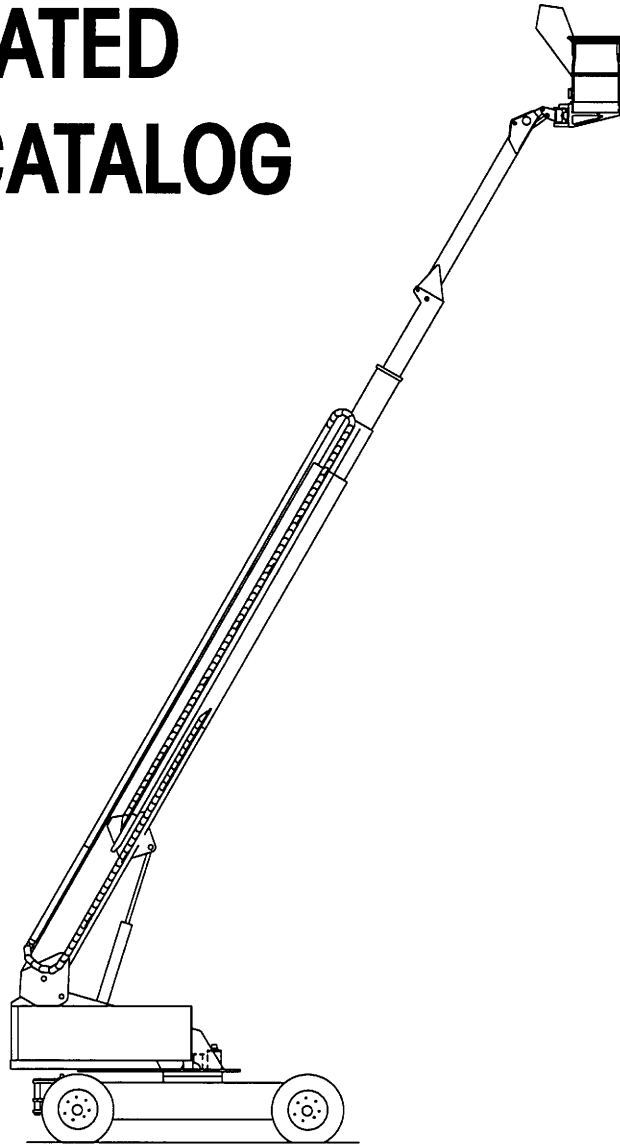


## RP 120 "Reach Plus"

# ILLUSTRATED PARTS CATALOG

FOR MACHINE  
SERIAL NUMBER

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Part No. 89-126005 • Revision "0.3" dated Apr. 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 RP 120 "REACH PLUS" AERIAL 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 ensure proper OPERATION and reliable PERFORMANCE.

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

## HOW TO USE THIS CATALOG

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

The "Table of Contents" pages list the specific sections, pages and page titles that are relevant to this model, and contained in this Catalog. Only those pages that refer specifically to the RP 120 are included in this Catalog.

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

The Parts Catalog is divided into "Sections", numbered from B01 through F99. Each section contains the individual parts that make up a major component, assembly or item. The first four sections (B01, B02, B03, and B04) contain the major assemblies, or "Primary Machine Component Groups". Sections that follow contain sub-assemblies or components of these "major" assemblies.

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

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

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

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

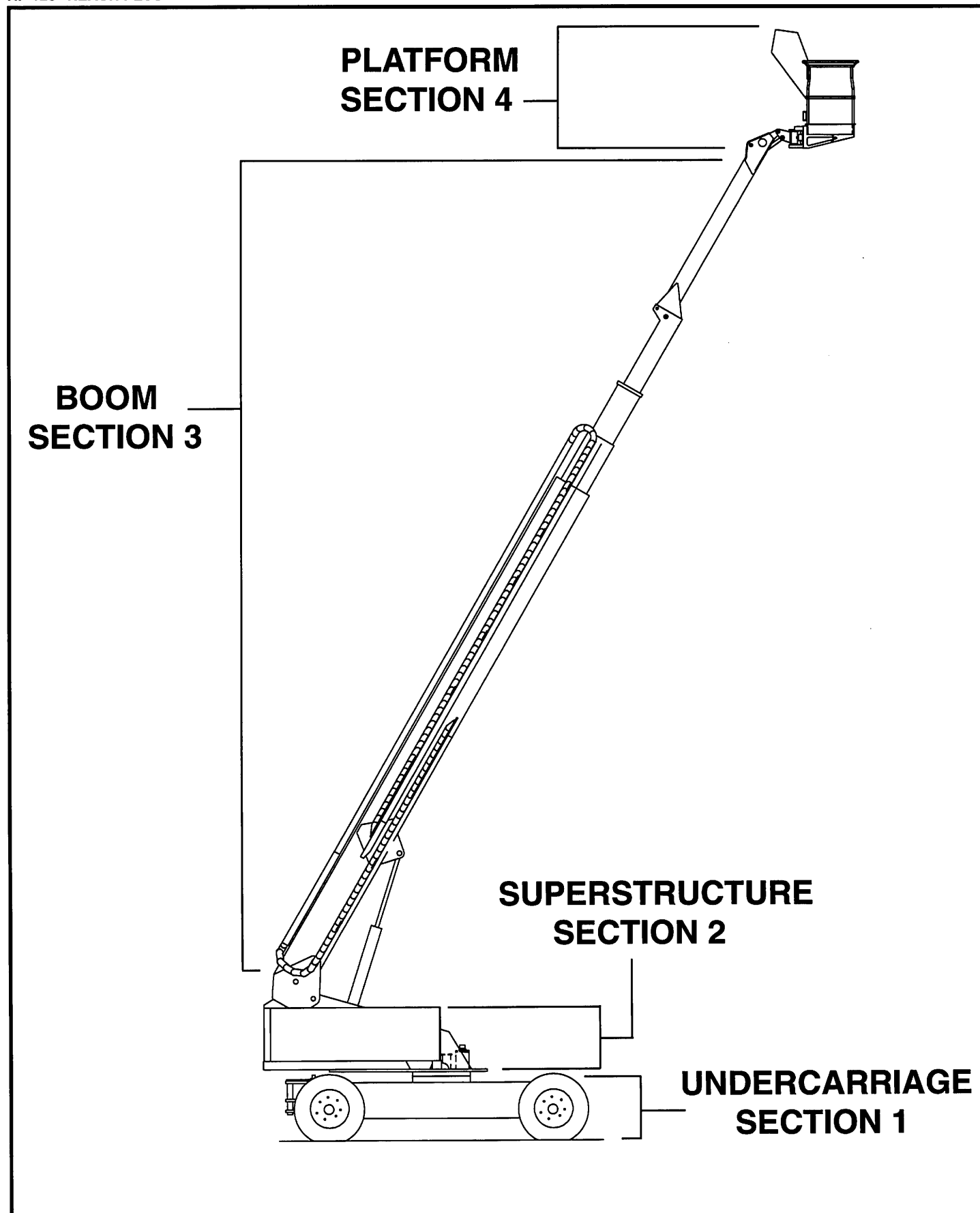
4. Parts Plate number, Item Number and Description of the desired item, OR
5. Part Number of the next assembly (Parent Part), if the desired item is not listed.

Some assembled items, such as hydraulic cylinders, may have been supplied by more than one source. While the assemblies may be able to be used interchangeably, FOR SAFETY'S SAKE, do not mix components or repair kits. Please confirm the make of the assembly on the 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. The Platform must be in the operating position (not in the folded "STOW-N-GO™" mode), and over the non-steering axle. All dimensions are in inches unless otherwise specified.

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

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



TITLE

PRIMARY MACHINE COMPONENT GROUPS

SIMON AERIALS INC.

PART  
NO.PLATE  
NO.

## PARTS LIST

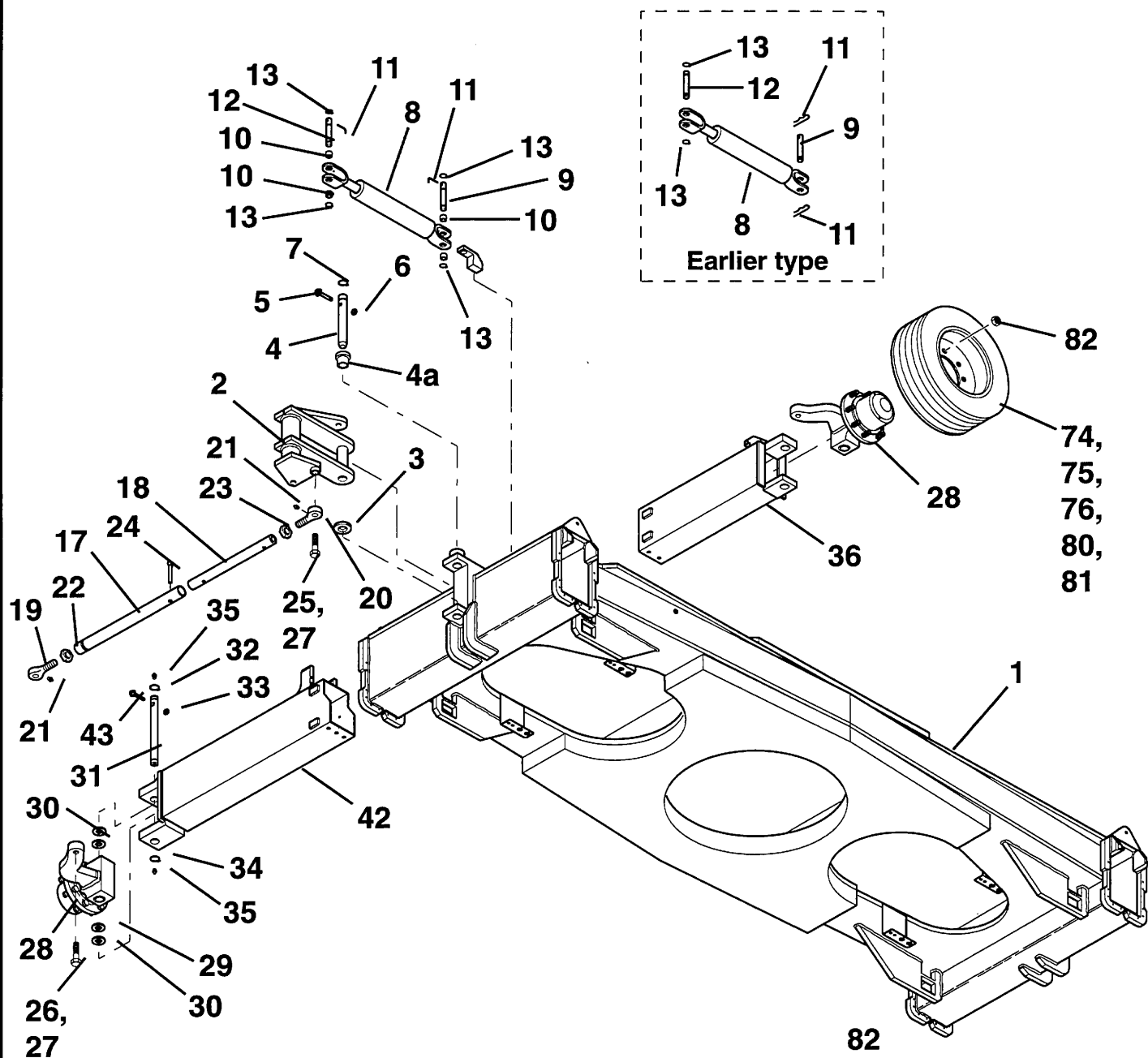
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                                                                    | QTY. |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      |           |             | This undercarriage for long reach, heavy capacity MP or RP series (MPH 80, MP 95, MP 110, RP 120) with extendable axles. For 4WD components, see plate B01.28. |      |
| 1    | 209 5804  |             | UNDERCARRIAGE WELDMENT (for two-wheel drive)                                                                                                                   | 1    |
| 2    | 209 5932  |             | ARM, CENTER STEER (without tow package)                                                                                                                        |      |
|      | (style 1) |             | specify drilled for 1" dia. steer cylinder pin ( <b>no</b> bearings).                                                                                          | 1    |
|      | (style 2) |             | specify drilled for 1-1/4" O.D. steer cylinder pin bearings.                                                                                                   | 1    |
|      |           |             | ( <b>Note:</b> with tow package, <b>also order</b> tow bar pin tube, part number 2103600. Welding required.)                                                   |      |
| 3    | 08-014100 |             | WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)                                                                                                                      | 2    |
| 4    | 208 9962  |             | PIN, STEER ARM (1-1/2" dia. x 19" long)                                                                                                                        | 1    |
| 4a   | 08-002000 |             | BEARING, FLANGED                                                                                                                                               | 1    |
| 5    | 07-003095 |             | CAP SCREW, HEX HEAD (1/2"-13 x 3-1/2", Grade 5)                                                                                                                | 1    |
| 6    | 07-058400 |             | NUT, LOCK (1/2"-13, Grade 8)                                                                                                                                   | 1    |
| 7    | 08-040900 |             | RING, RETAINING (1-1/2")                                                                                                                                       | 1    |
| 8    | See index | D01. --     | CYLINDER, STEER                                                                                                                                                | 1    |
| 9    |           |             | PIN, STEER CYLINDER (base end)                                                                                                                                 |      |
|      | 04-003401 |             | Early type (1" dia. x 3-1/2" long, used with hairpin clip)                                                                                                     | 1    |
|      | 232 8180  |             | Later type (1" x 3-15/16", used with "L" pin 2197360)                                                                                                          | 1    |
| 10   | 08-070400 |             | BEARING, SLEEVE (used with later style pins)                                                                                                                   |      |
|      |           |             | (Bronze, 1" I.D., 1-1/4" O.D., 1/2" long)                                                                                                                      | 4    |
| 11   | 04-003404 |             | CLIP, HAIR PIN (for earlier style pins)                                                                                                                        | 2    |
|      | 219 7360  |             | PIN, LOCK ("L"-type, 2" [51 mm] long, for later style pins)                                                                                                    | 2    |
| 12   |           |             | PIN, STEER CYLINDER (rod end)                                                                                                                                  |      |
|      | 217 1250  |             | Early type (1" dia. x 3-7/16" long, used with hairpin clip)                                                                                                    | 1    |
|      | 232 8180  |             | Later type (1" x 3-15/16", used with "L" pin 2197360)                                                                                                          | 1    |
| 13   | 08-040600 |             | RING, RETAINING (1") (2 used with earlier pins, 4 later)                                                                                                       | A.R. |
| 14   | 10-042700 |             | BOOT, STEER CYLINDER (option, not shown)                                                                                                                       |      |
|      |           |             | (3" I.D., 4-1/2" O.D., 10" long)                                                                                                                               | 1    |
| 15   | 09-008500 |             | CLAMP, HOSE (3-1/2", worm type)                                                                                                                                | 1    |
| 16   | 09-008700 |             | CLAMP, HOSE (4-1/2", worm type)                                                                                                                                | 1    |
| 17   | 209 1367  |             | TIE ROD (outer)                                                                                                                                                | 2    |
| 18   | 209 1358  |             | TIE ROD (inner)                                                                                                                                                | 2    |
| 19   | 08-016800 |             | END, TIE ROD (Right hand thread) (includes grease fitting)                                                                                                     | 2    |
| 20   | 08-016900 |             | END, TIE ROD (Left hand thread) (includes grease fitting)                                                                                                      | 2    |
| 21   | 08-053100 |             | FITTING, GREASE (1/4"-28, Straight)                                                                                                                            | 4    |
| 22   | 07-090004 |             | NUT, JAM (1-1/4"-12, Right hand thread)                                                                                                                        | 2    |
| 23   | 07-090005 |             | NUT, JAM (1-1/4"-12, Left hand thread)                                                                                                                         | 2    |
| 24   | 07-080001 |             | PIN, HITCH (3/4" x 3")                                                                                                                                         | 2    |
| 25   | 07-090008 |             | CAP SCREW, HEX HEAD (1"-8 x 3-1/2", Grade 8)                                                                                                                   | 2    |
| 26   | 07-090009 |             | CAP SCREW, HEX HEAD (1"-8 x 5", Grade 8)                                                                                                                       | 2    |
| 27   | 07-090011 |             | NUT, TOP LOCK (1"-8)                                                                                                                                           | 2    |

TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 1 OF 5)

PLATE NO. B01.12 SIMON AERIALS INC.

REV. 13 MAR., 1995

PART NO.



Art #B01.12004E

TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 1 OF 5)

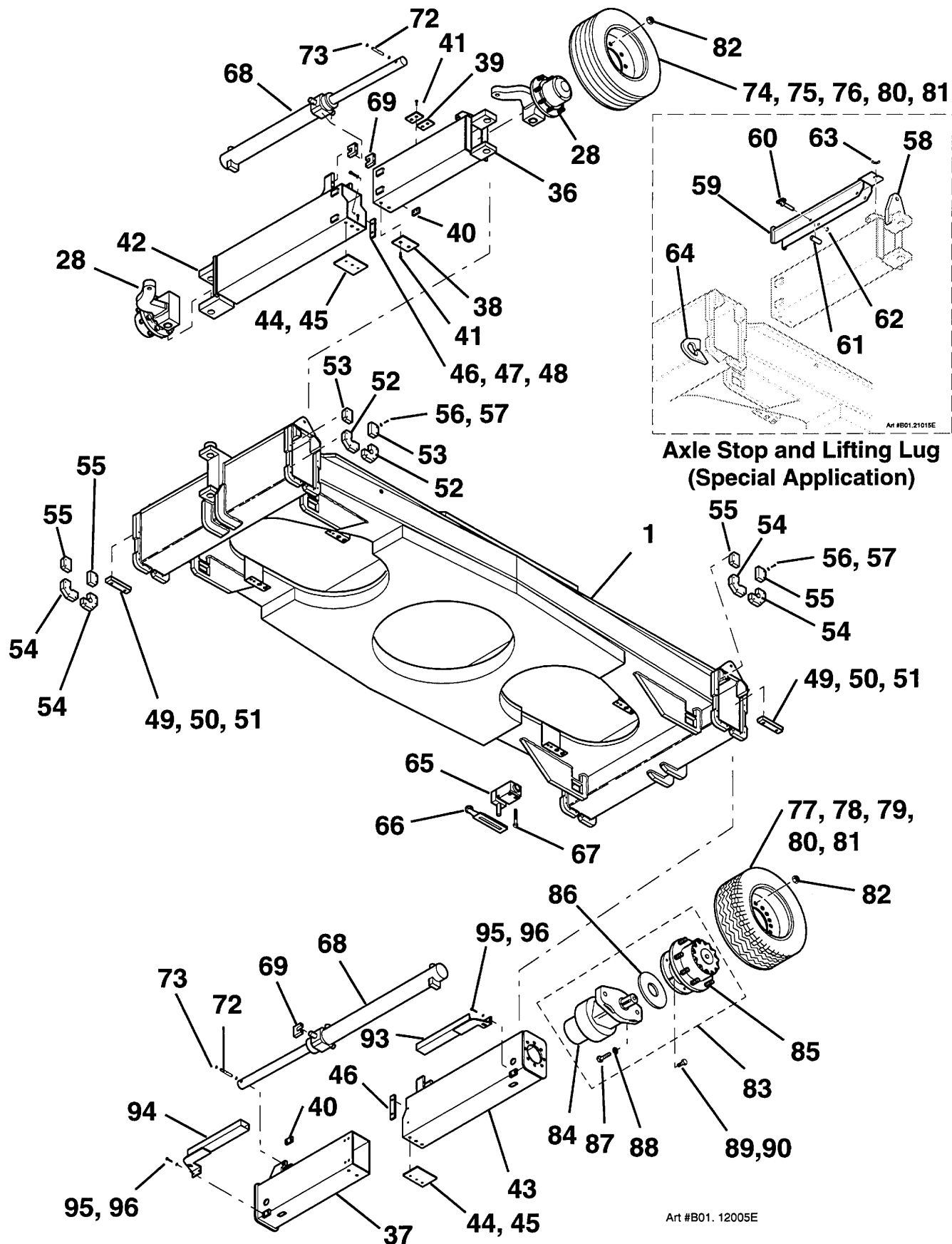
SIMON AERIALS INC.

REV. 13 MAR., 1995

PART  
NO.

PLATE  
NO. B01.12

| PARTS LIST                                        |               |                    |                                                                                                             |          |
|---------------------------------------------------|---------------|--------------------|-------------------------------------------------------------------------------------------------------------|----------|
| ITEM                                              | PART NO       | SEE SECTION        | DESCRIPTION                                                                                                 | QTY.     |
| 28                                                | See plate . . | C01. - -           | SPINDLE ASSEMBLY (for two-wheel drive)                                                                      | 2        |
| 29                                                | 08-014100     |                    | WASHER, THRUST (1-1/2" I.D., 3-1/2" O.D.)                                                                   | 4        |
| 30                                                | 214 2180      |                    | RETAINER, STEER SPINDLE THRUST WASHER                                                                       | 4        |
| 31                                                | 209 1419      |                    | PIN, SPINDLE (1-1/2" dia. x 14-5/16" long)                                                                  | 2        |
| 32                                                | 07-004102     |                    | CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)                                                             | 2        |
| 33                                                | 07-058400     |                    | NUT, LOCK (1/2"-13, Grade 8)                                                                                | 2        |
| 34                                                | 08-040900     |                    | RING, RETAINING (1-1/2")                                                                                    | 4        |
| 35                                                | 08-051300     |                    | FITTING, GREASE (1/4"-28, 90°)                                                                              | 4        |
| 36                                                |               |                    | TUBE ASSEMBLY, STEER AXLE (inner)                                                                           | 1        |
|                                                   | 209 1176      |                    | without lifting lug (Standard version)                                                                      |          |
|                                                   | 233 9840      |                    | with lifting lug (Special application. See Item 58)                                                         |          |
| 37                                                | 214 2040      |                    | TUBE ASSEMBLY, NON STEER AXLE (inner) (no lifting lug)                                                      | 1        |
| 38                                                | 209 1329      |                    | PLATE, INNER AXLE TUBE WEAR (lower)                                                                         | 2        |
| 39                                                | 213 0340      |                    | PLATE, INNER AXLE TUBE WEAR (upper) (earlier versions)                                                      | 4        |
|                                                   | 230 2270      |                    | BEARING PAD AND STOP (inner axle) (later versions)                                                          | 8        |
| 40                                                | 209 1279      |                    | PLATE, INNER AXLE TUBE WEAR (side)                                                                          | 4        |
| 41                                                | 07-090069     |                    | CAP SCREW, FLAT HEAD (1/2"-13 x 1", Grade 5)                                                                | 28       |
| 42                                                |               |                    | TUBE ASSEMBLY, STEER AXLE (outer)                                                                           | 1        |
|                                                   | 209 1181      |                    | without lifting lug (Standard version)                                                                      |          |
|                                                   | 233 9860      |                    | with lifting lug (Special application. See Item 58)                                                         |          |
| 43                                                | 214 2020      |                    | TUBE ASSEMBLY, NON STEER AXLE (outer) (no lifting lug)                                                      | 1        |
| 44                                                | 209 1334      |                    | PLATE, OUTER AXLE TUBE WEAR (lower)                                                                         | 2        |
| 45                                                | 07-090069     |                    | CAP SCREW, FLAT HEAD (1/2"-13 x 1", Grade 5)                                                                | 6        |
| 46                                                | 209 1297      |                    | PLATE, OUTER AXLE TUBE WEAR (side)                                                                          | 2        |
| 47                                                | 07-003085     |                    | CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)<br>(to attach side wear plates. Grind flush after installation) | 4        |
| 48                                                | 07-065018     |                    | WASHER, HELICAL LOCK (1/2")                                                                                 | 4        |
| 49                                                | 209 1284      |                    | STOP BAR, OUTER AXLE TUBE (upper)                                                                           | 2        |
| 50                                                | 07-004154     |                    | CAP SCREW, HEX HEAD (3/4"-10 x 3-1/4", Grade 8)<br>(to attach stop bar to undercarriage)                    | 4        |
| 51                                                | 07-065022     |                    | WASHER, HELICAL LOCK (3/4")                                                                                 | 4        |
| 52                                                | 209 0922      |                    | RETAINER, AXLE (inner tube lower) (Drill at assembly)                                                       | 4        |
| 53                                                | 209 0940      |                    | RETAINER, AXLE (inner tube upper) (Drill at assembly)                                                       | 4        |
| 54                                                | 209 0870      |                    | RETAINER, AXLE (outer tube lower) (Drill at assembly)                                                       | 4        |
| 55                                                | 209 0937      |                    | RETAINER, AXLE (outer tube upper) (Drill at assembly)                                                       | 4        |
| 56                                                | 07-004133     |                    | CAP SCREW, HEX HEAD (5/8"-11 x 3", Grade 8)                                                                 | 48       |
| 57                                                | 07-065021     |                    | WASHER, HELICAL LOCK (5/8")                                                                                 | 48       |
| 58                                                | 233 1180      |                    | LUG, LIFTING (Welded to axle tubes. Special application)                                                    | 4        |
| 59                                                | 233 1260      |                    | STOP/ COVER, AXLE CYLINDER (special application)                                                            | 2        |
| 60                                                | Call Simon    |                    | PIN, HITCH (Axle extend stop retaining)                                                                     | 4        |
| 61                                                | 233 1370      |                    | TUBE, HITCH PIN COVER                                                                                       | 4        |
| 62                                                | Call Simon    |                    | RING, RETAINING                                                                                             | 4        |
| TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 2 OF 5) |               |                    |                                                                                                             |          |
| PLATE NO. B01.12                                  |               | SIMON AERIALS INC. |                                                                                                             | PART NO. |
| REV. 13 MAR., 1995                                |               |                    |                                                                                                             |          |



**Axle Stop and Lifting Lug  
(Special Application)**

TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 2 OF 5)

**SIMON AERIALS INC.**

REV. 13 MAR., 1995

PART  
NO.

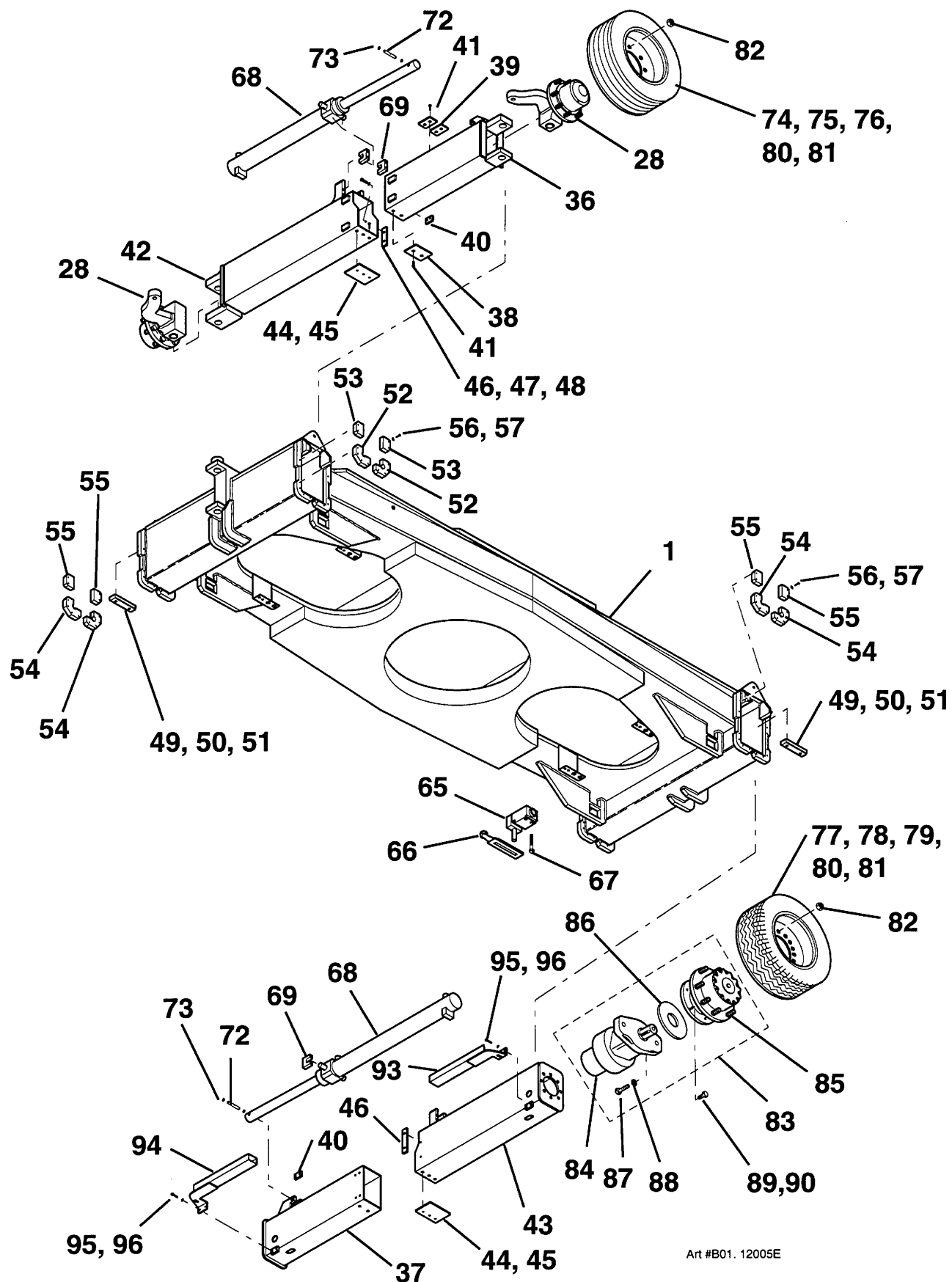
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**B01.12**



| PARTS LIST                                        |            |                    |                                                         |          |
|---------------------------------------------------|------------|--------------------|---------------------------------------------------------|----------|
| ITEM                                              | PART NO    | SEE SECTION        | DESCRIPTION                                             | QTY.     |
| 63                                                | Call Simon |                    | NUT, WING                                               | 4        |
| 64                                                | 233 3400   |                    | LUG, TIE DOWN (special application)                     | 4        |
| 65                                                | 03-493800  |                    | SWITCH, LIMIT (side rotary)                             |          |
|                                                   |            |                    | (2 normally open, 2 normally closed contacts)           | 4        |
| 66                                                | 03-494300  |                    | ARM, LIMIT SWITCH (fixed roller, 2-1/2")                | 4        |
| 67                                                | 07-008354  |                    | CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)       | 8        |
| 68                                                | See index  | D22. - -           | CYLINDER, AXLE EXTEND                                   | 2        |
| 69                                                | 209 0977   |                    | RETAINER, AXLE EXTEND CYLINDER (Trunnion mount)         | 4        |
| 70                                                | 07-003092  |                    | CAP SCREW, HEX HEAD (1/2"-13 x 2-3/4", Grade 5)         | 8        |
| 71                                                | 07-065018  |                    | WASHER, HELICAL LOCK (1/2")                             | 8        |
| 72                                                | 209 1400   |                    | PIN, AXLE CYLINDER (rod end) (1" dia. x 3-3/4" long)    | 2        |
| 73                                                | 08-040600  |                    | RING, RETAINING (1")                                    | 4        |
| 74                                                | 350 9180   |                    | TIRE AND WHEEL ASSEMBLY, STEER (Liquid filled)          | 2        |
|                                                   | 351 2060   |                    | TIRE AND WHEEL ASSEMBLY, STEER (Foam filled)            | 2        |
| 75                                                | 02-003700  |                    | TIRE (15-22.5, 16 Ply, Tubeless, non-directional tread) | 1        |
| 76                                                | 202 9704   |                    | WHEEL ASSEMBLY (22.5" x 12-1/4")                        | 1        |
| 76a                                               | 02-047000  |                    | TUBE, INNER (optional with liquid filled tires)         | 2        |
| 77                                                | 351 1440   |                    | TIRE AND WHEEL ASSEMBLY, DRIVE (Liquid filled)          | 2        |
|                                                   | 351 2050   |                    | TIRE AND WHEEL ASSEMBLY, DRIVE (Foam filled)            | 2        |
| 78                                                | 02-003600  |                    | TIRE (15-22.5, 16 Ply, Tubeless, directional tread)     | 1        |
| 79                                                | 202 9704   |                    | WHEEL ASSEMBLY (22.5" x 12-1/4")                        | 1        |
| 79a                                               | 02-047000  |                    | TUBE, INNER (optional with liquid filled tires)         | 2        |
| 80                                                | 02-038600  |                    | TIRE, NON MARKING (Optional 12" x 20" solid tire)       | 4        |
| 81                                                | 219 6870   |                    | WHEEL ASSEMBLY                                          |          |
|                                                   |            |                    | (Two piece, 20" x 8", for optional solid tire only)     | 4        |
| 82                                                | 07-058123  |                    | NUT, FLANGED (Self locking) (3/4"-16, Grade 5)          | 40       |
| 83                                                | 351 0540   |                    | DRIVE HUB ASSEMBLY                                      | 2        |
| 84                                                | See index  | D03. - -           | MOTOR, HYDRAULIC                                        | 1        |
| 85                                                | See index  | F01. - -           | HUB, TORQUE                                             | 1        |
| 86                                                | 01-030900  |                    | SEAL                                                    | 1        |
| 87                                                | 07-003087  |                    | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)         | 2        |
| 88                                                | 07-065018  |                    | WASHER, HELICAL LOCK (1/2")                             | 2        |
| 89                                                | 07-003128  |                    | CAP SCREW, HEX HEAD (5/8"-11 x 1-3/4", Grade 5)         | 16       |
| 90                                                | 07-065021  |                    | WASHER, HELICAL LOCK (5/8")                             | 16       |
| 91                                                | 214 1980   |                    | TUBE, HYDRAULIC (Drive motor, right) (not shown)        | 1        |
| 92                                                | 214 1990   |                    | TUBE, HYDRAULIC (Drive motor, left) (not shown)         | 1        |
| 93                                                | 214 2270   |                    | CARRIER, HOSE (non-steer axle, left)                    | 1        |
| 94                                                | 214 2280   |                    | CARRIER, HOSE (non-steer axle, right)                   | 1        |
| 95                                                | 07-003086  |                    | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)         |          |
|                                                   |            |                    | (to attach hose carriers)                               | 4        |
| 96                                                | 07-065018  |                    | WASHER, HELICAL LOCK (1/2")                             | 4        |
| TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 3 OF 5) |            |                    |                                                         |          |
| PLATE NO.                                         | B01.12     | SIMON AERIALS INC. |                                                         | PART NO. |
| REV. 13 MAR., 1995                                |            |                    |                                                         |          |





Art #B01. 12005E

TITLE

UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 3 OF 5)

**SIMON AERIALS INC.**

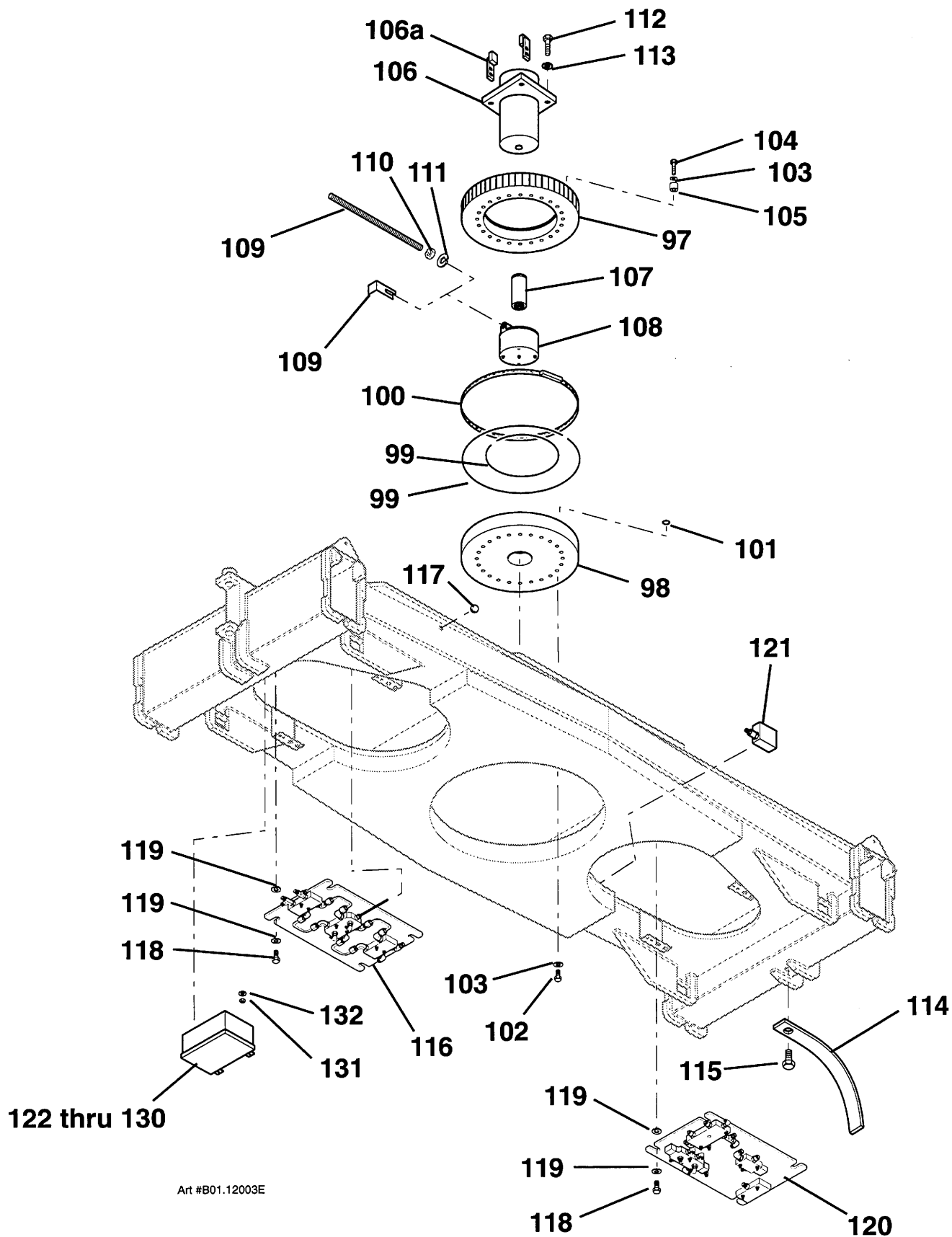
REV. 13 MAR., 1995

PART  
NO.

PLATE  
NO.

**B01.12**

| PARTS LIST                                        |               |                    |                                                                                                                          |          |
|---------------------------------------------------|---------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| ITEM                                              | PART NO       | SEE SECTION        | DESCRIPTION                                                                                                              | QTY.     |
| 97                                                | 08-015000     |                    | SWING BEARING                                                                                                            | 1        |
| 98                                                | 208 8419      |                    | PAN, SWING BEARING OIL                                                                                                   | 1        |
| 99                                                | 10-005500     |                    | SEAL, BEARING (Bulk item, order as needed.<br>17 Ft [5.2 M] used in this application)                                    | A.R.     |
| 100                                               | 09-047600     |                    | CLAMP KIT, SEAL (1/2" wide stainless steel, with hardware)<br>(50 Ft [15.2 M] in kit is sufficient for two applications) | A.R.     |
| 101                                               | 01-040400     |                    | "O"-RING                                                                                                                 | 18       |
| 102                                               | 07-004160     |                    | CAP SCREW, HEX HEAD (Swing bearing to undercarriage)<br>Except RP 120 (3/4"-10 x 6-1/2", Grade 8)                        | 18       |
|                                                   | 07-004162     |                    | For model RP 120 (3/4"-10 x 6", Grade 8)                                                                                 | 18       |
| 103                                               | 07-061022     |                    | WASHER, FLAT (Hardened, 3/4" SAE)                                                                                        | 49       |
| 104                                               |               |                    | CAP SCREW, HEX HEAD (Swing bearing to superstructure)<br>(3/4"-10 x 4-1/2", Grade 8)                                     | 20       |
|                                                   | 07-004162     |                    | (3/4"-10 x 6", Grade 8)                                                                                                  | 11       |
| 105                                               | 209 3349      |                    | SPACER                                                                                                                   | 11       |
| 106                                               | See index     | D02. - -           | SWIVEL, HYDRAULIC                                                                                                        | 1        |
| 106a                                              | 210 1030      |                    | STOP, SWIVEL                                                                                                             | 2        |
| 107                                               | 206 7559      |                    | ADAPTER, HYDRAULIC TO ELECTRICAL SWIVEL                                                                                  | 1        |
| 108                                               | 03-438500     |                    | SWIVEL ASSEMBLY, ELECTRICAL (6 circuit)                                                                                  | 1        |
|                                                   | 03-038200     | E04.02             | SWIVEL ASSEMBLY, ELECTRICAL (4 circuit)<br>(Older version, no longer available. Use 03-438500)                           | 1        |
| 109                                               | 207 0746      |                    | LOCK, ELECTRICAL SWIVEL (some earlier units)                                                                             | 1        |
|                                                   | 11-007006     |                    | ROD, THREADED (1/2"-13 x 18" long) (on later units)                                                                      | 1        |
| 110                                               | 07-040018     |                    | NUT, HEX (1/2"-13, Grade 5)                                                                                              | 1        |
| 111                                               | 07-065018     |                    | WASHER, HELICAL LOCK (1/2")                                                                                              | 1        |
| 112                                               | 07-003087     |                    | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)                                                                          | 4        |
| 113                                               | 07-065018     |                    | WASHER, HELICAL LOCK (1/2")                                                                                              | 4        |
| 114                                               | 03-472100     |                    | STRAP, GROUNDING (option)                                                                                                | 1        |
| 115                                               | 07-058400     |                    | NUT, LUG (1/2"-13, Grade 8)                                                                                              | 1        |
| 116                                               | 351 6830      | C12.01             | SELECTOR VALVE ASSEMBLY (Steer/ Axle extend)                                                                             | 1        |
| 117                                               | 10-042400     |                    | KNOB, BALL (Plastic)                                                                                                     | 1        |
| 118                                               | 07-003045     |                    | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                                              | 8        |
| 119                                               | 07-062016     |                    | WASHER, FLAT (3/8")                                                                                                      | 16       |
| 120                                               | See plate . . | C12.02             | VALVE ASSEMBLY, DRIVE (2 wheel drive)                                                                                    | 1        |
|                                                   | 351 6820      | C12.03             | VALVE ASSEMBLY, DRIVE (2 wheel, 2 speed drive)                                                                           | 1        |
| 121                                               | 01-011400     |                    | VALVE, CARTRIDGE RELIEF                                                                                                  | 1        |
|                                                   |               |                    |                                                                                                                          |          |
|                                                   |               |                    |                                                                                                                          |          |
| TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 4 OF 5) |               |                    |                                                                                                                          |          |
| PLATE NO.                                         | B01.12        | SIMON AERIALS INC. |                                                                                                                          | PART NO. |
|                                                   |               | REV. 13 MAR., 1995 |                                                                                                                          |          |



TITLE

UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 4 OF 5)

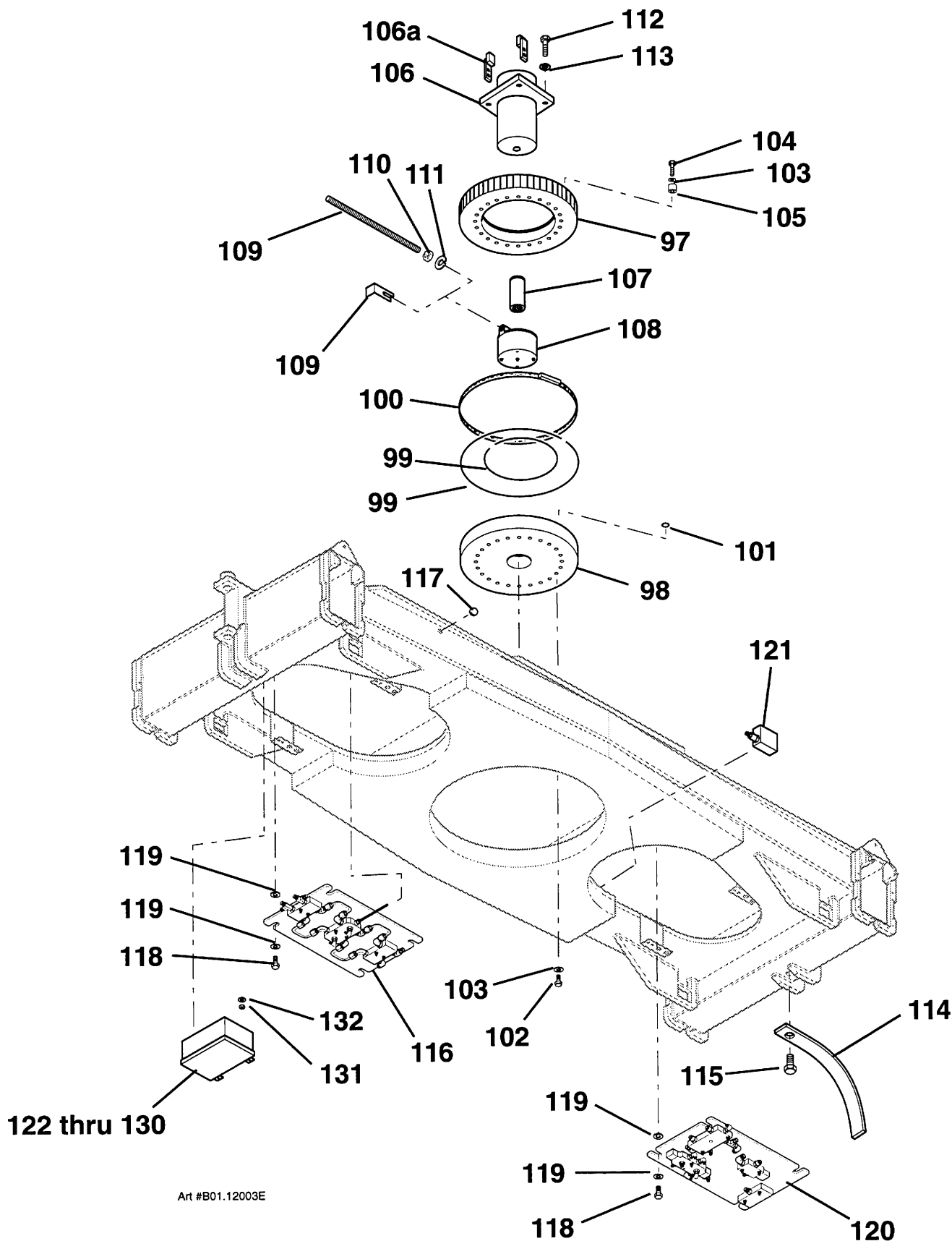
**SIMON AERIALS INC.**

REV. 13 MAR., 1995

PART  
NO.

PLATE  
NO. B01.12

| PARTS LIST                                        |           |                    |                                                                                                        |          |
|---------------------------------------------------|-----------|--------------------|--------------------------------------------------------------------------------------------------------|----------|
| ITEM                                              | PART NO   | SEE SECTION        | DESCRIPTION                                                                                            | QTY.     |
| 122                                               | 352 0350  |                    | JUNCTION BOX ASSEMBLY, LIMIT SWITCH                                                                    | 1        |
| 123                                               | 216 1190  |                    | BOX, JUNCTION (8" x 6" x 3-1/2") (203 x 152 x 89 mm)                                                   | 1        |
| 124                                               | 216 1200  |                    | SUBPLATE                                                                                               | 1        |
| 125                                               | 03-066200 |                    | BLOCK, TERMINAL (25 Amp, for 12 Ga. wire)                                                              | 13       |
| 126                                               | 03-039100 |                    | BLOCK, TERMINAL (Grounding, for 12 Ga. wire)                                                           | 3        |
| 127                                               | 03-066100 |                    | END PLATE, TERMINAL BLOCK                                                                              | 1        |
| 128                                               | 03-051700 |                    | RAIL, CARRIER                                                                                          | 1        |
| 129                                               | 03-041000 |                    | GRIP, CORD (1/2", with .38" to .44" seal)                                                              | 5        |
| 130                                               | 03-045500 |                    | GRIP, CORD (1/2", with .31" to .38" seal))                                                             | 1        |
| 131                                               | 07-040015 |                    | NUT, HEX (5/16"-18, Grade 5)                                                                           | 4        |
| 132                                               | 07-065015 |                    | WASHER, HELICAL LOCK (5/16")                                                                           | 4        |
| 133                                               | 352 0530  |                    | HOSE KIT, 2WD UNDERCARRIAGE                                                                            | 1        |
| 134                                               | 03-085700 |                    | CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)<br>(Bulk item. 54 Ft [16.5 M] required this application) | A.R.     |
| 135                                               | 03-088900 |                    | CABLE, ELECTRICAL (8 conductor, #16 AWG)<br>(Bulk item. 26 Ft [7.9 M] required this application)       | A.R.     |
| 136                                               | 03-064700 |                    | TIE, CABLE (14-1/2" [37 cm] long)                                                                      | 8        |
| 137                                               | 10-113000 |                    | PROTECTOR, HOSE (Rubber, 8" x 12" x 1/8")                                                              | 4        |
| 138                                               | 205 4670  |                    | CLAMP, HOSE (2 hole, #4)                                                                               | 2        |
| 139                                               | 10-060800 |                    | CLAMP (1/2")                                                                                           | 34       |
|                                                   |           |                    | Items 140 through 146 are used only on versions with the<br><b>two speed drive</b> option:             |          |
| 140                                               |           |                    | VALVE, SOLENOID (High/ Low Drive)<br>(with <b>optional two speed drive</b> only)                       |          |
|                                                   | 01-037100 |                    | 3-way                                                                                                  | 1        |
|                                                   | 01-230400 |                    | 4-way                                                                                                  | 1        |
| 141                                               | 06-003800 |                    | 90° ELBOW, MALE 37° TO NPT (6 CTX-S)                                                                   | 2        |
| 142                                               | 06-000700 |                    | CONNECTOR, MALE (6 FTX-S)                                                                              | 1        |
| 143                                               | 06-054500 |                    | RUN TEE, 37° SWIVEL NUT (6 R6X-S)                                                                      | A.R.     |
| 144                                               | 07-003010 |                    | CAP SCREW, HEX HEAD (1/4"-20 x 2-1/4", Grade 5)                                                        | 2        |
| 145                                               | 07-062014 |                    | WASHER, FLAT (1/4")                                                                                    | 6        |
| 146                                               | 07-050014 |                    | NUT, HEX LOCK (1/4"-20, Grade 5)                                                                       | 2        |
|                                                   |           |                    |                                                                                                        |          |
|                                                   |           |                    |                                                                                                        |          |
| TITLE UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 5 OF 5) |           |                    |                                                                                                        |          |
| PLATE NO.                                         | B01.12    | SIMON AERIALS INC. |                                                                                                        | PART NO. |
|                                                   |           |                    | REV. 13 MAR., 1995                                                                                     |          |



TITLE

UNDERCARRIAGE ASSEMBLY (2WD) (PLATE 5 OF 5)

**SIMON AERIALS INC.**

REV. 13 MAR., 1995

PART  
NO.

PLATE  
NO.

**B01.12**



## PARTS LIST

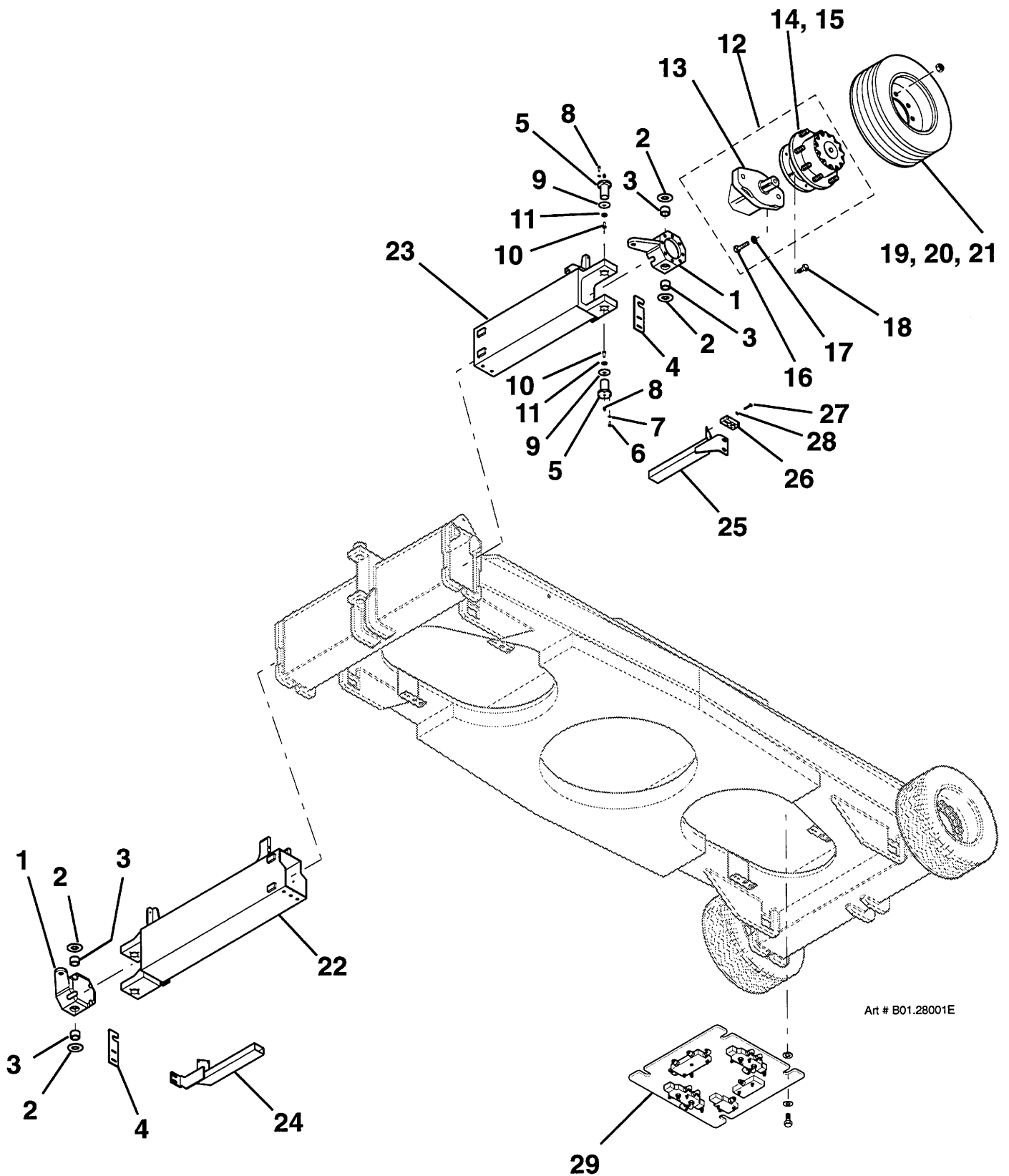
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                        | QTY. |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------|------|
| 1    | 3509809   |             | SPINDLE ASSEMBLY, FRONT DRIVE<br>(for four-wheel drive. Replaces part shown on 2WD plate.)         | 2    |
| 2    | 2160130   |             | WASHER, THRUST (2-1/2" I.D., 5" O.D.)<br>(for four-wheel drive. Replaces part shown on 2WD plate.) | 4    |
| 3    | 08-061600 |             | BEARING, SLEEVE (2-1/2" I.D., 3" O.D., 2" long)                                                    | 4    |
| 4    | 2172040   |             | BRACKET, HOSE                                                                                      | 2    |
| 5    | 2142740   |             | PIN, STEER (for 4WD. Replaces part shown on 2WD plate.)                                            | 4    |
| 6    | 07-008046 |             | CAP SCREW, SOC.HD (3/8"-16 x 1-1/4", Grade 8)                                                      | 16   |
| 7    | 07-065016 |             | WASHER, HELICAL LOCK (3/8")                                                                        | 16   |
| 8    | 08-051300 |             | FITTING, GREASE (1/8", 90°)                                                                        | 4    |
| 9    | 2142180   |             | RETAINER, STEER SPINDLE BUSHING                                                                    | 4    |
| 10   | 07-003085 |             | CAP SCREW, HEX HEAD (1/2"-13 x 1", Grade 5)                                                        | 4    |
| 11   | 07-065016 |             | WASHER, HELICAL LOCK (1/2")                                                                        | 4    |
| 12   | 3515780   |             | DRIVE HUB ASSEMBLY (steer wheels)                                                                  | 2    |
| 13   | See index | D03.--      | MOTOR, HYDRAULIC (without brake)                                                                   | 1    |
| 14   | See index | F01.--      | HUB, TORQUE                                                                                        | 1    |
| 15   | 01-030900 |             | SEAL                                                                                               | 1    |
| 16   | 07-003087 |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)                                                    | 2    |
| 17   | 07-065018 |             | WASHER, HELICAL LOCK (1/2")                                                                        | 2    |
| 18   | 07-004128 |             | CAP SCREW, HEX HD (5/8"-11 x 1-3/4", Grade 8)                                                      | 12   |
| 19   | 3514800   |             | TIRE AND WHEEL ASSEMBLY, DRIVE/ STEER (Liquid)                                                     | 2    |
|      | 3514810   |             | TIRE AND WHEEL ASSEMBLY, DRIVE/ STEER (Foam)                                                       | 2    |
| 20   | 02-003600 |             | TIRE (15-22.5, 16 Ply, Tubeless, directional tread)                                                | 1    |
| 21   | 2131830   |             | WHEEL ASSEMBLY, DRIVE/ STEER (22.5" x 12-1/4")                                                     | 1    |
| 22   | 2142670   |             | TUBE ASSEMBLY, STEER AXLE (outer)                                                                  | 1    |
| 23   | 2142680   |             | TUBE ASSEMBLY, STEER AXLE (inner)                                                                  | 1    |
| 24   | 2172010   |             | CARRIER, HOSE (inner)                                                                              | 1    |
| 25   | 2172020   |             | CARRIER, HOSE (outer)                                                                              | 1    |
| 26   | 2172070   |             | CLAMP, HOSE                                                                                        | 6    |
| 27   | 07-003031 |             | CAP SCREW, HEX HEAD (5/16"-18 x 2-1/2", Grade 5)                                                   | 12   |
| 28   | 07-062015 |             | WASHER, FLAT (5/16")                                                                               | 12   |
| 29   | 3522680   | C12.04      | VALVE ASSEMBLY, DRIVE                                                                              | 1    |
|      |           |             | <b>The following parts are not illustrated:</b>                                                    |      |
| 30   | 3522830   |             | HOSE KIT, 4WD UNDERCARRIAGE                                                                        | 1    |
| 31   | 03-064700 |             | TIE, CABLE [14-1/2" (37 cm) long]                                                                  | 10   |
| 32   | 06-039500 |             | ADAPTER, "O"-RING TO 37° (4-6 F50X-S)                                                              | 2    |
| 33   | 06-040800 |             | ADAPTER, "O"-RING TO 37° (12 F50X-S)                                                               | 4    |
| 34   | 06-097400 |             | 90° ADAPTER, BENT STEM (4 IT3-12-12)                                                               | 2    |
| 35   | 10-113000 |             | PROTECTOR, HOSE<br>[Rubber, 8" x 12" (203 mm x 305 mm) x 1/8" (3 mm) thick]                        | 4    |

**TITLE** FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP EXTENDABLE AXLE

**PLATE NO.** B01.28 **SIMON AERIALS INC.**

REV. 16 JUN., 1994

**PART NO.**



Art # B01.28001E

TITLE FOUR-WHEEL DRIVE OPTION COMPONENTS, MP/ RP EXTENDABLE AXLE

**SIMON AERIALS INC.**

REV. 16 JUN., 1994

PART  
NO.

PLATE  
NO. **B01.28**



# PARTS LIST

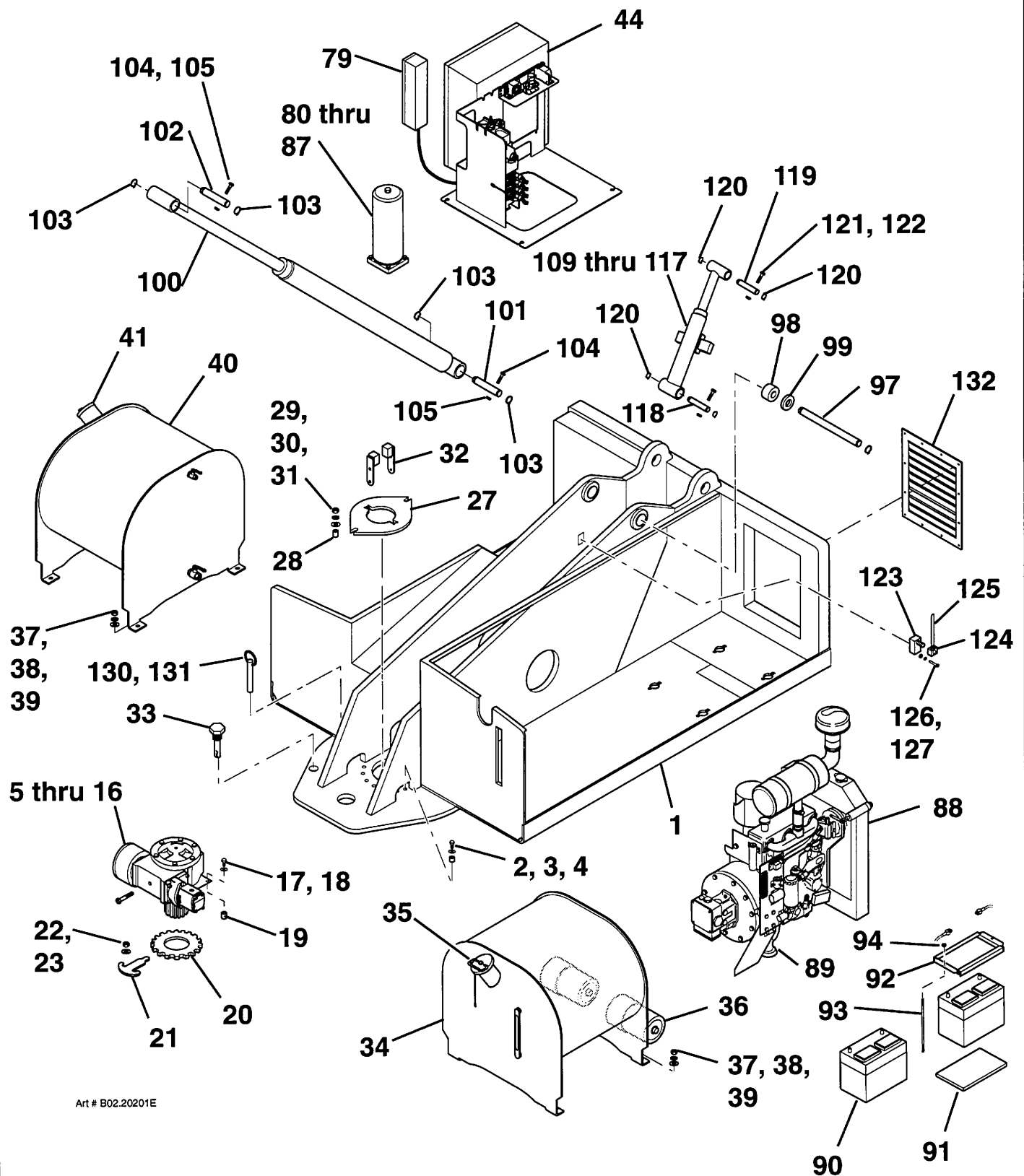
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                        | QTY. |
|------|-----------|-------------|----------------------------------------------------|------|
| 1    | 2129800   |             | SUPERSTRUCTURE WELDMENT                            | 1    |
| 2    | 07-004152 |             | CAP SCREW, HEX HEAD (3/4"-10 x 2-3/4", Grade 8)    | 19   |
|      | 07-004158 |             | CAP SCREW, HEX HEAD (3/4"-10 x 4-1/2", Grade 8)    | 11   |
| 3    | 07-061022 |             | WASHER, FLAT (3/4", SAE)                           | 30   |
| 4    | 2093349   |             | SPACER, SWING BEARING                              | 11   |
| 5    |           |             | SPEED REDUCER (Swing drive) ASSEMBLY               | 1    |
| 6    | See Index | D06.--      | MOTOR, HYDRAULIC SWING                             | 1    |
| 7    | See Index | F02.--      | REDUCER, SWING (Worm gear type, with brake)        | 1    |
| 8    | 06-044600 |             | 90° ELBOW, STRAIGHT THREAD (6 C50X-S)              | 2    |
| 9    | 06-048500 |             | RUN TEE, MALE "O"-RING (6 R50X-S)                  | 2    |
| 10   | 06-079000 |             | CONNECTOR, SWIVEL NUT (6 F65X-S)                   | 1    |
| 11   | 06-090800 |             | REDUCER/ EXPANDER (10-6 F50 G5-S)                  | 2    |
| 12   | 06-191900 |             | ADAPTER, "O"-RING TO 37° (6-4 F50X-S)              | 1    |
| 13   | 06-051500 |             | 90° ELBOW, SWIVEL NUT (6 C6X-S)                    | 2    |
| 14   | 07-008043 |             | CAP SCREW, SOCKET HEAD (3/8"-16 x 3/4", Grade 8)   | 4    |
| 15   | 08-066300 |             | CAP, GREASE FITTING (Plastic)                      | 1    |
| 16   | 3508109   |             | TUBE ASSEMBLY                                      | 2    |
| 17   | 07-008131 |             | CAP SCREW, SOCKET HEAD (5/8"-11 x 2-1/2", Grade 8) | 4    |
| 18   | 07-061021 |             | WASHER, FLAT (5/8", SAE)                           | 8    |
| 19   | 2096362   |             | SPACER, SPEED REDUCER                              | 4    |
| 20   | 2112420   |             | ECCENTRIC, SWING DRIVE                             | 1    |
| 21   | 2141070   |             | PLATE, ECCENTRIC LOCK                              | 1    |
| 22   | 07-050016 |             | NUT, LOCK (3/8"-16, Grade 5)                       | 2    |
| 23   | 07-062016 |             | WASHER, FLAT (3/8")                                | 2    |
| 24   | 2054670   |             | CLAMP, HOSE (2 hole, #4)                           | 1    |
| 25   | 07-050014 |             | NUT, LOCK (1/4"-20, Grade 5)                       | 1    |
| 26   | 07-062014 |             | WASHER, FLAT (1/4")                                | 1    |
| 27   | 2075857   |             | RETAINER, HYDRAULIC SWIVEL                         | 1    |
| 28   | 2075833   |             | SPACER, SWIVEL LOCK                                | 2    |
| 29   | 07-058400 |             | NUT, LOCK (1/2"-13, Grade 8)                       | 2    |
| 30   | 07-062018 |             | WASHER, FLAT (1/2")                                | 2    |
| 31   | 10-002600 |             | WASHER, FENDER (1/2" I.D., 2" O.D.)                | 2    |
| 32   | 2101030   |             | STOP, HYDRAULIC SWIVEL (bolts to swivel)           | 2    |
| 33   | 2075125   |             | DIPSTICK (Swing bearing filler cap)                | 1    |
| 34   | See Index | C10.--      | TANK ASSEMBLY, HYDRAULIC                           | 1    |
| 35   | 10-002100 |             | CAP, HYDRAULIC TANK FILLER                         | 1    |
| 36   | See Index | D07.--      | PUMP, EMERGENCY HYDRAULIC                          | 2    |
| 37   | 07-040018 |             | NUT, HEX (1/2"-13, Grade 5)                        | 8    |
| 38   | 07-065018 |             | WASHER, HELICAL LOCK (1/2")                        | 8    |
| 39   | 07-062018 |             | WASHER, FLAT (1/2")                                | 24   |
| 40   | See Index | C11.--      | TANK ASSEMBLY, FUEL                                | 1    |
| 41   | 10-001900 |             | CAP, FUEL TANK FILLER (Vented, Anti-surge)         | 1    |

TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 1 OF 6)

PLATE NO. B02.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 1 OF 6)

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B02.202

## PARTS LIST

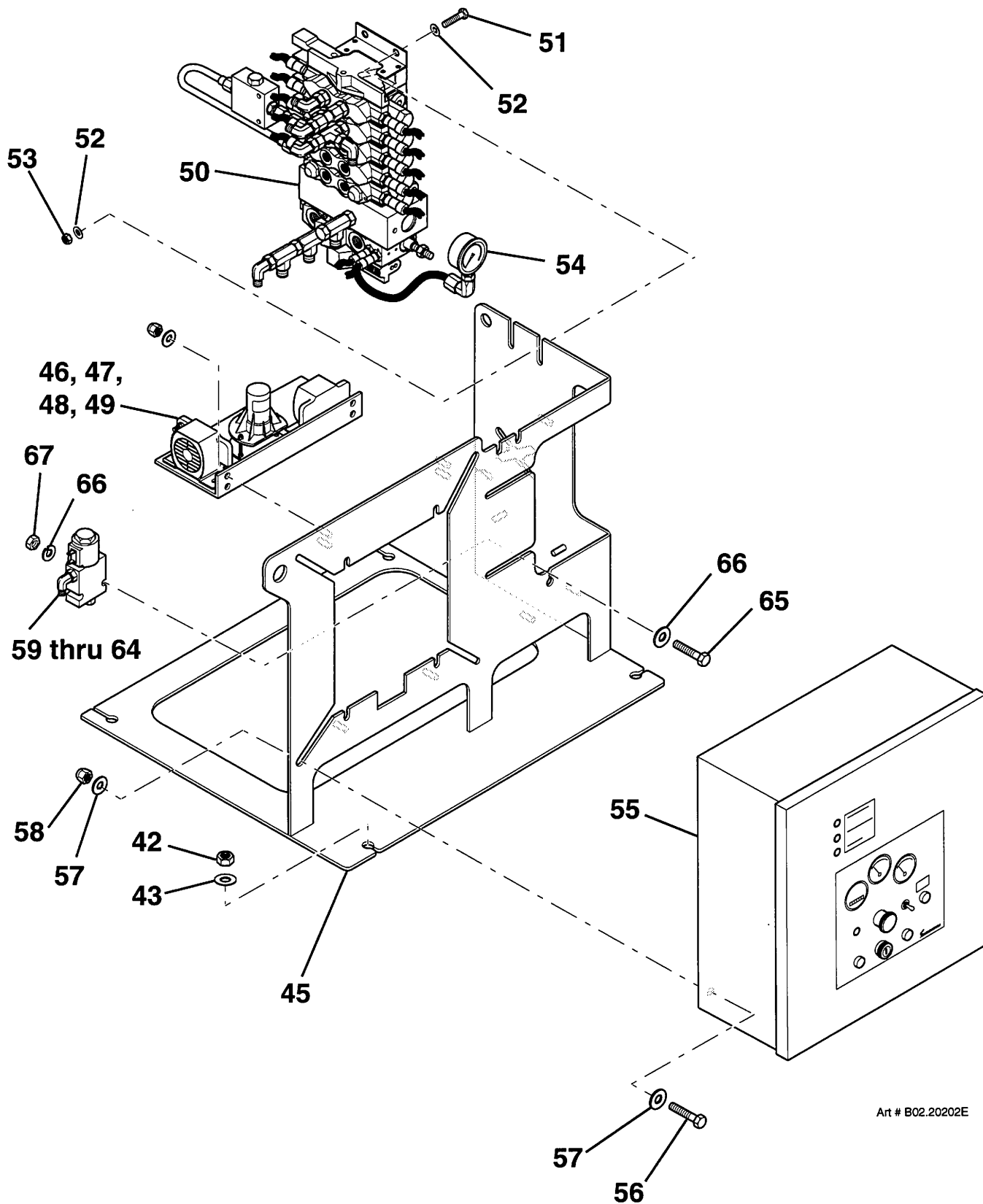
| ITEM | PART NO       | SEE SECTION | DESCRIPTION                                                                                       | QTY. |
|------|---------------|-------------|---------------------------------------------------------------------------------------------------|------|
| 42   | 07-058400     |             | NUT, LOCK (1/2"-13, Grade 8)                                                                      | 4    |
| 43   | 07-062018     |             | WASHER, FLAT (1/2")                                                                               | 4    |
| 44   | 3538370       |             | GROUND CONTROL ASSEMBLY                                                                           | 1    |
| 45   | 2329350       |             | BRACKET, GROUND CONTROL                                                                           | 1    |
| 46   | See Index     | E08.--      | ALARM ASSEMBLY                                                                                    | 1    |
| 47   | 03-038100     |             | SENSOR, LEVEL (2 second delay)                                                                    | 1    |
| 48   | 03-464600     |             | HORN, LEVEL WARNING (102 dba, 12/ 24 volt DC)                                                     | 1    |
| 49   | 03-472000     |             | ALARM, MOVEMENT                                                                                   | 1    |
| 50   | 3538380       | C02.202     | MANIFOLD ASSEMBLY                                                                                 | 1    |
| 51   | 07-003045     |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                       | 3    |
| 52   | 07-062016     |             | WASHER, FLAT (3/8")                                                                               | 6    |
| 53   | 07-050016     |             | NUT, HEX TOP LOCK (3/8"-16, Grade 5)                                                              | 3    |
| 54   | 01-021000     |             | GAUGE, HYDRAULIC PRESSURE<br>(0 to 4000 PSI, 1/4" Male NPT)                                       | 1    |
| 55   | See plate . . | C03. - -    | PANEL ASSEMBLY, GROUND ELECTRICAL                                                                 | 1    |
| 56   | 07-003004     |             | CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)                                                     | 4    |
| 57   | 07-062014     |             | WASHER, FLAT (1/4")                                                                               | 8    |
| 58   | 07-050014     |             | NUT, HEX LOCK (1/4"-20, Grade 5)                                                                  | 4    |
| 59   | 01-093500     |             | VALVE, SOLENOID (Dump valve)                                                                      | 1    |
| 60   | 01-093501     |             | COIL, SOLENOID VALVE                                                                              | 1    |
| 61   | 06-039800     |             | ADAPTER, "O"-RING TO 37° (6 F50X-S)                                                               | 1    |
| 62   | 06-044600     |             | 90° ELBOW, STRAIGHT THREAD (6 C50X-S)                                                             | 1    |
| 63   | 06-080200     |             | 90° STREET ELBOW (1/4 CD-S)                                                                       | 1    |
| 64   | 06-212300     |             | ADAPTER (6 WGTX-WLN)                                                                              | 1    |
| 65   | 07-003009     |             | CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)                                                       | 2    |
| 66   | 07-062014     |             | WASHER, FLAT (1/4")                                                                               | 4    |
| 67   | 07-050014     |             | NUT, HEX LOCK (1/4"-20, Grade 5)                                                                  | 2    |
| 68   | 03-473900     |             | TERMINAL, PIN                                                                                     | 24   |
| 69   | 03-474100     |             | SEAL, WIRE (.079" to .110" dia.)                                                                  | 24   |
| 70   | 03-486000     |             | HOUSING, TERMINAL (2 conductor)                                                                   | 12   |
| 71   | 03-502600     |             | CONNECTOR, STRAIGHT (3/4")                                                                        | 1    |
| 72   | 03-503000     |             | CONDUIT (1/2" I.D., 3/4" O.D., non-slit)<br>(Bulk item, order as needed. 2 Ft [.6 M] needed here) | A.R. |
| 73   | 03-503100     |             | CONDUIT (3/4" I.D., 1" O.D., non-slit)<br>(Bulk item, order as needed. 4 Ft [1.2 M] needed here)  | A.R. |
| 74   | 03-504200     |             | TEE, CONDUIT (3/4" x 1/2" x 3/4")                                                                 | 2    |
| 75   | 07-003045     |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                       | 3    |
| 76   | 07-003048     |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)                                                   | 1    |
| 77   | 07-050016     |             | NUT, HEX TOP LOCK (3/8"-16, Grade 5)                                                              | 2    |
| 78   | 07-062016     |             | WASHER, FLAT (3/8")                                                                               | 2    |

TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 2 OF 6)

PLATE NO. B02.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



Art # B02.20202E

TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 2 OF 6)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B02.202



## PARTS LIST

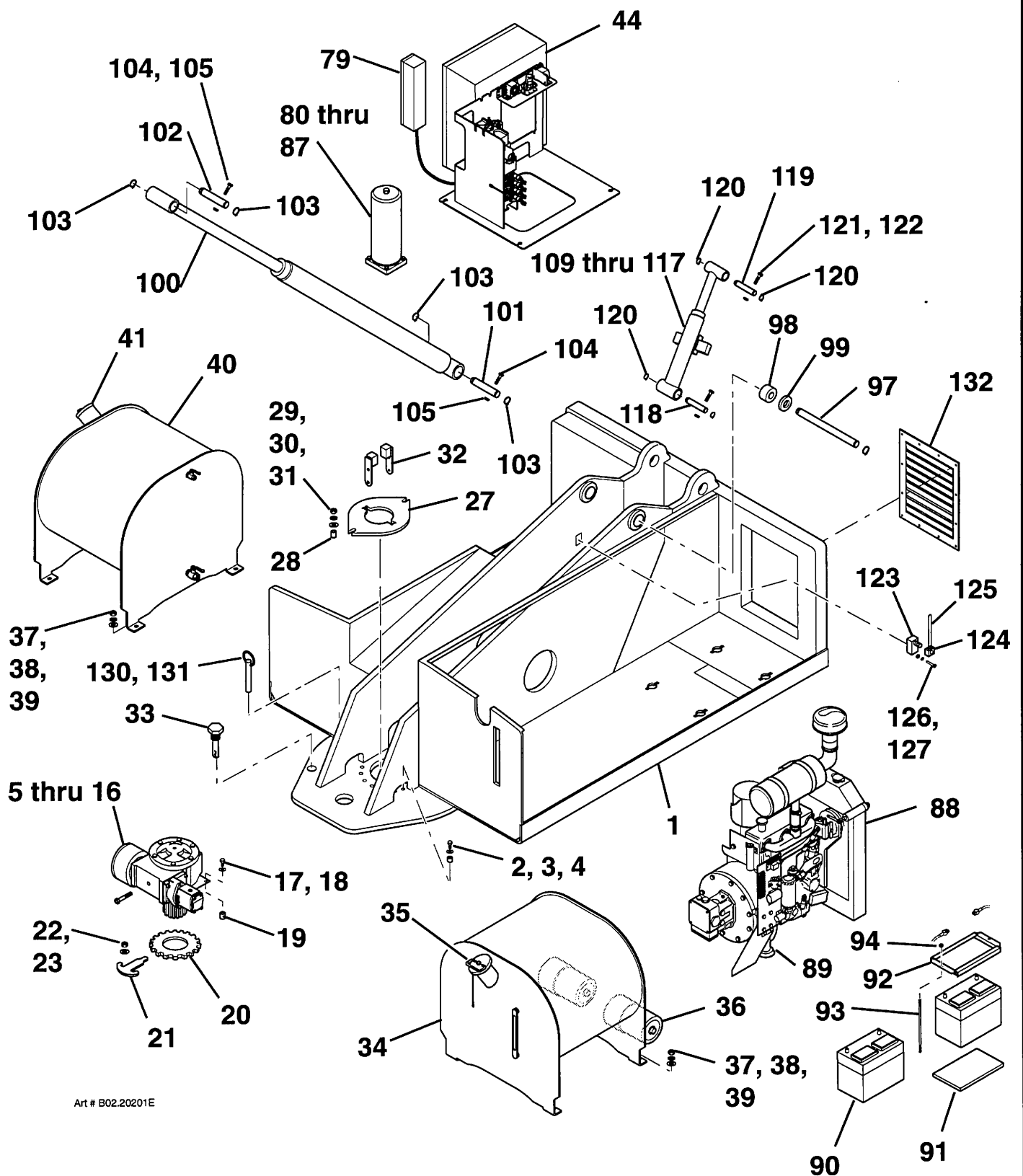
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                     | QTY. |
|------|-----------|-------------|-----------------------------------------------------------------|------|
| 79   | See Index | C06.--      | PENDANT ASSEMBLY, REMOTE CONTROL                                | 1    |
| 80   | See Index | D11.--      | FILTER, HYDRAULIC (High pressure)                               | 1    |
| 81   | 01-014001 |             | ELEMENT, FILTER (10 micron, paper)                              | 1    |
| 82   | 06-045400 |             | 90° ELBOW, STRAIGHT THREAD (12 C50X-S)                          | 2    |
| 83   | 06-092500 |             | REDUCER/ EXPANDER (24-12 F50 G5-S)                              | 2    |
| 84   | 10-002600 |             | WASHER, FENDER (1/2" I.D., 2" O.D.)                             | 4    |
| 85   | 10-086500 |             | WASHER, RUBBER (1/2" I.D., 2" O.D.)                             | 4    |
| 86   | 07-062016 |             | WASHER, FLAT (3/8")                                             | 6    |
| 87   | 07-050016 |             | NUT, TOP LOCK (3/8"-16, Grade 5)                                | 4    |
| 88   | See Index | C04.--      | ENGINE ASSEMBLY                                                 | 1    |
| 89   |           |             | MOUNT, ENGINE                                                   | 4    |
| 90   | 03-010001 |             | BATTERY (12 Volt, 95 Amp)                                       | 2    |
| 91   | 10-112900 |             | PROTECTOR, BATTERY (Rubber, 7" x 11" x 1/8")                    | 2    |
| 92   | 03-064300 |             | HOLD DOWN, BATTERY                                              | 2    |
| 93   | 2018274   |             | ROD, THREADED (3/8"-16 x 8" long)                               | 4    |
| 94   | 07-040016 |             | NUT, HEX (3/8"-16, Grade 5)                                     | 6    |
| 95   | 03-451800 |             | CABLE, BATTERY (negative)<br>(Black, #2 AWG, 1/2" ring one end) | 1    |
| 96   | 03-072400 |             | CABLE, BATTERY (positive) (#4 AWG, 75" [1.9 M] long)            | 1    |
|      | 03-451900 |             | CABLE, BATTERY (positive) (Red, #2 AWG, 98" [2.5 M])            | 1    |
| 97   | 2091626   |             | PIN, BOOM PIVOT (2-3/4" x 24-3/16")                             | 1    |
| 98   | 2176930   |             | BUSHING, BOOM PIVOT                                             | 2    |
| 99   | 2131880   |             | WASHER, THRUST                                                  | 2    |
| 100  | See Index | D09.--      | CYLINDER, BOOM LIFT                                             | 1    |
| 101  | 2091619   |             | PIN, LIFT CYLINDER (base end)                                   | 1    |
| 102  | 2089186   |             | PIN, LIFT CYLINDER (rod end) (2-1/2" x 15-11/16")               | 1    |
| 103  | 08-043000 |             | RING, RETAINING (2-1/2")                                        | 4    |
| 104  | 07-004102 |             | CAP SCREW, HEX HEAD (1/2"-13 x 4-1/2", Grade 8)                 | 2    |
| 105  | 07-058400 |             | NUT, LOCK (1/2"-13, Grade 8)                                    | 2    |
| 106  | 08-050000 |             | FITTING, GREASE (1/8", Straight)                                | 1    |
| 107  | 08-051300 |             | FITTING, GREASE (1/8", 90°)                                     | 1    |
| 108  | 08-066300 |             | CAP, GREASE FITTING (Plastic)                                   | 2    |
|      |           |             |                                                                 |      |
|      |           |             |                                                                 |      |
|      |           |             |                                                                 |      |

TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 3 OF 6)

PLATE NO. B02.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 3 OF 6)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B02.202

| PARTS LIST                                           |                        |                    |                                                                                                       |          |
|------------------------------------------------------|------------------------|--------------------|-------------------------------------------------------------------------------------------------------|----------|
| ITEM                                                 | PART NO                | SEE SECTION        | DESCRIPTION                                                                                           | QTY.     |
| 109                                                  | See Index<br>04-028202 | D10.--             | CYLINDER ASSEMBLY, MASTER LEVEL                                                                       | 1        |
| 110                                                  |                        |                    | CYLINDER, MASTER LEVEL                                                                                | 1        |
| 111                                                  |                        |                    | VALVE, RELIEF                                                                                         | 2        |
| 112                                                  |                        |                    | ELBOW                                                                                                 | 2        |
| 113                                                  |                        |                    | CONNECTOR                                                                                             | 1        |
| 114                                                  |                        |                    | ELBOW                                                                                                 | 1        |
| 115                                                  |                        |                    | FITTING, GREASE                                                                                       | 1        |
| 116                                                  |                        |                    | FITTING, GREASE                                                                                       | 1        |
| 117                                                  | 08-066300              |                    | CAP, GREASE FITTING (Plastic)                                                                         | 1        |
| 118                                                  | 2311970                |                    | PIN, MASTER CYLINDER (1-1/4" x 6-1/2")                                                                | 1        |
| 119                                                  | 2311960                |                    | PIN, MASTER CYLINDER (1-1/4" x 5-1/8")                                                                | 1        |
| 120                                                  | 08-040700              |                    | RING, RETAINING (1-1/4")                                                                              | 4        |
| 121                                                  | 07-003093              |                    | CAP SCREW, HEX HEAD (1/2"-13 x 3", Grade 5)                                                           | 2        |
| 122                                                  | 07-058400              |                    | NUT, LOCK (1/2"-13, Grade 8)                                                                          | 2        |
| 123                                                  | 03-493800              |                    | SWITCH, LIMIT (Side rotary)<br>(2 normally open, 2 normally closed contacts)                          | 1        |
| 124                                                  | 03-494100              |                    | ARM, LIMIT SWITCH (includes 6" nylon loop, which must be removed and replaced with rod, below)        | 1        |
| 125                                                  | 2010906                |                    | ARM, LIMIT SWITCH (Stainless steel rod)                                                               | 1        |
| 126                                                  | 07-008356              |                    | CAP SCREW, SOCKET HEAD (#10-24 x 1-3/4", Grade 8)                                                     | 2        |
| 127                                                  | 07-062011              |                    | WASHER, FLAT (#10)                                                                                    | 2        |
| 128                                                  | 03-085700              |                    | CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)<br>(Bulk item, 16 Ft [4.9 M] required this application) | A.R.     |
| 129                                                  | 03-041000              |                    | GRIP, CORD (1/2", with .38" to .44" seal)                                                             | 1        |
| 130                                                  | 07-080004              |                    | PIN, HITCH (1-1/4" x 7") (includes hairpin clip)                                                      | 1        |
| 131                                                  |                        |                    | CLIP, HAIRPIN                                                                                         | 1        |
| 132                                                  |                        |                    | VENT, ENGINE AIR (on front of superstructure)                                                         | 1        |
|                                                      | 2316040                |                    | used with Deutz F4L 912 engine                                                                        |          |
|                                                      | 2316040                |                    | used with Isuzu 4 BD1 engine                                                                          |          |
|                                                      | 2333390                |                    | used with Perkins 4.236 engine                                                                        |          |
|                                                      | Call Simon             |                    | used with engines other than those listed above                                                       |          |
|                                                      |                        |                    |                                                                                                       |          |
|                                                      |                        |                    |                                                                                                       |          |
|                                                      |                        |                    |                                                                                                       |          |
|                                                      |                        |                    |                                                                                                       |          |
| TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 4 OF 6) |                        |                    |                                                                                                       |          |
| PLATE NO.                                            | B02.202                | SIMON AERIALS INC. |                                                                                                       | PART NO. |
|                                                      |                        |                    | NEW 04 AUG., 1994                                                                                     |          |





## PARTS LIST

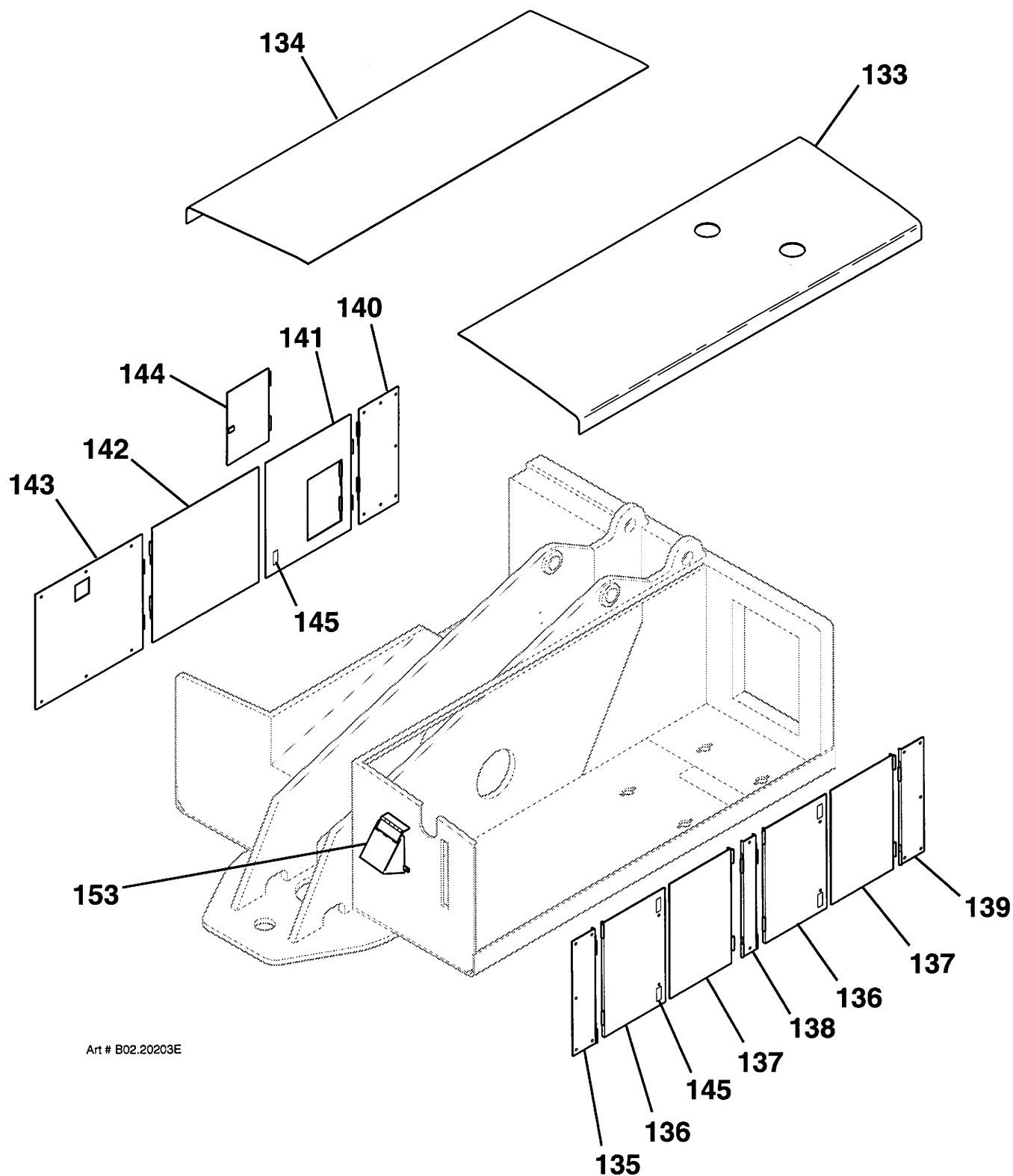
| ITEM | PART NO    | SEE<br>SECTION | DESCRIPTION                                             | QTY. |
|------|------------|----------------|---------------------------------------------------------|------|
| 133  | 2091563    |                | PANEL, ROOF (Right) (without engine-specific cutouts)   | 1    |
| 134  | 2091543    |                | PANEL, ROOF (Left)                                      | 1    |
| 135  | 2307090    |                | SIDE PANEL (on right side of superstructure)            |      |
|      |            |                | (narrow panel to left of doors)                         | 1    |
| 136  | 2307110    |                | DOOR ASSEMBLY (on right side of superstructure)         |      |
|      |            |                | (Left hinged, with latch cutouts)                       | 2    |
| 137  | 2307130    |                | DOOR ASSEMBLY (on right side of superstructure)         |      |
|      |            |                | (Right hinged, no latch cutouts)                        | 2    |
| 138  | 2307150    |                | CENTER POST (on right side of superstructure)           |      |
|      |            |                | (narrow panel between door sets)                        | 1    |
| 139  | 2307170    |                | SIDE PANEL (on right side of superstructure)            |      |
|      |            |                | (narrow panel to right of doors)                        | 1    |
| 140  | 2307190    |                | SIDE PANEL (on left side of superstructure)             |      |
|      |            |                | (narrow panel to left of doors)                         | 1    |
| 141  | 2307200    |                | DOOR ASSEMBLY (on left side of superstructure)          |      |
|      |            |                | (Left hinged, with latch and control access cutouts)    | 1    |
| 142  | 2307220    |                | DOOR ASSEMBLY (on left side of superstructure)          |      |
|      |            |                | (Right hinged, no latch cutouts)                        | 1    |
| 143  | 2307240    |                | SIDE PANEL (on left side of superstructure)             |      |
|      |            |                | (wide panel to right of doors, with fuel filler cutout) | 1    |
| 144  | Call Simon |                | DOOR ASSEMBLY, CONTROL ACCESS (option)                  | 1    |
| 145  | 10-004900  |                | LATCH, FLUSH (locking, 9/16" x 1-1/8")                  | 6    |
| 146  | 07-029365  |                | SCREW, HEX WASHER HEAD                                  |      |
|      |            |                | (#12-14 x 1", self drilling, with rubber seal)          | 64   |
| 147  | 07-044014  |                | NUT, ACORN (1/4"-20, low crown, stainless steel)        | 27   |
| 148  | 07-062014  |                | WASHER, FLAT (1/4")                                     | 27   |
| 149  | 10-138500  |                | BUMPER, RECESSED (Rubber, 1" dia. x 1/2" high)          | 10   |
| 150  | 07-044015  |                | NUT, ACORN (5/16"-18, high crown, Grade 5)              | 10   |
| 151  | 07-062015  |                | WASHER, FLAT (5/16")                                    | 10   |
| 152  | 10-128102  |                | WASHER (Brass, .391" dia.)                              | 12   |
| 153  | 2181240    |                | COVER, HYDRAULIC TANK FILLER (option)                   | 1    |
| 154  | 10-129100  |                | WEATHERSTRIP (3/16" x 3/4" x 50 Ft)                     | 2    |
|      |            |                |                                                         |      |
|      |            |                |                                                         |      |
|      |            |                |                                                         |      |
|      |            |                |                                                         |      |

**TITLE** SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 5 OF 6)

**PLATE NO.** B02.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**



Art # B02.20203E

TITLE

SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 5 OF 6)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

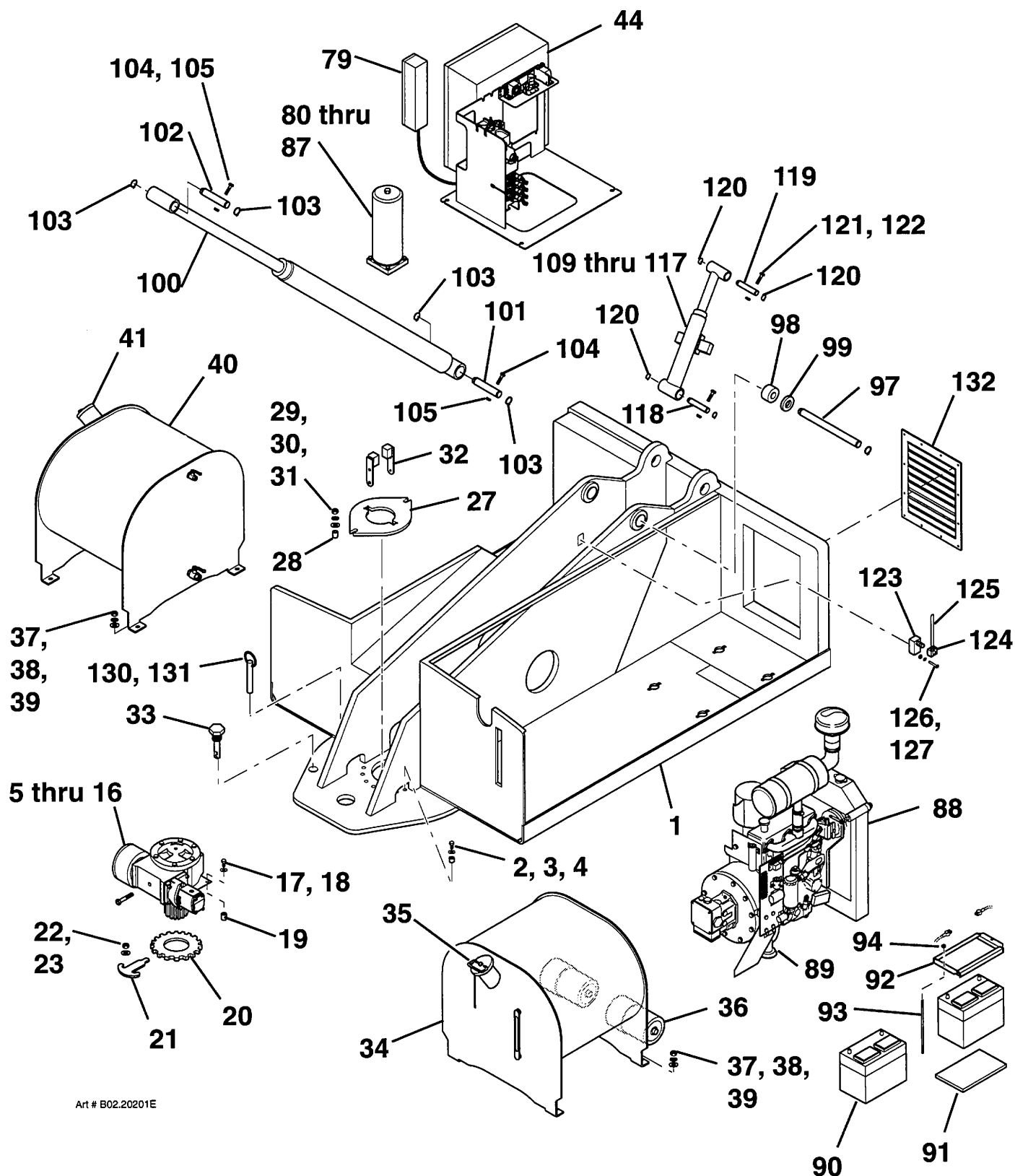
PLATE  
NO. B02.202

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|           |         |                                                |          |
|-----------|---------|------------------------------------------------|----------|
| TITLE     |         | SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 6 OF 6) |          |
| PLATE NO. | B02.202 | SIMON AERIALS INC.<br>NEW 04 AUG., 1994        | PART NO. |

NEW 04 AUG., 1994

PART  
NO.



TITLE SUPERSTRUCTURE ASSEMBLY, RP 120 (PLATE 6 OF 6)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

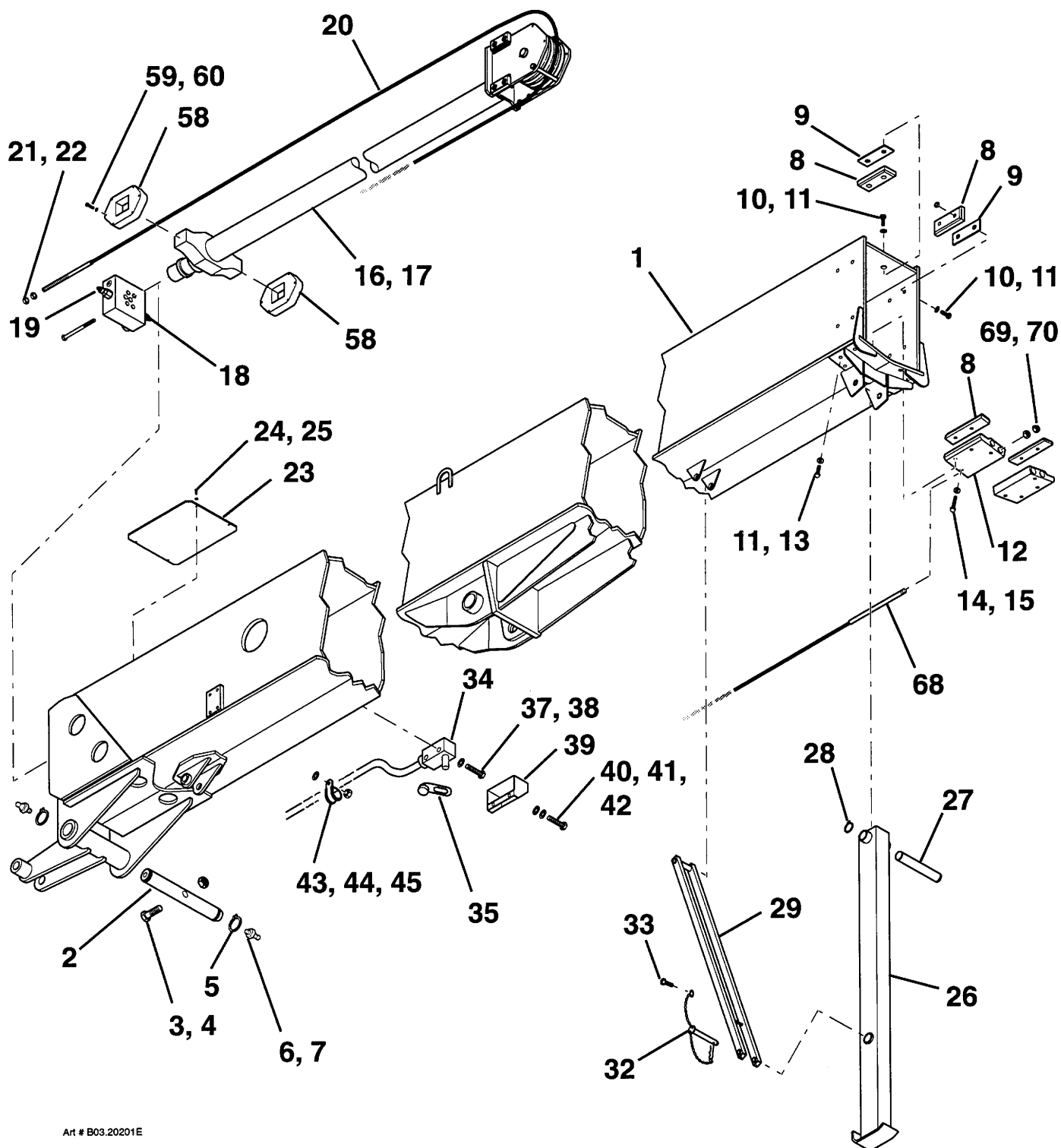
PART  
NO.

PLATE  
NO. B02.202



| <b>PARTS LIST</b>                                           |                |                    |                                                                                                          |                   |             |
|-------------------------------------------------------------|----------------|--------------------|----------------------------------------------------------------------------------------------------------|-------------------|-------------|
| <b>ITEM</b>                                                 | <b>PART NO</b> | <b>SEE SECTION</b> | <b>DESCRIPTION</b>                                                                                       | <b>QTY.</b>       |             |
| 1                                                           | 2327170        |                    | BASE BOOM WELDMENT                                                                                       | 1                 |             |
| 2                                                           | 2091626        |                    | PIN, BOOM PIVOT (2-3/4" x 24-3/16")                                                                      | 1                 |             |
| 3                                                           | 07-004140      |                    | CAP SCREW, HEX HEAD (5/8"-11 x 5-1/2", Grade 8)                                                          | 1                 |             |
| 4                                                           | 07-050021      |                    | NUT, STOP (5/8"-11, Grade 5)                                                                             | 1                 |             |
| 5                                                           | 08-043300      |                    | RING, RETAINING (2-3/4")                                                                                 | 2                 |             |
| 6                                                           | 08-050000      |                    | FITTING, GREASE (1/8", straight)                                                                         | 2                 |             |
| 7                                                           | 08-066300      |                    | CAP, GREASE FITTING (White plastic)                                                                      | 2                 |             |
| 8                                                           |                |                    | PAD, WEAR (Base boom rear) (1-3/4 x 6-3/4" [44 x 171 mm])                                                | 8                 |             |
| 9                                                           |                |                    | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])                                                     | A.R.              |             |
|                                                             |                |                    | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])                                                     | A.R.              |             |
|                                                             |                |                    | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])                                                     | A.R.              |             |
| 10                                                          | 07-003045      |                    | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                              | 12                |             |
| 11                                                          | 07-065016      |                    | WASHER, HELICAL LOCK (3/8")                                                                              | 16                |             |
| 12                                                          |                |                    | BLOCK, RETRACT CABLE SUPPORT                                                                             | 2                 |             |
| 13                                                          | 07-003048      |                    | CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)                                                          | 4                 |             |
| 14                                                          | 07-003046      |                    | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)                                                          | 4                 |             |
| 15                                                          |                |                    | WASHER, FLAT (3/8", hardened)                                                                            | 4                 |             |
| 16                                                          |                |                    | CYLINDER ASSEMBLY, TELESCOPE                                                                             | 1                 |             |
| 17                                                          | 04-053600      | D19. - -           | CYLINDER, TELESCOPE                                                                                      | 1                 |             |
| 18                                                          | 04-053603      |                    | VALVE, COUNTERBALANCE (stamped "CAEA-LHN", pre-set to 3000 PSI [206.9 bar] [210.9 Kg/ cm <sup>2</sup> ]) | 1                 |             |
| 19                                                          | 04-053604      |                    | VALVE, COUNTERBALANCE (stamped "CACA-LHN", pre-set to 3000 PSI [206.9 bar] [210.9 Kg/ cm <sup>2</sup> ]) | 1                 |             |
| 20                                                          |                |                    | WIRE ROPE (3rd stage [outer mid boom] extend)                                                            | 4                 |             |
| 21                                                          | 07-040017      |                    | NUT, HEX (7/16"-14, Grade 5)                                                                             | 4                 |             |
| 22                                                          |                |                    | NUT, HEX JAM (7/16"-14)                                                                                  | 4                 |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
|                                                             |                |                    |                                                                                                          |                   |             |
| TITLE      BOOM ASSEMBLY, RP 120 (PLATE 1 OF 10, BASE BOOM) |                |                    |                                                                                                          |                   |             |
| PLATE<br>NO.                                                | B03.202        | SIMON AERIALS INC. |                                                                                                          | NEW 04 AUG., 1994 | PART<br>NO. |





Art # B03.20201E

TITLE BOOM ASSEMBLY, RP 120 (PLATE 1 OF 10, BASE BOOM)

SIMON AERIALS INC.

NEW 04 AUG., 1994

PART  
NO.

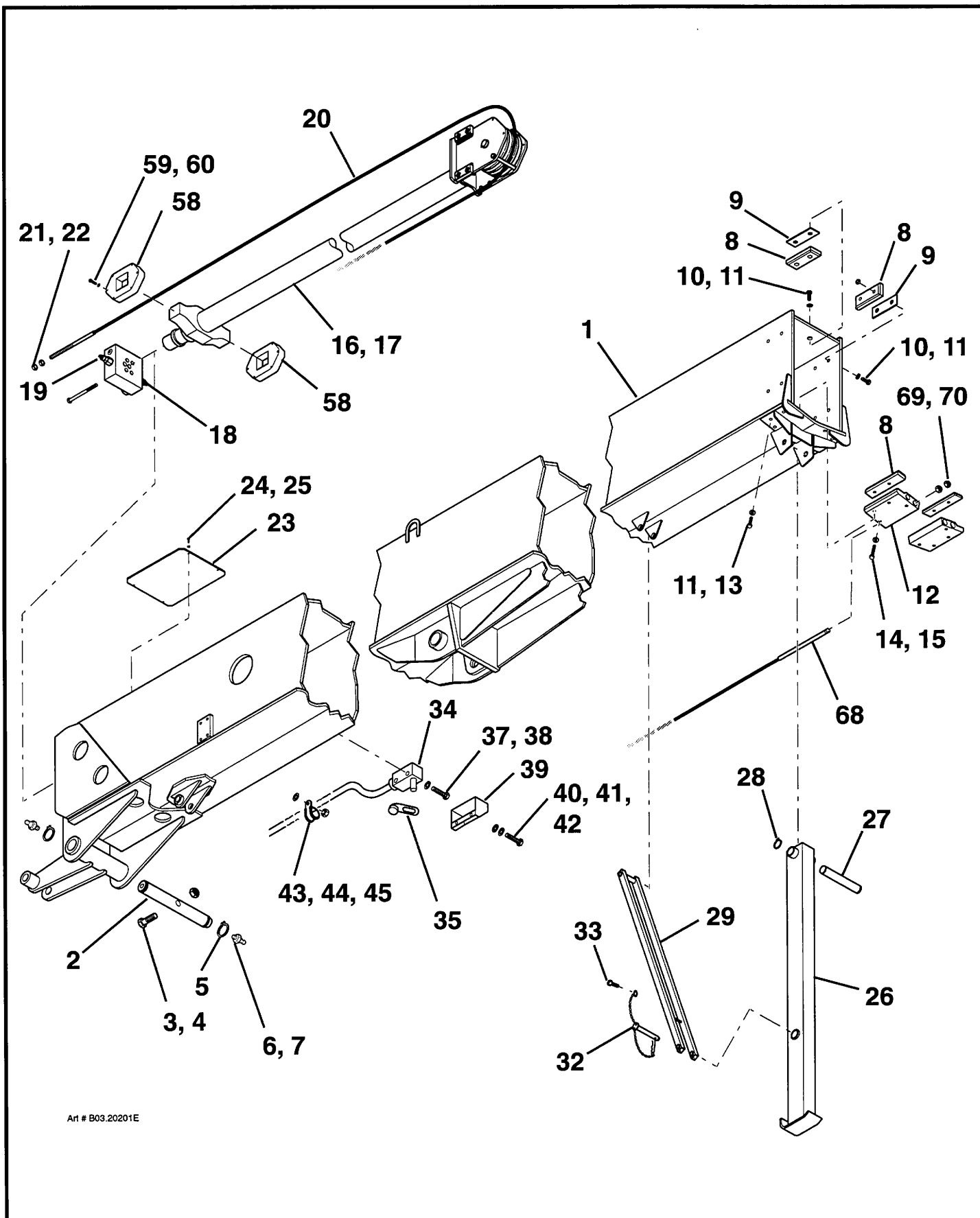
PLATE  
NO. B03.202

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**B03.202**

NEW 04 AUG., 1994

PART  
NO.



Art # B03.20201E

TITLE BOOM ASSEMBLY, RP 120 (PLATE 2 OF 10, BASE BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B03.202

## PARTS LIST

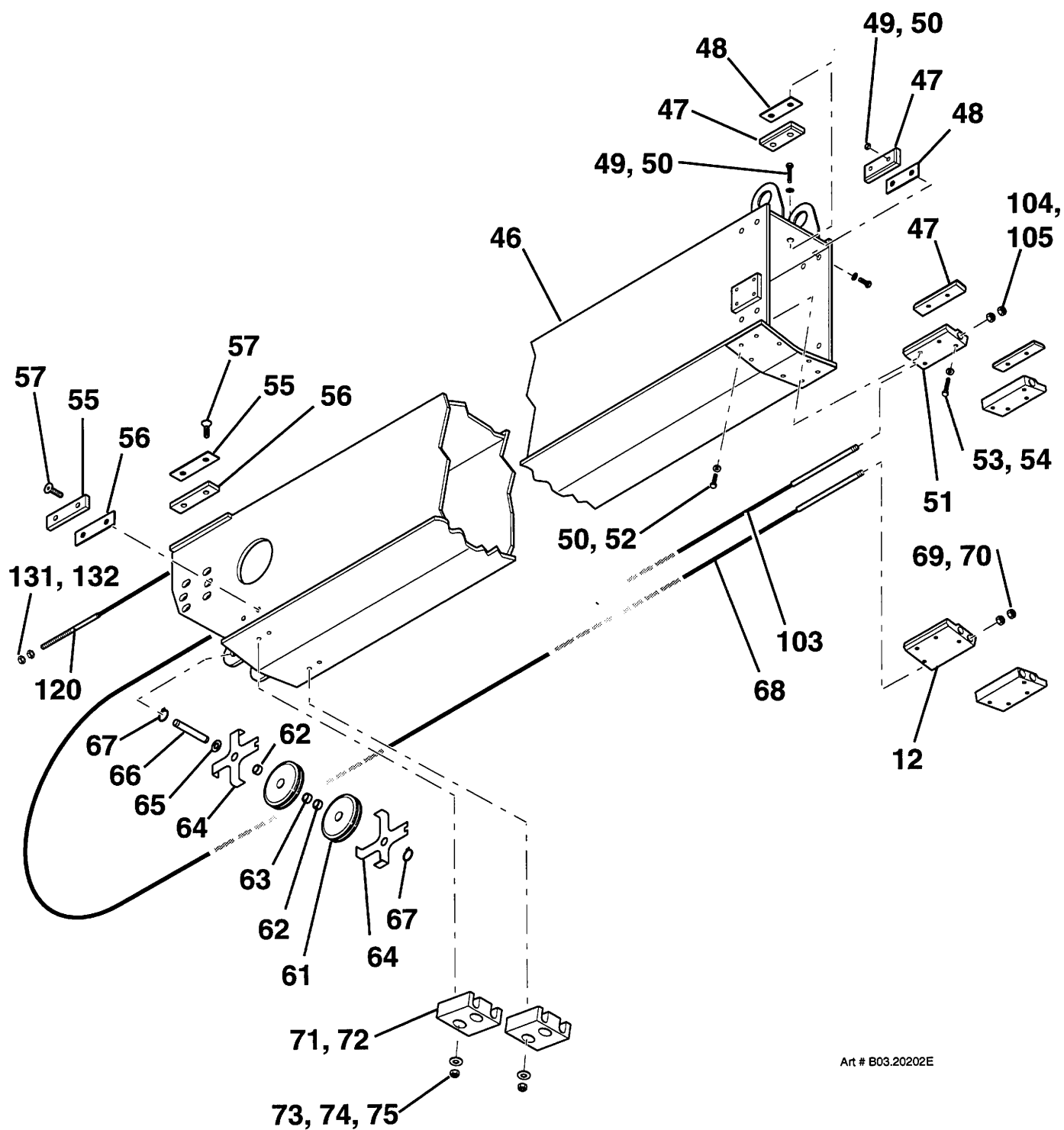
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                               | QTY. |
|------|-----------|-------------|---------------------------------------------------------------------------------------------------------------------------|------|
| 46   |           |             | BOOM WELDMENT, INNER MID<br>(Note: "Inner" mid boom or "second stage" boom segment is second section from superstructure) | 1    |
| 47   |           |             | PAD, WEAR (Mid boom rear) (1-3/4 x 6-3/4" [44 x 171 mm])                                                                  | 8    |
| 48   |           |             | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])                                                                      | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])                                                                      | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])                                                                      | A.R. |
| 49   | 07-003045 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                                               | 12   |
| 50   | 07-065016 |             | WASHER, HELICAL LOCK (3/8")                                                                                               | 16   |
| 51   |           |             | BLOCK, RETRACT CABLE SUPPORT                                                                                              | 2    |
| 52   | 07-003048 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)                                                                           | 4    |
| 53   | 07-003046 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4", Grade 5)                                                                           | 4    |
| 54   |           |             | WASHER, FLAT (3/8", hardened)                                                                                             | 4    |
| 55   |           |             | PAD, WEAR (Mid boom front) (1-3/4 x 7" [44 x 171 mm])                                                                     | 4    |
| 56   |           |             | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])                                                                      | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])                                                                      | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])                                                                      | A.R. |
| 57   |           |             | CAP SCREW, FLAT HEAD (3/8"-16 x 1-1/4", Grade 5)                                                                          | 8    |
| 58   |           |             | SUPPORT, TELESCOPE CYLINDER TRUNNION                                                                                      | 2    |
| 59   |           |             | CAP SCREW, HEX HEAD (3/4"-10 x 1-3/4", Grade 8)                                                                           | 12   |
| 60   |           |             | WASHER, FLAT (3/4", hardened)                                                                                             | 12   |
| 61   |           |             | SHEAVE, RETRACT ROPE (for 7/16" [11.1 mm] wire rope)                                                                      | 4    |
| 62   |           |             | BEARING, ROLLER (inner race)                                                                                              | 4    |
| 63   |           |             | SPACER, RETRACT ROPE SHEAVE                                                                                               | 2    |
| 64   |           |             | RETAINER, RETRACT ROPE                                                                                                    | 4    |
| 65   |           |             | BUSHING (1.25" I.D., #18 Ga.)                                                                                             | A.R. |
| 66   |           |             | SHAFT, RETRACT ROPE SHEAVE                                                                                                | 2    |
| 67   |           |             | RING, RETAINING                                                                                                           | 4    |
| 68   |           |             | WIRE ROPE (3rd stage [outer mid boom] retract)<br>(7/16" [11.1 mm] dia.)                                                  | 4    |
| 69   | 07-040022 |             | NUT, HEX (3/4"-10, Grade 5)                                                                                               | 4    |
| 70   | 07-047022 |             | NUT, HEX JAM (3/4"-10, Grade 5)                                                                                           | 4    |
| 71   |           |             | GUIDE, RETRACT ROPE                                                                                                       | 2    |
| 72   |           |             | SHIM, CABLE GUIDE                                                                                                         | 2    |
| 73   | 07-003026 |             | CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)                                                                          | 4    |
| 74   |           |             | WASHER, FLAT (5/16", hardened)                                                                                            | 8    |
| 75   |           |             | NUT, HEX TOP LOCK (5/16"-18)                                                                                              | 4    |

TITLE BOOM ASSEMBLY, RP 120 (PLATE 3 OF 10, INNER MID BOOM)

PLATE NO. B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



Art # B03.20202E

TITLE BOOM ASSEMBLY, RP 120 (PLATE 3 OF 10, INNER MID BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B03.202



## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                             | QTY. |
|------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------|------|
| 76   |           |             | BOOM WELDMENT, OUTER MID<br>(Note: "Outer" mid boom or "third stage" boom segment is third section from superstructure) | 1    |
| 77   |           |             | PAD, WEAR (Mid boom rear) (1-3/4 x 6-3/4" [44 x 171 mm])                                                                | 8    |
| 78   |           |             | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])                                                                    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])                                                                    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])                                                                    | A.R. |
| 79   | 07-003045 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                                             | 16   |
| 80   | 07-065016 |             | WASHER, HELICAL LOCK (3/8")                                                                                             | 16   |
| 81   |           |             | PAD, WEAR (Mid boom front) (1-3/4 x 7" [44 x 171 mm])                                                                   | 4    |
| 82   |           |             | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])                                                                    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])                                                                    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])                                                                    | A.R. |
| 83   |           |             | CAP SCREW, FLAT HEAD (3/8"-16 x 1-1/4", Grade 5)                                                                        | 8    |
| 84   |           |             | SHEAVE, RETRACT ROPE (for 7/16" [11.1 mm] wire rope)                                                                    | 2    |
| 85   |           |             | BEARING, ROLLER (inner race)                                                                                            | 2    |
| 86   |           |             | SPACER, RETRACT ROPE SHEAVE                                                                                             | 4    |
| 87   |           |             | RETAINER, RETRACT ROPE (Right)                                                                                          | 1    |
|      |           |             | RETAINER, RETRACT ROPE (Left)                                                                                           | 1    |
| 88   |           |             | SHAFT, RETRACT ROPE SHEAVE                                                                                              | 2    |
| 89   |           |             | ROD END (3/8" dia. x 2" long)                                                                                           | 2    |
| 90   | 07-003045 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                                                             | 2    |
| 91   | 07-065016 |             | WASHER, HELICAL LOCK (3/8")                                                                                             | 2    |
| 92   |           |             | ANCHOR, EXTEND/ RETRACT CABLE                                                                                           | 1    |
| 93   |           |             | BOSS, EXTEND CABLE ANCHOR                                                                                               | 1    |
| 94   |           |             | CAP SCREW, FLAT HEAD (3/8"-16 x 1", Grade 5)                                                                            | 2    |
| 95   |           |             | BOSS, RETURN CABLE ANCHOR                                                                                               | 2    |
| 96   |           |             | ANCHOR, CABLE                                                                                                           | 1    |
| 97   |           |             | CAP SCREW, HEX HEAD (1/2"-13)                                                                                           | 6    |
| 98   |           |             | WASHER, FLAT (1/2", hardened)                                                                                           | 6    |
| 99   |           |             | GUIDE, RETRACT ROPE                                                                                                     | 2    |
| 100  | 07-003026 |             | CAP SCREW, HEX HEAD (5/16"-18 x 1-1/4", Grade 5)                                                                        | 4    |
| 101  |           |             | WASHER, FLAT (5/16", hardened)                                                                                          | 8    |
| 102  |           |             | NUT, HEX TOP LOCK (5/16"-18)                                                                                            | 4    |
| 103  |           |             | WIRE ROPE (4th stage [tip boom] retract)<br>(7/16" [11.1 mm] dia.)                                                      | 2    |
| 104  | 07-040022 |             | NUT, HEX (3/4"-10, Grade 5)                                                                                             | 2    |
| 105  | 07-047022 |             | NUT, HEX JAM (3/4"-10, Grade 5)                                                                                         | 2    |
| 106  |           |             | BOSS, RETURN CABLE ANCHOR                                                                                               | 2    |
| 107  |           |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 8, Nylock)                                                                 | 8    |
| 108  |           |             | WASHER, FLAT (1/2", hardened)                                                                                           | 8    |

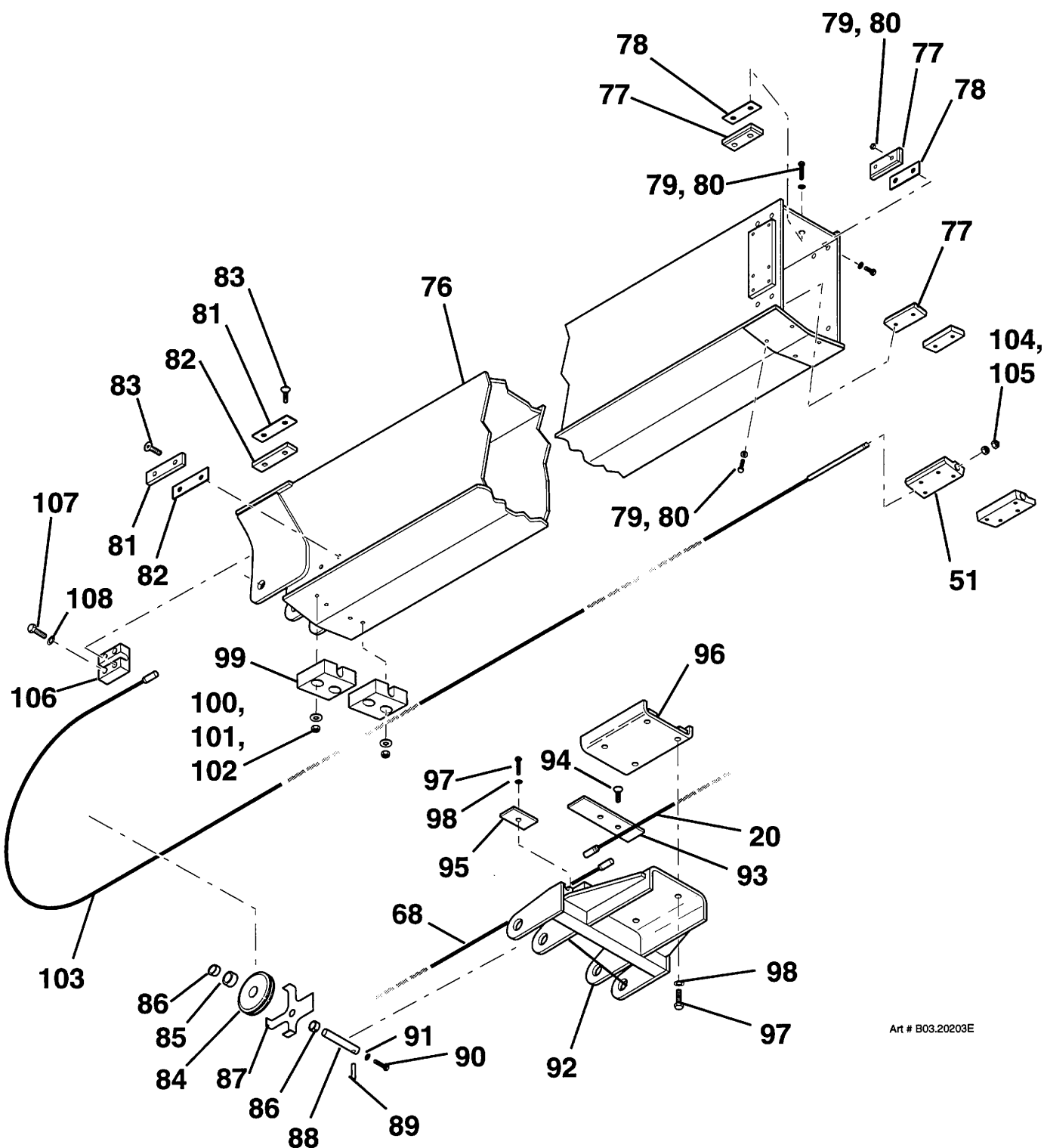
TITLE BOOM ASSEMBLY, RP 120 (PLATE 4 OF 10, OUTER MID BOOM)

PLATE NO. B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.





Art # B03.20203E

TITLE BOOM ASSEMBLY, RP 120 (PLATE 4 OF 10, OUTER MID BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. **B03.202**

## PARTS LIST

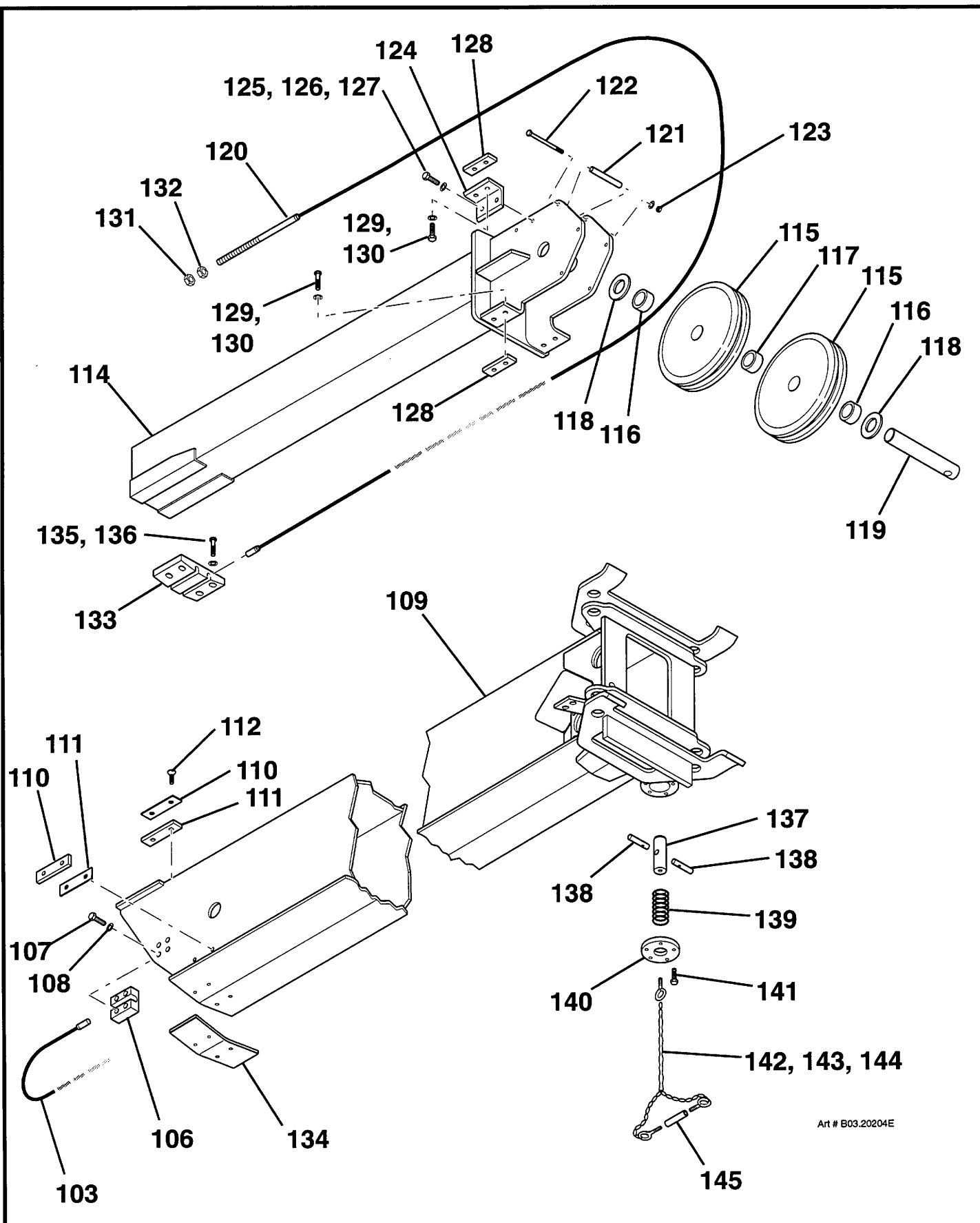
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                             | QTY. |
|------|-----------|-------------|---------------------------------------------------------|------|
| 109  | 2329510   |             | TIP BOOM WELDMENT (modified tip boom 2325310)           | 1    |
| 110  |           |             | PAD, WEAR (Tip boom front) (1-3/4 x 7" [44 x 171 mm])   | 4    |
| 111  |           |             | SHIM (1-3/4" x 6-3/4" x .040" [44 x 171 x 1.016 mm])    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .063" [44 x 171 x 1.600 mm])    | A.R. |
|      |           |             | SHIM (1-3/4" x 6-3/4" x .100" [44 x 171 x 2.540 mm])    | A.R. |
| 112  |           |             | CAP SCREW, FLAT HEAD (3/8"-16 x 1-1/4", Grade 5)        | 8    |
| 113  |           |             | EXTEND TUBE ASSEMBLY                                    | 1    |
| 114  |           |             | TUBE, EXTEND                                            | 1    |
| 115  |           |             | SHEAVE, EXTEND ROPE                                     | 2    |
| 116  |           |             | BEARING, ROLLER (inner race)                            | 2    |
| 117  |           |             | SPACER, SHEAVE                                          | 1    |
| 118  |           |             | WASHER, SPACER                                          | 2    |
| 119  |           |             | SHAFT, EXTEND ROPE SHEAVE                               | 1    |
| 120  |           |             | WIRE ROPE (4th stage [tip boom] extend)                 | 2    |
| 121  |           |             | TUBE, SPACER                                            | 3    |
| 122  |           |             | SCREW                                                   | 3    |
| 123  |           |             | NUT                                                     | 3    |
| 124  |           |             | BRACKET                                                 | 2    |
| 125  |           |             | SCREW                                                   | 4    |
| 126  |           |             | WASHER, LOCK                                            | 4    |
| 127  |           |             | NUT                                                     | 4    |
| 128  |           |             | PAD, WEAR                                               | 4    |
| 129  |           |             | SCREW                                                   | 8    |
| 130  |           |             | NUT                                                     | 8    |
| 131  | 07-040017 |             | NUT, HEX (7/16"-14, Grade 5)                            | 2    |
| 132  |           |             | NUT, HEX JAM (7/16"-14)                                 | 2    |
| 133  |           |             | ANCHOR, EXTEND ROPE                                     | 1    |
| 134  |           |             | BAR, BOOM SUPPORT                                       | 1    |
| 135  |           |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 8, Nylock) | 4    |
| 136  |           |             | WASHER, FLAT (1/2", hardened)                           | 4    |
| 137  | 2329020   |             | PIN, JIB BOOM RESTRAINT                                 | 1    |
| 138  | 2328990   |             | PIN, CROSS                                              | 2    |
| 139  | 08-077400 |             | SPRING, COMPRESSION                                     | 1    |
| 140  | 2329000   |             | PLATE, PIN GUIDE                                        | 1    |
| 141  |           |             | SCREW (1/4"-20)                                         | 5    |
| 142  |           |             | CHAIN, PULL (Jib boom restraint pin)                    | 1    |
| 143  |           |             | CHAIN                                                   | 1    |
| 144  |           |             | EYE BOLT                                                | 3    |
| 145  | 2329790   |             | HANDLE, PULL CHAIN                                      | 1    |
| 146  | 2329800   |             | BRACKET, PULL CHAIN HANGER                              | 1    |

**TITLE** BOOM ASSEMBLY, RP 120 (PLATE 5 OF 10, TIP BOOM)

**PLATE NO.** B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**



Art # B03.20204E

TITLE

BOOM ASSEMBLY, RP 120 (PLATE 5 OF 10, TIP BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. **B03.202**

# PARTS LIST

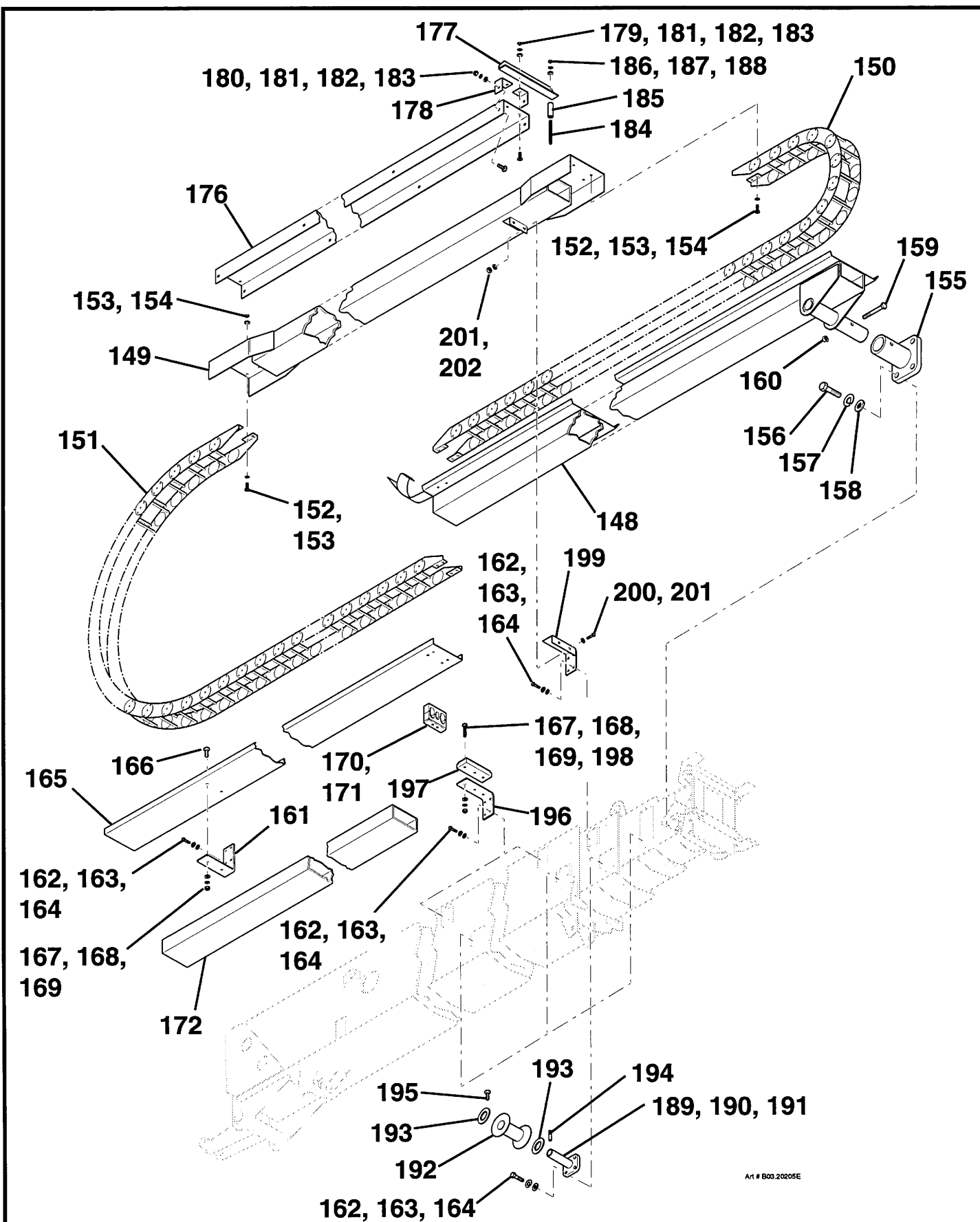
| ITEM | PART NO       | SEE SECTION | DESCRIPTION                                        | QTY. |
|------|---------------|-------------|----------------------------------------------------|------|
| 147  |               |             | CATRAC ASSEMBLY                                    | 1    |
| 148  |               |             | ANCHOR, MOVING (outer)                             | 1    |
| 149  |               |             | ANCHOR, MOVING (inner)                             | 1    |
| 150  | See plate . . | F03. - -    | CARRIER, HOSE (Hose track) (Outer)                 | 1    |
| 151  | See plate . . | F03. - -    | CARRIER, HOSE (Hose track) (Inner)                 | 1    |
| 152  | 07-017046     |             | CAP SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5) | 16   |
| 153  | 07-062016     |             | WASHER, FLAT (3/8")                                | 32   |
| 154  | 07-050016     |             | NUT, TOP LOCK (3/8"-16, Grade 5)                   | 16   |
| 155  |               |             | BRACKET, MOVING ANCHOR MOUNTING                    | 1    |
| 156  |               |             | CAP SCREW, HEX HEAD                                | 4    |
| 157  |               |             | WASHER, LOCK                                       | 4    |
| 158  |               |             | WASHER, FLAT                                       | 4    |
| 159  |               |             | CAP SCREW, HEX HEAD                                | 1    |
| 160  |               |             | NUT, HEX LOCK                                      | 1    |
| 161  |               |             | BRACKET, CATRAC TROUGH MOUNTING                    | 2    |
| 162  | 07-003045     |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)        | 52   |
| 163  | 07-065016     |             | WASHER, HELICAL LOCK (3/8")                        | 52   |
| 164  |               |             | WASHER, FLAT (3/8", hardened)                      | 52   |
| 165  |               |             | CHANNEL, CATRAC TROUGH (lower)                     | 1    |
| 166  |               |             | MACHINE SCREW, FLAT SOCKET HEAD (3/8"-16 x 1-1/4") | 4    |
| 167  |               |             | WASHER, FLAT (3/8", hardened)                      | 16   |
| 168  | 07-065016     |             | WASHER, HELICAL LOCK (3/8")                        | 16   |
| 169  | 07-040016     |             | NUT, HEX (3/8"-16, Grade 5)                        | 16   |
| 170  |               |             | BLOCK, STRAIN RELIEF                               | 12   |
| 171  |               |             | BAR, STRAIN RELIEF MOUNTING                        | 6    |
| 172  |               |             | TUBE, HOSE CARRIER                                 | 1    |
| 173  |               |             | SCREW, HOSE CARRIER TUBE ATTACHING                 | A.R. |
| 174  |               |             | WASHER, FLAT                                       | A.R. |
| 175  |               |             | NUT, HEX LOCK                                      | A.R. |

TITLE BOOM ASSEMBLY, RP 120 (PLATE 6 OF 10, CATRAC)

PLATE NO. B03.202 SIMON AERIALS INC.

NEW 04 AUG., 1994

PART NO.



Art # B03.20205E

|                    |                                               |                            |
|--------------------|-----------------------------------------------|----------------------------|
| TITLE              | BOOM ASSEMBLY, RP 120 (PLATE 6 OF 10, CATRAC) |                            |
| SIMON AERIALS INC. | NEW 04 AUG., 1994                             | PART NO. PLATE NO. B03.202 |



## PARTS LIST

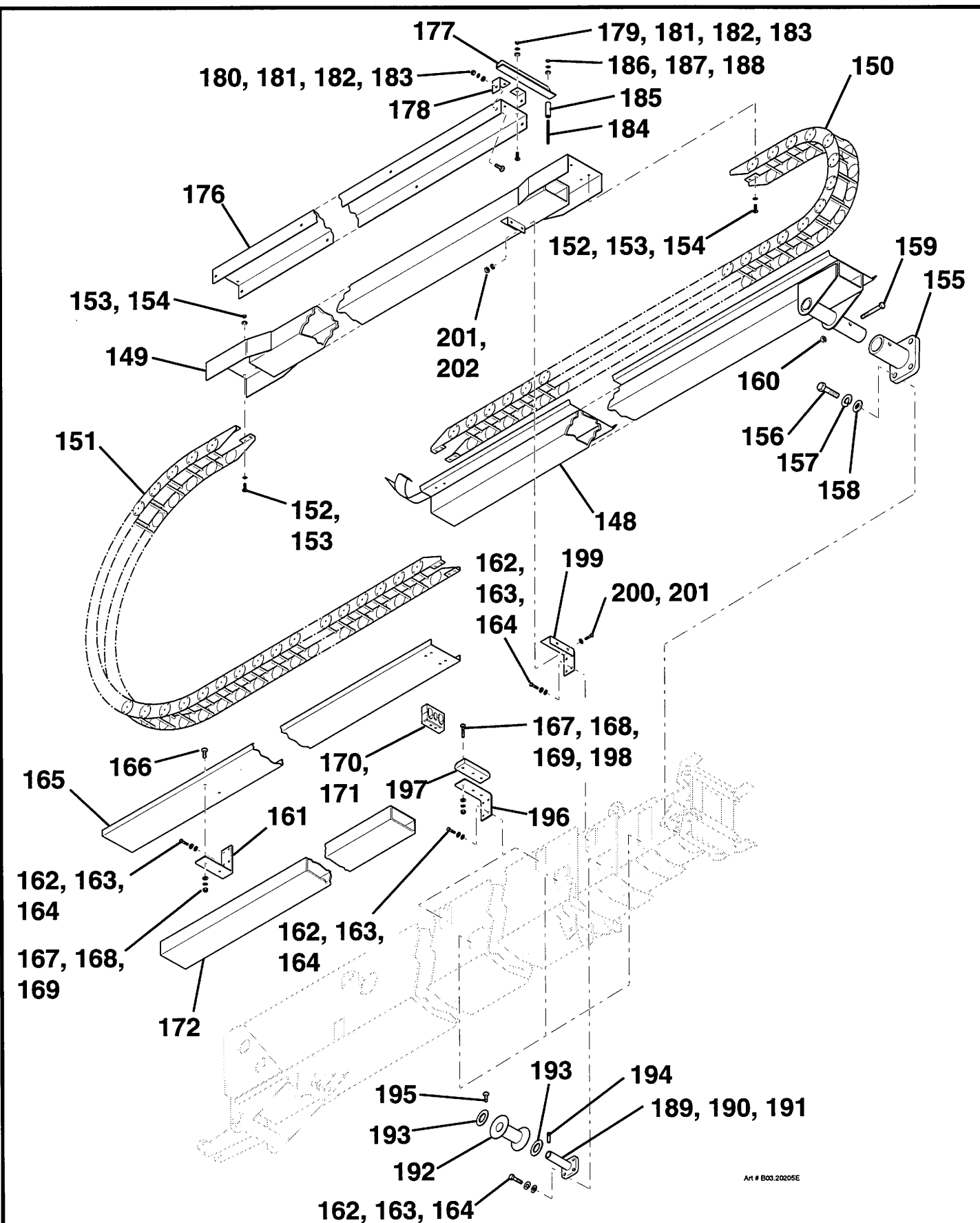
| ITEM | PART NO   | SEE<br>SECTION | DESCRIPTION                                        | QTY. |
|------|-----------|----------------|----------------------------------------------------|------|
| 176  |           |                | COVER, CATRAC                                      | 2    |
| 177  |           |                | ANGLE, CATRAC COVER MOUNTING                       | 4    |
| 178  |           |                | ANGLE, CATRAC COVER SUPPORT                        | 8    |
| 179  | 07-017046 |                | CAP SCREW, BUTTON HEAD (3/8"-16 x 1-1/4", Grade 5) | 8    |
| 180  | 07-017045 |                | CAP SCREW, BUTTON HEAD (3/8"-16 x 1", Grade 5)     | 8    |
| 181  |           |                | WASHER, FLAT (3/8", hardened)                      | 16   |
| 182  | 07-065016 |                | WASHER, HELICAL LOCK (3/8")                        | 16   |
| 183  | 07-040016 |                | NUT, HEX (3/8"-16, Grade 5)                        | 16   |
| 184  |           |                | STUD, THREADED (1/2"-13)                           | 8    |
| 185  |           |                | SPACER, CATRAC MOUNTING ANGLE                      | 8    |
| 186  |           |                | WASHER, FLAT (1/2")                                | 8    |
| 187  | 07-065018 |                | WASHER, HELICAL LOCK (1/2")                        | 8    |
| 188  | 07-040018 |                | NUT, HEX (1/2"-13, Grade 5)                        | 8    |
| 189  |           |                | BRACKET, CATRAC ROLLER (on base boom)              | 2    |
| 190  |           |                | BRACKET, CATRAC ROLLER (on inner mid boom)         | 1    |
| 191  |           |                | BRACKET, CATRAC ROLLER (on outer mid boom)         | 1    |
| 192  |           |                | ROLLER, CATRAC                                     | 4    |
| 193  |           |                | BUSHING (1-1/4" I.D., 1-7/8" O.D., #18 Ga.)        | A.R. |
| 194  |           |                | PIN, SPIROL (1/4" x 2-1/4")                        | 4    |
| 195  |           |                | PIN, CLIP                                          | 4    |
| 196  |           |                | BRACKET, CATRAC WEAR PAD MOUNTING                  | 4    |
| 197  |           |                | PAD, WEAR (Catrac)                                 | 2    |
| 198  |           |                | MACHINE SCREW, FLAT SOCKET HEAD (3/8"-16 x 1-3/4") | 6    |
| 199  |           |                | BRACKET, MOVING ANCHOR MOUNTING                    | 1    |
| 200  |           |                | CAP SCREW, HEX HEAD                                | 4    |
| 201  |           |                | WASHER, FLAT                                       | 8    |
| 202  |           |                | NUT, HEX LOCK                                      | 4    |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |
|      |           |                |                                                    |      |

**TITLE** BOOM ASSEMBLY, RP 120 (PLATE 7 OF 10, CATRAC)

**PLATE NO.** B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**



Art # B03.20205E

|                    |                   |                                               |                   |
|--------------------|-------------------|-----------------------------------------------|-------------------|
| TITLE              |                   | BOOM ASSEMBLY, RP 120 (PLATE 7 OF 10, CATRAC) |                   |
| SIMON AERIALS INC. | NEW 04 AUG., 1994 | PART NO.                                      | PLATE NO. B03.202 |
|                    |                   |                                               |                   |

# PARTS LIST

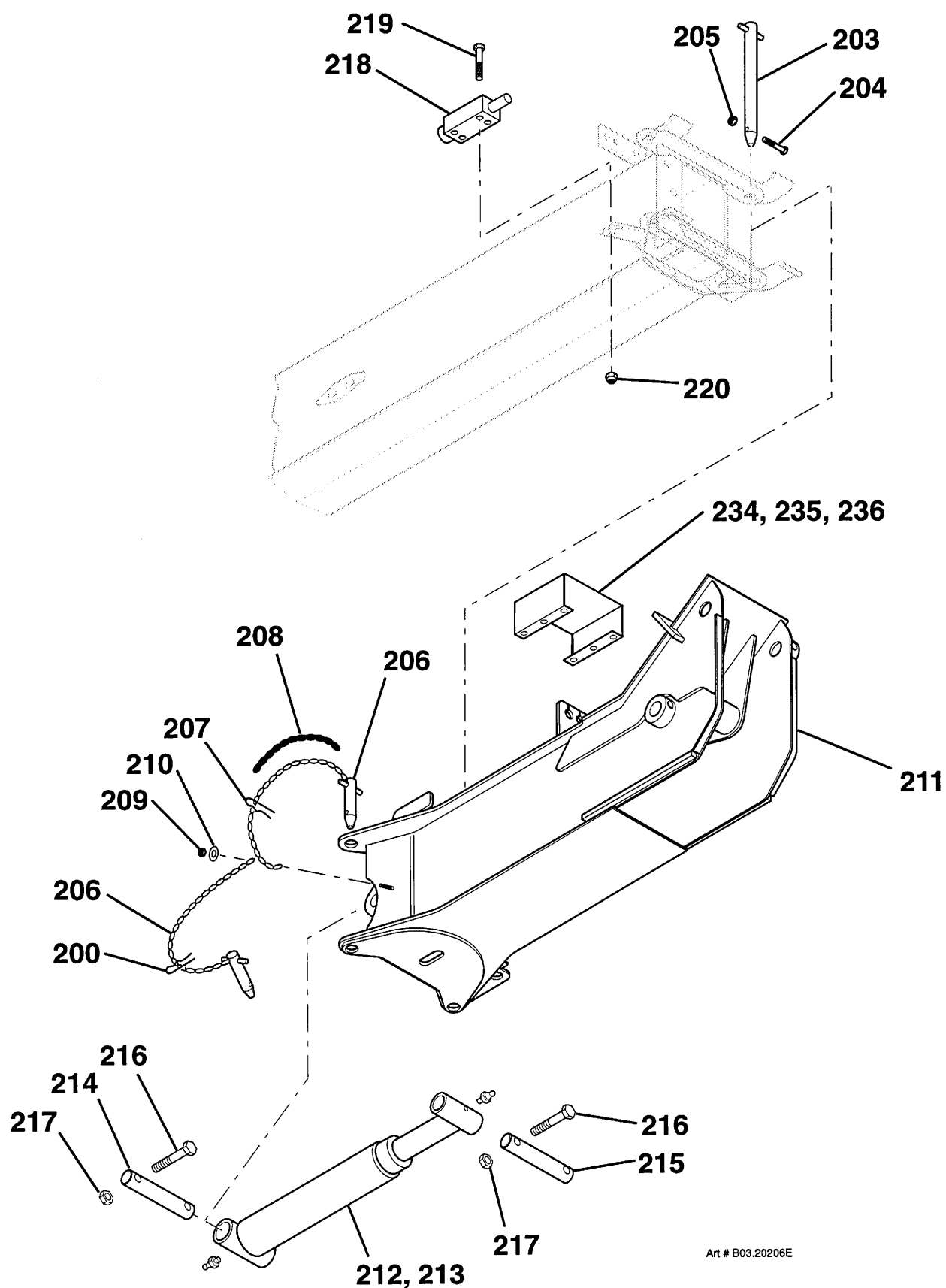
| ITEM | PART NO    | SEE SECTION | DESCRIPTION                                           | QTY. |
|------|------------|-------------|-------------------------------------------------------|------|
| 203  | 2328060    |             | HINGE PIN, TIP SECTION                                | 1    |
| 204  |            |             | PIN, COTTER (optional with screw and nut, below)      | 1    |
|      | 07-003047  |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)       | 1    |
| 205  | 07-050016  |             | NUT, LOCK (3/8"-16, Grade 5)                          | 1    |
| 206  |            |             | LOCK PIN ASSEMBLY, TIP SECTION (w/ith chain)          | 2    |
| 207  |            |             | PIN, COTTER (Hairpin clip)                            | 1    |
| 208  |            |             | TUBING, SHRINK (Black) (Bulk item, order as needed)   | 1    |
| 209  |            |             | NUT, LOCK                                             | 1    |
| 210  |            |             | WASHER, FLAT                                          | 1    |
| 211  | 2329080    |             | HINGE BOOM WELDMENT                                   | 1    |
| 212  | 04-039600  | D25.202     | CYLINDER, JIB BOOM ARTICULATION                       | 1    |
| 213  |            |             | ELBOW                                                 | 2    |
| 214  |            |             | PIN, ARTICULATION CYLINDER (Base end)                 | 1    |
| 215  |            |             | PIN, ARTICULATION CYLINDER (Rod end)                  | 1    |
|      | 2321910    |             | except Canada (please specify " <b>Revision A</b> ")  | 1    |
|      | call Simon |             | CSA standards                                         | 1    |
| 216  |            |             | CAP SCREW, HEX HEAD                                   | 4    |
| 217  |            |             | NUT, LOCK                                             | 4    |
| 218  |            |             | SWITCH, LIMIT                                         | 2    |
| 219  |            |             | CAP SCREW, SOCKET HEAD (#10-24 x 1", Grade 8)         | 4    |
| 220  | 07-065011  |             | WASHER, HELICAL LOCK (#10)                            | 4    |
| 221  |            |             | GRIP, CORD (1/2")                                     | 2    |
| 222  |            |             | ELBOW, UNION, BULKHEAD (4 WETX-S)                     | 2    |
| 223  |            |             | UNION, BULKHEAD (4 WTX-S)                             | 4    |
| 224  |            |             | RECEPTACLE, ELECTRICAL (23 conductor)                 | 2    |
| 225  |            |             | PLUG, ELECTRICAL (23 conductor)                       | 2    |
| 226  |            |             | NUT, PANEL                                            | 2    |
| 227  |            |             | WASHER, LOCK                                          | 2    |
| 228  |            |             | PIN, TERMINAL                                         | 38   |
| 229  |            |             | SOCKET, TERMINAL                                      | 38   |
| 230  |            |             | CABLE, ELECTRICAL (SJO, 4 cond., #16 AWG) (Bulk item) | A.R. |
|      |            |             | CABLE, ELECTRICAL (SJO, 3 cond., #12 AWG) (Bulk item) | A.R. |
|      |            |             | CABLE, ELECTRICAL (Type F 569, 19 cond., #16 AWG)     | A.R. |
| 231  |            |             | HOSE KIT, RP120 BOOM                                  | 1    |
| 232  | 10-113200  |             | PROTECTOR, HOSE (Neoprene, 6" x 9" x 1/8")            | 3    |
| 233  | 03-064700  |             | TIE, CABLE (14.5" [368 mm] long)                      | 8    |
| 234  | 2325480    |             | COVER, HOSE                                           | 1    |
| 235  | 07-050014  |             | NUT, LOCK (1/4"-20, Grade 5)                          | 4    |
| 236  | 07-062014  |             | WASHER, FLAT (1/4")                                   | 4    |

TITLE BOOM ASSEMBLY, RP 120 (PLATE 8 OF 10, HINGE BOOM)

PLATE NO. B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



Art # B03.20206E

TITLE BOOM ASSEMBLY, RP 120 (PLATE 8 OF 10, HINGE BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B03.202



## PARTS LIST

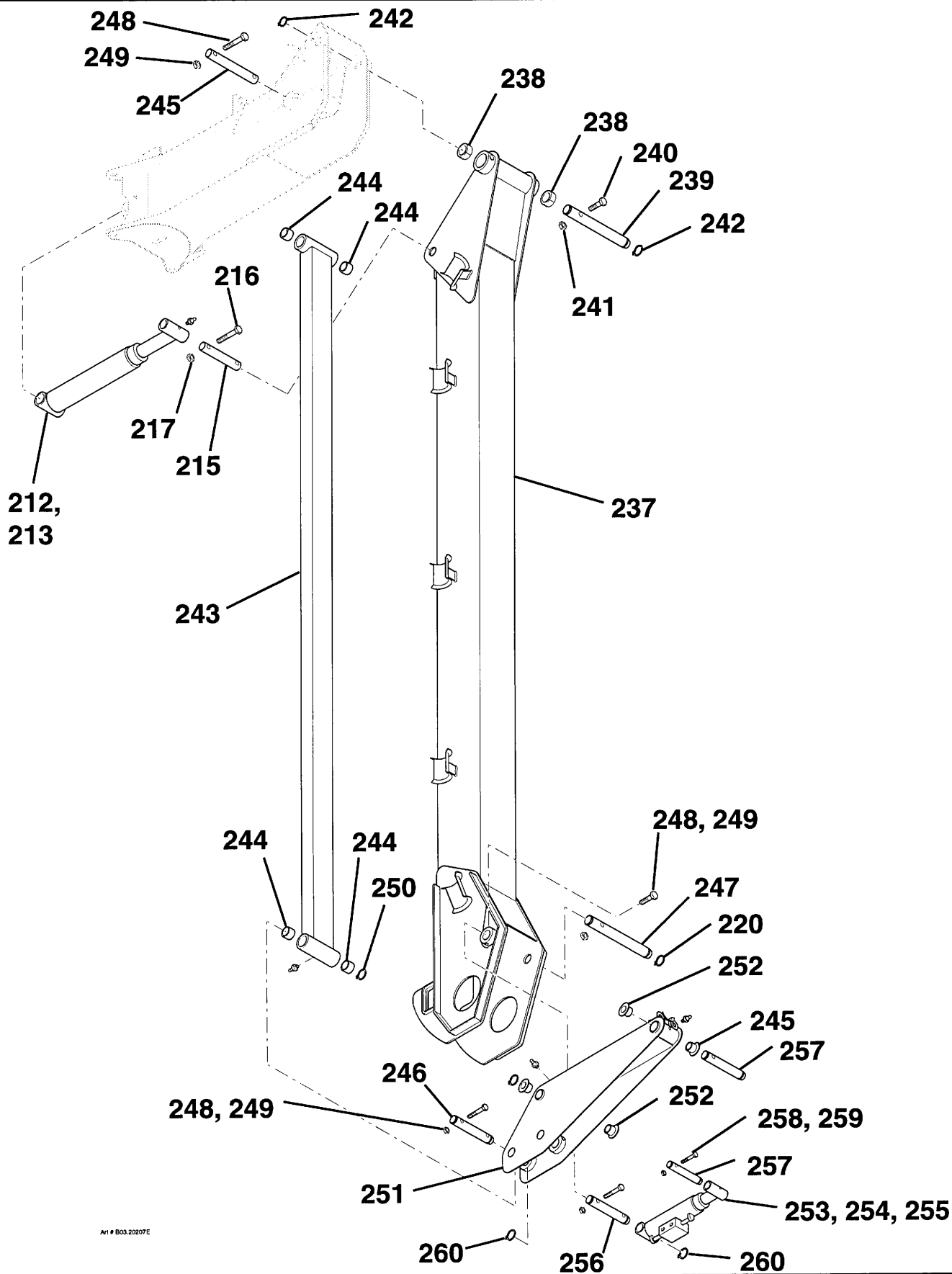
| ITEM | PART NO    | SEE SECTION | DESCRIPTION                                          | QTY. |
|------|------------|-------------|------------------------------------------------------|------|
| 237  | 2326970    |             | JIB BOOM WELDMENT                                    | 1    |
| 238  | 08-067500  |             | BEARING, FLANGED (2" I.D., 2-1/4" O.D.)              | 2    |
| 239  |            |             | PIN, JIB BOOM (Upper end) (2" x 10-3/4")             |      |
|      | 2328000    |             | except Canada                                        | 1    |
|      | call Simon |             | CSA standards                                        | 1    |
| 240  |            |             | CAP SCREW, HEX HEAD                                  | 2    |
| 241  |            |             | NUT, LOCK                                            | 2    |
| 242  |            |             | RING, RETAINING (2")                                 | 2    |
| 243  | 2326710    |             | PARALLEL ARM WELDMENT (includes bushings)            | 1    |
| 244  | 08-002500  |             | BUSHING (1-1/4" I.D., 1-5/8" O.D., 1" long)          | 4    |
| 245  |            |             | PIN, PARALLEL ARM (Upper end) (1-1/4" x 5-1/8")      |      |
|      |            |             | <b>Note:</b> holes on pin are 4-1/4" (108 mm) apart  |      |
|      | 2322040    |             | except Canada                                        | 1    |
|      | call Simon |             | CSA standards                                        | 1    |
| 246  |            |             | PIN, PARALLEL ARM (Lower end) (1-1/4" x 5-1/8")      |      |
|      |            |             | <b>Note:</b> holes on pin are 3-13/16" (97 mm) apart |      |
|      | 2322060    |             | except Canada                                        | 1    |
|      | call Simon |             | CSA standards                                        | 1    |
| 247  |            |             | PIN, JIB BOOM (Lower end) (1-1/4" x 8-13/16")        |      |
|      | 2321920    |             | except Canada                                        | 1    |
|      | call Simon |             | CSA standards                                        | 1    |
| 248  |            |             | CAP SCREW, HEX HEAD                                  | 5    |
| 249  |            |             | NUT, LOCK                                            | 5    |
| 250  | 08-040700  |             | RING, RETAINING (1-1/4")                             | 2    |
| 251  | 2326750    |             | LOWER LEVELING ARM WELDMENT                          | 1    |
| 252  | 08-002200  |             | BEARING, FLANGED                                     |      |
|      |            |             | (1-1/4" I.D., 1-1/2" O.D., 2" flange, 1-1/2" long)   | 4    |
| 253  | 04-039000  | D20.201     | CYLINDER, SLAVE LEVEL                                | 1    |
| 254  |            |             | REDUCER/ EXPANDER                                    | 1    |
| 255  |            |             | 90° ELBOW                                            | 1    |
| 256  |            |             | PIN, SLAVE CYLINDER (1-1/4" x 5-1/8") (Base end)     |      |
|      | 2322060    |             | except Canada                                        | 1    |
|      | call Simon |             | CSA standards                                        | 1    |
| 257  |            |             | PIN, SLAVE CYLINDER (1-1/4" x 10-1/8") (Rod end)     |      |
|      |            |             | PIN, PLATFORM PIVOT (1-1/4" x 10-1/8")               |      |
|      | 2322070    |             | except Canada                                        | 2    |
|      | call Simon |             | CSA standards                                        | 2    |
| 258  |            |             | CAP SCREW, HEX HEAD                                  | 2    |
| 259  |            |             | NUT, LOCK                                            | 2    |
| 260  | 08-040700  |             | RING, RETAINING (1-1/4")                             | 4    |

**TITLE** BOOM ASSEMBLY, RP 120 (PLATE 9 OF 10, JIB BOOM)

**PLATE NO.** B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**



TITLE

BOOM ASSEMBLY, RP 120 (PLATE 9 OF 10, JIB BOOM)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. **B03.202**



# PARTS LIST

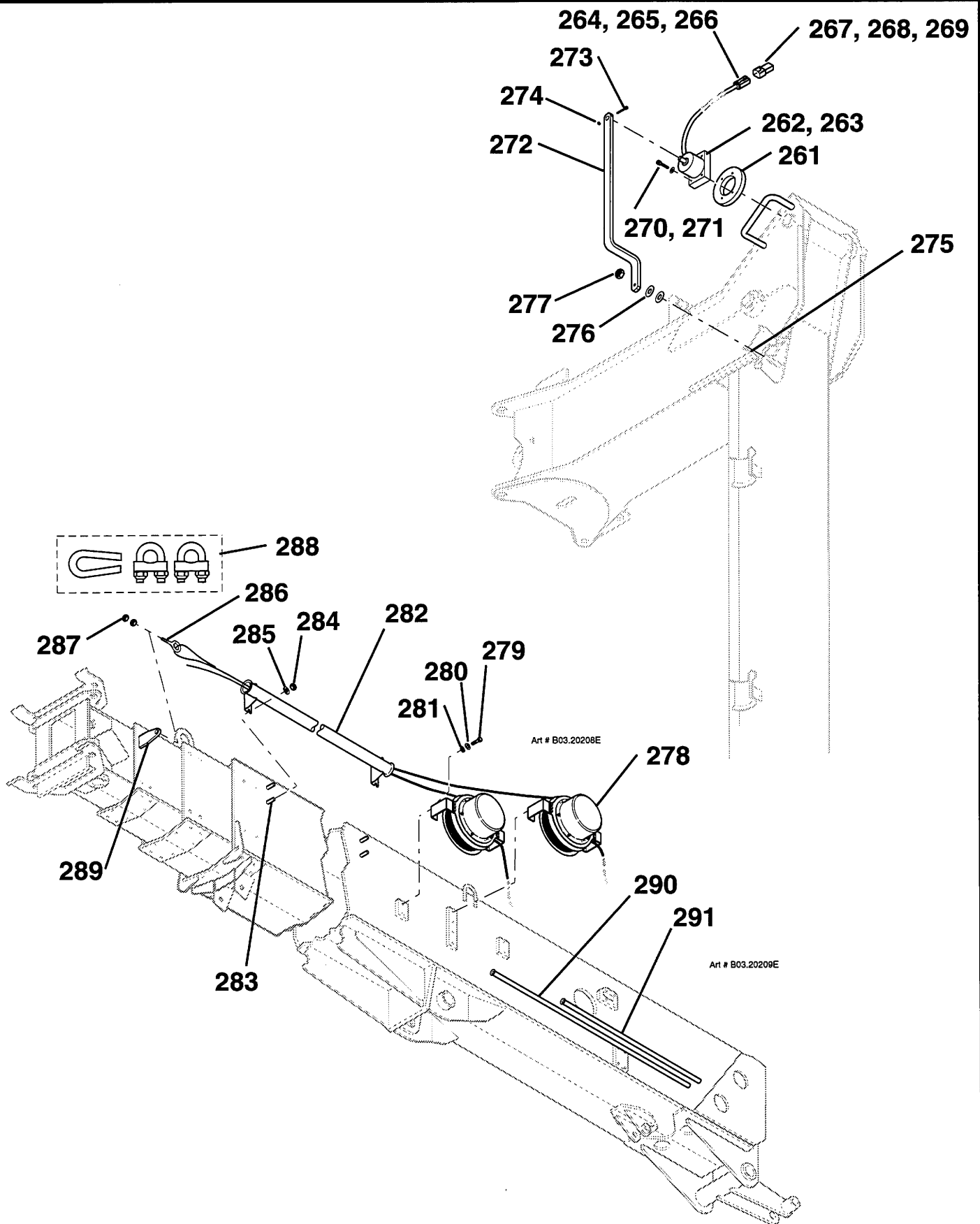
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                      | QTY. |
|------|-----------|-------------|--------------------------------------------------------------------------------------------------|------|
| 261  | 2328740   |             | PLATE, HINGE BOOM                                                                                | 1    |
| 262  | 2328730   |             | SENSOR, ANGLE (modified)                                                                         | 1    |
| 263  | 03-706701 |             | SENSOR, ANGLE                                                                                    | 1    |
| 264  | 03-707500 |             | PLUG, ELECTRICAL (4 wire)                                                                        | 1    |
| 265  | 03-707700 |             | WEDGE, SECONDARY LOCKING                                                                         | 1    |
| 266  | 03-484000 |             | CONTACT, SOCKET (#12)                                                                            | A.R. |
| 267  | 03-707400 |             | RECEPTACLE, ELECTRICAL (4 wire)                                                                  | 1    |
| 268  | 03-707600 |             | WEDGE, SECONDARY LOCKING                                                                         | 1    |
| 269  | 03-483900 |             | CONTACT, PIN (#12)                                                                               | A.R. |
| 270  | 07-008352 |             | CAP SCREW, SOCKET HEAD (#10-24 x 3/4")                                                           | 4    |
| 271  | 07-062011 |             | WASHER, FLAT (#10)                                                                               | 4    |
| 272  | 2328750   |             | ARM, JIB ANGLE SENSOR                                                                            | 1    |
| 273  | 07-008358 |             | CAP SCREW, SOCKET HEAD (#10-24 x 2")                                                             | 1    |
| 274  | 07-050011 |             | NUT, STOP (#10-24)                                                                               | 1    |
| 275  | 07-031020 |             | STUD, WELD (3/8"-16 x 1-1/2")                                                                    | 1    |
| 276  | 07-062018 |             | WASHER, FLAT (1/2")                                                                              | 2    |
| 277  | 07-050016 |             | NUT, SELF LOCKING (3/8"-16)                                                                      | 1    |
| 278  | 03-706702 |             | REEL, BOOM LENGTH SENSOR                                                                         | 2    |
| 279  |           |             | CAP SCREW, HEX HEAD                                                                              | 8    |
| 280  |           |             | WASHER, LOCK                                                                                     | 8    |
| 281  |           |             | WASHER, FLAT                                                                                     | 8    |
| 282  | 2328600   |             | GUARD, CABLE                                                                                     | 1    |
| 283  | 07-031012 |             | STUD, WELD (5/16"-18 x 7/8")                                                                     | 10   |
| 284  | 07-050015 |             | NUT, SELF LOCKING (5/16"-18)                                                                     | 10   |
| 285  | 07-062015 |             | WASHER, FLAT (5/16")                                                                             | 10   |
| 286  | 07-026006 |             | BOLT, EYE                                                                                        | 1    |
| 287  | 07-050015 |             | NUT, SELF LOCKING (5/16"-18)                                                                     | 2    |
| 288  | 11-301400 |             | CLIP AND THIMBLE KIT, WIRE ROPE<br>(includes thimble and two "U"-bolt clips for 3/16" dia. rope) | 1    |
| 289  | 2328640   |             | ANCHOR, CABLE (welded to inner mid boom section)                                                 | 1    |
| 290  |           |             | TUBE, CABLE GUARD (lower) (welded to inner mid boom)                                             | 1    |
| 291  |           |             | TUBE, CABLE GUARD (upper) (welded to inner mid boom)                                             | 1    |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |

**TITLE** BOOM ASSEMBLY, RP 120 (PLATE 10 OF 10, BOOM SENSORS)

**PLATE NO.** B03.202 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**



TITLE BOOM ASSEMBLY, RP 120 (PLATE 10 OF 10, BOOM SENSORS)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. B03.202

## PARTS LIST

| ITEM | PART NO               | SEE SECTION | DESCRIPTION                                                                        | QTY. |
|------|-----------------------|-------------|------------------------------------------------------------------------------------|------|
| 1    | 2327930               |             | PLATFORM WELDMENT [36" x 96" (.91 M x 2.44 M)]                                     | 1    |
| 2    | 3514160               |             | BAR ASSEMBLY, LATCH                                                                | 1    |
| 3    | 2041724               |             | PIVOT, DOOR                                                                        | 1    |
| 4    | 2076577               |             | BAR, LATCH                                                                         | 1    |
| 5    | 2041649               |             | SPACER, LATCH BAR PIVOT                                                            | 1    |
| 6    | 07-003047             |             | SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)                                        | 1    |
| 7    | 07-050016             |             | NUT, HEX LOCK (3/8"-16, Grade 5)                                                   | 1    |
| 8    | 08-010100             |             | SPRING AND TUBE ASSEMBLY                                                           | 1    |
| 9    | 2108380               |             | SPACER                                                                             | 1    |
| 10   | 07-003043             |             | SCREW, HEX HEAD (3/8"-16 x 3/4", Grade 5)                                          | 1    |
| 11   | 07-003096             |             | SCREW, HEX HEAD (1/2"-13 x 3-3/4", Grade 5)                                        | 1    |
| 12   | 07-058400             |             | NUT, LOCK (1/2"-13, Grade 8)                                                       | 1    |
| 13   | 11-203300             |             | CAP, END                                                                           | 2    |
| 14   | 03-021300             |             | SWITCH ASSEMBLY, FOOT (Double pole)                                                | 1    |
| 15   | 03-021301             |             | SWITCH (Double pole, double throw)                                                 | 1    |
| 16   | 03-021302             |             | COVER, SWITCH (Guard type, with latch)                                             | 1    |
| 17   | 07-003004             |             | CAP SCREW, HEX HEAD (1/4"-20 x 7/8", Grade 5)                                      | 3    |
| 18   | 07-065014             |             | WASHER, HELICAL LOCK (1/4")                                                        | 3    |
| 19   | 03-045000             |             | REDUCER (3/4" to 1/2")                                                             | 1    |
| 20   | 03-063300             |             | GRIP, CORD (1/2", sealing)                                                         | 1    |
| 21   | 03-085700             |             | CABLE, ELECTRICAL (SJO, 4 conductor, #16 AWG)                                      |      |
|      |                       |             | [Bulk item, 6 Ft (1.8 M) required this application]                                | A.R. |
| 22   | 02-042700             | D24.201     | ACTUATOR, ROTARY                                                                   | 1    |
| 23   | 06-039300             |             | ADAPTER, "O"-RING TO 37° (4 F50X-S)                                                | 6    |
| 24   | 07-004087             |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 8)                                    | 6    |
| 25   | 07-058400             |             | NUT, LOCK (1/2"-13, Grade 8)                                                       | 6    |
| 26   | 01-202000             |             | MANIFOLD, PLATFORM ROTATOR                                                         | 1    |
| 27   | 3507654               |             | TUBE ASSEMBLY (3/8" O.D. x 7-9/16" long)                                           | 2    |
| 28   | 07-003053             |             | CAP SCREW, HEX HEAD (3/8"-16 x 3", Grade 5)                                        | 2    |
| 29   | 07-065016             |             | WASHER, HELICAL LOCK (3/8")                                                        | 2    |
| 30   | 2322070<br>call Simon |             | PIN, PLATFORM PIVOT (1-1/4" x 10-1/8")<br>except Canada<br>CSA standards           | 1    |
| 31   | 2322070<br>call Simon |             | PIN, SLAVE CYLINDER (1-1/4" x 10-1/8") (Rod end)<br>except Canada<br>CSA standards | 1    |
| 32   | 08-002200             |             | BEARING, FLANGED (1-1/4" I.D., 1-1/2" O.D.,<br>2" O.D. flange, 1-1/2" long)        | 2    |

TITLE

PLATFORM ASSEMBLY, RP 120 (PLATE 1 OF 2)

PLATE NO. B04.202

**SIMON AERIALS INC.**

NEW 24 JUN., 1994

PART NO. 3537520





## PARTS LIST

| ITEM | PART NO       | SEE SECTION | DESCRIPTION                                                              | QTY. |
|------|---------------|-------------|--------------------------------------------------------------------------|------|
| 33   | See plate . . | C08.202     | PLATFORM CONSOLE ASSEMBLY                                                | 1    |
| 34   | 10-069600     |             | CLAMP, TUBE (1-1/4" O.D.)                                                | 4    |
| 35   | 2300610       | D14.101     | VALVE, PLATFORM LEVEL AND ROTATE                                         | 1    |
| 36   | 07-003009     |             | CAP SCREW, HEX HEAD (1/4"-20 x 2", Grade 5)                              | 2    |
| 37   | 07-060014     |             | WASHER, FLAT (1/4" SAE)                                                  | 2    |
| 38   | 07-050014     |             | NUT, LOCK (1/4"-20, Grade 5)                                             | 2    |
| 39   | 01-001900     |             | VALVE, CHECK (Pilot operated)                                            | 1    |
| 40   | 06-039500     |             | ADAPTER (4-6 F50X-S)                                                     | 2    |
| 41   | 06-044400     |             | ELBOW (4-6 C50X-S)                                                       | 2    |
| 42   | 07-003047     |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/2", Grade 5)                          | 2    |
| 43   | 07-062016     |             | WASHER, FLAT (7/16")                                                     | 4    |
| 44   | 07-050016     |             | NUT, HEX LOCK (3/8"-16, Grade 5)                                         | 2    |
| 45   | 03-067000     |             | OUTLET, DUPLEX (20 Amp, 110 Volt AC)                                     | 1    |
| 46   | 03-062100     |             | BOX, DUPLEX OUTLET (Weatherproof)                                        | 1    |
| 47   | 03-062200     |             | COVER, DUPLEX OUTLET (Weatherproof)                                      | 1    |
| 48   | 07-011334     |             | MACHINE SCREW, ROUND HEAD (#6-32 x 3/4", Grade 5)                        | 4    |
| 49   | 07-062007     |             | WASHER, FLAT (#6)                                                        | 4    |
| 50   | 03-042000     |             | CONNECTOR, CABLE (2 screw, 3/8")                                         | 1    |
| 51   | 10-034000     |             | BELT, SAFETY                                                             | 1    |
| 52   | 10-033900     |             | LANYARD, SAFETY BELT                                                     | 1    |
| 53   | 11-085200     |             | BOX, TECHNICAL MANUAL STORAGE                                            | 1    |
| 54   | 07-029365     |             | SCREW, HEX WASHER HEAD<br>(#12-14 x 1", self drilling, with rubber seal) | 2    |
| 55   | 03-066400     |             | TIE, CABLE [20" (51 mm) long]                                            | 2    |
| 56   | 10-113000     |             | PROTECTOR, HOSE (Neoprene, 8" x 12" x 1/8" thick)                        | 1    |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |
|      |               |             |                                                                          |      |

TITLE

PLATFORM ASSEMBLY, RP 120 (PLATE 2 OF 2)

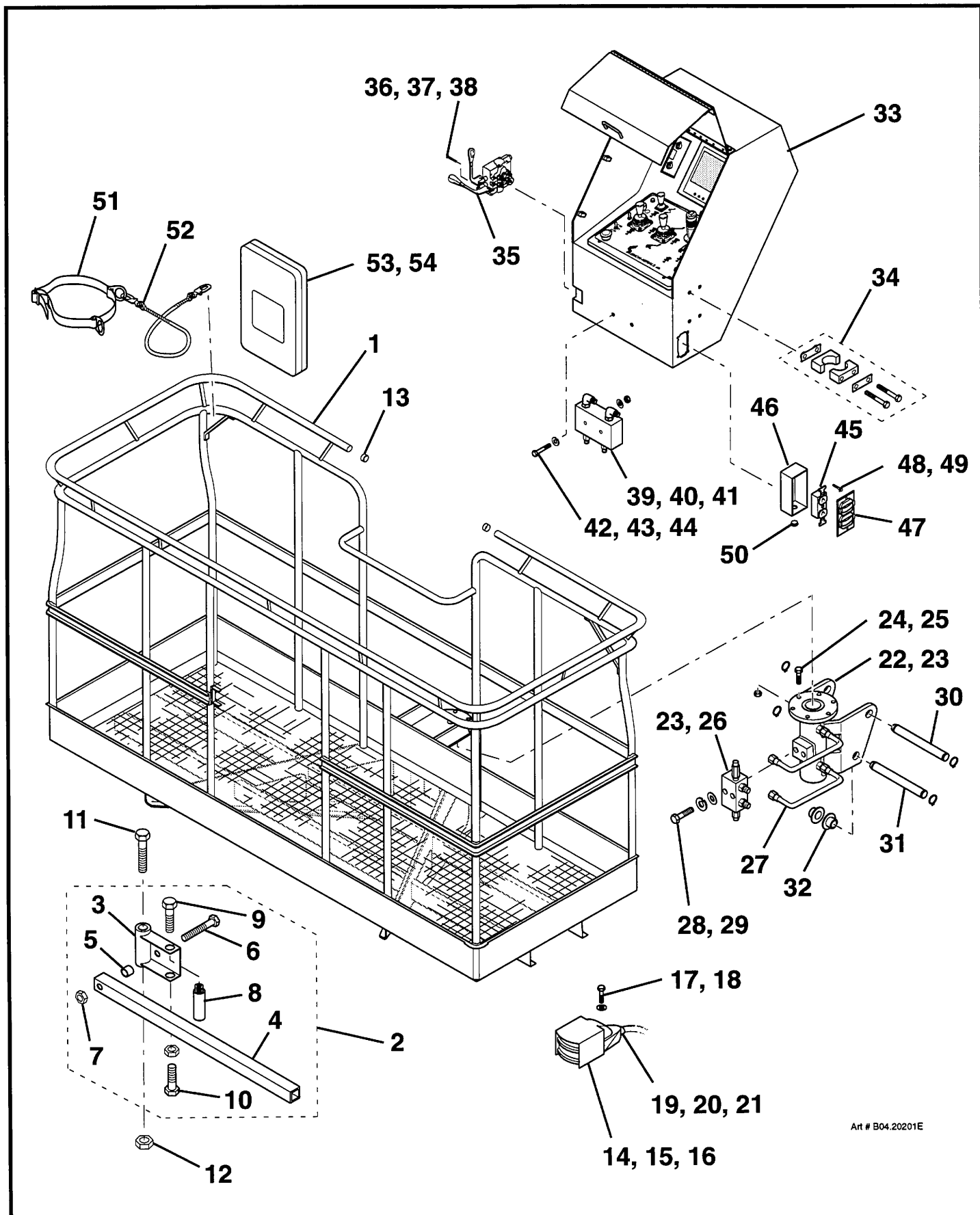
PLATE NO. B04.202

**SIMON AERIALS INC.**

NEW 24 JUN., 1994

PART NO. 3537520





Art # B04.20201E

TITLE

PLATFORM ASSEMBLY, RP 120 (PLATE 2 OF 2)

**SIMON AERIALS INC.**

NEW 24 JUN., 1994

PART  
NO.

3537520

PLATE  
NO.

B04.202

# PARTS LIST

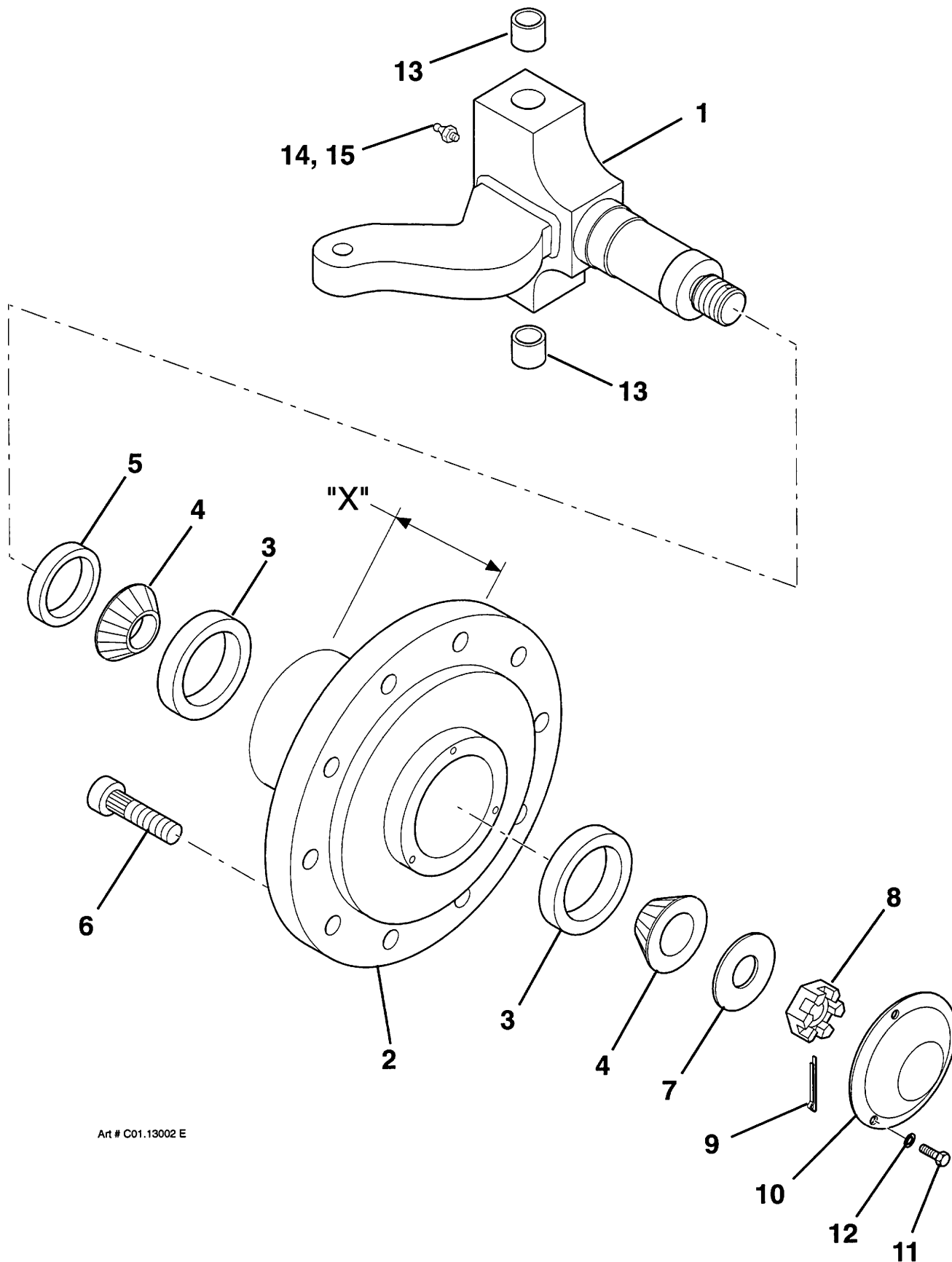
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                      | QTY. |
|------|-----------|-------------|--------------------------------------------------------------------------------------------------|------|
|      | 209 7952  |             | SPINDLE ASSEMBLY (left and right)<br>(Type 1, <b>without</b> bushings or grease fitting for pin) | 2    |
|      | 350 9869  |             | SPINDLE ASSEMBLY (left and right)<br>(Type 2, <b>with</b> bushings and grease fitting for pin)   | 2    |
| 1    | 209 0775  |             | SPINDLE (not drilled for pin bearings or grease fitting)                                         | 1    |
| 2    |           |             | HUB, SPINDLE                                                                                     |      |
|      | 202 2585  |             | [Standard. Dimension "X" = 2-5/8" (66.7 mm)]                                                     | 1    |
|      | 202 6457  |             | [Special. Dimension "X" = 4" (101.6 mm)]                                                         | 1    |
| 3    | 08-003400 |             | CUP, BEARING (4.437" O.D.)                                                                       | 2    |
| 4    | 08-003500 |             | CONE, ROLLER BEARING (2.750" I.D.)                                                               | 2    |
| 5    | 01-030700 |             | SEAL, SHAFT OIL (3-1/4" I.D., 4-1/2" O.D.)                                                       | 1    |
| 6    | 07-030651 |             | STUD, WHEEL MOUNTING (3/4"-16 x 2-1/2", Grade 5)                                                 | 10   |
| 7    | 07-062027 |             | WASHER, FLAT (1-3/4")                                                                            | 1    |
| 8    | 07-045227 |             | NUT, HEX (Slotted) (1-3/4"-12, Grade 5)                                                          | 1    |
| 9    | 07-070511 |             | PIN, COTTER (1/8" x 2-1/2" long)                                                                 | 1    |
| 10   | 202 1131  |             | PLATE, SPINDLE END COVER                                                                         | 1    |
| 11   | 07-003001 |             | CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)                                                    | 3    |
| 12   | 07-065014 |             | WASHER, HELICAL LOCK (1/4")                                                                      | 3    |
|      |           |             | The following items are used <b>only</b> with Spindle Assembly 3509869 ("Type 2" assembly):      |      |
| 13   | 08-014000 |             | BEARING, SLEEVE (1-1/2" I.D., 1-3/4" O.D., 1-1/2" long)                                          | 2    |
| 14   | 08-051300 |             | FITTING, GREASE (1/8", 90°)                                                                      | 1    |
| 15   | 08-066300 |             | CAP, GREASE FITTING (White plastic)                                                              | 1    |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |
|      |           |             |                                                                                                  |      |

TITLE SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

PLATE NO. C01.13 SIMON AERIALS INC.

REV. 22 NOV., 1994

PART NO.



TITLE

SPINDLE ASSEMBLY, RIGHT AND LEFT HAND

**SIMON AERIALS INC.**

REV. 22 NOV., 1994

PART  
NO.

PLATE  
NO.

**C01.13**

## PARTS LIST

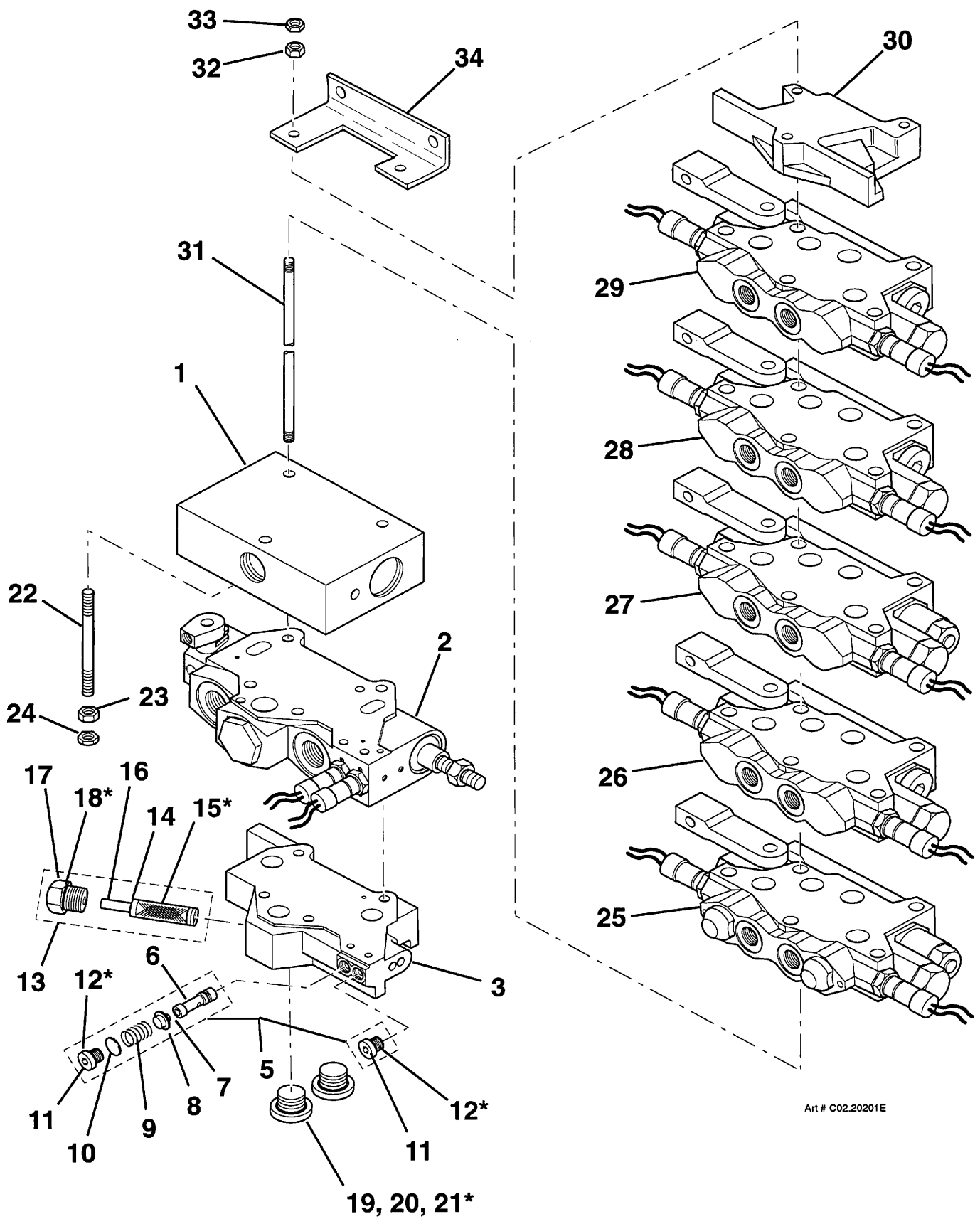
| ITEM | PART NO       | SEE SECTION | DESCRIPTION                                                                                   | QTY. |
|------|---------------|-------------|-----------------------------------------------------------------------------------------------|------|
|      | 01-231300     |             | GROUND VALVE BANK ASSEMBLY,<br>For Model RP 120<br>(nameplate is stamped "VAC 5710-0004-002") |      |
| 1    |               |             | MANIFOLD, ADAPTER                                                                             | 1    |
| 2    | See plate . . | D13.06      | VALVE SEGMENT, DRIVE CONTROL                                                                  | 1    |
| 3    | Call Simon    |             | INLET, LOAD SENSING                                                                           | 1    |
| 4    | Call Simon    |             | SEAL KIT, INLET (includes all items marked with asterisk*)                                    | 1    |
| 5    | Call Simon    |             | PILOT REDUCING KIT                                                                            | 1    |
| 6    |               |             | SPOOL, PILOT REDUCING                                                                         | 1    |
| 7    |               |             | BALL                                                                                          | 1    |
| 8    |               |             | GUIDE, SPRING                                                                                 | 1    |
| 9    |               |             | SPRING                                                                                        | 1    |
| 10   |               |             | SHIM                                                                                          | 1    |
| 11   |               |             | PLUG, SOCKET                                                                                  | 2    |
| 12   |               | *           | "O"-RING                                                                                      | 2    |
| 13   | Call Simon    |             | INLET FILTER KIT                                                                              | 1    |
| 14   |               |             | FILTER                                                                                        | 1    |
| 15   |               | *           | "O"-RING                                                                                      | 1    |
| 16   |               |             | TUBE, FILTER EXTENSION                                                                        | 1    |
| 17   |               |             | PLUG, SOCKET                                                                                  | 1    |
| 18   |               | *           | "O"-RING                                                                                      | 1    |
| 19   | Call Simon    |             | PLUG, SAE PORT                                                                                | 2    |
| 20   |               |             | PLUG                                                                                          | 1    |
| 21   |               | *           | "O"-RING                                                                                      | 1    |
| 22   |               |             | ROD, TIE                                                                                      | 4    |
| 23   |               |             | NUT, HEX                                                                                      | 4    |
| 24   |               |             | NUT, HEX JAM                                                                                  | 4    |
| 25   | See plate . . | D13.08      | VALVE SEGMENT, STEER CONTROL                                                                  | 1    |
| 26   | See plate . . | D13.09      | VALVE SEGMENT, JIB BOOM RAISE/ LOWER CONTROL                                                  | 1    |
| 27   | See plate . . | D13.07      | VALVE SEGMENT, BOOM TELESCOPE CONTROL                                                         | 1    |
| 28   | See plate . . | D13.09      | VALVE SEGMENT, MAIN BOOM RAISE/ LOWER CONTROL                                                 | 1    |
| 29   | See plate . . | D13.10      | VALVE SEGMENT, SWING CONTROL                                                                  | 1    |
| 30   | Call Simon    |             | PLATE, STACKING                                                                               | 1    |
| 31   |               |             | ROD, TIE                                                                                      | 3    |
| 32   |               |             | NUT, HEX                                                                                      | 3    |
| 33   |               |             | NUT, HEX JAM                                                                                  | 3    |
| 34   | Call Simon    |             | BRACKET, VALVE BANK MOUNTING                                                                  | 1    |

**TITLE** GROUND VALVE BANK ASS'Y., RP 120 (ELECTRO-PROPORTIONAL)

**PLATE NO.** C02.202 **SIMON AERIALS INC.**

NEW 26 JUL., 1994

**PART NO.** 3538380



TITLE GROUND VALVE BANK ASS'Y., RP 120 (ELECTRO-PROPORTIONAL)

**SIMON AERIALS INC.**

NEW 26 JUL., 1994

PART  
NO.

3538380

PLATE  
NO.

C02.202



## PARTS LIST

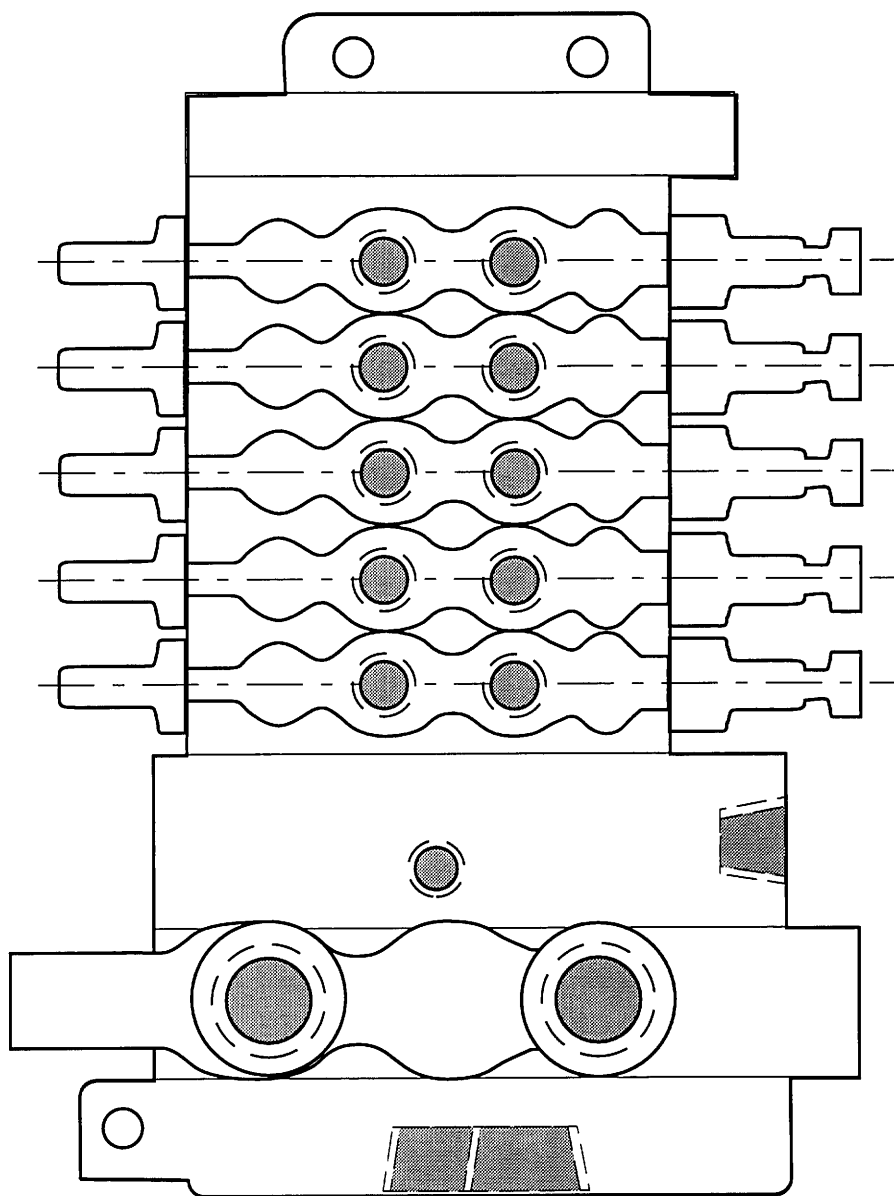
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                              | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------|------|
|      |           |             | The following valves, tubes and fittings are included as part of Valve Assembly 3538380: |      |
| 35   | 01-018200 |             | VALVE, CHECK                                                                             | 1    |
| 36   | 01-068200 |             | VALVE, CHECK (Pilot operated)                                                            | 1    |
| 37   | 01-019000 |             | VALVE, FLOW CONTROL (Needle valve) (#8 SAE)                                              | 2    |
| 38   | 06-039800 |             | ADAPTER, "O"-RING TO 37° (6 F50X-S)                                                      | 1    |
| 39   | 06-043000 |             | ADAPTER (LONG), "O"-RING TO 37° (6 FF50X-S)                                              | 1    |
| 40   | 06-039900 |             | ADAPTER, "O"-RING TO 37° (6-8 F50X-S)                                                    | 4    |
| 41   | 06-040000 |             | ADAPTER, "O"-RING TO 37° (6-10 F50X-S)                                                   | 1    |
| 42   | 06-040100 |             | ADAPTER, "O"-RING TO 37° (8 F50X-S)                                                      | 5    |
| 43   | 06-207800 |             | ADAPTER, SWIVEL NUT (8 F65X-S)                                                           | 1    |
| 44   | 06-040800 |             | ADAPTER, "O"-RING TO 37° (12 F50X-S)                                                     | 1    |
| 45   | 06-043300 |             | ADAPTER (LONG), "O"-RING TO 37° (12 FF50X-S)                                             | 2    |
| 46   | 06-041400 |             | ADAPTER, "O"-RING TO 37° (16 F50X-S)                                                     | 1    |
| 47   | 06-090600 |             | REDUCER/ EXPANDER (8-6 F50 G5-S)                                                         | 1    |
| 48   | 06-091900 |             | REDUCER/ EXPANDER (16-12 F50 G5-S)                                                       | 1    |
| 49   | 06-053000 |             | 45° ELBOW, SWIVEL NUT (6 V6X-S)                                                          | 2    |
| 50   | 06-051500 |             | 90° ELBOW, SWIVEL NUT (6 C6X-S)                                                          | 5    |
| 51   | 06-044700 |             | 90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)                                                  | 1    |
| 52   | 06-044800 |             | 90° ELBOW, STRAIGHT THREAD (8 C50X-S)                                                    | 1    |
| 53   | 06-051600 |             | 90° ELBOW, SWIVEL NUT (8 C6X-S)                                                          | 3    |
| 54   | 06-051800 |             | 90° ELBOW, SWIVEL NUT (12 C6X-S)                                                         | 3    |
| 55   | 06-052000 |             | 90° ELBOW, SWIVEL NUT (16 C6X-S)                                                         | 1    |
| 56   | 06-097300 |             | 90° ADAPTER, BENT STEM (63 UC-08-08)                                                     | 1    |
| 57   | 06-054500 |             | RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)                                                 | 2    |
| 58   | 06-048600 |             | RUN TEE, 37° MALE "O"-RING (8 R50X-S)                                                    | 1    |
| 59   | 06-057600 |             | NUT, TUBE (8 BTX-S)                                                                      | 1    |
| 60   | 06-060300 |             | REDUCER, TUBE END (8-6 TRTX-S)                                                           | 1    |
| 61   | 2190140   |             | TUBE ASSEMBLY (1/2" tubing, straight, 2-1/4" [57 mm] long)                               | 1    |
| 62   | 2190160   |             | TUBE ASSEMBLY (3/8", "J" shape, 8-7/16" [214 mm] long)                                   | 1    |
| 63   | 3507665   |             | TUBE ASSEMBLY (3/4" tubing, straight)                                                    | 1    |

**TITLE** GROUND VALVE BANK ASS'Y., RP 120 (ELECTRO-PROPORTIONAL)

**PLATE NO.** C02.202 **SIMON AERIALS INC.**

NEW 26 JUL., 1994

**PART NO.** 3538380



C02.20202E

TITLE GROUND VALVE BANK ASS'Y., RP 120 (ELECTRO-PROPORTIONAL)

**SIMON AERIALS INC.**

NEW 26 JUL., 1994

PART  
NO.

3538380

PLATE  
NO.

C02.202

## PARTS LIST

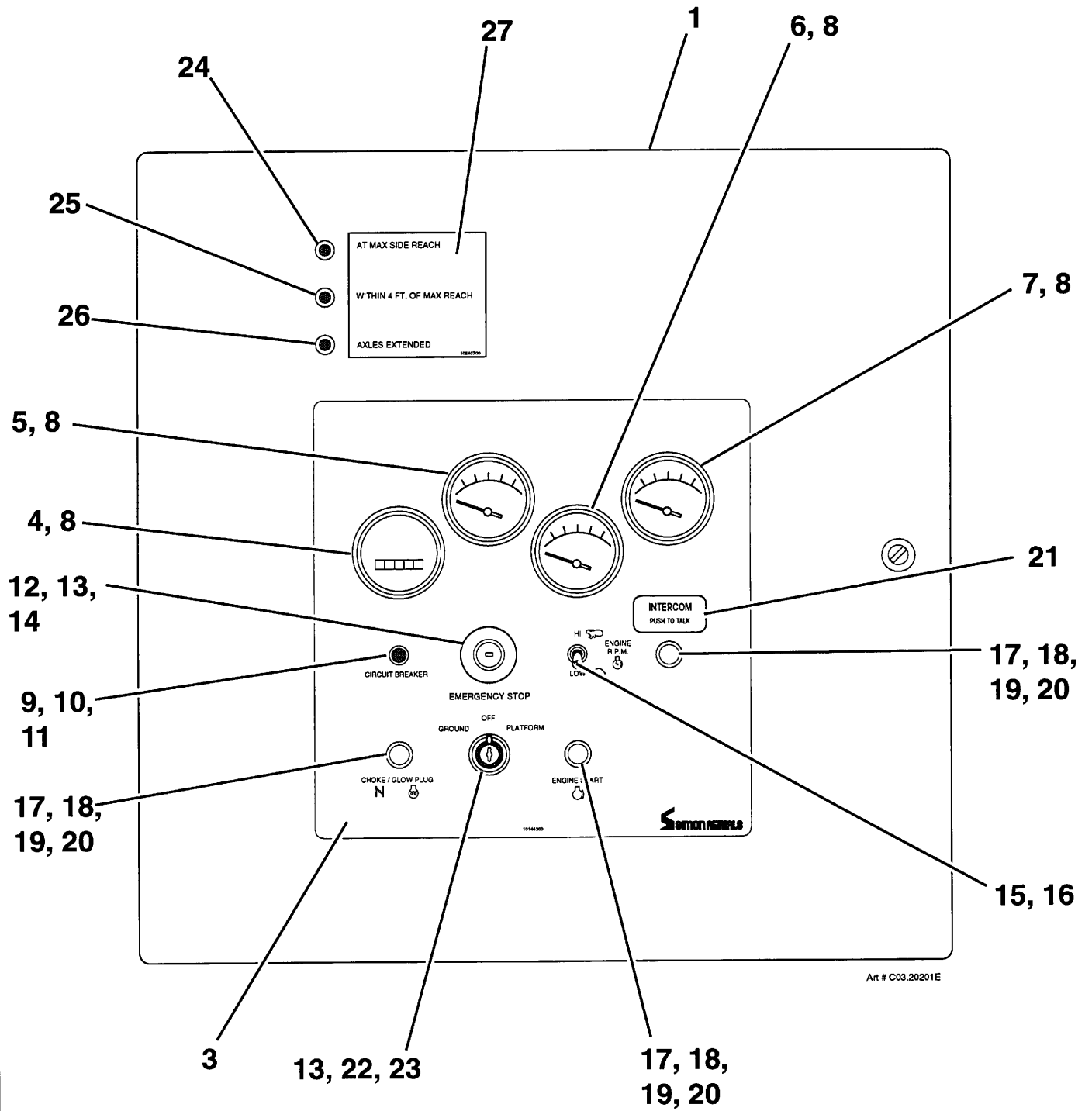
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                          | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------------------|------|
| 1    | 2327910   |             | BOX, GROUND CONTROL (Drilled. Includes cover)<br>[20" (50.8 cm) x 20" (50.8 cm) x 8" (20.3 mm) deep] | 1    |
| 2    | 03-495800 |             | PANEL, ENCLOSURE (17" x 17")                                                                         | 1    |
| 3    | 10-144300 |             | DECAL, GROUND CONTROL                                                                                | 1    |
| 4    | 03-492300 |             | METER, HOUR (12 to 24 Volt DC, solid state)                                                          | 1    |
| 5    | 03-492200 |             | METER, VOLTAGE (8 to 18 Volt range)                                                                  | 1    |
| 6    | 03-492400 |             | GAUGE, ENGINE OIL PRESSURE (12 Volt DC, 0 - 100 PSI)                                                 | 1    |
| 7    | 03-493300 |             | GAUGE, ENGINE COOLANT TEMPERATURE<br>(optional with liquid cooled engines)                           | 1    |
| 8    | 01-225700 |             | "O"-RING (1.989" I.D., .070" thick)                                                                  | A.R. |
| 9    | 03-024000 |             | BREAKER, CIRCUIT (20 Amp @ 120 Volt AC, push to reset)                                               | 1    |
| 10   | 01-037400 |             | "O"-RING (.351" I.D., .072" thick)                                                                   | 1    |
| 11   | 03-499800 |             | SEAL, CIRCUIT BREAKER BUTTON                                                                         | 1    |
| 12   | 03-702000 |             | BUTTON, EMERGENCY STOP<br>(Red, "pull to release" style)                                             | 1    |
| 13   | 03-454900 |             | BASE, CONTACT BLOCK                                                                                  | 2    |
| 14   | 03-437300 |             | BLOCK, CONTACT (Normally closed)                                                                     | 1    |
| 15   | 03-020400 |             | SWITCH, TOGGLE (Engine speed)<br>(2 position, maintained contact, single pole, single throw)         | 1    |
| 16   | 03-497900 |             | SEAL, PANEL                                                                                          | 1    |
| 17   | 03-402500 |             | SWITCH (10 Amp, 250 Volt AC)<br>(Choke/ Glow plug) (Engine start) (Optional intercom)                | A.R. |
| 18   | 03-402800 |             | BUTTON, PUSH (Blue)                                                                                  | A.R. |
|      | 03-402900 |             | BUTTON, PUSH (Green)                                                                                 | A.R. |
| 19   | 03-402600 |             | SEAL, SWITCH BEZEL                                                                                   | A.R. |
| 20   | 10-151000 |             | CAP (Black vinyl)                                                                                    | A.R. |
| 21   | 10-224700 |             | DECAL, "INTERCOM, PUSH TO TALK"<br>(also includes decal at platform station)                         | 1    |
| 22   | 03-478200 |             | SWITCH, KEY OPERATED (3 position. Includes 2 keys.)                                                  | 1    |
| 23   | 03-437200 |             | BLOCK, CONTACT (Normally open)                                                                       | 4    |
| 24   | 03-706400 |             | DIODE, LIGHT-EMITTING (L.E.D.) (Red, 12 Volt)                                                        | 1    |
| 25   | 03-707800 |             | DIODE, LIGHT-EMITTING (L.E.D.) (Yellow, 12 Volt)                                                     | 1    |
| 26   | 03-707900 |             | DIODE, LIGHT-EMITTING (L.E.D.) (Green, 12 Volt)                                                      | 1    |
| 27   | 10-240700 |             | DECAL, GROUND INDICATOR LAMPS                                                                        | 1    |
|      |           |             |                                                                                                      |      |
|      |           |             |                                                                                                      |      |

**TITLE** GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 1 OF 3)

**PLATE NO.** C03.202 **SIMON AERIALS INC.**

NEW 24 MAY, 1994

**PART NO.** 3538360



TITLE GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 1 OF 3)

**SIMON AERIALS INC.**

NEW 24 MAY, 1994

PART  
NO.

3538360

PLATE  
NO.

C03.202



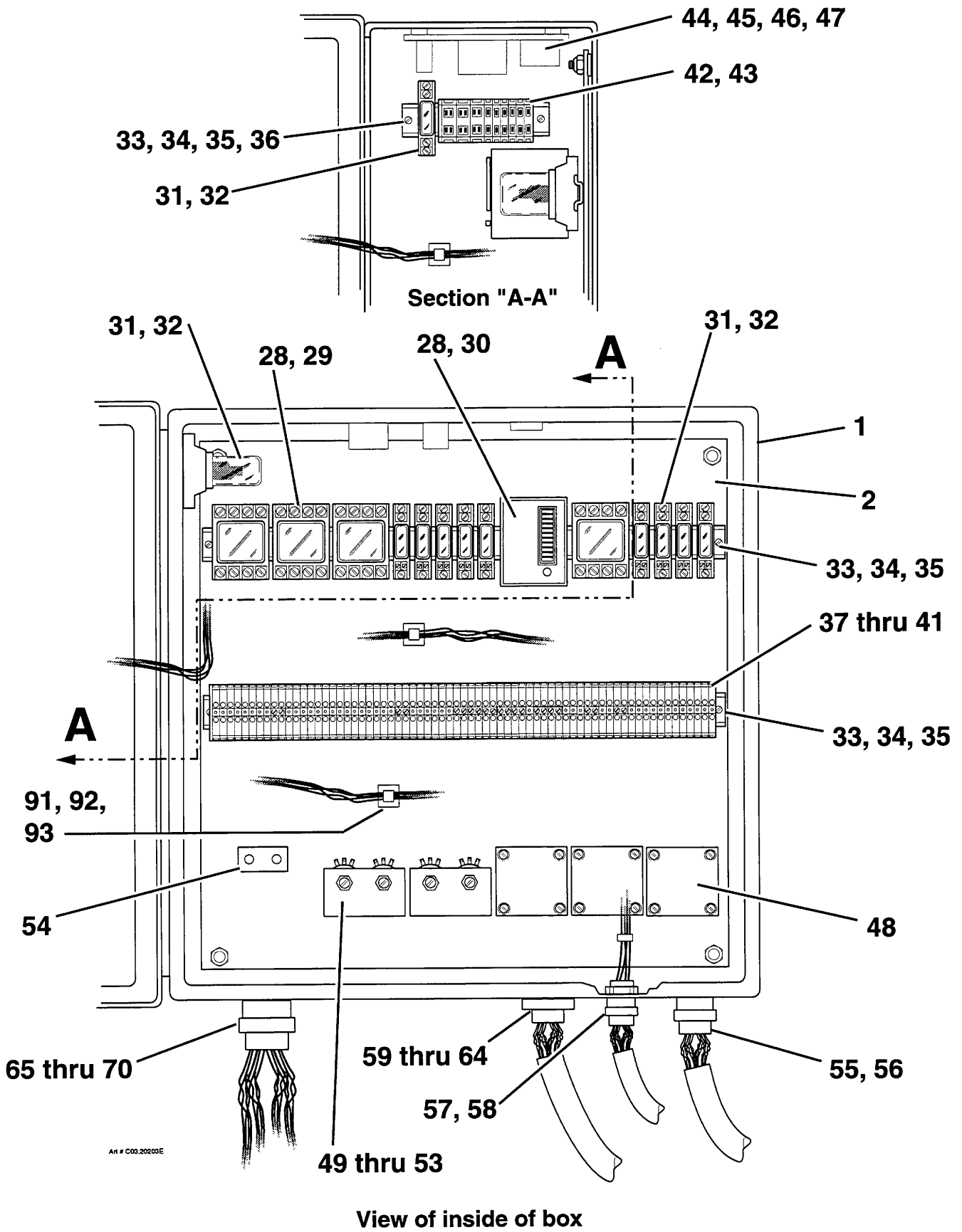
## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                             | QTY. |
|------|-----------|-------------|---------------------------------------------------------------------------------------------------------|------|
| 28   | 03-037500 |             | SOCKET, RELAY (Double pole, snap mount)                                                                 | 5    |
| 29   | 03-050100 |             | RELAY, PLUG IN (12 Volt DC, double pole)                                                                | 4    |
| 30   | 03-052800 |             | RELAY, TIME DELAY (.1 to 102.3 second, 12 Volt DC)                                                      | 1    |
| 31   | 03-051600 |             | SOCKET, RELAY (Single pole, snap mount)                                                                 | 10   |
| 32   | 03-051500 |             | RELAY, PLUG IN (12 Volt DC, single pole)                                                                | 10   |
| 33   | 03-051700 |             | RAIL, TERMINAL [1M (39.37") long section. Cut to fit.]                                                  | A.R. |
| 34   | 07-011335 |             | MACHINE SCREW, PAN HEAD (#6-32 x 1/2")                                                                  | 6    |
| 35   | 07-050007 |             | NUT, STOP (#6-32, Grade 5)                                                                              | 6    |
| 36   | 07-090063 |             | WASHER, EXTERNAL TOOTH LOCK (#6)                                                                        | 2    |
| 37   | 03-066200 |             | BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)                                                            | A.R. |
| 38   | 03-066100 |             | PLATE, TERMINAL BLOCK END                                                                               | 1    |
| 39   | 03-066300 |             | BAR, JUMPER (2 pole) (Double line jumper)                                                               | 5    |
| 40   | 03-067500 |             | BAR, JUMPER (3 pole) (Triple line jumper)                                                               | 1    |
| 41   | 03-707200 |             | BAR, JUMPER (4 pole) (Quad line jumper)                                                                 | 2    |
| 42   | 03-036400 |             | BLOCK, TERMINAL (2 conductor, for #16 to #24 Gauge wire)                                                | 6    |
| 43   | 03-036500 |             | BLOCK, TERMINAL (4 conductor, for #16 to #24 Gauge wire)                                                | 3    |
| 44   | 03-710800 |             | CIRCUIT BOARD ASSEMBLY<br>(Envelope control system backup)                                              | 1    |
| 45   |           |             | MACHINE SCREW (#4-40)                                                                                   | 4    |
| 46   |           |             | WASHER, FLAT (#4)                                                                                       | 4    |
| 47   |           |             | NUT, STOP (#4-40)                                                                                       | 4    |
| 48   | 03-481600 |             | MODULE, CONTROL (Nameplate marked "MC 31000036".<br>Controls low speed drive, controls boom functions.) | 3    |
| 49   | 03-027231 |             | POTENTIOMETER (10 K Ohm)                                                                                | 4    |
| 50   | 03-044900 |             | LOCK, SHAFT                                                                                             | 4    |
| 51   | 2323870   |             | BRACKET, POTENTIOMETER MOUNTING                                                                         | 2    |
| 52   | 07-011335 |             | MACHINE SCREW, PAN HEAD (#6-32 x 1/2")                                                                  | 2    |
| 53   | 07-050007 |             | NUT, STOP (#6-32, Grade 5)                                                                              | 2    |
| 54   | 03-024700 |             | BREAKER, CIRCUIT (20 Amp)                                                                               | 1    |
| 55   | 03-063200 |             | GRIP, CORD (3/4", with .69" to .75" seal)                                                               | 4    |
| 56   | 03-055600 |             | NUT, CONDUIT (3/4")                                                                                     | 4    |
| 57   | 03-041000 |             | GRIP, CORD (1/2", with .38" to .44" seal)                                                               | 6    |
| 58   | 03-055500 |             | NUT, CONDUIT (1/2")                                                                                     | 6    |
| 59   | 03-708000 |             | RECEPTACLE, ELECTRICAL<br>(Bulkhead, 6 conductor, #16 AWG)                                              | 1    |
| 60   | 03-708100 |             | PLUG, ELECTRICAL (6 conductor, #16 AWG)                                                                 | 1    |
|      |           |             |                                                                                                         |      |
|      |           |             |                                                                                                         |      |

TITLE GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 2 OF 3)

|           |         |                    |                  |          |         |
|-----------|---------|--------------------|------------------|----------|---------|
| PLATE NO. | C03.202 | SIMON AERIALS INC. | NEW 24 MAY, 1994 | PART NO. | 3538360 |
|-----------|---------|--------------------|------------------|----------|---------|





**TITLE** GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 2 OF 3)

**SIMON AERIALS INC.**

NEW 24 MAY, 1994

**PART  
NO.**

**3538360**

**PLATE  
NO.**

**C03.202**

## PARTS LIST

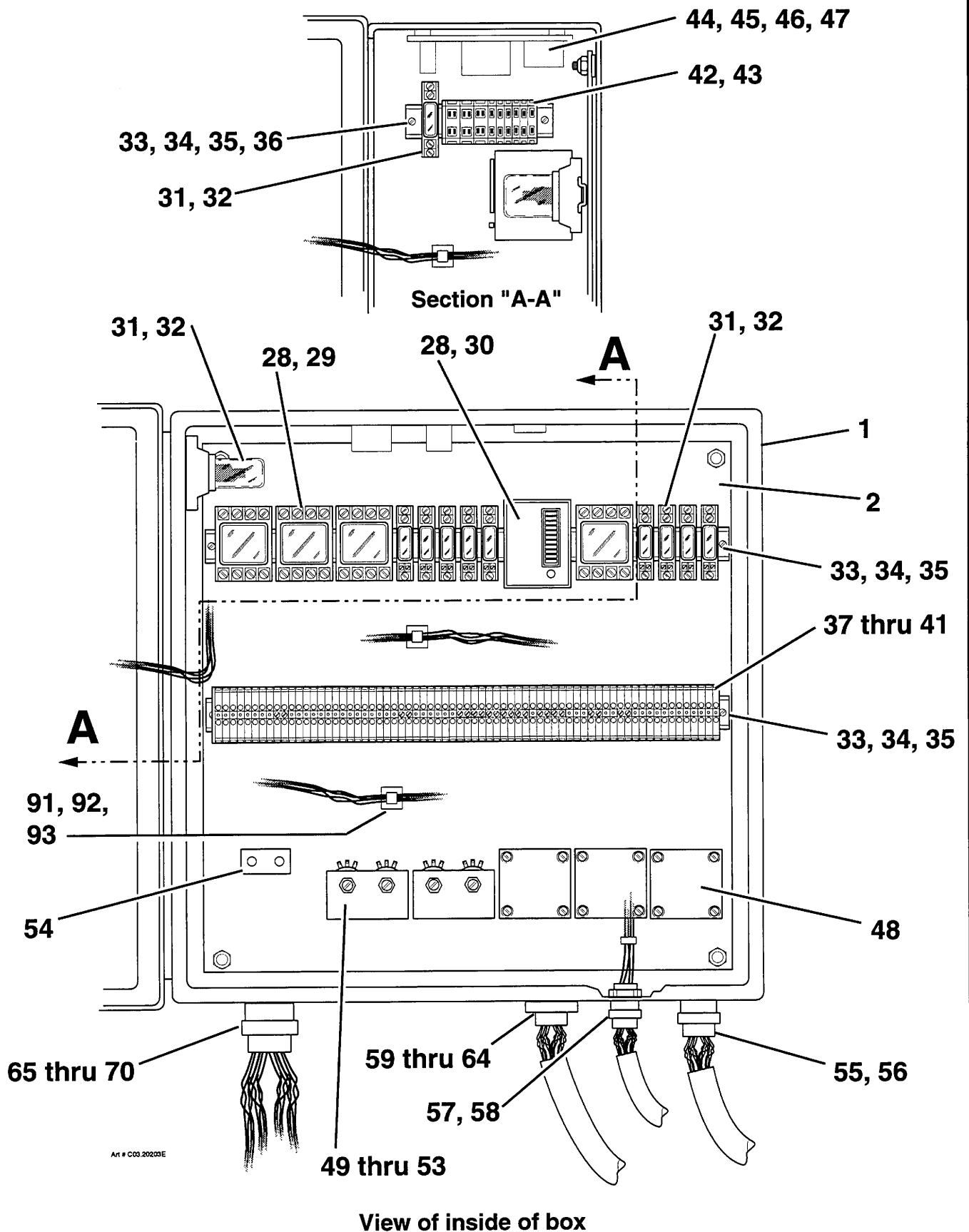
| ITEM                                                                                                                    | PART NO   | SEE SECTION | DESCRIPTION                                                                           | QTY. |
|-------------------------------------------------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------------------------|------|
| 61                                                                                                                      | 03-450500 |             | RECEPTACLE, ELECTRICAL (14 conductor)                                                 | 1    |
| 62                                                                                                                      | 03-450600 |             | NUT, PANEL                                                                            | 1    |
| 63                                                                                                                      | 03-450700 |             | WASHER, LOCK                                                                          | 1    |
| 64                                                                                                                      | 03-450800 |             | PLUG, ELECTRICAL (14 conductor)                                                       | 1    |
| 65                                                                                                                      | 03-450100 |             | RECEPTACLE, ELECTRICAL (23 conductor)                                                 | 2    |
| 66                                                                                                                      | 03-450200 |             | NUT, PANEL                                                                            | 2    |
| 67                                                                                                                      | 03-450300 |             | WASHER, LOCK                                                                          | 2    |
| 68                                                                                                                      | 03-450400 |             | PLUG, ELECTRICAL (23 conductor)                                                       | 2    |
| 69                                                                                                                      | 03-450900 |             | CONTACT, PIN                                                                          | 46   |
| 70                                                                                                                      | 03-451000 |             | CONTACT, SOCKET                                                                       | 46   |
| The following hardware items, listed for your convenience, are <b>typically</b> used in Simon electrical control boxes: |           |             |                                                                                       |      |
| 71                                                                                                                      | 03-488800 |             | CABLE, ELECTRICAL (Type F 569, 19 conductor, #16 AWG)<br>(Bulk item, order as needed) |      |
| 72                                                                                                                      | 03-088300 |             | WIRE, ELECTRICAL (#14 AWG, Blue, stranded) (Bulk item)                                |      |
| 73                                                                                                                      | 03-087500 |             | WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)                                |      |
| 74                                                                                                                      | 03-087600 |             | WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)                               |      |
| 75                                                                                                                      | 03-403800 |             | DIODE                                                                                 |      |
| 76                                                                                                                      | 03-092200 |             | COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)                                    |      |
| 77                                                                                                                      | 03-092300 |             | COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)                                  |      |
| 78                                                                                                                      | 03-096000 |             | TERMINAL, END (Blue, "piggyback") (#14-16 AWG)                                        |      |
| 79                                                                                                                      | 03-094600 |             | TERMINAL, RING (Blue, #14-16 AWG, #10 stud)                                           |      |
| 80                                                                                                                      | 03-091200 |             | TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)                                           |      |
| 81                                                                                                                      | 03-098400 |             | TERMINAL, END (Blue, #14-16 AWG)                                                      |      |
| 82                                                                                                                      | 03-099000 |             | CONNECTOR, BUTT (Blue, #14-16 AWG)                                                    |      |
| 83                                                                                                                      | 03-098100 |             | TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)                                     |      |
| 84                                                                                                                      | 03-095500 |             | TERMINAL, RING (Yellow, #10 AWG, #6 stud)                                             |      |
| 85                                                                                                                      | 03-095700 |             | TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)                                        |      |
| 86                                                                                                                      | 03-099100 |             | CONNECTOR, BUTT (Yellow, #10-12 AWG)                                                  |      |
| 87                                                                                                                      | 03-095900 |             | TERMINAL, RING (Red, #8 stud)                                                         |      |
| 88                                                                                                                      | 03-066800 |             | LOOM, WIRE (1/2")                                                                     |      |
| 89                                                                                                                      | 03-066900 |             | LOOM, WIRE (3/4")                                                                     |      |
| 90                                                                                                                      | 03-405200 |             | TUBING, HEAT SHRINK (Clear, 3/16")                                                    |      |
| 91                                                                                                                      | 03-439000 |             | TIE, CABLE [3-5/8" (92 mm) long]                                                      |      |
| 92                                                                                                                      | 03-064000 |             | TIE, CABLE [7.4" (188 mm) long]                                                       |      |
| 93                                                                                                                      | 03-064100 |             | MOUNT, CABLE TIE (Adhesive backed)                                                    |      |

TITLE GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 3 OF 3)

PLATE NO. C03.202 **SIMON AERIALS INC.**

NEW 24 MAY, 1994

PART NO. 3538360



Art # C03.20203E

TITLE GROUND CONTROL BOX ASSEMBLY, RP 120 (PLATE 3 OF 3)

SIMON AERIALS INC.

NEW 24 MAY, 1994

PART NO. 3538360

PLATE NO. C03.202

## PARTS LIST

| ITEM | PART NO     | SEE SECTION | DESCRIPTION                                                       | QTY. |
|------|-------------|-------------|-------------------------------------------------------------------|------|
| 1    | 3531160     |             | ENGINE ASSEMBLY, DIESEL (Isuzu 4BD1 PW)                           | 1    |
| 2    | 09-053800   |             | ENGINE, DIESEL (Isuzu 4BD1 PW)                                    |      |
|      |             |             | (83 HP [61.9 Kw] @ 2,800 RPM, liquid cooled 4 cyl.)               | 1    |
| 3    | 09-052200   |             | SENDER, OIL PRESSURE GAUGE (0-100 PSI)                            | 1    |
| 4    |             |             | ELEMENT, OIL FILTER (Isuzu part)                                  | 1    |
| 5    |             |             | REGULATOR, VOLTAGE (Isuzu part)                                   | 1    |
| 6    | 07-003001   |             | CAP SCREW, HEX HEAD (1/4"-20 x 1/2", Grade 5)                     | 2    |
| 7    | 07-065014   |             | WASHER, HELICAL LOCK (1/4")                                       | 2    |
| 8    | 07-060014   |             | WASHER, FLAT (1/4", SAE)                                          | 2    |
| 9    | 10-061200   |             | CLAMP, LOOP (#12)                                                 | 1    |
| 10   | 02-037000   |             | COUPLING (Star hub CK-100, 48-13-14 Tooth)                        | 1    |
| 11   | 02-036900   |             | COUPLING (Element CK-100, SAE #10)                                | 1    |
| 12   | 07-003046   |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")                            | 8    |
| 13   | 07-065016   |             | WASHER, HELICAL LOCK (3/8")                                       | 8    |
| 14   | 02-019100   |             | PLATE, PUMP MOUNTING (SAE 4C)                                     | 1    |
| 15   | 07-003046   |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-1/4")                            | 12   |
| 16   | 07-065016   |             | WASHER, HELICAL LOCK (3/8")                                       | 12   |
| 17   | See Index . | D08. - -    | PUMP ASSEMBLY, HYDRAULIC                                          | 1    |
| 18   | 07-004127   |             | CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)                   | 4    |
| 19   | 07-065021   |             | WASHER, HELICAL LOCK (5/8")                                       | 4    |
| 20   | 07-060021   |             | WASHER, FLAT (5/8")                                               | 4    |
| 21   | 01-013700   |             | VALVE, SOLENOID (2-way)                                           | 1    |
| 22   | 06-195700   |             | FITTING, FLANGED (1-1/2" suction to 2" SAE 90°)                   | 1    |
| 23   | 07-003087   |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)                   | 4    |
| 24   | 07-065018   |             | WASHER, HELICAL LOCK (1/2")                                       | 4    |
| 25   | 06-202100   |             | FITTING, FLANGED (LI-16-16S-30)                                   | 1    |
| 26   | 06-045600   |             | 90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)                         | 2    |
| 27   | 06-044700   |             | 90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)                           | 1    |
| 28   | 06-039300   |             | ADAPTER, "O"-RING TO 37° (4 F50X-S)                               | 1    |
| 29   | 2199490     |             | BRACKET, ENGINE REAR MOUNTING (Right)                             | 1    |
|      | 2199500     |             | BRACKET, ENGINE REAR MOUNTING (Left)                              | 1    |
| 30   | 07-003087   |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)                   | 8    |
| 31   | 07-065018   |             | WASHER, HELICAL LOCK (1/2")                                       | 8    |
| 32   | 2300410     |             | BRACKET, ENGINE CONTROLS                                          | 1    |
| 33   | 03-468700   |             | STRIP, TERMINAL (14 station)                                      | 1    |
| 34   | 07-011344   |             | MACHINE SCREW, ROUND HEAD CROSS RECESS<br>(#8-32 x 3/4", Grade 2) | 2    |
| 35   | 07-050009   |             | NUT, LOCK (#8-32, Grade 5)                                        | 2    |

TITLE

ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 1 OF 3)

PLATE NO. C04.35

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.

**THE ILLUSTRATION FOR  
THIS ENGINE IS NOT  
AVAILABLE AT THIS TIME**

**TITLE**

**ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 1 OF 3)**

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART  
NO.**

**PLATE  
NO. C04.35**



## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                     | QTY. |
|------|-----------|-------------|-------------------------------------------------|------|
| 36   | 03-051300 |             | RELAY (Single pole, single throw)               | 1    |
| 37   | 07-011343 |             | MACHINE SCREW, PAN HEAD (#8-32 x 1/2", Grade 2) | 1    |
| 38   | 07-050009 |             | NUT, LOCK (#8-32, Grade 5)                      | 1    |
| 39   | 07-062009 |             | WASHER, FLAT (#8)                               | 5    |
| 40   | 03-456900 |             | SOLENOID, THROTTLE (with module)                |      |
| 41   | 03-456803 |             | MODULE, TIMER                                   | 1    |
| 42   | 09-016402 |             | BALL JOINT (1/4"-28, straight)                  | 1    |
| 43   | 09-016403 |             | BALL JOINT (1/4"-28, 90°)                       | 1    |
| 44   | 07-047114 |             | NUT, JAM (1/4"-28, Grade 5)                     | 3    |
| 45   | 2300620   |             | BRACKET, ENGINE MOUNTING (Front)                | 1    |
| 46   |           |             | CAP SCREW, HEX HEAD (M10-1.25, short)           | 6    |
| 47   |           |             | CAP SCREW, HEX HEAD (M10-1.25, long)            | 2    |
| 48   | 07-066006 |             | WASHER, LOCK (M10)                              | 8    |
| 49   |           |             | RADIATOR ASSEMBLY (Isuzu part)                  | 1    |
| 50   |           |             | HOSE, RADIATOR (UPPER) (Isuzu part)             | 1    |
| 51   |           |             | HOSE, RADIATOR (LOWER) (Isuzu part)             | 1    |
| 52   |           |             | SHROUD, FAN (Isuzu part)                        | 1    |
| 53   |           |             | GUARD, FAN (Isuzu part)                         | 1    |
| 54   | 2327640   |             | SUPPORT, RADIATOR                               | 1    |
| 55   | 09-053500 |             | MOUNT, RUBBER                                   | 2    |
| 56   | 09-053600 |             | MOUNT, RUBBER                                   | 2    |
| 57   | 2300550   |             | SUPPORT, RADIATOR                               | 2    |
| 58   |           |             | BRACKET, THROTTLE MOUNTING                      | 1    |
| 59   |           |             | BUSHING                                         | 1    |
| 60   |           |             | ACTUATOR, THROTTLE                              | 1    |
| 61   |           |             | CAP SCREW, HEX HEAD                             | 8    |
| 62   |           |             | WASHER, FLAT                                    | 8    |
| 63   |           |             | NUT, STOP                                       | 8    |
| 64   |           |             | WASHER, FLAT                                    | 4    |
| 65   |           |             | NUT, LUG                                        | 4    |
| 66   |           |             | MUFFLER ASSEMBLY                                | 1    |
| 67   | 09-003000 |             | CLAMP, MUFFLER ("U"-bolt, 2-1/2")               | 2    |
| 68   |           |             | FILTER ASSEMBLY, AIR                            | 1    |
| 69   |           |             | ELEMENT, AIR FILTER                             | 1    |
| 70   |           |             | BAND, AIR CLEANER MOUNTING                      | 2    |
| 71   |           |             | BRACKET, AIR CLEANER (see also # 102)           | 1    |
| 72   |           |             | HOSE, AIR INTAKE                                | 1    |

**TITLE** ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 2 OF 3)

**PLATE NO.** C04.35 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART NO.**

**THE ILLUSTRATION FOR  
THIS ENGINE IS NOT  
AVAILABLE AT THIS TIME**

**TITLE**

**ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 2 OF 3)**

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

**PART  
NO.**

**PLATE  
NO. C04.35**

| ITEM            | PART N  |
|-----------------|---------|
| 73              | 03-0875 |
| 74              | 03-0876 |
| 75              | 03-0878 |
| 76              | 03-0883 |
| 77              | 03-0884 |
| 78              | 03-4553 |
| 79              | 03-4572 |
| 80              | 03-4663 |
| 81              | 03-0922 |
| 82              | 03-0923 |
| 83              | 03-0946 |
| 84              | 03-0948 |
| 85              | 03-0954 |
| 86              | 03-0956 |
| 87              | 03-0957 |
| 88              | 03-0912 |
| 89              | 03-0917 |
| 90              | 07-0083 |
| 91              | 07-0500 |
| 92              | 07-0030 |
| 93              | 07-0030 |
| 94              | 07-0500 |
| 95              | 07-0600 |
| 96              | 07-0650 |
| 97              | 07-0030 |
| 98              | 07-0600 |
|                 |         |
| 99              | 09-0183 |
| 100             | 09-0215 |
| 101             | 09-0418 |
| 102             | 215423  |
| TITLE           |         |
| PLATE NO. C04.3 |         |

**THE ILLUSTRATION FOR  
THIS ENGINE IS NOT  
AVAILABLE AT THIS TIME**

|                           |                                             |          |                  |
|---------------------------|---------------------------------------------|----------|------------------|
| TITLE                     | ENGINE ASSEMBLY, ISUZU 4 BD1 (PLATE 3 OF 3) |          |                  |
| <b>SIMON AERIALS INC.</b> | NEW 04 AUG., 1994                           | PART NO. | PLATE NO. C04.35 |

# PARTS LIST

| ITEM | PART NO                | SEE SECTION | DESCRIPTION                                                                                                                       | QTY. |
|------|------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | Call Simon<br>353 7940 |             | ENGINE ASSEMBLY, DIESEL (Detroit Diesel/ Perkins 4.236)<br>Standard version<br>With remote mounted radiator (Special application) | 1    |
| 2    | 09-058000              |             | ENGINE, DIESEL (Detroit Diesel/ Perkins 4.236)<br>(70 HP [52.2 Kw] @ 2,800 RPM, liquid cooled 4 cyl.)                             | 1    |
| 3    | 09-058200              |             | ALTERNATOR (12 Volt, 30 Amp, fully enclosed)                                                                                      | 1    |
| 4    | 09-058300              |             | REGULATOR, ALTERNATOR                                                                                                             | 1    |
| 5    | 09-058400              |             | PULLEY, ALTERNATOR                                                                                                                | 1    |
| 6    | 07-066005              |             | WASHER, LOCK (8 mm) (Fan mounting)                                                                                                | 4    |
| 7    | 09-034000              |             | SWITCH, COOLANT TEMPERATURE SENDING                                                                                               | 1    |
| 8    | 09-052200              |             | SENDER, OIL PRESSURE GAUGE (0-100 PSI)                                                                                            | 1    |
| 9    | 06-081300              |             | 45° STREET ELBOW (1/8 CD45-S)                                                                                                     | 1    |
| 10   | 09-047800              |             | SWITCH, OIL PRESSURE GAUGE (15 PSI, 1/8" NPT)                                                                                     | 1    |
| 11   |                        |             | ELEMENT, OIL FILTER (Detroit Diesel/ Perkins part)                                                                                | 1    |
| 12   | 215 8340               |             | BRACKET, ACCESSORY PANEL                                                                                                          | 1    |
| 13   | 07-003087              |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/2", Grade 5)                                                                                   | 4    |
| 14   | 07-065018              |             | WASHER, HELICAL LOCK (1/2")                                                                                                       | 4    |
| 15   | 07-060018              |             | WASHER, FLAT (1/2", SAE)                                                                                                          | 4    |
| 16   | 03-051300              |             | RELAY (Single pole, single throw)                                                                                                 | 1    |
| 17   | 07-003002              |             | CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)                                                                                     | 4    |
| 18   | 07-050014              |             | NUT, LOCK (1/4"-20, Grade 5)                                                                                                      | 4    |
| 19   | 07-060014              |             | WASHER, FLAT (1/4", SAE)                                                                                                          | 4    |
| 20   | 03-068000              |             | STRIP, TERMINAL (10 station)                                                                                                      | 1    |
| 21   | 07-011334              |             | MACHINE SCREW, ROUND HEAD CROSS RECESS<br>(#6-32 x 3/4", Grade 2)                                                                 | 2    |
| 22   | 07-050007              |             | NUT, STOP (#6-32, Grade 5)                                                                                                        | 2    |
| 23   | 07-003002              |             | CAP SCREW, HEX HEAD (1/4"-20 x 5/8", Grade 5)                                                                                     | 2    |
| 24   | 07-050014              |             | NUT, LOCK (1/4"-20, Grade 5)                                                                                                      | 2    |
| 25   | 03-456800              |             | SOLENOID, THROTTLE (with module)                                                                                                  |      |
| 26   | 03-456803              |             | MODULE, TIMER                                                                                                                     | 1    |
| 27   | 07-008354              |             | CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)                                                                                 | 2    |
| 28   | 07-062009              |             | WASHER, FLAT (#8)                                                                                                                 | 2    |
| 29   | 07-050011              |             | NUT, LOCK (#10-24, Grade 2)                                                                                                       | 2    |
| 30   | 11-008005              |             | ROD, THREADED (1/4"-28, Grade 5) (3 Ft [.91 M] long<br>piece. Cut to fit. 13" [.33 M] long piece needed here.)                    | 1    |
| 31   | 09-016402              |             | BALL JOINT (1/4"-28, straight)                                                                                                    | 1    |
| 32   | 09-016403              |             | BALL JOINT (1/4"-28, 90°)                                                                                                         | 1    |
| 33   | 07-047114              |             | NUT, JAM (1/4"-28, Grade 5)                                                                                                       | 3    |
| 34   | 07-065014              |             | WASHER, HELICAL LOCK (1/4")                                                                                                       | 1    |

**TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 1 OF 4)**

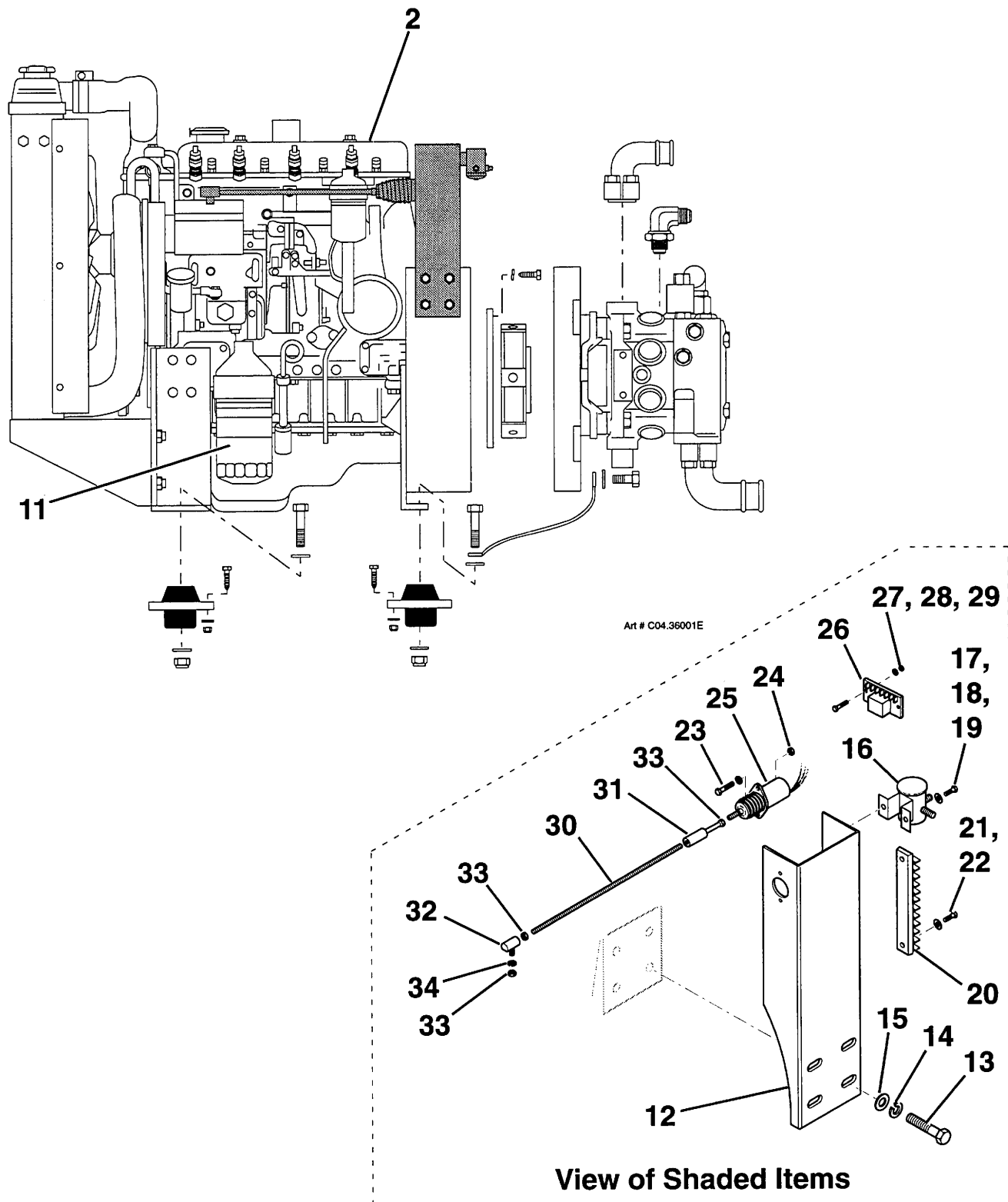
**PLATE NO. C04.36**

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

**PART NO.**





TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 1 OF 4)

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

PART  
NO.

PLATE  
NO. C04.36

## PARTS LIST

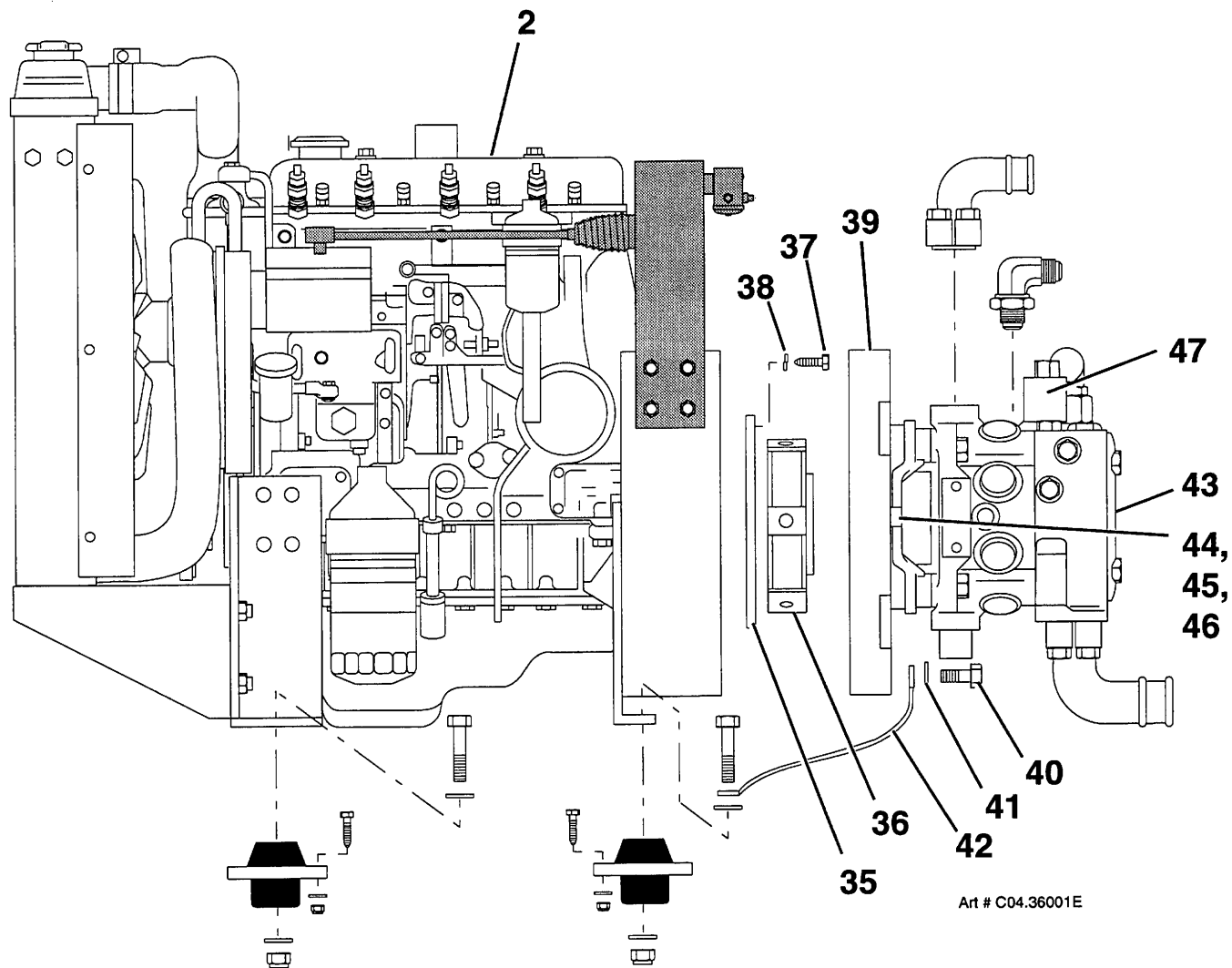
| ITEM | PART NO     | SEE SECTION | DESCRIPTION                                           | QTY. |
|------|-------------|-------------|-------------------------------------------------------|------|
| 35   | 02-012800   |             | ADAPTER PLATE, COUPLING                               | 1    |
| 36   | 02-012600   |             | COUPLING (Model "1", size "30")                       | 1    |
| 37   | 07-008305   |             | CAP SCREW, SOCKET HEAD (3/8"-24 x 1")                 | 8    |
| 38   | 07-065016   |             | WASHER, HELICAL LOCK (3/8")                           | 8    |
| 39   | 210 8660    |             | ADAPTER, PUMP MOUNTING                                | 1    |
| 40   | 07-003051   |             | CAP SCREW, HEX HEAD (3/8"-16 x 2-1/2")                | 12   |
| 41   | 07-065016   |             | WASHER, HELICAL LOCK (3/8")                           | 12   |
| 42   | 03-074000   |             | CABLE, GROUND (Black, 9-3/4" [25 cm] long, 3/8" lugs) |      |
| 43   | See Index . | D08. - -    | PUMP ASSEMBLY, HYDRAULIC                              | 1    |
| 44   | 07-004127   |             | CAP SCREW, HEX HEAD (5/8"-11 x 1-1/2", Grade 8)       | 4    |
| 45   | 07-065021   |             | WASHER, HELICAL LOCK (5/8")                           | 4    |
| 46   | 07-060021   |             | WASHER, FLAT (5/8")                                   | 4    |
| 47   | 01-013700   |             | VALVE, SOLENOID (2-way)                               | 1    |
| 48   | 06-196900   |             | 90° FITTING, SUCTION (Flanged, 2" to 2") (ORFC 32-90) | 1    |
| 49   | 07-003086   |             | CAP SCREW, HEX HEAD (1/2"-13 x 1-1/4", Grade 5)       | 4    |
| 50   | 07-065018   |             | WASHER, HELICAL LOCK (1/2")                           | 4    |
| 51   | 06-202100   |             | FITTING, FLANGED (LI-16-16S-30)                       |      |
|      |             |             | (obsolete, replaced by 06-213800 and 06-213900)       | 1    |
|      | 06-213900   |             | STEM, ADAPTER                                         |      |
|      |             |             | (with kit 06-213800, replaces 06-202100)              | 1    |
| 52   | 06-213800   |             | FLANGE/ ADAPTER KIT                                   |      |
|      |             |             | (includes two flange halves and mounting hardware)    |      |
|      |             |             | (with stem 06-213900, replaces 06-202100)             | 1    |
| 53   | 06-214300   |             | 90° STEM, HOSE (1-1/2" dia. hose, 2" flange)          | 1    |
| 54   | 06-214400   |             | FLANGE SET (2")                                       |      |
|      |             |             | (includes two flange halves and mounting hardware)    | 1    |
| 55   |             |             | 90° STEM, HOSE (16 FL 5K - 12 MJ 90°)                 | 1    |
| 56   |             |             | FLANGE SET (16 CFH-S)                                 |      |
|      |             |             | (includes two flange halves and mounting hardware)    | 1    |
| 57   | 06-045600   |             | 90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)             | 2    |
| 58   | 06-044700   |             | 90° ELBOW, STRAIGHT THREAD (6-8 C50X-S)               | 1    |
| 59   | 06-039300   |             | ADAPTER, "O"-RING TO 37° (4 F50X-S)                   | 1    |
| 60   | 06-074600   |             | TEE (1/8 MRO-S)                                       | 1    |
| 61   | 10-242800   |             | TUBING (Copper, 5/16" dia., .032" wall)               |      |
|      |             |             | (Bulk item, order as needed. 6" [152 mm] needed here) | A.R. |
|      |             |             |                                                       |      |
|      |             |             |                                                       |      |

**TITLE** ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 2 OF 4)

**PLATE NO.** C04.36 **SIMON AERIALS INC.**

NEW 22 NOV., 1994

**PART NO.**



TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 2 OF 4)

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

PART  
NO.

PLATE  
NO. C04.36

## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                        | QTY. |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------|------|
|      |           |             | The following items <b>are not</b> part of the Engine Assembly:                                    |      |
| 62   | 09-006500 |             | MOUNT, ENGINE                                                                                      | 4    |
| 63   |           |             | CAP SCREW, HEX HEAD                                                                                | 4    |
| 64   |           |             | WASHER, FLAT                                                                                       | 4    |
| 65   |           |             | WASHER, FLAT (SAE)                                                                                 | 8    |
| 66   |           |             | NUT, HEX LOCK                                                                                      | 4    |
| 67   |           |             | CAP SCREW, HEX HEAD                                                                                | 8    |
| 68   |           |             | WASHER, FLAT                                                                                       | 8    |
| 69   |           |             | NUT, HEX LOCK                                                                                      | 8    |
| 70   | 09-007000 |             | AIR CLEANER ASSEMBLY (8" [203 mm] dia.)                                                            | 1    |
| 71   |           |             | ELEMENT, AIR FILTER                                                                                | 1    |
| 72   | 09-003400 |             | BAND, MOUNTING (8" dia.)                                                                           | 2    |
| 73   |           |             | SCREW                                                                                              | 4    |
| 74   |           |             | NUT, LOCK                                                                                          | 4    |
| 75   |           |             | WASHER, FLAT                                                                                       | 4    |
| 76   |           |             | BRACKET, AIR CLEANER                                                                               | 2    |
| 77   |           |             | SCREW, SELF-TAPPING                                                                                | 4    |
| 78   |           |             | WASHER, FLAT                                                                                       | 4    |
| 79   | 09-007100 |             | PRE-CLEANER (3-3/4" [95 mm] dia.)                                                                  | 1    |
| 80   | 09-036000 |             | ELBOW (2-1/2" x 2-1/2")                                                                            | 2    |
| 81   |           |             | CLAMP                                                                                              | 1    |
| 82   | 09-009900 |             | INDICATOR, AIR FILTER SERVICE (20")                                                                | 1    |
| 83   | 06-081300 |             | 45° STREET ELBOW (1/8 CD45-S)                                                                      | 1    |
| 84   | 09-003500 |             | ELBOW (Rubber, 3" I.D.)                                                                            | 1    |
| 85   |           |             | CLAMP, WORM                                                                                        | 2    |
| 86   | 09-021500 |             | REDUCER, HUMP (2-3/4" to 3")                                                                       | 1    |
| 87   |           |             | CLAMP, WORM                                                                                        | 1    |
| 88   | 09-021300 |             | TUBE, FLEX (2-1/2" I.D. Stainless steel)<br>(Bulk item, order as needed. 3 Ft [.91 M] needed here) | A.R. |
| 89   | 09-003000 |             | CLAMP, MUFFLER (2-1/2", "U" bolt, universal)                                                       | 2    |
| 90   | 233 7870  |             | ELBOW, EXHAUST                                                                                     | 2    |
| 91   | 09-040000 |             | MUFFLER                                                                                            | 1    |
| 92   | 09-009400 |             | CAP, RAIN (2-1/2")                                                                                 | 1    |
| 93   |           |             | SCREW, SELF-TAPPING                                                                                | 4    |
| 94   |           |             | WASHER, FLAT                                                                                       | 4    |
| 95   | 05-009900 |             | HOSE, SUCTION (32 G4H)<br>(Bulk item, order as needed. 3 Ft [.91 M] needed here)                   | A.R. |
| 96   | 05-081900 |             | HOSE, FUEL LINE (5/16" I.D.)<br>(Bulk item, order as needed. 16 Ft [4.9 M] needed here)            | A.R. |
| 97   | 05-084700 |             | HOSE, FUEL LINE (1/8" I.D.)<br>(Bulk item, order as needed. 20 Ft [6.1 M] needed here)             | A.R. |

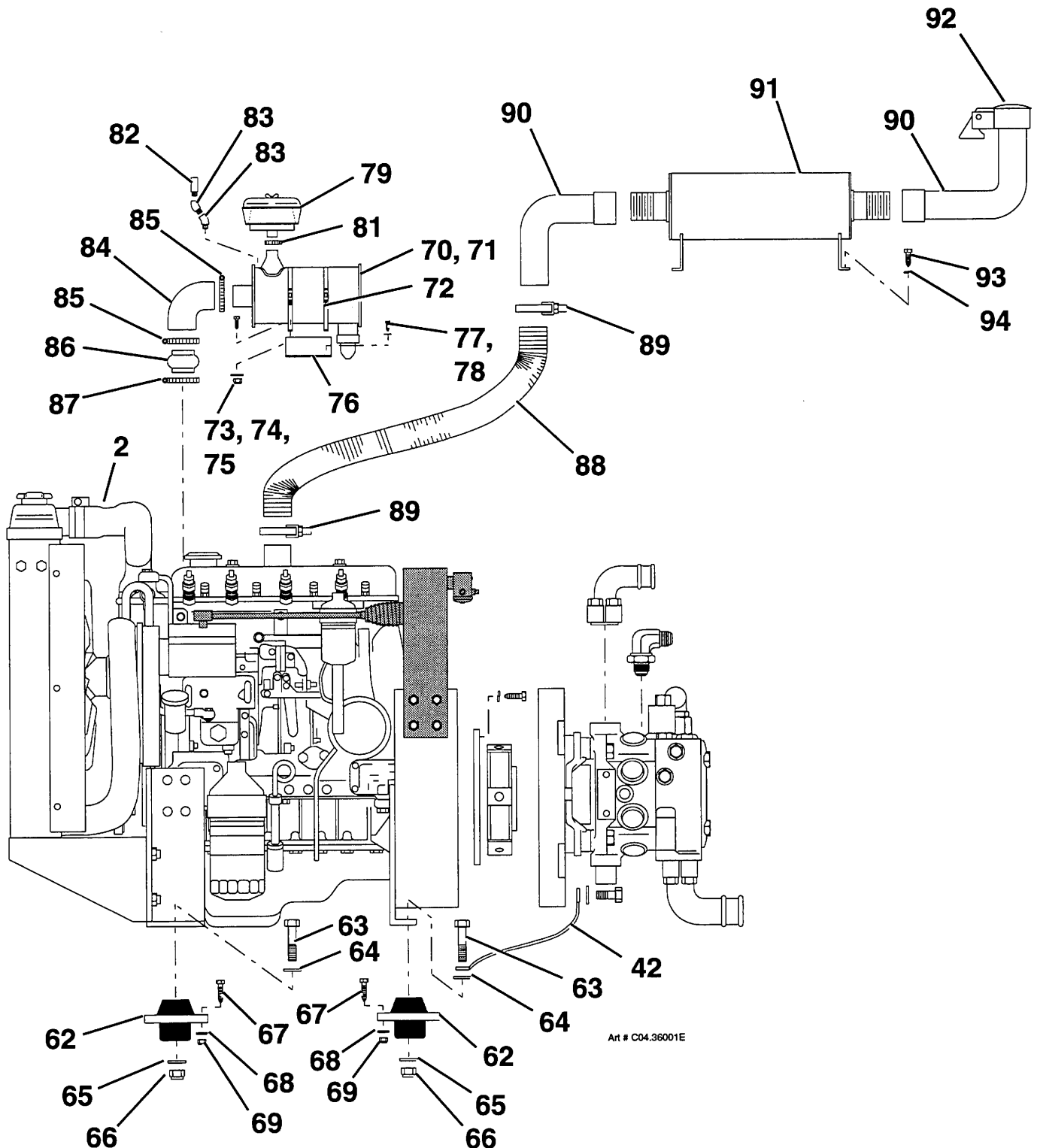
**TITLE** ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 3 OF 4)

**PLATE NO.** C04.36

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

**PART NO.**



Art # C04.36001E

TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 3 OF 4)

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

PART  
NO.

PLATE  
NO. C04.36



## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                  | QTY. |
|------|-----------|-------------|----------------------------------------------------------------------------------------------|------|
|      |           |             | <b>The following items are used when the optional remote mounted radiator is specified:</b>  |      |
| 98   | 09-058600 |             | HOSE, RADIATOR (2" I.D.) (Bulk item, order as needed. 2.04" [.91 M] needed this application) | A.R. |
| 99   | 09-008500 |             | CLAMP, HOSE (3-1/2")                                                                         | 4    |
| 100  |           |             | CUSHION, RADIATOR (Lower)                                                                    | 2    |
| 101  |           |             | CAP SCREW, HEX HEAD                                                                          | 2    |
| 102  |           |             | WASHER, FLAT (3/8")                                                                          | 2    |
| 103  |           |             | NUT, HEX LOCK (3/8"-16, Grade 5)                                                             | 2    |
| 104  |           |             | CAP SCREW, HEX HEAD                                                                          | 4    |
| 105  |           |             | WASHER, FLAT (3/8")                                                                          | 4    |
| 106  |           |             | NUT, HEX LOCK (3/8"-16, Grade 5)                                                             | 4    |
| 107  |           |             | BRACKET, RADIATOR (Upper)                                                                    | 2    |
| 108  |           |             | CUSHION, RADIATOR (Upper)                                                                    | 2    |
| 109  |           |             | BRACKET, RADIATOR CUSHION (Upper)                                                            | 2    |
| 110  |           |             | NUT, HEX                                                                                     | 4    |
| 111  |           |             | WASHER, HELICAL LOCK                                                                         | 4    |
|      |           |             | <b>The following hardware items may be used:</b>                                             |      |
| 112  | 03-087500 |             | WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)                                       | A.R. |
| 113  | 03-087600 |             | WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)                                      | A.R. |
| 114  | 03-087800 |             | WIRE, ELECTRICAL (#16 AWG, Red) (Bulk item)                                                  | A.R. |
| 115  | 03-088300 |             | WIRE, ELECTRICAL (#14 AWG, Blue) (Bulk item)                                                 | A.R. |
| 116  | 03-088400 |             | WIRE, ELECTRICAL (#14 AWG, Black) (Bulk item)                                                | A.R. |
| 117  | 03-455300 |             | WIRE, ELECTRICAL (#10 AWG, Black, stranded) (Bulk item)                                      | A.R. |
| 118  | 03-457200 |             | WIRE, ELECTRICAL (#10 AWG, Blue, stranded) (Bulk item)                                       | A.R. |
| 119  | 03-466300 |             | WIRE, ELECTRICAL (#10 AWG, Red, stranded) (Bulk item)                                        | A.R. |
| 120  | 03-092200 |             | COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)                                           | 5    |
| 121  | 03-092300 |             | COUPLING, INSULATED (Female, blue nylon, 14-16 AWG)                                          | 5    |
| 122  | 03-094600 |             | TERMINAL, RING (Blue, #14-16 AWG, #10 stud)                                                  | 6    |
| 123  | 03-094800 |             | TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)                                                 | 1    |
| 124  | 03-095400 |             | TERMINAL, RING (Blue, #10-12 AWG, #10 stud)                                                  | 3    |
| 125  | 03-095600 |             | TERMINAL, RING (Blue, #10-12 AWG, 1/4" stud)                                                 | 5    |
| 126  | 03-095700 |             | TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)                                               | 9    |
| 127  | 03-091200 |             | TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)                                                  | 19   |
| 128  | 03-091700 |             | TERMINAL, SPADE (Locking, #10-12 AWG, #6 stud)                                               | 5    |

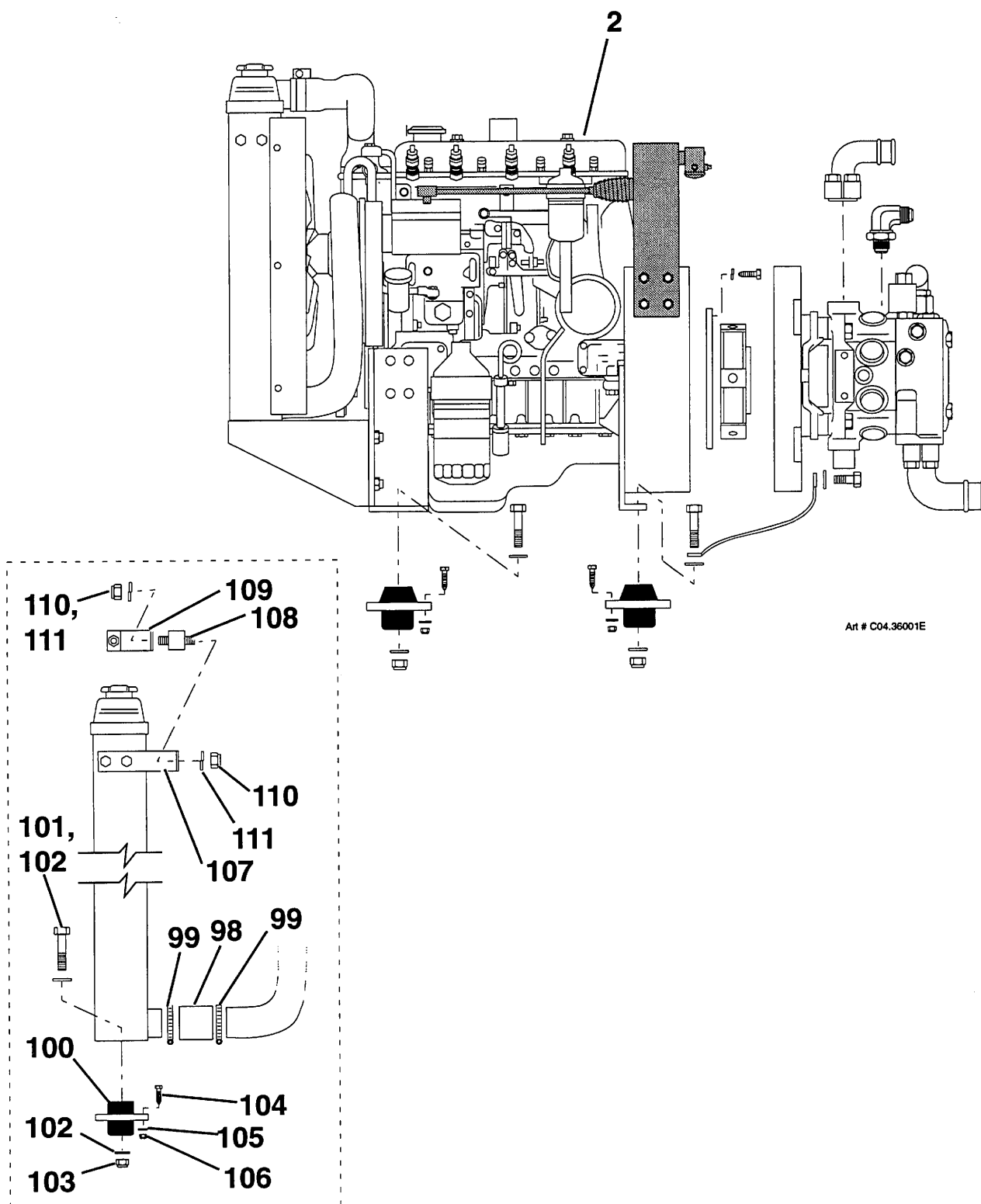
**TITLE** ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 4 OF 4)

**PLATE NO.** C04.36

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

**PART NO.**



**With Remote Mounted Radiator**

**TITLE ENGINE ASSEMBLY, DETROIT DIESEL (PERKINS) 4.236 (PLATE 4 OF 4)**

**SIMON AERIALS INC.**

NEW 22 NOV., 1994

**PART  
NO.**

**PLATE  
NO. C04.36**

## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                                          | QTY. |
|------|-----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 2328660   |             | BOX, CONTROL (drilled, includes cover)                                                                                               | 1    |
| 2    | 03-020500 |             | SWITCH, TOGGLE (Steer) (Swing) (Three position, momentary contact, single pole, double throw)                                        | 2    |
| 3    | 03-020600 |             | SWITCH, TOGGLE<br>(Drive) (Pump) (Jib Boom) (Boom Telescope) (Main Boom)<br>(Three position, momentary contact, dbl pole, dbl throw) | 5    |
| 4    | 03-497900 |             | SEAL, PANEL                                                                                                                          | 7    |
| 5    | 10-224900 |             | DECAL, REMOTE CONTROL PENDANT                                                                                                        | 1    |
| 6    | 01-031705 |             | KNOB, CONTROL BOX MOUNTING                                                                                                           | 2    |
| 7    | 07-008354 |             | CAP SCREW, SOCKET HEAD (#10-24 x 1-1/4", Grade 8)                                                                                    | 2    |
| 8    | 07-062011 |             | WASHER, FLAT (#10)                                                                                                                   | 8    |
| 9    | 03-488900 |             | CABLE, ELECTRICAL (#16 AWG, 24 conductor)                                                                                            |      |
|      |           |             | [20 Ft (6.1 M) needed for this application]                                                                                          | A.R. |
| 10   | 03-063200 |             | GRIP, CORD (3/4", sealing)                                                                                                           | 1    |
| 11   | 03-055600 |             | NUT, CONDUIT LOCK (3/4")                                                                                                             | 1    |
|      |           |             | <i>The following hardware items, listed for your convenience, are typically used in Simon electrical control boxes:</i>              |      |
| 12   | 03-088300 |             | WIRE, ELECTRICAL (#14 AWG, Blue, stranded) (Bulk item)                                                                               |      |
| 13   | 03-087500 |             | WIRE, ELECTRICAL (#16 AWG, Blue, stranded) (Bulk item)                                                                               |      |
| 14   | 03-087600 |             | WIRE, ELECTRICAL (#16 AWG, Black, stranded) (Bulk item)                                                                              |      |
| 15   | 03-403800 |             | DIODE                                                                                                                                |      |
| 16   | 03-092200 |             | COUPLING, INSULATED (Male, blue nylon, #14-16 AWG)                                                                                   |      |
| 17   | 03-092300 |             | COUPLING, INSULATED (Female, blue nylon, #14-16 AWG)                                                                                 |      |
| 18   | 03-096000 |             | TERMINAL, END (Blue, "piggyback") (#14-16 AWG)                                                                                       |      |
| 19   | 03-094600 |             | TERMINAL, RING (Blue, #14-16 AWG, #10 stud)                                                                                          |      |
| 20   | 03-091200 |             | TERMINAL, SPADE (Blue, #14-16 AWG, #6 stud)                                                                                          |      |
| 21   | 03-098400 |             | TERMINAL, END (Blue, #14-16 AWG)                                                                                                     |      |
| 22   | 03-099000 |             | CONNECTOR, BUTT (Blue, #14-16 AWG)                                                                                                   |      |
| 23   | 03-098100 |             | TERMINAL, INSULATED (Slip-on, yellow, #10-12 AWG)                                                                                    |      |
| 24   | 03-095500 |             | TERMINAL, RING (Yellow, #10 AWG, #6 stud)                                                                                            |      |
| 25   | 03-095700 |             | TERMINAL, RING (Yellow, #10-12 AWG, 3/8" stud)                                                                                       |      |
| 26   | 03-099100 |             | CONNECTOR, BUTT (Yellow, #10-12 AWG)                                                                                                 |      |
| 27   | 03-095900 |             | TERMINAL, RING (Red, #8 stud)                                                                                                        |      |
| 28   | 03-066800 |             | LOOM, WIRE (1/2")                                                                                                                    |      |
| 29   | 03-066900 |             | LOOM, WIRE (3/4")                                                                                                                    |      |
| 30   | 03-405200 |             | TUBING, HEAT SHRINK (Clear, 3/16")                                                                                                   |      |
| 31   | 03-439000 |             | TIE, CABLE [3-5/8" (92 mm) long]                                                                                                     |      |
| 32   | 03-064100 |             | MOUNT, CABLE TIE (Adhesive backed)                                                                                                   |      |

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

PLATE NO.

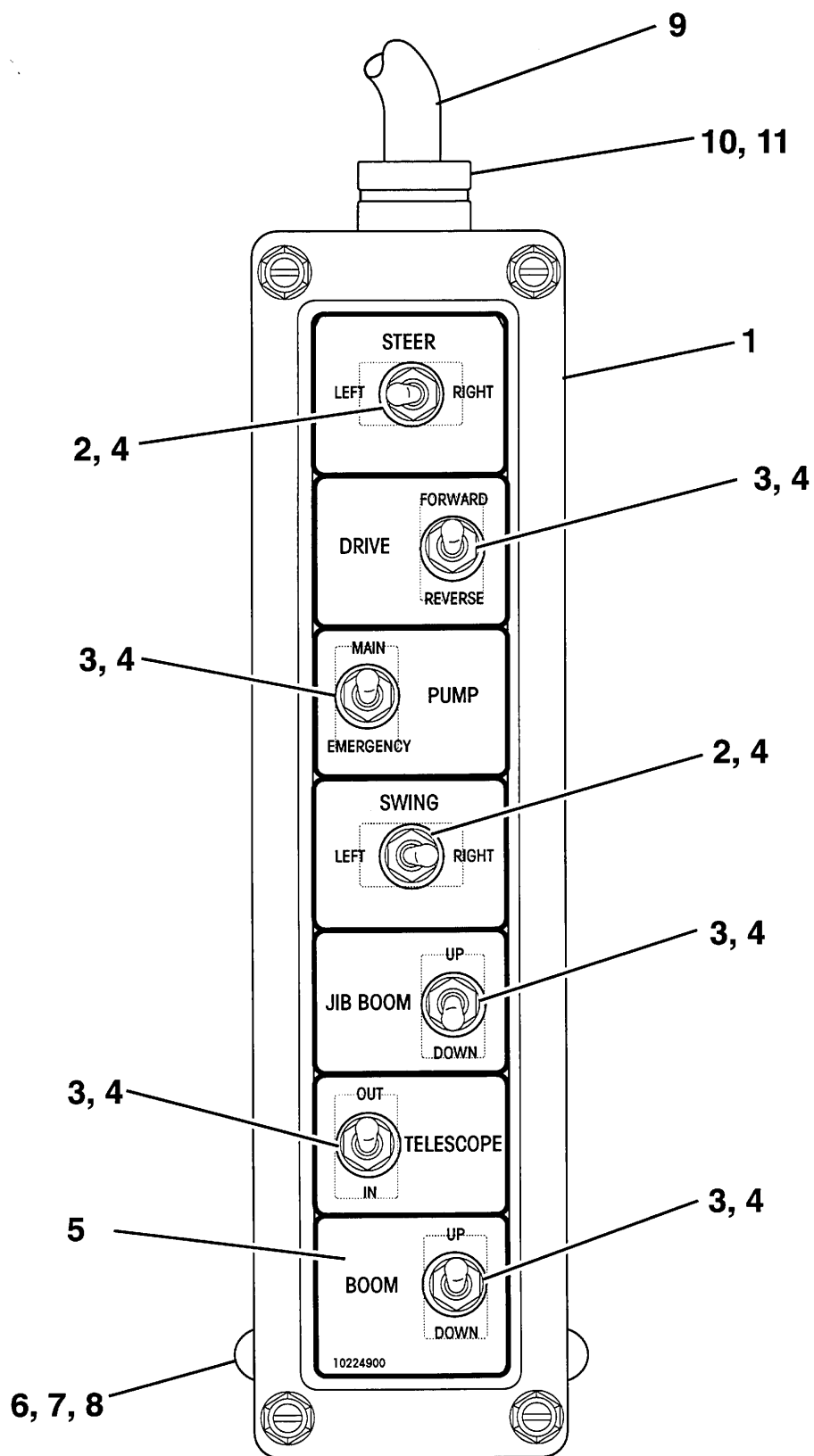
C06.201

**SIMON AERIALS INC.**

NEW 24 MAY, 1994

PART NO.

3537540



ART # C06.20101E

TITLE

PENDANT ASSEMBLY, REMOTE CONTROL

**SIMON AERIALS INC.**

NEW 24 MAY, 1994

PART  
NO.

3537540

PLATE  
NO.

C06.201



## PARTS LIST

[illegible]

|       |                                             |
|-------|---------------------------------------------|
| TITLE | PLATFORM CONTROL BOX, RP 120 (PLATE 1 OF 4) |
|-------|---------------------------------------------|

|              |         |                    |                   |             |
|--------------|---------|--------------------|-------------------|-------------|
| PLATE<br>NO. | C08.202 | SIMON AERIALS INC. | NEW 21 JUN., 1994 | PART<br>NO. |
|--------------|---------|--------------------|-------------------|-------------|

|             |  |
|-------------|--|
| PART<br>NO. |  |
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## PARTS LIST

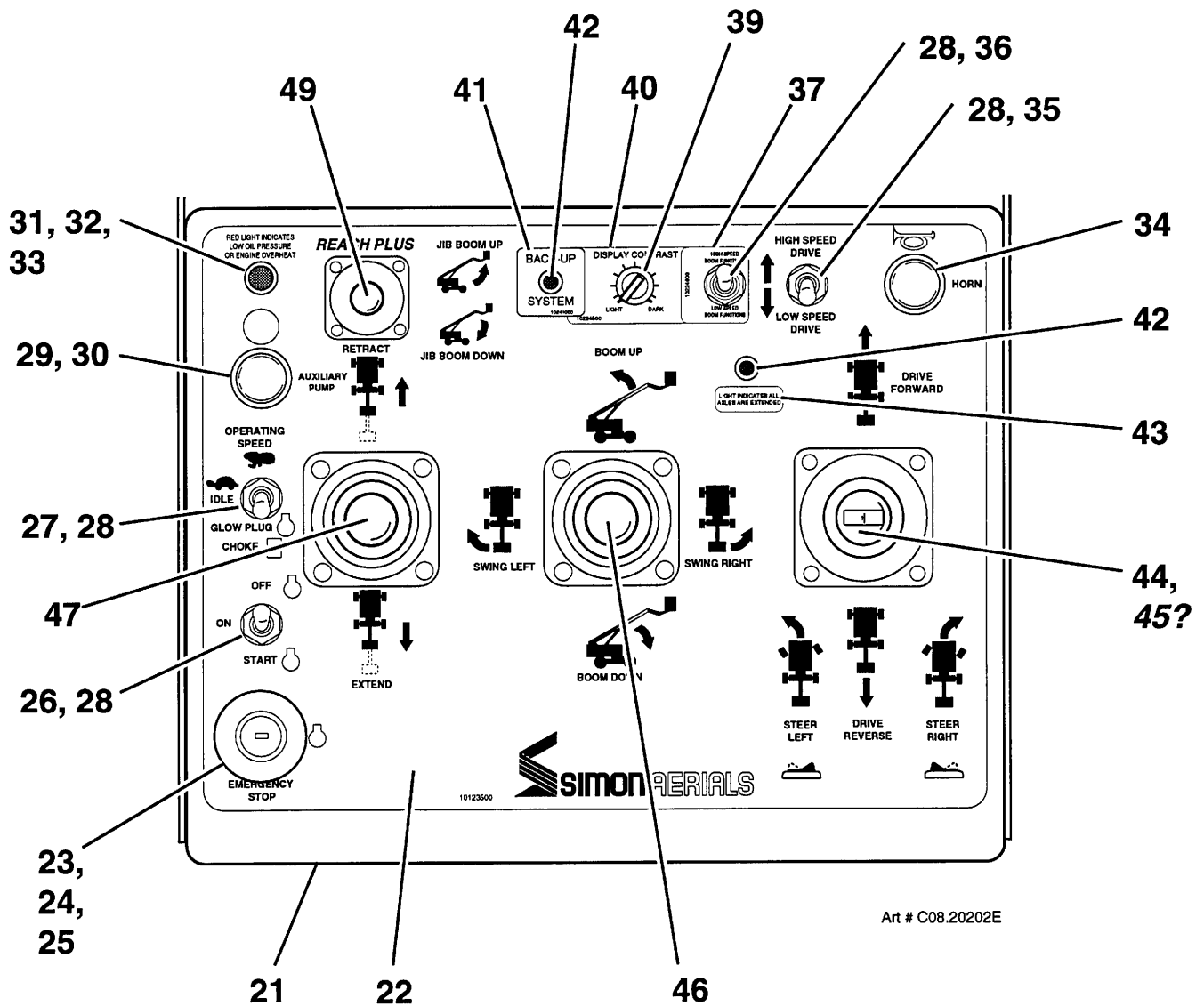
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                             | QTY. |
|------|-----------|-------------|---------------------------------------------------------------------------------------------------------|------|
| 20   | 3538320   |             | CONSOLE ASSEMBLY, PLATFORM CONTROL                                                                      | 1    |
| 21   | 2328430   |             | BOX, PLATFORM CONTROL                                                                                   | 1    |
| 22   | 10-169100 |             | PLACARD, PLATFORM CONTROL                                                                               | 1    |
| 23   |           |             | SWITCH, PUSH BUTTON (Emergency stop)                                                                    | 1    |
|      | 03-409800 |             | red "twist to release" style                                                                            |      |
|      | 03-702000 |             | red "pull to release" style                                                                             |      |
| 24   | 03-454900 |             | BASE, CONTACT BLOCK                                                                                     | 1    |
| 25   | 03-437300 |             | BLOCK, CONTACT (Normally closed)                                                                        | 2    |
| 26   | 03-032600 |             | SWITCH, TOGGLE (Engine start) (3 position, 2 maint. and 1 momentary contact, double pole, double throw) | 1    |
| 27   | 03-032600 |             | SWITCH, TOGGLE (Engine speed) (3 position, 2 maint. and 1 momentary contact, double pole, double throw) | 1    |
| 28   | 03-497900 |             | SEAL, PANEL                                                                                             | 4    |
| 29   | 03-020300 |             | SWITCH, PUSH BUTTON (Emergency pump)                                                                    | 1    |
| 30   | 03-020302 |             | BUTTON, SWITCH (Red)                                                                                    | 1    |
| 31   | 03-481200 |             | DIODE, BLINKING (Red) (Engine warning indicator lamp)                                                   | 1    |
| 32   | 03-481300 |             | HOLDER, DIODE                                                                                           | 1    |
| 33   | 03-481100 |             | RESISTOR (470 Ohm)                                                                                      | 1    |
| 34   | 03-020300 |             | SWITCH, PUSH BUTTON (Horn)                                                                              | 1    |
| 35   | 03-020400 |             | SWITCH, TOGGLE (Drive speed)<br>(2 position, maintained contact, single pole, single throw)             | 1    |
| 36   | 03-020400 |             | SWITCH, TOGGLE (boom speed selector)<br>(2 position, maintained contact, single pole, single throw)     | 1    |
| 37   | 10-224600 |             | DECAL, BOOM FUNCTION SPEED CONTROL                                                                      | 1    |
| 38   | 03-703000 |             | POTENTIOMETER (10 K Ohm)                                                                                | 1    |
| 39   | 10-084000 |             | KNOB, POTENTIOMETER (Display screen contrast)                                                           | 1    |
| 40   | 10-224500 |             | DECAL, "DISPLAY CONTRAST; LIGHT/ DARK"                                                                  | 1    |
| 41   | 10-241000 |             | DECAL, "BACKUP SYSTEM"                                                                                  | 1    |
| 42   | 03-707900 |             | DIODE, LIGHT-EMITTING (L.E.D.) (Green, 12 Volt)                                                         | 2    |
| 43   | 10-224601 |             | DECAL, "LIGHT . . . AXLES ARE EXTENDED"                                                                 | 1    |
| 44   | 03-491200 | E01.08      | CONTROLLER, SINGLE AXIS (with rocker) (Drive/ Steer)<br>(Identified on nameplate as "MJ 4121-1043")     | 1    |
| 45   | 03-493600 |             | CARD, SWITCH (with mounting hardware)                                                                   | 1    |
| 46   | 03-491100 | E01.10      | CONTROLLER, DUAL AXIS (Boom angle/ swing)<br>(Identified on nameplate as "MJ 5122-1020")                | 1    |
| 47   | 03-491000 | E01.09      | CONTROLLER, SINGLE AXIS (Boom extend/ retract)<br>(Identified on nameplate as "MJ 4121-1020")           | 1    |
| 48   | 03-499500 |             | COVER KIT, CONTROLLER<br>(includes one underside boot and clamp)                                        | 3    |
| 49   | 03-704700 | E01.15      | "MINI" CONTROLLER, SINGLE AXIS (Jib boom angle)                                                         | 1    |

TITLE PLATFORM CONTROL BOX, RP 120 (PLATE 2 OF 4)

PLATE NO. C08.202 **SIMON AERIALS INC.**

NEW 21 JUN., 1994

PART NO.



Art # C08.20202E

TITLE

PLATFORM CONTROL BOX, RP 120 (PLATE 2 OF 4)

SIMON AERIALS INC.

NEW 21 JUN., 1994

PART  
NO.

PLATE  
NO. C08.202

## PARTS LIST

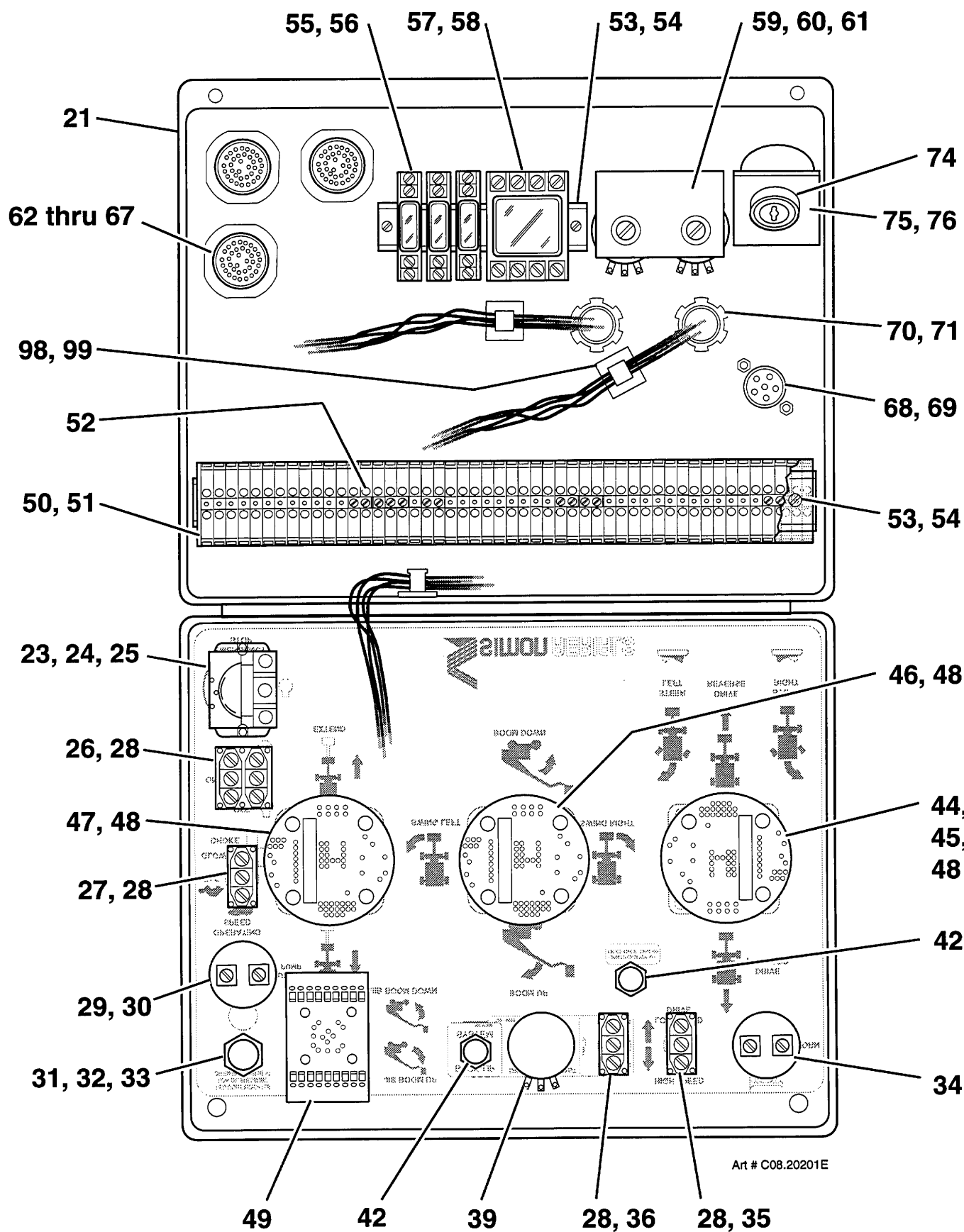
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                            | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------------------------------------|------|
| 20   |           |             | BOX ASSEMBLY, PLATFORM CONTROL (continued)                                                                             |      |
| 50   | 03-066200 |             | BLOCK, TERMINAL (25 Amp, for #12 Gauge wire)                                                                           | 50   |
| 51   | 03-066100 |             | PLATE, TERMINAL BLOCK END                                                                                              | 1    |
| 52   | 03-066300 |             | BAR, JUMPER (2 pole) (Double line jumper)                                                                              | A.R. |
|      | 03-067500 |             | BAR, JUMPER (3 pole) (Triple line jumper)                                                                              | A.R. |
|      | 03-707200 |             | BAR, JUMPER (4 pole) (Quad line jumper)                                                                                | A.R. |
| 53   | 03-051700 |             | RAIL, TERMINAL [1 M (39.37") long section]<br>(must be cut to fit)                                                     | A.R. |
| 54   | 07-011800 |             | SCREW, SHEET METAL PAN HEAD (#6 x 3/4")                                                                                | 4    |
| 55   | 03-051600 |             | SOCKET, RELAY (Single pole, snap mount)                                                                                | 3    |
| 56   | 03-051500 |             | RELAY, PLUG IN (12 Volt DC, single pole)                                                                               | 3    |
| 57   | 03-037500 |             | SOCKET, RELAY (Double pole, snap mount)                                                                                | 1    |
| 58   | 03-050100 |             | RELAY, PLUG IN (12 Volt DC, double pole)                                                                               | 1    |
| 59   | 03-027231 |             | POTENTIOMETER (10 K Ohm)                                                                                               | 2    |
| 60   | 03-044900 |             | LOCK, SHAFT                                                                                                            | 2    |
| 61   | 2323870   |             | BRACKET, POTENTIOMETER MOUNTING                                                                                        | 1    |
| 62   | 03-450100 |             | RECEPTACLE, ELECTRICAL (23 conductor)                                                                                  | 3    |
| 63   | 03-450200 |             | NUT, PANEL                                                                                                             | 3    |
| 64   | 03-450300 |             | WASHER, LOCK                                                                                                           | 3    |
| 65   | 03-450400 |             | PLUG, ELECTRICAL (23 conductor)                                                                                        | 3    |
| 66   | 03-450900 |             | CONTACT, PIN                                                                                                           | 69   |
| 67   | 03-451000 |             | CONTACT, SOCKET                                                                                                        | 69   |
| 68   | 03-708000 |             | RECEPTACLE, ELECTRICAL (Bulkhead, 6 conductor)                                                                         | 1    |
| 69   | 03-708100 |             | PLUG, ELECTRICAL (6 conductor)                                                                                         | 1    |
| 70   | 03-063200 |             | GRIP, CORD (3/4", with .69" to .75" seal)                                                                              | 2    |
| 71   | 03-055600 |             | NUT, CONDUIT (3/4")                                                                                                    | 2    |
| 72   | 03-020400 |             | SWITCH, TOGGLE (for optional lights) (not shown)                                                                       |      |
|      |           |             | (2 position, maintained contact, single pole, single throw)                                                            | 1    |
| 73   | 10-021100 |             | DECAL, "LIGHTS, ON/ OFF" (not shown)                                                                                   | 1    |
|      |           |             | The following items will be found inside, but <b>ARE NOT</b><br>included as part of the platform control box assembly: |      |
| 74   | 03-468900 |             | SWITCH, KEY OPERATED (3 position, maintained contact)<br>(includes two keys)                                           | 1    |
| 75   | 2332230   |             | BRACKET, KEY SWITCH MOUNTING                                                                                           | 1    |
| 76   |           |             | SCREW, BRACKET MOUNTING                                                                                                | 1    |

TITLE PLATFORM CONTROL BOX, RP 120 (PLATE 3 OF 4)

PLATE NO. C08.202 **SIMON AERIALS INC.**

NEW 21 JUN., 1994

PART NO.



TITLE

PLATFORM CONTROL BOX, RP 120 (PLATE 3 OF 4)

**SIMON AERIALS INC.**

NEW 21 JUN., 1994

PART  
NO.

PLATE  
NO. C08.202



[illegible]

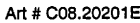


PLATE NO. C08.202

## PARTS LIST

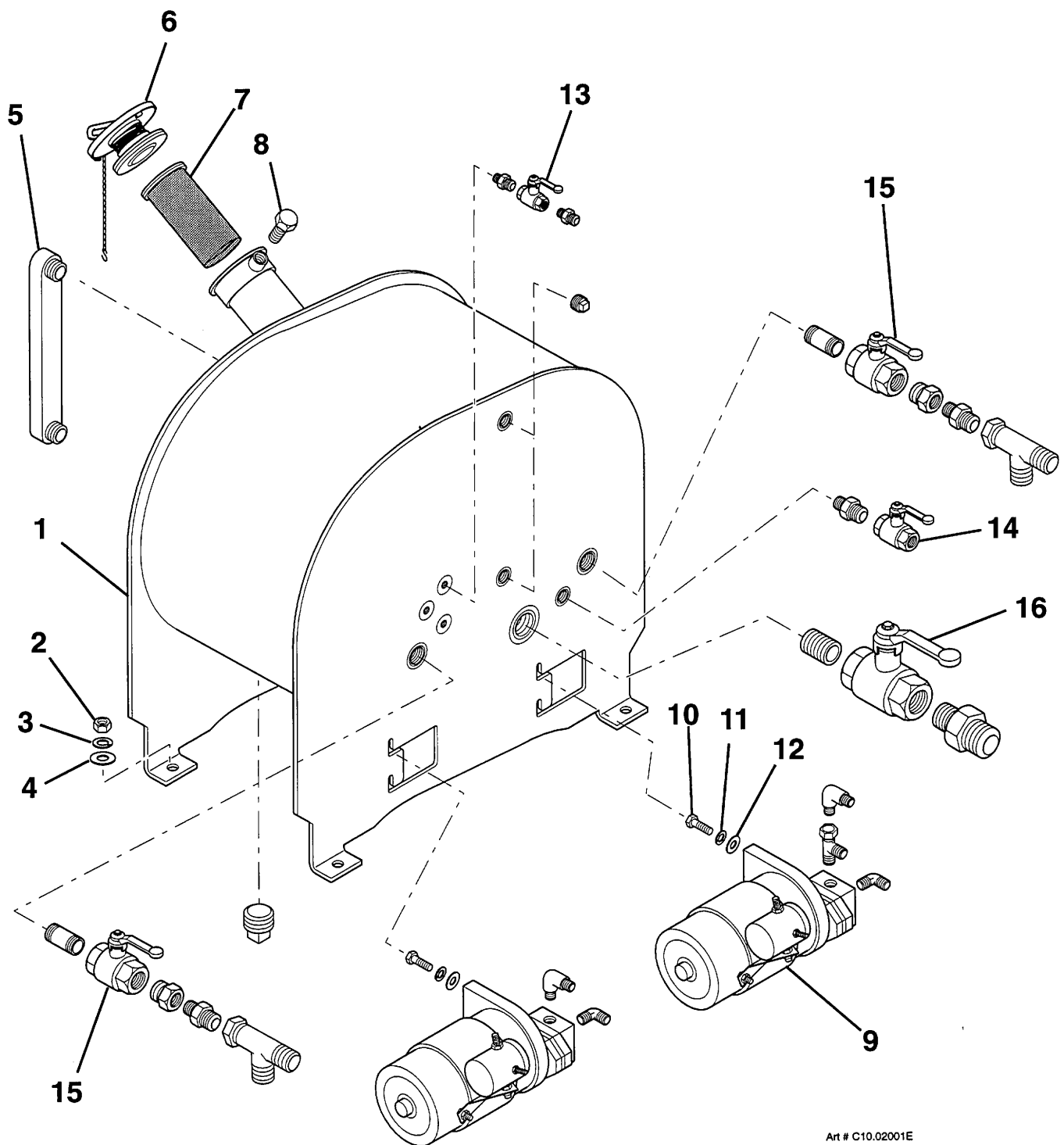
| ITEM                                                        | PART NO   | SEE SECTION | DESCRIPTION                                                                    | QTY. |
|-------------------------------------------------------------|-----------|-------------|--------------------------------------------------------------------------------|------|
| 1                                                           | 2074845   |             | TANK WELDMENT, HYDRAULIC<br>[Capacity 55 gallons (208 liters)]                 | 1    |
| 2                                                           | 07-040018 |             | NUT, HEX (1/2"-13, Grade 5)                                                    | 4    |
| 3                                                           | 07-065018 |             | WASHER, HELICAL LOCK (1/2")                                                    | 4    |
| 4                                                           | 07-062018 |             | WASHER, FLAT (1/2")                                                            | 4    |
| 5                                                           | 10-033800 | D12.05      | GAUGE, SIGHT [14" (35.56 cm) long]                                             | 1    |
| 6                                                           | 10-002100 |             | CAP, HYDRAULIC TANK FILLER                                                     | 1    |
| 7                                                           | 10-001000 |             | STRAINER ASSEMBLY                                                              | 1    |
| 8                                                           | 01-008200 |             | PLUG, VENT (with 40 micron filter)                                             | 1    |
| 9                                                           | 01-027200 | D07.04      | PUMP, EMERGENCY HYDRAULIC                                                      | 2    |
| 10                                                          | 07-003045 |             | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                    | 4    |
| 11                                                          | 07-065016 |             | WASHER, HELICAL LOCK (3/8")                                                    | 4    |
| 12                                                          | 07-062016 |             | WASHER, FLAT (3/8")                                                            | 4    |
| 13                                                          |           |             | VALVE, BALL (Shutoff valve) (1/4" NPT)                                         | A.R. |
| 14                                                          | 01-002800 |             | VALVE, BALL (Shutoff valve) (1/2" NPT)                                         | A.R. |
| 15                                                          | 01-020600 |             | VALVE, BALL (Shutoff valve) (3/4" NPT)                                         | A.R. |
| 16                                                          | 01-068500 |             | VALVE, BALL (Shutoff valve) (1" NPT)                                           | A.R. |
| 17                                                          | 01-063000 |             | VALVE, BALL (Shutoff valve) (1-1/2" NPT)                                       | A.R. |
| 18                                                          | 01-018400 |             | VALVE, BALL (Shutoff valve) (2" NPT)                                           | A.R. |
| The following items may be found on a typical installation: |           |             |                                                                                |      |
| 19                                                          | 01-226000 |             | FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)                                | 2    |
| 20                                                          | 3517060   |             | HOSE ASSEMBLY                                                                  | 2    |
| 21                                                          | 11-075800 |             | NIPPLE, PIPE (1-1/2" NPT, 3" long)                                             | 1    |
| 22                                                          |           |             | NIPPLE, PIPE (1-1/2" NPT, close)                                               | 1    |
| 23                                                          | 11-020014 |             | NIPPLE, PIPE (1" NPT, close)                                                   | 1    |
| 24                                                          | 11-020017 |             | NIPPLE, PIPE (2" NPT, close)                                                   | 1    |
| 25                                                          | 11-203200 |             | NIPPLE, PIPE (1/2" x 1-1/8")                                                   | 1    |
| 26                                                          | 11-071500 |             | NIPPLE, PIPE (1-1/2" x 1-3/4", close)                                          | 1    |
| 27                                                          | 06-039800 |             | ADAPTER, "O"-RING TO 37° (6 F50X-S)                                            | 1    |
| 28                                                          | 06-001700 |             | CONNECTOR, MALE (12-8 FTX-S)                                                   | 1    |
| 29                                                          | 06-002000 |             | CONNECTOR, MALE (12-16 FTX-S)                                                  | 1    |
| 30                                                          | 06-002200 |             | CONNECTOR, MALE (16 FTX-S)                                                     | 1    |
| 31                                                          | 06-079000 |             | CONNECTOR, SWIVEL NUT (16 F65X-S)                                              | 1    |
| 32                                                          | 06-191500 |             | CONNECTOR, HOSE (Beaded insert)<br>(1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long) | 1    |
| 33                                                          | 11-061400 |             | BUSHING, REDUCER (1-1/2" to 3/4" NPT)                                          | 1    |
| 34                                                          | 11-061500 |             | BUSHING, REDUCER (1-1/2" to 1" NPT)                                            | 1    |
| 35                                                          | 11-061800 |             | BUSHING, REDUCER (2" to 1-1/2" NPT)                                            | 1    |
| 36                                                          | 11-061900 |             | REDUCER, BELL (2" to 1/2" NPT)                                                 | 1    |

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

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

REV. 20 JUN., 1994

**PART NO.**



Art # C10.02001E

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

**SIMON AERIALS INC.**

REV. 20 JUN., 1994

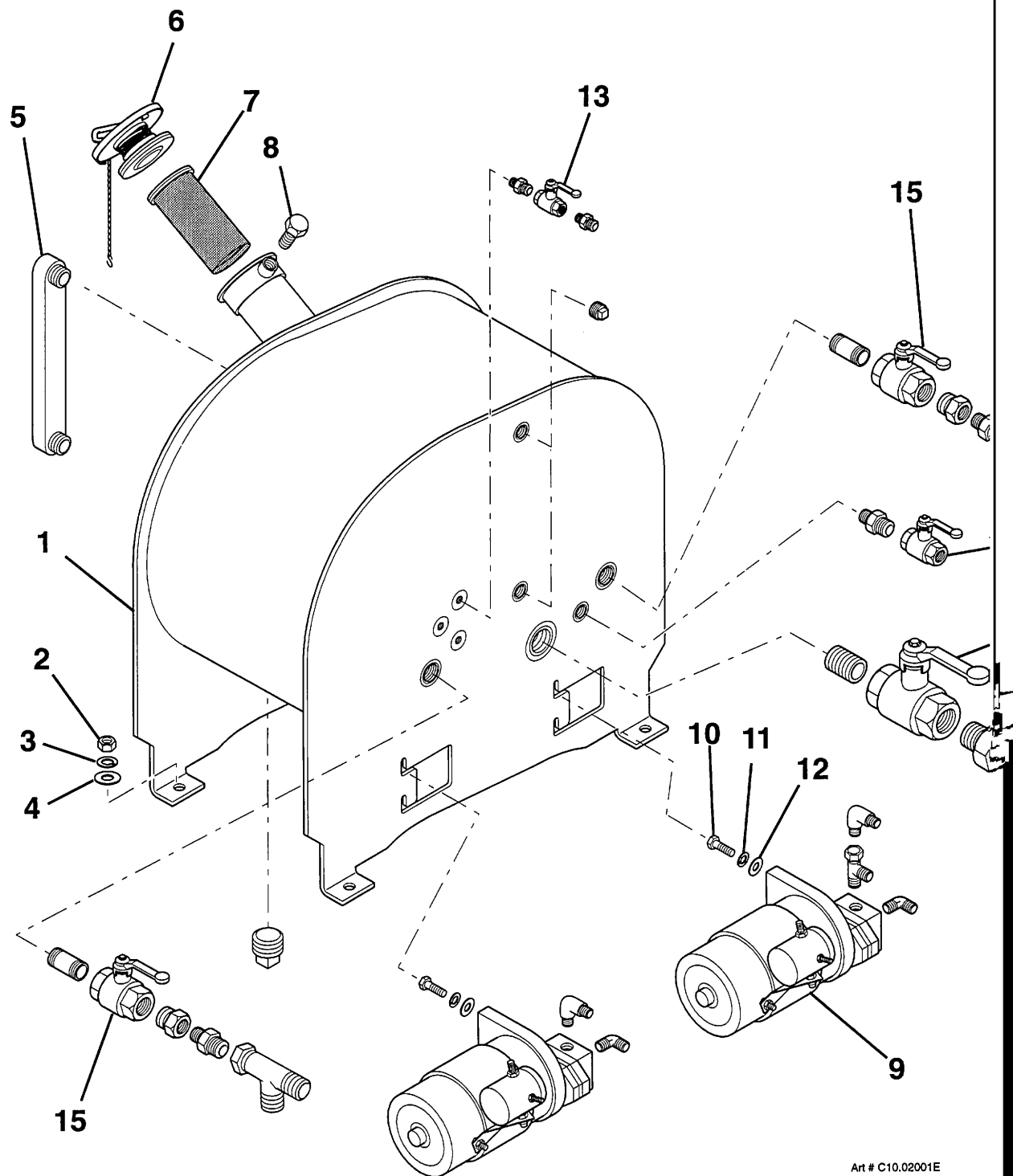
**PART  
NO.**

**PLATE  
NO.** C10.02



| PARTS LIST                                                    |           |                    |                                                                                |          |
|---------------------------------------------------------------|-----------|--------------------|--------------------------------------------------------------------------------|----------|
| ITEM                                                          | PART NO   | SEE SECTION        | DESCRIPTION                                                                    | QTY.     |
| 1                                                             | 207 4845  |                    | TANK WELDMENT, HYDRAULIC<br>[Capacity 55 gallons (208 liters)]                 | 1        |
| 2                                                             | 07-040018 |                    | NUT, HEX (1/2"-13, Grade 5)                                                    | 4        |
| 3                                                             | 07-065018 |                    | WASHER, HELICAL LOCK (1/2")                                                    | 4        |
| 4                                                             | 07-062018 |                    | WASHER, FLAT (1/2")                                                            | 4        |
| 5                                                             | 10-033800 | D12.05             | GAUGE, SIGHT [14" (35.56 cm) long]                                             | 1        |
| 6                                                             | 10-002100 |                    | CAP, HYDRAULIC TANK FILLER                                                     | 1        |
| 7                                                             | 10-001000 |                    | STRAINER ASSEMBLY                                                              | 1        |
| 8                                                             | 01-008200 |                    | PLUG, VENT (with 40 micron filter)                                             | 1        |
| 9                                                             | See Index | D07. - -           | PUMP, EMERGENCY HYDRAULIC                                                      | A.R.     |
| 10                                                            | 07-003045 |                    | CAP SCREW, HEX HEAD (3/8"-16 x 1", Grade 5)                                    | 4        |
| 11                                                            | 07-065016 |                    | WASHER, HELICAL LOCK (3/8")                                                    | 4        |
| 12                                                            | 07-062016 |                    | WASHER, FLAT (3/8")                                                            | 4        |
| 13                                                            |           |                    | VALVE, BALL (Shutoff valve) (1/4" NPT)                                         | A.R.     |
| 14                                                            | 01-002800 |                    | VALVE, BALL (Shutoff valve) (1/2" NPT)                                         | A.R.     |
| 15                                                            | 01-020600 |                    | VALVE, BALL (Shutoff valve) (3/4" NPT)                                         | A.R.     |
| 16                                                            | 01-068500 |                    | VALVE, BALL (Shutoff valve) (1" NPT)                                           | A.R.     |
| 17                                                            | 01-063000 |                    | VALVE, BALL (Shutoff valve) (1-1/2" NPT)                                       | A.R.     |
| 18                                                            | 01-018400 |                    | VALVE, BALL (Shutoff valve) (2" NPT)                                           | A.R.     |
|                                                               |           |                    | The following items may be found on a typical installation:                    |          |
| 19                                                            | 01-226000 |                    | FILTER, HIGH PRESSURE (10 micron, #6 SAE ports)                                | 2        |
| 20                                                            | 351 7060  |                    | HOSE ASSEMBLY                                                                  | 2        |
| 20a                                                           | 03-466900 |                    | HEATER, TANK (120 Volt AC) (option, not shown)                                 | 1        |
| 21                                                            | 11-075800 |                    | NIPPLE, PIPE (1-1/2" NPT, 3" long)                                             | 1        |
| 22                                                            |           |                    | NIPPLE, PIPE (1-1/2" NPT, close)                                               | 1        |
| 23                                                            | 11-020014 |                    | NIPPLE, PIPE (1" NPT, close)                                                   | 1        |
| 24                                                            | 11-020017 |                    | NIPPLE, PIPE (2" NPT, close)                                                   | 1        |
| 25                                                            | 11-203200 |                    | NIPPLE, PIPE (1/2" x 1-1/8")                                                   | 1        |
| 26                                                            | 11-071500 |                    | NIPPLE, PIPE (1-1/2" x 1-3/4", close)                                          | 1        |
| 27                                                            | 06-039800 |                    | ADAPTER, "O"-RING TO 37° (6 F50X-S)                                            | 1        |
| 28                                                            | 06-001700 |                    | CONNECTOR, MALE (12-8 FTX-S)                                                   | 1        |
| 29                                                            | 06-002000 |                    | CONNECTOR, MALE (12-16 FTX-S)                                                  | 1        |
| 30                                                            | 06-002200 |                    | CONNECTOR, MALE (16 FTX-S)                                                     | 1        |
| 31                                                            | 06-079000 |                    | CONNECTOR, SWIVEL NUT (16 F65X-S)                                              | 1        |
| 32                                                            | 06-191500 |                    | CONNECTOR, HOSE (Beaded insert)<br>(1-1/2" NPT, 1-1/2" I.D. hose, 1-1/2" long) | 1        |
| 33                                                            | 11-061400 |                    | BUSHING, REDUCER (1-1/2" to 3/4" NPT)                                          | 1        |
| 34                                                            | 11-061500 |                    | BUSHING, REDUCER (1-1/2" to 1" NPT)                                            | 1        |
| 35                                                            | 11-061800 |                    | BUSHING, REDUCER (2" to 1-1/2" NPT)                                            | 1        |
| 36                                                            | 11-061900 |                    | REDUCER, BELL (2" to 1/2" NPT)                                                 | 1        |
| TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AXLES) |           |                    |                                                                                |          |
| PLATE NO.                                                     | C10.02    | SIMON AERIALS INC. |                                                                                | PART NO. |
|                                                               |           |                    | REV. 07 APR., 1995<br>(THIS SHEET ONLY)                                        |          |





Art # C10.02001E

TITLE HYDRAULIC TANK ASSEMBLY, MP/ RP (WITH EXTENDABLE AX

**SIMON AERIALS INC.**

REV. 20 JUN., 1994

PART  
NO.

PLATE  
NO.

## PARTS LIST

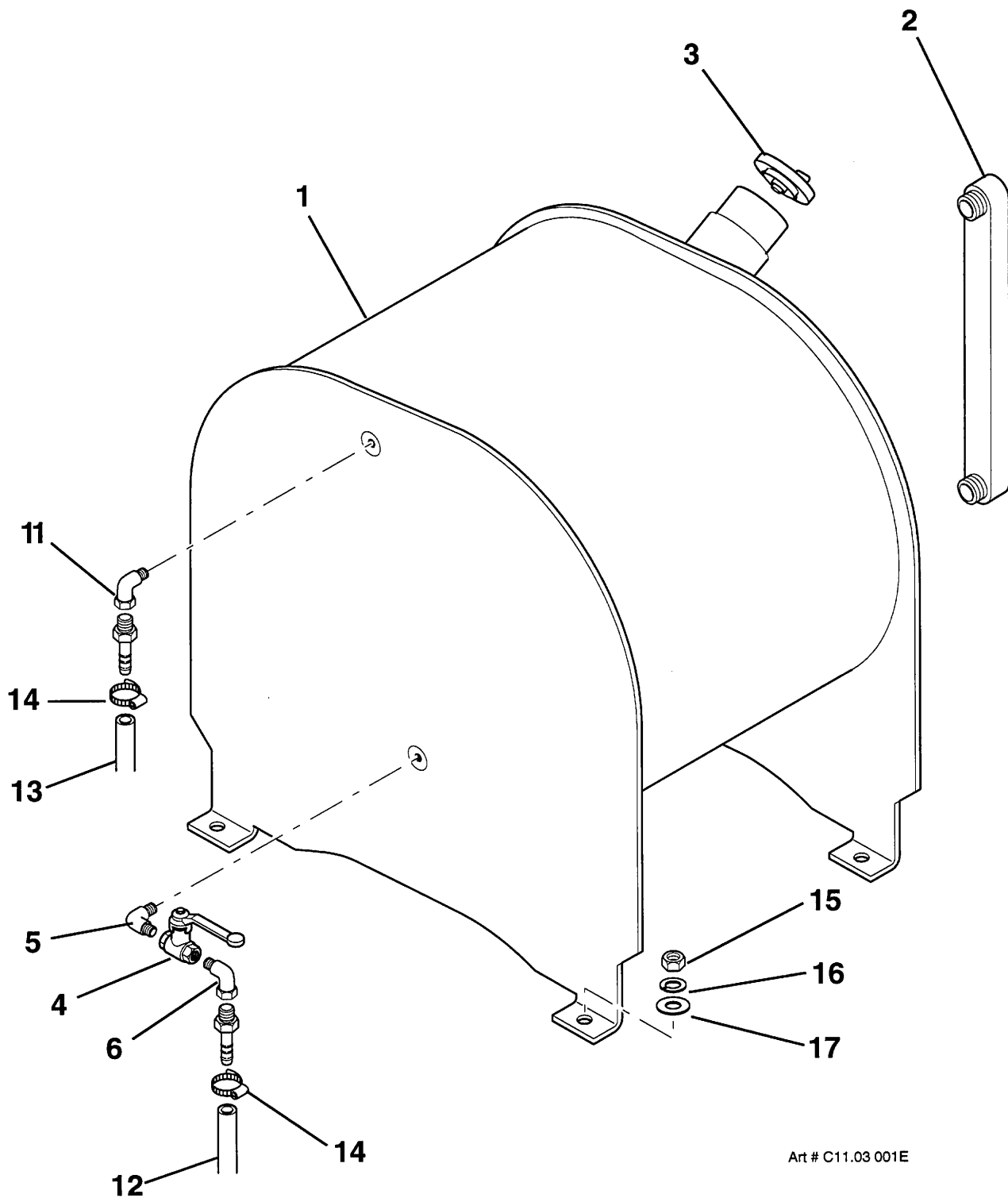
| ITEM | PART NO                | SEE SECTION | DESCRIPTION                                                                                                                                            | QTY. |
|------|------------------------|-------------|-------------------------------------------------------------------------------------------------------------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

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

PLATE NO. C11.03 **SIMON AERIALS INC.**

REV. 20 JUN., 1994

PART NO.



Art # C11.03 001E

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

**SIMON AERIALS INC.**

REV. 20 JUN., 1994

PART  
NO.

PLATE  
NO. C11.03

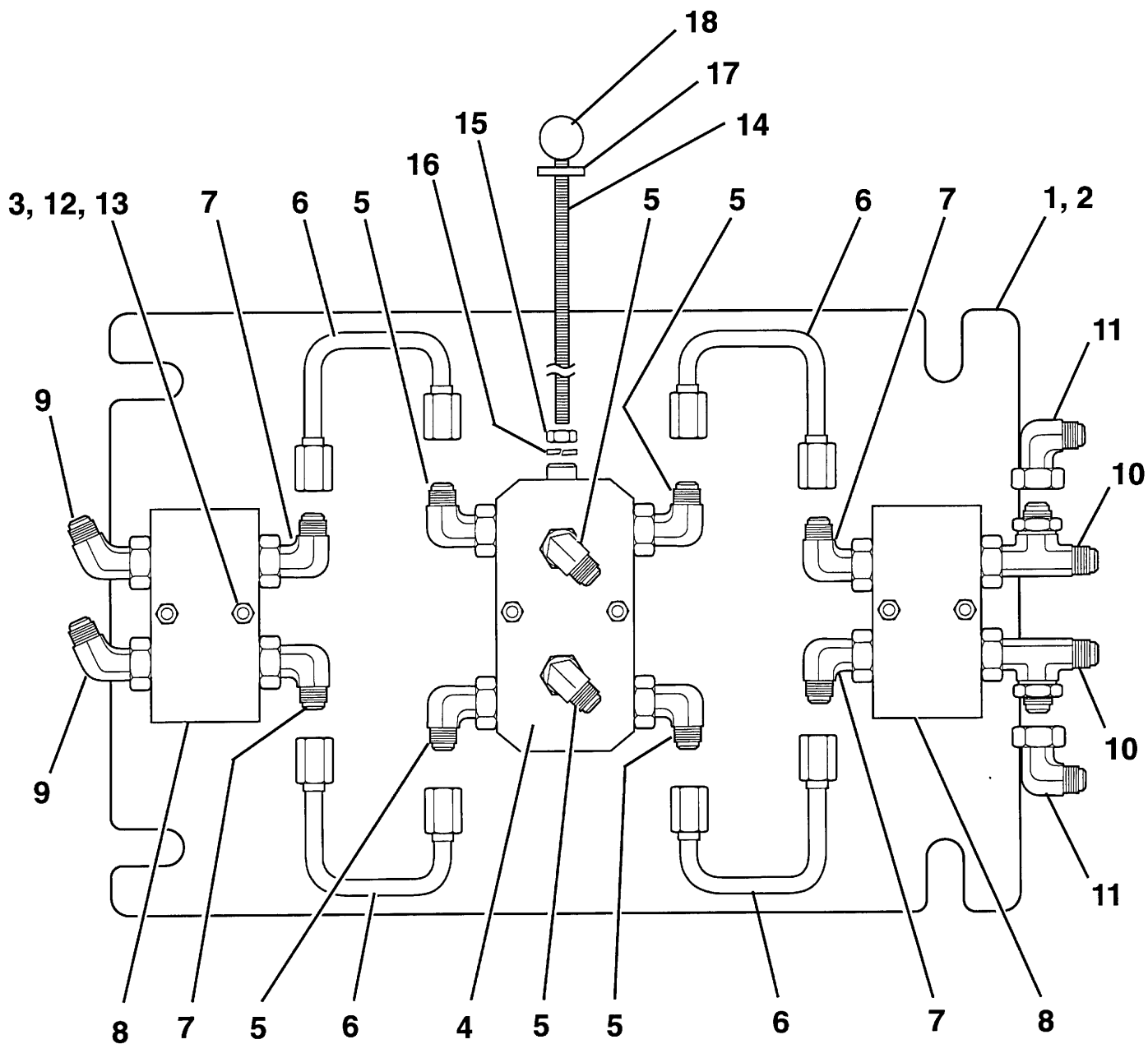
## PARTS LIST

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**TITLE** STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP (EXTENDABLE AXLE)

|           |        |                    |                    |          |         |
|-----------|--------|--------------------|--------------------|----------|---------|
| PLATE NO. | C12.01 | SIMON AERIALS INC. | REV. 16 JUN., 1994 | PART NO. | 3516830 |
|-----------|--------|--------------------|--------------------|----------|---------|

|          |         |
|----------|---------|
| PART NO. | 3516830 |
|----------|---------|



Art # C12.01001E

TITLE STEER/ AXLE EXTEND VALVE ASSEMBLY, MP/ RP (EXTENDABLE AXLE)

**SIMON AERIALS INC.**

REV. 16 JUN., 1994

PART  
NO.

3516830

PLATE  
NO.

C12.01



## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                        | QTY. |
|------|-----------|-------------|--------------------------------------------------------------------------------------------------------------------|------|
| 1    | 3516820   |             | VALVE ASSEMBLY, DRIVE                                                                                              | 1    |
| 2    | 2027520   |             | PLATE, VALVE MOUNTING                                                                                              | 1    |
| 3    | 07-031018 |             | STUD, WELDING (Threaded, 3/8"-16 x 3")                                                                             | 3    |
| 4    | 07-031021 |             | STUD, WELDING (Threaded, 1/4"-20 x 2")                                                                             | 2    |
| 5    | 01-013100 |             | VALVE, MOTION CONTROL (10:1 pilot ratio)<br>"CBGHL <u>D</u> NYKM" [2,000 PSI (138 bar) (141 Kg/ cm <sup>2</sup> )] | 1    |
|      | 01-225900 |             | "CBGHL <u>C</u> NYKM" [3,000 PSI (207 bar) (211 Kg/ cm <sup>2</sup> )]                                             | 1    |
| 6    | 06-045600 |             | 90° ELBOW, STRAIGHT THREAD (12-16 C50X-S)                                                                          | 3    |
| 7    | 06-041100 |             | ADAPTER, "O"-RING TO 37° (12-16 F50X-S)                                                                            | 1    |
| 8    | 06-054800 |             | RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)                                                                          | 1    |
| 9    | 06-051800 |             | 90° ELBOW, SWIVEL NUT (12 C6X-S)                                                                                   | 1    |
| 10   | 06-090200 |             | REDUCER/ EXPANDER (4-6 F50 G5-S)                                                                                   | 1    |
| 11   | 06-096100 |             | UNION (6 F50 F50-S)                                                                                                | 1    |
| 12   | 01-018900 |             | VALVE, FLOW CONTROL (Needle valve) (#6 SAE Ports)                                                                  | 1    |
| 13   | 06-050000 |             | BRANCH TEE, MALE "O"-RING (6 S50X-S)                                                                               | 1    |
| 14   | 06-054500 |             | RUN TEE, 37° FEMALE SWIVEL NUT (6 R6X-S)                                                                           | 1    |
| 15   | 01-062000 |             | VALVE, SELECTOR (pilot operated, #12 Ports)                                                                        | 1    |
| 16   | 06-045400 |             | 90° ELBOW, STRAIGHT THREAD (12 C50X-S)                                                                             | 3    |
| 17   | 06-040800 |             | ADAPTER, "O"-RING TO 37° (12 F50X-S)                                                                               | 3    |
| 18   | 06-056300 |             | BRANCH TEE, 37° SWIVEL NUT (12 S6X-S)                                                                              | 1    |
| 19   | 06-057800 |             | NUT, TUBE (12 BTX-S)                                                                                               | 1    |
| 20   | 06-060800 |             | REDUCER, TUBE END (12-6 TRTX-S)                                                                                    | 1    |
| 21   | 06-044500 |             | 90° ELBOW, STRAIGHT THREAD (6-4 C50X-S)                                                                            | 1    |
| 22   | 01-037100 |             | VALVE, SOLENOID (Three way) (2 speed valve)                                                                        | 1    |
| 23   | 01-037198 |             | COIL, SOLENOID (12 Volt DC)                                                                                        | 1    |
| 24   | 06-003800 |             | 90° ELBOW, MALE 37° TO NPT(6 CTX-S)                                                                                | 2    |
| 25   | 06-000700 |             | CONNECTOR, MALE (6 FTX-S)                                                                                          | 1    |
| 26   | 01-018300 |             | VALVE, FLOW DIVIDER                                                                                                | 1    |
| 27   | 06-002000 |             | CONNECTOR, MALE (12-16 FTX-S)                                                                                      | 1    |
| 28   | 06-004900 |             | 90° ELBOW, MALE 37° TO NPT (12 CTX-S)                                                                              | 2    |
| 29   | 06-054800 |             | RUN TEE, 37° FEMALE SWIVEL NUT (12 R6X-S)                                                                          | 2    |
| 30   | 06-056300 |             | BRANCH TEE, 37° SWIVEL NUT (12 S6X-S)                                                                              | 2    |
| 31   | 06-057800 |             | NUT, TUBE (12 BTX-S)                                                                                               | 2    |
| 32   | 06-060800 |             | REDUCER, TUBE END (12-6 TRTX-S)                                                                                    | 2    |
| 33   | 3508835   |             | TUBE ASSEMBLY                                                                                                      | 2    |
| 34   | 06-003800 |             | 90° ELBOW, MALE 37° TO NPT (6 CTX-S)                                                                               | 2    |
| 35   | 01-034800 |             | VALVE, GLOBE (1/4" NPT Female thread, both ends)                                                                   | 1    |
| 36   | 07-050014 |             | NUT, LOCK (1/4"-20, Grade 5)                                                                                       | 2    |
| 37   | 07-062015 |             | WASHER, FLAT (5/16")                                                                                               | 2    |
| 38   | 07-050016 |             | NUT, LOCK (3/8"-16, Grade 5)                                                                                       | 3    |
| 39   | 07-062016 |             | WASHER, FLAT (3/8")                                                                                                | 3    |
| 40   | 3507665   |             | TUBE ASSEMBLY                                                                                                      | 2    |
| 41   | 3508206   |             | TUBE ASSEMBLY                                                                                                      | 1    |

**TITLE** DRIVE VALVE ASSEMBLY, MP/ RP E (2 WHEEL DRIVE, 2 SPEED)

**PLATE NO.** C12.03 **SIMON AERIALS INC.**

REV. 17 JUN., 1994

**PART NO.**



# PARTS LIST

| ITEM | PART NO              | SEE SECTION | DESCRIPTION                                                                                                                                                                              | QTY.   |
|------|----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1    |                      |             | STEER CYLINDER ASSEMBLY<br>[7-1/2" (190 mm) stroke, 3-1/2" (89 mm) bore,<br>1-1/4" (31.8 mm) rod, (2) 9/16"-18 UNF "O"-Ring ports].                                                      |        |
|      | 04-035300<br>2328190 |             | <b>Standard</b> cylinder, for all models except as listed below.<br><b>Modified</b> cylinder (drilled for "L" shaped keeper pins), for<br>models MPH 80, MP 95, MP 110 after Jan., 1994. | 1<br>1 |
|      | 2174010              |             | <b>Modified</b> cylinder (with spacers installed), for . . .<br>models MPH 60, MP 60Z, MP 70 or MP 80, and<br><b>all</b> models with <b>four wheel drive</b> .                           | 1      |
| 2    |                      |             | BODY, CYLINDER                                                                                                                                                                           | 1      |
| 3    | 04-035302            |             | ROD, CYLINDER                                                                                                                                                                            | 1      |
| 4    | 04-035303            |             | PISTON                                                                                                                                                                                   | 1      |
| 5    |                      |             | GUIDE, PISTON ROD                                                                                                                                                                        | 1      |
| 6    | 04-035304            |             | NUT, LOCK (7/8"-14) (replaced by item 18 some models)                                                                                                                                    | 1      |
| 7    | 04-035301            |             | SEAL KIT                                                                                                                                                                                 | 1      |
| 8    |                      |             | SEAL, "O"-RING [3/4" (19 mm) I.D.]                                                                                                                                                       | 1      |
| 9    |                      |             | SEAL, "DURA-PAK" [3-1/2" (89 mm) O.D.]                                                                                                                                                   | 1      |
| 10   |                      |             | SEAL, "U" CUP [1-1/4" (32 mm) I.D.]                                                                                                                                                      | 1      |
| 11   |                      |             | RING, WIPER [1-1/4" (32 mm) I.D.]                                                                                                                                                        | 1      |
| 12   |                      |             | SEAL, "O"-RING [3-1/2" (89 mm) O.D.]                                                                                                                                                     | 1      |
| 13   |                      |             | RING, BACKUP                                                                                                                                                                             | 1      |
| 14   |                      |             | RING, RETAINING (Round)                                                                                                                                                                  | 1      |
| 15   | 04-035305            |             | CLEVIS, ROD (without hole for keeper pin)<br>(replaced by item 20 some models)                                                                                                           | 1      |
| 16   | 07-003048            |             | CAP SCREW, HEX HEAD (3/8"-16 x 1-3/4", Grade 5)                                                                                                                                          | 1      |
| 17   | 07-040016            |             | NUT, HEX (3/8"-16, Grade 5)                                                                                                                                                              | 1      |
|      |                      |             | The following items are required on certain units (see above):                                                                                                                           |        |
| 18   | 2171710              |             | SPACER, BASE (replaces lock nut, item 6)<br>[1-3/16" (30 mm) long] for cylinder assembly 2174010                                                                                         | 1      |
| 19   | 2171730              |             | SPACER, ROD<br>[.19" (4.8 mm) thick] for cylinder assembly 2174010                                                                                                                       | 1      |
| 20   | No part #            |             | CLEVIS, ROD (04-035305 drilled for keeper pin, for cylinder<br>2328190. Please specify modified clevis required.)                                                                        | 1      |
|      |                      |             |                                                                                                                                                                                          |        |
|      |                      |             |                                                                                                                                                                                          |        |

TITLE STEER CYLINDER

PLATE NO.

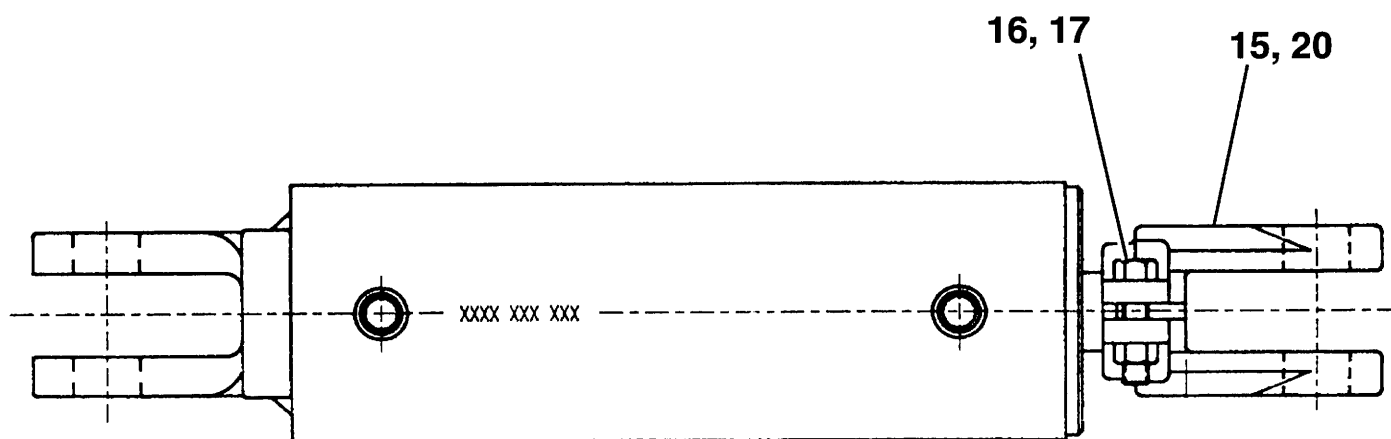
D01.11

**SIMON AERIALS INC.**

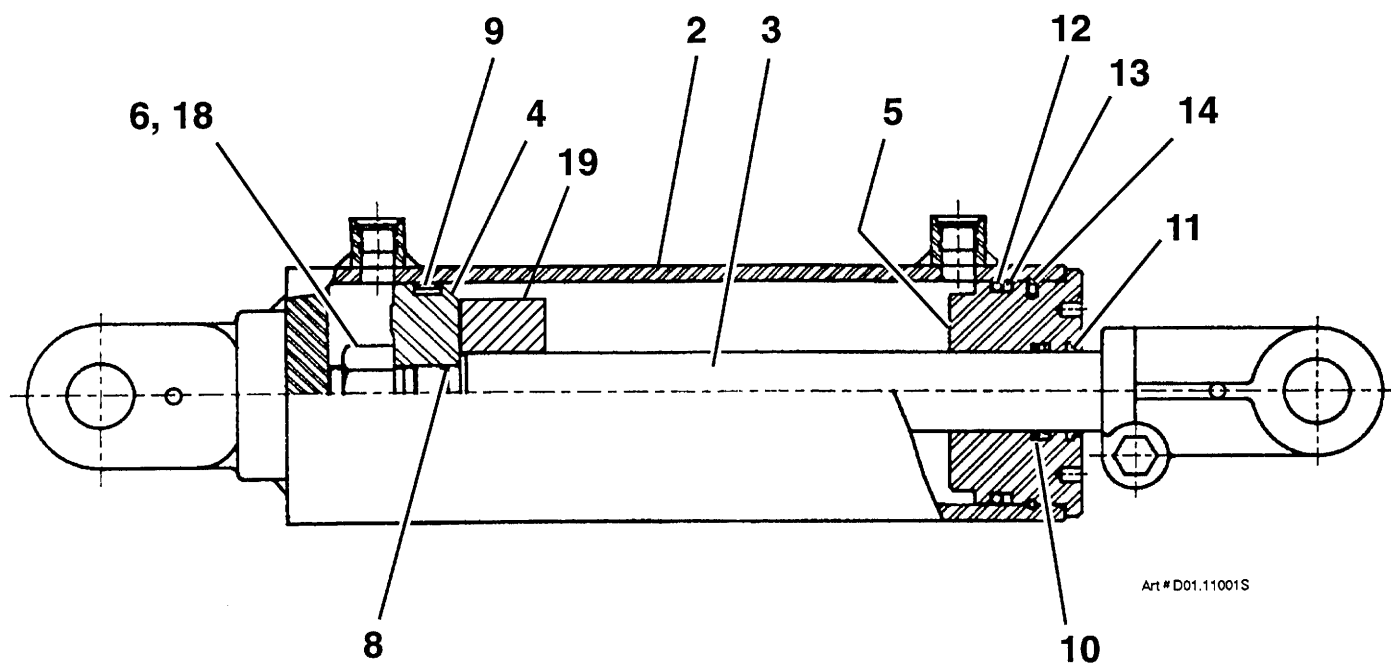
REV. 15 JUN., 1994

PART NO.

04-035300



Art # D01.11002S



Art # D01.11001S

TITLE

STEER CYLINDER

**SIMON AERIALS INC.**

REV. 15 JUN., 1994

PART NO. 04-035300

PLATE NO. D01.11

## PARTS LIST

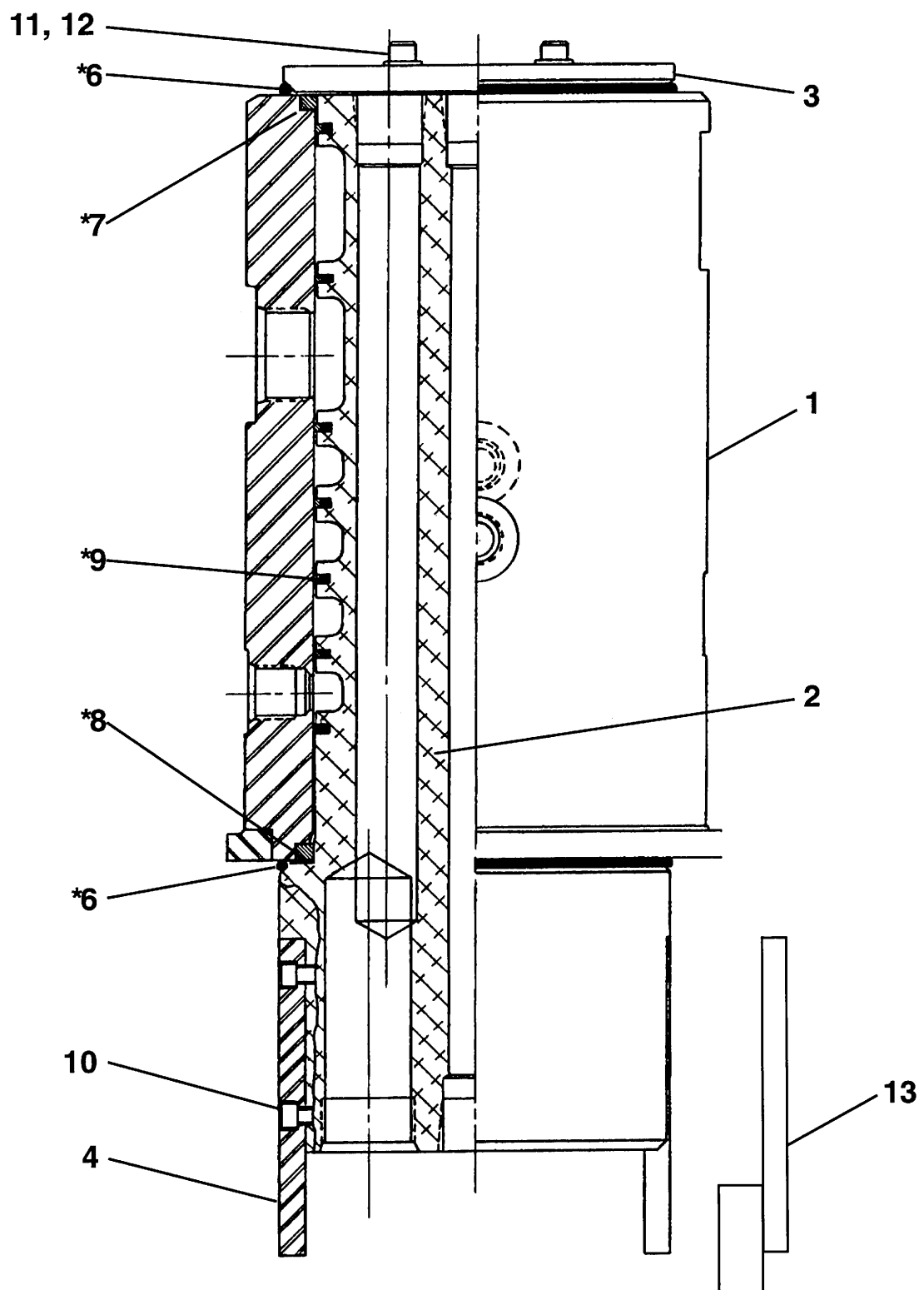
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|       |                  |
|-------|------------------|
| TITLE | HYDRAULIC SWIVEL |
|-------|------------------|

|           |        |                           |                    |
|-----------|--------|---------------------------|--------------------|
| PLATE NO. | D02.01 | <b>SIMON AERIALS INC.</b> | REV. 17 JUN., 1994 |
|-----------|--------|---------------------------|--------------------|

**PART NO.** 04-008700





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

TITLE

HYDRAULIC SWIVEL

**SIMON AERIALS INC.**

REV. 17 JUN., 1994

PART  
NO.

04-008700

PLATE  
NO.

D02.01

# PARTS LIST

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

TITLE

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

PLATE NO.

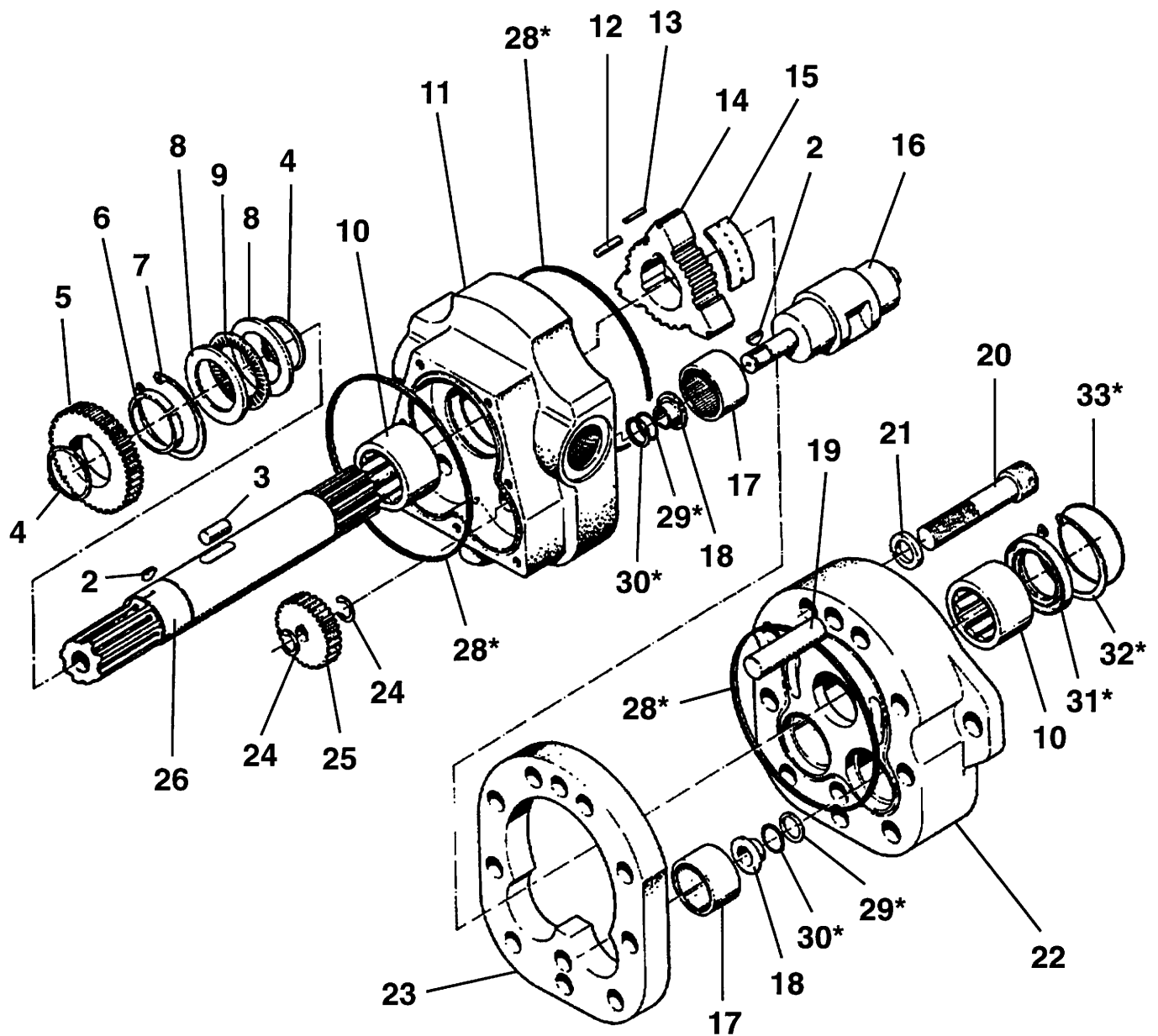
D03.09

**SIMON AERIALS INC.**

REV. 14 JUN., 1994

PART NO.

01-064200



TITLE

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

**SIMON AERIALS INC.**

REV. 14 JUN., 1994

PART  
NO.

01-064200

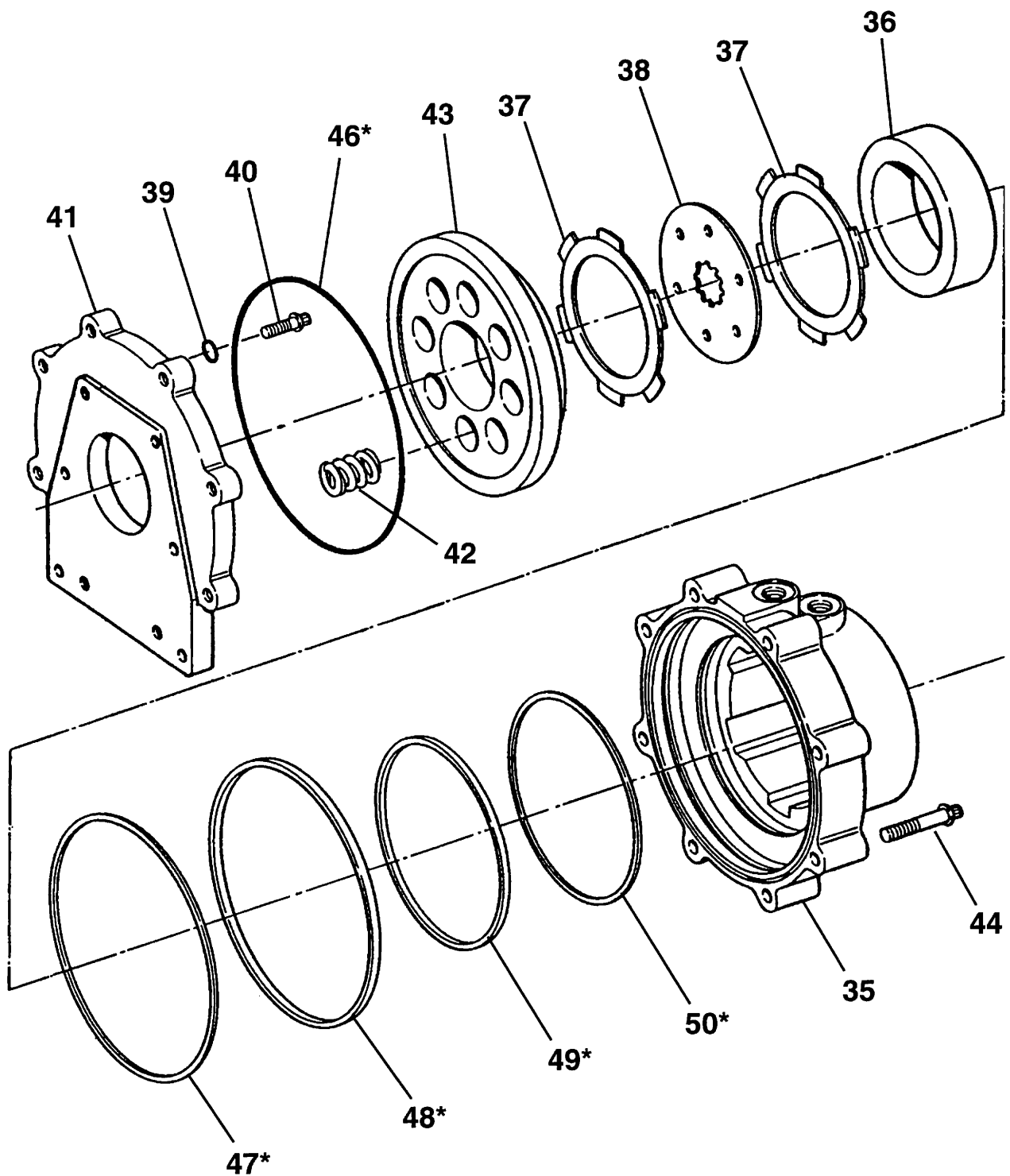
PLATE  
NO.

D03.09

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

**PART NO.** 01-064200



TITLE

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

**SIMON AERIALS INC.**

REV. 14 JUN., 1994

PART  
NO.

01-064200

PLATE  
NO.

D03.09



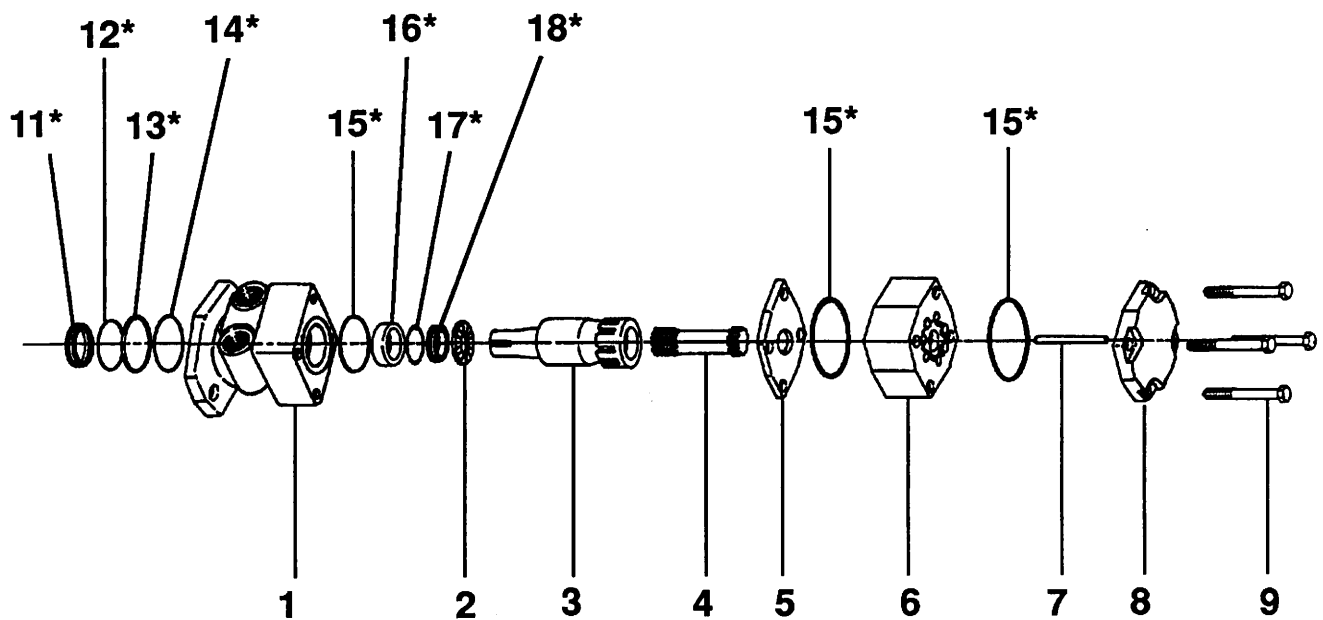
| PARTS LIST               |           |                           |                      |                           |      |
|--------------------------|-----------|---------------------------|----------------------|---------------------------|------|
| ITEM                     | PART NO   | SEE SECTION               | DESCRIPTION          |                           | QTY. |
| 1                        |           |                           | HOUSING, SWING MOTOR |                           | 1    |
| 2                        |           |                           | BEARING, THRUST      |                           | 1    |
| 3                        |           |                           | SHAFT, SWING MOTOR   |                           | 1    |
| 4                        |           |                           | LINK, DRIVE          |                           | 1    |
| 5                        |           |                           | PLATE, WEAR          |                           | 1    |
| 6                        |           |                           | STATOR, ROLLER       |                           | 1    |
| 7                        |           |                           | PIN                  |                           | 1    |
| 8                        |           |                           | COVER, END           |                           | 1    |
| 9                        |           |                           | SCREW                |                           | 4    |
| 10                       | 01-011701 |                           | SEAL KIT             |                           | 1    |
| 11                       |           |                           | SEAL, DUST           |                           | 1    |
| 12                       |           |                           | RING, WIRE           |                           | 1    |
| 13                       |           |                           | SHIM                 |                           | 1    |
| 14                       |           |                           | SEAL                 |                           | 1    |
| 15                       |           |                           | SEAL                 |                           | 3    |
| 16                       |           |                           | CARRIER, SEAL        |                           | 1    |
| 17                       |           |                           | SHIM                 |                           | 1    |
| 18                       |           |                           | SEAL, SHAFT          |                           | 1    |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
|                          |           |                           |                      |                           |      |
| <b>TITLE</b> SWING MOTOR |           |                           |                      |                           |      |
| <b>PLATE NO.</b> D06.09  |           | <b>SIMON AERIALS INC.</b> |                      | <b>PART NO.</b> 01-015600 |      |

## SWING MOTOR

|           |        |                    |                    |          |           |
|-----------|--------|--------------------|--------------------|----------|-----------|
| PLATE NO. | D06.09 | SIMON AERIALS INC. | REV. 25 JUN., 1992 | PART NO. | 01-015600 |
|-----------|--------|--------------------|--------------------|----------|-----------|

REV. 25 JUN., 1992

**PART NO.** 01-015600



**NOTE:** Items in seal kit #10 identified by an asterisk (\*).

**TITLE**

**SWING MOTOR**

**SIMON AERIALS INC.**

REV. 25 JUN., 1992

**PART  
NO.**

**01-015600**

**PLATE  
NO.**

**D06.09**

## PARTS LIST

| ITEM | PART NO   | SEE<br>SECTION | DESCRIPTION                                             | QTY. |
|------|-----------|----------------|---------------------------------------------------------|------|
| 1    | 01-027204 |                | MOTOR, ELECTRIC PUMP                                    | 1    |
| 2    | 01-027203 |                | RELAY, SOLENOID.                                        | 1    |
| 3    | 01-027205 |                | COUPLING, PUMP                                          | 1    |
| 4    | 01-027202 |                | GASKET, PUMP                                            | 1    |
| 5    |           |                | PLATE, DRIVE                                            | 1    |
| 6    |           |                | CASE                                                    | 1    |
| 7    |           |                | PLATE, END                                              | 1    |
| 8    |           |                | GEAR                                                    | 2    |
| 9    |           |                | SHAFT, DRIVE                                            | 1    |
| 10   |           |                | SHAFT, IDLER                                            | 1    |
| 11   |           |                | BEARING                                                 | 4    |
| 12   |           |                | KEY, DOWEL                                              | 1    |
| 13   |           |                | BALL                                                    | 1    |
| 14   |           |                | RING, RETAINING                                         | 4    |
| 15   |           |                | PIN, DOWEL                                              | 2    |
| 16   | 01-027201 |                | SEAL KIT                                                | 1    |
|      |           |                | Note: Items in seal kit are identified by asterisk (*). |      |
| 17   | *         |                | SEAL, SHAFT                                             | 1    |
| 18   | *         |                | O-RING                                                  | 2    |
| 19   | 01-027206 |                | RELIEF VALVE ASSEMBLY                                   | 1    |
| 20   |           |                | NUT, ACORN                                              | 1    |
| 21   |           |                | GASKET, METAL                                           | 1    |
| 22   |           |                | NUT, HEX JAM                                            | 1    |
| 23   |           |                | SCREW, ADJUSTING                                        | 1    |
| 24   |           |                | SPRING                                                  | 1    |
| 25   |           |                | GUIDE, SPRING                                           | 1    |
| 26   |           |                | BALL                                                    | 1    |
| 27   |           |                | CAP, VALVE                                              | 1    |
| 28   |           |                | WASHER, SEALING                                         | 1    |
| 29   |           |                | SPRING                                                  | 1    |
| 30   |           |                | BALL                                                    | 1    |
|      |           |                |                                                         |      |
|      |           |                |                                                         |      |
|      |           |                |                                                         |      |

TITLE EMERGENCY PUMP

|           |        |                    |                    |          |           |
|-----------|--------|--------------------|--------------------|----------|-----------|
| PLATE NO. | D07.04 | SIMON AERIALS INC. | REV. 08 OCT., 1993 | PART NO. | 01-027200 |
|-----------|--------|--------------------|--------------------|----------|-----------|

REV. 08 OCT., 1993



# PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                              | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------|------|
|      | 01-206900 |             | PUMP ASSEMBLY, HYDRAULIC (HPR 40)<br>Pump marked "**ROPV 312 XXXXXX*" and "24 71 R11531" | 1    |
|      | 01-019500 |             | PUMP ASSEMBLY, HYDRAULIC (HPR 50)<br>Pump marked "**ROPV 322 XXXXXX*" and "24 72 R11531" | 1    |
|      | 01-018700 |             | PUMP ASSEMBLY, HYDRAULIC (HPR 65)<br>Pump marked "**ROPV 332 XXXXXX*" and "24 73 R11531" | 1    |
|      |           |             | <b>Note:</b> Type 2 pumps, with unitized control valve design.                           |      |
| 1    |           |             | HOUSING ASSEMBLY, PUMP                                                                   | 1    |
| 2    |           |             | HOUSING, PUMP                                                                            | 1    |
| 3    | 01-019519 |             | VALVE, INLET                                                                             | 8    |
| 4    | 01-019518 |             | SEAT, DISCHARGE VALVE                                                                    | 8    |
| 5    | 01-018707 |             | SEAL KIT (components indicated by asterisks, page 1 and 2)                               | 1    |
| 6    | 01-002605 | *           | SEAL, OIL                                                                                | 1    |
| 7    |           | *           | SHIELD (plastic)                                                                         | 8    |
| 8    | 01-019512 | *           | "O"-RING                                                                                 | 8    |
| 9    | 01-018704 | *           | "O"-RING, CENTER HUB                                                                     | 1    |
| 10   | 01-018705 | *           | RING, SEALING                                                                            | 1    |
| 11   |           |             | VALVE, DISCHARGE                                                                         | 8    |
| 12   | 01-019517 |             | GUIDE, VALVE                                                                             | 1    |
| 13   | 01-018715 |             | DISC, DISCHARGE VALVE                                                                    | 1    |
| 14   | 01-019516 |             | SPRING                                                                                   | 1    |
| 15   | 01-019515 | *           | "O"-RING                                                                                 | 1    |
| 16   |           |             | PLUG, DISCHARGE VALVE                                                                    | 1    |
| 17   | 01-019503 |             | RING, SNAP                                                                               | 1    |
| 18   | 01-019514 |             | PISTON                                                                                   | 8    |
| 19   | 01-019513 |             | SPRING, PISTON                                                                           | 8    |
| 20   | 01-019520 |             | PIN, COOLING                                                                             | 8    |
| 21   |           |             | PLUG, PISTON                                                                             | 8    |
| 22   |           |             | SHAFT, PUMP (for HPR 40)                                                                 | 1    |
|      | 01-019506 |             | SHAFT, PUMP (for HPR 50)                                                                 | 1    |
|      | 01-018708 |             | SHAFT, PUMP (for HPR 65)                                                                 | 1    |
| 23   | 01-019504 |             | CUP, PUMP SHAFT BEARING                                                                  | 2    |
| 24   | 01-019505 |             | CONE AND ROLLER, PUMP SHAFT BEARING                                                      | 2    |
| 25   | 01-018710 |             | SPACER                                                                                   | 2    |
| 26   | 01-019510 |             | WASHER, THRUST                                                                           | 2    |
| 27   | 01-019508 |             | RACE, BEARING                                                                            | 1    |
| 28   | 01-019507 |             | ROLLER, NEEDLE                                                                           | 50   |
| 29   | 01-019521 |             | SPACER, NEEDLE ROLLER                                                                    | 3    |
| 30   | 01-019509 |             | SHIM (0.15 mm)                                                                           | A.R. |
|      |           |             | SHIM (0.25 mm)                                                                           | A.R. |

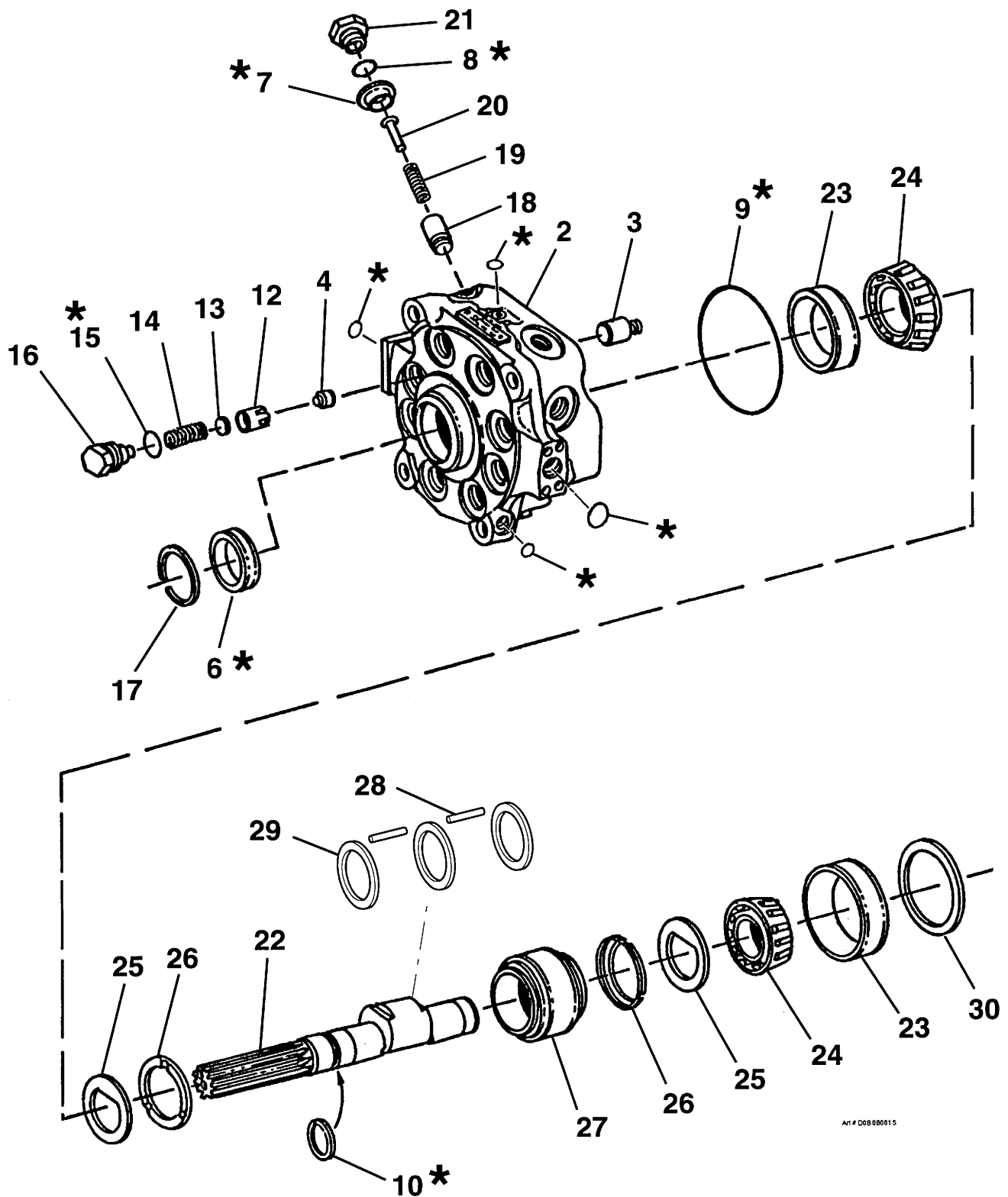
**TITLE** HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

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

REV. 17 MAR., 1995

**PART NO.**





Art # D0800015

TITLE

HYDRAULIC PUMP ASSEMBLY (PLATE 1 OF 2)

**SIMON AERIALS INC.**

REV. 17 MAR., 1995

PART  
NO.

PLATE  
NO.

**D08.13**

## PARTS LIST

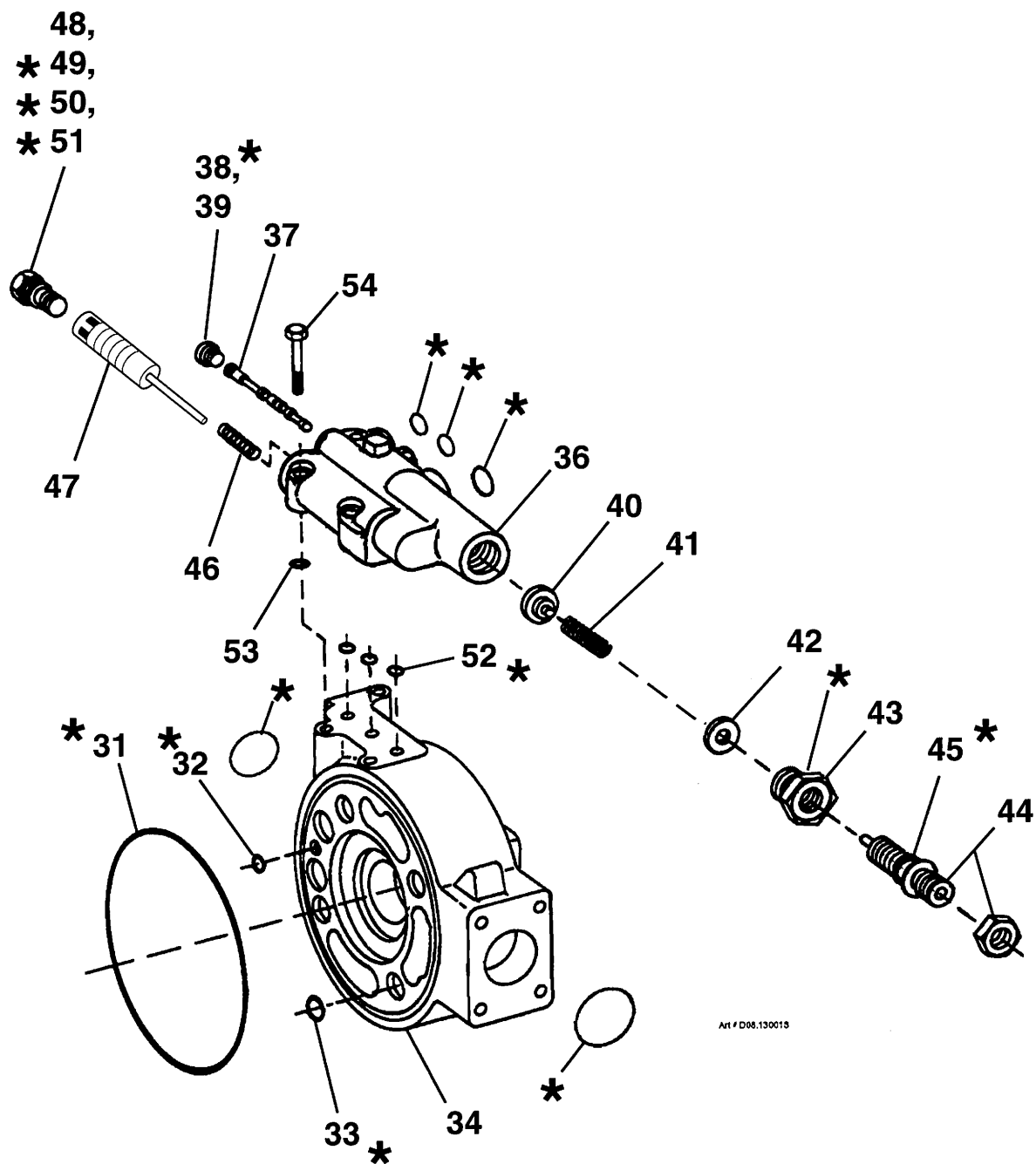
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                | QTY. |
|------|-----------|-------------|------------------------------------------------------------|------|
| 5    | 01-018707 |             | SEAL KIT (components indicated by asterisks, page 1 and 2) | 1    |
| 31   | 01-018711 | *           | PACKING, INLET HOUSING TO PUMP HOUSING                     | 1    |
| 32   |           | *           | PACKING, HIGH PRESSURE PASSAGE                             | 1    |
| 33   |           | *           | PACKING, BOLT PASSAGE                                      | 4    |
| 34   |           |             | HOUSING, PUMP INLET                                        | 1    |
| 35   | 01-019502 |             | VALVE ASSEMBLY, CONTROL                                    | 1    |
| 36   |           |             | HOUSING, PRESSURE COMPENSATOR                              | 1    |
| 37   |           |             | VALVE, PRESSURE COMPENSATOR CONTROL                        | 1    |
| 38   |           | *           | "O"-RING                                                   | 1    |
| 39   |           |             | PLUG, PRESSURE COMPENSATOR                                 | 1    |
| 40   |           |             | GUIDE, SPRING                                              | 1    |
| 41   |           |             | SPRING, PRESSURE COMPENSATOR                               | 1    |
| 42   |           | *           | WASHER                                                     | 1    |
| 43   |           |             | PLUG, ADJUSTING                                            | 1    |
| 44   |           |             | SCREW ASSEMBLY, PUMP PRESSURE ADJUSTING                    | 1    |
| 45   |           | *           | "O"-RING                                                   | 1    |
| 46   |           |             | SPRING, CRANKCASE RELIEF VALVE                             | 1    |
| 47   |           |             | VALVE, EXTERNAL CONTROL                                    | 1    |
| 48   |           |             | PLUG, DESTROKE                                             | 1    |
| 49   |           | *           | "O"-RING                                                   | 1    |
| 50   |           | *           | "O"-RING                                                   | 1    |
| 51   |           | *           | PLUG                                                       | 1    |
| 52   |           | *           | PACKING, PRESSURE                                          | 3    |
| 53   |           | *           | SHIM, PRESSURE COMPENSATOR HOUSING                         | A.R. |
| 54   |           |             | CAP SCREW, HEX HEAD                                        | 3    |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |
|      |           |             |                                                            |      |

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

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

REV. 17 MAR., 1995

**PART NO.**



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

**SIMON AERIALS INC.**

REV. 17 MAR., 1995

PART  
NO.

PLATE  
NO.

**D08.13**

## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                                                                                                                                        | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      | 04-035800 |             | CYLINDER ASSEMBLY, BOOM LIFT<br>For Models MPH 80, MP 95, RP120 "Reach Plus"<br>(without pads for boom angle sensors)                                                                                                              | 1    |
|      | 2144320   |             | For Model MP 110 (with pads for boom angle sensors)                                                                                                                                                                                | 1    |
| 1    |           |             | CASE, CYLINDER (when used on model MP 110, must be<br>modified by adding pads for boom angle sensors)                                                                                                                              | 1    |
| 2    |           |             | ROD, CYLINDER                                                                                                                                                                                                                      | 1    |
| 3    |           |             | PISTON                                                                                                                                                                                                                             | 1    |
| 4    |           |             | GLAND, HEAD                                                                                                                                                                                                                        | 1    |
| 5    |           |             | NUT, PISTON ROD                                                                                                                                                                                                                    | 1    |
| 6    | 04-035802 |             | BUSHING                                                                                                                                                                                                                            | 4    |
| 7    | 04-035801 |             | SEAL KIT (not for use with water-glycol hydraulic fluid)<br><b>Note:</b> Items in kit identified by asterisk (*).                                                                                                                  | 1    |
| 8    |           |             | WIPER, ROD                                                                                                                                                                                                                         | 1    |
| 9    |           |             | SEAL, ROD                                                                                                                                                                                                                          | 1    |
| 10   |           |             | RING, ROD WEAR                                                                                                                                                                                                                     | 4    |
| 11   |           |             | "O"-RING                                                                                                                                                                                                                           | 1    |
| 12   |           |             | RING, BACKUP                                                                                                                                                                                                                       | 1    |
| 13   |           |             | "O"-RING                                                                                                                                                                                                                           | 1    |
| 14   |           |             | RING, BACKUP                                                                                                                                                                                                                       | 1    |
| 15   |           |             | "O"-RING                                                                                                                                                                                                                           | 1    |
| 16   |           |             | SEAL, PISTON                                                                                                                                                                                                                       | 1    |
| 17   |           |             | RING, PISTON WEAR                                                                                                                                                                                                                  | 2    |
| 18   |           |             | VALVE BLOCK                                                                                                                                                                                                                        | 1    |
| 19   |           |             | "O"-RING                                                                                                                                                                                                                           | 2    |
| 20   |           |             | CAP SCREW, HEX HEAD (3/8"-16 x 3")                                                                                                                                                                                                 | 4    |
| 21   |           |             | WASHER, LOCK                                                                                                                                                                                                                       | 4    |
|      |           |             | The following item is <b>not</b> part of the cylinder assembly:                                                                                                                                                                    |      |
| 22   | 01-222000 |             | VALVE, COUNTERBALANCE (Holding valve)<br>10:1 (Factory set at 4900 PSI [338 Bar] [344.5 Kg/ cm <sup>2</sup> ])<br>(For units built after approximately 10 December 1992.<br>Supercedes 04-021402 as replacement on earlier units.) | 1    |
|      | 04-021402 |             | 25:1 Ratio (Originally supplied on units built through about<br>10 December 1992. Has been superceded by 01-222000.)                                                                                                               |      |

**TITLE** LIFT CYLINDER, 62.0" (1.58 M) STROKE

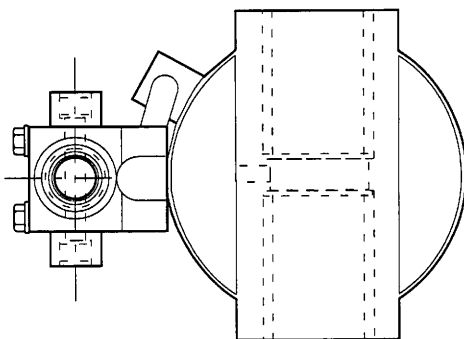
**PLATE NO.** D09.39 **SIMON AERIALS INC.**

REV. 15 FEB., 1995

**PART NO.** 04-035800

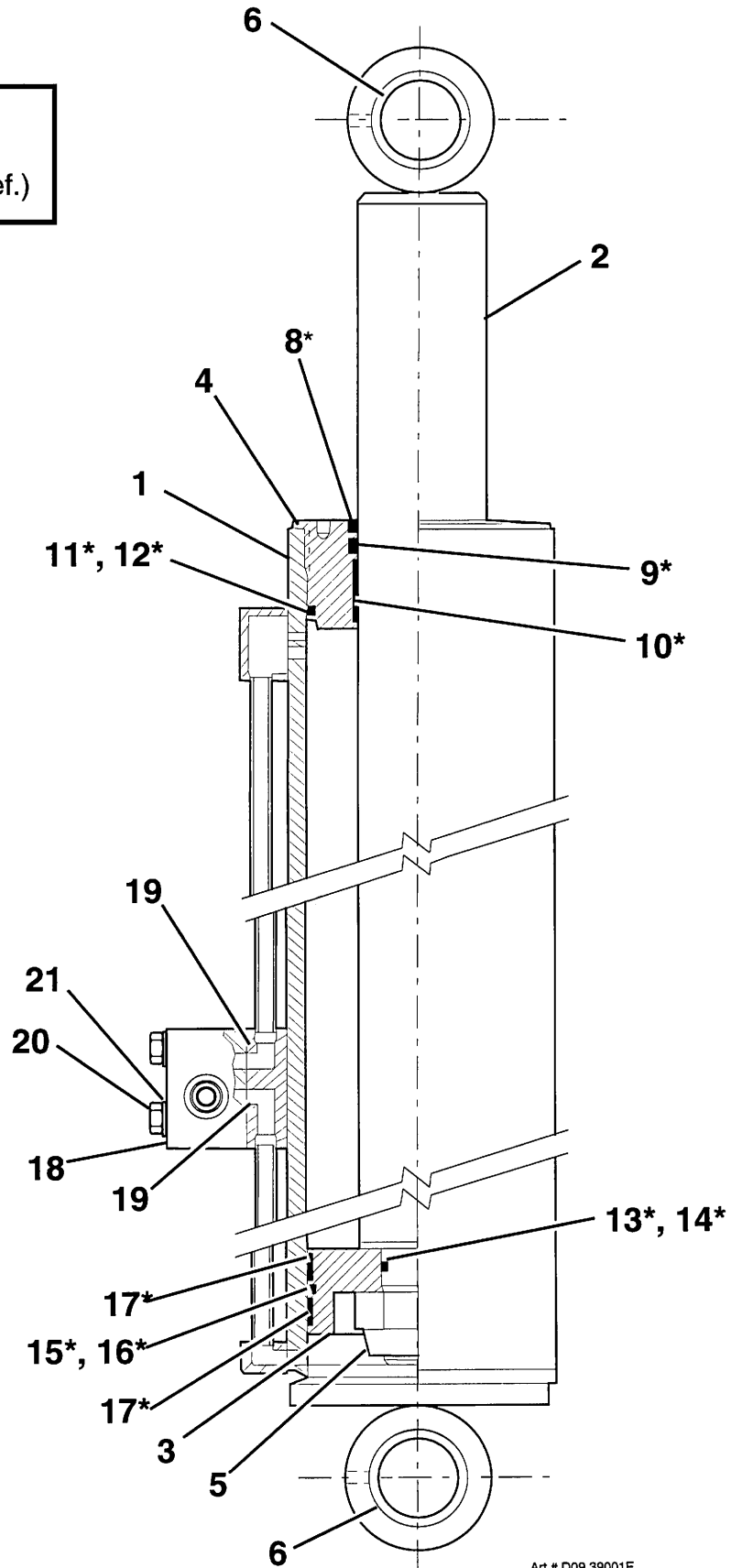
**Note:**

85" (2.16 M) fully retracted,  
147" (3.73 M) fully extended (ref.)



Art # D09.39002E

**View of Base End**



Art # D09.39001E

**TITLE**

**LIFT CYLINDER, 62.0" (1.58 M) STROKE**

**SIMON AERIALS INC.**

REV. 15 FEB., 1995

**PART  
NO.**

**04-035800**

**PLATE  
NO.**

**D09.39**



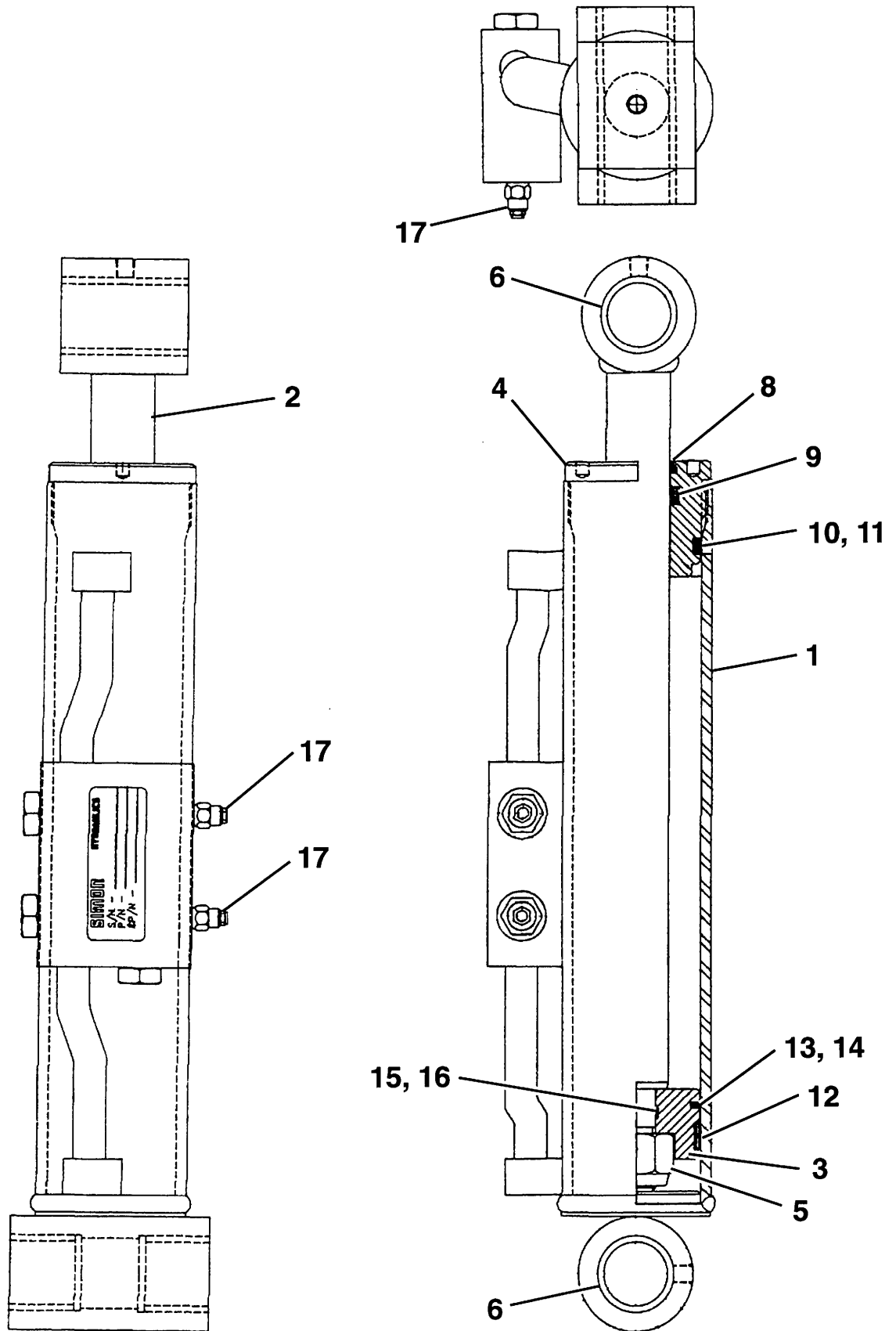
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|       |                                           |
|-------|-------------------------------------------|
| TITLE | MASTER LEVEL CYLINDER, 10" (.25 M) STROKE |
|-------|-------------------------------------------|

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

**PART NO.** 04-032600

**PART NO.** 04-032600



TITLE

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

**SIMON AERIALS INC.**

NEW 03 DEC., 1992

PART  
NO.

04-032600

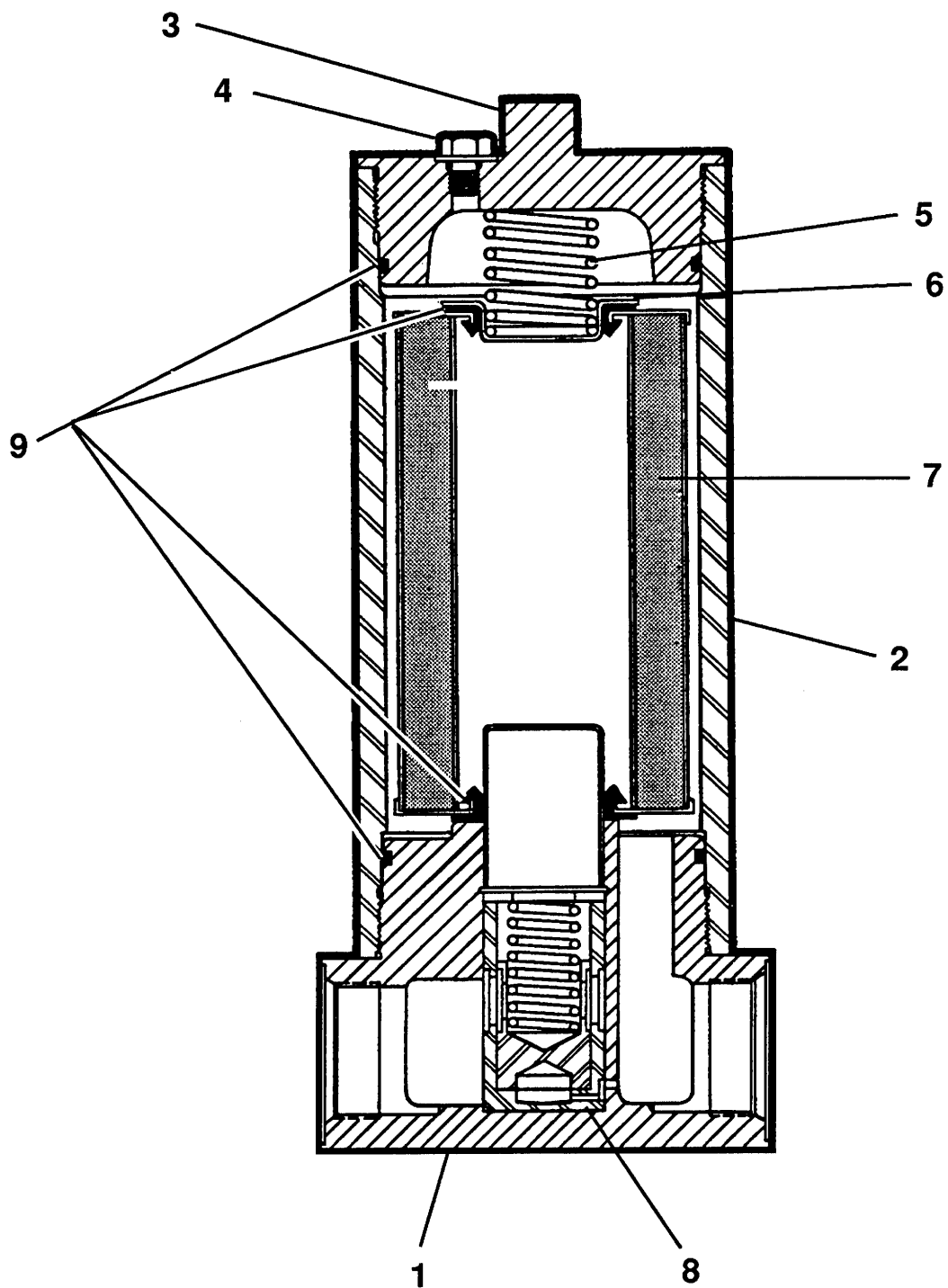
PLATE  
NO.

D10.101

[illegible]

## HIGH PRESSURE FILTER

|          |           |
|----------|-----------|
| PART NO. | 01-014000 |
|----------|-----------|



TITLE

HIGH PRESSURE FILTER

**SIMON AERIALS INC.**

REV. 06/25/91

PART  
NO.

01-014000

PLATE  
NO.

D11.03

[illegible]

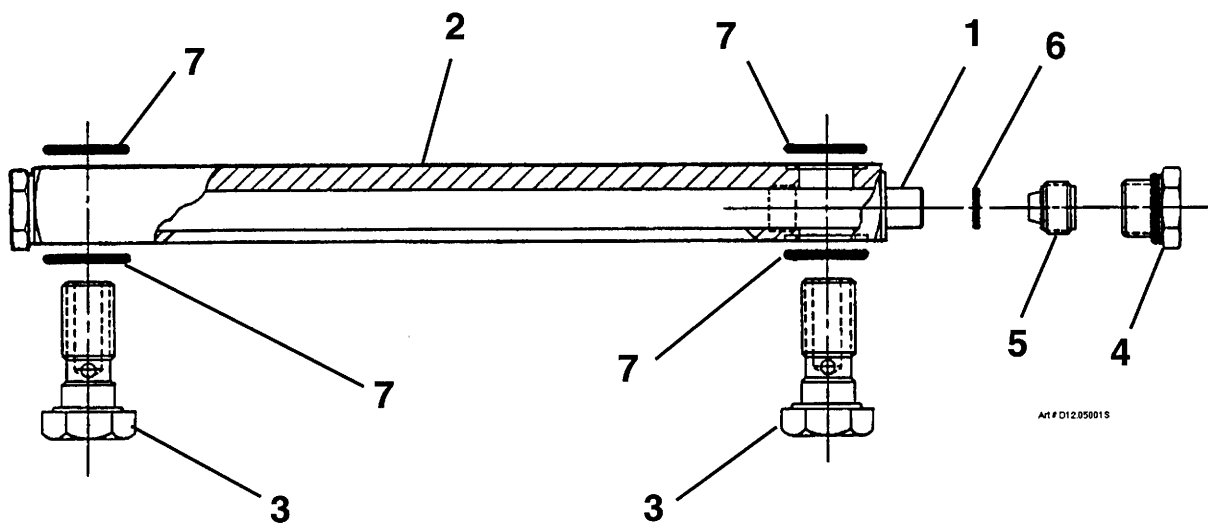
## SIGHT GAUGE, 14"

**SIMON AERIALS INC.**

REV. 05/02/91

**PART** 10-033800  
**NO.**





Art # D12.050015

TITLE

SIGHT GAUGE, 14"

**SIMON AERIALS INC.**

REV. 05/02/91

PART  
NO.

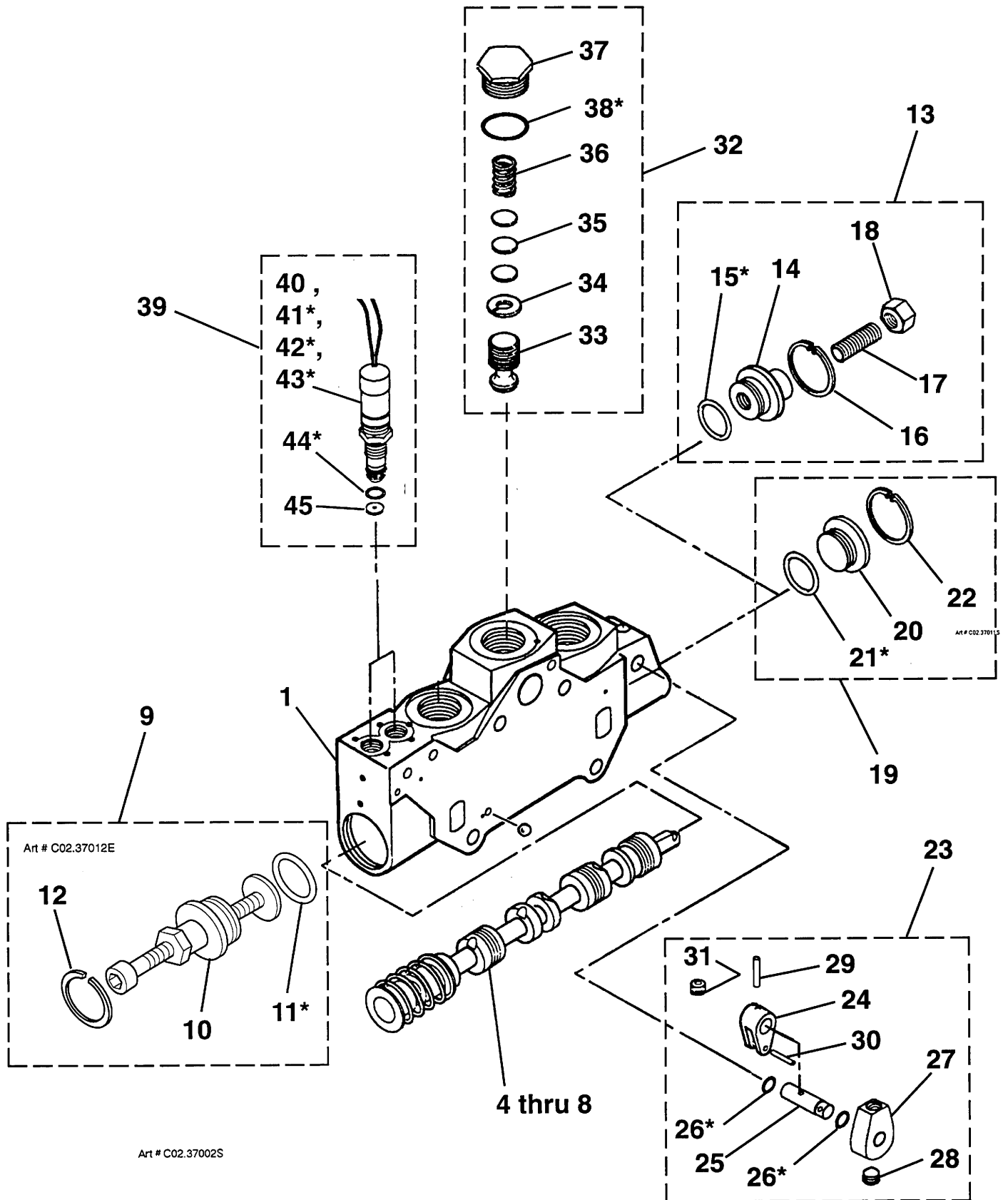
10-033800

PLATE  
NO.

D12.05

| PARTS LIST                                                       |                         |                    |                                                                                                                                                                                                 |          |
|------------------------------------------------------------------|-------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ITEM                                                             | PART NO                 | SEE SECTION        | DESCRIPTION                                                                                                                                                                                     | QTY.     |
|                                                                  |                         |                    | <b>NOTE:</b> When ordering valve sections or components, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.                                                |          |
|                                                                  | Call Simon              |                    | DRIVE VALVE SECTION<br>for <b>first type</b> valve bank assemblies (MP series only)                                                                                                             | 1        |
|                                                                  | Call Simon              |                    | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                                                               |          |
| 1                                                                |                         |                    | HOUSING, DRIVE VALVE SECTION                                                                                                                                                                    | 1        |
| 2                                                                | 01-211026<br>Call Simon |                    | SEAL KIT, WORK SEGMENT (incl. all items with asterisk*)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies    | 1        |
| 3                                                                |                         | *                  | BALL (for housing cross port)                                                                                                                                                                   | 1        |
| 4                                                                | Call Simon              |                    | SPOOL KIT, DRIVE VALVE<br>for <b>first type</b> valve bank assemblies (MP series only)                                                                                                          | 1        |
|                                                                  | Call Simon              |                    | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                                                               |          |
| 5                                                                |                         |                    | SPOOL, MAIN                                                                                                                                                                                     | 1        |
| 6                                                                |                         |                    | GUIDE, SPRING                                                                                                                                                                                   | 2        |
| 7                                                                |                         |                    | SPRING, CENTERING                                                                                                                                                                               | 1        |
| 8                                                                |                         |                    | RING, RETAINING                                                                                                                                                                                 | 1        |
| 9                                                                |                         |                    | CENTERING PLUG KIT                                                                                                                                                                              | 1        |
|                                                                  | 01-216401<br>Call Simon |                    | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                               |          |
| 10                                                               |                         |                    | PLUG, CENTERING                                                                                                                                                                                 | 1        |
| 11                                                               |                         | *                  | "O"-RING                                                                                                                                                                                        | 1        |
| 12                                                               |                         |                    | RING, RETAINING                                                                                                                                                                                 | 1        |
| 13                                                               |                         |                    | FLOW LIMITER KIT                                                                                                                                                                                |          |
|                                                                  | 01-211023<br>Call Simon |                    | (Found on some units. Optional with End plug, Item 19)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies     | 1        |
| 14                                                               |                         | *                  | PLUG, ADJUSTMENT                                                                                                                                                                                | 1        |
| 15                                                               |                         |                    | "O"-RING                                                                                                                                                                                        | 1        |
| 16                                                               |                         |                    | RING, RETAINING                                                                                                                                                                                 | 1        |
| 17                                                               |                         |                    | SET SCREW                                                                                                                                                                                       | 1        |
| 18                                                               |                         |                    | NUT, SEAL                                                                                                                                                                                       | 1        |
| 19                                                               |                         |                    | PLUG KIT, END                                                                                                                                                                                   |          |
|                                                                  | 01-211022<br>Call Simon |                    | (Found on some units. Optional with Flow limiter, Item 13)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1        |
| 20                                                               |                         | *                  | PLUG                                                                                                                                                                                            | 1        |
| 21                                                               |                         |                    | "O"-RING                                                                                                                                                                                        | 1        |
| 22                                                               |                         |                    | RING, RETAINING                                                                                                                                                                                 | 1        |
| TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) |                         |                    |                                                                                                                                                                                                 |          |
| PLATE NO.                                                        | D13.06                  | SIMON AERIALS INC. |                                                                                                                                                                                                 | PART NO. |
|                                                                  |                         |                    | REV. 26 JUL., 1994                                                                                                                                                                              |          |

Art # C02.37006E



TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO. D13.06

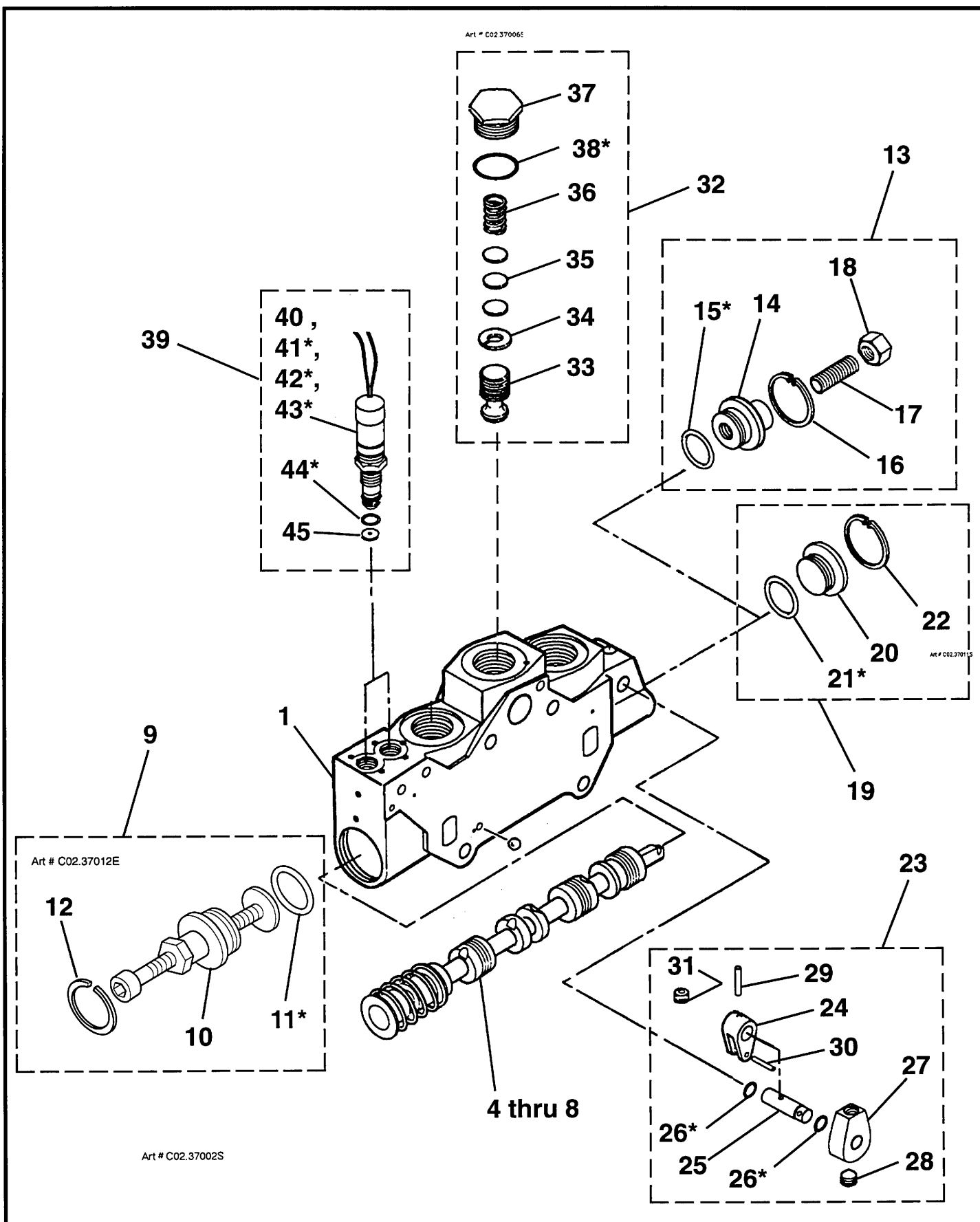
[illegible]

|                                                                  |        |                    |                    |
|------------------------------------------------------------------|--------|--------------------|--------------------|
| TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) |        |                    |                    |
| PLATE NO.                                                        | D13.06 | SIMON AERIALS INC. | REV. 26 JUL., 1994 |
|                                                                  |        |                    | PART NO.           |

**SIMON AERIALS INC.**

REV. 26 JUL.. 1994

PART  
NO.



TITLE DRIVE CONTROL VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

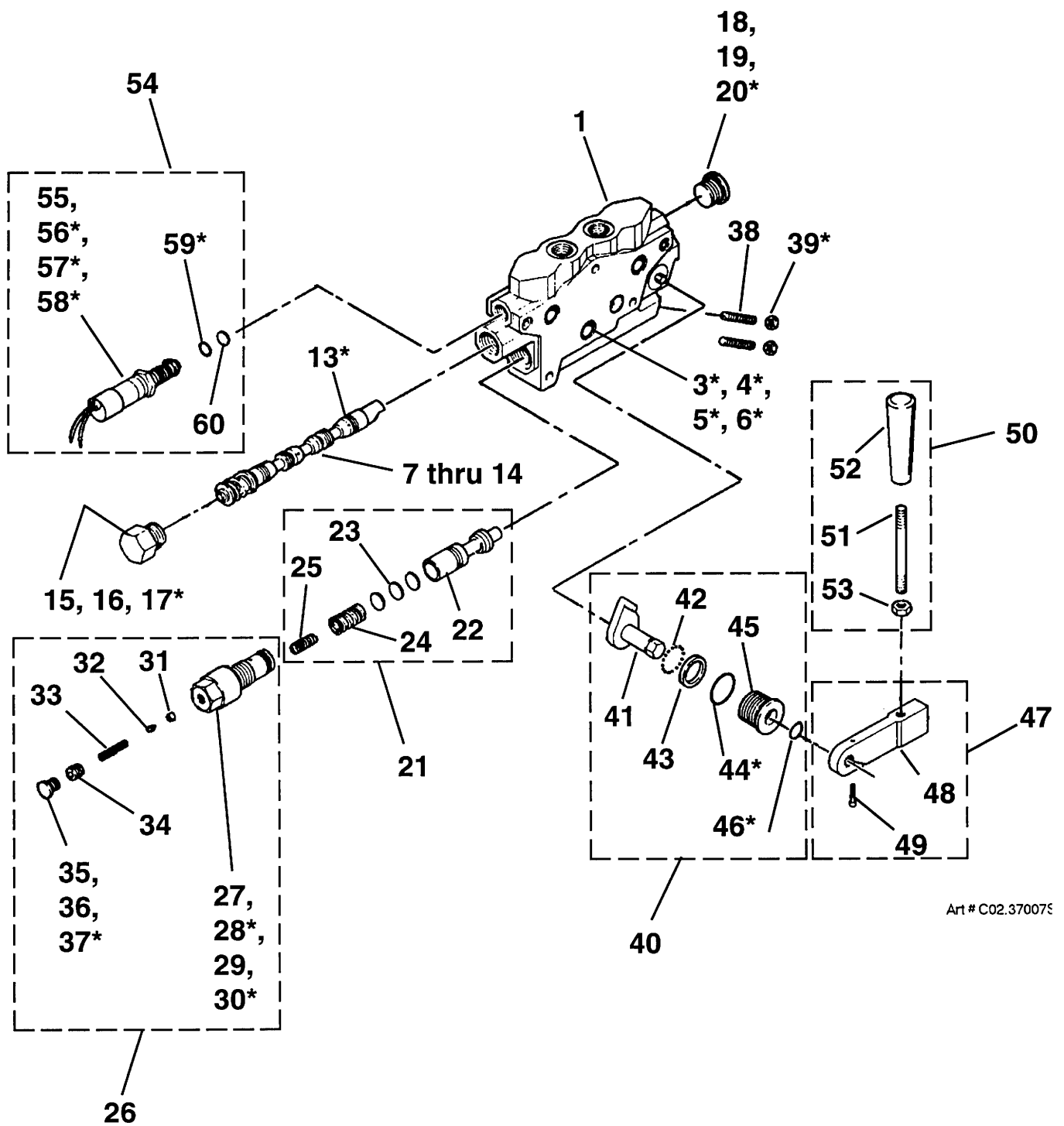
PLATE  
NO. D13.06



## PARTS LIST

| ITEM | PART NO                 | SEE SECTION | DESCRIPTION                                                                                                                                                 | QTY. |
|------|-------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      | 01-231204<br>Call Simon |             | TELESCOPE VALVE SECTION<br>for Model RP 66<br>for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate. | 1    |
| 1    |                         |             | HOUSING, TELESCOPE VALVE SECTION                                                                                                                            | 1    |
| 2    | 01-211004<br>Call Simon |             | SEAL KIT, WORK SEGMENT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1    |
| 3    |                         |             | SEAL KIT, WORK SEGMENT . . . includes;                                                                                                                      | 1    |
| 4    |                         |             | BALL (for housing cross port)                                                                                                                               | 1    |
| 5    |                         |             | "O"-RING (for housing cross port)                                                                                                                           | 2    |
| 6    |                         |             | "O"-RING (for housing cross port)                                                                                                                           | 3    |
| 7    | Call Simon              |             | SPOOL KIT, TELESCOPE VALVE<br>Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.                                       | 1    |
| 8    |                         |             | SPOOL                                                                                                                                                       | 1    |
| 9    |                         |             | RING, RETAINING                                                                                                                                             | 1    |
| 10   |                         |             | GUIDE, SPRING                                                                                                                                               | 2    |
| 11   |                         |             | SPRING, CENTERING                                                                                                                                           | 1    |
| 12   |                         |             | SHIM                                                                                                                                                        | 1    |
| 13   |                         | *           | "O"-RING                                                                                                                                                    | 1    |
| 14   |                         |             | HOOK, OVERRIDE                                                                                                                                              | 1    |
| 15   | 01-211013<br>Call Simon |             | PLUG, HEX<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies              | 1    |
| 16   |                         | *           | PLUG                                                                                                                                                        | 1    |
| 17   |                         | *           | "O"-RING                                                                                                                                                    | 1    |
| 18   | 01-211009<br>Call Simon |             | PLUG, SOCKET<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies           | 1    |
| 19   |                         | *           | PLUG                                                                                                                                                        | 1    |
| 20   |                         | *           | "O"-RING                                                                                                                                                    | 1    |
|      |                         |             |                                                                                                                                                             |      |
|      |                         |             |                                                                                                                                                             |      |

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)



Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

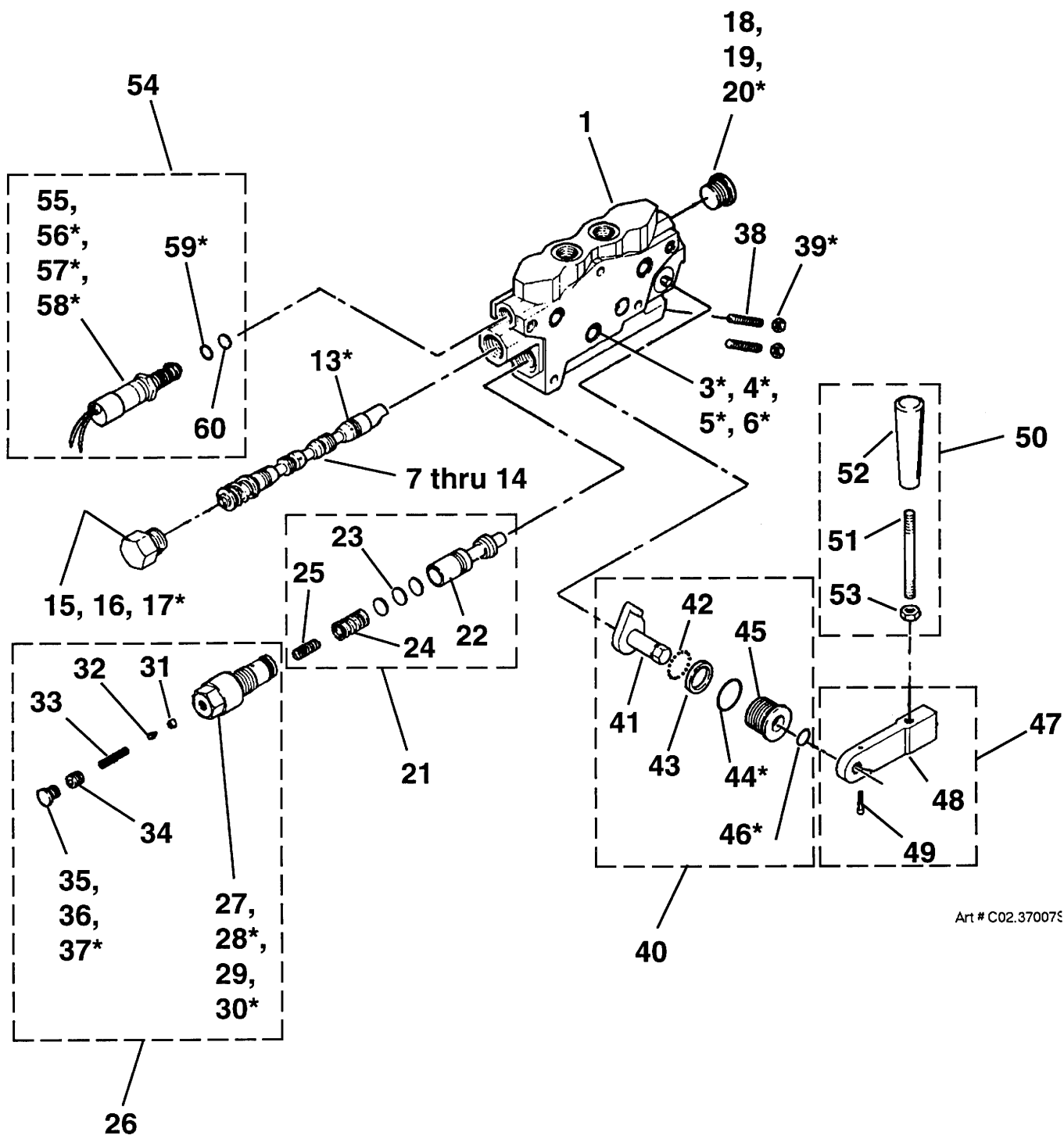
**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO. **D13.07**

| PARTS LIST                                                            |                          |                    |                                                                                                                                                                      |          |
|-----------------------------------------------------------------------|--------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ITEM                                                                  | PART NO                  | SEE SECTION        | DESCRIPTION                                                                                                                                                          | QTY.     |
| 21                                                                    | Call Simon<br>Call Simon |                    | SPOOL KIT, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies          | 1        |
| 22                                                                    |                          |                    | SPOOL, COMPENSATOR                                                                                                                                                   | 1        |
| 23                                                                    |                          |                    | SHIM (.025" [.635 mm])                                                                                                                                               | 3        |
|                                                                       |                          |                    | SHIM (.008" [.203 mm])                                                                                                                                               | 3        |
| 24                                                                    |                          |                    | SHIM (.003" [.076 mm])                                                                                                                                               | 3        |
| 25                                                                    |                          |                    | SPRING, COMPENSATOR (outer)                                                                                                                                          | 1        |
|                                                                       |                          |                    | SPRING, COMPENSATOR (inner,<br>needed for 10 Gal [37.8 Liters]/ Min flow or greater)                                                                                 | 1        |
| 26                                                                    | 01-211016<br>Call Simon  |                    | CARTRIDGE KIT, PRESSURE LIMITER<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1        |
| 27                                                                    |                          |                    | PLUG, RELIEF                                                                                                                                                         | 1        |
| 28                                                                    |                          | *                  | "O"-RING                                                                                                                                                             | 1        |
| 29                                                                    |                          |                    | RING, BACKUP                                                                                                                                                         | 1        |
| 30                                                                    |                          | *                  | "O"-RING                                                                                                                                                             | 1        |
| 31                                                                    |                          |                    | SEAT                                                                                                                                                                 | 1        |
| 32                                                                    |                          |                    | POPPET, RELIEF                                                                                                                                                       | 1        |
| 33                                                                    |                          |                    | SPRING, RELIEF                                                                                                                                                       | 1        |
| 34                                                                    |                          |                    | SCREW, ADJUSTMENT                                                                                                                                                    | 1        |
| 35                                                                    |                          |                    | PLUG, HEX                                                                                                                                                            | 1        |
| 36                                                                    |                          |                    | PLUG                                                                                                                                                                 | 1        |
| 37                                                                    |                          | *                  | "O"-RING                                                                                                                                                             | 1        |
| 38                                                                    | 01-211010<br>Call Simon  |                    | SET SCREW<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                       | 2        |
| 39                                                                    | 01-211011<br>Call Simon  | *                  | NUT, SEAL<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                       | 2        |
| 40                                                                    | 01-211008<br>Call Simon  |                    | HANDLE SHAFT KIT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                | 1        |
| 41                                                                    |                          |                    | LINK, SHAFT                                                                                                                                                          | 1        |
| 42                                                                    |                          |                    | BALL (Steel)                                                                                                                                                         | 17       |
| 43                                                                    |                          |                    | RETAINER, BEARING                                                                                                                                                    | 1        |
| 44                                                                    |                          | *                  | "O"-RING                                                                                                                                                             | 1        |
| 45                                                                    |                          |                    | PLUG, OVERRIDE                                                                                                                                                       | 1        |
| 46                                                                    |                          | *                  | "O"-RING                                                                                                                                                             | 1        |
| TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3) |                          |                    |                                                                                                                                                                      |          |
| PLATE NO.                                                             | D13.07                   | SIMON AERIALS INC. |                                                                                                                                                                      | PART NO. |
|                                                                       |                          | REV. 26 JUL., 1994 |                                                                                                                                                                      |          |



Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

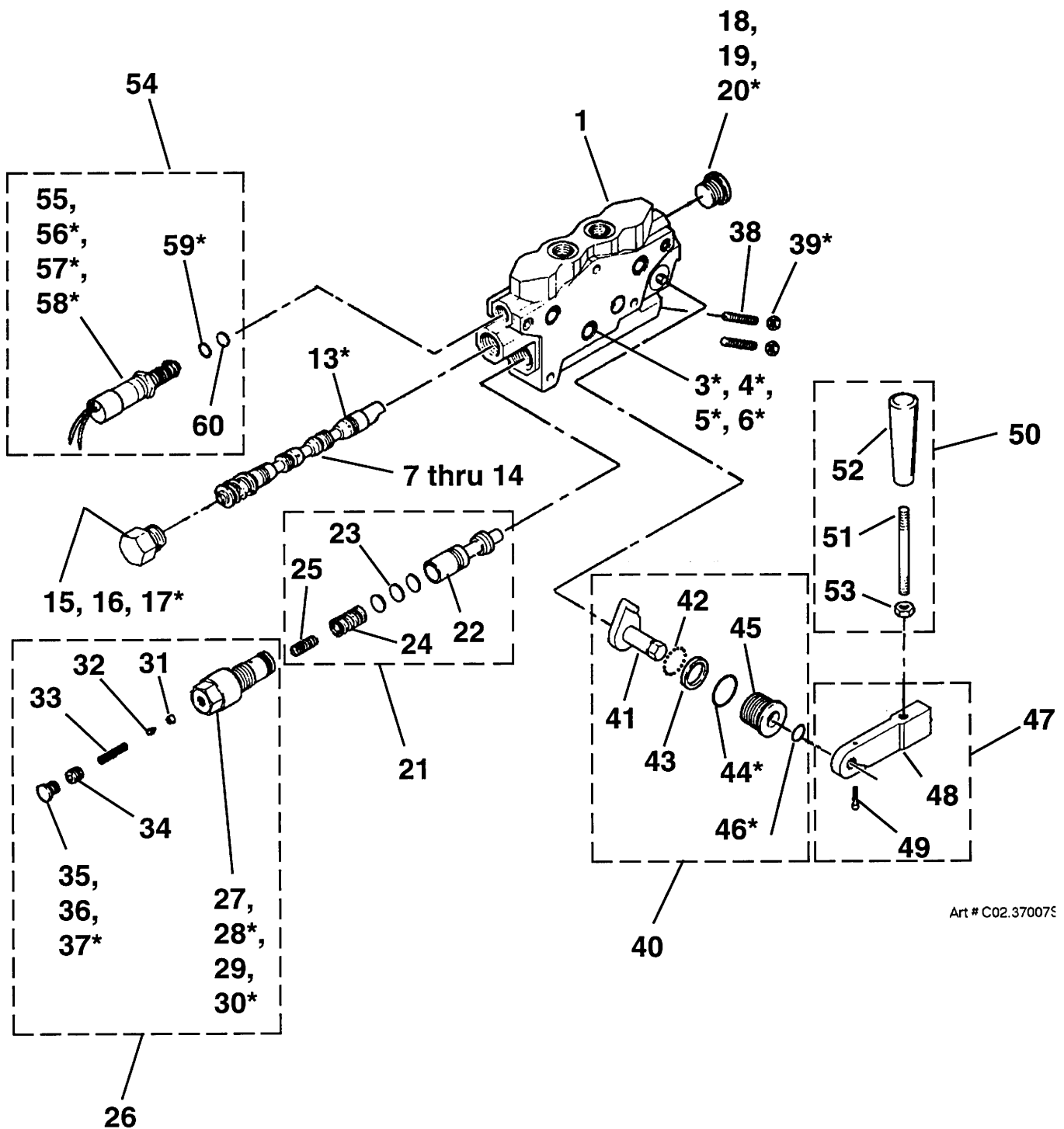
PART  
NO.

PLATE  
NO. **D13.07**

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|           |        |                    |                    |          |
|-----------|--------|--------------------|--------------------|----------|
| PLATE NO. | D13.07 | SIMON AERIALS INC. | REV. 26 JUL., 1994 | PART NO. |
|-----------|--------|--------------------|--------------------|----------|





Art # C02.370075

TITLE TELESCOPE VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO. **D13.07**

## PARTS LIST

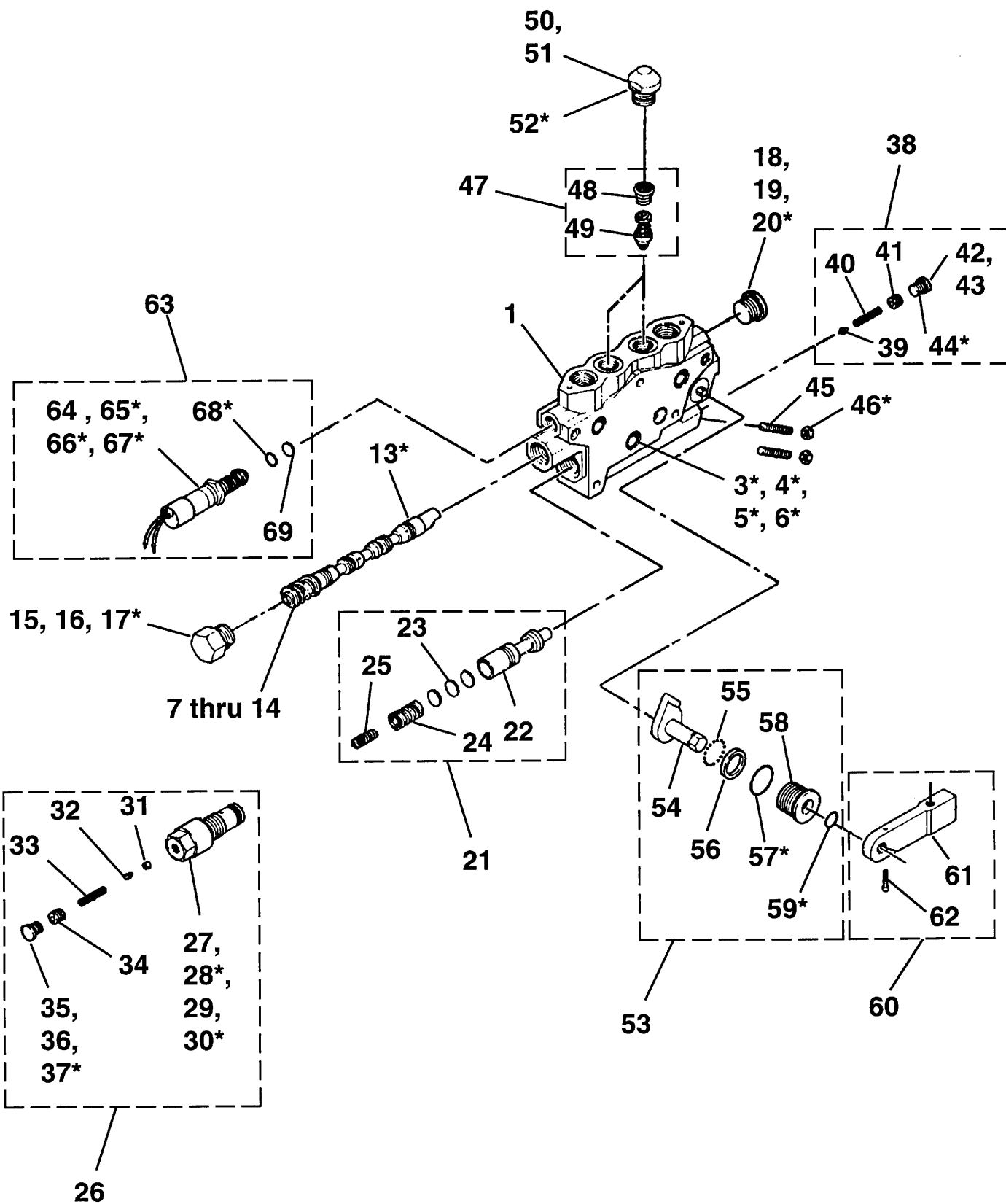
| ITEM | PART NO    | SEE SECTION | DESCRIPTION                                                                                                                                      | QTY. |
|------|------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      |            |             | <b>NOTE:</b> When ordering valve sections or components, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate. |      |
|      | Call Simon |             | STEER VALVE SECTION<br>for <b>first type</b> valve bank assemblies (MP series only)                                                              | 1    |
|      | Call Simon |             | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                |      |
| 1    |            |             | HOUSING, STEER VALVE SECTION                                                                                                                     | 1    |
| 2    | 01-211004  |             | SEAL KIT, WORK SEGMENT<br>for <b>first type</b> valve bank assemblies (MP series only)                                                           | 1    |
|      | Call Simon |             | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                |      |
| 3    |            |             | SEAL KIT, WORK SEGMENT . . . includes;                                                                                                           | 1    |
| 4    |            |             | BALL (for housing cross port)                                                                                                                    | 1    |
| 5    |            |             | "O"-RING (for housing cross port)                                                                                                                | 2    |
| 6    |            |             | "O"-RING (for housing cross port)                                                                                                                | 3    |
|      |            |             | plus all items below marked with an asterisk (*)                                                                                                 |      |
| 7    | Call Simon |             | SPOOL KIT, STEER VALVE<br>for <b>first type</b> valve bank assemblies (MP series only)                                                           | 1    |
|      | Call Simon |             | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                |      |
| 8    |            |             | SPOOL                                                                                                                                            | 1    |
| 9    |            |             | RING, RETAINING                                                                                                                                  | 1    |
| 10   |            |             | GUIDE, SPRING                                                                                                                                    | 2    |
| 11   |            |             | SPRING, CENTERING                                                                                                                                | 1    |
| 12   |            |             | SHIM                                                                                                                                             | 1    |
| 13   |            | *           | "O"-RING                                                                                                                                         | 1    |
| 14   |            |             | HOOK, OVERRIDE                                                                                                                                   | 1    |
| 15   | 01-211013  |             | PLUG, HEX<br>for <b>first type</b> valve bank assemblies (MP series only)                                                                        | 1    |
|      | Call Simon |             | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                |      |
| 16   |            |             | PLUG                                                                                                                                             | 1    |
| 17   |            | *           | "O"-RING                                                                                                                                         | 1    |
| 18   | Call Simon |             | PLUG, SOCKET<br>for <b>first type</b> valve bank assemblies (MP series only)                                                                     | 1    |
|      | Call Simon |             | for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                |      |
| 19   |            |             | PLUG                                                                                                                                             | 1    |
| 20   |            | *           | "O"-RING                                                                                                                                         | 1    |

**TITLE** STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

**PLATE NO.** D13.08 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

**PART NO.**



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

**SIMON AERIALS INC.**

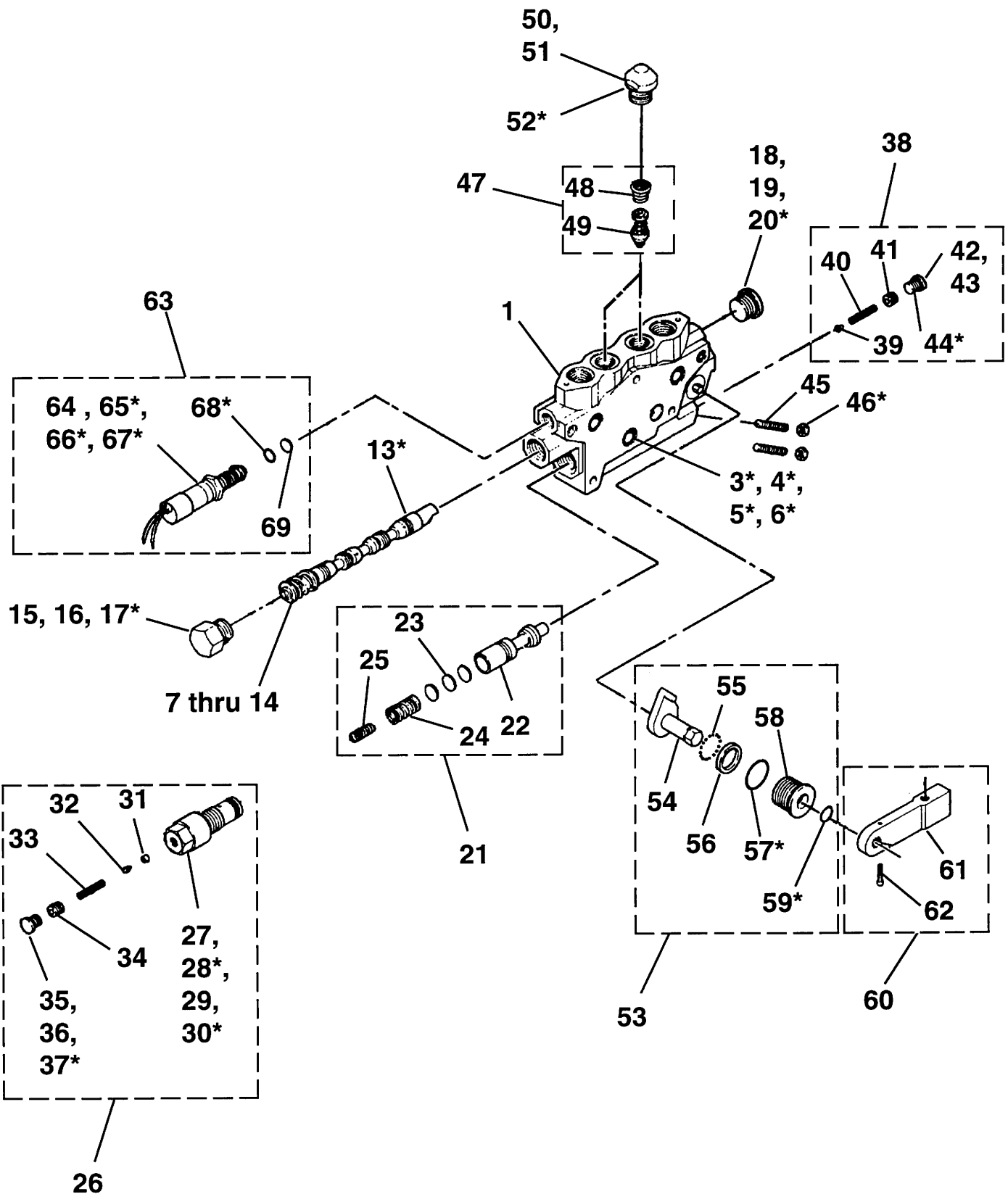
REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO.

**D13.08**

| PARTS LIST                                                        |                         |                    |                                                                                                                                                                      |          |
|-------------------------------------------------------------------|-------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ITEM                                                              | PART NO                 | SEE SECTION        | DESCRIPTION                                                                                                                                                          | QTY.     |
| 21                                                                | 01-211012<br>Call Simon |                    | SPOOL KIT, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies          | 1        |
| 22                                                                |                         |                    | SPOOL, COMPENSATOR                                                                                                                                                   | 1        |
| 23                                                                |                         |                    | SHIM (.025" [.635 mm])                                                                                                                                               | 3        |
|                                                                   |                         |                    | SHIM (.008" [.203 mm])                                                                                                                                               | 3        |
|                                                                   |                         |                    | SHIM (.003" [.076 mm])                                                                                                                                               | 3        |
| 24                                                                |                         |                    | SPRING, COMPENSATOR (outer)                                                                                                                                          | 1        |
| 25                                                                |                         |                    | SPRING, COMPENSATOR (inner,<br>needed for 10 Gal [37.8 Liters]/ Min flow or greater)                                                                                 | 1        |
| 26                                                                | 01-211006<br>Call Simon |                    | CARTRIDGE KIT, PRESSURE LIMITER<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1        |
| 27                                                                |                         |                    | PLUG, RELIEF                                                                                                                                                         | 1        |
| 28                                                                |                         | *                  | "O"-RING                                                                                                                                                             | 1        |
| 29                                                                |                         |                    | RING, BACKUP                                                                                                                                                         | 1        |
| 30                                                                |                         | *                  | "O"-RING                                                                                                                                                             | 1        |
| 31                                                                |                         |                    | SEAT                                                                                                                                                                 | 1        |
| 32                                                                |                         |                    | POPPET, RELIEF                                                                                                                                                       | 1        |
| 33                                                                |                         |                    | SPRING, RELIEF                                                                                                                                                       | 1        |
| 34                                                                |                         |                    | SCREW, ADJUSTMENT                                                                                                                                                    | 1        |
| 35                                                                |                         |                    | PLUG, HEX                                                                                                                                                            | 1        |
| 36                                                                |                         |                    | PLUG                                                                                                                                                                 | 1        |
| 37                                                                |                         | *                  | "O"-RING                                                                                                                                                             | 1        |
| 38                                                                | 01-211005<br>Call Simon |                    | PRESSURE LIMITER KIT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies            | 1        |
| 39                                                                |                         |                    | POPPET, PRESSURE LIMITER                                                                                                                                             | 1        |
| 40                                                                |                         |                    | SPRING, PRESSURE LIMITER                                                                                                                                             | 1        |
| 41                                                                |                         |                    | SCREW, ADJUSTMENT                                                                                                                                                    | 1        |
| 42                                                                |                         |                    | PLUG, SOCKET HEAD                                                                                                                                                    | 1        |
| 43                                                                |                         |                    | PLUG                                                                                                                                                                 | 1        |
| 44                                                                |                         | *                  | "O"-RING                                                                                                                                                             | 1        |
| 45                                                                | 01-211010<br>Call Simon |                    | SET SCREW<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                       | 2        |
| 46                                                                | 01-211011<br>Call Simon | *                  | NUT, SEAL<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                       | 2        |
| TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3) |                         |                    |                                                                                                                                                                      |          |
| PLATE NO.                                                         | D13.08                  | SIMON AERIALS INC. |                                                                                                                                                                      | PART NO. |
| REV. 26 JUL., 1994                                                |                         |                    |                                                                                                                                                                      |          |



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO. D13.08



## PARTS LIST

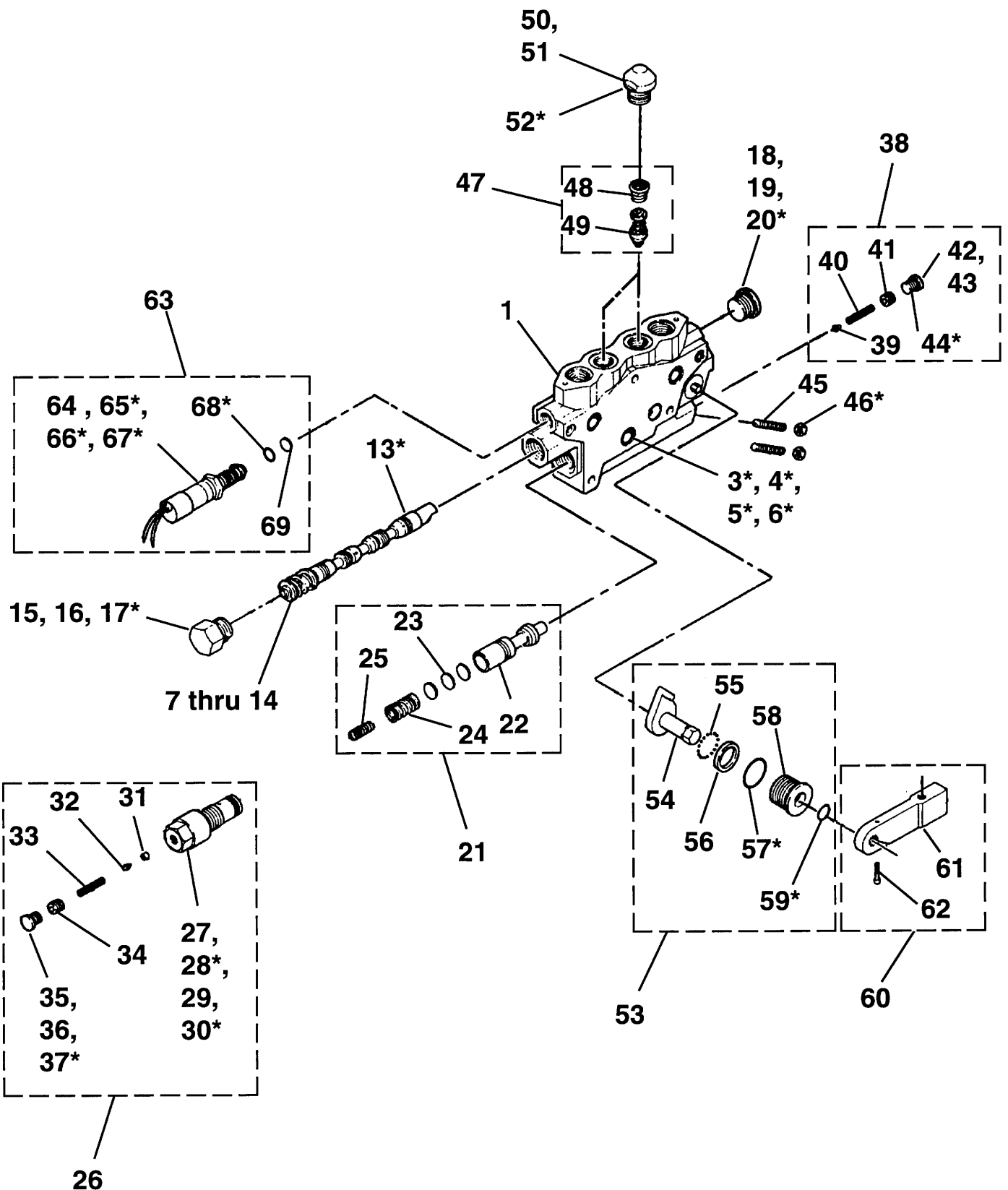
| ITEM | PART NO                  | SEE SECTION | DESCRIPTION                                                                                                                                                                                   | QTY. |
|------|--------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 47   | 01-211007<br>Call Simon  |             | RELIEF KIT (with anti-cavitation valve)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                  | 2    |
| 48   |                          |             | CARTRIDGE ASSEMBLY                                                                                                                                                                            | 1    |
| 49   |                          |             | SPRING                                                                                                                                                                                        | 1    |
| 50   |                          |             | PLUG, WORK PORT                                                                                                                                                                               | 1    |
|      | Call Simon<br>Call Simon |             | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                             |      |
| 51   |                          |             | PLUG                                                                                                                                                                                          | 1    |
| 52   |                          | *           | "O"-RING                                                                                                                                                                                      | 1    |
| 53   | 01-211008<br>Call Simon  |             | HANDLE SHAFT KIT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                         | 1    |
| 54   |                          |             | LINK, SHAFT                                                                                                                                                                                   | 1    |
| 55   |                          |             | BALL (Steel)                                                                                                                                                                                  | 17   |
| 56   |                          |             | RETAINER, BEARING                                                                                                                                                                             | 1    |
| 57   |                          | *           | "O"-RING                                                                                                                                                                                      | 1    |
| 58   |                          |             | PLUG, OVERRIDE                                                                                                                                                                                | 1    |
| 59   |                          | *           | "O"-RING                                                                                                                                                                                      | 1    |
| 60   | 01-211014<br>Call Simon  |             | OPERATOR LINKAGE KIT (fixed)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                             | 1    |
| 61   |                          |             | ADAPTER, HANDLE                                                                                                                                                                               | 1    |
| 62   |                          |             | CAP SCREW                                                                                                                                                                                     | 1    |
| 63   | 01-211001<br>Call Simon  |             | SOLENOID KIT (12 Volt Pulsar, with Weatherpac connector)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1    |
| 64   |                          |             | SOLENOID, PULSAR (12 Volt)                                                                                                                                                                    | 1    |
| 65   |                          | *           | "O"-RING                                                                                                                                                                                      | 1    |
| 66   |                          | *           | SCREEN, SOLENOID FILTER                                                                                                                                                                       | 1    |
| 67   |                          | *           | "O"-RING (special)                                                                                                                                                                            | 2    |
| 68   |                          | *           | "O"-RING                                                                                                                                                                                      | 2    |
| 69   |                          |             | PLATE, ORIFICE                                                                                                                                                                                | 1    |
|      |                          |             |                                                                                                                                                                                               |      |
|      |                          |             |                                                                                                                                                                                               |      |
|      |                          |             |                                                                                                                                                                                               |      |

**TITLE** STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

**PLATE NO.** D13.08 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

**PART NO.**



TITLE STEER VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

PLATE  
NO. D13.08

## PARTS LIST

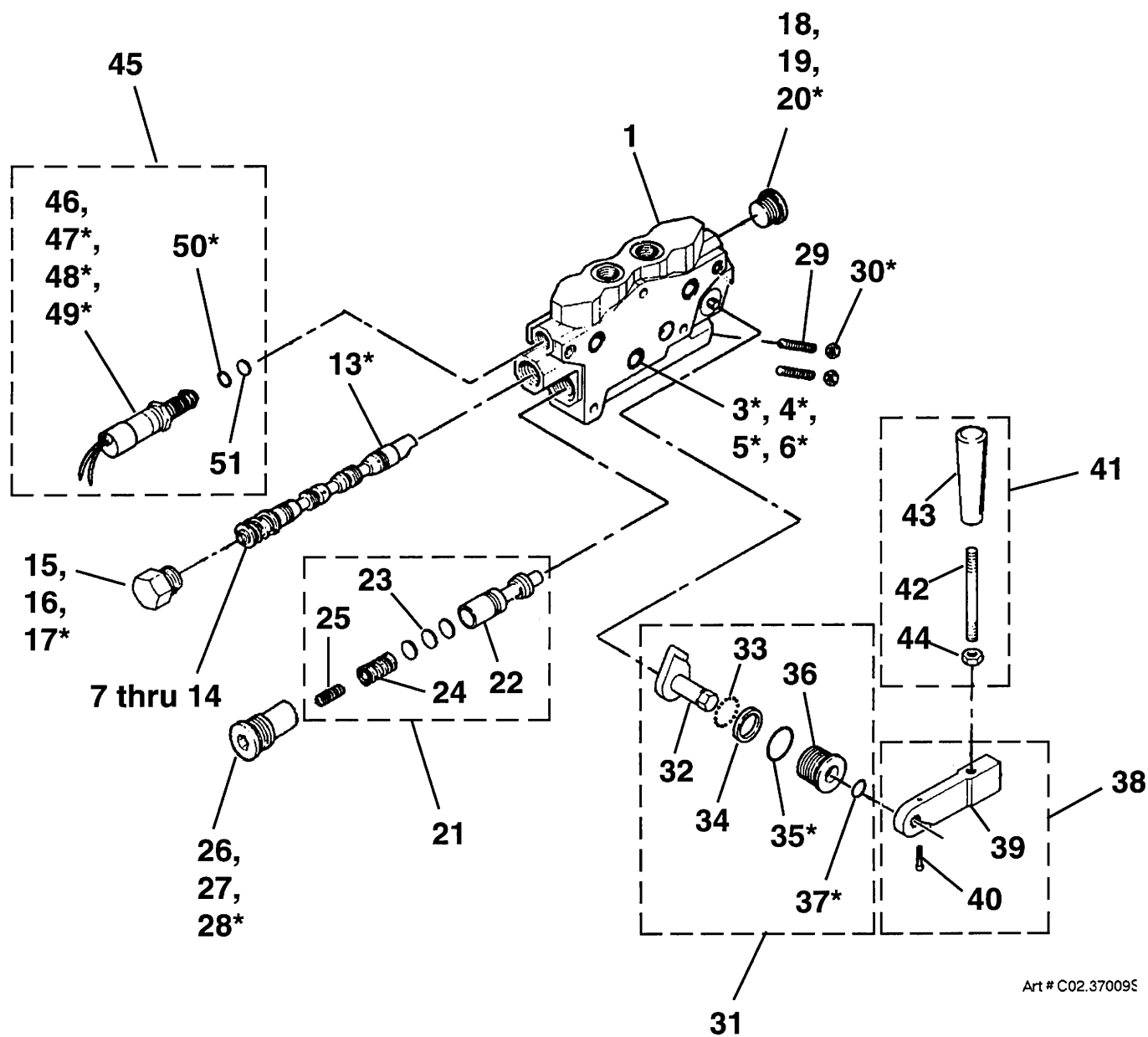
| ITEM | PART NO                              | SEE SECTION | DESCRIPTION                                                                                                                                                                                                                                                                                       | QTY. |
|------|--------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 01-231205<br>01-231203<br>Call Simon |             | BOOM RAISE/ LOWER VALVE SECTION<br>for Model RP 66 <b>main</b> boom<br>for Model RP 66 <b>jib</b> boom<br>for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.                                                                           | 1    |
| 1    | 01-211004<br>Call Simon              |             | HOUSING, BOOM RAISE/ LOWER VALVE SECTION                                                                                                                                                                                                                                                          | 1    |
| 2    |                                      |             | SEAL KIT, WORK SEGMENT . . . includes;<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                                                       | 1    |
| 3    |                                      |             | BALL (for housing cross port)                                                                                                                                                                                                                                                                     | 1    |
| 4    |                                      |             | "O"-RING (for housing cross port)                                                                                                                                                                                                                                                                 | 1    |
| 5    |                                      |             | "O"-RING (for housing cross port)                                                                                                                                                                                                                                                                 | 2    |
| 6    |                                      |             | "O"-RING (for housing cross port)<br>plus all items below marked with an asterisk (*)                                                                                                                                                                                                             | 3    |
| 7    | 01-210901<br>Call Simon              |             | SPOOL KIT, BOOM RAISE/ LOWER VALVE<br>For Model MP 95 or MP 110 (6.5 Gal/ Min [24.6 Liter/ Min])<br>For all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.<br>If for <b>RP</b> Series, also specify if for <b>main</b> or <b>jib</b> boom. | 1    |
| 8    |                                      |             | SPOOL                                                                                                                                                                                                                                                                                             | 1    |
| 9    |                                      |             | RING, RETAINING                                                                                                                                                                                                                                                                                   | 1    |
| 10   |                                      |             | GUIDE, SPRING                                                                                                                                                                                                                                                                                     | 2    |
| 11   |                                      |             | SPRING, CENTERING                                                                                                                                                                                                                                                                                 | 1    |
| 12   |                                      |             | SHIM                                                                                                                                                                                                                                                                                              | 1    |
| 13   |                                      | *           | "O"-RING                                                                                                                                                                                                                                                                                          | 1    |
| 14   |                                      |             | HOOK, OVERRIDE                                                                                                                                                                                                                                                                                    | 1    |
| 15   | 01-211013<br>Call Simon              |             | PLUG, HEX<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                                                                                                                                    | 1    |
| 16   |                                      |             | PLUG                                                                                                                                                                                                                                                                                              | 1    |
| 17   |                                      | *           | "O"-RING                                                                                                                                                                                                                                                                                          | 1    |
| 18   |                                      |             | PLUG, SOCKET                                                                                                                                                                                                                                                                                      | 1    |
| 19   | 01-211009<br>Call Simon              |             | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies<br>PLUG                                                                                                                                                         | 1    |
| 20   |                                      | *           | "O"-RING                                                                                                                                                                                                                                                                                          | 1    |

**TITLE** BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

**PLATE NO.** D13.09 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

**PART NO.**



TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

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**D13.09**

## PARTS LIST

| ITEM | PART NO                 | SEE SECTION | DESCRIPTION                                                                                                                                                       | QTY. |
|------|-------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 21   | 01-211012<br>Call Simon |             | SPOOL KIT, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies       | 1    |
| 22   |                         |             | SPOOL, COMPENSATOR                                                                                                                                                | 1    |
| 23   |                         |             | SHIM (.025" [.635 mm])                                                                                                                                            | 3    |
|      |                         |             | SHIM (.008" [.203 mm])                                                                                                                                            | 3    |
|      |                         |             | SHIM (.003" [.076 mm])                                                                                                                                            | 3    |
| 24   |                         |             | SPRING, COMPENSATOR (outer)                                                                                                                                       | 1    |
| 25   |                         |             | SPRING, COMPENSATOR (inner,<br>needed for 10 GPM [37.8 LPM] flow or greater)                                                                                      | 1    |
| 26   | 01-211015<br>Call Simon |             | PLUG, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies            | 1    |
| 27   |                         |             | PLUG                                                                                                                                                              | 1    |
| 28   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 29   | 01-211010<br>Call Simon |             | SET SCREW<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                    | 2    |
| 30   | 01-211011<br>Call Simon | *           | NUT, SEAL<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                    | 2    |
| 31   | 01-211008<br>Call Simon |             | HANDLE SHAFT KIT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies             | 1    |
| 32   |                         |             | LINK, SHAFT                                                                                                                                                       | 1    |
| 33   |                         |             | BALL (Steel)                                                                                                                                                      | 17   |
| 34   |                         |             | RETAINER, BEARING                                                                                                                                                 | 1    |
| 35   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 36   |                         |             | PLUG, OVERRIDE                                                                                                                                                    | 1    |
| 37   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 38   | 01-211014<br>Call Simon |             | OPERATOR LINKAGE KIT (fixed)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1    |
| 39   |                         |             | ADAPTER, HANDLE                                                                                                                                                   | 1    |
| 40   |                         |             | CAP SCREW                                                                                                                                                         | 1    |
| 41   |                         |             | HANDLE KIT                                                                                                                                                        | 1    |
|      | 01-211003<br>Call Simon |             | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                 |      |
| 42   |                         |             | ROD, HANDLE                                                                                                                                                       | 1    |
| 43   |                         |             | KNOB                                                                                                                                                              | 1    |
| 44   |                         |             | NUT, JAM                                                                                                                                                          | 1    |

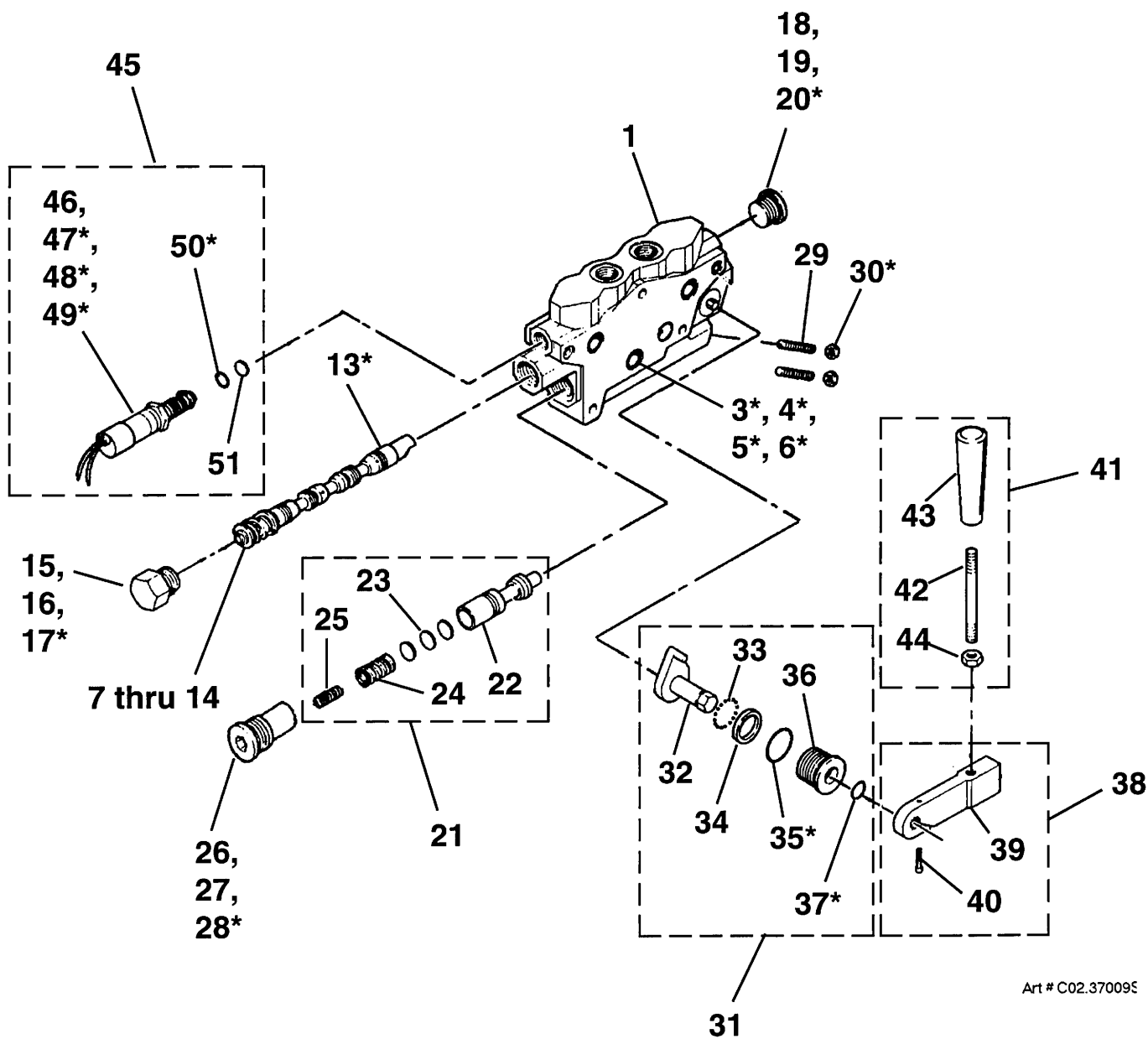
TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

PLATE NO. D13.09 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.





Art # C02.370095

TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

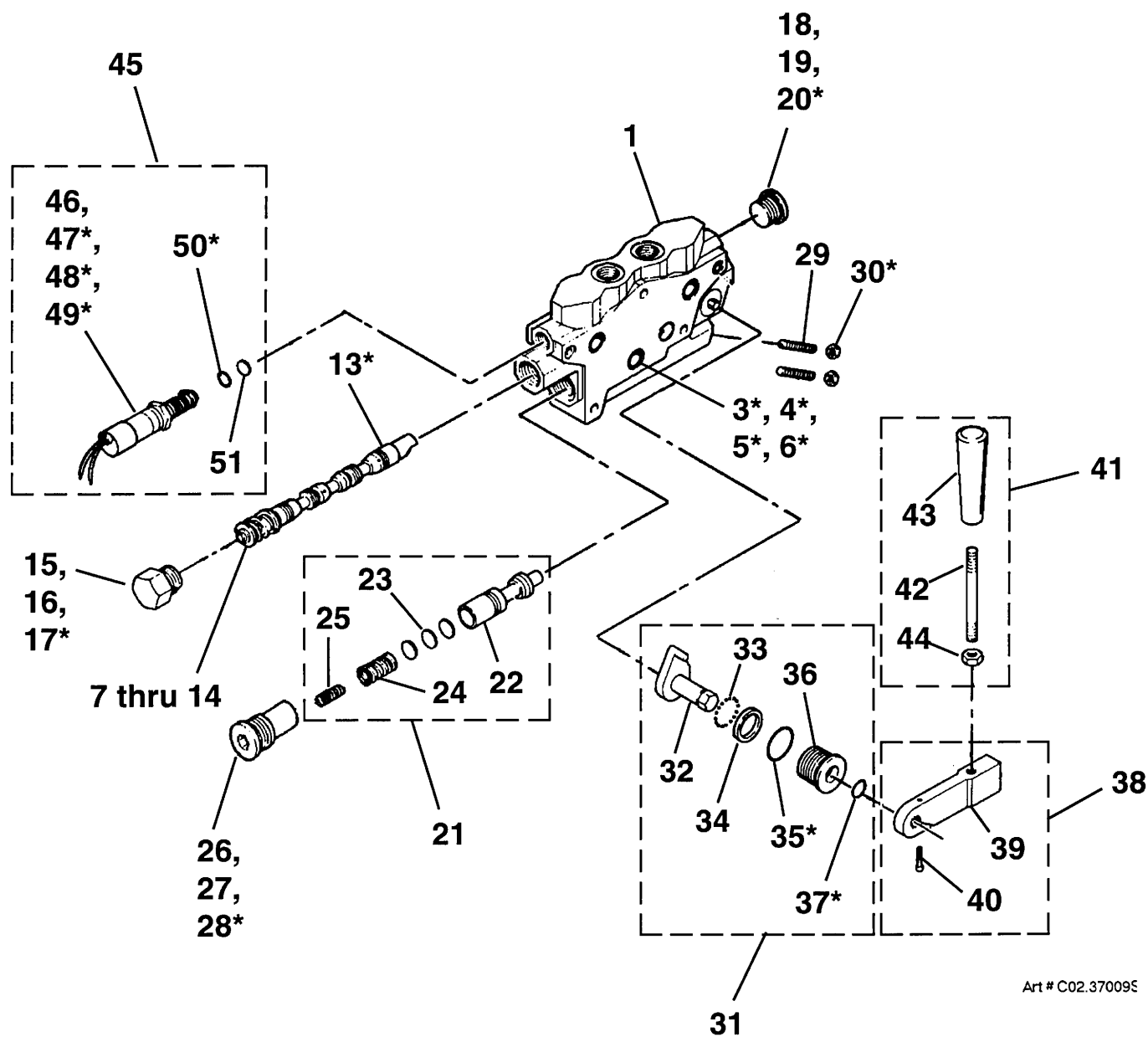
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# SIMON AERIALS INC.

REV. 26 JUL., 1994

PART  
NO.



TITLE BOOM VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

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NO.

**D13.09**

## PARTS LIST

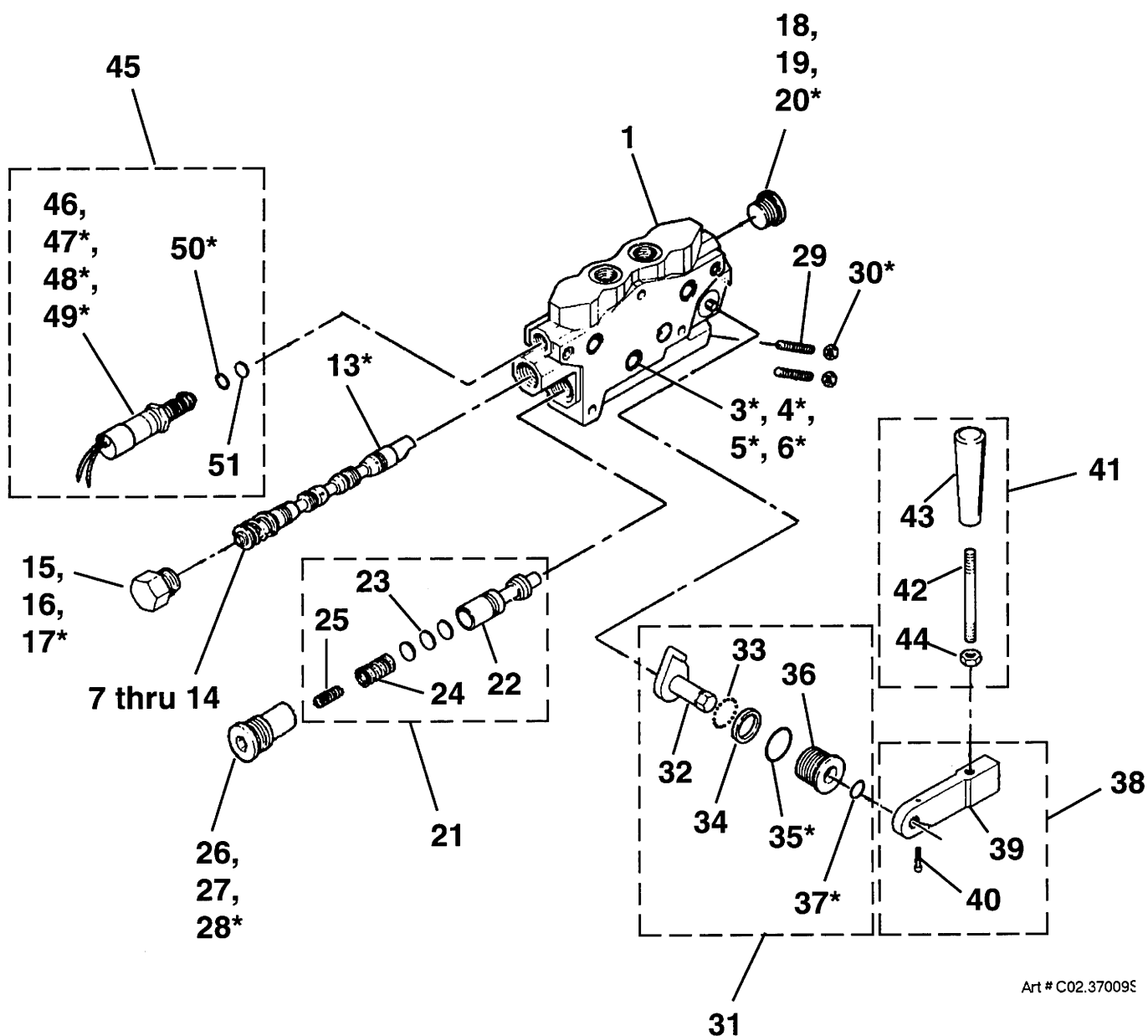
| ITEM | PART NO                 | SEE SECTION | DESCRIPTION                                                                                                                                                                 | QTY. |
|------|-------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      | 01-231206<br>Call Simon |             | SWING VALVE SECTION<br>for Model RP 66<br>for all other models, please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.                     | 1    |
| 1    |                         |             | HOUSING, SWING VALVE SECTION                                                                                                                                                | 1    |
| 2    | 01-211004<br>Call Simon |             | SEAL KIT, WORK SEGMENT . . . includes;<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1    |
| 3    |                         |             | BALL (for housing cross port)                                                                                                                                               | 1    |
| 4    |                         |             | "O"-RING (for housing cross port)                                                                                                                                           | 1    |
| 5    |                         |             | "O"-RING (for housing cross port)                                                                                                                                           | 2    |
| 6    |                         |             | "O"-RING (for housing cross port)                                                                                                                                           | 3    |
| 7    | Call Simon              |             | plus all items below marked with an asterisk (*)<br>SPOOL KIT, SWING VALVE                                                                                                  | 1    |
| 8    |                         |             | Please specify Model, Machine Serial Number and Part Number stamped on Valve nameplate.<br>SPOOL                                                                            | 1    |
| 9    |                         |             | RING, RETAINING                                                                                                                                                             | 1    |
| 10   |                         |             | GUIDE, SPRING                                                                                                                                                               | 2    |
| 11   |                         |             | SPRING, CENTERING                                                                                                                                                           | 1    |
| 12   |                         |             | SHIM                                                                                                                                                                        | 1    |
| 13   |                         | *           | "O"-RING                                                                                                                                                                    | 1    |
| 14   |                         |             | HOOK, OVERRIDE                                                                                                                                                              | 1    |
| 15   | 01-211013<br>Call Simon |             | PLUG, HEX<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                              | 1    |
| 16   |                         |             | PLUG                                                                                                                                                                        | 1    |
| 17   |                         | *           | "O"-RING                                                                                                                                                                    | 1    |
| 18   |                         |             | PLUG, SOCKET                                                                                                                                                                | 1    |
| 19   | 01-211009<br>Call Simon |             | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies<br>PLUG                                   | 1    |
| 20   |                         | *           | "O"-RING                                                                                                                                                                    | 1    |
|      |                         |             |                                                                                                                                                                             |      |
|      |                         |             |                                                                                                                                                                             |      |

TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

PLATE NO. D13.10 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (1 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART  
NO.

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NO.

**D13.10**



## PARTS LIST

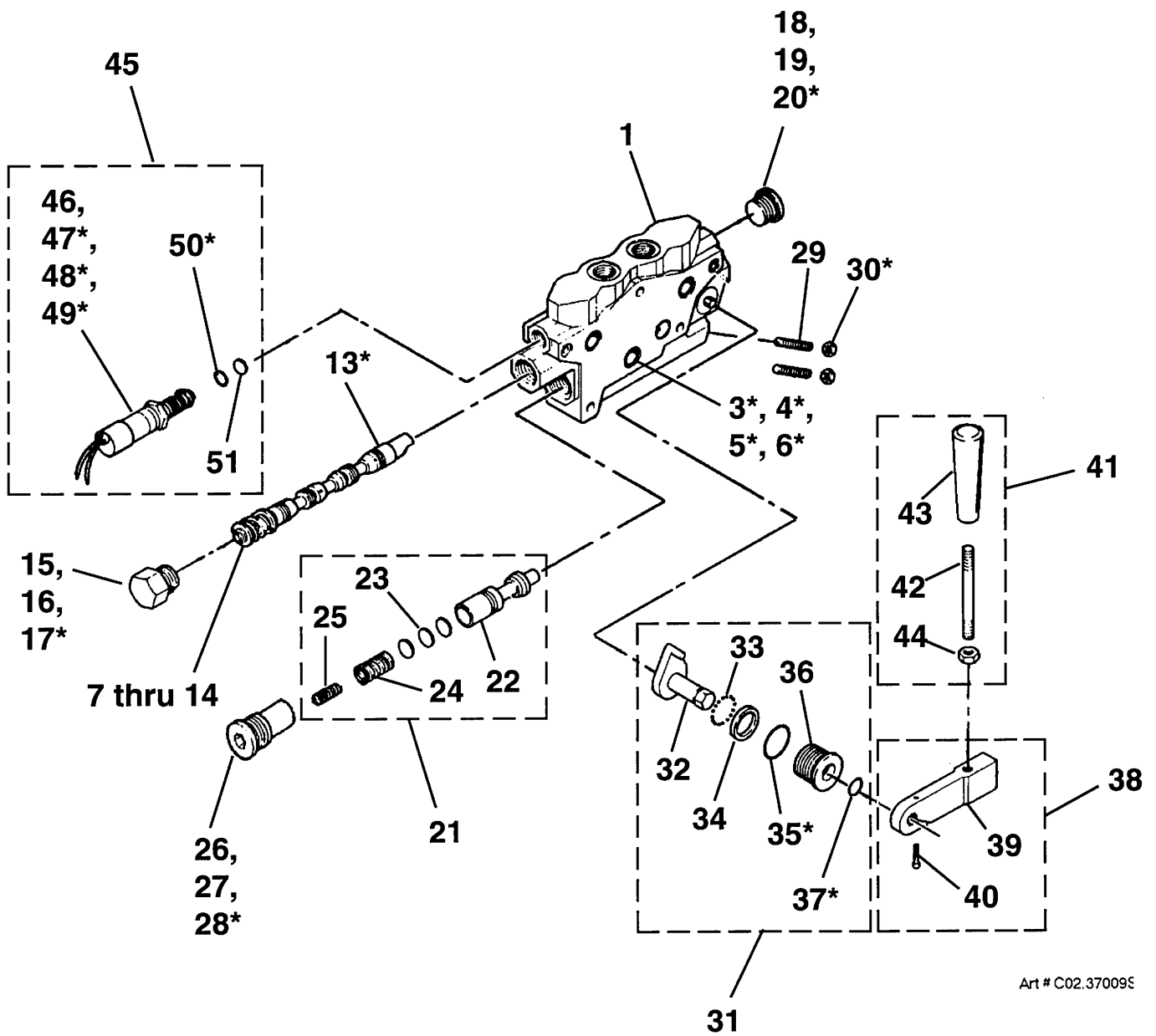
| ITEM | PART NO                 | SEE SECTION | DESCRIPTION                                                                                                                                                       | QTY. |
|------|-------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 21   | 01-211012<br>Call Simon |             | SPOOL KIT, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies       | 1    |
| 22   |                         |             | SPOOL, COMPENSATOR                                                                                                                                                | 1    |
| 23   |                         |             | SHIM (.025" [.635 mm])                                                                                                                                            | 3    |
|      |                         |             | SHIM (.008" [.203 mm])                                                                                                                                            | 3    |
|      |                         |             | SHIM (.003" [.076 mm])                                                                                                                                            | 3    |
| 24   |                         |             | SPRING, COMPENSATOR (outer)                                                                                                                                       | 1    |
| 25   |                         |             | SPRING, COMPENSATOR (inner,<br>needed for 10 Gal [37.8 Liter]/ Min flow or greater)                                                                               | 1    |
| 26   | 01-211015<br>Call Simon |             | PLUG, COMPENSATOR<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies            | 1    |
| 27   |                         |             | PLUG                                                                                                                                                              | 1    |
| 28   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 29   | 01-211010<br>Call Simon |             | SET SCREW<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                    | 2    |
| 30   | 01-211011<br>Call Simon | *           | NUT, SEAL<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                    | 2    |
| 31   | 01-211008<br>Call Simon |             | HANDLE SHAFT KIT<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies             | 1    |
| 32   |                         |             | LINK, SHAFT                                                                                                                                                       | 1    |
| 33   |                         |             | BALL (Steel)                                                                                                                                                      | 17   |
| 34   |                         |             | RETAINER, BEARING                                                                                                                                                 | 1    |
| 35   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 36   |                         |             | PLUG, OVERRIDE                                                                                                                                                    | 1    |
| 37   |                         | *           | "O"-RING                                                                                                                                                          | 1    |
| 38   | 01-211014<br>Call Simon |             | OPERATOR LINKAGE KIT (fixed)<br>for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies | 1    |
| 39   |                         |             | ADAPTER, HANDLE                                                                                                                                                   | 1    |
| 40   |                         |             | CAP SCREW                                                                                                                                                         | 1    |
| 41   |                         |             | HANDLE KIT                                                                                                                                                        | 1    |
|      | 01-211003<br>Call Simon |             | for <b>first type</b> valve bank assemblies (MP series only)<br>for <b>second type MP</b> and <b>all RP</b> valve bank assemblies                                 |      |
| 42   |                         |             | ROD, HANDLE                                                                                                                                                       | 1    |
| 43   |                         |             | KNOB                                                                                                                                                              | 1    |
| 44   |                         |             | NUT, JAM                                                                                                                                                          | 1    |

TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

PLATE NO. D13.10 **SIMON AERIALS INC.**

REV. 26 JUL., 1994

PART NO.



Art # C02.370095

TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (2 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

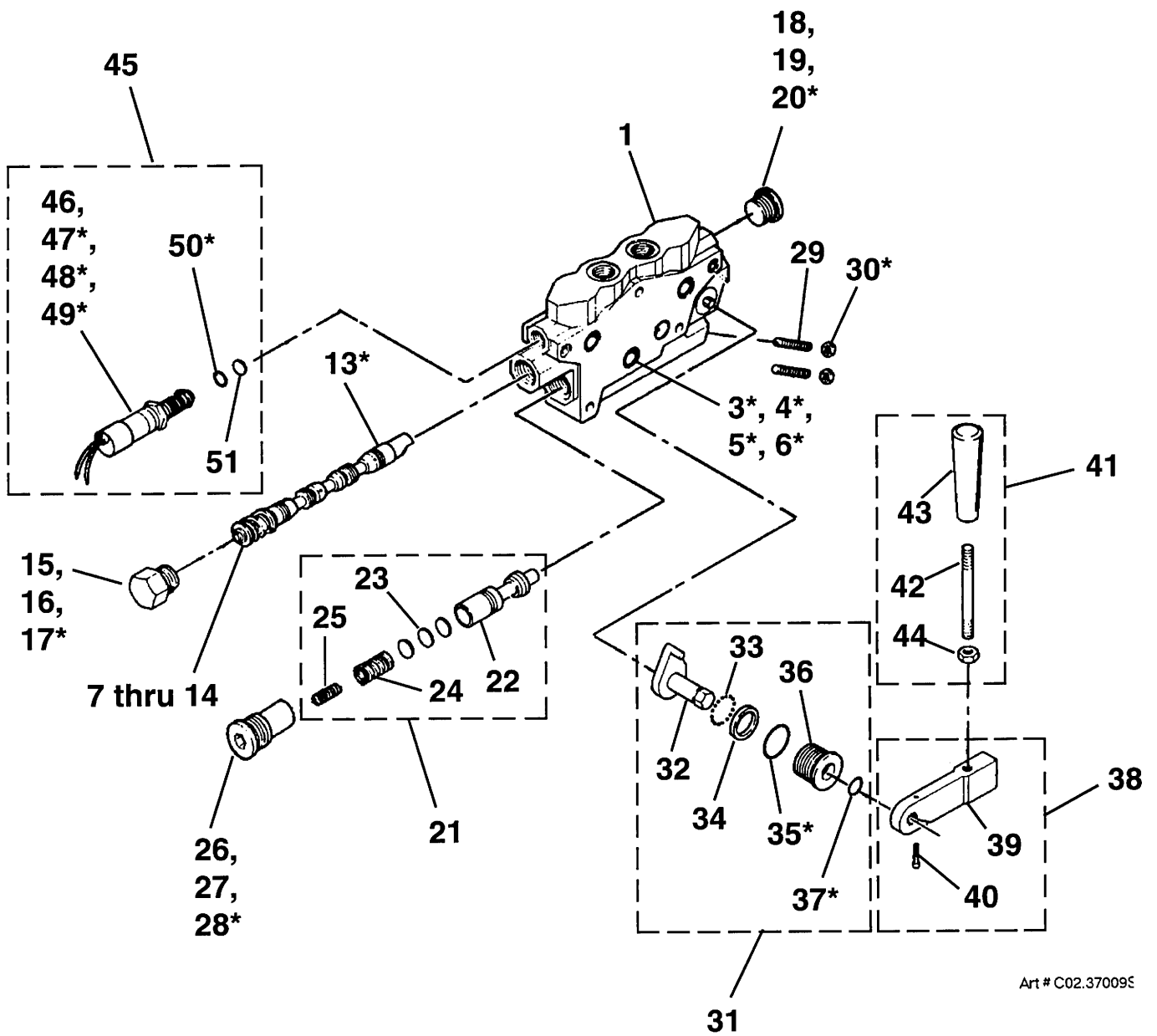
PART  
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| PLATE NO. | D13.10 | SIMON AERIALS INC. |
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PART  
NO.



TITLE SWING VALVE, MP/ RP (ELECTRO-PROPORTIONAL, TYPE 2) (3 OF 3)

**SIMON AERIALS INC.**

REV. 26 JUL., 1994

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NO.

PLATE  
NO. D13.10

## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                       | QTY. |
|------|-----------|-------------|---------------------------------------------------------------------------------------------------|------|
|      | 352 4590  |             | VALVE ASSEMBLY, PLATFORM ROTATE AND LEVEL                                                         | 1    |
|      | 352 4590  |             | for MP Series <b>except MP 110</b>                                                                |      |
|      |           |             | for RP "Reach Plus" <b>except RP 120</b>                                                          |      |
|      | 353 0750  |             | for Model <b>MP 110, RP 120</b> "Reach Plus", or Trailblazer <b>40</b> :                          |      |
|      | 353 1480  |             | Early style (Platform leveling lever is <b>mounted vertically</b> )                               |      |
|      | 353 3920  |             | Later style (Platform leveling lever is <b>bent 45° upward</b> )                                  |      |
|      |           |             | for Trailblazer <b>60</b>                                                                         |      |
| 1    |           |             | VALVE, PLATFORM ROTATE AND LEVEL                                                                  |      |
|      |           |             | (Modified two spool valve 01-207100)                                                              | 1    |
|      | 218 1260  |             | Early style (Platform leveling lever <b>mounted vertically</b> )                                  |      |
|      | 230 0610  |             | Later style (Platform leveling lever is <b>bent 45° upward</b> )                                  |      |
| 2    |           |             | SPOOL AND BODY ASSEMBLY                                                                           |      |
| 3    | 01-207103 |             | SPRING CENTER KIT                                                                                 | 2    |
| 4    |           |             | CAP, END                                                                                          | 1    |
| 5    |           |             | SCREW (with lock washer)                                                                          | 2    |
| 6    |           |             | WASHER                                                                                            | 1    |
| 7    |           |             | SPRING, RETURN                                                                                    | 1    |
| 8    |           |             | SPACER                                                                                            | 1    |
| 9    |           |             | BOLT, SHOULDER                                                                                    | 1    |
| 10   |           |             | BUSHING KIT, POWER BEYOND                                                                         | 1    |
| 11   |           |             | BUSHING, POWER BEYOND                                                                             | 1    |
| 12   |           |             | "O"-RING                                                                                          | 1    |
| 13   |           |             | RING, BACKUP                                                                                      | 1    |
| 14   |           |             | "O"-RING                                                                                          | 1    |
| 15   | 01-207102 |             | HANDLE KIT (Straight handle)                                                                      | A.R. |
| 16   | 01-207105 |             | HANDLE                                                                                            | 1    |
| 17   | 01-098403 |             | PIN, CLEVIS                                                                                       | 1    |
| 18   | 01-207104 |             | "C"-HOOK                                                                                          | 1    |
| 19   | 01-207106 |             | PIN, COTTER                                                                                       | 3    |
| 20   | 218 0880  |             | PIN, PIVOT (For earlier style platform leveling lever.<br>Replaces "C"-hook in handle kit above.) | 1    |
| 21   | 218 0900  |             | SPACER, VALVE PIVOT PIN                                                                           |      |
|      |           |             | (For earlier style vertical platform leveling lever)                                              | 1    |
| 22   | 01-207107 |             | HANDLE KIT (45° angled handle, for later style<br>platform leveling lever.)                       | 1    |
| 23   | 01-207108 |             | HANDLE                                                                                            | 1    |
| 24   | 01-098403 |             | PIN, CLEVIS                                                                                       | 1    |
| 25   | 01-207104 |             | "C"-HOOK                                                                                          | 1    |
| 26   | 01-207106 |             | PIN, COTTER                                                                                       | 3    |

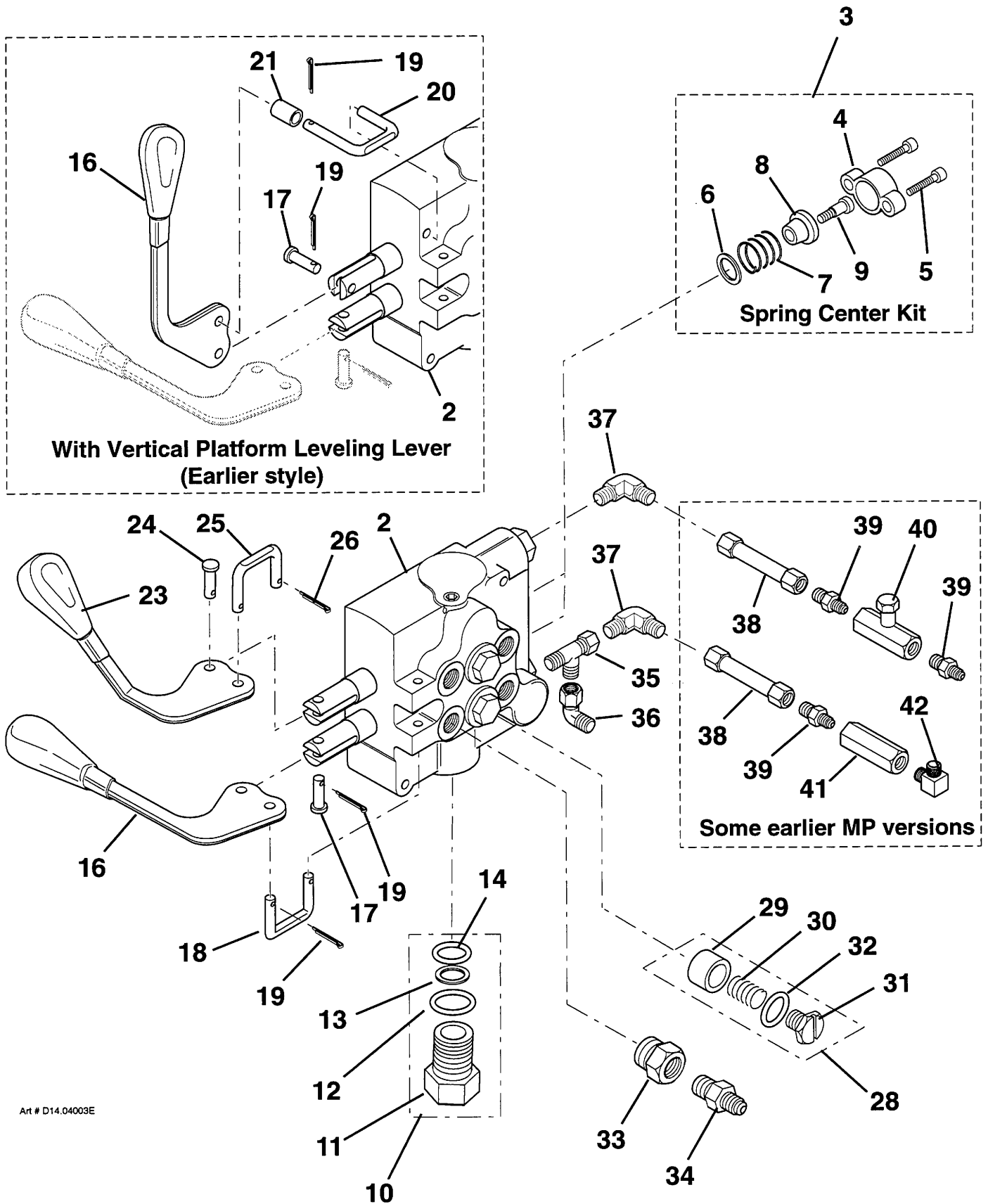
**TITLE** PLATFORM LEVEL AND ROTATE VALVE ASSEMBLY (PLATE 1 OF 2)

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

REV. 29 NOV., 1995

**PART NO.**





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

**SIMON AERIALS INC.**

REV. 29 NOV., 1995

PART  
NO.

PLATE  
NO. D14.04

## PARTS LIST

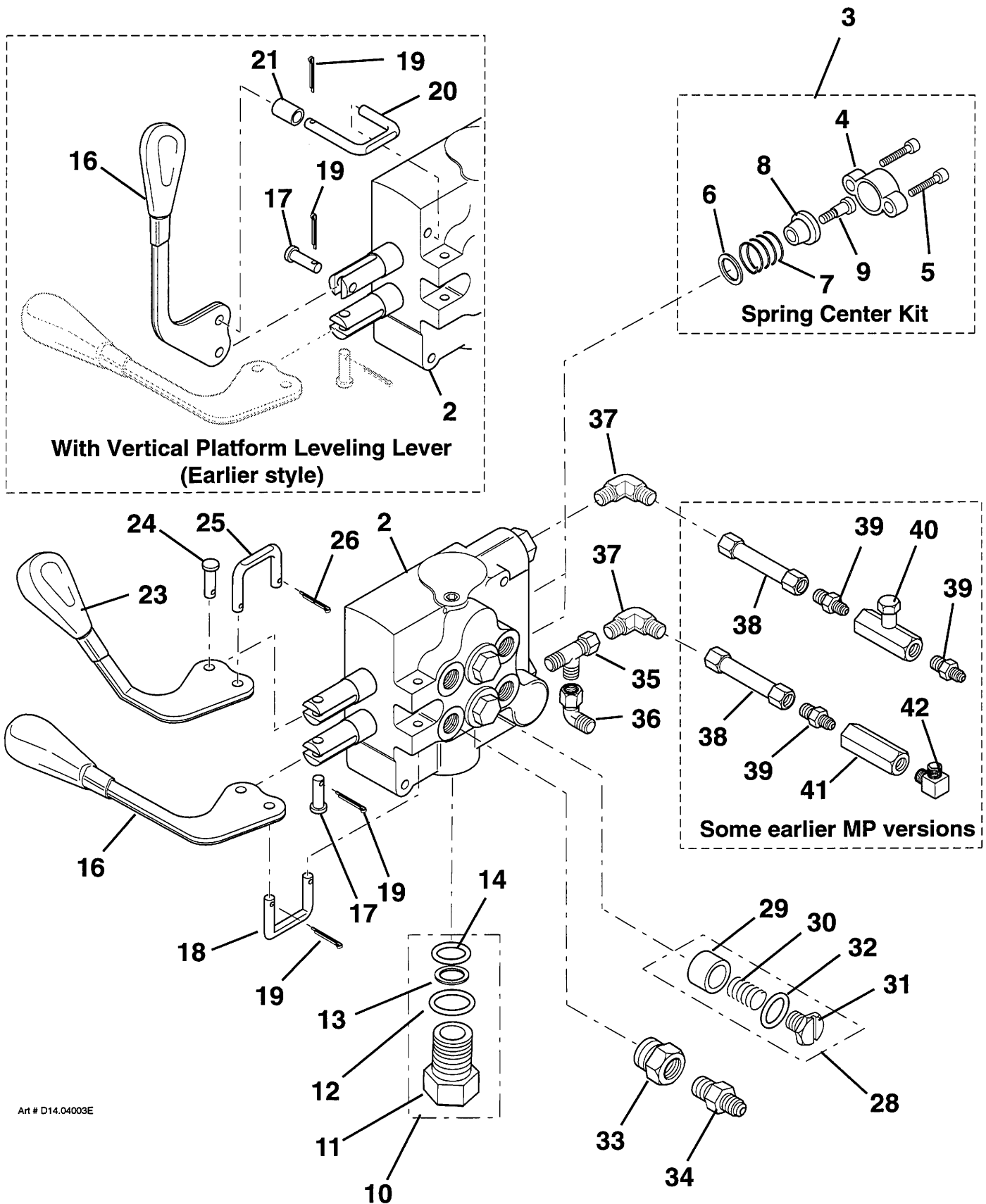
| ITEM | PART NO              | SEE SECTION | DESCRIPTION                                                                                                                                                                            | QTY. |
|------|----------------------|-------------|---------------------------------------------------------------------------------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

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

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

REV. 29 NOV., 1995

**PART NO.**



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

**SIMON AERIALS INC.**

REV. 29 NOV., 1995

**PART  
NO.**

**PLATE  
NO.** D14.04

## PARTS LIST

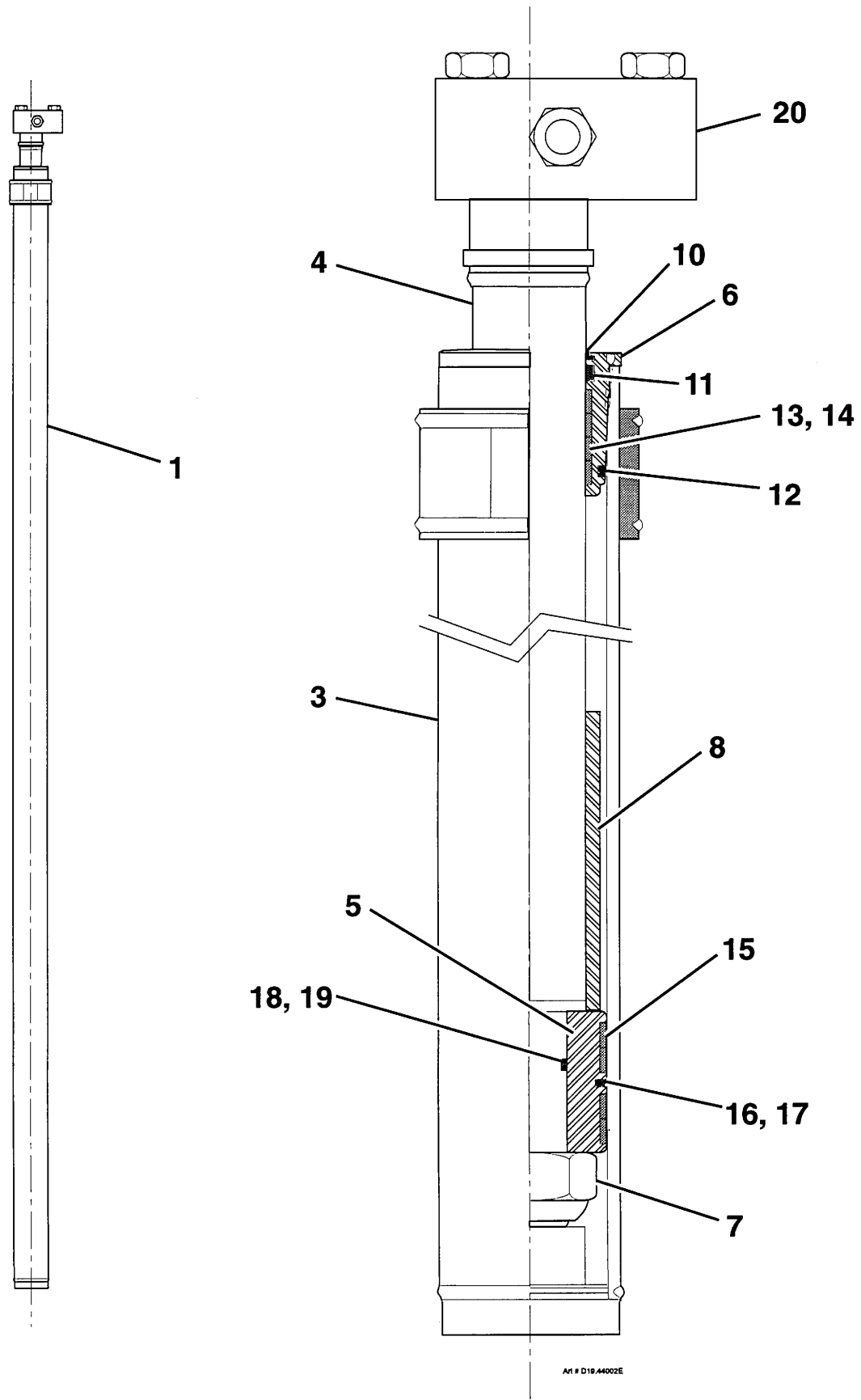
| ITEM | PART NO   | SEE<br>SECTION | DESCRIPTION                                                                                                               | QTY. |
|------|-----------|----------------|---------------------------------------------------------------------------------------------------------------------------|------|
|      |           |                | CYLINDER ASSEMBLY, TELESCOPE                                                                                              | 1    |
| 1    |           |                | CYLINDER, TELESCOPE                                                                                                       | 1    |
| 2    | 04-053600 |                | CYLINDER, TELESCOPE<br>(Cylinder can be identified by Part Number<br>"540-30162SH" on nameplate located on cylinder case) | 1    |
| 3    |           |                | CASE, CYLINDER                                                                                                            | 1    |
| 4    |           |                | ROD, CYLINDER                                                                                                             | 1    |
| 5    |           |                | PISTON                                                                                                                    | 1    |
| 6    |           |                | GLAND, HEAD                                                                                                               | 1    |
| 7    |           |                | NUT, LOCK                                                                                                                 | 1    |
| 8    |           |                | SPACER                                                                                                                    | 4    |
| 9    | 04-053601 |                | SEAL KIT                                                                                                                  | 1    |
| 10   |           |                | WIPER, ROD                                                                                                                | 1    |
| 11   |           |                | SEAL, ROD                                                                                                                 | 1    |
| 12   |           |                | RING, ROD WEAR                                                                                                            | 4    |
| 13   |           |                | "O"-RING                                                                                                                  | 1    |
| 14   |           |                | RING, BACKUP                                                                                                              | 1    |
| 15   |           |                | RING, PISTON WEAR                                                                                                         | 4    |
| 16   |           |                | "O"-RING                                                                                                                  | 1    |
| 17   |           |                | SEAL, PISTON                                                                                                              | 1    |
| 18   |           |                | "O"-RING                                                                                                                  | 1    |
| 19   |           |                | WASHER, BACKUP                                                                                                            | 1    |
| 20   | 04-053602 |                | VALVE BLOCK                                                                                                               | 1    |
| 21   |           |                | CAP SCREW, SOCKET HEAD (1/2"-13 x 3-1/2", Grade 8)                                                                        | 4    |
| 22   |           |                | "O"-RING                                                                                                                  | 2    |
| 23   | 04-053603 |                | VALVE, COUNTERBALANCE (stamped "CAEA-LHN",<br>pre-set to 3000 PSI [206.9 bar] [210.9 Kg/ cm <sup>2</sup> ])               | 1    |
| 24   | 04-053604 |                | VALVE, COUNTERBALANCE (stamped "CACA-LHN",<br>pre-set to 3000 PSI [206.9 bar] [210.9 Kg/ cm <sup>2</sup> ])               | 1    |
|      |           |                |                                                                                                                           |      |
|      |           |                |                                                                                                                           |      |
|      |           |                |                                                                                                                           |      |
|      |           |                |                                                                                                                           |      |
|      |           |                |                                                                                                                           |      |

TITLE TELESCOPE CYLINDER ASSEMBLY (PLATE 1 OF 2)

PLATE NO. D19.44 **SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART NO.



TITLE

TELESCOPE CYLINDER ASSEMBLY (PLATE 1 OF 2)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

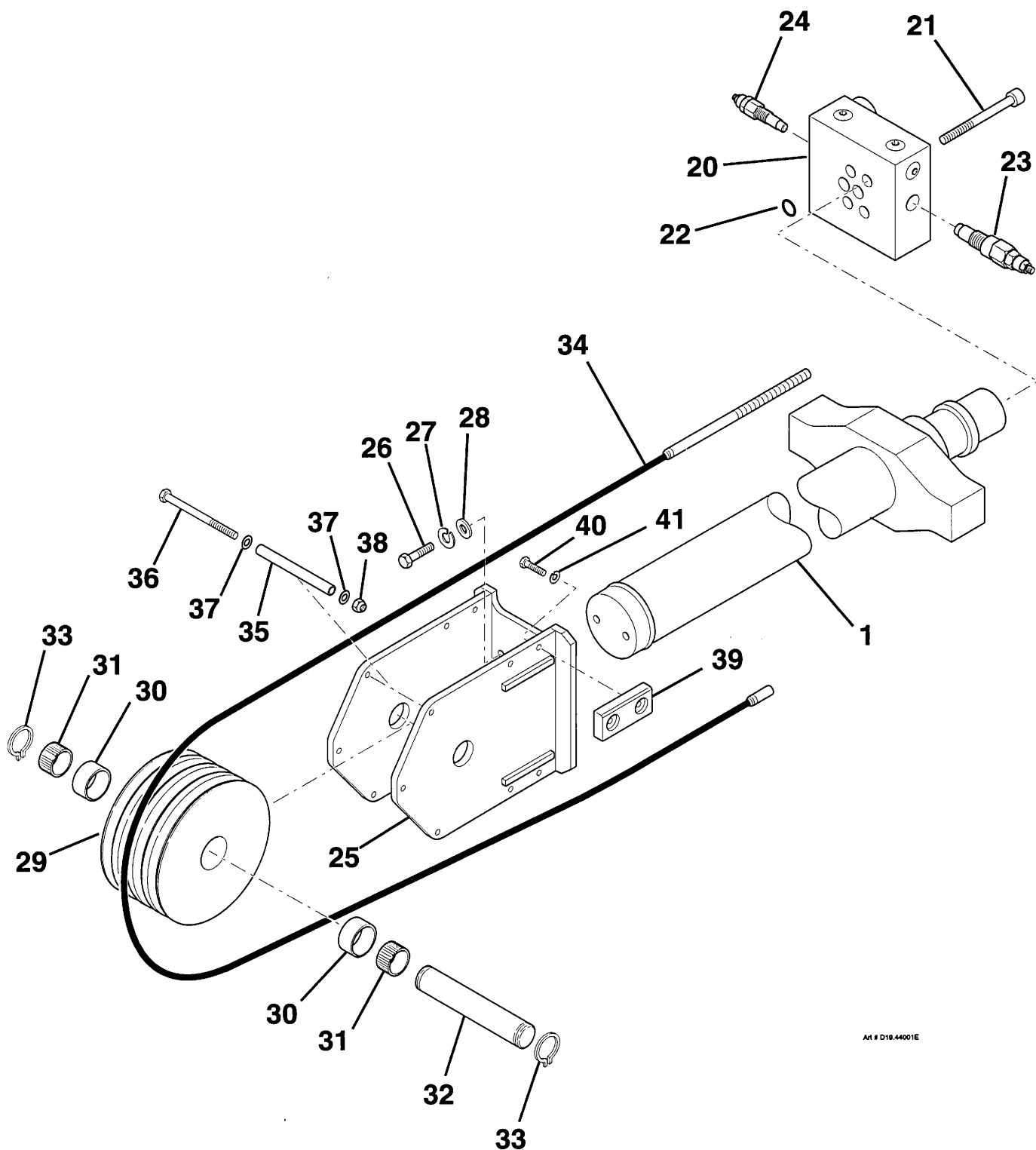
PLATE  
NO. D19.44



[illegible]

|           |        |                    |
|-----------|--------|--------------------|
| PLATE NO. | D19.44 | SIMON AERIALS INC. |
|-----------|--------|--------------------|

PART  
NO.



Art # D19.44001E

TITLE

TELESCOPE CYLINDER ASSEMBLY (PLATE 2 OF 2)

**SIMON AERIALS INC.**

NEW 04 AUG., 1994

PART  
NO.

PLATE  
NO. **D19.44**

## PARTS LIST

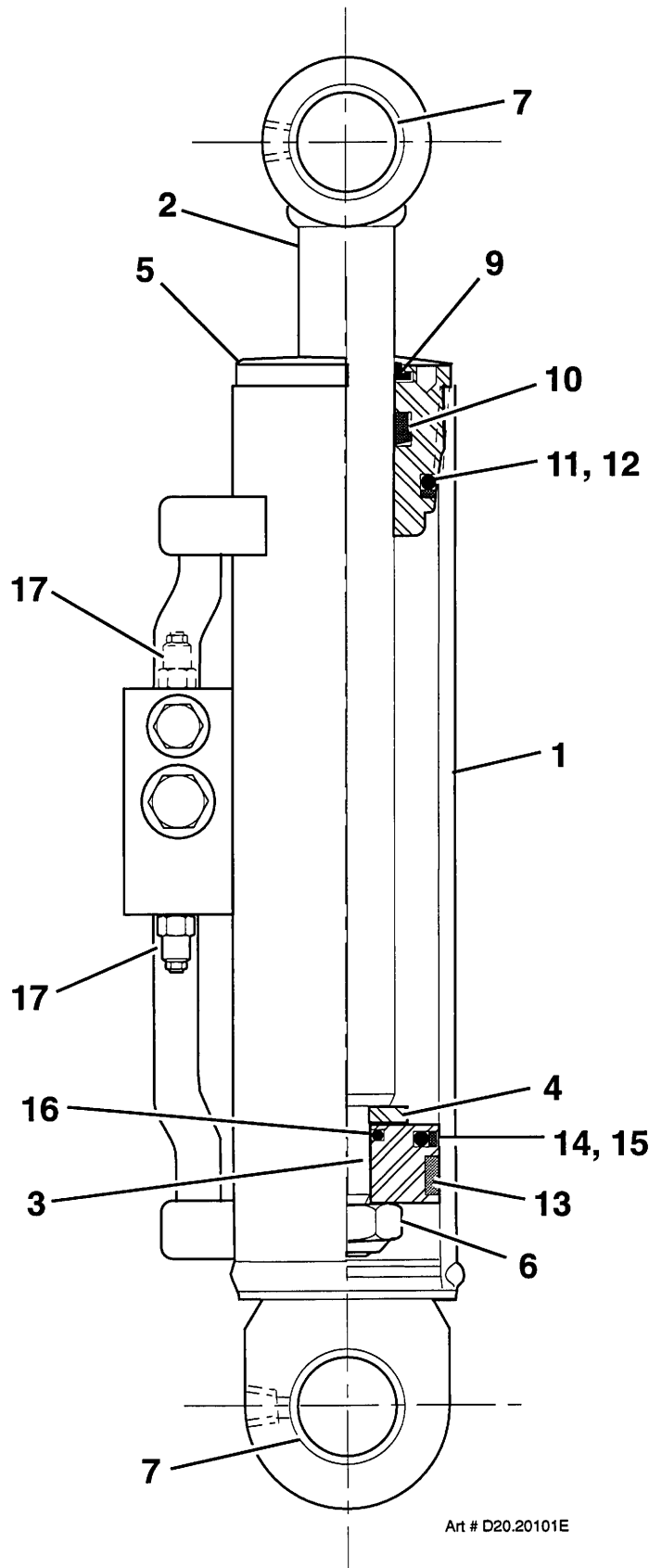
| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                                                                                                                                                                                                                               | QTY. |
|------|-----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|      |           |             | Cylinder can be identified by Part Number "04039000SH" on nameplate located on valve block.                                                                                                                                                                                                                               |      |
| 1    |           |             | CASE, CYLINDER                                                                                                                                                                                                                                                                                                            | 1    |
| 2    |           |             | ROD, CYLINDER                                                                                                                                                                                                                                                                                                             | 1    |
| 3    |           |             | PISTON                                                                                                                                                                                                                                                                                                                    | 1    |
| 4    |           |             | SPACER                                                                                                                                                                                                                                                                                                                    | 1    |
| 5    |           |             | GLAND, HEAD                                                                                                                                                                                                                                                                                                               | 1    |
| 6    |           |             | NUT, LOCK                                                                                                                                                                                                                                                                                                                 | 1    |
| 7    |           |             | BUSHING                                                                                                                                                                                                                                                                                                                   | 4    |
| 8    | 04-039001 |             | SEAL KIT                                                                                                                                                                                                                                                                                                                  | 1    |
| 9    |           |             | WIPER, ROD                                                                                                                                                                                                                                                                                                                | 1    |
| 10   |           |             | SEAL, ROD                                                                                                                                                                                                                                                                                                                 | 1    |
| 11   |           |             | "O"-RING                                                                                                                                                                                                                                                                                                                  | 1    |
| 12   |           |             | RING, BACKUP                                                                                                                                                                                                                                                                                                              | 1    |
| 13   |           |             | RING, PISTON WEAR                                                                                                                                                                                                                                                                                                         | 1    |
| 14   |           |             | "O"-RING                                                                                                                                                                                                                                                                                                                  | 1    |
| 15   |           |             | SEAL, PISTON                                                                                                                                                                                                                                                                                                              | 1    |
| 16   |           |             | "O"-RING                                                                                                                                                                                                                                                                                                                  | 1    |
| 17   | 04-028302 |             | VALVE, COUNTERBALANCE<br>Type 1 (Valve is stamped "CB-CG-LJN")                                                                                                                                                                                                                                                            | 2    |
|      | 01-227200 |             | Type 2 [Valve is stamped "CB-CB-LHN", and set at 3,000 PSI (207 Bar) (211 Kg/ cm <sup>2</sup> )]<br><b>Note:</b> "Type 1" and "Type 2" valves are directly interchangeable, but <b>must be replaced in pairs</b> . When ordering a replacement valve, <b>(2) of "Type 2"</b> will be supplied unless otherwise specified. | 2    |
| 18   | 04-028303 |             | SEAL KIT, COUNTERBALANCE VALVE<br>(for "Type 1" Valve)                                                                                                                                                                                                                                                                    | 1    |
|      | 01-227201 |             | (for "Type 2" Valve)                                                                                                                                                                                                                                                                                                      | 1    |
|      |           |             |                                                                                                                                                                                                                                                                                                                           |      |
|      |           |             |                                                                                                                                                                                                                                                                                                                           |      |
|      |           |             |                                                                                                                                                                                                                                                                                                                           |      |
|      |           |             |                                                                                                                                                                                                                                                                                                                           |      |
|      |           |             |                                                                                                                                                                                                                                                                                                                           |      |

TITLE SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

PLATE NO. D20.201 **SIMON AERIALS INC.**

NEW 22 JUN., 1994

PART NO. 04-039000



Art # D20.20101E

TITLE

SLAVE LEVEL CYLINDER, 7" (17.8 CM) STROKE

**SIMON AERIALS INC.**

NEW 22 JUN., 1994

PART  
NO.

04-039000

PLATE  
NO.

D20.201

## PARTS LIST

[illegible]

TITLE AXLE EXTEND CYLINDER

|           |        |                    |                    |          |
|-----------|--------|--------------------|--------------------|----------|
| PLATE NO. | D22.03 | SIMON AERIALS INC. | REV. 07 JUN., 1994 | PART NO. |
|-----------|--------|--------------------|--------------------|----------|

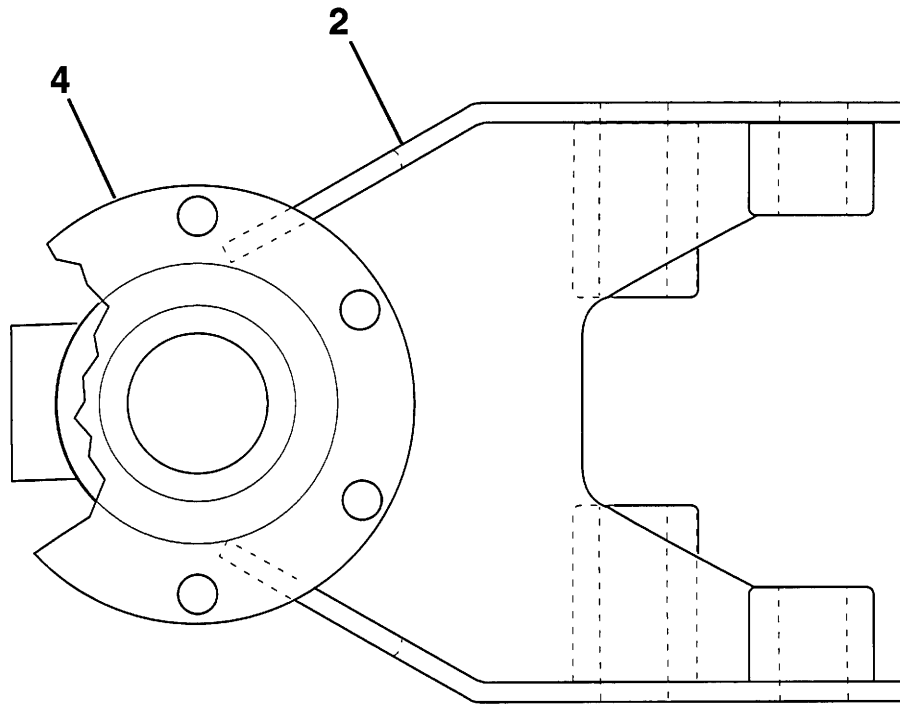
|          |
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| PART NO. |
|----------|



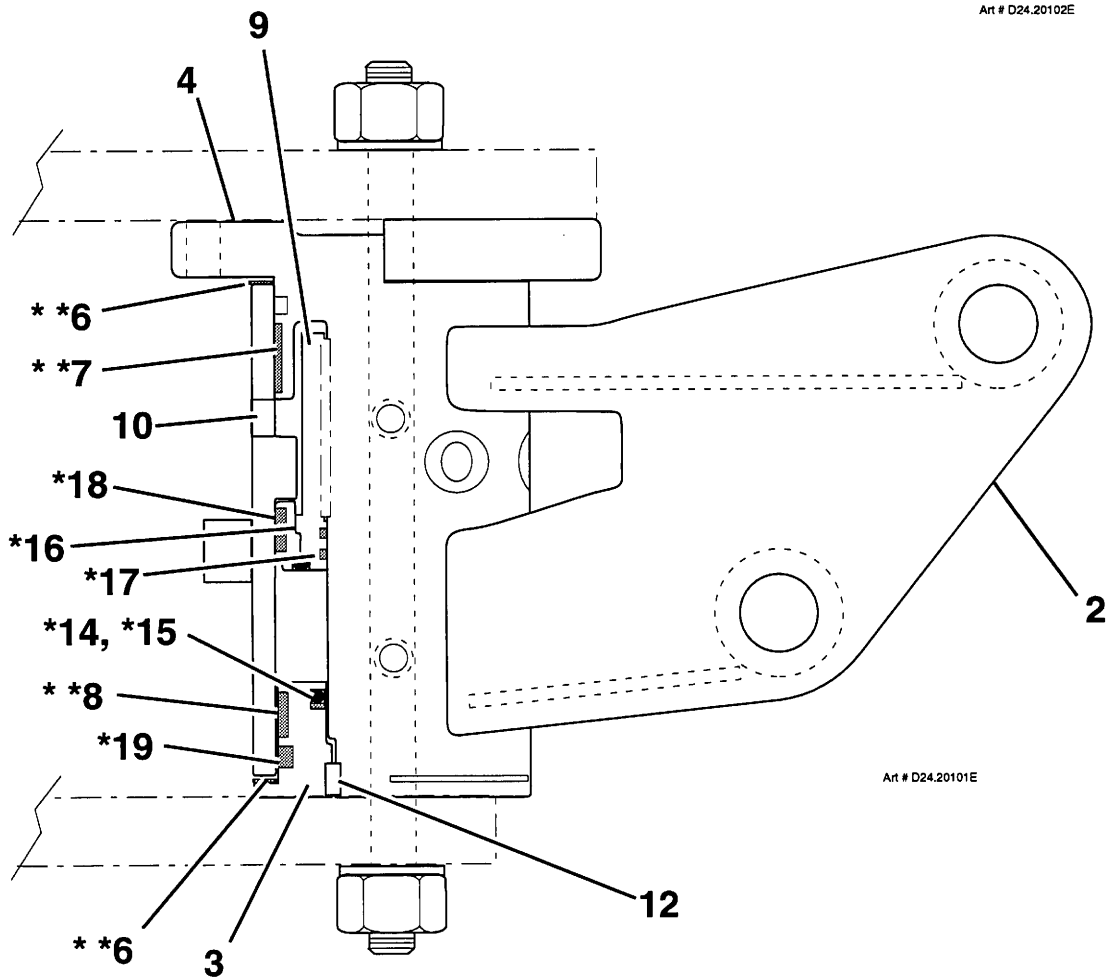


[illegible]

|                   |                    |                   |                    |
|-------------------|--------------------|-------------------|--------------------|
| PLATE NO. D24.201 | SIMON AERIALS INC. | NEW 14 JUL., 1994 | PART NO. 02-042700 |
|-------------------|--------------------|-------------------|--------------------|



Art # D24.20102E



Art # D24.20101E

TITLE

PLATFORM ROTARY ACTUATOR

**SIMON AERIALS INC.**

NEW 14 JUL., 1994

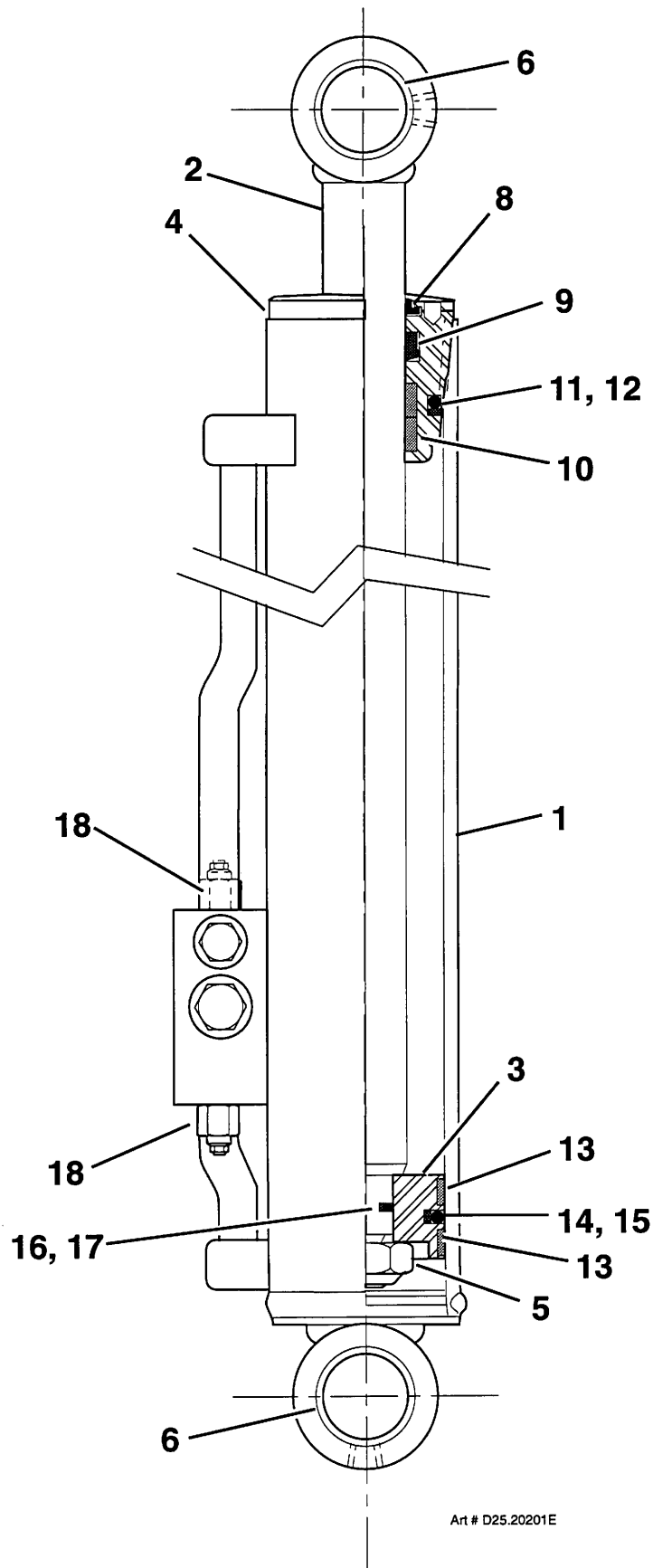
PART  
NO.

02-042700

PLATE  
NO.

D24.201

[illegible]



Art # D25.20201E

TITLE

JIB ARTICULATION CYLINDER, 21.75" (.55 M) STROKE

**SIMON AERIALS INC.**

NEW 22 JUN., 1994

PART  
NO.

04-039600

PLATE  
NO.

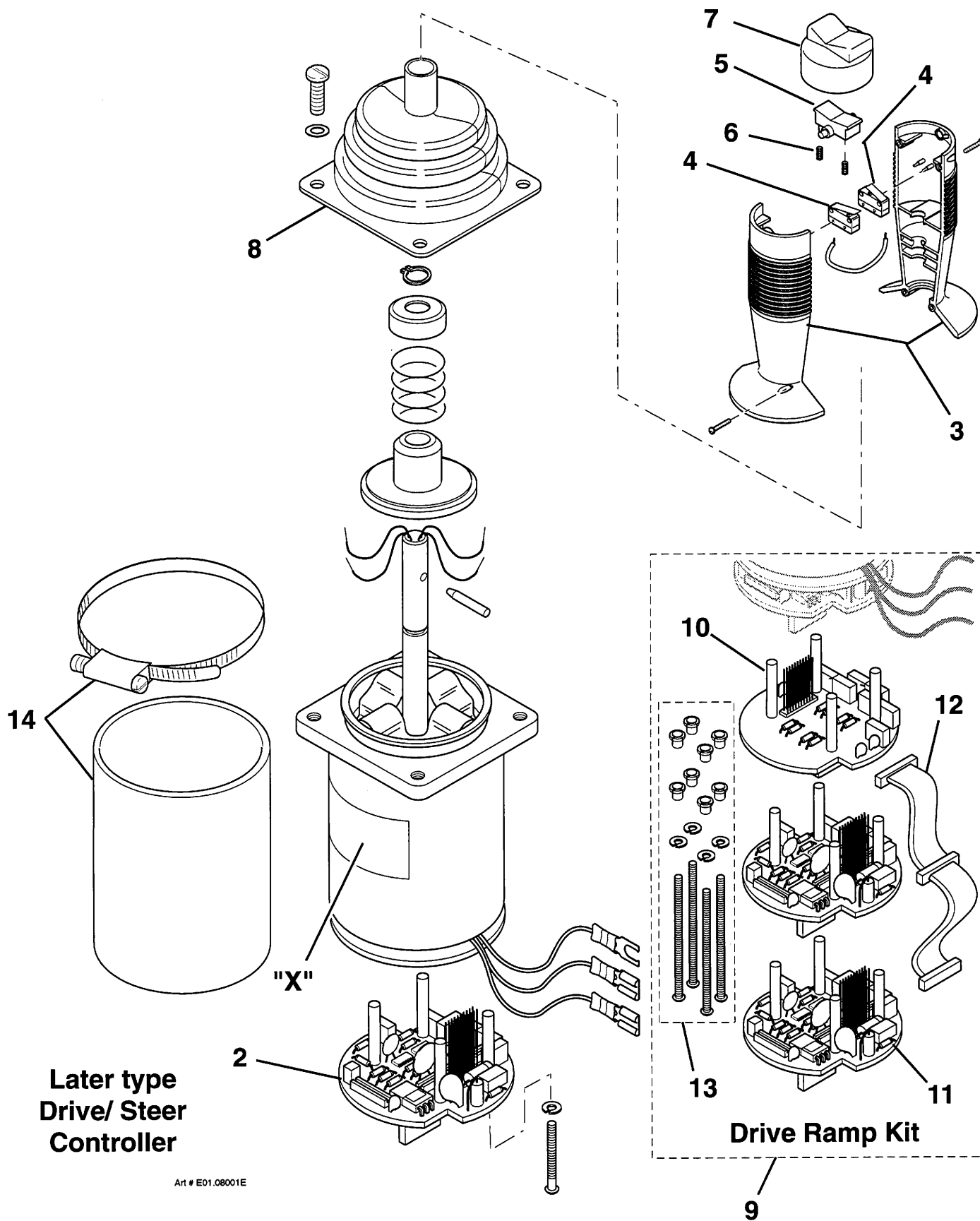
D25.202



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|                                                                |        |                    |                    |
|----------------------------------------------------------------|--------|--------------------|--------------------|
| TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2 |        |                    |                    |
| PLATE NO.                                                      | E01.08 | SIMON AERIALS INC. | REV. 08 AUG., 1994 |
|                                                                |        |                    | PART NO.           |

PART  
NO.



TITLE DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

**SIMON AERIALS INC.**

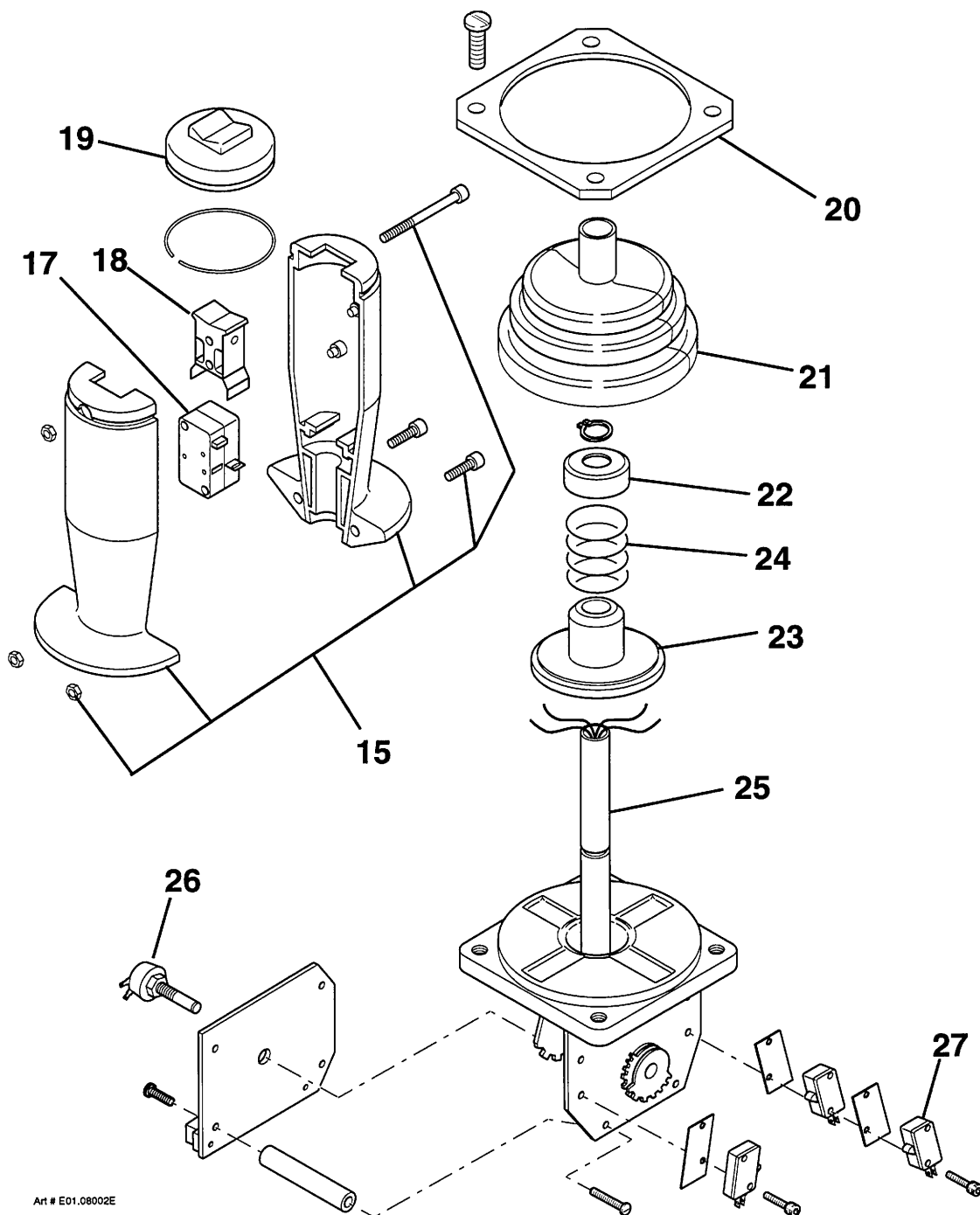
REV. 08 AUG., 1994

PART  
NO.

PLATE  
NO.

**E01.08**

[illegible]PART  
NO.



Art # E01.08002E

**Earlier type  
Drive/ Steer  
Controller**

**TITLE** DRIVE/ STEER CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

**SIMON AERIALS INC.**

REV. 08 AUG., 1994

**PART  
NO.**

**PLATE  
NO.** E01.08



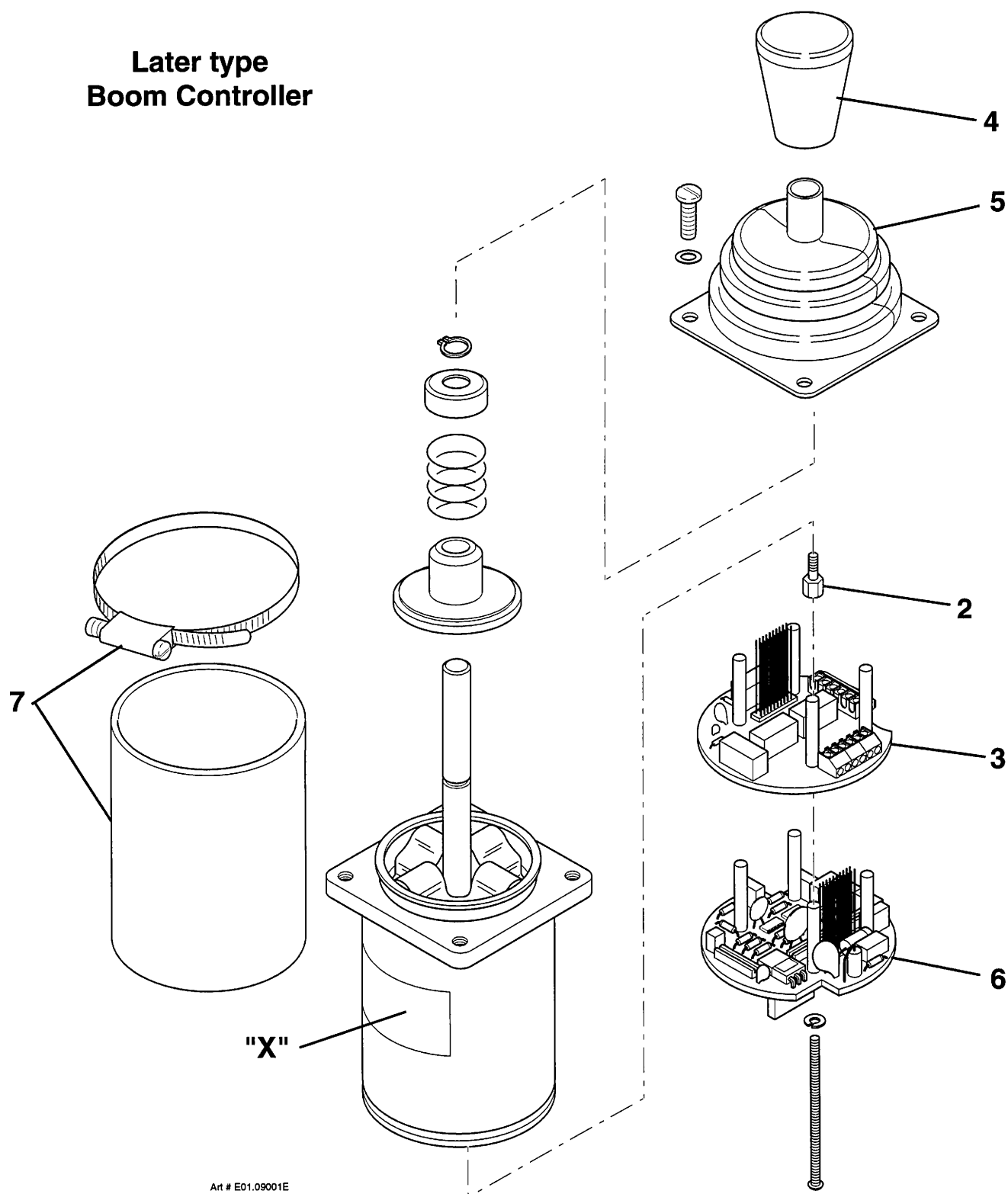
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|                  |                    |
|------------------|--------------------|
| PLATE NO. E01.09 | SIMON AERIALS INC. |
|------------------|--------------------|

PART  
NO.



# Later type Boom Controller



Art # E01.09001E

TITLE BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

**SIMON AERIALS INC.**

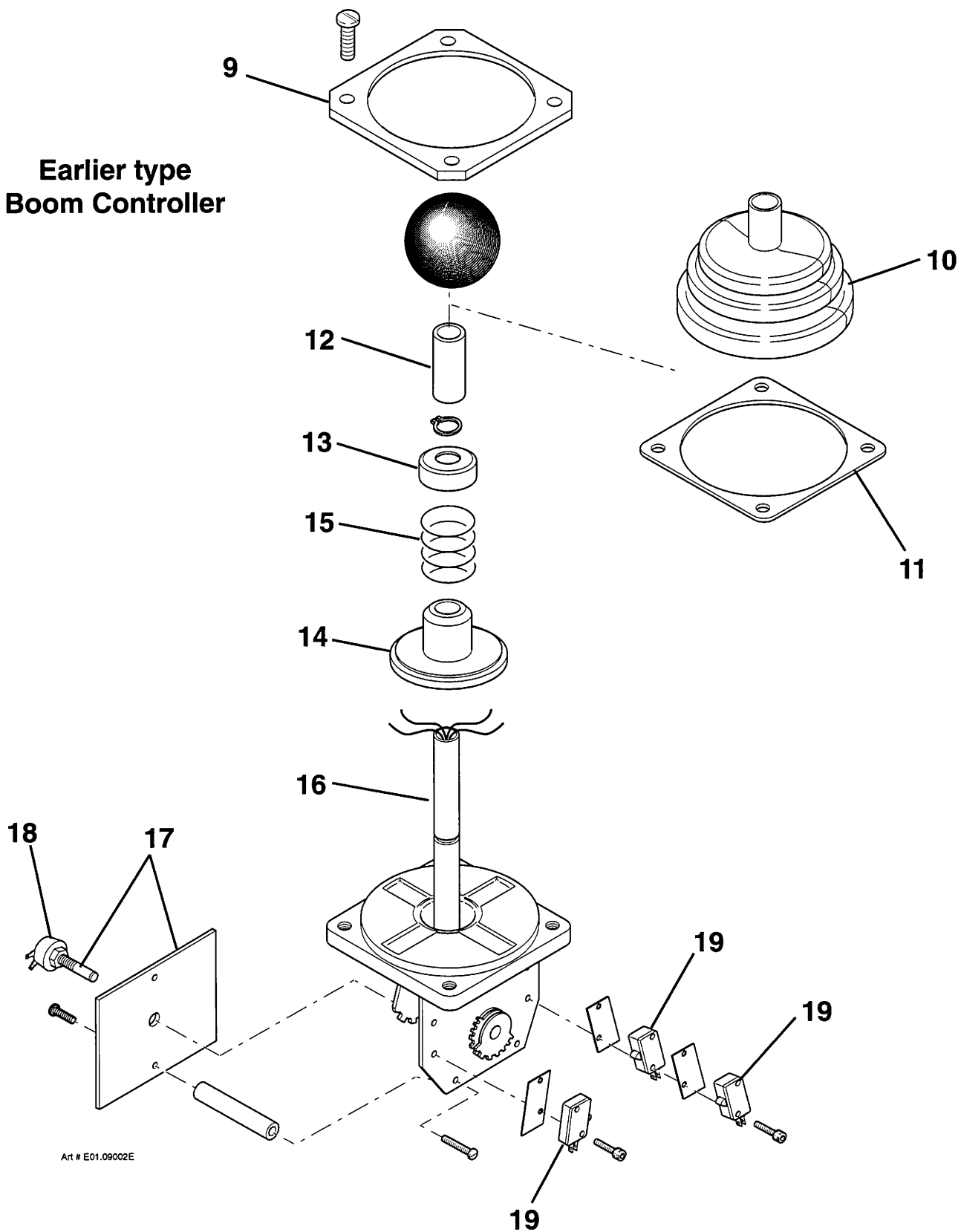
REV. 08 AUG., 1994

PART  
NO.

PLATE  
NO. E01.09

[illegible]PART  
NO.

**Earlier type  
Boom Controller**



**TITLE** BOOM CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2

**SIMON AERIALS INC.**

REV. 08 AUG., 1994

**PART  
NO.**

**PLATE  
NO.** E01.09

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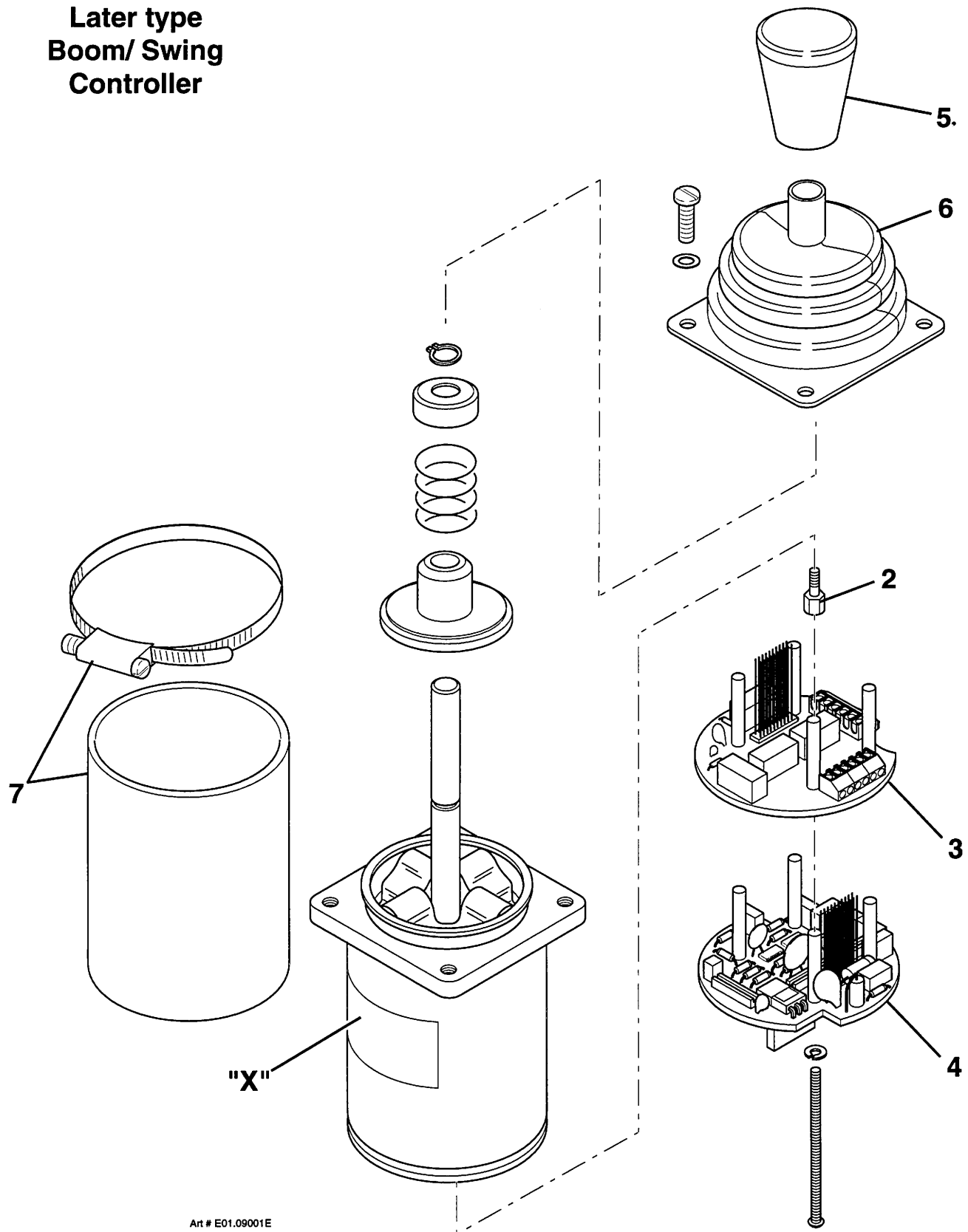
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|---------------------------------------------------------------|--------|--------------------|----------|
| TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2 |        |                    |          |
| PLATE NO.                                                     | E01.10 | SIMON AERIALS INC. | PART NO. |
|                                                               |        | REV. 07 NOV., 1994 |          |

# SIMON AERIALS INC.

REV. 07 NOV. 1994

**PART  
NO.**

**Later type  
Boom/ Swing  
Controller**



Art # E01.09001E

**TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2**

**SIMON AERIALS INC.**

REV. 07 NOV., 1994

**PART  
NO.**

**PLATE  
NO. E01.10**



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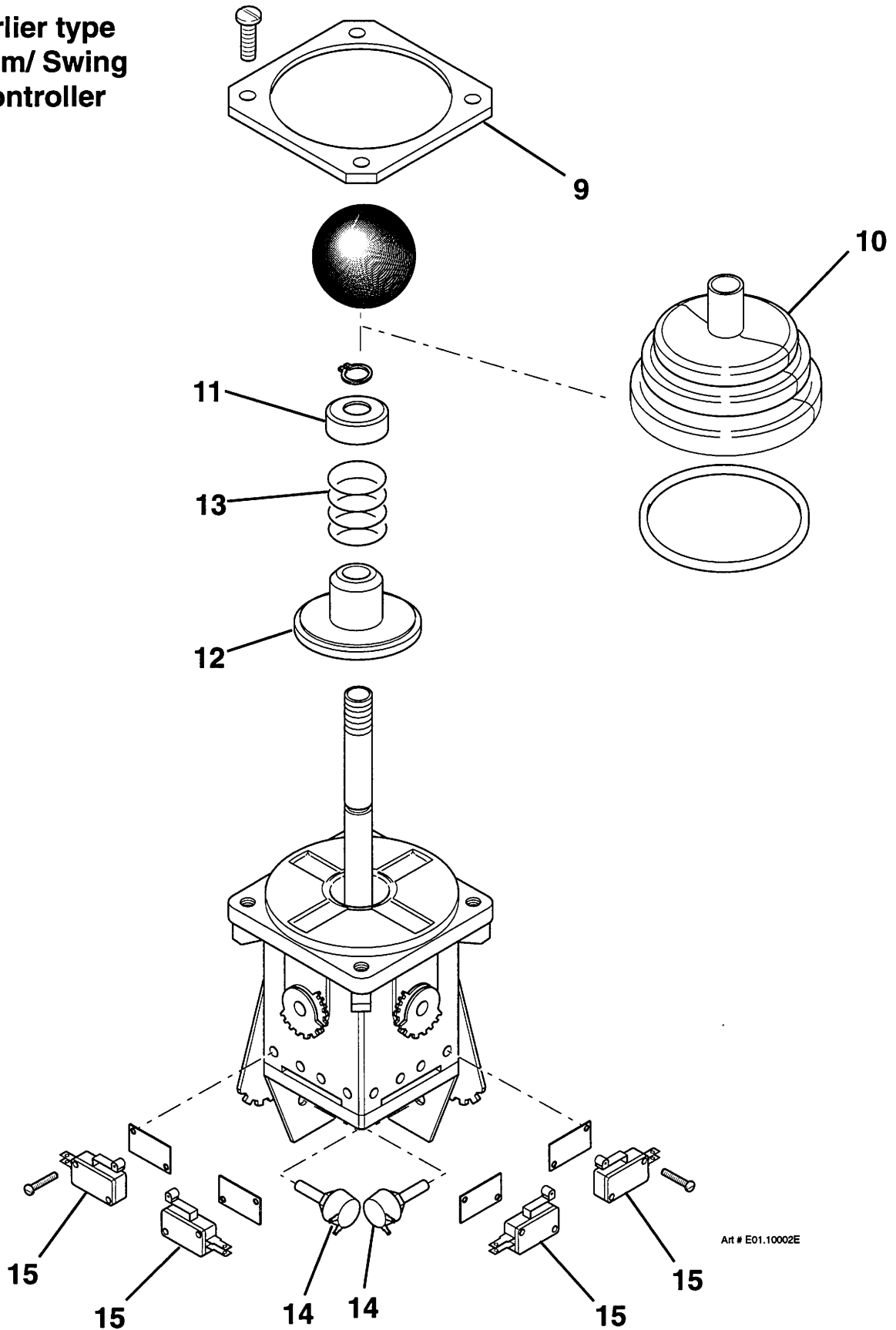
PLATE NO. E01.10

# SIMON AERIALS INC.

REV. 07 NOV., 1994

PART  
NO.

**Earlier type  
Boom/ Swing  
Controller**



Art # E01.10002E

**TITLE BOOM/ SWING CONTROLLER, MP ELECTRO-PROPORTIONAL, TYPE 2**

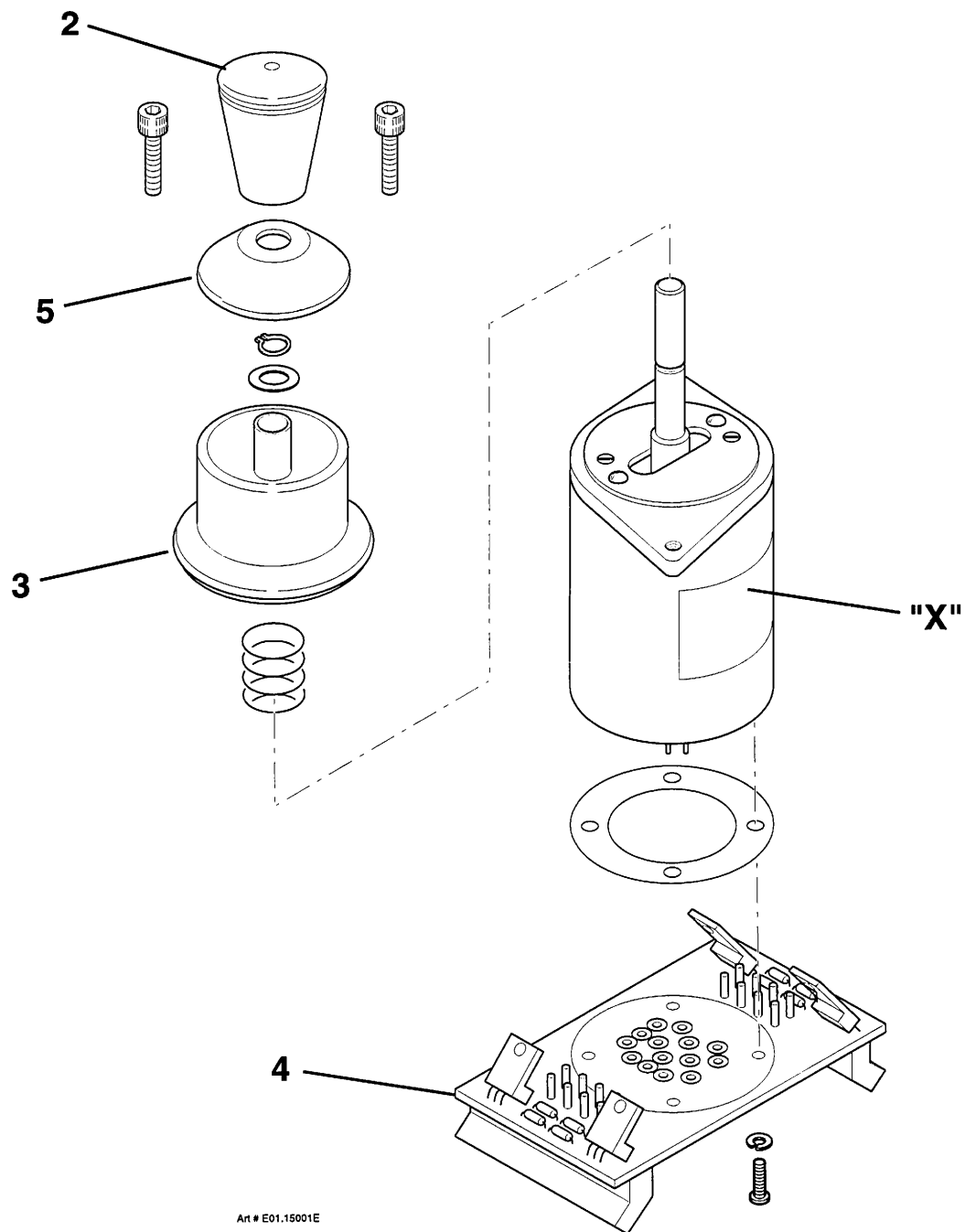
**SIMON AERIALS INC.**

REV. 07 NOV., 1994

**PART  
NO.**

**PLATE  
NO. E01.10**

[illegible]



TITLE

"MINI" JIB BOOM CONTROLLER, RP SERIES

**SIMON AERIALS INC.**

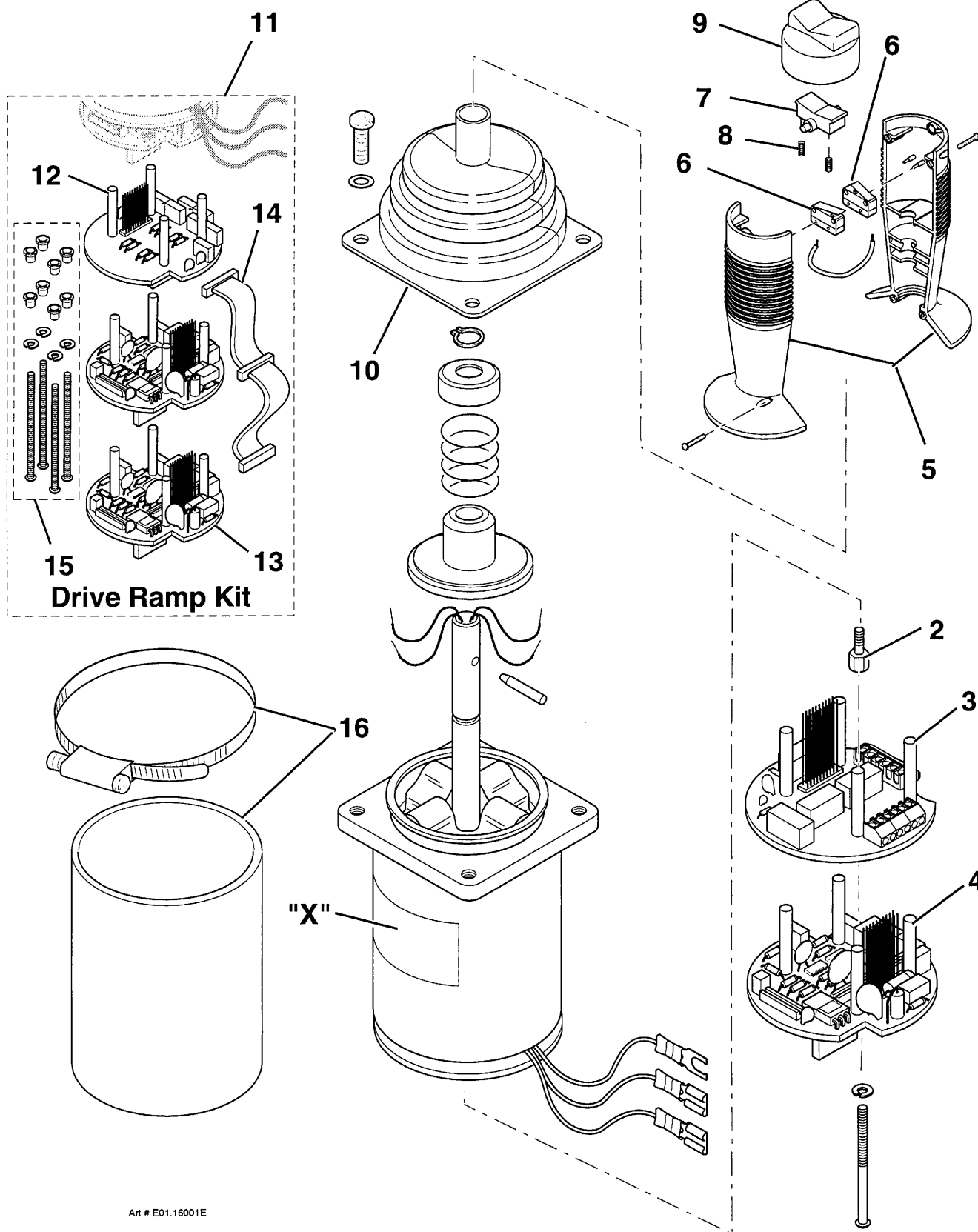
NEW 14 JUL., 1994

PART NO. 03-704700

PLATE NO. E01.15

| ITEM      | PART NO   | SEE SECTION     |                                                                   |
|-----------|-----------|-----------------|-------------------------------------------------------------------|
| 1         | 03-735200 |                 | CONTROL<br>(12 Volt,<br>(Identifie<br><b>Note:</b> S<br>but these |
| 2         | 03-495500 |                 | SPACE                                                             |
| 3         | 03-493600 |                 | SWITC                                                             |
| 4         | 03-491003 |                 | BOARD                                                             |
| 5         | 03-491204 |                 | HANDL                                                             |
| 6         | 03-491205 |                 | MICRO                                                             |
| 7         | 03-491202 |                 | ROCKI                                                             |
| 8         |           |                 | SPRIN                                                             |
| 9         | 03-491201 |                 | BOOT,                                                             |
| 10        | 03-491001 |                 | BOOT,                                                             |
|           |           |                 | The follow<br>03-735200                                           |
| 11        | 03-702100 |                 | RAMP KIT                                                          |
| 12        | 03-494800 |                 | RAMP                                                              |
| 13        | 03-494900 |                 | DRIVE                                                             |
| 14        | 03-495300 |                 | CABLE                                                             |
| 15        | 03-702200 |                 | MOUN                                                              |
| 16        | 03-499500 |                 | COVER K                                                           |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
|           |           |                 |                                                                   |
| TITLE     |           | DRIVE/ STEER CO |                                                                   |
| PLATE NO. | E01.16    | SIMON AERIAL    |                                                                   |





Art # E01.16001E

**TITLE** DRIVE/ STEER CONTROLLER, RP 46, RP 66, RP 120

**SIMON AERIALS INC.**

NEW 01 FEB., 1996

**PART  
NO.**

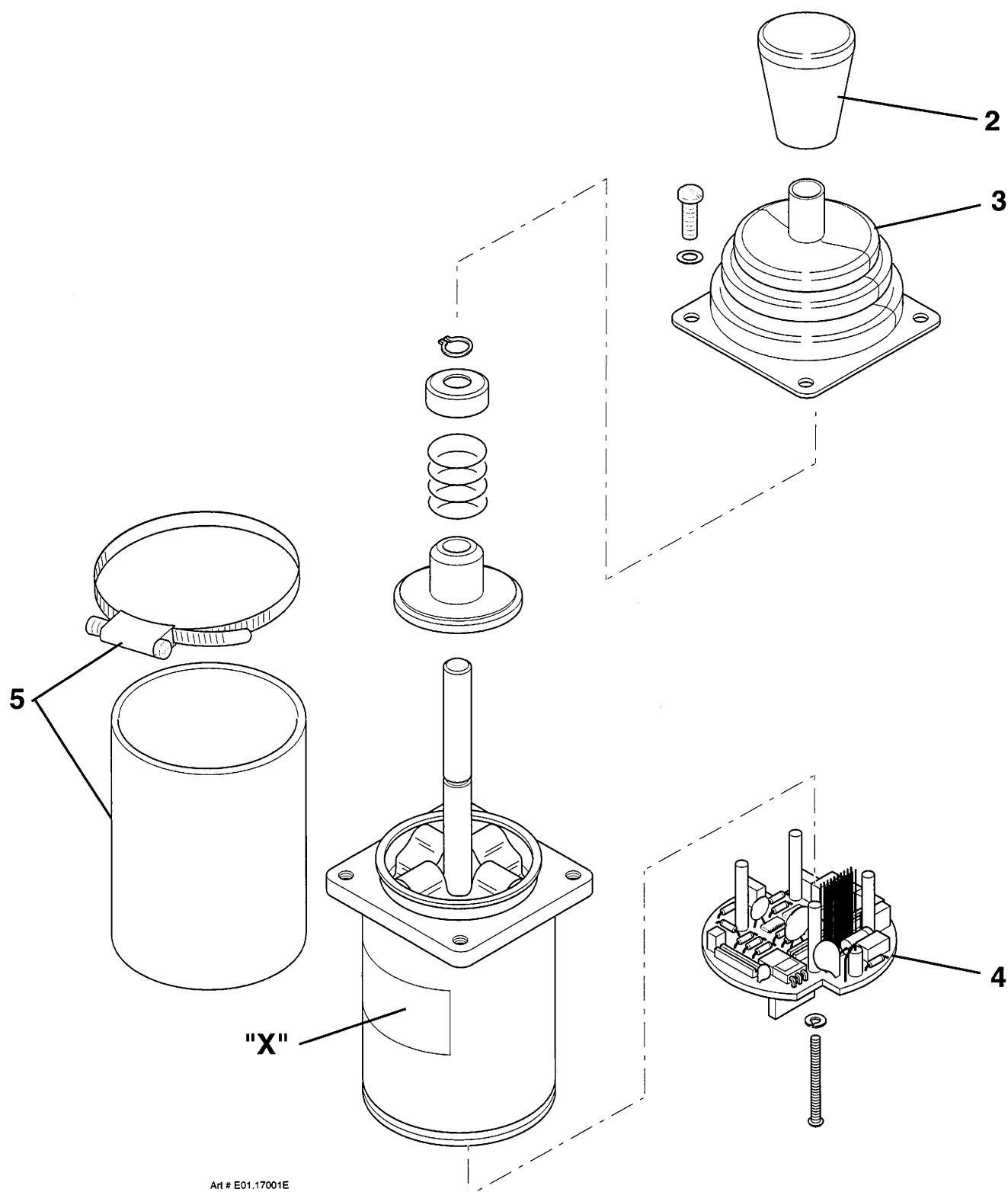
**PLATE  
NO.** E01.16

[illegible]

## E01.17

NEW 01 FEB., 1996

PART  
NO.



TITLE BOOM TELESCOPE CONTROLLER, RP 46, RP 66, RP 120

**SIMON AERIALS INC.**

NEW 01 FEB., 1996

PART  
NO.

PLATE  
NO. E01.17

## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                                | QTY. |
|------|-----------|-------------|------------------------------------------------------------------------------------------------------------|------|
| 1    | 353 5050  |             | PLATFORM WORK LIGHT PACKAGE                                                                                | 1    |
| 2    | 03-037900 |             | LAMP, TRUCK (12 Volt DC)<br>(includes #4411 flood lamp bulb)                                               | 2    |
| 3    | 03-037902 |             | LAMP, FLOOD (Sealed beam replacement bulb)<br>(#4411, 12 Volt DC) (See Item 15 for Spot lamp bulb)         |      |
| 4    | 210 7370  |             | BRACKET, WORK LIGHT MOUNTING                                                                               | 2    |
| 5    | 10-069600 |             | CLAMP, TUBE (1-1/4" O.D.)                                                                                  | 2    |
| 6    | 03-064800 |             | GROMMET (Plastic)                                                                                          | 2    |
| 7    | 03-087500 |             | WIRE, ELECTRICAL (#16 AWG, Blue, stranded)<br>(Bulk item, order as needed. 8 Ft [2.4 M] needed here)       | A.R. |
| 8    | 03-092300 |             | COUPLING, INSULATED<br>(Female, Blue nylon, #14-16 AWG)                                                    | 2    |
| 9    | 03-094800 |             | TERMINAL, RING (Blue, #14-16 AWG, 3/8" stud)                                                               | 2    |
| 10   | 03-408800 |             | TUBING, HEAT SHRINK (Black, 1/4")<br>(Bulk item, order as needed. 4 Ft [1.2 M] needed here)                | A.R. |
| 11   | 03-064000 |             | TIE, CABLE (7.4" [188 mm] long)                                                                            | 6    |
| 12   | 03-499700 |             | BREAKER, CIRCUIT (15 Amp)                                                                                  | 1    |
| 13   | 01-037400 |             | "O"-RING (.351" I.D., .072" thick)                                                                         | 1    |
| 14   | 03-499800 |             | SEAL, CIRCUIT BREAKER BUTTON                                                                               | 1    |
| 15   | 03-037901 |             | LAMP, SPOT (Sealed beam replacement bulb)<br>(#H7604, 12 Volt DC, Halogen) (See Item 3 for Flood lamp)     | 1    |
| 16   | 353 5010  |             | LIGHT PACKAGE (includes lamps for platform control panel,<br>ground control panel, and engine compartment) | 1    |
| 17   | 03-038800 |             | LAMP, CONTROL PANEL (hooded)                                                                               | 2    |
| 18   | 03-418600 |             | BULB, PANEL LAMP (#68, 12 Volt DC)                                                                         | 1    |
| 19   | 03-035500 |             | LAMP, DOME (Engine compartment)                                                                            | 1    |
| 20   | No Part # |             | BULB, DOME LAMP (#93, 12 Volt DC)                                                                          | 1    |
| 21   | 03-087500 |             | WIRE, ELECTRICAL (#16 AWG, Blue, stranded)<br>(Bulk item, order as needed. 6 Ft [1.8 M] needed here)       | A.R. |
| 22   | 03-092200 |             | COUPLING, INSULATED<br>(Male, Blue nylon, #14-16 AWG)                                                      | 2    |
| 23   | 03-092300 |             | COUPLING, INSULATED<br>(Female, Blue nylon, #14-16 AWG)                                                    | 2    |
| 24   | 03-099000 |             | CONNECTOR, BUTT (Blue, #14-16 AWG)                                                                         | 2    |
| 25   | 07-090100 |             | MACHINE SCREW, ROUND HEAD (#10-32 x 3/4")                                                                  | 6    |
| 26   | 07-062009 |             | WASHER, FLAT (#8)                                                                                          | 6    |
| 27   | 07-050111 |             | NUT, LOCK (#10-32, Grade 2, with Nylon insert)                                                             | 6    |

TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

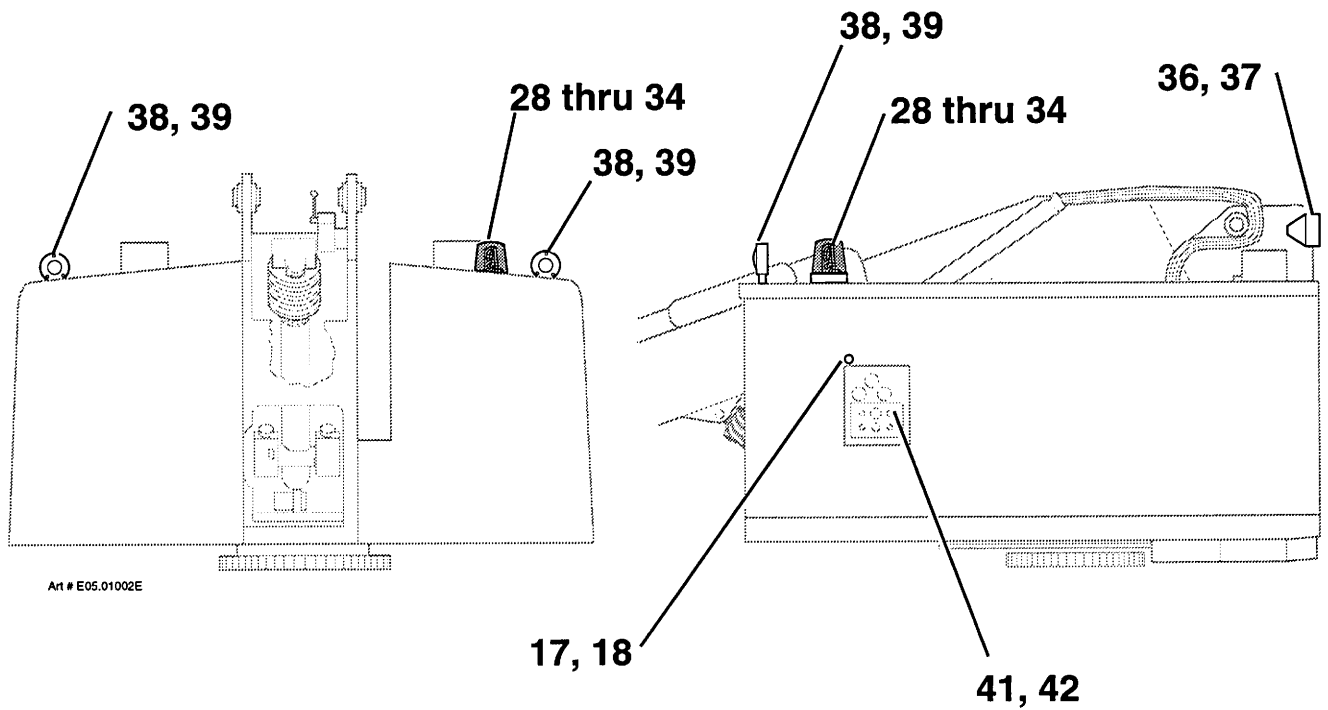
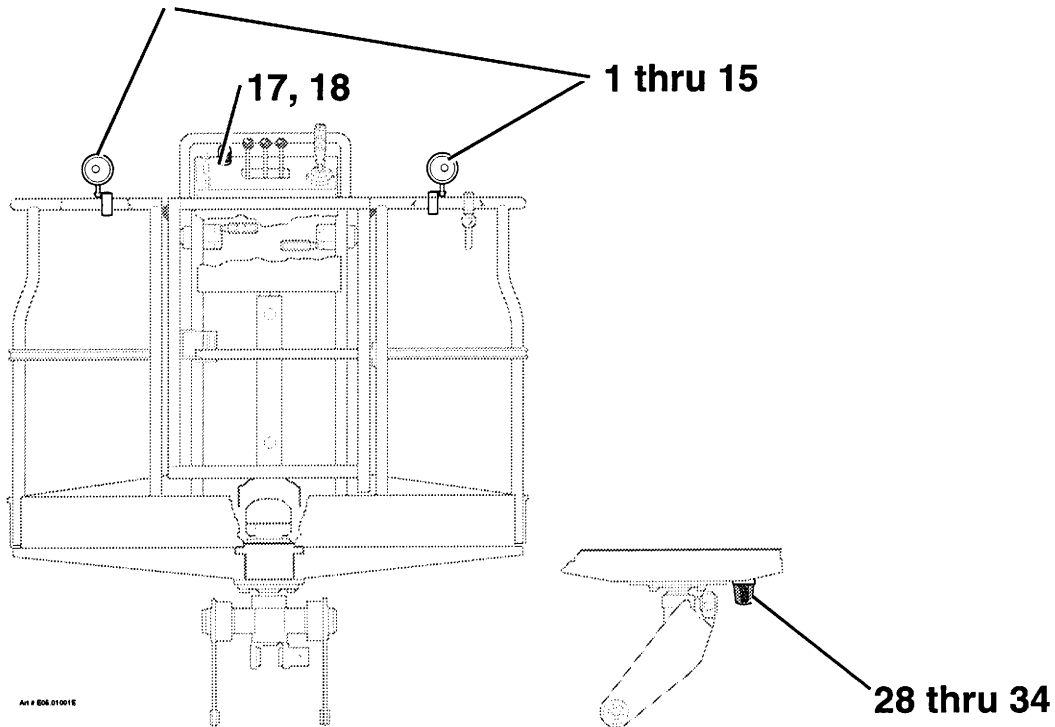
PLATE NO.

E05.01

**SIMON AERIALS INC.**

REV. 09 NOV., 1994

PART NO.



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 1 OF 2)

**SIMON AERIALS INC.**

REV. 09 NOV., 1994

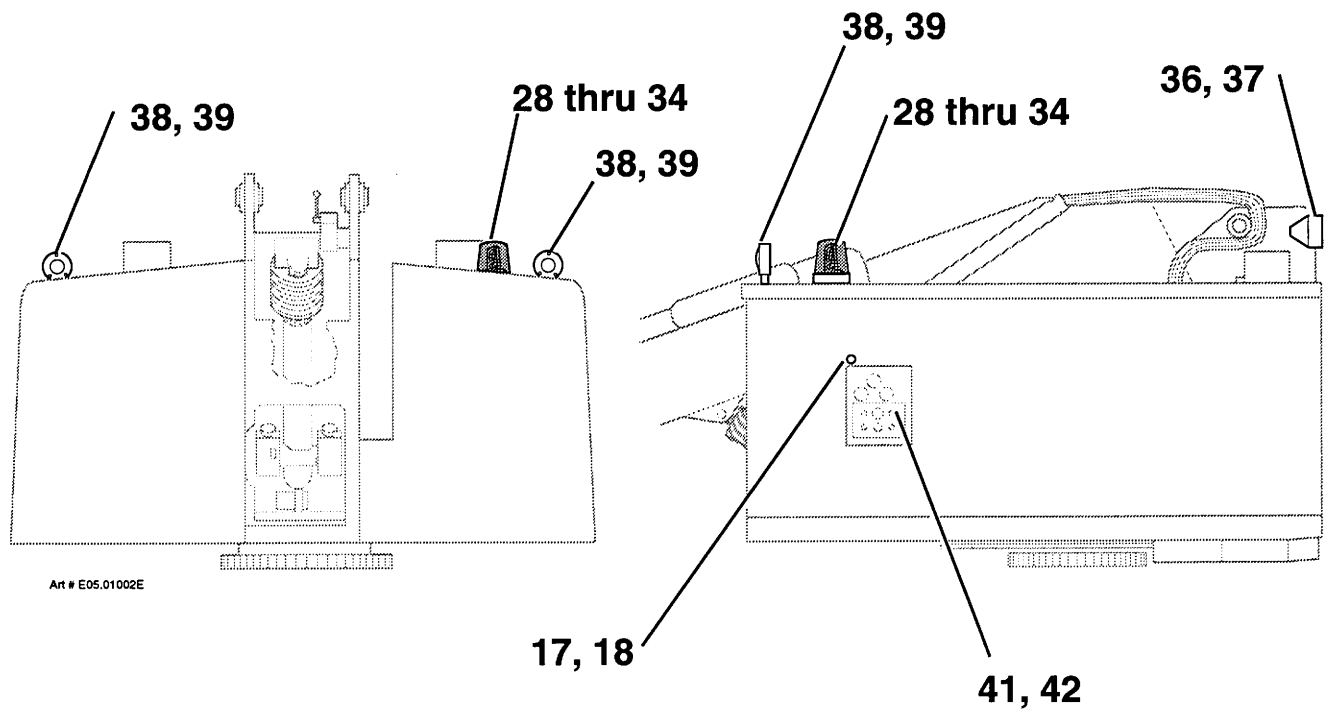
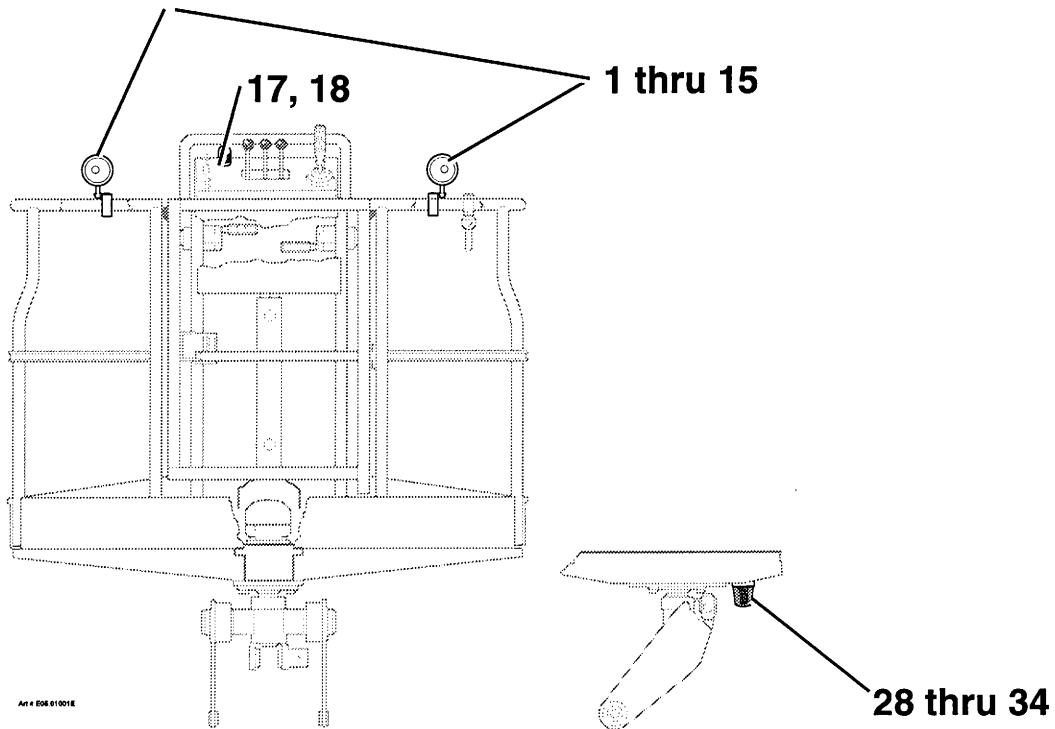
PART  
NO.

PLATE  
NO.

**E05.01**



| PARTS LIST                                   |           |                    |                                                                            |          |
|----------------------------------------------|-----------|--------------------|----------------------------------------------------------------------------|----------|
| ITEM                                         | PART NO   | SEE SECTION        | DESCRIPTION                                                                | QTY.     |
| 28                                           | 353 5030  |                    | ROTARY BEACON PACKAGE (Amber)                                              | 1        |
| 29                                           | 03-030600 |                    | BEACON, ROTARY (Amber, 12 Volt DC)                                         | 1        |
| 30                                           | 03-030601 |                    | LENS, ROTARY BEACON (Amber)                                                | 1        |
| 31                                           | No Part # |                    | BULB, ROTARY BEACON (#1156, 12 Volt DC)                                    | 1        |
| 32                                           | 03-064800 |                    | GROMMET (Plastic)                                                          | 1        |
| 33                                           | 03-087500 |                    | WIRE, ELECTRICAL (#16 AWG, Blue, stranded)                                 |          |
|                                              |           |                    | (Bulk item, order as needed. 3 Ft [.91 M] needed here)                     | A.R.     |
| 34                                           | 03-092200 |                    | COUPLING, INSULATED                                                        |          |
|                                              |           |                    | (Male, Blue nylon, #14-16 AWG)                                             | 1        |
| 35                                           | 353 5040  |                    | HEAD AND TAIL LIGHT PACKAGE                                                | 1        |
| 36                                           | 03-038000 |                    | HEADLAMP (Sealed beam)                                                     | 2        |
| 37                                           | No Part # |                    | BULB, HEADLAMP (Sealed beam replacement bulb)                              |          |
|                                              |           |                    | (#H 7609, 12 Volt DC, Halogen) (Also see Item 52)                          | 1        |
| 38                                           | 03-031200 |                    | TAIL LAMP                                                                  | 2        |
| 39                                           | No Part # |                    | BULB, TAIL LAMP (#1157, 12 Volt DC)                                        | 1        |
| 40                                           | 03-020400 |                    | SWITCH, TOGGLE (2 position, maintained contact, single pole, single throw) | 1        |
| 41                                           | 03-037500 |                    | SOCKET, RELAY (Double pole, snap mount)                                    | 1        |
| 42                                           | 03-050100 |                    | RELAY, PLUG IN (12 Volt DC, double pole)                                   | 1        |
| 43                                           | 03-085200 |                    | CABLE, ELECTRICAL (Type SJO, 2 cond., #16 AWG)                             |          |
|                                              |           |                    | (Bulk item, order as needed. 20 Ft [6.1 M] needed here)                    | A.R.     |
| 44                                           | 03-087500 |                    | WIRE, ELECTRICAL (#16 AWG, Blue, stranded)                                 |          |
|                                              |           |                    | (Bulk item, order as needed. 6 Ft [1.8 M] needed here)                     | A.R.     |
| 45                                           | 03-092200 |                    | COUPLING, INSULATED                                                        |          |
|                                              |           |                    | (Male, Blue nylon, #14-16 AWG)                                             | 12       |
| 46                                           | 03-092300 |                    | COUPLING, INSULATED                                                        |          |
|                                              |           |                    | (Female, Blue nylon, #14-16 AWG)                                           | 12       |
| 47                                           | 07-031001 |                    | STUD, WELD (1/4"-20 x 3/4")                                                | 28       |
| 48                                           | 07-050014 |                    | NUT, LOCK (1/4"-20, Grade 5)                                               | 28       |
| 49                                           | 07-062015 |                    | WASHER, FLAT (5/16")                                                       | 28       |
| 50                                           | 10-060600 |                    | CLAMP, LOOP (3/8")                                                         | 28       |
| 51                                           | 03-497900 |                    | SEAL, PANEL (for headlamp toggle switch)                                   | 1        |
| 52                                           | No Part # |                    | BULB, HEADLAMP (Sealed beam replacement bulb)                              |          |
|                                              |           |                    | (#4419, 12 Volt DC) (Also see Item 37)                                     | 1        |
| 53                                           | 03-046400 |                    | TURN SIGNAL                                                                | 1        |
| 54                                           | 03-031300 |                    | LAMP, MARKER (12 Volt DC)                                                  | 1        |
|                                              |           |                    |                                                                            |          |
| TITLE OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2) |           |                    |                                                                            |          |
| PLATE NO.                                    | E05.01    | SIMON AERIALS INC. |                                                                            | PART NO. |
|                                              |           | REV. 09 NOV., 1994 |                                                                            |          |



TITLE

OPTIONAL LIGHT PACKAGES (PLATE 2 OF 2)

**SIMON AERIALS INC.**

REV. 09 NOV., 1994

PART  
NO.

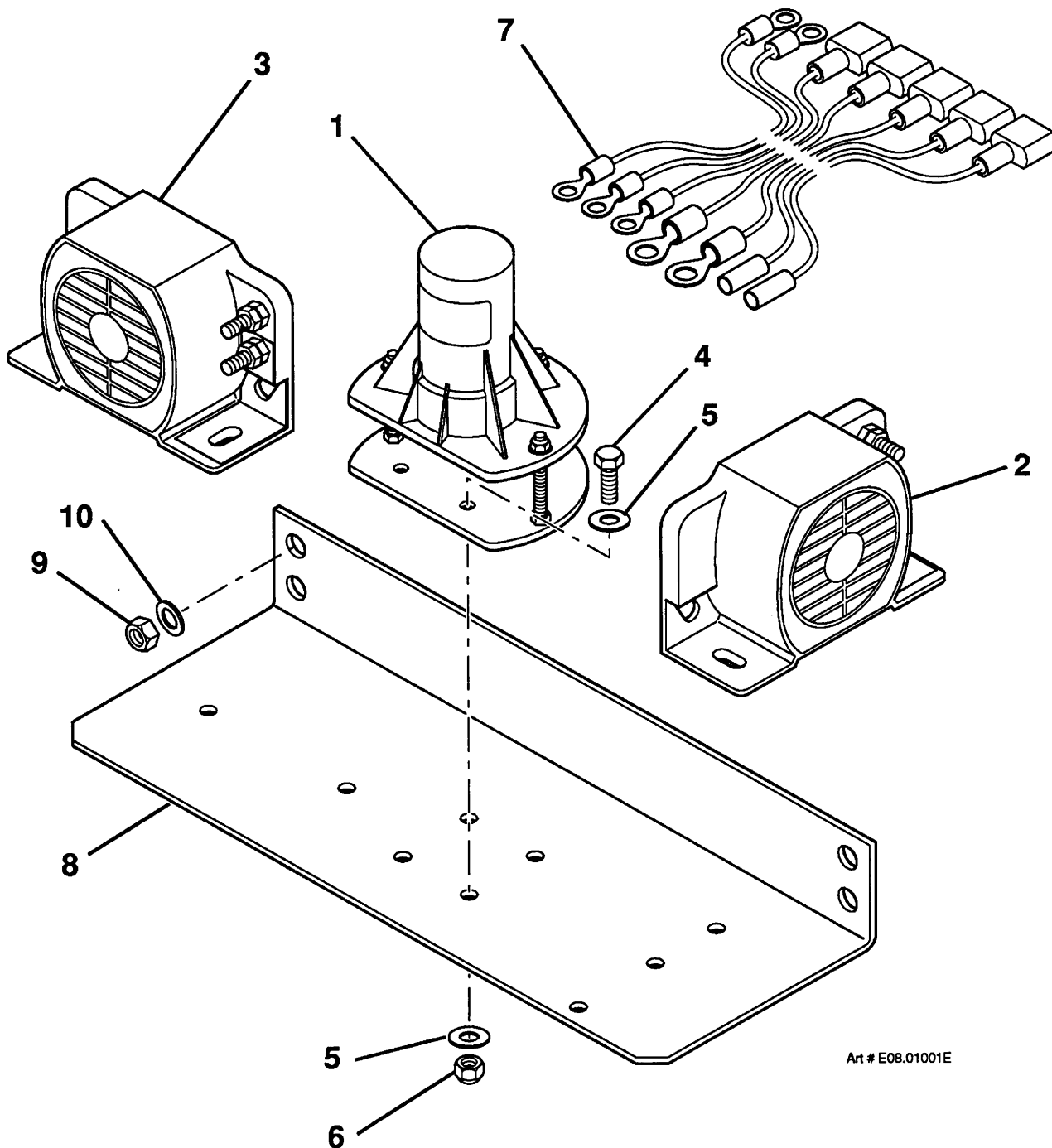
PLATE  
NO.

**E05.01**

[illegible]

## ALARM PACKAGE ASSEMBLY, MP

**3505326**



Art # E08.01001E

TITLE

ALARM PACKAGE ASSEMBLY, MP

**SIMON AERIALS INC.**

NEW 03/11/91

PART  
NO.

3505326

PLATE  
NO.

E08.01

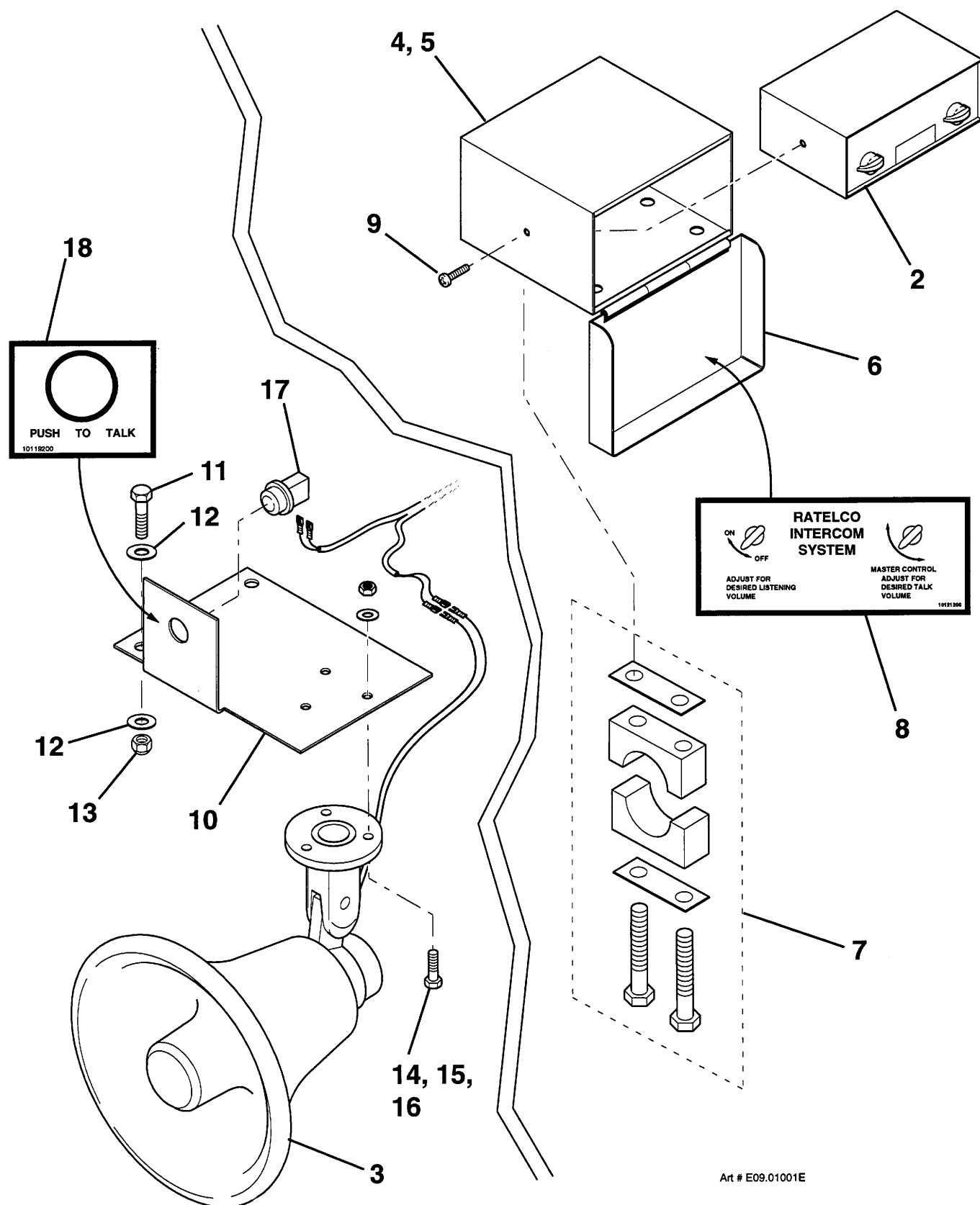
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|       |                                 |
|-------|---------------------------------|
| TITLE | MOBILE INTERCOM SYSTEM (OPTION) |
|-------|---------------------------------|

|           |        |                    |                   |          |
|-----------|--------|--------------------|-------------------|----------|
| PLATE NO. | E09.01 | SIMON AERIALS INC. | NEW 02 MAY., 1994 | PART NO. |
|-----------|--------|--------------------|-------------------|----------|

PART  
NO.





TITLE

MOBILE INTERCOM SYSTEM (OPTION)

**SIMON AERIALS INC.**

NEW 02 MAY., 1994

PART  
NO.

PLATE  
NO.

**E09.01**

# PARTS LIST

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

TITLE

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

PLATE  
NO.

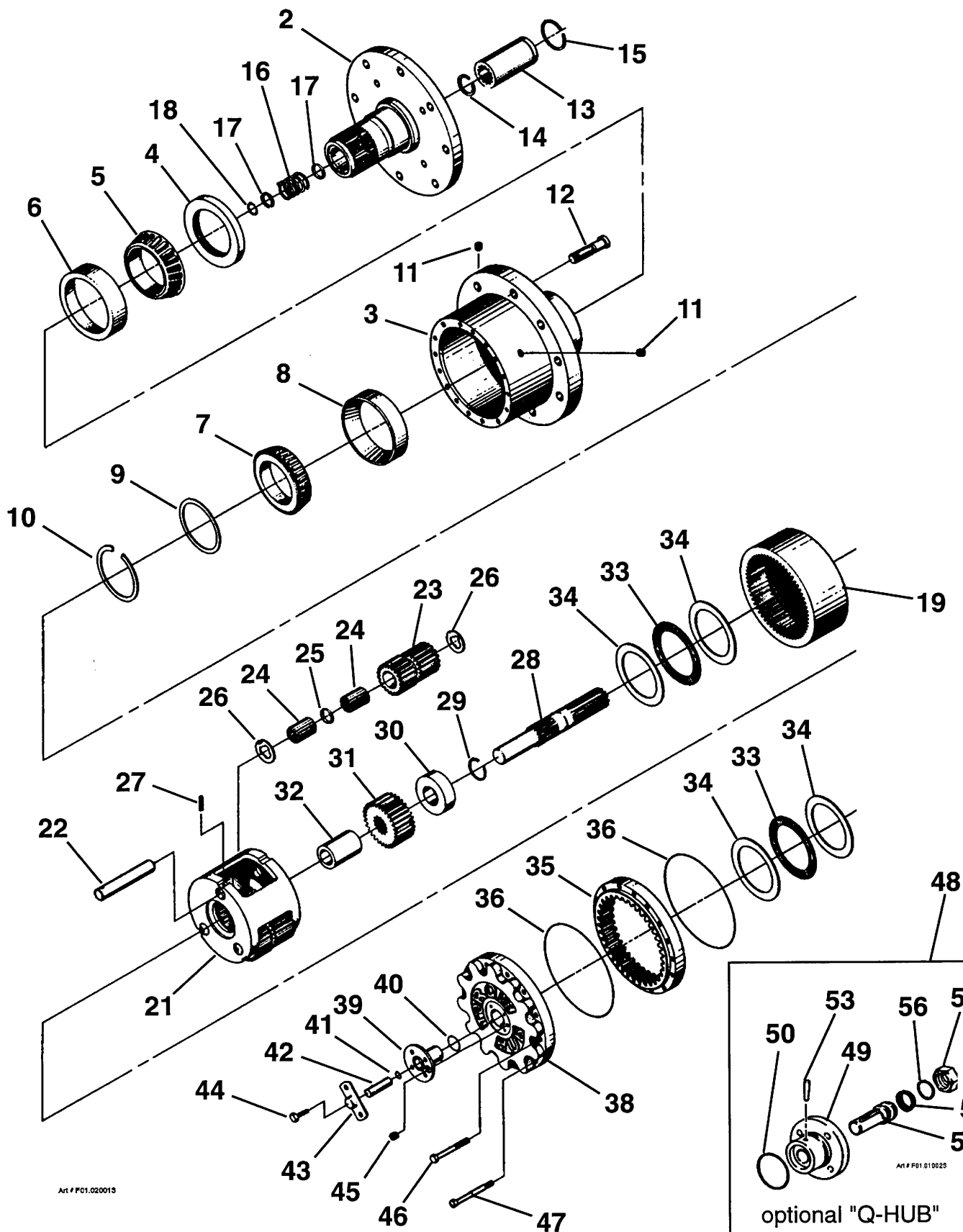
F01.07

**SIMON AERIALS INC.**

REV. 07 JUN., 1994

PART  
NO.

02-010500



TITLE

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

**SIMON AERIALS INC.**

REV. 07 JUN., 1994

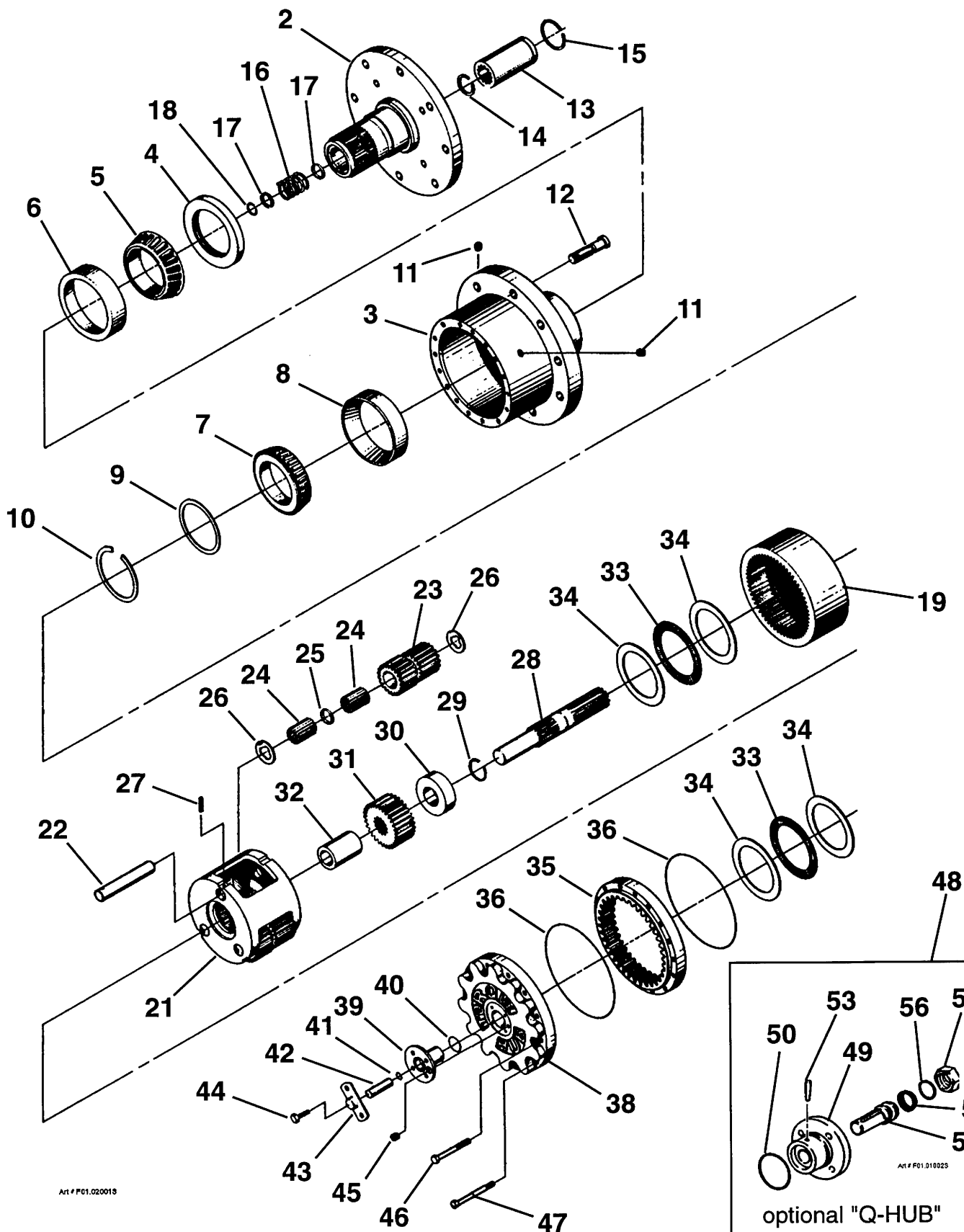
PART  
NO.

02-010500

PLATE  
NO.

F01.07

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



Art # F01.020013

Art # F01.010023

optional "Q-HUB"  
Quick disconnect kit

TITLE

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

**SIMON AERIALS INC.**

REV. 07 JUN., 1994

PART  
NO.

02-010500

PLATE  
NO.

F01.07

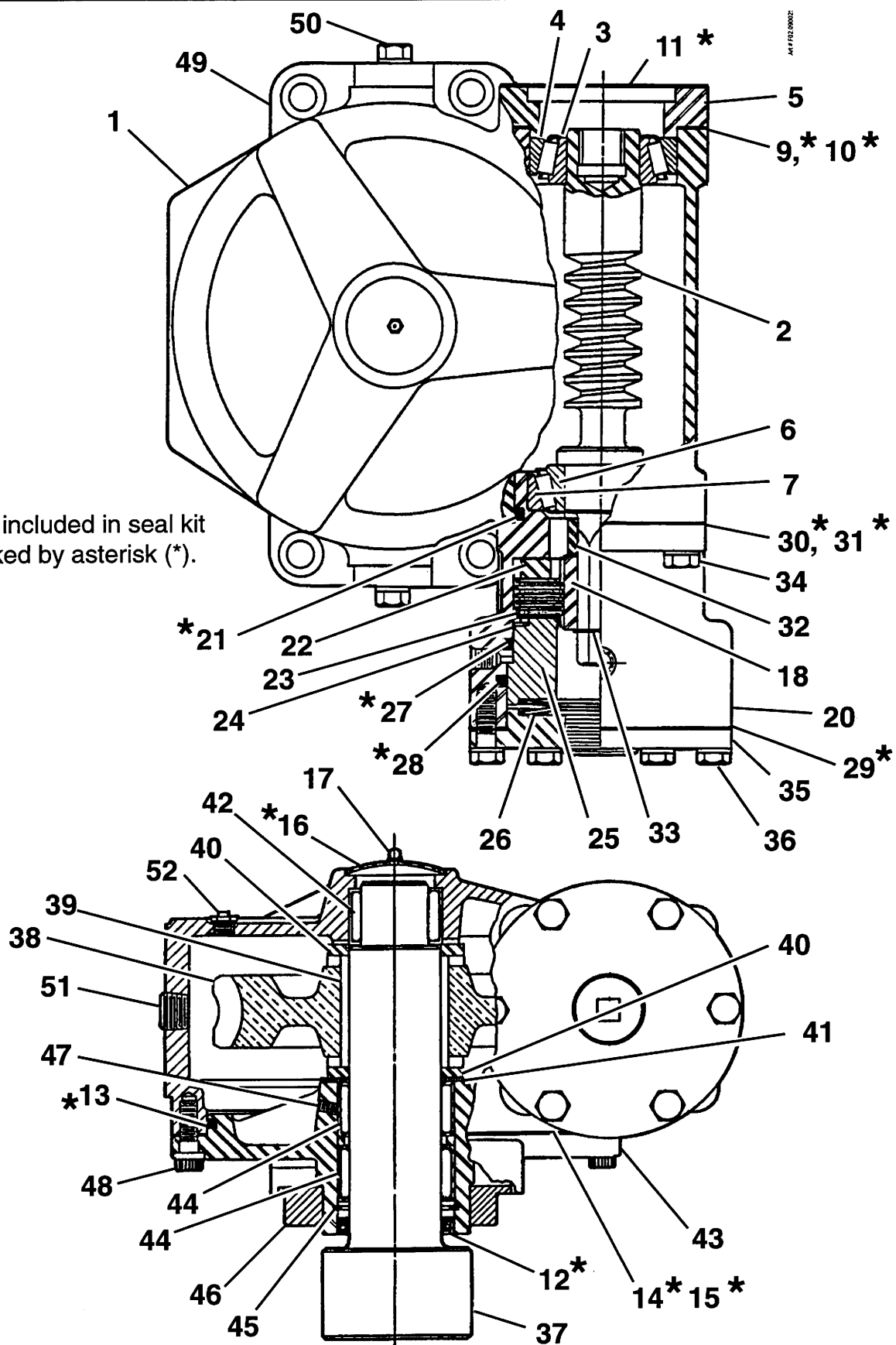


| PARTS LIST                         |           |                    |                                                                                                      |                    |
|------------------------------------|-----------|--------------------|------------------------------------------------------------------------------------------------------|--------------------|
| ITEM                               | PART NO   | SEE SECTION        | DESCRIPTION                                                                                          | QTY.               |
| 1                                  | 02-000423 |                    | HOUSING, SWING REDUCER                                                                               | 1                  |
| 2                                  |           |                    | SHAFT, WORM                                                                                          | 1                  |
| 3                                  |           |                    | CONE AND ROLLER, BEARING (1-5/8" [41 mm] bore)                                                       | 2                  |
| 4                                  | 02-000421 |                    | CUP, BEARING                                                                                         | 2                  |
| 5                                  |           |                    | RETAINER, INPUT BEARING                                                                              | 1                  |
| 6                                  |           |                    | CONE AND ROLLER, BEARING (1" [25 mm] bore)                                                           | 2                  |
| 7                                  | 02-009101 |                    | CUP, BEARING                                                                                         | 2                  |
| 8                                  |           |                    | SEAL KIT, SWING REDUCER                                                                              |                    |
|                                    |           |                    | (Some items in seal kit are also part of brake assembly.<br>Items in kit indicated by asterisks [*]) | 1                  |
| 9                                  | 02-000409 | *                  | GASKET, BEARING RETAINER [1/64" (0.4 mm)]                                                            | 1                  |
| 10                                 | 02-000410 | *                  | GASKET, BEARING RETAINER [1/32" (0.8 mm)]                                                            | 1                  |
| 11                                 | 02-000430 | *                  | GASKET, MOTOR MOUNTING                                                                               | 1                  |
| 12                                 |           | *                  | SEAL, OUTPUT SHAFT                                                                                   | 1                  |
| 13                                 |           | *                  | "O"-RING, COVER                                                                                      | 1                  |
| 14                                 | 02-000411 | *                  | GASKET, COVER (1/64" [0.4 mm] red fiber)                                                             | A.R.               |
| 15                                 | 02-000412 | *                  | GASKET, COVER (1/32" [0.8 mm] red fiber)                                                             | A.R.               |
| 16                                 | 02-000414 | *                  | PLUG, EXPANSION (drilled for grease fitting)                                                         | 1                  |
| 17                                 | 02-009110 |                    | FITTING, GREASE                                                                                      | 1                  |
| 18                                 |           |                    | DRIVER, BRAKE                                                                                        | 1                  |
| 19                                 |           |                    | BRAKE ASSEMBLY                                                                                       | 1                  |
| 20                                 | 02-000429 | *                  | HOUSING, BRAKE                                                                                       | 1                  |
| 21                                 |           |                    | "O"-RING, BRAKE HOUSING                                                                              | 1                  |
| 22                                 |           |                    | SPACER, BRAKE                                                                                        | 1                  |
| 23                                 | 02-005104 |                    | PLATE, DRIVER                                                                                        | 5                  |
| 24                                 | 02-005103 |                    | DISC, BRAKE                                                                                          | 6                  |
| 25                                 | 02-009107 |                    | PISTON                                                                                               | 1                  |
| 26                                 | 02-009109 | *                  | SPRING                                                                                               | 2                  |
| 27                                 | 02-009140 |                    | "O"-RING                                                                                             | 1                  |
| 28                                 | 02-009141 |                    | "O"-RING                                                                                             | 1                  |
| 29                                 | 02-000409 | *                  | GASKET, BRAKE COVER [1/32" (0.8 mm)]                                                                 | 1                  |
| 30                                 |           | *                  | GASKET, BRAKE HOUSING (1/64" [0.4 mm])                                                               | 1                  |
| 31                                 |           | *                  | GASKET, BRAKE HOUSING [1/32" (0.8 mm)]                                                               | 1                  |
| 32                                 |           |                    | SPACER, BRAKE DRIVER                                                                                 | 1                  |
| 33                                 |           |                    | RING, SNAP                                                                                           | 2                  |
| 34                                 |           |                    | CAP SCREW, HEX HEAD (7/16"-14 x 1-1/2" long)                                                         | 4                  |
| 35                                 |           |                    | COVER, BRAKE                                                                                         | 1                  |
| 36                                 |           |                    | CAP SCREW, HEX HEAD (7/16"-14 x 1-1/4" long)                                                         | 6                  |
|                                    |           |                    |                                                                                                      |                    |
| TITLE SWING REDUCER (PLATE 1 OF 2) |           |                    |                                                                                                      |                    |
| PLATE NO.                          | F02.09    | SIMON AERIALS INC. |                                                                                                      | PART NO. 02-009100 |
| REV. 25 AUG., 1994                 |           |                    |                                                                                                      |                    |

Top view

**Note:** Items included in seal kit (item 8) marked by asterisk (\*).

Side view



TITLE

SWING REDUCER (PLATE 1 OF 2)

AK # F02.090015

**SIMON AERIALS INC.**

REV. 25 AUG., 1994

PART  
NO.

02-009100

PLATE  
NO.

F02.09

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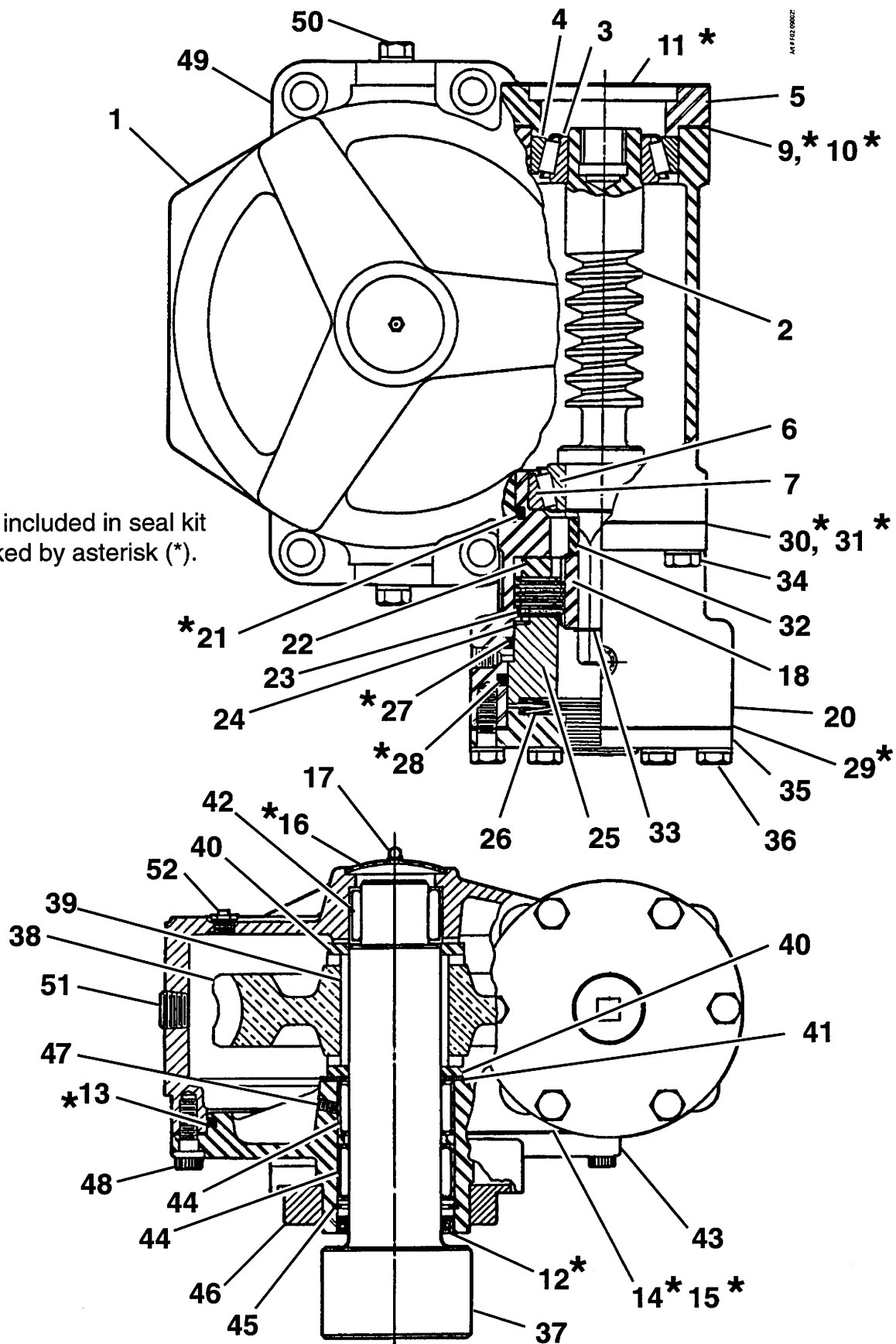
## SWING REDUCER (PLATE 2 OF 2)

02-009100

Top view

**Note:** Items included in seal kit (item 8) marked by asterisk (\*).

Side view



TITLE

SWING REDUCER (PLATE 2 OF 2)

Alt # F02 090015

**SIMON AERIALS INC.**

REV. 25 AUG., 1994

PART  
NO.

02-009100

PLATE  
NO.

F02.09

# PARTS LIST

| Section Number                                   | Part Number | Track Style | Ref. Dimension |        |         |     | No. of Links | Model Usage (ref. only)             | Notes                                                                     |
|--------------------------------------------------|-------------|-------------|----------------|--------|---------|-----|--------------|-------------------------------------|---------------------------------------------------------------------------|
|                                                  |             |             | "A"            | "B"    | "C"     | "D" |              |                                     |                                                                           |
| Gemco Hose Track:                                |             |             |                |        |         |     |              |                                     |                                                                           |
| F 3.1                                            | 08-000600   | EE          | 2-3/4"         | 3"     | 13-1/4" | 6"  | 97           |                                     | not current production                                                    |
| -----                                            | 08-000601   | EE          | 2-3/4"         | 3"     | 13-1/4" | 6"  | ---          |                                     | 3' section of style "EE"                                                  |
| F 3.2                                            | 08-001000   | CC          | 2-3/4"         | 3"     | 13-1/4" | 6"  | 93           |                                     | not current production                                                    |
| F 3.3                                            | 08-001600   | 2A          | 1-3/4"         | 2-1/2" | 13-1/4" | 6"  | 65           |                                     | not current production                                                    |
| -----                                            | 08-001615   | 2A          | 1-3/4"         | 2-1/2" | 13-1/4" | 6"  | ---          |                                     | 3' section of style "2A"                                                  |
| F 3.4                                            | 08-003600   | 2A          | 1-3/4"         | 2-1/2" | 13-1/4" | 6"  | 77           |                                     | not current production                                                    |
| -----                                            | 08-003700   | 3CM         | 4"             | 6"     | 13-1/4" | 6"  | 19           |                                     | not current production                                                    |
| F 3.5                                            | 08-005000   | EE          | 2-3/4"         | 3"     | 13-1/4" | 6"  | 93           |                                     | not current production                                                    |
| F 3.6                                            | 08-010400   | EE          | 2-3/4"         | 3"     | 13-1/4" | 6"  | 63           |                                     | not current production                                                    |
| Gleason Type 25, 35, 45 Hose Track:              |             |             |                |        |         |     |              |                                     |                                                                           |
| F 3.25                                           | 08-000400   | 25          | 1-3/4"         | 2-1/2" | 13"     | 6"  | 76           |                                     |                                                                           |
| F 3.26                                           | 08-000700   | 25          | 1-3/4"         | 2-1/2" | 13"     | 4"  | 44           | MP 40 Elec.Prop.<br>MP 40 Hydraport |                                                                           |
| -----                                            | 08-000701   | 25          | 1-3/4"         | 2-1/2" | 13"     | 4"  | ---          |                                     | 3' section of style "25"<br>(when dim. "C" = 13"<br>and dim. "D" = 4")    |
| F 3.27                                           | 08-000900   | 25          | 1-3/4"         | 2-1/2" | 13"     | 6"  | 14           |                                     |                                                                           |
| F 3.28                                           | 08-008900   | 45          | 3-3/4"         | 5"     | 16"     | 6"  | 65           |                                     |                                                                           |
| F 3.29                                           | 08-009100   | 25          | 1-3/4"         | 2-1/2" | 13"     | 4"  | 66           |                                     |                                                                           |
| F 3.30                                           | 08-009500   | 45          | 3-3/4"         | 5"     | 16"     | 6"  | 48           |                                     |                                                                           |
| F 3.31                                           | 08-009800   | 45          | 3-3/4"         | 5"     | 16"     | 6"  | 53           |                                     |                                                                           |
| F 3.32                                           | 08-011800   | 25          | 1-3/4"         | 2-1/2" | 8-5/8"  | 4"  | 29           |                                     |                                                                           |
| -----                                            | 08-011801   | 25          | 1-3/4"         | 2-1/2" | 8-5/8"  | 4"  | ---          |                                     | 3' section of style "25"<br>(with dim. "C" = 8-5/8"<br>and dim. "D" = 4") |
| Gleason Type 25, 35, 45, continued on next sheet |             |             |                |        |         |     |              |                                     |                                                                           |

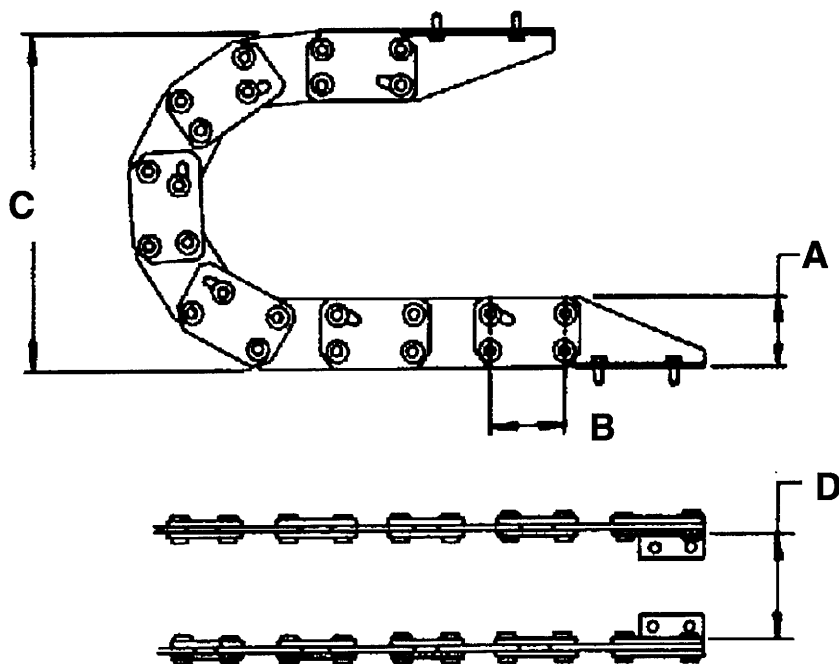
TITLE HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)

PLATE NO. F03 ALL **SIMON AERIALS INC.**

REV. 17 FEB., 1994

PART NO.





**GEMCO**

for Gleason Type 25, 35, 45, see next sheet

| TYPE | LINK CONSTRUCTION |          | TYPE | LINK CONSTRUCTION |          |
|------|-------------------|----------|------|-------------------|----------|
| 1A   |                   | Not used | FF   |                   | Not used |
| 2A   |                   |          | GG   |                   | Not used |
| BB   |                   | Not used | 2CM  |                   | Not used |
| CC   |                   |          | 3CM  |                   |          |
| EE   |                   |          |      |                   |          |

**NOTE:**

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

**TITLE**

**HOSE TRACK ASSEMBLIES (PLATE 1 OF 3)**

**SIMON AERIALS INC.**

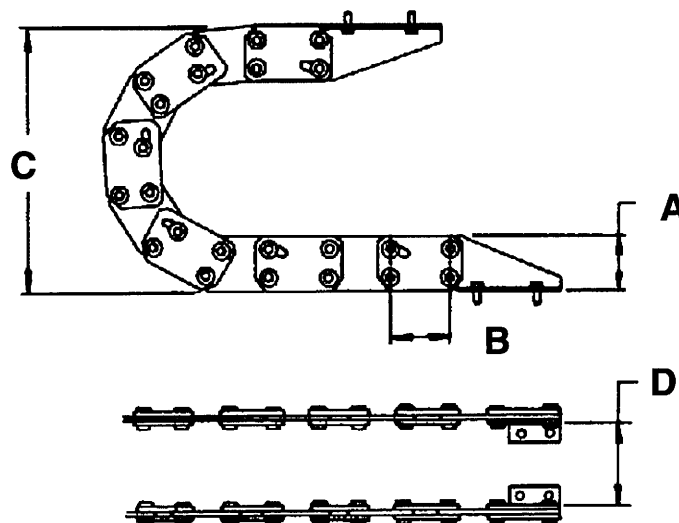
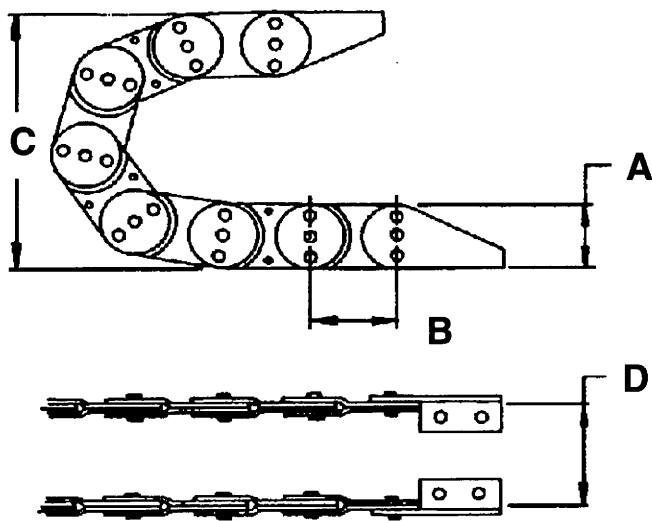
REV. 17 FEB., 1994

**PART  
NO.**

**PLATE  
NO. F03 ALL**

# PARTS LIST

| Section Number                                  | Part Number | Track Style | Ref. Dimension |        |        |     | No. of Links | Model Usage (ref. only)                                                                                | Notes                                                                                                                          |
|-------------------------------------------------|-------------|-------------|----------------|--------|--------|-----|--------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                                                 |             |             | "A"            | "B"    | "C"    | "D" |              |                                                                                                        |                                                                                                                                |
| Gleason Type 25, 35, 45 Hose Track (continued): |             |             |                |        |        |     |              |                                                                                                        |                                                                                                                                |
| F 3.33                                          | 08-011900   | 45          | 3-3/4"         | 5"     | 16"    | 6"  | 43           | MPH 60 Full Hyd.<br>MPH 60 Hydraport                                                                   | not current production<br>not current production                                                                               |
| -----                                           | 08-011901   | 45          | 3-3/4"         | 5"     | 16"    | 6"  | ---          |                                                                                                        | 3' section of style "45"<br>(when dim. "C" = 16")                                                                              |
| F 3.34                                          | 08-012400   | 45          | 3-3/4"         | 5"     | 16"    | 6"  | 63           | MP 70 Full Hyd.<br>MP 70 Hydraport<br>MP 80 All<br>MPH 80 Full Hyd.<br>MP 95 All<br>MP 110 (Inner) All | not current production<br>not current production<br>not current production<br>not current production<br>not current production |
| F 3.35                                          | 08-013000   | 25          | 1-3/4"         | 2-1/2" | 8-5/8" | 4"  | 44           |                                                                                                        |                                                                                                                                |
| F 3.36                                          | 08-013400   | 25          | 1-3/4"         | 2-1/2" | 8-5/8" | 4"  | 69           |                                                                                                        |                                                                                                                                |
| F 3.37                                          | 08-013500   | 25          | 1-3/4"         | 2-1/2" | 8-5/8" | 4"  | 39           |                                                                                                        |                                                                                                                                |
| F 3.38                                          | 08-014900   | 25          | 1-3/4"         | 2-1/2" | 8-5/8" | 4"  | 81           |                                                                                                        |                                                                                                                                |
| F 3.39                                          | 08-015100   | 45          | 3-3/4"         | 5"     | 16"    | 6"  | 45           |                                                                                                        |                                                                                                                                |
| F 3.40                                          | 08-056000   | 35          | 2-5/8"         | 3-3/4" | 26"    | 6"  | 96           |                                                                                                        |                                                                                                                                |
| -----                                           | 08-056001   | 35          | 2-5/8"         | 3-3/4" | 26"    | 6"  | ---          |                                                                                                        | 3' section of style "35"<br>(when dim. "C" = 26")                                                                              |
| F 3.41                                          | 08-056100   | 45          | 3-3/4"         | 5"     | 27"    | 6"  | 39           | MP 110 (Outer) All                                                                                     | not current production                                                                                                         |
| -----                                           | 08-056101   | 45          | 3-3/4"         | 5"     | 27"    | 6"  | ---          |                                                                                                        | 3' section of style "45"<br>(when dim. "C" = 27")                                                                              |
| A and A "Gortite" Hose Track:                   |             |             |                |        |        |     |              |                                                                                                        |                                                                                                                                |
| -----                                           | 08-056200   |             | 2"             | 2-1/2" | 9-7/8" | 4"  | 83           |                                                                                                        | not current production                                                                                                         |
| -----                                           | 08-056201   |             | 2"             | 2-1/2" | 9-7/8" | 4"  | 15           |                                                                                                        | 3' section, style "A+A"                                                                                                        |
| Gleason Type 25, 35, 45 Hose Track (continued): |             |             |                |        |        |     |              |                                                                                                        |                                                                                                                                |
| F 3.42                                          | 08-056700   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 55           |                                                                                                        |                                                                                                                                |
| F 3.43                                          | 08-058300   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 29           | MP 40 Full Hyd.<br>Trailblazer 40                                                                      | not current production<br>current production                                                                                   |
| -----                                           | 08-058301   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | ---          |                                                                                                        | 3' section of style "35"<br>(when dim. "C" = 15")                                                                              |
| F 3.44                                          | 08-058400   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 56           | MP 60 Full Hyd.                                                                                        | not current production                                                                                                         |
| F 3.45                                          | 08-060200   | 25          | 1-3/4"         | 2-1/2" | 13"    | 6"  | 81           | MP 60, MPN 60,<br>and MP 60 Z<br>Electro-Prop.<br>or Hydraport                                         |                                                                                                                                |
| -----                                           | 08-060201   | 25          | 1-3/4"         | 2-1/2" | 13"    | 6"  | ---          |                                                                                                        | 3' section of style "25"<br>(when dim. "C" = 13"<br>and dim. "D" = 6")                                                         |
| F 3.46                                          | 08-062100   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 58           |                                                                                                        |                                                                                                                                |
| -----                                           | 08-063500   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 19           |                                                                                                        |                                                                                                                                |
| -----                                           | 08-069100   | 35          | 2-5/8"         | 3-3/4" | 15"    | 6"  | 33           |                                                                                                        |                                                                                                                                |
| -----                                           | 08-070200   |             |                |        |        |     |              | MPN 40 Full Hyd.<br>(with 3 Pc. Boom)                                                                  | not current production                                                                                                         |
| for Gleason Type 25E, 35E, 45E, see next sheet  |             |             |                |        |        |     |              |                                                                                                        |                                                                                                                                |



for Gleason Type 35E, 45E, see next sheet

## GLEASON

## A AND A

| TYPE | LINK CONSTRUCTION | TYPE | LINK CONSTRUCTION |
|------|-------------------|------|-------------------|
| 25   |                   |      |                   |
| 35   |                   |      |                   |
| 45   |                   |      |                   |

### NOTE:

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

TITLE

HOSE TRACK ASSEMBLIES (PLATE 2 OF 3)

**SIMON AERIALS INC.**

REV. 17 FEB., 1994

PART  
NO.

PLATE  
NO. F03 ALL

# PARTS LIST

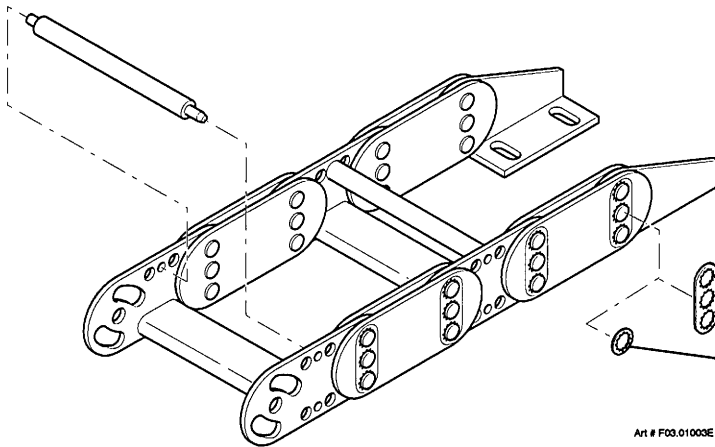
| Section Number                         | Part Number | Track Style | Ref. Dimension |        |         |     | No. of Links | Model Usage (ref. only)                                     | Notes                 |                       |
|----------------------------------------|-------------|-------------|----------------|--------|---------|-----|--------------|-------------------------------------------------------------|-----------------------|-----------------------|
|                                        |             |             | "A"            | "B"    | "C"     | "D" |              |                                                             |                       |                       |
| Gleason Type 25E, 35E, 45E Hose Track: |             |             |                |        |         |     |              |                                                             |                       |                       |
| -----                                  | 08-072600   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 29           | MP 40 Full Hyd. Trailblazer 40                              |                       |                       |
| -----                                  | 08-072602   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | ---          |                                                             | 3' section, style 35E |                       |
| -----                                  | 08-072700   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 55           | MP 60, MPN 60, and MP 60 Z Full Hydraulic for Field Service |                       |                       |
| -----                                  | 08-072701   | 35E         | ---            | ---    | ---     | --- | ---          |                                                             | Pushnut (single type) |                       |
| -----                                  | 08-072800   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 61           | MP 80 All for Field Service                                 |                       |                       |
| -----                                  | 08-072801   | 45E         | ---            | ---    | ---     | --- | ---          |                                                             | Pushnut (single type) |                       |
| -----                                  | 08-072802   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | ---          |                                                             | 3' section, style 45E |                       |
| -----                                  | 08-072900   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 58           | Trailblazer 60                                              | Mounting one end      |                       |
| -----                                  | 08-073000   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 32           | MPH 42 Full Hyd.                                            |                       |                       |
| -----                                  | 08-073100   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 35           | MPN 40 Full Hyd. (with 3 Pc. Boom)                          |                       |                       |
| -----                                  | 08-073200   | 35E         | 2-3/4"         | 3-3/4" | 13-1/8" | 6"  | 39           | MP 50 Full Hyd.                                             |                       |                       |
| -----                                  | 08-073300   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 45           | MPH 60 Full Hyd.                                            |                       |                       |
| -----                                  | 08-073400   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 54           | MP 70 Hydraport MP 70 Full Hyd.                             |                       |                       |
| -----                                  | 08-073500   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 59           | MP 70 Hydraport MPH 80 Full Hyd.                            |                       |                       |
| -----                                  | 08-073600   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 64           | MPH 80 Hydraport MP 110 (Inner)                             |                       |                       |
| -----                                  | 08-073700   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 69           | MP 95 All                                                   |                       |                       |
| -----                                  | 08-076700   | 25E         | 1-3/4"         | 2-1/2" | 13-1/8" | 4"  | 44           | MP 40 Hydraport or Electro-Prop.                            |                       | All without Keel Boom |
| -----                                  | 08-076800   | 25E         | 1-3/4"         | 2-1/2" | 13-1/8" | 4"  | 54           | MP 50 Hydraport or Electro-Prop.                            |                       |                       |
| -----                                  | 08-076900   | 25E         | 1-3/4"         | 2-1/2" | 13-1/8" | 4"  | 81           | MP 60, MPN 60, and MP 60 Z Hydraport or Electro-Prop.       |                       |                       |
| -----                                  | Call Simon  | 25E         | ---            | ---    | ---     | --- | ---          | for Field Service                                           |                       |                       |
| -----                                  | Call Simon  | 25E         | 1-3/4"         | 2-1/2" | 13-1/8" | 4"  | ---          |                                                             |                       |                       |
| -----                                  | 08-077000   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 6"  | 39           | MP 110 (Outer)                                              |                       |                       |
| -----                                  | 08-077200   | 45E         | 3-3/4"         | 5"     | 26-1/8" | 4"  | 39           | MP 110 (Outer)                                              |                       |                       |
| -----                                  | 08-077300   | 45E         | 3-3/4"         | 5"     | 15-1/8" | 4"  | 64           | MP 110 (Inner)                                              |                       |                       |
|                                        |             |             |                |        |         |     |              |                                                             |                       |                       |
|                                        |             |             |                |        |         |     |              |                                                             |                       |                       |

**TITLE** HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)

**PLATE NO.** F03 ALL **SIMON AERIALS INC.**

REV. 26 AUG., 1994  
THIS SHEET ONLY

**PART NO.**

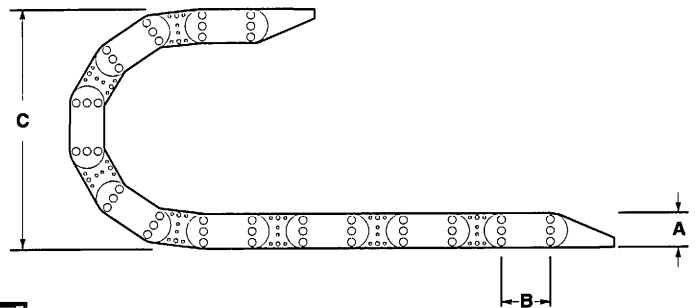


**Triple Pushnut used for factory installation only.**

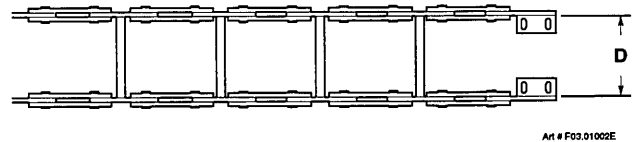
**Single Pushnut is available for service. See chart.**

Art # F03.01000E

**GLEASON**



| TYPE | LINK CONSTRUCTION |
|------|-------------------|
| 35E  |                   |
| 45E  |                   |
|      |                   |



Art # F03.01002E

**NOTE:**

Three (3) foot repair sections of most styles are available; refer to the shaded sections of the chart. Three (3) foot repair sections of styles not shown are available upon request; please refer to the part number and type matching your requirements when ordering.

To select hose track that is not specifically identified in the chart:

- (1) Determine the make, type and size of link construction.
- (2) Refer to the parts list and match the type to the overall height (C), width (D) and number of links.

**TITLE**

**HOSE TRACK ASSEMBLIES (PLATE 3 OF 3)**

**SIMON AERIALS INC.**

REV. 17 FEB., 1994

**PART  
NO.**

**PLATE  
NO. F03 ALL**



## PARTS LIST

| ITEM | PART NO   | SEE SECTION | DESCRIPTION                                                                                              | QTY. |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------------|------|
| 1    |           |             | DECAL KIT, RP 120 "REACH PLUS"<br>(Not available. Purchase decals individually.)                         |      |
| 2    | 10-130600 |             | DECAL, "DANGER" (Hazard listing, at Ground controls)                                                     | 1    |
| 3    | 10-145100 |             | DECAL, "DANGER" (Electrocution)                                                                          | 2    |
| 4    | 10-142100 |             | DECAL, "DANGER" (Hazard listing, at Platform controls)                                                   | 1    |
| 5    | 10-240400 |             | DECAL, "DANGER" (RP 120 Range diagram)                                                                   | 1    |
| 6    | 2132070   |             | DECAL, "DANGER" (Axle extend instructions)                                                               | 1    |
| 7    | 10-013100 |             | DECAL, "WARNING" ("Tipover may occur . . .")                                                             | 2    |
| 8    | 10-094700 |             | DECAL, "CAUTION, HOT WATER . . ."<br>(for versions with liquid cooled engine)                            | 1    |
| 9    | 10-094900 |             | DECAL, "CAUTION, ROTATING FAN . . ."<br>(for versions with Ford engine)                                  | 1    |
| 10   | 10-025400 |             | DECAL, ENGINE MAINTENANCE (decals are marked<br>"F3-6L912" and "2973582") (used with Deutz 912 engine)   | 1    |
| 11   | 2132080   |             | DECAL, "STEER OR AXLE FUNCTION . . ."                                                                    | 1    |
| 12   | 10-117900 |             | PLACARD, "GASOLINE ONLY" (Black type on white)<br>(for versions without optional Diesel engine)          | 1    |
|      | 10-151100 |             | PLACARD, "DIESEL FUEL ONLY" (Black type on white)<br>(for versions with optional Diesel engine)          | 1    |
| 13   | 10-151300 |             | PLACARD, "HYDRAULIC FLUID ONLY"                                                                          | 1    |
| 14   | 10-144300 |             | DECAL, GROUND ELECTRICAL CONTROLS                                                                        | 1    |
| 15   | 10-240700 |             | DECAL, GROUND INDICATOR LAMPS                                                                            | 1    |
| 16   | 10-224900 |             | PLACARD, REMOTE CONTROL PENDANT                                                                          | 1    |
| 17   | 10-012600 |             | DECAL, "OPEN HYDRAULIC TANK VALVES . . ."                                                                | 1    |
| 18   | 10-007200 |             | DECAL, "ENSURE LOCK PIN IS DISENGAGED . . ."                                                             | 2    |
| 19   | 10-148300 |             | DECAL, "Platform capacity 500 Lbs (225 Kg)"<br>[4-1/2" (114 mm) wide, black letters on white background] | 4    |
| 20   | 10-012900 |             | DECAL, "FORWARD" WITH ARROW                                                                              | 2    |
| 21   | 10-016800 |             | DECAL, "GAS/ OFF/ PROPANE"<br>(for some "Dual fuel" versions)                                            | 1    |
| 22   | 10-025000 |             | DECAL, "IN SWITCHING FROM GAS TO PROPANE . . ."<br>(for some "Dual fuel" versions)                       | 1    |
| 23   | 2157710   |             | DECAL, "FOR PROPER OPERATION - SET FUEL . . ."<br>(for some "Dual fuel" versions)                        | 1    |
| 24   | 10-107200 |             | DECAL, "CAUTION" ("Steer system must be disengaged ...")<br>(for versions with optional tow package)     | 1    |
|      |           |             |                                                                                                          |      |

TITLE

DECALS, RP 120 (PLATE 1 OF 2)

PLATE NO. F99.202

**SIMON AERIALS INC.**

NEW 21 JUN., 1994

PART NO.

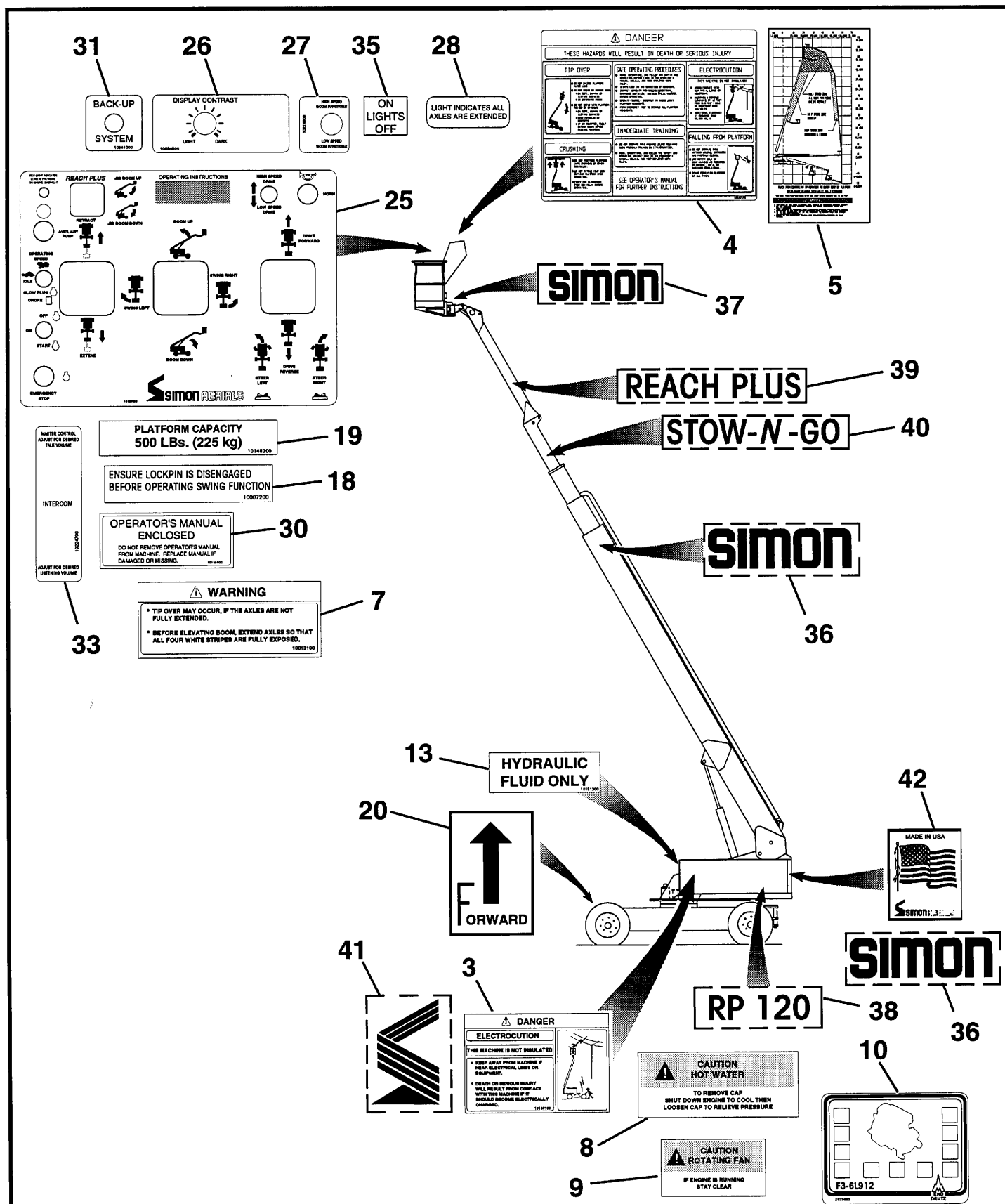


| <b>PARTS LIST</b>                          |                |                           |                                                                                                                    |             |                     |
|--------------------------------------------|----------------|---------------------------|--------------------------------------------------------------------------------------------------------------------|-------------|---------------------|
| <b>ITEM</b>                                | <b>PART NO</b> | <b>SEE<br/>SECTION</b>    | <b>DESCRIPTION</b>                                                                                                 | <b>QTY.</b> |                     |
| 25                                         | 10-169100      |                           | PLACARD, PLATFORM CONTROLS                                                                                         | 1           |                     |
| 26                                         | 10-224500      |                           | DECAL, "DISPLAY CONTRAST, LIGHT/ DARK"                                                                             | 1           |                     |
| 27                                         | 10-224600      |                           | DECAL, BOOM FUNCTION SPEED CONTROL                                                                                 | 1           |                     |
| 28                                         | 10-224601      |                           | DECAL, "LIGHT INDICATES ALL AXLES ARE EXTENDED"                                                                    | 1           |                     |
| 29                                         | 10-147400      |                           | DECAL, PLATFORM LEVEL AND ROTATE CONTROLS                                                                          | 1           |                     |
| 30                                         | 10-139800      |                           | DECAL, "OPERATOR'S MANUAL ENCLOSED"                                                                                | 1           |                     |
| 31                                         | 10-241000      |                           | DECAL, "BACK-UP SYSTEM"                                                                                            | 1           |                     |
| 32                                         | 10-224700      |                           | DECAL SET, INTERCOM (includes two decals below)                                                                    | 1           |                     |
| 33                                         |                |                           | DECAL, INTERCOM CONTROL (at platform)                                                                              | 1           |                     |
| 34                                         |                |                           | DECAL, "INTERCOM, PUSH TO TALK" (at ground)                                                                        | 1           |                     |
| 35                                         | 10-021100      |                           | DECAL, "LIGHTS, ON/ OFF" (with option)                                                                             | 1           |                     |
| 36                                         | 10-017100      |                           | DECAL, "SIMON" NAME [Black, 7" (178 mm) high]                                                                      | 2           |                     |
| 37                                         | 10-105900      |                           | DECAL, "SIMON" NAME [White, 5" (127 mm) high]                                                                      | 2           |                     |
| 38                                         | 10-240300      |                           | DECAL, MODEL "RP 120"                                                                                              | 2           |                     |
| 39                                         | 10-221700      |                           | DECAL, "REACH PLUS" IDENTIFICATION                                                                                 | 1           |                     |
| 40                                         | 10-221600      |                           | DECAL, "STOW-N -GO"™ IDENTIFICATION                                                                                | 2           |                     |
| 41                                         | 10-131900      |                           | DECAL, SIMON "S" LOGO<br>[Orange/ Gray, 9" (229 mm) wide x 13-1/2" (344 mm)]                                       | 2           |                     |
| 42                                         | 10-121600      |                           | DECAL, "MADE IN U.S.A."                                                                                            | 1           |                     |
| 43                                         | 10-126800      |                           | DECAL, STRIPE [(4) Orange stripes, 3-3/4" (95 mm) wide]<br>(Bulk item, order as needed) [28 Ft (8.5 M) used here]  | A.R.        |                     |
| 44                                         | 10-126900      |                           | DECAL, STRIPE [(3) Dk Gray stripes, 2-1/8" (54 mm) wide]<br>(Bulk item, order as needed) [14 Ft (4.3 M) used here] | A.R.        |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
|                                            |                |                           |                                                                                                                    |             |                     |
| <b>TITLE DECALS, RP 120 (PLATE 2 OF 2)</b> |                |                           |                                                                                                                    |             |                     |
| <b>PLATE<br/>NO.</b>                       | F99.202        | <b>SIMON AERIALS INC.</b> |                                                                                                                    |             | <b>PART<br/>NO.</b> |
|                                            |                |                           |                                                                                                                    |             | NEW 21 JUN., 1994   |

# SIMON AERIALS INC.

NEW 21 JUN. 1994

PART  
NO.



Right (Engine) side. See previous page for illustration of Left side decals.

TITLE

DECALS, RP 120 (PLATE 2 OF 2)

SIMON AERIALS INC.

NEW 21 JUN., 1994

PART  
NO.

PLATE  
NO. F99.202