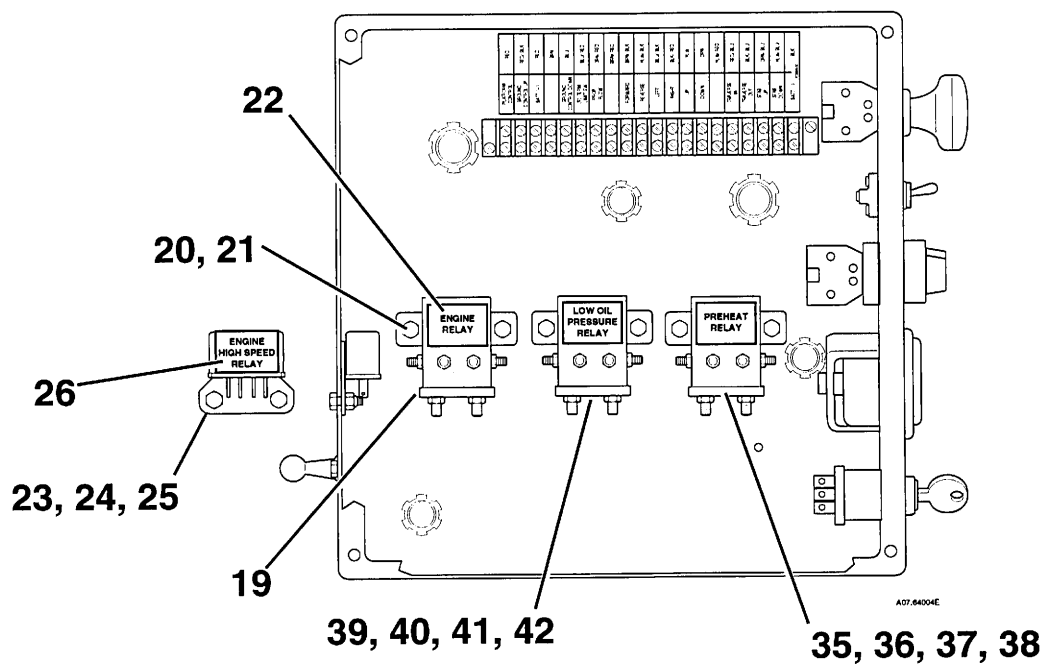
REV. 03 DEC., 1996

PART NO.



With Gas or Dual Fuel Engines (Typical Application)

With optional Diesel Engines (Typical Application)



TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 2 OF 4)

SIMON AERIALS INC.

REV. 03 DEC., 1996

**PART
NO.**

**PLATE
NO.**

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with Lower Control Box Assembly 354 4390:	
35	22-700060		RELAY, SOLENOID (Preheat) (with optional Diesel engines) (12 Volt DC, one normally open, one normally closed circuit)	1
36	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	2
37	07-050014		NUT, STOP (1/4"-20, Grade 5)	2
38	10-232900		DECAL, "PREHEAT RELAY"	1
39	22-700060		RELAY, SOLENOID (Low oil pressure) (used with some optional engines) (12 Volt DC, with one normally open, one normally closed circuit)	1
40	07-003001		CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)	4
41	07-050014		NUT, STOP (1/4"-20, Grade 5)	4
42	10-232500		DECAL, "LOW OIL PRESSURE RELAY"	1
43	03-030500		HOUR METER (24 Volt) (option)	1
44	03-020400		SWITCH, TOGGLE (Engine speed, option) (2 position, maintained contact)	1
45	10-205100		PLATE, "HIGH RANGE/ LOW RANGE" (Earlier versions, when optional engine speed switch is fitted)	1
46			ALARM, MOVEMENT (option)	1
	03-466100		with gas or optional dual fuel engines (97 db)	
	03-464600		with optional Diesel engines (102 db)	
47	03-987100		SENSOR, LEVEL (3°) (option) (replaces 03-610800)	1
48	03-051500		RELAY, PLUG IN (12 Volt DC, single pole) (option)	1
49	03-051600		SOCKET, RELAY (single pole, snap mount)	1
50	03-051700		RAIL, TERMINAL (1 m [39.37"] long section. Cut to fit.)	1
51	07-011335		MACHINE SCREW, SLOTTED PAN HEAD (#6-32 x 1/2")	2
52	07-050007		NUT, STOP (#6-32, Grade 5)	2
53	03-050100		RELAY, PLUG IN (12 Volt DC, double pole) (option)	1
54	03-052800		RELAY, TIME DELAY (0.1 to 102.3 second, 12 VDC) (option)	1
55	03-037500		SOCKET, RELAY (double pole, 8 pin)	2
56	07-011419		MACHINE SCREW, PAN HEAD (#10-32 x 5/8")	4
57	07-050111		NUT, STOP (#10-32, Grade 2)	4

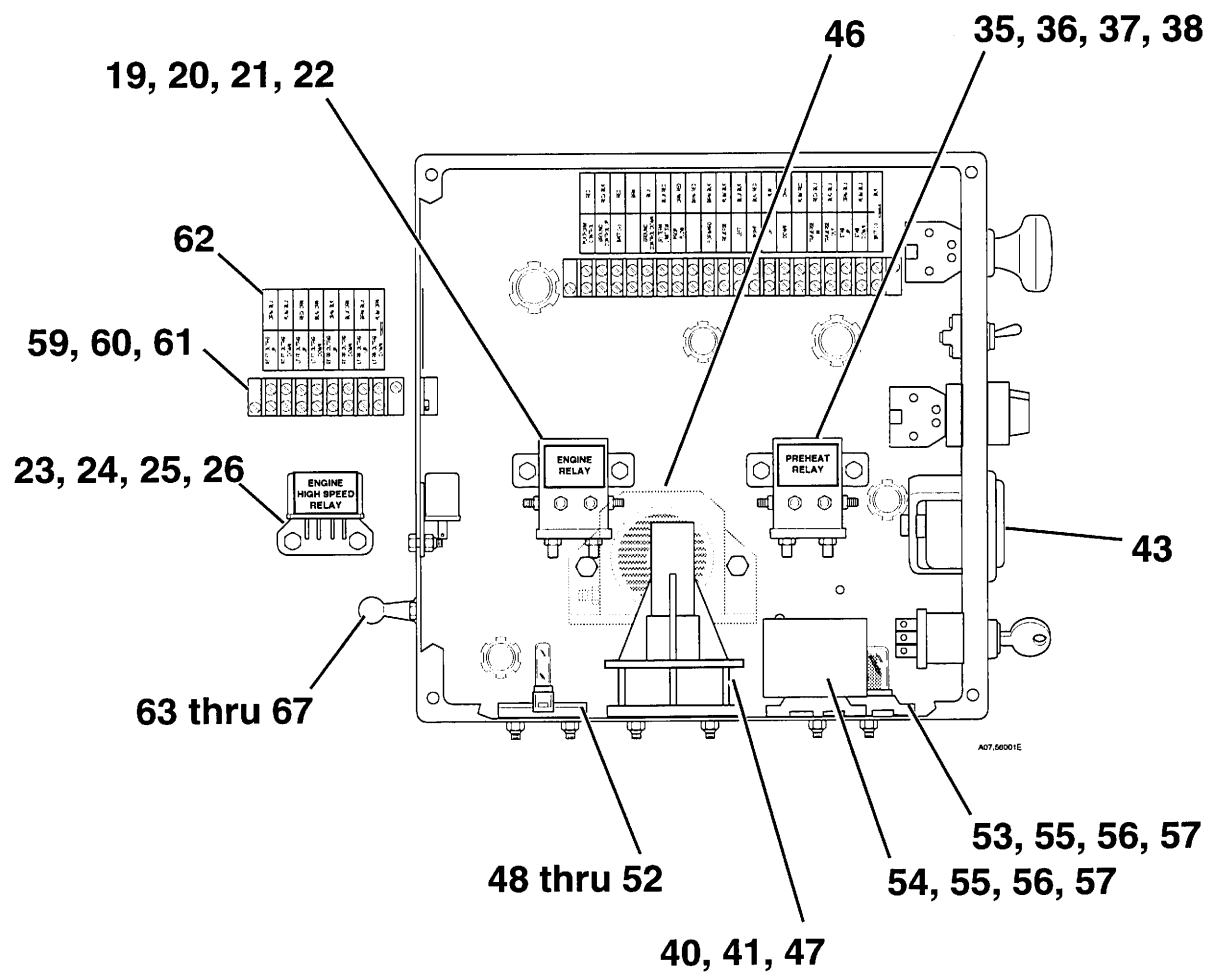
TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 3 OF 4)

PLATE NO. 07.56

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART NO.



**With optional equipment or
some special applications**

TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 3 OF 4)

SIMON AERIALS INC.

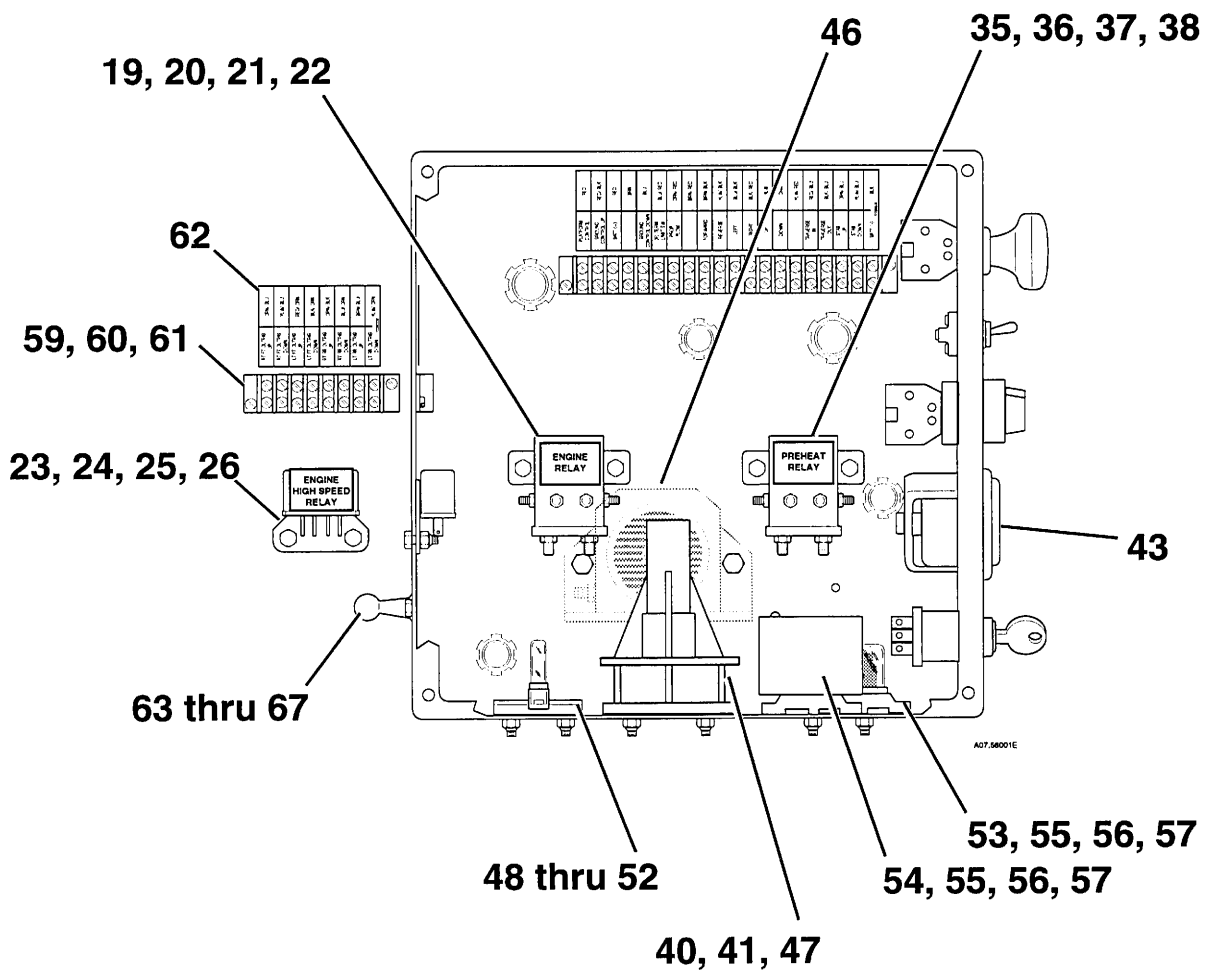
REV. 03 DEC., 1996

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PLATE NO.	07.56	SIMON AERIALS INC.	REV. 03 DEC., 1996	PART NO.
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With optional equipment or
some special applications

TITLE LOWER CONTROL BOX, ENGINE POWERED SCISSORS (PLATE 4 OF 4)

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART
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PARTS LIST

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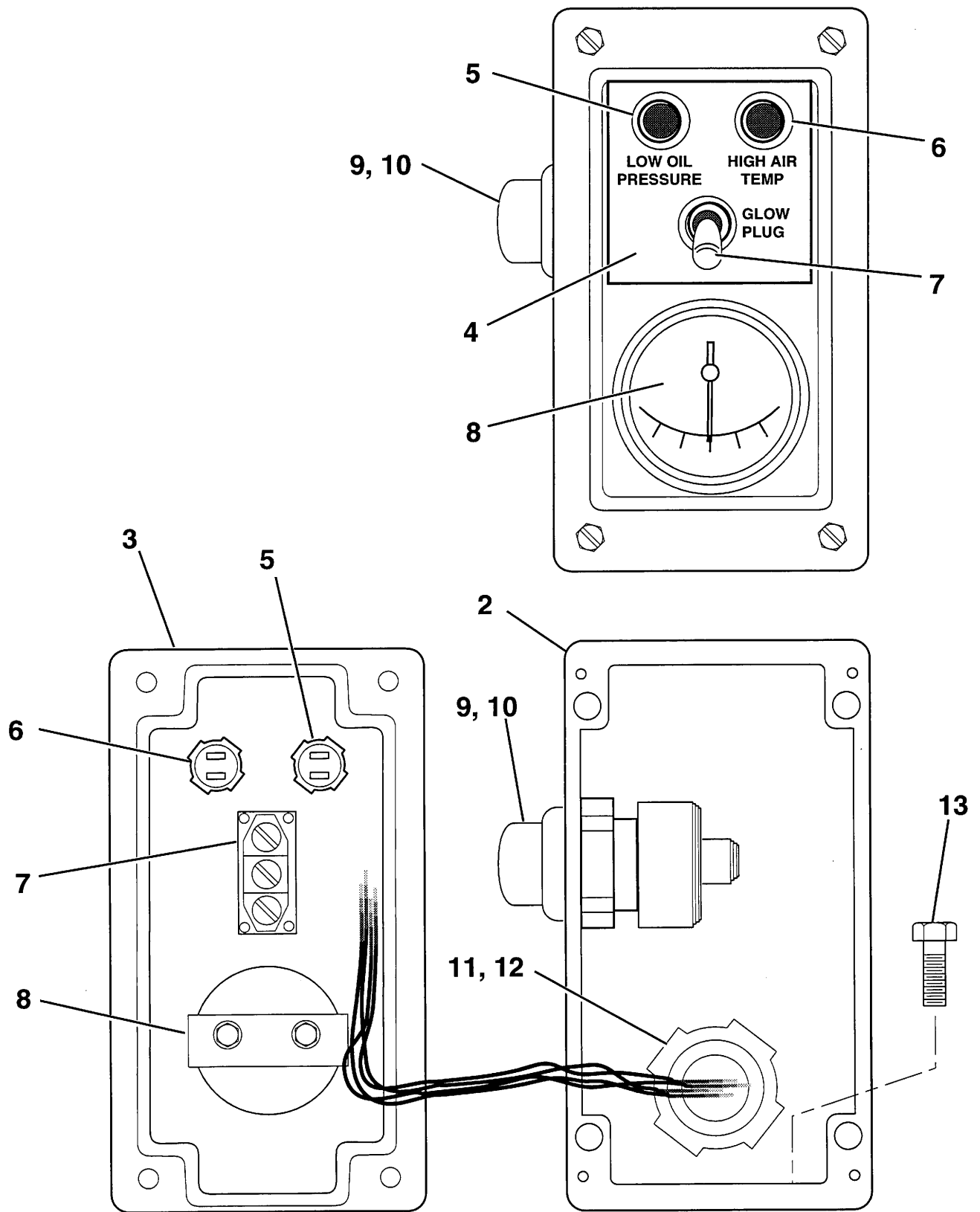
TITLE	MOTOR CONTROL BOX (SCISSORS, WITH DEUTZ ENGINE)
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PLATE NO. 07.66

SIMON AERIALS INC. REV. 24 SEP., 1996

REV. 24 SEP., 1996

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Art # A07.66001E

TITLE MOTOR CONTROL BOX (SCISSORS, WITH DEUTZ ENGINE)

SIMON AERIALS INC.

REV. 24 SEP., 1996

PART NO.

PLATE NO.

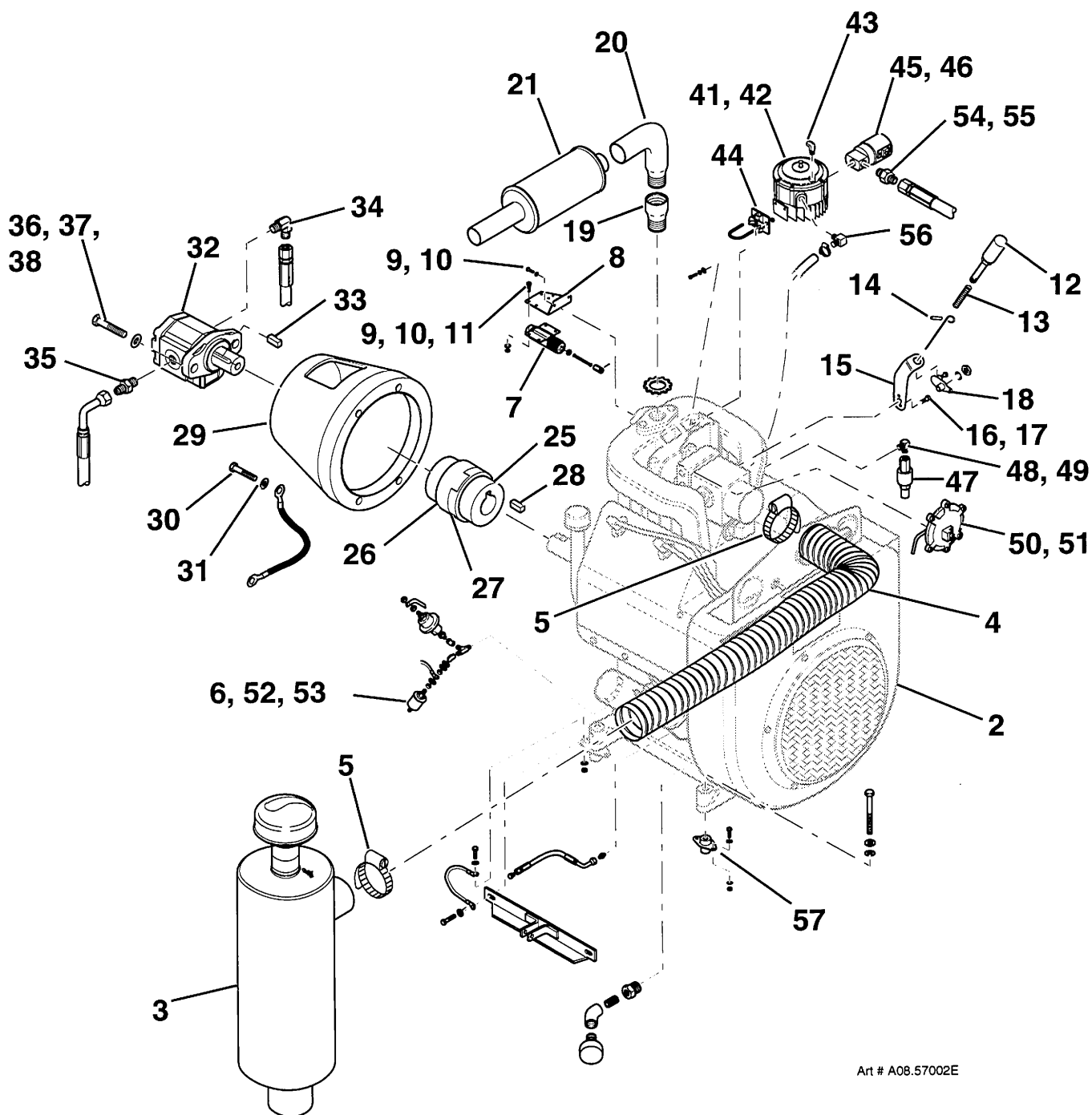
07.66

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE ASSEMBLY (Wisconsin W4-1770 Gasoline)	1
			ENGINE ASSEMBLY (Wisconsin W4-1770 Dual fuel)	1
2			ENGINE (Wisconsin W4-1770 air cooled four cylinder)	1
	09-006700		35 hp (26 kW), 1.77 L gasoline powered	
	09-021000		35 hp (26 kW), 1.77 L dual fuel (shown)	
3			CLEANER, AIR (from engine supplier)	1
4			HOSE, FLEX (2" O.D., 12" long) (engine supplier)	1
5			CLAMP, HOSE (from engine supplier)	2
6			BOWL, FUEL (from engine supplier)	1
7	09-000403		SOLENOID, HIGH SPEED (12 Volt DC) (replaces 22-800930)	1
8	221 7860		BRACKET, HIGH SPEED SOLENOID	1
9	07-003007		CAP SCREW, HEX HEAD (1/4"-20 x 1-1/2", Grade 5)	6
10	07-060014		WASHER, FLAT (1/4" SAE)	6
11	07-065014		WASHER, HELICAL LOCK (1/4")	2
12	22-800931		SOLENOID, CHOKE	1
13	09-061200		SPRING, CHOKE RETURN	1
14	07-117400		PIN, COTTER (3/32" x 3/4") (replaces 1/8" x 1" roll pin 07-075414 used earlier)	1
15	221 6550		BRACKET, CHOKE SOLENOID	1
16	07-092800		CAP SCREW, SOCKET HEAD (#8-32 x 1/2", Grade 8)	2
17	07-092900		WASHER, INTERNAL TOOTH LOCK (#8)	2
18			LEVER, CHOKE (comes with engine)	1
19	11-204900		NIPPLE, EXHAUST (1-1/4" x 3")	1
20	11-050126		90° ELBOW, FEMALE (1-1/4" to 1-1/2")	1
21	09-007900		MUFFLER	1
22	05-081900		FUEL LINE (5/16") (Bulk item, must be cut to fit)	A.R.
23	09-014800		CLAMP, WORM (1", #8)	2
24			GUARD, ALTERNATOR (001 8740)	1
25	02-103800		COUPLING HALF (Engine side, 1-7/16" bore, 3/8" key)	1
26	02-104300		COUPLING HALF (Pump side, 5/8" bore, 5/32" key)	1
27	02-102700		SPIDER, COUPLING	1
28	215 7400		KEY, SQUARE (3/8" x 1-1/2" long)	1
29	02-106100		ADAPTER, PUMP MOUNTING	1
30	07-003066		CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4", Grade 5)	4
31	07-065017		WASHER, HELICAL LOCK (7/16")	4

TITLE ENGINE, WISCONSIN W4-1770 (SCISSORS) (PLATE 1 OF 2)

PLATE NO.	08.57	SIMON AERIALS INC.	NEW 04 OCT., 1996	PART NO.
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Art # A08.57002E

TITLE ENGINE, WISCONSIN W4-1770 (SCISSORS) (PLATE 1 OF 2)

SIMON AERIALS INC.

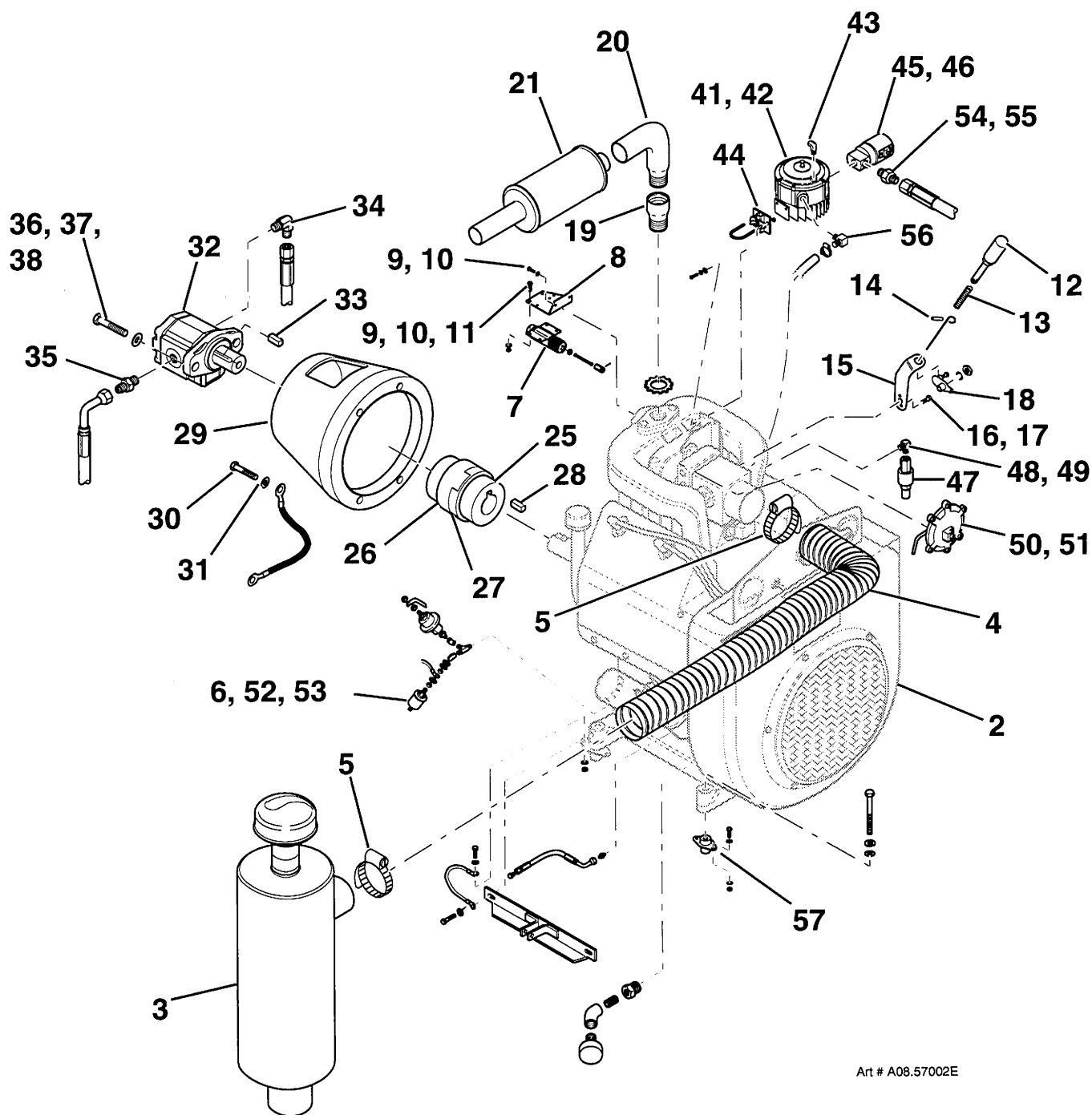
NEW 04 OCT., 1996

PART
NO.

PLATE
NO.

08.57

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
32	01-109100		PUMP, HYDRAULIC (1.403 in ³ [23 c.c.]/ rev.)	1
33			KEY, SQUARE (5/32")	1
34	06-045300		90° ELBOW, "O"-RING TO 37°	
			(10-12 C5OX-S) (12MB-10MJ 90°)	1
35	06-041100		ADAPTER, "O"-RING TO 37°	
			(12-16 F5OX-S) (12MJ-16MB)	1
36	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
37	07-065016		WASHER, HELICAL LOCK (3/8")	2
38	07-062015		WASHER, FLAT (5/16")	2
			The following items are included with the Dual Fuel engine only:	
39	48-101296		ADAPTER, CARBURETOR (Propane intake)	1
40	24-100850		90° ELBOW (Power air adjuster)	1
41	09-060600		VAPORIZER (Electronic)	1
42			MESH, METAL	1
43	09-060014		90° STREET ELBOW (1/8")	1
44	221 8620		BRACKET, VAPORIZER MOUNTING	1
45	48-101291		SWITCH, SHUTOFF (LP gas, with filter)	1
46	06-076900		NIPPLE (LONG), PIPE THREAD (1/4 FF-S) (4MP-4MP)	1
47	09-038106		SOLENOID, GAS SHUTOFF (replaces 48-101294)	1
48	09-063200		NIPPLE (1/8" x 2", Brass)	1
49	09-062800		90° STREET ELBOW (1/8", Brass)	1
50	09-015800		SWITCH, VACUUM (Beam) (replaces 48-101293)	1
51	24-100513		NIPPLE (1/8" x 3", Brass)	1
52	09-062900		COUPLING, HOSE (1/4" male pipe to 5/16")	1
53	09-062800		90° STREET ELBOW (1/8", Brass)	1
54	09-063100		90° ELBOW (1/4", Brass)	1
55	09-063000		FITTING (1/4 MP-1/4 MJ, Brass)	1
56	24-100400		FITTING (1/2 NPT-1/2 JIC) (8MP-8 Barb)	1
			The following items are not included with the engine assembly:	
57	09-062500		MOUNT, MOTOR	4
TITLE ENGINE, WISCONSIN W4-1770 (SCISSORS) (PLATE 2 OF 2)				
PLATE NO.	08.57	SIMON AERIALS INC.		PART NO.
			NEW 04 OCT., 1996	



Art # A08.57002E

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

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO.

08.57

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE GROUP (Kubota D 722B)	
2			ENGINE ASSEMBLY	1
3	09-054200		ENGINE, DIESEL (Kubota D 722B) (liquid cooled)	1
4			BRACKET, THROTTLE SOLENOID	1
5			CAP SCREW, HEX HEAD (1/4"-20, Grade 5)	2
6	07-062014		WASHER, FLAT (1/4")	2
7	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
8			SOLENOID, THROTTLE	1
9	03-456803		MODULE, THROTTLE SOLENOID	1
10	07-013356		MACHINE SCREW, ROUND HEAD (#10-32 x 1-1/4", Grade 2)	2
11	07-062011		WASHER, FLAT (#10)	2
12	07-050111		NUT, LOCK (#10-32, Grade 2)	2
13	11-008005		ROD, THREADED (1/4"-28 x 36" [0.9 m] long. 6.75" [171.5 mm] needed here.)	1
14	07-101100		NUT, COUPLING (1/4"-28)	3
15	07-065014		WASHER, HELICAL LOCK (1/4")	1
16	03-469401		BALL JOINT (Straight)	1
17	03-469405		BALL JOINT (90°)	1
18	09-061700		PLATE, PUMP ADAPTER (SAE #5 [8 hole, 12-3/8" pilot] flywheel housing to SAE "A" pump mount)	1
19	09-061500		COUPLING, PUMP	1
20			FLANGE, PUMP COUPLING (Plastic, 6")	1
21			HUB, PUMP COUPLING	1
22			PUMP, HYDRAULIC	1
	01-108000		For Model 2515 (0.677 in ³ [11.1 c.c.]/ rev.)	
	01-109100		For Model 3020, 3715 or 4612 (1.403 in ³ [23 c.c.]/ rev.)	
23			KEY, SQUARE (5/32")	1
24	06-045300		90° ELBOW, "O"-RING TO 37° (10-12 C5OX-S) (12MB-10MJ 90°)	1
25	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S) (12MJ-16MB)	1
26	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	2
27	07-065016		WASHER, HELICAL LOCK (3/8")	2
28	07-062016		WASHER, FLAT (3/8")	2

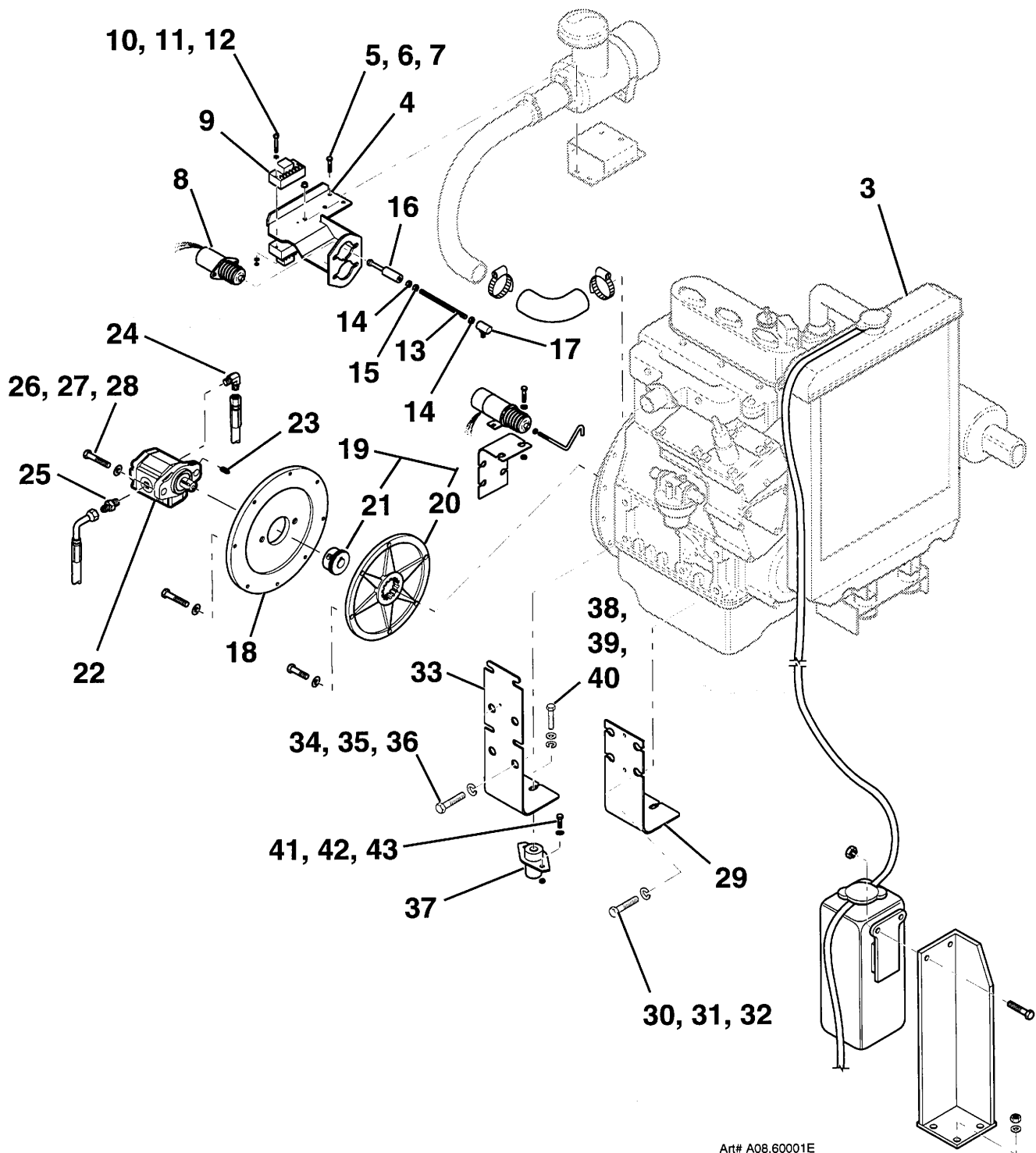
TITLE ENGINE ASSEMBLY, KUBOTA D-722 (PLATE 1 OF 2)

PLATE NO. 08.60

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART NO.



Art# A08.60001E

TITLE

ENGINE ASSEMBLY, KUBOTA D-722 (PLATE 1 OF 2)

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
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PLATE
NO.

08.60

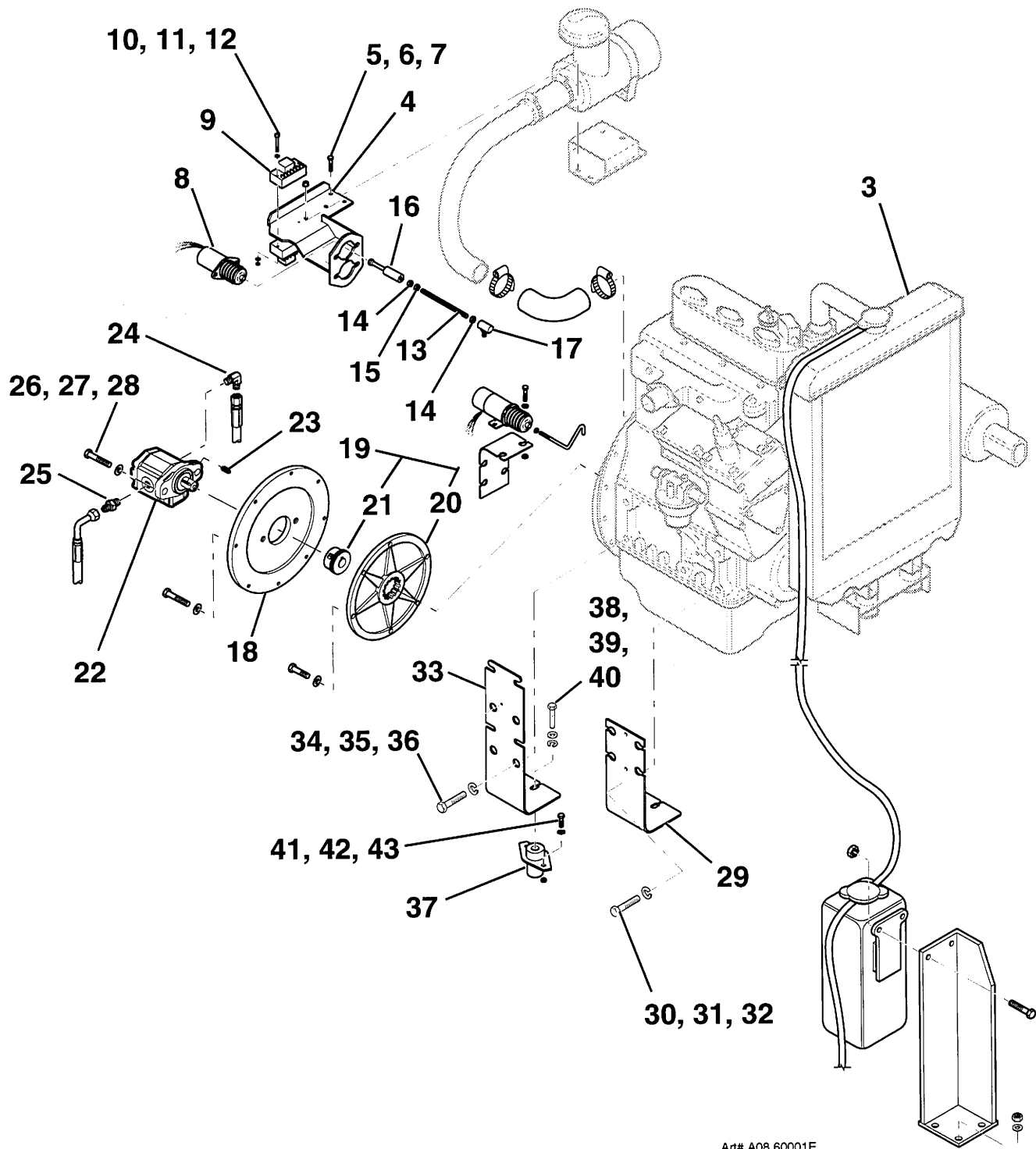
PARTS LIST

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TITLE ENGINE ASSEMBLY, KUBOTA D-722 (PLATE 2 OF 2)

PLATE NO.	08.60	SIMON AERIALS INC.	NEW 04 OCT., 1996	PART NO.
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PART NO.	
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Art# A08.60001E

TITLE

ENGINE ASSEMBLY, KUBOTA D-722 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO. 08.60

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE GROUP (Deutz F2L 1011)	
2			ENGINE ASSEMBLY	1
3	09-047500		ENGINE, DIESEL (Deutz F2L 1011)	
			(27 HP [20.1 kw], air cooled 2 cylinder)	1
4	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
5	03-469400		SOLENOID, THROTTLE (does not include module)	1
6	03-469404		ROD, LINKAGE	1
7	07-101100		NUT, COUPLING (1/4"-28)	
8	03-469401		BALL JOINT (Straight)	1
9	03-469405		BALL JOINT (90°)	1
10	03-456803		MODULE, THROTTLE SOLENOID	1
11			JUMPER, TERMINAL	1
12	07-013356		MACHINE SCREW, ROUND HEAD	
			(#10-32 x 1-1/4", Grade 2)	2
13	07-062011		WASHER, FLAT (#10)	2
14	07-050111		NUT, LOCK (#10-32, Grade 2)	2
15			SWITCH, OIL PRESSURE (comes with engine)	1
16	09-061700		PLATE, PUMP ADAPTER (14")	1
17	07-104200		CAP SCREW, SOCKET HEAD	
			(M 10 x 25 mm, Grade 12.9)	8
18	07-066006		WASHER, LOCK (10 mm)	8
19	09-080900		COUPLING, PUMP	1
20			FLANGE, PUMP COUPLING (Plastic, 7-1/2")	1
21			HUB, PUMP COUPLING	1
22			CAP SCREW, SOCKET HEAD	
			(M8 x 20 mm, Grade 12.9)	6
23	07-066005		WASHER, LOCK (8 mm)	6
24	01-108000		PUMP, HYDRAULIC (0.677 in ³ [11.1 c.c.]/ rev.)	1
25			KEY, SQUARE (5/32")	1
26	06-045000		90° ELBOW, "O"-RING TO 37°	
			(8-10 C5OX-S) (8MJ-10MB 90°)	1
27	06-040800		ADAPTER, "O"-RING TO 37° (12 F5OX-S) (12MJ-12MB)	1
28	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
29	07-065016		WASHER, HELICAL LOCK (3/8")	2
30	07-062015		WASHER, FLAT (5/16", standard)	2
31	03-612800		CABLE, GROUND (Black battery cable, #1 AWG)	1

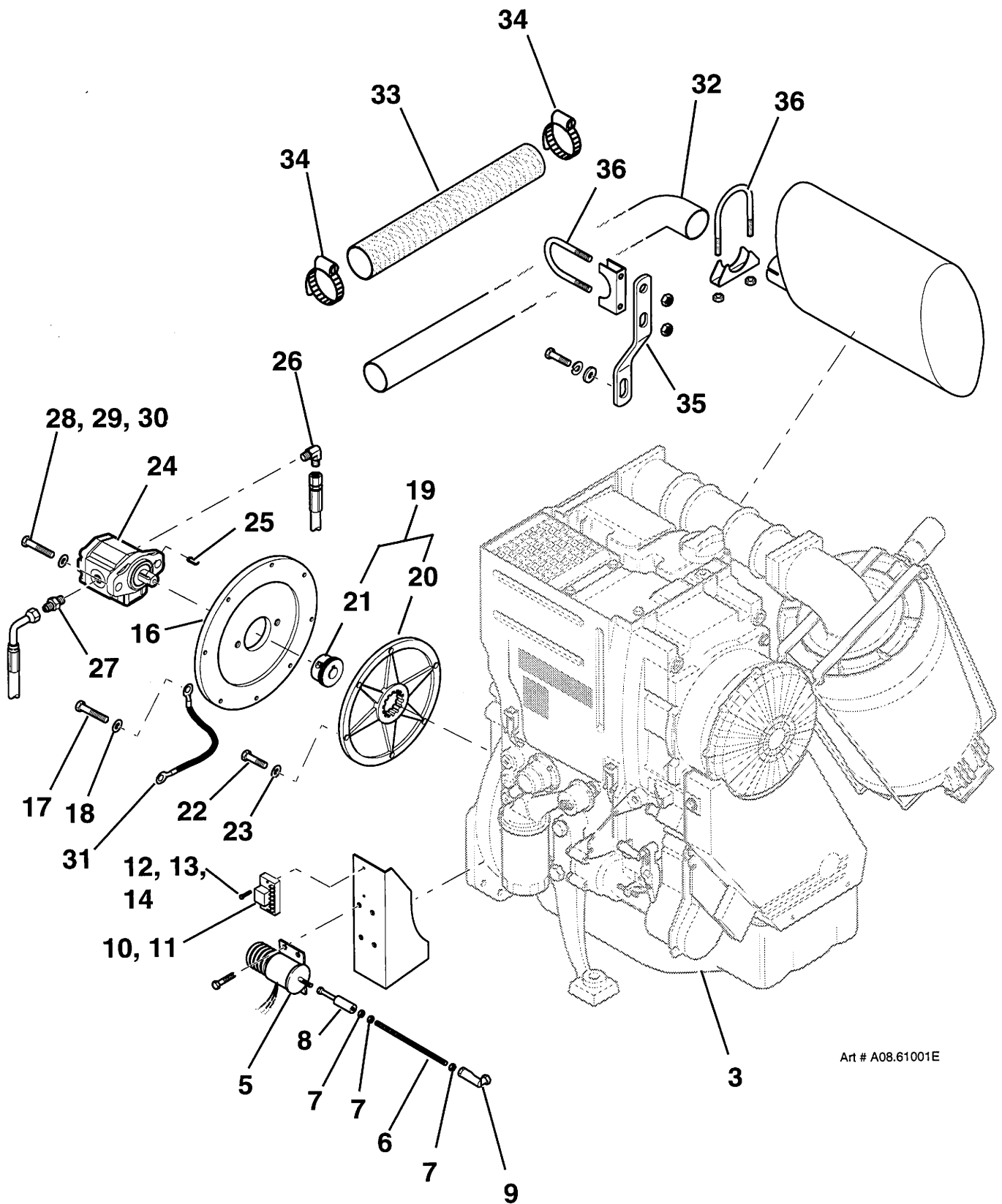
TITLE ENGINE ASSEMBLY, DEUTZ F2L 1011 (PLATE 1 OF 2)

PLATE NO. 08.61

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART NO.



Art # A08.61001E

TITLE ENGINE ASSEMBLY, DEUTZ F2L 1011 (PLATE 1 OF 2)

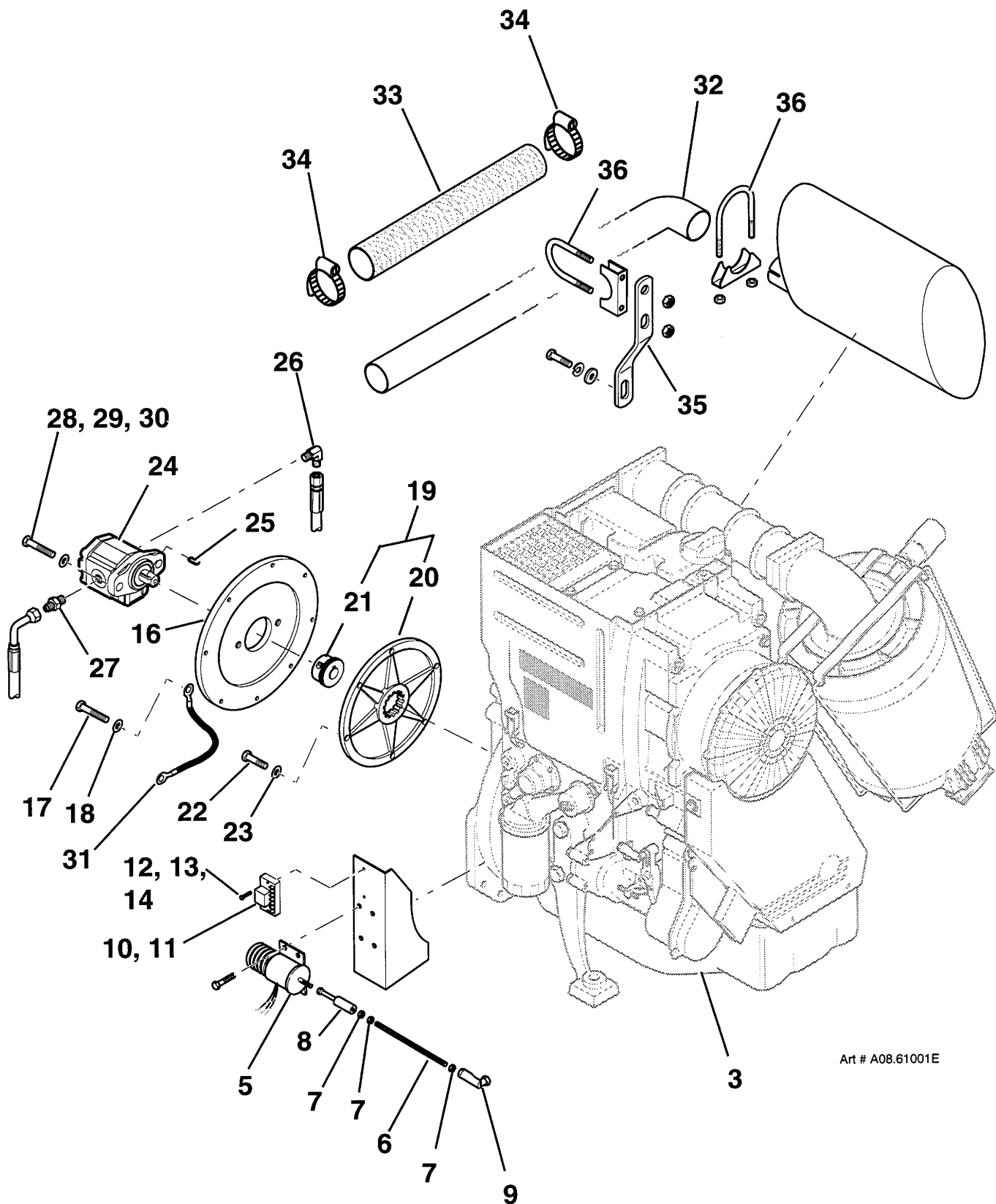
SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO. 08.61

[illegible]PART
NO.



Art # A08.61001E

TITLE

ENGINE ASSEMBLY, DEUTZ F2L 1011 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO.

08.61

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE GROUP (Deutz F3L 1011)	
2			ENGINE ASSEMBLY	1
3	09-044800		ENGINE, DIESEL (Deutz F3L 1011)	
			(42 HP [31.3 kw] @ 3,000 RPM, air cooled 3 cylinder)	1
4	09-044801		SOLENOID, FUEL SHUTDOWN (comes with engine)	1
5	03-469400		SOLENOID, THROTTLE (does not include module)	1
6	03-469403		ROD, LINKAGE	1
7	07-101100		NUT, COUPLING (1/4"-28)	
8	03-469401		BALL JOINT (Straight)	1
9	03-469405		BALL JOINT (90°)	1
10	03-456803		MODULE, THROTTLE SOLENOID	1
11			JUMPER, TERMINAL	1
12	07-013356		MACHINE SCREW, ROUND HEAD	
			(#10-32 x 1-1/4", Grade 2)	2
13	07-062011		WASHER, FLAT (#10)	2
14	07-050111		NUT, LOCK (#10-32, Grade 2)	2
15			SWITCH, OIL PRESSURE (comes with engine)	1
16	09-061700		PLATE, PUMP ADAPTER (14")	1
17	07-104200		CAP SCREW, SOCKET HEAD	
			(M 10 x 25 mm, Grade 12.9)	8
18	07-066006		WASHER, LOCK (10 mm)	8
19	09-080900		COUPLING, PUMP	1
20			FLANGE, PUMP COUPLING (Plastic, 7-1/2")	1
21			HUB, PUMP COUPLING	1
22			CAP SCREW, SOCKET HEAD	
			(M8 x 20 mm, Grade 12.9)	6
23	07-066005		WASHER, LOCK (8 mm)	6
24	01-109100		PUMP, HYDRAULIC (1.403 in ³ [23 c.c.]/ rev.)	1
25			KEY, SQUARE (5/32")	1
26	06-045300		90° ELBOW, "O"-RING TO 37°	
			(10-12 C5OX-S) (12MB-10MJ 90°)	1
27	06-041100		ADAPTER, "O"-RING TO 37°	
			(12-16 F5OX-S) (12MJ-16MB)	1
28	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
29	07-065016		WASHER, HELICAL LOCK (3/8")	2
30	07-062015		WASHER, FLAT (5/16", standard)	2
31	03-612800		CABLE, GROUND (Black battery cable, #1 AWG)	1
32			PIPE, EXHAUST	1
33	09-081600		SHIELD, HEAT (Fibreglass cloth sleeve)	1
34	09-015100		CLAMP, WORM (2" . . . #24)	2
35			BRACKET, EXHAUST PIPE MOUNTING	1
36	09-015400		CLAMP, MUFFLER (2")	2

TITLE

ENGINE ASSEMBLY, DEUTZ F3L 1011

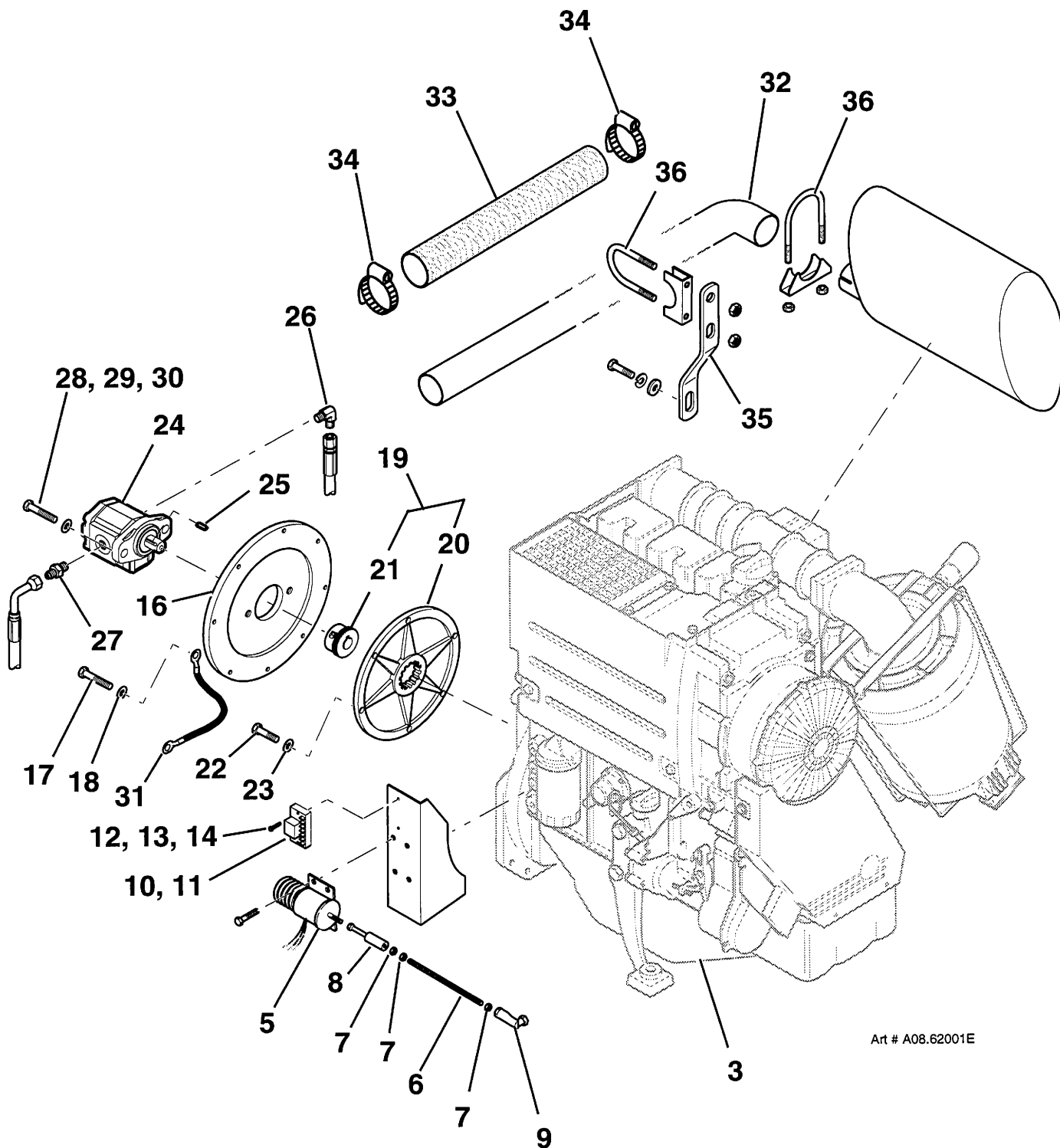
PLATE NO.

08.62

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART NO.



Art # A08.62001E

TITLE

ENGINE ASSEMBLY, DEUTZ F3L 1011

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO.

08.62

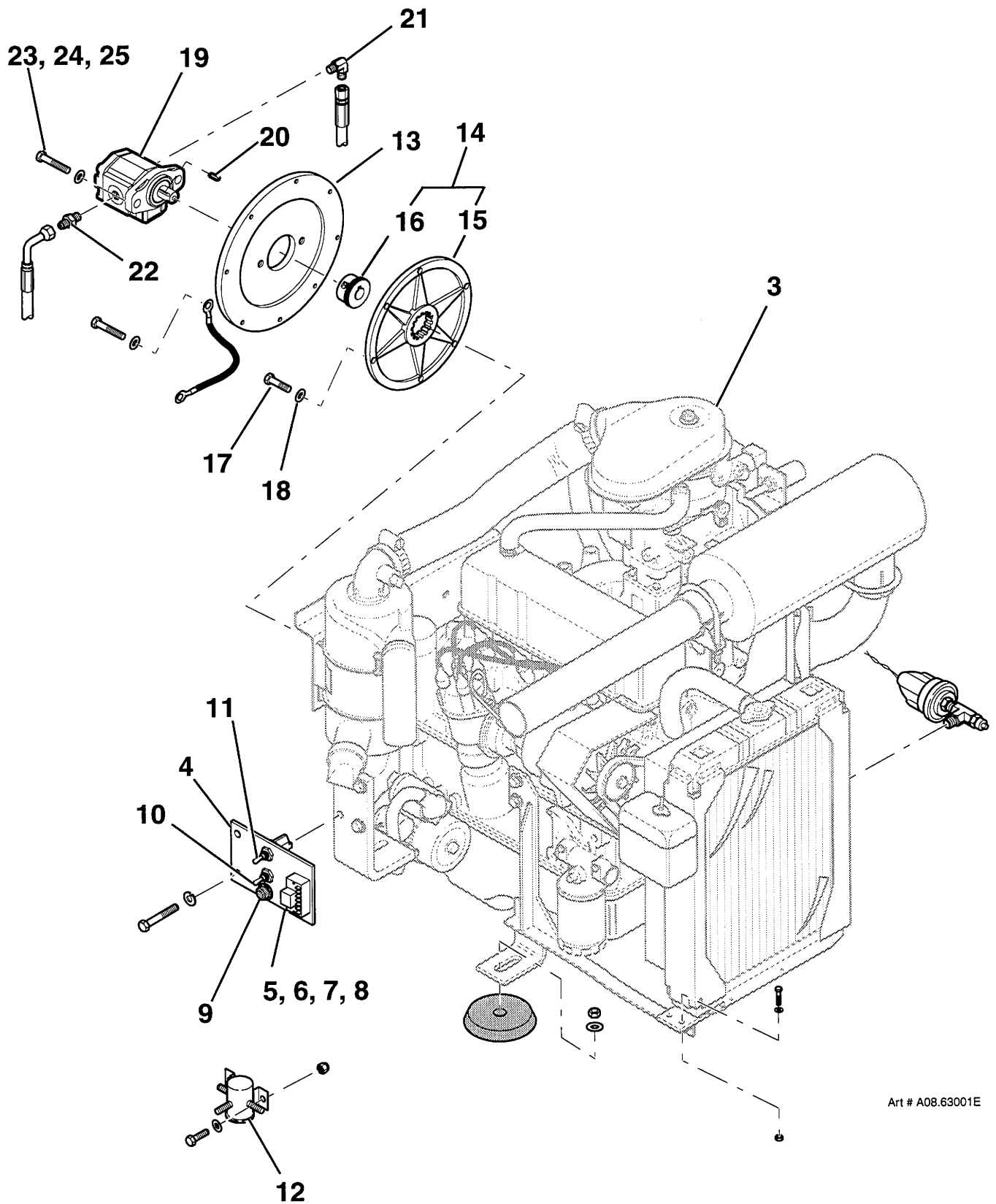
PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			ENGINE GROUP (Nissan A-15)	
2			ENGINE ASSEMBLY	1
3	09-081200		ENGINE (Nissan A-15)	1
4			BRACKET, ENGINE CONTROL MOUNTING	1
5	03-456803		MODULE, THROTTLE SOLENOID	1
6	07-013356		MACHINE SCREW, ROUND HEAD (#10-32 x 1-1/4", Grade 2)	2
7	07-062011		WASHER, FLAT (#10)	2
8	07-050111		NUT, LOCK (#10-32, Grade 2, with nylon insert)	2
9	03-020300		SWITCH, PUSH BUTTON (Engine start)	1
10	22-215065		SWITCH, TOGGLE (Gas/ Propane) (Single pole, double throw)	1
11	03-427600		SWITCH, TOGGLE (Choke) (replaces 22-800403)	1
12	22-800357		RELAY, STARTER	1
13	09-061700		PLATE, PUMP ADAPTER (14")	1
14	09-061500		COUPLING, PUMP	1
15			FLANGE, PUMP COUPLING (Plastic, 6")	1
16			HUB, PUMP COUPLING	1
17			CAP SCREW, SOCKET HEAD (M8 x 20 mm, Grade 12.9)	6
18	07-066005		WASHER, LOCK (8 mm)	6
19	01-109100		PUMP, HYDRAULIC (1.403 in ³ [23 c.c.] / rev.)	1
20			KEY, SQUARE (5/32")	1
21	06-045300		90° ELBOW, "O"-RING TO 37° (10-12 C5OX-S) (12MB-10MJ 90°)	1
22	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S) (12MJ-16MB)	1
23	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2
24	07-065016		WASHER, HELICAL LOCK (3/8")	2
25	07-062016		WASHER, FLAT (3/8")	2

TITLE	ENGINE ASSEMBLY, NISSAN A-15
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PLATE NO.	08.63	SIMON AERIALS INC.	NEW 04 OCT., 1996
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**PART
NO.**



Art # A08.63001E

TITLE

ENGINE ASSEMBLY, NISSAN A-15

SIMON AERIALS INC.

NEW 04 OCT., 1996

PART
NO.

PLATE
NO.

08.63

PARTS LIST

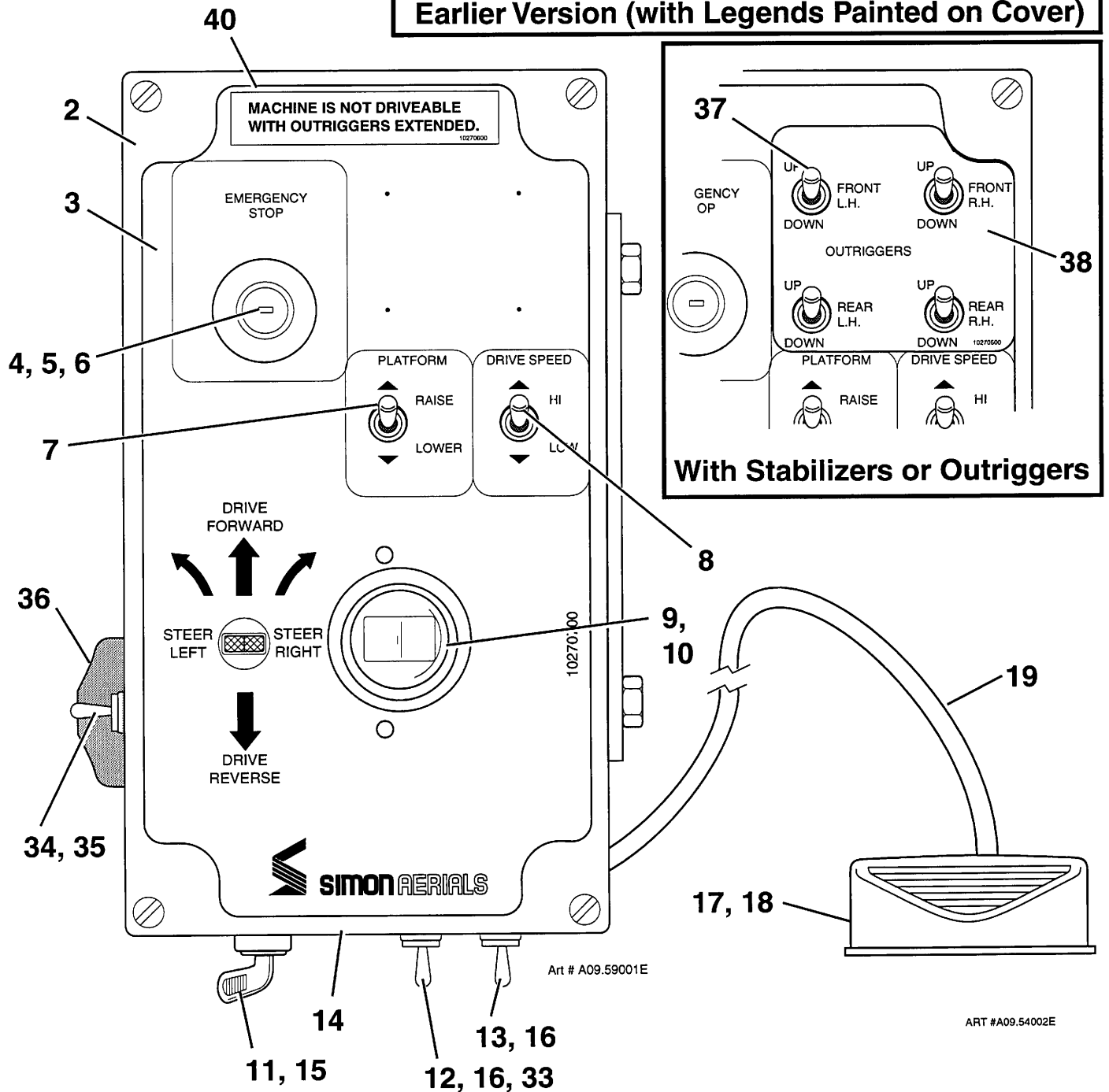
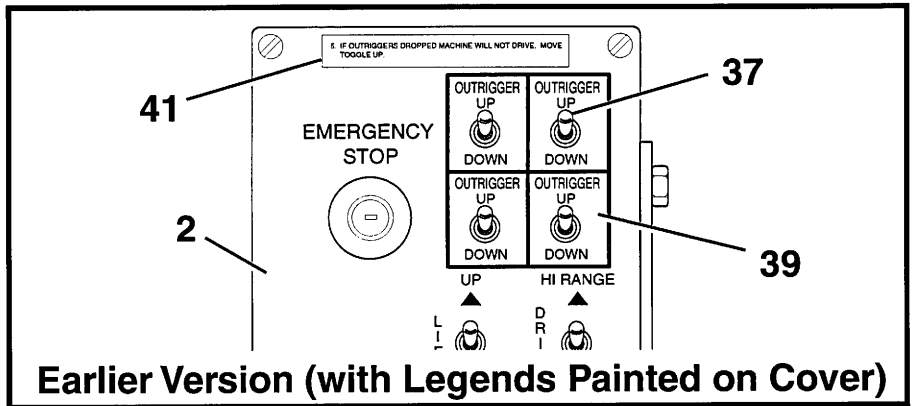
TEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	352 6710		PLATFORM CONTROL BOX ASSEMBLY Electric powered scissors, without stabilizers or outriggers, and without optional traversing deck	
	352 6720		Fuel powered scissors, without stabilizers or outriggers, and without optional traversing deck	
2	221 8790		BOX, PLATFORM CONTROL (Upper control box)	1
			Plain box, for use with decal, Item 3 (current version)	
			White, with black painted legends (earlier versions)	
3	10-272700		PLACARD, PLATFORM CONTROL (for current version)	1
4	03-702000		BUTTON, EMERGENCY STOP (Red, "Pull to release")	1
5	03-454900		BASE, SWITCH MOUNTING	1
6	03-437300		BLOCK, CONTACT (Normally closed)	2
7	03-020500		SWITCH, TOGGLE (Lift/ Lower)	
			(3 position, momentary contact, single pole)	1
8	03-020400		SWITCH, TOGGLE (Drive speed)	
			(2 position, maintained contact, single pole)	1
9	03-483100		LEVER, DRIVE CONTROL (Joystick)	1
10	07-013414		MACHINE SCREW, ROUND HEAD	
			(#10-32 x 1/2", Grade 2)	2
11	03-619300		SWITCH, IGNITION (4 position)	
			(for fuel powered scissors only)	1
12	03-427600		SWITCH, TOGGLE (Choke) (for fuel powered scissors only) (2 position, momentary contact, single pole)	1
13	03-020400		SWITCH, TOGGLE (Engine speed) (for fuel powered scissors) (2 position, maintained contact, single pole)	1
14	10-231700		DECAL, "ENGINE, CHOKE/ SPEED" (with fuel powered scissors only)	1
15			PLUG, HOLE (for leftmost hole, electric scissors)	1
	03-453700		1/2" (earlier versions)	
	03-490000		3/4" (later versions)	
16	03-453700		PLUG, HOLE (1/2") (for electric powered scissors only)	2
17	03-700700		SWITCH, FOOT OPERATED	1
18	03-700701		MICROSWITCH	1
19	03-085900		CABLE, ELECTRICAL (SJO, 3 conductor, #12 AWG)	
			(Bulk item, order as needed. 4 ft [1.2 m] required here)	A.R.

TITLE PLATFORM CONTROL BOX, SCISSORS (PLATE 1 OF 3)

PLATE NO. 09.59 **SIMON AERIALS INC.**

REV. 03 DEC., 1996

PART NO.



TITLE PLATFORM CONTROL BOX, SCISSORS (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART NO.

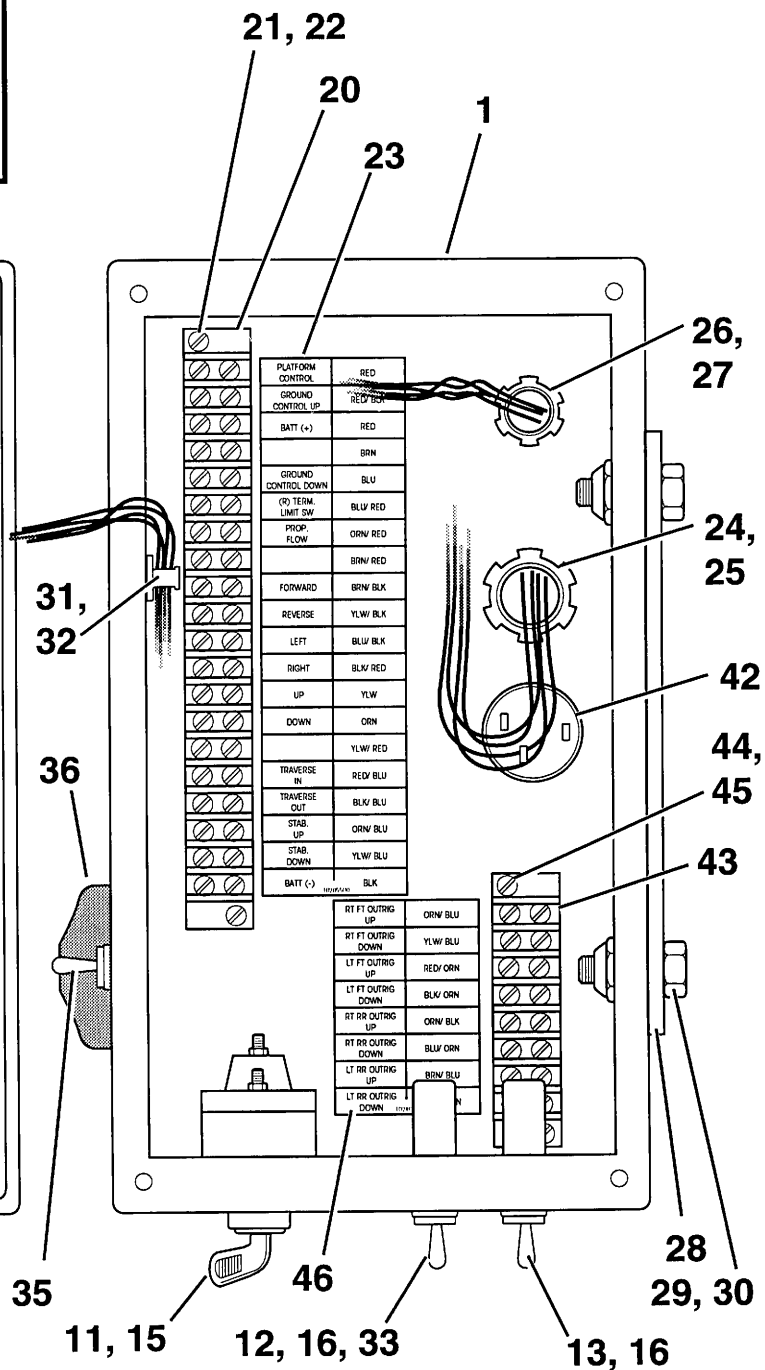
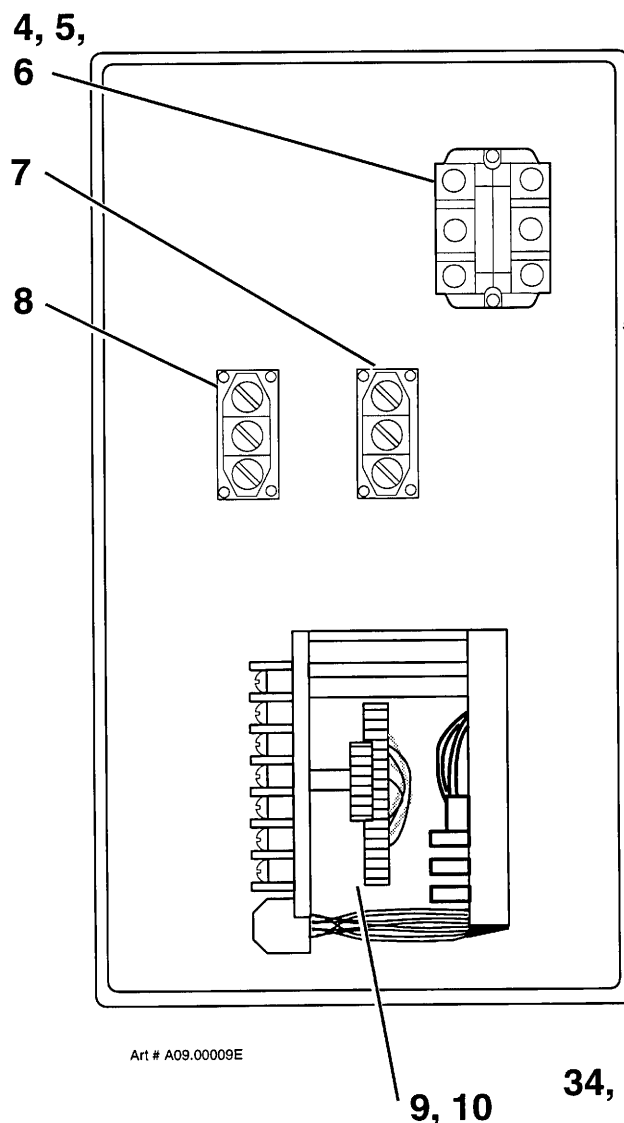
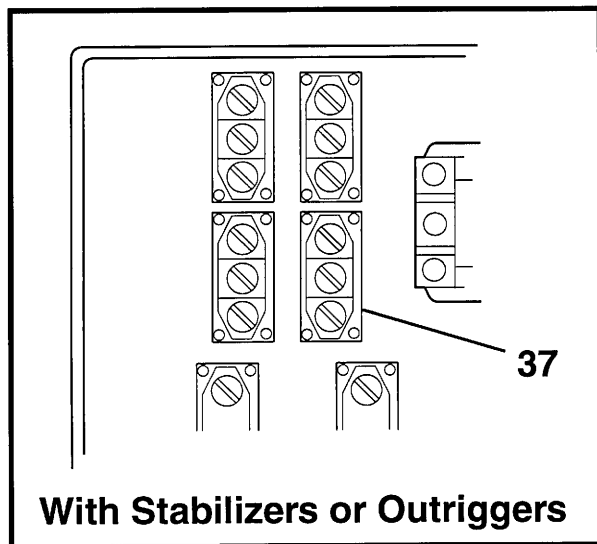
PLATE NO. 09.59

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SIMON AERIALS INC.

REV. 03 DEC., 1996

PART
NO.



TITLE

PLATFORM CONTROL BOX, SCISSORS (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART
NO.

PLATE
NO.

09.59

PARTS LIST

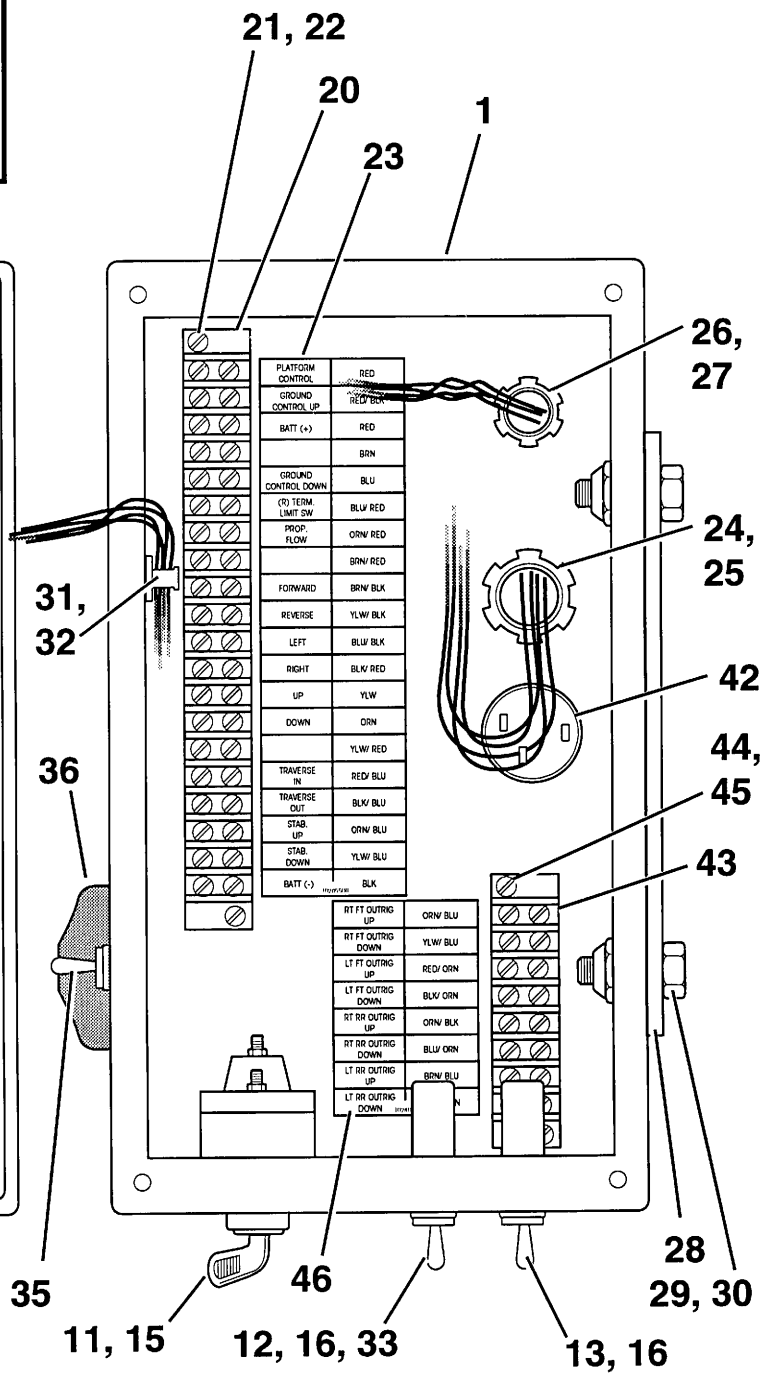
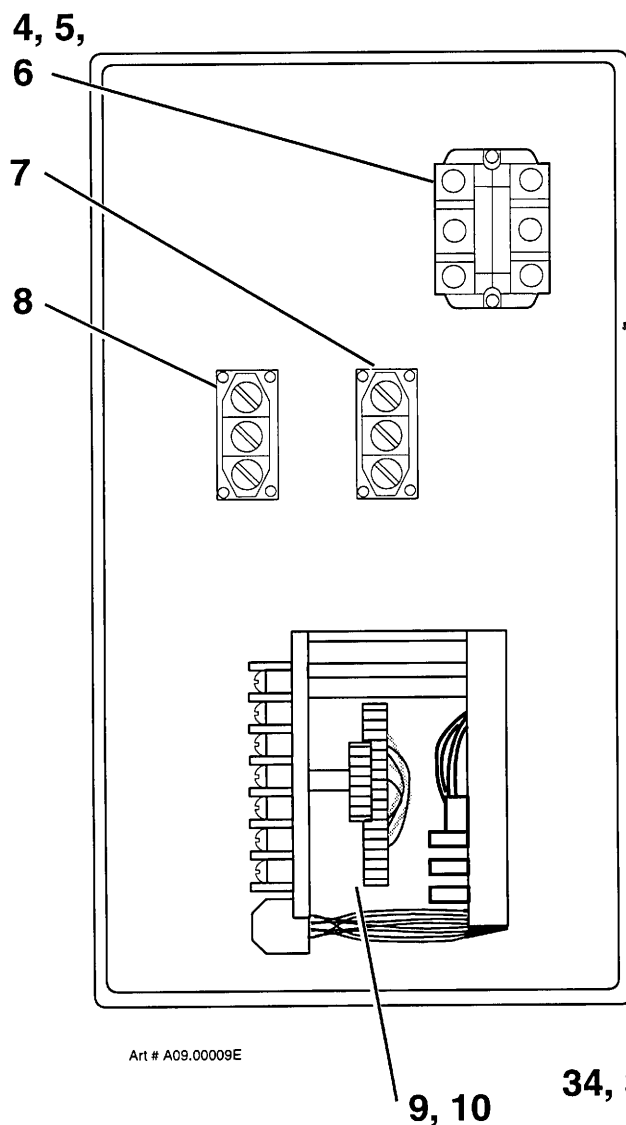
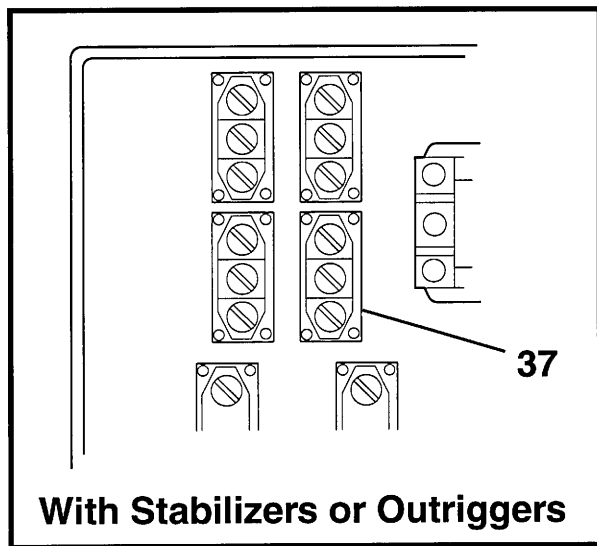
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			The following items are not included with the Platform Control Box:	
33	10-207700		DECAL, "GLOW PLUG" (With optional Diesel engine. Mounts over "Choke" toggle.)	1
34	03-020500		SWITCH, TOGGLE (with traversing deck option) (3 position, momentary contact, single pole)	1
35	11-228900		DECAL, "TRAVERSE PLATFORM, IN/ OUT" (current)	1
	11-201300		DECAL, "TRAVERSING DECK, IN/ OUT" (earlier version)	1
36	03-400700		GUARD, SWITCH (Traversing deck)	1
37	03-020500		SWITCH, TOGGLE (with stabilizers or outrigger option) (3 position, momentary contact, single pole)	A.R.
38			DECAL, "OUTRIGGER, UP/ DOWN" (current version)	1
	10-270300		when one outrigger switch is fitted	
	10-270400		when two outrigger switches are fitted	
	10-270500		when four outrigger switches are fitted	
39	47-101270		DECAL, "OUTRIGGER, UP/ DOWN" (earlier version)	A.R.
40	10-270600		DECAL, "MACHINE IS NOT DRIVEABLE . . ." (current)	1
41	47-101266		DECAL, "5. IF OUTRIGGERS DROPPED . . ." (earlier)	1
42	03-601800		ALARM, TILT (option)	1
43	03-744000		BLOCK, TERMINAL (8 position) (when both outriggers and traversing deck are fitted)	1
44	07-011335		MACHINE SCREW, PAN HEAD (#6-32 x 1/2", Grade 2)	2
45	07-050007		NUT, LOCK (#6-32, Grade 5)	2
46			DECAL, 8 POSITION TERMINAL BLOCK	1
	10-280100		For versions with optional side by side outriggers, and with optional traversing deck	
	10-280200		For versions with optional independent outriggers, with or without optional traversing deck	

TITLE PLATFORM CONTROL BOX, SCISSORS (PLATE 3 OF 3)

PLATE NO. 09.59 **SIMON AERIALS INC.**

REV. 03 DEC., 1996

PART NO.



TITLE

PLATFORM CONTROL BOX, SCISSORS (PLATE 3 OF 3)

SIMON AERIALS INC.

REV. 03 DEC., 1996

PART
NO.

PLATE
NO.

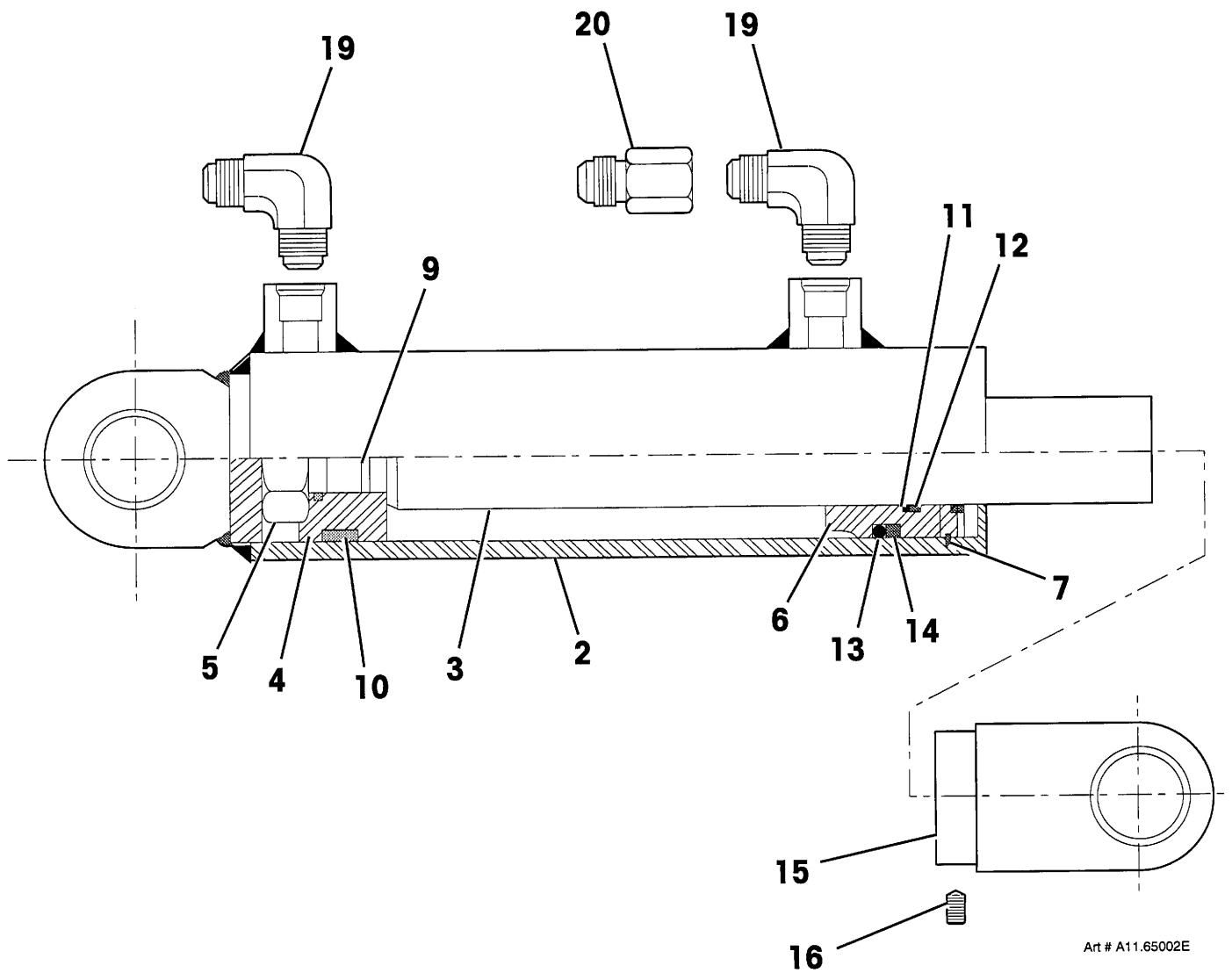
09.59

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-050900		CYLINDER, STEER (2-1/2" bore, 1-1/8" rod, 6" stroke)	1
2			BODY, CYLINDER (2-1/2" [64 mm] bore)	1
3			ROD (1-1/8" [29 mm] dia.)	1
4			PISTON	1
5			NUT, HEX JAM	1
6			GUIDE, ROD	1
7			RING, RETAINING (Internal)	1
8	04-050901		SEAL KIT	1
9			"O"-RING	1
10			SEAL, "DURA PAK"	1
11			SEAL, "U" CUP	1
12			RING, WIPER	1
13			"O"-RING	1
14			RING, BACKUP	1
15			CLEVIS (Rod end)	1
16			SET SCREW	1
17	223 1170		PIN, CLEVIS (1" x 2-7/8" long)	2
18	42-101060		PIN, COTTER (Hairpin) (1/8" x 2-1/2") (replaces 3/16" x 3-3/4" cotter pin 07-118800 used earlier)	2
			The following items are not included with Steer Cylinder 04-050900:	
19	06-216400		90° ELBOW, MALE 37° TO NPT (4-6 CTX-S) (6MP-4MJ 90°)	2
20	24-100696		RESTRICTOR (.060" [1.52 mm] orifice)	1

TITLE STEER CYLINDER, MODEL 3020, 3715 OR 4612 SCISSORS				
SECTION 11.	PLATE NO. 65	PAGE 01	REV. A	DATED 20 SEP., 1996 PART NO. 04-050900

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 # A11.65002E

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

TITLE

STEER CYLINDER, MODEL 3020, 3715 OR 4612 SCISSORS

PART
NO.

04-050900

REV. A

DATED
20 SEP., 1996

SECTION

11.

PLATE NO.

65

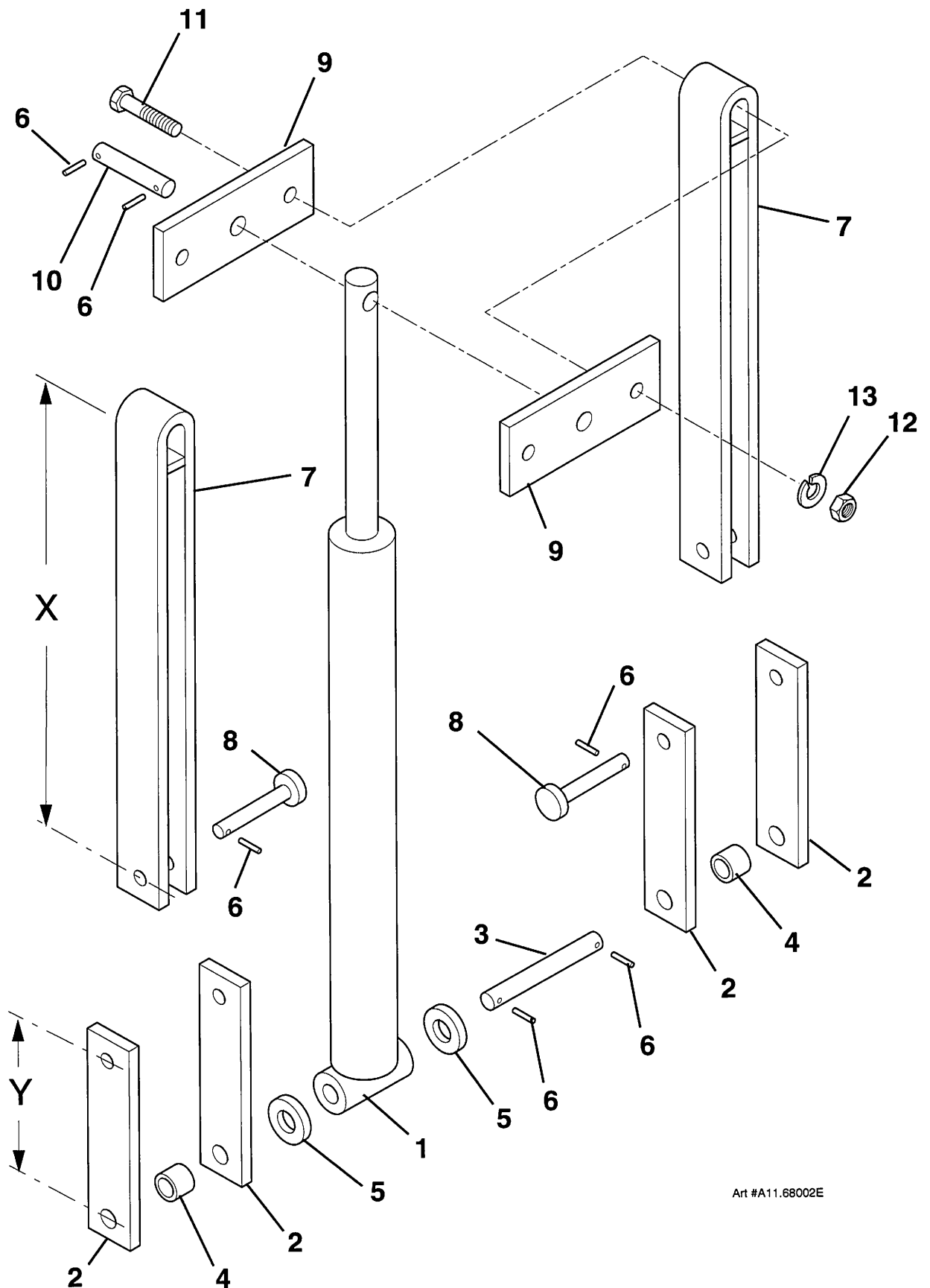
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PLATE NO.	11.71	SIMON AERIALS INC.
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PART
NO.



Art #A11.68002E

TITLE

UPPER LIFT CYLINDER MOUNTING, MODEL 4612 SCISSORS

SIMON AERIALS INC.

REV. 10 NOV., 1995

PART
NO.

PLATE
NO.

11.71

PARTS LIST

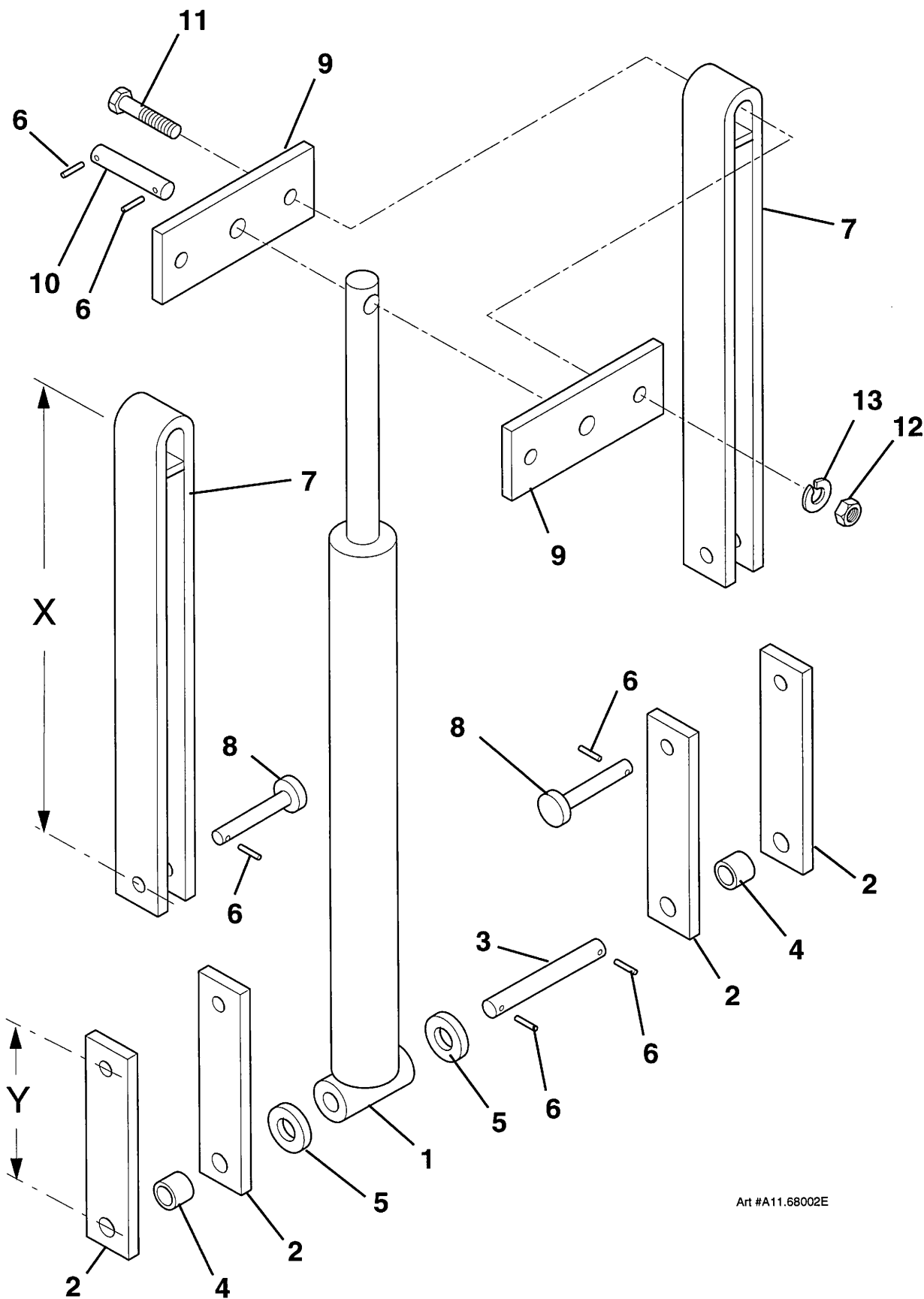
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TITLE	MIDDLE LIFT CYLINDER MOUNTING, MODEL 4612 SCISSORS
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PLATE NO.	11.72	SIMON AERIALS INC.
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REV. 30 DEC., 1996

PART
NO.



Art #A11.68002E

TITLE

MIDDLE LIFT CYLINDER MOUNTING, MODEL 4612 SCISSORS

SIMON AERIALS INC.

REV. 30 DEC., 1996

PART
NO.

PLATE
NO.

11.72

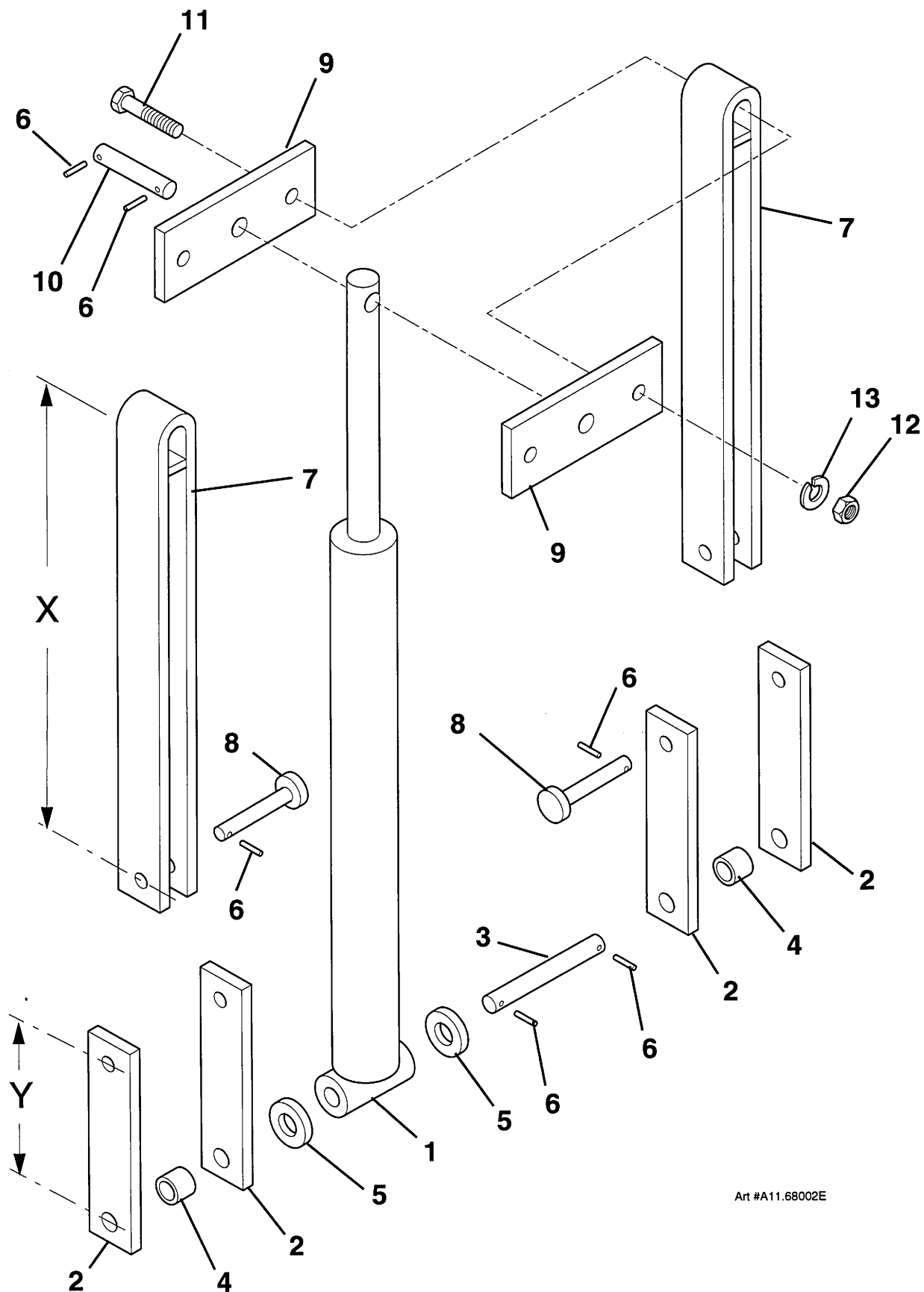
PARTS LIST

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TITLE	LOWER LIFT CYLINDER MOUNTING, MODEL 4612 SCISSORS
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PLATE NO.	11.73	SIMON AERIALS INC.	REV. 10 NOV., 1995	PART NO.
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PART NO.



Art #A11.68002E

TITLE LOWER LIFT CYLINDER MOUNTING, MODEL 4612 SCISSORS

SIMON AERIALS INC.

REV. 10 NOV., 1995

PART
NO.

PLATE
NO. 11.73

PARTS LIST

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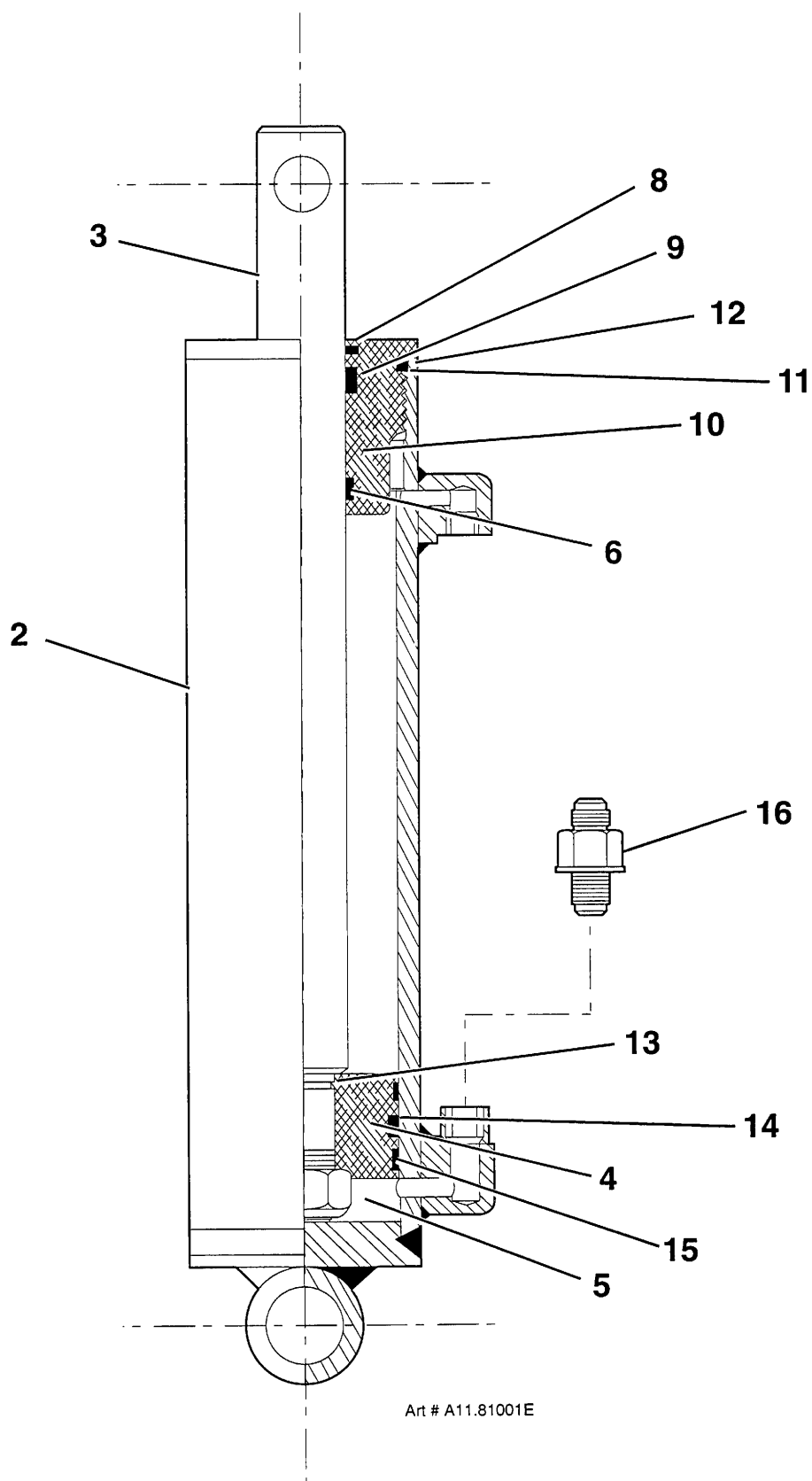
TITLE	LIFT CYLINDER, SCISSORS (4612, MIDDLE)
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PLATE NO. 11.81	SIMON AERIALS INC.	REV. 15 MAY, 1996	PART NO. 04-053100
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SIMON AERIALS INC.	REV. 15 MAY, 1996	PART NO. 04-053100
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REV. 15 MAY, 1996	PART NO. 04-053100
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PART NO. 04-053100



TITLE

LIFT CYLINDER, SCISSORS (4612, MIDDLE)

SIMON AERIALS INC.

REV. 15 MAY, 1996

PART
NO.

04-053100

PLATE
NO.

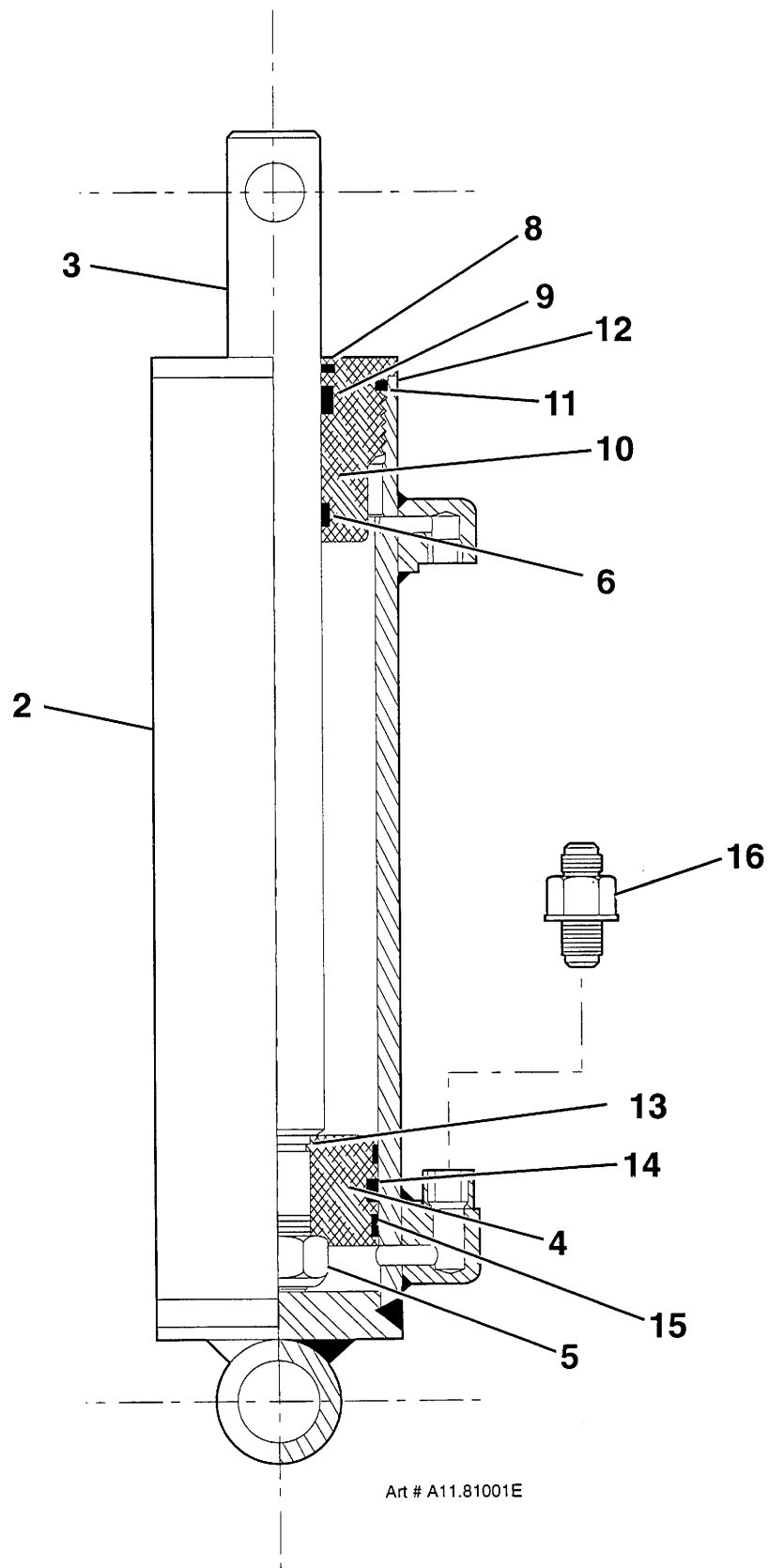
11.81

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-053000		CYLINDER, LIFT (3" bore, 36" stroke, 1-1/2" rod) Earlier version (Cylinder is marked " BMP 8336 ") Later version (shown) (Cylinder is marked " D 2921 ") Note: When ordered, later version will be supplied	1
2			BODY, CYLINDER (3" bore)	1
3			ROD, CYLINDER (1-1/2" dia.)	1
4			PISTON	1
5			NUT, LOCK	1
6			GUIDE, ROD (End gland)	1
7	04-052601 04-053001		SEAL KIT (Important: Use correct Kit for Cylinder) Kit marked " SK-1322A ", for Cylinder " BMP 8336 " Kit marked " SK-2921 ", for Cylinder " D 2921 "	1
8			WIPER, ROD	1
9			SEAL, ROD	1
10			RING, ROD WEAR	1
11			"O"-RING	1
12			RING, BACKUP	1
13			"O"-RING	1
14			SEAL, PISTON	1
15			RING, PISTON WEAR	2
The following item is not included with the Cylinder:				
16	03-611500		FUSE, VELOCITY 5 Gal (18.9 L)/ min. (Color-coded Black)	1

TITLE LIFT CYLINDER, SCISSORS (4612, UPPER AND LOWER)

PLATE NO. 11.82 **SIMON AERIALS INC.** REV. 15 MAY, 1996 PART NO. 04-053000



Art # A11.81001E

TITLE LIFT CYLINDER, SCISSORS (4612, UPPER AND LOWER)

SIMON AERIALS INC.

REV. 15 MAY, 1996

PART NO. 04-053000

PLATE NO. 11.82

PARTS LIST

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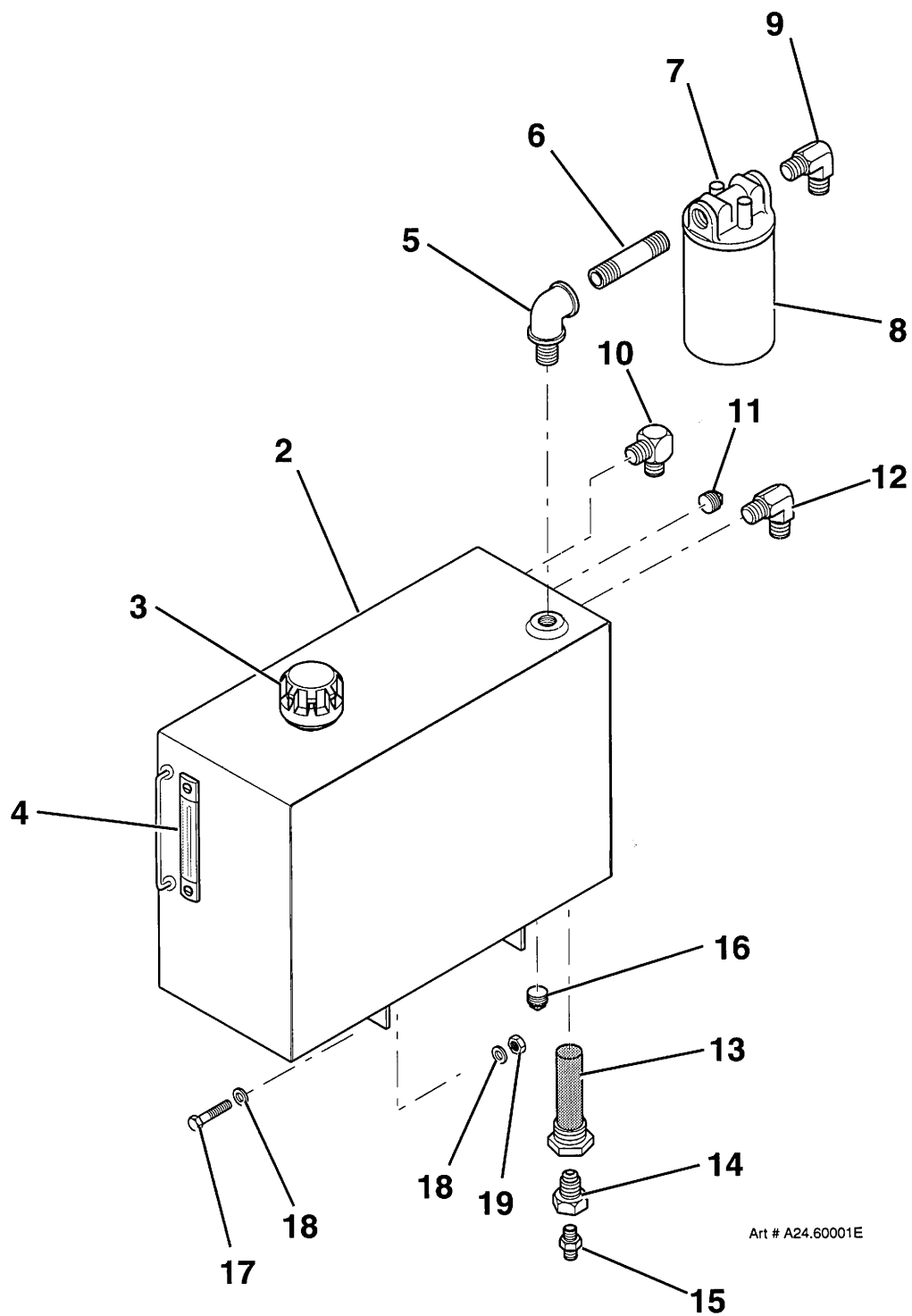
TITLE HYDRAULIC TANK ASSEMBLY, 14 GAL. (53 L)

PLATE NO. 24.60

SIMON AERIALS INC.

NEW 15 NOV., 1996

PART NO. 354 9370



Art # A24.60001E

TITLE

HYDRAULIC TANK ASSEMBLY, 14 GAL. (53 L)

SIMON AERIALS INC.

NEW 15 NOV., 1996

PART
NO.

354 9370

PLATE
NO.

24.60

PARTS LIST

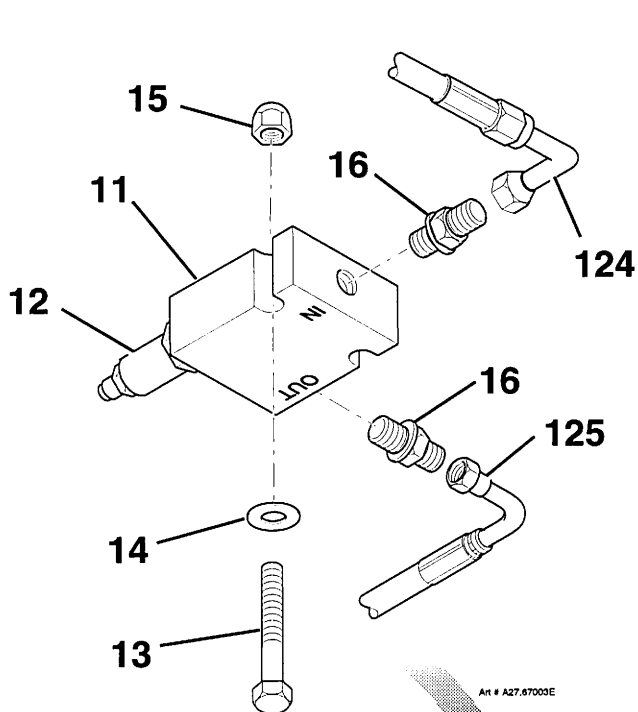
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
	354 5410		HYDRAULIC SUBPLATE ASSEMBLY (For models 3020, 3715 or 4612 Scissors using Lift/ Lower block.)	
1	222 5630		PLATE, HYDRAULIC COMPONENT MOUNTING	1
2	01-104400		LIFT/ LOWER VALVE	1
3	01-104401		CARTRIDGE, LIFT/ LOWER VALVE	2
4	01-104402		COIL, LIFT/ LOWER VALVE (12 Volt DC)	2
5	01-102300		CARTRIDGE, PRESSURE RELIEF	1
6	07-003012		CAP SCREW, HEX HEAD (1/4"-20 x 2-3/4", Grade 5) or ...	2
	07-003034		CAP SCREW, HEX HEAD (5/16"-18 x 3-1/4", Grade 5)	2
7	07-062014		WASHER, FLAT (1/4") or ...	4
	07-062015		WASHER, FLAT (5/16")	4
8	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5) or ...	2
	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
9	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S) (4MJ-4MP 90°)	1
10	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S) (6MJ-8MB 90°)	3
11	01-112700		BLOCK, PRESSURE RELIEF VALVE	1
12	01-102300		CARTRIDGE, PRESSURE RELIEF	1
13	07-003009		CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)	2
14	07-060014		WASHER, FLAT (1/4" SAE)	4
15	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
16	06-001000		CONNECTOR, MALE 37° TO NPT (6-8 FTX-S) (6MP-8MJ)	2
17	01-109400		VALVE, DIRECTIONAL (Steer)	1
18	07-008354		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	4
19	01-078100		SUB PLATE, VALVE	1
20	07-008004		CAP SCREW, HEX SOCKET HEAD (1/4"-20 x 1-1/2", Grade 8)	2
21	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
22	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S) (6MJ-6MB 90°)	1
23	06-044400		90° ELBOW, "O"-RING TO 37° (4-6 C5OX-S) (4MJ-6MB 90°)	2
24	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S) (6MJ-6MJ-6MB)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 1 OF 6)

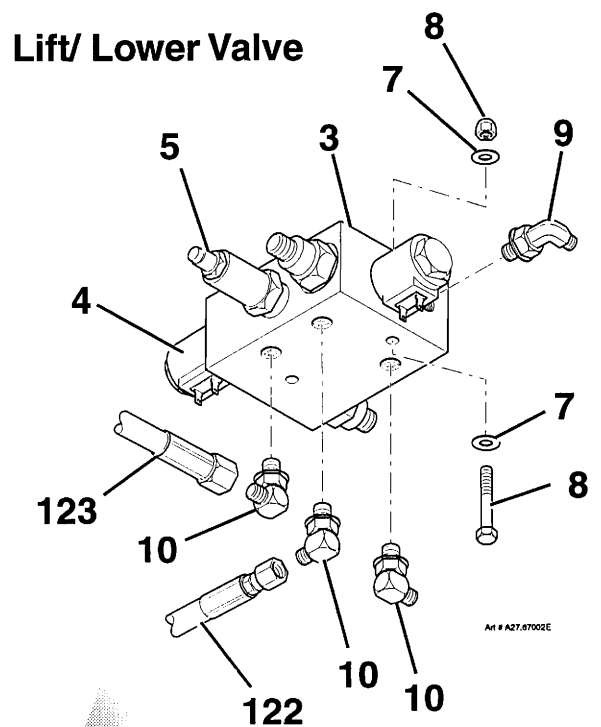
PLATE NO. 27.67 **SIMON AERIALS INC.**

REV. 31 DEC., 1996

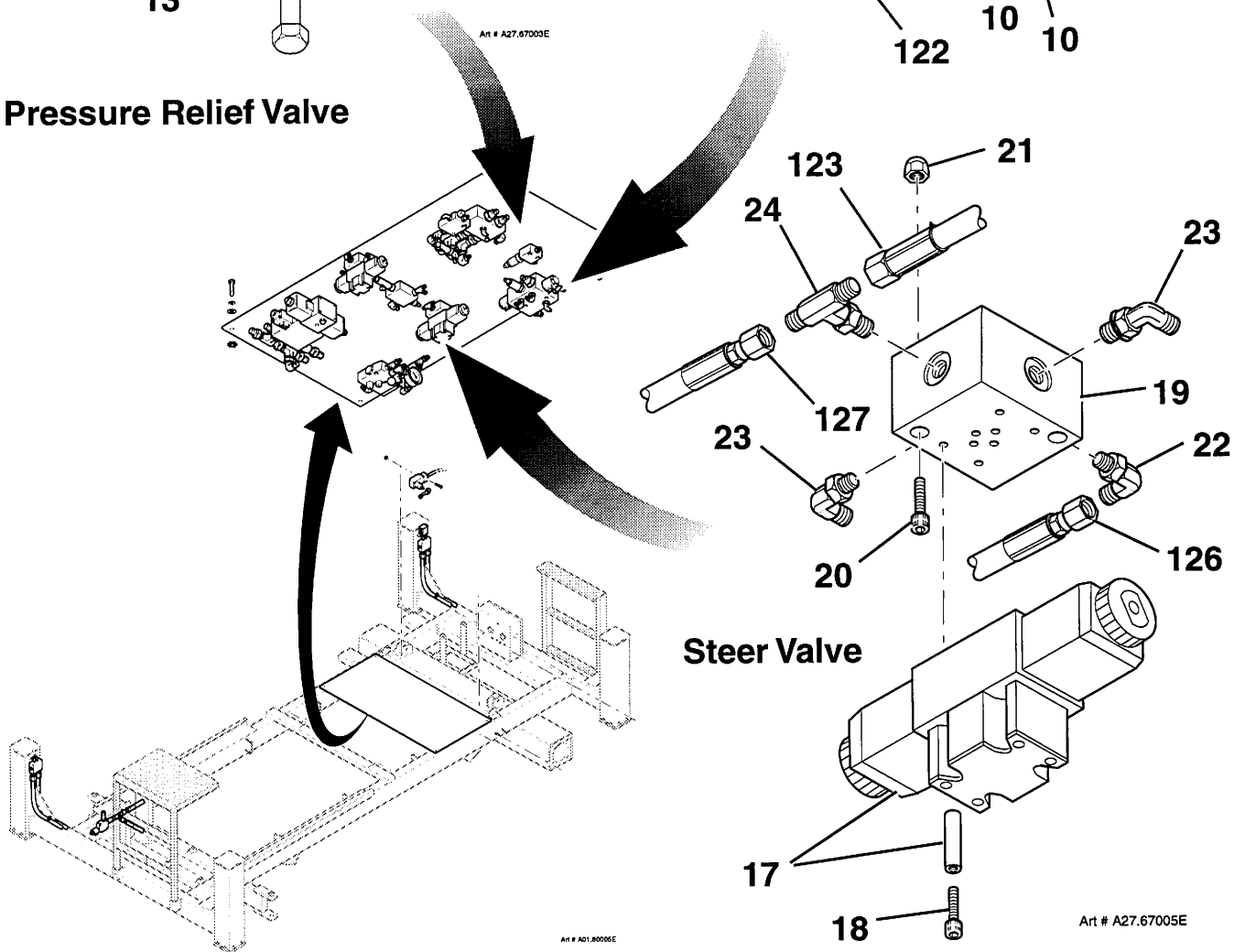
PART NO.



Pressure Relief Valve



Lift/ Lower Valve



Steer Valve

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 1 OF 6)

SIMON AERIALS INC.

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PART
NO.

PLATE
NO.

27.67

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
25	01-107700		VALVE, PRIORITY (0-30 GPM [0-114 L/ min])	1
26	01-107701		HANDLE, PRIORITY VALVE	1
27	06-004400		90° ELBOW, MALE 37° TO NPT (8-8 CTX-S) (8MJ-8MP 90°)	1
28	06-301400		FITTING (8-6 NPT-M) (6MP-8MP)	2
29	06-072800		FEMALE PIPE TEE (3/8 MMO-S) (6FP-6FP-6FP)	5
30	06-021000		UNION TEE, 37° MALE (6 JTX-S) (6MP-6MJ-6MJ)	
			(replaces 24-100774)	1
31	06-082600		90° ELBOW, MALE PIPE THREAD (3/8 CR-S)	1
32	06-000900		CONNECTOR, MALE 37° TO NPT (6-6 FTX-S) (6MJ-6MP)	1
33	06-070700		REDUCER, PIPE THREAD (3/8 x 1/4 PTR-S) (4FP-6MP)	1
34	01-021000		GAUGE, HYDRAULIC PRESSURE (0-4000 PSI [0-28,000 kPa]) (1/4" Male NPT)	1
35	24-100775		NIPPLE, PIPE (3/8 FF-S) (6MP-6MP)	A.R.
36	06-021000		UNION TEE, 37° MALE (6 JTX-S) (6MP-6MJ-6MJ)	
			(replaces 24-100774)	1
37	06-216400		90° ELBOW, MALE 37° TO NPT (4-6 CTX-S) (6MP-4MJ 90°)	1
38	24-100741		90° ELBOW, MALE 37° TO NPT (8 CTX-S) (8MJ-6MP 90°)	
			(Ref. also 06-004200)	1
39	No Part #		90° ELBOW, MALE 37° TO NPT (6-10 CTX-S) (6MP-10MJ 90°)	1
40	07-003012		CAP SCREW, HEX HEAD (1/4"-20 x 2-3/4", Grade 5)	2
41	07-060014		WASHER, FLAT (1/4", SAE)	A.R.
42	07-050014		NUT, HEX (1/4"-20, Grade 5, Nylock)	2
43	01-106200		VALVE, PROPORTIONAL (25 gpm, 190 psi, 12 Volt DC)	1
44	01-106201		VALVE, PROPORTIONAL VALVE COMPENSATOR	1
45	01-106202		SEAL KIT, PROPORTIONAL VALVE	1
46	01-106203		CARTRIDGE, PROPORTIONAL VALVE	1
47	01-106204		COIL, PROPORTIONAL VALVE (12 Volt DC, 2 Amp)	1
48	01-107900		VALVE, DRIVE FORWARD/ REVERSE	1
49	03-700400		GRIP, CORD (1/2", with .24" to .47" seal)	1
50	07-003007		CAP SCREW, SOCKET HEAD (1/4"-20 x 1-1/2", Grade 5)	4
51	06-309300		90° ADAPTER, MALE (8MP-10MJ) (replaces 24-100776)	4
52	06-077400		NIPPLE (LONG), PIPE THREAD (1/2 FF-S) (8MP-8MP)	
			(replaces 24-100767)	3
53	06-072900		FEMALE PIPE TEE (1/2 MMO-S) (8FP-8FP-8FP)	3
54	06-001700		CONNECTOR, MALE 37° TO NPT (12-8 FTX-S) (12MJ-8MP)	1
55	06-001300		CONNECTOR, MALE 37° TO NPT (8-8 FTX-S) (8MJ-8MP)	1
56	06-004400		90° ELBOW, MALE 37° TO NPT (8-8 CTX-S) (8MJ-8MP 90°)	1
57	07-003045		CAP SCREW, HEX HEAD (3/8"-16 X 1", Grade 5)	2
58	07-065016		WASHER, HELICAL LOCK (3/8")	2
59	07-062016		WASHER, FLAT (3/8")	2

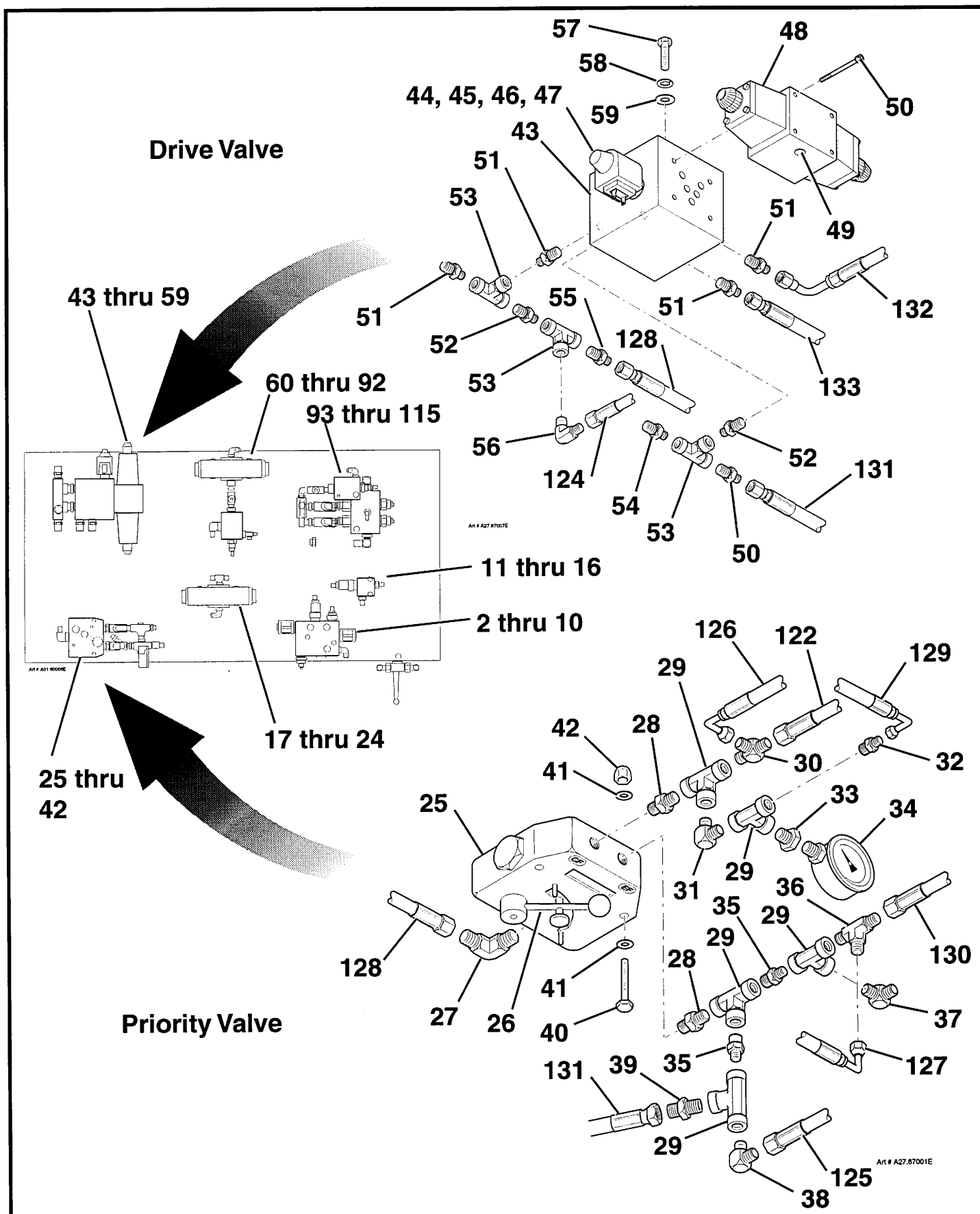
TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 2 OF 6)

PLATE NO. 27.67

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART NO.



TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 2 OF 6)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

27.67

PARTS LIST

[illegible]

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 3 OF 6)

PLATE NO	27.67	SIMON AERIALS INC.	REV. 31 DEC., 1996
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PART NO.	
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This exploded view diagram illustrates the assembly of a hydraulic valve. The components are labeled with numbers 60 through 92. The main body (60, 61) is a rectangular block with mounting tabs. It is secured with screws (70, 71, 72) and a nut (73). Various ports are fitted with elbows (74, 75) and connectors (76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92). The assembly is completed with a cap (62) and a pin (63). The diagram is a technical line drawing showing the spatial relationship between the parts.

With Stabilizers

25 thru

Art # A27.71003E

This diagram illustrates the assembly of a hydraulic system. It shows a main rectangular block with various ports and components. Key parts and their reference numbers are as follows:

- 60 thru 92**: A large arrow points from this label to a component on the top right of the main block.
- 2**: Points to a component on the top right of the main block.
- 25 thru 42**: Points to a component on the bottom left of the main block.
- 2 thru 10**: Points to a component on the bottom right of the main block.
- 11 thru 16**: Points to a component on the bottom right of the main block.
- 17 thru 24**: Points to a component on the bottom right of the main block.
- 116 thru 120**: Points to a component on the bottom right of the main block.
- 62**: Points to a component on the top left of the main block.
- 59**: Points to a component on the top left of the main block.
- Art# A27.71005E**: Located near the top left of the main block.
- Art# A01.00000E**: Located near the bottom left of the main block.
- 92**: Points to a component on the bottom left of the main block.
- 129**: Points to a component on the bottom left of the main block.
- 51**: Points to a component on the top left of the main block.
- 6**: Points to a component on the top left of the main block.
- 88**: Points to a component on the bottom left of the main block.

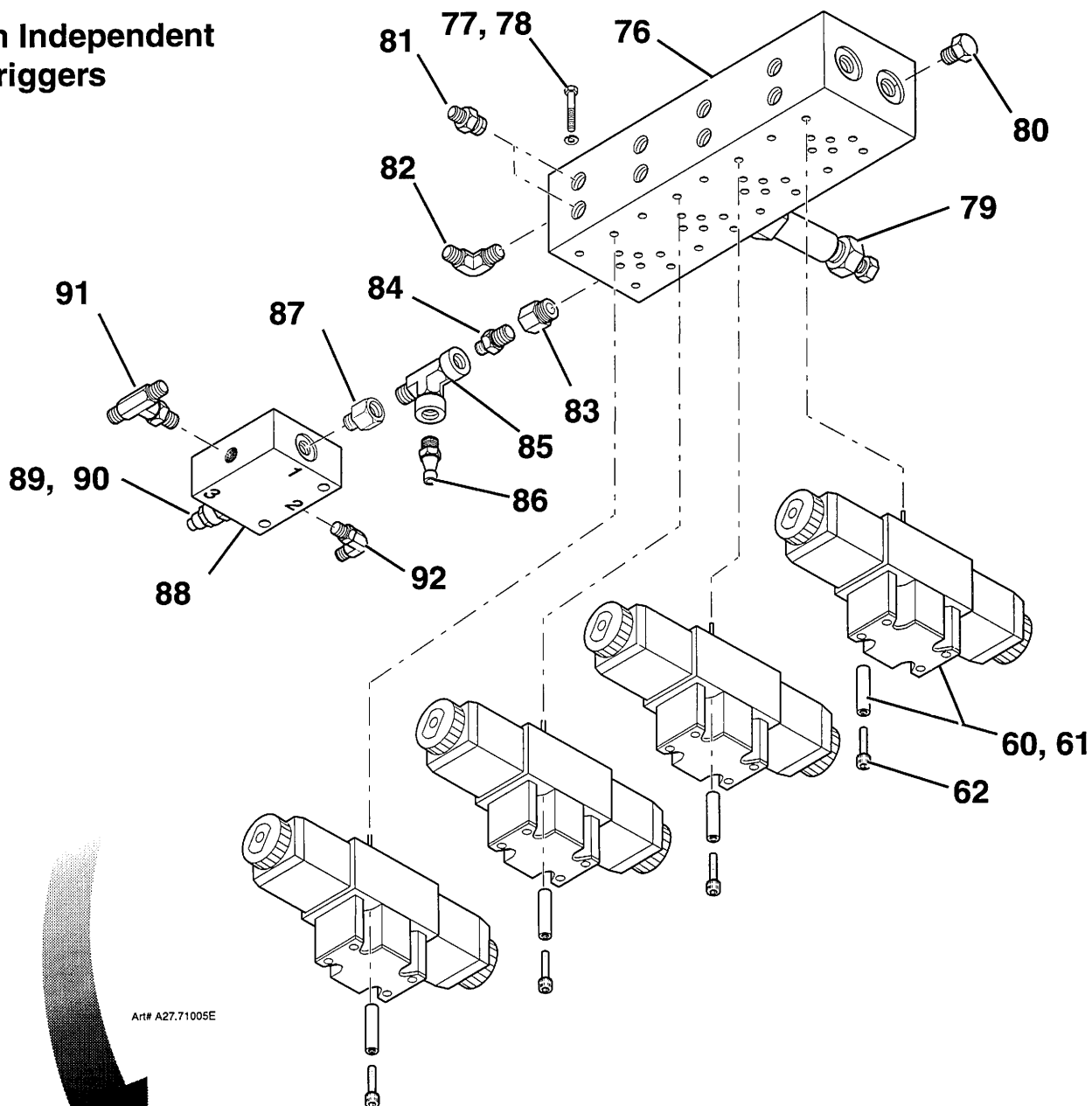
PLATE NO.	27.67
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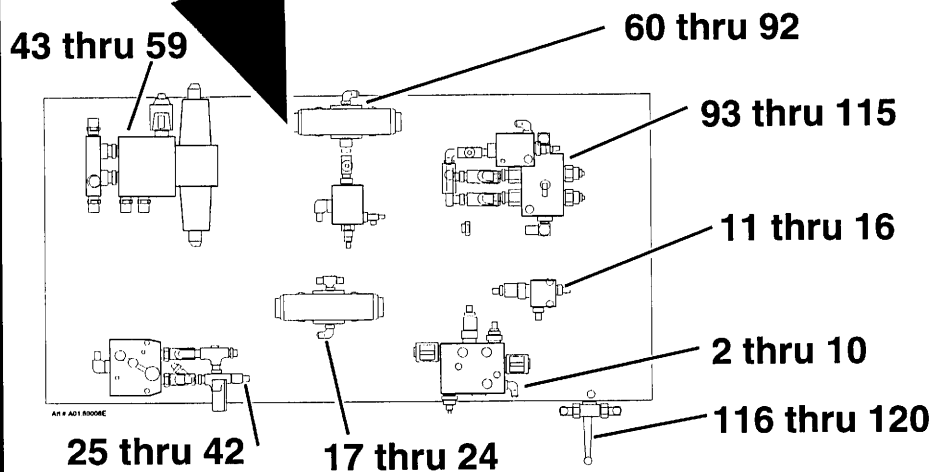
PLATE NO. 27.67	SIMON AERIALS INC.
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**PART
NO.**

With Independent Outriggers



Art# A27.71005E



TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 4 OF 6)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

27.67

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
93	01-012400		VALVE, MOTION CONTROL (with shuttle)	1
94	06-045200		90° ELBOW, "O"-RING TO 37° (10 C5OX-S) (10MJ-10MB 90°)	2
95	06-304400		ADAPTER, "O"-RING TO FEMALE NPT (10-8 F5OG-S) (10MB-8FP)	2
96	06-077400		NIPPLE (LONG), PIPE THREAD (1/2 FF-S) (8MP-8MP) (replaces 24-100767)	2
97	06-072900		FEMALE PIPE TEE (1/2 MMO-S)	2
98	06-309300		90° ADAPTER, MALE (8MP-10MJ) (replaces 24-100776)	2
99	06-004400		90° ELBOW, MALE 37° TO NPT (8-8 CTX-S) (8MJ-8MP 90°)	2
100	06-044300		90° ELBOW, "O"-RING TO 37° (4 C5OX-S) (4MB-4MJ 90°)	1
101	07-003030		CAP SCREW, HEX HEAD (5/16"-18 x 2-1/4", Grade 5)	1
102	07-062015		WASHER, FLAT (5/16")	6
103	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2
104	07-003036		CAP SCREW, HEX HEAD (5/16"-18 x 3-3/4", Grade 5)	1
105	01-012800		VALVE, PRESSURE REDUCING (100 to 300 psi [6.9 to 20.7 bar], @ 10 gpm [37.9 L/ min])	1
106	01-012801		SEAL KIT, PRESSURE REDUCING VALVE	1
107	01-012802		CARTRIDGE, PRESSURE REDUCING VALVE	1
108	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S) (6MJ-6MJ-6MB)	1
109	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S) (4MJ-6MB)	1
110	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5OG-S)	1
111	06-074700		STREET TEE (1/4 MRO-S)(4MP-4MP-4FP)	1
112	24-100842		FITTING, DIAGNOSTIC (PD 343)	1
113	06-082500		90° ELBOW, MALE PIPE THREAD (1/4 CR-S) (4MP-4MP 90°)	1
114	01-103300		VALVE, FLOW CONTROL (1 way)	1
115	06-000400		CONNECTOR, MALE 37° TO NPT (4-4 FTX-S) (4MJ-4MP)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 5 OF 6)

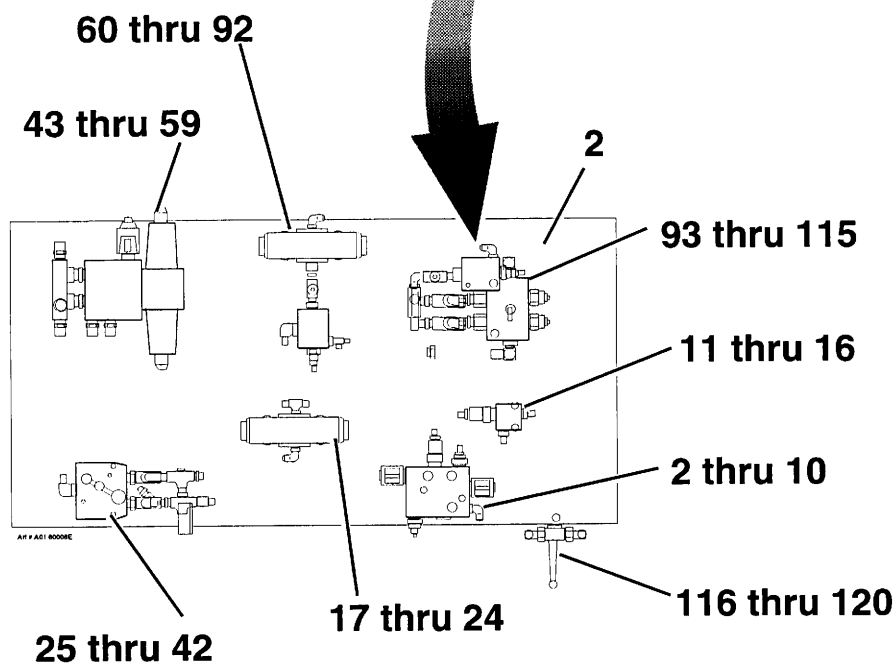
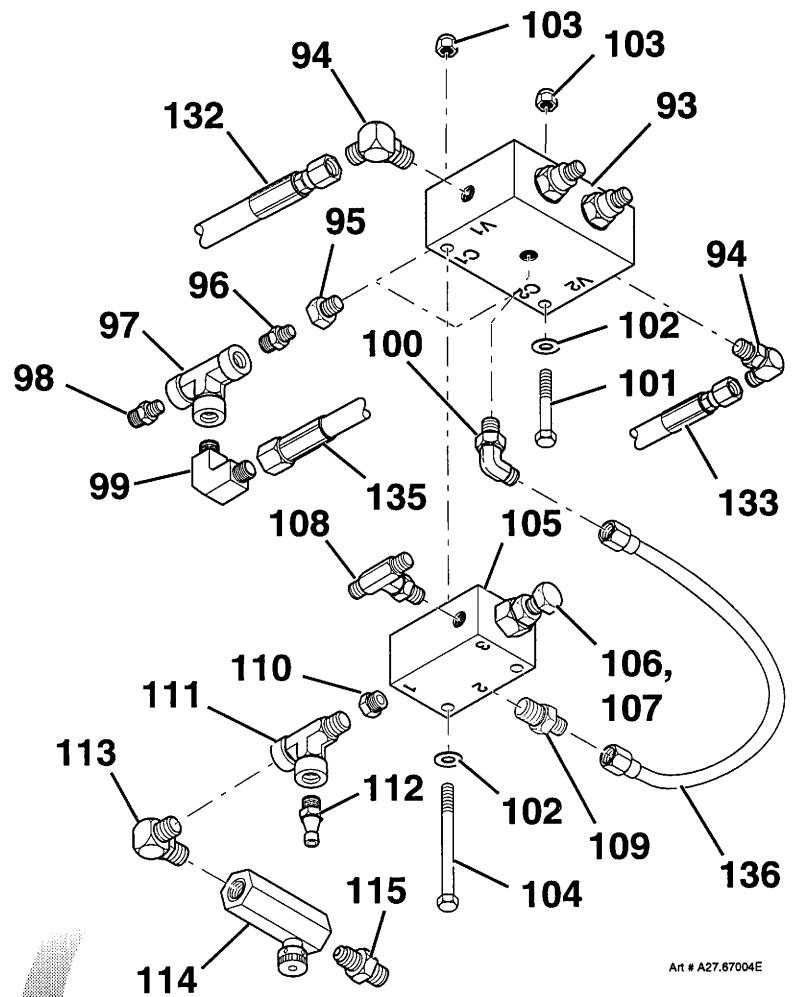
PLATE NO. 27.67

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART NO.

Motion Control Valve



TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 5 OF 6)

SIMON AERIALS INC.

REV. 31 DEC., 1996

**PART
NO.**

**PLATE
NO.**

27.67

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
116	01-107800		VALVE, MOTOR RELEASE	1
117			90° ELBOW, MALE 37° TO NPT	2
	06-003500		4-4 CTX-S (4MJ-4MP) for 2 Wheel Drive versions	
	06-003800		6 CTX-S (6MJ-4MP) for 4 Wheel Drive versions	
118	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	1
119	07-062015		WASHER, FLAT (5/16")	A.R.
120	07-050015		NUT, STOP (5/16"-18, Grade 5)	1
121	354 5420		HOSE KIT (consists of all hoses listed below)	1
122	-----		Lift/ Lower Valve port "IN" to Priority Valve port "CF"	
			(6M3K 6FJX-6FJX, 23" [60 cm] long)	1
123	-----		Lift/ Lower Valve port "OUT" to Steer Valve port "T"	
			(6M3K 6FJX-6FJX, 14" [35 cm] long)	1
124	-----		Pressure Relief Valve port "IN" to Drive Valve port "P"	
			(8M3K 8FJX-8FJX90, 45" [1.15 M] long)	1
125	-----		Pressure Relief Valve port "OUT" to Priority Valve port "EF"	
			(8M3K 8FJX-8FJX90, 30" [.76 M] long)	1
126	-----		Steer Valve subplate port "P" to Priority Valve port "CF"	
			(6M3K 6FJX-6FJX90, 9" [25 cm] long)	1
127	-----		Steer Valve subplate port "T" to Priority Valve port "EF"	
			(6M3K 6FJX-6FJX90L, 15" [40 cm] long)	1
128	-----		Priority Valve port "IN" to Drive Valve port "P"	
			(8M3K 8FJX-8FJX, 13" [35 cm] long)	1
129	-----		Priority Valve port "CF" to Stabilizer P.R. Valve port "2"	
			(6M3K 6FJX-6FJX90, 17" [45 cm] long)	1
130	-----		Priority Valve port "EF" to Stabilizer P.R. Valve port "3"	
			(6M3K 6FJX-6FJX, 25" [65 cm] long)	1
131	-----		Priority Valve port "EF" to Drive Valve port "T"	
			(10M3K 10FJX-10FJX, 16" [40 cm] long)	1
132	-----		Drive Valve port "A" to Motion Control Valve port "V1"	
			(6M3K 6FJX-6FJX90, 48" [1.20 M] long)	1
133	-----		Drive Valve port "B" to Motion Control Valve port "V2"	
			(6M3K 6FJX-6FJX, 40" [1.10 M] long)	1
134	-----		Stabilizer Valve port "T" to Stabilizer P.R. Valve port "3"	
			(6M3K 6FJX-6FJX90)	1
135	-----		Motion Control Valve port "C1" or "C2" to Motor Release Loop Valve (4M3K 4FJX-4FJX90, 25" [65 cm] long)	2
136	-----		Motion Control Valve "Top" port to P.R. Valve port "2"	
			(4M3K 4FJX-4FJX, 14" [36 cm] long)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 6 OF 6)

PLATE NO. 27.67

SIMON AERIALS INC.

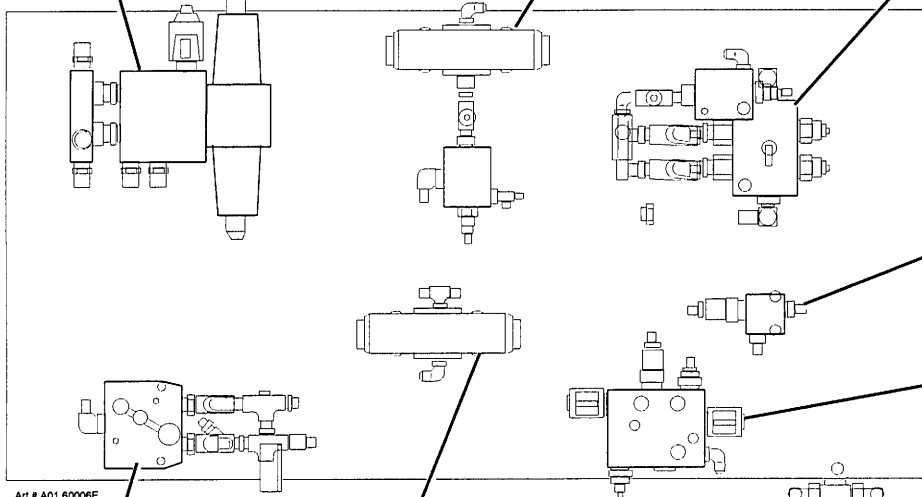
REV. 31 DEC., 1996

PART NO.

43 thru 59

60 thru 92

93 thru 115



11 thru 16

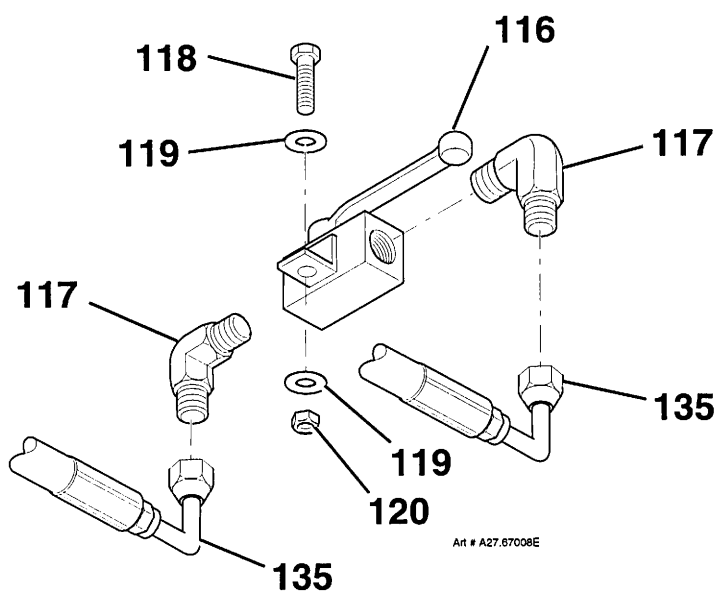
2 thru 10

25 thru 42

17 thru 24

116 thru 120

Art # A01.60006E



Art # A27.67008E

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 6 OF 6)

SIMON AERIALS INC.

REV. 31 DEC., 1996

PART
NO.

PLATE
NO.

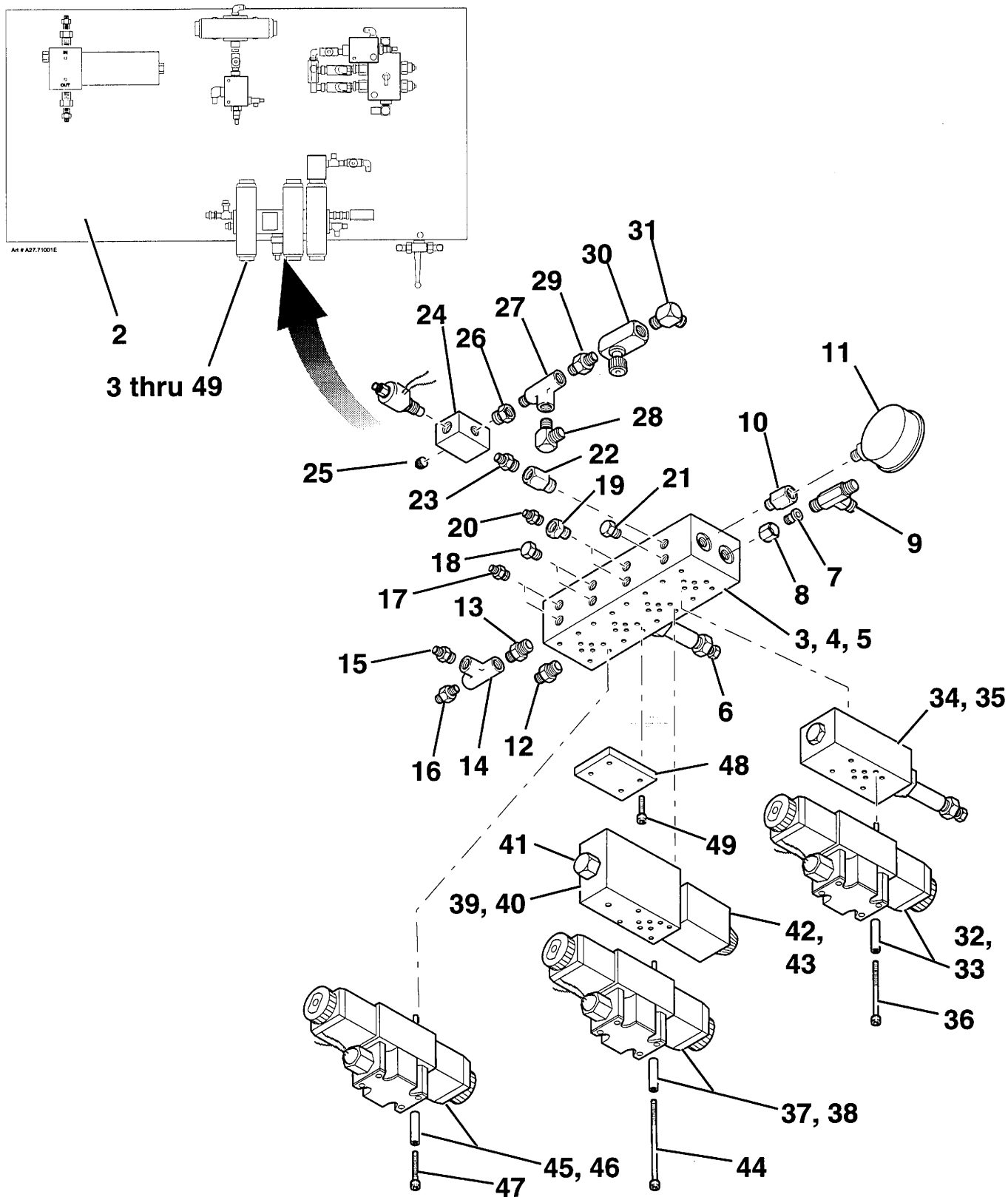
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PARTS LIST

ITEM	PART NO	SEE SECTION	DESCF
1	354 9390		HYDRAULIC SUBPLATE A (For models 3020, 3715 c 24 HP Gas Engine.)
2	222 5630		(For models 3020, 3715 c PLATE, HYDRAULIC C
3	01-108600		MANIFOLD, 4 STATION
4	07-003025		CAP SCREW, HEX HE.
5	07-065015		WASHER, HELICAL LC
6	01-102300		CARTRIDGE, PRESSU
7	06-060100		REDUCER, TUBE END
8	06-057500		NUT, TUBE (6 BTX-S)
9	06-050000		BRANCH TEE, MALE "
10	06-086600		(6MJ-6MJ-6MB) ADAPTER, "O"-RING T (6-1/4 F5OG-S) (6MB
11	01-021000		GAUGE, HYDRAULIC I (0-4000 PSI [0-28,000
12	- - -		FITTING, 6MB
13	- - -		FITTING, 6MB-6MP
14	06-072800		FEMALE PIPE TEE (3/4
15	06-000900		CONNECTOR, MALE 3 (6MP-6MJ)
16	06-001100		CONNECTOR, MALE 3
17	06-039500		ADAPTER, "O"-RING T
18	24-100430		FITTING PLUG (6MB) (withou
	- - -		FITTING (6MB) (with
19	- - -		FITTING, 6MB-6FP
20	06-001100		CONNECTOR, MALE 3
21	24-100430		PLUG (6MB)
22	06-086600		ADAPTER, "O"-RING T (6-1/4 F5OG-S) (6MB
23	06-216500		NIPPLE, PIPE (3/8 x 1/

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 461

PLATE NO.	27.71	SIMON AERIALS INC.
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Art # A27.71002E

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 1 OF 5)

SIMON AERIALS INC.

NEW 17 DEC., 1996

PART
NO.

PLATE
NO.

27.71

PARTS LIST

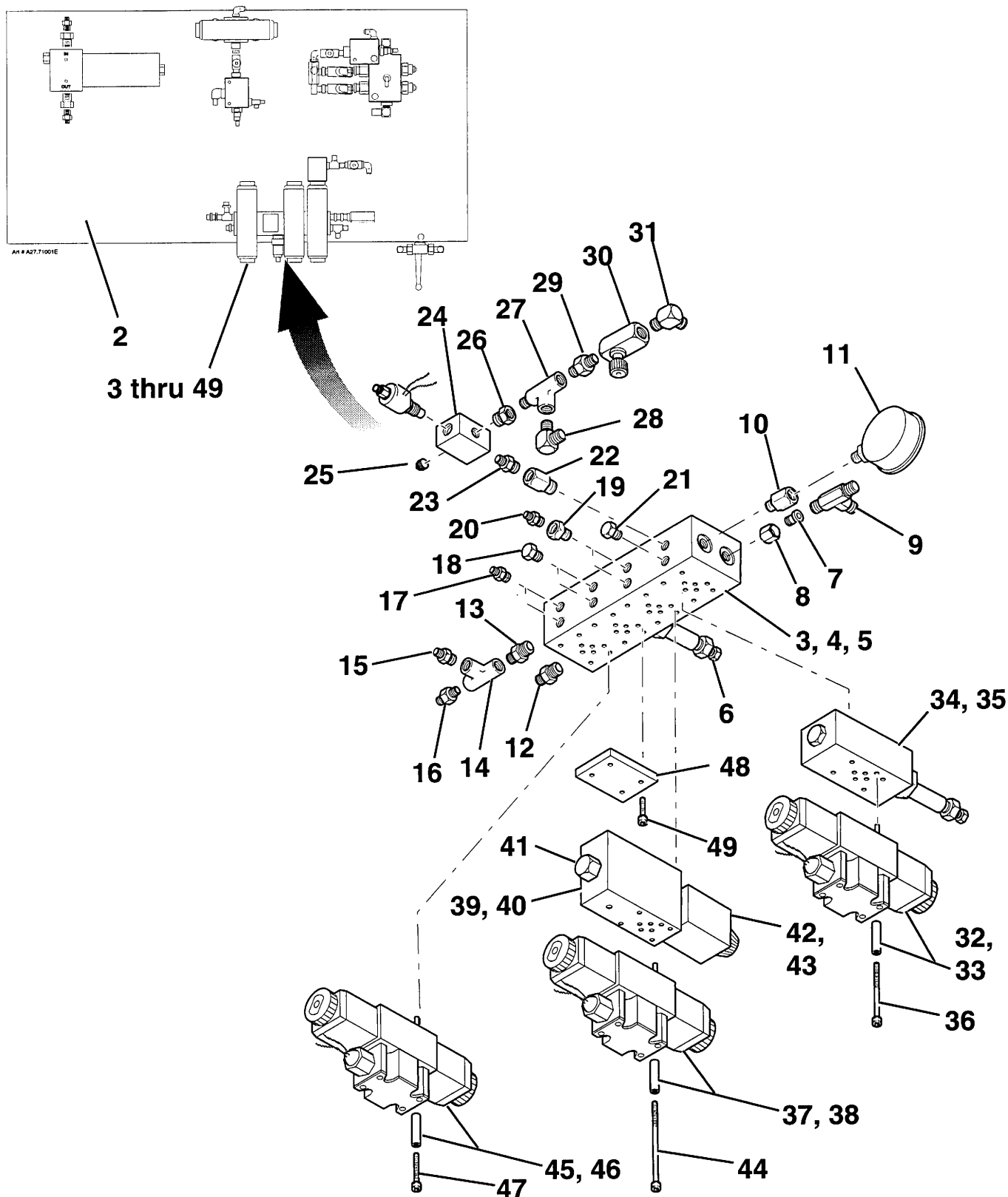
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
24	01-246800		HYDRAULIC SUBPLATE ASSEMBLY (continued) VALVE, HOLDING (Lift cylinders) (includes cartridge and coil) (was 16-800328)	1
25	06-079900		PLUG, HEX SOCKET NPT (3/8 HHP-S) (6MP)	1
26	06-070700		REDUCER, PIPE THREAD (3/8 x 1/4 PTR-S) (6MP-4FP)	1
27	06-074700		STREET TEE (1/4 MRO-S) (4MP-4FP-4FP)	1
28	06-003500		90° ELBOW, MALE 37° TO NPT (4-4 CTX-S) (4MP-4MJ 90°)	1
29	06-076900		NIPPLE, PIPE THREAD (1/4 FF-S) (4MP-4MP)	1
30	01-101400		VALVE, 1-WAY FLOW CONTROL (Lift cylinders) (replaces 16-700231)	1
31	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S) (4MP-6MJ 90°)	1
32	01-109300		VALVE, DIRECTIONAL (Lift/ Lower) (D03)	1
33	01-109301		COIL, LIFT/ LOWER VALVE (12 Volt DC)	2
34	01-113400		VALVE, RELIEF ("Sandwich" Valve. Pilot operated)	1
35	01-113401		CARTRIDGE, PRESSURE RELIEF	1
36	07-008360		CAP SCREW, HEX SOCKET HEAD (#10-24 x 2-3/4", Grade 8)	4
37	01-109500		VALVE, DIRECTIONAL (Drive Forward/ Reverse) (D03)	1
38	01-109501		COIL, DRIVE VALVE (12 Volt DC)	2
39	01-105400		VALVE, PROPORTIONAL FLOW (10 gpm [42 L/ min])	1
40	01-105404		SEAL KIT, PROPORTIONAL VALVE	1
41	01-105401		VALVE, DIFFERENTIAL CONTROL (marked "CP700-2L-B-0-15D")	1
42	01-105402		CARTRIDGE, PROPORTIONAL FLOW VALVE (marked "CP550-30-B-5-12D")	1
43	01-105405		COIL, PROPORTIONAL FLOW VALVE (marked "D14-68P-28", 12 Volt DC, 2 Amp)	1
44	07-008369		CAP SCREW, HEX SOCKET HEAD (#10-24 x 5", Grade 8)	4
45	01-109400		VALVE, DIRECTIONAL (Steer) (D03)	1
46	01-109401		COIL, STEER VALVE (12 Volt DC)	2
47	07-008354		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	4
48	16-100027		PLATE, BLANKING	1
49	07-008350		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1/2", Grade 8)	4

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 2 OF 5)

PLATE NO. 27.71 **SIMON AERIALS INC.**

NEW 17 DEC., 1996

PART NO.



Art # A27.71002E

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 2 OF 5)

SIMON AERIALS INC.

NEW 17 DEC., 1996

PART
NO.

PLATE
NO. 27.71

PARTS LIST

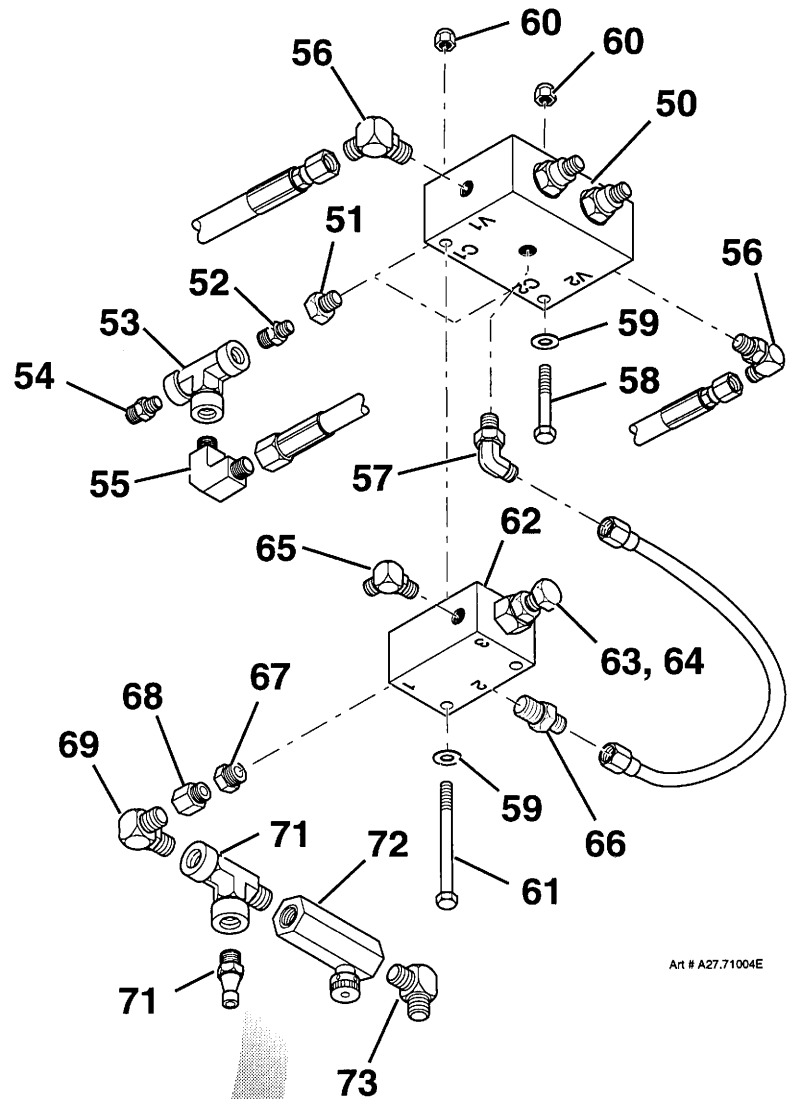
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
50	---		HYDRAULIC SUBPLATE ASSEMBLY (continued)	
51	06-304400		VALVE	1
			ADAPTER, "O"-RING TO FEMALE NPT	
			(10-1/2 F5OG-S) (10MB-8FP)	2
52	06-077400		NIPPLE, PIPE THREAD (1/2 FF-S) (8MP-8MP)	2
53	06-072900		FEMALE PIPE TEE (1/2 MMO-S) (8FP-8FP-8FP)	2
54	06-001300		CONNECTOR, MALE 37° TO NPT (8-8 FTX-S)	
			(8MJ-8MP)	2
55	06-216300		90° ELBOW, MALE 37° TO NPT (4-8 CTX-S)	
			(4MJ-8MP 90°)	2
56	06-045000		90° ELBOW, "O"-RING TO 37° (8-10 C5OX-S)	
			(8MJ-10MB 90°)	2
57	06-044300		90° ELBOW, "O"-RING TO 37° (4 C5OX-S)	
			(4MB-4MJ 90°)	1
58	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	1
59	07-062015		WASHER, FLAT (5/16")	2
60	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2
61	07-003035		CAP SCREW, HEX HEAD (5/16"-18 x 3-1/2", Grade 5)	1
62	01-012800		VALVE, PRESSURE REDUCING (100 to 300 psi	
			[6.9 to 20.7 bar], @ 10 gpm [37.9 L/ min])	1
63	01-012801		SEAL KIT, PRESSURE REDUCING VALVE	1
64	01-012802		CARTRIDGE, PRESSURE REDUCING VALVE	1
65	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	
			(6MB-6MJ 90°)	1
66	06-039600		ADAPTER, "O"-RING TO 37° (4-8 F5OX-S) (4MJ-8MB)	1
67	06-086800		ADAPTER, "O"-RING TO FEMALE NPT (8-1/4 F5OG5-S)	
			(8MB-4FP)	1
68	---		CONNECTOR, MALE TO FEMALE NPT (1/4 FG)	
			(4MP-4FP)	1
69	06-082500		90° ELBOW, MALE PIPE THREAD (1/4 CR-S)	
			(4MP-4MP 90°)	1
70	06-074700		STREET TEE (1/4 MRO-S) (4MP-4FP-4FP)	1
71	24-100842		FITTING, DIAGNOSTIC (PD 343)	1
72	01-103300		VALVE, 1-WAY FLOW CONTROL (Brake)	
			(replaces 01-101400)	1
73	06-000400		CONNECTOR, MALE 37° TO NPT (4-4 FTX-S)	
			(4MJ-4MP)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 3 OF 5)

PLATE NO. 27.71 **SIMON AERIALS INC.**

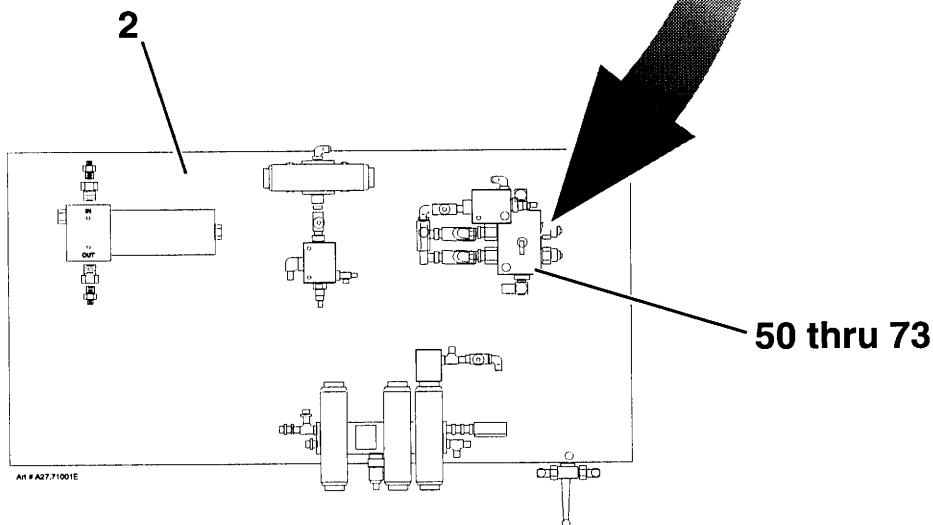
NEW 17 DEC., 1996

PART NO.



Art # A27.71004E

Motion Control Valve



Art # A27.71001E

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 3 OF 5)

SIMON AERIALS INC.

NEW 17 DEC., 1996

**PART
NO.**

**PLATE
NO.**

27.71

PARTS LIST

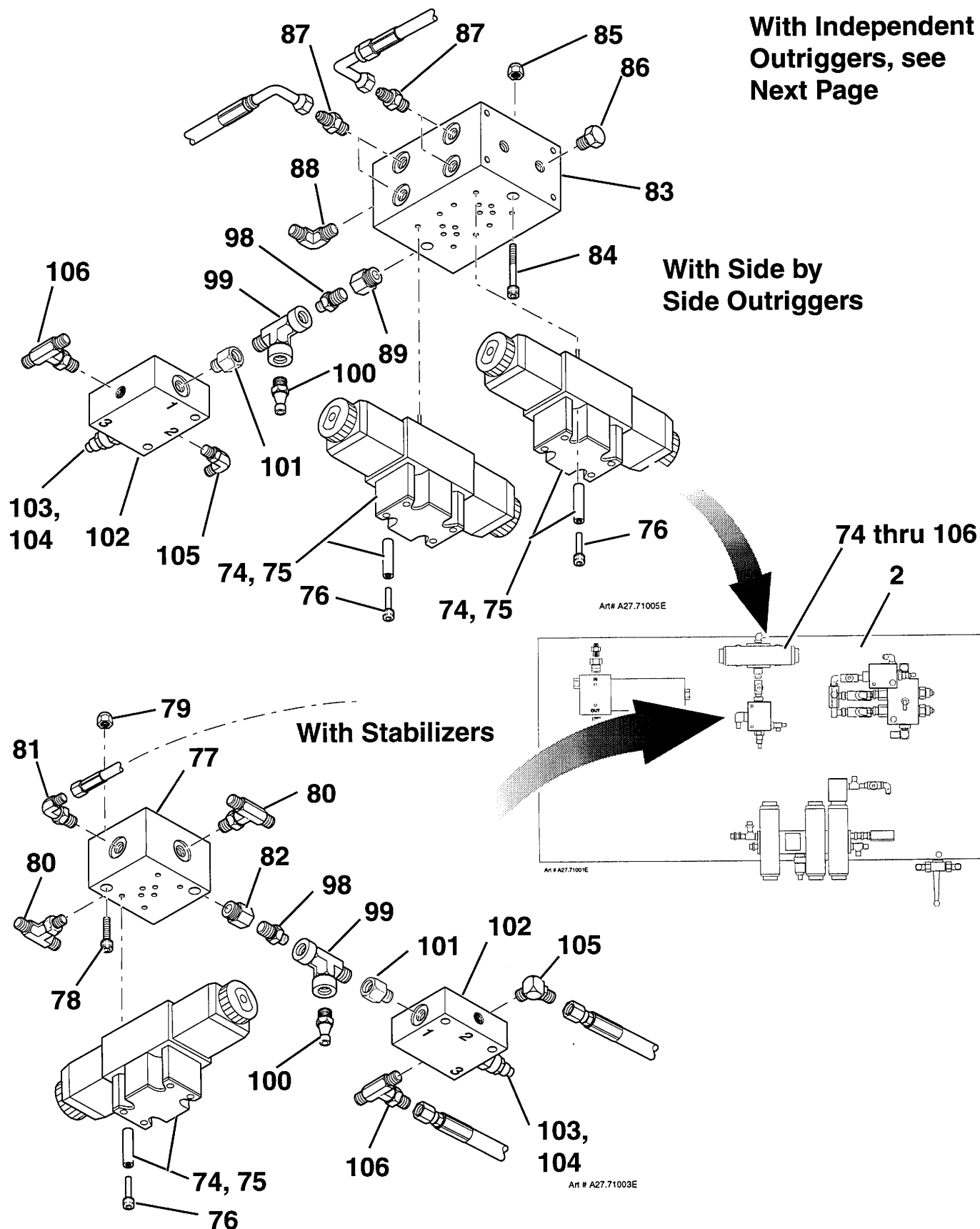
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
74	01-109500		HYDRAULIC SUBPLATE ASSEMBLY (continued) VALVE, DIRECTIONAL (D03) When Stabilizers are fitted	A.R. 1
			When optional Side by Side Outriggers are fitted	2
			When optional Independent Outriggers are fitted	4
75	01-109501		COIL, DRIVE VALVE (12 Volt DC)	2
76	07-008354		CAP SCREW, HEX SOCKET HEAD (#10-24 x 1-1/4", Grade 8) (4 used per Directional Valve)	A.R.
77	01-078100		SUB PLATE, VALVE (Single station. When Stabilizers are fitted.)	1
78	07-008004		CAP SCREW, HEX SOCKET HEAD (1/4"-20 x 1-1/2", Grade 8)	2
79	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
80	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S5OX-S) (6MJ-6MJ-6MB)	2
81	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S) (6MJ-6MB 90°)	1
82	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5OG-S) (6MB-4FP)	1
83	16-101310		MANIFOLD, 2 STATION (When optional Side by Side Outriggers are fitted)	1
84	07-008004		CAP SCREW, HEX SOCKET HEAD (1/4"-20 x 1-1/2", Grade 8)	2
85	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2
86	06-079600		FITTING PLUG, HEX SOCKET NPT (1/2 HHP-S) (8MP) (without optional Traversing Deck)	2
	---		FITTING (8MP) (with optional Traversing Deck)	
87	06-000900		CONNECTOR, MALE 37° TO NPT (6-6 FTX-S) (6MP-6MJ)	4
88	06-004100		90° ELBOW, MALE 37° TO NPT (6-8 CTX-S) (8MP-6MJ 90°)	1
89	06-071000		REDUCER, PIPE THREAD (1/2 x 1/4 PTR-S) (8MP-4FP)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 4 OF 5)

PLATE NO. 27.71 **SIMON AERIALS INC.**

NEW 17 DEC., 1996

PART NO.



TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 4 OF 5)

SIMON AERIALS INC.

NEW 17 DEC., 1996

PART
NO.

PLATE
NO.

27.71

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
90	01-108600		HYDRAULIC SUBPLATE ASSEMBLY (continued) MANIFOLD, 4 STATION (replaces 01-101600) (When optional Independent Outriggers are fitted)	1
91	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	4
92	07-065015		WASHER, HELICAL LOCK (5/16")	4
93	01-102300		CARTRIDGE, PRESSURE RELIEF	1
94	24-100430		FITTING PLUG (6MB) (without optional Traversing Deck) FITTING (6MB) (with optional Traversing Deck)	2
95	06-039800		ADAPTER, "O"-RING TO 37° (6 F5OX-S) (6MB-6MJ)	8
96	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S) (6MB-6MJ 90°)	1
97	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F5OG-S) (6MB-4FP)	1
98	06-076900		REDUCER/ EXPANDER (LONG), PIPE THREAD (1/4 FF-S) (4MP-4MP)	1
99	06-074700		STREET TEE (1/4 MRO-S) (4MP-4MP-4FP)	1
100	24-100842		FITTING, DIAGNOSTIC (PD 343)	1
101	06-086800		ADAPTER, "O"-RING TO FEMALE NPT (8-1/4 F5OG-S) (8MB-4FP)	1
102	01-012800		VALVE, PRESSURE REDUCING (100 to 300 psi [6.9 to 20.7 bar], @ 10 gpm [37.9 L/ min])	1
103	01-012801		SEAL KIT, PRESSURE REDUCING VALVE	1
104	01-012802		CARTRIDGE, PRESSURE REDUCING VALVE	1
105	06-044700		90° ELBOW, "O"-RING TO 37° (6-8 C5OX-S) (8MB-6MJ 90°)	1
106	06-048500		RUN TEE, MALE "O"-RING TO 37° (6 R5OX-S) (6MB-6MJ-6MJ)	1
107	01-035100		FILTER, HIGH PRESSURE (25 Micron)	1
108	01-106100		ELEMENT, FILTER, (25 Micron, 3" dia. x 10" long)	1
109	07-003026		CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)	1
110	07-065015		WASHER, HELICAL LOCK (5/16")	1
111	06-092200		REDUCER/ EXPANDER (20-12 F5OG5-S) (20MB-12FB)	2
112	06-040400		ADAPTER, "O"-RING TO 37° (8-12 F5OX-S) (8MJ-12MB)	2
113	01-107800		VALVE, MOTOR RELEASE (replaces 16-100982)	1
114			90° ELBOW, MALE 37° TO NPT	2
	06-003500		4-4 CTX-S (4MJ-4MP) for 2 Wheel Drive versions	
	06-003800		6 CTX-S (6MJ-4MP) for 4 Wheel Drive versions	
115	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	1
116	07-062015		WASHER, FLAT (5/16")	A.R.
117	07-050015		NUT, STOP (5/16"-18, Grade 5)	1

TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 5 OF 5)

PLATE NO.

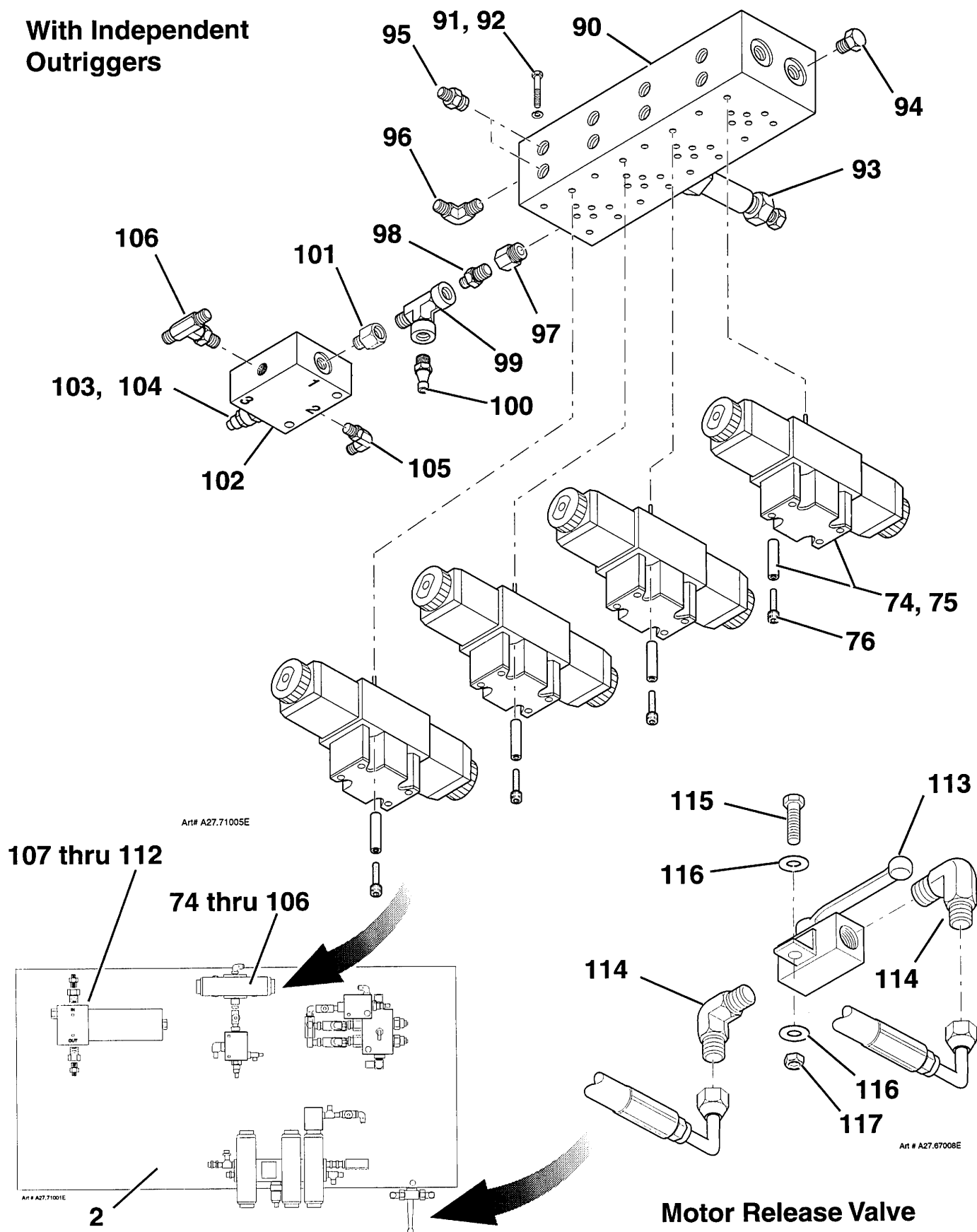
27.71

SIMON AERIALS INC.

NEW 17 DEC., 1996

PART NO.

With Independent Outriggers



TITLE HYDRAULIC SUBPLATE, 3020, 3715, 4612 SCISSORS (PLATE 5 OF 5)

SIMON AERIALS INC.

NEW 17 DEC., 1996

PART
NO.

PLATE
NO. 27.71

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			DECAL KIT, 4612 Scissors (Not available. Order decals individually.)	1
2	10-261400		DECAL, "DANGER" (Hazard listing, at ground controls) (Supercedes earlier version labelled 10-130600.)	1
3	10-130400		DECAL, "DANGER" (Hazard listing, at platform controls)	1
4	10-130000		DECAL, "DANGER" ("Electrocution . . .")	2
5	10-130300		DECAL, "DANGER" ("Keep away. Pinch points will . . .")	4
6	10-130700		DECAL, "DANGER" ("Stand clear. Outrigger contact . . .")	4
7	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"	1
8			PLACARD, FUEL (with fuel powered scissors only)	1
	10-117900		"GASOLINE ONLY"	
	10-265300		"REGULAR GASOLINE ONLY" (Obsolete style. Some earlier versions were labelled 47-100225.)	
	10-151100		"DIESEL FUEL ONLY" (with optional Diesel engine)	
9	10-156100		DECAL, "MOTOR RELEASE VALVE; BRAKE VALVE; BRAKE PUMP" (3 decals on tear off sheet, standard style)	1
10	10-228600		DECAL, "MOTOR RELEASE VALVE" (optional style)	1
11	10-228800		DECAL, "BRAKE VALVE" (optional style)	1
12	10-228700		DECAL, "BRAKE PUMP" (optional style)	1
13	10-144500		DECAL, "MANUAL BRAKE RELEASE . . ."	1
14			DECAL, FILLED TIRES (This vehicle equipped . . . Towing at speeds over 10 . . .)	1
	10-208300		With calcium filled tires	
	47-100107		With foam filled tires (replaces 47-215359)	
15	10-209400		DECAL, "TIGHTEN LUG NUTS TO 90 FT./ LBS."	1
16	10-232600		DECAL, RELIEF VALVE ("Use RV3 . . . in side - out nose")	1
17	10-232600		DECAL, DEUTZ FL1011 ENGINE (marked "02974983")	1
18	10-232800		DECAL, ENGINE CONTROL BOX (for Deutz Diesel only) (Glow plug/ Low oil pressure/ High engine temp)	1
19	10-266000		PLACARD, GROUND CONTROL (Later version. Replaces individual decals, below)	1
20	47-100224		DECAL, "EMERGENCY STOP SWITCH" (obsolete)	1
21	10-209500		PLATE, "LIFT/ LOWER" (Silver lettering on Black) (obsolete)	1
	10-209500		DECAL, "UP/ DOWN" (Black lettering on White, with arrows) (obsolete, replaced by "Lift/ Lower" plate, above)	1
22	10-205100		PLATE, "HIGH RANGE/ LOW RANGE" (obsolete) (if so equipped)	1

TITLE

DECALS, 4612 SCISSORS (PLATE 1 OF 3)

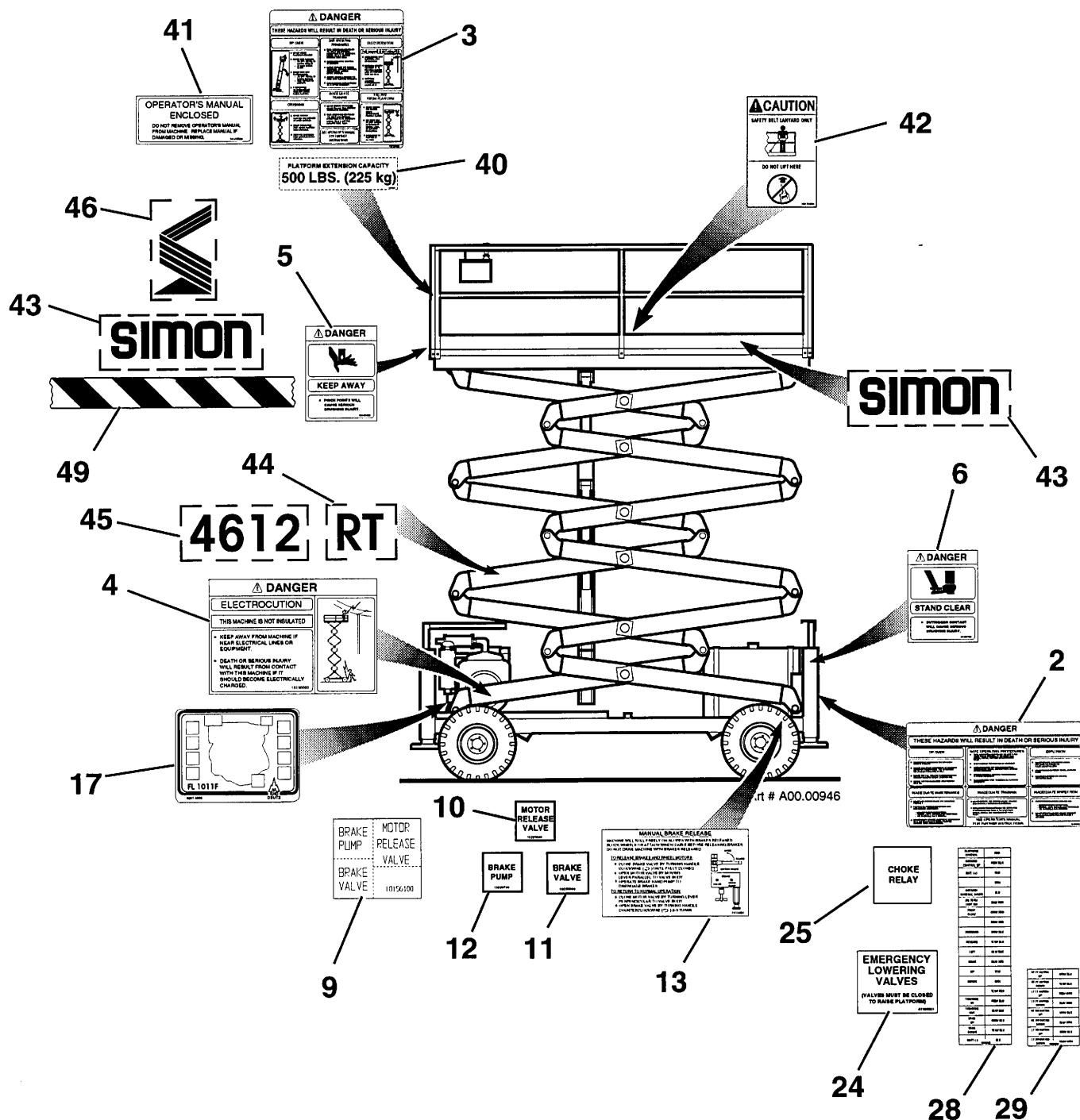
PLATE NO.

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SIMON AERIALS INC.

REV. 05 DEC., 1996

PART NO.



Left Side Decals

TITLE

DECALS, 4612 SCISSORS (PLATE 1 OF 3)

SIMON AERIALS INC.

REV. 05 DEC., 1996

PART
NO.

PLATE
NO. 99.77

PARTS LIST

ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
23	10-225800		DECAL, "PLATFORM/ OFF/ GROUND" (obsolete) (some earlier versions were labelled 10-122100)	1
24	10-259100		DECAL, "EMERGENCY LOWERING VALVES . . ."	
			(some earlier versions were labelled 47-100321)	1
25			DECAL, RELAY (used inside ground control box as needed)	
	10-265600		"CHOKE RELAY"	1
	10-265700		"CONTROL RELAY"	1
	10-265800		"ENGINE HIGH SPEED RELAY"	1
	10-232400		"ENGINE RELAY"	1
	10-232500		"LOW OIL PRESSURE RELAY"	1
	10-265900		"MOTOR START RELAY"	1
	10-232900		"PREHEAT RELAY"	1
26	10-025000		DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ."	1
27	10-270700		PLACARD, PLATFORM CONTROL (For current versions. Earlier versions had information printed directly on box top)	1
28			DECAL, 20 POSITION TERMINAL BLOCK (inside box)	2
	10-265500		For electric powered versions except as listed below	
	10-279900		For engine powered versions except as listed below	
	10-279800		For electric powered versions with optional side by side outriggers, but without optional traversing deck	
	10-280000		For engine powered versions with optional side by side outriggers, but without optional traversing deck	
29			DECAL, 8 POSITION TERMINAL BLOCK (inside box)	2
	10-280100		For versions with optional side by side outriggers, and with optional traversing deck	
	10-280200		For versions with optional independent outriggers, with or without optional traversing deck	
30	10-231700		PLATE, ENGINE SWITCH "START/ CHOKE/ SPEED" (with fuel powered scissors only)	1
31	10-207700		DECAL, "GLOW PLUG" (With optional Diesel engine. Mounts over "Choke" toggle.)	1
32			DECAL, "OUTRIGGER, UP/ DOWN" (current version)	1
	10-270300		when one outrigger switch is fitted	
	10-270400		when two outrigger switches are fitted	
	10-270500		when four outrigger switches are fitted	
33	47-101270		DECAL, "OUTRIGGER, UP/ DOWN" (earlier version)	A.R.
34	10-270600		DECAL, "MACHINE IS NOT DRIVEABLE . . ." (current)	1
35	47-101266		DECAL, "5. IF OUTRIGGERS DROPPED . . ." (earlier)	1

TITLE

DECALS, 4612 SCISSORS (PLATE 2 OF 3)

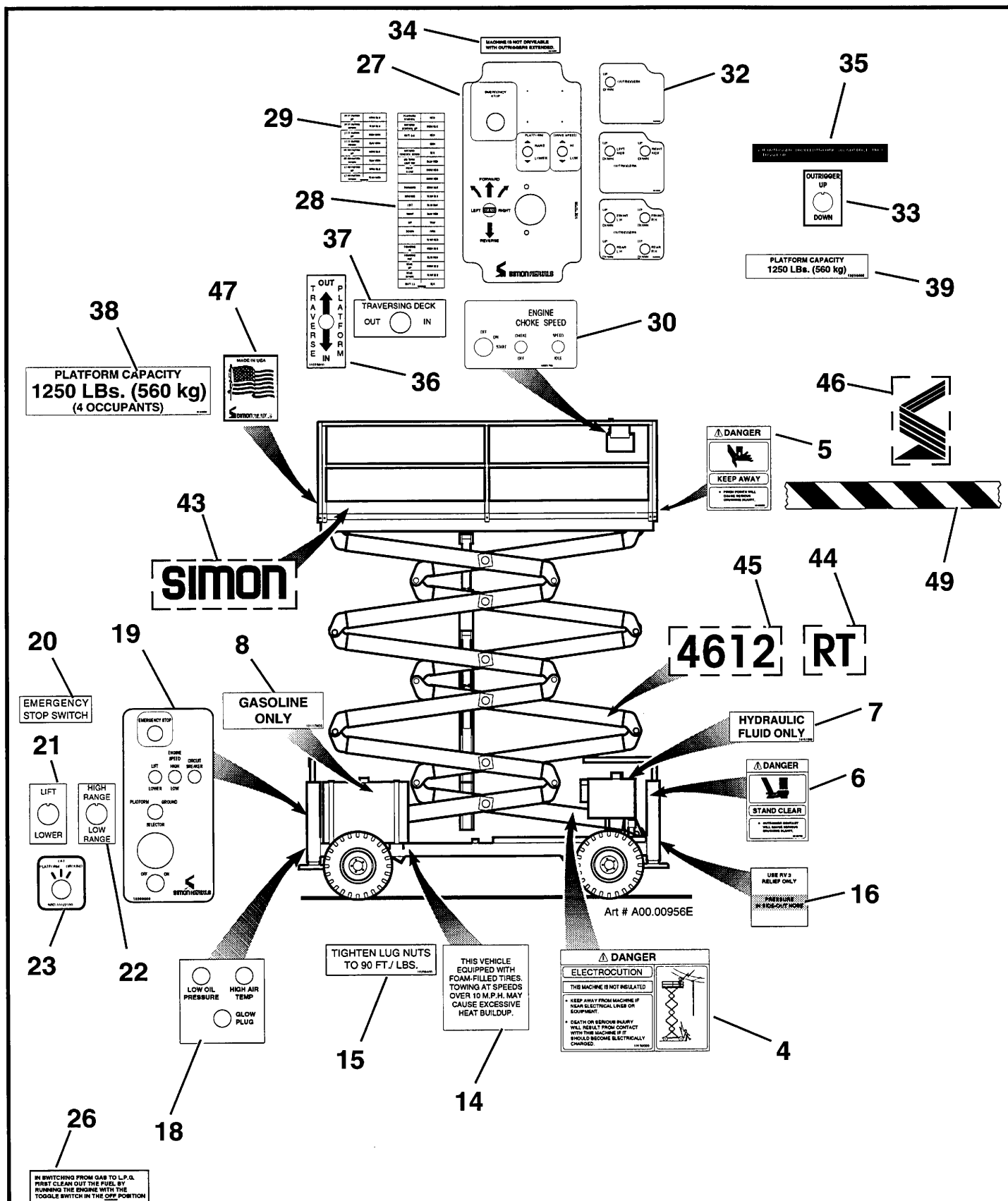
PLATE
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SIMON AERIALS INC.

REV. 05 DEC., 1996

PART
NO.



TITLE

DECALS, 4612 SCISSORS (PLATE 2 OF 3)

SIMON AERIALS INC.

REV. 05 DEC., 1996

PART
NO.

PLATE
NO. 99.77

PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
36	11-228900		DECAL, "TRAVERSE PLATFORM, IN/ OUT" (current)	1
37	11-201300		DECAL, "TRAVERSING DECK, IN/ OUT" (earlier version)	1
38			DECAL, PLATFORM CAPACITY (large)	1
	10-149200		"1250 LBs . . . 4 OCCUPANTS" (with standard deck)	
	10-150000		"1000 LBs . . . 4 OCCUPANTS" (with rollout or traversing deck)	
39			DECAL, PLATFORM CAPACITY (small)	1
	10-230400		"1250 LBs (560 kg)" (with standard deck)	
	10-148900		"1000 LBs (450 kg)" (with rollout or traversing deck)	
40	10-143000		DECAL, "Platform extension capacity 500 Lbs (225 kg)" (with optional rollout deck)	1
41	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1
42	10-272600		DECAL, "CAUTION" ("Safety belt lanyard . . .")	2
43	10-083000		DECAL, "SIMON" NAME (4" [102 mm] high, Black)	3
44			DECAL, MODEL (for "RT" versions only)	2
	10-278600		Reads "4612RT" (Current version)	
	10-269300		Reads "RT" (Earlier version. Used with 10-139900, below.)	
45	10-139900		DECAL, MODEL "4612"	2
46	10-131900		DECAL, SIMON "S" LOGO (Orange/ Gray, 9" [229 mm] wide x 13-1/2" [344 mm])	1
47	10-121600		DECAL, "MADE IN U.S.A."	1
48			DECAL, STRIPING ([4] stripes, 3-3/4" [95 mm] wide) (Bulk item, order as needed. 36 Ft [11 M] needed here.)	A.R.
	10-126800		Orange stripes (standard)	
	10-213000		Cream stripes (used with some optional color schemes)	
49	10-069900		TAPE, SAFETY STRIPE (Yellow/ Black diagonal stripe) (2" [51 mm] wide x 36 Yd [33 M] long roll)	A.R.
TITLE DECALS, 4612 SCISSORS (PLATE 3 OF 3)				
PLATE NO. 99.77		SIMON AERIALS INC.		PART NO.
REV. 05 DEC., 1996				

PART
NO.

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TITLE

DECALS, SAMSUNG (SPECIAL)

PART
NO.

REV.

DATED
30 JUL., 1996

SECTION

99.

PLATE NO.

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