

# CONSTRUCTOR MODEL AT45

**ILLUSTRATED PARTS CATALOG FOR MACHINE SERIAL NUMBER** 

Part No. 89-445005 • Revision "0.4" dated Feb. 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 AT-45 CONSTRUCTOR SELF-PROPELLED AERIAL WORK PLATFORMS. All parts represented here are manufactured and supplied in accordance with Simon Aerials quality standards. We recommend that you use GENUINE SIMON AERIALS PARTS to insure maximum SAFETY and PERFORMANCE.

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

#### **HOW TO USE THIS CATALOG**

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

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to AT-45 CONSTRUCTOR machines are included in this Catalog.

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

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

If a part number is followed by a plate number in the "SEE SECT." 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
- 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 <u>assemblies</u> may be able to be used interchangeably, FOR SAFETY'S SAKE, do not mix components or repair kits. Please confirm the make of the assembly on the unit before ordering or installing replacement parts.

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

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

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

UNDERCARRIAGE SECTION 1

TITLE

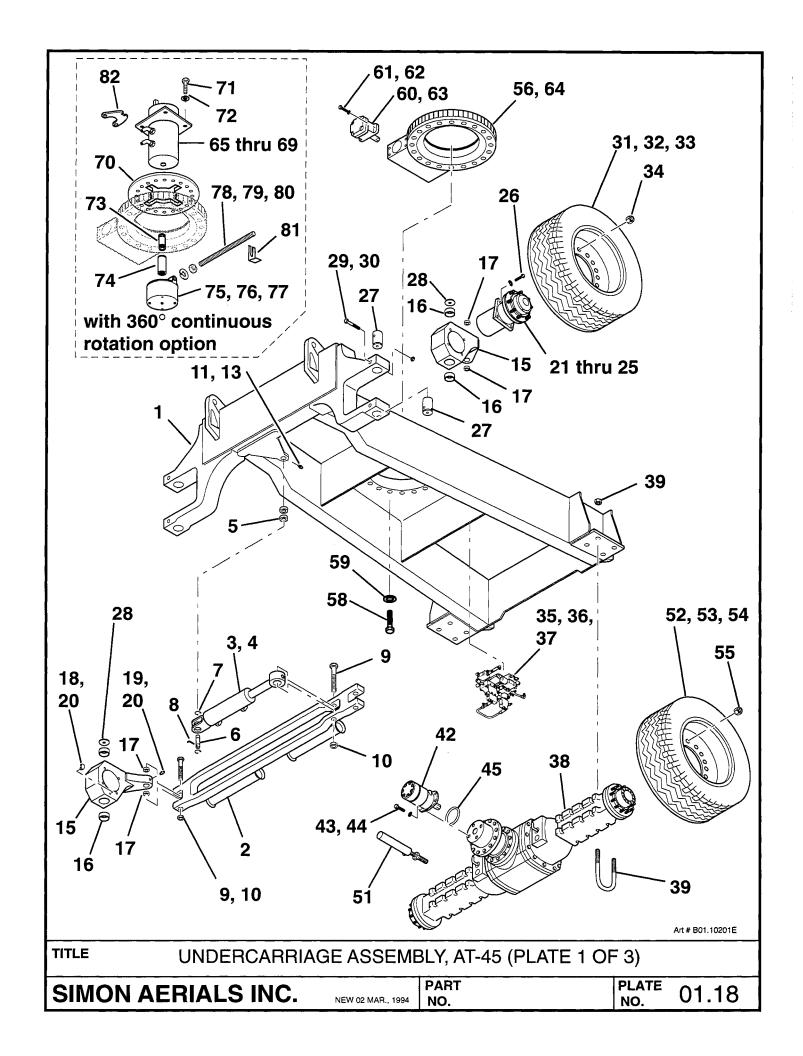
PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

NEW APR., 1994

PART NO. PLATE NO.

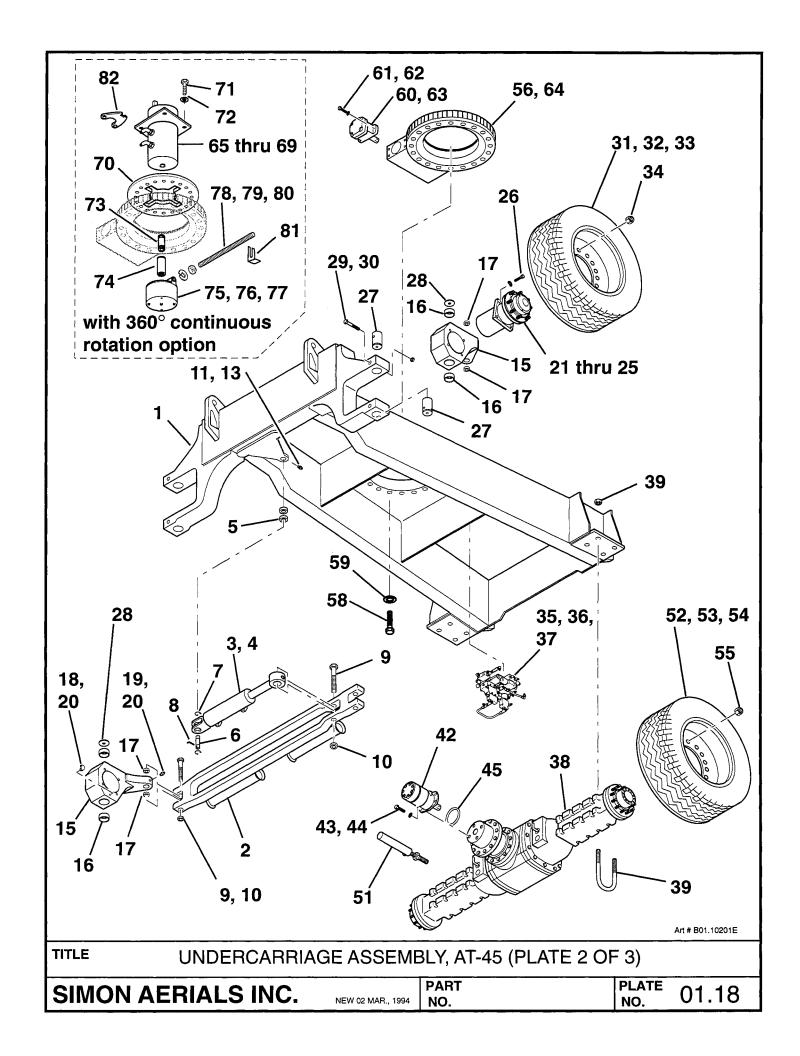
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
i			UNDERCARRIAGE ASSEMBLY		
	3533300	:	(units without 360° continuous rotation option)	1	
	3537420		(units <b>with</b> 360° continuous rotation option)	1	
4	0004400		HAIDEDOADDIAGE WELDMENT		
1 2	2324180 2300640		UNDERCARRIAGE WELDMENT ROD, TIE		
3	04-035200	11.22	CYLINDER, STEER	1 1	
4	06-039900	11.22	ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	2	
5	08-070400		BEARING, SLEEVE (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)	2	
6	2192580		PIN (1" x 3-9/32") (Steer cylinder, base end)	1	
7	08-040600		RING, RETAINING (External, 1")	2	
• • 8 •	2197360		PIN, "L" (for steer cylinder base end pin)	1	
9	07-094300		CAP SCREW, HEX HEAD (1"-8 x 6", Grade 5)	3	
10	07-090011		NUT, TOP LOCK (1"-8)	3	
11 12	08-050000 08-051300		FITTING, GREASE (1/8", Straight) FITTING, GREASE (1/8", 90°)	1	
13	08-066300		CAP, GREASE FITTING (White plastic)	2	
14	3535900		MOTOR HOUSING ASSEMBLY, FRONT (Right)	1	
	3535910		MOTOR HOUSING ASSEMBLY, FRONT (Left)	1	
15	2318840		MOTOR HOUSING, FRONT (Right)	1	
	2318850		MOTOR HOUSING, FRONT (Left)	1	
.16	2197350		BEARING, SLEEVE (modified 08-069500)		
			(Bronze, 2" I.D., 2-3/8" O.D., 1-1/2" long)	2	
17	08-069600		BEARING, SLEEVE		
18	08-051300		(Bronze, 1" I.D., 1-1/4" O.D., 3/4" long) FITTING, GREASE (1/8", 90°)	2 2	
19	08-050000		FITTING, GREASE (1/8", Straight)	1	
20	08-066300		CAP, GREASE FITTING (White plastic)	3	
21	01-227800	26.08	MOTOR, HYDRAULIC [4.5 in <sup>3</sup> (74 c.c.)] (incl. lug nuts)	1	
22	06-040300		ADAPTER, "O"-RING TO 37° (8-10 F50X-S)	1	
23	06-044800		90° ELBOW, STRAIGHT THREAD (8 C50X-S)	1	
24	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1	
25	06-090900		REDUCER/ EXPANDER (10-8 F50G5-S)	1	
26	07-099800		NUT, CROWN LOCK (1/2"-20)	4	
TITLE		NDERCA	ARRIAGE ASSEMBLY, AT-45 (PLATE 1 OF 3)		
PLATI NO.	<sup>E</sup> 01.18	SIMO	N AERIALS INC. NEW 02 MAR., 1994 PART NO.		



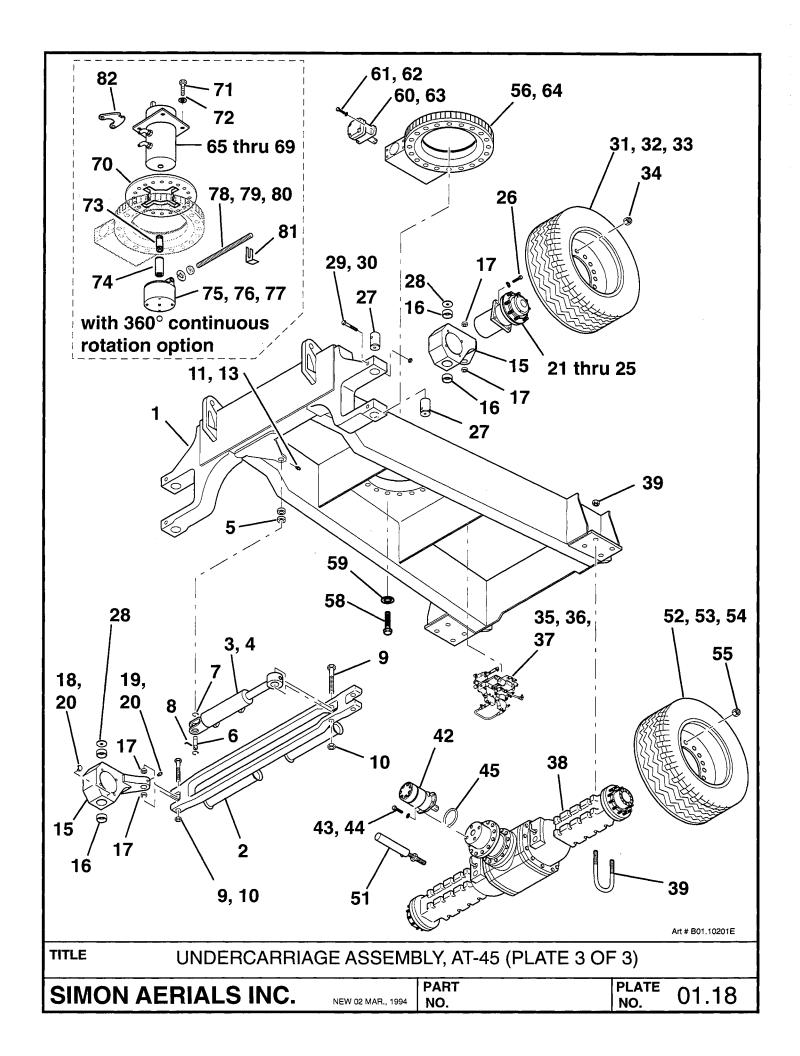
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
27	2192390	<u> </u>	PIN, KING (2" x 4-3/16")	4	
28	08-004200		BEARING, THRUST (2" I.D., 3-5/8" O.D., 3/16" thick)	2	
29	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4	
30	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4	
31			WHEEL AND TIRE ASSEMBLY (for steer and drive axle)		
-	3537140		Air filled	2	
	3537150		Liquid ballasted	2	
	3537160		Foam filled	2	
32	02-042800		WHEEL (Steer and drive axle) (16-1/2" x 9-3/4")	1	
33	02-021000		TIRE (15 x 38.5 - 16.5", tubeless)	1 1	
34 -35.	07-099800 3531840	23.09	NUT, CROWN LOCK (1/2"-20) VALVE ASSEMBLY, MOTION CONTROL	12	
36	07-050015	Z9.U5	NUT, LOCK (5/16"-18, Grade 5)	2	
37	07-030015		WASHER, FLAT (5/16")	4	
38	02-043400	19.10	AXLE ASSEMBLY, REAR	1 1	
39	07-096800		"U"-BOLT KIT (7/8"-14)	4	
40	06-210800		MALE CONNECTOR, STRAIGHT THREAD		
			(#4, M10-1.25mm, 7/16"-20) (for brake port)	2	
41	06-051300		90° ELBOW, SWIVEL NUT (4 C6X-S)	2	
42	01-217000	26.09	MOTOR, HYDRAULIC [13.6 in <sup>3</sup> (223 c.c.)]	1	
43	07-012100		CAP SCREW, HEX HEAD (M 12 x 40 mm)		
	am agrara		(hydraulic motor mounting to axle) (comes with axle)	4	
44	07-061018		WASHER, FLAT (1/2" SAE, hardened)		
45	01-219800		(hydraulic motor mounting to axle) (comes with axle) "O"-RING (3-1/4" I.D.)	4	
46	07-096300		CAP SCREW, HEX HEAD (5/8"-18 x 1-1/4", Grade 5)		
47	10-159000		SHIM (5/8" I.D., 1" O.D., .093" thick)		
"	10 100000		WASHER (comes with axle)	1	
48	06-041000		ADAPTER, "O"-RING TO 37° (12-10 F50X-S)	1	
49	06-045500		90° ELBOW, STRAIGHT THREAD (12-10 C50X-S)		
			(comes with axle)	1	
50	06-097400		ADAPTER, 90° BENT STEM (4 IT3-12-12) (comes with axle)	1	
51	04-037700	19.11	CYLINDER, AXLE DISCONNECT	1	
52			WHEEL AND TIRE ASSEMBLY (for drive axle)		
	3536270		Air filled	2	
	3532660		Liquid ballasted Foam filled	2	
53	3532670 02-040300		WHEEL (Drive axle) (16-1/2" x 9-3/4")	-	
	02 040000		[has 8.735" (222 mm) center hole]	1 1	
54	02-021000		TIRE (15 x 38.5 - 16.5", tubeless)	i	
55	07-095700		NUT, HEX (Self-locking, M18-1.5)	12	
	and the second				
TITLE	U	NDERCA	ARRIAGE ASSEMBLY, AT-45 (PLATE 2 OF 3)		
PLAT	E 01.18	SIMO	N AERIALS INC. NEW 02 MAR., 1994 NO		
NO.	01.10	SHIVIO	NEW 02 MAR., 1994 NO.		

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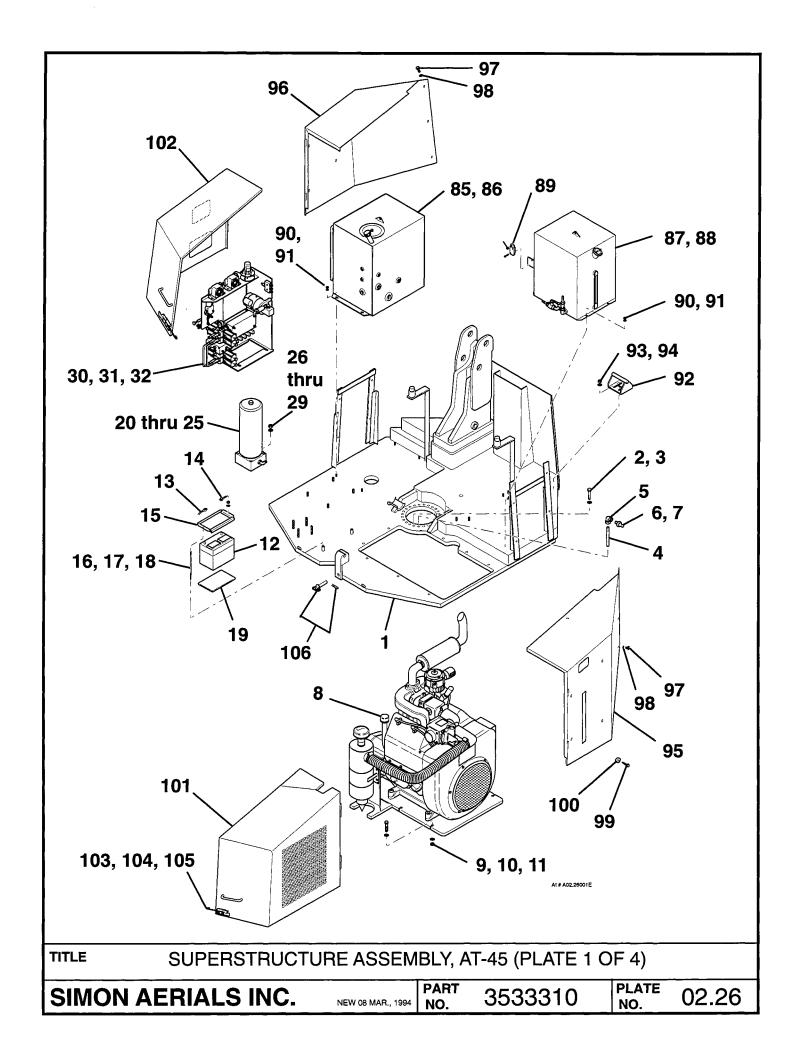


SWING BEARING   LUBRICANT, OPEN GEAR (Caulk tube)   (for use on swing gear teeth)   A	PARTS LIST					
SWING BEARING   LUBRICANT, OPEN GEAR (Caulk tube)   (for use on swing gear teeth)   A	ITEM	PART NO	1	DESCRIPTION	QTY.	
(for use on swing gear teeth)  A 07-004135	56	08-069000	28.06	SWING BEARING	1	
CAP SCREW, HEX HEAD (5/8*-11/x 3-1/2", Grade 8)   (for units with 360" continuous rotation option)   (For	57	10-126400		,		
(tor units with 360° continuous rotation option) (for units with 360° continuous rotation option)  CAP SCREW, HEX HEAD (5/8°-11 x 4°, Grade 8) (for units with 360° continuous rotation option)  WASHER, FLAT (5/8° SAE)  0 01-210200					A.R.	
(for units with 360° continuous rotation option)  O7-004137  CAP SCREW, HEX HEAD (5/8°-11 x 4", Grade 8) (for units with 360° continuous rotation option)  WASHER, FLAT (5/8° SAE)  MOTOR, HYDRAULIC [10 in² (164 c.c.)] CAP SOREW, HEX HEAD (1/2°-13 x 1-1/2°, Grade 5) WASHER, HELICAL LOCK (1/2°) ADAPTER, "O"-RING TO 37° (6-10 FSOX-S) NIPPLE, PIPE (1/8° x 5-1/2°, for swing bearing lubrication)  MADAPTER, "O"-RING TO 37° (6-10 FSOX-S) WIVEL, HYDRAULIC (with 360° continuous rotation option)  ADAPTER, "O"-RING TO 37° (6-6 FSOX-S)  BO" GELBOW, STRAIGHT THREAD (1/2°-13 x 4-1/2°, Grade 5)  WASHER, HELICAL LOCK (1/2°) ADAPTER, "O"-RING TO 37° (6-6 FSOX-S)  BO" ELBOW, STRAIGHT THREAD (6-8 CSOX-S)  PLATE, HYDRAULIC SWIVEL MOUNTING CAP SCREW, HEX HEAD (1/2°-13 x 4-1/2°, Grade 5)  WASHER, HELICAL LOCK (1/2°)  WASHER, HELICAL LOCK (1/2°)  ADAPTER, "O"-RING TO 37° (6-8 FSOX-S)  BO" ELBOW, STRAIGHT THREAD (6-8 CSOX-S)  PLATE, HYDRAULIC SWIVEL MOUNTING CAP SCREW, HEX HEAD (1/2°-13 x 4-1/2°, Grade 5)  WASHER, HELICAL LOCK (1/2°)  WASHER, HELICAL LOCK (1/2°)  WASHER, HELICAL LOCK (1/2°)  WASHER, HELICAL LOCK (1/2°)  REDUCER, ELECTRICAL CONDUIT (3/4° to 1/2°)  GRIP, CORD (1/2°)  REDUCER, ELECTRICAL CONDUIT (3/4° to 1/2°)  GRIP, CORD (1/2°)  REDUCER, ELECTRICAL CONDUIT (3/4° to 1/2°)  GRIP, CORD (1/2°)  WASHER, FLAT (1/2°)  UNDERCARRIAGE (AT-45)  (for units with 360° continuous rotation option)  (for units without 360° continuous rotation option)  (for units with 360° continuous rotation option)  TITLE  UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF	58	07-004135				
O7-004137					20 16	
(for units with 360° continuous rotation option)  (for units with 360° continuous rotation optio		07-00/137			10	
59		07-004107			4	
CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	59	07-061021		· · · · · · · · · · · · · · · · · · ·	20	
62   02-065018   WASHER, HELICAL LOCK (1/2")			26.07		1	
ADAPTER, "O"-RING TO 37° (6-10 F50X-S)   NIPPLE, PIPE (1/8" x 5-1/2", for swing bearing lubrication)   SWIVEL, HYDRAULIC (with 360° continuous rotation option)   ADAPTER, "O"-RING TO 37° (12-16 F50X-S)   ADAPTER, "O"-RING TO 37° (12-16 F50X-S)   90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)   ADAPTER, "O"-RING TO 37° (6-8 F50X-S)   ADAPTER, HYDRAULIC SWIVEL MOUNTING CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)   CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)   CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)   ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL   ADAPTER, ELECTRICAL CONDUIT (3/4" to 1/2")   GRIP, CORD (1/2"-13 x 7-9/16")   ROD. THREADED (1/2"-13 x 7-9/16")   NUT, HEX (1/2"-13, Grade 5)   WASHER, FLAT (1/2")   EDOPO (1/2"-13 x 7-9/16")   NUT, HEX (1/2"-13, Grade 5)   WASHER, FLAT (1/2")   EDOPO (1/2"-13 x 7-9/16")   CAP SCREW, HOSE KIT, UNDERCARRIAGE (AT-45)   (for units without 360° continuous rotation option)   (for units with 360° continuous rotation option)   (for units without 360° continuous rotation option)   (for units with 360° continuous rotation option)   (for units with 360° continuous rotation option)   (for units with 360° continuous rotation option)	61	07-003087 *		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2	
NIPPLE, PIPE (1/8" x 5-1/2", for swing bearing lubrication)	62	.07-065018			2	
65    04-008700   16.02   SWIVEL, HYDRAULIC (with 360° continuous rotation option)   66    06-041100   ADAPTER. "0"-RING TO 37° (12-16 F50X-S)   90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)   ADAPTER. "0"-RING TO 37° (6-8 F50X-S)   90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)   90° ELBOW				· · · · · · · · · · · · · · · · · · ·	2	
ADAPTER				,	1	
67    06-045600			16.02		1 2	
ADAPTER, "O"-RING TO 37" (6-8 F50X-S)					2	
69					5	
To					3	
72				· · · · · · · · · · · · · · · · · · ·	1	
11-020010	71	07-003098		CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 5)	4	
74   2067559   ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL     75   03-037300   SWIVEL ASSEMBLY, ELECTRICAL (12 Volt DC, 15 Amp)     76   03-045000   REDUCER, ELECTRICAL CONDUIT (3/4" to 1/2")     77   03-045500   GRIP, CORD (1/2")     78   11-007006   ROD, THREADED (1/2"-13 x 7-9/16")     79   07-040018   NUT, HEX (1/2"-13, Grade 5)     80   07-062018   WASHER, FLAT (1/2")     81   2070746   LOCK, ELECTRICAL SWIVEL     82   2311610   PLATE, SWIVEL LOCK     83   Barrier   Hospital State     84   10-113000   PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)     85   03-085200   CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)     84   10-113000   PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)     85   03-085200   CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)     86   03-064700   GRIP, CABLE (14-1/2" (368 mm) long)     87   03-066400   TIE, CABLE (14-1/2" (368 mm) long)     88   03-439000   TIE, CABLE [3-5/8" (92 mm) long) (if required)     TITLE   UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)     PLATE   O1   1.9   SIMON AEDIAL SINC	72	07-065018			4	
SWIVEL ASSEMBLY, ELECTRICAL (12 Volt DC, 15 Amp)   REDUCER, ELECTRICAL CONDUIT (3/4" to 1/2")   GRIP, CORD (1/2")   GRIP, CORD (1/2")   ROD, THREADED (1/2"-13 x 7-9/16")   NUT, HEX (1/2"-13, Grade 5)   WASHER, FLAT (1/2")   LOCK, ELECTRICAL SWIVEL   PLATE, SWIVEL LOCK   HOSE KIT, UNDERCARRIAGE (AT-45)   (for units without 360° continuous rotation option)   (for units with 360° continuous rotation option)   PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)   CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)   [Bulk item, order as needed]   20 Ft (6.1 M) required without continuous rotation option.   30 Ft (9.1 M) required with continuous rotation option.   Alexandra					1	
REDUCER, ELECTRICAL CONDUIT (3/4" to 1/2")   O3-045500					1	
Trick   Tric		· ·		,	1	
Title   Color   Threaded   Thre				·	1 1	
NUT, HEX (1/2"-13, Grade 5)   WASHER, FLAT (1/2")						
WASHER, FLAT (1/2")   81   2070746   LOCK, ELECTRICAL SWIVEL     82   2311610   PLATE, SWIVEL LOCK     83   HOSE KIT, UNDERCARRIAGE (AT-45)     3536720   (for units without 360° continuous rotation option)     3537430   (for units with 360° continuous rotation option)     84   10-113000   PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)     85   03-085200   CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)     Bulk item, order as needed     20 Ft (6.1 M) required without continuous rotation option.     30 Ft (9.1 M) required with continuous rotation option.     86   03-064700   TIE, CABLE [14-1/2" (368 mm) long     87   03-066400   TIE, CABLE [20" (508 mm) long     88   03-439000   TIE, CABLE [3-5/8" (92 mm) long ] (if required)     TITLE					2	
PLATE, SWIVEL LOCK					1	
HOSE KIT, UNDERCARRIAGE (AT-45)  (for units without 360° continuous rotation option) (for units with 360° continuous rotation option) (for units with 360° continuous rotation option)  PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)  CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) [Bulk item, order as needed] 20 Ft (6.1 M) required without continuous rotation option.  30 Ft (9.1 M) required with continuous rotation option.  TIE, CABLE [14-1/2" (368 mm) long] TIE, CABLE [20" (508 mm) long] TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE  UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE O1 19 SIMON AEDIALS INC	81	2070746		LOCK, ELECTRICAL SWIVEL	1	
3536720   (for units without 360° continuous rotation option)   (for units with 360° continuous rotation option)   (for units with 360° continuous rotation option)   PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)   CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)   [Bulk item, order as needed]   20 Ft (6.1 M) required without continuous rotation option.   30 Ft (9.1 M) required with continuous rotation option.   30 Ft (9.1 M) required with continuous rotation option.   A. TIE, CABLE [14-1/2" (368 mm) long]   TIE, CABLE [20" (508 mm) long]   TIE, CABLE [3-5/8" (92 mm) long]   (if required)   TITLE   UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)   PART		2311610		•	1	
(for units with 360° continuous rotation option) PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)  O3-085200  CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG) [Bulk item, order as needed] 20 Ft (6.1 M) required without continuous rotation option.  30 Ft (9.1 M) required with continuous rotation option.  TIE, CABLE [14-1/2" (368 mm) long] TIE, CABLE [20" (508 mm) long] TIE, CABLE [20" (508 mm) long] TIE, CABLE [3-5/8" (92 mm) long] (if required)  UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE O1 18 CIMON AEDIALS INC	83					
PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)  CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)  [Bulk item, order as needed]  20 Ft (6.1 M) required without continuous rotation option.  30 Ft (9.1 M) required with continuous rotation option.  TIE, CABLE [14-1/2" (368 mm) long]  TIE, CABLE [20" (508 mm) long]  TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE  UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE  O1 18 SIMON AERIALS INC					]	
CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)  [Bulk item, order as needed] 20 Ft (6.1 M) required without continuous rotation option. 30 Ft (9.1 M) required with continuous rotation option. A. TIE, CABLE [14-1/2" (368 mm) long] TIE, CABLE [20" (508 mm) long] TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE  UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE O1 18 SIMON AERIALS INC	04				8	
[Bulk item, order as needed] 20 Ft (6.1 M) required without continuous rotation option. 30 Ft (9.1 M) required with continuous rotation option. A: 86 03-064700 TIE, CABLE [14-1/2" (368 mm) long] 87 03-066400 TIE, CABLE [20" (508 mm) long] 88 03-439000 TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE 01 18 SIMON AEDIALS INC					0	
20 Ft (6.1 M) required without continuous rotation option. 30 Ft (9.1 M) required with continuous rotation option. A: TIE, CABLE [14-1/2" (368 mm) long] TIE, CABLE [20" (508 mm) long] TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE 01 18 SIMON AEDIALS INC	03	03-003200		· · · · · · · · · · · · · · · · · · ·		
30 Ft (9.1 M) required with continuous rotation option. A: 03-064700   TIE, CABLE [14-1/2" (368 mm) long]   TIE, CABLE [20" (508 mm) long]   TIE, CABLE [3-5/8" (92 mm) long] (if required)  TITLE UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE 01 19   SIMON AEDIAL SINC   PART				_ · · · · · · · · · · · · · · · · · · ·		
86       03-064700       TIE, CABLE [14-1/2" (368 mm) long]       36         87       03-066400       TIE, CABLE [20" (508 mm) long]       37         88       03-439000       TIE, CABLE [3-5/8" (92 mm) long] (if required)         TITLE       UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)         PLATE       O1 18       SIMON AEDIALS INC					A.R.	
TIE, CABLE [3-5/8" (92 mm) long] (if required)    TITLE	86				24	
TITLE UNDERCARRIAGE ASSEMBLY, AT-45 (PLATE 3 OF 3)  PLATE 01 18 SIMON AEDIALS INC.  PART					9	
PLATE O1 18 SIMON AFRIALS INC			NDEBC/		4	
		<u> </u>	NUENUF	· · · · · · · · · · · · · · · · · · ·		
NO. UI. TO SINUN ACRIALS INC. NEW 02 MAR., 1994   NO.		<sup>E</sup> 01.18	SIMO	NI ALDIAI CINII		



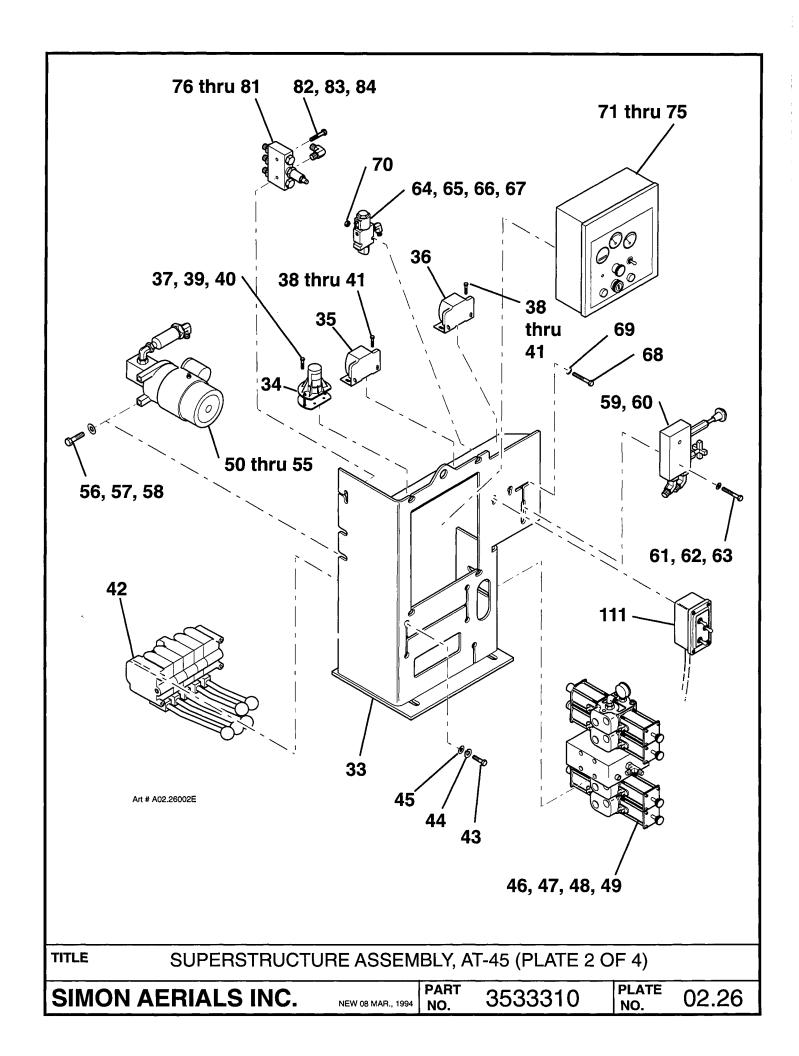
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	2322920		SUPERSTRUCTURE WELDMENT	1		
2	07-004138		CAP SCREW, HEX HEAD (5/8"-11 x 4-1/2", Grade 8)	23		
3	07-061021		WASHER, FLAT (5/8" SAE, hardened)	23		
4	11-085700		NIPPLE, PIPE [1/8" NPT x 5-1/2" (141 mm) long]	1		
5	06-084600		ELBOW, FEMALE PIPE THREAD (2 DD)	1		
6	08-050000		FITTING, GREASE (1/8" straight)	1		
7 8	08-066300	:	CAP, GREASE FITTING (White plastic) ENGINE ASSEMBLY ( <b>Gasoline</b> )	1		
l °	3533360		Wisconsin W41770, Air cooled, 35 HP (26.1 Kw)	1		
	3536520		Ford VSG-413, Liquid cooled, 42 HP (31.3 Kw)	-		
	300302		ENGINE ASSEMBLY (Dual Fuel)			
	3536850		Wisconsin W41770, Air cooled, 35 HP (26.1 Kw) (shown)	- 1		
	3536870		Ford VSG-413, Liquid cooled, 42 HP (31.3 Kw)	1		
<b>!</b>			ENGINE ASSEMBLY ( <b>Diesel</b> )			
	3537450		Deutz F3L1011, Air cooled, 42 HP (31.3 Kw)	1		
9	07-004133		CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)			
40	97.064.004		[(7) required with Wisconsin engine, (8) all others]	A.R.		
10	07-061021		WASHER, FLAT (5/8", hardened) [(14) for Wisconsin engine, (16) all others]	A.R.		
1 11	07-050021		NUT, STOP (5/8"-11) [(7) for Wisconsin engine, (8) all others]			
12	03-010001	ı	BATTERY (700 Amp)	1		
13	03-707100		CABLE, BATTERY [Red, 98" (2.5 M) long]	1		
14	03-070100		CABLE, BATTERY [Black, 12" (305 mm) long]	1		
15	03-064300		HOLD DOWN, BATTERY	1		
16	2018274		ROD, THREADED	2		
17	07-060016		WASHER, FLAT (3/8" SAE)	4		
18 19	07-040016		NUT, HEX (3/8"-16, Grade 5)	6		
20	10-112900 01-014000		PROTECTOR, BATTERY (1/8" x 7" x 11", neoprene) FILTER, HYDRAULIC (High pressure)			
21	01-014001		ELEMENT, FILTER (10 micron)			
22	01-014002		SEAL KIT, HIGH PRESSURE FILTER	1		
23	06-092500		REDUCER/ EXPANDER (24-12 F50G5-S)	2		
24	06-045400		90° ELBOW, STRAIGHT THREAD (12 C50X-S)	1		
25	06-040800		CONNECTOR, STRAIGHT THREAD (12 F50X-S)	- 1		
26	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4		
27	07-062016		WASHER, FLAT (3/8")	4		
28 29	10-002600 10-086500		WASHER, FENDER (1/2" I.D., 2" O.D.) WASHER, RUBBER (1/2" I.D., 2" O.D.)	4 4		
30	07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4		
31	07-062016		WASHER, FLAT (3/8")	4		
TITLE	SU	PERSTF	RUCTURE ASSEMBLY, AT-45 (PLATE 1 OF 4)			
PLAT	E 02.26	SIMO	N AERIALS INC. NEW 08 MAR., 1994 NO. 353331	10		
NO.	VZ.ZU	J1171 O	NACRIALS INC. NEW 08 MAR., 1994 NO. 33333			

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	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
32	3535570		PANEL ASSEMBLY, GROUND CONTROL	1		
33	2320840		BRACKET, GROUND CONTROL	1		
34	03-038100		SENSOR, LEVEL (4.5°, 2 second delay)	1		
35	03-464600		ALARM, TILT (102 db, 12 - 48 Volt DC)	1		
36	03-472000	-	ALARM, MOVEMENT (97 dba, 12 Volt DC)	1		
37	07-003003		CAP-SCREW, HEX HEAD (1/4"-20 x 3/4", Grade 5)	2		
38 39	07-003004 07-050014		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5) NUT, HEX LOCK (1/4"-20, Grade 5)	6		
40	07-050014		WASHER, FLAT (1/4")	6		
41	07-111600		WASHER, EXTERNAL TOOTH LOCK (1/4")	2		
42	3536730	06.25	VALVE BANK ASSEMBLY, GROUND	-1		
43	07-003450		CAP SCREW, HEX HEAD (5/16"-24 x 3/4", Grade 5)	4		
44	07-065015		WASHER, LOCK (5/16")	4		
45	07-062015		WASHER, FLAT (5/16")	4		
46	3535580	23.10	MANIFOLD ASSEMBLY, HYDRAULIC	1		
47	07-003102		CAP SCREW, HEX HEAD (1/2"-13 x 6", Grade 5)	1		
48	07-062018		WASHER, FLAT (1/2")	4		
<b>49</b> 50	07-058400 01-224900	12.12	NUT, LOCK (1/2"-13, Grade 8) PUMP, EMERGENCY HYDRAULIC	4		
51	06-044600	12.12	90° ELBOW, STRAIGHT THREAD (6 C50X-S)	2		
52	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1 1		
53	06-040500		ADAPTER, "O"-RING TO 37° (10-8 F50X-S)	1		
54	01-226000		FILTER ASSEMBLY, HIGH PRESSURE (Screw-on)	1		
55	01-226001		ELEMENT, FILTER (10 micron)	1		
56	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	2		
57	07-062016	ĺ	WASHER, FLAT (3/8")	2		
58	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	2		
59 60	01-209800 06-047000		PUMP, EMERGENCY (Hand operated) 45° ELBOW, STRAIGHT THREAD (6 V50X-S)	2		
61	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2		
62	07-062015		WASHER, FLAT (5/16")	4		
63	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2		
64	01-093500		VALVE, SOLENOID (Dump valve)	1 1		
65	01-093501		COIL, SOLENOID VALVE	1		
66	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1		
67	06-047000		45° ELBOW, STRAIGHT THREAD (6 V50X-S)	1		
68	07-003010		CAP SCREW, HEX HEAD (1/4"-20 x 2-1/2", Grade 5)	2		
69 70	07-062014 07-050014		WASHER, FLAT (1/4")	8 2		
//	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)			
TITLE	SU	PERSTE	RUCTURE ASSEMBLY, AT-45 (PLATE 2 OF 4)			
	SUPERIOR ASSEMBLE, AT-45 (FLATE 2 OF 4)					

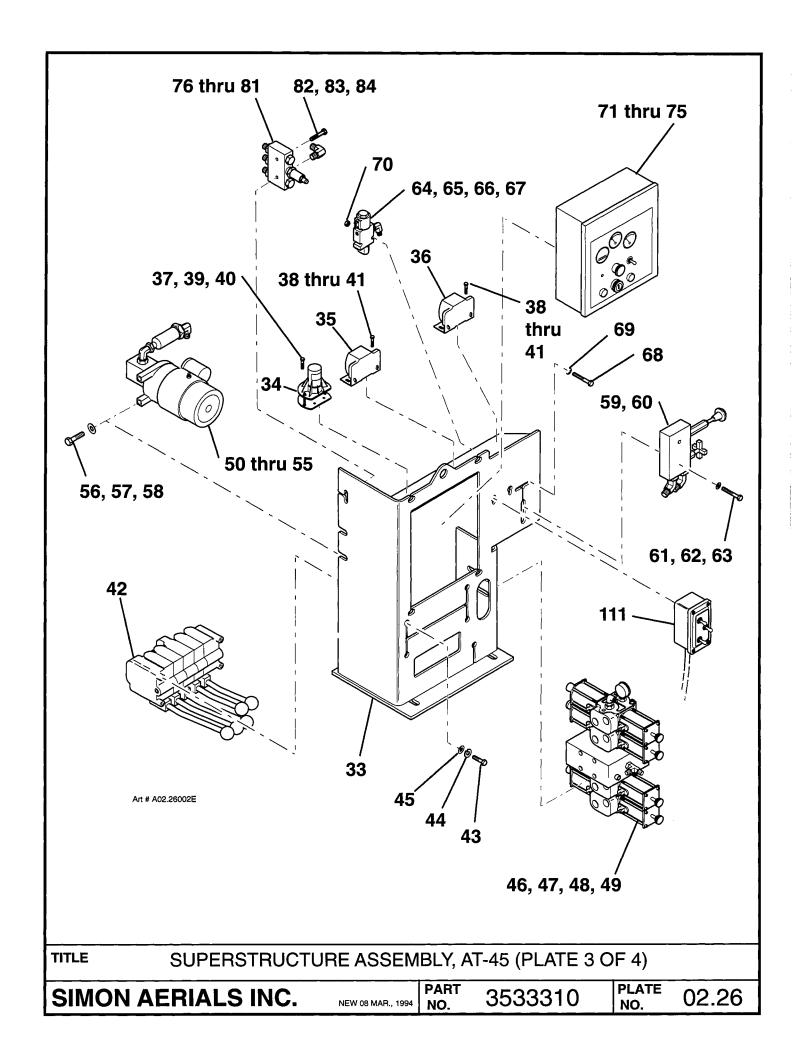
PLATE NO. SIMON AERIALS INC. PART 02.26 3533310 NEW 08 MAR., 1994



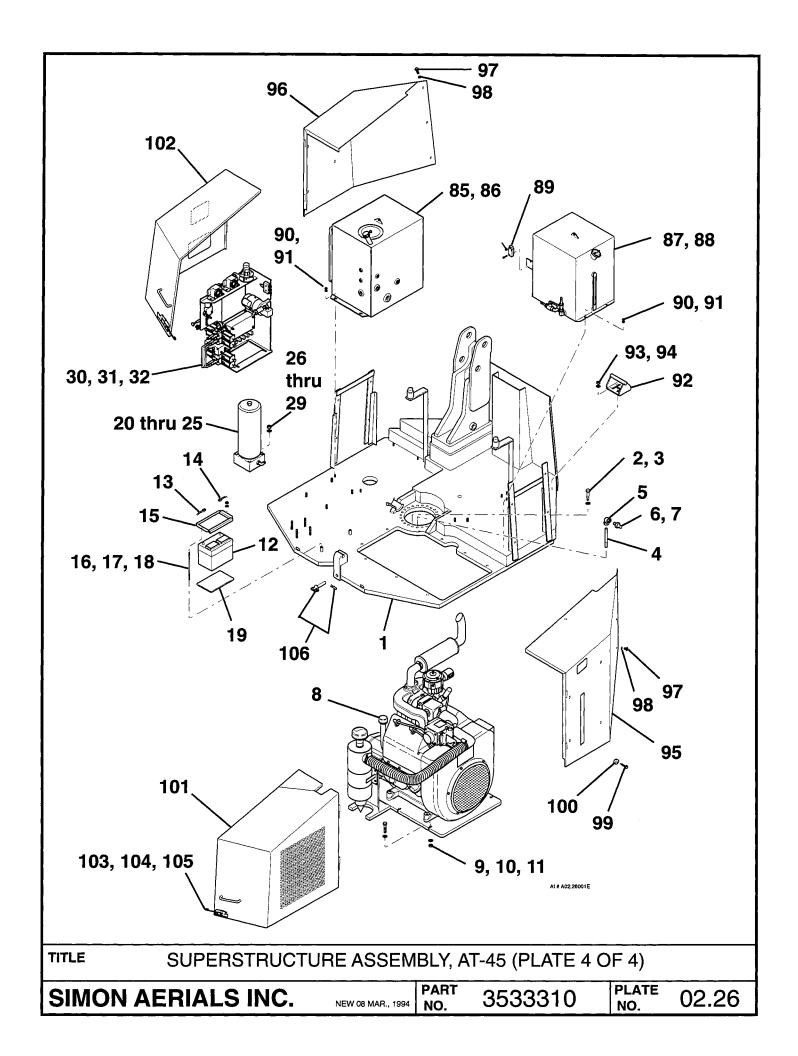
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
32	Reference		PANEL ASSEMBLY, GROUND CONTROL (continued)			
71	3537490	07.20	BOX ASSEMBLY, GROUND CONTROL	1		
72	07-003005		CAP SCREW, HEX HEAD (1/4"-20 x 1", Grade 5)	4		
73 74	07-062015 07-062014		WASHER, FLAT (5/16") WASHER, FLAT (1/4")	4		
75	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4 4		
76	01-215700		VALVE, MANIFOLD (Horsepower limiter)			
			(used on all machines except with Deutz F3L 1011 engine)	1 1		
77	01-086805		CARTRIDGE, HORSEPOWER LIMITER VALVE	1		
78	01-086812		SEAL KIT, VALVE CARTRIDGE	- 1		
79 00	06-044500		90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)	1		
80 81	06-191900 06-039300		ADAPTER, "O"-RING TO 37° (6-4 F50X-S) ADAPTER, "O"-RING TO 37° (4 F50X-S)	1 2		
82	07-003032		CAP SCREW, HEX HEAD (5/16"-18 x 2-3/4", Grade 5)	2		
83	07-062015		WASHER, FLAT (5/16")	4		
84	07-050015		NUT, HEX LOCK (5/16"-18, Grade 5)	2		
		:				
				. 1		
TIT! -		DEDA#-	DUOTUDE ACCEMBLY AT 45 (DLATE COS 4)			
SUPERSTRUCTURE ASSEMBLY, AT-45 (PLATE 3 OF 4)						
PLAT	E 02.26	SIMO	NAERIALS INC. NEW 08 MAR., 1994 NO. 353331	0		
NO.	02.20	<u> </u>	NALNIALS IIIV. NEW 08 MAR., 1994 NO. 33333			

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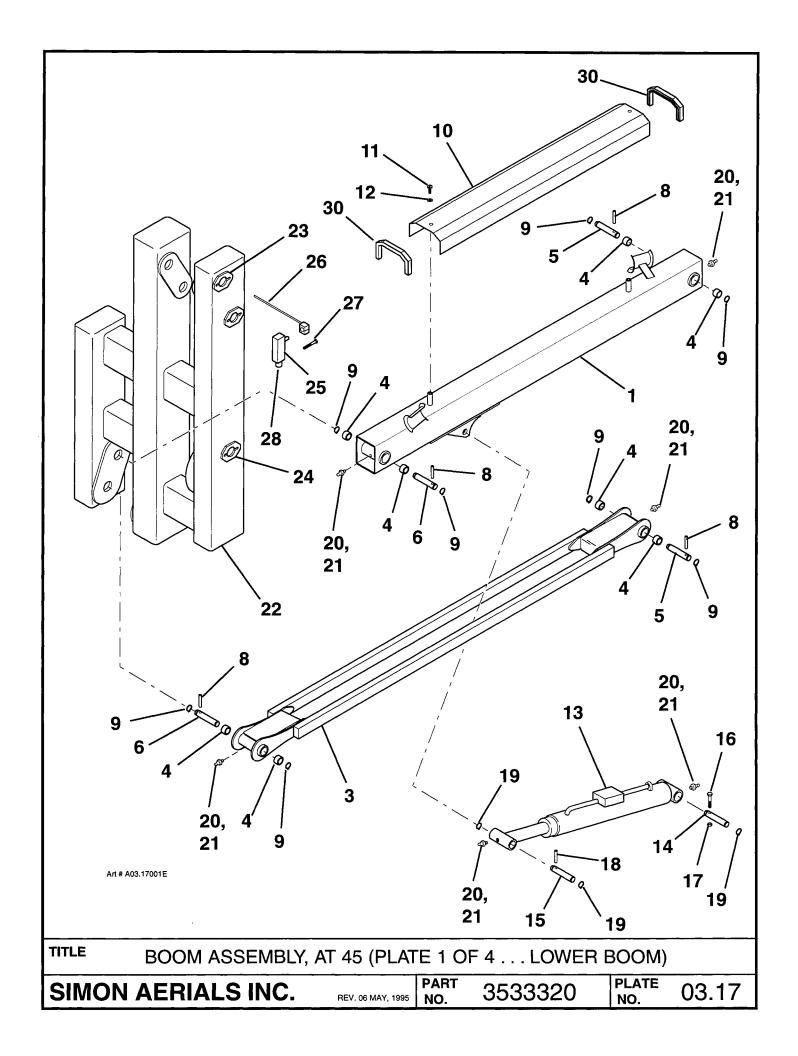
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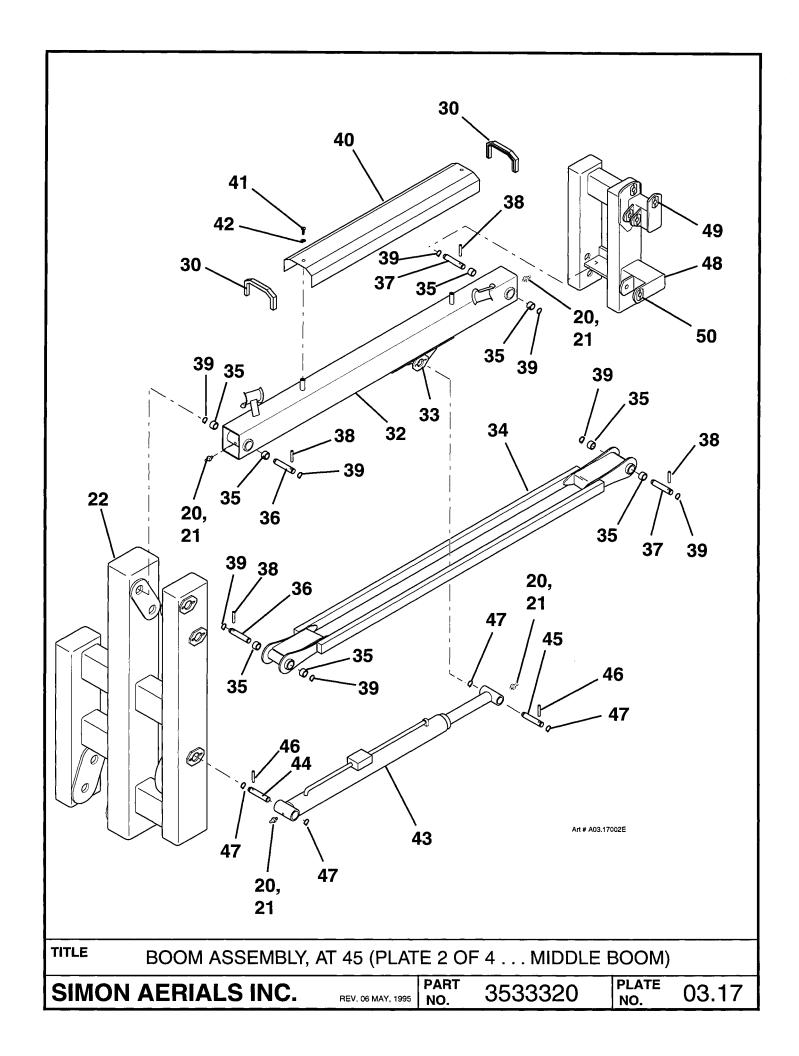
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
85	3536280	24.03	TANK ASSEMBLY, HYDRAULIC [40 Gal. (151 L) capacity]	1		
86	10-001800		CAP, HYDRAULIC TANK FILLER	1		
87	3536290	25.01	TANK ASSEMBLY, FUEL [35 Gal. (132 L) capacity]	1		
88	10-001900		CAP, FUEL (Vented)	1		
89	03-493700		SWITCH, LIMIT (Side rotary,			
00	07-050015		1 normally open, 1 normally closed contact) -	1		
90 91	07-062015		NUT, TOP LOCK (5/16"-18, Grade 5) WASHER, FLAT (5/16")	8 8		
92	07-002013		REST, UPPER BOOM POST	°		
32	2325170		6-1/16" (154 mm) high (earlier style)	1		
	2326830		3-3/16" (81 mm) high (for later versions)	- 5		
93	. 07-050016		NUT, TOP LOCK (3/8"-16, Grade 5)	4		
94	07-062016		WASHER, FLAT (3/8")	4		
95	2322740		COVER, FRONT (right)	1		
96	2321380		COVER, FRONT (left)	1		
97	07-096400		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Stn. Stl.)	14		
98	07-062016		WASHER, FLAT (3/8")	14		
99	10-138500		BUMPER, RECESSED (Rubber, 1" dia. x 1/2" high)	4		
100	07-029365		SCREW, HEX WASHER HEAD  (#12-14 x 1", self drilling, with rubber seal)	4		
101			DOOR ASSEMBLY (right)	1 <b>4</b>		
107	2322750		for all except Deutz F3L 1011 engine	1		
	2326820		for use with Deutz F3L 1011 engine	1		
102	2321400		DOOR ASSEMBLY (left)	1		
103	10-099400		LATCH, DRAW (with latching rod)	2		
104	07-097000		CAP SCREW, BUTTON HEAD (1/4"-20 x 3/4", Stn. Stl.)	4		
105	07-050014		NUT, STOP (1/4"-20, Grade 5)	4		
106			PIN, HITCH (3/4" x 4", includes cotter pin)	1 1		
107	3536750		HOSE KIT, AT-45 SUPERSTRUCTURE	1		
108	10-113000 03-066400		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")			
109 110	03-064700		TIE, CABLE [20" (508 mm) long] TIE, CABLE [14-1/2" (368 mm) long]	2 15		
111	See plate	07.21	PENDANT, REMOTE CONTROL (option)	10		
112	03-038800	07.61	LAMP, CONTROL PANEL (hooded) (option)	2		
113			BULB, PANEL LAMP (#68)	2		
114	2306730		BRACKET, PANEL LAMP (mounts to inside of sheet metal,			
			above electrical controls and valve bank)	2		
115	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", stn. stl.)	4		
116	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4		
TITLE OUDEDOTRUCTURE ACCEMBLY AT 45 (D) ATE 4 OF A						
TITLE SUPERSTRUCTURE ASSEMBLY, AT-45 (PLATE 4 OF 4)						
PLAT NO.	E 02.26	SIMO	NAERIALS INC. NEW 08 MAR., 1994 NO. 35333	10 ]		
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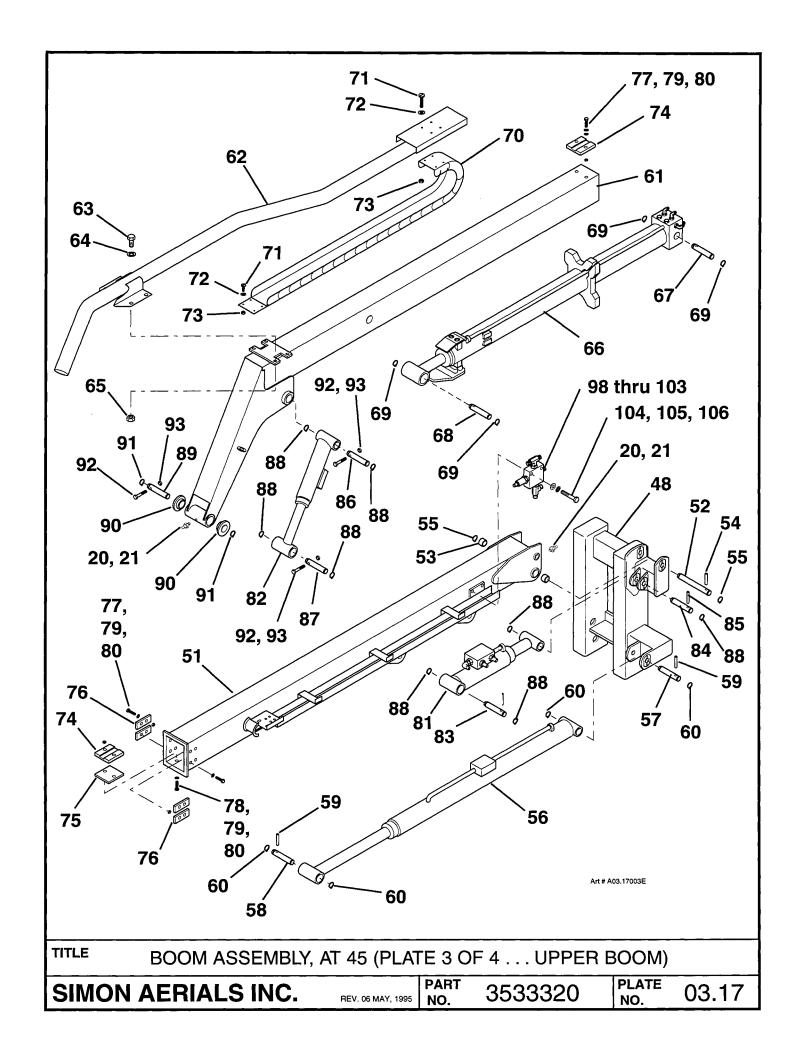
PARTS LIST						
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	218 5760		BOOM WELDMENT, LOWER	1		
			(includes bushings and pin lock collar)	1		
2	218 3980		COLLAR, PIN LOCK (1-1/4")	1		
3	353 6760		ARM ASS'Y., PARALLEL (incl. bushings and grease fittings	) 1		
4	08-076300		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8		
- 5			PIN, LOWER BOOM PIVOT (2" x 10") (Lower end)			
	218 7200		except Canada	2		
6	232 3590		CSA standards	2		
0	218 7180		PIN, LOWER BOOM PIVOT (2" x 18-1/4") (Upper end) except Canada	2		
	232 3570		CSA standards	2		
7	217 0310		COLLAR, PIN LOCK (2") (Not shown. On base post.)	2		
8	217 0300		PIN, KEEPER (3/8" Dia. x 3-5/8" long)	4		
9	08-041100		RING, RETAINING (2")	8		
10	218 8860		HOSE COVER, LOWER BOOM	1		
11	07-096400		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Stn Stl)	2		
12	07-060016		WASHER, FLAT (3/8" SAE)	2		
13	See plate	11.20	CYLINDER, LOWER BOOM LIFT	1		
14	040 0070		PIN, LIFT CYLINDER (1-1/4" x 8-7/8") (base end)			
	213 8970 232 3510		except Canada CSA standards			
15	232 35 10		PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)			
10	218 3990		except Canada	1		
	232 3560		CSA standards	1		
16	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	1		
17	07-050016		NUT, STOP (3/8"-16)	1		
18	216 9850		PIN, KEEPER (3/8" Dia. x 3" long)	1		
19	08-040700		RING, RETAINING (1-1/4")	3		
20	08-050000		FITTING, GREASE (1/8", Straight)	12		
	08-051300		FITTING, GREASE (1/8", 90°)	8		
21 22	08-066300		CAP, GREASE FITTING MID POST WELDMENT (includes pin lock collars)	10		
23	218 6030 217 0310	1	COLLAR, PIN LOCK (2")	4		
24	218 3980	<b>\</b>	COLLAR, PIN LOCK (1-1/4")	1		
25	03-489000		SWITCH, LIMIT (2 pole, rod operated)			
26	03-489001		ROD, LIMIT SWITCH (includes mounting block)	1		
27	07-008353		CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)	2		
28	03-045500		GRIP, CORD (1/2")	1		
29	218 8940		HARNESS, WIRE (Limit switch)	1		
30	10-096800		TRIM, DOOR EDGE (Bulk item, order as needed)			
24	10 112000		1/2" x 5/8", metal backed	A.R. 16		
31	10-113000		PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")	10		
TITLE	BOOM ASSEMBLY, AT 45 (PLATE 1 OF 4 LOWER BOOM)					
PLAT	E 03.17	SIMO	N AERIALS INC. REV. 06 MAY 1995 NO 3533	320		
NO.	00.17	Silvio	NACHIALS INC. REV. 06 MAY, 1995 NO. 3333	<u>520</u>		



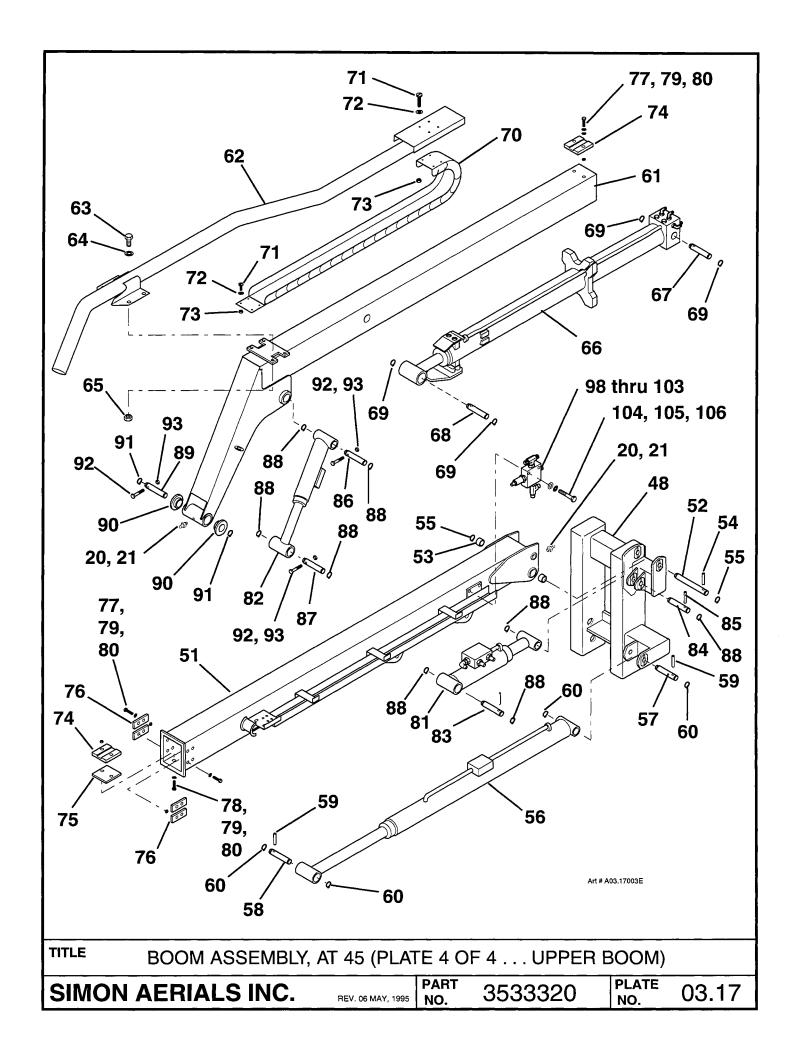
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
32	218 3700		BOOM WELDMENT, MIDDLE		
	040 0000		(includes bushings, grease fittings and pin lock collar)	1 1	
33 <b>3</b> 4	213 8900 352 8270		COLLAR, LOCK (1-1/4") ARM ASS'Y., PARALLEL (incl. bushings and grease fittings)	1	
35	08-076300		BUSHING, BRONZE (2" I.D. x 2-3/8" O.D. x 2")	8	
36			PIN, MIDDLE BOOM PIVOT (2" x 18-1/4") (Lower end)		
	218 7180		except Canada	2	
	232 3570		CSA standards	2	
37	010 010		PIN, MIDDLE BOOM PIVOT (2" x 15-1/4") (Upper end)		
	218 7210 232 3600		except Canada CSA standards	2	
38	217 0300		PIN, KEEPER (3/8" Dia. x 3-5/8" long)	2 4	
39	08-041100		RING, RETAINING (2")	8	
40	218 8860		HOSE COVER, MIDDLE BOOM	1	
41	07-096400		CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Stn Stl)	2	
42	07-060016		WASHER, FLAT (3/8" SAE)	2	
43 43a	See plate	11.20	CYLINDER, MIDDLE BOOM LIFT	1	
40a	233 2650		TUBE, LIFT CYLINDER STOP (Two halves. Not shown. Welded to middle boom lift cylinder rod on Model AT 45,		
			Serial No. CDA 00102 through 00116. Ref. C-2332640.)		
44			PIN, LIFT CYLINDER (1-1/4" x 10-11/16") (base end)		
	218 7230		except Canada	1	
	232 3610		CSA standards	1	
45	040 0000		PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)	-	
	218 3990 232 3560		except Canada CSA standards	1	
46	216 9850		PIN, KEEPER (3/8" Dia. x 3" long)	2	
47	08-040700		RING, RETAINING (1-1/4")	4	
48	218 6940		UPPER POST WELDMENT (includes pin lock collars)	1	
49	217 0310		COLLAR, PIN LOCK (2")	3	
50	218 3980		COLLAR, PIN LOCK (1-1/4")	2	
TITLE BOOM ASSEMBLY, AT 45 (PLATE 2 OF 4 MIDDLE BOOM)					
PLAT	E 03.17	SIMO	N AERIALS INC. REV. 06 MAY, 1995 NO 35333	20	
NO.	<del>5</del> 5.17		NALNIALS INC. REV. 06 MAY, 1995 NO. 33333	_~	



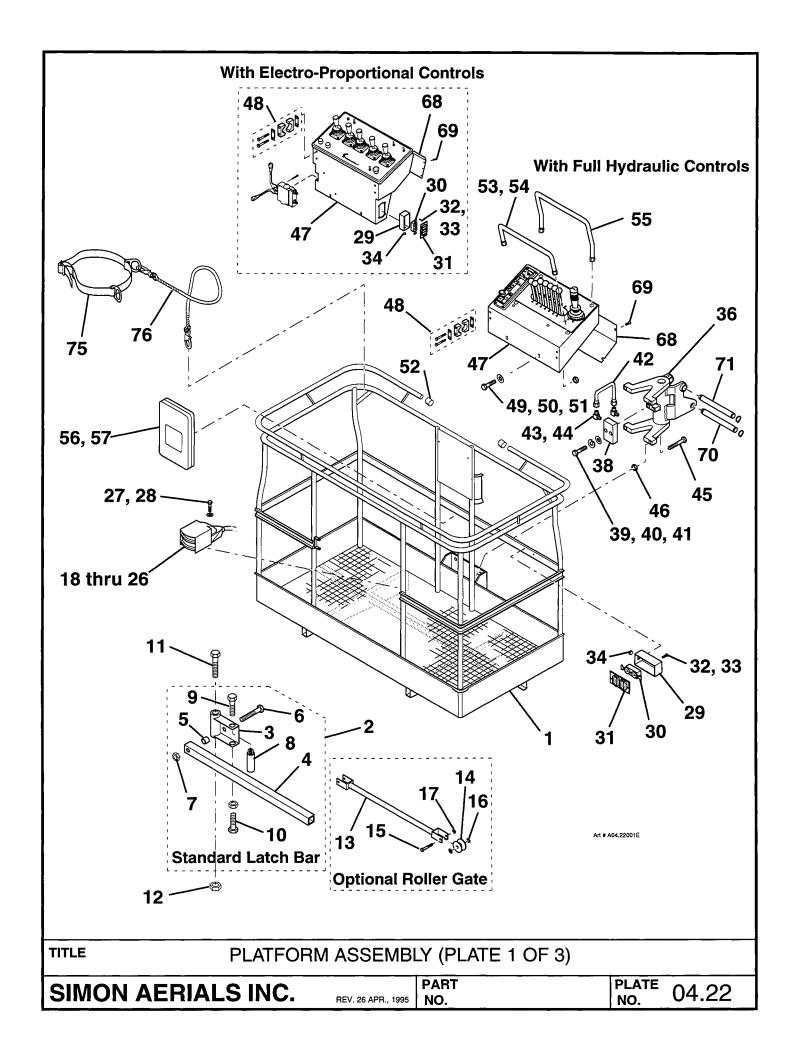
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
51	232 2370		BOOM WELDMENT, UPPER BASE	1		
52			PIN, UPPER BOOM PIVOT (2" x 11-1/4")			
	218 7190		except Canada	1		
	232 3580		CSA standards	1		
53	08-076300		BUSHING, BRONZE (2" I.D., 2-3/8" O.D., 2" long)	2		
<b>54</b> 55	217 0300 08-041100		PIN, KEEPER (3/8" Dia. x 3-5/8" long) RING, RETAINING (2")	2		
56	See plate	11.20	CYLINDER, UPPER BOOM LIFT	4		
57	ooo piato i i	1,120	PIN, LIFT CYLINDER (1-1/4" x 6-5/16") (base end)	'		
	218 7240		except Canada	1		
	232 3620		CSA standards	1		
58			PIN, LIFT CYLINDER (1-1/4" x 4-15/16") (rod end)			
	218 3990		except Canada	1		
59	232 3560 216 9850	:	CSA standards PIN, KEEPER (3/8" Dia. x 3" long)	2		
60	08-040700		RING, RETAINING (1-1/4")	4		
61	232 2500		BOOM WELDMENT, TIP	Ιi		
62	215 2060		ANCHOR WELDMENT, MOVING	1		
63	07-003088		CAP SCREW, HEX HEAD (1/2"-13 x 1-3/4", Grade 5)	4		
64	07-062018		WASHER, FLAT (1/2")	8		
65	07-058400	_	NUT, LOCK (1/2"-13, Grade 8)	4		
66	04-033000	11.21	CYLINDER, TELESCOPE  PIN TELESCOPE CYLINDER (1 1/4" x 0 3/9") (base and)	1		
67	213 8960		PIN, TELESCOPE CYLINDER (1-1/4" x 9-3/8") (base end) except Canada	1		
	232 3500		CSA standards	1		
68	202 0000		PIN, TELESCOPE CYLINDER (1-1/4" x 4-7/8") (rod end)			
	213 9020		except Canada	1		
	232 3540		CSA standards	1		
69	08-040700		RING, RETAINING (1-1/4")	4		
70	08-068800		CARRIER, HOSE (metal track, 19 link) CAP SCREW, BUTTON HEAD (3/8"-16 x 3/4", Grade 5)	8		
71 72	07-017043 07-062016		WASHER, FLAT (3/8")	8		
73	07-050016		NUT, STOP (3/8"-16)	8		
74	206 8677		PAD, UPPER AND LOWER WEAR (6" x 6-5/8")	2		
75	213 8250		SPACER, LOWER WEAR PAD	1		
76	207 0357		PAD, SIDE WEAR (2-1/2" x 4-1/2")	4		
77	07-003084		CAP SCREW, HEX HEAD (1/2"-13 x 7/8", Grade 5)	10		
78 79	07-003086 07-065018		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5) WASHER, LOCK (1/2")	12		
80	07-047018		NUT, JAM (1/2"-13)	12		
81	04-032600	11.06	CYLINDER, MASTER LEVELING (2.50" bore)	1		
82	04-032700	11.07	CYLINDER, SLAVE LEVELING (2.50" bore)	1		
	100					
TITLE	BOOM ASSEMBLY, AT 45 (PLATE 3 OF 4 UPPER BOOM)					
PLAT	E 02 17	CIMO	N AERIALS INC. REV. 06 MAY 1995 NO 35333	200		
NO.	<sup>6</sup> 03.17	SIIVIO	N AERIALS INC. REV. 06 MAY, 1995 NO. 35333	12U		



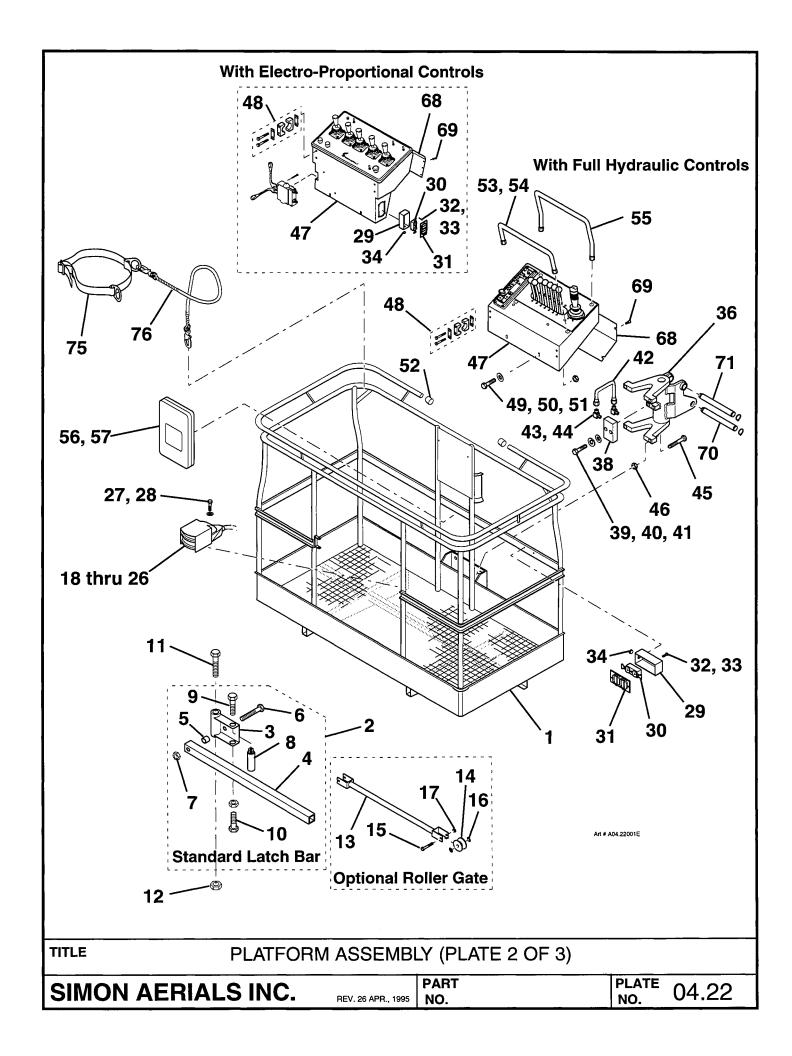
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
83			PIN, MASTER LEVEL CYLINDER (1-1/4" x 4-15/16")	<u> </u>	
	218 3990		(base end) except Canada	1	
	232 3560		(base end) CSA standards		
84			PIN, MASTER LEVEL CYLINDER (1-1/4" x 6-5/16") (rod end)		
	218 7240		except Canada	1	
	232 3670		CSA standards	1	
85	216 9850		PIN, KEEPER (3/8" Dia. x 3" long)	2	
86			PIN, SLAVE LEVEL CYLINDER (1-1/4" x 7-3/16") (base end)	1	
	213 8990		except Canada	1	
	232 3530		CSA standards	1	
87			PIN, SLAVE LEVEL CYLINDER (1-1/4" x 8") (rod end)		
	213 8980		except Canada	1	
	232 3520		CSA standards	1	
88	08-040700		RING, RETAINING (1-1/4")	8	
89			PIN, PLATFORM PIVOT (1-1/4" x 9-5/8")		
	213 8950		except Canada	1	
	232 3550		CSA standards	1	
90	08-002200		BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D., 1-1/2" long)	2	
91	08-040700		RING, RETAINING (1-1/4")	2	
92	07-003052		CAP SCREW, HEX HEAD (3/8"-16 x 2-3/4", Grade 5)	3	
93	07-050016		NUT, STOP (3/8"-16)	3 2	
94	06-036300		RUN TEE, BULKHEAD (4 WJJTX-WLN)		
95	10-108200		CLAMP (2 hole, #4)	1	
96 97	07-050014 07-062014		NUT, LOCK (1/4"-20, Grade 5) WASHER, FLAT (1/4")	1	
97 98	01-012800		VALVE, PRESSURE REDUCING (100-3000 PSI, 10 GPM)	'	
90	01-012800		(Valve is pre-set to and stamped "2300 PSI")	1	
99	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F50X-S) (Port "1")	1	
100			REDUCER/ EXPANDER (8-6 F50 G5-S) (Port "2")	-	
101	06-050000		BRANCH TEE, MALE "O"-RING (6 S50X-S) (Port "2")	4	
102	06-090300		REDUCER/ EXPANDER (6-4 F50 G5-S) (Port "3")	1	
103	06-048300		RUN TEE, STRAIGHT THREAD (4 R50X-S) (Port "3")	1	
104	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2	
105	07-065014		WASHER, HELICAL LOCK (1/4")	2	
106			WASHER, FLAT (1/4")	2	
107			TIE, CABLE (14-1/2" [368 mm] long)	66	
108			TIE, CABLE (20" [508 mm] long)	33	
109	03-085900		CABLE, ELECTRICAL (SJO, 3 conductor, #12 AWG)		
			(Bulk item, order as needed. 67 Ft [20.4 M] used here)	A.R.	
110	03-085000		CABLE, ELECTRICAL (SJO, 24 conductor, #16 AWG)		
			(Bulk item, order as needed. 67 Ft [20.4 M] used here)	A.R.	
111	353 6820		HOSE KIT, AT 45 BOOM	1	
BOOM ASSEMBLY, AT 45 (PLATE 4 OF 4 UPPER BOOM)					
PLAT	E 02 17	CINAC	M AEDIAL CINC PART 25222	20	
NO.	<sup>c</sup> 03.17		NAERIALS INC. REV. 06 MAY, 1995 NO. 35333	<b>4</b> U	



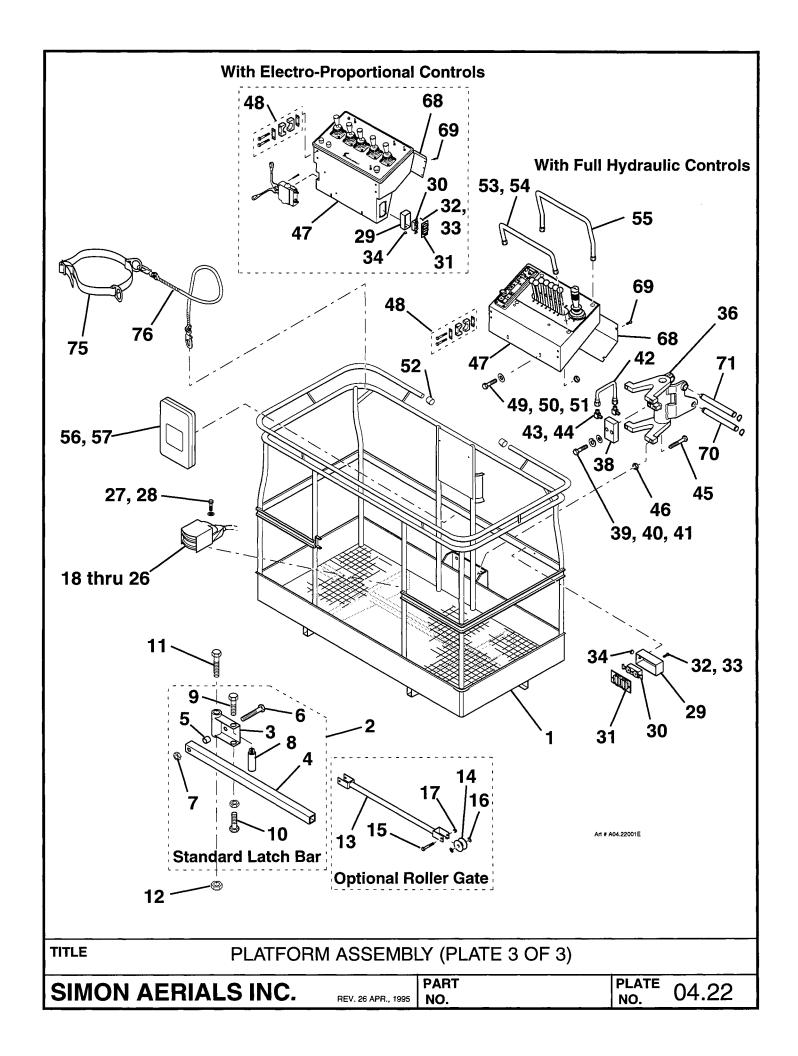
PARTS LIST						
ITEM	PART NO	SEE SECTION	DESC	RIPTION		QTY.
		- · · · · -	PLATFORM ASSEMBLY:			
			With <b>Full Hydraulic</b> cont	rol system:		
	353 3340		30" x 60" (.76 M x 1.52			]
			With Electro-Proportion		em:	
	354 0010		30" x 60" (.76 M x 1.52	M)		
1			PLATFORM WELDMENT			1
	000 5000		With Full Hydraulic cont			
	232 5630		30" x 60" (.76 M x 1.52	***************************************		
	000 1000		With Electro-Proportion		em:	
2	233 1060		30" x 60" (.76 M x 1.52		المارية المحادثات	-
2 3	351 4160 204 1724		BAR ASSEMBLY, LATCH PIVOT, DOOR	(Stariuaru Liit	and Swing Style)	1 1
4	207 6577		BAR, LATCH			1
5	204 1649		SPACER, LATCH BAR	PIVOT		
6	07-003047		CAP SCREW, HEX HE		1-1/2" Grade 5)	1
7	07-050016		NUT, HEX LOCK (3/8"-		inz, diade by	-
8	08-010100		SPRING AND TUBE AS			1
9	210 8380		SPACER			1
10	07-003043		CAP SCREW, HEX HE	AD (3/8"-16 x 3	3/4", Grade 5)	1
11	07-003096		CAP SCREW, HEX HEAD			1
12	07-058400		NUT, LOCK (1/2"-13, Grad			1
13	219 8520		BAR, GATE (optional pull u	ıp "Roller Gate	" style)	1
14	219 8510		ROLLER, PULL UP GATE			2
15	07-003053		CAP SCREW, HEX HEAD	(3/8"-16 x 3", (	Grade 5)	2
16	07-062016		WASHER, FLAT (7/16")			4
17	07-050016		NUT, HEX LOCK (3/8"-16,			2
18	03-021300		SWITCH ASSEMBLY, FOO		))	1
19	03-021301		SWITCH (Single pole, o			1
20	03-021302		COVER, SWITCH (Gua	``````````````````````````````````````	itch)	]
21	03-045000		BUSHING, REDUCER (3/4	•		1
22 23	03-063300 03-085700		GRIP, CORD (90°, 1/2", se CABLE, ELECTRICAL (SJ		#16 A\MG\	1
23	03-065700		[Bulk item, 6 Ft (1.8 M) re			A.R.
24	03-091200		TERMINAL, SPADE (locking)		-	3
25	03-091700		TERMINAL, SPADE (locking			1
26	03-439000		TIE, CABLE [3-5/8" (92 mn	***************************************	- · · · · · · · · · · · · · · · · · · ·	5
27	07-003004		CAP SCREW, HEX HEAD		, Grade 5)	3
28	07-065014		WASHER, HELICAL LOCK	•	, ,	3
				Í		
			The second se			
TITLE	TITLE PLATFORM ASSEMBLY (PLATE 1 OF 3)					
PLAT	E 0400	CIRAC	N AEDIALO INO		PART	
NO.	<sup>-</sup> 04.22	DIMIC	N AERIALS INC.	REV. 26 APR., 1995	NO.	



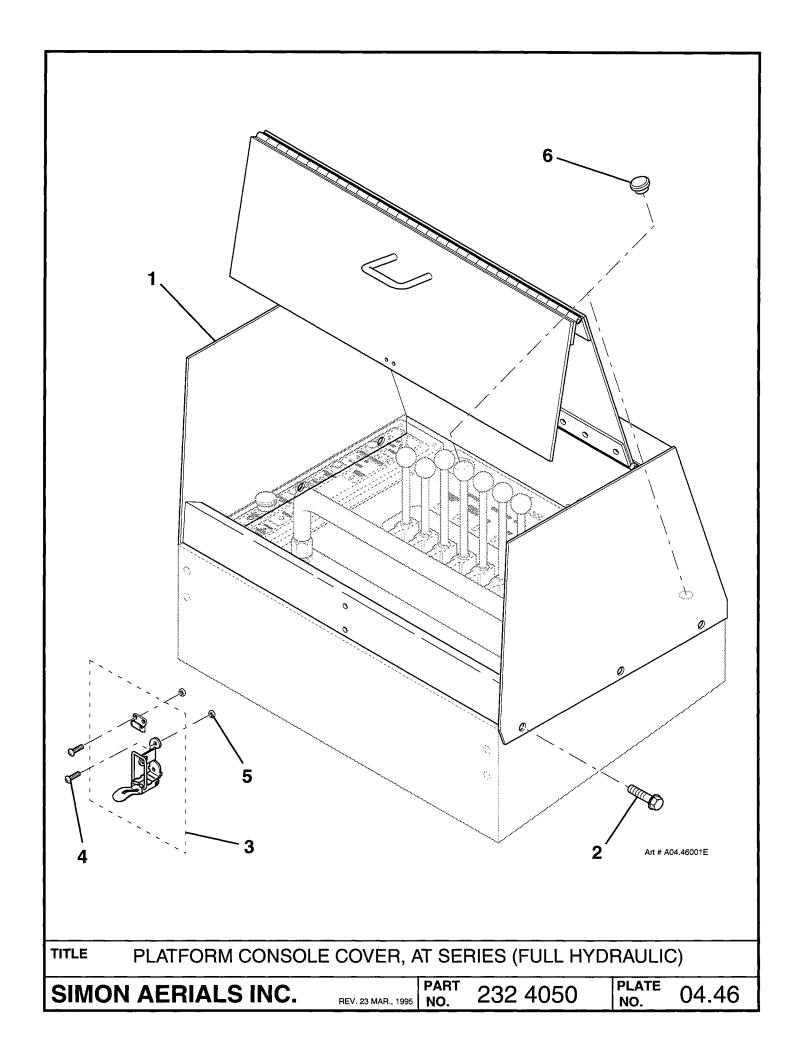
	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
29	03-062100	0_011011	BOX, DUPLEX OUTLET	1	
30	03-067000		OUTLET, DUPLEX (125 Volt AC, 20 Amp)	1	
31	03-062200		COVER, DUPLEX OUTLET (Weatherproof)	1	
32	07-090156		CAP SCREW, BUTTON HEAD (1/4"-20 x 5/8", Stn. Stl)	2	
33	07-050014		NUT, STOP (1/4"-20, Grade 5)	2	
34	03-041000		GRIP, CORD (1/2", with 3/8" - 7/16" seal)	1	
35	352 5790		ROTARY ACTUATOR ASSEMBLY	1	
36	02-023700	21.02	ACTUATOR, ROTARY	1	
37	06-044300		90° ELBOW, STRAIGHT THREAD (4 C50X-S)	2 <b>1</b>	
38	01-202000		VALVE, PRESSURE RELIEF		
39 40	07-003053 07-065016		CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5) WASHER, HELICAL LOCK (3/8")	2 2	
41	07-062015		WASHER, FLAT (5/16")	2	
42	217 7770		TUBE ASSEMBLY, HYDRAULIC ROTATOR	2	
43	06-044400		90° ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2	
44	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F50X-S)	2	
45	07-004092		CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 8)	4	
46	07-058400		NUT, LOCK (1/2"-13, Grade 8)	4	
47			CONSOLE ASSEMBLY, PLATFORM CONTROL	1	
	353 6740	09.23	with Full Hydraulic controls		
	354 0020	09.24	with Electro-Proportional controls		
48	10-069600		CLAMP, TUBE (1-1/4")	2	
49	07-003002		CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)		
			(with Full Hydraulic controls)	2	
50	07-062014		WASHER, FLAT (1/4") (with <b>Full Hydraulic</b> controls)	2	
_	07-062016		WASHER, FLAT (3/8") (with Electro-Proportional controls)	2	
51	07-050014 07-050016		NUT, STOP (1/4"-20, Grade 5) (with <b>Full Hydraulic</b> controls) NUT, STOP (3/8"-16, Grade 5) ( <b>Electro-Proportional</b> )	2	
52	11-203300		CAP, PIPE (1-1/4")	2	
53	232 2880		RAIL, HAND REST [3" (76 mm) high]	1	
54	232 2990		FITTING, HAND REST RAIL (Modified 8 PNTX-S)	2	
55	231 9790		RAIL, GRAB [8-1/2" (216 mm) high]	1	
56	11-085200		BOX, TECHNICAL MANUAL STORAGE	1	
57	07-029365		SCREW, HEX WASHER HEAD		
			(#12 x 1", Self drilling, with rubber seal)	2	
58	10-151200		DECAL, "DANGER" (Hazard listing, at Platform controls)	1	
59	10-007200		DECAL, "DISENGAGE LOCK PIN "	1 1	
60	10-147400		PLACARD, PLATFORM LEVEL AND ROTATE CONTROLS	1	
61	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1	
TITLE		PLA	TFORM ASSEMBLY (PLATE 2 OF 3)	I	
DIATE					
NO.	6 04.22	21MO	N AERIALS INC. REV. 26 APR., 1995 NO.		



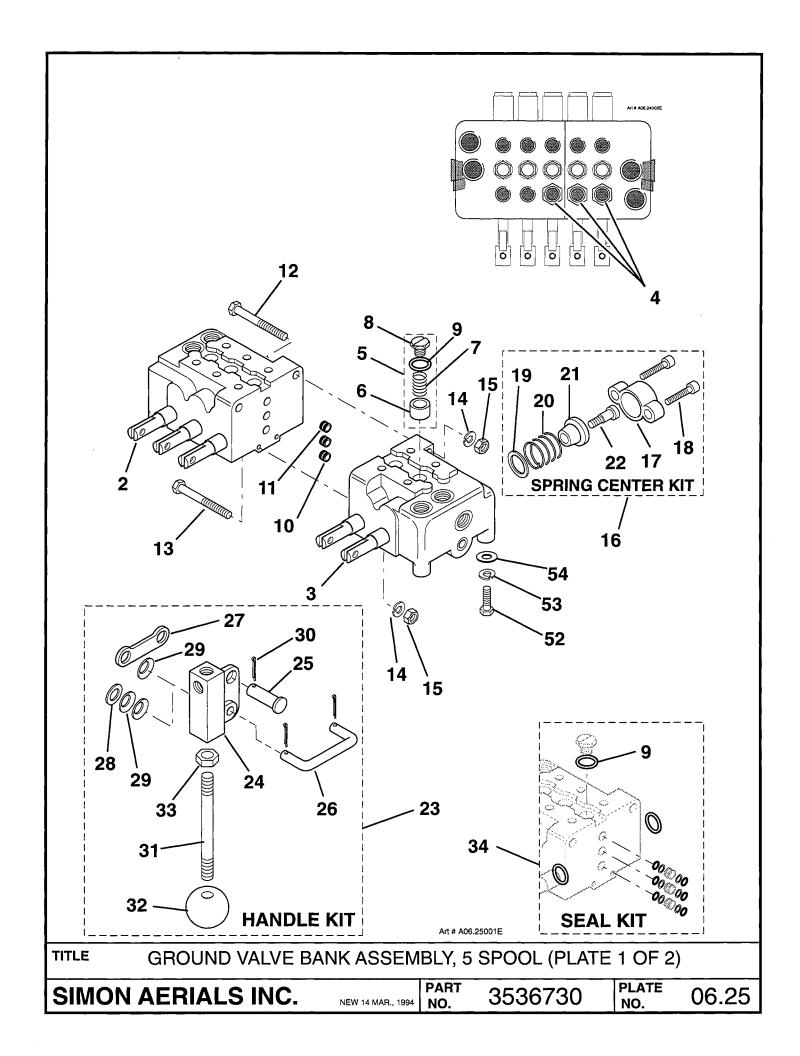
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
62	10-148300	<u> </u>	DECAL, "Platform capacity 500 Lbs (225 Kg)"	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1	·		(4-1/2" [114 mm] wide)	2
63	10-145300		DECAL, "Platform capacity 500 Lbs (225 Kg)"	
			(18-1/4" [464 mm] wide)	1
64			DECAL, "SIMON" NAME	
	10-105900		White, 5" (127 mm) high (standard)	1
05	10-017200		Black, 5" (127 mm) high (special application)	1
65	10-126800		DECAL, STRIPE ([4] Orange stripes, 3-3/4" [95 mm] wide)	A.R.
66	10-121600		(Bulk item, order as needed) (10 Ft [3.05 M] used here) DECAL, "MADE IN U.S.A."	A.D.
67	10-121000		HOSE KIT, PLATFORM	
`	353 6880		with <b>Full Hydraulic</b> control system	
	353 8970		with Electro-Proportional control system	
			·	
			The following items are not part of the Platform Assembly:	
68			COVER, CONTROL CONSOLE (Rear)	1
	214 0390		with Full Hydraulic control system	
69	233 8500 07-029365		with <b>Electro-Proportional</b> control system SCREW, HEX WASHER HEAD	
09	07-029365	III	(#12 x 1", Self drilling, with rubber seal)	6
70	213 8950		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8") (except Canada)	1
1,0	232 3550		PIN, PLATFORM PIVOT (1-1/4" x 9-5/8") (CSA standards)	-
71	202 3003		PIN, SLAVE CYLINDER (1-1/4" x 8") (Rod end)	
	213 8980		except Canada	1
!	232 3520		CSA standards	1
72	03-064700		TIE, CABLE [14-1/2" (37 mm) long]	10
73	03-066400		TIE, CABLE [20" (51 mm) long]	5
74	10-113000		PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)	2
75	10-034000		BELT, SAFETY (option)	1 1
76	10-033900		LANYARD, SAFETY BELT (option)	
			The following optional items are not shown:	ļ.
77			COVER, CONTROL CONSOLE (Hinged metal)	1
	232 4050	04.46	with Full Hydraulic controls	
	233 1760	04.45	with Electro-Proportional controls	
78	10-116900		COVER, CONTROL CONSOLE (Vinyl cloth)	1 A.R.
79 <b>80</b>	10-163800 07-099300		STUD, BUTTON SNAP (Stainless steel) (for vinyl cover) RIVET, BLIND (Stainless steel) (for vinyl cover)	A.R.
81	03-038800		LAMP, CONTROL PANEL (hooded)	2
82	03-418600		BULB, PANEL LAMP (#68)	2
TITLE PLATFORM ASSEMBLY (PLATE 3 OF 3)				
DIATE				
NO. 04.22 SIMON AERIALS INC. REV. 26 APR., 1995 NO.				



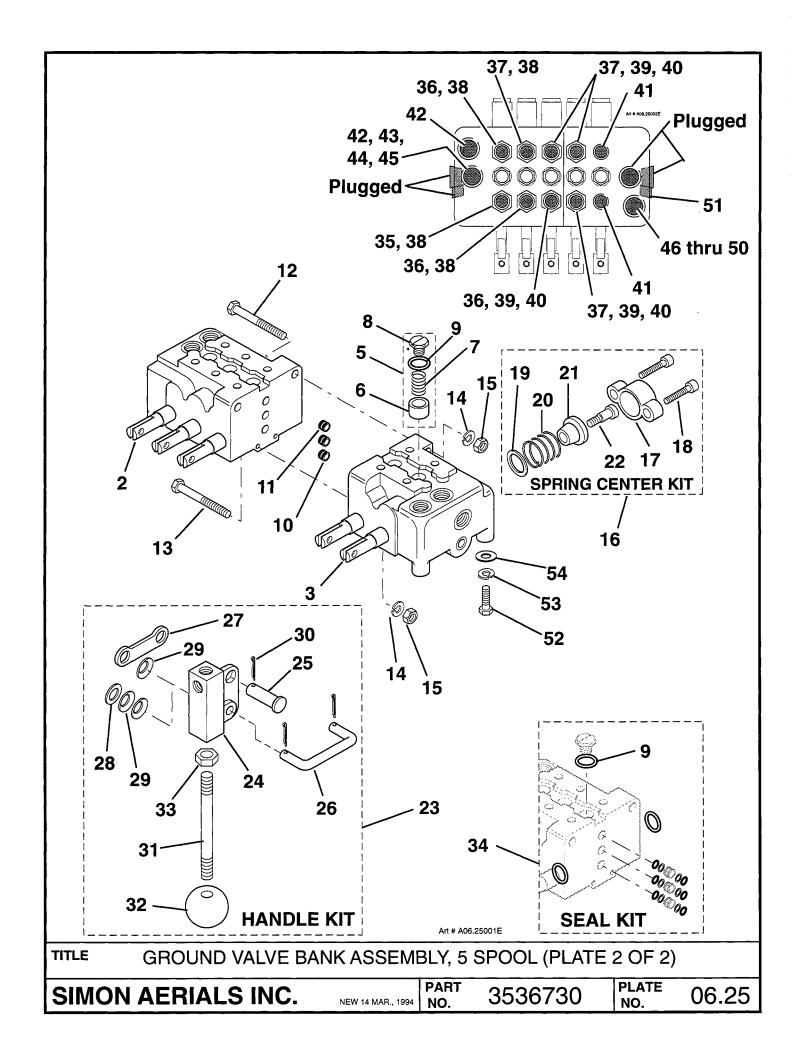
PARTS LIST						
ITEM	PART NO	SEE SECTION	DESCI	RIPTION		QTY.
1	232 3800		COVER, PLATFORM CON			1
2 3	07-102300 10-030100		SCREW, HEX WASHER H LATCH, DRAW	IEAD (#10-24 x 1/2", s	elf tapping)	6
4	07-013414		MACHINE SCREW, ROUN	ID HEAD (#10-32 x 1/2	2", Grade 2)	4
5	07-040111		NUT, HEX LOCK (#10-32,	Grade 5)		4
6	03-706500		PLUG, HOLE (9/16", Black (replace grab rail when co			2
			(replace grab fail when or	over is used)		_
		!				
					į	
			and the second of the second second second			
!						:
TITLE PLATFORM CONSOLE COVER, AT SERIES (FULL HYDRAULIC)						
PLATE NO. 04.46 SIMON AERIALS INC. REV. 23 MAR., 1995 NO. 232 4050						
NO.	U4.4U	SIIVIO	ALIMALO INO.	REV. 23 MAR., 1995 NO.	202 400	



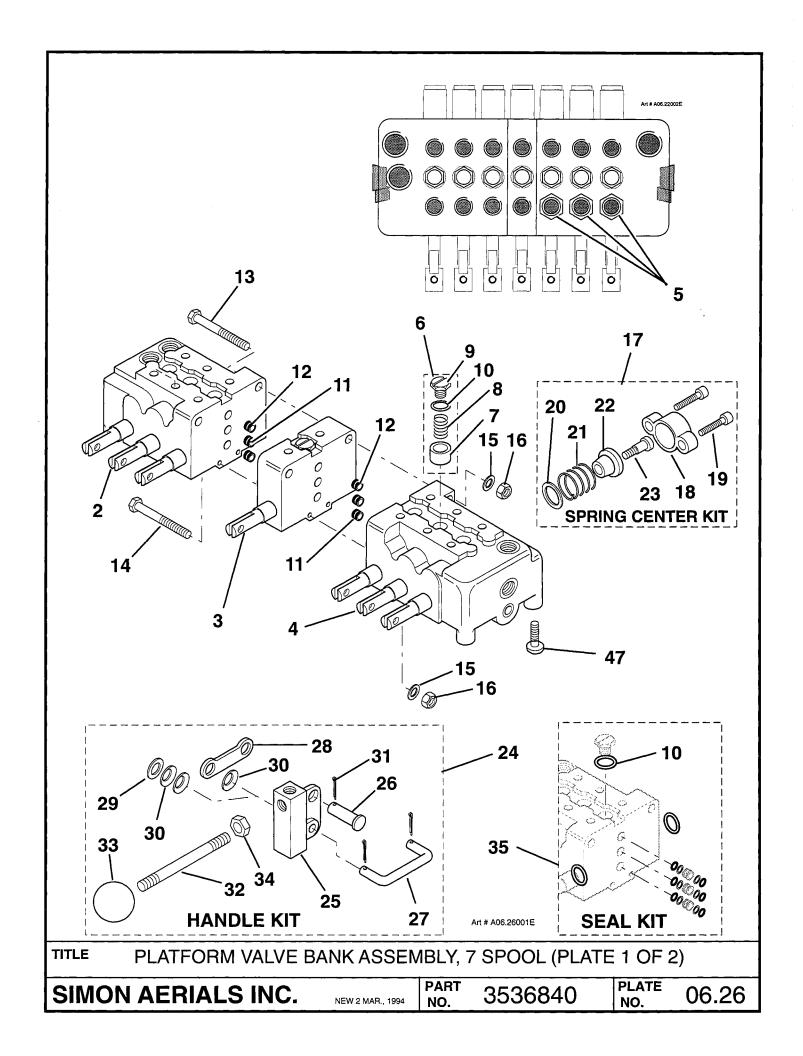
PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	01-212900		VALVE BANK ASS'Y., PLATFORM CONTROL (5 Spool)	1
2	01-212201		INLET SECTION, 3 SPOOL	1 1
3	01-098404		OUTLET SECTION, 2 SPOOL	1
4	01-098410		VALVE ASSEMBLY, FLOW CONTROL (5 L per minute, pressure compensated) (must be removed)	3
5		_	VALVE KIT, LOAD CHECK	5
6			POPPET, LOAD CHECK	1
7		į	SPRING	1 1
8			PLUG, HEX HEAD	1
9	04.000445		O-RING (also part of Seal Kit, item 34)	1 1
10 11	01-098415 01-098416		TUBE ASSEMBLY, FEEDER (3/4" O.D.) TUBE ASSEMBLY, FEEDER (11/16" O.D.)	2
12	01-050410		BOLT, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)	2
13			BOLT, HEX HEAD (1/4"-20 x 3", Grade 5)	2
14			WASHER, SPLIT LOCK (1/4")	4
15			NUT, HEX (1/4"-20, Grade 5)	4
16			SPRING CENTER KIT	5
17 18			CAP, END SCREW	2
19			WASHER	1
20			SPRING, RETURN	1
21			SPACER	1
22			BOLT, SHOULDER	1
23	01-212902		HANDLE KIT [for 8" (203 mm) long handle]	5
24 25	01-098402 01-098403		BLOCK, PIVOT PIN, CLEVIS	] ]]
26	01-098413		C-HOOK	
27	01-098414		LINK (used on three outboard spools)	1
28	01-098411		WASHER, FLAT (for center spools not using link)	1
29	01-098409		WASHER, SPRING (1 for spools using link, 2 for rest)	2
30	01-098412		PIN, COTTER	3
31 32	01-212901 01-098407	:	ROD, HANDLE [8" (203 mm) long] KNOB, BALL (Plastic)	¦
33	01-098408		NUT, JAM	1
34	01-098601		SEAL KIT (will service 5 Spools)	1
TITLE GROUND VALVE BANK ASSEMBLY, 5 SPOOL (PLATE 1 OF 2)				
PLAT	E 06.25	SIMO	N AERIALS INC. NEW 14 MAR., 1994 NO. 353673	30
NO.			NEW 14 WAR, 1994   NU. 3000 / C	



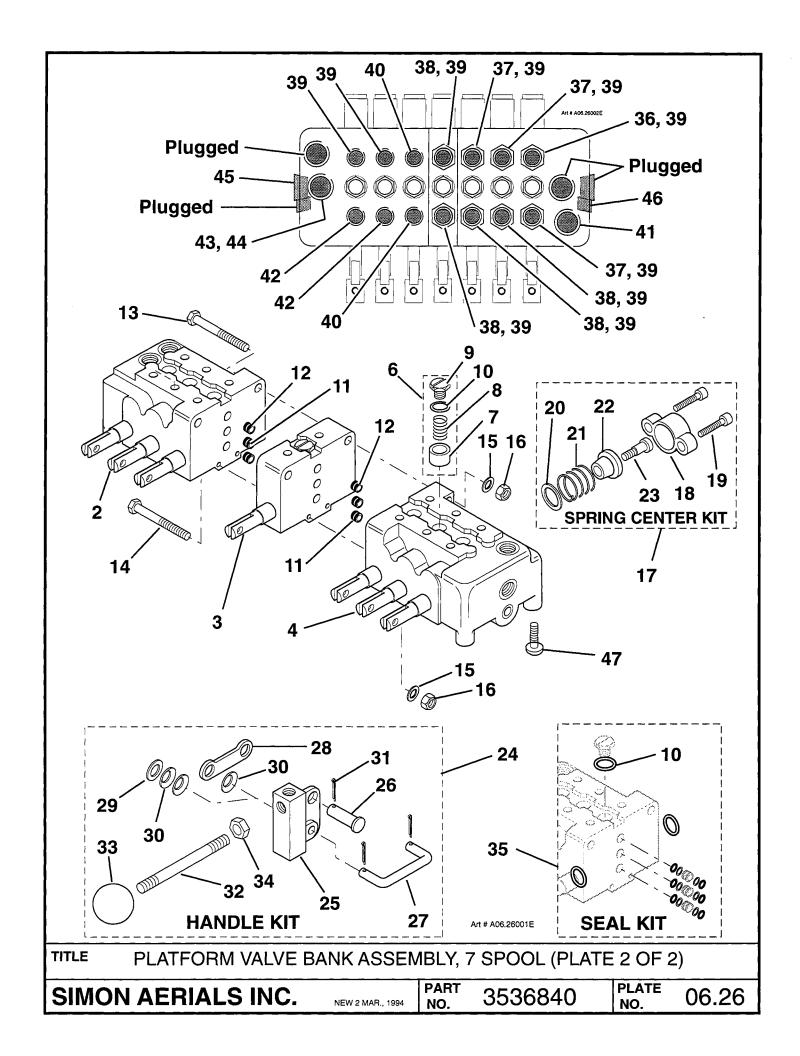
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
			The following items are not included as part of valve bank			
		l	01-212900, but <b>are</b> a part of valve bank assembly 3536730:			
35	01-098410		VALVE ASSEMBLY, FLOW CONTROL			
			(5 L per minute, pressure compensated)	1		
36	01-098702		VALVE ASSEMBLY, FLOW CONTROL (7.5 L per minute, pressure compensated)	3		
37	01-098703		VALVE ASSEMBLY, FLOW CONTROL			
			(10 L per minute, pressure compensated)	4		
38 39	06-039600 06-090500		ADAPTER, "O"-RING TO 37° (4-8 F5OX-S) REDUCER/ EXPANDER (8-4 FSO G5-S)	-4 -4		
40	06-048300		RUN TEE, MALE "O"-RING (4 R50X-S)	4		
41	06-039900		ADAPTER, "O"-RING TO 37° (6-8 F5OX-S)	2		
42 43	06-040000 06-197700		ADAPTER, "O"-RING TO 37° (6-10 F5OX-S) MALE CONNECTOR, SWIVEL NUT (6 F6X-S)	2		
43	01-012300		VALVE, FLOW CONTROL (Needle valve, 1/4" NPT)			
			[.75 to 5.0 GPM (2.8 to 18.9 Liters/ Min)]	1		
45	06-000700		CONNECTOR, MALE (6 FTX-S)	1		
46 47	06-040300 06-207800		ADAPTER, "O"-RING TO 37° (8-10 F5OX-S) ADAPTER, SWIVEL NUT (8 F65X-S)			
48	01-068200		VALVE, CHECK (Pilot operated)	1		
49	06-039500		ADAPTER, "O"-RING TO 37° (4-6 F5OX-S)	1		
50 51	06-044700 01-098704		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S) PLUG, POWER BEYOND			
52	07-003450		SCREW, HEX HEAD (5/16"-24 x 3/4")	4		
53	07-065015		WASHER, SPLIT LOCK (5/16")	4		
54	07-062015		WASHER, FLAT (5/16")	4		
			4 A De Paris Paris I and A De Paris De			
		IN ID MAN	ALE DANK ACCEMBLY E ODGOL (D) ATE COE C)			
TITLE	<u> </u>	אט VAL	VE BANK ASSEMBLY, 5 SPOOL (PLATE 2 OF 2)			
PLAT NO.	<sup>E</sup> 06.25	SIMO	NAERIALS INC. NEW 14 MAR., 1994 NO. 353673	30		



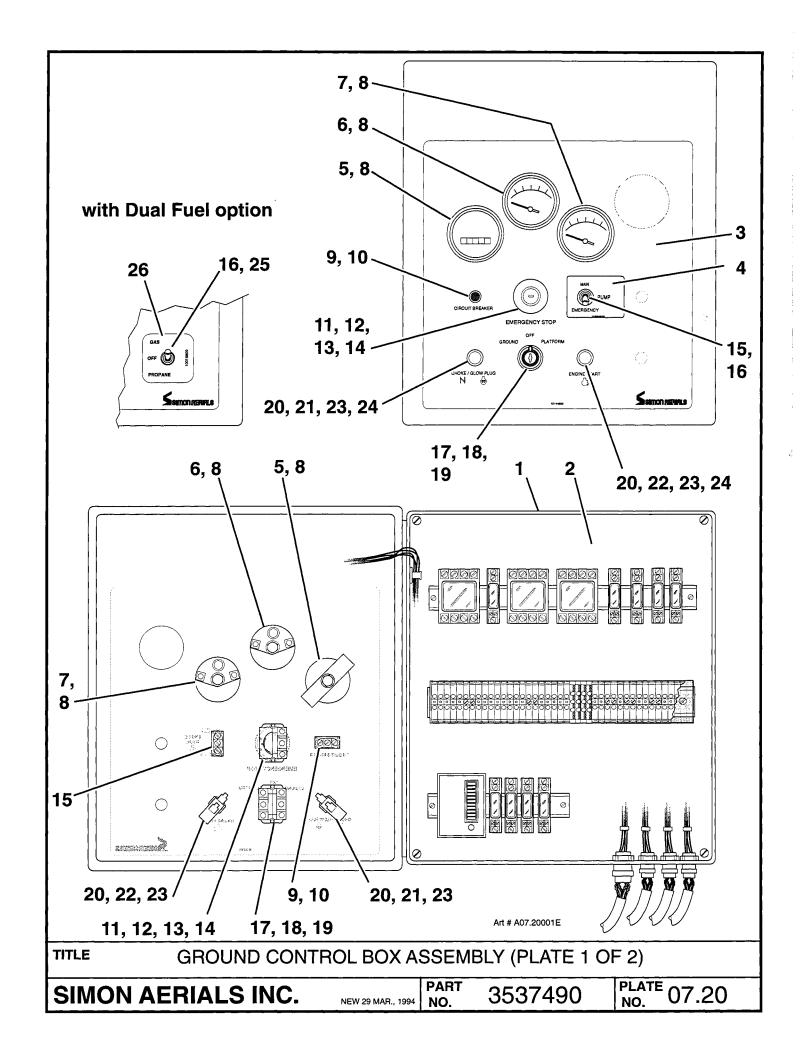
PART NO	PARTS LIST					
[(3) Flow Control Valves (item 5, see illustration for location) must be removed for this application]  2	ату.					
Must be removed for this application]						
2	_					
3	1					
4	. 1					
pressure compensated) (must be removed)   VALVE KIT, LOAD CHECK     POPPET, LOAD CHECK     POPPET, LOAD CHECK     SPRING     PLUG, HEX HEAD     O-RING (also part of Seal Kit, item 35)     TUBE ASSEMBLY, FEEDER (3/4" O.D.)     TUBE ASSEMBLY, FEEDER (11/16" O.D.)     TUBE ASSEMBLY, FEE	1					
O	***************************************					
POPPET, LOAD CHECK   SPRING   PLUG, HEX HEAD   O-RING (also part of Seal Kit, item 35)   TUBE ASSEMBLY, FEEDER (3/4" O.D.)   TUBE ASSEMBLY, FEEDER (11/16" O.D.)   TUBE ASSEMBLY, FEED	3 7					
SPRING	1					
PLUG, HEX HEAD  O-RING (also part of Seal Kit, item 35)  TUBE ASSEMBLY, FEEDER (3/4" O.D.)  TUBE ASSEMBLY, FEEDER (11/16" O.D.)  BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)  BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)  WASHER, SPLIT LOCK (1/4")  NUT, HEX (1/4"-20, Grade 5)  SPRING CENTER KIT  CAP, END  SCREW  WASHER  20  WASHER  SPRING, RETURN  SPRING, RETURN  SPACER  BOLT, SHOULDER  HANDLE KIT [with 5" (127 mm) long handle]  HANDLE KIT [with 5-3/4" (146 mm) long handle]  BLOCK, PIVOT  PIN, CLEVIS  7 01-098403  BLOCK, PIVOT  PIN, CLEVIS  C-HOOK  LINK (used on two spools at each end)  WASHER, FLAT (for center spools not using link)	-1					
11         01-098415         TUBE ASSEMBLY, FEEDER (3/4" O.D.)           12         01-098416         TUBE ASSEMBLY, FEEDER (11/16" O.D.)           13         BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)           14         BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)           15         WASHER, SPLIT LOCK (1/4")           16         NUT, HEX (1/4"-20, Grade 5)           17         SPRING CENTER KIT           18         CAP, END           19         SCREW           20         WASHER           21         SPACER           BOLT, SHOULDER           HANDLE KIT [with 5" (127 mm) long handle]           24         01-098902           25         01-098402           26         01-098403           27         01-098413           28         01-098414           29         01-098411           WASHER, FLAT (for center spools not using link)	1					
12         01-098416         TUBE ASSEMBLY, FEEDER (11/16" O.D.)           13         BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)           14         BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)           15         WASHER, SPLIT LOCK (1/4")           16         NUT, HEX (1/4"-20, Grade 5)           17         SPRING CENTER KIT           18         CAP, END           19         SCREW           20         WASHER           21         SPACER           BOLT, SHOULDER           24         01-098901         HANDLE KIT [with 5" (127 mm) long handle]           25         01-098902         HANDLE KIT [with 5-3/4" (146 mm) long handle]           25         01-098403         PIN, CLEVIS           27         01-098413         C-HOOK           28         01-098414         LINK (used on two spools at each end)           29         01-098411         WASHER, FLAT (for center spools not using link)	1					
BOLT, HEX HEAD (1/4"-20 x 3-3/4", Grade 5)	4					
BOLT, HEX HEAD (1/4"-20 x 4-1/2", Grade 5)     WASHER, SPLIT LOCK (1/4")     NUT, HEX (1/4"-20, Grade 5)     SPRING CENTER KIT     CAP, END     SCREW     WASHER     20	2					
15	2					
17	. 4					
18	4					
SCREW   WASHER   SPRING, RETURN   SPACER   BOLT, SHOULDER   HANDLE KIT [with 5" (127 mm) long handle]   HANDLE KIT [with 5-3/4" (146 mm) long handle]   BLOCK, PIVOT   BLOCK, PIVOT   PIN, CLEVIS   C-HOOK   LINK (used on two spools at each end)   WASHER, FLAT (for center spools not using link)   C-HOCK   Canada	7					
20	1 2					
21         SPRING, RETURN           22         SPACER           23         BOLT, SHOULDER           24         01-098901         HANDLE KIT [with 5" (127 mm) long handle]           25         01-098402         BLOCK, PIVOT           26         01-098403         PIN, CLEVIS           27         01-098413         C-HOOK           28         01-098414         LINK (used on two spools at each end)           29         01-098411         WASHER, FLAT (for center spools not using link)	1					
22         SPACER           23         BOLT, SHOULDER           24         01-098901         HANDLE KIT [with 5" (127 mm) long handle]           01-098902         HANDLE KIT [with 5-3/4" (146 mm) long handle]           25         01-098402         BLOCK, PIVOT           26         01-098403         PIN, CLEVIS           27         01-098413         C-HOOK           28         01-098414         LINK (used on two spools at each end)           29         01-098411         WASHER, FLAT (for center spools not using link)	1					
24       01-098901       HANDLE KIT [with 5" (127 mm) long handle]         01-098902       HANDLE KIT [with 5-3/4" (146 mm) long handle]         25       01-098402       BLOCK, PIVOT         26       01-098403       PIN, CLEVIS         27       01-098413       C-HOOK         28       01-098414       LINK (used on two spools at each end)         29       01-098411       WASHER, FLAT (for center spools not using link)	1					
01-098902	1					
25       01-098402       BLOCK, PIVOT         26       01-098403       PIN, CLEVIS         27       01-098413       C-HOOK         28       01-098414       LINK (used on two spools at each end)         29       01-098411       WASHER, FLAT (for center spools not using link)	2					
26       01-098403       PIN, CLEVIS         27       01-098413       C-HOOK         28       01-098414       LINK (used on two spools at each end)         29       01-098411       WASHER, FLAT (for center spools not using link)	1					
27         01-098413         C-HOOK           28         01-098414         LINK (used on two spools at each end)           29         01-098411         WASHER, FLAT (for center spools not using link)	1					
29 01-098411 WASHER, FLAT (for center spools not using link)	1					
	1					
	2					
31 01-098412 PIN, COTTER	3					
32 01-098502 ROD, HANDLE [5" (127 mm) long]	1					
01-098503 ROD, HANDLE [5-3/4" (146 mm) long]	1					
33 01-098407 KNOB, BALL (Plastic)	1					
34 01-098408 NUT, JAM	1					
35 01-216301 SEAL KIT (will service 7 Spools)						
compared to the contract of th						
TITLE PLATFORM VALVE BANK ASSEMBLY, 7 SPOOL (PLATE 1 OF 2)						
PLATE NO. 06.26 SIMON AERIALS INC. NEW 2 MAR., 1994 NO. 3536840	)					



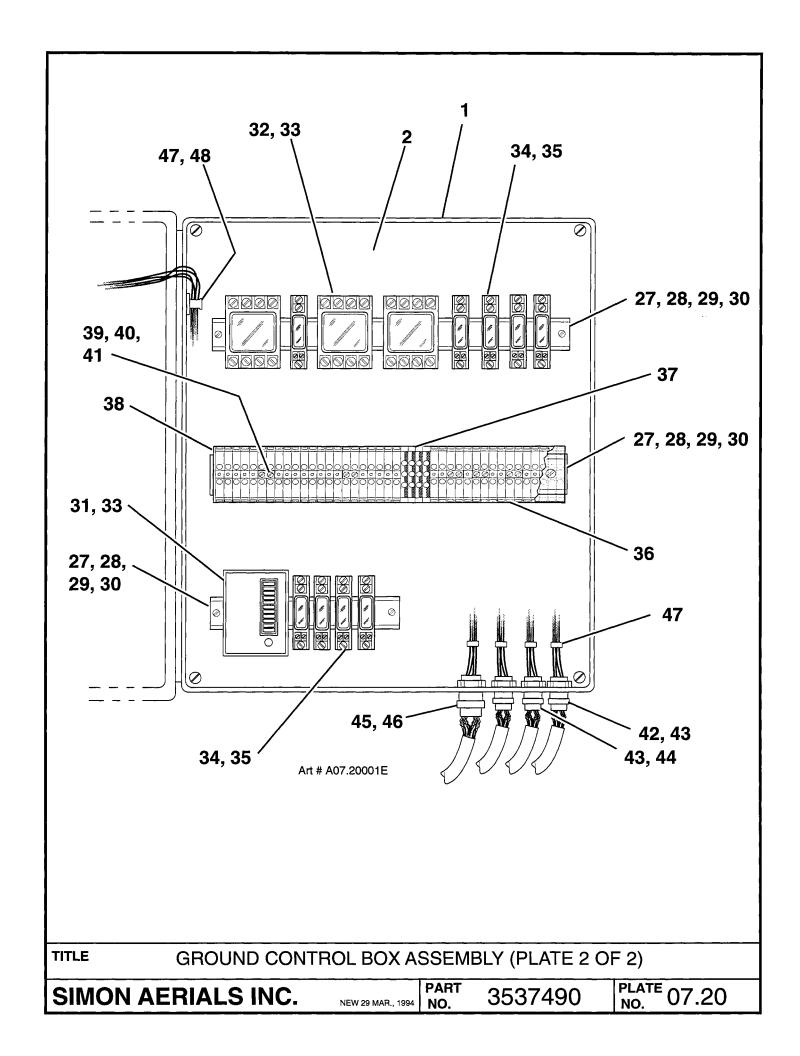
ļ	PARTS LIST						
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.			
			The following items <b>are not</b> included as part of valve bank 01-216300, but <b>are</b> a part of valve bank assembly 3536840:				
00	0.4 0000 440		•				
36	01-098410		VALVE ASSEMBLY, FLOW CONTROL  (5 L per minute, pressure compensated)	1			
37	01-098702		VALVE ASSEMBLY, FLOW CONTROL				
38	01-098703		(7.5 L per minute, pressure compensated) VALVE ASSEMBLY, FLOW CONTROL	3			
39	oc agaeaa		(10 L per minute, pressure compensated)	4			
40 <sup>-</sup>	06-039600 06-039900		ADAPTER, "O"-RING TO 37° (4-8 F50X-S) ADAPTER, "O"-RING TO 37° (6-8 F50X-S)	10 2			
41 42	. 06-040000 2144690		ADAPTER, "O"-RING TO 37° (6-10 F50X-S) FITTING, ORIFICED (Modified 4-8 F50X-S)	1 2			
43	06-090800		REDUCER/ EXPANDER (10-6 F50 G5-S)	1			
44 45	06-048500 06-095200		RUN TEE, MALE "O"-RING (6 R50X-S) PLUG, HEX SOCKET (10 HP 50N-S)	1			
46	01-098704		PLUG, POWER BEYOND	1			
47	07-111500		CAP SCREW, BUTTON HEAD (5/16"-24 x 1")	4			
	•						
TITLE	PLATFO	DRM VA	LVE BANK ASSEMBLY, 7 SPOOL (PLATE 2 OF 2)	ı			
PLAT			DADT.	10			
NO.	06.26	SINO	NAERIALS INC. NEW 2 MAR., 1994 NO. 353684	ŧU			



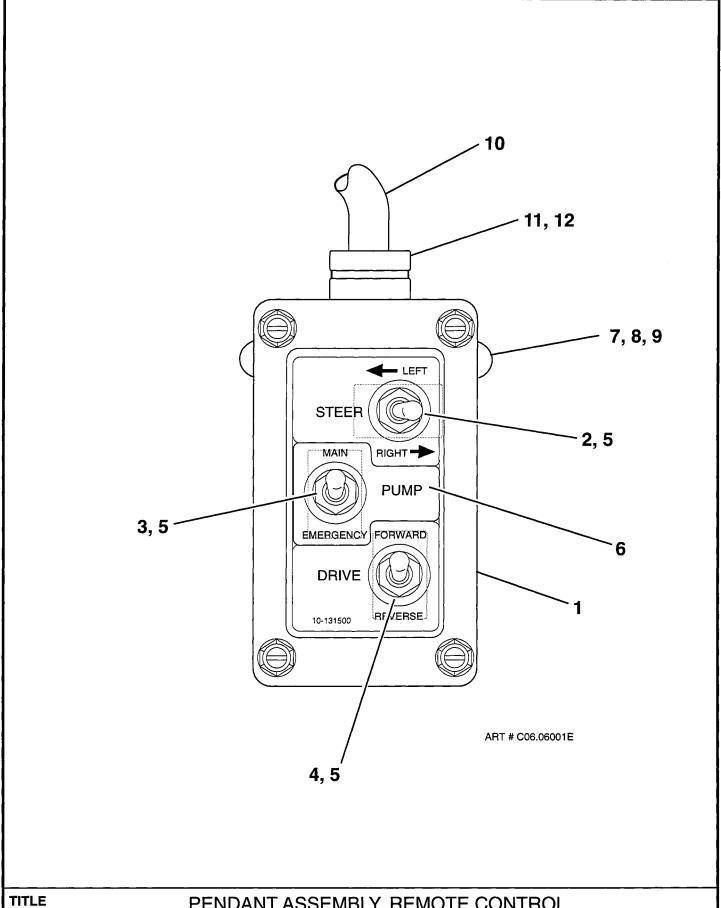
			PARTS LIST		
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	2310430	}	ELECTRICAL BOX, GROUND CONTROL	1	
2	2196530		SUB PLATE, MOUNTING	1	
3	10-144300		DECAL, GROUND CONTROL	1	
4	10-223900		DECAL, MAIN/ EMERGENCY PUMP	1	
5	03-492300		METER, HOUR (Solid state, 12 to 24 Volt DC)		. :
6 7	03-492200 03-492400		METER, VOLT (12 Volt DC, 8 to 18 Volt range) GAUGE, OIL PRESSURE (12 Volt DC, 0 to 100 PSI)	4	
8	03-492400		"O"-RING (Meter seal to panel)	3	
9	03-024000		BREAKER, CIRCUIT	١	
J	00 024000		(20 Amp @ 120 Volt AC, push to reset)	1	
10	03-499800		SEAL, CIRCUIT BREAKER BUTTON	1.1	
11	03-702000		BUTTON, EMERGENCY STOP (Red, "Pull to release" style)	1	
12	01-037400		"O"-RING (.351" O.D., .072" thick)	1	,
13	03-437300		BLOCK, CONTACT (Normally closed)	1	ı
14	03-454900		BASE, CONTACT BLOCK	1	
15	03-020400		SWITCH, TOGGLE (Pump selector)		
			(2 position, maintained contact, single pole, single throw)	1	
16	03-497900		SEAL, PANEL	A.R.	
17	03-496100	<b> </b>	SWITCH, KEY OPERATED (3 position) (includes two keys)	1	
18	03-496200		BLOCK, CONTACT (Normally open)	2	
19	03-496300		BLOCK, CONTACT (Normally closed)	1	
20	03-402500		SWITCH (10 Amp, 250 Volt AC)	2	S (1) (1) (1) (1)
21	03-402800		BUTTON, PUSH (Blue) (Choke/ Glow plug)	1	
22	03-402900		BUTTON, PUSH (Green) (Engine start)	1	
23	03-402600		SEAL, SWITCH BEZEL	2	
24	10-151000		CAP, VINYL (Black)	2	
25	40.040000		SWITCH, TOGGLE (with "Dual fuel" option)	1	
26	10-016800		DECAL, "GAS/ OFF/ PROPANE" (with "Dual fuel" option)		
	!				
TITLE	GI	ROUND	CONTROL BOX ASSEMBLY (PLATE 1 OF 2)		ī
PLAT	E 07.20	CIMO	N AERIALS INC. NEW 29 MAR., 1994 NO. 353749	$\overline{}$	1
NO.	07.20	SIIVIO	NAERIALS INC. NEW 29 MAR., 1994 NO. 353749	<u> </u>	



PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
27 28 29	03-051700		RAIL, TERMINAL [1 M (39.4") long section, must be cut to fit] MACHINE SCREW, PAN HEAD (#6-32) NUT, HEX LOCK (#6-32)	A.R. 6 6	
30 31	07-090063 03-052800		WASHER, EXTERNAL TOOTH (#6) RELAY, TIME DELAY (0 to 102.3 second, 12 Volt DC)	6	
			Usage and quantity of the following items may vary with options or application:		
32 33 34	03-050100 03-037500 03-051500		RELAY, PLUG IN (Double pole, 12 Volt DC) SOCKET, RELAY (Double pole, snap mount) RELAY, PLUG IN (Single pole, 12 Volt DC)	A.R. A.R. A.R.	
35 36 37	03-051600 03-066200 03-039100		SOCKET, RELAY (Single pole, snap mount) BLOCK, TERMINAL (25 Amp, for #12 Gauge wire) BLOCK, TERMINAL (Grounding, for #12 Gauge wire)	A.R. A.R. A.R.	
38 39 40	03-066100 03-066300 03-067500		PLATE, TERMINAL BLOCK END BAR, JUMPER (2 pole) (Double line jumper) BAR, JUMPER (3 pole) (Triple line jumper)	1 A.R. A.R.	
41 42 43	03-707200 03-037200 03-055500		BAR, JUMPER (4 pole) (Quad line jumper) GRIP, CORD (1/2", sealing) NUT, CONDUIT LOCK (1/2")	A.R. A.R. A.R.	
44 45 46	03-045500 03-063200 03-055600		GRIP, CORD (1/2") GRIP, CORD (3/4", sealing) NUT, CONDUIT LOCK (3/4")	A.R. A.R. A.R.	
47 48	03-064000 03-064100		TIE, CABLE [7.4" (188 mm) long] MOUNT, CABLE TIE	A.R. A.R.	
TITLE	<sup>E</sup> 07.20		CONTROL BOX ASSEMBLY (PLATE 2 OF 2)	$\frac{1}{2}$	
NO.	07.20	SIIVIO	NAERIALS INC. NEW 29 MAR., 1994 NO. 3537490	<u> </u>	



PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	2193970		BOX, CONTROL (drilled, includes cover)	1 1	
2	03-020500		SWITCH, TOGGLE (Steer) (Three position, momentary contact, single pole, double throw)	4	
3	03-020600	-	SWITCH, TOGGLE (Pump) (Three position,	1	
	2.00	-	momentary contact, double pole, double throw)	1	
4	03-020600		SWITCH, TOGGLE (Drive) (Three position,		
5	03-497900		momentary contact, double pole, double throw) SEAL, PANEL	3	
6	10-131500		DECAL, REMOTE CONTROL PENDANT	1	
7	01-031705		KNOB, CONTROL BOX MOUNTING	2	
8	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)	2	
9 · 10	07-062011 03-446100		WASHER, FLAT (#10) CABLE, ELECTRICAL (18 AWG, 10 conductor)	10	
	00 110100		[6' (1.83 M) needed for this application]	A.R.	
11	03-041700		GRIP, CORD (3/8", sealing)	1	
12 13	03-055500		NUT, CONDUIT LOCK (1/2") TERMINAL SPACE (Phys. 46 atud. #14.16 AWC)	1   1	
14	03-091200 03-439000		TERMINAL, SPADE (Blue, #6 stud, #14-16 AWG) TIE, CABLE [3-5/8" (92 mm) long]	5	
15	03-064100		MOUNT, CABLE TIE (adhesive backed)	1	
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	and the second				
TITLE		PEN	IDANT ASSEMBLY, REMOTE CONTROL		
PLAT NO.	E 07.21	SIMO	N AERIALS INC. NEW 15 MAR., 1994 NO. 352937	70	
NO.			NO. 33133	_	



PENDANT ASSEMBLY, REMOTE CONTROL

SIMON AERIALS INC.

NEW 15 MAR., 1994

PART NO.

3529370

PLATE 07.21

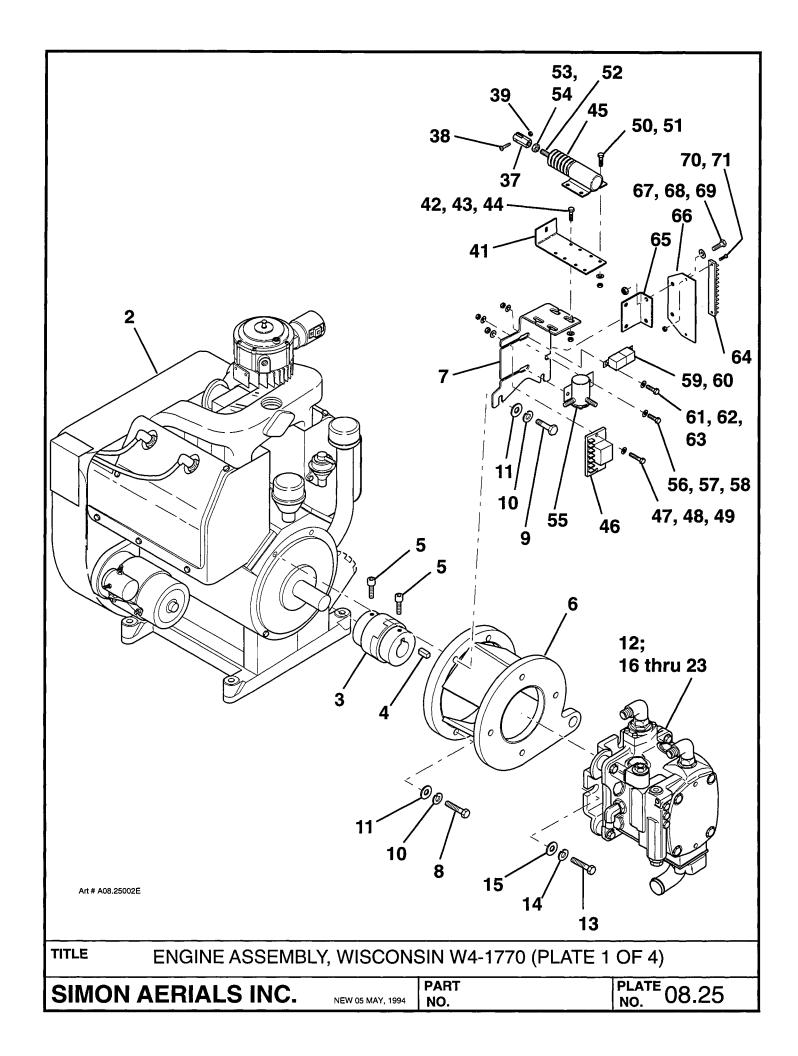
	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
	3533360		ENGINE GROUP (Wisconsin W4-1770 Gasoline)	1	
	3536850		ENGINE GROUP (Wisconsin W4-1770 Dual fuel)	1	
			· ·		
1	3533370		ENGINE ASSEMBLY (Wisconsin W4-1770 Gasoline)	1	
	3537600		ENGINE ASSEMBLY (Wisconsin W4-1770 Dual fuel)	1	
2			ENGINE (Wisconsin W4-1770 air cooled four cylinder)		
	09-006700		35 HP (26 Kw), 1.77 L <b>gasoline</b> powered	1 1	
	09-021000		35 HP (26 Kw), 1.77 L dual fuel (shown)	1	
•	02-008200		Note: Engine output shaft must be shortened. COUPLING ASSEMBLY (14 tooth spline)	-4	
3 4	2157400		KEY (3/8" x 1-1/2")		
- 5	07-008046		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4", Grade 5)	2	
6	2199740		ADAPTER, PUMP	1	
7	2150280		BRACKET, THROTTLE SOLENOID	1	
8	07-003069		CAP SCREW, HEX HEAD (7/16"-14 x 2", Grade 5)	2	
9	07-003071		CAP SCREW, HEX HEAD (7/16"-14 x 2-1/2", Grade 5)	2	
10	07-065017		WASHER, HELICAL LOCK (7/16")	4	
11	07-062017		WASHER, FLAT (7/16") (with long screws in upper holes)	6	
12	01-206900	12.13	PUMP, HYDRAULIC	1	
13	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4	
14	07-065021		WASHER, HELICAL LOCK (5/8")	4	
15	07-060021		WASHER, FLAT (5/8", standard)	4	
16	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	4	
17 18	06-202100 06-045600		FLANGE (4 bolt SAE #1, LI-16-16S-30) 90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2	
19	06-044700		90° ELBOW, STRAIGHT THREAD (12-16 C30X-3)	1 1	
20	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)		
21	01-013700		VALVE, SOLENOID (2 way)		
22	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4	
23	07-065018		WASHER, HELICAL LOCK (1/2")	4	
24	2141550		BRACKET, CHOKE	1 1	
25	07-092800		CAP SCREW, SOCKET HEAD (#8-32 x 1/2", Grade 8)	2	
26	07-092900		WASHER, INTERNAL TOOTH LOCK (#8)	2	
27			LEVER, CHOKE (comes with engine)	1	
28	03-452100		CYLINDER, CHOKE SOLENOID (12 Voit DC)	1	
29	10-110600		SPRING, CHOKE RETURN	1	
30	07-075414		ROLL PIN (1/8" x 1")	'	
TITLE	ENG	INE ASS	EMBLY, WISCONSIN W4-1770 (PLATE 1 OF 4)		
	ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE TOP 4)				

ENGINE ASSEMBLY, WISCONSIN W4-1770 (PLATE 1 OF 4)

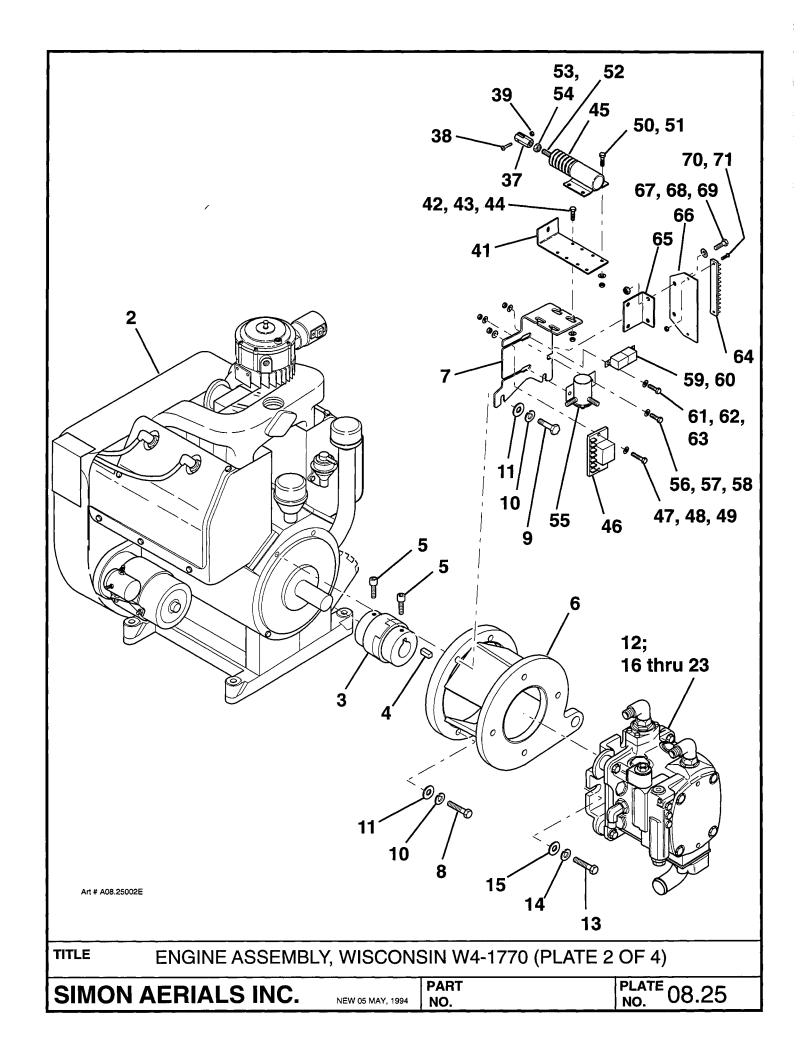
PLATE NO. 08.25 SIMON AERIALS INC.

NEW 05 MAY, 1994

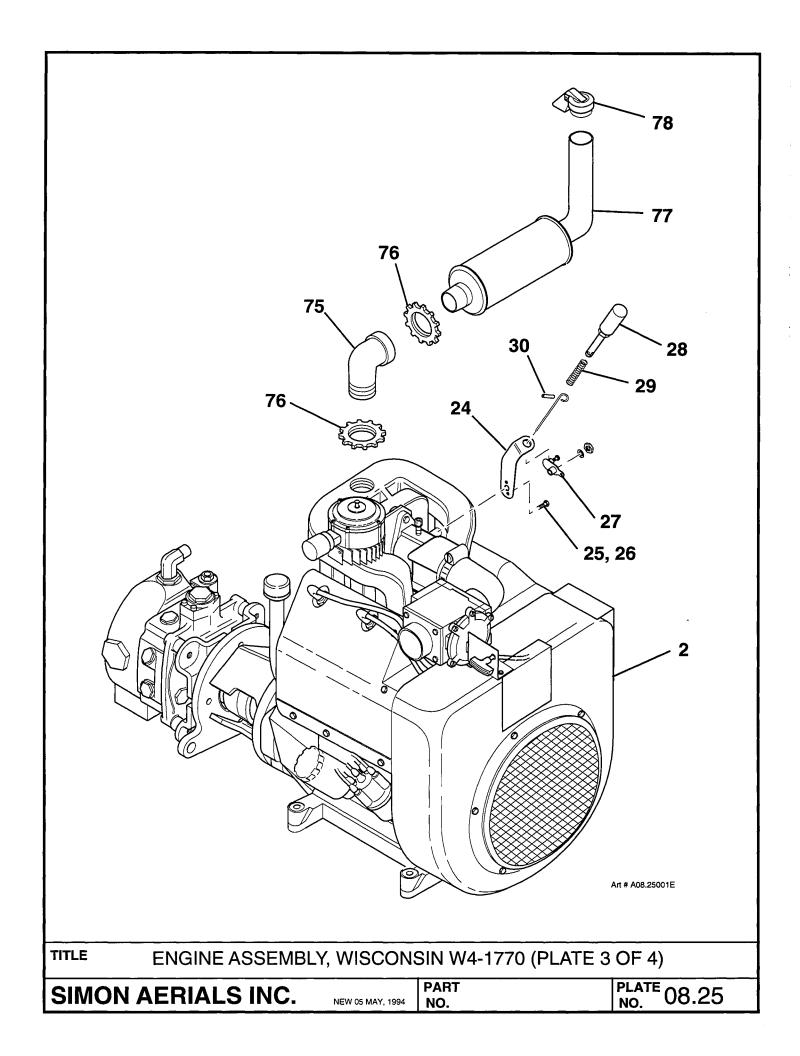
PART NO.



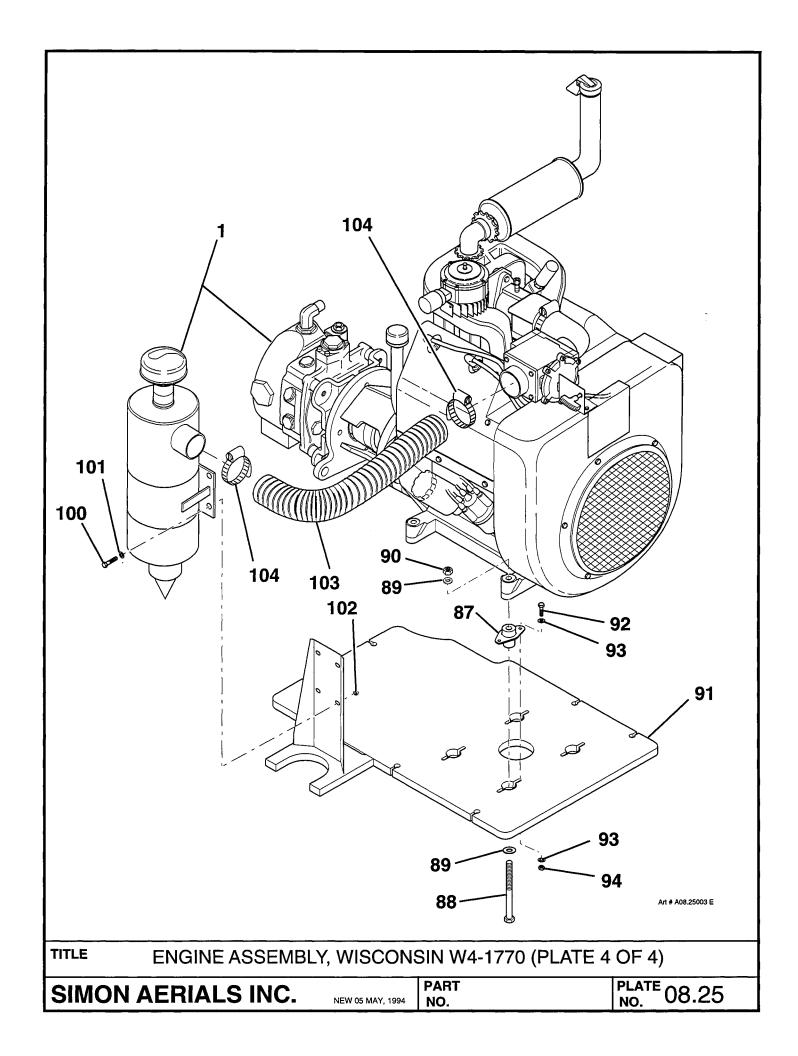
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
31	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1	
32	08-074000		CHAIN, BEAD (#13) (for throttle lever)		
			(Bulk item, order as needed. 5 balls required here.)	A.R.	
33	08-074100		COUPLING, BEAD CHAIN END	2	
34 35	07-011344 07-062009		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2) WASHER, FLAT (#8)	3	
36	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	1	
37	2107940		NUT, COUPLING (1/4"-28, modified)	1 1	
38	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	1	
39	07-050007		NUT, STOP (#6-32, Grade 5)	- 1	
40			SPRING, GOVERNOR (comes with engine)	4	
41	2319440		BRACKET, THROTTLE SOLENOID	1	
42	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	4	
43	07-060014		WASHER, FLAT (1/4" SAE)	4	
44 45	07-050014 03-456900		NUT, HEX LOCK (1/4"-20, Grade 5) SOLENOID, THROTTLE (with module)	1	
46	03-456803		MODULE, TIMER	4	
47	07-008354		CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 5)	2	
48	07-062009		WASHER, FLAT (#8)	4	
49	07-050011		NUT, HEX LOCK (#10-24, Grade 5)	2	
50	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	4	
51	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	- 4	
52	11-008005		ROD, THREADED (1/4"-28, Grade 5) [3 Ft (.91 M) long	4.0	
53	07-060014		piece. 4-3/4" (121 mm) required this application] WASHER, FLAT (1/4" SAE)	A.R.	
54	07-047114		NUT, JAM (1/4"-28, Grade 5)		
55	03-051300		RELAY, SOLENOID (Single pole, single throw,		
	00 00 .000		continuous duty)	1	
56	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	2	
57	07-060014		WASHER, FLAT (1/4" SAE)	4	
58	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	4	
59	03-467500		RELAY, CHOKE (Single pole, single throw,		
25	20 420200		12 Volt DC, normally open, sealed)	1	
60 61	03-469200 07-003004		SOCKET, CHOKE RELAY CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	1	
62	07-060014		WASHER, FLAT (1/4" SAE)	2	
63	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5) (gas only)	1	
			, , , , , , , , , , , , , , , , , , , ,		
TITLE		INE ASS	EMBLY, WISCONSIN W4-1770 (PLATE 2 OF 4)		
PLAT NO.	<sup>E</sup> 08.25	SIMO	N AERIALS INC. NEW 05 MAY, 1994 NO.		
110.	D. UO.25 SINION AERIALS INC. NEW 05 MAY, 1994 NO.				



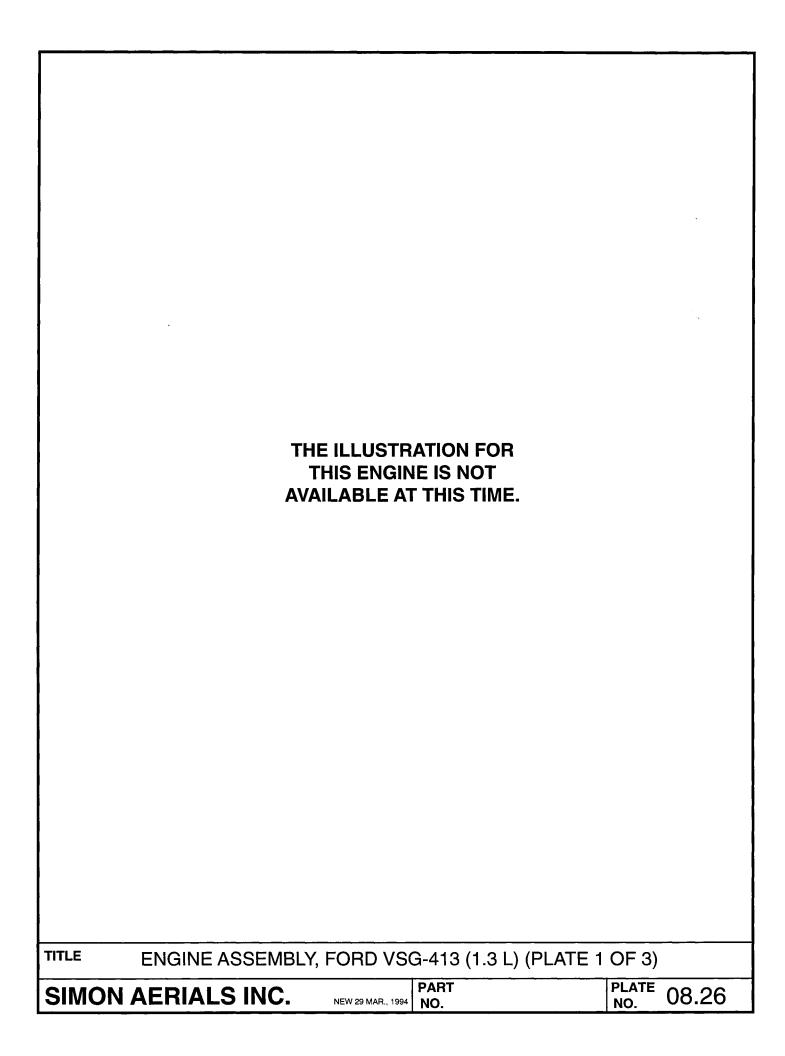
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
64	03-468700		STRIP, TERMINAL (Barrier type, 14 contact)	1		
65	2301530		BRACKET, TERMINAL STRIP [4-1/2" (114 mm) high]	1		
66	2301520		BRACKET, TERMINAL STRIP [7" (178 mm) high]	1		
67	07-003022		CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)	2		
68 69	07-062014 07-050015		WASHER, FLAT (1/4") NUT, HEX_LOCK (5/16"-18, Grade 5)	2 2		
70	07-011344		MACHINE SCREW, PAN HEAD (#8-32 x 3/4", Grade 2)	2		
71	07-050009		NUT, HEX LOCK (#8-32, Grade 5)	2		
72	03-074000		CABLE, BATTERY [Black, 9-3/4" (25 cm) long, 3/8" lugs]	1		
73	06-081300		45° STREET ELBOW (1/8 CD45-S)	1		
74	11-050404		FITTING, HOSE			
75	11.050001		(Brass, barbed, 1/4" I.D. hose, 1/8" male NPT thread)	1		
75 76	11-050021 03-488700		90° STREET ELBOW (1-1/4") LOCK NUT, CONDUIT (1-1/4")	1 2		
77	2326910		MUFFLER ASSEMBLY	1		
78	10-003800		CAP, RAIN (2")	4		
79	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)			
			[50 Ft (15.2 M) required this application]	A.R.		
80	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	l l		
	00 455000		[4 Ft (1.2 M) required this application]	A.R.		
81	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded) (Bulk item) [1 Ft (30.5 cm) required this application]	A.R.		
82	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded)	Λ.11.		
U_	30 101200		(Bulk item) [6 Ft (1.8 M) required this application]	A.R.		
83	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded)			
ì			(Bulk item) [6 Ft (1.8 M) required this application]	A.R.		
84	03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.)			
0=	20.004200		[3 Ft (.9 M) required this application]	A.R.		
85 86	03-064000 03-439000		TIE, CABLE [7.4" (188 mm) long] TIE, CABLE [3.6" (92 mm) long]	17		
00	U3-439000		HE, CABLE [8.0 (92 Hill) long]	1.4		
		:				
TITLE	ENG	INE ASS	SEMBLY, WISCONSIN W4-1770 (PLATE 3 OF 4)			
PLAT	E 08.25	SIMO	NAERIALS INC. NEW 05 MAY, 1994 PART NO.			
NO.	00.20	211410	NEW 05 MAY, 1994 NO.			



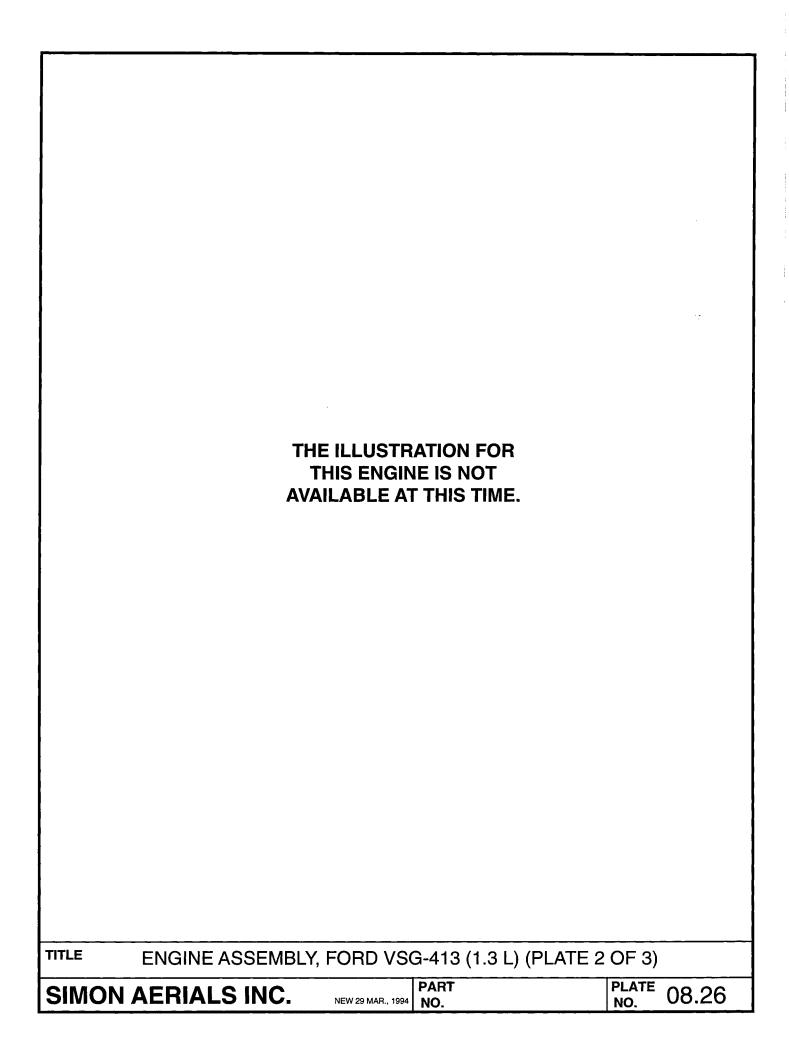
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
			The following items are not part of the Engine Assembly, but			
			are included with the Engine Group (see Plate 1):			
87	09-006500		MOUNT, ENGINE	4		
88 89	07-090168 07-061018		CAP SCREW, HEX HEAD (1/2"-13 x 4", Grade 8) WASHER, FLAT (1/2", hardened)	4		
90	07-058400		NUT, HEX LOCK (1/2"-13, Grade 8)	8 4		
91	2323090		PLATE, ENGINE MOUNTING	1		
92	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8		
93 94	07-062016 07-050016		WASHER, FLAT (3/8") NUT, HEX_LOCK (3/8"-16, Grade 5)	16 - 8		
95	01-215700		VALVE, MANIFOLD (Horsepower limiter)	-		
			(Not shown. Mounts to ground control station.)	1		
96	05-085000		HOSE, SUCTION (1-1/2") [Bulk item, order as needed.  24" (61 cm) required this application]	   A.R.		
97	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4		
98	05-006400		HOSE, FUEL LINE (1/4") [Bulk item, order as needed.			
99	09-004600		40" (102 cm) required this application]	A.R. 2		
100	07-003022		CLAMP, HOSE (Fuel line) (5/8") CAP SCREW, HEX HEAD (5/16"-18 x 5/8", Grade 5)			
			(to mount air cleaner to mounting bracket)	4		
101	07-062015		WASHER, FLAT (5/16")	4		
102	07-050015		(to mount air cleaner to mounting bracket) NUT, STOP (5/16*-18)	4		
			(to mount air cleaner to mounting bracket)	4		
103	09-037100		HOSE, FLEX (2") [Bulk item, order as needed.	, ,		
104	09-015000		34" (86 cm) required this application] CLAMP, HOSE (Air cleaner flex hose) (2-1/2")	A.R.		
.01	00 010000		SEAMN (1965) Williams Market (1967)	-		
	1.5					
TITLE	ENG	INE ASS	EMBLY, WISCONSIN W4-1770 (PLATE 4 OF 4)	!		
PLAT	E 08.25	SIMO	NAERIALS INC. NEW 05 MAY, 1994 NO.			
NO.	55.25	J	IN ALRIALS INC. NEW 05 MAY, 1994 NO.			



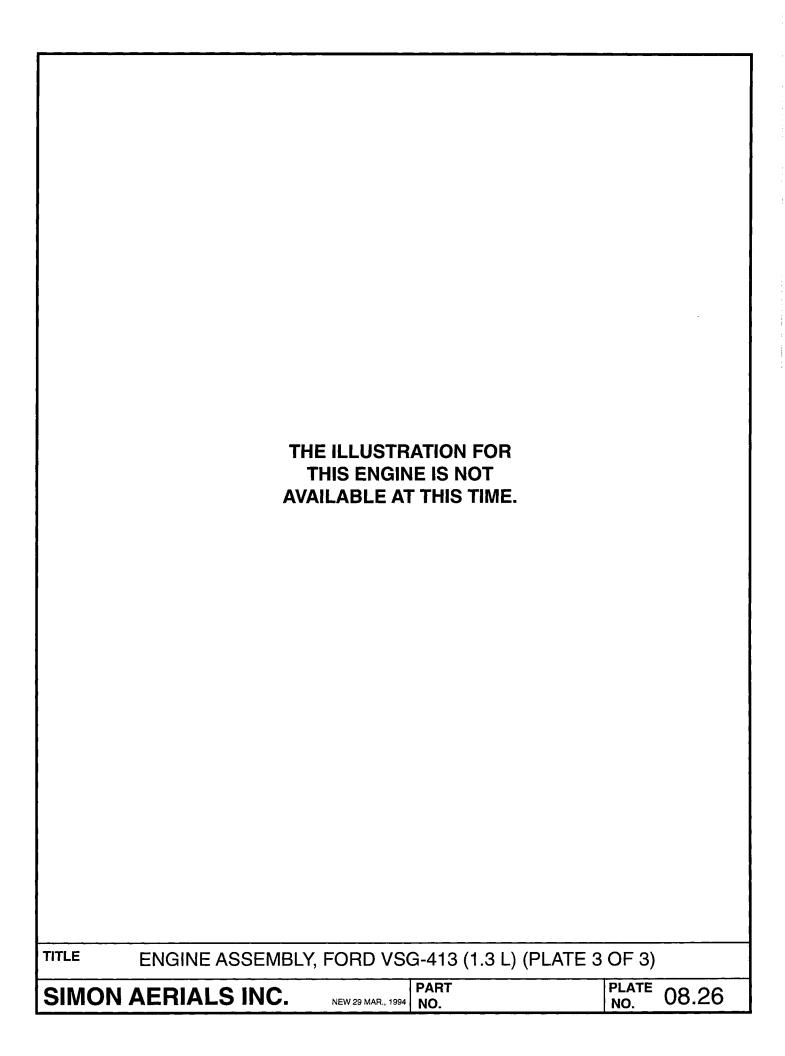
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
	3536860		ENGINE GROUP (Ford VSG-413 Gasoline)	1		
	3536870		ENGINE GROUP (Ford VSG-413 Dual fuel)	1		
1	3536520		ENGINE ASSEMBLY (Ford VSG-413 Gasoline)	1		
2	3536530		ENGINE ASSEMBLY (Ford VSG-413 Dual fuel) ENGINE (Ford VSG-413 liquid cooled four cylinder)	1		
	09-037900		42 HP (31 Kw), 1.3 L <b>gasoline</b> fueled	1		
	09-038000		42 HP (31 Kw), 1.3 L dual fuel	1		
3	2325460		PANEL, ACCESSORY	1		
4	03-051300		RELAY, SOLENOID (Single pole, single throw, continuous duty)			
5	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2		
6	07-060014		WASHER, FLAT (1/4" SAE)	2		
7	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2		
8	03-467500		RELAY, CHOKE (Single pole, single throw, 12 Volt DC,			
			normally open, sealed)	1		
9	03-469200		SOCKET, CHOKE RELAY	1		
10	03-468700		STRIP, TERMINAL (14 contact)	1		
11	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2		
12	07-050007		NUT, STOP (#6-32, Grade 5)	2		
13 14	07-062009 07-011345		WASHER, FLAT (#8) MACHINE SCREW, ROUND HEAD (#8-32 x 1")	2		
15	07-050009		NUT, STOP (#8-32, Grade 5)	2		
16	06-074600		TEE, STRAIGHT TO PIPE THREAD (1/8 MRO-S)	1		
17	06-084600		90° ELBOW, FEMALE PIPE THREAD (1/8 DD-S)	1		
18	06-199300		FITTING, COMPRESSION (68 CA-3-4)			
			(Straight, 3/16" tubing to 1/8" NPT)	1		
19	07-062016		WASHER, FLAT (3/8")	4		
20	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1		
21	06-074700		TEE, STRAIGHT TO PIPE THREAD (1/4 MRO-S)	1		
22	06-198700		FITTING, COMPRESSION (68 CA-3-4)			
00	05 000000		(Straight, 3/16" tubing to 1/4" NPT)	1		
23	05-082200		TUBING (Oil line) (3/16") (Bulk item, order as needed.)  [6 Ft (1.8 M) required this application]	A.R.		
24	03-452100		CYLINDER, CHOKE SOLENOID (12 Volt DC)	7.n.		
25	2147490		BRACKET, CHOKE SOLENOID	1		
26	10-110600		SPRING, CHOKE RETURN	1		
27	07-075414		ROLL PIN (1/8" x 1")	1		
28	2146700		BRACKET, THROTTLE CYLINDER	1		
29	07-003045		CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)	1		
30	07-060016		WASHER, FLAT (3/8" SAE)	2		
31	07-050016		NUT, STOP (3/8",-16, Grade 5)	1		
TITLE	ENGIN	NE ASSE	MBLY, FORD VSG-413 (1.3 L) (PLATE 1 OF 3)			
PLATI	E 00.00	01110	N A EDIAL C INC	····		
NO.	6 08.26	211/10	NAERIALS INC. NEW 29 MAR., 1994 NO.			



	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
32	2325880		ARM, THROTTLE LINK	1		
33	07-003004		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2		
34	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2		
35	09-032001		CLEVIS, CYLINDER (5/16"-24 thread)	1		
36	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	1		
37	07-050016		NUT, STOP (3/8"-16, Grade 5)	1		
38	09-039600		CYLINDER (Chicago SC-12-2V) 1			
39	07-003049		CAP SCREW, HEX HEAD (3/8"-16 x 2", Grade 5)	1		
40	07-050016		NUT, STOP (3/8"-16, Grade 5)	]		
41 42	06-201600 06-199300		90° ELBOW, STREET (Brass, 2202P-2-2) FITTING, COMPRESSION			
			(Straight, 3/16" tubing to 1/8" NPT)	4		
43	09-000405		VALVE, ENGINE SOLENOID (Skinner) (Throttle advance)	1		
44	06-198600		FITTING, COMPRESSION (169 CA-3-4)	1 ' 1		
' '	1		(90°, 3/16" tubing to 1/4" NPT)	2		
45	06-198700		FITTING, COMPRESSION (68 CA-3-4)			
			(Straight, 3/16" tubing to 1/4" NPT)	1		
46	07-008310		CAP SCREW, SOCKET HEAD (#10-32 x 3/4", Grade 5)	2		
47	07-065011		WASHER, HELICAL LOCK (#10)	2		
48	07-062009		WASHER, FLAT (#8)	2		
49	07-060014		WASHER, FLAT (1/4" SAE)	2		
50	×02-011500		PLATE, PUMP ADAPTER			
			(SAE #5 hsg. to SAE "C" pump)	1		
51	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	8		
52	07-065016		WASHER, HELICAL LOCK (3/8")	8		
53	03-074000		CABLE, BATTERY [Black, 9-3/4" (24.8 cm) long, 3/8" lugs]	1 1		
54	02-043700		COUPLING ASSEMBLY, PUMP	-		
55	07-003025		CAP SCREW, HEX HEAD (5/16"-18 x 1", Grade 5)	6		
56	07-065015		WASHER, HELICAL LOCK (5/16")	6		
57	01-206900	12.13	PUMP, HYDRAULIC	1		
58	07-004127		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)	4		
59	07-065021		WASHER, HELICAL LOCK (5/8")	4		
60	07-062021		WASHER, FLAT (5/8")	-4		
61	06-195700		90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	1		
62	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4		
63	07-065018		WASHER, HELICAL LOCK (1/2")	4		
64	06-202100		FITTING, FLANGED (4 bolt SAE #1, LI-16-16S-30)	1		
65	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2		
66 67	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)			
67	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)			
TITLE	ENGIN	VE ASSF	MBLY, FORD VSG-413 (1.3 L) (PLATE 2 OF 3)	•		
			DADT			
PLAT NO.	<sup>E</sup> 08.26	SIMO	NAERIALS INC. NEW 29 MAR., 1994 NO.			

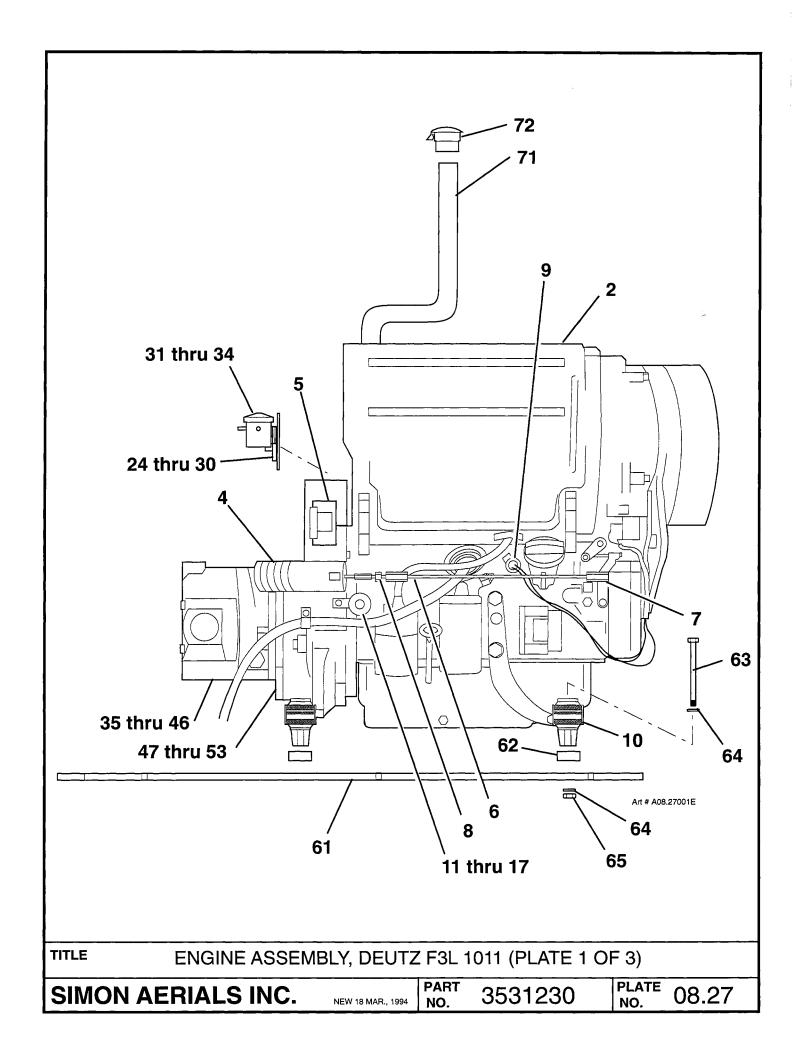


PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
			The following items are not part of the Engine Assembly, but		
			are included with the Engine Group:		
68	2325000		PLATE, ENGINE MOUNTING		
69 70	09-006500 - 2328940	-	MOUNT, ENGINE SPACER, ENGINE MOUNTING PLATE	4	
70 71	07-004094		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/4", Grade 8)	4 2	
72	07-004095		CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 8)	2	
73	07-061018		WASHER, FLAT (1/2", hardened)	8	
74	07-058400		NUT, HEX LOCK (1/2"-13, Grade 5)	4	
75	07-003046		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)	- 8	
76	07-062016		WASHER, FLAT (3/8")	16	
77	07-050016		NUT, HEX LOCK (3/8"-16, Grade 5)	8	
78	2326120		ADAPTER, MANIFOLD FLANGE	1	
79 <b>80</b>	No Part # 09-024700		ATTACHING PARTS, ADAPTER (come with engine) MUFFLER, ENGINE EXHAUST	A.R.	
81	09-003800		CLAMP, MUFFLER (1-3/4")	-	
82	2326310		BRACE, MUFFLER	1	
83	2326320		PIPE, EXHAUST	1	
84	09-015400		CLAMP, MUFFLER (2")	1	
85	10-003800		CAP, RAIN (2")	1	
86	11-085900		FABRIC, HIGH TEMPERATURE (60" wide) [Bulk item, order		
			as needed. 1 Ft <sup>2</sup> (31 cm x 31 cm) piece needed here]	A.R.	
87	09-014900		CLAMP, HOSE (5-1/2")	3	
88	01-215700		VALVE, MANIFOLD (Horsepower limiter)		
89	05-085000		(Not shown. Mounts to ground control station.) HOSE, SUCTION (1-1/2") [Bulk item, order as needed.		
09	05-065000		24" (61 cm) required this application]	A.R.	
90	09-015000		CLAMP, HOSE (Suction line) (2-1/2")	4	
91	05-006400		HOSE, FUEL LINE (1/4") [Bulk item, order as needed.		
			40" (102 cm) required this application]	A.R.	
92	09-004600		CLAMP, HOSE (Fuel line) (5/8")	2	
93	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)		
			[50 Ft (15.2 M) required this application]	A.R.	
94	03-088400		WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	۸D	
O.E	02.466200		[1 Ft (30 cm) required this application] WIRE, ELECTRICAL (Red, #10 AWG stranded) (Bulk item)	A.R.	
95	03-466300		[2 Ft (61 cm) required this application]	A.R.	
		ı	[211 (01 cm) required this application]	7.16	
TITLE ENGINE ASSEMBLY, FORD VSG-413 (1.3 L) (PLATE 3 OF 3)					
PLATE OO OO CIRAONI A EDIA I CINIO PART					
NO.	<sup>-</sup> 08.26	211/10	NAERIALS INC. NEW 29 MAR., 1994 NO.		

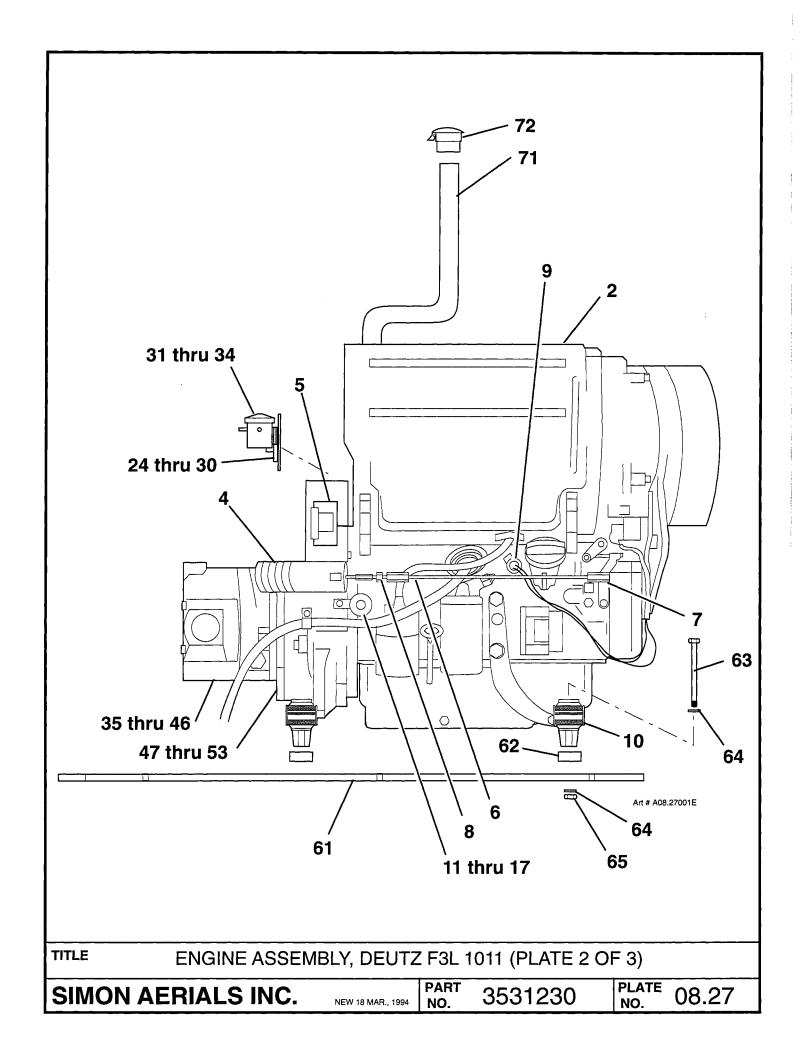


ſ	PARTS LIST					
	ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
ľ	1 64141	3537450	CLOTION	ENGINE GROUP (Deutz F3L 1011)	<u> </u>	
ŀ						
ļ	1	3531230	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ENGINE ASSEMBLY (Deutz F3L 1011)	1	
	2	09-044800		ENGINE, DIESEL (Deutz F3L 1011)		
		00.044004		[42 HP (31 Kw) @ 3,000 RPM, air cooled 3 cylinder)	1	
	3 4	09-044801 03-469400		SOLENOID, FUEL SHUTDOWN (comes with engine) SOLENOID, THROTTLE (does not include module)	1	
	5	03-456803		MODULE, THROTTLE (does not include module)	¦	
	6	03-469403		ROD, LINKAGE	1 1	
	7	03-469401		BALL JOINT (Straight)	1	
	8	03-469405		BALL JOINT (90°)	i and	
ď,	9			SWITCH, OIL PRESSURE (comes with engine)	. 1	
ł	10	09-006500		MOUNT, ENGINE	4	
	11 12	2305190 07-003004		BRACKET, MOUNTING (Oil pressure sending unit) CAP SCREW, HEX HEAD (1/4-20 x 7/8", Grade 5)	1 1	
	13	07-060014		WASHER, FLAT (1/4", SAE)	2	
	14	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	1	
	15	06-074600		TEE, STRAIGHT/ PIPE THREAD ADAPTER (2 MRO-S)	1	
ľ	16	06-199300		FITTING, COMPRESSION (Straight, 3/16" x 1/8")	1	
ł	17	09-052200		SENDER, OIL PRESSURE GAUGE (0-100 PSI)	1	
	18	05-081900		FUEL LINE (5/16") [Bulk item, order as needed.		
		A Park		9" (22.9 cm) needed this application]	A.R.	
	19	09-004600		CLAMP, WORM (1/4" to 5/8") (for fuel line)	2 2	
	20 21	07-062016 06-084600		WASHER, FLAT (3/8") ELBOW, FEMALE PIPE THREAD (2 DD-S)	1	
ı	22	06-199300		FITTING, COMPRESSION (Straight, 3/16" x 1/8")		
ł	23	05-082200		OIL PRESSURE LINE (3/16") [Bulk item, order as needed		
				16" (40.6 cm) needed this application]	A.R.	
	24	2169790		BRACKET, TERMINAL STRIP	1	
	25	07-005184		CAP SCREW, HEX HEAD (M 10 x 25 mm, Grade 8.8)	3	
ł	26	07-066006		WASHER, LOCK (10 mm)	3 3	
ı	27 28	07-060016 03-068000		WASHER, FLAT (3/8", SAE) BLOCK, TERMINAL (10 station)	1	
	29	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2	
	30	07-050007		NUT, STOP (#6-32, Grade 5)	2	
	31	03-051300		RELAY (Single pole, single throw)	1	
ľ	32	07-003002		CAP SCREW, HEX HEAD (1/4-20 x 5/8", Grade 5)	2	
	33	07-060014		WASHER, FLAT (1/4" SAE)	2	
	34	07-050014		NUT, HEX LOCK (1/4"-20, Grade 5)	2	
,						
ſ	TITLE	FN	IGINF A	SSEMBLY, DEUTZ F3L 1011 (PLATE 1 OF 3)		
ļ				,		
	PLATE NO. 08.27 SIMON AERIALS INC. NEW 18 MAR., 1994 NO. PART NO. 3531230					
Ĺ	NO.					

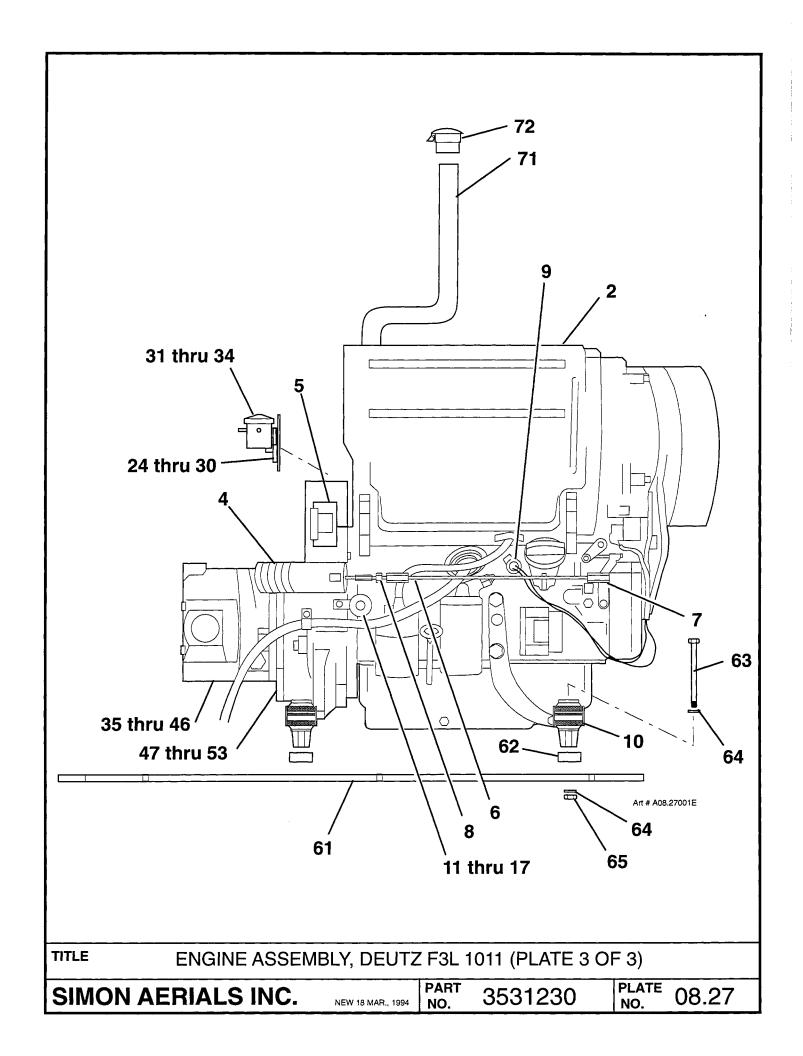
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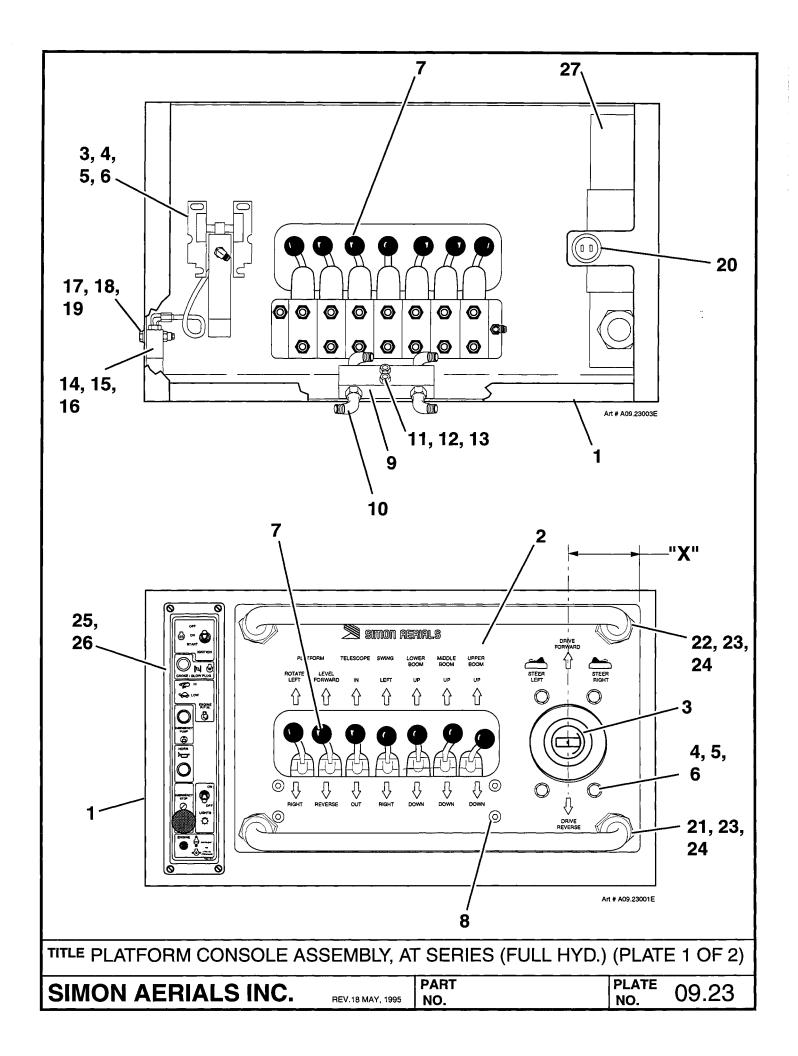
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
35	01-206900	12.13	PUMP, HYDRAULIC	1	
36	07-003126		CAP SCREW, HEX HEAD (5/8"-11 x 1-1/4", Grade 5)	4	
37 <b>38</b>	07-065021 07-060021		WASHER, HELICAL LOCK (5/8") WASHER, FLAT (5/8", standard)	4	
39	06-195700	-	90° FITTING, FLANGED (1-1/2" suction to 2" SAE)	-1	
40	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	4	
41	07-065018		WASHER, HELICAL LOCK (1/2")	4	
42	06-202100		FITTING, FLANGED (LI-16-16S-30)	1	
43	06-045600		90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)	2	
44	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F50X-S)	1	
45 46	06-044800 . 01-013700		90° ELBOW, STRAIGHT THREAD (8 C50X-S) VALVE, SOLENOID (2 way) (Pump unloading)	**	
47	02-011500		PLATE, PUMP ADAPTER [1/2" (13 mm) thick]	,	
``			SAE #5 (8 hole, 12-3/8" pilot) flywheel housing to		
			SAE "C" (2 hole, 5" pilot) pump mount	1	
48	07-005184		CAP SCREW, HEX HEAD (M 10 x 25 mm, Grade 8.8)	8	
49	07-066006		WASHER, LOCK (10 mm)	8	
50 51	03-074000 02-043700		CABLE, BATTERY [Black, 9-3/4" (25 cm) long, 3/8" lugs] COUPLING ASSEMBLY, PUMP	1	
52	07-005149		CAP SCREW, HEX HEAD (M8 x 25 mm, Grade 8.8)	6	
53	07-066005		WASHER, LOCK (8 mm)	6	
			Control of the contro		
			t family the property of the state of the st		
			<b>*</b>		
TITLE ENGINE ASSEMBLY, DEUTZ F3L 1011 (PLATE 2 OF 3)					
PLATE NO. 08.27 SIMON AERIALS INC. NEW 18 MAR., 1994 NO. 2531230					
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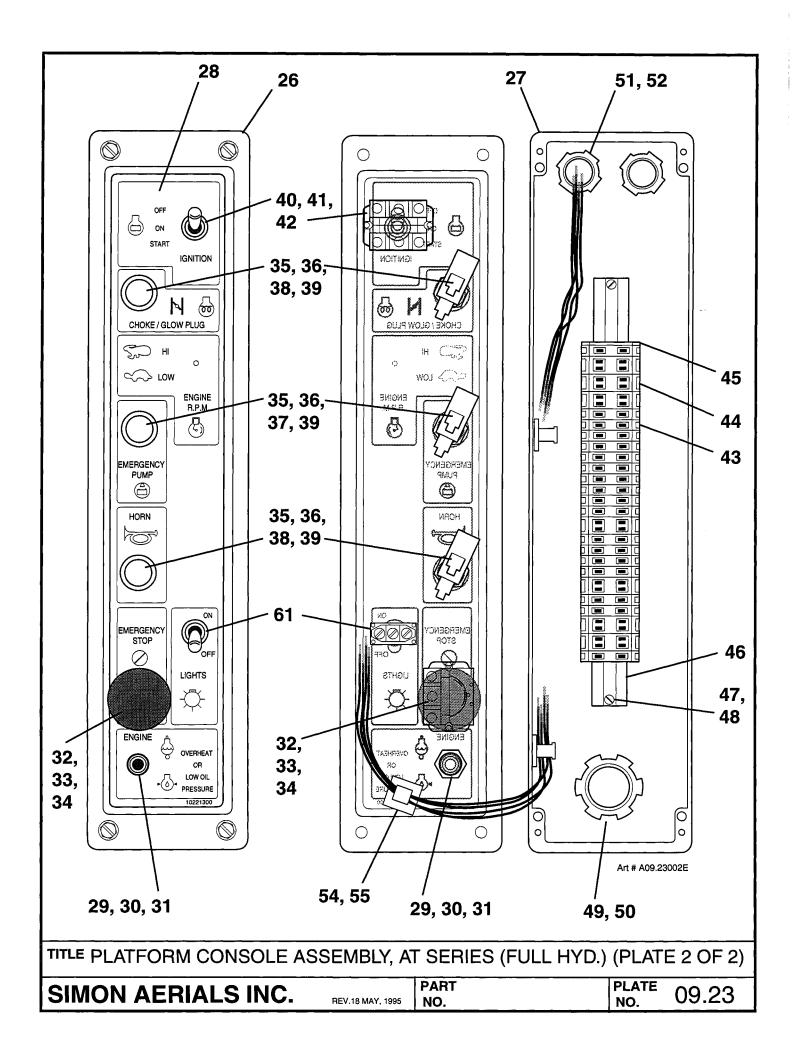
	PARTS LIST						
ITEN	A PART NO	SEE SECTION	DESCRIPTION	QTY.			
54	03-088300		WIRE, ELECTRICAL (Blue, #14 AWG) (Bulk item)				
55	03-088400		[25 Ft (7.6 M) required this application] WIRE, ELECTRICAL (Black, #14 AWG) (Bulk item)	A.R.			
	00 000400		[.5 Ft (150 mm) required this application]	A.R.			
56	03-455300		WIRE, ELECTRICAL (Black, #10 AWG stranded)				
	00 457000		(Bulk item) [.5 Ft (150 mm) required this application]	A.R.			
57	03-457200		WIRE, ELECTRICAL (Blue, #10 AWG stranded) (Bulk item) [6 Ft (1.8 M) required this application]	A.R.			
58	03-466300		WIRE, ELECTRICAL (Red, #10 AWG stranded)	/			
			(Bulk item) [1 Ft (30.5 cm) required this application]	A.R.			
59			DIODE *				
60	. 03-066900		LOOM, WIRE (1/2") (Bulk item, order as needed.) [5 Ft (1.5 M) required this application]	A.R.			
				/\.i\.			
			The following components, used in mounting the engine to				
			the superstructure, <b>are not</b> part of Engine Assembly				
			3531230, but are included with Engine Group 3537450:				
61	2324780		PLATE, ENGINE MOUNTING	1			
62			SPACER, ENGINE MOUNTING	4			
63			CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)	4			
64 65			WASHER, FLAT (1/2", hardened) NUT, STOP (1/2"-13)	8			
66			HOSE, SUCTION (1-1/2") [Bulk item, order as needed.				
			24" (61 cm) required this application]	A.R.			
67 68	09-015000 05-081900		CLAMP, HOSE (Suction line) (2-1/2") HOSE, FUEL LINE (5/16") [Bulk item, order as needed.	4			
00	03-081900		60" (1.5 M) required this application]	A.R.			
69	05-084700		HOSE, FUEL RETURN (1/8") [Bulk item, order as needed.				
	20.001000		40" (1.0 M) required this application]	A.R.			
70 71	09-004600 2325920		CLAMP, WORM (1/4" to 5/8") (for fuel line) PIPE, EXHAUST	4 1			
72	10-114400		CAP, RAIN (1-7/8")	1 1			
	100						
TITL	E EN	IGINE A	SSEMBLY, DEUTZ F3L 1011 (PLATE 3 OF 3)				
PLATE OF OF CIMON AFRIALS INC. PART 2521220							
No. 08.27 SIMON AERIALS INC. NEW 18 MAR., 1994 NO. 3531230							



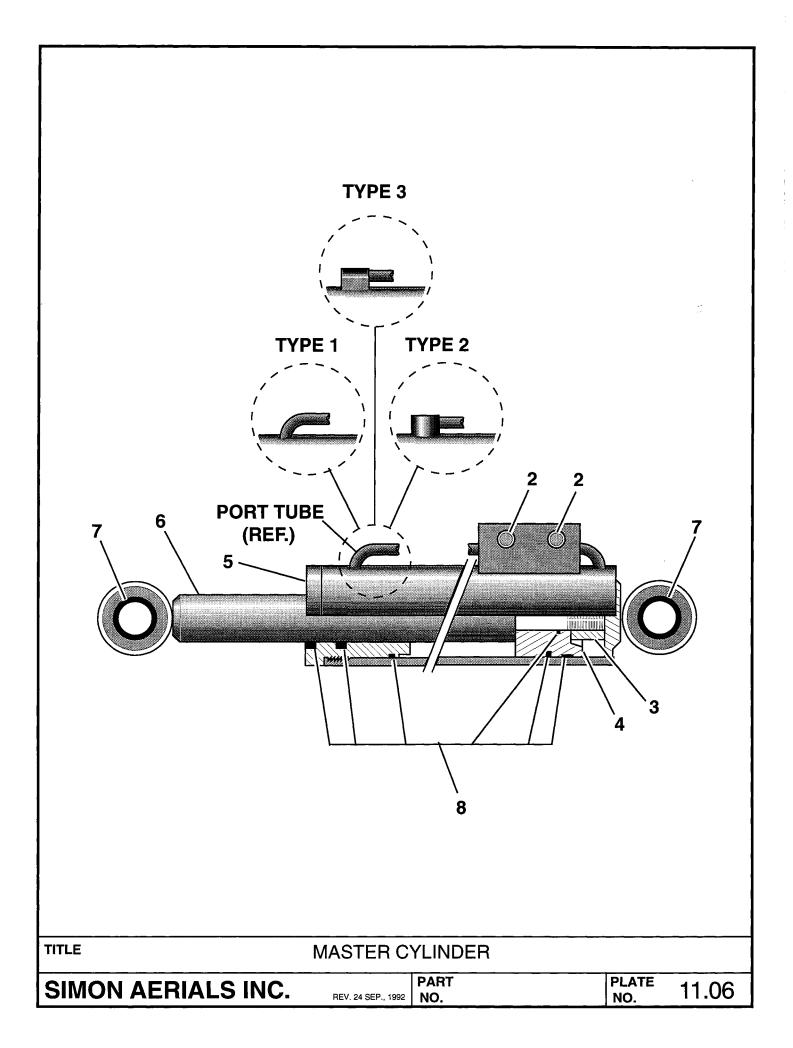
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
			PLATFORM CONSOLE ASSEMBLY		
	353 6740		for Model AT 45		
	354 2450		for Model AT 60		
1			CONSOLE WELDMENT, PLATFORM CONTROL	-4	
	231 9060	-	for some earlier AT 45's (Dim. "X" = 3-1/4" [83 mm])		
	233 8700		for later AT 45's and all AT 60's (Dim. "X" = 2-1/4" [57 mm])		
2			PLACARD, PLATFORM CONTROL VALVE	1	
	10-221400		Use with Console Weldment 231 9060 (see above).		
			Note: AT 45, S/N CDA 00149 and 150 require Placard		
			10-243900, even though original Placard is identified as 10-221400.		
	10-243900		Use with Console Weldment 233 8700 (see above)		
3	353 7440	29.08	VALVE, DRIVE CONTROL	1	
4	07-003004		CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)	4	
5	07-062014		WASHER, FLAT (1/4")	8	
6	07-050014		NUT, LOCK (1/4"-20, Grade 5)	4	
7	050 6040	06.06	VALVE BANK, PLATFORM CONTROL	1	
	353 6840 354 2440	06.26 06.29	for Model AT 45 for Model AT 60		
8	07-111500	00.29	CAP SCREW, BUTTON HEAD (5/16"-24 x 1")	4	
9	01-001900		VALVE, CHECK (Pilot operated)	1	
10	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	4	
11	07-004047		CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 8)	2	
12	07-062016		WASHER, FLAT (3/8")	4	
13 14	07-050016 01-034400		NUT, LOCK (3/8"-16, Grade 5) VALVE, 2 WAY (includes coil)	2	
15	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	•	
16	06-044600		ELBOW, STRAIGHT THREAD (6 C50X-S)	•	
17	07-003008		CAP SCREW, HEX HEAD (1/4"-20 x 1-3/4", Grade 5)	2	
18	07-062014		WASHER, FLAT (1/4")	4	
19	07-050014		NUT, LOCK (1/4"-20, Grade 5)	2	
20	03-501800		ALARM, TILT (Dual tone)	1	
21 22	232 2990 211 4330		FITTING, HAND REST MOUNTING (Modified 8 PNTX-S) FITTING, GRAB BAR MOUNTING (Modified 12 PNTX-S)	2	
23	07-003083		CAP SCREW, HEX HEAD (1/2"-13 x 3/4", Grade 5)	4	
24	07-065018		WASHER, HELICAL LOCK (1/2")	4	
25	07-029365		SCREW, TEK (#12-14 x 1", bonded, sealing head)	2	
TITLE	PI ATFORM	CONSC	DLE ASSEMBLY, AT SERIES (FULL HYD.) (PLATE 1 C	)F 2\	
PLATE NO. 09.23 SIMON AERIALS INC. REV.18 MAY, 1995 NO.					
110.					



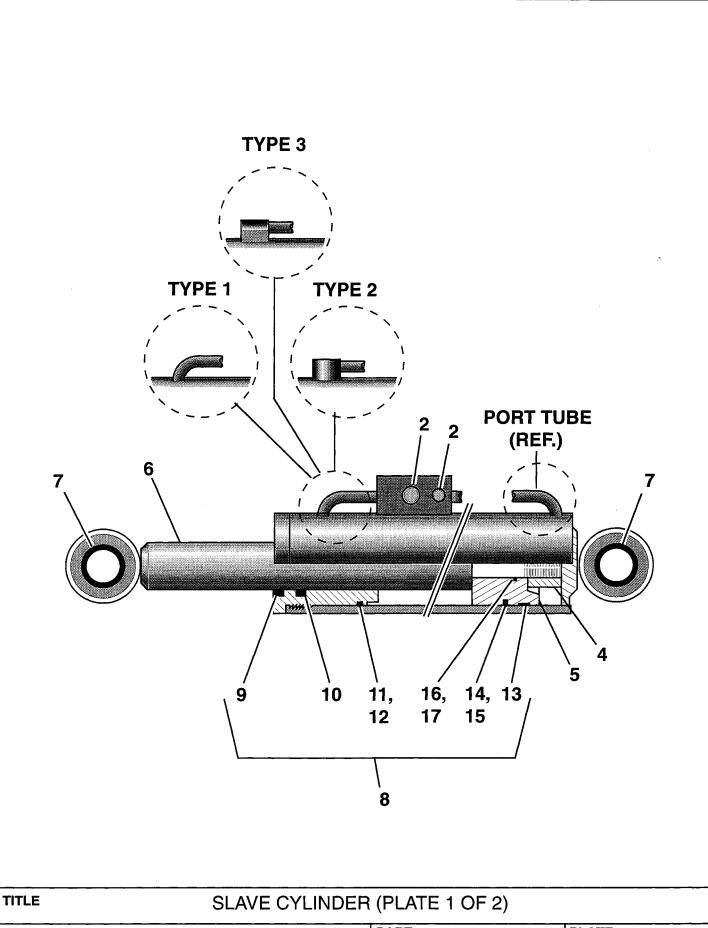
PARTS LIST						
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
26	353 6830		BOX ASSEMBLY, PLATFORM ELECTRICAL	1		
27	219 9360		BOX, ELECTRICAL (Drilled. Includes cover and screws)	1		
28	10-221300		DECAL, PLATFORM ELECTRICAL BOX	1		
29	03-481200		DIODE, BLINKING (Red L.E.D.) (Engine warning)	1 1		
30	03-481300		HOLDER, DIODE			
31 32	03-481100 03-702000		RESISTOR (470 Ohm) BUTTON, EMERGENCY STOP			
32	03-702000		(Red, "pull to release" type)	1		
33	03-454900		BASE, CONTACT BLOCK	1		
34	03-496300		BLOCK, CONTACT (Normally closed)			
35	03-402500		SWITCH (10 Amp, 250 Volt AC)	3		
36	03-402600		SEAL, SWITCH BEZEL	3		
37	03-402700		BUTTON, SWITCH (Red) (Emergency Pump)	1		
38	03-402800		BUTTON, SWITCH (Blue) (Horn) (Choke/ Glow Plug)	2		
39	10-151000		CAP (Black vinyl, 3/4" dia. x 1/2" long) (option)	3		
40	03-032600		SWITCH, TOGGLE (Engine start)			
			(3 position, 2 maintained and 1 momentary contact,	4		
41	03-454900		double pole, double throw) BASE, CONTACT BLOCK	1		
42	03-437300		BLOCK, CONTACT BLOCK BLOCK, CONTACT (Normally closed)			
43	03-036400		BLOCK, TERMINAL (2 conductor, #16-#24 ga. wire)	19		
44	03-036500		BLOCK, TERMINAL (4 conductor, #16-#24 ga. wire)	8		
45	03-036700		PLATE, TERMINAL BLOCK END	1		
46	03-036600		RAIL, TERMINAL [1 M (39.37") long section]			
			[9" (229 mm) long piece needed for this application]	1		
47	07-011334		MACHINE SCREW, ROUND HEAD (#6-32 x 3/4")	2		
48	07-050007		NUT, STOP (#6-32, Grade 5)	2		
49 50	03-063200 03-055600		GRIP, CORD (3/4", sealing) NUT, CONDUIT LOCK (3/4")	1		
51	03-045500		GRIP, CORD (1/2")	2		
52	03-055500		NUT, CONDUIT LOCK (1/2")	2		
53	03-439000		TIE, CABLE [3-5/8" (92 mm) long]	2		
54	03-064000		TIE, CABLE [6-3/4" (171 mm) long]	20		
55	03-064100		MOUNT, CABLE TIE (Adhesive backed)	5		
56	03-091200		TERMINAL, SPADE (locking, #6 stud, #14-#16 AWG)	9		
57	03-092200		COUPLING, MALE (insulated, #14-#16 AWG)	4		
58	03-092300		COUPLING, FEMALE (insulated, #14-#16 AWG)	10		
59	03-099000		TERMINAL, BUTT (Blue, #14-#16 AWG)	1		
60	03-497900		PLUG, PLASTIC (1/2" dia., "Panel seal",	A.R.		
61	03-020400		to fill unused toggle switch holes) SWITCH, TOGGLE (for optional lights)	Α.Π.		
7	00-020400		(2 position, maintained, single pole, single throw)	1		
			(= podmon) manageou, origin polo, origin under			
TITLE PLATFORM CONSOLE ASSEMBLY, AT SERIES (FULL HYD.) (PLATE 2 OF 2)						
DIATE						
NO.	<sup>•</sup> 09.23	SIMO	NAERIALS INC. REV.18 MAY, 1995 NO.			



			PARTS LIST	
ТЕМ	PART NO	SEE SECTION	DESCRIPTION	QTY.
1	04-028200		CYLINDER, MASTER (Type 1)	1
			Note: On a "Type 1" Cylinder, the port tube has a bend	
			at the end, and enters the cylinder side wall directly.  The cylinder serial number, which is stamped on the	
-			cylinder senai number, which is stamped on the cylinder side wall, has an "A" prefix.	
	04-030400	_	CYLINDER, MASTER (Type 2)	1
			Note: On a "Type 2" Cylinder, the port tube has no bend	
			at the end, and enters a <b>cylindrical boss</b> welded to the cylinder side wall. The six-digit cylinder serial number	
			stamped on the cylinder side wall has no "A" prefix.	
	04-032600		CYLINDER, MASTER (Type 3)	- 1
	***		Note: On a "Type 3" Cylinder, the port tube has no bend	
l			at the end, and enters a <b>round top boss</b> welded to the cylinder side wall. The serial number will be found on a	
		!	nameplate attached to the holding valve.	
			Note: When ordering a REPLACEMENT CYLINDER,	
			"Type 3" will be supplied.	
2			CARTRIDGE, HOLDING VALVE	
	04-028202		(for "Type 1" Cylinder)	2
	04-028202		(for "Type 2" Cylinder) (for "Type 3" Cylinder)	2
3	04-032602		NUT, LOCK (for "Type 3" Cylinder)	1
4	04-032603		PISTON (for "Type 3" Cylinder)	1
5	04-032604		HEAD (for "Type 3" Cylinder)	1
6	04-032605 04-032606		ROD (for "Type 3" Cylinder) BUSHING (for "Type 3" Cylinder)	
8	U-1 002000		SEAL KIT	
	04-028201		(for "Type 1" Cylinder)	1
1	04-030401		(for "Type 2" Cylinder)	1
	04-032601		(for "Type 3" Cylinder)	1
			The following items are not included as part of the Master	
			Cylinder Assembly:	
9	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X-S)	2
10	06-039300		CONNECTOR, STRAIGHT THREAD (4 F50X-S)	1
11	06-039500		ADAPTER (4-6 F50X-S)	1
12	08-050000		FITTING, GREASE (1/8", Straight)	
13 14	08-051300 08-066300		FITTING, GREASE (1/8" x 90°) CAP, GREASE (white plastic)	2
				·
TITLE			MASTER CYLINDER	
PLAT	E 11.06	SIMO	NAERIALS INC. REV. 24 SEP., 1992 PART NO	
NO.	11.00	CHIVIO	NACNIALS INC. REV. 24 SEP., 1992 NO.	



	,	, ·	PARTS LIST	
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY
1	04-028300	<u>JEOHON</u>	CYLINDER, SLAVE (Type 1)	-
-			Note: On a "Type 1" Cylinder, the port tube has a bend	
,			at the end, and enters the cylinder side wall directly.	
			The cylinder serial number, which is stamped on the	
			cylinder side wall, has an "A" prefix.	
	04-030500		CYLINDER, SLAVE (Type 2)	
			<b>Note:</b> On a "Type 2" Cylinder, the port tube has no bend at the end, and enters a cylindrical boss welded to the	
			cylinder side wall. The six-digit cylinder serial number	
			stamped on the cylinder side wall has <b>no "A" prefix.</b>	
	04-032700		CYLINDER, SLAVE (Type 3)	
			Note: On a "Type 3" Cylinder, the port tube has no bend	
			at the end, and enters a <b>round top boss</b> welded to the	
			cylinder side wall. The cylinder can also be identified by	
			the Part Number "04032700SH" on a nameplate located	
			on the valve block, along with the serial number.	
			Note: When ordering a REPLACEMENT CYLINDER,	
			"Type 3" will be supplied.	
Ī			Type o Will be eapplied.	
2			CARTRIDGE, HOLDING VALVE (Counterbalance Valve)	ļ
	04-028302		for "Type 1" Cylinder	1
	04-030502		for "Type 2" Cylinder	2
			for "Type 3" Cylinder	4
	04-028302		Type 3a (Valve is stamped "CB-C <b>G-LJN</b> ")	2
	01-227200	!	Type 3b [Valve is stamped "CB-C <b>B</b> -LHN", and set at	
			3,000 PSI (207 Bar) (211 Kg/ cm²)]  Note: "Type 1" and "Type 2" holding valves are	4
			directly interchangeable, but <b>must be replaced in</b>	
			pairs. When ordering a replacement holding valve,	
			(2) of "Type 3b" will be supplied unless otherwise	
			specified.	
3			SEAL KIT, COUNTERBALANCE VALVE	
	04-028303		(for Holding Valve for "Type 1" Cylinder)	
	04-028303 01-227201		(for "Type 3a" Holding Valve) (for "Type 3b" Holding Valve)	
4	04-032602		NUT, LOCK (for "Type 3" Cylinder)	
5	04-032603		PISTON (for "Type 3" Cylinder)	
6	04-032605		ROD (for "Type 3" Cylinder)	<u> </u>
7	04-028301		BUSHING (for "Type 1" Cylinder)	
	04-030504		BUSHING (for "Type 2" Cylinder)	
	04-032606		BUSHING (for "Type 3" Cylinder)	
l				<u> </u>
TITLE		9	SLAVE CYLINDER (PLATE 1 OF 2)	
PLAT	E 11.07	CIMO	NAERIALS INC. REV. 15 OCT., 1993 PART	
NO.	11.07	SIIVIU	NACRIALS INC. REV. 15 OCT., 1993 NO.	



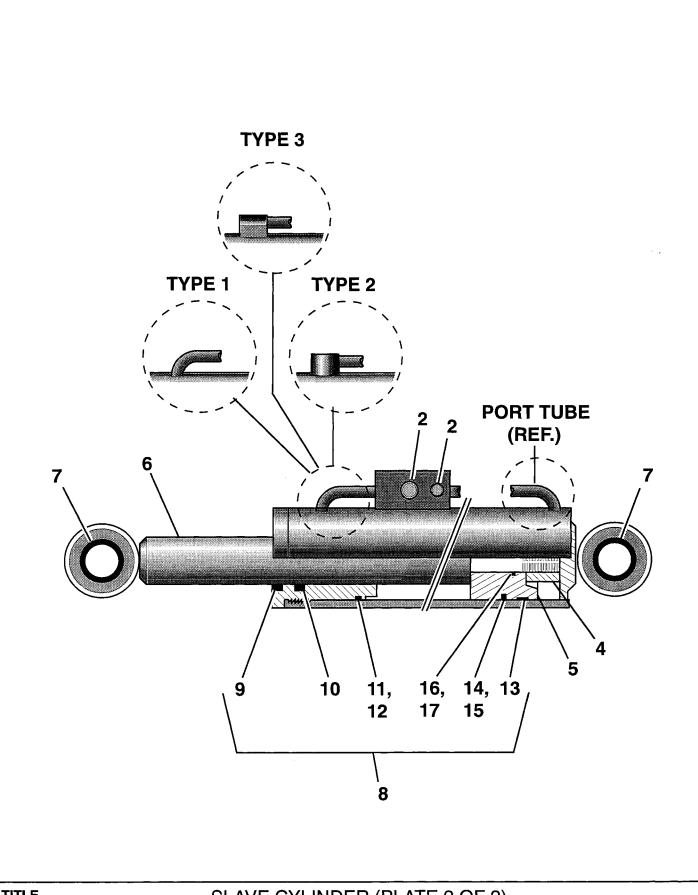
SIMON AERIALS INC.

REV. 15 OCT., 1993

PART NO. PLATE NO.

11.07

			PARTS LIST	· · · · · · · · · · · · · · · · · · ·
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
8	04-028201		SEAL KIT (for "Type 1" Cylinder)	1
	04-030401		SEAL KIT (for "Type 2" Cylinder)	1
9	04-032701		SEAL KIT (for "Type 3" Cylinder) WIPER, ROD	-
10			- SEAL, ROD	
11			"O"-RING	1
12			RING, BACKUP	1
13			RING, PISTON WEAR	1
14 15			"O"-RING SEAL, PISTON	1
16			"O"-RING	
17			WASHER, BACKUP	1
			The following items are not included as part of the Slave Cylinder Assembly:	
18	06-044400		ELBOW, STRAIGHT THREAD (4-6 C50X)	2
19 20	08-051300 08-066300		FITTING, GREASE (1/8" x 90°) CAP, GREASE FITTING (white plastic)	2
20	00-000500		OAL, GITEAGE ITT INVO (WITTE Plastic)	
	·			
TITLE			SLAVE CYLINDER (PLATE 2 OF 2)	
PLAT	E 11.07	SIMO	NAERIALS INC. REV. 15 OCT., 1993 PART	
NO.	11.07	SIIVIO	IN AERIALS INC. REV. 15 OCT., 1993 NO.	



TITLE

SLAVE CYLINDER (PLATE 2 OF 2)

SIMON AERIALS INC.

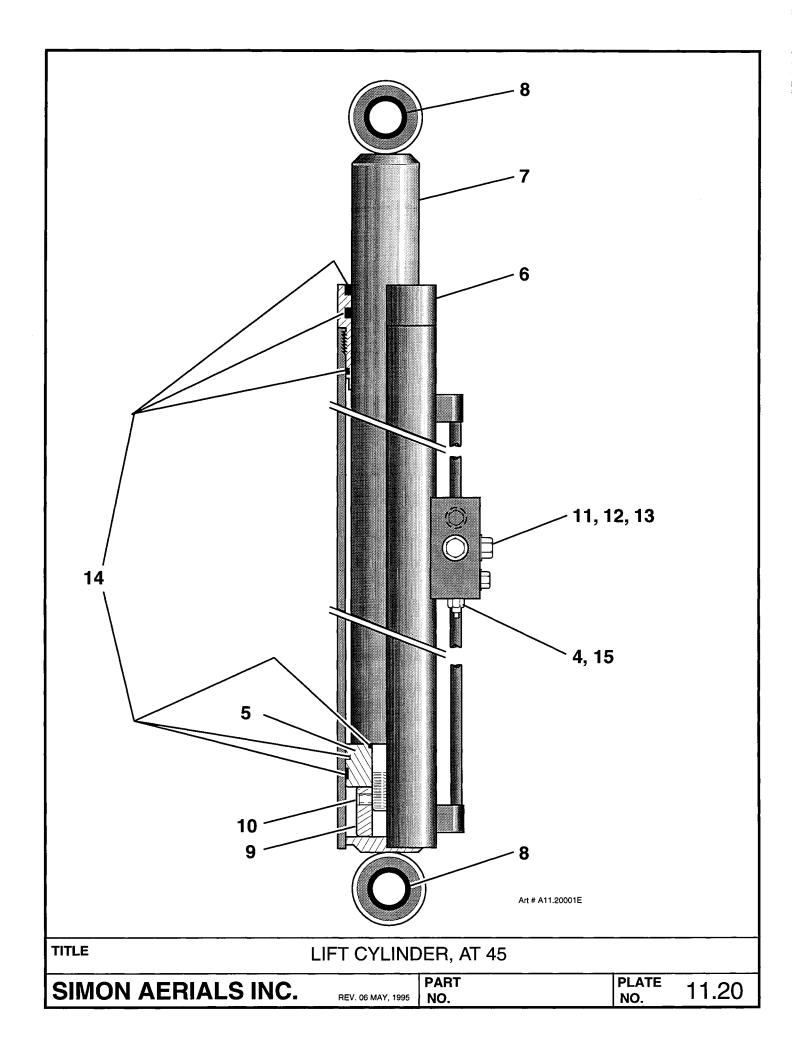
REV. 15 OCT., 1993

PART NO.

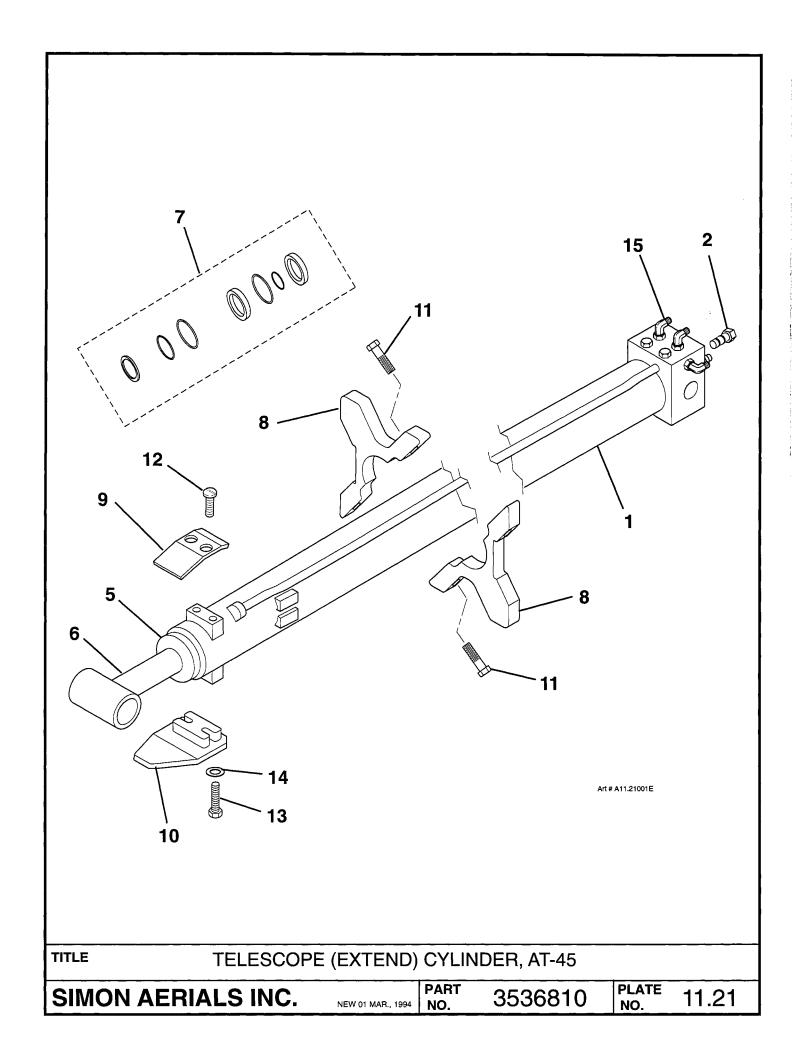
PLATE NO.

11.07

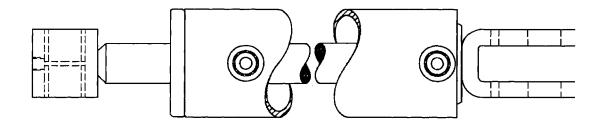
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCR	PTION		QTY.
1	_		CYLINDER ASSEMBLY, LIF	<b>-</b> T		1
	353 6780		for lower boom			
	353 6790		for upper boom for middle boom			
	- 353 6790	-	(with all <b>except</b> Ford LS	3-423 engine	1	
	No Part #		(when Ford LSG-423 en			
2	04-039700		CYLINDER, LIFT (3.00"			1
			(supercedes cylinders	•	l 232 2730, below)	
			CYLINDER, LIFT (Modifi	######################################	·	
	232 9140		for use only on <b>middle</b>			
			Ford LSG-423 engine			
	232 2730		for all other application		d by 04-039700)	4
3	04-037100		CYLINDER, LIFT (2.5	•	(Holding valve cart.)	'
+	04-028302				nped "CBCG-LHN",	
	04 020002				Bar] [211 Kg/ cm²])	2
	04-039702				nped "CBCG-LJN",	_
			•		Bar] [274 Kg/ cm²])	1
5	04-033103		PISTON			1
6	04-033104		GLAND, HEAD			1
7	04-033105		ROD, CYLINDER			1
8	04-033106		BUSHING			4
9	232 2720		SPACER, INTERNAL 2.12" (54 mm) long,		22 2720 (chown)	-
	232 9150		4.19" (106 mm) long	4	***************************************	1
10	07-023019	,	SET SCREW, SOCK		202 0140	•
			(1/4"-20 x 3/8", Grad			1
11	06-044400		ELBOW, STRAIGHT TH	READ (4-6 C	50X-S)	
			when used on lower bo			2
			when used on middle a		oms	4
12	08-051300		FITTING, GREASE (1/8"			2
13 14	08-066300 04-033101		CAP, GREASE FITTING SEAL KIT, CYLINDER			2
15	04-033101		SEAL KIT, COUNTERBALA	NCE VALVE		1
	04 020000		OL, IL IVI, OCON, LIBRER	THE THE PARTY OF T		
TITLE			LIFT CYLINDER, A	Γ 45		
PLAT	E 1100	CINAC	N AEDIAL CINC		PART	
NO.	<sup>=</sup> 11.20	211/10	N AERIALS INC.	REV. 06 MAY, 1995	NO.	

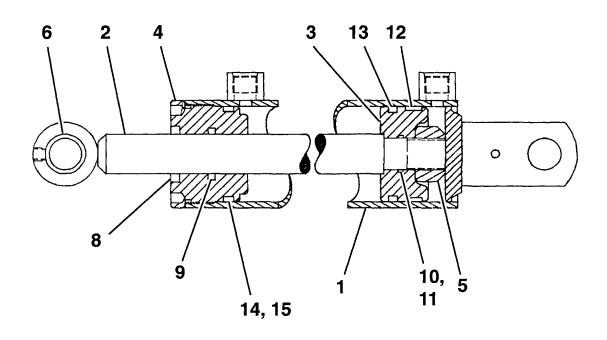


			PARTS LIST			
ITEM	PART NO	SEE SECTION		RIPTION		QTY.
1 2	04-033000 04-028302		CYLINDER, TELESCOPE CARTRIDGE, COUNT		^! \/⊏	
_	04-020302		(stamped "CBCG-LH		ALVE	2
3	04-032602		NUT, LOCK	A production and the		1
4 5	04-033002 04-033003		PISTON + HEAD			
6	04-033004		ROD			1
7 8	04-033001 2324620		SEAL KIT GUIDE, CYLINDER (Half)			1 2
9	2145460		GUIDE, CYLINDER (Top)			1
10 11	2324630 07-003089		GUIDE, CYLINDER (Botto CAP SCREW, HEX HEAD		rade 5)	1 2
12	07-090131		CAP SCREW, FLAT HEA	D (3/8"-16 x 3/4"	, Grade 8)	2
13 14	07-003046 07-060016		CAP SCREW, HEX HEAD WASHER, FLAT (3/8" SAI	•	", Grade 5)	2 2
15	06-044600		90° ELBOW, STRAIGHT		X-S)	3
			and the second of the second of the second		Commence of the Commence of th	
		i				
				2		
TITLE		TELES	SCOPE (EXTEND) CYL	INDER, AT-45	j	
PLAT	E 11.01	<u>r</u>			DADT	$\overline{}$
NO.	<sup>E</sup> 11.21	PINIO	N AERIALS INC.	NEW 01 MAR., 1994	NO. 353681	V



	· · · · · · · · · · · · · · · · · · ·		PARTS LIST	
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
			Cylinder can be identified by Part Number "04035200SH" stamped on cylinder case, side opposite fittings.	
	000000000000000000000000000000000000000			
1 2			CASE WELDMENT, CYLINDER ROD WELDMENT, CYLINDER	1
3			PISTON	1
4 5			GLAND, HEAD NUT, LOCK (1"-14)	1
6			BUSHING	4
7 8	,04-035201		SEAL KIT	1
9			WIPER, ROD SEAL, ROD	1
10			"O"-RING	1
11 12			RING, BACKUP RING, PISTON WEAR	2
13			SEAL, PISTON	1
14 15			"O"-RING WASHER, BACKUP	1
TITLE		STE	ER CYLINDER, 10" (25.4 CM) STROKE	
PLAT	E 11.22		N AEDIALS INC	200
NO.	11.22	SIIVIO	IN AERIALS INC. NEW 11 MAR., 1994 NO. U4-U332	.00





TITLE

STEER CYLINDER, 10" (25.4 CM) STROKE

SIMON AERIALS INC.

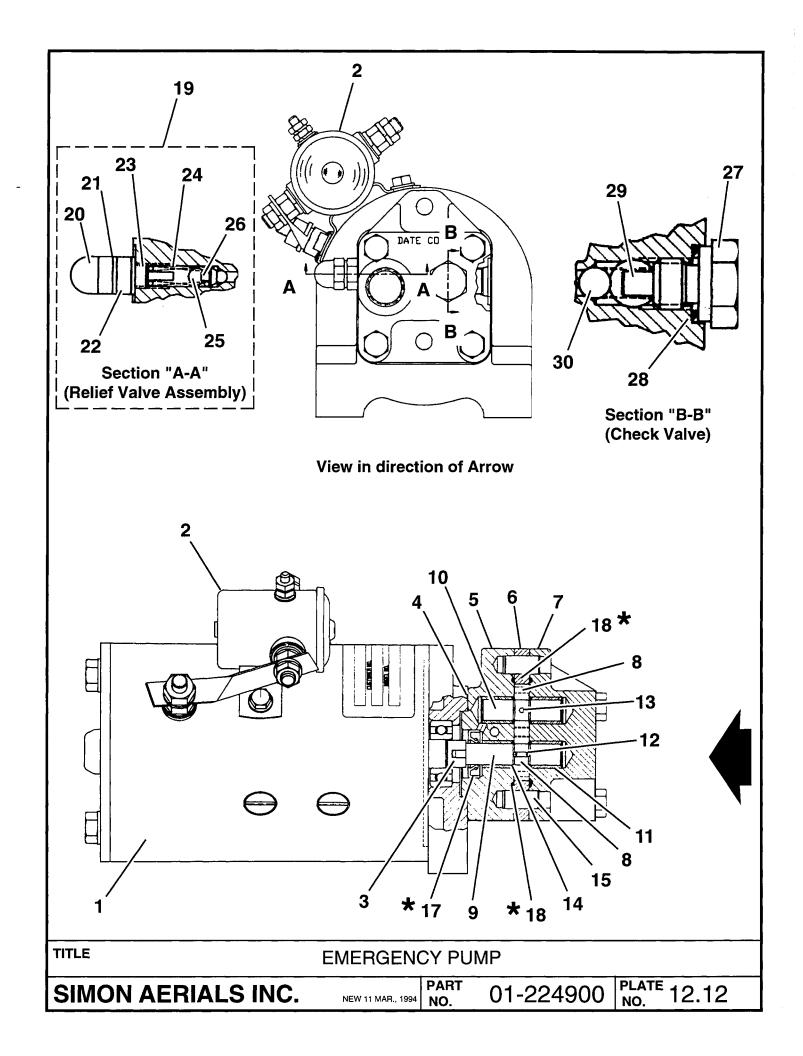
NEW 11 MAR., 1994

PART NO.

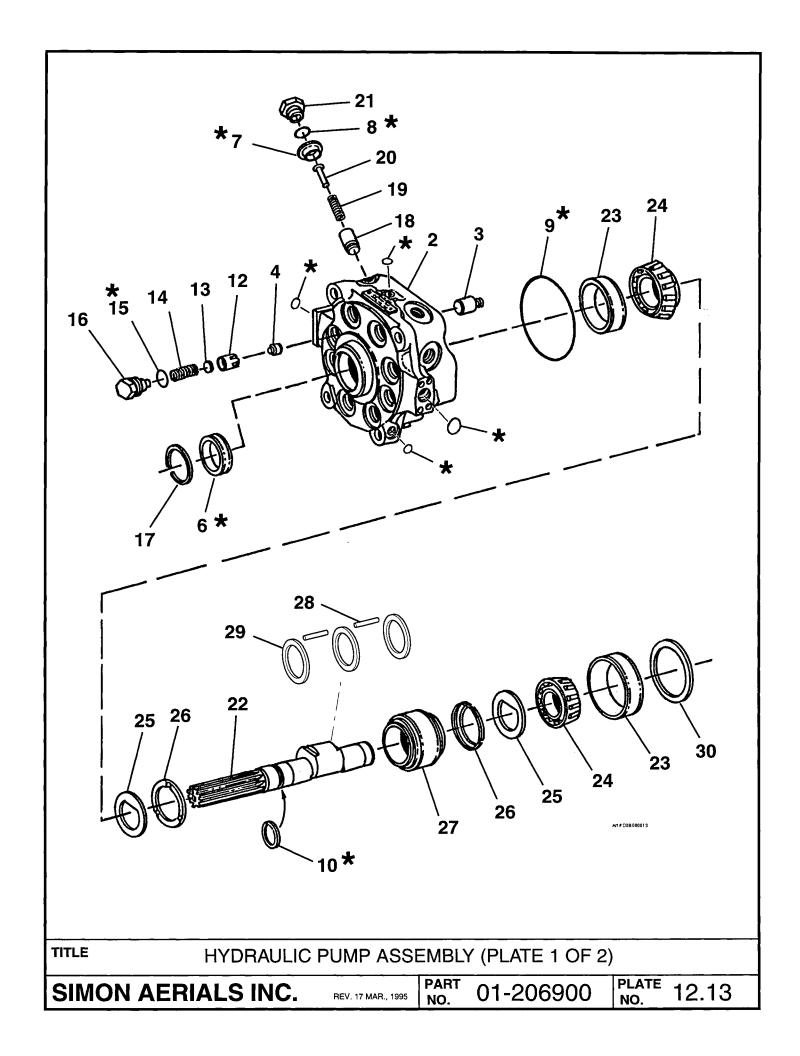
04-035200

PLATE 11.22

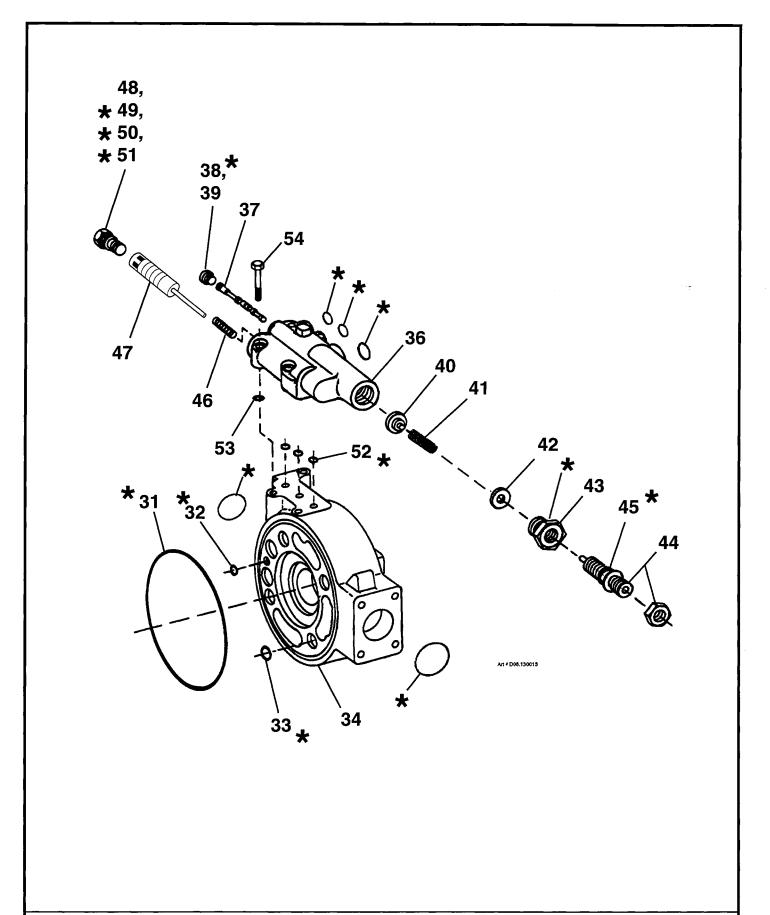
			PARTS LIST	
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1			MOTOR, ELECTRIC PUMP	1
2	01-027205		RELAY, SOLENOID COUPLING, PUMP	1 1
_ 4	01-027202		GASKET, PUMP	1
5			PLATE, DRIVE	- 1
6 7			CASE PLATE, END	1
8		;	GEAR	2
9			SHAFT, DRIVE	1
10 11	1.5		SHAFT, IDLER BEARING	4
12			KEY, DOWEL	1
13 14			BALL RING, RETAINING	1 4
15			PIN, DOWEL	2
16			SEAL KIT	1
17			Note: Items in seal kit are identified by asterisk (*). SEAL, SHAFT	1
18	*		O-RING	4
19			RELIEF VALVE ASSEMBLY	1
20 <b>21</b>			NUT, ACORN GASKET, METAL	1
22			NUT, HEX JAM	1
23			SCREW, ADJUSTING	1
24 25			SPRING GUIDE, SPRING	1
26			BALL	1
27 28			CAP, VALVE WASHER, SEALING	1
29			SPRING	1
30			BALL	1
			ng managan nganggan nganggan Nganggan nganggan ng	
TITLE			EMERGENCY PUMP	
PLAT		01116	DART	
NO.	<sup>1</sup> 12.12	SIMO	NAERIALS INC. NEW 11 MAR., 1994 NO. 01-2249	00



	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
11 - 141	01-206900	SECTION	PUMP ASSEMBLY, HYDRAULIC (HPR 40)	<u> </u>		
Į,			Pump marked "*ROPV 312 XXXXXX*" and "24 71 R11531"	1		
	01-019500		PUMP ASSEMBLY, HYDRAULIC (HPR 50)			
			Pump marked "*ROPV 322 XXXXXX*" and "24 72 R11531"	1		
•						
1			HOUSING ASSEMBLY, PUMP	1		
2			HOUSING, PUMP	1		
3	01-019519		VALVE, INLET	8		
4	01-019518		SEAT, DISCHARGE VALVE	8		
5	01-018707		SEAL KIT (components indicated by asterisks, page 1 and 2)	1		
6	01-002605	4	SEAL, OIL	1		
7	04 040540	*	SHIELD (plastic)	8		
8 9	01-019512 01-018704	*	"O"-RING	8		
10	01-018705	*	"O"-RING, CENTER HUB RING, SEALING			
11	01-010703		VALVE, DISCHARGE	8		
12	01-019517		GUIDE, VALVE	1		
13	01-018715		DISC, DISCHARGE VALVE	1		
14	01-019516		SPRING	1		
15	01-019515	*	"O"-RING	1		
16			PLUG, DISCHARGE VALVE	1		
17	01-019503		RING, SNAP	1		
18	01-019514		PISTON	8		
19	01-019513		SPRING, PISTON	8		
20	01-019520	·	PIN, COOLING	8		
21			PLUG, PISTON	8		
22			SHAFT, PUMP (for HPR 40)	1		
00	01-019506		SHAFT, PUMP (for HPR 50)	1		
23	01-019504 01-019505		CUP, PUMP SHAFT BEARING CONE AND ROLLER, PUMP SHAFT BEARING	2 2		
24 25	01-019505		SPACER	2		
26	01-019510		WASHER, THRUST	2		
27	01-019508		RACE, BEARING	1 1		
28	01-019507		ROLLER, NEEDLE	50		
29	01-019521		SPACER, NEEDLE ROLLER	3		
30	01-019509		SHIM (0.15 mm)	A.R.		
			SHIM (0.25 mm)	A.R.		
	•					
TITLE	<b>Ξ</b>	HYDRA	AULIC PUMP ASSEMBLY (PLATE 1 OF 2)			
PLAT	E 12.13	SIMO	NAERIALS INC. REV. 17 MAR., 1995 NO. 01-2069	200		
NO.	14.10	Cilvio	IN ACRIALS INC. REV. 17 MAR., 1995 NO. UT-2008	, 00		



			PARTS LIST	_
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
5 31	01-018707 01-018711	*	SEAL KIT (components indicated by asterisks, page 1 and 2) PACKING, INLET HOUSING TO PUMP HOUSING	1
32		*	PACKING, HIGH PRESSURE PASSAGE	1
33 34			PACKING, BOLT PASSAGE HOUSING, PUMP INLET	1
35 36	01-019502		VALVE ASSEMBLY, CONTROL HOUSING, PRESSURE COMPENSATOR	1 1
37	!		VALVE, PRESSURE COMPENSATOR CONTROL	1
38 <b>39</b>		*	"O"-RING PLUG, PRESSURE COMPENSATOR	1 1
40			GUIDE, SPRING	1
41 42		*	SPRING, PRESSURE COMPENSATOR WASHER	1 1
43			PLUG, ADJUSTING	1
44 45		*	SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING "O"-RING	1
46			SPRING, CRANKCASE RELIEF VALVE	1
47 48			VALVE, EXTERNAL CONTROL PLUG, DESTROKE	1 1
49		*	"O"-RING	1
50 51		*	"O"-RING PLUG	1
52		*	PACKING, PRESSURE	3
53 54		*	SHIM, PRESSURE COMPENSATOR HOUSING CAP SCREW, HEX HEAD	A.R.
			ON CONEW, HEXTIEND	
TITLE	HYDRAL	JLIC PU	MP (UNITIZED CONTROL VALVE) (PLATE 2 OF 2)	<b>.</b>
PLAT	-		NI AEDIAL CINC PART O1 2060	200
NO.	12.10	CIIVIC	IN ACRIALS INC. REV. 17 MAR., 1995 NO. UT-2008	



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

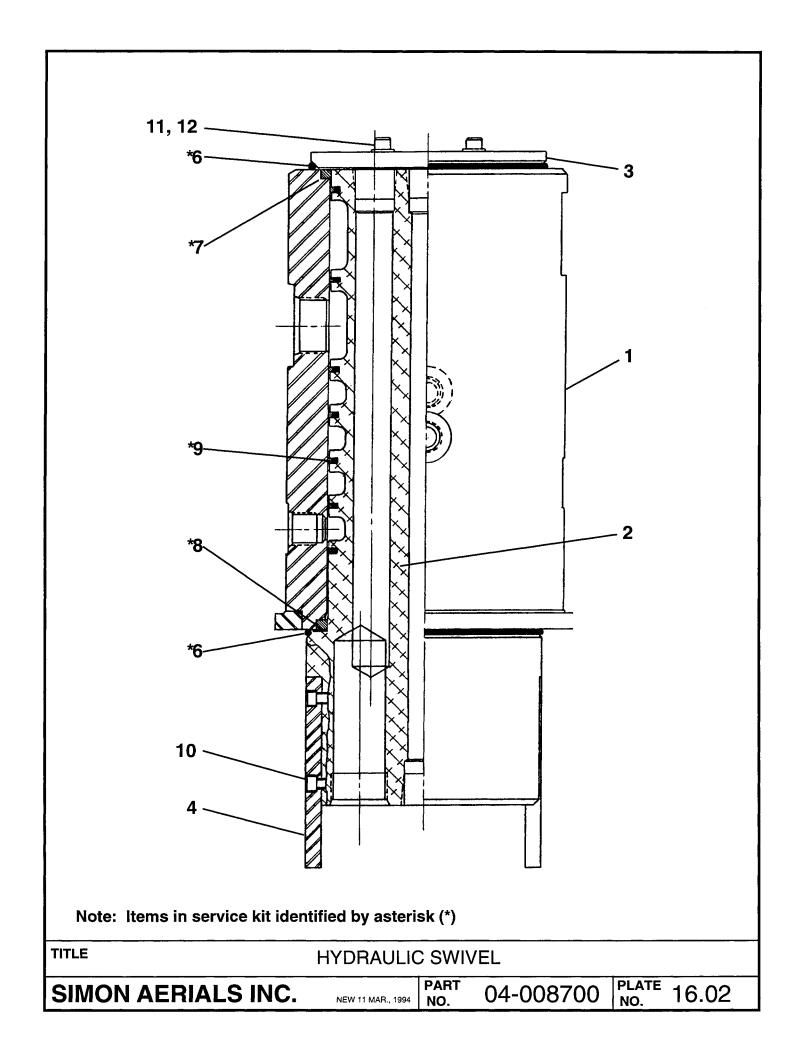
SIMON AERIALS INC.

REV. 17 MAR., 1995

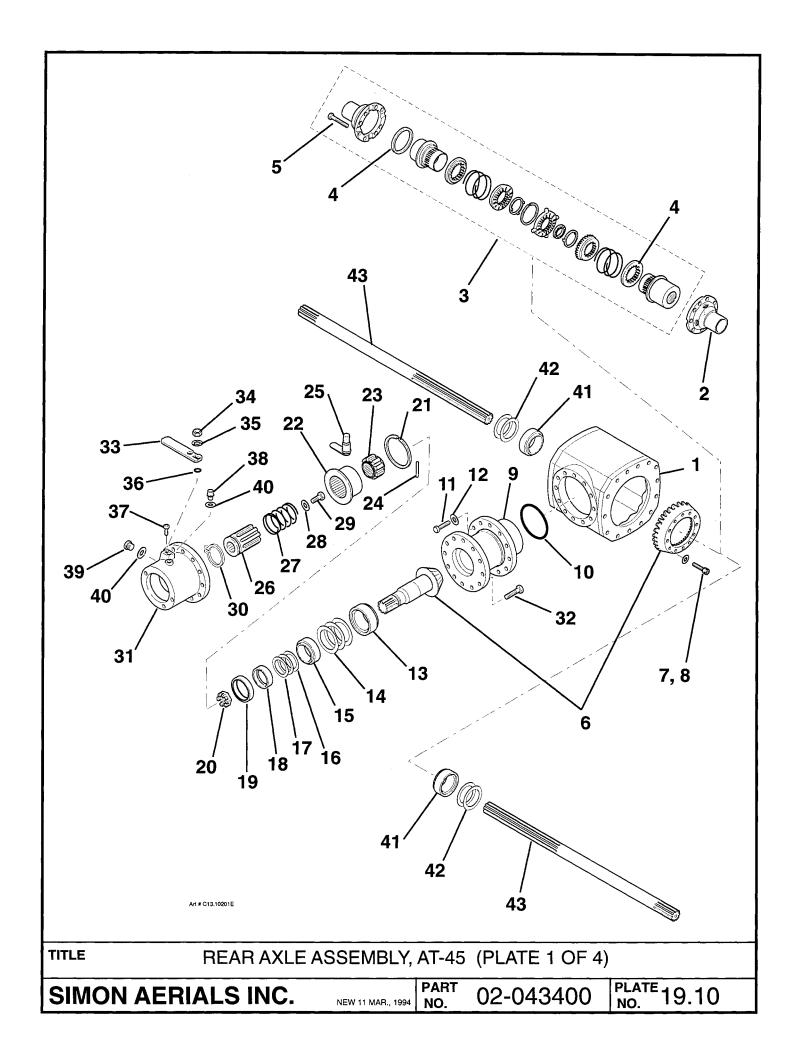
PART NO. 01-206900

PLATE 12.13

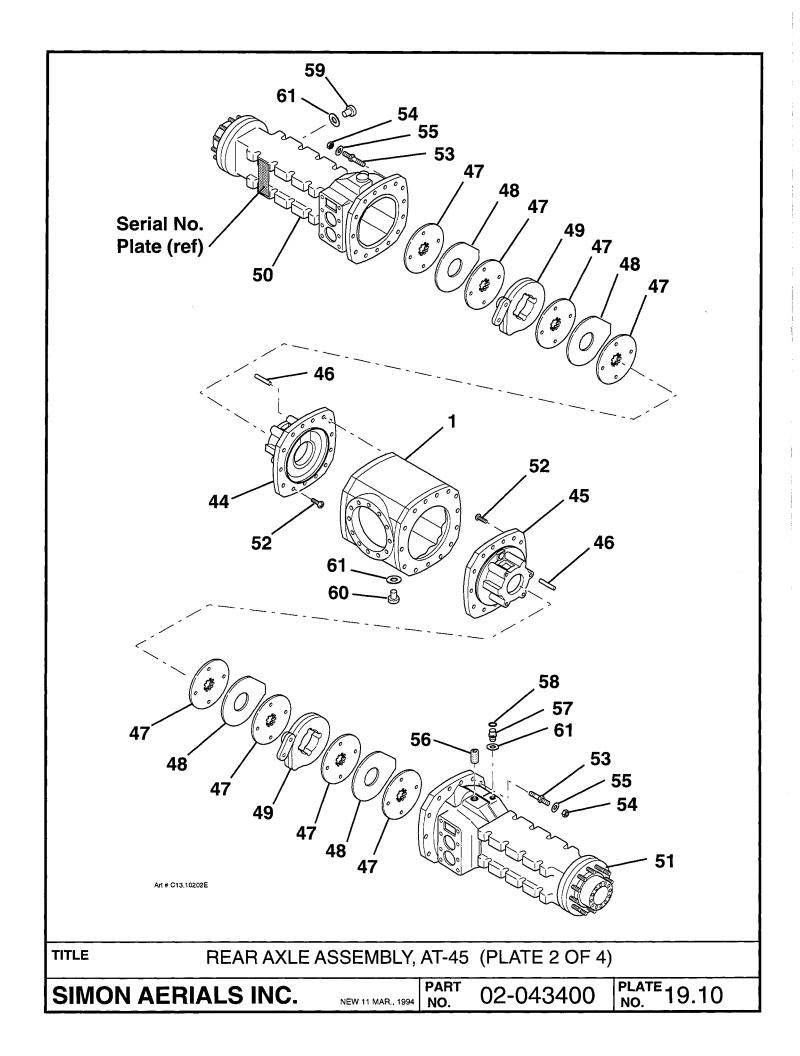
		r	PARTS LIST	
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
1 2 3 4 5 6*	04-008703 04-008702	-	HOUSING SPOOL RETAINER PLATE ARM, TORQUE SERVICE KIT, HYDRAULIC SWIVEL Note: Items in service kit identified by asterisk (*). "O"-RING	1 1 1 2 2
9* 10 11 12	04-008701 `04-008704		RING, WEAR RING, WEAR RING, WEAR SEAL KIT [consists of (7) "O"-Rings and (7) Slipper seals] CAP SCREW, SOCKET HEAD CAP SCREW, SOCKET HEAD WASHER, LOCK	1
				1895
TITLE			HYDRAULIC SWIVEL	
PLATI	E 16.02	SIMO	NAERIALS INC. NEW 11 MAR., 1994 PART NO. 04-0087	00



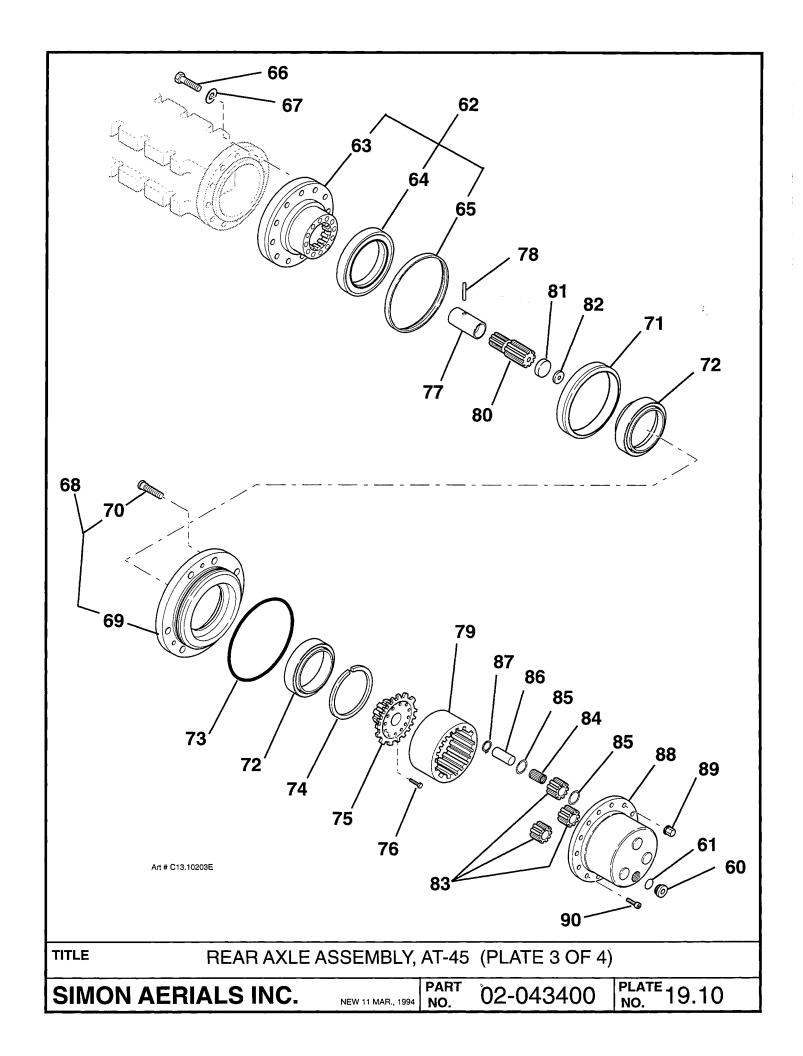
TEM	<b>PART NO</b> 02-043400	SEE SECTION	DECODIDEION	
4	02-043400		DESCRIPTION	QTY.
			AXLE ASSEMBLY, REAR (418R/81)	1
	00.020664		HOUSING AVIE DIEFEBENTIAL	
2	02-039664 02-039742		HOUSING, AXLE DIFFERENTIAL CASE HALF, DIFFERENTIAL	1
3	02-039711		DIFFERENTIAL, "NO-SPIN" (includes washers)	1
4	02-039697		WASHER (Differential side gear)	2
5	02-039729		BOLT (Differential side gear)	8
6	02-039712 02-039732		GEAR SET, AXLE RING AND PINION SHOULDER BOLT, RING GEAR (M 10 x 25 mm)	1 12
8	_02-039732		WASHER, DIFFERENTIAL HOUSING	12
9	02-039743		HOUSING, PINION	1
10-	02-039613		"O"-RING (Pinion housing)	1
11	02-039615		BOLT (Pinion flange)	10
12	02-039678		WASHER (Pinion flange)	24
13   14	02-039628		BEARING, TAPERED ROLLER (Pinion rear)	3
14	02-039666 02-039667		SHIM, PINION BEARING (Rear) SHIM, PINION BEARING (Rear)	3
15	02-039629		BEARING, TAPERED ROLLER (Pinion front)	1
16	02-039674		"O"-RING (Pinion front)	1
17	02-039747		SHIM, PINION BEARING (Front)	2
	02-039756		SHIM, PINION BEARING (Front)	2
	02-039757		SHIM, PINION BEARING (Front)	2
18 19	02-039748 02-039661		SPACER, PINION SEAL SEAL, PINION OIL	
20	02-039620		NUT, PINION LOCK RETAINING	1
21	02-039725		RING, RETAINING (Snap ring)	2
22	02-039761	'	SLEEVE, OUTER (Hydraulic motor disconnect)	1
23	02-039759		SLEEVE, ENGAGING (Hydraulic motor disconnect)	1
24	02-039683		PIN, SPLINED	1 !
25	02-039741		PIN, MOTOR DISCONNECT	1
26	02-039760		SLEEVE, INNER (Hydraulic motor disconnect)	
		ŀ		}
TITLE		REAR	AXLE ASSEMBLY, AT-45 (PLATE 1 OF 4)	
LATE	19.10	SIMO	NAERIALS INC. NEW 11 MAR., 1994 NO. 02-0434	100



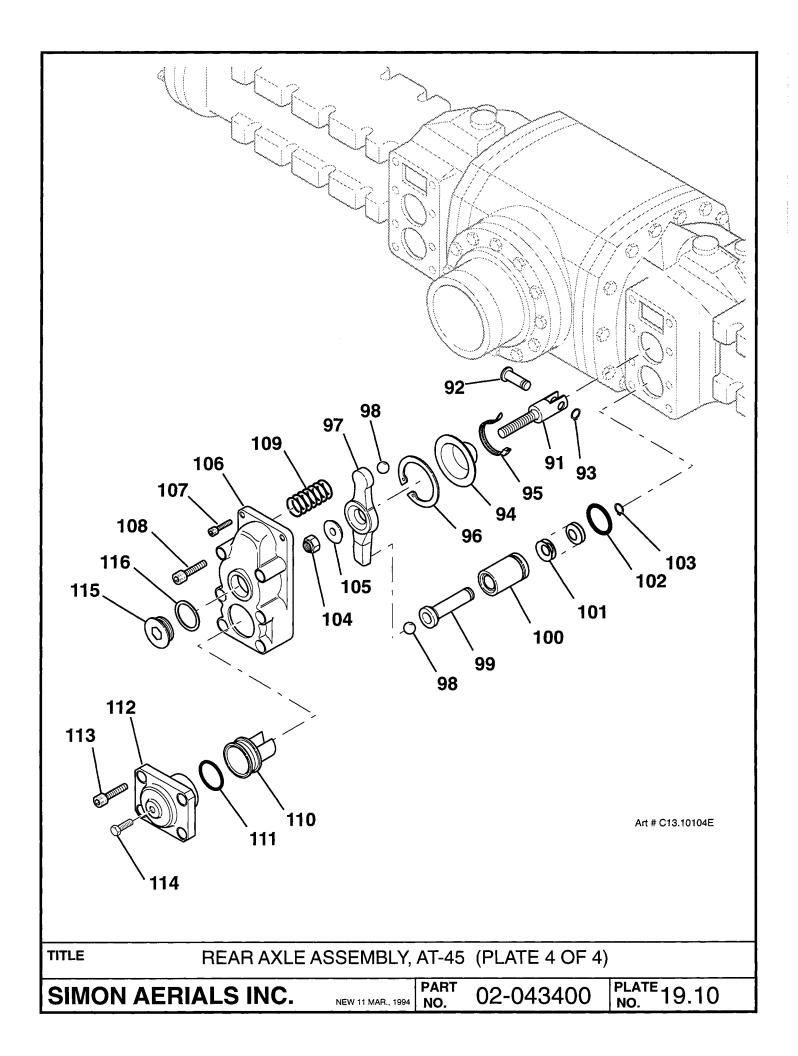
			PARTS LIST	
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.
27	02-039764		SPRING	1
28	02-039749		SPACER	1
29			BOLT	1
30	02-039724		RING, RETAINING (Snap ring)	1
31	02-039739	_	HOUSING, HYDRAULIC MOTOR DISCONNECT	]
32	02-039615		BOLT, PINION FLANGE	18
33	02-039740		LEVER (Hydraulic motor disconnect) NUT	
34 35	02-039734 02-039728		WASHER, HELICAL LOCK	
36	02-039723		"O"-RING	4
37	02-039723		BOLT (M 6 x 10 mm)	4
38	02-039737		BREATHER	-
39	02-039686		BOLT, OIL FILL	1
40	02-039668		WASHER	2
41	02-039623		BEARING, TAPERED ROLLER (Differential)	2
42	02-039624		SHIM, DIFFERENTIAL BEARING	4
	02-039625		SHIM, DIFFERENTIAL BEARING	
43	02-039707		AXLE SHAFT	2
44	02-039606		FLANGE, INTERMEDIATE (Left, when facing axle input)	1
45	02-039607		FLANGE, INTERMEDIATE (Right, when facing axle input)	1
46	02-039690		PIN, DOWEL	6
47	02-039610		DISC, BRAKE	Ι ε
48	02-039609		DISC, INTERMEDIATE	4
49	02-039608		ACTUATOR, BRAKE	2
50	02-039601		HOUSING, AXLE TUBE (Left, when facing axle input)	] ]
51	02-039612		TUBE, AXLE (Right, when facing axle input)	1
52	02-039662		BOLT, BRAKE (M 8 x 14 mm)	24
53 54	02-039605 02-039602		SHOULDER BOLT (Double threaded) NUT (Axle tube)	24
55	02-039603		WASHER, DIFFERENTIAL HOUSING	24
56	02-039733		PIN, LOCATING	1
57	02-039736		PLUG, BREATHER	1
58	02-039722		"O"-RING	1
59	02-039685		PLUG (Axle tube oil filler)	1
60	02-039684		PLUG (Oil drain)	
61	02-039669		WASHER	
TITLE		REAR	AXLE ASSEMBLY, AT-45 (PLATE 2 OF 4)	
PLATI NO.	<sup>E</sup> 19.10	SIMO	NAERIALS INC. NEW 11 MAR., 1994 NO. 02-0434	100



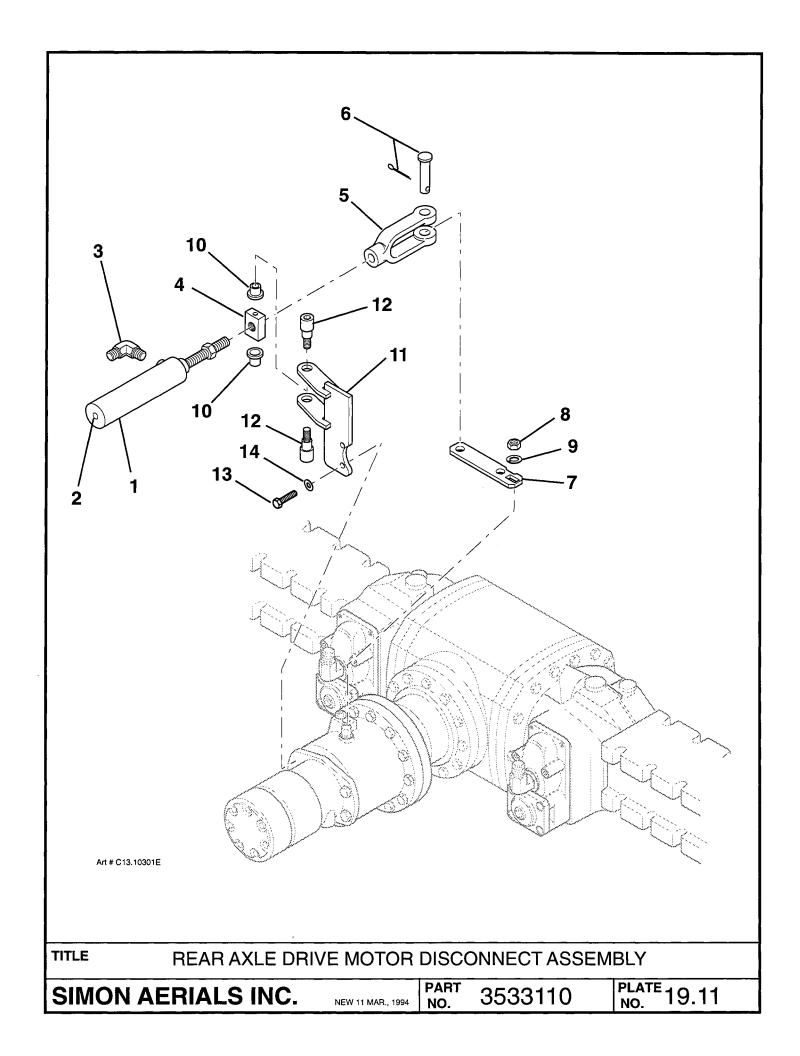
ITEM PART NO SECTION DESCRIPTION	QTY.			
62 02-039713 SUPPORT ASSEMBLY, WHEEL HUB	2			
63 SUPPORT, WHEEL HUB	1			
64 02-039709 RING, OIL SEAL 65 02-039710 COVER, DUST	1 1			
65 02-039710 COVER, DUST 66 02-039706 BOLT (Wheel flange) (M 14 x 40 mm)	24			
67 02-039678 WASHER (Wheel flange)	24			
68 02-039752 HUB ASSEMBLY, REAR WHEEL	2			
69 HUB, REAR WHEEL	1			
70 02-039705 STUD, WHEEL	8			
71 02-039702 SEAL, OIL	2			
72   02-039640   BEARING, TAPERED ROLLER 73   02-039701   "O"-RING (Wheel hub)	<b>4</b> 2			
73 02-039701 O-RING (Wileer Hub) 74 02-039726 RING, STOP	2			
75 02-039766 FLANGE, ANNULUS	2			
76   02-039704   BOLT (M 10 x 35 mm)	24			
77 02-039758 SLEEVE, HALF SHAFT	2			
78 02-039738 ROLL PIN	2			
79 02-039718 GEAR, INTERNAL	2			
80   02-039720	2 2			
82 02-039715 SHIM, SHAFT STOP	2			
83 02-039719 GEAR SET, PLANET (set of three matched gea	and the second s			
84 02-039721 BEARING, ROLLER	6			
85 02-039767 WASHER -	-12			
86   02-039717   PIN, PLANET GEAR	6			
87 02-039611 RING, RETAINING (Snap ring)	6			
88   02-039714   CARRIER, PLANETARY 89   02-039735   NUT	2 16			
90 02-039730 BOLT (M 10 x 20 mm)	4			
DOL! (W. 10 X 20 Hill)				
	!			
TITLE BEAR AXI E ASSEMBLY AT-45 (PLATE 3 OF 4)				
1				
PLATE 19.10 SIMON AERIALS INC. NEW 11 MAR., 1994 NO.	02-043400			



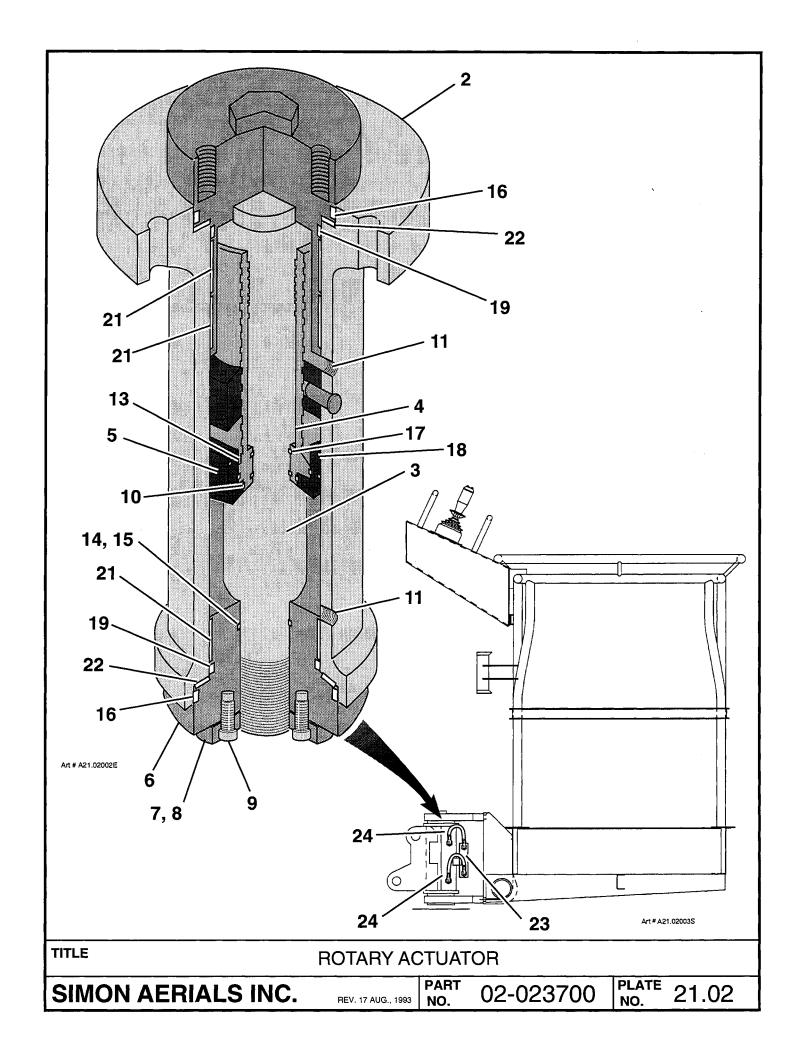
	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
91	02-039655		LEVER, BRAKE FORK	2	
92	02-039654		PIN, BRAKE PULL	2	
93	02-039676		RING, RETAINING (Snap ring)	2	
94	02-039653		BOOT, BRAKE (Bellows)	2	
95 96	02-039769 02-039677		CLAMP, BRAKE (Brake actuator)	2	
90 97	02-039688		RING, RETAINING (Bellows snap ring) LEVER, FAIL SAFE BRAKE ACTUATING	2	
98	02-039652		BALL, FAIL SAFE BRAKE ACTUATOR	4	
99	02-039691		PIN, ACTUATING (Fail safe brake)	2	
100	02-039693		RETAINER, SPRING (Fail safe brake)	2	
101	*02-039763		WASHER, SPRING (Belleville washer)	36	
102	02-039659		"O"-RING (Fail safe brake)	2	
103	02-039672		RING, RETAINING (Snap ring)	2	
104	02-039649		NUT, BRAKE ADJUSTMENT	2	
105	02-039665		WASHER, SPHERICAL	2 2	
106 107	02-039656 02-039647		COVER, BRAKE BOLT, HEX SOCKET HEAD (M 10 x 30 mm)	4	
108	02-039642		BOLT, HEX SOCKET HEAD (M 10 x 50 mm)	4	
109	02-039762		SPRING, SERVICE BRAKE	2	
110	02-039658		PISTON, FAIL SAFE BRAKE	2	
111	02-039657		"O"-RING (Fail safe brake piston)	2	
112	02-039689		FLANGE, FAIL SAFE BRAKE	2	
113	02-039663		BOLT (M 10 x 85 mm) (Fail safe brake flange)	8	
114	02-039681		BOLT, RELEASE (Fail safe brake)	2	
115	02-039687		PLUG (Service brake)	2	
116	02-039670		GASKET, (Service brake plug)	2	
			The following items are not part of Axle		
			Assembly 02-043400:		
			7.655 mbly 62 646466.		
117	07-096800		"U"-BOLT KIT (7/8"-24)	4	
118	06-210800		MALE CONNECTOR, STRAIGHT THREAD		
		***	(#4, M10-1.25mm, 7/16"-20) (for brake port)	2	
119	06-051300		ELBOW, SWIVEL NUT (4 C6X-S)	2	
		:			
TITLE REAR AXLE ASSEMBLY, AT-45 (PLATE 4 OF 4)					
PLATE 19.10 SIMON AERIALS INC. NEW 11 MAR., 1994 NO. 02-043400					
NO.		<del></del>	NACHIALS INC. NEW 11 MAR., 1994 NO. UZ-U434	. • •	



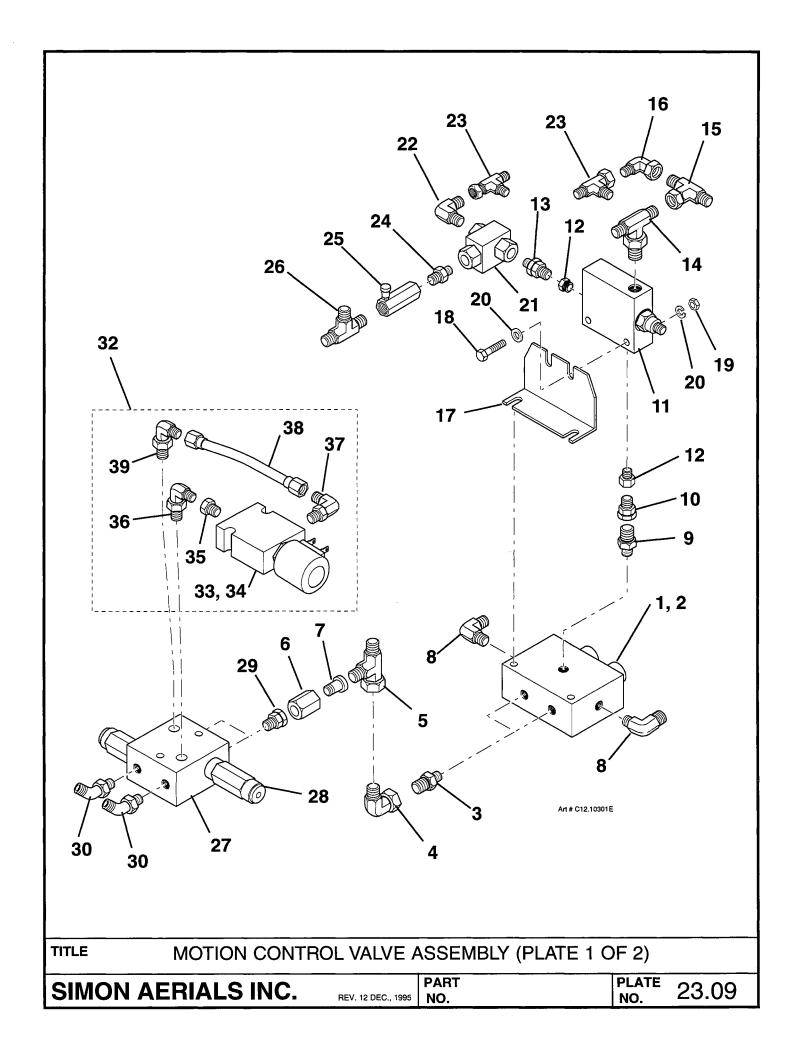
	PARTS LIST						
ITEM	PART NO	SEE SECTION	DESC	RIPTION			QTY.
1	04-037700		CYLINDER, REAR AXLE		RDISCON	NECT	1
2	06-079700		PLUG, HEX SOCKET (2 F		<b>~</b> `		1
3 4	06-003400 2308780		90° ELBOW, MALE 37° TO BLOCK, PIVOT	O NPT (4 CTX-	S)		1
5	10-158700		YOKE, CLEVIS (5/16", sh	ort)			4
6	10-158800		PIN, CLEVIS (5/16") (inclu				1
7	2310350		LEVER, MOTOR DISCON	######################################			
			(replaces lever that come	•			1
8			NUT, HEX (comes with ax	00 <b>0000</b> 000000000000000000000000000000			1
9 10	08-010500		WASHER, HELICAL LOCI BEARING, FLANGED (3/8			flange)	2
11	2308750		BRACKET, CYLINDER M		., J/O UIA	. Hariye)	1
12	07-090019		SHOULDER BOLT, SOCK				•
			(5/16"-18, with 3/8" dia. >				2
13	07-111900		BOLT, HEX HEAD (M 12-		Grade 8.8	)	2
14	07-061018		WASHER, FLAT (1/2", SA	E)			2
l						i	
							ļ
	1.24						
T.T.	- <u>-</u> -			ONNESS AS	05145	· ·	
TITLE	TITLE REAR AXLE DRIVE MOTOR DISCONNECT ASSEMBLY						
PLAT NO.	E 19.11	SIMO	N AERIALS INC.	NEW 11 MAR., 1994	PART NO.	353311	0



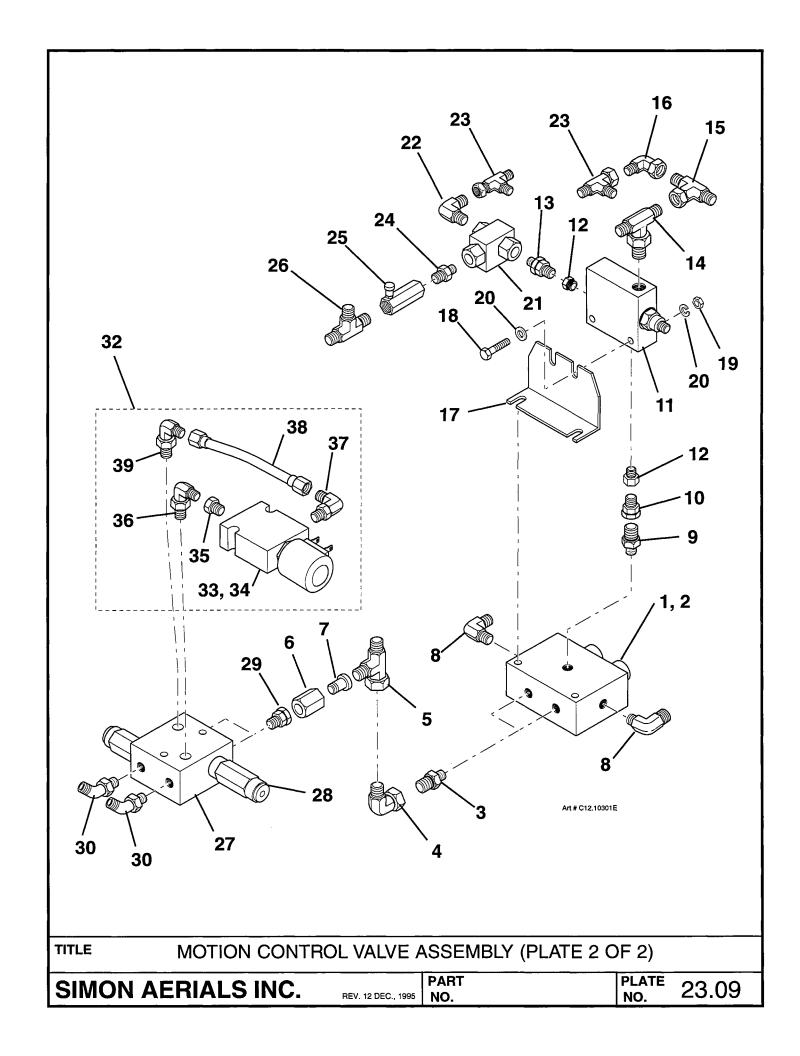
ITEM	PART NO	SI
1	02-023700	
2 3	02-023703	
4		
5		
7	02-023704	
8	02-023705	
9 10	02-023706	
11		
12	02-023701	
13 14		
15		
16 17		
18		
19		
20 21	02-023702	
22		
00	04 00000	
23 <b>24</b>	01-202000 2144710	
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TITLE		
PLAT NO.	E 21.02	9
NU.		



	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
			MOTION CONTROL VALVE ASSEMBLY			
i			(for models with 360° continuous rotation superstructure)	1		
	353 1840		Earlier versions using #12 drive hoses			
	354 5440		Later versions using #16 drive hoses			
1	01-225900		VALVE, MOTION CONTROL VALVE	1		
2	01-013101		SEAL KIT, MOTION CONTROL VALVE	1		
3 4	06-041100 06-051800		ADAPTER, "O"-RING TO 37° (12-16 F5OX-S) 90° ELBOW, SWIVEL NUT (12 C6X-S)	2 2		
5	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2		
6	06-057800		NUT, TUBE (12 BTX-S)	2		
7	06-060900		REDUCER, TUBE END (12-8 TRTX-S)	2		
8			90° ELBOW, "O"-RING TO 37°	2		
1	06-045600	;	12-16 C5OX-S (Earlier versions)			
	06-045800		16 C5OX-S (Later versions)			
9	06-191900		ADAPTER, "O"-RING TO 37° (6-4 F5OX-S)	1		
10	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	1		
11	01-012800		VALVE, PRESSURE REDUCING (10 Gal. [37.8 L] per min.,			
			100 to 3000 PSI [6.9 to 207 bar] [7 to 211 Kg/ cm²],	1		
12	06-090600		set at 600 PSI [41 bar] [42 Kg/ cm <sup>2</sup> ]) REDUCER/ EXPANDER (8-6 F50 G5-S)	2		
13	06-096100		UNION (6 F50 F50-S)	1		
14	06-050000		BRANCH TEE, MALE "O"-RING TO 37° (6 S50X-S)			
15	06-056000		BRANCH TEE, 37° FEMALE SWIVEL NUT (6 S6X-S)	1		
16	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1		
17	219 9720		BRACKET, VALVE MOUNTING	1		
18	07-003029		CAP SCREW, HEX HEAD (5/16"-18 x 2", Grade 5)	2		
19	07-050015		NUT, LOCK (5/16"-18, Grade 5)	2		
20	07-062015		WASHER, FLAT (5/16")	4		
21	01-013800		VALVE, SHUTTLE	1		
22	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)			
23	06-054500		RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S) (Later versions)	2		
24	06-076800		LONG REDUCER/ EXPANDER, PIPE THREAD (4-2 FF-S)	1		
25	01-212100		VALVE, FLOW CONTROL (Needle valve) (1/8" NPT)			
26	06-211200		RUN TEE, MALE 37° TO NPT (4 RTX-S)	1		
27	01-202200		MANIFOLD, CROSS PORT RELIEF	1		
28	01-202201		CARTRIDGE, CROSS PORT RELIEF VALVE	2		
29	06-207800		ADAPTER, SWIVEL NUT (8 F65OX)	2		
30	06-047100		45° ELBOW, "O"-RING TO 37° (8 V5OX-S)	2		
31	06-086600		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F50G-S)	1		
TITLE	MOTION CONTROL VALVE ASSEMBLY (PLATE 1 OF 2)					
PLAT	E 23.09	SIMO	N AERIALS INC. REV. 12 DEC., 1995			
NO.	20.00	<b>U</b> 11110	NACRIALS INC. REV. 12 DEC., 1995 NO.			



	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
32	55-000190		VALVE KIT, STOP CUSHION	1		
33	01-202100		VALVE, SOLENOID (includes non-replaceable coil)	1 1		
34	01-202101		CARTRIDGE, SOLENOID VALVE	1		
35	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	- 1		
36	230 9710		ELBOW, ORIFICED (modified 6-4 C5OX-S with .082" orifice.)	4		
37	06-044600		90° ELBOW, "O"-RING TO 37° (6 C5OX-S)	1		
38	353 2720		TUBE, FORMED	1		
39	06-044500		90° ELBOW, "O"-RING TO 37° (6-4 C5OX-S)	1		
			The following items are not illustrated here. They are part			
			of Stop Cushion Valve Kit 55-000190, but are not part of			
			Valve Assembly 353 1840 or 354 5440:			
40	03-051500		RELAY, PLUG IN (12 Volt DC, single pole)	1 1		
41	03-051600		SOCKET, RELAY (Single pole, Snap mount)	1		
42	03-085200		CABLE, ELECTRICAL (SJO, 2 conductor, #16 AWG)			
			(Bulk item, 20 Ft [6.1 M] required this application)	A.R.		
43	03-092300		COUPLING (Nylon, Spade type, female, #14-16 AWG)	2		
44 45	03-045500 03-055500		GRIP, CORD (1/2", with .31" to .38" seal) NUT, CONDUIT LOCK (1/2")	1 1		
43	03-055500		NOT, CONDOIT LOCK (1/2)	1		
TITLE	: MC	OTION C	ONTROL VALVE ASSEMBLY (PLATE 2 OF 2)			
DIATE						
NO.	<sup>£</sup> 23.09	SIMO	N AERIALS INC. REV. 12 DEC., 1995 NO.			



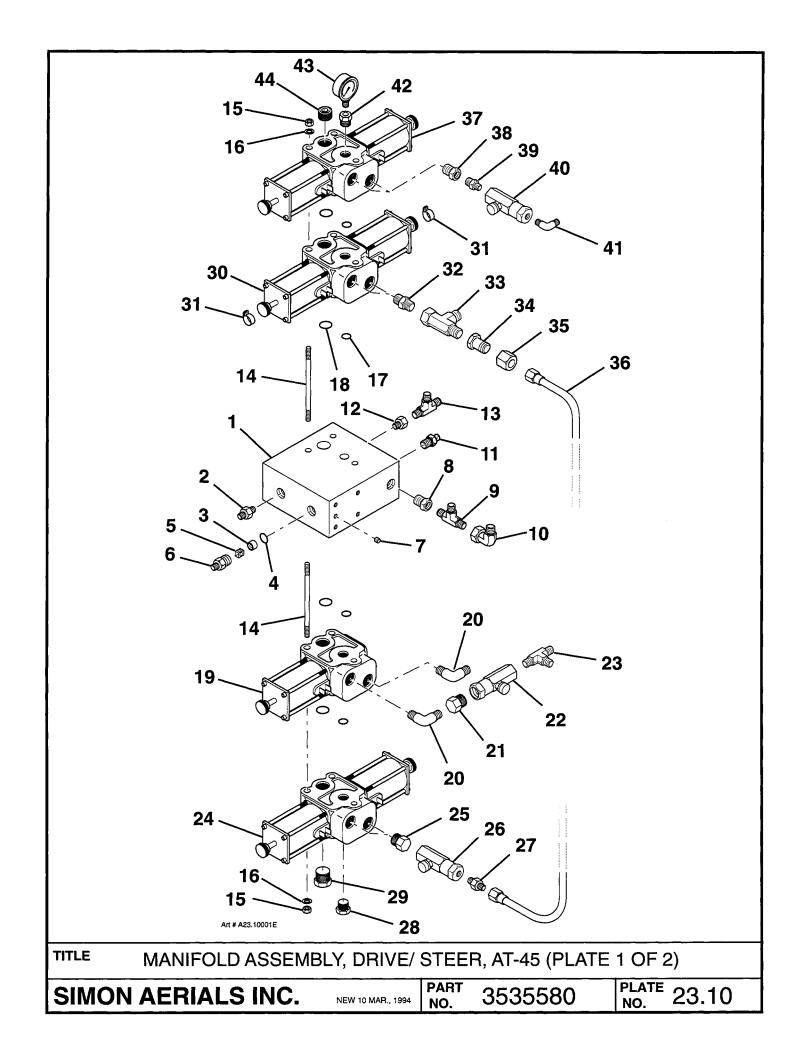
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	2025214	SECTION	MANIFOLD, CONTROL VALVE	1		
2	06-040800		ADAPTER, "O"-RING TO 37° (12 F50X-S)	1		
3	01-034100		VALVE, CARTRIDGE CHECK (3,000 PSI)	1		
4	01-034200		"O"-RING (1.051" I.D.)	- 1		
5	2015109		SPACER, CHECK VALVE (not shown)	1		
6	06-041100		ADAPTER, "O"-RING TO 37° (12-16 F50X-S)	1		
7	06-095000		PLUG, HOLLOW HEX (6 HP50N)	1		
8	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)	1		
9	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	-		
10 11	06-051500 *06-039600		90° ELBOW, SWIVEL NUT (6 C6X-S) ADAPTÉR, "O"-RING TO 37° (4-8 F50X-S)			
12	06-090600		REDUCER/ EXPANDER (8-6 F50 G5-S)			
13	06-048500		RUN TEE, MALE "O"-RING (6 R50X-S)	1		
14	2096568		ROD, THREADED (3/8"-16 x 6-1/4")	6		
15	07-040016		NUT, HEX (3/8"-16, Grade 5)	6		
16	07-065016		WASHER, HELICAL LOCK (3/8")	6		
17	01-031702		"O"-RING (3/4" O.D.)	4		
18	01-031703		"O"-RING (1-1/16" O.D.)	4		
19	01-061900	23.13	VALVE, DIRECTIONAL (Diverter valve)			
			(Solenoid operated, 4 way, 2 position)	1		
20	06-044700		90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)	2		
21	06-197700		MALE CONNECTOR, SWIVEL NUT (6 F6X-S)	1		
22	01-012300		VALVE, FLOW CONTROL (Needle valve, 1/4" NPT) [.75 to 5.0 GPM (2.8 to 18.9 Liters/ Min)]	1		
23	06-012000		RUN TEE, MALE 37° TO NPT (6 RTX-S)	1		
24	01-031800	23.12	VALVE, DIRECTIONAL (Low speed valve)	i 'I		
-	0.00.000		(Solenoid operated, 4 way, 3 position, open center)	1		
25	06-096200		UNION (8 F50 F50-S)	2		
26	01-019000		VALVE, FLOW CONTROL (Needle valve, #8 SAE)	2		
27	06-040100		ADAPTER, "O"-RING TO 37° (8 F50X)	2		
28	06-095100		PLUG, HOLLOW HEX (8 HP50N)	1		
29	06-095000		PLUG, HOLLOW HEX (6 HP50N)	1		
TITLE	MANIF	FOLD AS	SEMBLY, DRIVE/ STEER, AT-45 (PLATE 1 OF 2)			
	107 (107 CED 7 COEINDET, DI (10 ET C)					

PLATE No. 23.10

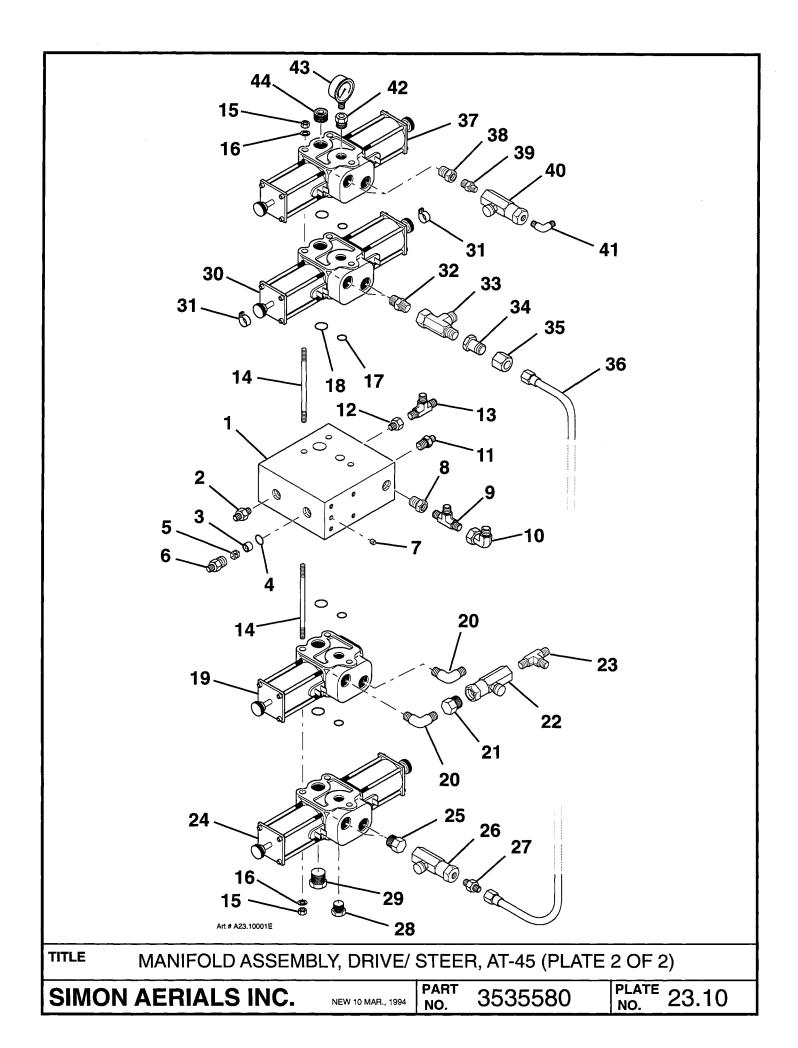
SIMON AERIALS INC.

NEW 10 MAR., 1994

PART NO. 3535580



PARTS LIST						
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
30	01-031700	23.11	VALVE, DIRECTIONAL (High speed valve)			
31	10-005300		(Solenoid operated, 4 way, 3 position, closed center) BAND (to prevent manual operation of high speed valve)	1 2		
32	06-040900		ADAPTER, "O"-RING TO 37° (12-8 F50X-S)	2		
33	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	2		
<b>34</b> 35	06-060900 06-057800		REDUCER, TUBE END (12-8 TRTX) NUT, TUBE (12 BTX)	<b>2</b> 2		
36	3508220		TUBE ASSEMBLY (High speed valve to low speed valve)	2		
37	01-031700	23.11	VALVE, DIRECTIONAL (Steer valve)			
38	*06-090600		(Solenoid operated, 4 way, 3 position, closed center) REDUCER/ EXPANDER (8-6 F50 G5-S)	1 2		
39	06-096100		UNION (6 F50 F50-S)	2		
40	01-018900		VALVE, FLOW CONTROL (Needle valve, #6 SAE)	2		
41	06-044600		ELBOW, STRAIGHT THREAD (6 C50X)	2		
42 43	06-086600 01-021000		ADAPTER, "O"-RING TO FEMALE NPT (6-1/4 F50 G5-S) GAUGE, HYDRAULIC PRESSURE (0-4000 PSI)			
44	06-095100		PLUG, HOLLOW HEX (8 HP50N)	1		
45	03-436000		HARNESS, WIRE (not shown)	1		
] ]						
	<u></u>			L		
	MANIFOLD ASSEMBLY, DRIVE/ STEER, AT-45 (PLATE 2 OF 2)					
PLATI	<sup>E</sup> 23.10	SIMO	NAERIALS INC. NEW 10 MAR., 1994 NO. 353558	0		



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

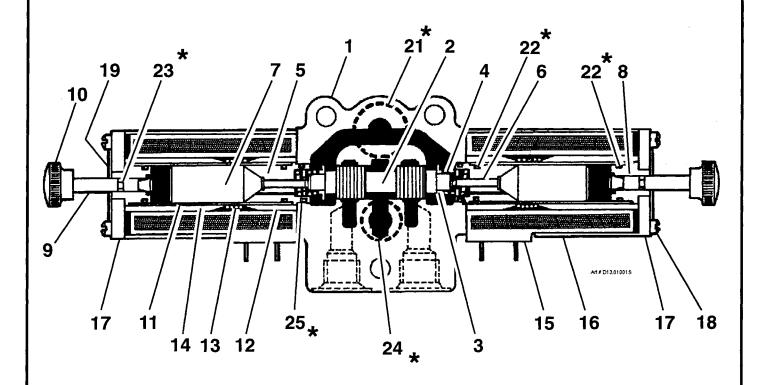
4-WAY, 3 POSITION SOLENOID VALVE, CLOSED CENTER SPOOL

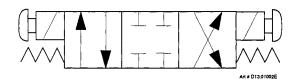
PLATE NO. 23.11

SIMON AERIALS INC.

NEW 11 MAR., 199-

PART NO. 01-031700





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

SIMON AERIALS INC.

NEW 11 MAR., 1994

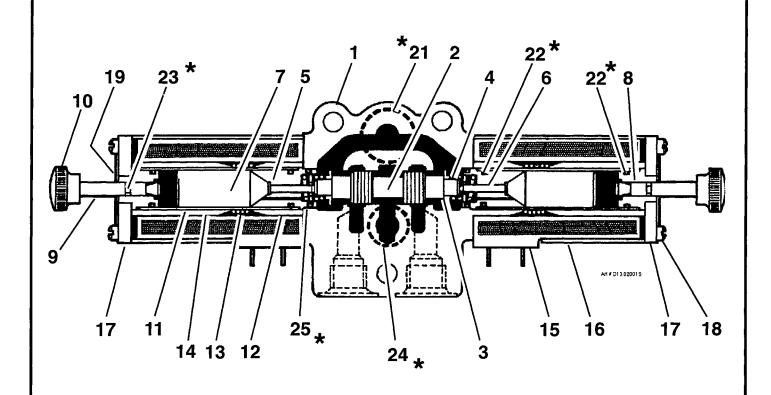
PART NO.

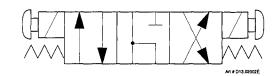
01-031700

PLATE NO. 23.11

	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	01 001001		BODY, VALVE	1	
2	01-031801 01-031704		SPOOL, VALVE SEAT, SPRING (Hat washer)	1 2	
4	_ 01-031714		SPRING	2	
5	01-031725 01-031719		CONE, FEMALE PIN, PUSH	2 2	
7	01-031719		PLUNGER	2	
8	01-031722		GUIDE, ACTUATOR PIN	2	
9 <b>10</b>	01-031706 01-031705		PIN, ACTUATOR KNOB	2 <b>2</b>	
11	01-031705		TUBE, GUIDE	2	
12	01-031717		SLEEVE, FLUX (Inner)	2	
13 14	01-031715 01-031716		SPRING SLEEVE, FLUX (Outer)	2 2	
15	01-031710		COIL (12 Volt DC)	2	
	01-031802		COIL (24 Volt DC)	2	
16 17	01-031713		CASE, SOLENOID PLATE, END	2	
18	01-031724		SCREW, FILLISTER HEAD (#10-24 x 3-7/8")	8	
19	04 004740		NAMEPLATE	1	
20	01-031712		SEAL KIT  Note: Items in kit identified by asterisk (*).	1	
21	01-031703		RING, QUAD (1-1/16" O.D.)	1	
22	01-031710		O-RING	4	
23 24	01-031709 01-031702		O-RING RING, QUAD (3/4" O.D.)	2	
25	01-031711		O-RING	2	
TITLE	-WAY, 3 POS	SITION S	OLENOID VALVE, OPEN CENTER (MOTORING) SP	OOL	

PLATE NO. 23.12 SIMON AERIALS INC. NEW 11 MAR., 1994 NO. 01-031800





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

SIMON AERIALS INC.

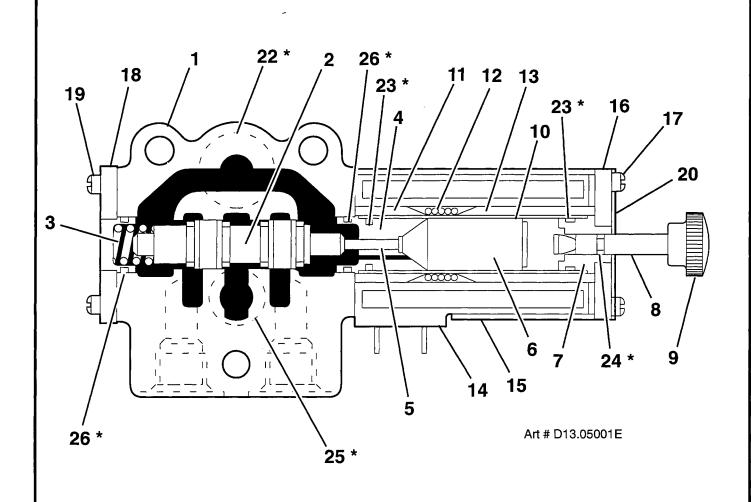
NEW 11 MAR., 1994

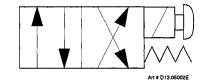
PART NO.

01-031800

PLATE NO. 23.12

	PARTS LIST						
ITEM	PART NO	SEE SECTION		RIPTION			QTY.
1 2			BODY, VALVE SPOOL, VALVE				1
3	01-031714		SPRING				1
4	01-031725		CONE, FEMALE				1
5 6-	01-031719 01-031721		PIN, PUSH PLUNGER				1
7	01-031722		GUIDE, ACTUATOR PIN				1
8	01-031706		PIN, ACTUATOR				1
9	01-031705 01-031718		KNOB TUBE, GUIDE				7
11	01-031717		SLEEVE, FLUX (Inner)				4
12	01-031715		SPRING (O. )				1
13	01-031716 01-031701		SLEEVE, FLUX (Outer) COIL (12 Volt DC)				1
	01-031802		COIL (24 Volt DC)				1
15	01-031713		CASE, SOLENOID				1
16 17	01-031724		PLATE, END SCREW, FILLISTER HEAI	) (#10-24 x 3-7	'/8"\		4
18	-,,,,		PLATE, END		/		1
19			SCREW, FILLISTER HEAI	D (#10-24 x 5/8	3")		4
20 21	01-031712		NAMEPLATE SEAL KIT				1
			Note: Items in kit identific		*).		
22	01-031703 01-031710		RING, QUAD (1-1/16" (		ution)		1
23 24	01-031710		O-RING (only two requi O-RING (only one requ				4 2
25	01-031702		RING, QÙAD (3/4" O.D	.)	•		1
26	01-031711		O-RING (only one requ	ired this applica	ation)		2
			er (m. 1940). Er 1960 (1961) der Gerengengen (1961) der Gerengen				
<u> </u>	:						
					_		
TITLE		4-V	VAY, 2 POSITION SOLE	NOID VALVE			
PLATE NO.	23.13	SIMO	N AERIALS INC.	NEW 11 MAR., 1994	NO. O	1-0619	00





TITLE

4-WAY, 2 POSITION SOLENOID VALVE

SIMON AERIALS INC.

NEW 11 MAR., 1994

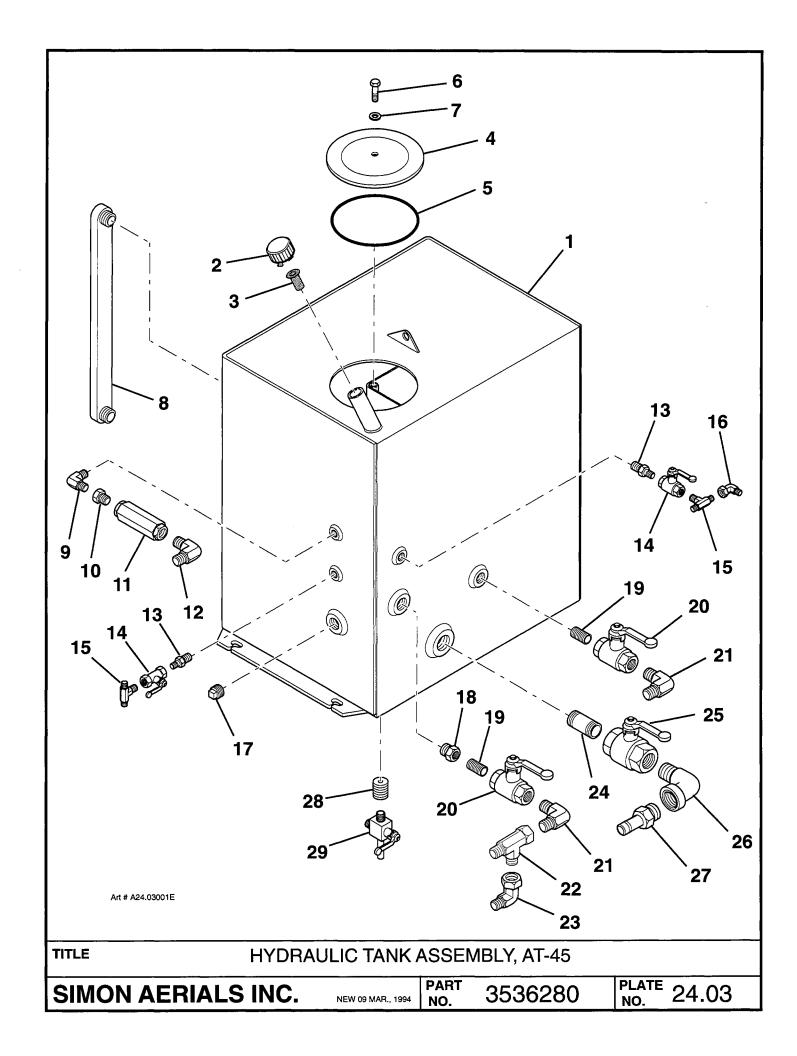
PART NO.

01-061900

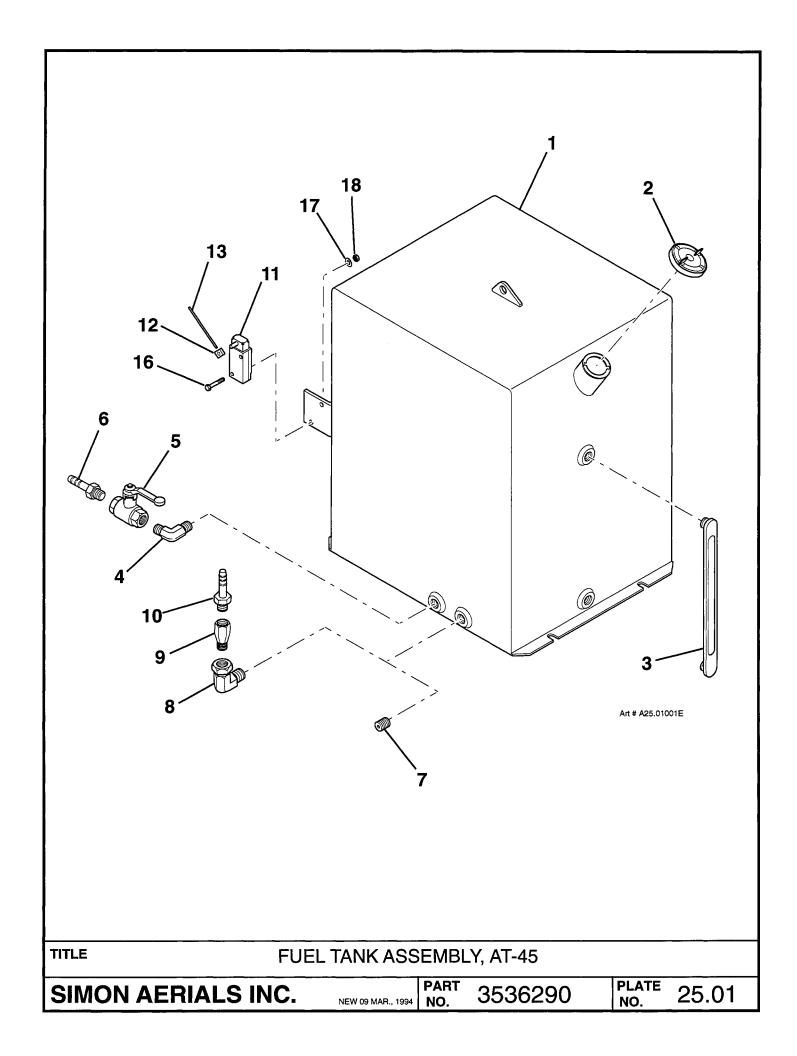
PLATE 23.13

	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	2321080		TANK WELDMENT, HYDRAULIC		
			[Capacity 40 gallons (151 liters)]	1	
2	10-001800		CAP, HYDRAULIC TANK FILLER	1	
3	2144600		STRAINER ASSEMBLY	1	
4	2142090		COVER, HYDRAULIC TANK CLEANOUT		
5	01-087600		"O"-RING, COVER	1	
6 7	07-003085 01-087700		CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5) WASHER, FLAT (with "O"-ring seal)	¦	
8	10-033800		GAUGE, SIGHT [14" (35.6 cm) long]	¦	
9	06-003800		90° ELBOW, MALE 37° TO NPT (6 CTX-S)	4	
10	06-079000		CONNECTOR, SWIVEL NUT (6 F65X-S)	i	
11	01-020800		VALVE, POPPET CHECK [3 PSI (.207 Bar) (.211 Kg/ cm²)]	- 1	
12	06-044600		90° ELBOW, STRAIGHT THREAD (6 C50X-S)	1	
13	06-076900		REDUCER/ EXPANDER, LONG (1/4 FF-S)	2	
14	01-020800		VALVE, BALL (Shutoff valve) (1/4" NPT)	2	
15	06-197800		MALE BRANCH TEE (6 STX-S)	2	
16	06-051500		90° ELBOW, SWIVEL NUT (6 C6X-S)	1	
17	11-075600		PLUG, SQUARE HEAD (1" NPT)	1	
18 19	11-062000 11-020018		BUSHING, REDUCER (1" NPT to 3/4" NPT) NIPPLE, PIPE (3/4" NPT x 1-3/8" long)	1 2	
20	01-020600		VALVE, BALL (Shutoff valve) (3/4" NPT)	2	
21	06-004900		90° ELBOW, MALE 37° TO NPT (12 CTX-S)	2	
22	06-054800		RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)	1	
23	06-053300		45° ELBOW, SWIVEL NUT (12 V6X-S)	1	
24	11-071500		NIPPLE, PIPE (1-1/2" NPT x 1-3/4" long, close)	1	
25	01-063000		VALVE, BALL (Shutoff valve) (1-1/2" NPT)	1	
26	11-050023		ELBOW, STREET (1-1/2" NPT)	1	
27	06-191500		CONNECTOR, HOSE (Beaded insert)		
00	44.000400		(1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long)	1	
28 29	11-062100 01-015800		BUSHING, REDUCER (2" NPT to 1/2" NPT) DRAIN COCK (Brass, 1/2" NPT)	1	
29	01-015600		DRAIN COCK (Blass, 1/2 NFT)	'	
TITLE		H,	YDRAULIC TANK ASSEMBLY, AT-45		
PLAT	E 04 00		DADT		
NO.	<sup>24.03</sup>		N AERIALS INC. NEW 09 MAR., 1994 NO. 353628	su	

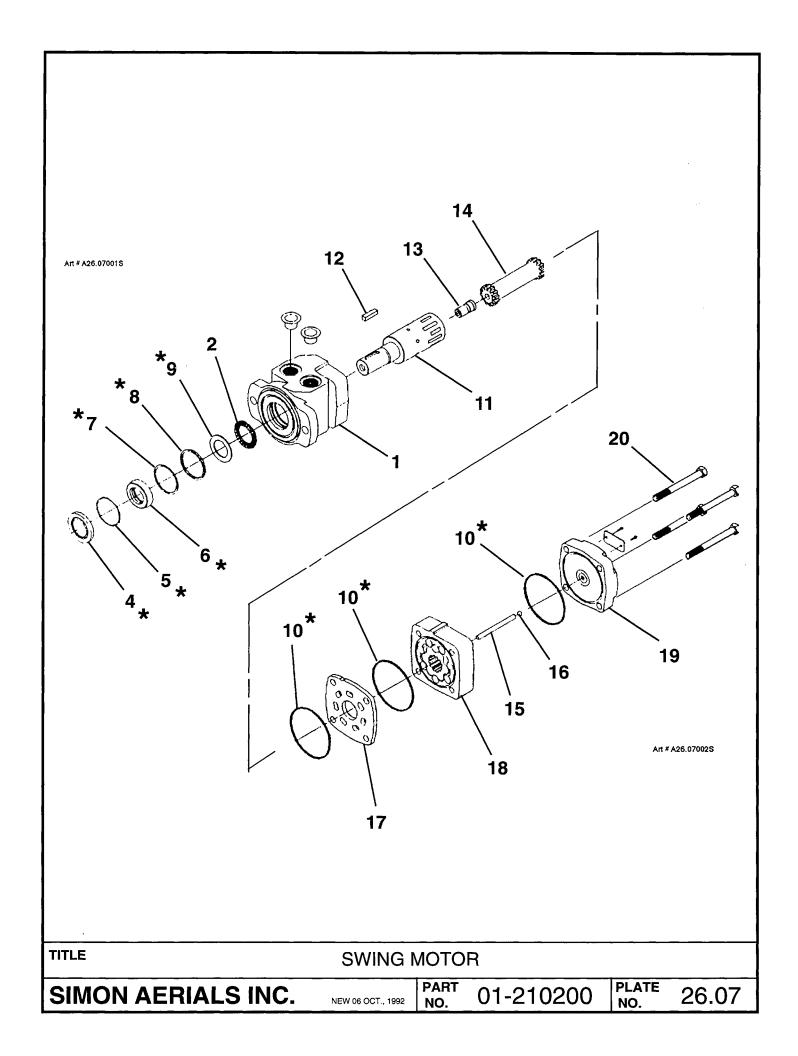
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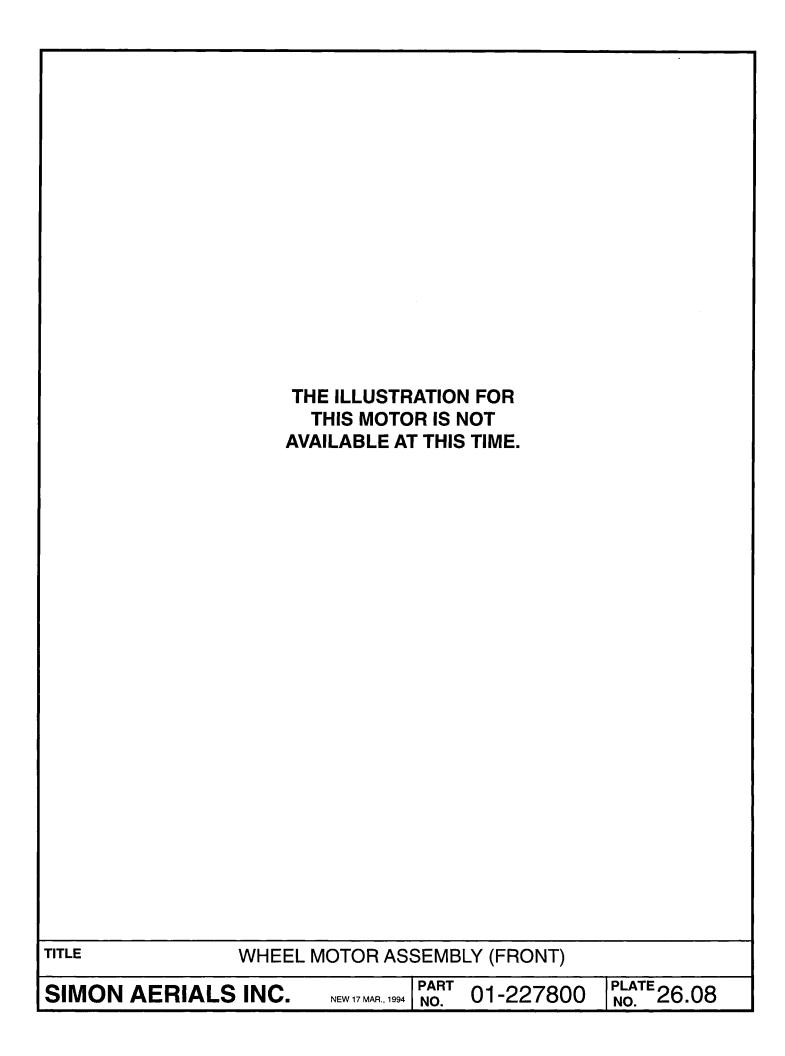
	PARTS LIST				
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
1	2318040	-	TANK WELDMENT, FUEL [35 Gal. (132 L) capacity]	1	
2	10-001900	!	CAP, FUEL (Vented)	1	
3	10-033800		GAUGE, SIGHT (14")	1	
4	06-082500		90° ELBOW, MALE PIPE THREAD (1/4 CR-S)	1	
5	01-032800 11-050403		VALVE, SHUT OFF (1/4" NPT) FITTING, HOSE (Brass, barbed, 5/16" I.D. hose,		
	11-050400		1/4" male NPT thread)	1	
7	06-079800		HOLLOW HEX PLUG, PIPE THREAD (4 HHP-S)		
			(for return port, with <b>Gas</b> or <b>Dual Fuel</b> engine)	1	
8	06-080200		90° STREET ELBOW (4 CD-S)		
			(for return port, with <b>Diesel</b> engine)	1	
9	11-050200		BUSHING, REDUCER (NPT, 1/4" Male to 1/8" Female)		
,,	44.050405		(for return port, with <b>Diesel</b> engine)	7	
10	11-050405		FITTING, HOSE (Brass, barbed, 1/8" I.D. hose, 1/8" male NPT thread) (for return port, with <b>Diesel</b> engine)		
11	03-493700		SWITCH, LIMIT (Side rotary, with one normally open,	1	
	00 1007 00		and one normally closed contact)	1	
12	03-494100		ARM, LIMIT SWITCH (includes 6" nylon loop, which must		
			be removed and replaced with rod, below.)	1	
13	2010906		ARM, LIMIT SWITCH (Stainless steel rod)	1	
14	03-085700		CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)	4 D	
15	03-041000		[Bulk item, 10 Ft (3.05 M) required this application] GRIP, CORD (1/2", with 3/8" to 7/16" seal)	A.R.	
16	07-008356		CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)	2	
17	07-062011		WASHER, FLAT (#10)	2	
18	07-050011		NUT, STOP (#10-24, Grade 2)	2	
				!	
TITLE			FUEL TANK ASSEMBLY, AT-45		
PLAT	E 25.01	SIMO	N AERIALS INC. NEW 09 MAR. 1994 NO. 353629	0	
NO.	20.01	SINO	IN ALRIALS INC. NEW 09 MAR., 1994 NO. 333029	<u> </u>	



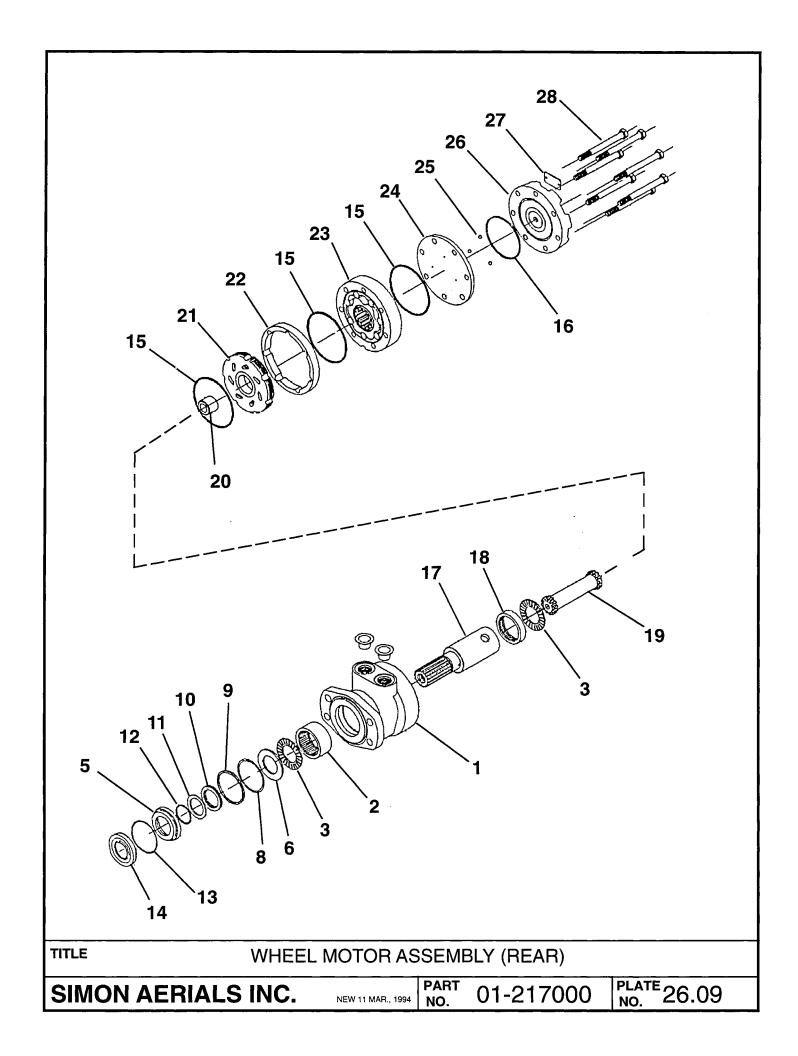
- 1			PARTS LIST	1
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY
1			HOUSING, MOTOR (2 hole mounting)	
2	01-205407		BEARING, THRUST	
3	01-210201		SEAL KIT, MOTOR  Note: Items included in seal kit marked by asterisk (*)	
4			CEAL DUCT	
5			RING, SNAP	
6			SPACER ASSEMBLY, SEAL	-
7			SHIM	
8 9			SEAL, HOUSING (high pressure) WASHER, THRUST	
10	4		SEAL, BODY	
11	01-210202		SHAFT, MOTOR	
12	01-210204		KEY, SQUARE (1/4")	-
13	01-210205		PLUG, COOLING	
14 15	01-210203		LINK, DRIVE PIN, DRIVE LINK	
16			BALL	
17			PLATE, WEAR	
18			ROTOR SET (Roller stator)	
19 20			COVER, END CAP SCREW, HEX HEAD	
20			OAL SOILEW, HEXTIEAD	-
				1
				}
TITLE			SWING MOTOR	
PLATI	<sup>E</sup> 26.07	CINACI	NAERIALS INC. NEW 06 OCT., 1992 PART NO 01-2102	200
NO.	∠0.07	SINO	NACRIALS INC. NEW 06 OCT., 1992 NO. UI-ZIUZ	<b>_U</b> (



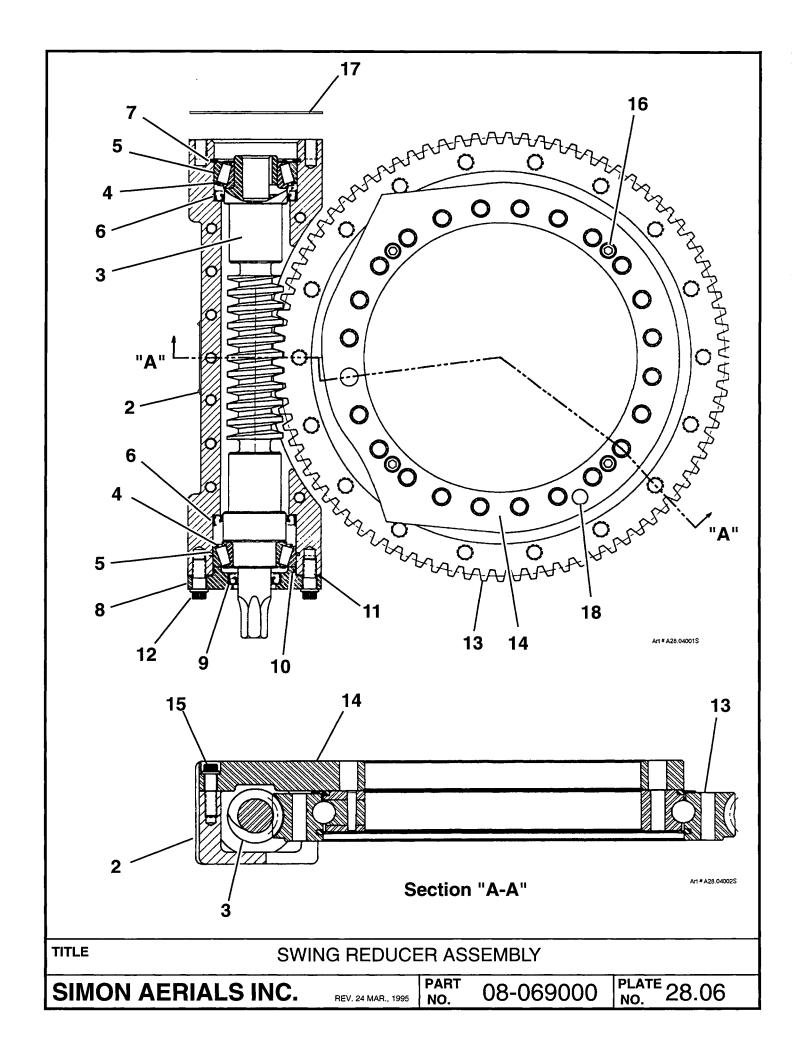
<u> </u>	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	01-227800		MOTOR ASSEMBLY (Motor I.D. tag reads "DT 460318-0-T")			
2 3	01-214501		SEAL KIT, MOTOR HOUSING	1 1		
4		_	CARRIER, INNER BEARING	1		
5	1.5		BEARING, BALL	2		
6 7			RING, RETAINING SPACER	1		
8			RING, RETAINING	1		
9			HUB, WHEEL (includes studs)	1		
10 11	01-214502 *		STUD, WHEEL (1/2"-20) CAP SCREW, SOCKET HEAD	6		
12			CAP, HUB END (with grease fitting)	1		
13			CAP SCREW, HEX HEAD	6		
14 15			COLLAR, SPLINED SHAFT	1		
16			"O"-RING	1		
17			RING, BACKUP	1		
18 19			RING, SEAL BEARING, THRUST	1		
20		!	WASHER, THRUST	1		
21			SEAL, SHAFT	1		
22 23			SEAL, BACKUP SHIM, BACKUP	1		
24			CARRIER, SHAFT SEAL	1		
25			BEARING, ROLLER	1		
26 27			LINK, DRIVE PLATE, BALANCE	1		
28			SEAL, BODY	4		
29 30			ROTOR SET ASSEMBLY MANIFOLD	1 1		
31			BOOT, MANIFOLD	1 1		
32			RING	1 1		
33 <b>34</b>			SEAL, COMMUTATOR SHIM, METAL	1 1		
35			COVER, END	1		
36			SPACER, COMMUTATOR	1		
37 38			"O"-RING RING, BACKUP	1		
39			PIN	1		
40			SPRING	1		
41 42	07-099800		BOLT SET (includes 7 bolts) NUT, LUG (1/2"-20)	1 6		
TITLE	Ē	WI	HEEL MOTOR ASSEMBLY (FRONT)			
PLAT NO	<sup>E</sup> 26.08	SIMO	NAERIALS INC. NEW 17 MAR., 1994 NO. 01-2278	300		
		<u> </u>				



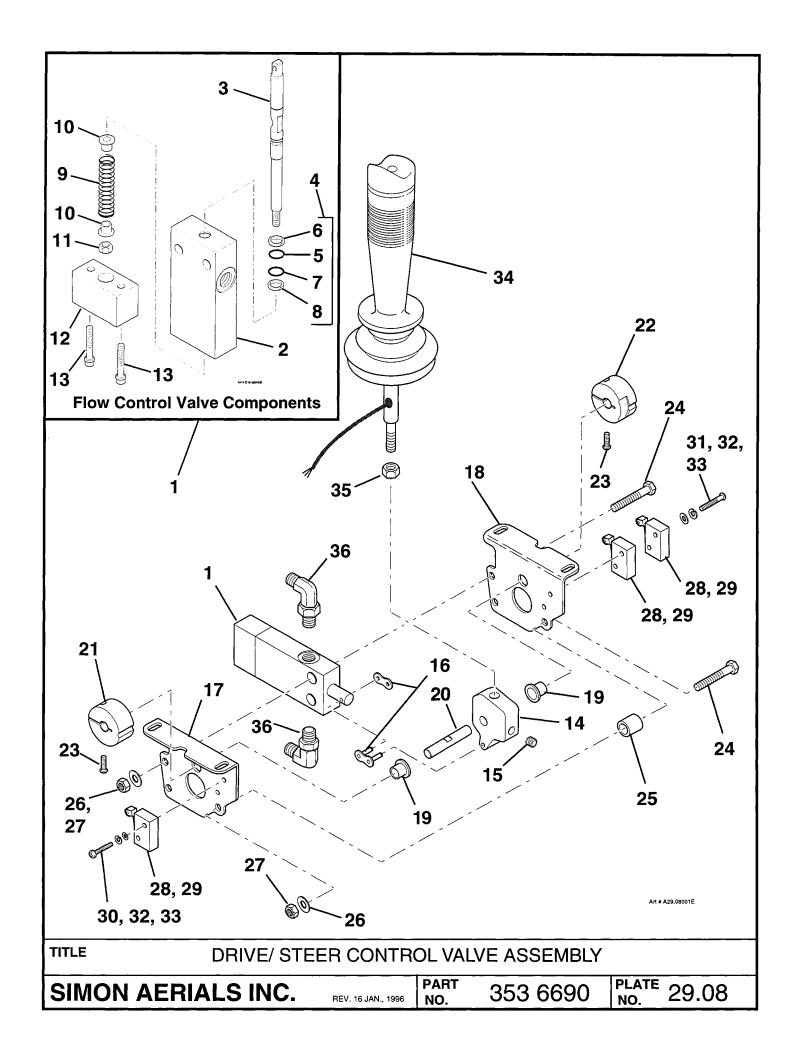
PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.	
	01-217000		MOTOR ASSEMBLY (Motor identification tag reads "RE 14080500")		
1 2 3			HOUSING BEARING, ROLLER BEARING, THRUST	1 1 2	
4 5 6	01-205401		SEAL KIT SEAL, CARRIER WASHER, THRUST	1 1 1	
7 8 9	01-201601		SEAL KIT SEAL, HOUSING (high pressure) RING, BACKUP	1	
10 11 12			SEAL, SHAFT SEAL, BACKUP SHIM, BACKUP	1 1	
13 14 15 16			RING, SNAP SEAL, DUST SEAL, BODY SEAL, BODY	- <del>- 3</del> 1	
17 18 19			SHAFT BEARING, ROLLER LINK, DRIVE	1	
20 21 22	01-205418 01-205412		SPACER, DRIVE LINK MANIFOLD BOOT, MANIFOLD	1 1 1	
23 24 25	01-205413 01-205414		ROTOR SET ASSEMBLY PLATE, BALANCE (includes ball checks) CHECK, BALL (3/16")	1 1 4	
26 27 28	01-205420		COVER, END PLATE, MOTOR IDENTIFICATION (with screws) BOLT SET (includes 7 bolts)	1	
TITLE		W	HEEL MOTOR ASSEMBLY (REAR)		
PLAT NO.	<sup>E</sup> 26.09	SIMO	NAERIALS INC. NEW 11 MAR., 1994 NO. 01-2170	000	



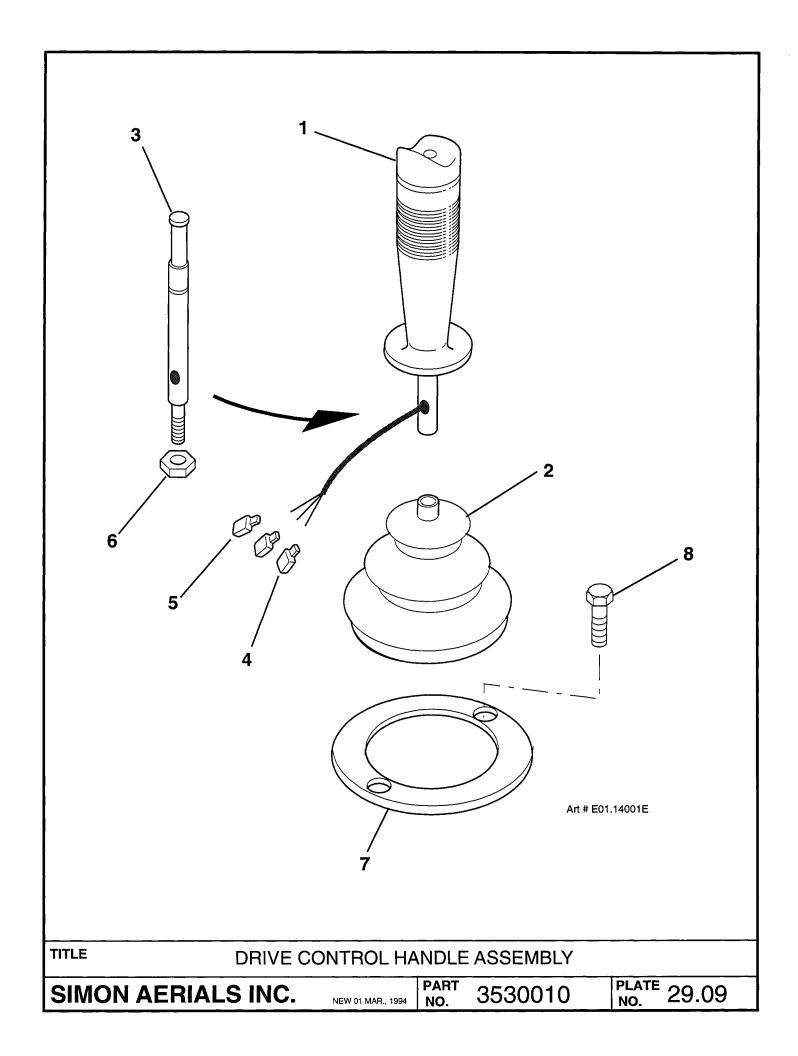
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	08-069000		SWING REDUCER ASSEMBLY			
2	08-069003		HOUSING SWING DEDUCED	1		
3	08-068710		HOUSING, SWING REDUCER SHAFT, WORM	1		
4	08-068705		CONE AND ROLLER, BEARING	2		
5	08-068706		CUP, BEARING	2		
6 7	08-068703 08-068704		SEAL RING, SNAP (Input bearing)	2		
8	08-068709		RETAINER, OUTPUT BEARING	1		
9	08-068719		SEAL, OUTPUT BEARING	1		
10 11	08-068702 08-068716		"O"-RING SHIM (.005" [.127 mm] thick)	1 2		
11	08-068717		SHIM (.005 [.127 mm] thick)	2		
	08-068718		SHIM (.030" [.762 mm] thick)	2		
12	08-068715		CAP SCREW, FERRY (1/2"-13 x 1-1/4")	4		
13 14	08-069001 08-069002		BEARING, ROTATION PLATE, SUPERSTRUCTURE MOUNTING	1 1		
15	08-069004		CAP SCREW, FERRY (7/16"-14 x 3-1/2")	9		
16	08-068714		CAP SCREW, SOCKET HEAD (3/8"-16 x 1-1/4")	4		
17 18	02-023502 08-068720		GASKET, HYDRAULIC MOTOR (1/32" [.794 mm] thick) PIN, DOWEL	1 2		
10	08-008720		FIN, DOWEL	_		
			The following items are not part of Swing Reducer Assembly			
			08-069000:			
19	01-210200	26.07	MOTOR, HYDRAULIC (10 c.i. [164 c.c.])	1		
20	07-003087		CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)	2		
21	07-062018		WASHER, FLAT (1/2" SAE)	2		
22 23	07-065018 10-126400		WASHER, HELICAL LOCK (1/2") LUBRICANT, OPEN GEAR (Caulk tube)	2		
20	10-120-00		(for use on swing gear teeth)	A.R		
			, ,			
TITLE			SWING REDUCER ASSEMBLY			
		1	DADT			
PLAT	<sup>E</sup> 28.06	SIMO	N AERIALS INC. REV. 24 MAR., 1995 PART NO. 08-0690	000		



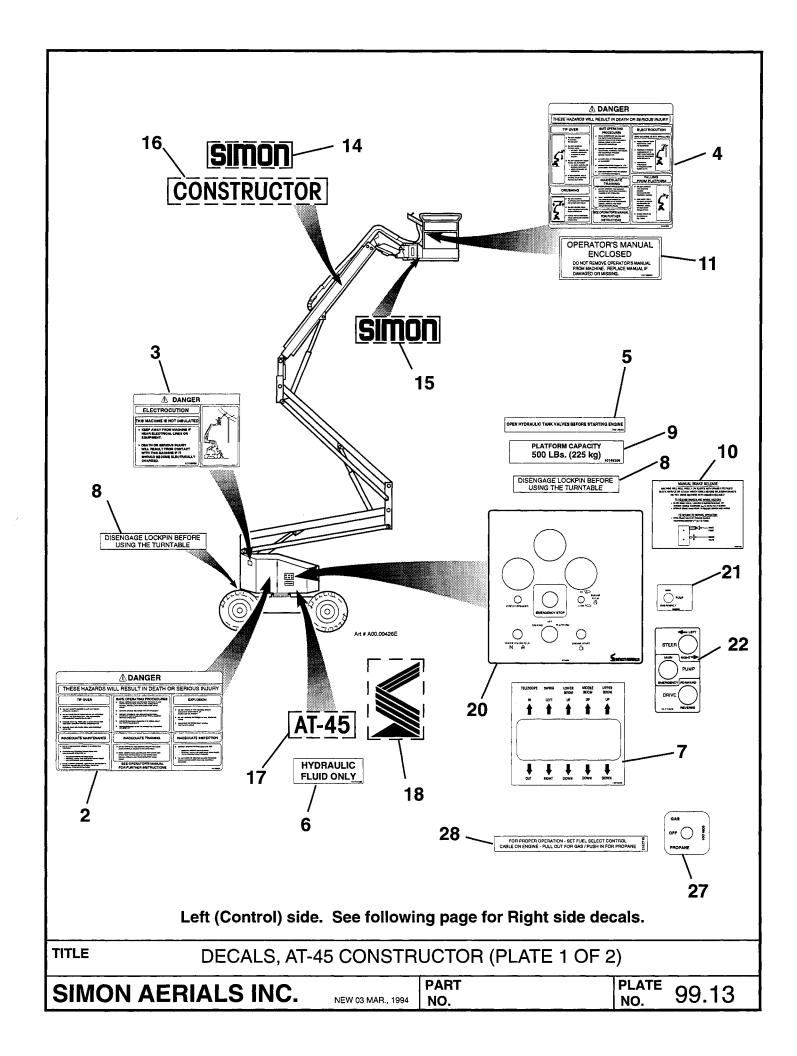
	PARTS LIST					
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.		
1	01-230800		VALVE, FLOW CONTROL (1 tooth)	1		
2	231 5530		BODY, FLOW CONTROL VALVE	1		
3	231 5540		SPOOL, FLOW CONTROL VALVE	1		
4	01-000901		SEAL KIT, FLOW CONTROL VALVE	1		
5	01-000902		"O"-RING (12 mm)	1		
6	01-000904		RING, BACKUP (12 mm)	1		
7	01-000903		"O"-RING (10 mm)	1		
8	01-000905		RING, BACKUP (10 mm)	1		
9	231 5560		SPRING	1		
10	231 5550		BUSHING, SPRING RETAINER	2		
11 12	07-050014 231 5520		NUT, LOCK (1/4"-20, Grade 5) CAP, VALVE BODY	-		
13	07-008354		CAP SCREW, HEX SOCKET HEAD			
13	07-000354		(#10-24 x 1-1/4", Grade 8)	2		
14	232 3270		ARM, ROCKER	1		
15	07-023059		SET SCREW, SOCKET HEAD (3/8"-16 x 3/8", Grade 5)	1		
16	08-010200		LINK KIT, CONNECTING	1		
17	232 3250		BRACKET, VALVE (right) (single switch side)	1		
18	232 3260		BRACKET, VALVE (left) (double switch side)	1		
19	212 1800		BUSHING, FLANGED	2		
20	212 1740		SHAFT, CAM	1		
21	232 3420		CAM, SWITCH (single)	1		
22	212 1770		CAM, SWITCH (double)	1		
23	07-008352		CAP SCREW, HEX SOCKET HEAD (#10-24 x 3/4", Grade 8)	***************************************		
24	07-003028		CAP SCREW, HEX HEAD (5/16"-18 x 1-3/4", Grade 5)	3		
25	232 9450		SPACER	1 3		
26 <b>27</b>	07-062015 07-050015		WASHER, FLAT (5/16") NUT, STOP (5/16"-18, Grade 5)	3		
28	03-065000		MICRO SWITCH (includes roller lever actuator)	3		
29	03-026500		ACTUATOR, BOLT ON (Roller lever)	1		
30	07-013383		MACHINE SCREW, ROUND HEAD (#4-40 x 3/4", Grade 2)	2		
31	07-013386		MACHINE SCREW, ROUND HEAD (#4-40 x 1-1/8", Grade 2)			
32	07-065003		WASHER, HELICAL LOCK (#4)	4		
33	07-062003		WASHER, FLAT (#4)	4		
			The following items are not part of the Drive Control Valve			
			Assembly:			
		00.00	HANDLE ACCEMBLY DOUG CONTECT			
34	3530010	29.09	HANDLE ASSEMBLY, DRIVE CONTROL	1 1		
35 36	07-040016 06-044300		NUT, HEX (3/8"-16, Grade 5) 90° ELBOW, "O"-RING TO 37° (4 C5OX-S)	2		
ا تاد	00-044300		90 ELBOW, O-HING 1037 (4 C50X-3)	-		
TITLE	TITLE DOUGLOTEED CONTROL MAINE ACCEMBING					
	<u> </u>	חרוז	E/ STEER CONTROL VALVE ASSEMBLY			
PLAT	E 29.08	SIMO	N AERIALS INC. REV. 16 JAN., 1996 NO. 353 66	90		
NO.	20.00	Cilvio	IN AERIALS INC. REV. 16 JAN., 1996 NO. 333 00			



PARTS LIST								
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.				
2 3	03-492700 2199980		HANDLE ASSEMBLY, DRIVE CONTROL (with boot)  (Must be modified for this application. Discard shaft that comes with handle, and replace with Item 3.)  BOOT, DRIVE HANDLE  (Not available separately. Comes only with handle)  SHAFT, DRIVE HANDLE	1				
4 5	03-092000 03-092200		COUPLING, MALE (Red, insulated, for #18-#22 AWG) COUPLING, MALE (Blue, insulated, for #14-#16 AWG)	2				
6 7 8	07-040016 2323140 07-029365		The following items <b>are not</b> part of the Drive control handle assembly:  NUT, HEX (3/8"-16, Grade 5) RING, BOOT RETAINING SCREW, TEK (#12-14 x 1", self tap, bonded sealing head)	1 1 2				
				20 (1998) 13 (1998) 14 (1998) 14 (1998)				
TITLE		D.D.	IVE CONTROL HANDLE ASSEMBLY					
PLATE NO. 29.09 SIMON AERIALS INC. NEW 01 MAR., 1994 NO. 3530010								



	PARTS LIST									
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.						
1	Call Simon		DECAL KIT, AT-45 (includes items 2 through 19)	1						
2	10-130600		DECAL, "DANGER" (Hazard listing, at Ground controls)	1						
3	10-150500		DECAL, "DANGER" (Electrocution)	2						
4	10-151200		DECAL, "DANGER" (Hazard listing, at Platform controls)	1						
5	10-012600		DECAL, "OPEN HYDRAULIC TANK VALVES "	j. 1						
6	10-151300		PLACARD, "HYDRAULIC FLUID ONLY"							
7	10-216400		(Black type on white)	1						
8	10-216400		DECAL, GROUND CONTROLS DECAL, "DISENGAGE LOCK PIN "	3						
9	10-148300		DECAL, "Platform capacity 500 Lbs (225 Kg)"	3						
	10-140500		[4-1/2" (114 mm) wide]	2						
10	10-157100		DECAL, "MANUAL BRAKE RELEASE"	1						
11	10-139800		DECAL, "OPERATOR'S MANUAL ENCLOSED"	1						
12	10-117900		PLACARD, "GASOLINE ONLY" (Black type on white)							
			(for versions without optional Diesel engine)	1						
13	10-017100		DECAL, "SIMON" NAME [Black, 7" (178 mm) high]	1						
14	10-017200		DECAL, "SIMON" NAME [Black, 5" (127 mm) high]	2						
15	10-105900		DECAL, "SIMON" NAME [White, 5" (127 mm) high]	1						
16	10-132600		DECAL, "CONSTRUCTOR" NAME	1						
17	10-223200		DECAL, MODEL "AT-45"	2						
18	10-131900		DECAL, SIMON "S" LOGO							
4.0	10.101.000		[Orange/ Gray, 9" (229 mm) wide x 13-1/2" (344 mm)]	2						
19	10-121600		DECAL, "MADE IN U.S.A."	1						
1				[						
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	<b> </b>			[						
	,									
TITLE	TITLE DECALS, AT-45 CONSTRUCTOR (PLATE 1 OF 2)									
	DIATE									
NO.	<sup>-</sup> 99.13	SIMO	NACHIALS IINC. NEW 03 MAR., 1994 NO.							



PARTS LIST									
ITEM	PART NO	SEE SECTION	DESCRIPTION	QTY.					
			The following items <b>are not</b> part of the decal kit:						
20	10-144300		DECAL, GROUND ELECTRICAL CONTROLS	1					
21	10-223900		DECAL, "MAIN/ EMERGENCY PUMP"	1					
22 23	10-131500 10-145300		PLACARD, REMOTE CONTROL PENDANT (with option) DECAL, "Platform capacity 500 Lbs (225 Kg)"	1					
			[18-1/4" (464 mm) wide]	1					
24 25	10-221400 10-221300		PLACARD, PLATFORM CONTROL VALVES DECAL, PLATFORM ELECTRICAL BOX	1 1					
26	10-151100		PLACARD, "DIESEL FUEL ONLY" (Black type on white)						
07	40.040000		(for versions with optional Diesel engine)	1					
27 28	10-016800 10-108600		DECAL, "GAS/ OFF/ PROPANE" (for "Dual fuel" versions)  DECAL, "FOR PROPER OPERATION - SET FUEL "						
			(for "Dual fuel" versions) <b>Note:</b> Decal is marked "2157710"	1					
29	10-094700		DECAL, "CAUTION, HOT WATER "  (used on some versions with liquid cooled engines)	1					
30	10-094900		DECAL, "CAUTION, ROTATING FAN "						
31	10-126800		(used on some versions with exposed engine cooling fans) DECAL, STRIPE [(4) Orange stripes, 3-3/4" (95 mm) wide]	1					
	10 120000		(Bulk item, order as needed) [34 Ft (10.4 M) used here]	A.R.					
	i								
DECALS, AT-45 CONSTRUCTOR (PLATE 2 OF 2)									
PLAT NO.	<sup>E</sup> 99.13	SIMO	N AERIALS INC. NEW 03 MAR., 1994 PART NO.						

