



WIPLINE FLOATS | MODIFICATIONS | AIRCRAFT SALES  
AVIONICS | INTERIORS | MAINTENANCE | PAINT



# **PARTS MANUAL FOR WIPLINE MODEL 8000 FLOATS ON CESSNA 208**

**Revision W**

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## LOG OF REVISIONS

| Revision | Pages Affected         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date       |
|----------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| A-K      | All                    | See Revision L for record of changes in Revisions A through K.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9/23/2015  |
| L        | 47-48, 51, 64-66, 77   | Updated main gear assembly without wheels. Changed 1005861 to 1009966 in Oleo Shock Strut Assembly. Updated Nose Gear Assembly part numbers. Changed MS35204-283 to MS35207-283 in Water Rudder Blade Installation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7/11/2019  |
| M        | All                    | Reformatted document in new software. Rearranged sections and added new drawings. Added parts for 8A06000-029 Tow Lug Plate Assembly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/21/2020  |
| N        | 49                     | Added optional wide steps 1006887, 1006888, 1006889, and 1005297 to Fuselage Step Assembly section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6/19/2020  |
| P        | All                    | Added note about nose and main gear tire/tube. Changed O-Ring MS28775-220 to MS28775-314 in Assembly Flange Cylinder Head 6A05000-008. Added parts to Nose Wheel Assembly 8A06000-008. Added image and parts for Nose Wheel Without Tire Assembly 1003233. Added sections for Post/Pre Service Letter 216 for Hydraulic and Electrical. Updated Hydraulic Pump 1011404 image and parts list. Updated Hydraulic Schematic image and parts list. Added Pump Mount Bracket Assembly 1011402 image and parts list. Updated Hydraulic Pump Overview image and parts list. Updated Electrical Schematic image and parts list.                                                                                                      | 5/10/2021  |
| R        | 39, 57-58, 72-74, 101  | Added 1011004 Assembly, Cup, Pumpout, Duckbill, 1011808 Retainer, Valve, Duckbill, Pumpout Plug, and 1011870 Valve, Duckbill. Updated image and parts list for Main Gear Axle Assembly Without Wheels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5/26/2022  |
| T        | 14, 53-54, 72-74, 101  | Changed Cover, Bulkhead Station #14 8A01008-0 to 8A01008-060. Updated parts list in Cleveland/Parker Main Gear Wheel Assembly section. Added image and parts for (Obsolete) McCauley Nose Gear Lower End Assembly (Discontinued) section, as it was removed from previous revisions. Changed P52-0035-1 from Starter to Solenoid.                                                                                                                                                                                                                                                                                                                                                                                            | 1/26/2023  |
| U        | 60, 86                 | Added items 23 and 24 to Oleo Shock Strut Assembly (T-Seals Installed) section. Added 1012383 Sleeve, Spring to Water Rudder Steering System section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8/4/2023   |
| V        | 26-27, 65, 68, 123-124 | Updated Bottom and Side Skins image. Removed obsoleted parts 1002114, 3A01503-001, 6A01156-058, and 6A01156-059. Changed Cap - Fitting, Aft, Slide Tube 8A05159-001 to 8A05195-001 in Main Gear Slide Tube Assembly sections. Added Section 12 Canoe Paddle image and parts list.                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12/14/2023 |
| W        | 51-54, 69-75, 121      | Added new sections to Landing Gear chapter. Replaced Cleveland/Parker wheel with updated Main Gear Wheel Assembly image and parts list and added tables for Wheel Assembly Without Brake And Tire section. Changed O-Ring MS28755-219 to MS28775-219 in Main Gear Slide Tube Assembly (O-Rings Installed) section. Removed Nose Gear Lower End Assembly section and replaced with Nose Gear Wheel Assembly, Single-Piece Fork section. Added Nose Fork With Pin Assembly section. Added Nose Gear Wheel Assembly, Three-Piece Fork section for reference as it is discontinued. Updated image and parts list for Nose Wheel Assembly Without Tire section. Corrected bulb part numbers in gear control indicator assemblies. | 9/8/2025   |

View most current version of parts manual at [www.wipaire.com](http://www.wipaire.com).

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## FLOAT PART SALES DEPARTMENT OPERATIONS

### Parts Sales:

Wipaire, Inc.

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South St. Paul, MN 55075

Telephone: (651) 306-0459

Fax: (651)-306-0666

Website: [www.wipaire.com](http://www.wipaire.com)

Email: [customerservice@wipaire.com](mailto:customerservice@wipaire.com)

**Note:** Any information not found in this manual for strut package parts and other installation items refer to the installation drawing package provided with the STC at the time of float installation. Additional drawing copies are available for purchase through the Wipaire Customer Service Department.

### Parts Ordering

Purchase orders should include:

1. Purchase order number
2. Name of person placing order
3. Invoicing information:
  - a. Customer name - company or individual
  - b. Address
  - c. Phone and fax number
4. Shipping information:
  - a. Address (if different from invoice address)
  - b. Method of shipment/preferred carrier
5. Aircraft model, float model, and serial numbers
6. Wipaire part number; name; type, e.g. left or right; quantity
7. Payment method: VISA, MasterCard, C.O.D. (Collect on Delivery) (U.S. customers only), pre-payment by check or wire transfer, open account (see Credit Policy)

## INTRODUCTION

All references in this manual to LEFT and RIGHT are from the perspective of the pilot's seat with the floats fully installed and ready for floatplane operation.

The following is a list of abbreviations that may appear in the description nomenclature fields of this manual:

|         |             |        |               |
|---------|-------------|--------|---------------|
| AB      | Afterbody   | Inbd.  | Inboard       |
| Amphib. | Amphibious  | Lg.    | Large         |
| AR      | As Required | Lt.    | Left          |
| Assy.   | Assembly    | Lwr.   | Lower         |
| Brkt.   | Bracket     | Opt.   | Optional      |
| Btm.    | Bottom      | Otbd.  | Outboard      |
| Bulk.   | Bulkhead    | Reinf. | Reinforcement |
| Ctr.    | Center      | Rr.    | Rear          |
| Cyl.    | Cylinder    | Rt.    | Right         |
| Ft.     | Front       | Sm.    | Small         |
| Ftg.    | Fitting     | SN     | Serial Number |
| Fus.    | Fuselage    | Spr.   | Spreader      |
| Fwd     | Forward     | Upr.   | Upper         |
| Horiz.  | Horizontal  | Vert.  | Vertical      |
| Hyd.    | Hydraulic   | W.W.   | Wheel Well    |

## USING THIS PARTS MANUAL

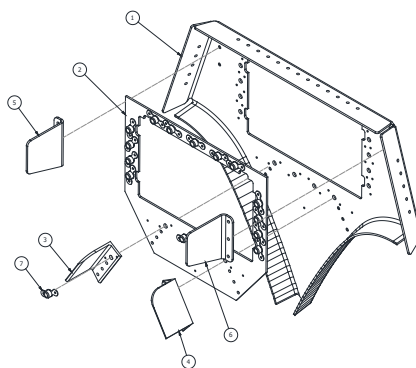
### COVERAGE

Parts information is provided in this manual for the hulls and all "deck down" parts. For information on strut package parts and other aircraft installation items, refer to the installation drawing package provided with the STC at the time of float installation. Additional drawing copies are available for purchase through Wipaire Customer Service Department.

Name of main part in the section. Example:  
This part is showing the components made up in Bulkhead #1.

#### BULKHEAD #1

Main part image. If the image has numbers associated with it, then those numbers are item numbers shown in the table below.



Items with a (-) instead of a number represent the main part as an assembly. Other parts represent the parts included in the assembly.

| ITEM | QTY | PART NO.     | PART DESCRIPTION                      |
|------|-----|--------------|---------------------------------------|
| -    | 1   | 1008815      | ASSEMBLY BULKHEAD #1, 10000           |
| 1    | 1   | 1008797      | PANEL, BULKHEAD #1                    |
| 2    | 1   | 13A01156-085 | DOUBLER #1 BULKHEAD                   |
| 3    | 1   | 13A01357-049 | CLEAT, SISTER KEEL ATTACH #1 BULKHEAD |
| 4    | 1   | 13A01357-050 | CLEAT, SISTER KEEL ATTACH #1 BULKHEAD |
| 5    | 1   | 6A01156-054  | ANGLE – TOP RAIL                      |
| 6    | 1   | 6A01156-055  | ANGLE – TOP RAIL                      |
| 7    | 17  | MS21047L4    | NUT PLATE, SELF LOCKING               |

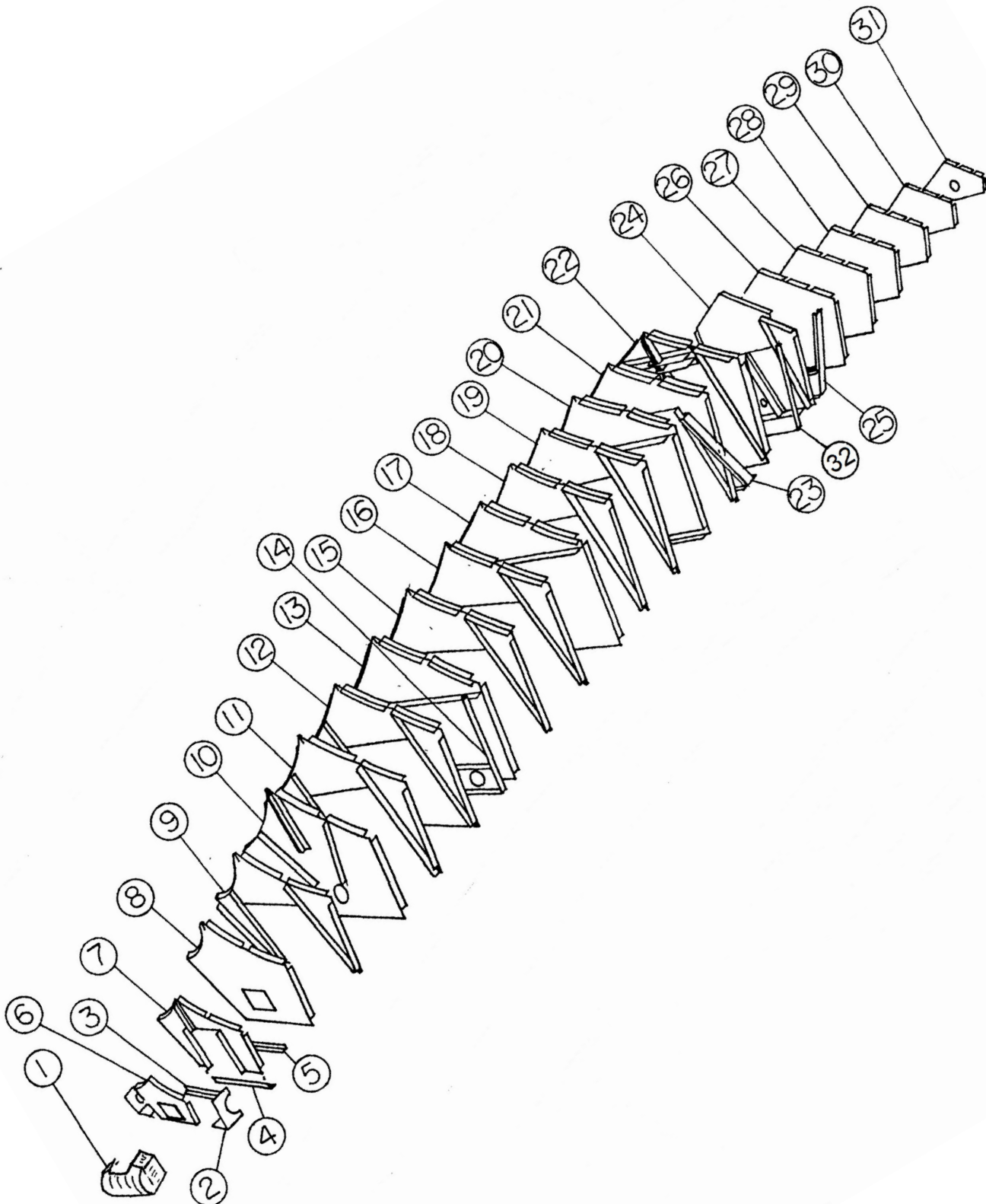
To order an individual part, order the part number associated with item number.

**SECTION 1**  
**HULL BULKHEAD ASSEMBLIES**

**CONTENTS**

HULL ASSEMBLY - AMPHIBIAN .....10  
SKIN DOUBLERS, STIFFENERS, STRUCTURAL SUPPORT.....18

## HULL ASSEMBLY - AMPHIBIAN



| ITEM | QTY | PART NO.    | PART DESCRIPTION                    |
|------|-----|-------------|-------------------------------------|
| 1    | 1   | 8A01730-001 | NOSE BUMPER                         |
|      | 1   | 8A01359-114 | ANGLE-BUMPER ATTACH RT              |
|      | 1   | 8A01359-115 | ANGLE- BUMPER ATTACH LT             |
| 2    | 2   | 8A01156-027 | GUSSET-NOSE BULKHEAD SIDE           |
|      | 2   | 8A01156-028 | GUSSET-NOSE BULKHEAD TOP            |
| 3    | 1   | 8A01339-037 | ANGLE-TOP SKIN REINFORCEMENT-FWD    |
| 4    | 1   | 8A01361-013 | ANGLE-TOP SKIN REINFORCEMENT-CENTER |
| 5    | 1   | 8A01339-038 | ANGLE-TOP SKIN REINFORCEMENT-AFT    |
|      | 1   | 8A01156-104 | SPACER, TOP DECK                    |
| 6    | 1   | 8A01000-076 | ASSEMBLY-NOSE BULKHEAD STATION #1   |
|      | 1   | 8A01156-025 | BULKHEAD                            |
|      | 2   | 6A01359-004 | ANGLE                               |
|      | 12  | MS21047L4   | NUTPLATE                            |
| 7    | 1   | 8A01000-077 | ASSEMBLY-BULKHEAD STATION #2        |
|      | 1   | 6A01158-006 | BULKHEAD BOTTOM                     |
|      | 1   | 6A01359-007 | ANGLE MAIN KEEL, LT                 |
|      | 1   | 6A01359-008 | ANGLE MAIN KEEL, RT                 |
|      | 2   | 6A01359-009 | ANGLE SISTER KEEL                   |
|      | 1   | 8A01005-092 | BULKHEAD SIDE, RT                   |
|      | 1   | 8A01005-093 | BULKHEAD SIDE, LT                   |
| 8    | 1   | 8A01000-078 | ASSEMBLY-BULKHEAD STATION #3        |
|      | 1   | 6A01158-007 | BULKHEAD BOTTOM                     |
|      | 1   | 8A01005-094 | BULKHEAD TOP                        |
|      | 1   | 8A01359-056 | ANGLE NOSE BOX, RT                  |
|      | 1   | 8A01359-057 | ANGLE NOSE BOX, LT                  |
|      | 1   | 6A01359-010 | ANGLE MAIN KEEL, RT                 |
|      | 1   | 6A01359-011 | ANGLE MAIN KEEL, LT                 |
|      | 1   | 6A01359-012 | ANGLE SISTER KEEL                   |
|      | 1   | 6A01359-013 | ANGLE SISTER KEEL                   |
| 9    | 1   | 8A01000-079 | ASSEMBLY-BULKHEAD STATION #4        |
|      | 1   | 6A01158-008 | BULKHEAD BOTTOM                     |
|      | 1   | 8A01005-095 | BULKHEAD SIDE, LT                   |
|      | 1   | 8A01005-096 | BULKHEAD SIDE, RT                   |
|      | 1   | 6A01359-035 | ANGLE MAIN KEEL, LT                 |
|      | 1   | 6A01359-036 | ANGLE MAIN KEEL, RT                 |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL                   |
| 10   | 1   | 8A01000-080 | ASSEMBLY-BULKHEAD STATION #5        |
|      | 1   | 6A01158-009 | BULKHEAD BOTTOM                     |
|      | 1   | 8A01005-097 | BULKHEAD TOP                        |
|      | 1   | 6A01359-018 | ANGLE MAIN KEEL, RT                 |
|      | 1   | 6A01359-019 | ANGLE MAIN KEEL, LT                 |

| ITEM | QTY | PART NO.    | PART DESCRIPTION                    |
|------|-----|-------------|-------------------------------------|
|      | 1   | 6A01359-020 | ANGLE SISTER KEEL                   |
|      | 1   | 6A01359-021 | ANGLE SISTER KEEL                   |
| 11   | 1   | 8A01000-081 | ASSEMBLY-BULKHEAD STATION #6        |
|      | 1   | 6A01158-010 | BULKHEAD BOTTOM                     |
|      | 1   | 8A01005-098 | BULKHEAD SIDE                       |
|      | 1   | 8A01005-099 | BULKHEAD SIDE                       |
|      | 1   | 6A01359-002 | ANGLE MAIN KEEL                     |
|      | 1   | 6A01359-003 | ANGLE MAIN KEEL                     |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL                   |
| 12   | 1   | 8A01000-082 | ASSEMBLY-BULKHEAD STATION #7        |
|      | 1   | 6A01158-011 | BULKHEAD BOTTOM #7, FWD             |
|      | 1   | 6A01158-012 | BULKHEAD BOTTOM #7, AFT             |
|      | 1   | 8A01005-100 | BULKHEAD SIDE, RT                   |
|      | 1   | 8A01005-101 | BULKHEAD SIDE, LT                   |
|      | 1   | 6A01359-002 | ANGLE MAIN KEEL                     |
|      | 1   | 6A01359-003 | ANGLE MAIN KEEL                     |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL                   |
| 13   | 1   | 8A01000-083 | ASSEMBLY-BULKHEAD STATION #8 LT.    |
|      | 1   | 8A01000-180 | ASSEMBLY-BULKHEAD STATION #8 RT.    |
|      | 1   | 6A01158-014 | BULKHEAD BOTTOM #8, AFT             |
|      | 1   | 6A01158-013 | BULKHEAD BOTTOM #8-1, FWD           |
|      | 1   | 8A01005-102 | BULKHEAD TOP                        |
|      | 1   | 8A01359-060 | ANGLE SISTER KEEL                   |
|      | 1   | 8A01359-061 | ANGLE SISTER KEEL                   |
|      | 1   | 8A01359-058 | ANGLE MAIN KEEL, RT                 |
|      | 1   | 8A01359-059 | ANGLE MAIN KEEL, LT                 |
|      | 1   | 8A01357-009 | ANGLE PANEL, LT                     |
|      | 1   | 8A01357-010 | ANGLE PANEL, RT                     |
|      | 2   | 8A01352-012 | ANGLE BAGGAGE FLOOR                 |
|      | 1   | 8A01012-001 | PANEL LEFT                          |
|      | 1   | 8A01012-002 | PANEL RIGHT                         |
| 14   | 1   | 8A01000-084 | ASSEMBLY-FT. SPREADER BAR PANEL-RT. |
|      | 1   | 8A01012-004 | PANEL                               |
|      | 1   | 8A01357-011 | PANEL ARM                           |
|      | 1   | 8A01357-012 | PANEL ARM                           |
|      | 1   | 8A01000-085 | ASSEMBLY-FT. SPREADER BAR PANEL-LT. |
|      | 1   | 8A01012-003 | PANEL                               |
|      | 1   | 8A01357-012 | PANEL ARM                           |
|      | 1   | 8A01357-011 | PANEL ARM                           |
| 15   | 1   | 8A01000-086 | ASSEMBLY-BULKHEAD STATION #9        |
|      | 1   | 8A01158-131 | BULKHEAD BOTTOM #9                  |

| ITEM | QTY | PART NO.    | PART DESCRIPTION              |
|------|-----|-------------|-------------------------------|
|      | 1   | 8A01158-130 | BULKHEAD BOTTOM #9-1          |
|      | 1   | 8A01005-103 | BULKHEAD SIDE                 |
|      | 1   | 8A01005-104 | BULKHEAD SIDE                 |
|      | 1   | 6A01359-002 | ANGLE MAIN KEEL               |
|      | 1   | 6A01359-003 | ANGLE MAIN KEEL               |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL             |
| 16   | 1   | 8A01000-087 | ASSEMBLY-BULKHEAD STATION #10 |
|      | 2   | 6A01158-017 | BULKHEAD BOTTOM               |
|      | 1   | 8A01005-105 | BULKHEAD SIDE, LT             |
|      | 1   | 8A01005-106 | BULKHEAD SIDE, RT             |
|      | 1   | 6A01359-002 | ANGLE MAIN KEEL               |
|      | 1   | 6A01359-003 | ANGLE MAIN KEEL               |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL             |
| 17   | 1   | 8A01000-088 | ASSEMBLY-BULKHEAD STATION #11 |
|      | 2   | 8A01158-128 | BULKHEAD BOTTOM               |
|      | 1   | 8A01005-107 | BULKHEAD TOP                  |
|      | 2   | 6A01359-004 | ANGLE TOP RAIL                |
|      | 2   | 8A01352-013 | ANGLE BAGGAGE FLOOR           |
|      | 1   | 6A01359-024 | ANGLE MAIN KEEL, RT           |
|      | 1   | 6A01359-025 | ANGLE MAIN KEEL, LT           |
|      | 1   | 8A01359-062 | ANGLE SISTER KEEL             |
|      | 1   | 8A01359-063 | ANGLE SISTER KEEL             |
| 18   | 1   | 8A01000-089 | ASSEMBLY-BULKHEAD STATION #12 |
|      | 2   | 8A01158-128 | BULKHEAD BOTTOM               |
|      | 1   | 8A01005-108 | BULKHEAD SIDE, RT             |
|      | 1   | 8A01005-109 | BULKHEAD SIDE, LT             |
|      | 1   | 8A01359-064 | ANGLE MAIN KEEL               |
|      | 1   | 8A01359-065 | ANGLE MAIN KEEL               |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL             |
| 19   | 1   | 8A01000-089 | ASSEMBLY-BULKHEAD STATION #13 |
|      | 2   | 8A01158-128 | BULKHEAD BOTTOM               |
|      | 1   | 8A01005-108 | BULKHEAD SIDE, RT             |
|      | 1   | 8A01005-109 | BULKHEAD SIDE, LT             |
|      | 1   | 8A01359-064 | ANGLE MAIN KEEL               |
|      | 1   | 8A01359-065 | ANGLE MAIN KEEL               |
|      | 2   | 6A01359-001 | ANGLE SISTER KEEL             |
| 20   | 1   | 8A01000-090 | ASSEMBLY-BULKHEAD STATION #14 |
|      | 2   | 8A01158-128 | BULKHEAD BOTTOM               |
|      | 1   | 8A01005-241 | BULKHEAD TOP                  |
|      | 1   | 6A01359-024 | ANGLE MAIN KEEL, RT           |
|      | 1   | 6A01359-025 | ANGLE MAIN KEEL, LT           |

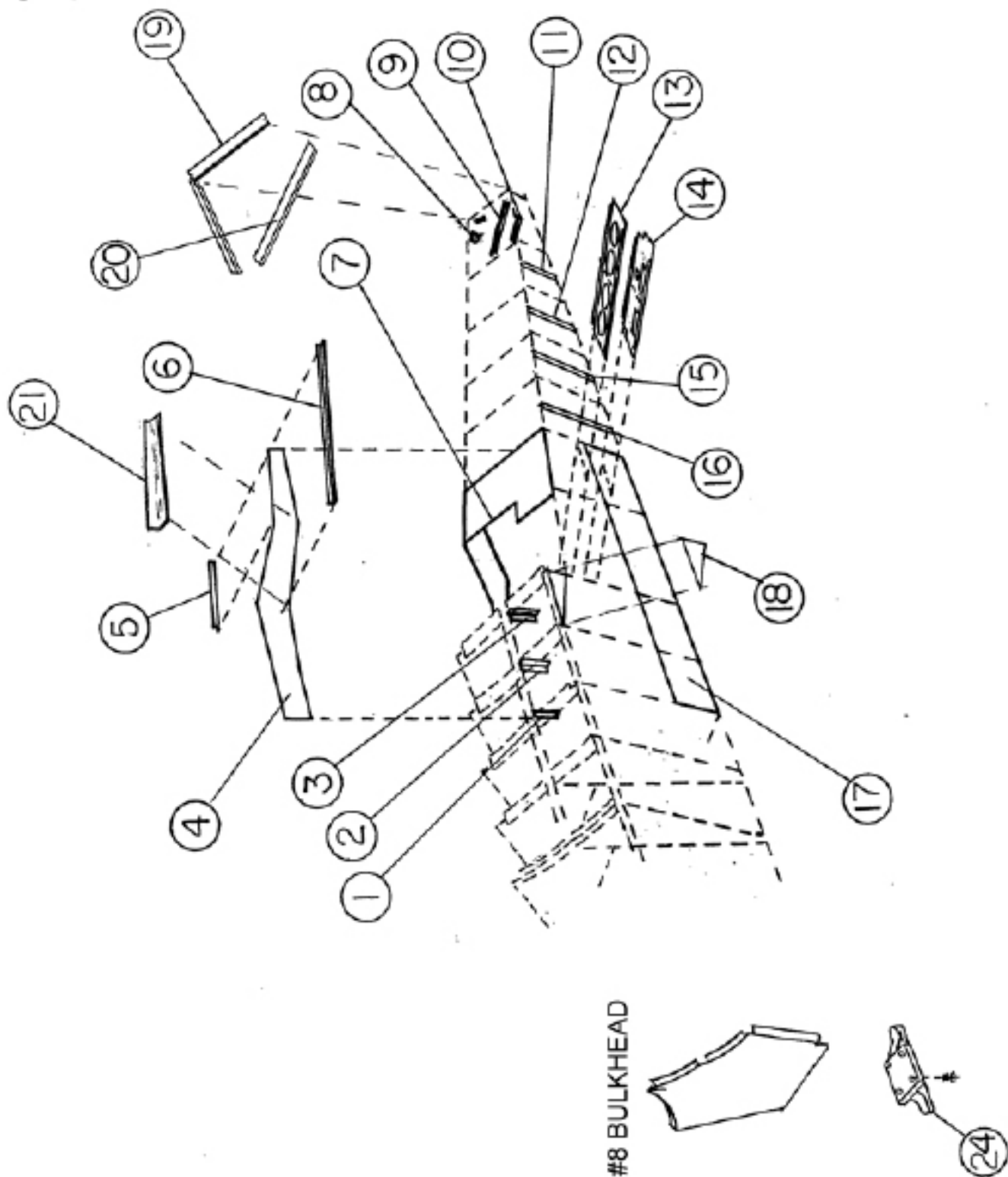
| ITEM   | QTY | PART NO.      | PART DESCRIPTION                 |
|--------|-----|---------------|----------------------------------|
|        | 1   | 8A01359-062   | ANGLE SISTER KEEL                |
|        | 1   | 8A01359-063   | ANGLE SISTER KEEL                |
|        | 1   | 8A01359-090   | ANGLE HORZ. UPPER                |
|        | 1   | 8A01359-091   | ANGLE HORZ. LOWER                |
|        | 1   | 8A01348-004   | ANGLE TUNNEL                     |
|        | 1   | 8A01008-060   | COVER ACCESS                     |
|        | 2   | 6A01359-004   | ANGLE TOP RAIL                   |
| 21     | 1   | 8A01000-091   | ASSEMBLY-BULKHEAD STATION #15    |
|        | 2   | 8A01158-128   | BULKHEAD BOTTOM                  |
|        | 1   | 8A01005-110   | BULKHEAD SIDE, RT                |
|        | 1   | 8A01005-111   | BULKHEAD SIDE, LT                |
|        | 1   | 8A01359-064   | ANGLE MAIN KEEL                  |
|        | 1   | 8A01359-065   | ANGLE MAIN KEEL                  |
|        | 1   | 8A01359-077   | ANGLE CARRY THRU INBD.           |
|        | 1   | 8A01359-078   | ANGLE CARRY THRU INBD.           |
|        | 1   | 8A01359-079   | ANGLE CARRY THRU OTBD.           |
|        | 1   | 8A01359-080   | ANGLE CARRY THRU OTBD.           |
|        | 1   | 8A01359-066   | ANGLE HORZ.                      |
| 22     | 1   | 8A01000-092   | ASSEMBLY-BULKHEAD STATION #16    |
|        | 2   | 8A01158-128   | BULKHEAD BOTTOM                  |
|        | 1   | 8A01005-112   | BULKHEAD TOP                     |
|        | 1   | 8A01357-014   | ANGLE SISTER KEEL                |
|        | 1   | 8A01357-015   | ANGLE SISTER KEEL                |
|        | 1   | 6A01359-024   | ANGLE MAIN KEEL                  |
|        | 1   | 6A01359-025   | ANGLE MAIN KEEL                  |
|        | 2   | 8A01357-013   | ANGLE TRUNION HORZ.              |
|        | 1   | 8A01359-067   | ANGLE HORZ. UPPER                |
|        | 1   | 8A01359-068   | ANGLE HORZ. LOWER                |
|        | 1   | 8A01008-096   | ANGLE AFTERBODY ATTACH           |
|        | 1   | 8A01008-097   | ANGLE AFTERBODY ATTACH           |
|        | 2   | 4A01008-107   | DOUBLER BRAKE LINE               |
|        | 2   | 8A04211-001   | TRUNION                          |
|        | 2   | 8A01214-002   | ANGLE BOTTOM FLANGE              |
|        | 8   | AN4-11A       | BOLT                             |
|        | 16  | NAS1149D0463J | WASHER                           |
|        | 8   | MS21045-4     | NUT                              |
| 23 LT. | 1   | 8A01000-105   | ASSEMBLY-MIDDLE STRUT PANEL-LEFT |
|        | 1   | 8A01012-007   | PANEL, STRUT, CENTER REAR, RT    |
|        | 1   | 8A01012-010   | PANEL, STRUT, REAR FRONT, RT     |
|        | 1   | 8A01012-011   | ARM PANEL, CENTER, LT            |
|        | 1   | 8A01012-012   | ARM PANEL                        |

| ITEM   | QTY | PART NO.    | PART DESCRIPTION                    |
|--------|-----|-------------|-------------------------------------|
| 23 RT. | 1   | 8A01000-104 | ASSEMBLY-MIDDLE STRUT PANEL-RIGHT   |
|        | 1   | 8A01012-008 | PANEL, STRUT, CENTER FRONT, RT      |
|        | 1   | 8A01012-009 | PANEL, STRUT, REAR RT               |
|        | 1   | 8A01012-011 | ARM PANEL, CENTER LT                |
|        | 1   | 8A01012-012 | ARM PANEL                           |
| 24 LT. | 1   | 8A01000-093 | ASSEMBLY-BULKHEAD STATION #17 LEFT  |
|        | 1   | 8A01008-025 | BULKHEAD TOP LEFT                   |
|        | 1   | 8A01002-041 | PANEL LOWER                         |
|        | 1   | 8A01426-003 | ANGLE SLIDE TUBE, LT                |
|        | 1   | 8A01426-004 | ANGLE SLIDE TUBE, RT                |
|        | 1   | 8A01359-069 | ANGLE CARRY THRU STRAP              |
|        | 1   | 8A01359-070 | ANGLE CARRT THRU STRAP              |
|        | 1   | 8A01359-071 | ANGLE HORZ.                         |
|        | 1   | 8A01359-072 | ANGLE HORZ. WHEEL WELL, RT          |
|        | 1   | 8A01359-073 | ANGLE HORZ. WHEEL WELL, LT          |
|        | 1   | 8A01361-023 | ANGLE SISTER KEEL                   |
|        | 1   | 8A01361-024 | ANGLE SISTER KEEL                   |
| 24 RT. | 1   | 8A01000-228 | ASSEMBLY-BULKHEAD STATION #17 RIGHT |
|        | 1   | 8A01008-130 | BULKHEAD TOP RIGHT                  |
|        | 1   | 8A01002-041 | PANEL LOWER                         |
|        | 1   | 8A01426-003 | ANGLE SLIDE TUBE, LT                |
|        | 1   | 8A01426-004 | ANGLE SLIDE TUBE, RT                |
|        | 1   | 8A01359-069 | ANGLE CARRY THRU STRAP              |
|        | 1   | 8A01359-070 | ANGLE CARRT THRU STRAP              |
|        | 1   | 8A01359-071 | ANGLE HORZ.                         |
|        | 1   | 8A01359-072 | ANGLE HORZ. WHEEL WELL, RT          |
|        | 1   | 8A01359-073 | ANGLE HORZ. WHEEL WELL, LT          |
|        | 1   | 8A01361-023 | ANGLE SISTER KEEL                   |
|        | 1   | 8A01361-024 | ANGLE SISTER KEEL                   |
| 25 RT. | 1   | 8A01000-106 | ASSEMBLY-AFT.STRUT PANEL-RIGHT      |
|        | 1   | 8A01012-007 | PANEL                               |
|        | 1   | 8A01012-010 | PANEL                               |
|        | 1   | 8A01012-013 | ARM PANEL                           |
|        | 1   | 8A01012-014 | ARM PANEL                           |
| 25 LT. | 1   | 8A01000-107 | ASSEMBLY-AFT.STRUT PANEL-LEFT       |
|        | 1   | 8A01012-008 | PANEL                               |
|        | 1   | 8A01012-009 | PANEL                               |
|        | 1   | 8A01012-013 | ARM PANEL                           |
|        | 1   | 8A01012-014 | ARM PANEL                           |
| 26 RT. | 1   | 8A01000-094 | ASSEMBLY-BULKHEAD STATION #18 RIGHT |
|        | 1   | 8A01002-042 | BULKHEAD BODY RIGHT                 |

| ITEM   | QTY | PART NO.    | PART DESCRIPTION                    |
|--------|-----|-------------|-------------------------------------|
|        | 6   | 6A01359-004 | ANGLE ATTACH                        |
| 26 LT. | 1   | 8A01000-213 | ASSEMBLY-BULKHEAD STATION #18 LEFT  |
|        | 1   | 8A01002-107 | BULKHEAD BODY LEFT                  |
|        | 6   | 6A01359-004 | ANGLE ATTACH                        |
| 27 LT. | 1   | 8A01000-095 | ASSEMBLY-BULKHEAD STATION #19 LEFT  |
|        | 1   | 8A01002-043 | BULKHEAD BODY LEFT                  |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
| 27 RT. | 1   | 8A01000-212 | ASSEMBLY-BULKHEAD STATION #19 RIGHT |
|        | 1   | 8A01002-104 | BULKHEAD BODY RIGHT                 |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
| 28 RT. | 1   | 8A01000-096 | ASSEMBLY-BULKHEAD STATION #20 RIGHT |
|        | 1   | 8A01002-044 | BULKHEAD BODY RIGHT                 |
|        | 1   | 8A01156-074 | DOUBLER CABLE                       |
|        | 2   | 3A01151-010 | BRACKET PULLEY                      |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
|        | 1   | MS24665-136 | COTTER PIN                          |
| 28 LT. | 1   | 8A01000-179 | ASSEMBLY-BULKHEAD STATION #20 LEFT  |
|        | 1   | 8A01002-103 | BULKHEAD BODY LEFT                  |
|        | 1   | 8A01156-074 | DOUBLER CABLE                       |
|        | 2   | 3A01151-010 | BRACKET PULLEY                      |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
|        | 1   | MS24665-136 | COTTER PIN                          |
| 29 LT. | 1   | 8A01000-097 | ASSEMBLY-BULKHEAD STATION #21 LEFT  |
|        | 1   | 8A01002-045 | BULKHEAD BODY, LT                   |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
| 29 RT. | 1   | 8A01000-214 | ASSEMBLY-BULKHEAD STATION 21 RIGHT  |
|        | 1   | 8A01002-106 | BULKHEAD BODY, RT                   |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
| 30 RT. | 1   | 8A01000-098 | ASSEMBLY-BULKHEAD STATION #22 RIGHT |
|        | 1   | 8A01002-046 | BULKHEAD BODY RIGHT                 |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
|        | 2   | 3A01151-010 | BRACKET PULLEY                      |
|        | 1   | 8A01003-032 | DOUBLER PULLEY BRACKET, RT          |
|        | 1   | MS24665-136 | COTTER PIN                          |
| 30 LT. | 1   | 8A01000-181 | ASSEMBLY-BULKHEAD STATION #22 LEFT  |
|        | 1   | 8A01002-105 | BULKHEAD BODY LEFT                  |
|        | 4   | 6A01359-004 | ANGLE ATTACH                        |
|        | 2   | 3A01151-010 | BRACKET PULLEY                      |
|        | 1   | 8A01003-031 | DOUBLER PULLEY BRACKET, LT          |
|        | 1   | MS24665-136 | COTTER PIN                          |
| 31     | 1   | 8A01000-099 | ASSEMBLY-BULKHEAD STATION #23       |

| ITEM | QTY | PART NO.    | PART DESCRIPTION               |
|------|-----|-------------|--------------------------------|
|      | 1   | 8A01002-047 | BULKHEAD BODY                  |
|      | 4   | 6A01359-004 | ANGLE ATTACH                   |
|      | 1   | 3A01437-001 | CASTING PIVOT                  |
|      | 1   | 8A01361-021 | ANGLE AFTERBODY, LT            |
|      | 1   | 8A01361-022 | ANGLE AFTERBODY, RT            |
|      | 1   | 6A01352-004 | ANGLE TOP REINFORCEMENT        |
|      | 1   | 8A01359-074 | ANGLE HORZ.                    |
| 32   | 1   | 8A01000-101 | PANEL ASSY, SPREADER BAR       |
|      | 1   | 8A01012-006 | PANEL, SPREADER BAR, REAR RT   |
|      | 1   | 8A01357-016 | ANGLE, SPREADER BAR PANEL, AFT |
|      | 1   | 8A01357-017 | ANGLE, SPREADER BAR PANEL, AFT |

## SKIN DOUBLERS, STIFFENERS, STRUCTURAL SUPPORT



| ITEM | QTY | PART NO.     | PART DESCRIPTION                       |
|------|-----|--------------|----------------------------------------|
| 1    | 2   | 8A01156-034  | SPACER                                 |
| 2    | 1   | 8A01359-080  | ANGLE, CARRY THRU, OTBD, RT            |
|      | 1   | 8A01359-079  | ANGLE, CARRY THRU, OTBD, LT            |
|      | 1   | 8A01359-077  | ANGLE, CARRY THRU, INBD, LT            |
|      | 1   | 8A01359-078  | ANGLE, CARRY THRU, INBD, RT            |
| 3    | 1   | 8A01359-081  | ANGLE, CARRY THRU, LT                  |
|      | 1   | 8A01359-082  | ANGLE, CARRY THRU, RT                  |
| 4    | 2   | 8A01001-006  | CARRY THRU STRAP                       |
| 5    | 2   | 6A01008-070  | ANGLE, STRAP-ANGLE, CARRY THRU         |
| 6    | 1   | 8A01008-026  | ANGLE-CARRYTHRU TO SKIN OUTBOARD-RIGHT |
|      | 1   | 8A01008-027  | ANGLE-CARRYTHRU TO SKIN INBOARD-LEFT   |
| 7    | 1   | 8A01008-032  | DOUBLER, AFTERBODY SKIN                |
| 8    | 1   | 8A01002-049  | GUSSET, LT                             |
|      | 1   | 8A01002-050  | GUSSET, RT                             |
|      | 2   | 8A01163-025  | SPACER                                 |
| 9    | 1   | 8A01359-074  | ANGLE, HORIZONTAL, BULKHEAD #23        |
| 10   | 1   | 6A01352-004  | ANGLE, TOP SKIN REINFORCEMENT          |
| 11   | 2   | 8A01151-058  | STIFFENER, SIDE SKIN                   |
| 12   | 2   | 8A01151-057  | STIFFENER, SIDE SKIN                   |
| 13   | 1   | 8A01000-109  | ASSY, BRACE PANEL, LOWER               |
| 14   | 1   | 8A01000-108  | ASSY, BRACE PANEL, UPPER               |
| 15   | 2   | 8A01151-056  | STIFFENER, SIDE SKIN                   |
| 16   | 2   | 8A01151-055  | STIFFENER, SIDE SKIN                   |
| 17   | 1   | 8A01008-033  | DOUBLER, SIDE SKIN, OTBD, LT           |
|      | 1   | 8A01008-034  | DOUBLER, SIDE SKIN, OTBD, RT           |
|      | 1   | 8A01008-035  | DOUBLER, SIDE SKIN, INBD, LT           |
|      | 1   | 8A01008-036  | DOUBLER, SIDE SKIN, INBD, RT           |
| 18   | 2   | 8A01002-100  | DOUBLER, STEP SIDE                     |
| 19   | 2   | 8A01156-036  | SPACER, SKIN, AFT                      |
| 20   | 1   | 8A01156-035  | SPACER, SKIN, TOP                      |
| 21   | 1   | 8A01008-030  | ANGLE, CARRY THRU STRAP, RT            |
|      | 1   | 8A01008-031  | ANGLE, CARRY THRU STRAP, LT            |
| 22   | 1   | 8A01156-031  | REINFORCEMENT, REAR CLEAT              |
| 23   | 1   | 8A01156-033  | SPACER, CLEAT REINFORCEMENT, AFT       |
| 24   | 2   | 6A01213-003  | CLEAT, TIE DOWN                        |
|      | 4   | AN4-7A       | BOLT                                   |
|      | 8   | NAS1149F0416 | WASHER                                 |
|      | 4   | MS21044N4    | NUT                                    |
| 25   | 2   | 8A01008-136  | FLOOR, BAGGAGE COMP., AFT, RT          |
|      | 2   | 8A01008-137  | FLOOR, BAGGAGE COMP., FWD, LT          |

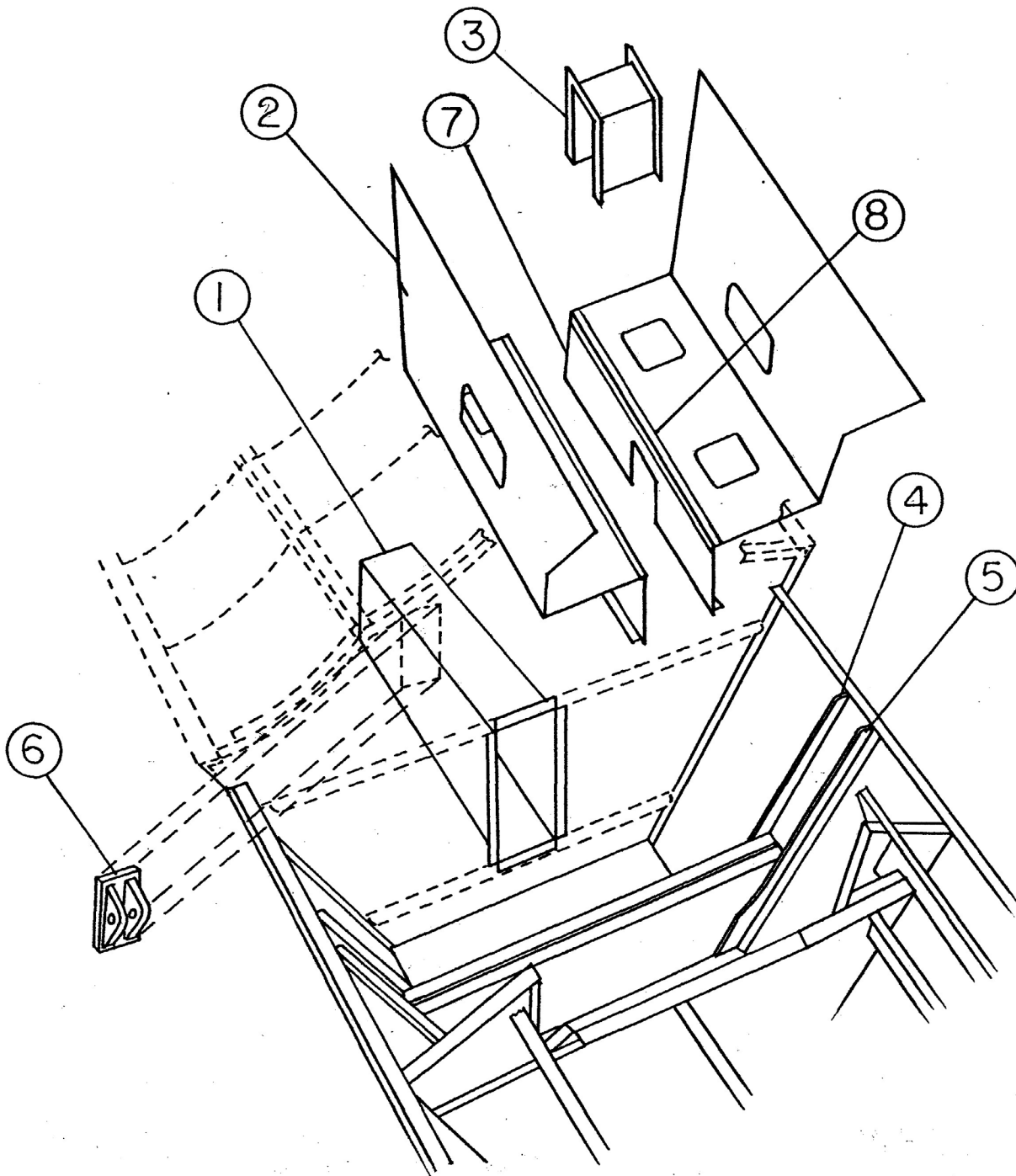
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**SECTION 2**  
**WHEEL WELL ASSEMBLY**

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## WHEEL WELL AREA



| ITEM  | QTY | PART NO.      | PART DESCRIPTION                        |
|-------|-----|---------------|-----------------------------------------|
| 1     | 1   | 8A01000-110   | TUNNEL ASSY.                            |
|       | 1   | 6A01201-001   | FITTING, FWD, SLIDE TUBE                |
|       | 1   | 6A01005-054   | COVER, TUNNEL                           |
|       | A/R | AN526-632R4   | SCREW, COVER ATTACH                     |
| 2 LT. | 1   | 8A01000-111   | ASSY, WHEEL WELL HALF, LT (UPPER)       |
|       | 1   | 8A01005-115   | WHEEL WELL HALF, LT                     |
|       | 1   | 6A01156-014   | COVER-RING                              |
|       | 2   | 6A01156-013   | COVER-RING                              |
| 2 RT. | 1   | 8A01000-112   | ASSEMBLY-WHEEL WELL HALF-RIGHT (UPPER)  |
|       | 1   | 8A01005-116   | WHEEL WELL HALF, RT                     |
|       | 1   | 6A01156-014   | COVER-RING                              |
|       | 2   | 6A01156-013   | COVER-RING                              |
|       | 1   | 6A01158-151   | COVER-ACCESS (5"X 8")                   |
|       | A/R | AN526C632R4   | SCREW-COVER ATTACH                      |
|       | 2   | 6A01158-152   | COVER-ACCESS (5"X 5")                   |
| 3     | 1   | 8A01158-045   | COVER, SPREADER BAR PANEL               |
| 4     | 1   | 8A01000-101   | ASSY, SPREADER BAR PANEL, FWD, LT       |
|       | 1   | 8A01000-100   | ASSY, SPREADER BAR PANEL, FWD, RT       |
| 5     | 1   | 8A01000-103   | ASSY, SPREADER BAR PANEL, REAR, AFT, LT |
|       | 1   | 8A01000-102   | ASSY, SPREADER BAR PANEL, REAR, AFT, RT |
| 6     | 2   | 8A04211-001   | TRUNION-MAIN GEAR                       |
|       | 4   | AN4-11A       | BOLT-ATTACH                             |
|       | 8   | NAS1149D0463J | WASHER                                  |
|       | 4   | MS21044N4     | NUT                                     |
| 7     | 1   | 8A01000-127   | ASSY, WHEEL WELL HALF LT. LOWER         |
|       | 1   | 8A01000-128   | ASSY, WHEEL WELL HALF RT. LOWER         |
| 8     | 1   | 8A01340-026   | ANGLE WHELL WELL                        |
|       | 1   | 8A01340-027   | ANGLE WHEEL WELL                        |

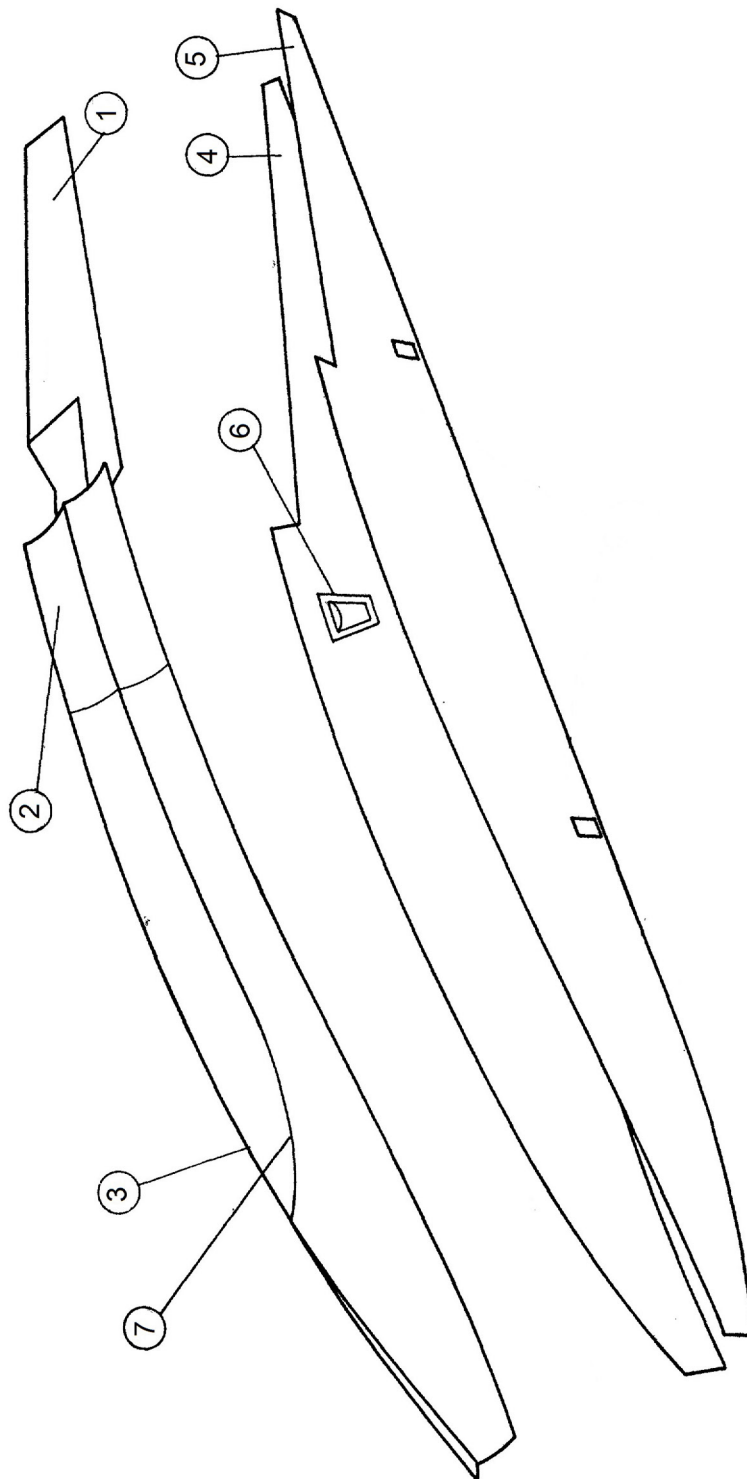
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**SECTION 3**  
**SKINS**

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## BOTTOM AND SIDE SKINS



PARTS MANUAL  
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| ITEM | QTY | PART NO.    | PART DESCRIPTION         |
|------|-----|-------------|--------------------------|
| 1    | 1   | 8A01158-138 | SKIN-AFT, RT             |
|      | 1   | 8A01158-139 | SKIN-AFT, LT             |
| 2    | 2   | 8A01002-048 | SPLICE – BOTTOM SKIN     |
| 3    | 1   | 8A01151-059 | BOTTOM SKIN, LT          |
|      | 1   | 8A01151-060 | BOTTOM SKIN, RT          |
| 4    | 1   | 8A01158-024 | SKIN, SIDE OUTBOARD, RT  |
|      | 1   | 8A01158-023 | SKIN, SIDE OUTBOARD, LT  |
| 5    | 1   | 8A01158-022 | SKIN, SIDE INBOARD, RT   |
|      | 1   | 8A01158-021 | SKIN, SIDE INBOARD, LT   |
| 6    | 2   | 3A01000-005 | STEP – BOARDING          |
| 7    | 1   | 8A01002-096 | DOUBLER, BOTTOM SKIN, RT |
|      | 1   | 8A01002-095 | DOUBLER, BOTTOM SKIN, LT |

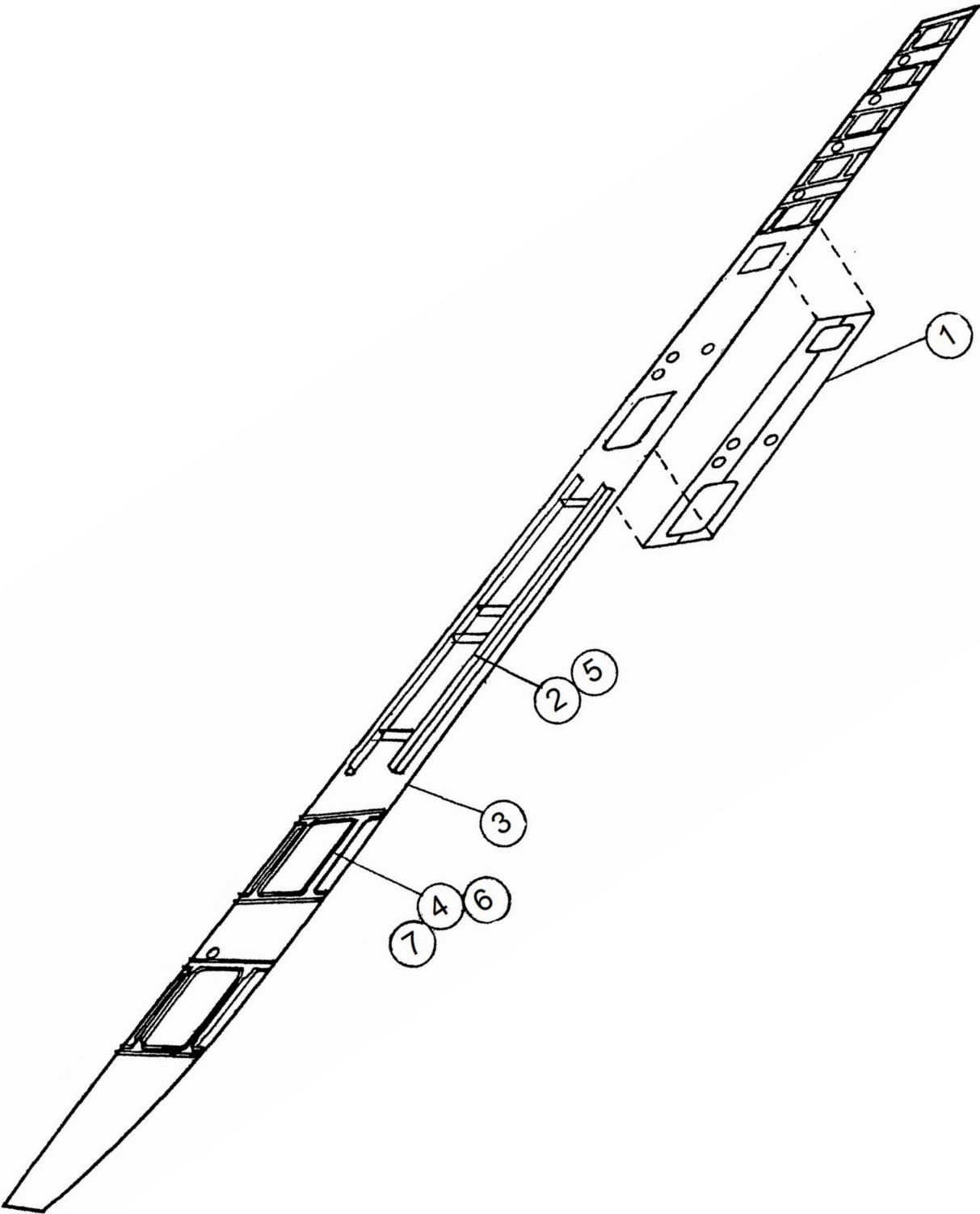
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## **SECTION 4 TOP DECK ASSEMBLY**

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TOP DECK



| ITEM  | QTY   | PART NO.       | PART DESCRIPTION                       |
|-------|-------|----------------|----------------------------------------|
| 1     | 1     | 8A01001-009    | DOUBLER-TOP SKIN, INBOARD, LT          |
|       | 1     | 8A01001-011    | DOUBLER-TOP SKIN, OUTBOARD, LT         |
|       | 1     | 8A01001-008    | DOUBLER-TOP SKIN, INBOARD, RT          |
| 2     | 1     | 8A01001-010    | DOUBLER, TOP SKIN, OUTBOARD, RT        |
|       | 1     | 8A01348-006    | ANGLE, BAGGAGE COMPARTMENT, INBOARD    |
|       | 1     | 8A01348-005    | ANGLE, BAGGAGE COMPARTMENT, INBOARD    |
|       | 4     | 8A01352-014    | ANGLE, TOP SKIN, BAGGAGE COMPARTMENT   |
| 3     | 1     | 8A01158-026    | SKIN, TOP, RT                          |
|       | 1     | 8A01158-025    | SKIN, TOP, LT                          |
| 4     | 7     | 8A01000-113    | ASSY, REINFORCEMENT, INSPECTION COVER  |
|       | 14    | 8A01352-019    | ANGLE, COVER REINFORCEMENT             |
| 5     | 2     | 8A01000-115    | ASSY, BAGGAGE COVER (PRE SEPT. 1989)   |
|       | 2     | 6A01000-166    | ASSY, BAGGAGE LATCH, SOUTHCO (PLASTIC) |
|       | 1     | 1 1/2"         | HINGE – SHEPPARD CO. (PLASTIC)         |
|       | 2     | 8A01000-126    | ASSY, BAGGAGE COVER (AFTER SEPT. 1989) |
|       | 1     | 8A01740-002    | HINGE TOP                              |
|       | 1     | 8A01741-002    | HINGE BOTTOM                           |
|       | 2.06' | 1002186        | HINGE PIN                              |
|       | 2     | 3A01525-003    | SPRING LOCK                            |
|       | 2     | 3A01273-004    | LOCK INSERT                            |
|       | 2     | 3A01702-004    | LOCK CATCH                             |
|       | 2     | 1002663        | RING LOCK OPENING                      |
|       | 2     | 3A01206-001    | BLOCK RETAINER                         |
|       | 1     | 1001571        | GASKET                                 |
|       | 18    | 01692-0410     | POP RIVETS                             |
|       | 2     | 8A01004-023    | STIFFENER, BAG COVER, VERT             |
|       | 1     | 8A01004-024    | STIFFENER, BAGGAGE, FWD                |
|       | 2     | 8A01004-069    | STIFFENER, BAGGAGE, CENTER & REAR      |
|       | 1     | 8A01162-003    | COVER, BAGGAGE                         |
|       | 2     | 10/32 X 1/2 SS | SCREW, BAGGAGE COVER                   |
| 6 SM. | 1     | 8A01000-114    | ASSEMBLY-INSPECTION COVER (SMALL)      |
|       | 1     | 8A01567-006    | COVER SEAL                             |
|       | 1     | 8A01163-005    | COVER, INSPECTION                      |
|       | 2     | 8A01340-021    | ANGLE, INSPECTION COVER                |
| 6 LG. | 1     | 8A01000-122    | INSPECTION COVER ASSEMBLY (LARGE)      |
|       | 1     | 8A01567-007    | INSPECTION COVER GASKETS               |
|       | 1     | 8A01163-006    | COVER, INSPECTION                      |
|       | 2     | 3A01340-014    | ANGLE, COVER MED. REINFORCEMENT        |
| 7     | A/R   | 9A3-671        | TINNERMAN NUT PLATE                    |
|       | A/R   | 9903-10-36     | TAPE INSULATOR                         |
|       | A/R   | 1002481        | TINNERMAN NUT WITH TAPE APPLIED        |

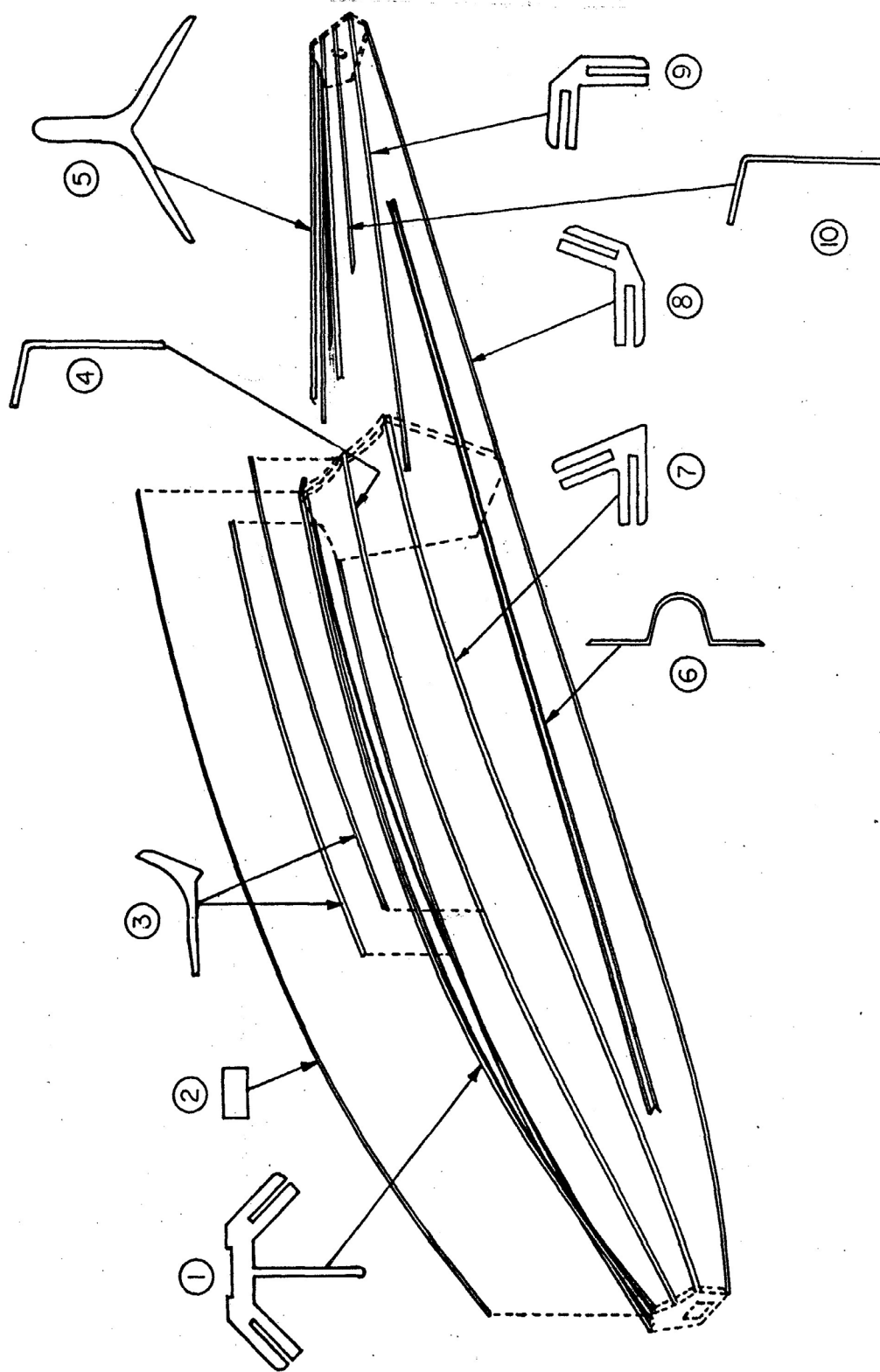
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## **SECTION 5 EXTRUSIONS**

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## HULL EXTRUSIONS



| ITEM | QTY | PART NO.       | PART DESCRIPTION           |
|------|-----|----------------|----------------------------|
| 1    | 1   | 8A01354-005    | KEEL-MAIN                  |
| 2    | 1   | 8A01200-003    | WEAR STRIP                 |
|      | 2   | MS24693S50     | SCREW-ATTACH               |
|      | 1   | 1838 B/A       | GLUE KIT                   |
| 3    | 1   | 8A01342-005    | SISTER KEEL, OUTER, LT     |
|      | 1   | 8A01342-006    | SISTER KEEL, OUTER, RT     |
| 4    | 1   | 8A01361-014    | SISTER KEEL, INNER, RT     |
|      | 1   | 8A01361-015    | SISTER KEEL, INNER, LT     |
| 5    | 1   | 8A01347-005    | KEEL, AFT                  |
| 6    | 1   | 8A01353-002    | STIFFENER, SIDE SKIN, RT   |
|      | 1   | 8A01353-003    | STIFFENER, SIDE SKIN, LT   |
| 7    | 1   | 8A01351-005    | CHINE, FWD, LT             |
|      | 1   | 8A01351-006    | CHINE, FWD, RT             |
| 8    | 1   | 8A01366-005    | GUNWALL, LT                |
|      | 1   | 8A01366-006    | GUNWALL, RT                |
| 9    | 1   | CHINE, AFT, LT | 8A01363-005                |
|      | 1   | CHINE, AFT, RT | 8A01363-006                |
| 10   | 1   | 8A01361-018    | SISTER KEEL, INBD, AFT, RT |
|      | 1   | 8A01361-019    | SISTER KEEL, INDB, AFT, LT |
|      | 1   | 8A01361-017    | SISTER KEEL, OTBD, AFT, LT |
|      | 1   | 8A01361-016    | SISTER KEEL, OTBD, AFT, RT |

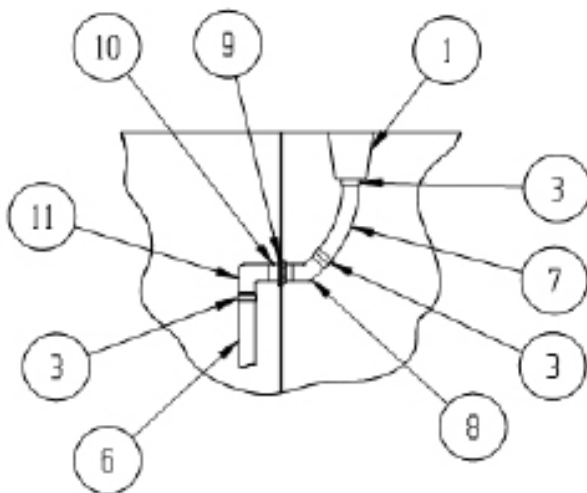
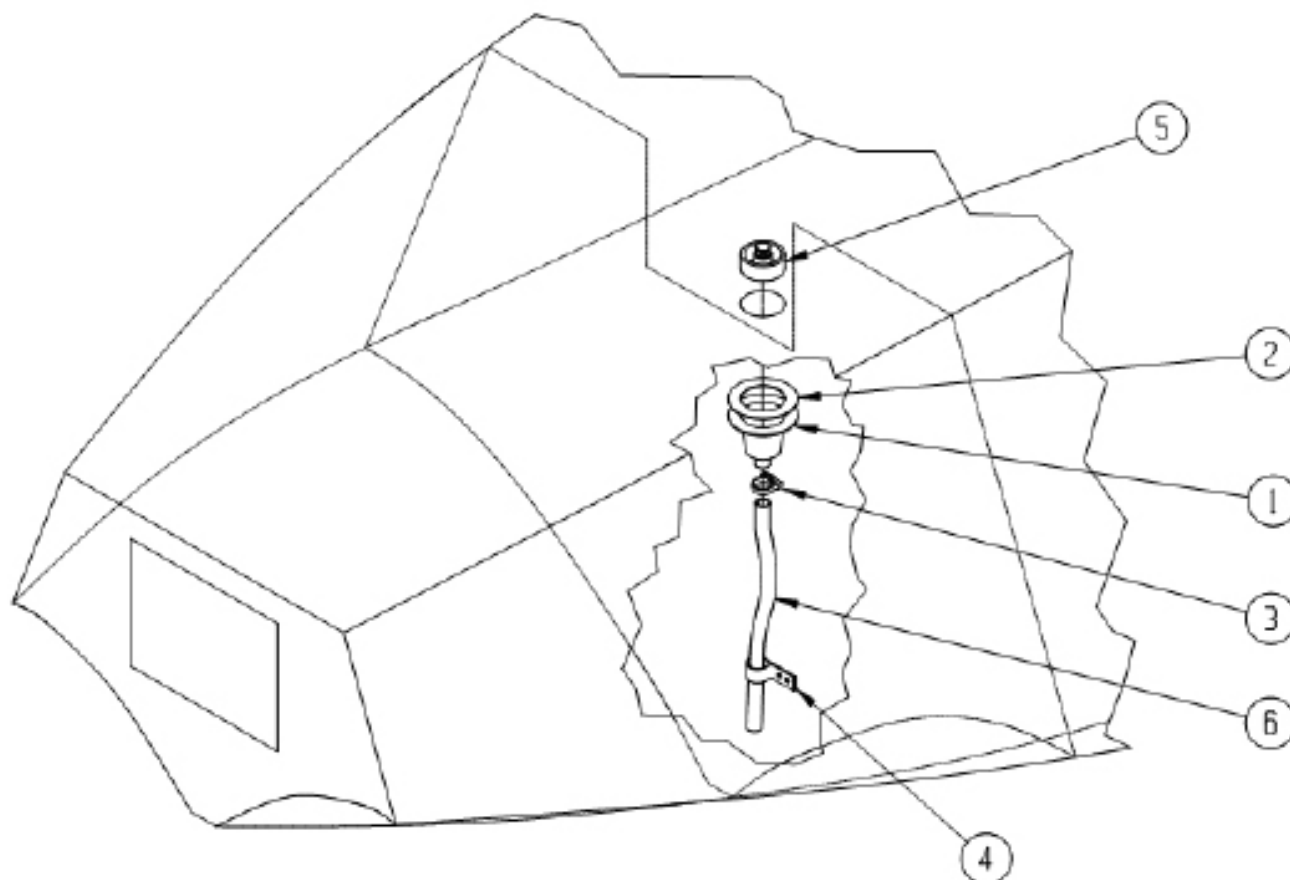
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**SECTION 6**  
**PUMPER TUBE INSTALLATION**

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## PUMPER TUBE



BULKHEAD #11 & #18

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| ITEM | QTY | PART NO.    | PART DESCRIPTION                                          |
|------|-----|-------------|-----------------------------------------------------------|
| 1    | 1   | 1011004     | ASSEMBLY, CUP, PUMPOUT, DUCKBILL                          |
|      | 1   | 4A01749-001 | PUMP-OUT CUP                                              |
|      | 1   | 1011808     | RETAINER, VALVE, DUCKBILL, PUMPOUT PLUG                   |
| 2    | 1   | 3A01158-005 | RING, REINFORCEMENT (PLASTIC CUPS ONLY)                   |
|      | A/R | AN470A4-5   | RIVETS (SOFT) (PLASTIC CUPS ONLY)                         |
| 3    | 1   | 57134       | CLAMP, PLASTIC, WHITE                                     |
| 4    | 1   | 3A01158-003 | CLAMP, PUMP OUT TUBE                                      |
| 5    | 1   | 1011870     | VALVE, DUCKBILL (NEW STYLE)                               |
|      | 1   | 2111        | STOPPER, PUMPER TUBE (OLD STYLE)                          |
| 6    | 1   | 8A01618-020 | PUMPER TUBE, STN #5, 30"                                  |
|      | 1   | 8A01618-021 | PUMPER TUBE, STN #8, 36.5"                                |
|      | 1   | 8A01618-022 | PUMPER TUBE, STN #11, 30.75" FRONT                        |
|      | 1   | 8A01618-023 | PUMPER TUBE, STN #11, 59" BACK                            |
|      | 1   | 8A01618-024 | PUMPER TUBE, STN #16/17, 37" FRONT                        |
|      | 2   | 8A01618-025 | PUMPER TUBE, STN W/W, 28.5"                               |
|      | 1   | 8S01618-032 | PUMPER TUBE, STN #16, 47.25" (USE IN PLACE OF -025 ABOVE) |
|      | 1   | 8A01618-027 | PUMPER TUBE, STN #18, 26.5"                               |
|      | 1   | 8A01618-028 | PUMPER TUBE, STN #19, 23"                                 |
|      | 1   | 8A01618-029 | PUMPER TUBE, STN #20, 19.5"                               |
|      | 1   | 8A01618-030 | PUMPER TUBE, STN #21, 16.5"                               |
|      | 1   | 8A01618-031 | PUMPER TUBE, STN #22, 12.5"                               |
| 7    | 2   | 9"          | GARDEN HOSE                                               |
| 8    | 2   | ½" PVC      | 45° ELBOW                                                 |
| 9    | 2   | MS35489-19  | GROMMET                                                   |
| 10   | 2   | 1 3/8"      | ½" PVC                                                    |
| 11   | 2   | ½" PVC      | 90° ELBOW (ENOUGH FOR EACH FLOAT STN 7-10)                |

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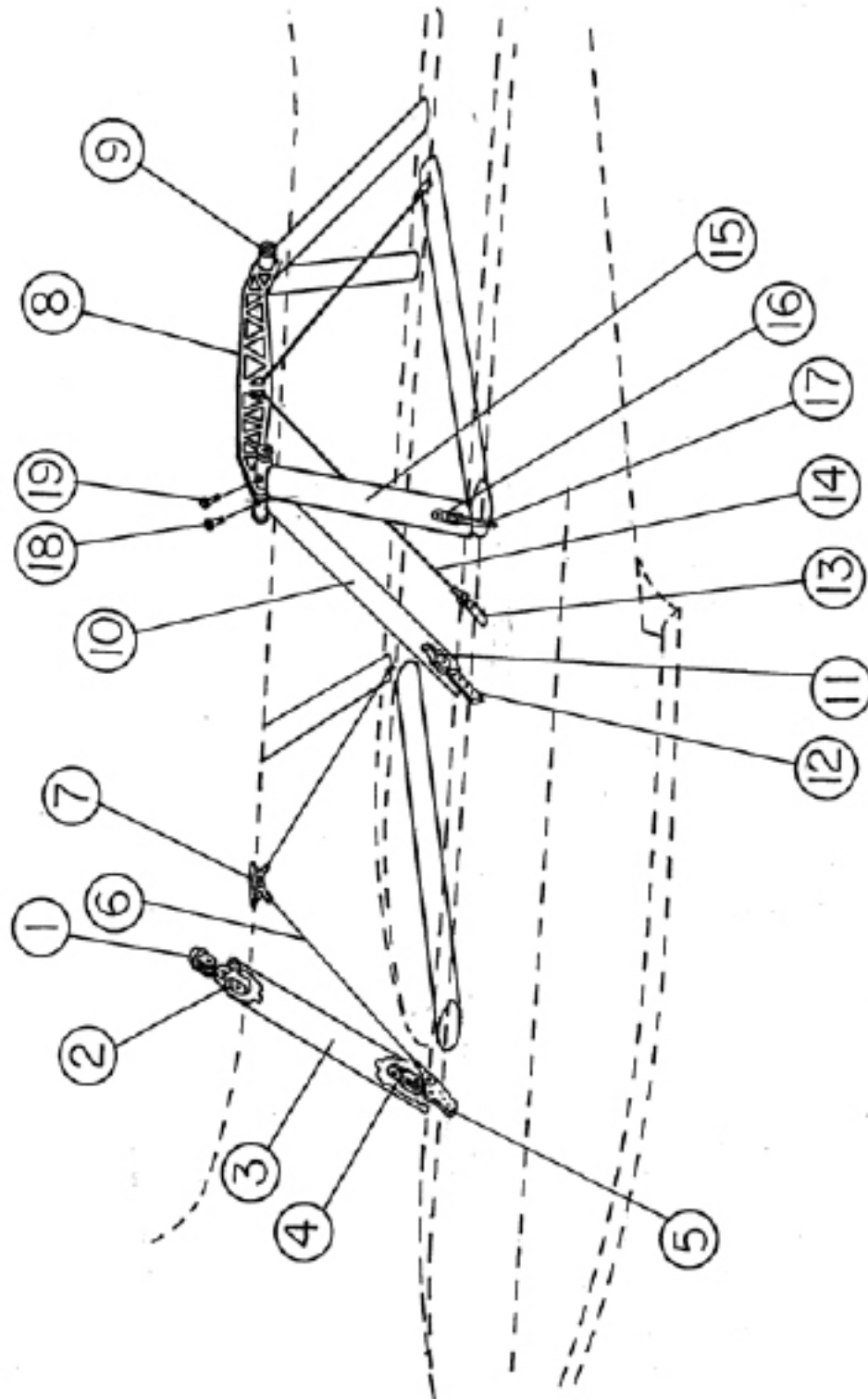
## **SECTION 7**

# **STRUTS, SPREADER BARS, AND STEPS**

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## STRUTS AND DRAG WIRES

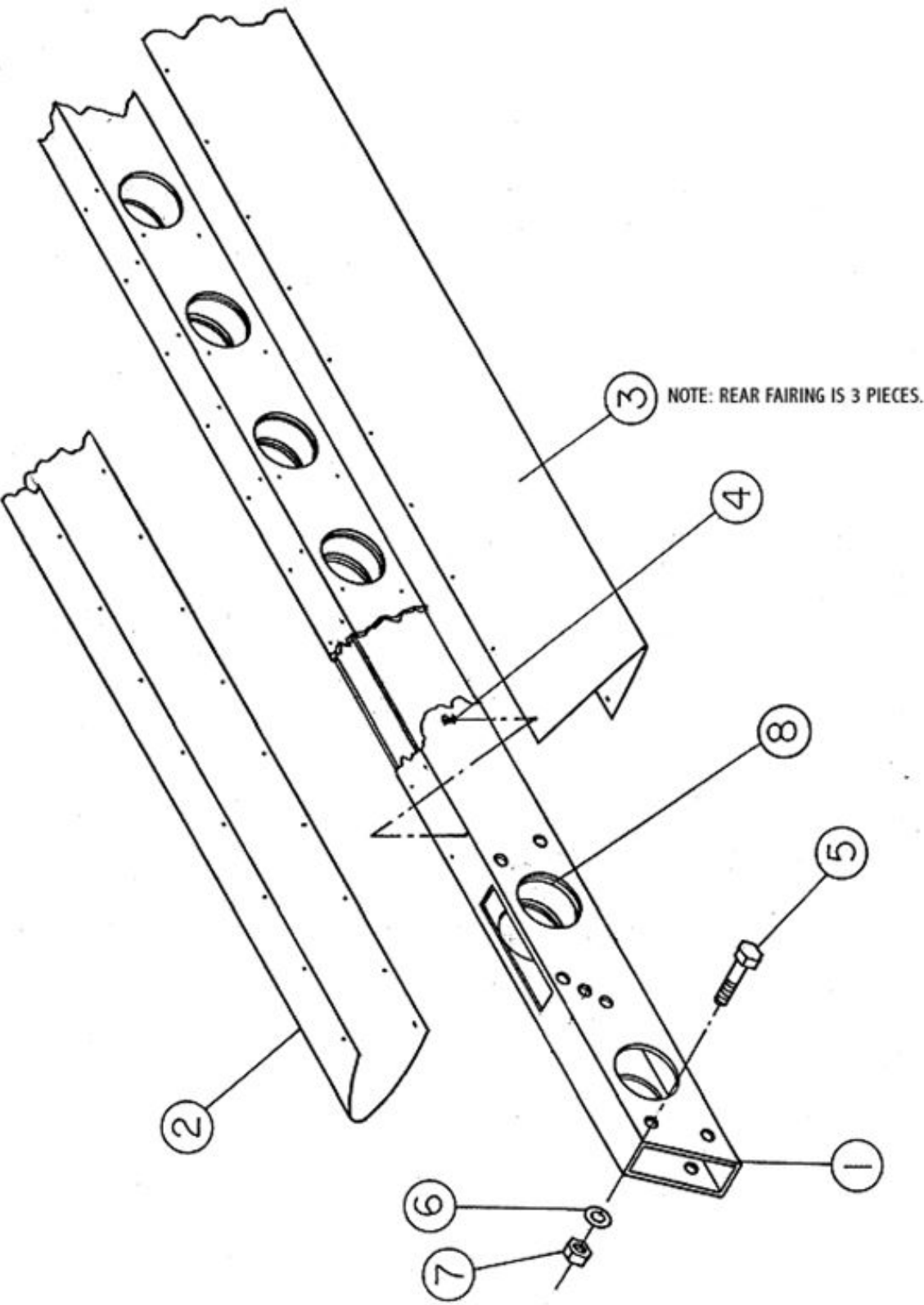


| ITEM  | QTY | PART NO.      | PART DESCRIPTION                                    |
|-------|-----|---------------|-----------------------------------------------------|
| 1     | 2   | 8A02195-006   | FITTING, STRUT TO FUSELAGE FWD                      |
|       | 2   | MS20008-15    | BOLT-ATTACH                                         |
|       | 2   | MS20002C8     | WASHER                                              |
|       | 2   | 8A02458-003   | BARREL NUT                                          |
|       | 2   | 2452-080RET   | RETAINER                                            |
| 2     | 2   | 8A02198-012   | FITTING, STRUT FWD UPPER                            |
|       | 2   | AN8-23A       | BOLT-ATTACH UPPER                                   |
|       | 2   | NAS1149D0863J | WASHER                                              |
|       | 2   | MS21044N8     | NUT                                                 |
|       | 2   | AN28-30A      | BOLT-ATTACH LOWER                                   |
|       | 4   | NAS1149D0816J | WASHER                                              |
|       | 2   | MS21083N8     | NUT                                                 |
| 3 RT. | 1   | 8A02000-036   | ASSY, FRONT STRUT, RT                               |
|       | 2   | 8A02198-007   | FITTING, STRUT FRONT                                |
|       | 1   | 8A02356-024   | STRUT, FWD, RT                                      |
|       | 1   | 8A02409-001   | TUBE, FRONT STRUT SUPPORT                           |
|       | 12  | MS24694S145   | SCREW                                               |
| 3 LT. | 1   | 8A02000-037   | ASSY, FRONT STRUT, LT                               |
|       | 2   | 8A02198-007   | FITTING, STRUT FRONT                                |
|       | 1   | 8A02356-023   | STRUT, FWD, LT                                      |
|       | 1   | 8A02409-001   | TUBE, FRONT STRUT SUPPORT                           |
|       | 12  | MS24694S145   | SCREW                                               |
| 4     | 2   | 8A02198-013   | FITTING, STRUT FWD, LOWER                           |
|       | 2   | AN28-30A      | BOLT, ATTACH UPPER END                              |
|       | 2   | NAS1149D0816J | WASHER                                              |
|       | 2   | MS21083N8     | NUT                                                 |
|       | 2   | AN8-22A       | BOLT, ATTACH LOWER END                              |
|       | 2   | NAS1149D0863J | WASHER                                              |
|       | 2   | MS21044N8     | NUT                                                 |
| 5     | 1   | 8A02067-001   | FITTING, BRACE WIRE/STRUT FWD. LT                   |
|       | 1   | 8A02067-002   | FITTING, BRACE WIRE/STRUT FWD. RT                   |
|       | 3   | AN6-27A       | BOLT-ATTACH TO FLOAT                                |
| 6     | 2   | 8A02000-043   | ASSY, FLY WIRE, FWD                                 |
|       | 2   | AN680AC6075   | TIE ROD                                             |
|       | 2   | AN665-247RS*  | TERMINAL                                            |
|       | 2   | AN665-247LS*  | TERMINAL                                            |
|       | 2   | AN316C10R     | JAM NUT                                             |
|       | 2   | AN316C10L     | JAM NUT                                             |
|       | 4   | MS20392-9C33  | CLEVIS PIN                                          |
|       | 4   | MS24665-444   | COTTER PIN                                          |
| 7     | 1   | 8A02100-003   | FITTING, BRACE WIRE FWD (AIRCRAFT WITH RELISH TRAY) |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                  |
|------|-----|---------------|---------------------------------------------------|
|      | 1   | 8A02100-001   | FITTING, BRACE WIRE FWD (AIRCRAFT NO RELISH TRAY) |
|      | 8   | NAS6606-13    | BOLT-ATTACH                                       |
|      | 12  | NAS1149D0663J | WASHER                                            |
|      | 8   | MS21042L6     | NUT                                               |
| 8    | 1   | 8A02057-002   | BEAM TRUSS                                        |
| 9    | 2   | 8A02088-001   | AXLE-BEAM ENDS                                    |
| 10   | 1   | 8A02000-038   | ASSY, CENTER STRUT RT                             |
|      | 1   | 8A02000-039   | ASSY, CENTER STRUT LT                             |
|      | 1   | 8A02356-026   | STRUT, MID. RT                                    |
|      | 1   | 8A02356-025   | STRUT MID. LT                                     |
|      | 1   | 8A02198-008   | FITTING, STRUT, CENTER TOP                        |
|      | 1   | 8A02198-009   | FITTING, STRUT, CENTER LOWER                      |
|      | 16  | MS24694S145   | SCREW                                             |
| 11   | 2   | 8A02198-014   | FITTING, CENTER STRUT                             |
|      | 2   | AN12-24A      | BOLT, TOP ATTACH                                  |
|      | 2   | NAS1149D1216J | WASHER                                            |
|      | 2   | MS21044N12    | NUT                                               |
|      | 2   | AN12-24A      | BOLT, LOWER ATTACH                                |
|      | 4   | NAS1149D1216J | WASHER                                            |
|      | 2   | MS1044N12     | NUT                                               |
| 12   | 1   | 8A02195-002   | FITTING, CENTER STRUT, FLOAT, RT                  |
|      | 1   | 8A02195-003   | FITTING, CENTER STRUT, FLOAT, LT                  |
|      | 12  | 8A02095-001   | BUSHING (ALUMINUM)                                |
|      | 6   | AN6-26A       | BOLT, ATTACH                                      |
|      | 6   | NAS1149D0663J | WASHER                                            |
|      | 6   | MS21044N6     | NUT                                               |
| 13   | 1   | 8A02046-002   | FITTING, REAR DRAG WIRE, RT                       |
|      | 1   | 8A02046-003   | FITTING, REAR DRAG WIRE, LT                       |
|      | 3   | AN8-31A       | BOLT-ATTACH                                       |
|      | 6   | NAS1149D0863J | WASHER                                            |
|      | 3   | MS21044N8     | NUT                                               |
| 14   | 2   | 8A02000-042   | ASS'Y, DRAG WIRE, AFT                             |
|      | 2   | AN665-430LS   | TERMINAL                                          |
|      | 2   | AN316-C12L    | JAMB NUT, LT                                      |
|      | 2   | AN316-C12R    | JAMB NUT, RT                                      |
|      | 2   | MS20392-10C41 | CLEVIS PIN                                        |
|      | 2   | MS24665-444   | COTTER PIN                                        |
|      | 2   | 8A02458-004   | BARREL NUT                                        |
| 15   | 1   | 8A02000-040   | ASS'Y, AFT STRUT, RT                              |
|      | 1   | 8A02000-041   | ASS'Y, AFT STRUT, LT                              |
|      | 1   | 8A02356-028   | STRUT BLANK, RT                                   |

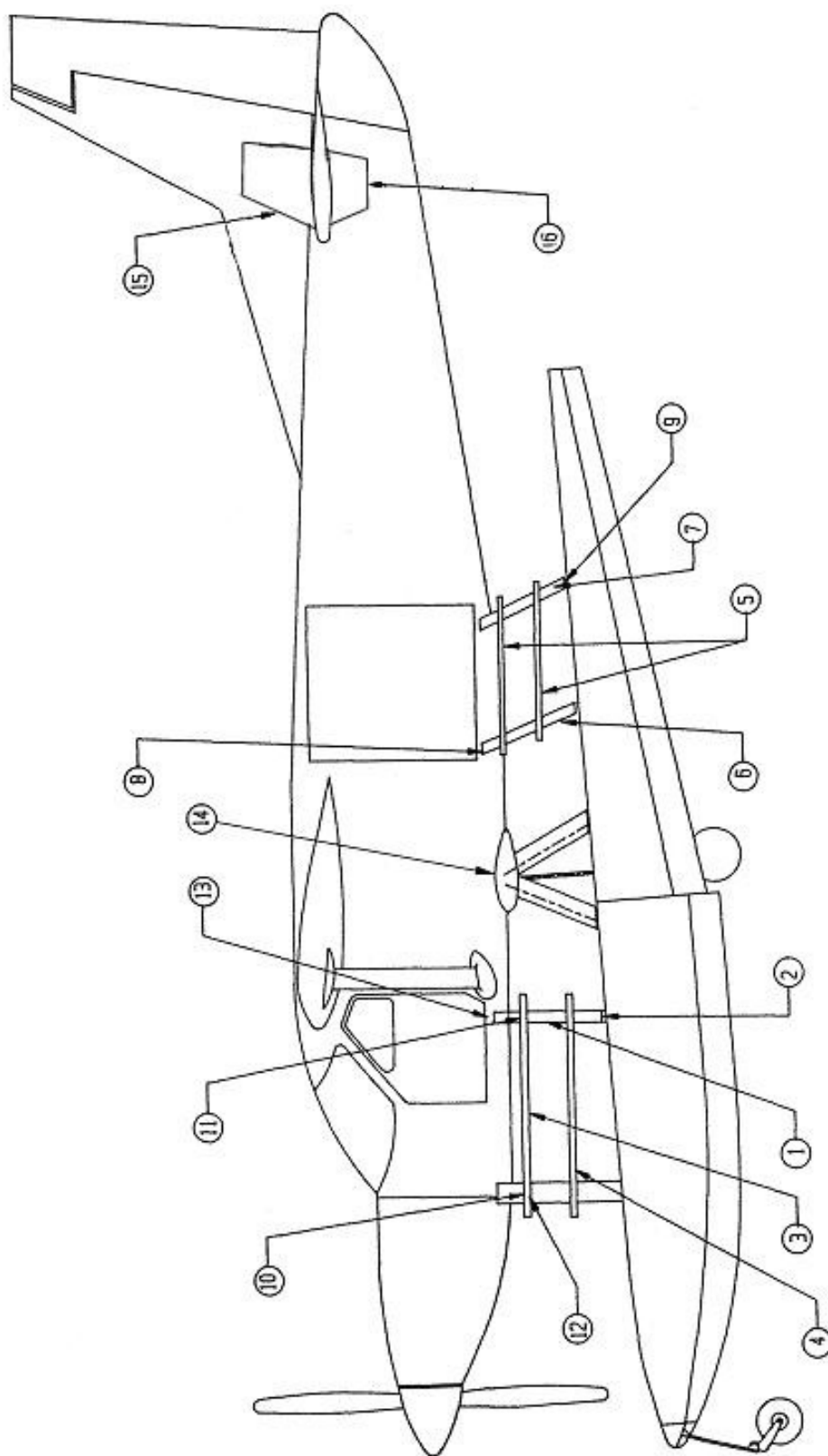
| ITEM | QTY | PART NO.      | PART DESCRIPTION             |
|------|-----|---------------|------------------------------|
|      | 1   | 8A02356-027   | STRUT BLANK, LT              |
|      | 1   | 8A02198-010   | FITTING, -UPPER END          |
|      | 1   | 8A02198-011   | FITTING, LOWER END           |
|      | 16  | MS24694S145   | SCREW                        |
| 16   | 2   | 8A02198-015   | FITTING, AFT STRUT           |
|      | 2   | AN30-31A      | BOLT, ATTACH UPPER           |
|      | 4   | NAS1149D1016J | WASHER                       |
|      | 2   | MS21083N10    | NUT                          |
|      | 2   | AN10-23A      | BOLT, ATTACH LOWER           |
|      | 2   | NAS1149D1063J | WASHER                       |
|      | 2   | MS21044N10    | NUT                          |
| 17   | 1   | 8A02195-004   | FITTING, AFT STRUT FLOAT, RT |
|      | 1   | 8A02195-005   | FITTING, AFT STRUT FLOAT, LT |
|      | 6   | 8A02095-001   | BUSHING (ALUMINUM)           |
|      | 3   | AN6-26A       | BOLT, ATTACH                 |
|      | 3   | NAS1149D0663J | WASHER                       |
|      | 3   | MS21044N6     | NUT                          |
| 18   | 2   | AN12-36A      | BOLT-ATTACH                  |
|      | 2   | NAS1149D1290J | WASHER                       |
|      | 2   | MS21044N12    | NUT                          |
|      | 4   | 8A02205-001   | SPACER                       |
| 19   | 2   | AN10-35A      | BOLT-ATTACH                  |
|      | 2   | NAS1149D1063J | WASHER                       |
|      | 2   | MS21044N10    | NUT                          |
|      | 4   | 8A02205-002   | SPACER                       |

**SPREADER BAR ASSEMBLY**



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                 |
|------|-----|---------------|--------------------------------------------------|
| -    | 1   | 8A03000-008   | ASSEMBLY SPREADER BAR, FRONT                     |
| -    | 1   | 8A03000-009   | ASSEMBLY SPREADER BAR, REAR                      |
| 1    | 1   | 8A03410-001   | SPREADER BAR, FRONT (NO INSERTS)                 |
|      | -   | 8A03000-034   | SPREADER BAR, FRONT (WITH INSERTS)               |
|      | 1   | 8A03410-002   | SPREADER BAR, REAR (NO INSERTS)                  |
|      | -   | 8A03000-035   | SPREADER BAR, REAR (WITH INSERTS)                |
| 2    | 2   | 8A03005-393   | FAIRING, SPREADER BAR, LEADING EDGE (FT & RR)    |
|      | A/R | PM-T1         | ANTI-CHAFF TAPE                                  |
| 3    | 2   | 8A03005-395   | FAIRING, SPREADER BAR, TRAILING EDGE, LT         |
|      | 2   | 8A03005-394   | FAIRING, SPREADER BAR, TRAILING EDGE, RT         |
|      | 1   | 8A03005-396   | FAIRING, SPREADER BAR, TRAILING EDGE, CENTER, FT |
|      | 1   | 8A03005-397   | FAIRING, SPREADER BAR, TRAILING EDGE, CENTER, RR |
| 4    | A/R | LP526-632R6   | SCREW-FAIRING ATTACH                             |
| 5    | 4   | AN8-32A       | BOLT                                             |
| 6    | 8   | NAS1149D0863J | WASHER                                           |
| 7    | 4   | MS21044N8     | NUT                                              |
| 8    | 1   | 8A03049-001   | SUPPORT INSERT, FWD. SPREADER BAR, REAR LT       |
|      | 1   | 8A03049-001   | SUPPORT INSERT, FWD. SPREADER BAR, FRONT RT      |
|      | 1   | 8A03049-004   | SUPPORT INSERT, FWD. SPREADER BAR, REAR RT       |
|      | 1   | 8A03049-004   | SUPPORT INSERT, FWD. SPREADER BAR, FRONT LT      |
|      | 1   | 8A03049-003   | SUPPORT INSERT, REAR SPREADER BAR, REAR LT       |
|      | 1   | 8A03049-003   | SUPPORT INSERT, REAR SPREADER BAR, FRONT RT      |
|      | 1   | 8A03049-002   | SUPPORT INSERT, REAR SPREADER BAR, REAR RT       |
|      | 1   | 8A03049-002   | SUPPORT INSERT, REAR SPREADER BAR, FRONT LT      |
| 9    | 1   | 8A08000-078   | COVER CABLE, REAR, WITH GASKET                   |

## FUSELAGE STEP ASSEMBLY



| ITEM | QTY | PART NO.      | PART DESCRIPTION                               |
|------|-----|---------------|------------------------------------------------|
| 1    | 1   | 8A02000-086   | ASS'Y STRUT-PILOT                              |
|      | 1   | 8A02334-003   | STRUT                                          |
|      | 1   | 8A02053-005   | FITTING-LOWER                                  |
|      | 1   | 8A02053-006   | FITTING-UPPER                                  |
|      | 4   | MS24694S145   | SCREW                                          |
|      | 1   | 8A02000-085   | ASS'Y STRUT-CO-PILOT                           |
|      | 1   | 8A02334-004   | STRUT                                          |
|      | 1   | 8A02053-005   | FITTING-LOWER                                  |
|      | 1   | 8A02053-006   | FITTING-UPPER                                  |
|      | 4   | MS24694S145   | SCREW-ATTACH                                   |
| 2    | 6   | AN44-5A       | EYEBOLT-ATTACH                                 |
|      | A/R | NAS1149F0563P | WASHER                                         |
|      | 6   | MS21044N5     | NUT                                            |
| 3    | 1   | 8A02369-003   | STEP-UPPER LEFT                                |
|      | 1   | 1006887       | STEP, WIDE, FORWARD, TOP, LH (OPTIONAL)        |
|      | 1   | 8A02369-002   | STEP-UPPER RIGHT                               |
|      | 1   | 1006888       | STEP, WIDE, FORWARD, TOP, RH (OPTIONAL)        |
| 4    | 2   | 8A02369-004   | STEP-LOWER LH AND RH                           |
|      | 2   | 1006889       | STEP, WIDE, FORWARD, LOWER (OPTIONAL)          |
| 5    | 2   | 8A02369-005   | STEP-CARGO                                     |
|      | 2   | 1005297       | WIDE STEP, PILOT SIDE, CARGO, C-208 (OPTIONAL) |
| 6    | 1   | 8A02000-061   | ASS'Y STRUT-CARGO FRONT                        |
|      | 1   | 8A02334-005   | STRUT                                          |
|      | 1   | 8A02053-007   | FITTING-UPPER                                  |
|      | 4   | MS24694S145   | SCREW                                          |
|      | 1   | 8A02053-005   | FITTING LOWER                                  |
| 7    | 1   | 8A02000-062   | ASS'Y STRUT-CARGO REAR                         |
|      | 1   | 8A02334-006   | STRUT                                          |
|      | 1   | 8A02053-005   | FITTING-LOWER                                  |
|      | 1   | 8A02053-007   | FITTING-UPPER                                  |
|      | 4   | MS24694S145   | SCREW                                          |
| 8    | 3   | AN4-14A       | BOLT-UPPER STRUT ATTACH                        |
|      | A/R | NAS1149F0463J | WASHER                                         |
|      | 3   | MS21044N4     | NUT                                            |
| 9    | 3   | 8A02273-007   | TUBE-SLIDE LOWER END                           |
|      | 3   | AN4-12A       | BOLT-ATTACH                                    |
|      | A/R | NAS1149F0463P | WASHER                                         |
|      | 3   | MS21044N4     | NUT                                            |
| 10   | 2   | AN3-23A       | BOLT-STEP TO FT. STRUT ATTACH                  |
|      | A/R | NAS1149F0363P | WASHER                                         |
|      | 2   | MS21044N3     | NUT                                            |

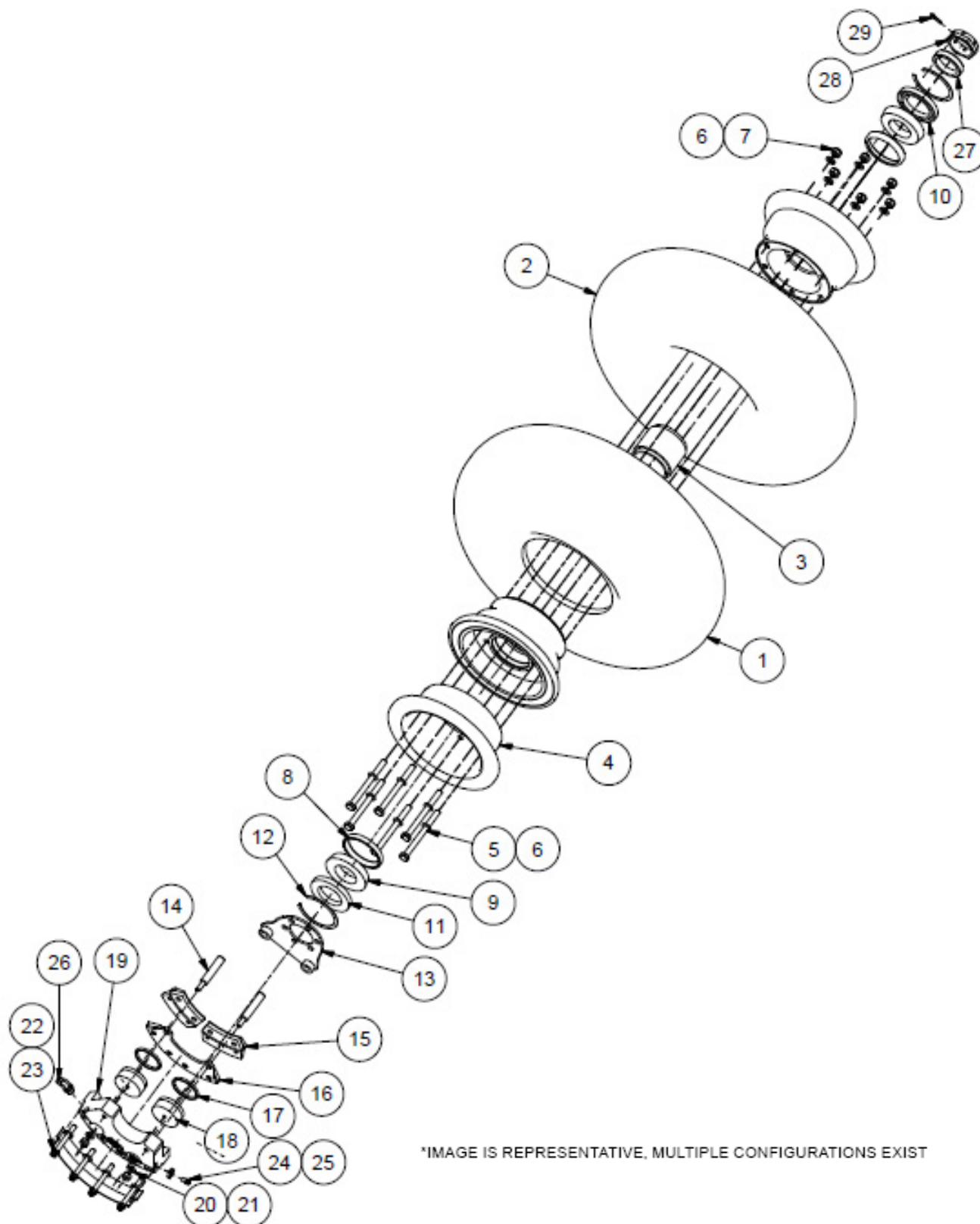
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                                                 |
|------|-----|---------------|--------------------------------------------------------------------------------------------------|
| 11   | 6   | AN3-17A       | BOLT-STEP TO STEP STRUT ATTACH                                                                   |
|      | A/R | NAS1149F0363P | WASHER                                                                                           |
|      | 6   | MS21044N3     | NUT                                                                                              |
| 12   | 12  | BPF           | HOLE PLUG 1"                                                                                     |
| 13   | 2   | 8A12008-127   | DOUBLER-FUSELAGE SKIN                                                                            |
|      | A/R | AN470AD4-5    | RIVET-ATTACH                                                                                     |
| 14   | 1   | 8A02000-053   | FAIRING (LEFT)                                                                                   |
|      | 1   | 8A02000-054   | FAIRING (RIGHT)                                                                                  |
|      | 1   | R581529       | FAIRING SEAL 216"                                                                                |
| 15   | 2   | 8A12000-004   | UPPER FIN LEFT & RIGHT NOTE: ALL SKINS ON<br>FIN: .016 2024 T3 FOR MAJOR REPAIRE SEND TO FACTORY |
| 16   | 2   | 8A12000-005   | LOWER FIN LEFT & RIGHT NOTE: ALL SKINS ON<br>FIN: .016 2024 T3 FOR MAJOR REPAIRE SEND TO FACTORY |
| 17   | 4   | C592001-0203  | STATIC WICK BASE                                                                                 |
| 18   | 1   | 1002184       | COWEL COVER (STARTING 2007)                                                                      |

## SECTION 8 LANDING GEAR

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## MAIN GEAR WHEEL ASSEMBLY



\*IMAGE IS REPRESENTATIVE, MULTIPLE CONFIGURATIONS EXIST

| ITEM   | QTY | PART NO.          | PART DESCRIPTION                                                                                                         |
|--------|-----|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| -      | -   | 8A04000-031       | MAIN WHEEL ASSEMBLY                                                                                                      |
| 1      | 1   | AA1E6*            | TIRE, 6.00 X 6-8                                                                                                         |
| 2      | 1   | XA1AD*            | TUBE, 6.00 X 6                                                                                                           |
| 3 - 12 | -   | MULTIPLE VERSIONS | WHEEL ASSEMBLY, WITHOUT BRAKE AND TIRE (MULTIPLE CONFIGURATIONS EXIST. SEE DETAIL ON BREAKOUT TABLES ON FOLLOWING PAGES) |
| -      | -   | 6A04000-104       | BRAKE ASSEMBLY, RH (ITEMS 14-26)                                                                                         |
| -      | -   | 6A04000-105       | BRAKE ASSEMBLY, LH (ITEMS 14-26)                                                                                         |
| -      | -   | 30-241            | BRAKE ASSEMBLY COMPLETE (ITEMS 14-23)                                                                                    |
| 13     | 1   | 075-20700         | TORQUE PLATE                                                                                                             |
| 14     | 2   | 069-03100         | ANCHOR BOLT                                                                                                              |
| 15     | 2   | 074-02900         | BACK PLATE ASSEMBLY                                                                                                      |
|        | 1   | 066-10500         | BRAKE LINING                                                                                                             |
|        | 2   | 105-00200         | RIVET, BRAKE PAD                                                                                                         |
| 16     | 1   | 073-04200         | PRESSURE PLATE ASSEMBLY                                                                                                  |
|        | 2   | 066-10500         | BRAKE LINING                                                                                                             |
|        | 4   | 105-00200         | RIVET, BRAKE PAD                                                                                                         |
| 17     | 2   | MS28775-222       | O-RING                                                                                                                   |
| 18     | 2   | 062-10700         | BRAKE PISTON                                                                                                             |
| 19     | 1   | 091-21600         | CYLINDER                                                                                                                 |
| 20     | 2   | NAS1149F0463P     | WASHER, SCREW SIZE 1/4 OD.500 ID.265 THK.063                                                                             |
| 21     | 2   | MS21044N4         | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28                                                                        |
| 22     | 4   | MS20002C4         | WASHER, COUNTER SUNK                                                                                                     |
| 23     | 4   | MS21250H04026     | BOLT, EXTERNAL WRENCHING. 10-32 UNF 3A                                                                                   |
| 24     | 1   | 079-00300         | SCREW BLEEDER                                                                                                            |
| 25     | 1   | 081-00200         | SEAT BLEEDER                                                                                                             |
| 26     | 1   | 104-04700         | FITTING                                                                                                                  |
|        | 1   | MS28775-012       | O-RING                                                                                                                   |
| 27     | 1   | 6A04093-002       | AXLE SPACER, MAIN WHEEL                                                                                                  |
| 28     | 1   | MS21025-24        | NUT, AXLE                                                                                                                |
| 29     | 1   | MS24665-349       | COTTER PIN                                                                                                               |

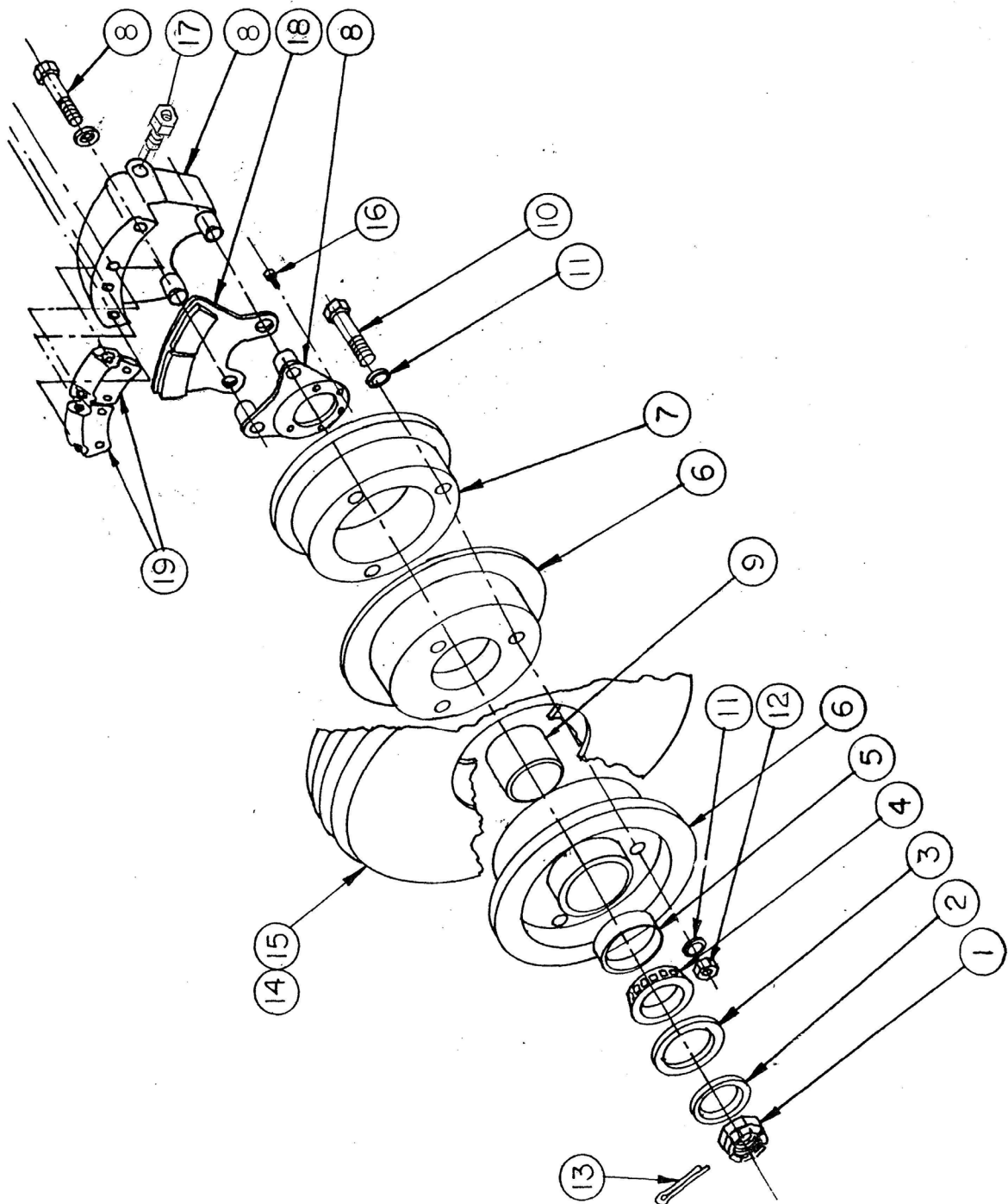
\* Any alternate tire (tube type) which is TSO-approved, matches the listed tire's dimensions, and meets its speed/load/ply ratings may be used. Equivalent tubes may also be used.

## BREAKOUT TABLES - WHEEL ASSEMBLY WITHOUT BRAKE AND TIRE

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                       |
|------|-----|---------------|--------------------------------------------------------|
| -    | -   | 40-418-3      | WHEEL ASS'Y, CLEVELAND (NAMEPLATE READS "40-418B")     |
| 3    | 1   | 067-14700     | GREASE RETAINER                                        |
| 4    | 1   | 164-24501*    | DISC, BRAKE, CHROME                                    |
| 5    | 6   | AN5-35A       | BOLT, 5/16-24, 3.1875 GRIP, UNDRILLED, STEEL           |
| 6    | 12  | NAS1149D0563J | WASHER, 0.328 ID, 0.063 THK, ALUMINUM                  |
| 7    | 6   | MS21042-5     | NUT, SELF LOCKING, 450°, 5/16-24 UNF                   |
| 8    | 2   | 13836*        | BEARING, CUP, NON-CHROME                               |
| 9    | 2   | 13889*        | BEARING, CONE, NON-CHROME                              |
| 10   | 1   | 472439        | SEAL, OUTBOARD (#50 VENT HOLE REQUIRED BEFORE INSTALL) |
| 11   | 1   | 473232        | SEAL, INBOARD                                          |
| 12   | 2   | 155-14300     | SNAP RING                                              |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                       |
|------|-----|---------------|--------------------------------------------------------|
| -    | -   | 40-418        | WHEEL ASS'Y, CLEVELAND, ALTERNATE                      |
| 3    | 1   | 067-14700     | GREASE RETAINER                                        |
| 4    | 1   | 164-24500*    | DISC, BRAKE, NON-CHROME                                |
| 5    | 6   | AN5-35A       | BOLT, 5/16-24, 3.1875 GRIP, UNDRILLED, STEEL           |
| 6    | 12  | NAS1149D0563J | WASHER, 0.328 ID, 0.063 THK, ALUMINUM                  |
| 7    | 6   | MS21042-5     | NUT, SELF LOCKING, 450°, 5/16-24 UNF                   |
| 8    | 2   | 13836*        | BEARING, CUP, CHROME                                   |
| 9    | 2   | 13889*        | BEARING, CONE, CHROME                                  |
| 10   | 1   | 472439        | SEAL, OUTBOARD (#50 VENT HOLE REQUIRED BEFORE INSTALL) |
| 11   | 1   | 473232        | SEAL, INBOARD                                          |
| 12   | 2   | 155-14300     | SNAP RING                                              |

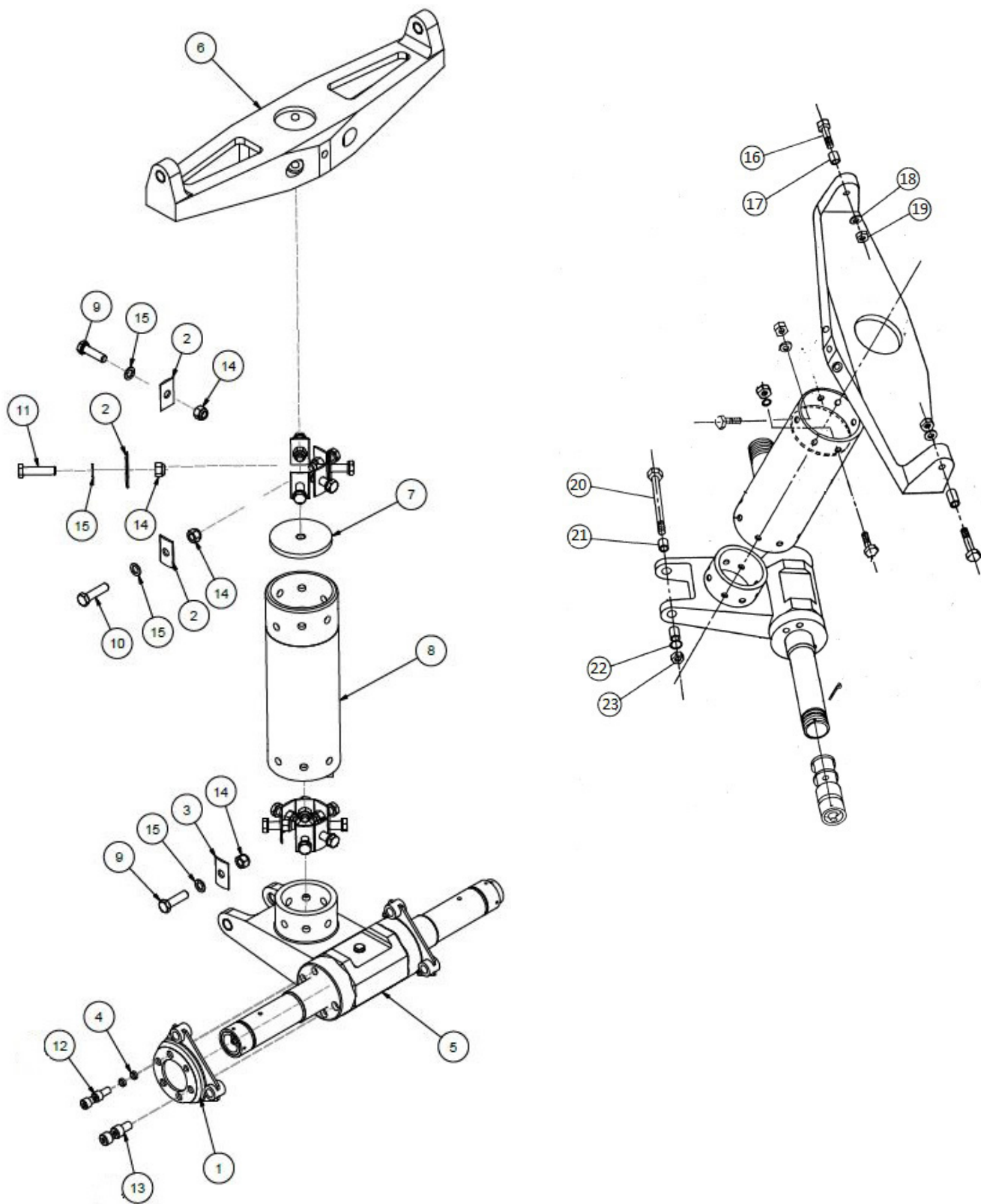
## MCCAULEY MAIN GEAR WHEEL ASSEMBLY



| ITEM | QTY | PART NO.      | PART DESCRIPTION                       |
|------|-----|---------------|----------------------------------------|
| 1    | 1   | MS21025-024   | NUT, AXLE                              |
| 2    | 1   | 6A04093-002   | SPACER, MAIN GEAR AXLE                 |
| 3    | 1   | 472439        | SEAL, OUTSIDE                          |
|      | 1   | 473232        | SEAL, INSIDE                           |
| 4    | 2   | LM29749       | BEARING CONE, INSIDE AND OUTSIDE       |
|      | 2   | LM29749CP     | BEARING CONE, CHROME PLATED (OPTIONAL) |
| 5    | 2   | LM29710       | BEARING CUP, INSIDE AND OUTSIDE        |
|      | 2   | LM29710CP     | BEARING CUP, CHROME PLATED (OPTIONAL)  |
| 6    | 1   | D-30660-5     | ASS'Y. WHEEL, COMPLETE                 |
| 7    | 1   | 164-30615-3   | BRAKE DISC                             |
| 8    | 1   | 30-241        | ASSY. BRAKE, COMPLETE, LT              |
|      | 1   | D-30793-4     | ASSY. BRAKE, COMPLETE, RT              |
|      | 2   | 075-20700     | BRAKE TORQUE PLATE                     |
|      | 8   | 105-00200     | RIVETS                                 |
|      | 4   | MS21250H0426  | BOLTS (FOR PADS)                       |
|      | 4   | MS20002C4     | BRAKE PAD BOLT WASHERS                 |
|      | 2   | MS28775-222   | "O"RING CYL.                           |
|      | 1   | 073-04200     | PRESSURE PLATE WITH LINING             |
|      | 2   | 074-02900     | BACK PLATE WITH LINING                 |
|      | 2   | 069-30644     | BRAKE                                  |
|      | 1   | 081-00200     | BLEEDER SEAT                           |
|      | 1   | 079-00300     | BLEEDER                                |
|      | 1   | 183-00100     | BLEEDER CAP                            |
|      | 2   | 062-10700     | PISTON                                 |
|      | 2   | MS28775-222   | PISTON O'RING                          |
|      | 1   | MS28775-011   | "O" RING BLEEDER                       |
|      | 4   | 069-03100     | BOLT, ANCHOR, BRAKE PIN                |
| 9    | 1   | 6A04616-002   | GREASE RETAINER                        |
| 10   | 3   | AN5-37A       | BOLT, WHEEL HALF                       |
| 11   | 6   | NAS1149F0532P | WASHER                                 |
| 12   | 3   | MS21044N5     | NUT                                    |
| 13   | 1   | MS24665-353   | COTTER PIN                             |
| 14   | 1   | AA1E6*        | TIRE 6:00 X 6-8 PLY (TYPE III)         |
| 15   | 1   | XA1AD*        | TIRE TUBE, 6.00 X X6                   |
| 16   | 2   | MS16997-96    | CAP SCREW                              |
|      | 2   | MS16997-77    | CAP SCREW                              |
| 17   | 1   | 6A04258-004   | FITTING, ADAPTER, BRAKE LINE           |
|      | 1   | MS20823-4D    | FTG. 45Ø                               |
|      | 1   | MS28775-011   | "O" RING                               |
| 18   | 1   | 073-30113     | PRESSURE PLATE WITH PADS               |
| 19   | 2   | 074-30027     | BACK PLATES WITH PADS                  |

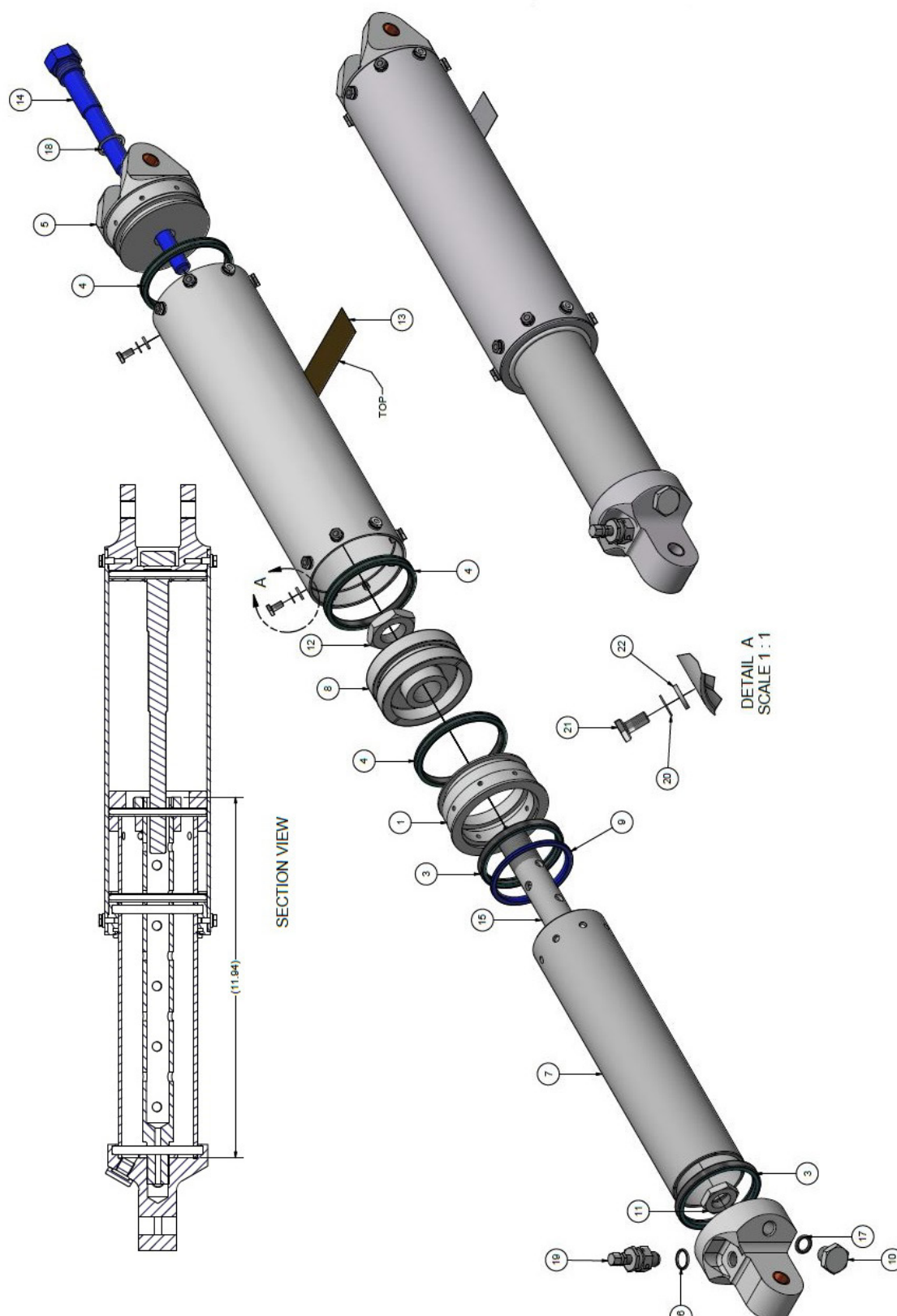
\* Any alternate tire (tube type) which is TSO-approved, matches the listed tire's dimensions, and meets its speed/load/ply ratings may be used. Equivalent tubes may also be used.

## MAIN GEAR AXLE WITHOUT WHEELS ASSEMBLY



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                             |
|------|-----|---------------|------------------------------------------------------------------------------|
| -    | 1   | 8A04000-019   | ASSEMBLY, MAIN GEAR, W/O WHEELS                                              |
| 1    | 2   | 075-20700     | TORQUE PLATE                                                                 |
| 2    | 8   | 1009495       | WASHER, CUSTOM, DRAG BRACE, UPPER                                            |
| 3    | 8   | 1009496       | WASHER, CUSTOM, DRAG BRACE, LOWER                                            |
| 4    | 4   | 30A04523-002  | BUSHING, TORQUE PLATE                                                        |
| 5    | 1   | 8A04000-021   | ASSEMBLY, AXLE, MAIN GEAR                                                    |
| 6    | 1   | 8A04103-001   | ASSEMBLY, DRAG BRACE                                                         |
| 7    | 1   | 8A04154-004   | PLUG - SUPPORT DRAG BRACE TUBE                                               |
| 8    | 1   | 8A04296-002   | TUBE - DRAG BRACE - MAIN GEAR                                                |
| 9    | 10  | AN6-12A       | BOLT, 3/8-24, 0.6875 GRIP, UNDRILLED, STEEL                                  |
| 10   | 2   | AN6-13A       | BOLT, 3/8-24, 0.8125 GRIP, UNDRILLED, STEEL                                  |
| 11   | 4   | AN6-14A       | BOLT, 3/8-24, .938 GRIP, UNDRILLED, STEEL                                    |
| 12   | 4   | MS16997-77    | SOCKET HEAD CAP SCREW                                                        |
| 13   | 4   | MS16997-96    | SOCKET HEAD CAP SCREW                                                        |
| 14   | 16  | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                                     |
| 15   | 16  | NAS1149D0663J | WASHER, 0.39 ID, 0.063 THK, ALUMINUM                                         |
| 16   | 2   | AN8-30        | BOLT, 1/2-20 THREAD, 2-5/16" GRIP, 3-3/32" LENGTH (NOT INCLUDED IN ASSEMBLY) |
| 17   | 2   | 08DU12        | BUSHING (NOT INCLUDED IN ASSEMBLY)                                           |
| 18   | 4   | NAS1149D0863J | WASHER, 0.515 ID, 0.063 THK, ALUMINUM (NOT INCLUDED IN ASSEMBLY)             |
| 19   | 2   | AN310-8       | NUT, PLAIN, CASTELLATED, 1/2-20 UNF (NOT INCLUDED IN ASSEMBLY)               |
|      | 2   | MS24665-285   | COTTER PIN (NOT INCLUDED IN ASSEMBLY)                                        |
| 20   | 1   | NAS6208-56D   | BOLT (NOT INCLUDED IN ASSEMBLY)                                              |
| 21   | 2   | 08DU08        | BUSHING (NOT INCLUDED IN ASSEMBLY)                                           |
| 22   | 2   | NAS1149D0863J | WASHER, 0.515 ID, 0.063 THK, ALUMINUM (NOT INCLUDED IN ASSEMBLY)             |
| 23   | 1   | AN320-8       | NUT, PLAIN, CASTELLATED, SHEAR, 1/2-20 UNF (NOT INCLUDED IN ASSEMBLY)        |
|      | 1   | MS24665-285   | COTTER PIN (NOT INCLUDED IN ASSEMBLY)                                        |

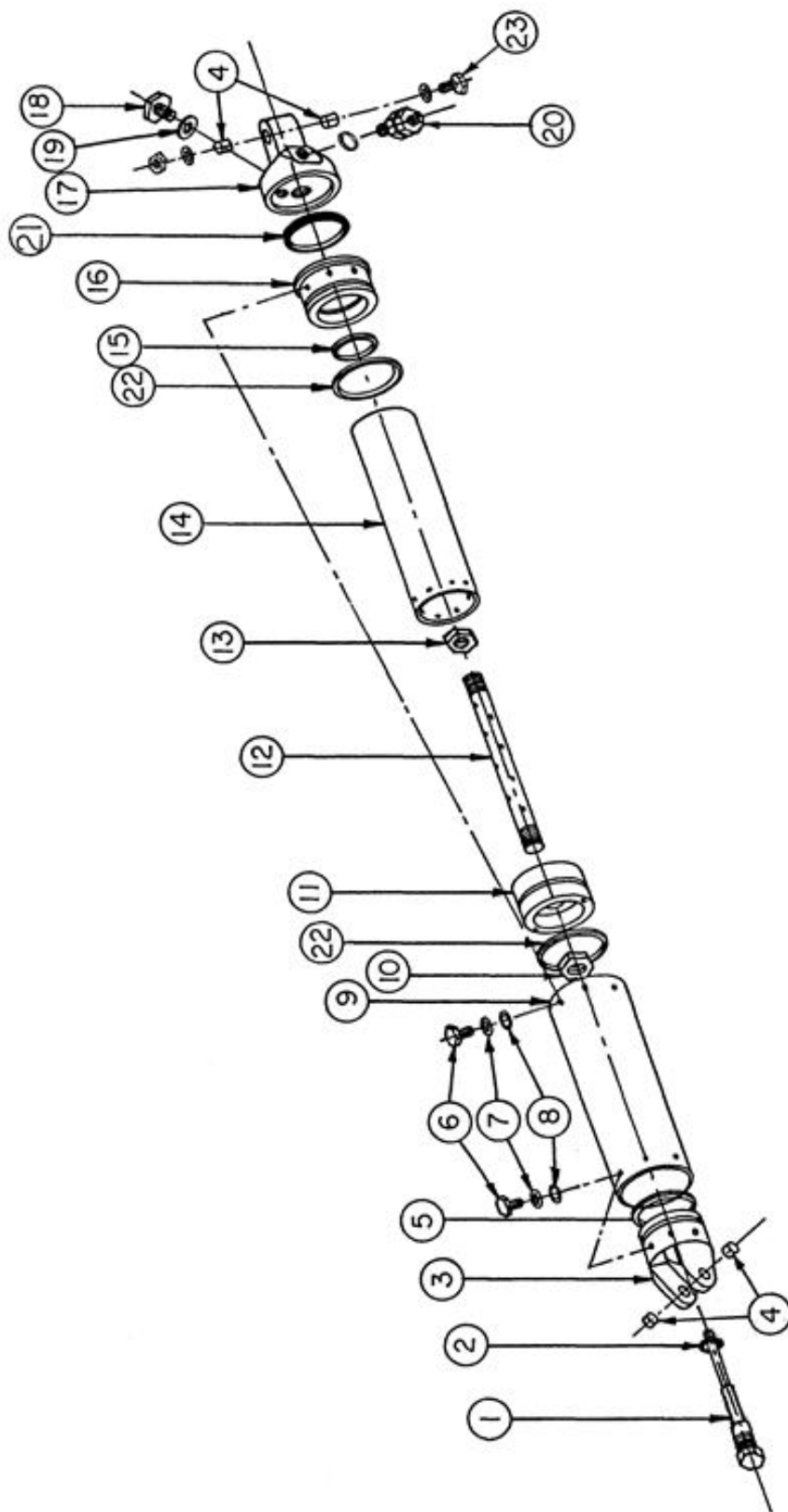
## OLEO SHOCK STRUT ASSEMBLY (T-SEALS INSTALLED)



PARTS MANUAL  
8000 FLOATS ON CESSNA 208

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                      |
|------|-----|---------------|-----------------------------------------------------------------------|
| -    | 1   | 1002069       | ASSEMBLY, SHOCK STRUT, 8000                                           |
| 1    | 1   | 1002017       | GLAND - OUTER CYL - SHOCK STRUT                                       |
| 2    | 1   | 1002020       | CYLINDER, OUTER, SHOCK STRUT, 8000                                    |
| 3    | 2   | 1002027       | ROD, T-SEAL                                                           |
| 4    | 3   | 1002028       | PISTON, T-SEAL                                                        |
| 5    | 1   | 1002650       | CAP, END, SHOCK STRUT, W/BUSHINGS                                     |
| 6    | 1   | 1002651       | CAP, TOP, SHOCK STRUT, W/BUSHINGS                                     |
| 7    | 1   | 1002652       | CYLINDER, INNER, SHOCK STRUT, 8000                                    |
| 8    | 1   | 1002654       | PISTON, SHOCK STRUT, 8000                                             |
| 9    | 1   | 1009966       | WIPER, SHOCK STRUT, T-SEAL                                            |
| 10   | 1   | 6A04271-003   | PLUG, SHOCK STRUT                                                     |
| 11   | 1   | 6A04275-001   | NUT, CHECK, SHOCK STRUT                                               |
| 12   | 1   | 6A04276-001   | NUT, CHECK, SHOCK STRUT                                               |
| 13   | 1   | 6A3-2169      | PLACARD, HYDRAULIC CYLINDER                                           |
| 14   | 1   | 8A04261-004   | PIN, METERING, SHOCK STRUT, MAIN GEAR                                 |
| 15   | 1   | 8A04270-003   | TUBE - METERING, SHOCK STRUT                                          |
| 16   | 1   | MS28775-015   | "O" RING                                                              |
| 17   | 1   | MS28775-111   | "O" RING, HYDRAULIC                                                   |
| 18   | 1   | MS28775-116   | "O" RING                                                              |
| 19   | 1   | MS28889-2     | VALVE                                                                 |
| 20   | 16  | MS35333-39    | STAR WASHER                                                           |
| 21   | 16  | NAS1103-2     | BOLT                                                                  |
| 22   | 16  | NAS1149D0363J | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                                 |
| 23   | 2   | MS28775-336   | O RING, DIA 2.855, AN6227-39 (NOT SHOWN)                              |
| 24   | 1   | NAS6208-36D   | BOLT (UPPER END) (NOT SHOWN)                                          |
|      | 2   | NAS1149F0863P | WASHER, CARBON STEEL, TO FIT DIA 1/2", STANDARD THICKNESS (NOT SHOWN) |
|      | 1   | AN320-8       | NUT, SHEAR CASTELLATED, 1/2-20 THREAD (NOT SHOWN)                     |
|      | 1   | MS24665-353   | PIN, COTTER, 1/8" DIA, 1" LENGTH, CARBON STEEL (NOT SHOWN)            |

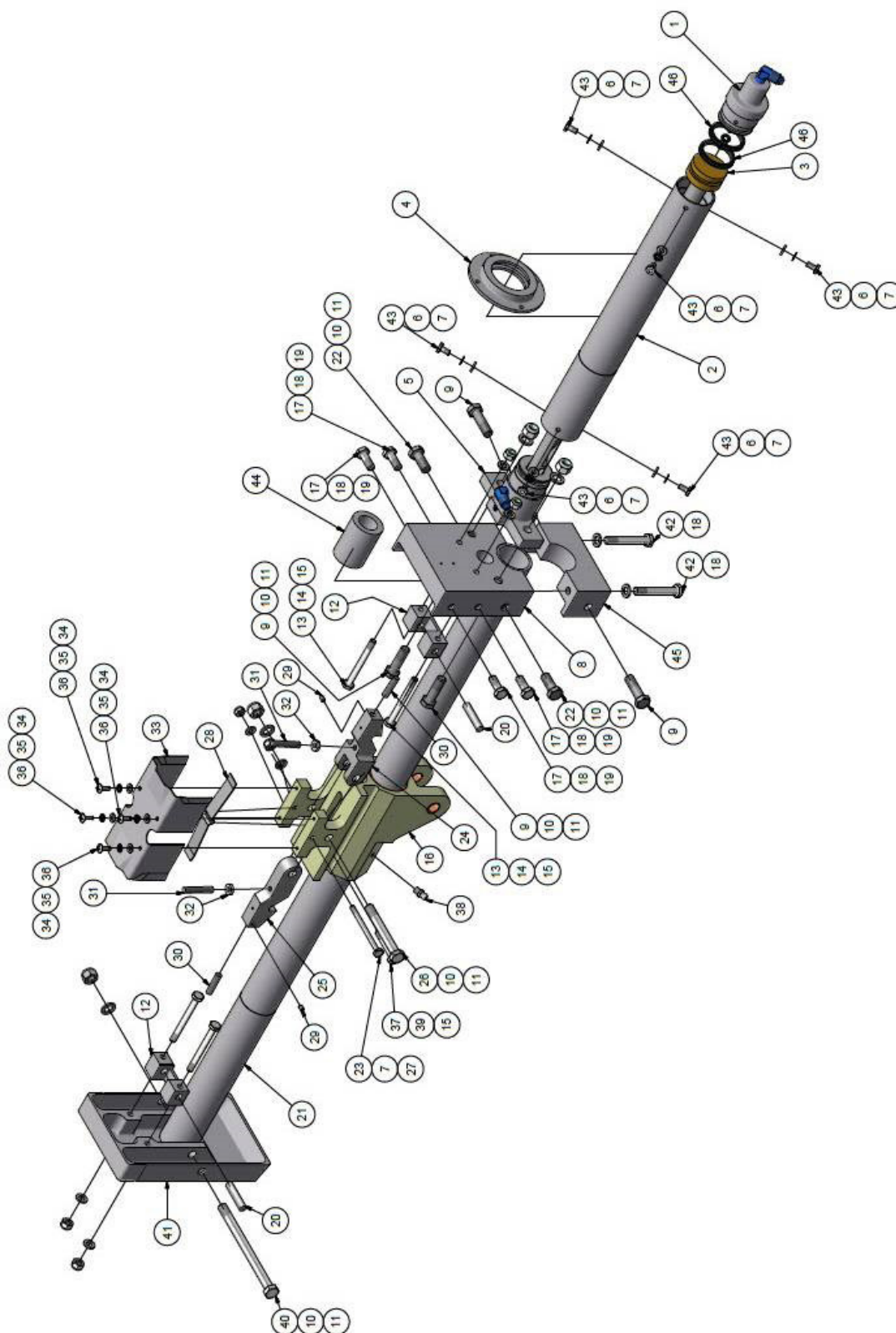
## OLEO SHOCK STRUT ASSEMBLY (O-RINGS INSTALLED)



PARTS MANUAL  
8000 FLOATS ON CESSNA 208

| ITEM | QTY | PART NO.      | PART DESCRIPTION     |
|------|-----|---------------|----------------------|
| -    | 1   | 8A04000-020   | ASSEMBLY-SHOCK STRUT |
| 1    | 1   | 8A04261-004   | METERING ROD         |
| 2    | 1   | MS28775-116   | "O"RING              |
| 3    | 1   | 6A04256-003   | END CAP              |
| 4    | 2   | 08DU08        | BEARING              |
| 5    | 1   | MS28775-234   | "O"RING              |
| 6    | 16  | NAS6203-2     | BOLT                 |
| 7    | 16  | MS35333-39    | WASHER               |
| 8    | 16  | NAS1149D0363J | WASHER               |
| 9    | 1   | 8A04407-003   | OUTER CYLINDER       |
|      | 1   | 6A3-2169      | PLACARD              |
| 10   | 1   | 6A04276-001   | NUT-CHECK            |
| 11   | 1   | 8A04256-005   | PISTON-SHOCK STRUT   |
| 12   | 1   | 8A04270-003   | TUBE METERING        |
| 13   | 1   | 6A04275-001   | NUT-CHECK            |
| 14   | 1   | 8A04538-002   | INNER CYLINDER       |
| 15   | 1   | MS28775-334   | "O"RING              |
| 16   | 1   | 6A04296-001   | GLAND-OUTER CYLINDER |
| 17   | 1   | 6A04256-002   | END CAP-OLEO         |
|      | 1   | MS28775-231   | "O" RING             |
| 18   | 1   | 6A04271-003   | CAP                  |
| 19   | 1   | MS28775-111   | "O"RING              |
| 20   | 1   | MS28889-2     | VALVE                |
|      | 1   | MS28775-015   | "O" RING             |
| 21   | 1   | 6A04743-001   | WIPER                |
| 22   | 2   | MS28775-336   | "O"RING              |
| 23   | 1   | NAS6208-36D   | BOLT (UPPER END)     |
|      | 2   | NAS1149F0863P | WASHER               |
|      | 1   | AN320-8       | NUT                  |
|      | 1   | MS24665-353   | COTTER PIN           |

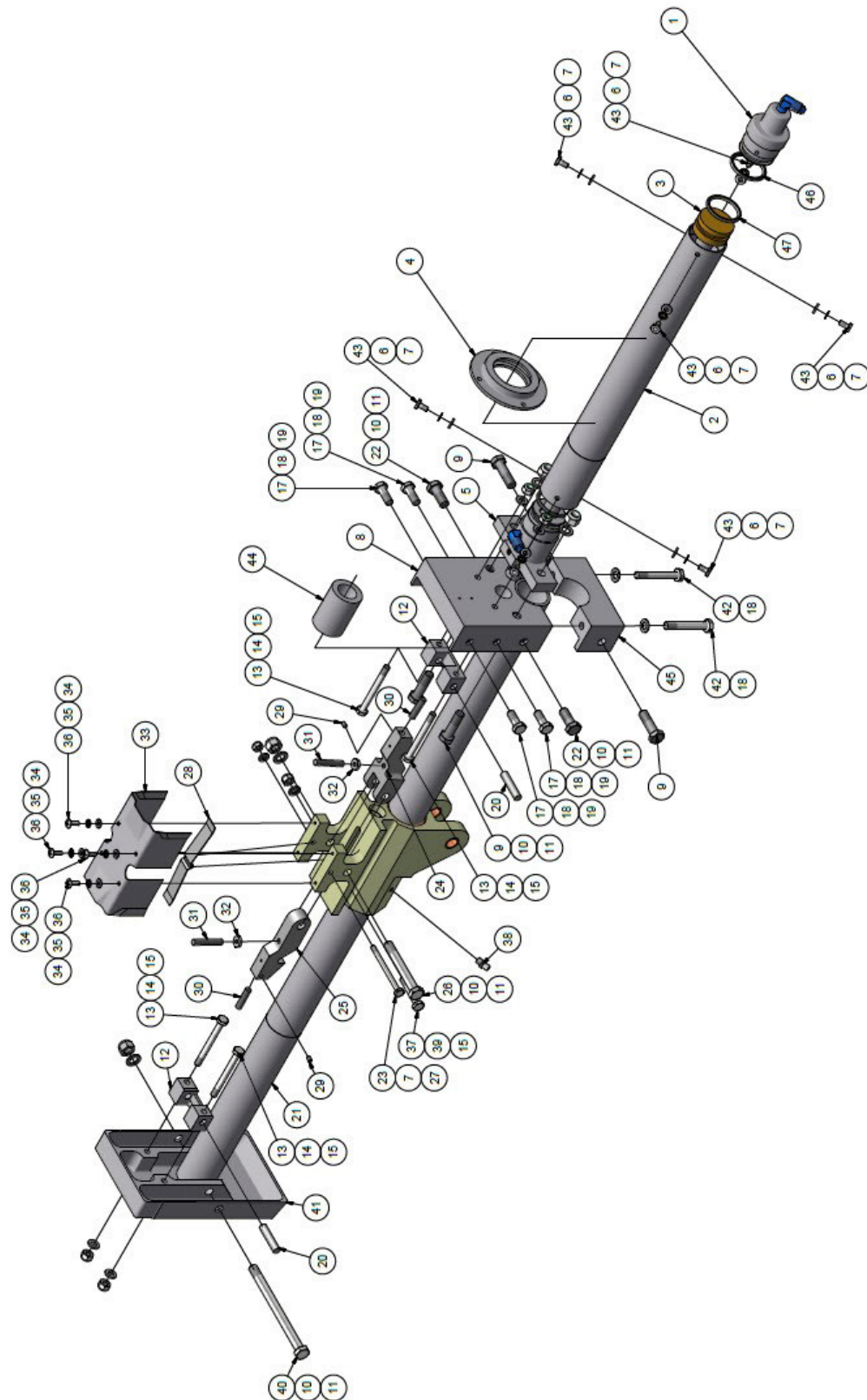
## MAIN GEAR SLIDE TUBE ASSEMBLY (T-SEALS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                  |
|------|-----|---------------|-----------------------------------|
| 1    | -   | 1002236       | ASS'Y., END CAP, CYLINDER         |
|      | 1   | 1002011       | END CAP, CYLINDER                 |
|      | 1   | MS20822-4D    | ELBOW, PIPE TO TUBE               |
| 2    | 1   | 1002023       | CYLINDER, OUTSIDE                 |
| 3    | 1   | 1002640       | ASS'Y, RAM, MAIN GEAR, 8000       |
| 4    | 1   | 6A05181-001   | RING, CYLINDER, SUPPORT           |
|      | 1   | MS28775-327   | "O" RING                          |
| 5    | -   | 1002235       | ASS'Y, CYLINDER FLANGE, MAIN GEAR |
|      | 1   | 1002008       | FLANGE, CYLINDER, MAIN GEAR RAM   |
|      | 1   | 1214K1        | VALVE                             |
|      | 1   | 6A05580-004   | WIPER, MAIN GEAR                  |
|      | 1   | 8880410       | WIPER                             |
|      | 1   | MS20822-4D    | FITTING, 90° ELBOW                |
|      | 1   | 1002231       | ROD, T-SEAL                       |
| 6    | 8   | MS35333-39    | LOCK WASHER                       |
| 7    | 9   | NAS1149D0363J | WASHER                            |
| 8    | 1   | 6A05208-001   | FITTING, AFT, SLIDE TUBE          |
| 9    | 4   | AN6-12A       | BOLT                              |
| 10   | 6   | NAS1149D0663J | WASHER                            |
| 11   | 6   | MS21044N6     | NUT                               |
| 12   | 2   | 6A05193-001   | CATCH, LOCK HOOK                  |
| 13   | 4   | AN4-24A       | BOLT                              |
| 14   | 4   | NAS1149D0463J | WASHER                            |
| 15   | 5   | MS21044N4     | NUT                               |
| 16   | -   | 1002642       | ASS'Y, CARRIAGE, W/BUSHINGS       |
|      | 1   | 1002621       | CARRIAGE, MAIN GEAR               |
|      | 2   | 26DU16        | BUSHING (LARGE)                   |
|      | 2   | O8DU08        | BUSHING (SMALL)                   |
| 17   | 4   | AN5-6A        | BOLT                              |
| 18   | 8   | NAS1149D0563J | WASHER                            |
| 19   | 4   | MS21044N5     | NUT                               |
| 20   | 2   | 6A05702-008   | PIN, MAIN GEAR LOCK               |
| 21   | 1   | 8A05402-004   | TUBE, SLIDE, MAIN GEAR, CARRIAGE  |
| 22   | 2   | AN6-7A        | BOLT                              |
| 23   | 1   | AN3-25A       | BOLT                              |
| 24   | 1   | 6A05042-001   | HOOK - MAIN GEAR LOCK (AFT)       |
| 25   | 1   | 6A05041-001   | HOOK - MAIN GEAR LOCK (FWD)       |
| 26   | 1   | AN6-26A       | BOLT                              |
| 27   | 1   | MS21044N3     | NUT                               |
| 28   | 1   | 6A05533-001   | SPRING, MAIN GEAR LOCK            |
| 29   | 2   | 1032NFX3/16   | SET SCREW, 10-32 X 3/16 S.S. CP   |

| ITEM | QTY | PART NO.      | PART DESCRIPTION         |
|------|-----|---------------|--------------------------|
| 30   | 2   | 3A05701-001   | MAGNET                   |
| 31   | 2   | 6A05087-001   | LOCK, SET SCREW, HOLLOW  |
| 32   | 2   | AN316-4R      | NUT                      |
| 33   | 1   | 6A05158-019   | COVER, SLIDE TUBE TRUCK  |
| 34   | 4   | NAS1149DN832J | WASHER                   |
| 35   | 4   | MS35333-38    | LOCK WASHER              |
| 36   | 4   | AN526-832R8   | SCREW                    |
| 37   | 1   | AN4-14A       | BOLT                     |
| 38   | 1   | 1095K41       | GREASE ZERK              |
| 39   | 1   | NAS1149F0463P | WASHER                   |
| 40   | 1   | AN6-47A       | BOLT                     |
| 41   | 1   | 6A01201-001   | FITTING, FWD, SLIDE TUBE |
| 42   | 2   | AN5H20A       | BOLT                     |
| 43   | 8   | NAS1103-2     | BOLT                     |
| 44   | 1   | 6A05259-002   | END, SLIDE TUBE          |
| 45   | 1   | 8A05195-001   | CAP, SLIDE TUBE, AFT     |
| 46   | 2   | 1002229       | T-SEAL                   |

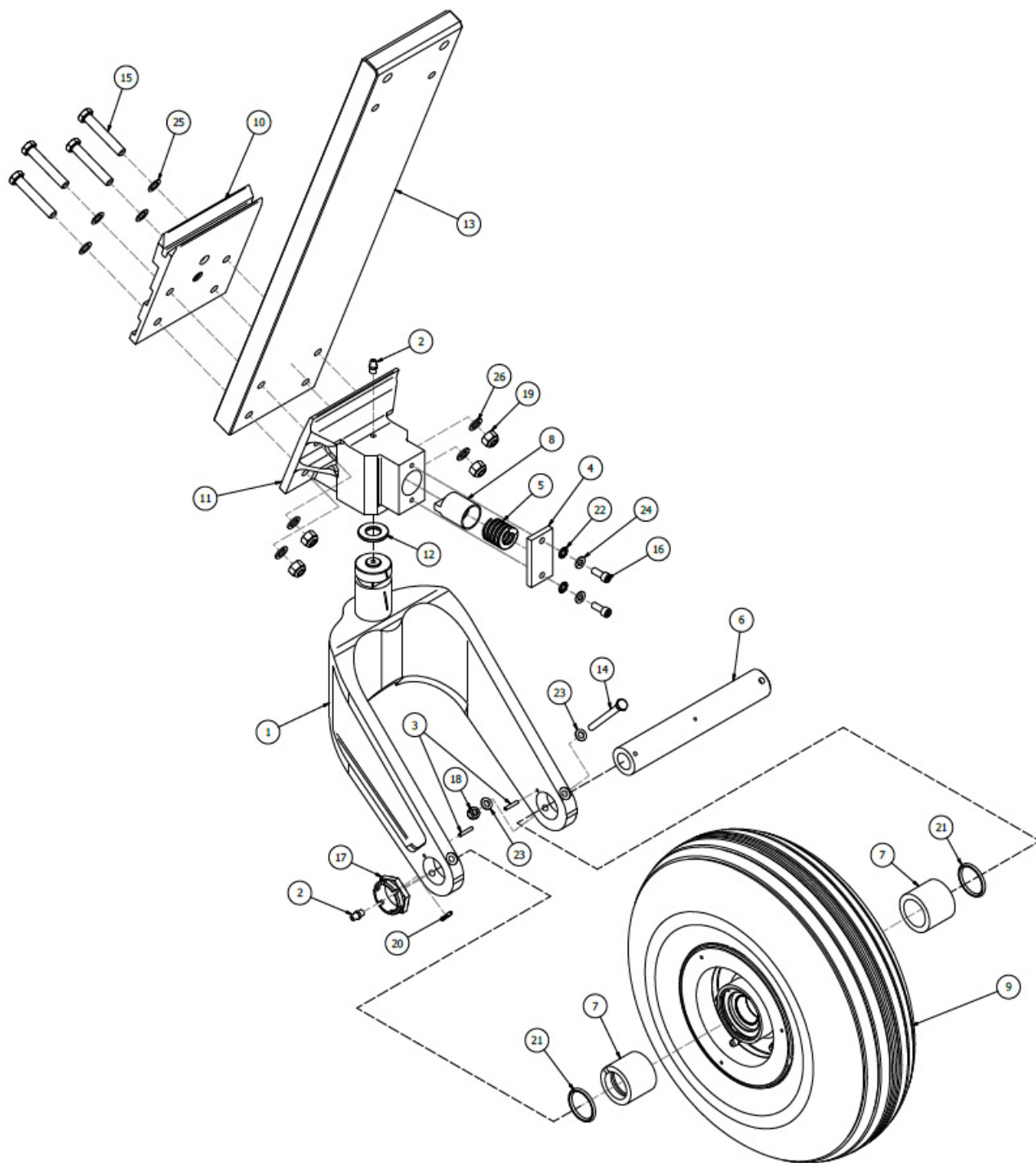
## MAIN GEAR SLIDE TUBE ASSEMBLY (O-RINGS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                 |
|------|-----|---------------|----------------------------------|
| 1    | -   | 6A05000-007   | ASSY. END CAP-CYLINDER           |
|      | 1   | 6A05268-001   | END CAP, CYLINDER                |
|      | 1   | MS20822-4D    | ELBOW, PIPE TO TUBE              |
| 2    | 1   | 8A05116-003   | CYLINDER-OUTSIDE                 |
| 3    | 1   | 8A05000-010   | RAM ASSEMBLY                     |
| 4    | 1   | 6A05181-001   | RING-CYLINDER-SUPPORT            |
|      | 1   | MS28775-327   | O RING, DIA 1.725                |
| 5    | -   | 6A05000-008   | ASSY. FLANGE-CYLINDER END        |
|      | 1   | 6A05199-001   | FLANGE, CYLINDER, MAIN GEAR RAM  |
|      | 1   | 1214K1        | VALVE                            |
|      | 1   | 6A05580-004   | WIPER, MAIN GEAR                 |
|      | 1   | MS20822-4D    | FITTING, 90° ELBOW               |
|      | 1   | MS28775-314   | O-RING                           |
|      | 1   | 8880410       | WIPER 3/4" IDX1-1/8" OD          |
| 6    | 8   | MS35333-39    | LOCK WASHER                      |
| 7    | 9   | NAS1149D0363J | WASHER                           |
| 8    | 1   | 6A05208-001   | FITTING, AFT, SLIDE TUBE         |
| 9    | 4   | AN6-12A       | BOLT                             |
| 10   | 6   | NAS1149D0663J | WASHER                           |
| 11   | 6   | MS21044N6     | NUT                              |
| 12   | 2   | 6A05193-001   | HOLDER - HOOK PIN                |
| 13   | 4   | AN4-24A       | BOLT                             |
| 14   | 4   | NAS1149D0463J | WASHER                           |
| 15   | 5   | MS21044N4     | NUT                              |
| 16   | -   | 6A05000-037   | ASSEMBLY, CARRIAGE, W/BUSHINGS   |
|      | 1   | 6A05309-001   | CARRIAGE, MAIN GEAR              |
|      | 2   | 26DU16        | BUSHING (LARGE)                  |
|      | 2   | O8DU08        | BUSHING (SMALL)                  |
| 17   | 4   | AN5-6A        | BOLT                             |
| 18   | 6   | NAS1149D0563J | WASHER                           |
| 19   | 4   | MS21044N5     | NUT                              |
| 20   | 2   | 6A05702-008   | PIN, MAIN GEAR LOCK              |
| 21   | 1   | 8A05402-004   | TUBE, SLIDE, MAIN GEAR, CARRIAGE |
| 22   | 2   | AN6-7A        | BOLT                             |
| 23   | 1   | AN3-25A       | BOLT                             |
| 24   | 1   | 6A05042-001   | HOOK - MAIN GEAR LOCK (AFT)      |
| 25   | 1   | 6A05041-001   | HOOK - MAIN GEAR LOCK (FWD)      |
| 26   | 1   | AN6-26A       | BOLT                             |
| 27   | 1   | MS21044N3     | NUT                              |
| 28   | 1   | 6A05533-001   | SPRING, MAIN GEAR LOCK           |
| 29   | 2   | 1032NFX3/16   | SET SCREW, 10-32 X 3/16 S.S. CP  |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                 |
|------|-----|---------------|----------------------------------|
| 30   | 2   | 3A05701-001   | MAGNET                           |
| 31   | 2   | 6A05087-001   | SCREW, ADJUSTING, MAIN GEAR LOCK |
| 32   | 2   | AN316-4R      | NUT                              |
| 33   | 1   | 6A05158-019   | COVER, SLIDE TUBE TRUCK          |
| 34   | 4   | NAS1149DN832J | WASHER                           |
| 35   | 4   | MS35333-38    | LOCK WASHER                      |
| 36   | 4   | AN526-832-8   | SCREW                            |
| 37   | 1   | AN4-14A       | BOLT                             |
| 38   | 1   | 1095K41       | GREASE ZERK                      |
| 39   | 1   | NAS1149F0463P | WASHER                           |
| 40   | 1   | AN6-47A       | BOLT                             |
| 41   | 1   | 6A01201-001   | FITTING, FWD, SLIDE, TUBE        |
| 42   | 2   | AN5H20A       | BOLT                             |
| 43   | 8   | NAS1103-2     | BOLT                             |
| 44   | 1   | 6A05259-002   | END, SLIDE TUBE                  |
| 45   | 1   | 8A05195-001   | CAP FITTING, AFT, SLIDE TUBE     |
| 46   | 1   | MS28775-220   | O RING, DIA 1.359                |
| 47   | 1   | MS28775-219   | O RING, DIA 1.296                |

## NOSE GEAR WHEEL ASSEMBLY, SINGLE-PIECE FORK (BACKWARDS COMPATIBLE)



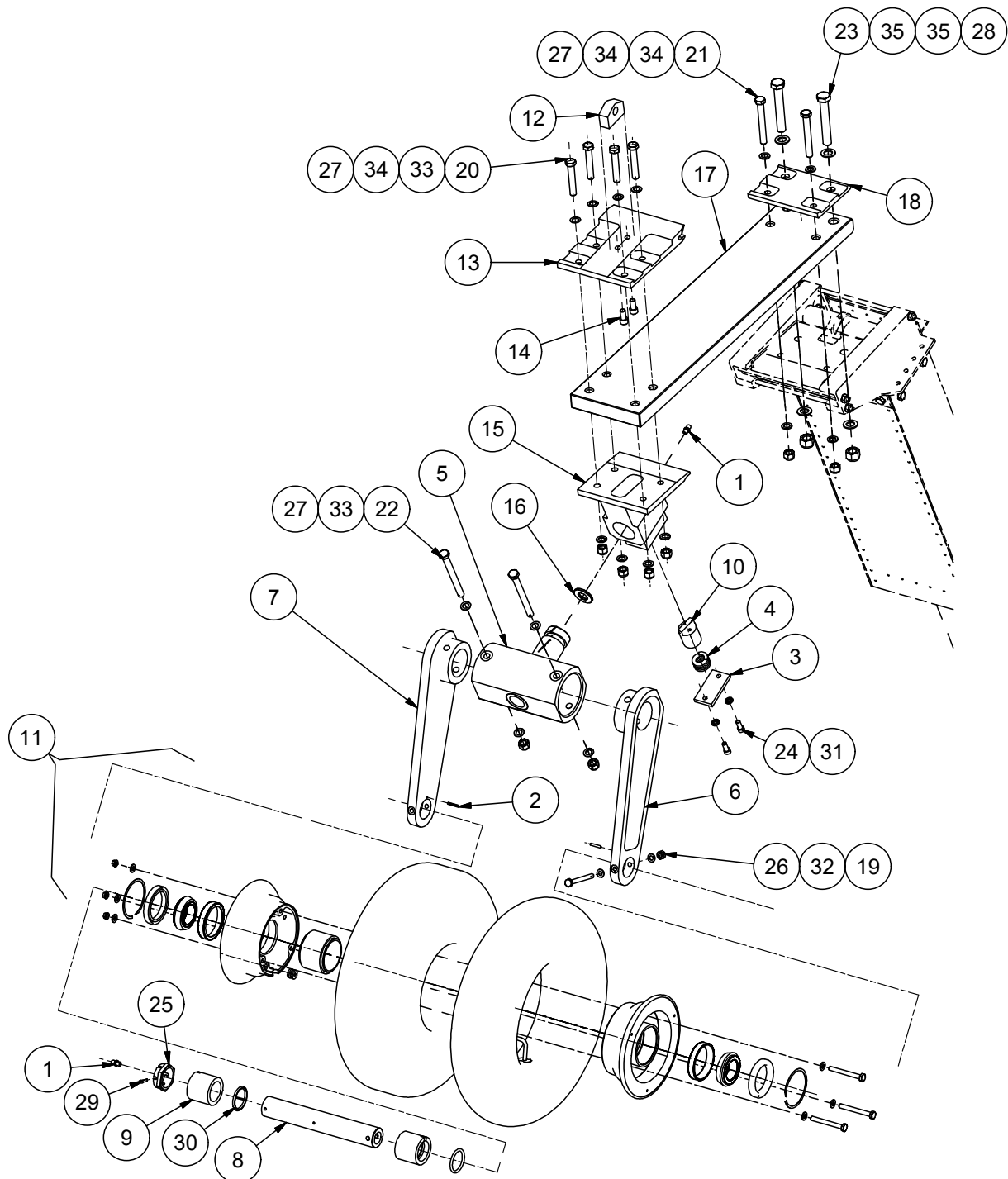
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                 |
|------|-----|---------------|------------------------------------------------------------------|
| -    | 1   | 1012042       | ASSEMBLY, NOSE FORK AND PIVOT (208)                              |
| 1    | 1   | 1012040       | ASSEMBLY, NOSE FORK WITH PIN (SEE DETAIL)                        |
| 2    | 2   | 1095K41       | COMMON GREASEZERK                                                |
| 3    | 2   | 215-125-0750  | PIN, ROLL, 1/8 X 3/4, SPRING                                     |
| 4    | 1   | 3A06037-001   | CAP - PIVOT BLOCK                                                |
| 5    | 1   | 3A06525-002   | SPRING, CENTERING, NOSE GEAR                                     |
| 6    | 1   | 6A06265-001   | AXLE - NOSE WHEEL                                                |
| 7    | 2   | 6A06268-002   | SPACER                                                           |
| 8    | 1   | 6A06512-002   | RETAINER, NOSE GEAR PIVOT                                        |
| 9    | 1   | 8A06000-008   | NOSE WHEEL ASSY                                                  |
|      | 1   | 301-018-420*  | TIRE, 5.00X5 10 PLY                                              |
|      | 1   | XA1AC*        | TUBE, 5.00X5                                                     |
|      | 1   | 1003233       | WHEEL ASSEMBLY WITHOUT TIRE (SEE FOLLOWING PAGES FOR BREAKDOWNS) |
| 10   | 1   | 8A06000-029   | ASSEMBLY, PLATE, TOW LUG                                         |
| 11   | 1   | 8A06308-001   | BLOCK, PIVOT, NOSE GEAR                                          |
| 12   | 1   | 8A06600-001   | WASHER - THRUST                                                  |
| 13   | 1   | 8A06626-001   | SPRING, NOSE GEAR                                                |
| 14   | 1   | AN4-25A       | BOLT, 1/4-28, 2.1875 GRIP, UNDRILLED, STEEL                      |
| 15   | 4   | AN6-21A       | BOLT, 3/8-24, 1.5625 GRIP, UNDRILLED, STEEL                      |
| 16   | 2   | MS16997-60    | SOCKET HEAD CAP SCREW                                            |
| 17   | 1   | MS21025-20    | NUT, AXLE                                                        |
| 18   | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                         |
| 19   | 4   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                         |
| 20   | 1   | MS24665-349   | COTTER PIN                                                       |
| 21   | 2   | MS28775-218   | "O" RING                                                         |
| 22   | 2   | MS35333-40    | STAR WASHER                                                      |
| 23   | 2   | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL                               |
| 24   | 2   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                               |
| 25   | 4   | NAS1149F0632P | WASHER, 0.39 ID, 0.032 THK, STEEL                                |
| 26   | 4   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL                                |

## NOSE FORK WITH PIN ASSEMBLY (BACKWARDS COMPATIBLE)



| ITEM | QTY | PART NO.    | PART DESCRIPTION             |
|------|-----|-------------|------------------------------|
| -    | 1   | 1012040     | ASSEMBLY, NOSE FORK WITH PIN |
| 1    | 1   | 1011759     | NOSE FORK, WITHOUT PIN       |
| 2    | 1   | 6A06501-001 | CASTOR PIN, NOSE GEAR        |

## NOSE GEAR WHEEL ASSEMBLY, THREE-PIECE FORK (\*DISCONTINUED, FOR REFERENCE ONLY)

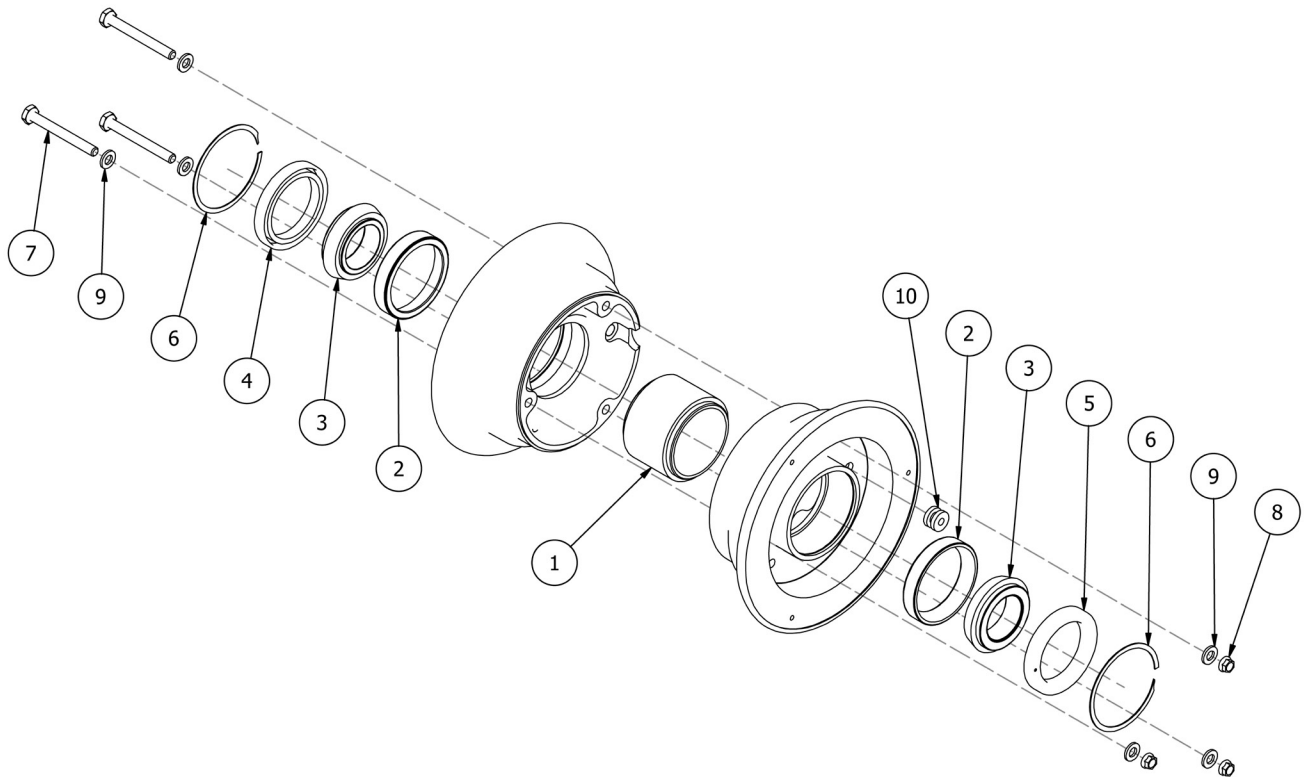


\* THREE-PIECE FORK COMPONENTS (ITEMS 5-7) HAVE BEEN DISCONTINUED.  
OTHERS ARE CROSS-COMPATIBLE.

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                      |
|------|-----|---------------|-----------------------------------------------------------------------|
| 1    | 2   | 1095K41       | COMMON GREASEZERK                                                     |
| 2    | 2   | 215-125-0750  | PIN, ROLL, 1/8 X 3/4, SPRING                                          |
| 3    | 1   | 3A06037-001   | CAP - PIVOT BLOCK                                                     |
| 4    | 1   | 3A06525-002   | SPRING                                                                |
| 5    | 1   | 8A06000-006   | YOKE ASSY (DISCONTINUED)                                              |
| 6    | 1   | 6A06199-003   | LEG, NOSE WHEEL FORK, LEFT (DISCONTINUED)                             |
| 7    | 1   | 6A06199-004   | LEG, NOSE WHEEL FORK, RIGHT (DISCONTINUED)                            |
| 8    | 1   | 6A06265-001   | AXLE - NOSE WHEEL                                                     |
| 9    | 2   | 6A06268-002   | SPACER                                                                |
| 10   | 1   | 6A06512-002   | RETAINER, NOSE GEAR PIVOT                                             |
| 11   | 1   | 8A06000-008   | NOSE WHEEL ASSY WITH TIRE                                             |
|      | 1   | 301-018-420*  | TIRE, 5.00X5 10 PLY                                                   |
|      | 1   | XA1AC*        | TUBE, 5.00X5                                                          |
|      | 1   | 1003233       | NOSE WHEEL ASSEMBLY WITHOUT TIRE (SEE FOLLOWING PAGES FOR BREAKDOWNS) |
| 12   | 1   | 6A06202-001   | BLOCK, ATTACH, TOWING                                                 |
| 13   | 1   | 8A06210-002   | PLATE, BEARING, NOSE SPRING                                           |
| 14   | 2   | MS16997-78    | SOCKET HEAD CAP SCREW                                                 |
| 15   | 1   | 8A06308-001   | BLOCK, PIVOT, NOSE GEAR                                               |
| 16   | 1   | 8A06600-001   | WASHER - THRUST                                                       |
| 17   | 1   | 8A06626-001   | SPRING, NOSE GEAR                                                     |
| 18   | 1   | 8A07212-001   | PLATE - BEARING, NOSE SPRING                                          |
| 19   | 1   | AN4-25A       | BOLT, 1/4-28 THREAD, 2-3/16" GRIP, 2-21/32 LENGTH                     |
| 20   | 4   | AN6-21A       | BOLT, AIRFRAME, 3/8-24 THREAD, 1-9/16" GRIP, 2-13/64 LENGTH           |
| 21   | 2   | AN6-27A       | BOLT, AIRFRAME, 3/8-24 THREAD, 2-5/16" GRIP, 2-61/64 LENGTH           |
| 22   | 2   | AN6-37A       | BOLT, AIRFRAME, 3/8-24 THREAD, 3-5/16" GRIP, 3-61/64 LENGTH           |
| 23   | 2   | AN8-31A       | BOLT, AIRFRAME, 1/2-20 THREAD, 2-7/16" GRIP, 3-7/32" LENGTH           |
| 24   | 2   | MS16997-60    | SOCKET HEAD CAP SCREW                                                 |
| 25   | 1   | MS21025-20    | NUT, AXLE                                                             |
| 26   | 1   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28                     |
| 27   | 8   | MS21044N6     | NUT, NYLON INSERT, 250 DEG, STEEL, 0.375-24 THREAD                    |
| 28   | 2   | MS21044N8     | NUT, 1/2-20 THREAD, NYLON INSERT, 250 DEG.                            |
| 29   | 1   | MS24665-349   | COTTER PIN                                                            |
| 30   | 2   | MS28775-218   | "O" RING                                                              |
| 31   | 2   | MS35333-40    | STAR WASHER                                                           |
| 32   | 2   | NAS1149F0432P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 1/4"                       |
| 33   | 8   | NAS1149F0632P | WASHER                                                                |
| 34   | 8   | NAS1149F0663P | WASHER                                                                |
| 35   | 4   | NAS1149F0863P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 1/2"                       |

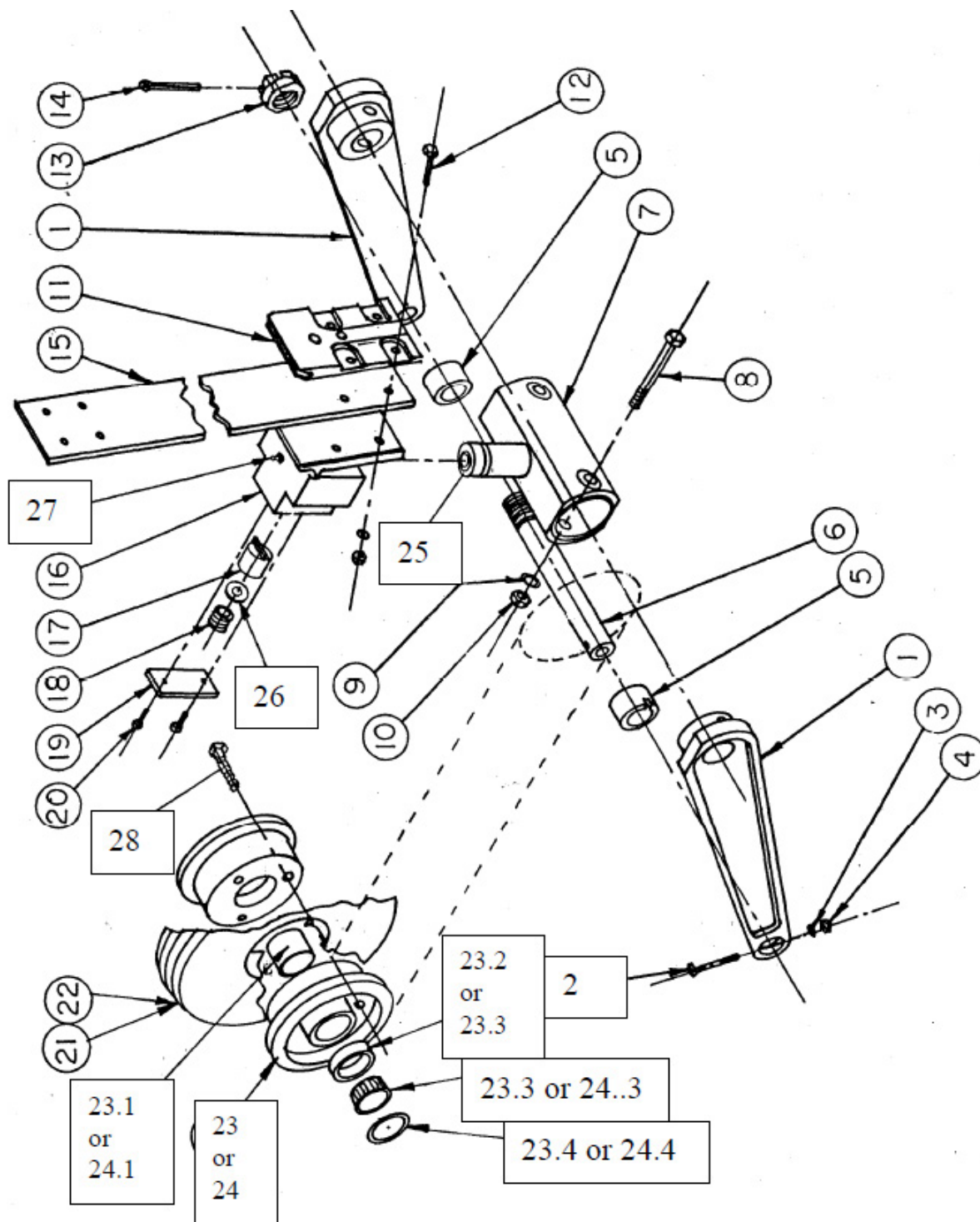
\* Any alternate tire (tube type) which is TSO-approved, matches the listed tire's dimensions, and meets its speed/load/ply ratings may be used. Equivalent tubes may also be used.

## NOSE WHEEL ASSEMBLY WITHOUT TIRE



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                                                   |
|------|-----|---------------|----------------------------------------------------------------------------------------------------|
| -    | 1   | 1003233       | ASSEMBLY, NOSE WHEEL WITHOUT TIRE (REWORKED CLEVELAND P/N 40-87H WITH DRAIN HOLES, EXPANDED SEALS) |
| 1    | 1   | 1003232       | RETAINER, GREASE, NOSE WHEEL                                                                       |
| 2    | 2   | 08231         | CUP, BEARING, TIMKEN                                                                               |
| 3    | 2   | 08125         | BEARING, STL, TIMKEN                                                                               |
| 4    | 1   | 1003547       | SEAL, BEARING, WHEEL, INBOARD                                                                      |
| 5    | 1   | 1003548       | SEAL, NOSE WHEEL, OUTBOARD (INCLUDES #50 VENT HOLE)                                                |
| 6    | 2   | 155-00200     | RING, SNAP                                                                                         |
| 7    | 3   | AN4-22A       | BOLT, 1/4-28 THREAD, 1-13/16" GRIP, 2-9/32" LENGTH                                                 |
| 8    | 3   | MS21042-4     | NUT, SELF LOCKING, 1/4-28, REDUCED HEIGHT                                                          |
| 9    | 6   | NAS1149F0463P | WASHER, SCREW SIZE 1/4 OD.500 ID.265 THK.063                                                       |
| 10   | 1   | 217-00100     | GROMMET, AIR VALVE STEM                                                                            |

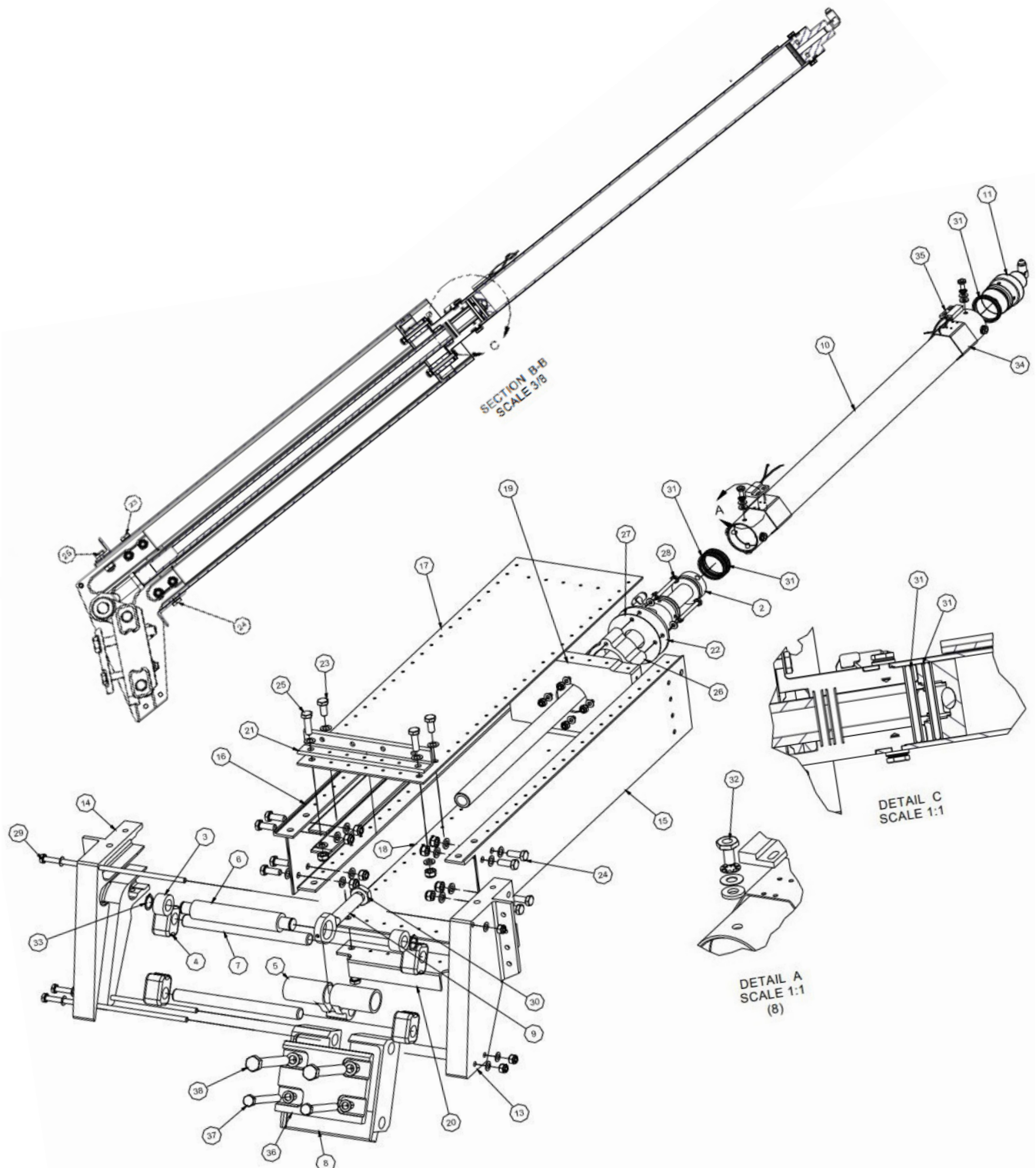
**(OBSOLETE) MCCAULEY NOSE GEAR LOWER END ASSEMBLY  
(DISCONTINUED)**



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                  |
|------|-----|---------------|-------------------------------------------------------------------|
| 1    | 1   | 6A06199-004   | LEG-NOSE FORK (RIGHT)                                             |
|      | 1   | 6A06199-003   | LEG-NOSE FORK (LEFT)                                              |
|      | 2   | 215-125-0750  | ROLL PIN                                                          |
| 2    | 2   | AN4-25A       | BOLT                                                              |
| 3    | 1   | NAS1149D0463J | WASHER                                                            |
|      | 1   | NAS1149D0416J | WASHER                                                            |
| 4    | 1   | MS21044N4     | NUT                                                               |
| 5    | 2   | 6A06268-002   | SPACER-AXLE                                                       |
|      | 2   | 215-125-0750  | ROLL PIN                                                          |
|      | 2   | MS28775-218   | "O" RING                                                          |
| 6    | 1   | 6A06265-001   | AXLE                                                              |
|      | 1   | 1095K41       | ZERK                                                              |
| 7    | 1   | 6A06000-006   | YOKE ASSEMBLY                                                     |
| 8    | 2   | AN6-37A       | BOLT                                                              |
| 9    | 2   | NAS1149D0663J | WASHER                                                            |
| 10   | 2   | MS21044N6     | NUT                                                               |
| 11   | 1   | 8A06000-029   | PLATE ASS'Y W/ TOW LUG                                            |
|      | 1   | 8A06210-002   | PLATE-NOSE SPRING                                                 |
|      | 1   | 6A06202-001   | LUG                                                               |
|      | 2   | MS16997-77    | SCREWS (FOR TOW LUG)                                              |
| 12   | 4   | AN6-21A       | BOLT                                                              |
|      | 4   | NAS1149D0663J | WASHER                                                            |
|      | 4   | MS21044N6     | NUT                                                               |
| 13   | 1   | MS21025-20    | NUT-WHEEL-RETAINING                                               |
| 14   | 1   | MS24665-351   | COTTER PIN                                                        |
| 15   | 1   | 8A06626-001   | NOSE SPRING                                                       |
| 16   | 1   | 8A06308-001   | PIVOT BLOCK                                                       |
| 17   | 1   | 6A06512-002   | RETAINER PIVOT CENTERING                                          |
| 18   | 1   | 3A06525-002   | SPRING                                                            |
| 19   | 1   | 3A06037-001   | CAP                                                               |
| 20   | 2   | MS16997-60    | SCREW                                                             |
|      | 2   | MS35333-40    | LOCK-WASHER                                                       |
| 21   | 1   | 301-018-420   | TIRE 5:00 X 5 10 PLY (TYPE III)                                   |
| 22   | 1   | XA1AC         | TUBE                                                              |
| 23   | 1   | 1003233       | ASSEMBLY NOSE WHEEL (NEWER STYLE, MACHINED INNER RIM) (NOT SHOWN) |
| 23.1 | 1   | 6A06616-003   | GREASE RETAINER                                                   |
| 23.2 | 2   | 08231         | BEARING CUP                                                       |
| 23.3 | 2   | 08125         | BEARING CONE                                                      |
| 23.4 | 1   | 1003547       | GREASE SEAL, INNER                                                |
|      | 1   | 1003548       | GREASE SEAL, OUTER                                                |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                  |
|------|-----|---------------|---------------------------------------------------|
| 24   | 1   | 6A06000-028   | ASSEMBLY NOSE WHEEL (OLD STYLE, RAISED INNER RIM) |
| 24.1 | 1   | 6A06616-003   | GREASE RETAINER                                   |
| 24.2 | 2   | LM67010       | BEARING CUP (OLD STYLE)                           |
|      | 2   | 08125         | BEARING CUP (NEW STYLE)                           |
| 24.3 | 2   | LM67048       | BEARING CONE (OLD STYLE)                          |
|      | 2   | 08231         | BEARING CONE (NEW STYLE)                          |
| 24.4 | 2   | 473237        | GREASE SEAL (OLD STYLE)                           |
|      | 1   | 1003547       | GREASE SEAL INNER (NEW STYLE)                     |
|      | 1   | 1003548       | GREASE SEAL OUTER (NEW STYLE)                     |
| 25   | 1   | 8A06600-001   | WASHER THRUST                                     |
| 26   | 2   | NAS1149F0763P | WASHER (OPT.)                                     |
| 27   | 1   | 1095K41       | GREASE FITTING                                    |
| 28   | 3   | AN5-22A       | BOLT                                              |
|      | 6   | NAS1149F0563P | WASHER                                            |
|      | 3   | MS21044N5     | NUT                                               |

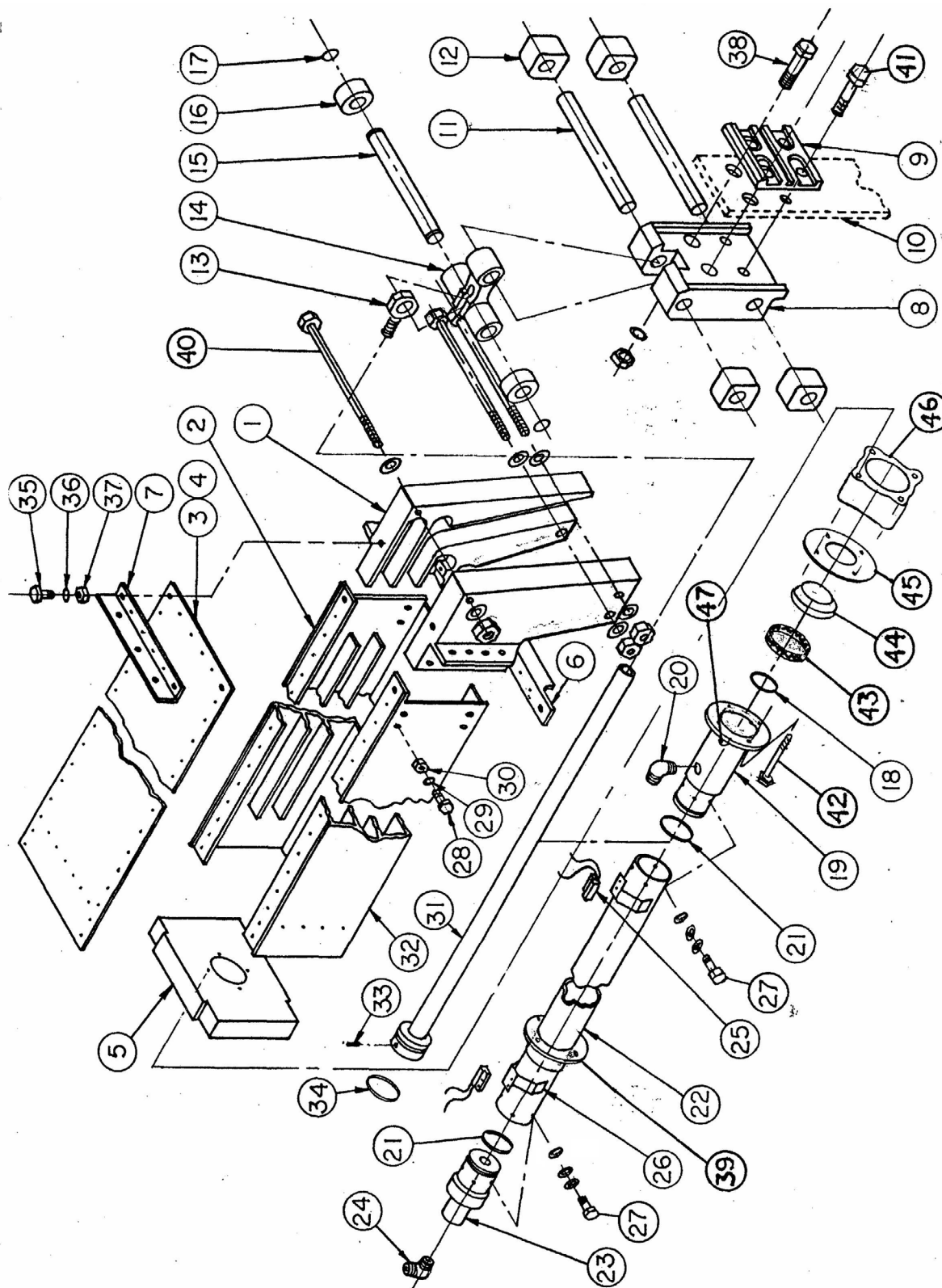
## NOSE GEAR ASSEMBLY (T-SEALS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                 |
|------|-----|---------------|----------------------------------|
| 1    | 1   | 1002262       | ACTUATOR AND NOSE BOX COMPLETE   |
| 2    | 1   | 6A07000-008   | ASSY RAM, NOSE GEAR              |
| 3    | 2   | 6A07544-001   | ROLLER, TRACK                    |
| 4    | 4   | 6A07603-001   | BLOCK, SLIDE, TROLLEY            |
| 5    | 1   | 8A07185-002   | LINK, NOSE GEAR RAM              |
| 6    | 1   | 8A07505-001   | AXLE, LINK                       |
| 7    | 2   | 8A07534-003   | AXLE, NOSE GEAR TROLLEY          |
| 8    | 1   | 8A07188-001   | TROLLEY                          |
| 9    | 1   | 8A07257-002   | ROD END, NOSE GEAR RAM           |
| 10   | 1   | 1002024       | RAM NOSE CYLINDER                |
| 11   | 1   | 1002236       | ASSY. CYL. END CAP               |
| 12   | 1   | 1002261       | ASSY NOSE BOX (WITHOUT ACTUATOR) |
| 13   | 1   | 8A07337-003   | TRACK END LH                     |
| 14   | 1   | 8A07337-004   | TRACK END RH                     |
| 15   | 1   | 8A07364-003   | SIDE TRACK, NOSE GEAR LH         |
| 16   | 1   | 8A07364-004   | SIDE TRACK, NOSE GEAR RH         |
| 17   | 1   | 8A07156-037   | SKIN, NOSE BOX TOP               |
| 18   | 1   | 8A07156-038   | SKIN, NOSE BOX BOTTOM            |
| 19   | 1   | 8A07201-002   | END CAP, NOSE BOX                |
| 20   | 1   | 8A07357-038   | ANGLE, NOSE BOX, BOTTOM          |
| 21   | 1   | 8A07427-004   | ANGLE, NOSE BOX, TOP             |
| 22   | 1   | 1002237       | CYLINDER FLANGE ASSY COMPLETE    |
| 23   | 12  | AN5-5A        | BOLT                             |
| 24   | 10  | AN5-6A        | BOLT                             |
|      | 8   | NAS1149D0563J | WASHER                           |
|      | 10  | NAS1149D0516J | WASHER                           |
|      | 8   | MS21044N5     | NUT                              |
| 25   | 2   | AN5-10A       | BOLT                             |
|      | 2   | NAS1149D0563J | WASHER                           |
|      | 2   | NAS1149D0516J | WASHER                           |
|      | 2   | MS21044N5     | NUT                              |
| 26   | 1   | 6A07264-003   | SPACER, FLANGE CYL.              |
| 27   | 8   | 6A07158-129   | PLATE, FLANGE                    |
| 28   | 4   | AN3-17A       | BOLT                             |
|      | 8   | NAS1149F0332P | WASHER                           |
|      | 4   | MS21044N3     | NUT                              |
| 29   | 3   | AN4-81A       | BOLT                             |
|      | 6   | NAS1149D0416J | WASHER                           |
|      | 3   | MS21044N4     | NUT                              |
| 30   | 1   | AN316-10R     | NUT                              |
| 31   | 3   | 1002229       | T-SEAL, PISTON                   |

| ITEM | QTY | PART NO.      | PART DESCRIPTION           |
|------|-----|---------------|----------------------------|
| 32   | 8   | NAS1103-2     | BOLT                       |
|      | 8   | NAS1149D0363J | WASHER                     |
|      | 8   | NAS1149D0316J | WASHER                     |
|      | 8   | MS35333-39    | STAR WASHER                |
| 33   | 2   | 5100-62H      | SNAP RING                  |
| 34   | 2   | 3A07005-178   | CLIP SWITCH                |
| 35   | 2   | 5801          | SWITCH, SENSOR             |
| 36   | 1   | 8A07212-001   | PLATE-BEARING, NOSE SPRING |
| 37   | 2   | AN6-27A       | BOLT                       |
|      | 4   | NAS1149F0663P | WASHER                     |
|      | 2   | MS21044N6     | NUT                        |
| 38   | 2   | AN8-31A       | BOLT                       |
|      | 4   | NAS1149F0763P | WASHER                     |
|      | 2   | MS21044N8     | NUT                        |

## NOSE GEAR ASSEMBLY (O-RINGS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION            |
|------|-----|---------------|-----------------------------|
| -    | 1   | 8A07000-006   | NOSE GEAR ASSEMBLY COMPLETE |
| 1    | 1   | 8A07337-003   | TRACK FRONT-LEFT            |
|      | 1   | 8A07337-004   | TRACK FRONT-RIGHT           |
| 2    | 1   | 8A07364-003   | TRACK SIDE-LEFT             |
| 3    | 1   | 8A07156-037   | BOX COVER TOP               |
| 4    | 1   | 8A07156-038   | BOX COVER BOTTOM            |
| 5    | 1   | 8A07201-002   | END CAP                     |
| 6    | 1   | 8A07357-038   | ANGLE-NOSE BOX LOWER        |
| 7    | 1   | 8A07427-004   | ANGLE-NOSE BOX UPPER        |
| 8    | 1   | 8A07188-001   | TROLLEY                     |
| 9    | 1   | 8A07212-001   | PLATE BEARING               |
| 10   | 1   | 8A06626-001   | NOSE SPRING                 |
| 11   | 2   | 8A07534-003   | AXLE TROLLEY                |
| 12   | 4   | 6A07603-001   | BLOCKS TROLLEY              |
| 13   | 1   | 8A07257-002   | ROD END                     |
|      | 1   | AN316-10R     | JAM NUT                     |
| 14   | 1   | 8A07185-002   | LINK RAM END                |
| 15   | 1   | 8A07505-001   | AXLE                        |
| 16   | 2   | 6A07544-001   | ROLLER                      |
| 17   | 2   | 5100-62H      | SNAP RING                   |
| 18   | 1   | MS28775-316   | "O" RING                    |
| 19   | 1   | 6A07264-002   | FLANGE-NOSE CYLINDER        |
| 20   | 1   | MS20822-4D    | ELBOW                       |
| 21   | 2   | MS28775-220   | "O" RING                    |
| 22   | 1   | 6A07116-002   | CYLINDER                    |
| 23   | 1   | 6A05268-001   | END CAP                     |
| 24   | 1   | MS20822-4D    | ELBOW                       |
| 25   | 2   | 5801          | SWITCH SENSOR               |
| 26   | 2   | 3A07005-178   | MOUNT-SWITCH                |
| 27   | 8   | NAS6203-2     | BOLT                        |
|      | 8   | NAS1149D0363J | WASHER THICK                |
|      | 8   | NAS1149D0316J | WASHER THIN                 |
|      | 8   | MS35333-39    | WASHER-LOCK                 |
| 28   | 10  | AN5-6A        | BOLT                        |
| 29   | 10  | NAS1149D0563J | WASHER                      |
|      | 12  | NAS1149D0516J | WASHER                      |
| 30   | 8   | MS21044N5     | NUT                         |
| 31   | 1   | 6A07000-008   | ASSEMBLY RAM                |
| 32   | 1   | 8A07364-004   | TRACK-SIDE (RIGHT)          |
| 33   | 1   | 3A05701-001   | MAGNET                      |
| 34   | 1   | MS28775-219   | "O" RING                    |

| ITEM | QTY | PART NO.      | PART DESCRIPTION      |
|------|-----|---------------|-----------------------|
| 35   | 2   | AN5-10A       | BOLT                  |
| 36   | 4   | NAS1149D0516J | WASHER                |
| 37   | 2   | MS21044N5     | NUT                   |
| 38   | 2   | AN8-31A       | BOLT                  |
|      | 4   | NAS1149F0763P | WASHER                |
|      | 2   | MS21044N8     | NUT                   |
| 39   | 1   | 6A05181-001   | SUPPORT RING CYLINDER |
|      | 1   | MS28775-327   | "O" RING              |
| 40   | 3   | AN4-81A       | BOLT                  |
|      | 3   | NAS1149F0432P | WASHER                |
|      | 3   | MS21044N4     | NUT                   |
| 41   | 2   | AN6-27A       | BOLT                  |
|      | 4   | NAS1149F0663P | WASHER                |
|      | 2   | MS21044N6     | NUT                   |
| 42   | 4   | AN3-17A       | BOLT                  |
|      | 4   | NAS1149F0363P | WASHER                |
|      | 4   | MS21044N3     | NUT                   |
| 43   | 1   | 6A07580-005   | WIPER FELT            |
| 44   | 1   | 8880510       | WIPER NYLON           |
| 45   | 1   | 6A07158-129   | PLATE                 |
| 46   | 1   | 6A07264-003   | SPACER                |
| 47   | 1   | 1205K12       | OILER FILLER          |

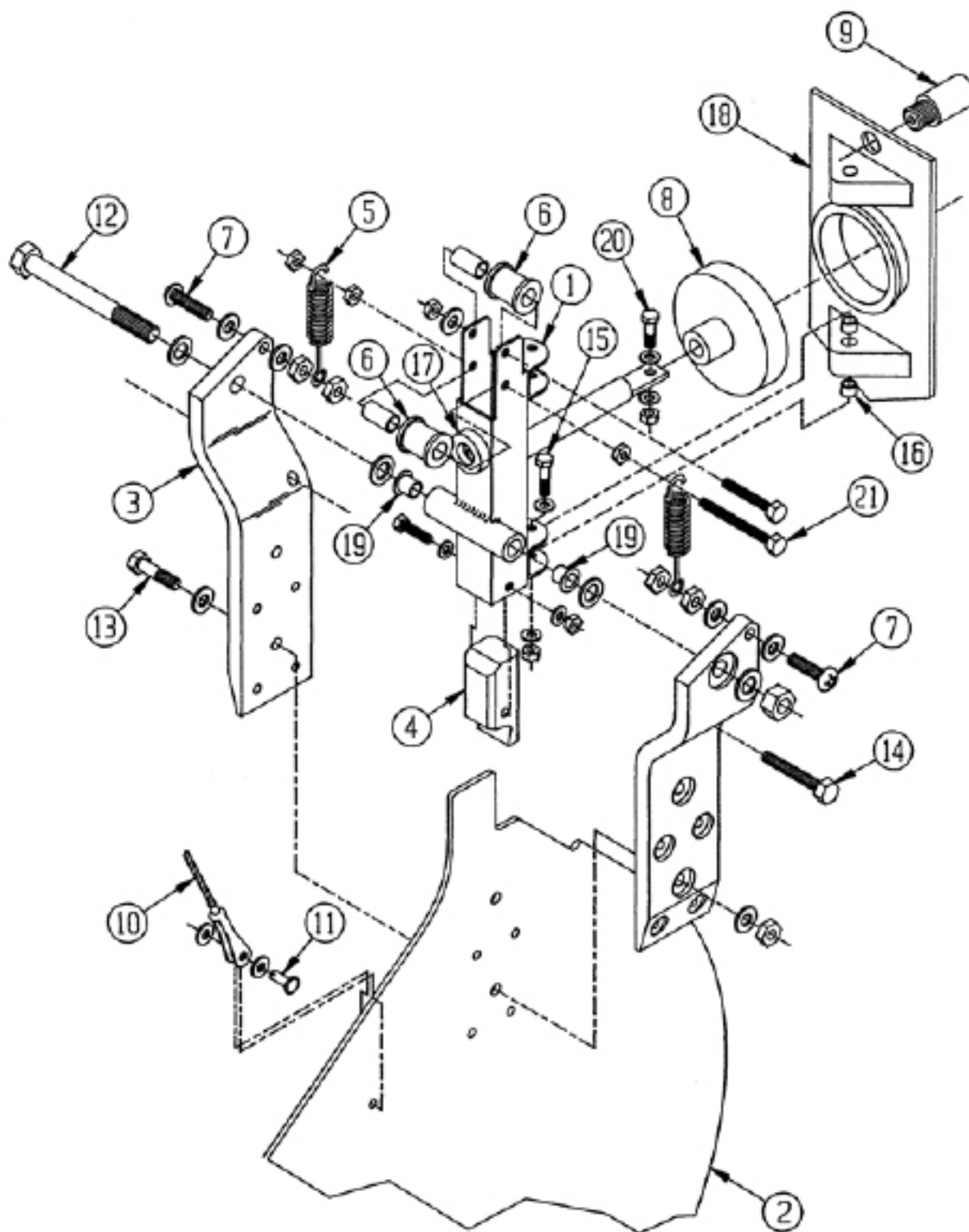
## **SECTION 9**

# **WATER RUDDER, STEERING, AND RETRACT CABLES**

### **CONTENTS**

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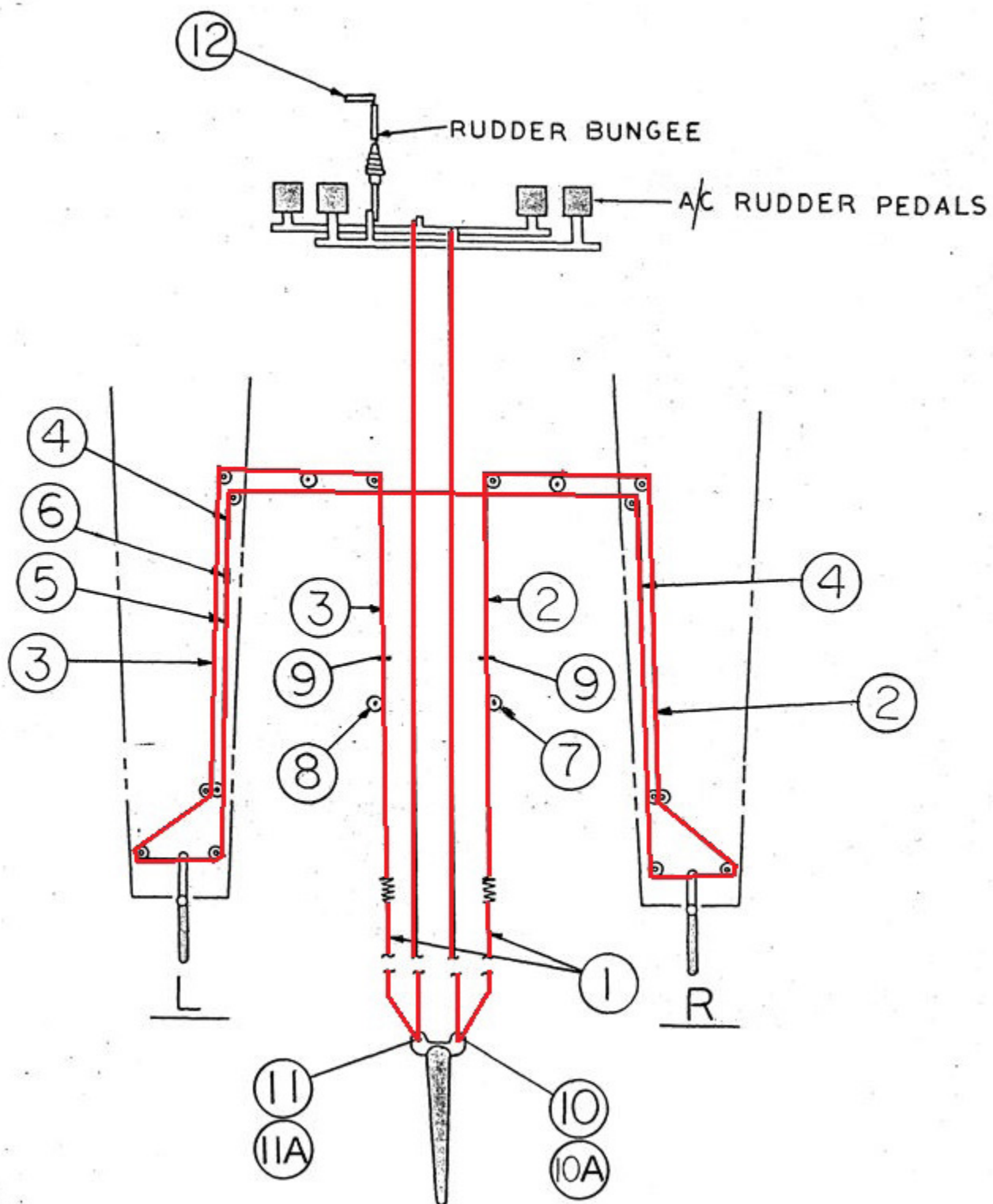
## WATER RUDDER BLADE INSTALLATION



| ITEM | QTY | PART NO.      | PART DESCRIPTION               |
|------|-----|---------------|--------------------------------|
| 1    | 1   | 8A08000-098   | ASSEMBLY-WATER RUDDER POST     |
| 2    | 1   | 8A08000-023   | ASSEMBLY-WATER RUDDER BLADE    |
| 3    | 1   | 8A08044-002   | ARM-WATER RUDDER CONTROL-RIGHT |
|      | 1   | 8A08044-001   | ARM-WATER RUDDER CONTROL-LEFT  |
| 4    | 1   | 8A08183-006   | STOP-WATER RUDDER              |
|      | 2   | AN3-13A       | BOLT-ATTACH                    |
|      | 2   | NAS1149D0363J | WASHER                         |
|      | 2   | MS21044N3     | NUT                            |
| 5    | 2   | 3A08525-001   | SPRING                         |
| 6    | 2   | 3A08606-001   | ROLLER                         |
|      | 2   | 3A08502-001   | BUSHING-ROLLER                 |
|      | 1   | 1032 X 2"     | BOLT-TOP (STAINLESS ST'L)      |
|      | 1   | 1032 X 1 1/2  | BOLT-LOWER (STAINLESS ST'L)    |
|      | 4   | NAS679A3W     | NUT                            |
| 7    | 2   | MS35207-283   | SCREW SPRING ATTACH            |
|      | A/R | NAS1149F0463P | WASHER                         |
|      | 2   | NAS679A4W     | NUT                            |
| 8    | 1   | 3A08650-001   | RUBBER BOOT                    |
| 9    | 1   | 3A08605-001   | CABLE GUIDE                    |
| 10   | 1   | 8A08000-039   | CABLE ASSEMBLY                 |
| 11   | 1   | MS20392-2C19  | CLEVIS PIN                     |
|      | 1   | NAS1149D0363J | WASHER                         |
|      | 1   | MS24665-132   | COTTER PIN                     |
| 12   | 1   | AN6C34A       | BOLT                           |
|      | A/R | NAS1149D0663J | WASHER                         |
|      | 1   | MS21083N6     | NUT                            |
| 13   | 2   | AN4-11A       | BOLT ATTACH                    |
|      | A/R | NAS1149D0416J | WASHER                         |
|      | 2   | MS21044N4     | NUT                            |
|      | 4   | AN3-13A       | BOLT ATTACH                    |
|      | 4   | NAS1149D0363J | WASHER                         |
|      | 4   | MS21044N3     | NUT                            |
|      | 2   | AN3-10A       | BOLT ATTACH LOWER              |
|      | A/R | NAS1149D0363J | WASHER                         |
|      | 2   | MS21044N3     | NUT                            |
| 14   | 1   | AN4-20A       | BOLT STOP                      |
|      | A/R | NAS1149D0463J | WASHER                         |
|      | 1   | MS21044N4     | NUT                            |
| 15   | 2   | AN3C10A       | BOLT RUDDER POST HINGE         |
|      | 2   | NAS1149D0363J | WASHER                         |
|      | 2   | NAS679A3W     | NUT                            |

| ITEM | QTY | PART NO.         | PART DESCRIPTION                                |
|------|-----|------------------|-------------------------------------------------|
| 16   | 4   | 4L4F             | NYLINER, PLASTIC, FLANGED, 1/2" DIA (OLD STYLE) |
|      | 4   | 03DU-04          | BEARING (TEFLON STEEL) (NEW STYLE)              |
| 17   | 1   | 8A08602-004      | STOP-RUDDER UP                                  |
|      | 1   | AN526-1032R9     | SCREW                                           |
|      | 1   | AN970-3          | WASHER                                          |
|      | 1   | MS21044N3        | NUT                                             |
| 18   | 1   | 3A01437-001      | CASTING-WATER RUDDER                            |
| 19   | 2   | 6L11F            | NYLINER, PLASTIC, FLANGED, 3/8" DIA             |
|      | 2   | 06DU08           | BUSHING, TEFLON- STEEL, 3/8" DIA, LENGTH 1/2"   |
| 20   | 1   | AN3-6A           | BOLT                                            |
|      | 1   | NAS1149D0363J    | WASHER                                          |
|      | 1   | MS21044N3        | NUT                                             |
| 21   | 2   | 1032X2 INCH S.S. | BOLT (STAINLESS STEEL)                          |

## WATER RUDDER STEERING SYSTEM

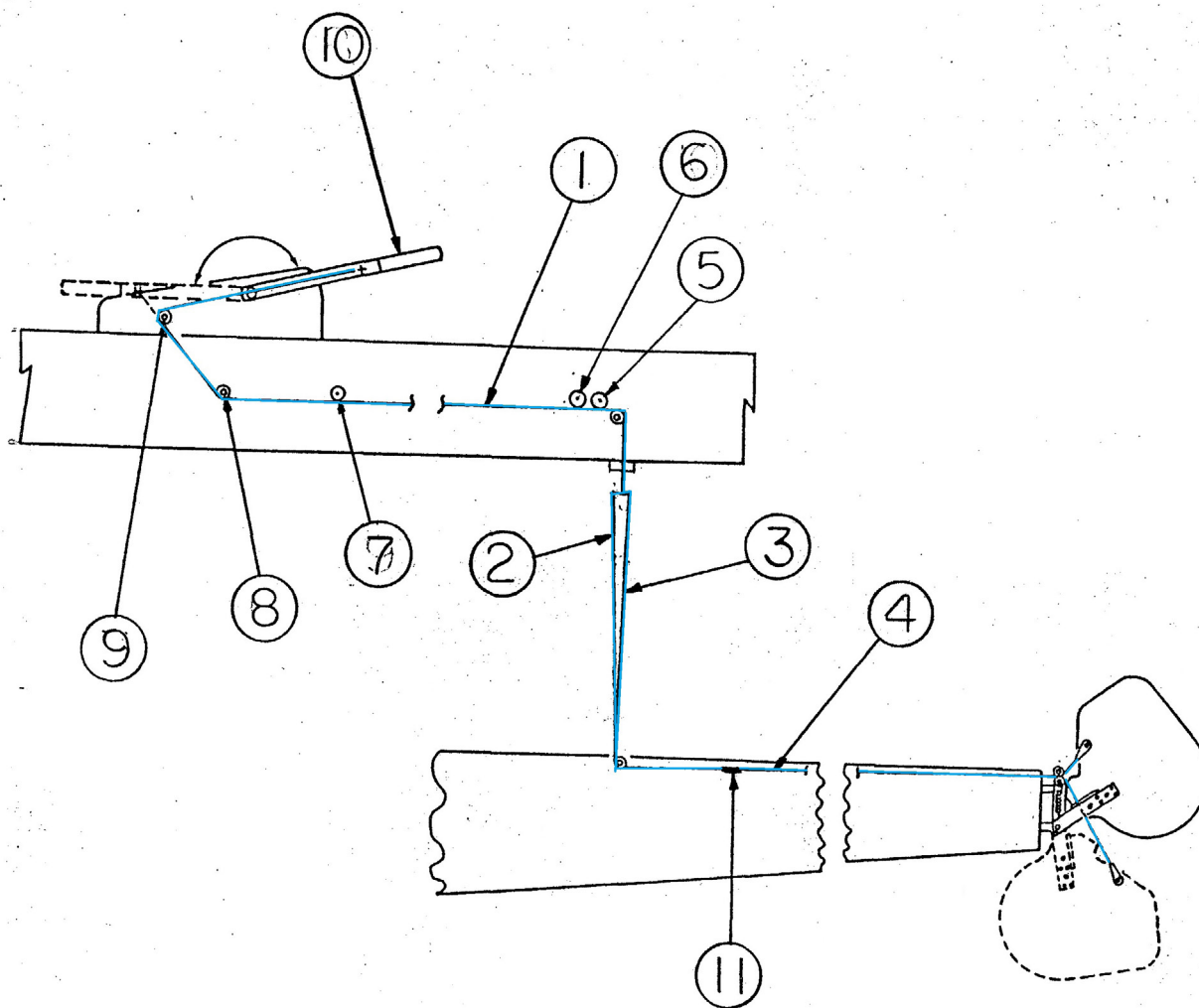


| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| 1    | 2   | 8A08000-034   | ASSEMBLY-CABLE STEERING AIRCRAFT TAIL       |
|      | 2   | 0760629-1     | SPRING (CESSNA 208 ONLY)                    |
|      | 2   | 8A08492-001   | DRAWBAR (CESSNA 208 ONLY)                   |
|      | 2   | 1012383       | SLEEVE, SPRING                              |
|      | 2   | MS21251B3S    | BARREL-TURNBUCKLE, LOCKING CLIP             |
|      | 2   | MS21254-3LS   | EYE END, TURNBUCKLE, CLIP LOCKING           |
|      | 2   | MS21256-1     | LOCKING CLIP-TURNBUCKLE, NOM LGTH 1.12      |
| 2    | 1   | 8A08000-032   | ASSEMBLY-STEERING CABLE-RIGHT               |
| 3    | 1   | 8A08000-033   | ASSEMBLY-STEERING CABLE-LEFT                |
| 4    | 1   | 8A08000-036   | ASSEMBLY-BALANCE CABLE STEERING-RIGHT       |
| 5    | 1   | 8A08000-035   | ASSEMBLY-BALANCE CABLE STEERING-LEFT        |
| 6    | 1   | MS21251B3S    | BARREL-TURNBUCKLE, LOCKING CLIP             |
| 7    | 1   | 8A08002-071   | PULLEY BRACKET-RIGHT CABLE-INBOARD          |
|      | 1   | 8A08002-072   | PULLEY BRACKET-RIGHT CABLE-OUTBOARD         |
|      | 1   | MS24566-2B    | PULLEY, CONTROL, ANTI-FRICTION BEARING      |
|      | 1   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL   |
|      | 1   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM       |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS24665-285   | COTTER PIN                                  |
| 8    | 1   | 8A08002-073   | PULLEY BRACKET-LEFT CABLE-INBOARD           |
|      | 1   | 8A08002-074   | PULLEY BRACKET-LEFT CABLE-OUTBOARD          |
|      | 1   | MS24566-2B    | PULLEY, CONTROL, ANTI-FRICTION BEARING      |
|      | 1   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL   |
|      | 1   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM       |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS24665-285   | COTTER PIN                                  |
| 9    | 4   | S-338-1       | FAIRLEAD, HALF, 1/8 DIA                     |
|      | 2   | 8A08002-077   | BRACKET, FAIRLEAD, WATER RUDDER             |
|      | 2   | S339-1        | CLIPS                                       |
| 10   | 1   | 8A08540-004   | LINK-RUDDER HORN-RIGHT                      |
|      | 2   | AN526-10R14   | SCREW-ATTACH                                |
|      | 2   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM       |
|      | 2   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 10A  | 1   | 8A12456-007   | BUSHING, WATER RUDDER HORN                  |
| 11   | 1   | 8A08537-003   | LINK-RUDDER HORN-LEFT                       |
|      | 2   | AN525-10R14   | SCREW-ATTACH                                |
|      | 2   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM       |
|      | 2   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 11A  | 1   | 8A12456-007   | BUSHING, WATER RUDDER HORN                  |
| 12   | 1   | 8A12072-001   | BRACKET, BUNGEE, ATTACH                     |
|      | 1   | AN8-22A       | BOLT, 1/2-20, 1.5625 GRIP, UNDRILLED, STEEL |

PARTS MANUAL  
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| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
|      | 1   | NAS1149D0863J | WASHER, 0.515 ID, 0.063 THK, ALUMINUM       |
|      | 1   | MS21044N8     | NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF    |
|      | 1   | AN8-32A       | BOLT, 1/2-20, 2.5625 GRIP, UNDRILLED, STEEL |
|      | 1   | NAS1149D0816J | WASHER, 0.515 ID, 0.016 THK, ALUMINUM       |
|      | 1   | 8A12518-004   | BUSHING, .625 X 1.125                       |
|      | 1   | 8A02458-003   | BARREL NUT, LOCKING                         |

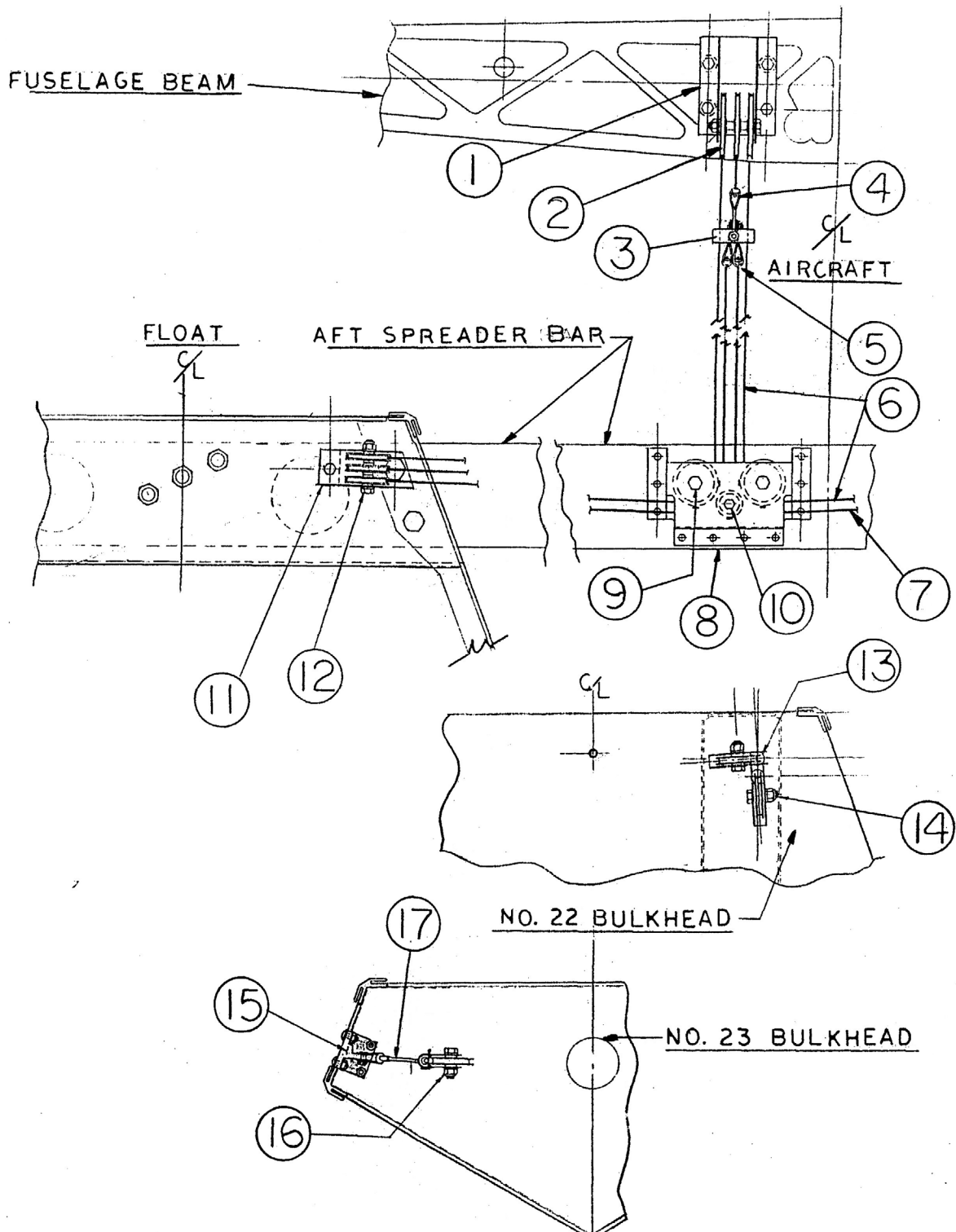
## WATER RUDDER RETRACT & PULLEY BRACKETS



| ITEM | QTY | PART NO.      | PART DESCRIPTION                       |
|------|-----|---------------|----------------------------------------|
| 1    | 1   | 8A08000-031   | ASSEMBLY-RETRACT CABLE FUSELAGE        |
| 2    | 1   | 8A08000-037   | ASS'Y-RETRACT CABLE-SPREADER BAR-LEFT  |
| 3    | 1   | 8A08000-038   | ASS'Y-RETRACT CABLE-SPREADER BAR-RIGHT |
| 4    | 2   | 8A08000-039   | ASSEMBLY-RETRACT CABLE-AFT FLOAT       |
| 5    | 1   | 8A08000-059   | ASS'Y PULLEY BRKT. - INBD. - STA.208   |
|      | 2   | AN3-4A        | BOLT-ATTACH                            |
|      | 2   | NAS1149D0316J | WASHER                                 |
|      | 2   | MS21044N3     | NUT                                    |
|      | 1   | MS24566-2B    | PULLEY                                 |
|      | 1   | AN3-6A        | BOLT-PULLEY ATTACH                     |
|      | 1   | NAS1149D0316J | WASHER                                 |
|      | 1   | MS21044N3     | NUT                                    |
|      | 2   | MS24665-285   | COTTER PIN                             |
| 6    | 1   | 8A08000-057   | ASS'Y PULLEY BRKT. - OUTBD. - STA.208  |
|      | 2   | AN3-4A        | BOLT-ATTACH                            |
|      | 2   | NAS1149D0316J | WASHER                                 |
|      | 2   | MS21044N3     | NUT                                    |
|      | 1   | MS24665-2B    | PULLEY                                 |
|      | 1   | AN3-6A        | BOLT                                   |
|      | 1   | NAS1149D0316J | WASHER                                 |
|      | 1   | MS21044N3     | NUT                                    |
|      | 2   | MS24665-285   | COTTER PIN                             |
| 7    | 1   | 8A08002-082   | PULLEY BRACKET - TOP STA. 166.45       |
|      | 1   | 8A08002-081   | PULLEY BRACKET - BOTTOM STA. 166.45    |
|      | 1   | MS24566-2B    | PULLEY                                 |
|      | 1   | AN3-6A        | BOLT                                   |
|      | 1   | NAS1149D0316J | WASHER                                 |
|      | 1   | MS21044N3     | NUT                                    |
|      | 1   | MS24566-285   | COTTER PIN                             |
| 8    | 1   | 8A08000-058   | ASS'Y PULLEY BRKT. - INBD. STA. 143.00 |
|      | 1   | 8A08002-068   | PULLEY BRKT. - OTBD. STA. 143.00       |
|      | 1   | MS24566-2B    | PULLEY                                 |
|      | 1   | AN3-6A        | BOLT                                   |
|      | 1   | NAS1149D0316J | WASHER                                 |
|      | 1   | MS21044N3     | NUT                                    |
|      | 2   | MS24665-283   | COTTER PIN                             |
| 9    | 1   | MS24566-1B    | PULLEY                                 |
|      | 1   | AN3-12A       | BOLT                                   |
|      | 1   | NAS1149D0316J | WASHER                                 |
|      | 1   | MS21044N3     | NUT                                    |
| 10   | 1   | 8A08000-121   | ASSEMBLY-RETRACT BRACKET (COMPLETE)    |

| ITEM | QTY | PART NO.    | PART DESCRIPTION             |
|------|-----|-------------|------------------------------|
|      | 1   | 8A08000-061 | ASSEMBLY-LEVER               |
|      | 1   | 6A3-2246-1  | PLACARD (UP-DOWN)            |
|      | 1   | 6B3-2243-2  | PLACARD (FOR ALL OPERATIONS) |
|      | 1   | 0560013-1   | SPRING                       |
| 11   | 2   | MS21251B3S  | BARREL                       |

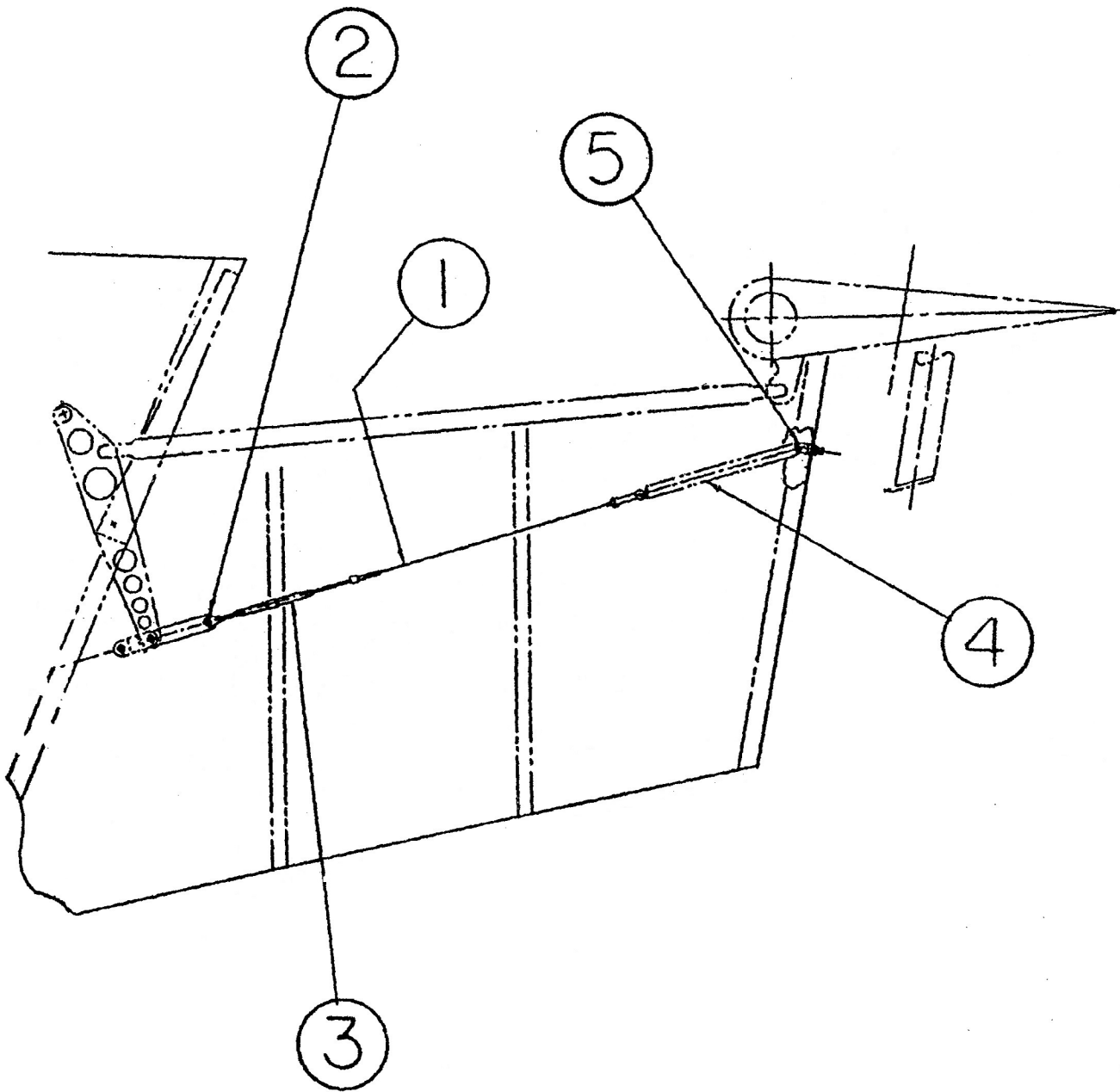
## PULLEY BRACKETS - WATER RUDDER CONTROL



| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 1    | 1   | 8A08000-030   | PULLEY BRACKET-FUSELAGE BEAM                 |
|      | 3   | AN3-13A       | BOLT-ATTACH                                  |
|      | 1   | AN3-20A       | BOLT-ATTACH                                  |
|      | 4   | NAS1149D0316J | WASHER                                       |
|      | 4   | MS21044N3     | NUT                                          |
|      | 3   | 8A08260-001   | BUSHING-SPACER                               |
| 2    | 3   | MS24566-2B    | PULLEY                                       |
|      | 1   | AN3-17A       | BOLT-PULLEY ATTACH                           |
|      | 2   | NAS43HT3-16   | SPACER                                       |
|      | 1   | NAS1149D0316J | WASHER                                       |
|      | 1   | MS21044N3     | NUT                                          |
|      | 2   | MS24665-292   | COTTER PIN                                   |
| 3    | 2   | 8A08608-001   | GUIDE-CABLE - UPPER                          |
|      | 1   | AN3-7A        | BOLT                                         |
|      | 1   | AN393-15      | PIN                                          |
|      | 1   | AN960-10      | WASHER                                       |
|      | 1   | MS24665-132   | COTTER PIN                                   |
|      | 1   | AN393-17      | PIN                                          |
|      | 1   | AN380-2-2     | COTTER PIN                                   |
|      | 1   | AN960PD1OL    | WASHER                                       |
|      | 1   | MS21044N3     | NUT                                          |
|      | 2   | 8A08662-001   | LOWER GUIDE                                  |
|      | 1   | MS20392-2C15  | CLEVIS                                       |
|      | 1   | MS20392-2C17  | CLEVIS                                       |
| 4    | 1   | 8A08000-031   | ASSEMBLY-RETRACT CABLE-FUSELAGE              |
| 5    | 1   | 8A08000-037   | ASSEMBLY-RETRACT CABLE-LEFT FORWARD          |
|      | 1   | 8A08000-038   | ASSEMBLY-RETRACT CABLE-RIGHT FORWARD         |
|      | 2   | 8A08000-039   | ASSEMBLY-RETRACT CABLE-AFT FLOAT             |
|      | 2   | RM613         | TUBING-RETRACT CABLE-PLASTIC (5/16OD X 3/16) |
| 6    | 1   | 8A08000-032   | ASSEMBLY-STEERING CABLE-RIGHT                |
|      | 1   | 8A08000-033   | ASSEMBLY-STEERING CABLE-LEFT                 |
|      | 2   | 8A08000-034   | ASSEMBLY-STEERING CABLE-TAIL                 |
| 7    | 1   | 8A08000-035   | ASSEMBLY-BALANCE CABLE STEERING-LEFT         |
|      | 1   | 8A08000-036   | ASSEMBLY-BALANCE CABLE STEERING-RIGHT        |
| 8    | 1   | 8A08000-040   | PULLEY BRACKET SPREADER BAR                  |
|      | 10  | CR3213-4-4    | RIVET-ATTACH                                 |
| 9    | 4   | MS20219-2     | PULLEY                                       |
|      | 2   | AN4-13A       | BOLT-ATTACH                                  |
|      | 2   | NAS1149D0416J | WASHER                                       |
|      | 2   | MS21044N4     | NUT                                          |
|      | 4   | MS24665-289   | COTTER PIN                                   |

| ITEM | QTY | PART NO.      | PART DESCRIPTION           |
|------|-----|---------------|----------------------------|
| 10   | 1   | 8A08702-036   | PULLEY                     |
|      | 1   | AN3-13A       | BOLT-ATTACH                |
|      | 1   | 8A08517-001   | BUSHING                    |
|      | 1   | NAS43HT4-17   | SPACER                     |
|      | 1   | NAS1149D0316J | WASHER                     |
|      | 1   | MS21044N3     | NUT                        |
|      | 1   | MS24665-289   | COTTER PIN                 |
| 11   | 1   | 8A08000-041   | ASS'Y PULLEY BRACKET-LEFT  |
|      | 1   | 8A08000-042   | ASS'Y PULLEY BRACKET-RIGHT |
|      | 1   | AN3-33A       | BOLT-ATTACH                |
|      | 1   | NAS1149D0316J | WASHER                     |
|      | 1   | MS21044N3     | NUT                        |
| 12   | 3   | MS20219-2     | PULLEY                     |
|      | 1   | AN4-17A       | BOLT-ATTACH                |
|      | 1   | NAS1149D0463J | WASHER                     |
|      | 1   | MS21044N4     | NUT                        |
| 13   | 2   | 3A01151-010   | PULLEY BRACKET             |
|      | 2   | MS20219-2     | PULLEY                     |
| 14   | 2   | AN4-10A       | BOLT-PULLEY ATTACH         |
|      | 2   | MS21044N4     | NUT                        |
|      | 2   | MS24665-134   | COTTER PIN                 |
| 15   | 1   | 8A08194-001   | PULLEY BRACKET-LEFT        |
|      | 1   | 8A08194-002   | PULLEY BRACKET-RIGHT       |
|      | 4   | AN526-1032R8  | SCREW-ATTACH               |
|      | 8   | NAS1149D0316J | WASHER                     |
|      | 4   | MS21044N3     | NUT                        |
| 16   | 2   | MS20219-2     | PULLEY                     |
|      | 2   | AN4-10A       | BOLT-ATTACH                |
|      | 2   | MS21044N4     | NUT                        |
| 17   | 2   | 8A08000-043   | ASSEMBLY-CABLE             |
|      | 2   | MS20392-2611  | PIN-ATTACH                 |
|      | 2   | NAS1149D0363J | WASHER                     |
|      | 2   | MS24665-132   | COTTER PIN                 |

## INSTALLATION ELEVATOR DOWN STOP



| ITEM | QTY | PART NO.      | PART DESCRIPTION             |
|------|-----|---------------|------------------------------|
| 1    | 1   | 8A08000-044   | ASSEMBLY CABLE-ELEVATOR DOWN |
| 2    | 2   | 2624015-2     | LINK-CABLE ATTACH            |
|      | 1   | MS21252-3RS   | FORK-CABLE END               |
|      | 1   | AN3-6A        | BOLT                         |
|      | 1   | NAS1149D0316J | WASHER                       |
|      | 1   | MS21044N3     | NUT                          |
| 3    | 1   | MS21251B3L    | BARREL                       |
| 4    | 1   | 1260016-1     | SPRING                       |
| 5    | 1   | AN43B5A       | EYE BOLT                     |
|      | 1   | NAS1149D0416J | WASHER                       |
|      | 1   | MS21044N4     | NUT                          |

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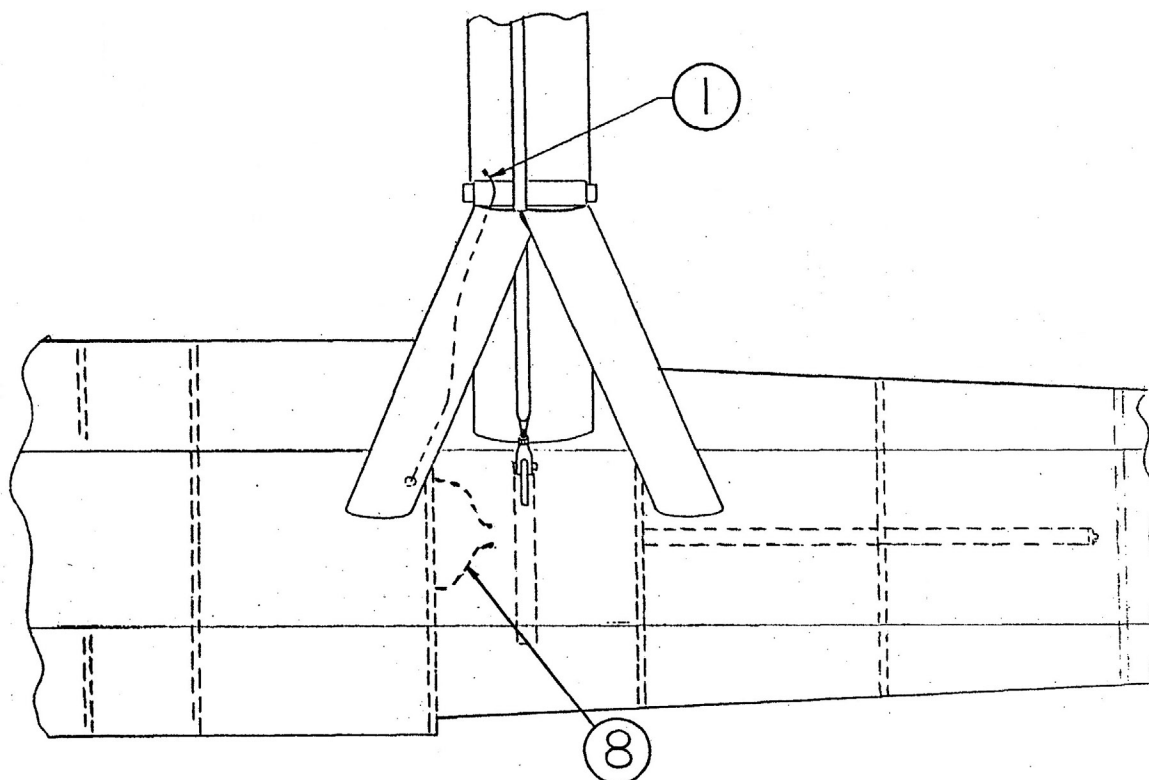
## **SECTION 10**

# **HYDRAULIC SYSTEM**

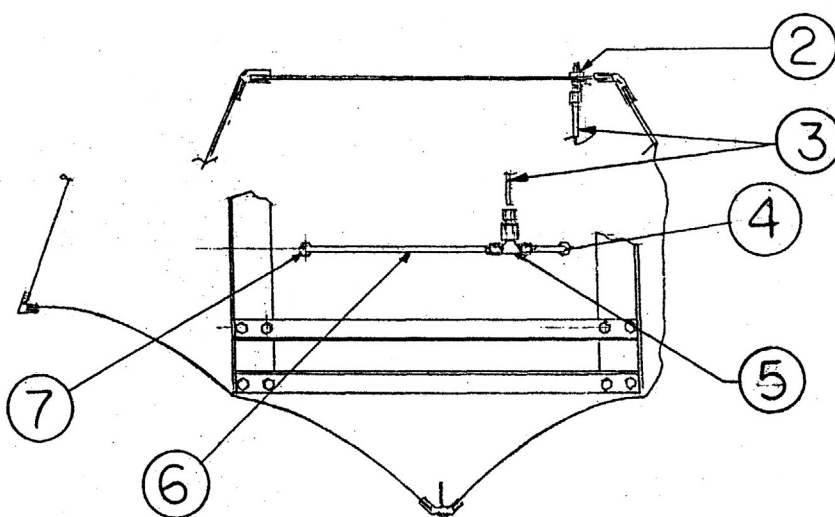
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## BRAKE LINE INSTALLATION



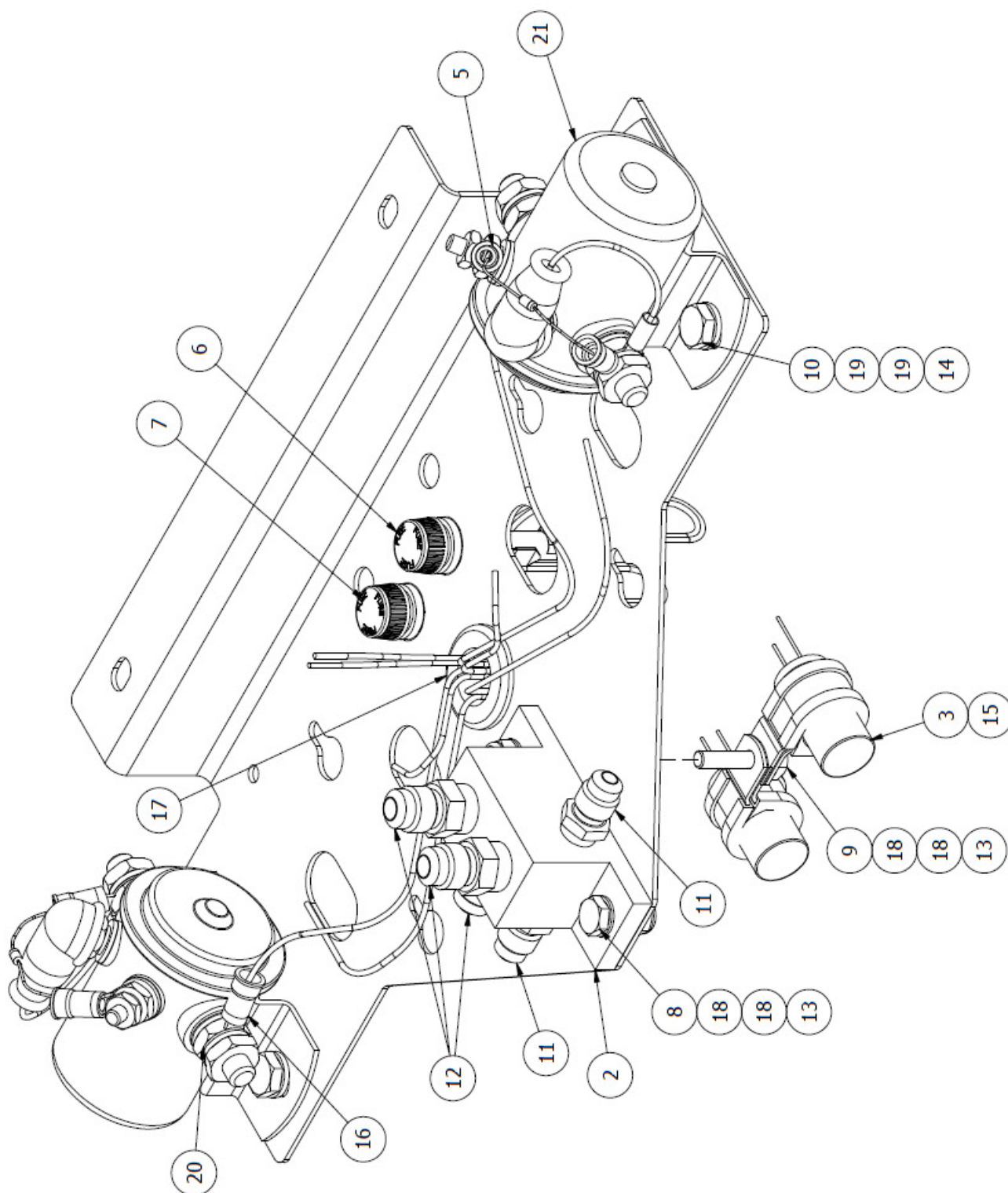
TOP VIEW LEFT FLOAT - STEP AREA



FRONT VIEW STEP BULKHEAD

| ITEM | QTY | PART NO.      | PART DESCRIPTION                      |
|------|-----|---------------|---------------------------------------|
| 1    | 2   | 8A04000-039   | ASS'Y BRAKE LINE-FLOAT DECK TO FUS.   |
| 2    | 1   | AN832-3D      | UNION-BULKHEAD FITTING                |
|      | 2   | NAS1149D0663J | WASHER                                |
|      | 1   | AN924-3D      | NUT                                   |
| 3    | 1   | 8A04000-040   | ASSEMBLY-BRAKE LINE                   |
| 4    | 1   | 8A04000-041   | ASSEMBLY-BRAKE LINE                   |
| 5    | 1   | AN824-4D      | TEE                                   |
|      | 1   | AN894D4-3     | REDUCER                               |
| 6    | 1   | 8A04000-042   | ASSEMBLY-BRAKE LINE                   |
| 7    | 2   | AN833-4D      | BULKHEAD FITTING                      |
|      | 2   | NAS1149D0763J | WASHER                                |
|      | 2   | AN924-4D      | NUT                                   |
| 8    | 2   | 8A04000-043   | ASSEMBLY BRAKE LINE-BULKHEAD TO BRAKE |
| 9    | 2   | 8A09707-001   | REDUCER                               |

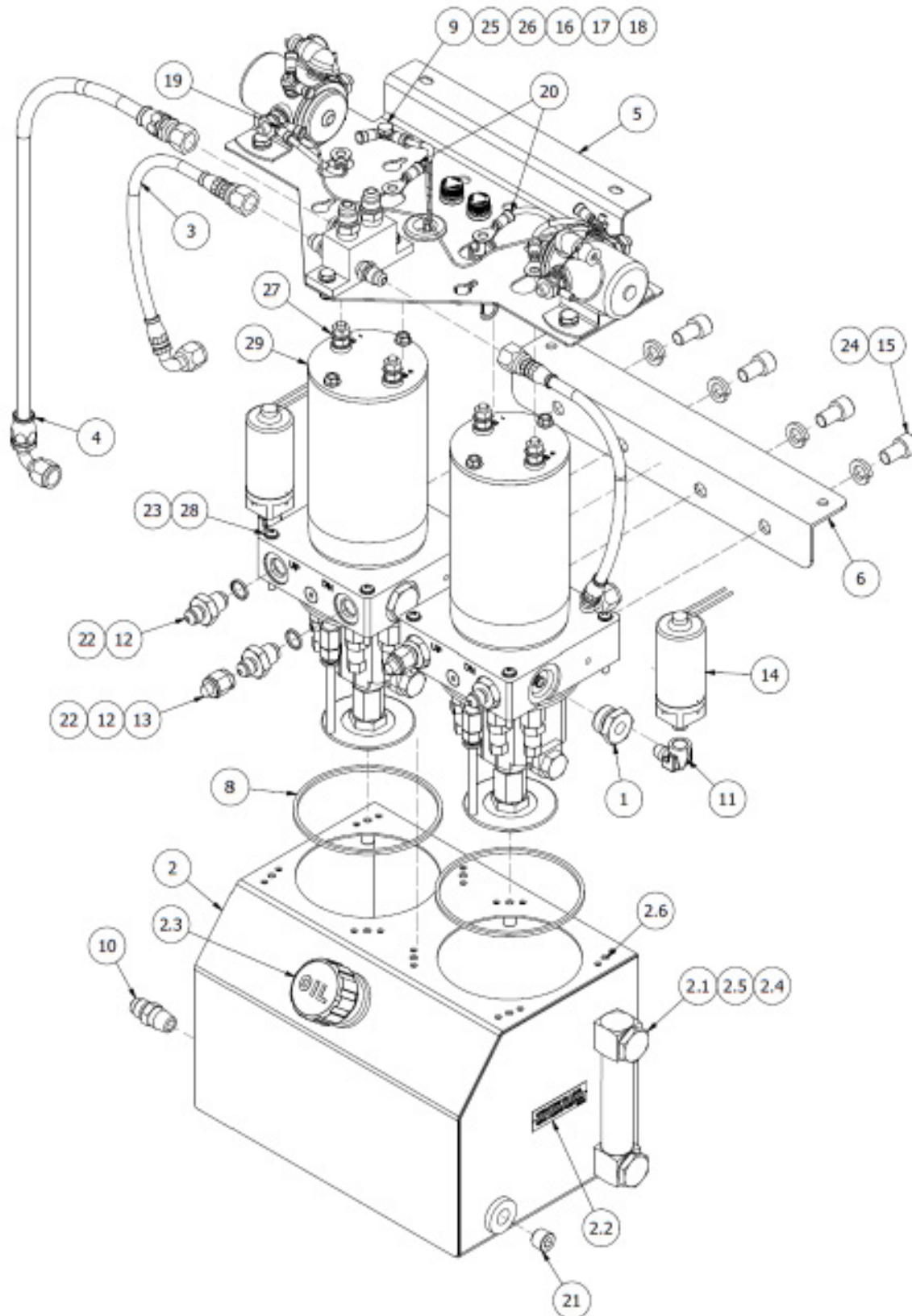
## PUMP MOUNT BRACKET ASSEMBLY POST SERVICE LETTER 216



PARTS MANUAL  
8000 FLOATS ON CESSNA 208

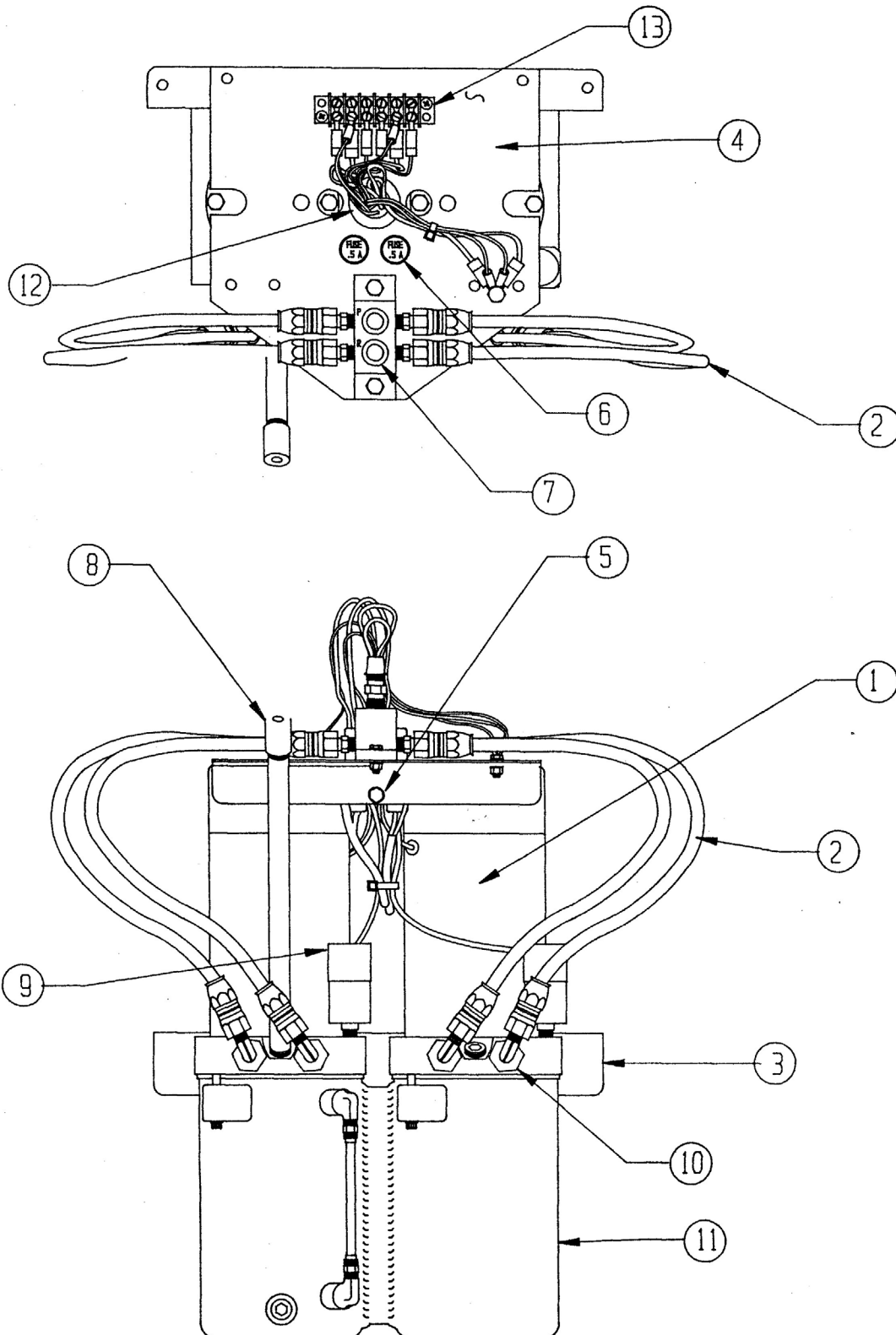
| ITEM | QTY  | PART NO.      | PART DESCRIPTION                            |
|------|------|---------------|---------------------------------------------|
| -    | 1    | 1011402       | ASSEMBLY, BRACKET, PUMP MOUNT               |
| 1    | 1    | 1011401       | UPPER BRACKET, HYDRAULIC PUMP               |
| 2    | 1    | 1011405       | MANIFOLD, HYDRAULIC                         |
| 3    | 2    | 1011798       | ASSEMBLY, CAPACITOR                         |
| 4    | 4 FT | 22759-16-20-9 | WIRE, 20 AWG, WHITE                         |
| 5    | 2    | 3A10000-002   | ASSEMBLY, SOLENOID DIODE                    |
| 6    | 1    | 6A09000-128   | ASSEMBLY, FUSE HOLDER, RIGHT                |
| 7    | 1    | 6A09000-129   | ASSEMBLY, FUSE HOLDER, LEFT                 |
| 8    | 1    | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL    |
| 9    | 1    | AN3-7A        | BOLT, 10-32, 0.5 GRIP, UNDRILLED, STEEL     |
| 10   | 4    | AN4-5A        | BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL |
| 11   | 2    | AN816-4D      | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 12   | 3    | AN816-5-4D    | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 13   | 2    | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 14   | 4    | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 15   | 2    | MS21919WDG10  | CLAMP, LOOP, CUSHIONED, 5/8 TUBE OD         |
| 16   | 2    | MS25036-104   | RING TERMINAL, 5/16 STUD, 22-16 AWG, RED    |
| 17   | 1    | MS35489-17    | GROMMET, RUBBER                             |
| 18   | 4    | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL          |
| 19   | 8    | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |
| 20   | 4    | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL          |
| 21   | 2    | P52-0035-1    | SOLENOID, 24V                               |

## HYDRAULIC PUMP INSTALLATION POST SERVICE LETTER 216



| ITEM | QTY        | PART NO.                         | PART DESCRIPTION                            |
|------|------------|----------------------------------|---------------------------------------------|
| -    | 1          | 1011404                          | ASSEMBLY, HYDRAULIC POWER PACK              |
| 1    | 2          | 1011062                          | ASSEMBLY, PLUG, PRESSURE SWITCH PORT        |
| 2    | 1          | 1011359                          | ASSEMBLY, HYDRAULIC PUMP RESERVOIR          |
| 2.1  | 1          | 1192K17                          | LIQUID LEVEL INDICATOR, 4"                  |
| 2.2  | 1          | 6A3-2199                         | PLACARD, OIL LEVEL                          |
| 2.3  | 1          | 8631T24                          | BREATHER VENT                               |
| 2.4  | 2          | MS21044N8                        | NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF    |
| 2.5  | 2          | NAS1149D0832J                    | WASHER, 0.515 ID, 0.032 THK, ALUMINUM       |
| 2.6  | 8          | NAS1473A08                       | NUT PLATE, SEALED                           |
| 3    | 2          | 1011361-01                       | HYDRAULIC HOSE ASSEMBLY, MANIFOLD TO PUMP   |
| 4    | 1          | 1011361-05                       | HOSE, MANIFOLD TO RESERVOIR                 |
| 5    | 1          | 1011402                          | ASSEMBLY, BRACKET, PUMP MOUNT               |
| 6    | 1          | 1011403                          | ANGLE, PUMP MOUNT, LOWER                    |
| 7    | 16<br>INCH | 22759-16-12-9                    | WIRE, 12AWG, WHITE                          |
| 8    | 2          | 4061T199                         | SQUARE PROFILE, O-RING, 3.5" I.D., .094 THK |
| 9    | 2          | AN3-4A                           | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL   |
| 10   | 1          | AN816-5-4D                       | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 11   | 2          | AN914-1D                         | ELBOW, 90°, INTERNAL EXTERNAL PIPE          |
| 12   | 4          | AN919-3D                         | FITTING, REDUCER                            |
| 13   | 2          | AN929-4                          | CAP                                         |
| 14   | 2          | GPP1250-40                       | PRESSURE SWITCH                             |
| 15   | 4          | MS16997-96                       | SOCKET HEAD CAP SCREW                       |
| 16   | 2          | MS21044N3                        | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 17   | 4          | MS25036-103                      | RING TERMINAL, #10 STUD, 22-16 AWG, RED     |
| 18   | 2          | MS25036-112                      | RING TERMINAL, #10 STUD, 10-12 AWG, YELLOW  |
| 19   | 2          | MS25036-113                      | RING TERMINAL, 5/16 STUD, 10-12 AWG, YELLOW |
| 20   | 4          | MS25036-157                      | RING TERMINAL, #10 STUD, 10-12 AWG, YELLOW  |
| 21   | 1          | MS27769D3                        | PLUG, PIPE, COUNTERSINK HEX HEAD            |
| 22   | 4          | MS28775-013                      | "O" RING, HYDRAULIC                         |
| 23   | 8          | MS35206-252                      | SCREW, MACHINE, PAN HEAD                    |
| 24   | 4          | MS35338-46                       | WASHER, SPLIT                               |
| 25   | 2          | NAS1149F0332P                    | WASHER, 0.203 ID, 0.032 THK, STEEL          |
| 26   | 2          | NAS1149F0363P                    | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 27   | 4          | NAS1149F0432P                    | WASHER, 0.265 ID, 0.032 THK, STEEL          |
| 28   | 8          | NAS1149FN832P                    | WASHER, 0.174 ID, 0.032 THK, STEEL          |
| 29   | 2          | YBZS-<br>D0.63W2T100K/<br>UVZOT2 | HYDRAULIC POWER PACK, 24VDC, .64 PUMP       |

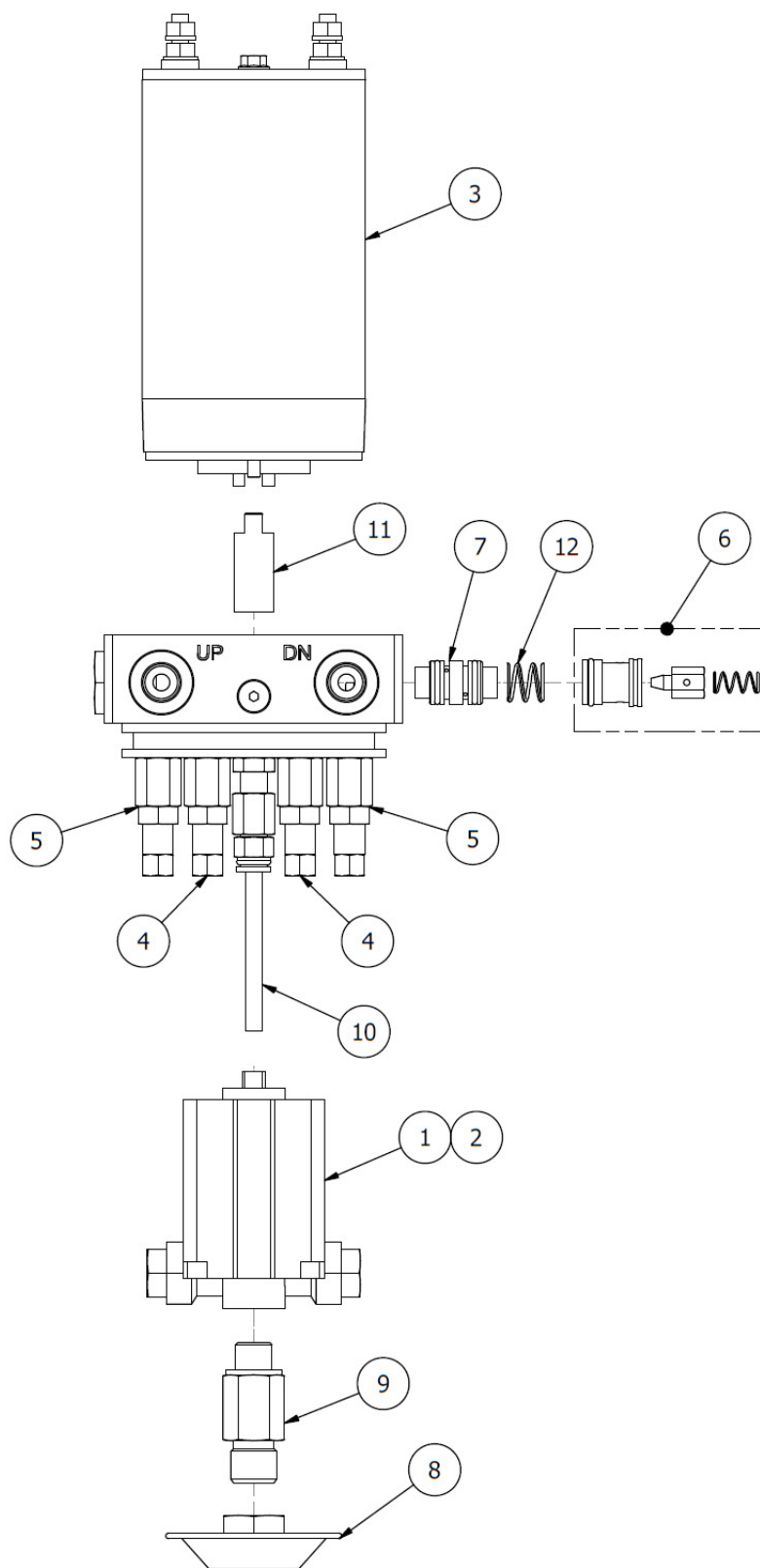
## HYDRAULIC PUMP INSTALLATION PRE SERVICE LETTER 216



PARTS MANUAL  
8000 FLOATS ON CESSNA 208

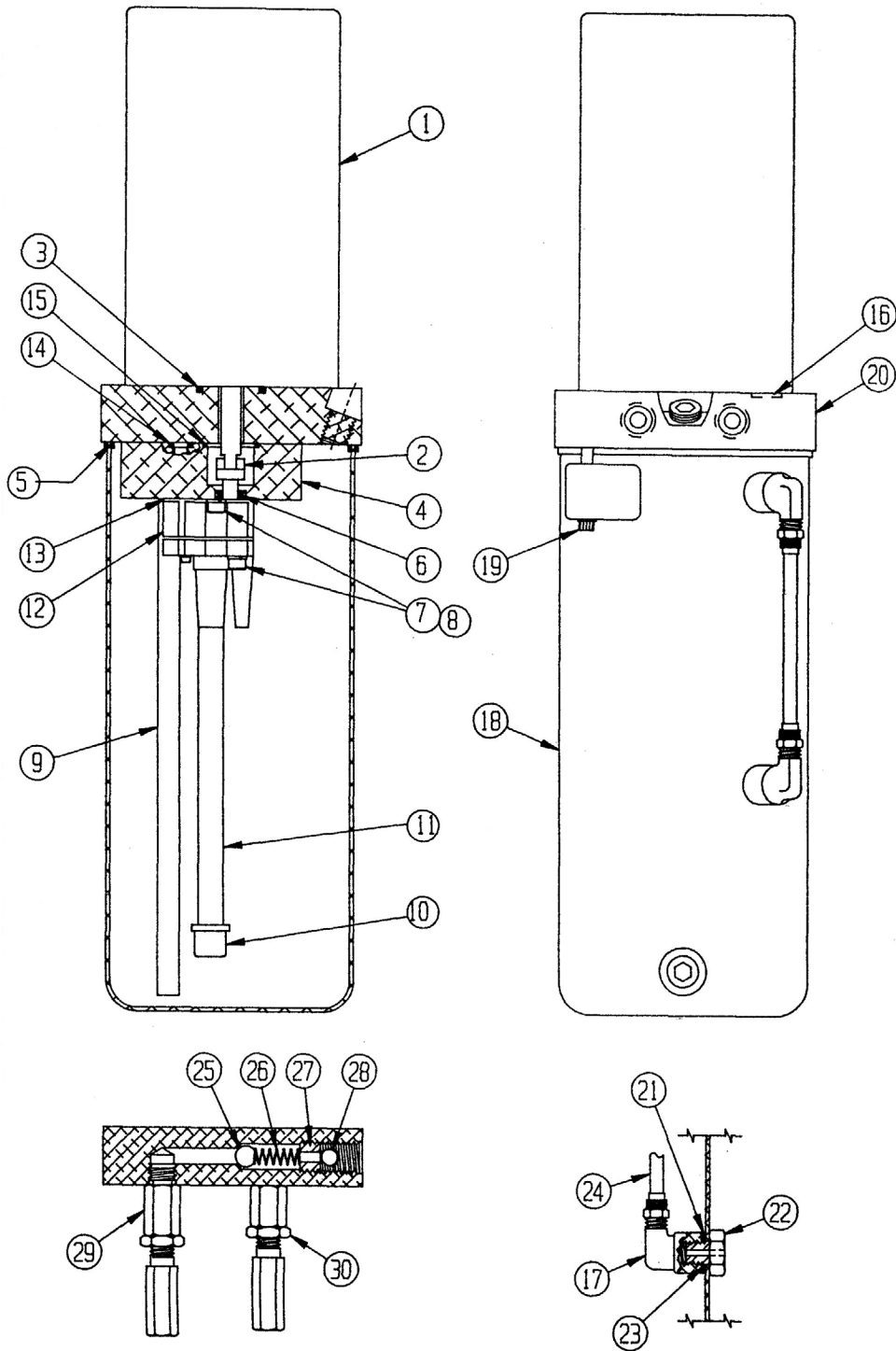
| ITEM | QTY | PART NO.      | PART DESCRIPTION                        |
|------|-----|---------------|-----------------------------------------|
| 1    | 1   | 8A09000-031   | ASSEMBLY, HYDRAULIC PUMP                |
|      | 1   | 636603A       | ASSEMBLY, PUMP, WITH MOTOR (SEE DETAIL) |
| 2    | 4   | 8A09000-048   | ASSEMBLY HOSE (12")                     |
| 3    | 1   | 6A09348-003   | ANGLE-PUMP MOUNT                        |
|      | 4   | MS16997-96    | CAP SCREW                               |
|      | 4   | 3/8 I.D.      | WASHER-LOCK                             |
| 4    | 1   | 6A09000-030   | ASSEMBLY BRACKET PUMP MOUNT             |
| 5    | 1   | AN3-36A       | BOLT                                    |
|      | 1   | NAS1149F0363P | WASHER                                  |
| 6    | 1   | 6A09000-128   | FUSEHOLDER                              |
|      | 1   | 6A09000-129   | FUSEHOLDER                              |
|      | 2   | AGS1          | FUSE ½ AMP                              |
| 7    | 1   | 6A09000-027   | ASSEMBLY MANIFOLD                       |
|      | 1   | 6A09207-001   | MANIFOLD                                |
|      | 4   | AN816-4D      | FITTING                                 |
|      | 2   | AN816-5D      | FITTING                                 |
| 8    | 1   | 6A09398-001   | TUBE BREATHER-FILLER                    |
|      | 1   | 6A09706-001   | FILTER BREATHER                         |
| 9    | 2   | GPP1250-40    | SWITCH PRESSURE                         |
| 10   | 4   | AN833-4D      | ELBOW                                   |
|      | 4   | AN924-4D      | NUT                                     |
|      | 4   | MS28775-012   | "O" RING                                |
| 11   | 1   | 6A09000-115   | ASSEMBLY RESERVOIR                      |
| 12   | 1   | MS35489-17    | GROMMET                                 |
| 13   | 1   | 6-140         | TERMINAL BLOCK                          |

## HYDRAULIC PUMP OVERVIEW POST SERVICE LETTER 216



| ITEM | QTY | PART NO. | PART DESCRIPTION                                                                                                     |
|------|-----|----------|----------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | 202-0003 | BI-DIRECTIONAL PUMP, 0.64 ML/R                                                                                       |
| 2    | 1   | 299-0008 | SEAL KIT, BI-DIRECTIONAL GEAR PUMP                                                                                   |
| 3    | 1   | 610-0017 | DC MOTOR, 24V, .8 KW                                                                                                 |
| 4    | 2   | 631-0005 | PRESSURE RELIEF VALVE                                                                                                |
| 5    | 2   | 631-0006 | THERMAL RELIEF VALVE                                                                                                 |
| 6    | 2   | 632-0004 | ASSEMBLY, PILOT OPERATED CHECK VALVE                                                                                 |
| 7    | 1   | 637-0024 | SHUTTLE VALVE                                                                                                        |
| 8    | 1   | 682-0019 | FILTER, PICKUP TUBE, HYDRAULIC PUMP                                                                                  |
| 9    | 1   | 682-0055 | SUCTION HEX TUBE                                                                                                     |
| 10   | 1   | 682-0056 | RETURN TUBE                                                                                                          |
| 11   | 1   | 683-0011 | COUPLING, MOTOR TO PUMP                                                                                              |
| 12   | 2   | 685-0012 | SPRING, SHUTTLE VALVE                                                                                                |
| 13   | 1   | 687-0001 | SEAL KIT, RESERVIOR O-RING, PILOT OPERATED RELIEF VALVE O-RING, THERMAL AND PRESSURE RELIEF VALVE O-RING (NOT SHOWN) |

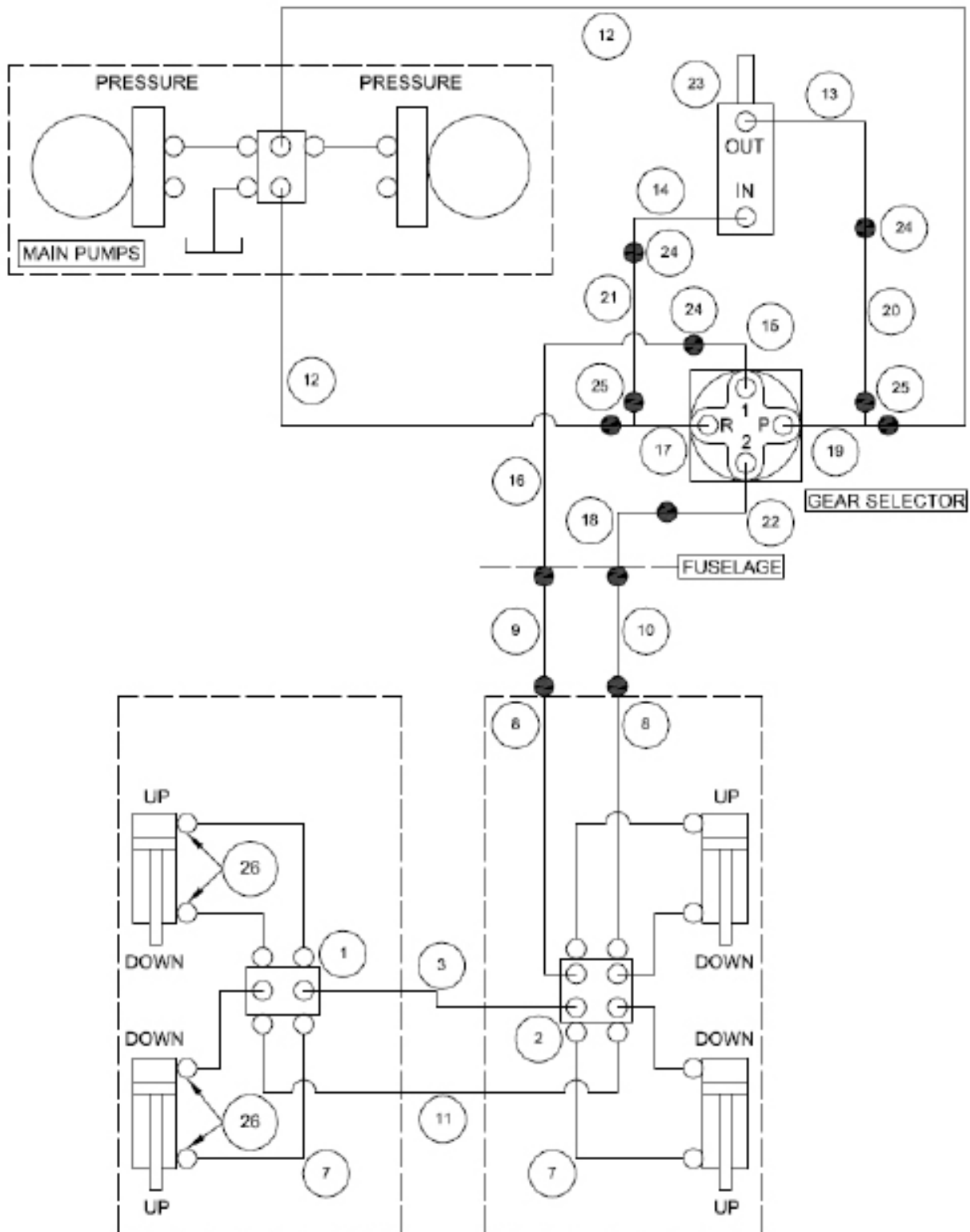
## HYDRAULIC PUMP OVERVIEW PRE SERVICE LETTER 216



| ITEM | QTY | PART NO.       | PART DESCRIPTION               |
|------|-----|----------------|--------------------------------|
| -    | 1   | 636603A        | ASSEMBLY-MOTOR AND PUMP (24V)  |
| 1    | 1   | MB56N1         | MOTOR (24V)                    |
|      | 1   | MB56C902-3 KIT | BRUSH AND BEARING SERVICE KIT  |
|      | 1   | MB56C902-3     | BRUSHES ONLY                   |
|      | 1   | ST102-6        | BEARINGS ONLY                  |
| 2    | 1   | 361730         | COUPLING                       |
| 3    | 1   | 409406         | "O" RING                       |
| 4    | 1   | 361726         | SPACER                         |
| 5    | 1   | 410958*        | SEAL RESERVOIR                 |
| 6    | 1   | 410512*        | OIL SEAL                       |
| 7    | 4   | 410410*        | LOCK WASHER                    |
| 8    | 4   | 406187*        | SCREW                          |
| 9    | 1   | 409894         | PIPE NIPPLE                    |
| 10   | 1   | 410521*        | FILTER                         |
| 11   | 1   | 361843         | TUBE EXTENSION                 |
| 12   | 1   | 633383         | PUMP ASSEMBLY                  |
| 13   | 2   | MS28775-009    | "O" RING                       |
| 14   | 2   | 401273*        | "O" RING                       |
| 15   | 1   | MS28775-020    | "O" RING                       |
| 16   | 2   | 361615         | WASHER, PILOT ¼ DIA            |
| 17   | 2   | 410330         | ELBOW                          |
| 18   | 1   | 6A09000-115    | ASSEMBLY RESERVOIR             |
| 19   | 2   | 406187*        | SCREW                          |
|      | 2   | 409357*        | WASHER                         |
| 20   | 1   | 361473         | ADAPTOR                        |
| 21   | 1   | 361049         | "O" RING                       |
| 22   | 2   | 360824         | SCREW SIGHT GAUGE              |
| 23   | 2   | MS28775-110    | "O" RING                       |
| 24   | 1   | 361507         | TUBE SIGHT GAUGE               |
| 25   | 1   | 490405*        | STEEL BALL                     |
| 26   | 1   | 410462*        | SPRING                         |
| 27   | 1   | 409211*        | LOCK SCREW                     |
| 28   | 1   | 409263         | PIPE PLUG                      |
| 29   | 1   | 704520*        | ASSEMBLY VALVE PRESSURE RELIEF |
| 30   | 1   | 704522*        | ASSEMBLY VALVE THERMAL RELIEF  |

\* Reference Wipaire drawing 1011032 for alternate part numbers.

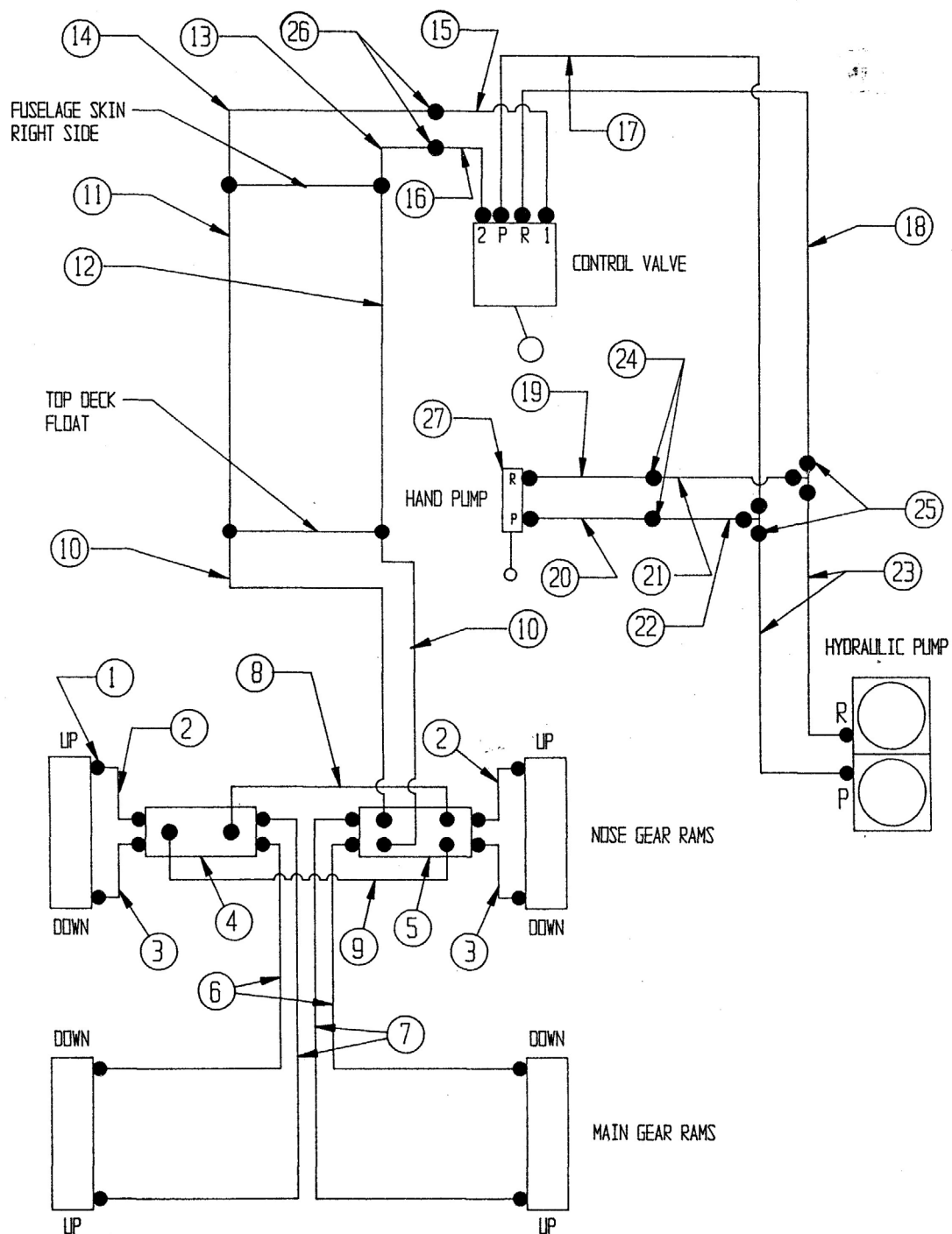
## HYDRAULIC SCHEMATIC POST SERVICE LETTER 216



| ITEM | QTY | PART NO.    | PART DESCRIPTION                                       |
|------|-----|-------------|--------------------------------------------------------|
| 1    | 1   | 6A09000-027 | ASSEMBLY, MANIFOLD                                     |
|      | 2   | AN816-4D    | FITTING, FLARED TUBE AND PIPE THREAD                   |
|      | 2   | AN816-5-4D  | FITTING, FLARED TUBE AND PIPE THREAD                   |
|      | 1   | 6A09207-001 | MANIFOLD                                               |
|      | 1   | 8A01003-078 | BRACKET, HYDRAULIC MANIFOLD                            |
| 2    | 1   | 6A09000-028 | ASSEMBLY, MANIFOLD                                     |
|      | 4   | AN816-4D    | FITTING, FLARED TUBE AND PIPE THREAD                   |
|      | 4   | AN816-5-4D  | FITTING, FLARED TUBE AND PIPE THREAD                   |
|      | 1   | 6A09046-001 | MANIFOLD                                               |
|      | 1   | 8A01003-078 | BRACKET, HYDRAULIC MANIFOLD                            |
| 3    | 1   | 8A09000-037 | ASSEMBLY, HOSE, LEFT MANIFOLD TO RIGHT MANIFOLD        |
| 4    | 2   | 8A09000-039 | ASSEMBLY, HOSE, MANIFOLD TO MAIN GEAR UP               |
| 5    | 2   | 8A09000-040 | ASSEMBLY, HOSE, MANIFOLD TO MAIN GEAR DOWN             |
| 6    | 2   | 8A09000-041 | ASSEMBLY HOSE, MANIFOLD TO NOSE GEAR DOWN              |
| 7    | 2   | 8A09000-042 | ASSEMBLY, HOSE, MANIFOLD TO NOSE GEAR UP               |
| 8    | 2   | 8A09000-043 | ASSEMBLY, HOSE, MANIFOLD TO FLOAT DECK                 |
| 9    | 1   | 8A09000-049 | ASSEMBLY, HOSE, FLOAT DECK TO FUSELAGE                 |
| 10   | 1   | 8A09000-050 | ASSEMBLY, HOSE, FLOAT DECK TO FUSELAGE                 |
| 11   | 1   | 8A09000-073 | ASSEMBLY, HOSE, LEFT MANIFOLD TO RIGHT MANIFOLD        |
| 12   | 2   | 8A09000-103 | ASSEMBLY, HOSE, HYDRAULIC PUMP MANIFOLD TO TEE FITTING |
| 13   | 1   | 8A09000-104 | ASSEMBLY, HOSE, HAND PUMP TO UNION                     |
| 14   | 1   | 8A09000-105 | ASSEMBLY, HOSE, HAND PUMP TO UNION                     |
| 15   | 1   | 8A12000-001 | ASSEMBLY, HOSE, GEAR CONTROL TO UNION                  |
| 16   | 1   | 8A12000-003 | ASSEMBLY, HOSE, UNION TO FUSELAGE FITTING              |
| 17   | 1   | 8A12000-006 | ASSEMBLY, HOSE, GEAR CONTROL TO TEE FITTING            |
| 18   | 1   | 8A12000-007 | ASSEMBLY, HOSE, UNION TO FUSELAGE FITTING              |
| 19   | 1   | 8A12000-008 | ASSEMBLY, HOSE, GEAR CONTROL TO TEE FITTING            |
| 20   | 1   | 8A12000-009 | ASSEMBLY, HOSE, UNION TO TEE FITTING                   |
| 21   | 1   | 8A12000-010 | ASSEMBLY, HOSE, UNION TO TEE FITTING                   |
| 22   | 1   | 8A12000-011 | ASSEMBLY, HOSE, GEAR CONTROL TO UNION                  |
| 23   | 1   | 914-8D-27   | EMERGENCY HAND PUMP                                    |
|      | 1   | 1002838     | HANDLE, HAND PUMP                                      |
|      | 1   | 8A09003-053 | BRACKET, MOUNT, LEFT                                   |
|      | 1   | 8A09003-054 | BRACKET, MOUNT, RIGHT                                  |
|      | 1   | 8A09005-210 | COVER, HAND PUMP                                       |
|      | 1   | AN919-7D    | REDUCER FITTING (PRESSURE)                             |
|      | 1   | AN919-11D   | REDUCER FITTING (RETURN)                               |
|      | 1   | MS28775-013 | O-RING                                                 |
|      | 1   | MS28775-016 | O-RING                                                 |
| 24   | 4   | AN815-5D    | UNION, FLARED TUBE                                     |

| ITEM | QTY | PART NO.   | PART DESCRIPTION                                         |
|------|-----|------------|----------------------------------------------------------|
| 25   | 2   | AN824-5D   | FITTING, TEE                                             |
| 26   | 8   | MS20822-4D | FITTING, 90 DEGREE ELBOW, FLARED TUBE AND PIPE<br>THREAD |

## HYDRAULIC SCHEMATIC PRE SERVICE LETTER 216



| ITEM | QTY | PART NO.    | PART DESCRIPTION           |
|------|-----|-------------|----------------------------|
| 1    | 8   | MS20822-4D  | FITTING-ELBOW              |
| 2    | 2   | 8A09000-042 | ASSEMBLY-HOSE              |
| 3    | 2   | 8A09000-041 | ASSEMBLY-HOSE              |
| 4    | 1   | 6A09000-027 | ASSEMBLY-MANIFOLD          |
|      | 2   | AN816-4D    | FITTINGS                   |
|      | 1   | AN816-5-4D  | FITTING                    |
|      | 1   | 8A01003-078 | BRACKET                    |
| 5    | 1   | 6A09000-028 | ASSEMBLY-MANIFOLD          |
|      | 2   | AN816-4D    | FITTINGS                   |
|      | 1   | AN816-5-4D  | FITTING                    |
|      | 1   | 8A01003-078 | BRACKET                    |
| 6    | 2   | 8A09000-040 | ASSEMBLY-HOSE (118")       |
| 7    | 2   | 8A09000-039 | ASSEMBLY-HOSE (155")       |
| 8    | 1   | 8A09000-037 | ASSEMBLY-HOSE (127")       |
| 9    | 1   | 8A09000-073 | ASSEMBLY-HOSE (129")       |
| 10   | 2   | 8A09000-043 | ASSEMBLY-HOSE              |
| 11   | 1   | 8A09000-049 | ASSEMBLY-HOSE              |
| 12   | 1   | 8A09000-050 | ASSEMBLY-HOSE              |
| 13   | 1   | 8A12000-007 | ASSEMBLY-LINE              |
| 14   | 1   | 8A12000-003 | ASSEMBLY-LINE              |
| 15   | 1   | 8A12000-001 | ASSEMBLY-LINE              |
| 16   | 1   | 8A12000-011 | ASSEMBLY-LINE              |
| 17   | 1   | 8A12000-008 | ASSEMBLY-LINE              |
| 18   | 1   | 8A12000-006 | ASSEMBLY-LINE              |
| 19   | 1   | 8A09000-105 | ASSEMBLY-HOSE              |
| 20   | 1   | 8A09000-104 | ASSEMBLY-HOSE              |
| 21   | 1   | 8A12000-009 | ASSEMBLY-LINE              |
| 22   | 1   | 8A12000-010 | ASSEMBLY-LINE              |
| 23   | 2   | 8A09000-103 | ASSEMBLY-HOSE              |
| 24   | 2   | AN815-5D    | UNION-FITTING              |
| 25   | 2   | AN824-5D    | TEE-FITTING                |
| 26   | 2   | AN815-5D    | UNION-FITTING              |
| 27   | 1   | 914-8D-27   | HAND PUMP                  |
|      | 1   | AN919-11D   | REDUCER-FITTING (RETURN)   |
|      | 1   | MS28775-016 | "O" RING                   |
|      | 1   | AN919-7D    | REDUCER-FITTING (PRESSURE) |
|      | 1   | MS28775-013 | "O" RING                   |
|      | 1   | 8A09003-054 | BRACKET MOUNT (RIGHT)      |
|      | 1   | 8A09003-053 | BRACKET MOUNT (LEFT)       |
|      | 1   | 8A09005-210 | COVER HAND PUMP            |
|      | 1   | 1002838     | HANDLE                     |

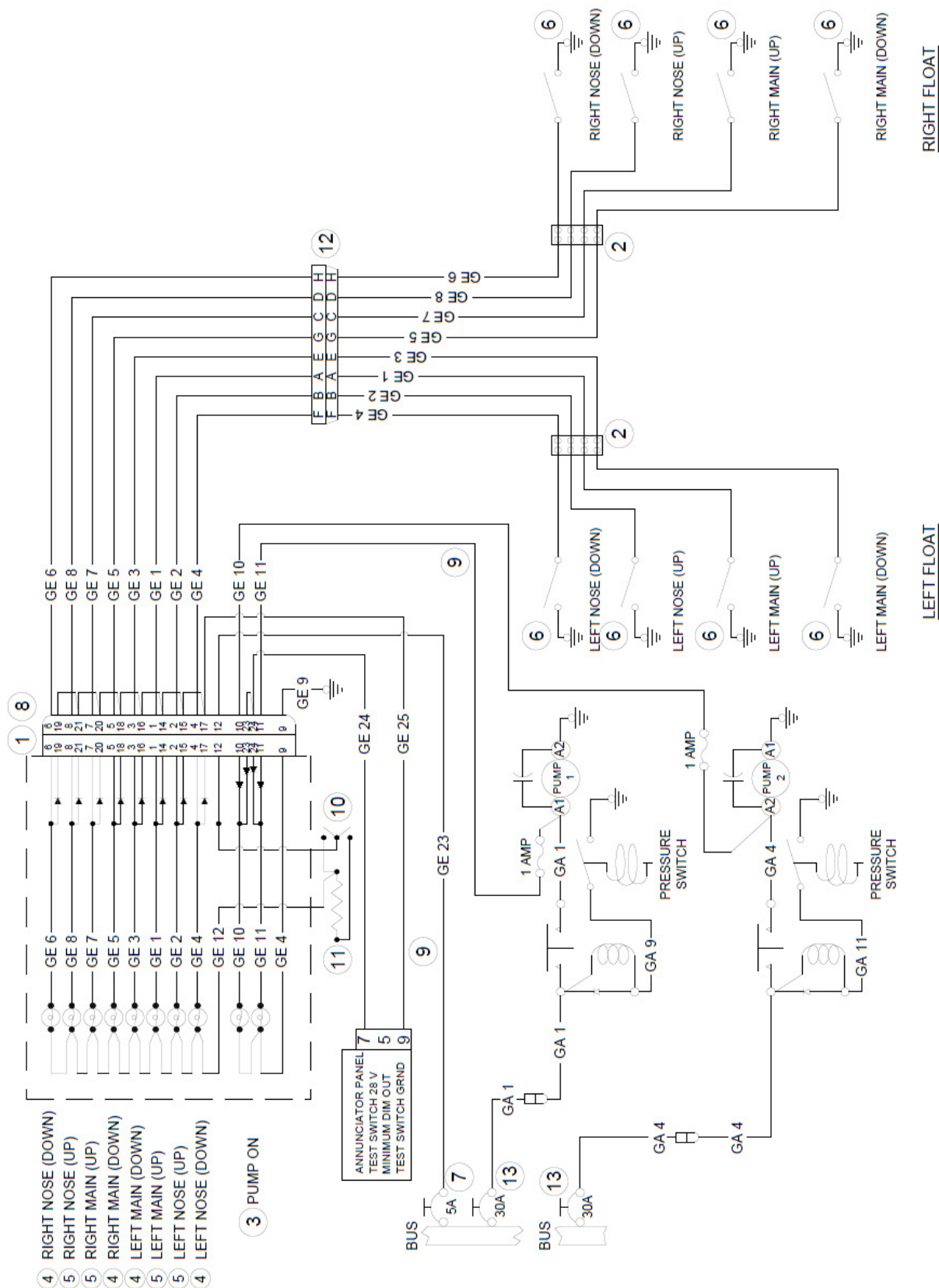
## **SECTION 11**

# **ELECTRICAL**

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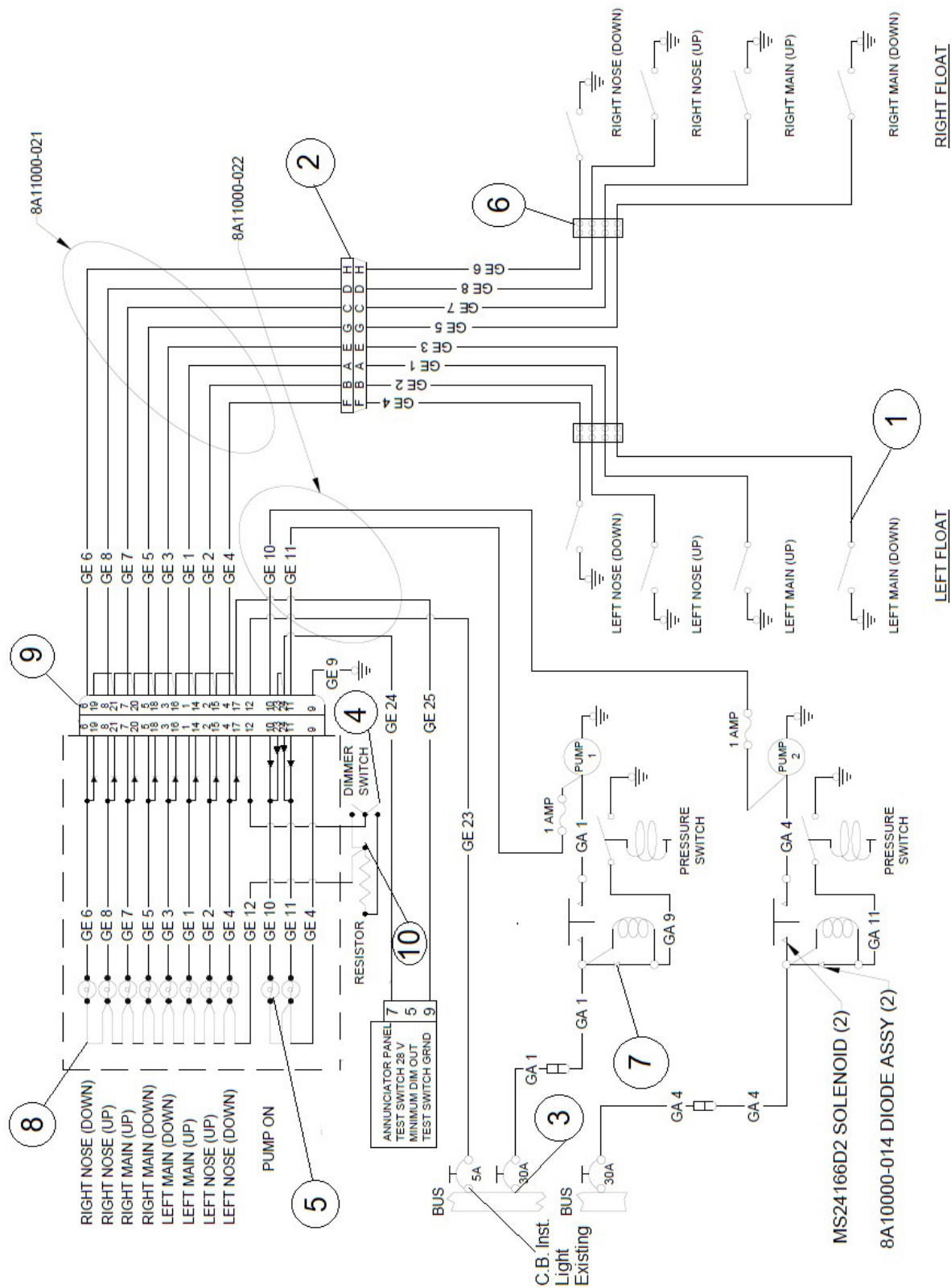
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# ELECTRICAL SCHEMATIC AMPHIBIAN POST SERVICE LETTER 216



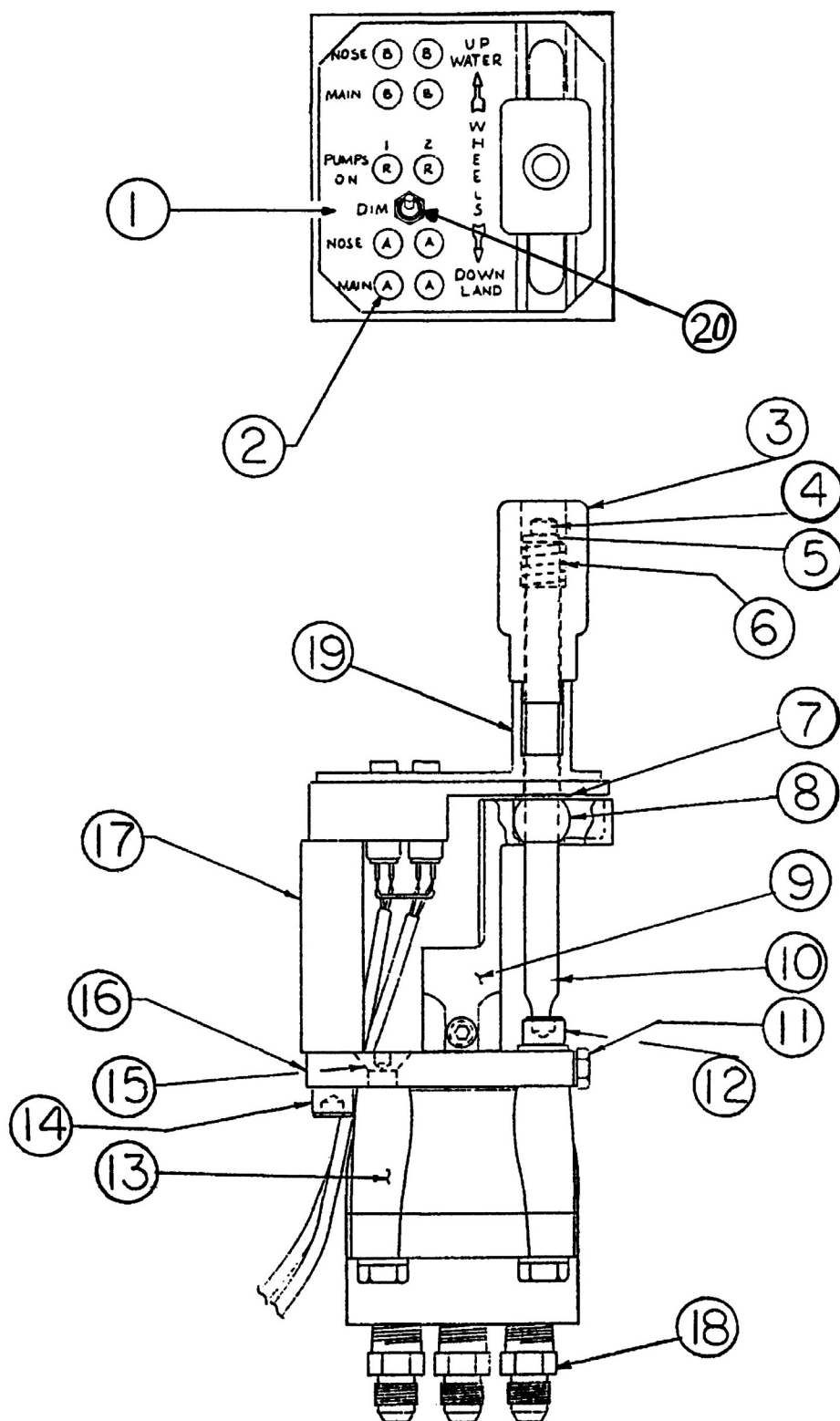
| ITEM | QTY | PART NO.           | PART DESCRIPTION           |
|------|-----|--------------------|----------------------------|
| 1    | 1   | 4A 11000-003       | WIRE HARNESS               |
| 2    | 2   | 4-140              | TERMINAL BLOCK, 4 POSITION |
| 3    | 2   | 507-3918-1431-600F | LAMP, RED, 24V             |
| 4    | 4   | 507-3918-1433-600F | LAMP, AMBER, 24V           |
| 5    | 4   | 507-3918-1434-600F | LAMP, BLUE, 24V            |
| 6    | 8   | 5801               | PROXIMITY SWITCH           |
| 7    | 1   | 7277-2-5           | CIRCUIT BREAKER, 5 AMP     |
| 8    | 1   | 8A11000-021        | WIRE HARNESS               |
| 9    | 1   | BA 11000-022       | WIRE HARNESS               |
| 10   | 1   | A101SYCB           | SWITCH, DIMMER             |
| 11   | 1   | RH-5-180           | RESISTOR                   |
| 12   | 2   | MS3476W12-10P      | PLUG                       |
|      | 1   | MS3417-12C         | CLAMP                      |
|      | 8   | M39029/4-110       | PIN, MALE                  |
|      | 8   | M39029/5-115       | PIN, FEMALE                |
| 13   | 2   | S1232-530          | CIRCUIT BREAKER, 30 AMP    |

# ELECTRICAL SCHEMATIC AMPHIBIAN PRE SERVICE LETTER 216



| ITEM | QTY | PART NO.           | PART DESCRIPTION  |
|------|-----|--------------------|-------------------|
| 1    | 8   | 5801               | PROXIMITY SWITCH  |
| 2    | 2   | MS3476W12-10P      | PLUG              |
|      | 8   | M39029/5-115       | PIN – FEMALE      |
|      | 8   | M39029/4-110       | PIN – MALE        |
|      | 1   | MS3417-12C         | CLAMP             |
| 3    | 2   | S1232-530          | CIRCUIT BREAKER   |
| 4    | 1   | A101SYCB           | SWITCH DIMMER     |
| 5    | 4   | 507-3918-1434-600F | LAMP-BLUE (24V)   |
|      | 4   | 507-3918-1433-600F | LAMP-AMBER (24V)  |
|      | 2   | 507-3918-1431-600F | LAMP-RED (24V)    |
| 6    | 2   | 4-140              | TERMINAL BLOCK    |
| 7    | 2   | 3A10000-002        | ASSEMBLY DIODE    |
| 8    | 1   | 4A11000-003        | PLUG GEAR WARNING |
| 9    | 1   | 205208-1           | PLUG              |
|      | 1   | DB-24659           | PLUG BODY         |
|      | 12  | 1N4004             | DIODE             |
|      | 21  | 1-66506-0          | MALE PIN          |
| 10   | 1   | RH-5-180           | RESISTOR          |

## GEAR CONTROL ASSEMBLY



PARTS MANUAL  
8000 FLOATS ON CESSNA 208

| ITEM | QTY | PART NO.           | PART DESCRIPTION                |
|------|-----|--------------------|---------------------------------|
| 1    | 1   | 5A3-694            | PLACARD                         |
| 2    | 2   | 507-3918-1431-600F | LIGHT-RED                       |
|      | 4   | 507-3918-1434-600F | LIGHT-BLUE                      |
|      | 4   | 507-3918-1433-600F | LIGHT-AMBER                     |
|      | 10  | 515-0012           | SOCKET                          |
|      | 3   | AN526-832R8        | SCREW                           |
| 3    | 1   | 6A11603-002        | KNOB                            |
| 4    | 1   | MS16996-10         | SCREW                           |
| 5    | 1   | 6A11274-002        | WASHER                          |
| 6    | 1   | 6A09713-001        | SPRING                          |
| 7    | 2   | NAS1149D0616J      | WASHER                          |
| 8    | 1   | 6A11704-001        | ROLLER                          |
| 9    | 1   | 6A11032-002        | LINK                            |
| 10   | 1   | 6A11506-001        | SHAFT                           |
| 11   | 1   | NAS6203-7          | BOLT                            |
| 12   | 2   | MS16997-80         | CAP SCREW                       |
| 13   | 1   | 6A09000-080        | VALVE                           |
|      | 1   | KD70119            | SEAL KIT                        |
| 14   | 2   | MS16997-88         | CAP SCREW                       |
| 15   | 2   | MS24667-40         | SCREW FLAT HEAD SOCKET          |
| 16   | 1   | 6A11190-001        | FITTING                         |
| 17   | 2   | 6A11278-001        | SPACER                          |
| 18   | 4   | AN816-5-4D         | NIPPLE                          |
| 19   | 1   | 8A11199-006        | BLOCK-HOUSING                   |
| 20   | 1   | A101SYCB           | DIMMER SWITCH                   |
| 21   | 1   | 8A09000-102        | COMPLETE ASSEMBLY CONTROL VALVE |

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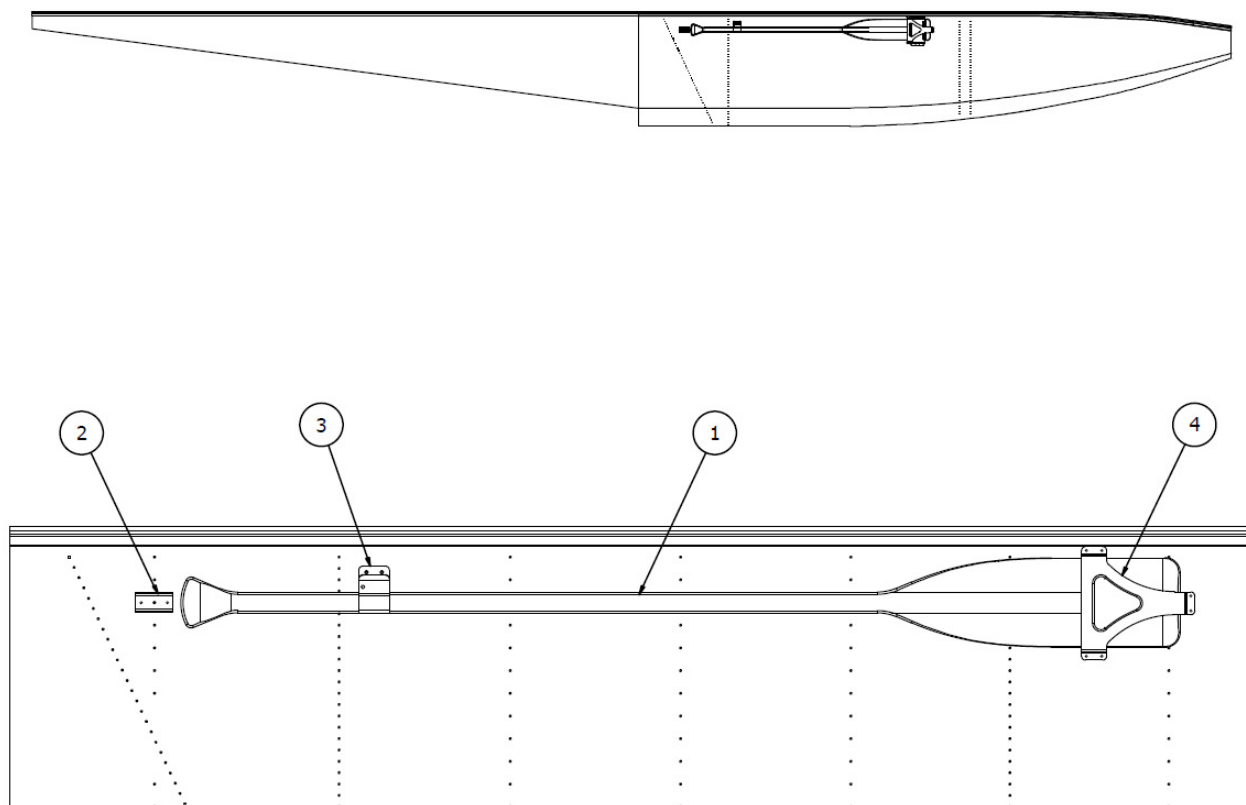
## **SECTION 12**

# **CANOE PADDLE**

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## CANOE PADDLE



| ITEM | QTY | PART NO. | PART DESCRIPTION             |
|------|-----|----------|------------------------------|
| 1    | 1   | 1012328  | CANOE PADDLE, 5.5 FT         |
| 2    | 1   | 1005676  | BRACKET, CANOE PADDLE STOP   |
| 3    | 1   | 1005677  | CLIP, MOUNITNG, CANOE PADDLE |
| 4    | 1   | 1005678  | BRACKET, CANOE PADDLE        |