



**PARTS MANUAL  
FOR  
WIPLINE MODEL 10000 AMPHIBIAN FLOATS  
ON THE  
AT-802 & AT-802A FIRE BOSS CONVERSION**

**Revision R**

1700 Henry Avenue — Fleming Field South St. Paul, MN 55075  
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## LOG OF REVISIONS

| Revision | Pages Affected                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date       |
|----------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| A - L    | All                                                         | For previous revision changes, reference Parts Manual for 10000 Amphibian Floats on AT-802 and AT-802A - Fire Boss Conversion Revision L part number 1002179.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7/13/2020  |
| M        | All                                                         | Created separate sections for Main Gear, Nose Gear, and Hydraulics. Added Pre/Post Service Letter 207 sections for Hydraulics and Electrical. Updated Hydraulic Schematic image and parts list. Updated Hydraulic Pump Overview image and parts list. Added 1011357 Hydraulic Pump Mount Bracket Assembly image and parts list. Updated 10A12000-079 Hydraulic Pump for AT-802A image and parts list. Updated 1001594 Hydraulic Pump for AT-802 image and parts list. Updated 1011360 Hydraulic Power Pack Assembly image and parts list. Updated Hand Pump Assembly image and parts lists for AT-802A and AT-802. Updated Electrical Schematic image and parts list. Updated Trotter parts to Wipaire parts. Updated Trotter Controls Schematic image and parts list. Updated Scoop Tunnel image and parts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12/24/2020 |
| N        | All                                                         | Updated Bulkhead Part Conversions by serial number. Updated Hull Assembly - Bulkheads Left and Right Floats image and parts list. Updated Bulkhead Assemblies 8, 9, 10, 14, 15, 16 Left Float, 16 Right Float, and 17 images and parts lists. Updated Wheel Well Right Float image and parts list. Updated Wheel Well Left Float image and parts list. Added Baggage Floor Left and Right Floats section image and parts list. Updated Bottom Skins & Stiffeners image and parts list. Changed Rear Spreader Bar Attach Fitting 13A03030-004 to 1011600. Combined Main Gear section and Nose Gear section into new Landing Gear section. Added note about nose and main gear tire/tube. Updated 1003665 Accumulator Assembly image and parts list. Updated 1011357 Hydraulic Pump Mount Bracket Assembly image and parts list. Updated 10A12000-079 Hydraulic System Assembly AT-802A image. Updated 1001594 Hydraulic System Assembly AT-802 image. Updated 1011360 Hydraulic Power Pack Assembly image and parts list. Updated Electrical Schematic Post Service Letter 207 image. Removed Hydraulic Hand Pump Installation Pre Service Letter 207 section. Removed Hydraulic Schematic Pre Service Letter 207 section. Renumbered sections due to combining certain sections. Updated Pump Out Cup and Valve parts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1/25/2022  |
| P        | 10-11, 50, 53, 108-110, 114, 118, 173-177                   | Updated Hull Assembly - Bulkheads Left and Right Floats image and parts list. Replaced 10A01000-446, 10A01000-447 with 1012080 Assembly, Drag, Strut, Attach image and parts list. Replaced 13A01374-001 with 1011686 Channel, Drag Strut Attach. Updated Accumulator Assembly image and parts list. Updated Bypass Filter Assembly image and parts list. Updated images for Installation Hydraulic Pump AT-802A and AT-802 Post Service Letter 207 sections. Updated Fill System Fuselage image and parts list. Added Fill Valve Assembly section image and parts list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8/10/2022  |
| R        | 33, 36, 39-42, 53-64, 74-80, 88-91, 93-95, 98, 103-106, 175 | Updated item 18 in Bulkhead #16 Left Float section. Updated item 18 in Bulkhead #16 Right Float section. Updated image and parts list for Wheel Well Right Float. Updated image and parts list for Wheel Well Left Float. Updated title, image, and parts list for Panel Forward Super Assembly & Front Strut Float Fitting section. Added new image and parts list in Skin Assembly, Top Deck Left - Float Serial Numbers 10309A & 10310A and Later. Updated Top Deck float serial number titles. Added new image and parts list in Skin Assembly, Top Deck Right - Float Serial Numbers 10309A & 10310A and Later. Changed Cross Ties 10A01382-031, 1301382-006, and 1003425 to 1012317 for floats 10307A & 10308A and prior. Updated Top Skins Left and Right Floats sections. Updated image and parts in Extrusions Hull - Chines section. Changed Air Tractor Nut F52N1610-164 to MS21044N16 and changed Nut MS21044N18 to MS20365-1812 in Struts, Front, Rear, & Steps section due to supply chain constraints. Updated image and parts list in Struts, Front, Rear, & Steps section. Changed item 8 from 10A06000-034 Pivot Block to 10A06000-039 Pivot Block Assembly in Nose Gear Lower End Assembly section. Added 1012007 Pivot Block and Yoke Assembly and 1012008 Nose Gear Assembly, Lower End for float serial numbers 10315A & 10316A and later. Added Pivot Block With Bearings Assembly Float Serial Numbers 10315A & 10316A And Later image and parts list. Updated title for Nose Gear Assembly, Lower End for float serial numbers 10313A & 10314A and prior. Changed 1002230 Rod T-Seal to quantity 2. Updated image and parts list in Main Gear Wheel Assembly section. Updated image and parts list in Main Gear Axle Assembly section. Replaced 10A09000-292 Assembly, Piston Rod, Probe Jack with 1011446 in Probe Jack Cylinder Assembly section as 10A09000-292 has been discontinued. | 11/1/2023  |

Please visit [www.wipaire.com](http://www.wipaire.com) for the most current revision of this manual.

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## FLOAT PART SALES DEPARTMENT OPERATIONS

### Parts Sales:

Wipaire, Inc.

1700 Henry Avenue – Fleming Field

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

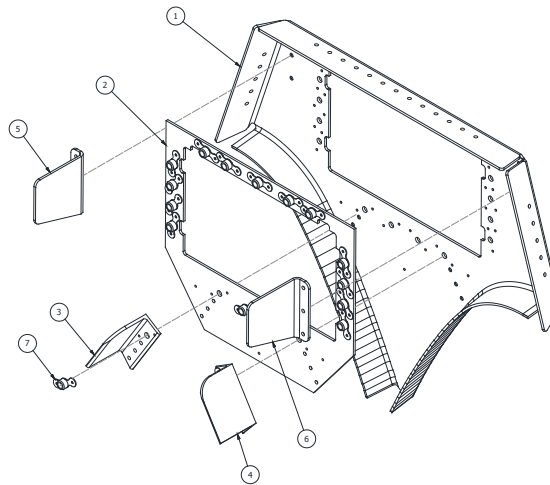
### COVERAGE

This parts manual shows components below the top deck, struts and other components above the top deck, the hydraulic handle in the aircraft, and the hydraulic pumps located in the aircraft.

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               |

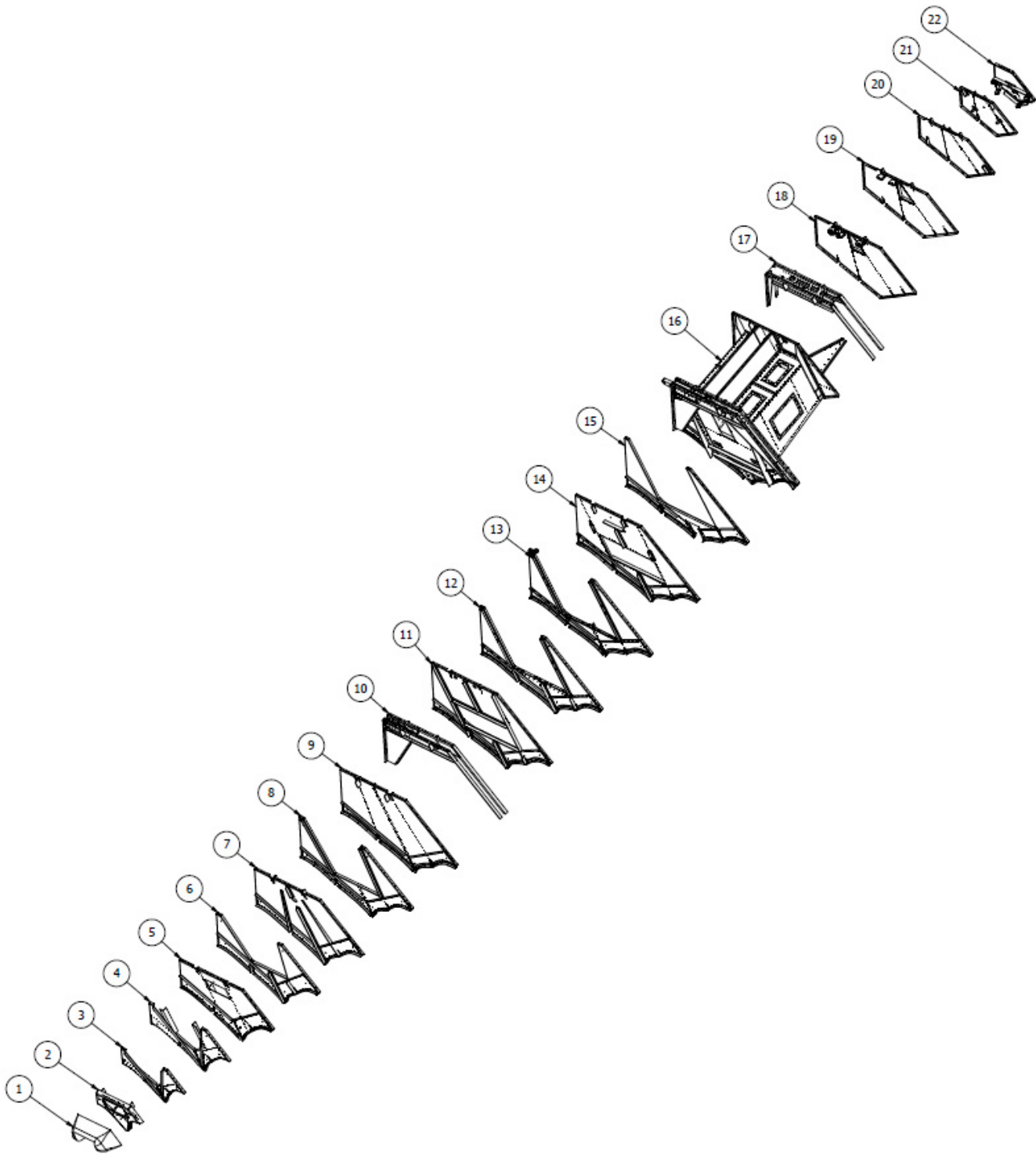
To order an individual part, order the part number associated with item number.

## SECTION 1 BULKHEAD ASSEMBLIES

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## HULL ASSEMBLY - BULKHEADS LEFT AND RIGHT FLOATS



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| ITEM  | QTY | PART NO.     | PART DESCRIPTION                         |
|-------|-----|--------------|------------------------------------------|
| 1     | 1   | 13A01733-001 | NOSE BUMPER                              |
| 2     | 1   | 1008815      | ASSEMBLY, BULKHEAD 1, 10000              |
| 3     | 1   | 1008816      | ASSEMBLY, BULKHEAD 2, 10000              |
| 4     | 1   | 1008819      | ASSEMBLY, BULKHEAD 3, 10000              |
| 5     | 1   | 1007902      | ASSEMBLY, BULKHEAD 4, 10000              |
| 6     | 1   | 1007920      | ASSEMBLY, BULKHEAD 5, 10000              |
| 7     | 1   | 1007921      | ASSEMBLY, BULKHEAD 6, 10000              |
| 8     | 1   | 1007922      | ASSEMBLY, BULKHEAD 7, 10000              |
| 9     | 1   | 1011481      | ASSEMBLY, BULKHEAD 8, 10000              |
| 10    | 1   | 10A01000-445 | ASSEMBLY, FWD SUPER PANEL                |
| 11    | 1   | 1011469      | ASSEMBLY, BULKHEAD 9, 10000              |
| 12    | 1   | 1011460      | ASSEMBLY, BULKHEAD 10, 10000             |
| 13    | 1   | 1011450      | ASSEMBLY, BULKHEAD 12, 10000             |
| 14    | 1   | 1011389      | ASSEMBLY, BULKHEAD 14, 10000             |
| 15    | 1   | 1011371      | ASSEMBLY, BULKHEAD 15, 10000             |
| 16 LT | 1   | 1011705      | ASSEMBLY, WHEEL WELL, LEFT FLOAT, 10000  |
| 16 RT | 1   | 1011706      | ASSEMBLY, WHEEL WELL, RIGHT FLOAT, 10000 |
| 17    | 1   | 1012080      | ASSEMBLY, DRAG STRUT, ATTACH, 10000      |
| 18 LT | 1   | 1001071      | BULKHEAD ASSEMBLY #18, LEFT              |
| 18 RT | 1   | 1001072      | BULKHEAD ASSEMBLY #18, RIGHT             |
| 19    | 1   | 1001453      | ASSEMBLY, BULKHEAD #19                   |
| 20    | 1   | 10A01000-411 | BULKHEAD ASSEMBLY #20                    |
| 21    | 1   | 10A01000-412 | BULKHEAD ASSEMBLY #21                    |
| 22    | 1   | 1002681      | ASSEMBLY, BULKHEAD, #22                  |

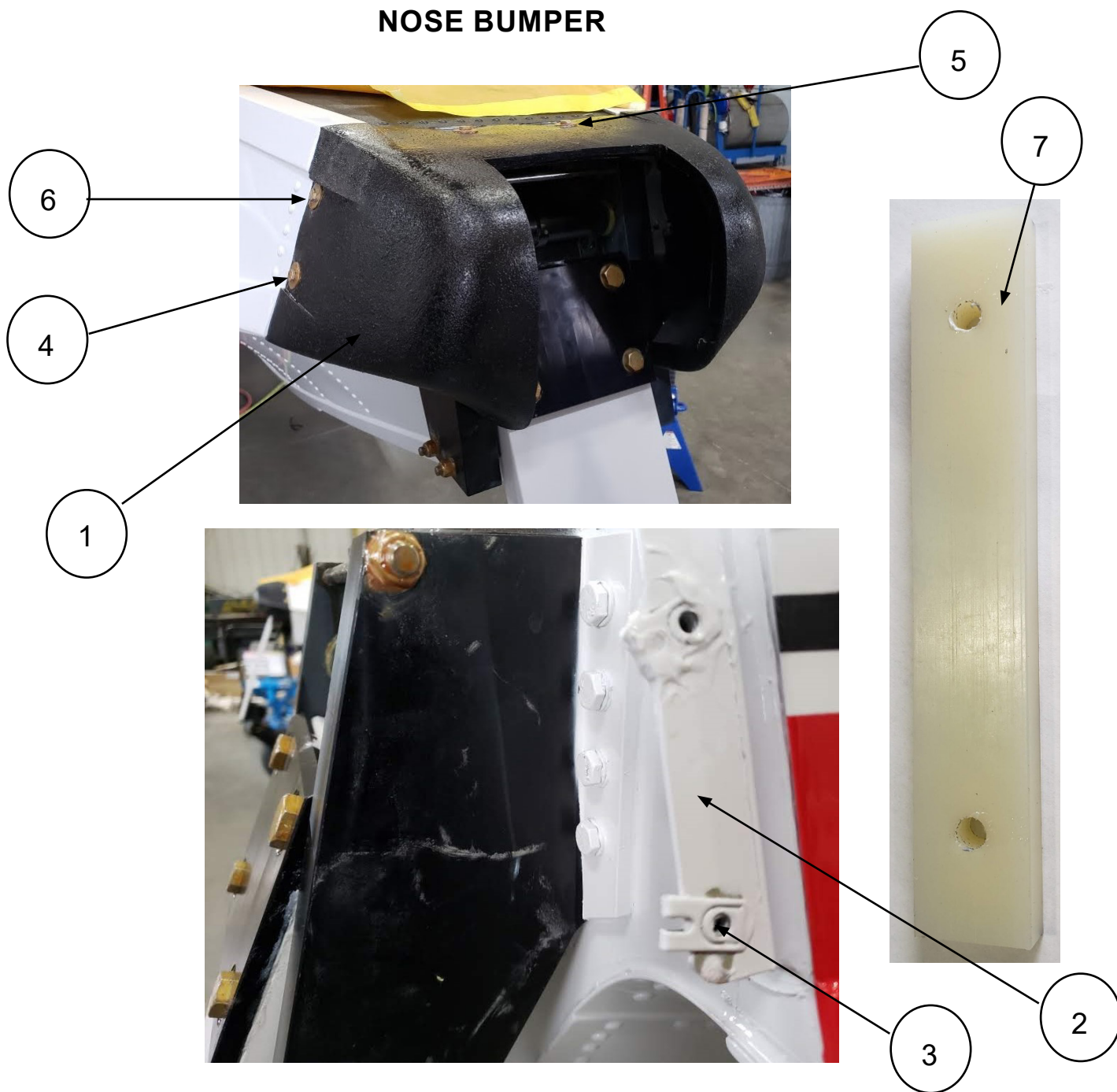
For float serial numbers 10268A and prior, see 10000 Fast Build Bulkhead Part Conversions on next page.

## 10000A FAST BUILD BULKHEAD PART CONVERSIONS FLOAT SERIAL NUMBERS

| DESCRIPTION               | CURRENT P/N - S/N<br>10269A & LATER | OLD P/N - S/N 10167A<br>THROUGH 10268A | OLD P/N - S/N 10166A<br>AND PRIOR |
|---------------------------|-------------------------------------|----------------------------------------|-----------------------------------|
| ASSEMBLY BULKHEAD #1      | 1008815                             | 1008815                                | 13A01000-185                      |
| ASSEMBLY BULKHEAD #2      | 1008816                             | 1008816                                | 13A01000-186                      |
| ASSEMBLY BULKHEAD #3      | 1008819                             | 1008819                                | 13A01000-187                      |
| ASSEMBLY BULKHEAD #4      | 1007902                             | 1007902                                | 13A01000-188                      |
| ASSEMBLY BULKHEAD #5      | 1007920                             | 1007920                                | 13A01000-189                      |
| ASSEMBLY BULKHEAD #6      | 1007921                             | 1007921                                | 10A01000-422                      |
| ASSEMBLY BULKHEAD #7      | 1007922                             | 1007922                                | 13A01000-191                      |
| ASSEMBLY BULKHEAD #8      | 1011481                             | 1007923                                | 10A01000-417                      |
| ASSEMBLY BULKHEAD #9      | 1011469                             | 1007924                                | 10A01000-418                      |
| ASSEMBLY BULKHEAD #10     | 1011460                             | 1007925                                | 13A01000-194                      |
| ASSEMBLY BULKHEAD #12     | 1011450                             | 1007926                                | 13A01000-196                      |
| ASSEMBLY BULKHEAD #14     | 1011389                             | 1007927                                | 13A01000-197                      |
| ASSEMBLY BULKHEAD #15     | 1011371                             | 10A01000-431                           | 10A01000-431                      |
| ASSEMBLY BULKHEAD #16 LT. | 1011503                             | 1007957                                | 10A01000-433                      |
| ASSEMBLY BULKHEAD #16 RT. | 1011504                             | 1007958                                | 10A01000-432                      |
| ASSEMBLY BULKHEAD #17     | 1007936                             | 1007936                                | 10A01000-435                      |
| ASSEMBLY BULKHEAD #18 RT. | 1001072                             | 1001072                                | 1001072                           |
| ASSEMBLY BULKHEAD #18 LT. | 1001071                             | 1001071                                | 1001071                           |
| ASSEMBLY BULKHEAD #19 RT. | 1001454                             | 1001454                                | 1001454                           |
| ASSEMBLY BULKHEAD #19 LT. | 1001453                             | 1001453                                | 1001453                           |
| ASSEMBLY BULKHEAD #20     | 10A01000-411                        | 10A01000-411                           | 10A01000-411                      |
| ASSEMBLY BULKHEAD #21     | 10A01000-412                        | 10A01000-412                           | 10A01000-412                      |
| ASSEMBLY BULKHEAD #22     | 1002681                             | 1002681                                | 1002681                           |

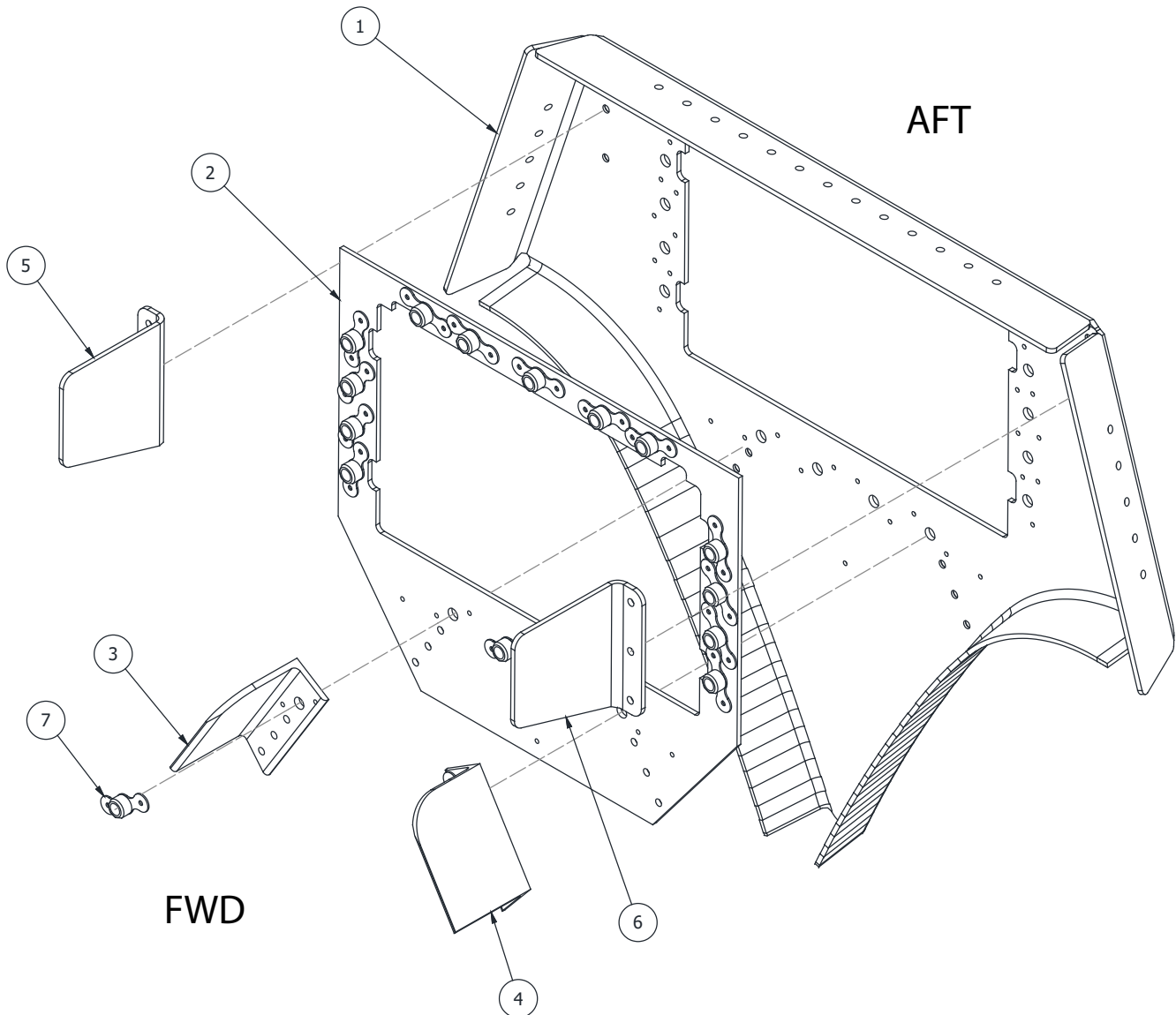


## NOSE BUMPER



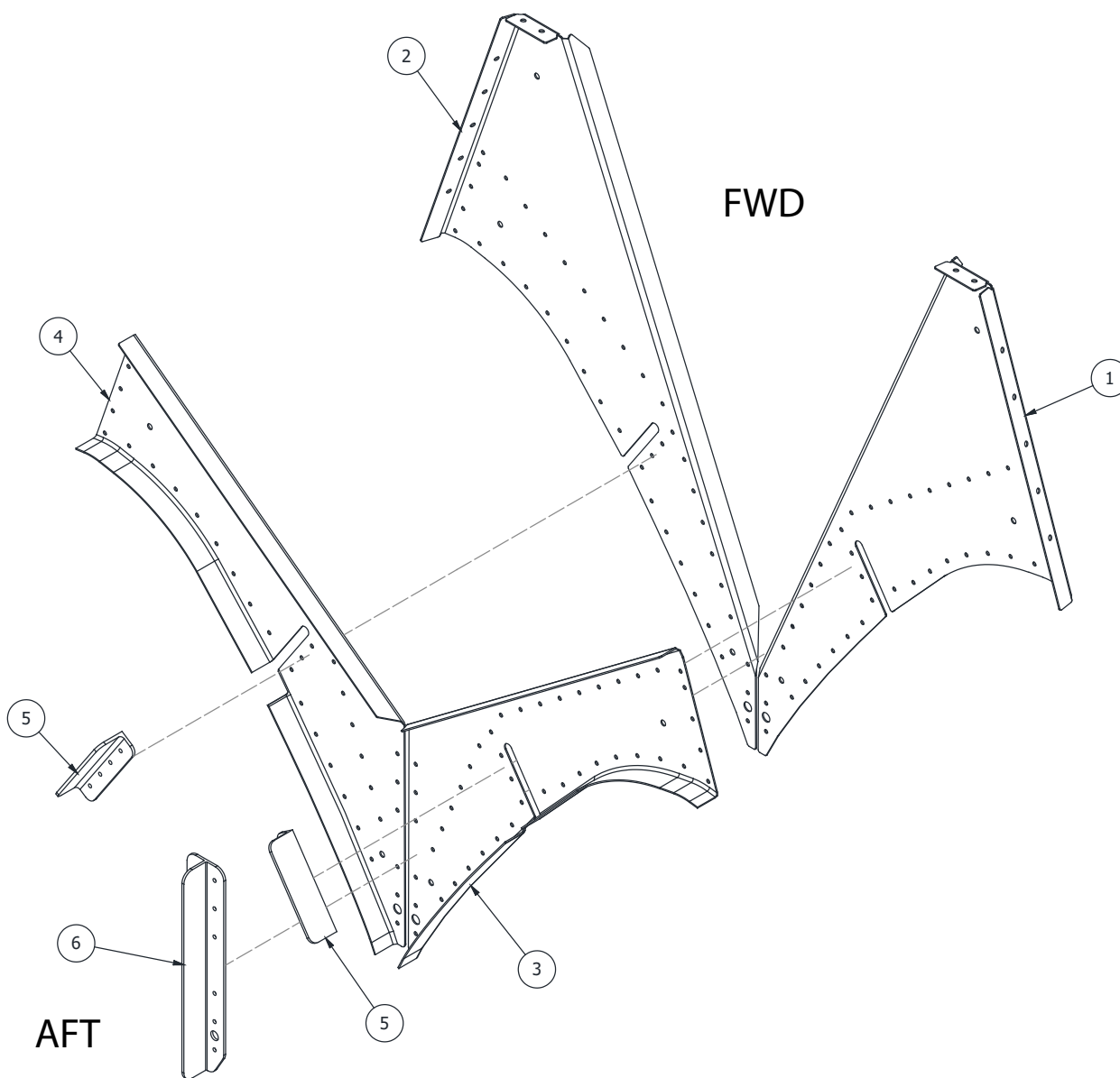
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                           |
|------|-----|--------------|------------------------------------------------------------|
| 1    | 1   | 13A01733-001 | NOSE BUMPER                                                |
| 2    | 2   | 6A01359-051  | ANGLE, NOSE BUMPER ATTACH                                  |
| 3    | 4   | CN130120     | NUT, CLIP, ASSEMBLY, 13/16" DIA / 10-32 THREAD             |
| 4    | 4   | AN3-7A       | BOLT, SIZE 10-32, LENGTH +/- 1/64 - 29/32, GRIP LENGTH 1/2 |
| 5    | 2   | AN3-12A      | BOLT, 10-32 THREAD, 7/8" GRIP, 1-9/32" LENGTH              |
| 6    | 6   | AN970-3      | WASHER, .203 ID, .875 OD, .063 THK                         |
| 7    | 1   | 1008285      | SPACER, NOSE BUMPER, 10000                                 |

## BULKHEAD #1



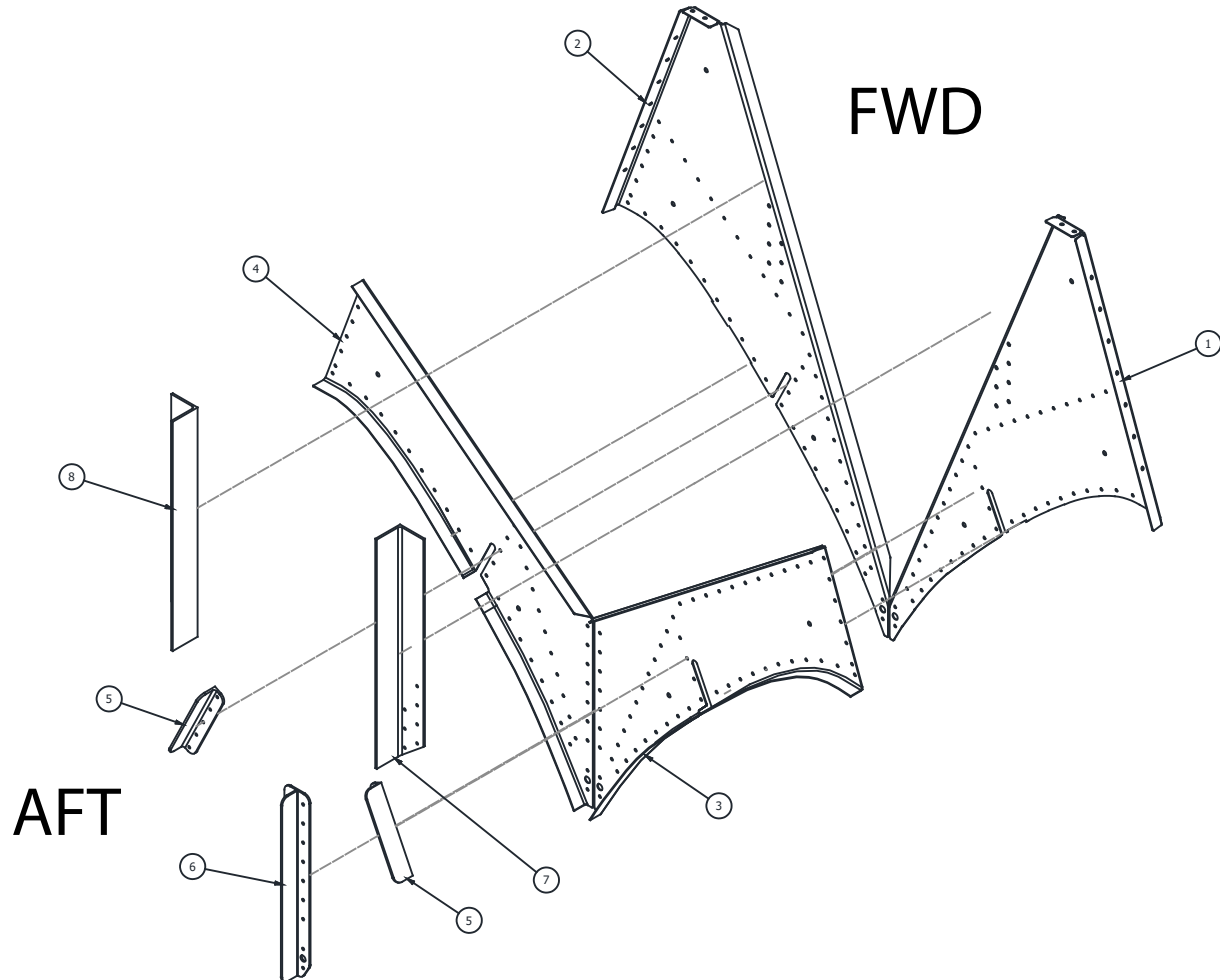
| ITEM | QTY | PART NO.     | PART DESCRIPTION                      |
|------|-----|--------------|---------------------------------------|
| -    | 1   | 1008815      | ASSEMBLY BULKHEAD #1, 10000           |
| 1    | 1   | 1008797      | PANEL, BULKHEAD #1                    |
| 2    | 1   | 13A01156-085 | 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               |

## BULKHEAD #2



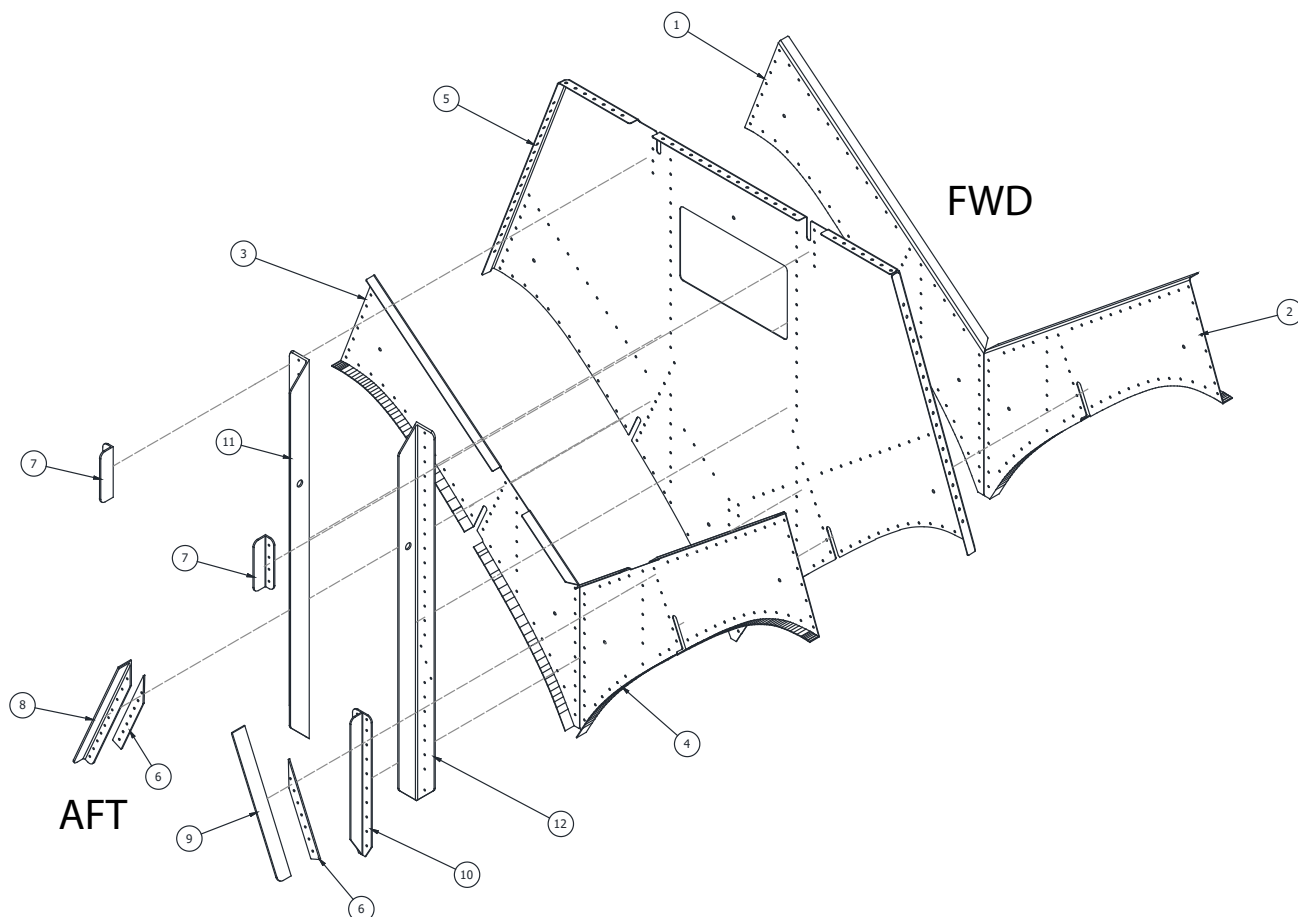
| ITEM | QTY | PART NO.     | PART DESCRIPTION                       |
|------|-----|--------------|----------------------------------------|
| -    | 1   | 1008816      | ASSEMBLY BULKHEAD #2, 10000            |
| 1    | 1   | 1008813      | PANEL, SIDE, RH, BULKHEAD 2            |
| 2    | 1   | 1008814      | PANEL, SIDE, LH, BULKHEAD 2            |
| 3    | 1   | 13A01150-002 | FLUTE, BULKHEAD, #2, RT                |
| 4    | 1   | 13A01150-003 | FLUTE, BULKHEAD, #2, LT                |
| 5    | 2   | 13A01359-127 | ANGLE, BULKHEAD #2, SISTER KEEL ATTACH |
| 6    | 1   | 13A01381-002 | STIFFENER, BULKHEAD #2, CENTER         |

## BULKHEAD #3



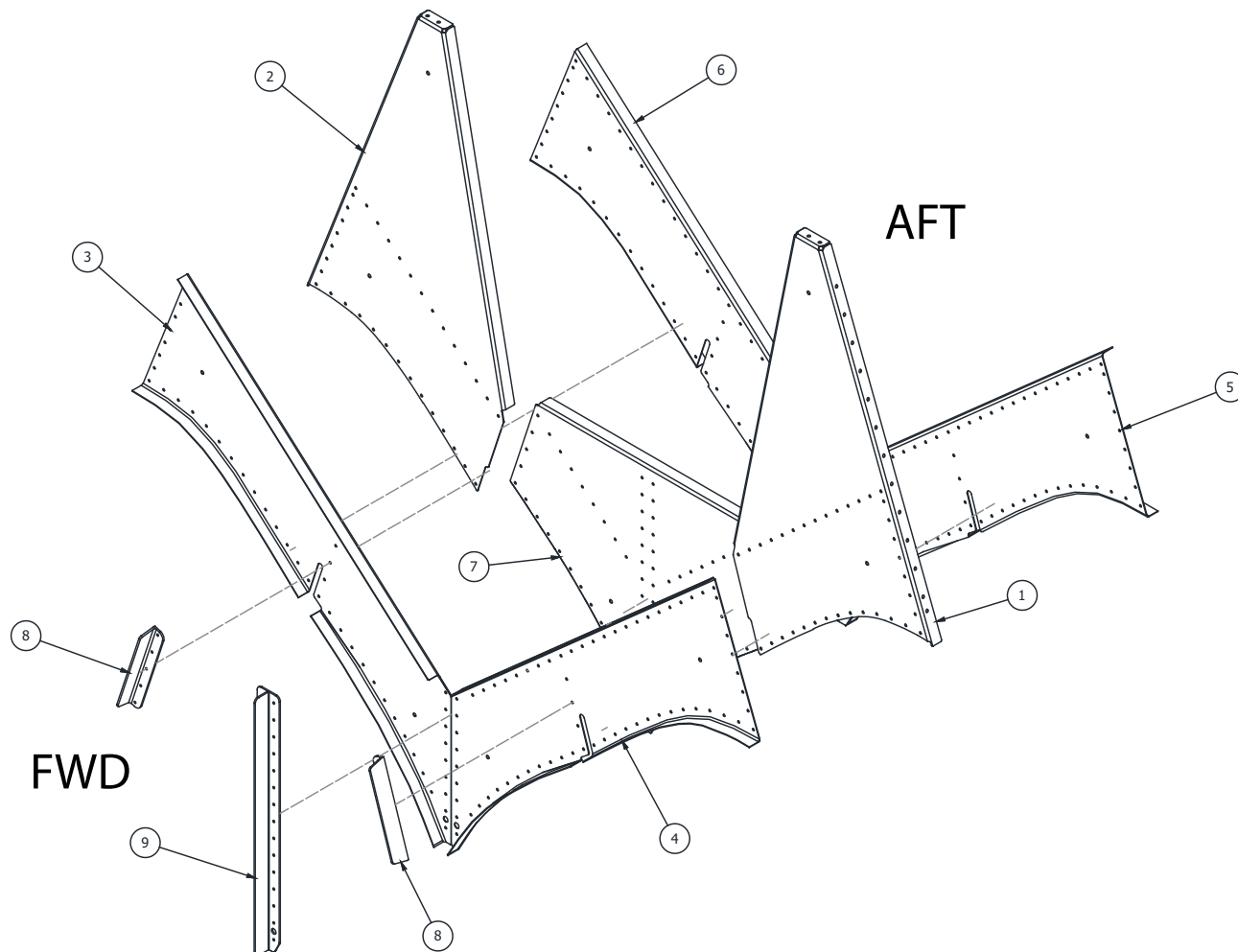
| ITEM | QTY | PART NO.     | PART DESCRIPTION                           |
|------|-----|--------------|--------------------------------------------|
| -    | 1   | 1008819      | ASSEMBLY BULKHEAD #3, 10000                |
| 1    | 1   | 1008817      | PANEL, SIDE, RH, BULKHEAD 3                |
| 2    | 1   | 1008818      | PANEL, SIDE, LH, BULKHEAD 3                |
| 3    | 1   | 13A01150-004 | FLUTE, BULKHEAD #3, RT                     |
| 4    | 1   | 13A01150-005 | FLUTE, BULKHEAD #3, LT                     |
| 5    | 2   | 13A01359-128 | ANGLE, BULKHEAD #3, SISTER KEEL ATTACH     |
| 6    | 1   | 13A01381-003 | T ANGLE, BULKHEAD #3, LT                   |
| 7    | 1   | 13A01382-004 | ANGLE, BULKHEAD #3, VERTICLE STIFFENER RT. |
| 8    | 1   | 13A01382-005 | ANGLE, BULKHEAD #3, VERTICLE STIFFENER LT. |

## BULKHEAD #4



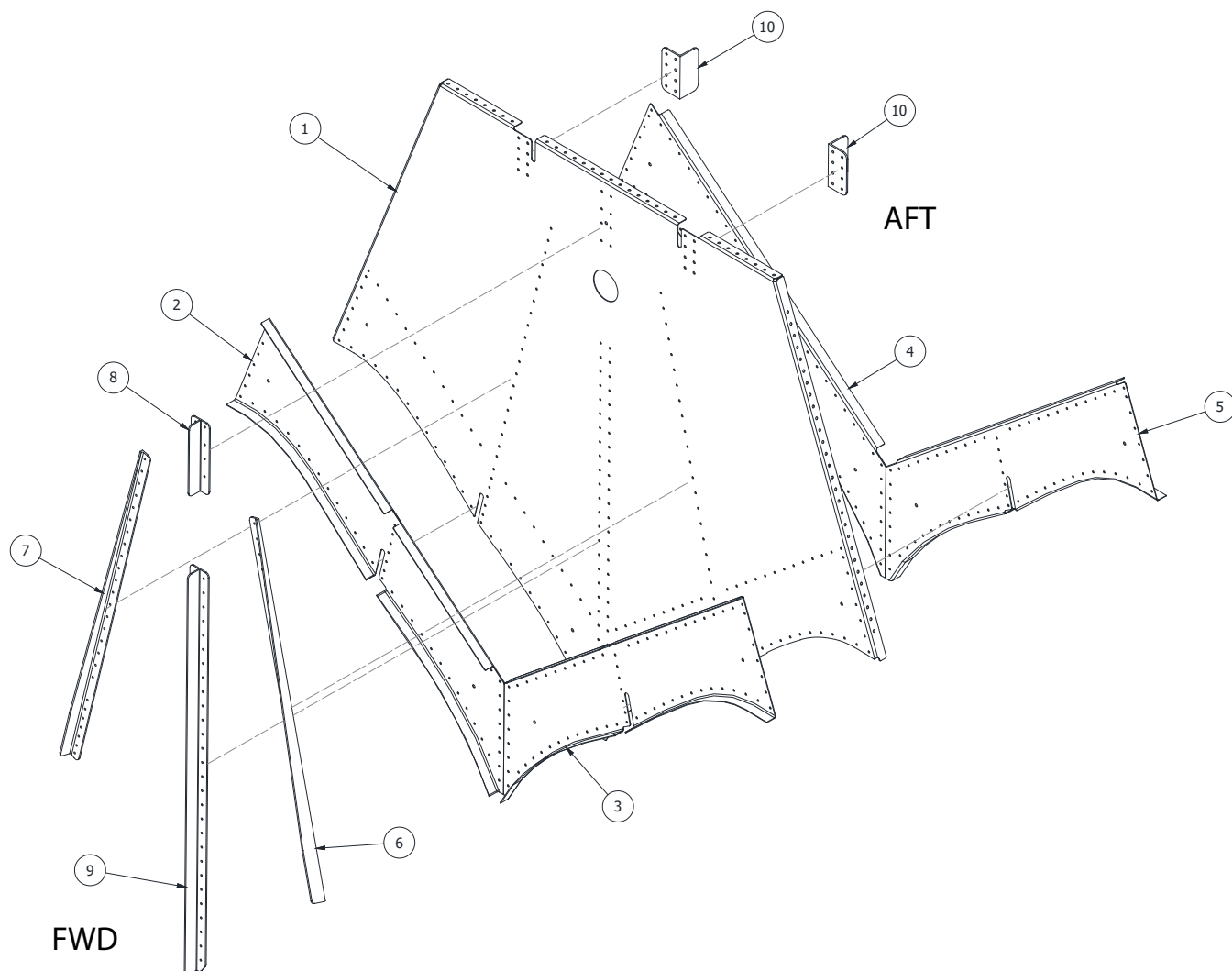
| ITEM | QTY | PART NO.     | PART DESCRIPTION                              |
|------|-----|--------------|-----------------------------------------------|
| -    | 1   | 1007902      | ASSEMBLY BULKHEAD #4, 10000                   |
| 1    | 1   | 1001305      | FLUTE, BULKHEAD #4, FWD LT                    |
| 2    | 1   | 1001306      | FLUTE, BULKHEAD #4, FWD RT                    |
| 3    | 1   | 1001308      | FLUTE, BULKHEAD #4, AFT LT                    |
| 4    | 1   | 1001309      | FLUTE, BULKHEAD #4, AFT RT                    |
| 5    | 1   | 1007901      | PANEL, BULKHEAD 4                             |
| 6    | 2   | 13A01157-005 | SPACER, BULKHEAD                              |
| 7    | 2   | 13A01359-124 | ANGLE, TOP RAIL ATTACH                        |
| 8    | 1   | 13A01359-125 | ANGLE, BULKHEAD #4, SISTER KEEL ATTACH, LT    |
| 9    | 1   | 13A01359-126 | ANGLE, BULKHEAD #4, SISTER KEEL ATTACH, RT    |
| 10   | 1   | 13A01381-001 | T ANGLE, BULKHEAD #4, KEEL ATTACH             |
| 11   | 1   | 13A01382-001 | ANGLE, BULKHEAD #4, NOSE BOX COVER ATTACH, LT |
| 12   | 1   | 13A01382-002 | ANGLE, BULKHEAD #4, NOSE BOX COVER ATTACH, RT |

## BULKHEAD #5



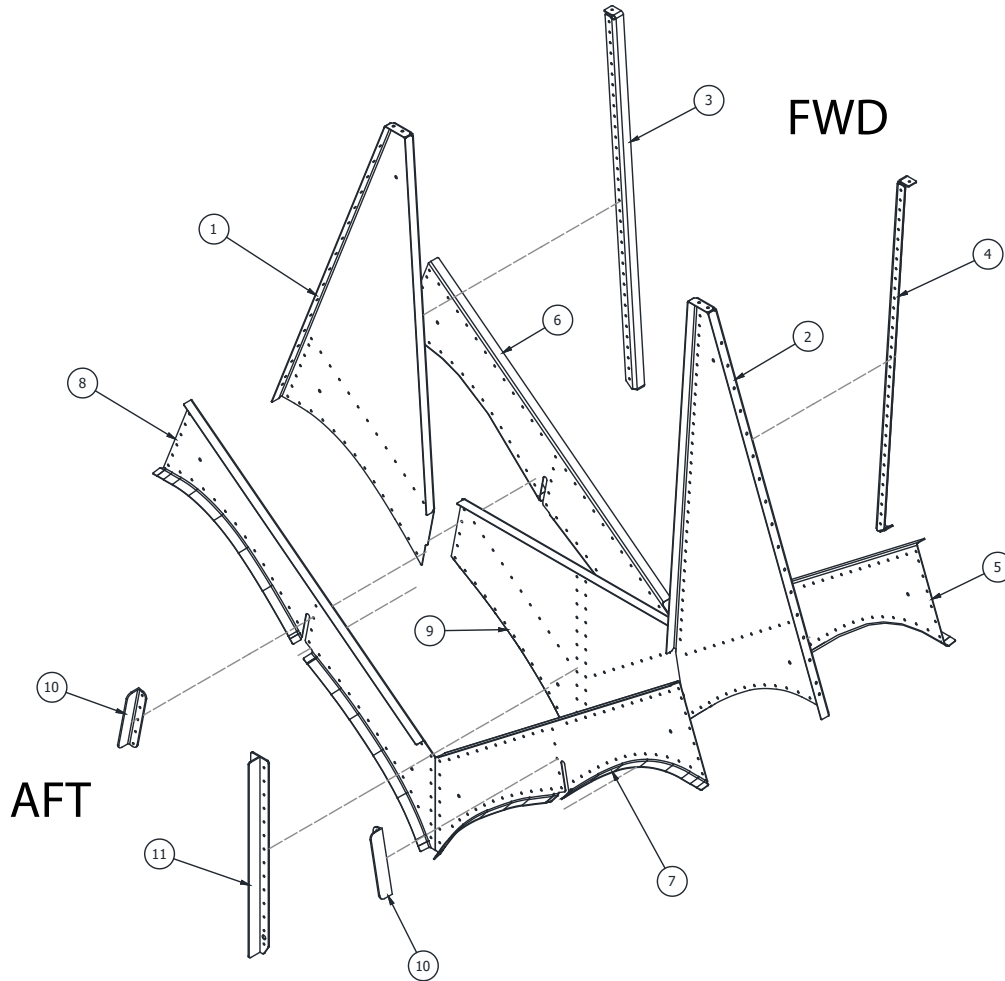
| ITEM | QTY | PART NO.     | PART DESCRIPTION                 |
|------|-----|--------------|----------------------------------|
| -    | 1   | 1007920      | ASSEMBLY BULKHEAD #5, 10000      |
| 1    | 1   | 1007903      | PANEL, SIDE, LH, BULKHEAD 5      |
| 2    | 1   | 1007904      | PANEL, SIDE, RH, BULKHEAD 5      |
| 3    | 1   | 13A01150-010 | FLUTE, BULKHEAD 5, FWD, RIGHT    |
| 4    | 1   | 13A01150-011 | FLUTE, BULKHEAD 5, FWD, LEFT     |
| 5    | 1   | 13A01150-012 | FLUTE, BULKHEAD 5, AFT, RIGHT    |
| 6    | 1   | 13A01150-013 | FLUTE, BULKHEAD 5, AFT, LEFT     |
| 7    | 1   | 13A01150-051 | MAIN PANEL, BULKHEAD #5          |
| 8    | 1   | 13A01359-129 | ANGLE, BH #5, SISTER KEEL ATTACH |
| 9    | 1   | 13A01381-004 | STIFFENER, BH #5, CENTER         |

## BULKHEAD #6



| ITEM | QTY | PART NO.     | PART DESCRIPTION                    |
|------|-----|--------------|-------------------------------------|
| -    | 1   | 1007921      | ASSEMBLY BULKHEAD #6, 10000         |
| 1    | 1   | 1007905      | PANEL, BULKHEAD 6                   |
| 2    | 1   | 13A01150-014 | FLUTE, BULKHEAD #6, FWD RT          |
| 3    | 1   | 13A01150-015 | FLUTE, BULKHEAD #6, FWD LT          |
| 4    | 1   | 13A01150-016 | FLUTE, BULKHEAD #6, AFT RT          |
| 5    | 1   | 13A01150-017 | FLUTE, BULKHEAD #6, AFT LT          |
| 6    | 1   | 13A01359-164 | ANGLE, BULKHEAD #6, SISTER KEEL, LT |
| 7    | 1   | 13A01359-165 | ANGLE, BULKHEAD #6, SISTER KEEL, RT |
| 8    | 1   | 13A01381-013 | STIFFENER, BULKHEAD #6, CENTER, UPR |
| 9    | 1   | 13A01381-014 | STIFFENER, BULKHEAD #6, CENTER, LWR |
| 10   | 2   | 13A01382-003 | CLEAT, TOP DECK RAIL                |

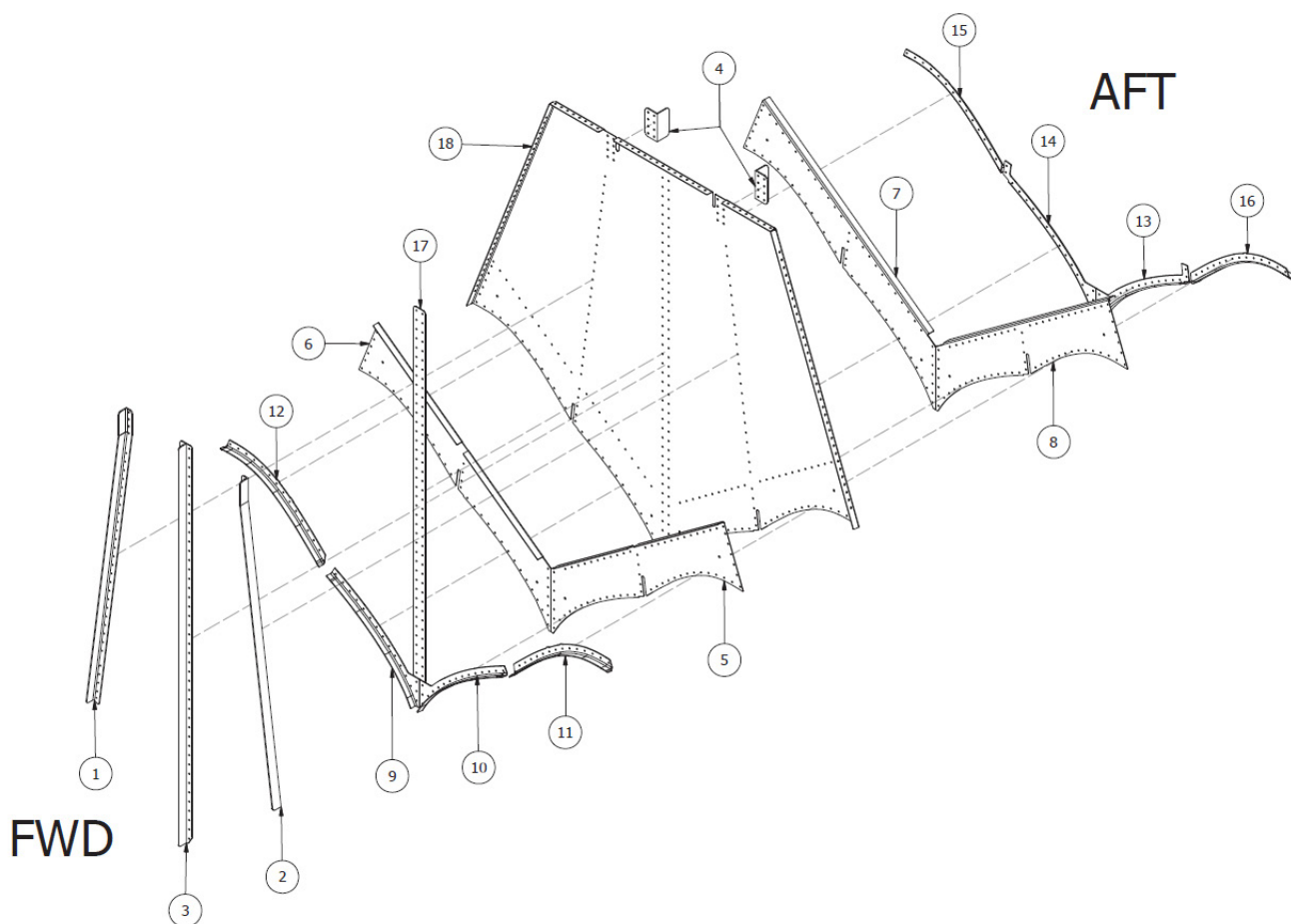
## BULKHEAD #7



| ITEM | QTY | PART NO.     | PART DESCRIPTION                           |
|------|-----|--------------|--------------------------------------------|
| -    | 1   | 1007922      | ASSEMBLY BULKHEAD #7, 10000                |
| 1    | 1   | 1007907      | PANEL, SIDE, LH, BULKHEAD 7                |
| 2    | 1   | 1007908      | PANEL, SIDE, RH, BULKHEAD 7                |
| 3    | 1   | 1009157      | STIFFENER, PANEL, LH, BH 7, 10000          |
| 4    | 1   | 1009158      | STIFFENER, PANEL, RH, BH 7, 10000          |
| 5    | 1   | 13A01150-018 | FLUTE, BH #7, FWD RT                       |
| 6    | 1   | 13A01150-019 | FLUTE, BH #7, FWD LT                       |
| 7    | 1   | 13A01150-020 | FLUTE, BH #7, AFT RT                       |
| 8    | 1   | 13A01150-021 | FLUTE, BH #7, AFT LT                       |
| 9    | 1   | 13A01150-055 | MAIN PANEL, BH #7                          |
| 10   | 2   | 13A01359-130 | ANGLE, BH #7, SISTER KEEL ATTACH           |
| 11   | 1   | 13A01381-008 | STIFFENER, CENTER, BH #7, 10, 12, 13, & 15 |



## BULKHEAD #8



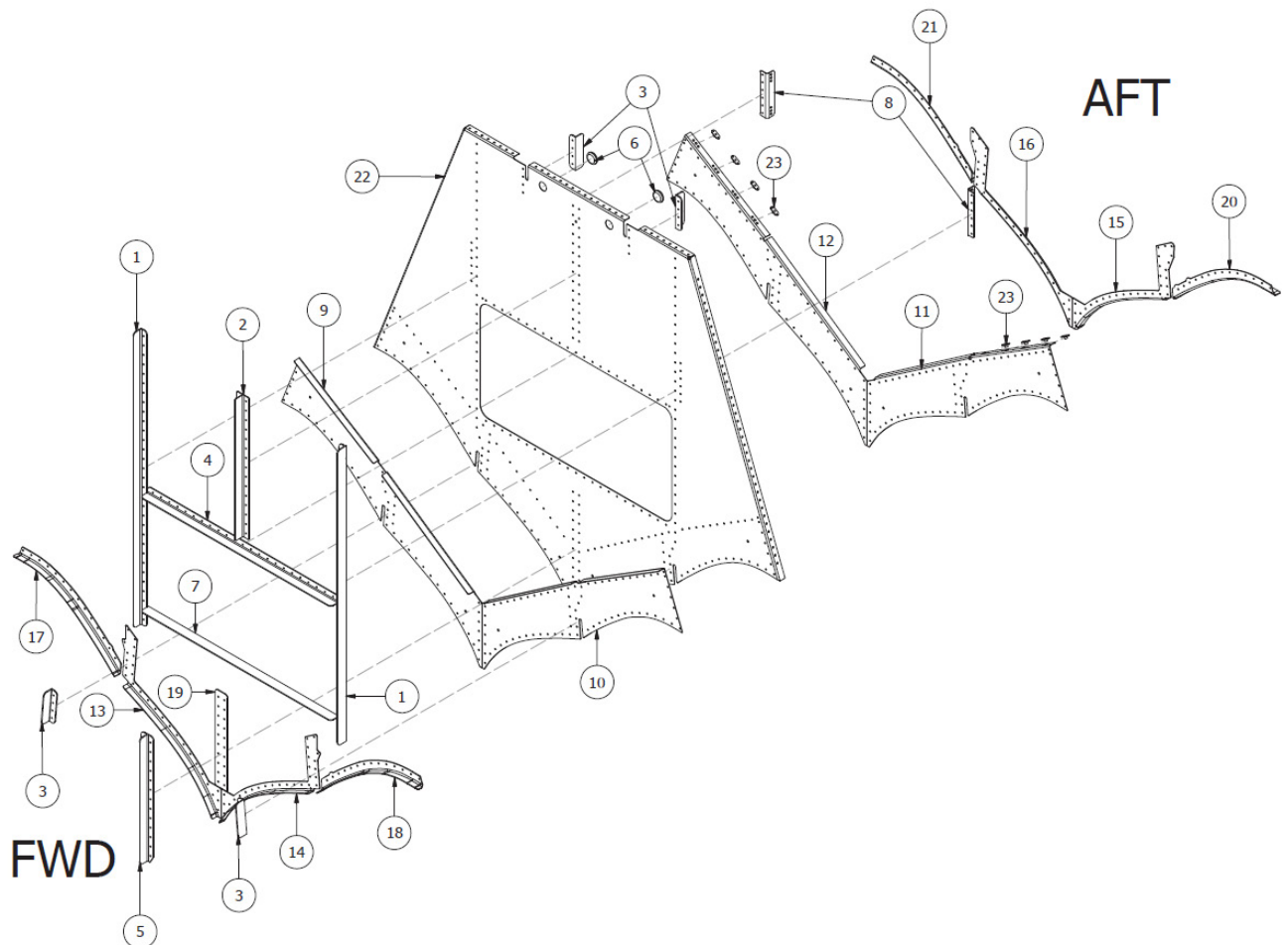
| ITEM | QTY | PART NO.     | PART DESCRIPTION                        |
|------|-----|--------------|-----------------------------------------|
| -    | 1   | 1011481      | ASSEMBLY, BULKHEAD #8, 10000            |
| 1    | 1   | 10A01359-241 | ANGLE, BH #8, SISTER KEEL, RH           |
| 2    | 1   | 10A01359-242 | ANGLE, BH #8, SISTER KEEL, LH           |
| 3    | 1   | 10A01381-017 | ANGLE, BH #8, CENTER                    |
| 4    | 2   | 13A01382-003 | CLEAT, TOP DECK RAIL                    |
| 5    | 1   | 1011482      | PANEL, FLUTE, 10000                     |
| 6    | 1   | 1011483      | PANEL, FLUTE, 10000                     |
| 7    | 1   | 1011484      | PANEL, FLUTE, 10000                     |
| 8    | 1   | 1011485      | PANEL, FLUTE, 10000                     |
| 9    | 1   | 1011486      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 10   | 1   | 1011487      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 11   | 1   | 1011488      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 12   | 1   | 1011489      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 13   | 1   | 1011490      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 14   | 1   | 1011491      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 15   | 1   | 1011492      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |

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| ITEM | QTY | PART NO. | PART DESCRIPTION                        |
|------|-----|----------|-----------------------------------------|
| 16   | 1   | 1011493  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 17   | 1   | 1011495  | SPACER, STIFFENING ANGLE                |
| 18   | 1   | 1011689  | PANEL, BULKHEAD 8                       |

## BULKHEAD #9



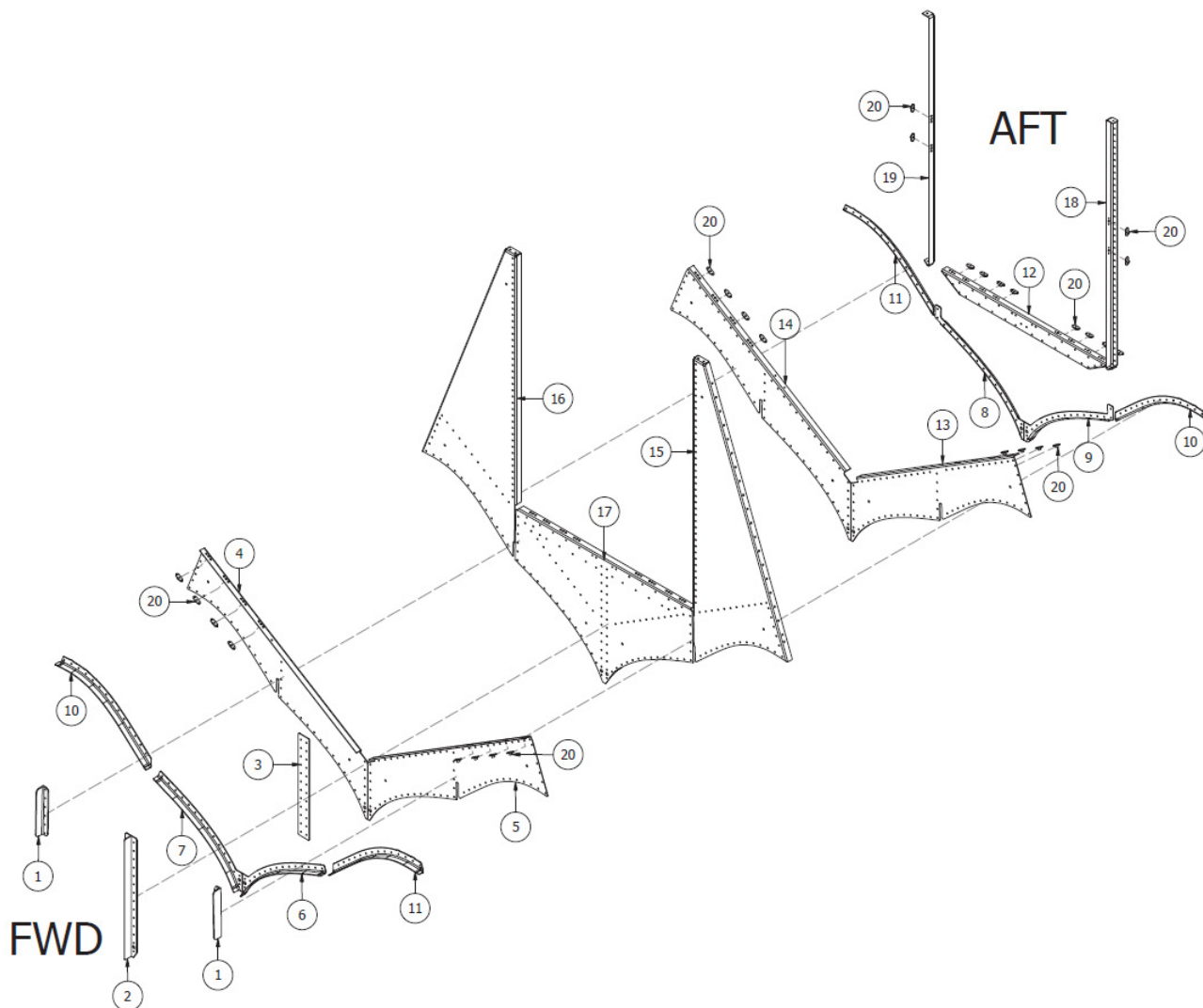
| ITEM | QTY | PART NO.     | PART DESCRIPTION                           |
|------|-----|--------------|--------------------------------------------|
| -    | 1   | 1011469      | ASSEMBLY, BULKHEAD #9, 10000               |
| 1    | 2   | 10A01359-240 | ANGLE, BH #9, SIDE STIFFENER               |
| 2    | 1   | 10A01381-016 | STIFFENER, BH #9, TOP                      |
| 3    | 4   | 13A01359-124 | ANGLE, TOP RAIL ATTACH                     |
| 4    | 1   | 13A01359-134 | ANGLE, COVER REINFORCEMENT, BULKHEAD 14    |
| 5    | 1   | 13A01381-011 | STIFFENER, CENTER, BOTTOM, BH 9 & 14       |
| 6    | 2   | 9600K517     | PLUG                                       |
| 7    | 1   | 1007955      | ANGLE, COVER REINFORCEMENT, BULKHEAD 9, 14 |
| 8    | 2   | 1009820      | ASSEMBLY, ANGLE, SUPPORT, BACK STOP, 10000 |
| 9    | 1   | 1011470      | PANEL, FLUTE, 10000                        |
| 10   | 1   | 1011471      | PANEL, FLUTE, 10000                        |
| 11   | 1   | 1011472      | PANEL, FLUTE, 10000                        |
| 12   | 1   | 1011473      | PANEL, FLUTE, 10000                        |
| 13   | 1   | 1011474      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |

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| ITEM | QTY | PART NO.   | PART DESCRIPTION                        |
|------|-----|------------|-----------------------------------------|
| 14   | 1   | 1011475    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 15   | 1   | 1011476    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 16   | 1   | 1011477    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 17   | 1   | 1011478    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 18   | 1   | 1011479    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 19   | 1   | 1011480    | SPACER, STIFFENING ANGLE                |
| 20   | 1   | 1011496    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 21   | 1   | 1011497    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 22   | 1   | 1011502    | PANEL, BULKHEAD 9                       |
| 23   | 8   | MS21059L08 | NUT PLATE                               |

## BULKHEAD #10



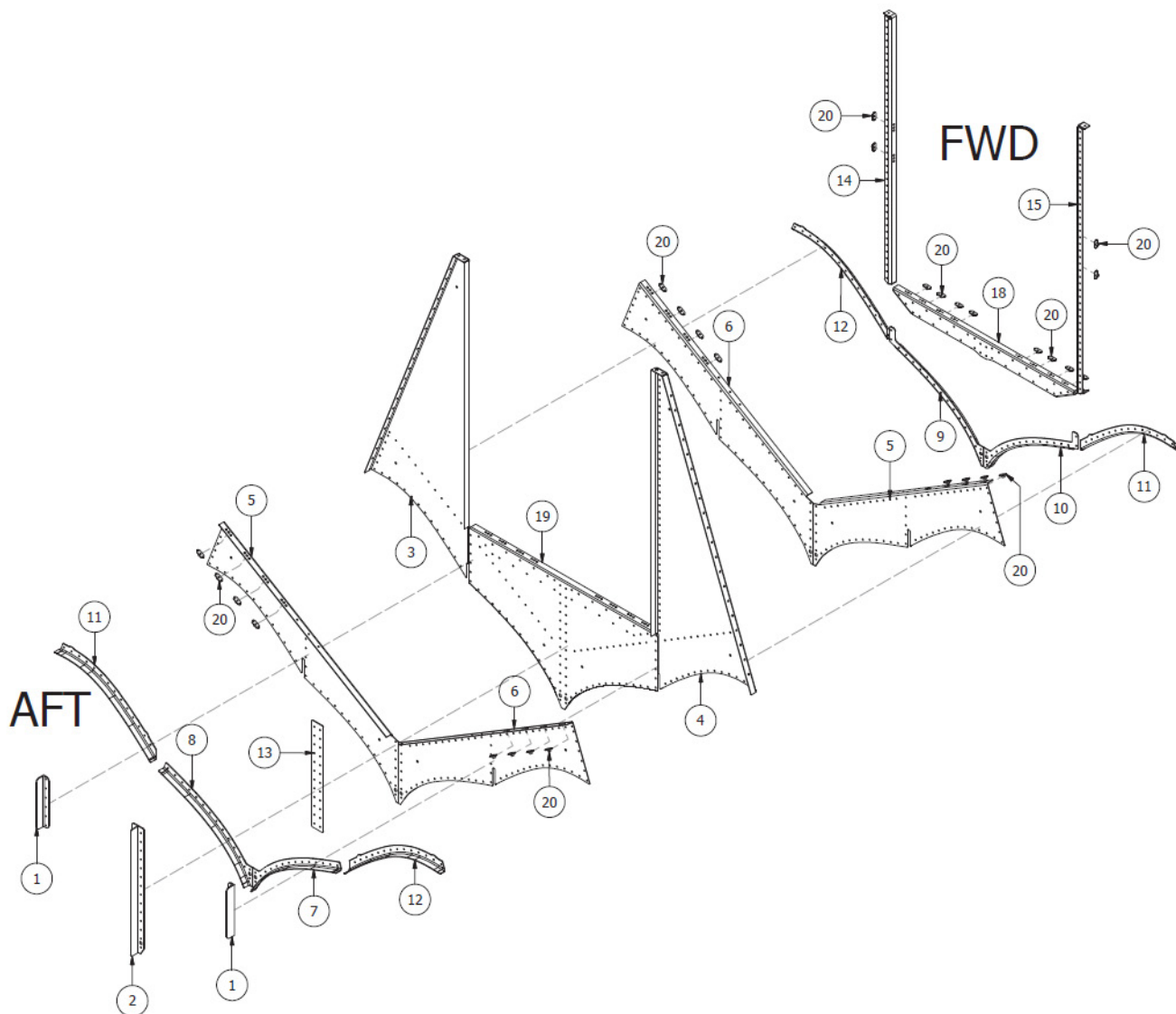
| ITEM | QTY | PART NO.     | PART DESCRIPTION                           |
|------|-----|--------------|--------------------------------------------|
| -    | 1   | 1011460      | ASSEMBLY, BULKHEAD #10, 10000              |
| 1    | 2   | 13A01359-133 | ANGLE, SISTER KEEL ATTACH                  |
| 2    | 1   | 13A01381-008 | STIFFENER, CENTER, BH #7, 10, 12, 13, & 15 |
| 3    | 1   | 1011459      | SPACER, STIFFENING ANGLE                   |
| 4    | 1   | 1011461      | PANEL, FLUTE, 10000                        |
| 5    | 1   | 1011462      | PANEL, FLUTE, 10000                        |
| 6    | 1   | 1011463      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 7    | 1   | 1011464      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 8    | 1   | 1011465      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 9    | 1   | 1011466      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 10   | 2   | 1011467      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 11   | 2   | 1011468      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 12   | 1   | 1011505      | DOUBLER, BULKHEAD 10, 10000                |

PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.   | PART DESCRIPTION             |
|------|-----|------------|------------------------------|
| 13   | 1   | 1011507    | PANEL, FLUTE, 10000          |
| 14   | 1   | 1011508    | PANEL, FLUTE, 10000          |
| 15   | 1   | 1011509    | PANEL, SIDE, LH, BULKHEAD 10 |
| 16   | 1   | 1011510    | PANEL, SIDE, RH, BULKHEAD 10 |
| 17   | 1   | 1011519    | CENTER PANEL, BH 10          |
| 18   | 1   | 1011520    | ANGLE, STIFFENER             |
| 19   | 1   | 1011521    | ANGLE, STIFFENER             |
| 20   | 28  | MS21059L08 | NUT PLATE                    |

## BULKHEAD #12



| ITEM | QTY | PART NO.     | PART DESCRIPTION                           |
|------|-----|--------------|--------------------------------------------|
| -    | 1   | 1011450      | ASSEMBLY, BULKHEAD #12, 10000              |
| 1    | 2   | 13A01359-133 | ANGLE, SISTER KEEL ATTACH                  |
| 2    | 1   | 13A01381-008 | STIFFENER, CENTER, BH #7, 10, 12, 13, & 15 |
| 3    | 1   | 1007914      | PANEL, SIDE, LH, BULKHEAD 12               |
| 4    | 1   | 1007915      | PANEL, SIDE, RH, BULKHEAD 12               |
| 5    | 2   | 1011451      | PANEL, FLUTE, 10000                        |
| 6    | 2   | 1011452      | PANEL, FLUTE, 10000                        |
| 7    | 1   | 1011453      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 8    | 1   | 1011454      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 9    | 1   | 1011455      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 10   | 1   | 1011456      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |

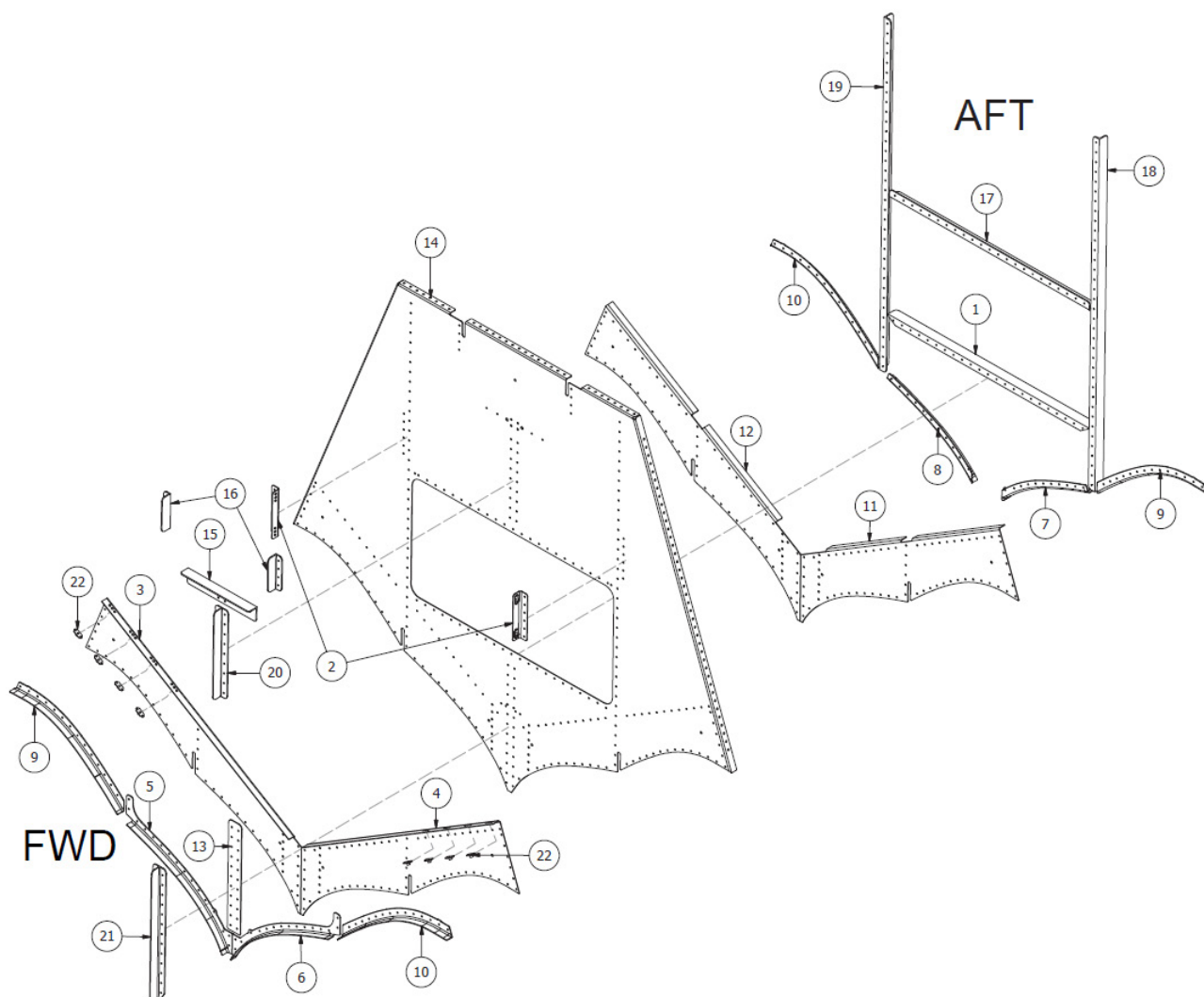
PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.   | PART DESCRIPTION                        |
|------|-----|------------|-----------------------------------------|
| 11   | 2   | 1011457    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 12   | 2   | 1011458    | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 13   | 1   | 1011459    | SPACER, STIFFENING ANGLE                |
| 14   | 1   | 1011530    | ANGLE, STIFFENER                        |
| 15   | 1   | 1011531    | ANGLE, STIFFENER                        |
| 18   | 1   | 1011534    | ANGLE, DOUBLER, BULKHEAD                |
| 19   | 1   | 1011536    | PANEL, CENTER                           |
| 20   | 28  | MS21059L08 | NUT PLATE                               |



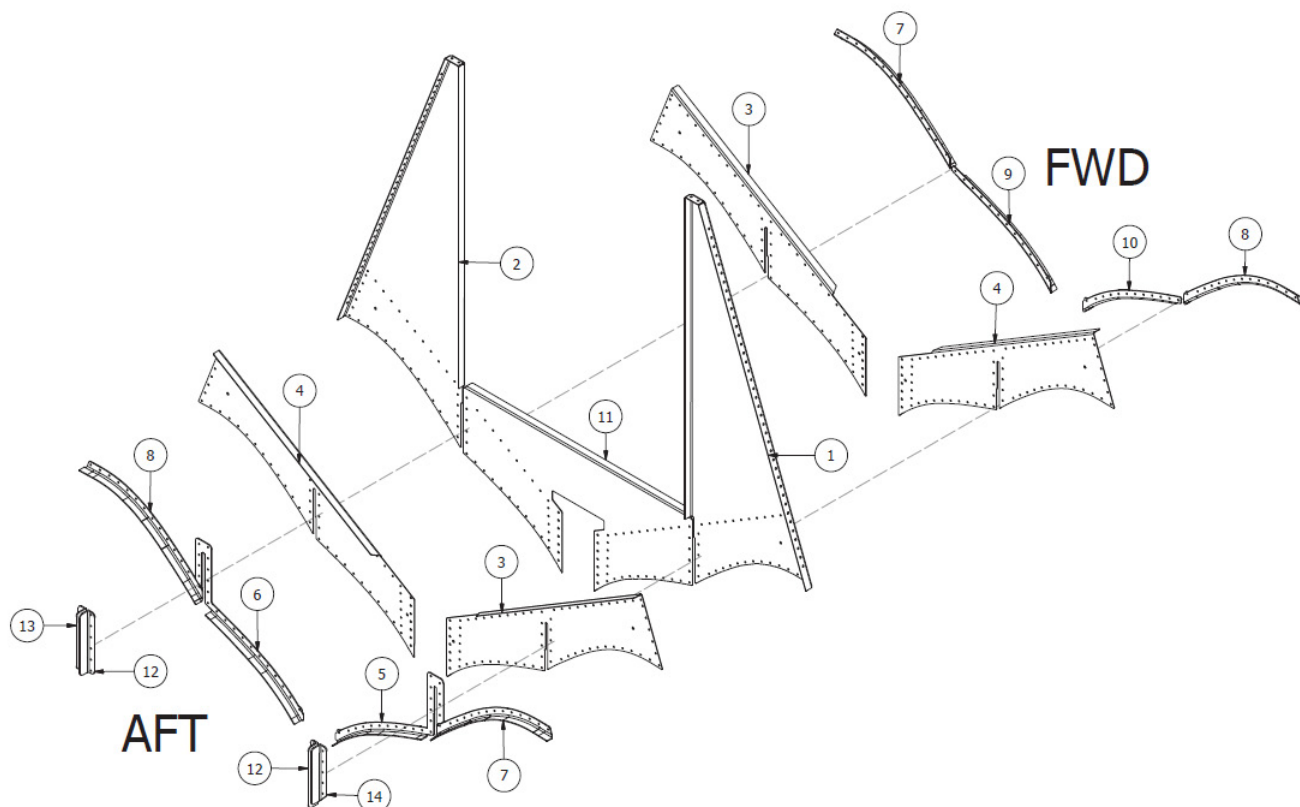
## BULKHEAD #14



| ITEM | QTY | PART NO. | PART DESCRIPTION                           |
|------|-----|----------|--------------------------------------------|
| -    | 1   | 1011389  | ASSEMBLY, BULKHEAD #14, 10000              |
| 1    | 1   | 1007955  | ANGLE, COVER REINFORCEMENT, BULKHEAD 9, 14 |
| 2    | 2   | 1009820  | ASSEMBLY, ANGLE, SUPPORT, BACK STOP, 10000 |
| 3    | 11  | 1011390  | PANEL, FLUTE, 10000                        |
| 4    | 1   | 1011391  | PANEL, FLUTE, 10000                        |
| 5    | 1   | 1011392  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 6    | 1   | 1011393  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 7    | 1   | 1011394  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 8    | 1   | 1011395  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 9    | 2   | 1011396  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 10   | 2   | 1011397  | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000    |
| 11   | 1   | 1011398  | PANEL, FLUTE, 10000                        |

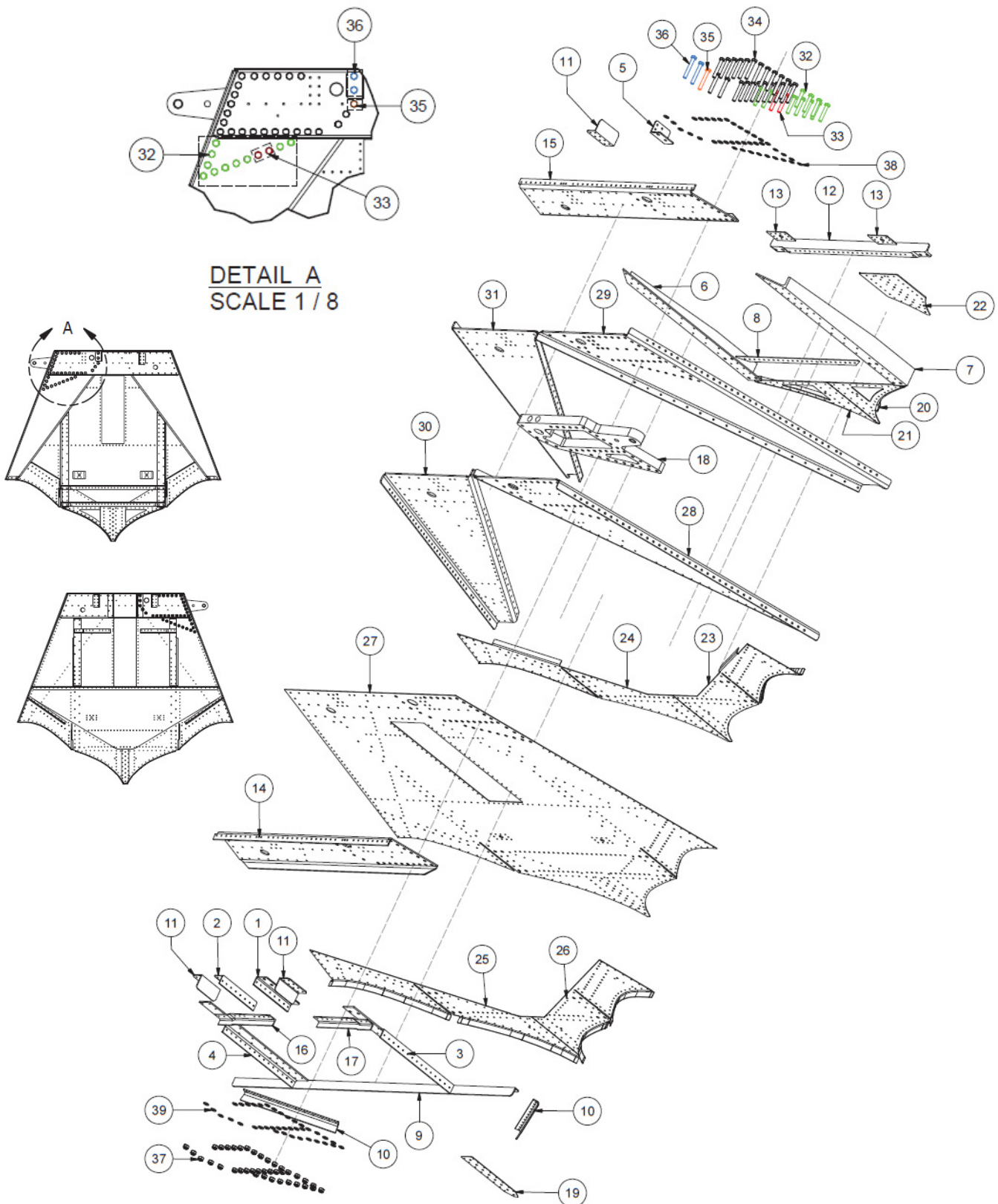
| ITEM | QTY | PART NO.     | PART DESCRIPTION                        |
|------|-----|--------------|-----------------------------------------|
| 12   | 1   | 1011399      | PANEL, FLUTE, 10000                     |
| 13   | 1   | 1011400      | SPACER, STIFFENER, BULKHEAD             |
| 14   | 1   | 1011537      | PANEL, BULKHEAD 14                      |
| 15   | 1   | 13A01348-009 | ANGLE, BH #14, HORIZONTAL               |
| 16   | 2   | 13A01359-124 | ANGLE, TOP RAIL ATTACH                  |
| 17   | 1   | 13A01359-134 | ANGLE, COVER REINFORCEMENT, BULKHEAD 14 |
| 18   | 1   | 13A01359-141 | ANGLE, BH #14, SISTER KEEL ATTACH, LT   |
| 19   | 1   | 13A01359-142 | ANGLE, BH #14, SISTER KEEL ATTACH, RT   |
| 20   | 1   | 13A01381-009 | STIFFENER, BH #14, CENTER UPPER         |
| 21   | 1   | 13A01381-011 | STIFFENER, CENTER, BOTTOM, BH 9 & 14    |
| 22   | 8   | MS21059L08   | NUT PLATE                               |

## BULKHEAD #15



| ITEM | QTY | PART NO.     | PART DESCRIPTION                        |
|------|-----|--------------|-----------------------------------------|
| -    | 1   | 1011371      | ASSEMBLY, BULKHEAD #15, 10000           |
| 1    | 1   | 1001052      | PANEL, BULKHEAD SIDE #15, RIGHT         |
| 2    | 1   | 1001053      | PANEL, BULKHEAD SIDE #15, LEFT          |
| 3    | 2   | 1011372      | PANEL, FLUTE, 10000                     |
| 4    | 2   | 1011373      | PANEL, FLUTE, 10000                     |
| 5    | 1   | 1011374      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 6    | 1   | 1011375      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 7    | 2   | 1011376      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 8    | 2   | 1011377      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 9    | 1   | 1011378      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 10   | 1   | 1011379      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000 |
| 11   | 1   | 1011690      | PANEL, CENTER, BULKHEAD #15             |
| 12   | 2   | 13A01359-133 | ANGLE, SISTER KEEL ATTACH               |
| 13   | 1   | 8A01359-079  | ANGLE, SISTER KEEL ATTACH, AFT LEFT     |
| 14   | 1   | 8A01359-080  | ANGLE, SISTER KEEL ATTACH, AFT RIGHT    |

## BULKHEAD #16 LEFT FLOAT



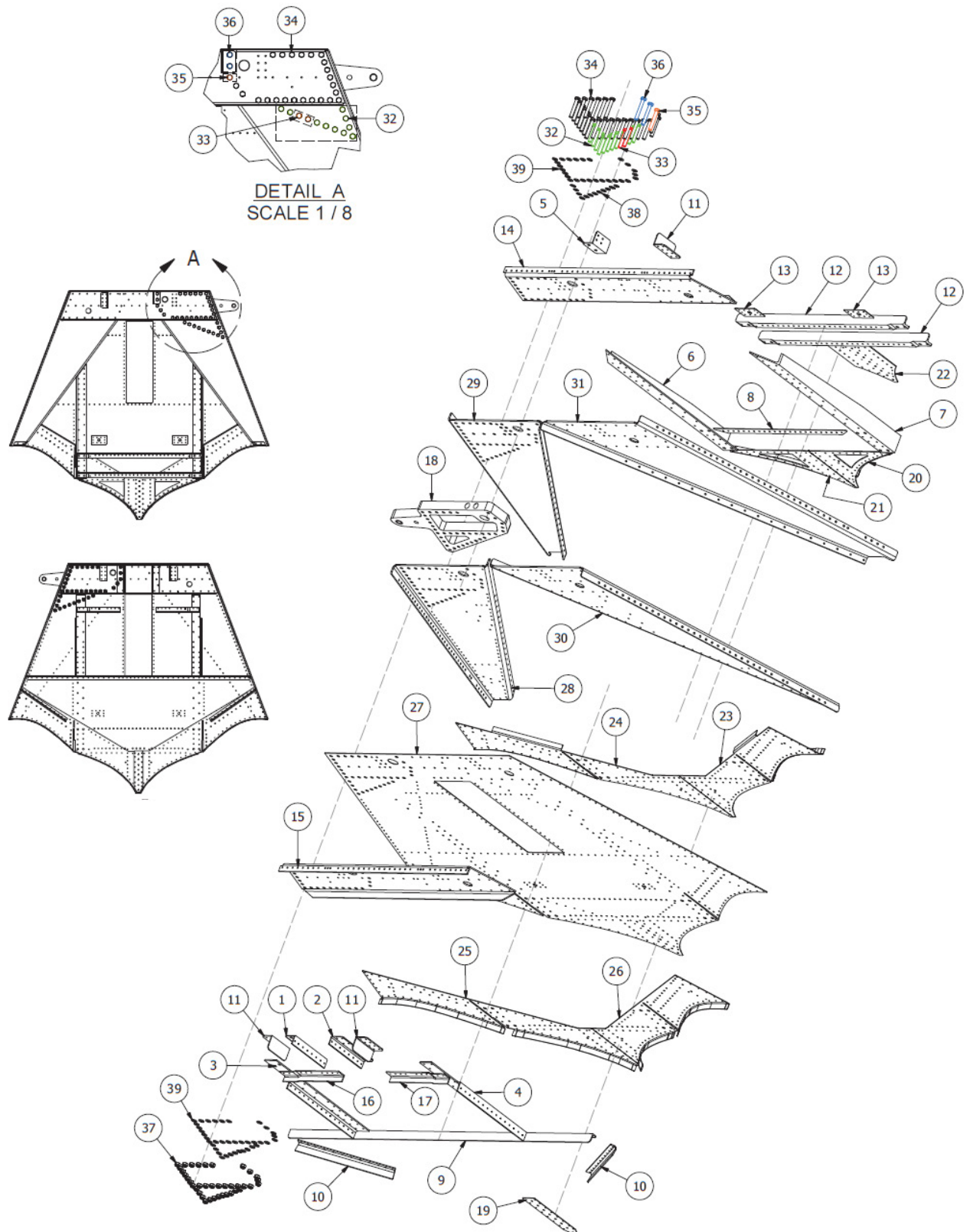
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                                 |
|------|-----|--------------|------------------------------------------------------------------|
| -    | 1   | 1011503      | ASSEMBLY, BULKHEAD #16, LEFT FLOAT, 10000                        |
| 1    | 1   | 10A01348-027 | ANGLE, UPPER VERT. WHEEL WELL                                    |
| 2    | 1   | 10A01348-029 | ANGLE, UPPER VERT. WHEEL WELL                                    |
| 3    | 1   | 10A01357-076 | ANGLE, BULKHEAD, VERTICAL TRUNION EXTENSION                      |
| 4    | 1   | 10A01357-077 | ANGLE, BULKHEAD, VERTICAL TRUNION EXTENSION                      |
| 5    | 1   | 10A01382-029 | ANGLE, TOP RAIL MOD. LEFT                                        |
| 6    | 1   | 10A01428-003 | ANGLE - TRUNNION SUPPORT, LEFT                                   |
| 7    | 1   | 10A01428-004 | ANGLE - TRUNNION SUPPORT, RIGHT                                  |
| 8    | 1   | 13A01150-205 | SHIM, UPPER, #16 BULKHEAD                                        |
| 9    | 1   | 13A01359-170 | HORZ. ANGLE BULKHEAD #16                                         |
| 10   | 2   | 13A01359-179 | ANGLE, BULKHEAD #16                                              |
| 11   | 3   | 13A01382-003 | CLEAT, TOP DECK RAIL                                             |
| 12   | 2   | 13A01427-016 | ANGLE -TRUNION HORIZ STIFFENER, BULKHEAD #16                     |
| 13   | 2   | 1001380      | BRAKE LINE DOUBLER                                               |
| 14   | 1   | 1001433      | PANEL - MAIN STRUT                                               |
| 15   | 1   | 1001434      | PANEL - MAIN STRUT                                               |
| 16   | 1   | 1007953      | ANGLE - ATTACH HORIZ. PANEL BULKHEAD #16                         |
| 17   | 1   | 1007954      | ANGLE - ATTACH HORIZ. PANEL BULKHEAD #16                         |
| 18   | 1   | 1009850      | ASSY, FITTING, MAIN STRUT, FLOAT (P/N 13A01161-002 DISCONTINUED) |
|      | 1   | 1008698      | BUSHING .625 ID                                                  |
|      | 1   | 1012018      | BUSHING, .500 ID                                                 |
| 19   | 1   | 1011498      | DOUBLER                                                          |
| 20   | 1   | 1011511      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000                          |
| 21   | 1   | 1011512      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000                          |
| 22   | 1   | 1011513      | DOUBLER, TUNNEL END                                              |
| 23   | 1   | 1011514      | PANEL, FLUTE, 10000                                              |
| 24   | 1   | 1011515      | PANEL, FLUTE, 10000                                              |
| 25   | 1   | 1011516      | PANEL, FLUTE, 10000                                              |
| 26   | 1   | 1011517      | PANEL, FLUTE, 10000                                              |
| 27   | 1   | 1011518      | PANEL, BULKHEAD, 16                                              |
| 28   | 1   | 1011691      | PANEL, MAIN STRUT, INBRD, AFT, LT                                |
| 29   | 1   | 1011693      | PANEL, MAIN STRUT, INBRD, FWD, LEFT                              |
| 30   | 1   | 1011695      | PANEL, MAIN STRUT, OUTBRD, AFT, LT                               |
| 31   | 1   | 1011697      | PANEL, MAIN STRUT, OUTBRD, FWD, LT                               |
| 32   | 10  | AN5-16A      | BOLT, 5/16-24, 1.3125 GRIP, UNDRILLED, STEEL                     |
| 33   | 2   | AN5-17A      | BOLT, 5/16-24, 1.4375 GRIP, UNDRILLED, STEEL                     |
| 34   | 23  | AN5-20A      | BOLT, 5/16-24, 1.5625 GRIP, UNDRILLED, STEEL                     |
| 35   | 1   | AN5-21A      | BOLT, 5/16-24, 1.6875 GRIP, UNDRILLED, STEEL                     |
| 36   | 2   | AN5-22A      | BOLT, 5/16-24, 1.8125 GRIP, UNDRILLED, STEEL                     |
| 37   | 38  | MS21044N5    | NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF                        |

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| ITEM | QTY | PART NO.      | PART DESCRIPTION                      |
|------|-----|---------------|---------------------------------------|
| 38   | 12  | NAS1149D0516J | WASHER, 0.328 ID, 0.016 THK, ALUMINUM |
| 39   | 64  | NAS1149D0563J | WASHER, 0.328 ID, 0.063 THK, ALUMINUM |

## BULKHEAD #16 RIGHT FLOAT





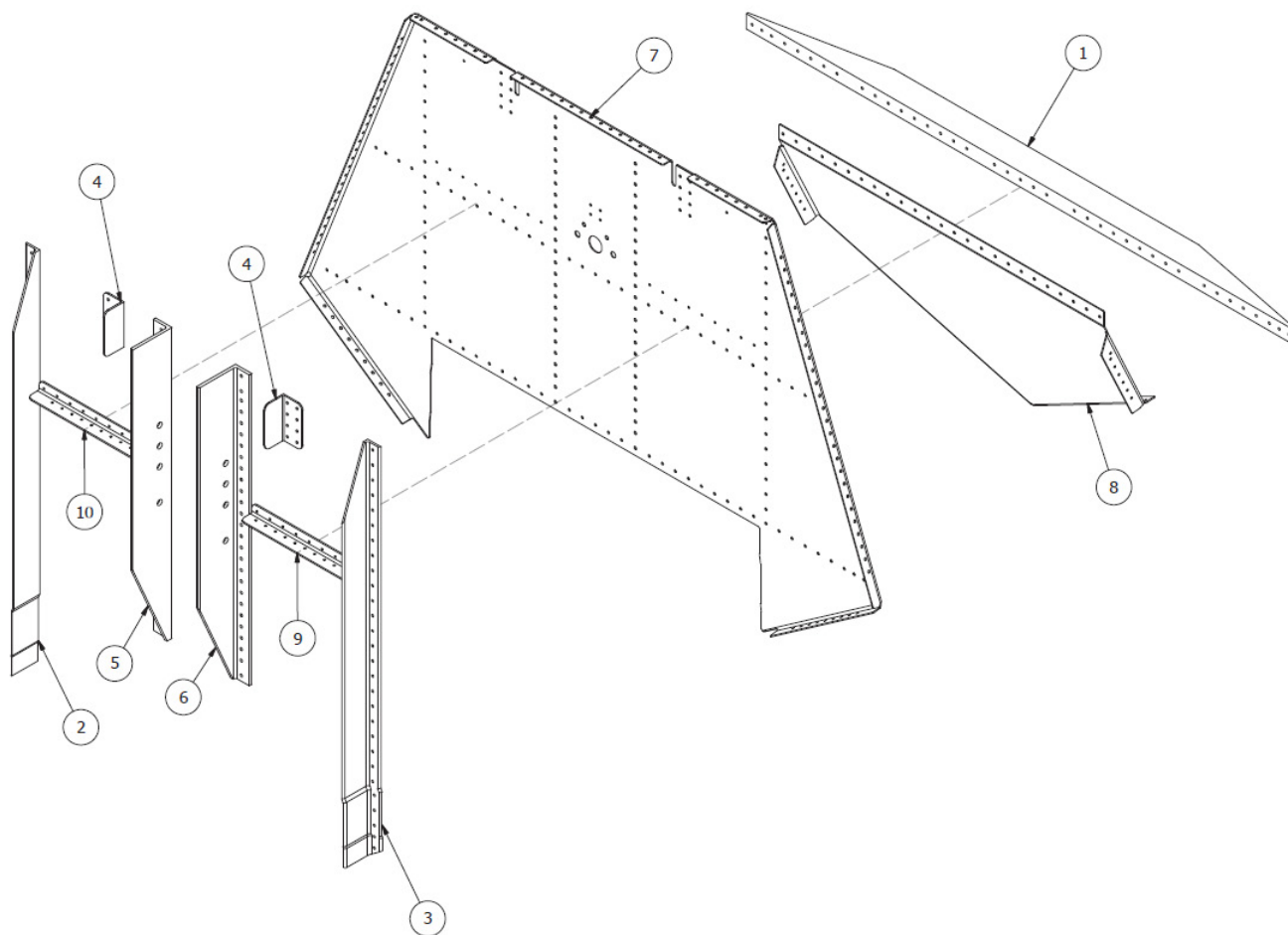
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                                 |
|------|-----|--------------|------------------------------------------------------------------|
| -    | 1   | 1011504      | ASSEMBLY, BULKHEAD #16, RIGHT FLOAT, 10000                       |
| 1    | 1   | 10A01348-028 | ANGLE - UPPER VERT. WHEEL WELL BULKHEAD #16                      |
| 2    | 1   | 10A01348-030 | ANGLE - UPPER VERT. WHEEL WELL BULKHEAD #16                      |
| 3    | 1   | 10A01357-075 | ANGLE, BULKHEAD, VERTICAL TRUNION EXTENSION                      |
| 4    | 1   | 10A01357-078 | ANGLE, BULKHEAD, VERTICAL TRUNION EXTENSION                      |
| 5    | 1   | 10A01382-028 | ANGLE, TOP RAIL MOD. RIGHT                                       |
| 6    | 1   | 10A01428-003 | ANGLE - TRUNNION SUPPORT, LEFT                                   |
| 7    | 1   | 10A01428-004 | ANGLE - TRUNNION SUPPORT, RIGHT                                  |
| 8    | 1   | 13A01150-205 | SHIM, UPPER, #16 BULKHEAD                                        |
| 9    | 1   | 13A01359-170 | HORZ. ANGLE BULKHEAD #16                                         |
| 10   | 2   | 13A01359-179 | ANGLE, BULKHEAD #16                                              |
| 11   | 3   | 13A01382-003 | CLEAT, TOP DECK RAIL                                             |
| 12   | 2   | 13A01427-016 | ANGLE -TRUNION HORIZ STIFFENER, BULKHEAD #16                     |
| 13   | 2   | 1001380      | BRAKE LINE DOUBLER                                               |
| 14   | 1   | 1001433      | PANEL - MAIN STRUT                                               |
| 15   | 1   | 1001434      | PANEL - MAIN STRUT                                               |
| 16   | 1   | 1007953      | ANGLE - ATTACH HORIZ. PANEL BULKHEAD #16                         |
| 17   | 1   | 1007954      | ANGLE - ATTACH HORIZ. PANEL BULKHEAD #16                         |
| 18   | 1   | 1009850      | ASSY, FITTING, MAIN STRUT, FLOAT (P/N 13A01161-002 DISCONTINUED) |
|      | 1   | 1008698      | BUSHING .625 ID                                                  |
|      | 1   | 1012018      | BUSHING, .500 ID                                                 |
| 19   | 1   | 1011498      | DOUBLER                                                          |
| 20   | 1   | 1011511      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000                          |
| 21   | 1   | 1011512      | FLANGE, FLUTE, SUPPORT, BULKHEAD, 10000                          |
| 22   | 1   | 1011513      | DOUBLER, TUNNEL END                                              |
| 23   | 1   | 1011514      | PANEL, FLUTE, 10000                                              |
| 24   | 1   | 1011515      | PANEL, FLUTE, 10000                                              |
| 25   | 1   | 1011516      | PANEL, FLUTE, 10000                                              |
| 26   | 1   | 1011517      | PANEL, FLUTE, 10000                                              |
| 27   | 1   | 1011518      | PANEL, BULKHEAD, 16                                              |
| 28   | 1   | 1011692      | PANEL, MAIN STRUT, INBRD, AFT, RT                                |
| 29   | 1   | 1011694      | PANEL, MAIN STRUT, INBRD, FWD, RT                                |
| 30   | 1   | 1011696      | PANEL, MAIN STRUT, OUTBRD, AFT, RT                               |
| 31   | 1   | 1011698      | PANEL, MAIN STRUT, OUTBRD, FWD, RT                               |
| 32   | 10  | AN5-16A      | BOLT, 5/16-24, 1.3125 GRIP, UNDRILLED, STEEL                     |
| 33   | 2   | AN5-17A      | BOLT, 5/16-24, 1.4375 GRIP, UNDRILLED, STEEL                     |
| 34   | 23  | AN5-20A      | BOLT, 5/16-24, 1.5625 GRIP, UNDRILLED, STEEL                     |
| 35   | 1   | AN5-21A      | BOLT, 5/16-24, 1.6875 GRIP, UNDRILLED, STEEL                     |
| 36   | 2   | AN5-22A      | BOLT, 5/16-24, 1.8125 GRIP, UNDRILLED, STEEL                     |
| 37   | 38  | MS21044N5    | NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF                        |



PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

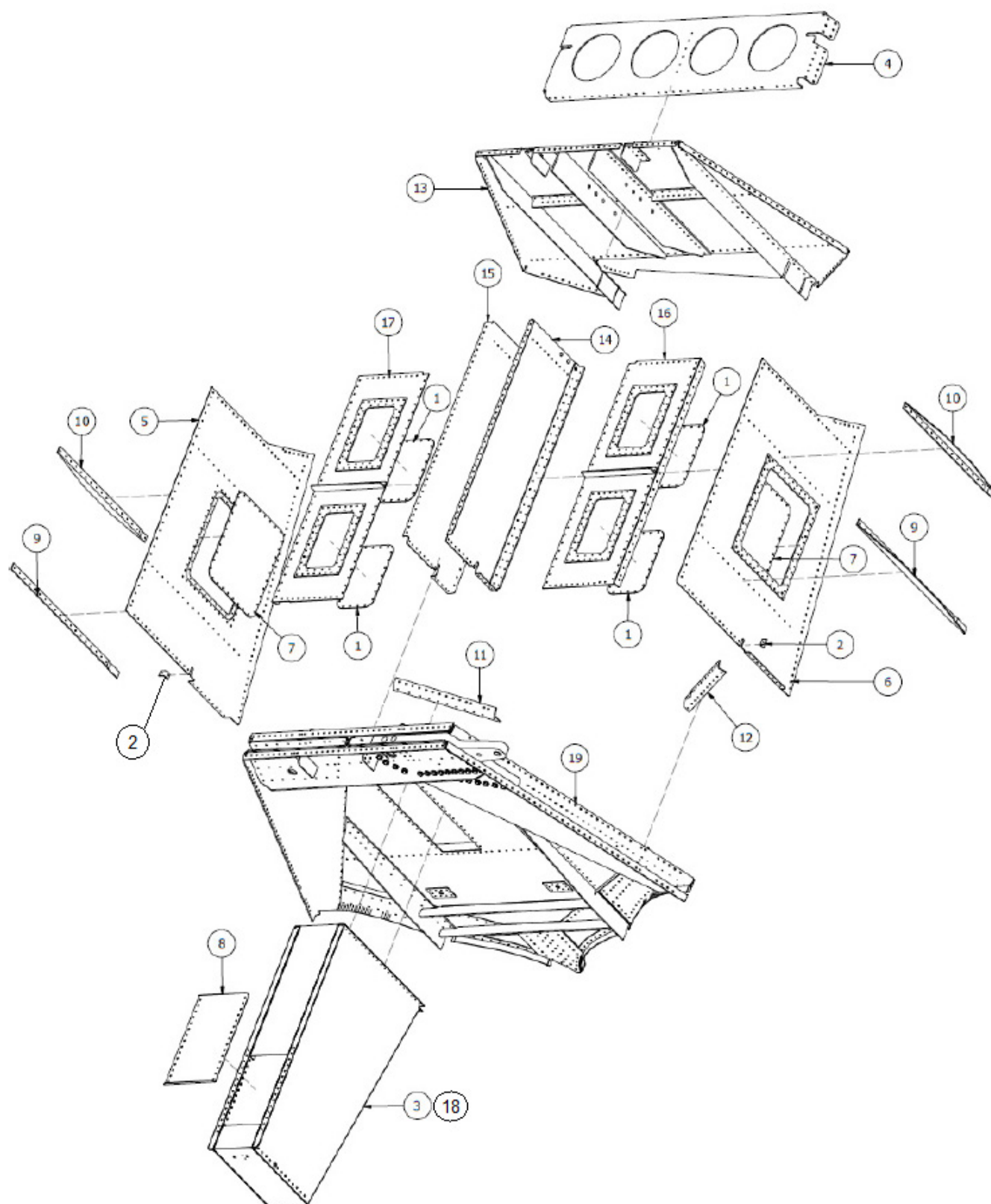
| ITEM | QTY | PART NO.      | PART DESCRIPTION                      |
|------|-----|---------------|---------------------------------------|
| 38   | 12  | NAS1149D0516J | WASHER, 0.328 ID, 0.016 THK, ALUMINUM |
| 39   | 64  | NAS1149D0563J | WASHER, 0.328 ID, 0.063 THK, ALUMINUM |

## BULKHEAD #17



| ITEM | QTY | PART NO.     | PART DESCRIPTION                            |
|------|-----|--------------|---------------------------------------------|
| -    | 1   | 1007936      | ASSEMBLY, BULKHEAD 17, 10000                |
| 1    | 1   | 13A01357-045 | ANGLE, HORIZ. BULKHEAD #17                  |
| 2    | 1   | 13A01357-046 | ANGLE, CARRY THRU ATTACH RH. BULKHEAD #17   |
| 3    | 1   | 13A01357-047 | ANGLE, CARRY THRU ATTACH LH. BULKHEAD #17   |
| 4    | 2   | 13A01382-003 | CLEAT, TOP DECK RAIL                        |
| 5    | 1   | 13A01426-006 | ANGLE, SLIDE TUBE, ATTACH, BULKHEAD #17, RH |
| 6    | 1   | 13A01426-007 | ANGLE, SLIDE TUBE, ATTACH, BULKHEAD #17, LH |
| 7    | 1   | 1007928      | PANEL, BULKHEAD 17                          |
| 8    | 1   | 1007929      | PANEL, LOWER, #17 BULKHEAD                  |
| 9    | 1   | 1007931      | ANGLE, WHEEL WELL BULKHEAD #17              |
| 10   | 1   | 1007932      | ANGLE, WHEEL WELL BULKHEAD #17              |

## WHEEL WELL RIGHT FLOAT

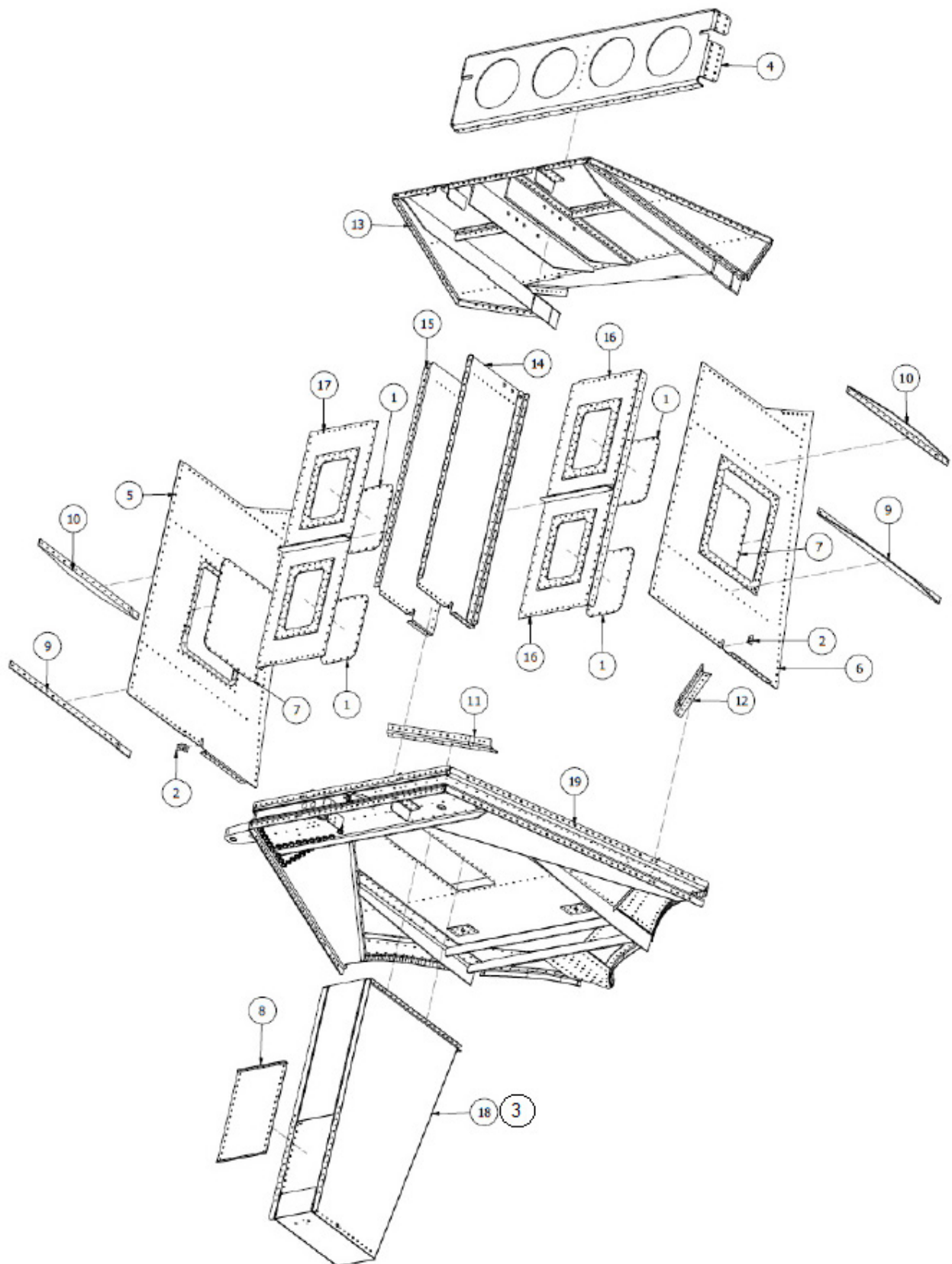


PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.     | PART DESCRIPTION                                                                      |
|------|-----|--------------|---------------------------------------------------------------------------------------|
| -    | 1   | 1011706      | ASSEMBLY, WHEEL WELL, RIGHT FLOAT, 10000                                              |
| 1    | 4   | 6A01158-151  | COVER, INSPECTION, WHEELWELL, LARGE                                                   |
| 2    | 2   | 6A01339-047  | ANGLE, STATION 13                                                                     |
| 3    | 1   | 10A01000-434 | ASSEMBLY, TUNNEL, MAIN GEAR RETRACT, 10000 (SERIAL NUMBERS 10165A & 10166A AND PRIOR) |
| 4    | 1   | 10A01000-435 | ASS'Y PANEL - HORIZ. #17 BULKHEAD                                                     |
| 5    | 1   | 10A01000-436 | ASSY, WHEEL WELL HALF, UPPER, RIGHT                                                   |
| 6    | 1   | 10A01000-437 | ASSY, WHEEL WELL HALF, UPPER, LEFT                                                    |
| 7    | 2   | 13A01150-130 | COVER, INSPECTION, WHEELWELL, LARGE                                                   |
| 8    | 1   | 13A01158-147 | COVER, TUNNEL, 13000                                                                  |
| 9    | 2   | 13A01359-187 | ANGLE                                                                                 |
| 10   | 2   | 13A01359-188 | ANGLE                                                                                 |
| 11   | 1   | 1001064      | ANGLE, STIFFENER, RIGHT                                                               |
| 12   | 1   | 1001065      | ANGLE, STIFFENER, LEFT                                                                |
| 13   | 1   | 1007936      | ASSEMBLY, BULKHEAD 17, 10000                                                          |
| 14   | 1   | 1007937      | ASSEMBLY, PANEL, WHEEL WELL, VERT, UPPER, LH                                          |
| 15   | 1   | 1007938      | ASSEMBLY, PANEL, WHEEL WELL, VERT, UPPER, RH                                          |
| 16   | 1   | 1007939      | ASSEMBLY, PANEL, WHEEL WELL, HORIZ, LH                                                |
| 17   | 1   | 1007940      | ASSEMBLY, PANEL, WHEEL WELL, HORIZ, RH                                                |
| 18   | 1   | 1011130      | ASSEMBLY, TUNNEL, MAIN GEAR RETRACT, 10000 (SERIAL NUMBERS 10167A & 10168A AND LATER) |
| 19   | 1   | 1011504      | ASSEMBLY, BULKHEAD 16, RIGHT FLOAT, 10000 (SERIAL NUMBERS 10269A & 10270A AND LATER)  |

## WHEEL WELL LEFT FLOAT

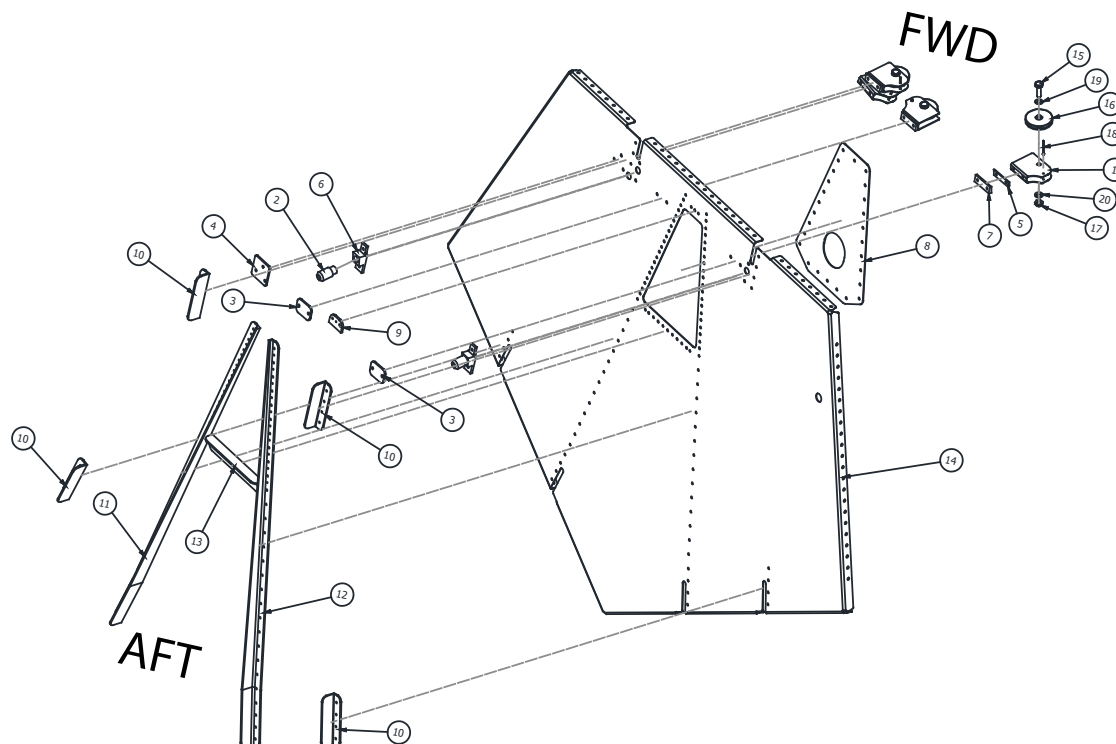


PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

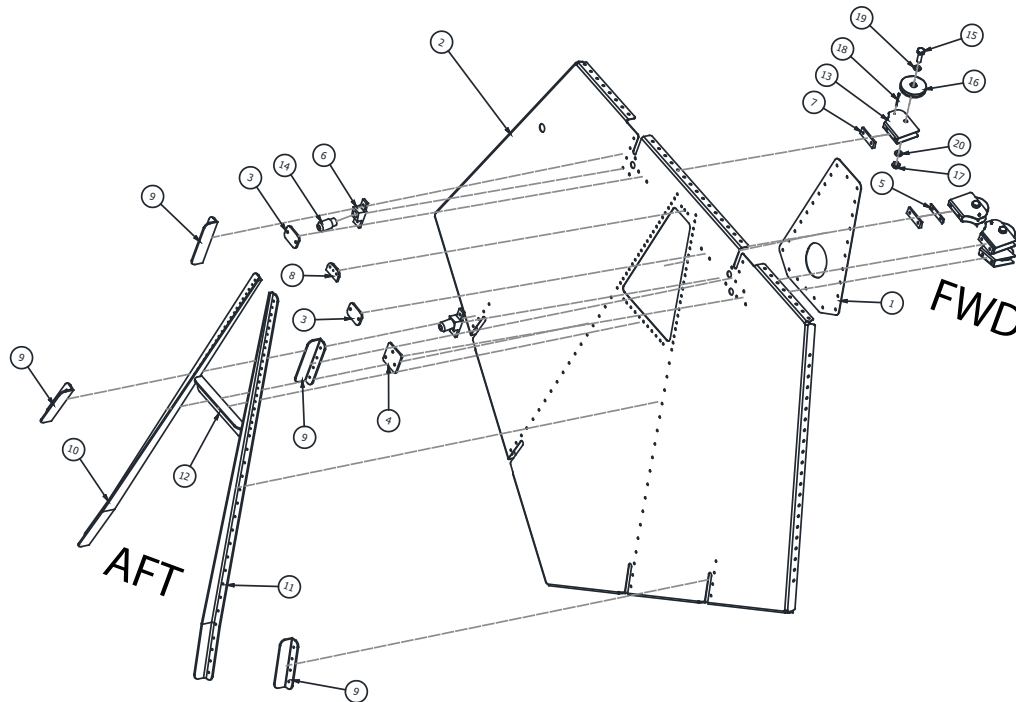
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                                                      |
|------|-----|--------------|---------------------------------------------------------------------------------------|
| -    | 1   | 1011705      | ASSEMBLY, WHEEL WELL, LEFT FLOAT, 10000                                               |
| 1    | 4   | 6A01158-151  | COVER, INSPECTION, WHEELWELL, LARGE                                                   |
| 2    | 2   | 6A01339-047  | ANGLE, STATION 13                                                                     |
| 3    | 1   | 10A01000-434 | ASSEMBLY, TUNNEL, MAIN GEAR RETRACT, 10000 (SERIAL NUMBERS 10165A & 10166A AND PRIOR) |
| 4    | 1   | 10A01000-435 | ASS'Y PANEL - HORIZ. #17 BULKHEAD                                                     |
| 5    | 1   | 10A01000-436 | ASSY, WHEEL WELL HALF, UPPER, RIGHT                                                   |
| 6    | 1   | 10A01000-437 | ASSY, WHEEL WELL HALF, UPPER, LEFT                                                    |
| 7    | 2   | 13A01150-130 | COVER, INSPECTION, WHEELWELL, LARGE                                                   |
| 8    | 1   | 13A01158-147 | COVER, TUNNEL, 13000                                                                  |
| 9    | 2   | 13A01359-187 | ANGLE                                                                                 |
| 10   | 2   | 13A01359-188 | ANGLE                                                                                 |
| 11   | 1   | 1001064      | ANGLE, STIFFENER, RIGHT                                                               |
| 12   | 1   | 1001065      | ANGLE, STIFFENER, LEFT                                                                |
| 13   | 1   | 1007936      | ASSEMBLY, BULKHEAD 17, 10000                                                          |
| 14   | 1   | 1007937      | ASSEMBLY, PANEL, WHEEL WELL, VERT, UPPER, LH                                          |
| 15   | 1   | 1007938      | ASSEMBLY, PANEL, WHEEL WELL, VERT, UPPER, RH                                          |
| 16   | 1   | 1007939      | ASSEMBLY, PANEL, WHEEL WELL, HORIZ, LH                                                |
| 17   | 1   | 1007940      | ASSEMBLY, PANEL, WHEEL WELL, HORIZ, RH                                                |
| 18   | 1   | 1011130      | ASSEMBLY, TUNNEL, MAIN GEAR RETRACT, 10000 (SERIAL NUMBERS 10167A & 10168A AND LATER) |
| 19   | 1   | 1011503      | ASSEMBLY, BULKHEAD 16, LEFT FLOAT, 10000 (SERIAL NUMBERS 10269A & 10270A AND LATER)   |

## BULKHEAD #18 RIGHT FLOAT



| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| -    | 1   | 1001072       | ASSEMBLY, BULKHEAD #18, RIGHT FLOAT, 10000  |
| 1    | 4   | 3A01151-010   | PULLEY BRACKET                              |
| 2    | 2   | 3A08605-001   | CABLE GUIDE                                 |
| 3    | 2   | 10A01156-174  | BACK - PULLEY BRACKET                       |
| 4    | 1   | 10A01156-175  | CLUSTER BRACKET - PULLEY                    |
| 5    | 1   | 10A01156-179  | REINFORCEMENT, PULLEY                       |
| 6    | 2   | 10A08183-007  | GUIDE - PULLEY BRACKET                      |
| 7    | 3   | 10A08200-008  | SHIM - PULLEY MOUNT                         |
| 8    | 1   | 13A01150-091  | COVER - BULKHEAD #18                        |
| 9    | 1   | 13A01160-012  | DOUBLER - COVER ATTACH                      |
| 10   | 4   | 13A01359-124  | ANGLE, TOP RAIL ATTACH                      |
| 11   | 1   | 13A01359-135  | ANGLE, STIFFENER, BULK 18, RIGHT            |
| 12   | 1   | 13A01359-136  | ANGLE, STIFFENER, BULK 18, LEFT             |
| 13   | 1   | 13A01359-166  | ANGLE, COVER, BULK 18                       |
| 14   | 1   | 1001070       | BULKHEAD # 18, FORMED, RIGHT                |
| 15   | 4   | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
| 16   | 4   | MS20219-2     | PULLEY                                      |
| 17   | 4   | MS21083N4     | NUT, LOCKING, LOW HEIGHT, 1/4-28 UNF        |
| 18   | 4   | MS24665-136   | COTTER PIN                                  |
| 19   | 4   | NAS1149D0416J | WASHER, 0.265 ID, 0.016 THK, ALUMINUM       |
| 20   | 4   | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM       |

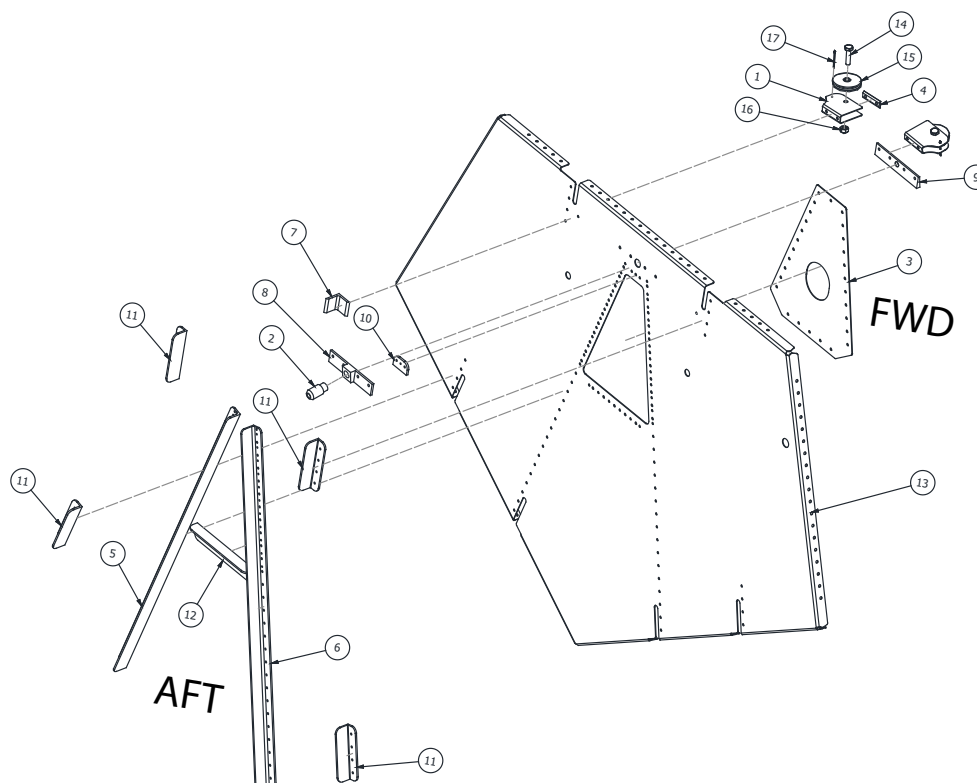
## BULKHEAD #18 LEFT FLOAT



| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| -    | 1   | 1001071       | ASSEMBLY, BULKHEAD #18, LEFT FLOAT, 10000   |
| 1    | 1   | 13A01150-091  | COVER - BULKHEAD #18                        |
| 2    | 1   | 1001069       | BULKHEAD PANEL #18                          |
| 3    | 2   | 10A01156-174  | BACK - PULLEY BRACKET                       |
| 4    | 1   | 10A01156-175  | CLUSTER BRACKET - PULLEY                    |
| 5    | 1   | 10A01156-179  | REINFORCEMENT, PULLEY                       |
| 6    | 2   | 10A08183-007  | GUIDE - PULLEY BRACKET                      |
| 7    | 3   | 10A08200-008  | SHIM - PULLEY MOUNT                         |
| 8    | 1   | 13A01160-012  | DOUBLER - COVER ATTACH                      |
| 9    | 4   | 13A01359-124  | ANGLE, TOP RAIL ATTACH                      |
| 10   | 1   | 13A01359-135  | ANGLE, STIFENER, BULK 18, RIGHT             |
| 11   | 1   | 13A01359-136  | ANGLE, STIFFENER, BULK 18, LEFT             |
| 12   | 1   | 13A01359-166  | ANGLE, COVER, BULK 18                       |
| 13   | 4   | 3A01151-010   | PULLEY BRACKET                              |
| 14   | 2   | 3A08605-001   | CABLE GUIDE                                 |
| 15   | 4   | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
| 16   | 4   | MS20219-2     | PULLEY                                      |
| 17   | 4   | MS21083N4     | NUT, LOCKING, LOW HEIGHT, 1/4-28 UNF        |
| 18   | 4   | MS24665-136   | COTTER PIN                                  |
| 19   | 4   | NAS1149D0416J | WASHER, 0.265 ID, 0.016 THK, ALUMINUM       |
| 20   | 4   | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM       |

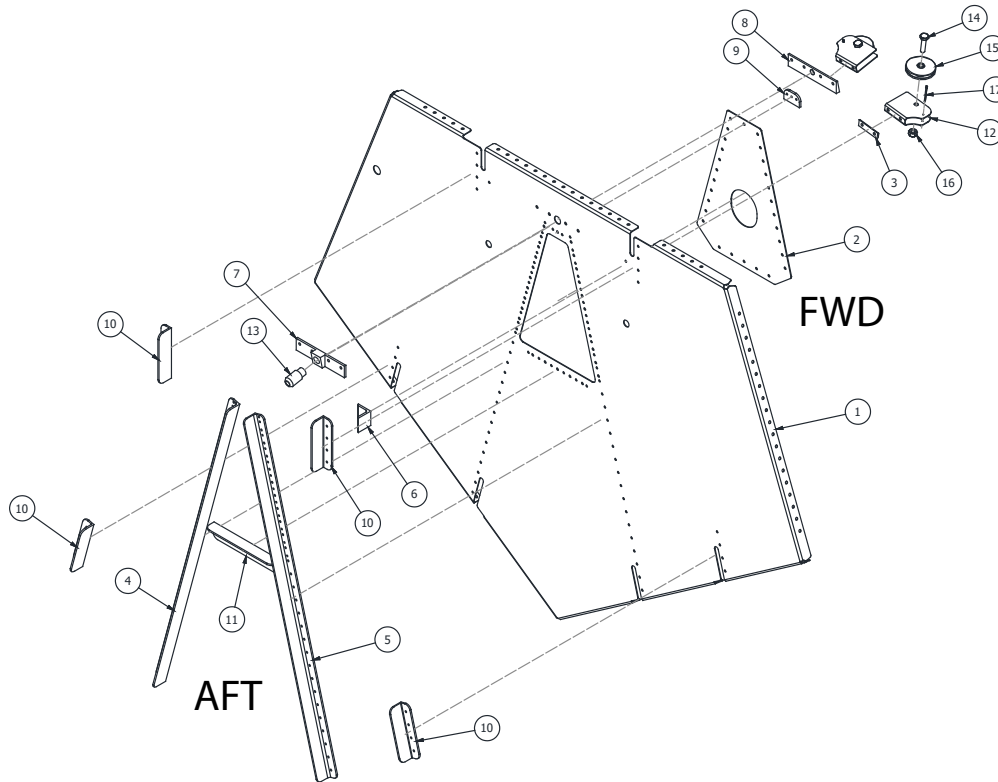


## BULKHEAD #19 RIGHT FLOAT



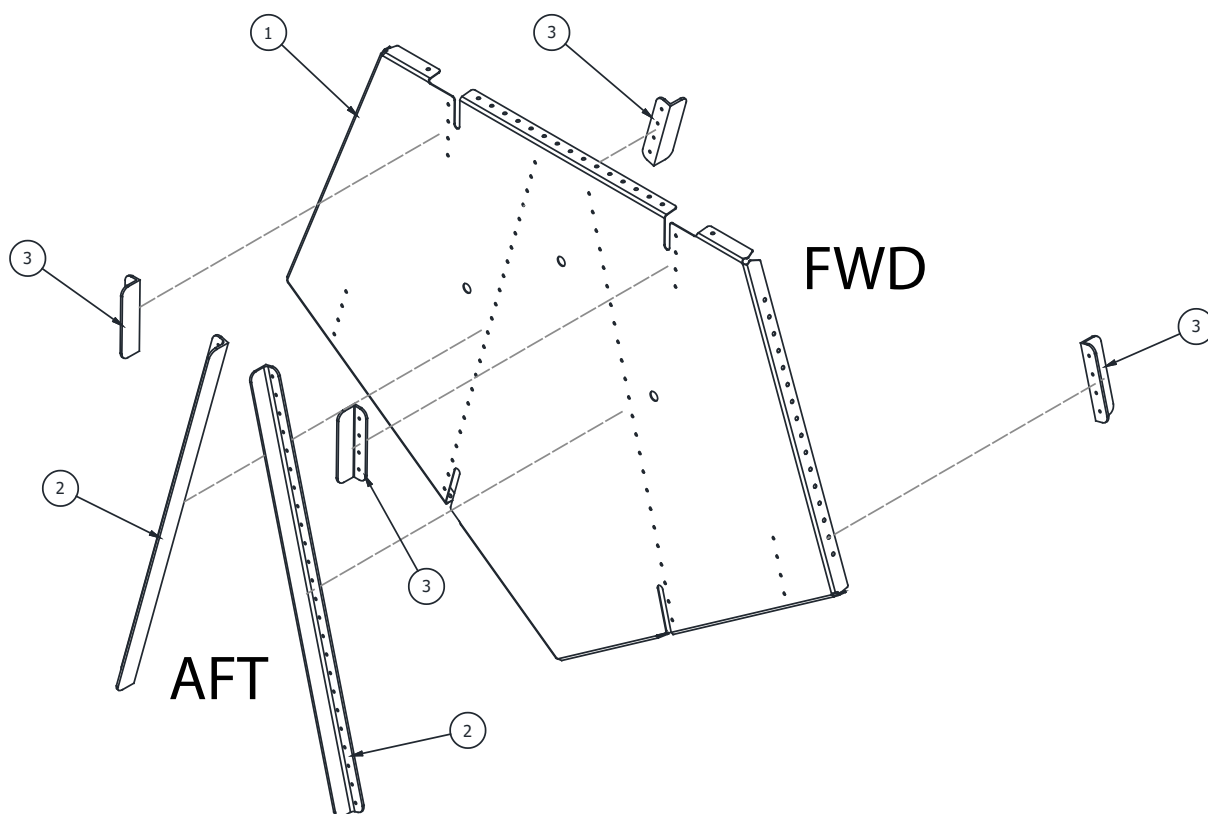
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                            |
|------|-----|--------------|-------------------------------------------------------------|
| -    | 1   | 1001454      | ASSEMBLY, BULKHEAD #19, RIGHT FLOAT, 10000                  |
| 1    | 2   | 3A01151-010  | BRACKET PULLEY                                              |
| 2    | 1   | 3A08605-001  | CABLE GUIDE                                                 |
| 3    | 1   | 10A01150-187 | COVER, ACCESS HOLE, BULKHEAD #19                            |
| 4    | 1   | 10A01156-179 | REINFORCEMENT, PULLEY                                       |
| 5    | 1   | 10A01359-232 | ANGLE, STIFFENER #19 BULK, RIGHT                            |
| 6    | 1   | 10A01359-247 | ANGLE, VERTICAL SUPPORT #19 LEFT                            |
| 7    | 1   | 10A01427-042 | ANGLE, #19 BULK                                             |
| 8    | 1   | 10A08033-004 | GUIDE, RETRACT PULLEY BRACKET                               |
| 9    | 1   | 10A08205-009 | SHIM, PULLEY MOUNT                                          |
| 10   | 1   | 13A01160-012 | DOUBLER, STN. #18                                           |
| 11   | 4   | 13A01359-124 | ANGLE, TOP RAIL ATTACH                                      |
| 12   | 1   | 13A01359-166 | ANGLE, COVER, BULK 18                                       |
| 13   | 1   | 1001449      | PANEL, BULKHEAD #19, RIGHT                                  |
| 14   | 2   | AN4-10A      | BOLT, THRD 1/4-28, LNGTH +/- 1/64 - 1-1/32, GRIP LNGTH 9/16 |
| 15   | 2   | MS20219-2    | PULLEY CABLE 1/16 & 3/32, 480 LBS, OD DIA 1-3/4" ID 1/4"    |
| 16   | 2   | MS21044N4    | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28           |
| 17   | 2   | MS24665-136  | PIN, COTTER, 1/16" X 1" CAD STEEL                           |

## BULKHEAD #19 LEFT FLOAT



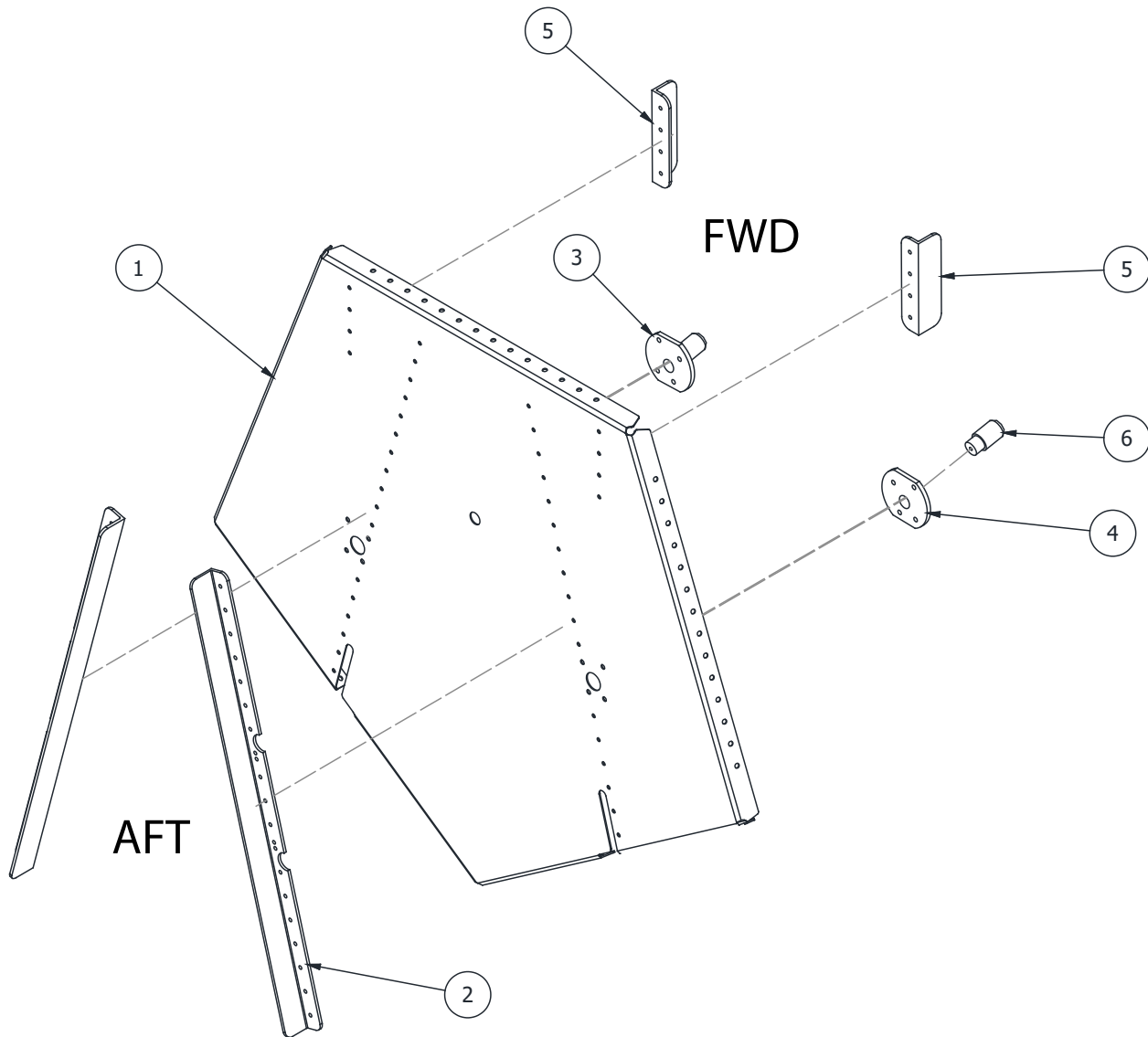
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                            |
|------|-----|--------------|-------------------------------------------------------------|
| -    | 1   | 1001453      | ASSEMBLY, BULKHEAD #19, LEFT FLOAT, 10000                   |
| 1    | 1   | 1001448      | PANEL, BULKHEAD #19, LEFT                                   |
| 2    | 1   | 10A01150-187 | COVER, ACCESS HOLE, BULKHEAD #19                            |
| 3    | 1   | 10A01156-179 | REINFORCEMENT, PULLEY                                       |
| 4    | 1   | 10A01359-232 | ANGLE, STIFFENER #19 BULK, RIGHT                            |
| 5    | 1   | 10A01359-247 | ANGLE, VERTICAL SUPPORT #19 LEFT                            |
| 6    | 1   | 10A01427-042 | ANGLE, #19 BULK                                             |
| 7    | 1   | 10A08033-004 | GUIDE, RETRACT PULLEY BRACKET                               |
| 8    | 1   | 10A08205-009 | SHIM, PULLEY MOUNT                                          |
| 9    | 1   | 13A01160-012 | DOUBLER, STN. #18                                           |
| 10   | 4   | 13A01359-124 | ANGLE, TOP RAIL ATTACH                                      |
| 11   | 1   | 13A01359-166 | ANGLE, COVER, BULK 18                                       |
| 12   | 2   | 3A01151-010  | BRACKET PULLEY                                              |
| 13   | 1   | 3A08605-001  | CABLE GUIDE                                                 |
| 14   | 2   | AN4-10A      | BOLT, THRD 1/4-28, LNGTH +/- 1/64 - 1-1/32, GRIP LNGTH 9/16 |
| 15   | 2   | MS20219-2    | PULLEY CABLE 1/16 & 3/32, 480 LBS, OD DIA 1-3/4" ID 1/4"    |
| 16   | 2   | MS21044N4    | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28           |
| 17   | 2   | MS24665-136  | PIN, COTTER, 1/16" X 1" CAD STEEL                           |

## BULKHEAD #20



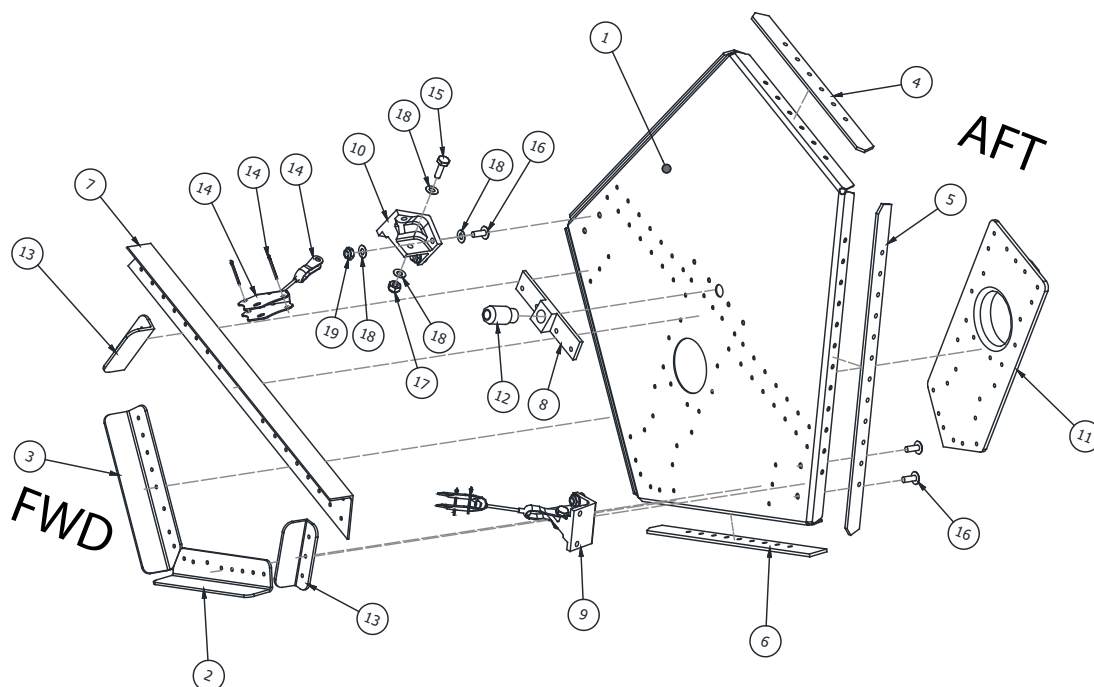
| ITEM | QTY | PART NO.     | PART DESCRIPTION              |
|------|-----|--------------|-------------------------------|
| -    | 1   | 10A01000-411 | ASSEMBLY BULKHEAD #20, 10000  |
| 1    | 1   | 10A01150-160 | BULKHEAD #20                  |
| 2    | 2   | 10A01359-233 | ANGLE, STIFFENER #20 BULKHEAD |
| 3    | 4   | 13A01359-124 | ANGLE, TOP RAIL ATTACH        |

## BULKHEAD #21



| ITEM | QTY | PART NO.     | PART DESCRIPTION              |
|------|-----|--------------|-------------------------------|
| -    | 1   | 10A01000-412 | ASSEMBLY BULKHEAD #21, 10000  |
| 1    | 1   | 10A01150-161 | BULKHEAD PANEL #21            |
| 2    | 2   | 10A01359-234 | ANGLE, STIFFENER #21 BULKHEAD |
| 3    | 1   | 10A08251-004 | PULLEY BRACKET GUIDE (RIGHT)  |
| 4    | 1   | 10A08251-005 | PULLEY BRACKET GUIDE (LEFT)   |
| 5    | 2   | 13A01359-124 | ANGLE, TOP RAIL ATTACH        |
| 6    | 2   | 3A8605-001   | CABLE GUIDE                   |

## BULKHEAD #22



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                |
|------|-----|---------------|-------------------------------------------------|
| -    | 1   | 1002681       | ASSEMBLY BULKHEAD #22, 10000                    |
| 1    | 1   | 1002680       | BULKHEAD, PANEL, #22                            |
| 2    | 1   | 1005627       | ANGLE, STIFFENER, WATER RUDDER, PIVOT           |
| 3    | 1   | 1005628       | ANGLE, STIFFENER, WATER RUDDER, PIVOT           |
| 4    | 1   | 10A01156-171  | SPACER, #22, TOP                                |
| 5    | 2   | 10A01156-172  | SPACER, #22, SIDE                               |
| 6    | 2   | 10A01156-173  | SPACER, #22, BOTTOM                             |
| 7    | 1   | 10A01352-044  | ANGLE - STIFFENER - BULKHEAD # 22               |
| 8    | 1   | 10A08033-004  | GUIDE - PULLEY BRACKET MOUNT                    |
| 9    | 1   | 10A08225-003  | BRACKET, PULLEY, LH                             |
| 10   | 1   | 10A08225-004  | BRACKET, PULLEY, AFT BULKHEAD, RH               |
| 11   | 1   | 3A01437-001   | ASSEMBLY, MOUNT, PIVOT, WATER RUDDER            |
| 12   | 1   | 3A08605-001   | CABLE GUIDE                                     |
| 13   | 2   | 6A01359-004   | ANGLE - SUPPORT                                 |
| 14   | 2   | 8A08000-043   | ASSEMBLY, PULLEY BRACKET                        |
| 15   | 2   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED STEEL         |
| 16   | 4   | AN526-1032R8  | SCREW, TRUSS HEAD, NON STRUCTURAL, CAD 1, STEAL |
| 17   | 2   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF         |
| 18   | 12  | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM           |
| 19   | 4   | NAS679-A3W    | KAYNAR NUT                                      |

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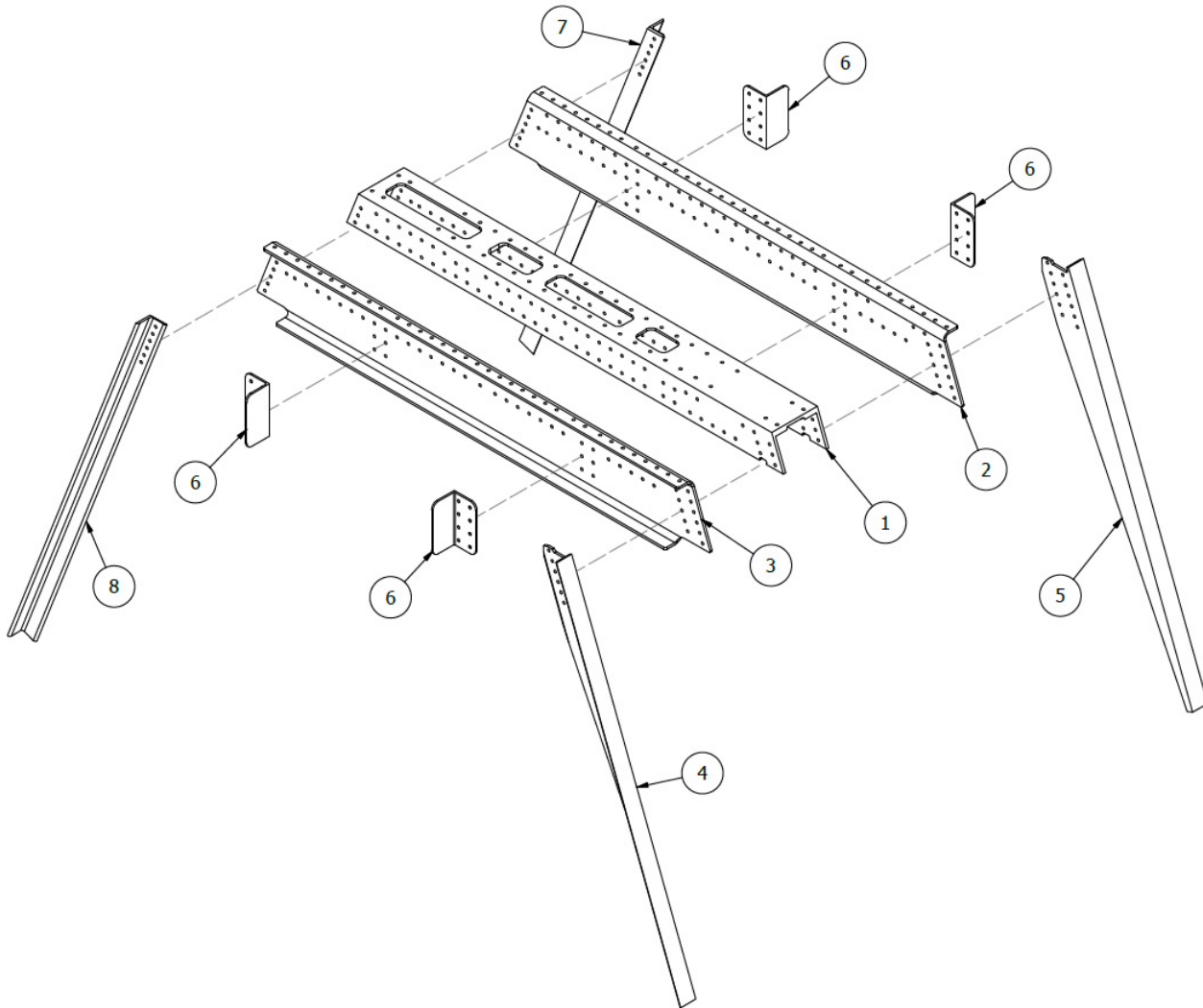
## SECTION 2

# FLOAT STRUCTURE

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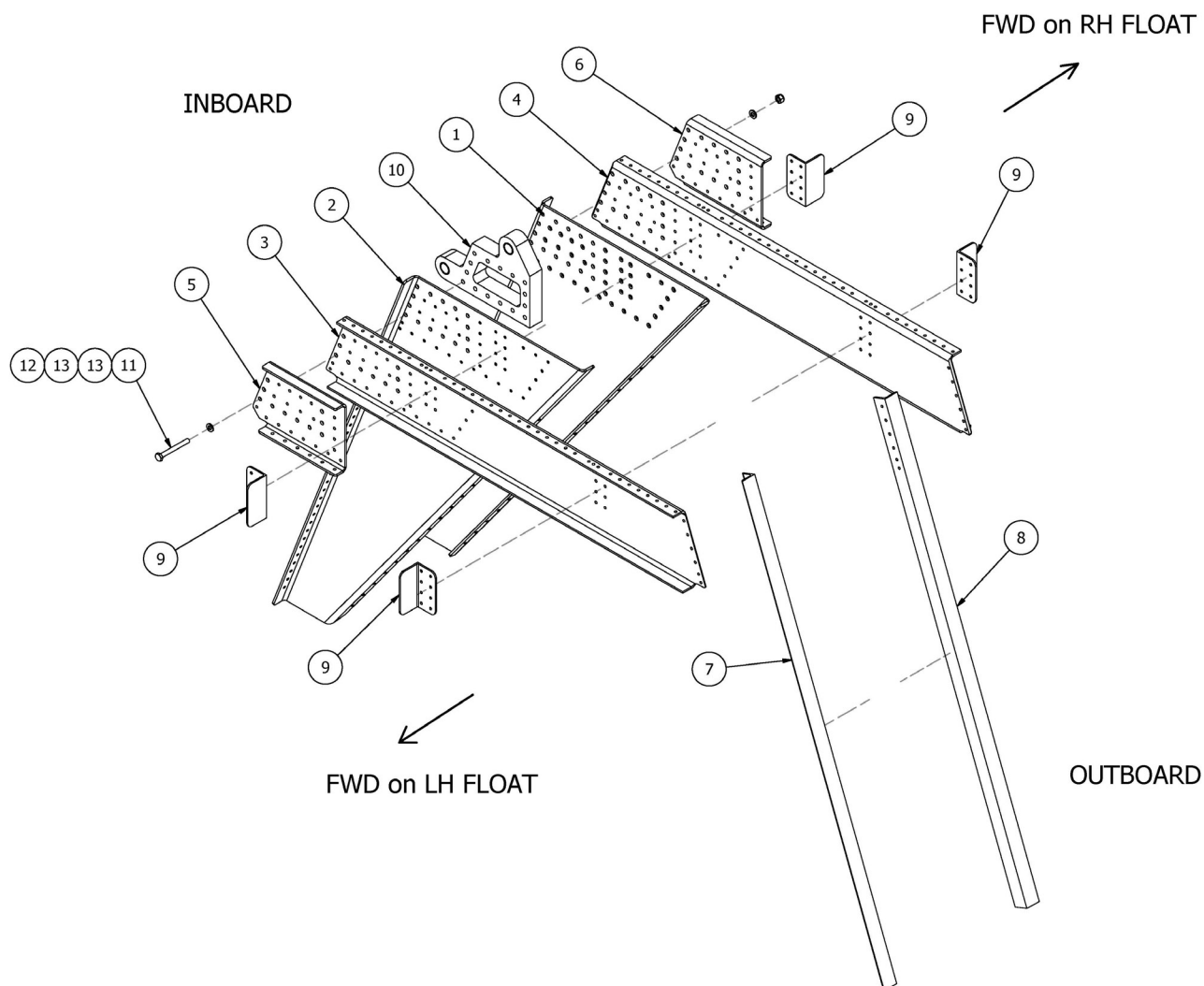
## ASSEMBLY, DRAG STRUT, ATTACH



| ITEM | QTY | PART NO.     | PART DESCRIPTION                                                             |
|------|-----|--------------|------------------------------------------------------------------------------|
| -    | 1   | 1012080      | ASSEMBLY, DRAG STRUT, ATTACH, 10000 (REPLACES 10A01000-446 AND 10A01000-447) |
| 1    | 1   | 1011686      | CHANNEL, DRAG STRUT ATTACH (REPLACES 13A01374-001)                           |
| 2    | 1   | 1012078      | PANEL, STRUT, DRAG BRACE, 10000                                              |
| 3    | 1   | 1012079      | PANEL, STRUT, DRAG BRACE, 10000                                              |
| 4    | 1   | 10A01357-081 | ANGLE, ARM, REAR STRUT SUPPORT, RH                                           |
| 5    | 1   | 10A01357-082 | ANGLE, ARM, REAR STRUT SUPPORT, LH                                           |
| 6    | 4   | 13A01382-003 | CLEAT, TOP DECK RAIL                                                         |
| 7    | 1   | 13A01427-017 | ARM - SPREADER BAR - FRONT                                                   |
| 8    | 1   | 13A01427-018 | ARM, SPREADER BAR, FORWARD                                                   |



## PANEL FORWARD SUPER ASSEMBLY & FRONT STRUT FLOAT FITTING

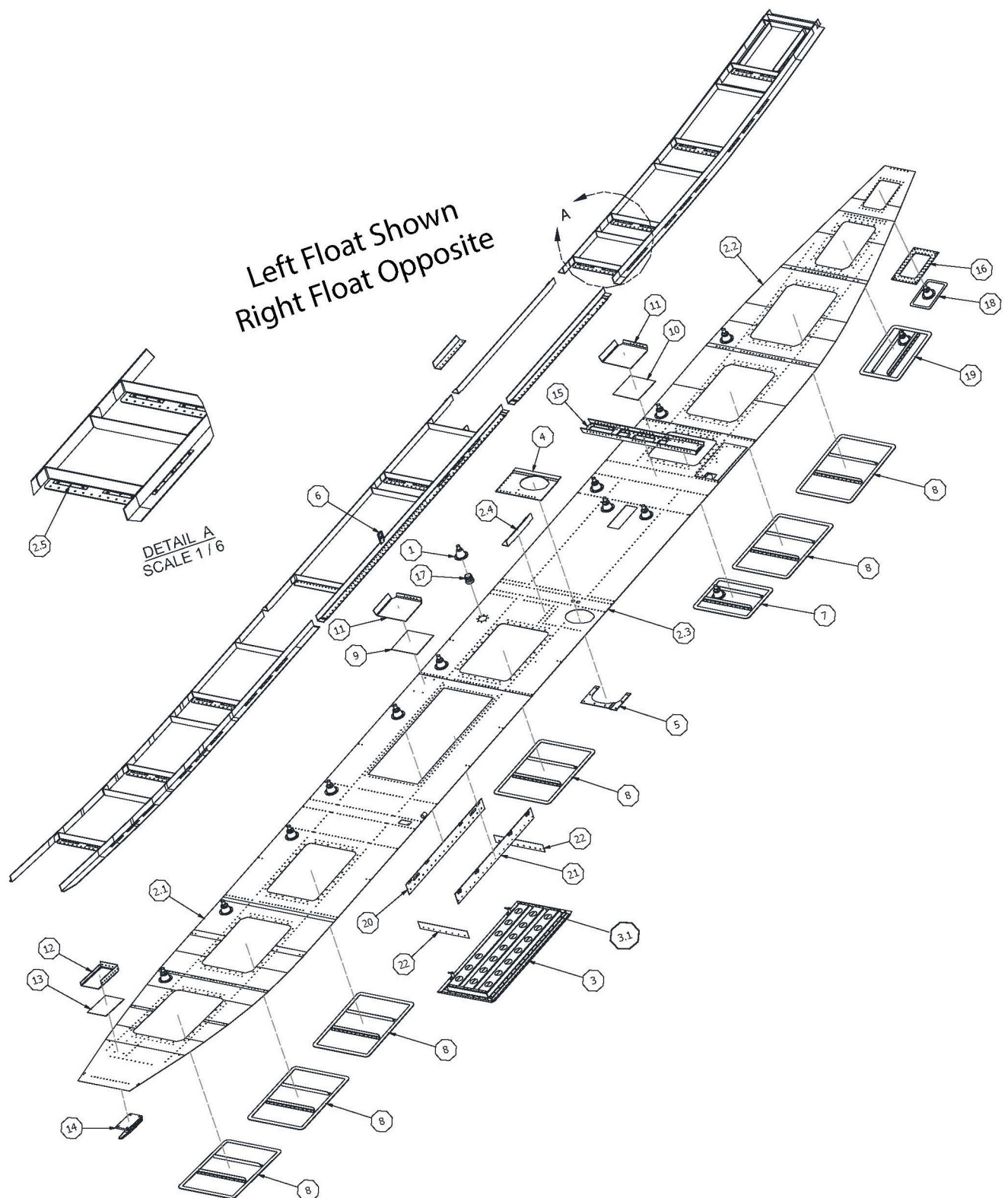


| ITEM | QTY | PART NO.     | PART DESCRIPTION                |
|------|-----|--------------|---------------------------------|
| -    | 1   | 10A01000-445 | PANEL, FWD SUPER ASSEMBLY       |
| 1    | 1   | 1001672      | SUPERPANEL, FWD                 |
| 2    | 1   | 1001673      | SUPERPANEL, FWD                 |
| 3    | 1   | 1001674      | PANEL, SPREADER BAR, BIG SIDE   |
| 4    | 1   | 1001675      | PANEL, SPREADER BAR, SMALL SIDE |
| 5    | 1   | 1005020      | DOUBLER, PANEL, SPREADER BAR    |
| 6    | 1   | 1005021      | DOUBLER, PANEL, SPREADER BAR    |
| 7    | 1   | 10A01427-033 | ANGLE - FWD SPR BAR (#21 HOLES) |
| 8    | 1   | 10A01427-034 | ANGLE - FWD SPR BAR (#21 HOLES) |
| 9    | 4   | 13A01382-003 | CLEAT, TOP DECK RAIL            |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                              |
|------|-----|---------------|---------------------------------------------------------------|
| 10*  | 1   | 1009849       | ASSEMBLY, FITTING, FLOAT, FRONT STRUT (REPLACES 13A01082-001) |
| -    | 1   | 1009846       | FITTING, FLOAT, FRONT STRUT                                   |
| -    | 2   | 1008698       | BUSHING, 0.625" ID                                            |
| 11*  | 15  | AN4-22A       | BOLT, 1/4-28 THREAD, 1-13/16" GRIP                            |
| 12*  | 15  | MS21044N4     | NUT, 1/4-28, HEX LOCKING                                      |
| 13*  | 30  | NAS1149F0463P | WASHER, FLAT, 1/4"                                            |

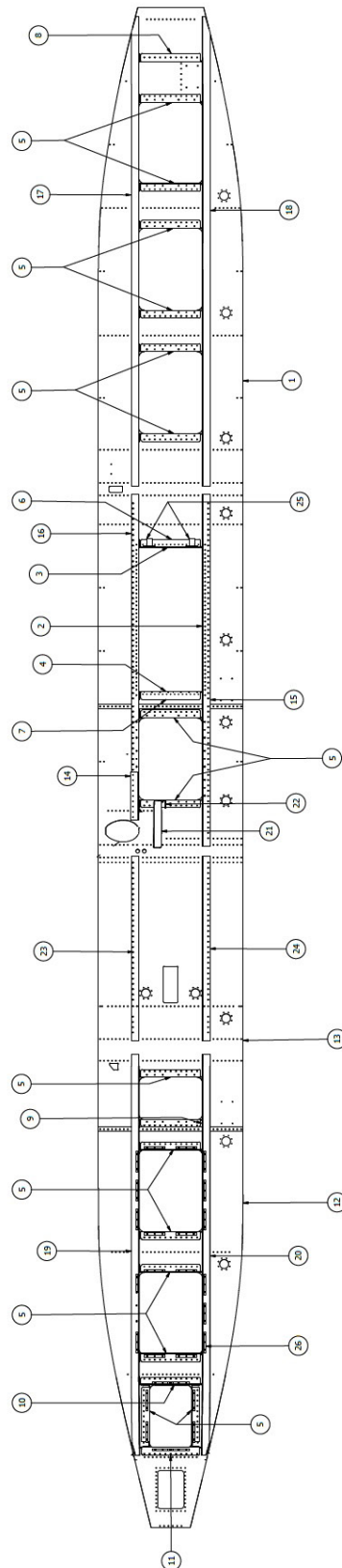
\* These items are not included in the Super Panel Assembly (10A01000-445).

## TOP SKINS LEFT AND RIGHT FLOATS



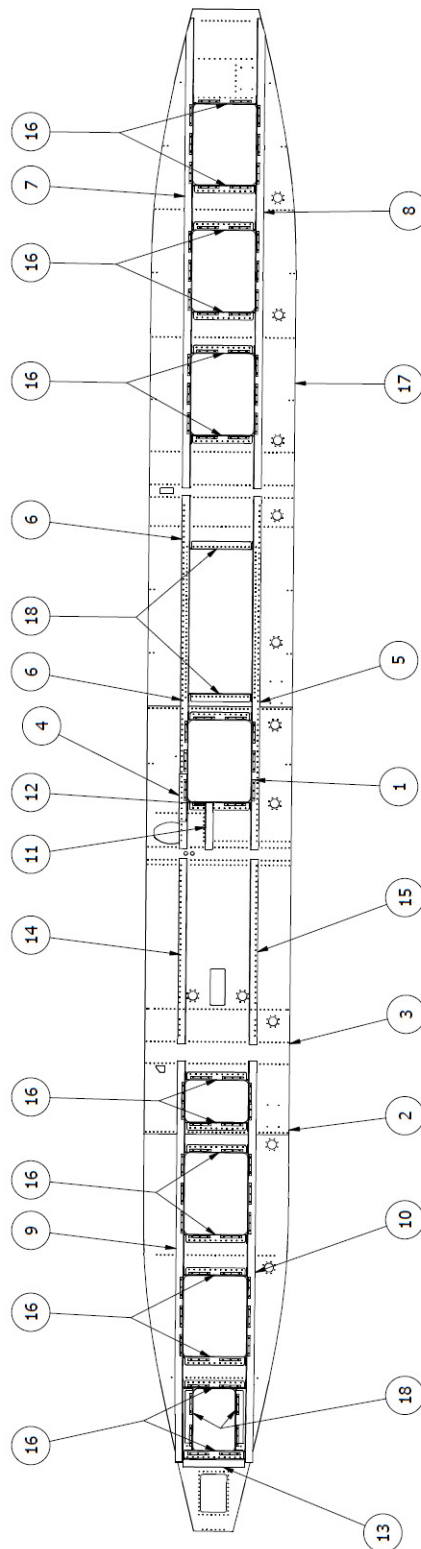
| ITEM    | QTY | PART NO.     | PART DESCRIPTION                                    |
|---------|-----|--------------|-----------------------------------------------------|
| 1       | A/R | 1011004      | ASSEMBLY, CUP, PUMPOUT, DUCKBILL                    |
|         | A/R | 4A01749-001  | CUP, PUMP OUT                                       |
|         | A/R | 1011808      | RETAINER, VALVE, DUCKBILL, PUMPOUT PLUG             |
| 2.1 LT. | 1   | 1002042      | SKIN, TOP FWD, LEFT                                 |
| 2.1 RT. | 1   | 1002048      | SKIN, TOP FWD, RIGHT                                |
| 2.2 LT. | 1   | 10A01150-179 | SKIN, TOP, AFT, LEFT                                |
| 2.2 RT. | 1   | 10A01150-164 | SKIN, TOP, AFT, RIGHT                               |
| 2.3 LT. | 1   | 10A01163-105 | SKIN, TOP, MID, LEFT, 10000                         |
| 2.3 RT. | 1   | 10A01163-108 | SKIN, TOP, MID, RIGHT, 10000                        |
| 2.4 LT. | 1   | 10A01382-027 | RAIL - TOP SKIN W/B LEFT                            |
| 2.4 RT. | 1   | 10A01382-003 | RAIL - TOP SKIN W/B RIGHT                           |
| 2.5     | A/R | 9A3-671      | TINNERMAN, ACCESS COVER                             |
| 3       | 2   | 10A01000-464 | BAGGAGE DOOR (SEE DETAIL A)                         |
| 3.1     | 1   | 1009671      | GASKET, DOOR SEAL                                   |
| 4       | 2   | 10A01001-068 | DOUBLER, TOP RAIL LEFT, 10000                       |
| 5 LT.   | 1   | 10A01592-005 | FLANGE, FLOAT DECK, SCOOP TUBE, LH                  |
| 5 RT.   | 1   | 10A01592-004 | FLANGE, FLOAT DECK, SCOOP TUBE, RH                  |
| 6       | 2   | 10A12154-017 | CLIP - FOAM TANK WIRING                             |
| 7       | 2   | 13A01000-210 | ASSEMBLY, COVER, INSPECTION, SMALL                  |
|         | 1   | 13A01567-009 | COVER SEAL, 9.63" X 13.56"                          |
| 8       | 12  | 13A01000-211 | ASSEMBLY, COVER, INSPECTION, LARGE                  |
|         | 1   | 13A01567-010 | COVER SEAL, 13.69" X 17.16"                         |
| 9       | 2   | 13A01155-006 | SHIM, HARD POINT, AFT, MIDDLE                       |
| 10      | 2   | 13A01155-025 | SHIM, HARD POINT, AFT, MIDDLE                       |
| 11      | 2   | 13A01156-091 | HARD POINT, AFT, MIDDLE, LH                         |
| 12 LT.  | 1   | 13A01156-119 | HARD POINT, FRONT TIE DOWN, LH                      |
| 12 RT.  | 1   | 13A01156-120 | HARD POINT, FRONT TIE DOWN, RH                      |
| 13      | 2   | 13A01157-007 | SHIM - FRONT TIE DOWN, HARD POINT                   |
| 14      | 6   | 13A01233-001 | CLEAT                                               |
| 15      | 2   | 1011686      | CHANNEL - DRAG STRUT ATTACH (REPLACES 13A01374-001) |
| 16      | 2   | 21A01156-126 | REINFORCEMENT, WHEEL WELL, INSPECTION COVER         |
| 17      | A/R | 1011870      | VALVE, DUCKBILL (NEW VERSION)                       |
|         | A/R | 2111         | STOPPER, PUMPOUT, LAKE AND AIR (OLD VERSION)        |
| 18      | 2   | 1001032      | ASSEMBLY, COVER, PUMPER CUP, SMALL                  |
|         | 1   | 21A01567-012 | GASKET, SIDE 2100/3000 7"X5" THIN                   |
| 19      | 2   | 1001033      | ASSEMBLY, COVER, PUMPER CUP, LARGE                  |
|         | 1   | 13A01567-010 | COVER SEAL, 13.69" X 17.16"                         |
| 20      | 2   | 1004569      | ASSEMBLY, BAGGAGE LIP, OBRD, FOAM TANK, 10000 FLOAT |
| 21      | 2   | 1004574      | ASSEMBLY, BAGGAGE LIP, IBRD, FOAM TANK, 10000 FLOAT |
| 22      | 4   | 1004599      | BAGGAGE LIP, FOAM TANK, 10000 FLOAT                 |

## SKIN ASSEMBLY, TOP DECK LEFT - FLOAT SERIAL NUMBERS 10309A & 10310A AND LATER



| ITEM | QTY | PART NO.     | PART DESCRIPTION                          |
|------|-----|--------------|-------------------------------------------|
| -    | 1   | 1011707      | ASSEMBLY, TOP SKIN, LEFT, 10000           |
| 1    | 1   | 1002042      | SKIN, TOP, FWD, LEFT                      |
| 2    | 1   | 1011670      | BAGGAGE LIP, OBRD, FOAM TANK, 10000 FLOAT |
| 3    | 1   | 1011673      | BAGGAGE LIP, FOAM TANK, 10000 FLOAT       |
| 4    | 1   | 1011674      | BAGGAGE LIP, FOAM TANK, 10000 FLOAT       |
| 5    | 15  | 1012317-01   | CROSS TIE, TOP DECK                       |
| 6    | 1   | 1012317-02   | CROSS TIE, TOP DECK                       |
| 7    | 1   | 1012317-03   | CROSS TIE, TOP DECK                       |
| 8    | 1   | 1012317-04   | CROSS TIE, TOP DECK                       |
| 9    | 1   | 1012317-05   | CROSS TIE, TOP DECK                       |
| 10   | 1   | 1012317-06   | CROSS TIE, TOP DECK                       |
| 11   | 1   | 1012317-09   | CROSS TIE, TOP DECK                       |
| 12   | 1   | 10A01150-179 | SKIN, TOP, AFT, LEFT                      |
| 13   | 1   | 10A01163-105 | SKIN, TOP, MID, LEFT, 10000               |
| 14   | 1   | 10A01382-003 | RAIL - TOP SKIN W/B                       |
| 15   | 1   | 10A01382-019 | RAIL, TOP MID W/B, LEFT                   |
| 16   | 1   | 10A01382-020 | RAIL, TOP MID W/B, RIGHT                  |
| 17   | 1   | 10A01382-021 | RAIL - TOP FWD W/B                        |
| 18   | 1   | 10A01382-022 | RAIL - TOP FWD W/B                        |
| 19   | 1   | 10A01382-023 | RAIL - TOP AFT W/B                        |
| 20   | 1   | 10A01382-024 | RAIL - TOP AFT W/B                        |
| 21   | 1   | 10A01382-027 | RAIL - TOP SKIN W/B                       |
| 22   | 1   | 10A01382-030 | ANGLE, CROSS TIE & TOP RAIL               |
| 23   | 1   | 10A01382-032 | RAIL - TOP WHEEL WELL, RIGHT              |
| 24   | 1   | 10A01382-033 | RAIL - TOP WHEEL WELL, LEFT               |
| 25   | 2   | 10A12277-003 | HOUSE COUPLER                             |
| 26   | 28  | 9A3-671      | TINNERMAN, ACCESS COVER                   |

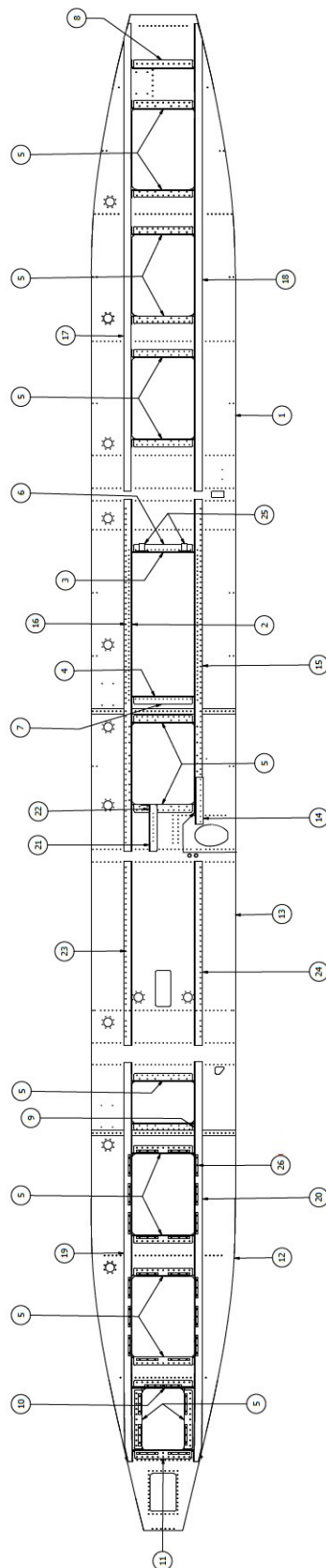
## SKIN ASSEMBLY, TOP DECK LEFT - FLOAT SERIAL NUMBERS 10307A & 10308A AND PRIOR



| ITEM | QTY | PART NO.     | PART DESCRIPTION                                       |
|------|-----|--------------|--------------------------------------------------------|
| -    | 1   | 10A01000-419 | SKIN ASSEMBLY, TOP LT                                  |
| 1    | 76  | 9A3-671      | TINNERMAN, ACCESS COVER                                |
| 2    | 1   | 10A01150-179 | SKIN, TOP, AFT, LEFT                                   |
| 3    | 1   | 10A01163-105 | SKIN, TOP, MID, LEFT, 10000                            |
| 4    | 1   | 10A01382-003 | RAIL - TOP SKIN W/B                                    |
| 5    | 1   | 10A01382-019 | RAIL, TOP MID W/B, LEFT                                |
| 6    | 1   | 10A01382-020 | RAIL, TOP MID W/B, RIGHT                               |
| 7    | 1   | 10A01382-021 | RAIL - TOP FWD W/B                                     |
| 8    | 1   | 10A01382-022 | RAIL - TOP FWD W/B                                     |
| 9    | 1   | 10A01382-023 | RAIL - TOP AFT W/B                                     |
| 10   | 1   | 10A01382-024 | RAIL - TOP AFT W/B                                     |
| 11   | 1   | 10A01382-027 | RAIL - TOP SKIN W/B                                    |
| 12   | 1   | 10A01382-030 | ANGLE, CROSS TIE & TOP RAIL                            |
| 13   | 1   | 1012317      | ANGLE - TOP SKIN CROSS TIE (10A01382-031 DISCONTINUED) |
| 14   | 1   | 10A01382-032 | RAIL - TOP WHEEL WELL, RIGHT                           |
| 15   | 1   | 10A01382-033 | RAIL - TOP WHEEL WELL, LEFT                            |
| 16   | 16  | 1012317      | ANGLE - TOP SKIN CROSS TIE (13A01382-006 DISCONTINUED) |
| 17   | 1   | 1002042      | SKIN, TOP, FWD, LEFT                                   |
| 18   | 4   | 1012317      | ANGLE - TOP SKIN CROSS TIE (1003425 DISCONTINUED)      |

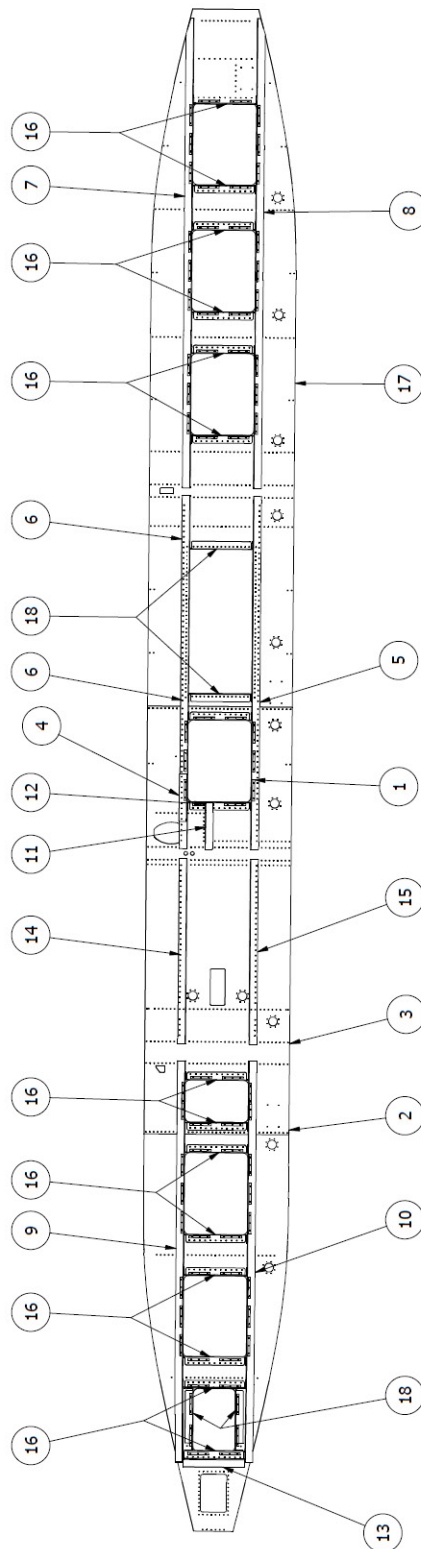


## SKIN ASSEMBLY, TOP DECK RIGHT - FLOAT SERIAL NUMBERS 10309A & 10310A AND LATER



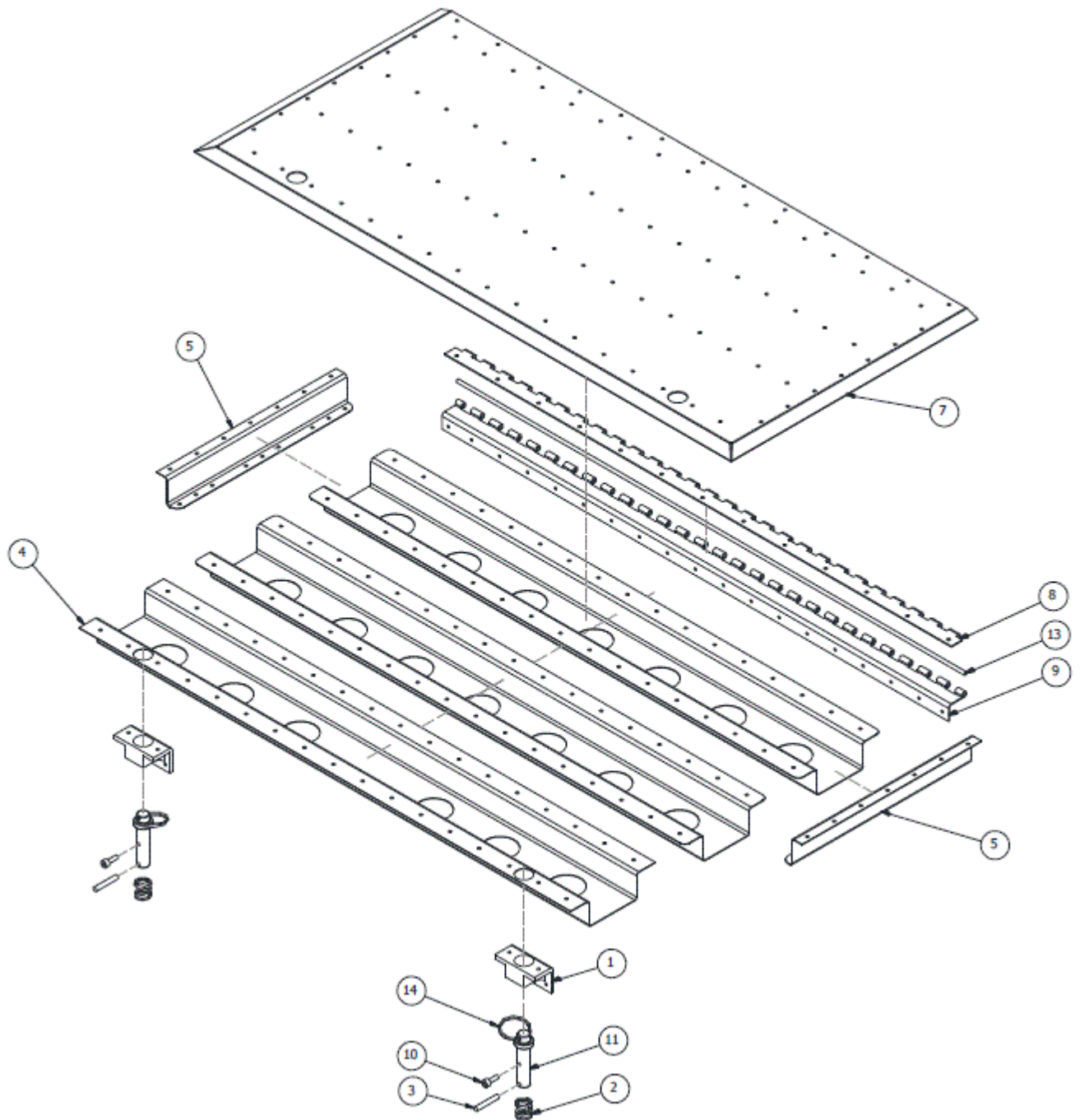
| ITEM | QTY | PART NO.     | PART DESCRIPTION                          |
|------|-----|--------------|-------------------------------------------|
| -    | 1   | 1011708      | ASSEMBLY, TOP SKIN, RIGHT, 10000          |
| 1    | 1   | 1002043      | SKIN, TOP, FWD, RIGHT                     |
| 2    | 1   | 1011670      | BAGGAGE LIP, OBRD, FOAM TANK, 10000 FLOAT |
| 3    | 1   | 1011673      | BAGGAGE LIP, FOAM TANK, 10000 FLOAT       |
| 4    | 1   | 1011674      | BAGGAGE LIP, FOAM TANK, 10000 FLOAT       |
| 5    | 15  | 1012317-01   | CROSS TIE, TOP DECK                       |
| 6    | 1   | 1012317-02   | CROSS TIE, TOP DECK                       |
| 7    | 1   | 1012317-03   | CROSS TIE, TOP DECK                       |
| 8    | 1   | 1012317-04   | CROSS TIE, TOP DECK                       |
| 9    | 1   | 1012317-05   | CROSS TIE, TOP DECK                       |
| 10   | 1   | 1012317-06   | CROSS TIE, TOP DECK                       |
| 11   | 1   | 1012317-09   | CROSS TIE, TOP DECK                       |
| 12   | 1   | 10A01150-164 | SKIN, TOP, AFT, RIGHT                     |
| 13   | 1   | 10A01163-108 | SKIN, TOP, MID, RIGHT, 10000              |
| 14   | 1   | 10A01382-004 | RAIL - TOP SKIN W/B                       |
| 15   | 1   | 10A01382-019 | RAIL, TOP MID W/B, LEFT                   |
| 16   | 1   | 10A01382-020 | RAIL, TOP MID W/B, RIGHT                  |
| 17   | 1   | 10A01382-021 | RAIL - TOP FWD W/B                        |
| 18   | 1   | 10A01382-022 | RAIL - TOP FWD W/B                        |
| 19   | 1   | 10A01382-023 | RAIL - TOP AFT W/B                        |
| 20   | 1   | 10A01382-024 | RAIL - TOP AFT W/B                        |
| 21   | 1   | 10A01382-026 | RAIL - TOP SKIN W/B                       |
| 22   | 1   | 10A01382-030 | ANGLE, CROSS TIE & TOP RAIL               |
| 23   | 1   | 10A01382-032 | RAIL - TOP WHEEL WELL, RIGHT              |
| 24   | 1   | 10A01382-033 | RAIL - TOP WHEEL WELL, LEFT               |
| 25   | 2   | 10A12277-003 | HOUSE COUPLER                             |
| 26   | 28  | 9A3-671      | TINNERMAN, ACCESS COVER                   |

## SKIN ASSEMBLY, TOP DECK RIGHT - FLOAT SERIAL NUMBERS 10307A & 10308A AND PRIOR



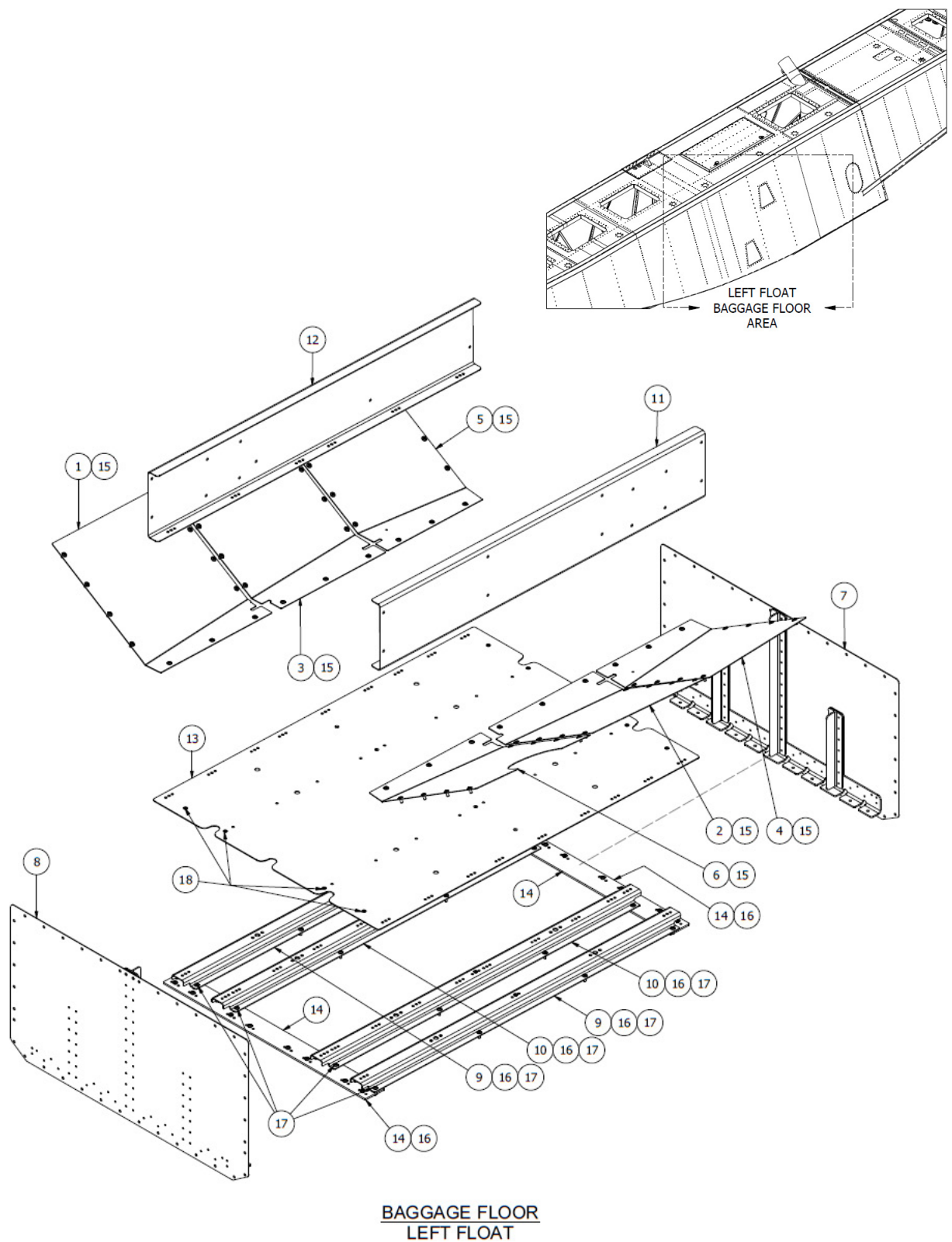
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                       |
|------|-----|--------------|--------------------------------------------------------|
| -    | 1   | 10A01000-414 | SKIN ASSEMBLY, TOP LT                                  |
| 1    | 76  | 9A3-671      | TINNERMAN, ACCESS COVER                                |
| 2    | 1   | 10A01150-164 | SKIN, TOP, AFT, RIGHT                                  |
| 3    | 1   | 10A01163-108 | SKIN, TOP, MID, RIGHT, 10000                           |
| 4    | 1   | 10A01382-004 | ANGLE, TOP RAIL MOD.                                   |
| 5    | 1   | 10A01382-019 | RAIL, TOP MID W/B, LEFT                                |
| 6    | 1   | 10A01382-020 | RAIL, TOP MID W/B, RIGHT                               |
| 7    | 1   | 10A01382-021 | RAIL - TOP FWD W/B                                     |
| 8    | 1   | 10A01382-022 | RAIL - TOP FWD W/B                                     |
| 9    | 1   | 10A01382-023 | RAIL - TOP AFT W/B                                     |
| 10   | 1   | 10A01382-024 | RAIL - TOP AFT W/B                                     |
| 11   | 1   | 10A01382-026 | ANGLE, TOP RAIL (RIGHT)                                |
| 12   | 1   | 10A01382-030 | ANGLE, CROSS TIE & TOP RAIL                            |
| 13   | 1   | 1012317      | ANGLE - TOP SKIN CROSS TIE (10A01382-031 DISCONTINUED) |
| 14   | 1   | 10A01382-032 | RAIL - TOP WHEEL WELL, RIGHT                           |
| 15   | 1   | 10A01382-033 | RAIL - TOP WHEEL WELL, LEFT                            |
| 16   | 16  | 1012317      | ANGLE - TOP SKIN CROSS TIE (13A01382-006 DISCONTINUED) |
| 17   | 1   | 1002048      | SKIN, TOP, FWD, RIGHT                                  |
| 18   | 4   | 1012317      | ANGLE - TOP SKIN CROSS TIE (1003425 DISCONTINUED)      |

## BAGGAGE DOOR ASSEMBLY DETAIL A



| ITEM | QTY | PART NO.       | PART DESCRIPTION                    |
|------|-----|----------------|-------------------------------------|
| 1    | 2   | 3A01206-001    | RETAINER – BAGGAGE COMPARTMENT LOCK |
| 2    | 2   | 3A01525-003    | SPRING, BAGGAGE COVER               |
| 3    | 2   | 3A01702-004    | PIN, LOCK                           |
| 4    | 1   | 4A01004-048    | STIFFENER, BAGGAGE, COVER           |
| 5    | 2   | 4A01004-049    | STIFFENER, END CAP, BAGGAGE         |
| 6    | 2   | 4A01004-067    | STIFFENER, BAGGAGE DOOR             |
| 7    | 1   | 4A01162-001    | COVER, BAGGAGE, 13-1/4 X 28-7/8     |
| 8    | 1   | 4A01740-005    | HINGE, BAGGAGE COVER, 1/4"          |
| 9    | 1   | 4A01741-003    | HINGE, BAGGAGE COVER, 1.5"          |
| 10   | 2   | 10/32 X 1/2 SS | SCREW, BAGGAGE                      |
| 11   | 2   | 13A01283-016   | PIN, LATCH, BAGGAGE DOOR            |
| 12   | 18  | 01692-0410     | RIVET, POP, 1/8"                    |
| 13   | 1   | 1002186        | HINGE, PIN/ROD                      |
| 14   | 2   | 1002663        | RING                                |
| 15   | 1   | 1009671        | GASKET, DOOR SEAL (NOT SHOWN)       |

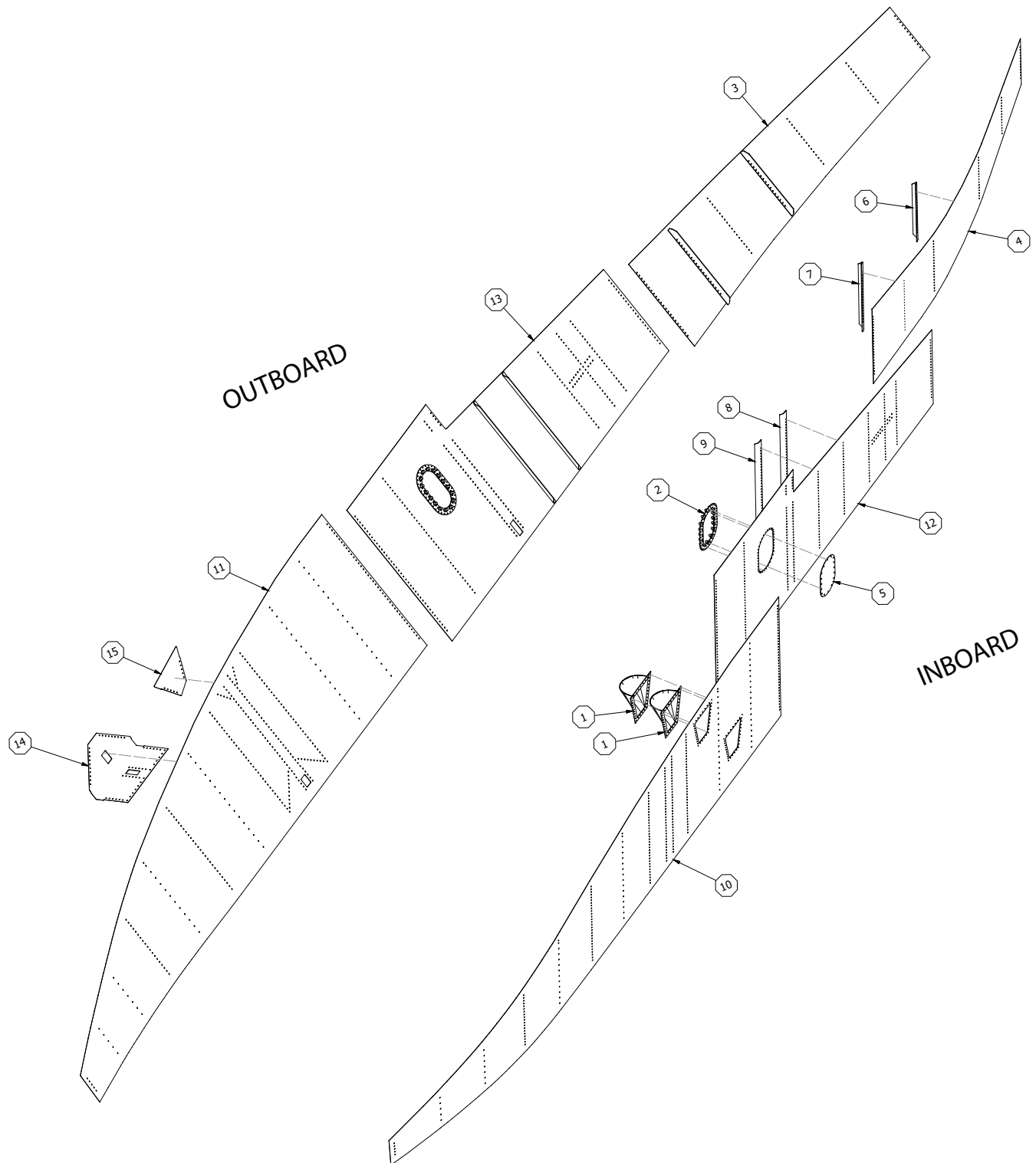
## BAGGAGE FLOOR LEFT AND RIGHT FLOATS



| ITEM  | QTY | PART NO.     | PART DESCRIPTION                                     |
|-------|-----|--------------|------------------------------------------------------|
| 1 LT. | 1   | 1011523      | FLOOR, SIDE, BAGGAGE, FWD, OB, LEFT FLOAT            |
| 1 RT. | 1   | 1011539      | FLOOR, SIDE, BAGGAGE, FWD, OB, RIGHT FLOAT           |
| 2     | 1   | 1011524      | FLOOR, SIDE, BAGGAGE, MID                            |
| 3     | 1   | 1011525      | FLOOR, SIDE, BAGGAGE, MID                            |
| 4     | 1   | 1011526      | FLOOR, SIDE, BAGGAGE, AFT                            |
| 5     | 1   | 1011527      | FLOOR, SIDE, BAGGAGE, AFT                            |
| 6 LT. | 1   | 1011538      | FLOOR, SIDE, BAGGAGE, FWD, OB, LEFT FLOAT            |
| 6 RT. | 1   | 1011522      | FLOOR, SIDE, BAGGAGE, FWD, OB, RIGHT FLOAT           |
| 7     | 1   | 1011654      | ASSEMBLY, COVER, BULKHEAD #14                        |
| 8     | 1   | 1011655      | ASSEMBLY, COVER, BULKHEAD, #9                        |
| 9     | 2   | 1011662      | ASSEMBLY, HAT CHANNEL, FLOOR SUPPORT, BAGGAGE, 10000 |
| 10    | 2   | 1011664      | ASSEMBLY, HAT CHANNEL, TANK COVER SUPPORT, 10000     |
| 11    | 1   | 1011668      | ASSEMBLY, BACK STOP, TANK COVER, LEFT, 10000         |
| 12    | 1   | 1011669      | ASSEMBLY, BACK STOP, TANK COVER, RIGHT, 10000        |
| 13    | 1   | 1011688      | ASSEMBLY, FLOOR, MAIN, BAGGAGE, 10000                |
| 14    | 2   | 1011743      | ASSEMBLY, MOUNTING PLATE, BH COVERS, 10000           |
| 15    | 66  | AN525-832R6  | SCREW, WASHER HEAD                                   |
| 16    | 40  | AN525-832R8  | SCREW, WASHER HEAD                                   |
| 17    | 8   | AN525-832R10 | SCREW, WASHER HEAD                                   |
| 18    | 12  | MS24694S4    | SCREW, COUNTERSUNK 100 DEGREES                       |

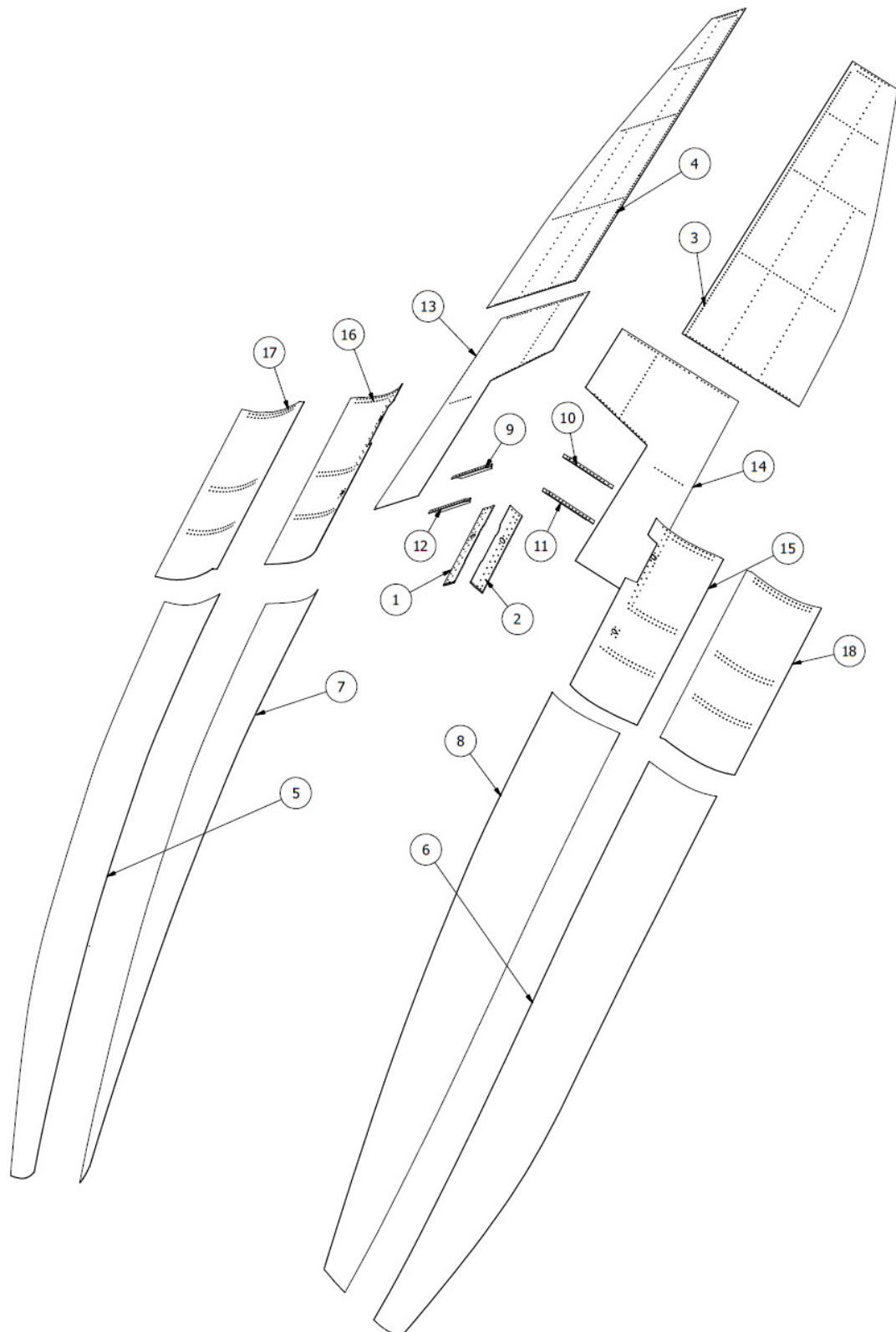


## SIDE SKINS & STIFFENERS LEFT AND RIGHT FLOATS



| ITEM   | QTY | PART NO.     | PART DESCRIPTION                                                                  |
|--------|-----|--------------|-----------------------------------------------------------------------------------|
| 1      | 4   | 3A01000-005  | WELDMENT, STEP POCKET, FLAT SURFACE                                               |
| 2      | 4   | 10A01000-450 | COVER REINFORCEMENT, SIDE ASSEMBLY                                                |
| 3      | 2   | 10A01150-167 | SKIN, SIDE, AFT, LEFT, 10000                                                      |
| 4      | 2   | 10A01150-172 | SKIN, SIDE, AFT, RIGHT, 10000                                                     |
| 5      | 4   | 10A01163-115 | COVER, SIDE                                                                       |
| 6      | 2   | 1001164      | STIFFENER, REAR, AFT SIDESKIN 10000                                               |
| 7      | 2   | 1001165      | STIFFENER, FRONT, AFT SIDESKIN 10000                                              |
| 8      | 4   | 1001166      | STIFFENER, REAR, MID SIDESKIN 10000                                               |
| 9      | 4   | 1001167      | STIFFENER, FRONT, MID SIDESKIN 10000                                              |
| 10 RT. | 1   | 1002150      | SKIN, SIDE, FWD, OUTBOARD, RIGHT                                                  |
| 10 LT. | 1   | 1002046      | SKIN, SIDE, FWD, OUTBOARD, LEFT                                                   |
| 11 RT. | 1   | 1002151      | SKIN, SIDE, FWD, INBOARD, RIGHT                                                   |
| 11 LT. | 1   | 1002044      | SKIN, SIDE, FWD, INBOARD, LEFT                                                    |
| 12 RT. | 1   | 1007942      | SKIN, SIDE, MID, OUTBOARD, RH, 10000                                              |
| 12 LT. | 1   | 1007941      | SKIN, SIDE, MID, OUTBOARD, LH, 10000                                              |
| 13 RT. | 1   | 1007944      | SKIN, SIDE, MID, INBOARD, RH, 10000                                               |
| 13 LT. | 1   | 1007943      | SKIN, SIDE, MID, INBOARD, LH, 10000                                               |
| 14 RT. | 1   | 1011108      | DOUBLER, STRUT ATTACH POINT, FWD, TOP, RF, 10000 (S/N 10213A/10214A AND LATER)    |
| 14 LT. | 1   | 1011107      | DOUBLER, STRUT ATTACH POINT, FWD, TOP, LF, 10000 (S/N 10213A/10214A AND LATER)    |
| 15 RT. | 1   | 1011110      | DOUBLER, STRUT ATTACH POINT, FWD, BOTTOM, RF, 10000 (S/N 10213A/10214A AND LATER) |
| 15 LT. | 1   | 1011109      | DOUBLER, STRUT ATTACH POINT, FWD, BOTTOM, LF, 10000 (S/N 10213A/10214A AND LATER) |

## BOTTOM SKINS & STIFFENERS

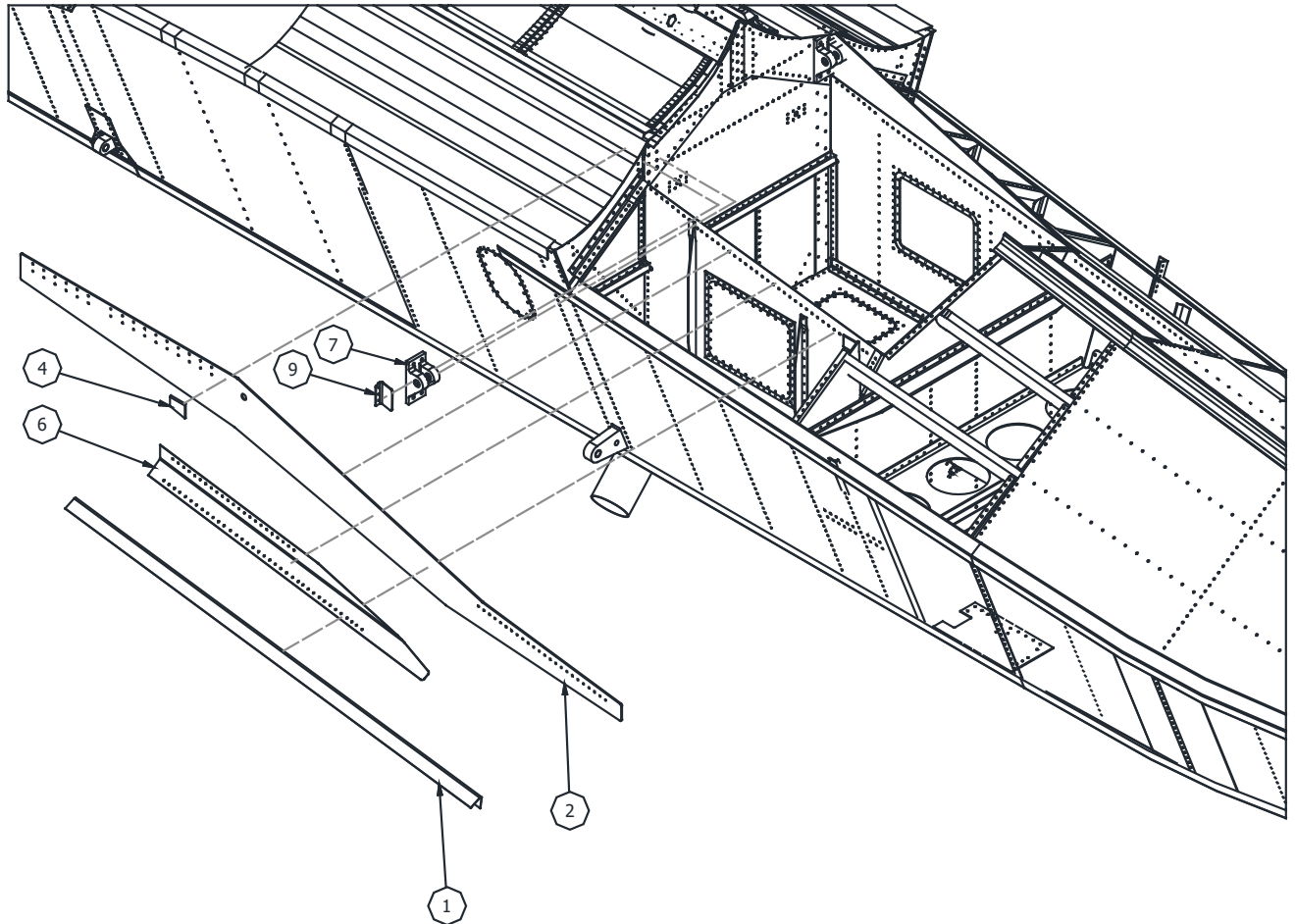


PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

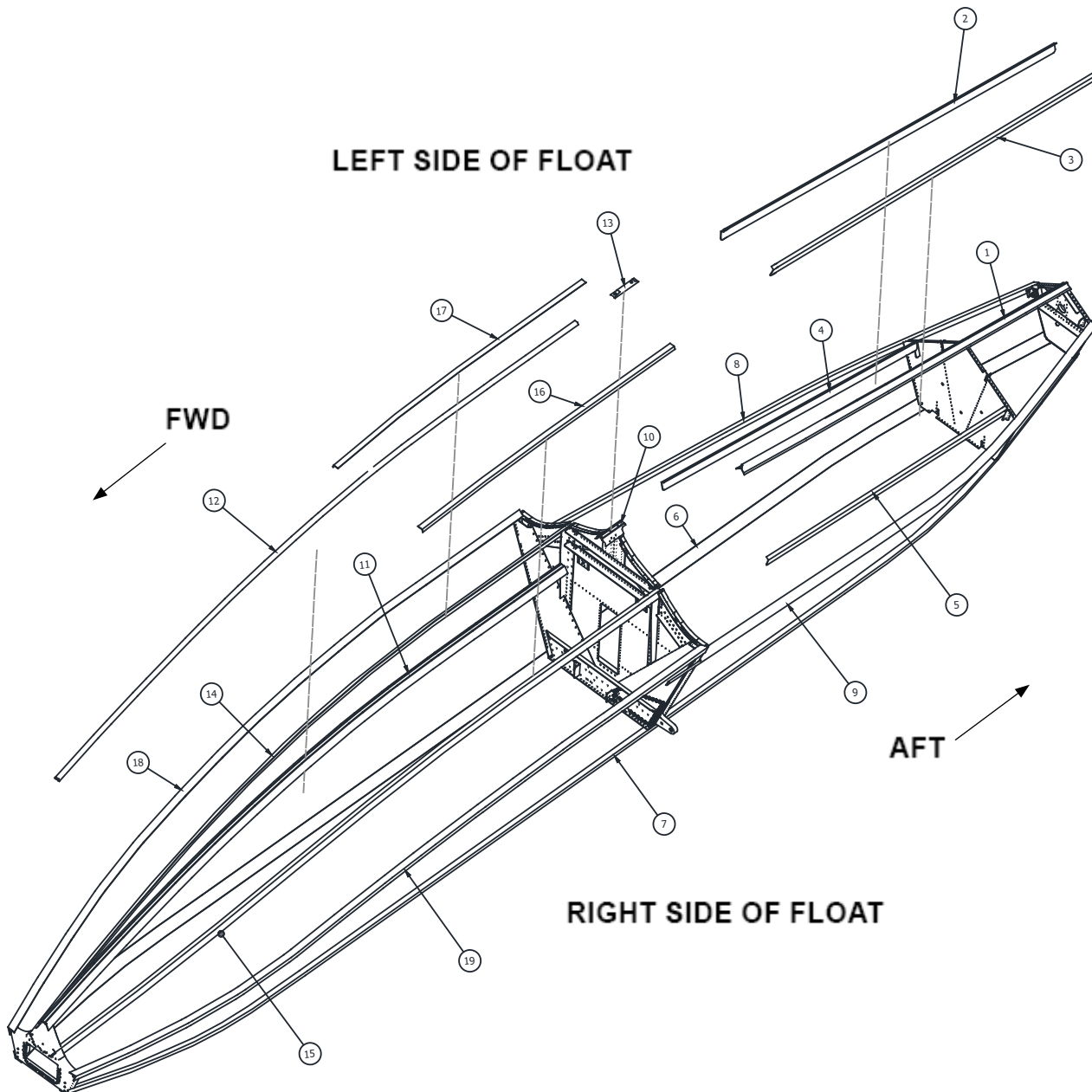
| ITEM | QTY | PART NO.     | PART DESCRIPTION                    |
|------|-----|--------------|-------------------------------------|
| 1    | 1   | 10A01001-072 | DOUBLER, SCOOP TUNNEL, LEFT         |
| 2    | 1   | 10A01001-073 | DOUBLER, SCOOP TUNNEL, RIGHT        |
| 3    | 1   | 10A01158-265 | SKIN-BOTTOM, AFT, LT, 10000 FLOAT   |
| 4    | 1   | 10A01158-266 | SKIN-BOTTOM, AFT, RT, 10000 FLOAT   |
| 5    | 1   | 13A01153-013 | SKIN, BOTTOM, UPPER, LEFT           |
| 6    | 1   | 13A01153-014 | SKIN, BOTTOM, UPPER, RIGHT          |
| 7    | 1   | 13A01163-043 | SKIN, BOTTOM, LOWER, LEFT           |
| 8    | 1   | 13A01163-044 | SKIN, BOTTOM, LOWER, RIGHT          |
| 9    | 1   | 13A01359-175 | STIFFENER - AFT SKIN - AFT LEFT     |
| 10   | 1   | 13A01359-176 | STIFFENER - AFT SKIN - AFT RIGHT    |
| 11   | 1   | 13A01359-177 | STIFFENER - AFT SKIN - FWD LEFT     |
| 12   | 1   | 13A01359-178 | STIFFENER - AFT SKIN - FWD RIGHT    |
| 13   | 1   | 1007945      | SKIN, BOTTOM, AFT FWD, LEFT, 10000  |
| 14   | 1   | 1007946      | SKIN, BOTTOM, AFT FWD, RIGHT, 10000 |
| 15   | 1   | 1011386      | SKIN, BOTTOM, FWD SPLICE, LOWER, RH |
| 16   | 1   | 1011387      | SKIN, BOTTOM, FWD SPLICE, LOWER, LH |
| 17   | 1   | 1011700      | SKIN, BOTTOM, SPLICE, UPPER, LH     |
| 18   | 1   | 1011701      | SKIN, BOTTOM, SPLICE, UPPER, RH     |

## WHEEL WELL STEP AREA LEFT AND RIGHT FLOATS



| ITEM | QTY | PART NO.     | PART DESCRIPTION                     |
|------|-----|--------------|--------------------------------------|
| 1    | 4   | 6A01008-070  | ANGLE, CARRY THUR INSIDE             |
| 2    | 4   | 13A01001-035 | STRAP-CARRYTHRU                      |
| 3    | 2   | 13A01160-017 | SPACER CARRY THRU STRAP #17 B        |
| 4    | 2   | 13A01160-018 | SPACER CARRY THRU STRAP #17 B        |
| 5    | 2   | 13A01162-013 | ANGLE, CARRY THRU OUTER LT.          |
| 6    | 2   | 13A01162-014 | ANGLE, CARRY THRU OUTER RT.          |
| 7    | 2   | 13A04030-002 | ASSEMBLY, TRUNION, DRAG BRACE, RIGHT |
| 8    | 2   | 13A04030-003 | ASSEMBLY, TRUNION, DRAG BRACE, LEFT  |
| 9    | 2   | 1008721      | ANGLE, SISTER KEEL ATTACH            |
| 10   | 2   | 1008722      | ANGLE, SISTER KEEL ATTACH            |

## EXTRUSIONS HULL - CHINES

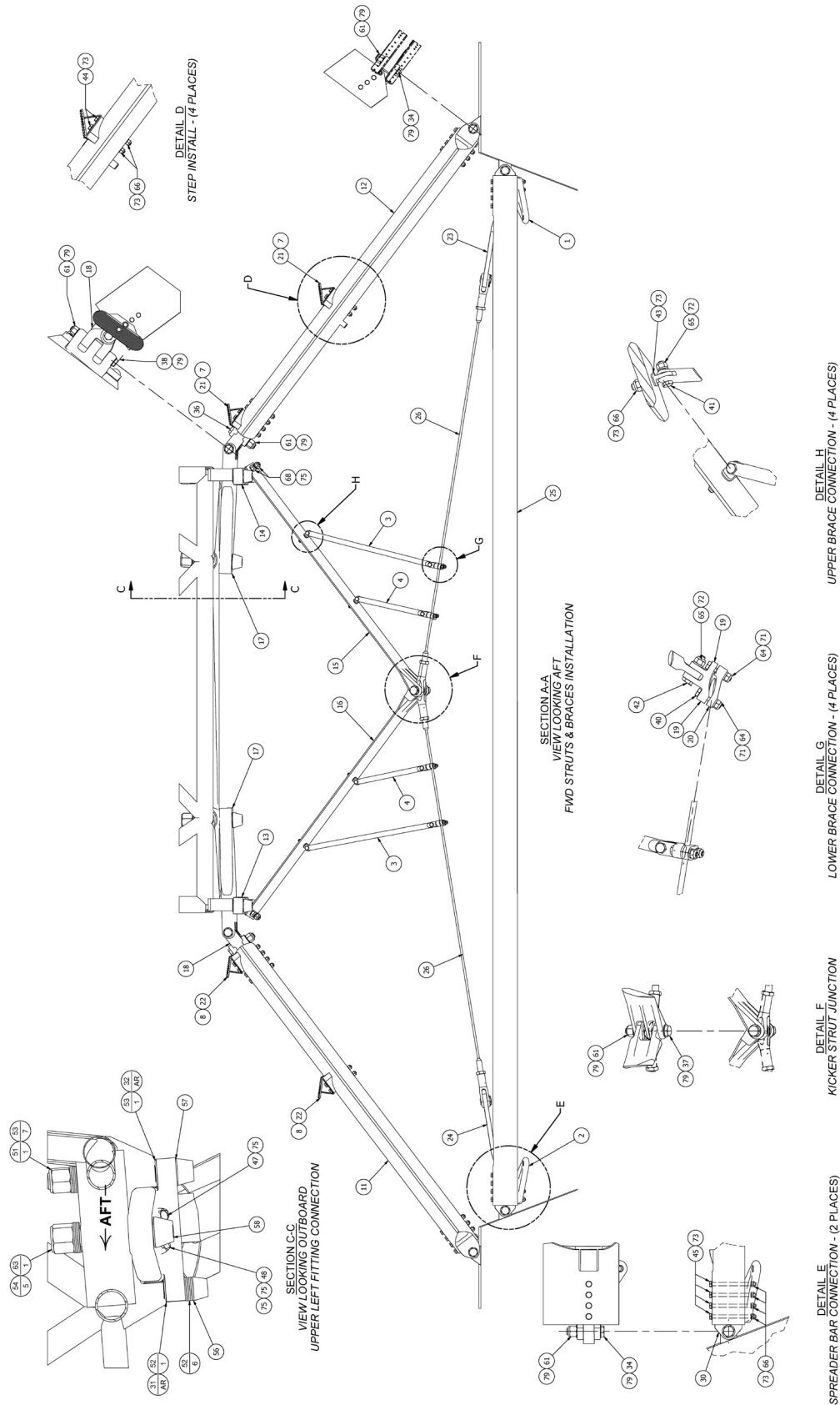


LEFT FLOAT SHOWN (UPSIDE DOWN)

PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

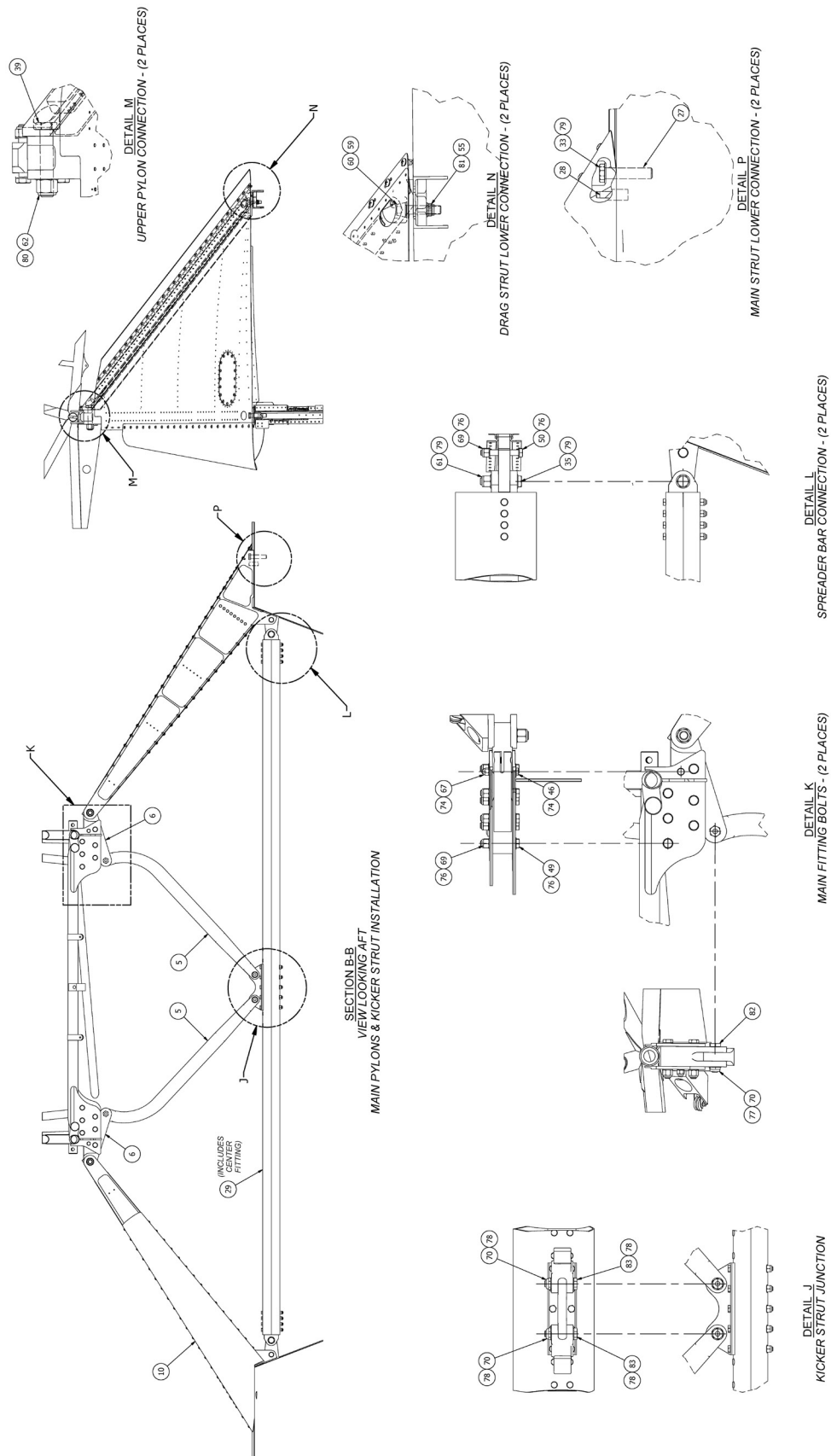
| ITEM | QTY | PART NO.     | PART DESCRIPTION                                        |
|------|-----|--------------|---------------------------------------------------------|
| 1    | 1   | 10A01328-002 | KEEL - AFTERBODY                                        |
| 2    | 1   | 10A01383-047 | SISTER KEEL - AFT INBD. ON R/H FLOAT OTBD ON L/H FLOAT  |
| 3    | 1   | 10A01383-048 | SISTER KEEL - AFT INBD. ON L/H FLOAT OTBD ON R/H FLOAT. |
| 4    | 1   | 10A01383-049 | SISTER KEEL AFT OTBD ON R/H FLOAT INBD ON L/H FLOAT     |
| 5    | 1   | 10A01383-050 | SISTER KEEL AFT OTBD ON L/H FLOAT INBD ON R/H FLOAT     |
| 6    | 1   | 10A01384-003 | GUNWALL LT.                                             |
| 7    | 1   | 10A01384-004 | GUNWALL RT.                                             |
| 8    | 1   | 10A01386-003 | CHINE - AFTERBODY LT.                                   |
| 9    | 1   | 10A01386-004 | CHINE - AFTERBODY RT.                                   |
| 10   | 1   | 10A01387-002 | END - MAIN KEEL - WATER BOMBER                          |
| 11   | 1   | 10A01387-003 | MAIN KEEL - WATER BOMBER                                |
| 12   | 1   | 10A01388-002 | WEAR STRIP - WATER BOMBER                               |
| 13   | 1   | 10A01388-003 | WEAR STRIP - AFT - WATER BOMBER                         |
| 14   | 1   | 1001703      | INNER SISTER KEEL FORWARD LT.                           |
| 15   | 1   | 1001704      | INNER SISTER KEEL FORWARD RT.                           |
| 16   | 1   | 1001781      | SISTER KEEL OUTSIDE LT.                                 |
| 17   | 1   | 1001782      | SISTER KEEL OUTSIDE RT.                                 |
| 18   | 1   | 1003515      | CHINE - FORWARD LT.                                     |
| 19   | 1   | 1003516      | CHINE - FORWARD RT.                                     |

## STRUTS, FRONT, REAR, & STEPS





PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

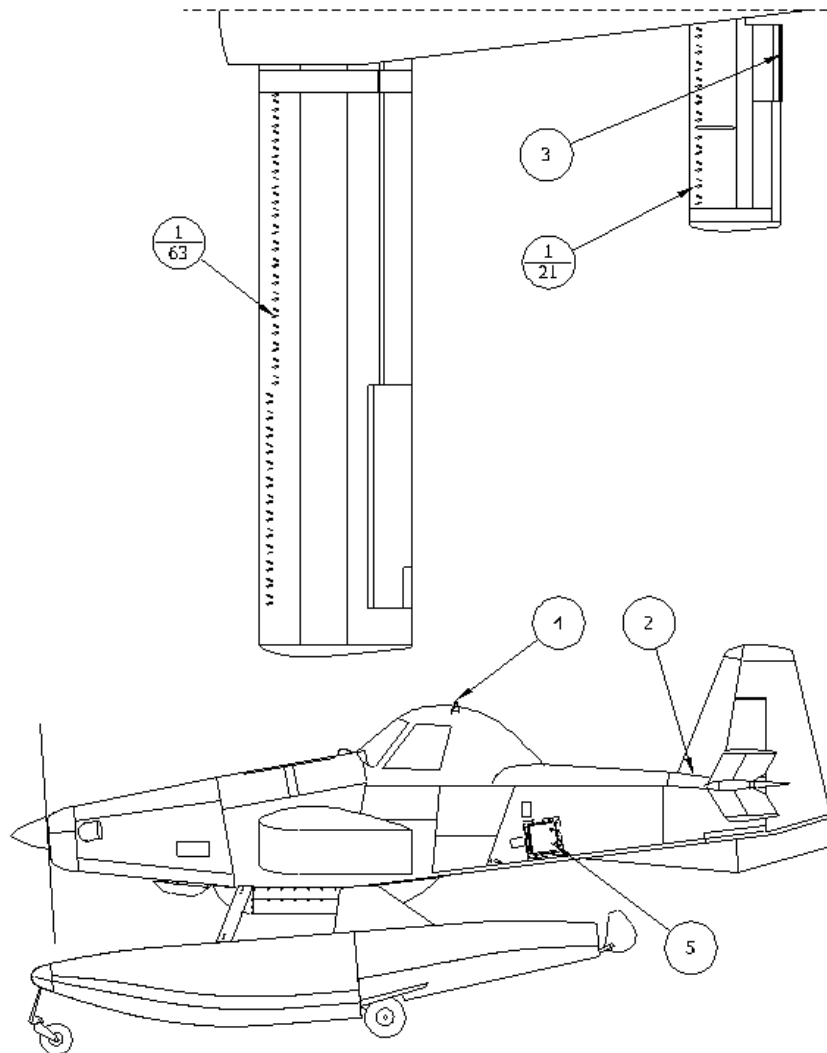


| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 1    | 1   | 1001763       | 10000 TOW LUG, LEFT                          |
| 2    | 1   | 1001764       | 10000 TOW LUG, RIGHT                         |
| 3    | 2   | 1002002       | BRACE - LONG - FORWARD - FLYWIRE             |
| 4    | 2   | 1002003       | BRACE - SHORT - FORWARD - FLYWIRE            |
| 5    | 2   | 1002212       | ASSY, KICKER STRUT, AT802                    |
| 6    | 2   | 1002216       | ASSY, FITTING, UPPER REAR, AT802             |
|      | 4   | 13A02454-002  | BUSHING - LIFT STRUT - CENTER                |
| 7    | 2   | 1008993       | SPACER, STEP, LEFT, AT802                    |
| 8    | 2   | 1008994       | SPACER, STEP, RIGHT, AT802                   |
| 9    | 1   | 1012302       | ASS'Y. STRUT, MAIN, PYLON, 10000, LH         |
| 10   | 1   | 1012303       | ASS'Y, STRUT, MAIN, PYLON, 10000, RH         |
| 11   | 1   | 10A02000-236  | ASSEMBLY, STRUT, RIGHT                       |
|      | 1   | 10A02035-001  | FITTING, LOWER, FRONT STRUT                  |
|      | 1   | 10A02056-016  | FITTING - STRUT, UPPER, RH                   |
|      | 1   | 10A02335-006  | STRUT - FRONT - 10000 FLOAT                  |
|      | 1   | AN25-52A      | BOLT, CLEVIS                                 |
|      | 5   | AN5-33A       | BOLT, 5/16-24, 2.9690 GRIP, UNDRILLED, STEEL |
|      | 5   | MS21044N5     | NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF    |
|      | 1   | MS21083N5     | NUT, LOCKING, LOW HEIGHT, 5/16-24 UNF        |
|      | 12  | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL           |
| 12   | 1   | 10A02000-237  | ASSEMBLY, STRUT, LEFT                        |
|      | 1   | 10A02035-001  | FITTING, LOWER, FRONT STRUT                  |
|      | 1   | 10A02056-017  | FITTING - UPPER, STRUT, LH                   |
|      | 1   | 10A02335-006  | STRUT - FRONT - 10000 FLOAT                  |
|      | 1   | AN25-52A      | BOLT, CLEVIS                                 |
|      | 5   | AN5-33A       | BOLT, 5/16-24, 2.9690 GRIP, UNDRILLED, STEEL |
|      | 5   | MS21044N5     | NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF    |
|      | 1   | MS21083N5     | NUT, LOCKING, LOW HEIGHT, 5/16-24 UNF        |
|      | 12  | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL           |
| 13   | 1   | 10A02030-009  | MOUNT, KICKER STRUT, UPPER                   |
| 14   | 1   | 10A02030-010  | MOUNT, KICKER STRUT, UPPER                   |
| 15   | 1   | 10A02178-001  | KICKER STRUT - FWD - LH                      |
| 16   | 1   | 10A02178-002  | KICKER STRUT - FWD - RH                      |
| 17   | 2   | 10A02208-003  | FITTING - UPPER FWD - FUSELAGE               |
| 18   | 2   | 10A02208-004  | FITTING - UPPER FWD - STRUT                  |
| 19   | 4   | 10A02216-003  | CLAMP, UPPER FORWARD FLYWIRE                 |
| 20   | 4   | 10A02216-004  | CLAMP, LOWER FORWARD FLYWIRE                 |
| 21   | 2   | 10A02350-021  | STEP, FWD, LH, AT802                         |
| 22   | 2   | 10A02350-022  | STEP, FWD, RH, AT802                         |
| 23   | 1   | 10A02571-003  | FITTING, FRONT DRAG WIRE, LOWER, LH          |
| 24   | 1   | 10A02571-004  | FITTING, FRONT DRAG WIRE, LOWER, RH          |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 25   | 1   | 10A03335-007  | SPREADER BAR, FORWARD                        |
| 26   | 2   | 13A02000-079  | ASSEMBLY, FLY WIRE, AN680AC-4838             |
| 27   | 2   | 13A02458-005  | BARREL NUT, LOCKING                          |
| 28   | 2   | 13A02518-003  | PIN - MAIN STRUT                             |
| 29   | 1   | 13A03000-020  | ASSEMBLY, SPREADER BAR, AFT                  |
|      | 1   | 13A03000-022  | ASS'Y FITTING - REAR SP. BAR - CENTER        |
|      | 2   | 13A02454-003  | BUSHING - LIFT STRUT - CENTER                |
|      | 2   | 1011600       | FITTING - REAR SPREADER BAR - ATTACH         |
|      | 1   | 13A03335-005  | SPREADER BAR - REAR                          |
|      | 1   | 13A03390-003  | SPACER, REAR SPREADER BAR                    |
|      | 8   | AN6-34A       | BOLT                                         |
|      | 18  | MS21044N6     | NUT                                          |
|      | 8   | MS90354U10-07 | RIVET, HUCK, PROTRUDING HEAD, BLIND FASTENER |
|      | 26  | NAS1149D0616J | WASHER                                       |
|      | 10  | AN6-35A       | BOLT                                         |
| 30   | 2   | 13A03030-005  | FITTING FRONT SPEADER BAR                    |
| 31   | 8   | 3088A325      | SHIM, .875 ID, 1.375 OD, .010 THK, STEEL     |
| 32   | 8   | 3088A326      | SHIM, 1.0 ID, 1.5 OD, .010 THK, STEEL        |
| 33   | 2   | AN10-25A      | BOLT, 5/8-18, 1.8125 GRIP, UNDRILLED, STEEL  |
| 34   | 4   | AN10-30A      | BOLT, 5/8-18, 2.1875 GRIP, UNDRILLED, STEEL  |
| 35   | 2   | AN10-31A      | BOLT, 5/8-18, 2.3125 GRIP, UNDRILLED, STEEL  |
| 36   | 2   | AN10-32A      | BOLT, 5/8-18, 2.4375 GRIP, UNDRILLED, STEEL  |
| 37   | 1   | AN10-37A      | BOLT, 5/8-18, 3.0625 GRIP, UNDRILLED, STEEL  |
| 38   | 2   | AN10-65A      | BOLT, 5/8-18, 5.8125 GRIP, UNDRILLED, STEEL  |
| 39   | 2   | AN12-36A      | BOLT, 3/4-16, 2.8125 GRIP, UNDRILLED, STEEL  |
| 40   | 8   | AN3-11A       | BOLT, 10-32, 0.75 GRIP, UNDRILLED, STEEL     |
| 41   | 4   | AN4-10A       | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL  |
| 42   | 4   | AN4-12A       | BOLT, 1/4-28, 0.8125 GRIP, UNDRILLED, STEEL  |
| 43   | 4   | AN44-10A      | EYE BOLT                                     |
| 44   | 8   | AN5-36A       | BOLT, 5/16-24, 3.3125 GRIP, UNDRILLED, STEEL |
| 45   | 8   | AN5-40A       | BOLT, 5/16-24, 3.5625 GRIP, UNDRILLED, STEEL |
| 46   | 2   | AN6-27A       | BOLT, 3/8-24, 2.3125 GRIP, UNDRILLED, STEEL  |
| 47   | 2   | AN7-26A       | BOLT, 7/16-20, 2.1875 GRIP, UNDRILLED, STEEL |
| 48   | 2   | AN7-32A       | BOLT, 7/16-20, 2.6875 GRIP, UNDRILLED, STEEL |
| 49   | 12  | AN8-30A       | BOLT, 1/2-20, 2.3125 GRIP, UNDRILLED, STEEL  |
| 50   | 2   | AN8-32A       | BOLT, 1/2-20, 2.5625 GRIP, UNDRILLED, STEEL  |
| 51   | 2   | MS21044N16    | NUT, LOCKING, REGULAR HEIGHT, 3/4-16 UNF     |
| 52   | 16  | MS20002-14    | WASHER, HIGH STRENGTH, PLAIN, 7/8            |
| 53   | 16  | MS20002-16    | WASHER, HIGH STRENGTH, PLAIN, 1 IN           |
| 54   | 10  | MS20002-18    | WASHER, HIGH STRENGTH, PLAIN, 1-1/8          |
| 55   | 2   | MS20002-8     | WASHER, HIGH STRENGTH, PLAIN, 1/2            |

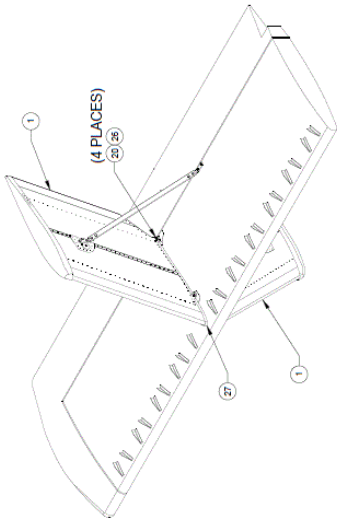
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                           |
|------|-----|---------------|------------------------------------------------------------|
| 56   | 2   | MS20002C14    | WASHER, HIGH STRENGTH, COUNTERSINK, 7/8                    |
| 57   | 2   | MS20002C16    | WASHER, HIGH STRENGTH, COUNTERSINK, 1IN                    |
| 58   | 2   | MS20002C18    | WASHER, HIGH STRENGTH, COUNTERSINK, 1-1/8                  |
| 59   | 2   | MS20002C8     | WASHER, HIGH STRENGTH, COUNTERSINK, 1/2                    |
| 60   | 2   | MS20008-20    | BOLT, INTERNAL WRENCHING (FLOAT S/N 10291A AND LATER)      |
|      | 2   | MS20008-15    | BOLT, INTERNAL WRENCHING (FLOAT S/N 10290A AND PRIOR)      |
| 61   | 11  | MS21044N10    | NUT, LOCKING, REGULAR HEIGHT, 5/8-18 UNF                   |
| 62   | 2   | MS21044N12    | NUT, LOCKING, REGULAR HEIGHT, 3/4-16 UNF                   |
| 63   | 2   | MS20365-1812  | NUT, LOCKING, REGULAR HEIGHT, 1-1/8 – 12 UNF               |
| 64   | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                    |
| 65   | 8   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                   |
| 66   | 20  | MS21044N5     | NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF                  |
| 67   | 2   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                   |
| 68   | 4   | MS21044N7     | NUT, LOCKING, REGULAR HEIGHT, 7/16-20 UNF                  |
| 69   | 14  | MS21044N8     | NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF                   |
| 70   | 4   | MS21083N9     | NUT, LOCKING, LOW HEIGHT, 9/16-18 UNF                      |
| 71   | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                         |
| 72   | 8   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                         |
| 73   | 40  | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                         |
| 74   | 4   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL                          |
| 75   | 10  | NAS1149F0763P | WASHER, 0.453 ID, 0.063 THK, STEEL                         |
| 76   | 28  | NAS1149F0863P | WASHER, 0.515 ID, 0.063 THK, STEEL                         |
| 77   | 2   | NAS1149F0932P | WASHER, 0.578 ID, .032 THK, STEEL                          |
| 78   | 4   | NAS1149F0963P | WASHER, 0.578 ID, .063 THK, STEEL                          |
| 79   | 22  | NAS1149F1063P | WASHER, 0.64 ID, 0.063 THK, STEEL                          |
| 80   | 2   | NAS1149F1232P | WASHER, 0.765 ID, 0.032 THK, STEEL                         |
| 81   | 2   | NAS1805-8     | NUT, 1/2-20, SELF LOCKING, DOUBLE HEX, SST                 |
| 82   | 2   | NAS6209-26    | BOLT, CLOSE TOL, 9/16-18 UNF, 1.625 GRIP, UNDRILLED, STEEL |
| 83   | 2   | NAS6209-31    | BOLT, CLOSE TOL, 9/16-18 UNF, 1.938 GRIP, UNDRILLED, STEEL |

## INSTALL FUSELAGE ITEMS

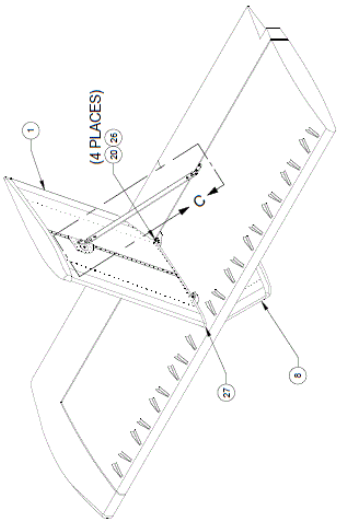


| ITEM | QTY  | PART NO.      | PART DESCRIPTION                            |
|------|------|---------------|---------------------------------------------|
| 1    | 168  | 10A13340-182  | VORTEX GENERATOR                            |
| 2    | 4 FT | 1-796         | Y CHANNEL, RUBBER                           |
|      | 4 FT | S2145-1       | CHANNEL, RUBBER, 5/8"                       |
| 3    | 2    | 10A12150-190  | EXTENSION, ELEVATOR SERVO TAB               |
| 4    | 2    | 10A16447-009  | (SINGLE SEAT) BRACKET, LIFT                 |
|      | 1    | 10A16447-010  | (2 SEATER) BRACKET - LIFT POINT - FUS.      |
|      | 8    | AN4-6A        | BOLT, 1/4-28, 0.3125 GRIP, UNDRILLED, STEEL |
|      | 8    | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 8    | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL          |
| 5    | 1    | 1002075       | ASSEMBLY ACCESS DOOR, HYD PUMP              |
|      | 1    | 1002061       | FRAME, ACCESS DOOR                          |

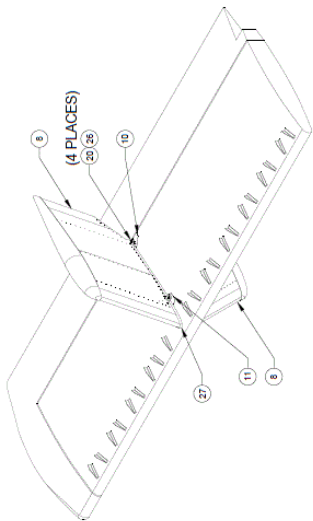
AUXILIARY FIN



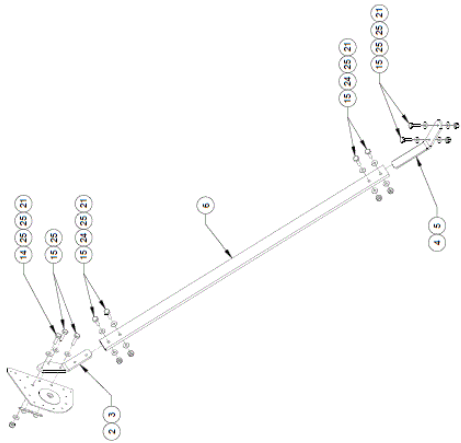
KIT -03  
RIGHT HORIZONTAL STABILIZER  
LEFT OPPOSITE



KIT -02  
RIGHT HORIZONTAL STABILIZER  
LEFT OPPOSITE



KIT -01  
RIGHT HORIZONTAL STABILIZER  
LEFT OPPOSITE



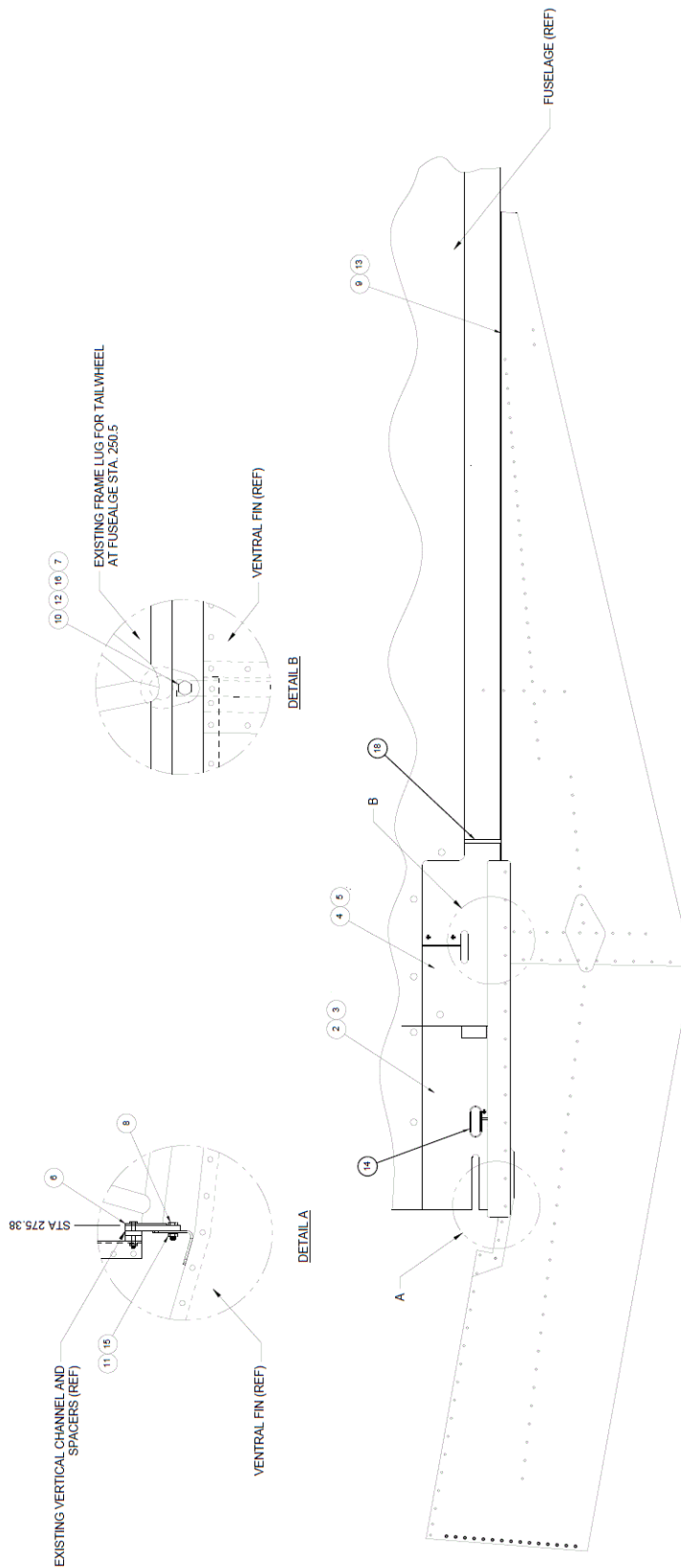
| KIT DESCRIPTIONS |                            |
|------------------|----------------------------|
| -01              | AT802A UP TO 1350 HP       |
| -02              | AT802A PT6A-67F AT 1600 HP |
| -03              | AT802 PT6A-67F AT 1600 HP  |

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| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
| 1    | 4   | 1003204       | FINLET ASSEMBLY (TALL FINLETS)                            |
| 2    | 2   | 1006731       | FITTING, STRUT, UP RIGHT OR LOW LEFT                      |
| 3    | 2   | 1006732       | FITTING, STRUT, UP LEFT OR LOW RIGHT                      |
| 4    | 2   | 1006739       | FITTING, HORIZ, ALT (WITHOUT HOLES), TOP R/H, BOTTOM L/H  |
| 5    | 2   | 1006740       | FITTING, HORIZ, ALT (WITHOUT HOLES), TOP L/H, BOTTOM R/H  |
| 6    | 4   | 1006741       | STRUT, SUPPORT, LONG FINLET, AIR TRACTOR                  |
| 7    | 1   | 1-796         | Y CHANNEL, RUBBER                                         |
| 8    | 4   | 10A12000-071  | FINLET ASSEMBLY, AT-802                                   |
| 9    | 8   | 10A12001-074  | STRAP, SPAR (NOT SHOWN)                                   |
| 10   | 4   | 10A12005-412  | DOUBLER, AFT FINLET                                       |
| 11   | 4   | 10A12005-413  | COVER, FORWARD SLOT                                       |
| 12   | 2   | 10A12160-045  | FINLET, ACCESS COVER (NOT SHOWN)                          |
| 13   | 1   | 1300L-5-OZ    | CEMENT ADHESIVE, 5 OZ, 3M                                 |
| 14   | 4   | AN3-5A        | BOLT SIZE 10-32, LENGTH +/- 1/64 - 21/32, GRIP LENGTH 1/4 |
| 15   | 32  | AN3-6A        | BOLT SIZE 10-32, LENGTH +/- 1/64 - 25/32, GRIP LENGTH 3/8 |
| 16   | 52  | AN526-632R4   | SCREW, 6-32 (NOT SHOWN)                                   |
| 17   | 10  | CR3212-4-7    | RIVET, CHERRY MAX, 1/8" DIA.                              |
| 18   | 58  | CR3213-4-1    | RIVET, CHERRY MAX, 1/8" DIA. (NOT SHOWN)                  |
| 19   | 4   | CR3213-4-7    | RIVET, CHERRY MAX, 1/8" DIA.                              |
| 20   | 16  | MS20002C4     | WASHER, HIGH STRENGTH, TO FIT DIA 1/4", COUNTERSUNK       |
| 21   | 28  | MS21044N3     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 10-32          |
| 22   | 2   | MS21051L4     | NUTPLATE, ONE LUG, 1/4-28 THREAD                          |
| 23   | 16  | MS21075L4N    | NUTPLATE, TWO LUG, 1/4-28 THREAD, LOW HEIGHT              |
| 24   | 16  | NAS1149F0332P | WASHER FLAT, SCREW SIZE #10 OD.438 ID.203 THK.032         |
| 25   | 48  | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                        |
| 26   | 16  | NAS624-8      | BOLT, 12 POINT, EXTERNAL WRENCHING                        |
| 27   | 20  | S2145-1       | CHANNEL, RUBBER, 5/8"                                     |

\*Quantities can vary by kit number. Contact Wipaire Customer Service for details and reference Wipaire Drawing 7D1-4399.

## VENTRAL FIN





## PARTS MANUAL

## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY   | PART NO.      | PART DESCRIPTION                            |
|------|-------|---------------|---------------------------------------------|
| 1    | 1     | 10A12000-058  | ASSEMBLY, VENTRAL FIN, AT802                |
| 2    | 1     | 10A12000-072  | ASSY, FAIRING, RH, AFT, VENTRAL FIN, AT802  |
| 3    | 1     | 10A12000-073  | ASSY, FAIRING, LH, AFT, VENTRAL FIN, AT802  |
| 4    | 1     | 10A12000-074  | ASSY, FAIRING, RH, FWD, TAIL, AT802         |
| 5    | 1     | 10A12000-075  | ASSY, FAIRING, LH, FWD, TAIL, AT802         |
| 6    | 1     | 10A12234-004  | MOUNT, VENTRAL FIN, AFT                     |
| 7    | 2     | 30A02084-005  | BUSHING - STRUT (.38 DIA BOLT)              |
| 8    | 1     | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
| 9    | 55    | AN526C-1032R8 | SCREW                                       |
| 10   | 1     | AN6-32A       | BOLT, 3/8-24, 2.6875 GRIP, UNDRILLED, STEEL |
| 11   | 1     | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 12   | 1     | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF    |
| 13   | 22    | MS21047L3     | NUT PLATE, FIXED, STEEL, PLAIN, 10-32       |
| 14   | 2     | MS21266-1N    | GROMMET EDGING, 1 FT                        |
| 15   | 1     | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |
| 16   | 1     | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL           |
| 17   | 18 FT | PM-T1         | TAPE, LEADING EDGE, 1" X 100FT              |
| 18   | 2 FT  | S2145-1       | CHANNEL, RUBBER. 5/8"                       |

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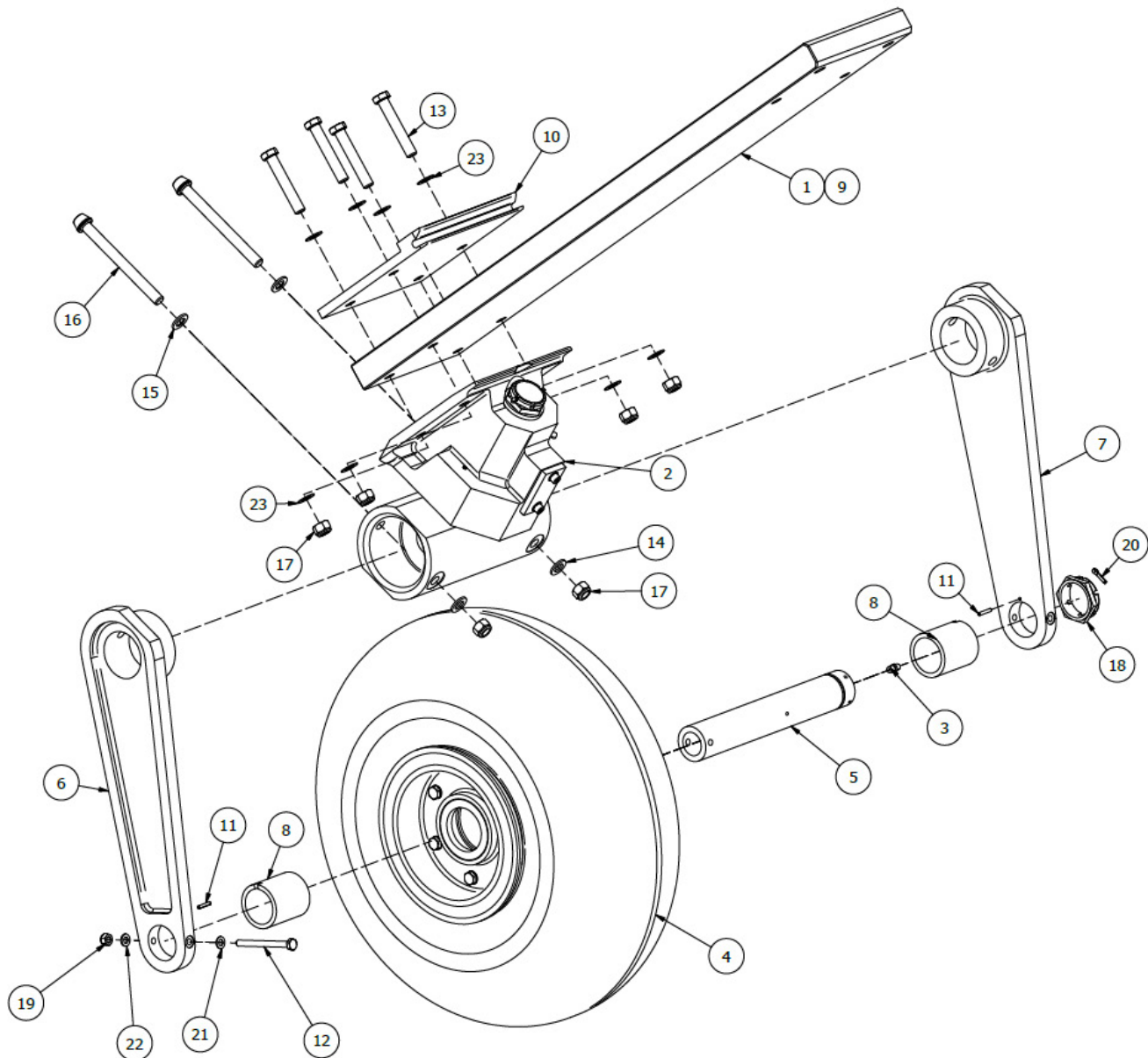
## **SECTION 3**

# **LANDING GEAR**

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## NOSE GEAR LOWER END ASSEMBLY FLOAT SERIAL NUMBERS 10315A & 10316A AND LATER (BACKWARDS COMPATIBLE)

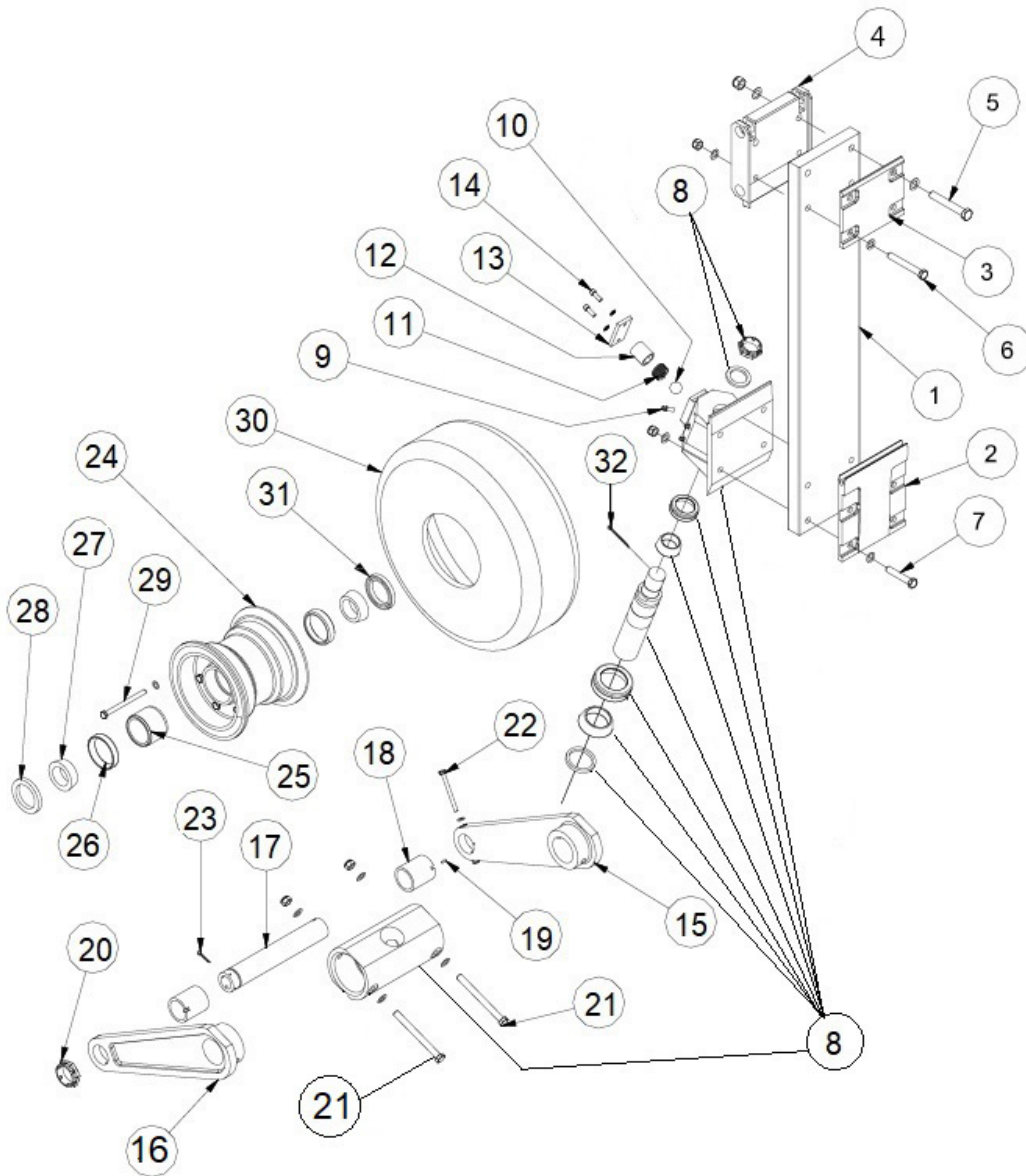


\* 1012008 Nose Gear Assembly is available to earlier floats as it is backwards compatible for legacy floats. Assembly is standard on floats 10315A & 10316A and later. Nose spring available in white or yellow.

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| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| -    | 1   | 1012008       | ASSEMBLY, NOSE GEAR, 10000                   |
| 1    | 1   | 1001879       | SPRING, NOSE GEAR, WHITE                     |
| 2    | 1   | 1012007       | ASSEMBLY, PIVOT BLOCK AND YOKE (SEE DETAIL)  |
| 3    | 1   | 1095K41       | COMMON GREASEZERK                            |
| 4    | 1   | 13A06000-015  | ASSEMBLY, NOSE WHEEL, 13000                  |
| 5    | 1   | 13A06097-001  | AXLE, NOSE WHEEL                             |
| 6    | 1   | 13A06199-007  | LEG, NOSE WHEEL FORK, LEFT                   |
| 7    | 1   | 13A06199-008  | LEG, NOSE WHEEL FORK, RIGHT                  |
| 8    | 2   | 13A06251-002  | SPACER - NOSE                                |
| 9    | 1   | 13A06633-001  | SPRING, NOSE GEAR, YELLOW                    |
| 10   | 1   | 13A07232-001  | PLATE - BEARING, NOSE SPRING                 |
| 11   | 2   | 215-125-0750  | PIN, ROLL, 1/8 X 3/4, SPRING                 |
| 12   | 1   | AN4-27A       | BOLT, 1/4-28, 2.4375 GRIP, UNDRILLED, STEEL  |
| 13   | 4   | AN7-24A       | BOLT, 7/16-20, 1.9375 GRIP, UNDRILLED, STEEL |
| 14   | 2   | MS20002-7     | WASHER, HIGH STRENGTH, PLAIN, 7/16           |
| 15   | 2   | MS20002C7     | WASHER, HIGH STRENGTH, COUNTERSINK, 7/16     |
| 16   | 2   | MS20007-62    | BOLT, INTERNAL WRENCHING                     |
| 17   | 6   | MS20365-720A  | NUT, SELF LOCKING                            |
| 18   | 1   | MS21025-24    | NUT, AXLE                                    |
| 19   | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF     |
| 20   | 1   | MS24665-349   | COTTER PIN                                   |
| 21   | 1   | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL           |
| 22   | 1   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL           |
| 23   | 10  | NAS1149F0732P | WASHER, 0.453 ID, 0.032 THK, STEEL           |

## NOSE GEAR LOWER END ASSEMBLY FLOAT SERIAL NUMBERS 10313A & 10314A AND PRIOR



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                    |
|------|-----|---------------|-----------------------------------------------------|
| 1    | 1   | 13A06633-001  | SPRING – NOSE (YELLOW)                              |
|      | 1   | 1001879       | SPRING – NOSE (WHITE)                               |
| 2    | 1   | 13A07232-001  | PLATE - UP STOP                                     |
| 3    | 1   | 13A07212-002  | PLATE, NOSE SPRING UPPER                            |
| 4    | 1   | 13A07080-001  | TROLLEY                                             |
| 5    | 2   | AN8-33A       | BOLT, 1/2-20 THREAD, 2-11/16" GRIP, 3-15/32" LENGTH |
|      | 2   | NAS1149F0863P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 1/2"     |
|      | 2   | NAS1149F0832P | WASHER, 0.515 ID, 0.032 THK, STEEL                  |
|      | 2   | MS21044N8     | NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF            |

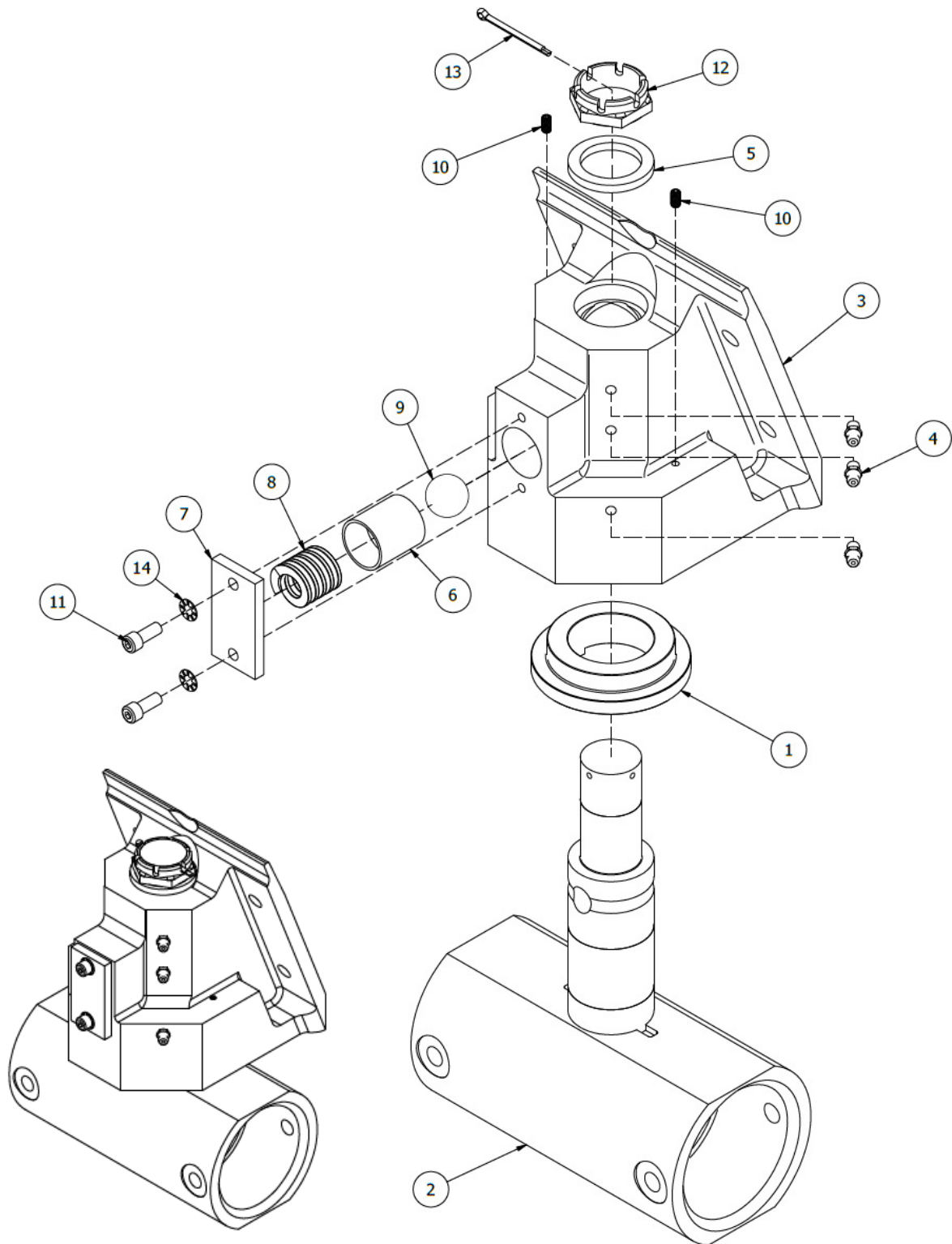
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                    |
|------|-----|---------------|---------------------------------------------------------------------|
| 6    | 2   | AN7-31A       | BOLT, 7/16-20 THREAD, 2-9/16" GRIP, 3-7/32" LENGTH                  |
|      | 2   | NAS1149F0763P | WASHER, 0.453 ID, 0.063 THK, STEEL                                  |
|      | 2   | NAS1149F0732P | WASHER, 0.453 ID, 0.032 THK, STEEL                                  |
|      | 2   | MS21044N7     | NUT, LOCKING, REGULAR HEIGHT, 7/16-20 UNF                           |
| 7    | 4   | AN7-24A       | BOLT, 7/16-20 THREAD, 1-15/16" GRIP, 2-19/32" LENGTH                |
|      | 8   | NAS1149F0732P | WASHER, 0.453 ID, 0.032 THK, STEEL                                  |
|      | 4   | MS21044N7     | NUT, LOCKING, REGULAR HEIGHT, 7/16-20 UNF                           |
| 8    | 1   | 10A06000-039  | PIVOT BLOCK ASSY.                                                   |
|      | 1   | 10A06000-034  | PIVOT BLOCK                                                         |
|      | 1   | 10A06000-036  | CONTACT BEARING CUP & CONE ASSEMBLY SOLD AS A SET ONLY (SHRINK FIT) |
|      | 1   | 10A06000-037  | CONTACT BEARING CUP & CONE ASSEMBLY SOLD AS A SET ONLY (SHRINK FIT) |
|      | 1   | MS21025-20    | CASTLE NUT                                                          |
|      | 1   | 10A06462-020  | WASHER - NOSE PIVOT                                                 |
|      | 1   | 13A06098-001  | YOKE, NOSE WHEEL FORK                                               |
|      | 1   | 10A06090-004  | SPACER, PIVOT PIN                                                   |
| 9    | 3   | 1095K41       | GREASE ZERK                                                         |
| 10   | 1   | 9528K32       | BALL BEARING                                                        |
| 11   | 1   | 3A06525-002   | SPRING                                                              |
| 12   | 1   | 10A06512-004  | RETAINER - NOSE PIVOT BALL                                          |
| 13   | 1   | 3A06037-001   | CAP - PIVOT BLOCK                                                   |
| 14   | 2   | MS16997-60    | SCREW, CAP, SOCKET HEAD, 1/4-20X1.500, STEEL                        |
|      | 2   | MS35333-40    | STAR WASHER                                                         |
| 15   | 1   | 13A06199-007  | LEG - NOSE FORK LT.                                                 |
| 16   | 1   | 13A06199-008  | LEG - NOSE FORK RT.                                                 |
| 17   | 1   | 13A06097-001  | AXLE - NOSE WHEEL                                                   |
|      | 1   | 1095K41       | GREASE ZERK                                                         |
| 18   | 2   | 13A06251-002  | SPACER - AXLE                                                       |
| 19   | 2   | 215-125-0750  | ROLL PIN                                                            |
| 20   | 1   | MS21025-24    | NUT, AXLE                                                           |
| 21   | 2   | AN7-43A       | BOLT, 7/16-20 THREAD, 3-13/16" GRIP, 4-15/32" LENGTH                |
|      | 2   | NAS1149F0763P | WASHER, 0.453 ID, 0.063 THK, STEEL                                  |
|      | 2   | NAS1149F0732P | WASHER, 0.453 ID, 0.032 THK, STEEL                                  |
|      | 2   | MS21044N7     | NUT, LOCKING, REGULAR HEIGHT, 7/16-20 UNF                           |
| 22   | 1   | AN4-27A       | BOLT, 1/4-28 THREAD, 2-7/16" GRIP, 2-29/32" LENGTH                  |
|      | 2   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                                  |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                            |
| 23   | 1   | MS24665-349   | COTTER PIN                                                          |
| 24   | 1   | 13A06000-015  | NOSE WHEEL ASSEMBLY ( W/ TIRE & TUBE)                               |
|      | 1   | 40-426        | WHEEL ASSEMBLY (INCLUDES 25 THRU 31)                                |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 25   | 1   | 067-14700     | GREASE RETAINER                              |
| 26   | 2   | 13836         | CUP - BEARING                                |
| 27   | 2   | 13889         | CONE - BEARING                               |
| 28   | 1   | 472439        | SEAL - OUTSIDE (UNDRILLED)                   |
| 29   | 6   | AN5-35A       | BOLT, 5/16-24, 3.1875 GRIP, UNDRILLED, STEEL |
|      | 12  | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL           |
|      | 6   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24  |
| 30   | 1   | AA1E6*        | TIRE 600 X 6 8 PLY                           |
|      | 1   | XA1AD*        | TUBE 600 X 6                                 |
| 31   | 1   | 1002264       | SEAL – INSIDE (DRILLED)                      |
| 32   | 1   | MS24665-359   | 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.



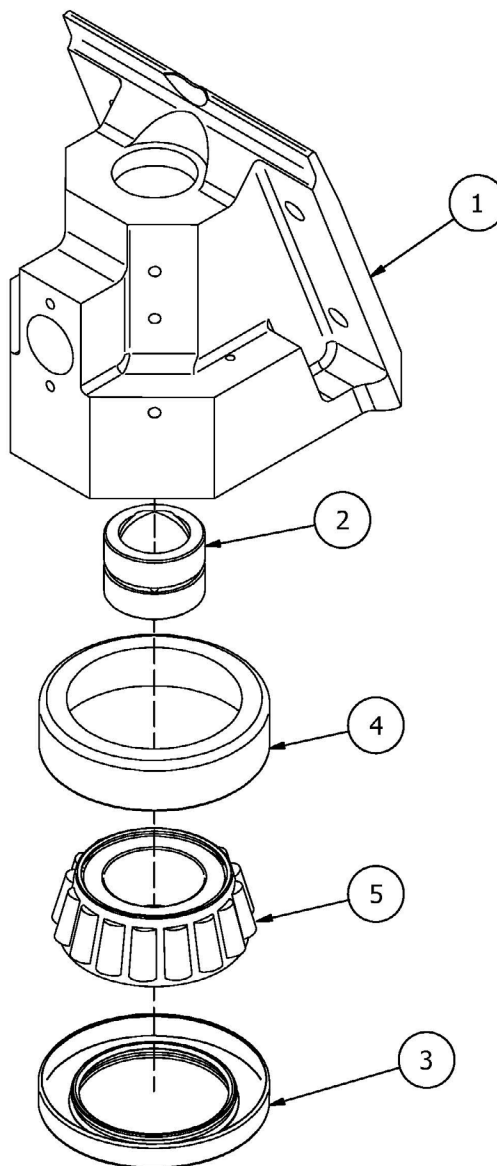
## PIVOT BLOCK AND YOKE ASSEMBLY FLOAT SERIAL NUMBERS 10315A & 10316A AND LATER (BACKWARDS COMPATIBLE)



\* 1012007 Pivot Block and Yoke Assembly is available to earlier floats as it is backwards compatible for legacy floats. Assembly is standard on floats 10315A & 10316A and later.

| ITEM | QTY | PART NO.     | PART DESCRIPTION                    |
|------|-----|--------------|-------------------------------------|
| -    | 1   | 1012007      | ASSEMBLY, PIVOT BLOCK AND YOKE      |
| 1    | 1   | 1011924      | SPACER                              |
| 2    | 1   | 1012005      | ASSEMBLY, YOKE AND PIN              |
| 3    | 1   | 1012006      | ASSEMBLY, PIVOT BLOCK WITH BEARINGS |
| 4    | 3   | 1095K41      | COMMON GREASEZERK                   |
| 5    | 1   | 10A06462-020 | WASHER, NOSE PIVOT                  |
| 6    | 1   | 10A06512-004 | RETAINER - NOSE PIVOT BALL          |
| 7    | 1   | 3A06037-001  | CAP - PIVOT BLOCK                   |
| 8    | 1   | 3A06525-002  | SPRING, CENTERING, NOSE GEAR        |
| 9    | 1   | 9528K32      | BALL BEARING                        |
| 10   | 2   | 98637A365    | SET SCREW, 10-32 X 3/8"             |
| 11   | 2   | MS16997-60   | SOCKET HEAD CAP SCREW               |
| 12   | 1   | MS21025-20   | NUT, AXLE                           |
| 13   | 1   | MS24665-359  | COTTER PIN                          |
| 14   | 2   | MS35333-40   | STAR WASHER                         |

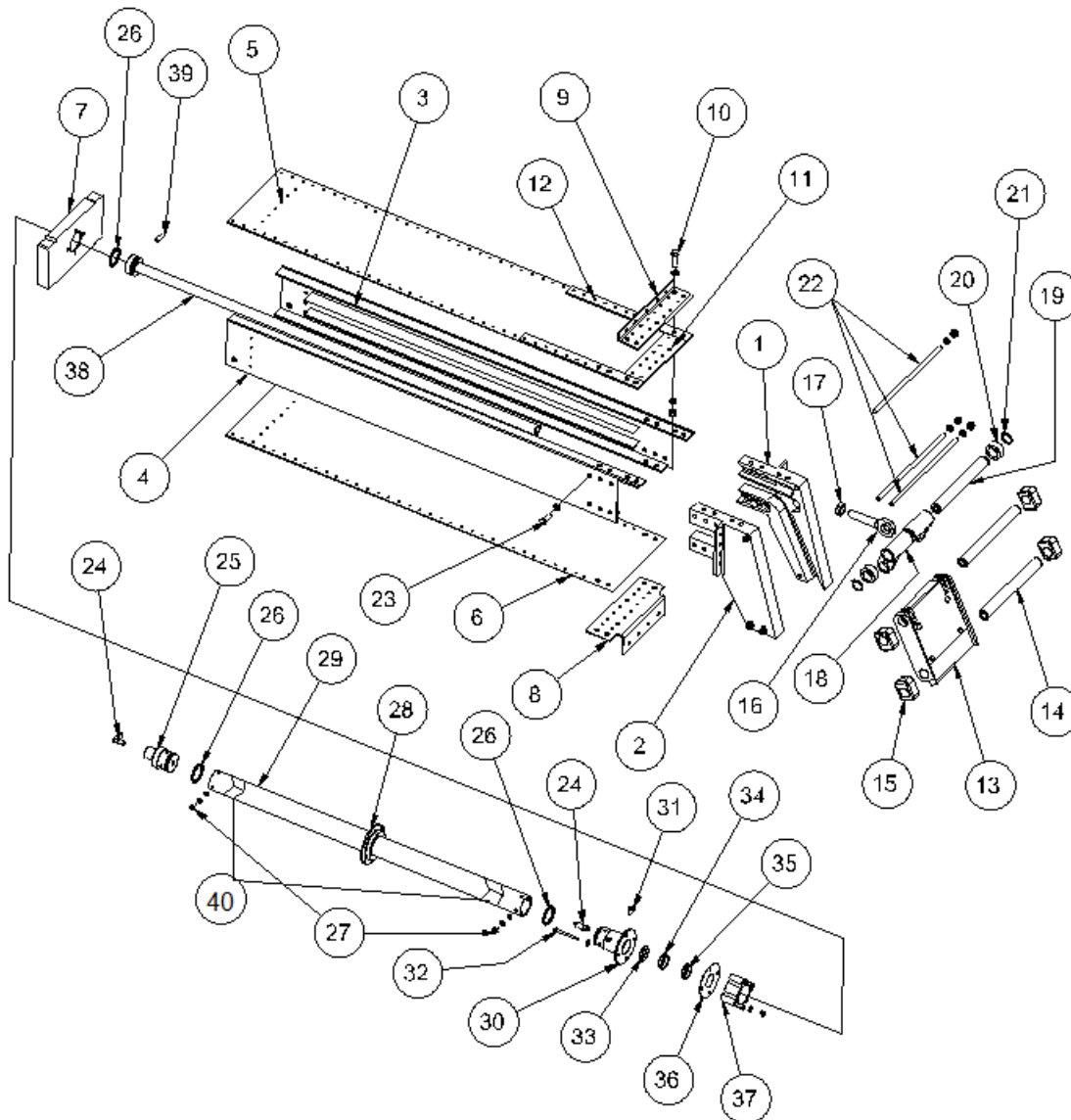
## PIVOT BLOCK WITH BEARINGS ASSEMBLY FLOAT SERIAL NUMBERS 10315A & 10316A AND LATER (BACKWARDS COMPATIBLE\*)



| ITEM | QTY | PART NO. | PART DESCRIPTION                                       |
|------|-----|----------|--------------------------------------------------------|
| -    | 1   | 1012006  | ASSEMBLY, PIVOT BLOCK WITH BEARINGS                    |
| 1    | 1   | 1011923  | PIVOT BLOCK                                            |
| 2    | 1   | 1012004  | BUSHING, BRONZE                                        |
| 3    | 1   | 1012380  | SEAL, PIVOT BLOCK (TIMKEN 477069, #50 WEEP HOLE ADDED) |
| 4    | 1   | 49520    | CUP, BEARING, ROLLER, TAPERED                          |
| 5    | 1   | 49576    | CONE, BEARING, ROLLER, TAPERED                         |

\* 1012008 Pivot Block with Bearings is available to earlier floats as it is backwards compatible, but only as part of assembly 1012007 or higher. Assembly is standard on floats 10315A & 10316A and later.

## NOSE GEAR RETRACTION ASSEMBLY (T-SEALS INSTALLED)

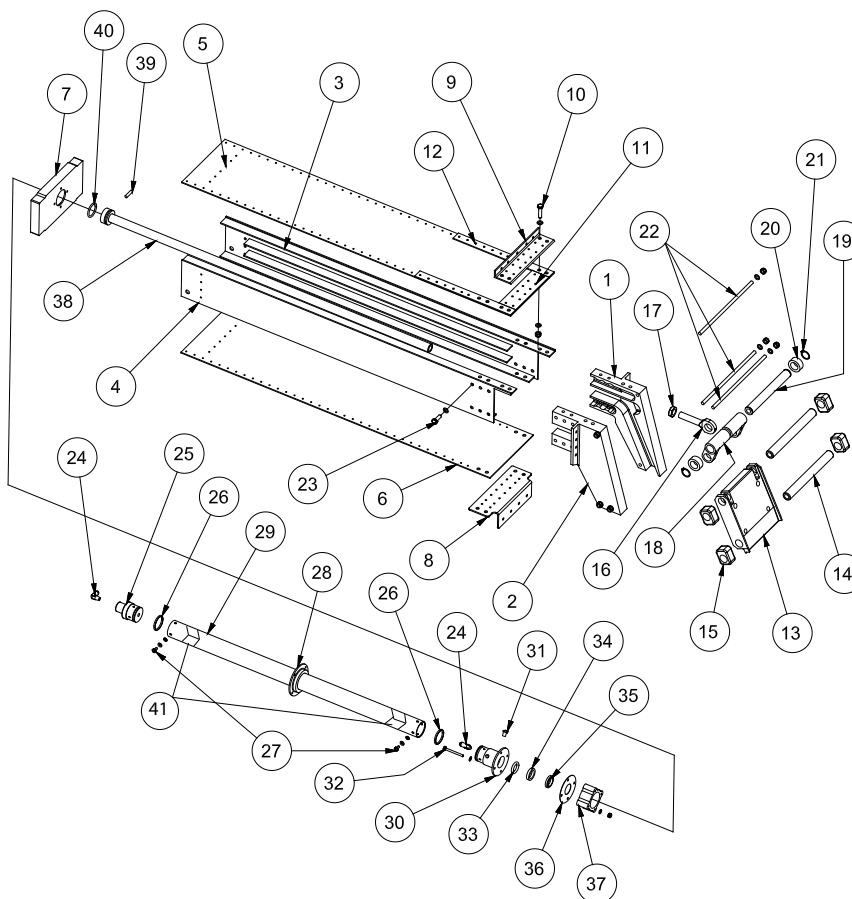


| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
| 1    | 1   | 13A07104-001  | TRACK - FRONT LT.                                         |
| 2    | 1   | 13A07104-002  | TRACK - FRONT RT.                                         |
| 3    | 1   | 13A07373-001  | TRACK - SIDE LT.                                          |
| 4    | 1   | 13A07373-002  | TRACK - SIDE RT.                                          |
| 5    | 1   | 13A07156-082  | COVER - NOSE BOX - TOP                                    |
|      | 4   | AN5-6A        | BOLT, AIRFRAME, 5/16-24 THREAD, 5/16" GRIP, 27/32" LENGTH |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 6    | 1   | 13A07156-083  | COVER - NOSE BOX - BOTTOM                                 |
| 7    | 1   | 13A07201-003  | END CAP - NOSE BOX                                        |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
| 8    | 1   | 13A07160-011  | ANGLE - NOSE BOX - BOTTOM                                 |
|      | 4   | AN5-6A        | BOLT, AIRFRAME, 5/16-24 THREAD, 5/16" GRIP, 27/32" LENGTH |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 9    | 1   | 13A07357-048  | ANGLE - NOSE BOX - TOP                                    |
| 10   | 4   | AN5-12A       | BOLT SIZE 5/16-24 LENGTH 1/64 - 1-11/32 GRIP LENGTH 13/16 |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 11   | 1   | 13A07156-086  | SPACERS - NOSE BOX                                        |
| 12   | 2   | 13A07156-087  | SPACERS - NOSE BOX                                        |
| 13   | 1   | 13A07080-001  | TROLLEY - NOSE GEAR                                       |
| 14   | 2   | 13A07475-001  | AXLE - NOSE GEAR TROLLEY                                  |
| 15   | 4   | 10A07595-001  | BLOCK - SLIDE                                             |
| 16   | 1   | 13A07257-003  | ROD END                                                   |
| 17   | 1   | AN316-10R     | JAMB NUT                                                  |
| 18   | 2   | 13A07185-004  | LINK - NOSE GEAR RAM                                      |
| 19   | 1   | 13A07475-002  | AXLE - LINK - NOSE GEAR                                   |
| 20   | 2   | 13A07543-003  | ROLLER - LOCK                                             |
| 21   | 2   | 5100-87-H     | SNAP RING                                                 |
| 22   | 3   | 13A07476-001  | ROD - NOSE GEAR TRACK                                     |
|      | 6   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 6   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 5/16-24        |
| 23   | 12  | AN5-7A        | BOLT, AIRFRAME, 5/16-24 THREAD, 7/16" GRIP, 31/32" LENGTH |
|      | 24  | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL                        |
|      | 12  | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 24   | 2   | MS20822-4D    | ELBOW FITTING, FLARED TUBE AND PIPE THREADS, 90 DEG       |
| 25   | 1   | 1002236       | ASSEMBLY CYLINDER - END CAP                               |
| 26   | 2   | 1002229       | PISTON, T SEAL                                            |
| 27   | 8   | NAS1103-2     | BOLT                                                      |
|      | 8   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM                     |
|      | 8   | MS35333-39    | WASHER - STAR                                             |
|      | 8   | NAS1149D0363J | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                     |
| 28   | 1   | 6A05181-001   | SUPPORT RING - CYLINDER                                   |
|      | 1   | MS28775-327   | "O" RING, DIA 1.725                                       |
| 29   | 1   | 1002014       | CYLINDER - OUTSIDE                                        |
| 30   | 1   | 1002237       | FLANGE - NOSE CYLINDER                                    |
| 31   | 1   | 1231K2        | OILER                                                     |
| 29   | 1   | 1002014       | CYLINDER - OUTSIDE                                        |
| 30   | 1   | 1002237       | FLANGE - NOSE CYLINDER                                    |
| 31   | 1   | 1231K2        | OILER                                                     |
| 32   | 4   | AN3-20A       | BOLT, 10-32, 1.625 GRIP, UNDRILLED STEEL                  |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                        |
|------|-----|---------------|-----------------------------------------|
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL      |
|      | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF |
| 33   | 2   | 1002230       | ROD, T -SEAL                            |
| 34   | 1   | 6A07580-005   | FELT - WIPER                            |
| 35   | 1   | 8880510       | WIPER - NYLON                           |
| 36   | 1   | 6A07158-129   | SPACER – NOSE CYLINDER                  |
| 37   | 1   | 6A07264-003   | SPACER - FLANGE                         |
| 38   | 1   | 13A07000-012  | ASSEMBLY - RAM                          |
| 39   | 1   | 3A05701-001   | MAGNET, HOOK LATCH, MAIN GEAR           |
| 40   | 2   | 3A07005-178   | CLIP, SWITCH, NOSE & MAIN               |

## NOSE GEAR RETRACTION ASSEMBLY (O-RINGS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
| 1    | 1   | 13A07104-001  | TRACK – FRONT L.                                          |
| 2    | 1   | 13A07104-002  | TRACK – FRONT R.                                          |
| 3    | 1   | 13A07373-001  | TRACK – SIDE L.                                           |
| 4    | 1   | 13A07373-002  | TRACK – SIDE R.                                           |
| 5    | 1   | 13A07156-082  | COVER – NOSE BOX – TOP                                    |
|      | 4   | AN5-6A        | BOLT, AIRFRAME, 5/16-24 THREAD, 5/16" GRIP, 27/32" LENGTH |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 6    | 1   | 13A07156-083  | COVER – NOSE BOX – BOTTOM                                 |
| 7    | 1   | 13A07201-003  | END CAP – NOSE BOX                                        |
| 8    | 1   | 13A07160-011  | ANGLE – NOSE BOX – BOTTOM                                 |
|      | 4   | AN5-6A        | BOLT, AIRFRAME, 5/16-24 THREAD, 5/16" GRIP, 27/32" LENGTH |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 9    | 1   | 13A07357-048  | ANGLE – NOSE BOX – TOP                                    |

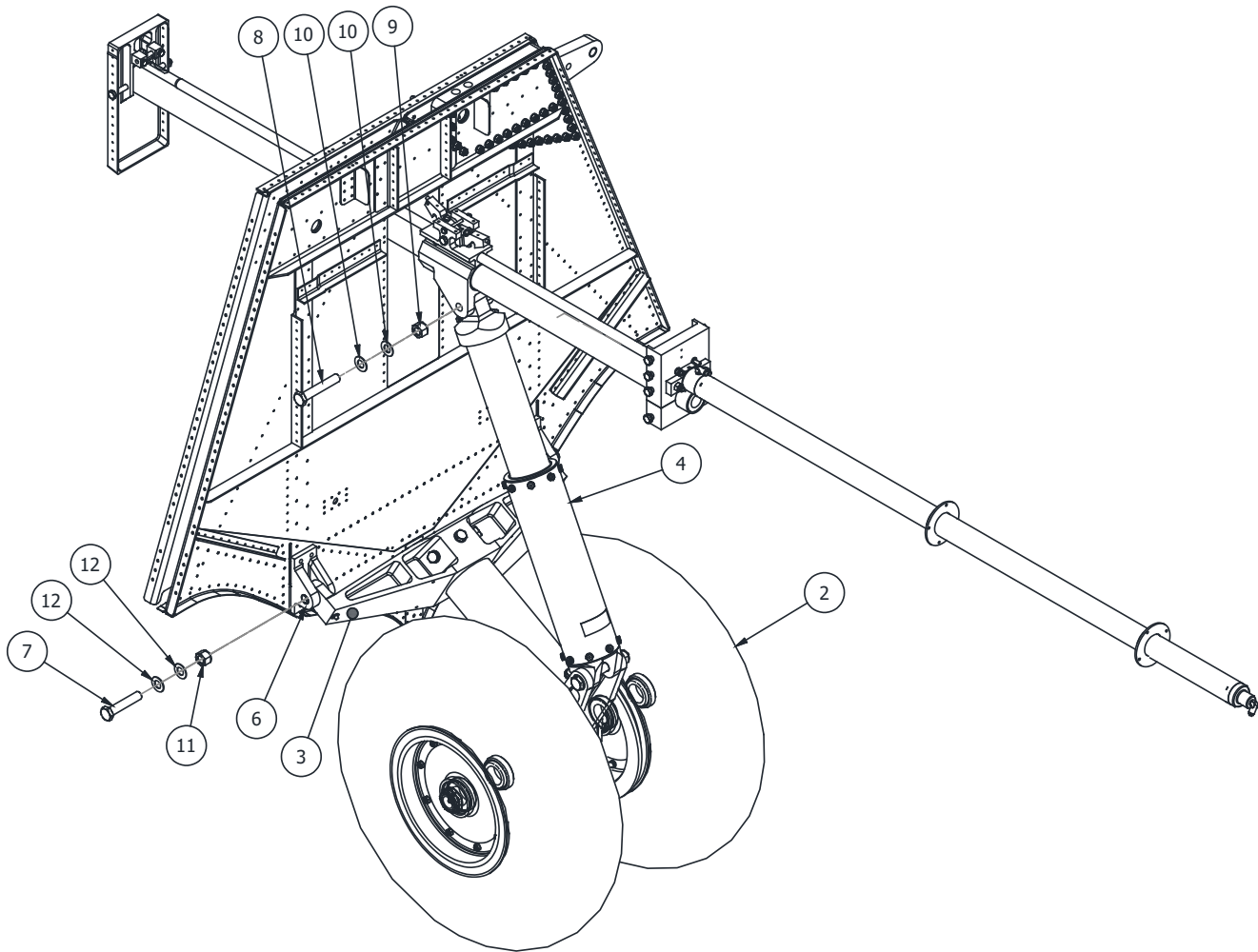
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
| 10   | 4   | AN5-12A       | BOLT SIZE 5/16-24 LENGTH 1/64 - 1-11/32 GRIP LENGTH 13/16 |
|      | 8   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 11   | 1   | 13A07156-086  | SPACERS – NOSE BOX                                        |
| 12   | 2   | 13A07156-087  | SPACERS – NOSE BOX                                        |
| 13   | 1   | 13A07080-001  | TROLLEY – NOSE GEAR                                       |
| 14   | 2   | 13A07475-001  | AXLE – NOSE GEAR TROLLEY                                  |
| 15   | 4   | 10A07595-001  | BLOCK – SLIDE                                             |
| 16   | 1   | 13A07257-003  | ROD END                                                   |
| 17   | 1   | AN316C10R     | JAMB NUT                                                  |
| 18   | 2   | 13A07185-004  | LINK – NOSE GEAR RAM                                      |
| 19   | 1   | 13A07475-002  | AXLE – LINK – NOSE GEAR                                   |
| 20   | 2   | 13A07543-003  | ROLLER – LOCK                                             |
| 21   | 2   | 5100-87-H     | SNAP RING                                                 |
| 22   | 3   | 13A07476-001  | ROD – NOSE GEAR TRACK                                     |
|      | 6   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                        |
|      | 6   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                  |
| 23   | 12  | AN5-7A        | BOLT, AIRFRAME, 5/16-24 THREAD, 7/16" GRIP, 31/32" LENGTH |
|      | 24  | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL                        |
|      | 12  | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 24   | 2   | MS20822-4D    | ELBOW FITTING, FLARED TUBE AND PIPE THREADS, 90 DEG       |
| 25   | 1   | 6A05268-001   | CYLINDER – END CAP                                        |
| 26   | 2   | MS28775-220   | O RING, DIA 1.359, AN6227-25                              |
| 27   | 8   | NAS1103-2     | BOLT                                                      |
|      | 8   | NAS1149D0363J | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                     |
|      | 8   | MS35333-39    | WASHER - STAR                                             |
|      |     | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM                     |
| 28   | 1   | 6A05181-001   | SUPPORT RING – CYLINDER                                   |
|      | 1   | MS28775-327   | "O" RING, DIA 1.725                                       |
| 29   | 1   | 13A07116-006  | CYLINDER – OUTSIDE                                        |
| 30   | 1   | 6A07264-002   | FLANGE – NOSE CYLINDER                                    |
| 31   | 1   | 1205K12       | OILER                                                     |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                        |
|      | 8   | MS35333-39    | WASHER - STAR                                             |
| 28   | 1   | 6A05181-001   | SUPPORT RING – CYLINDER                                   |
|      | 1   | MS28775-327   | "O" RING, DIA 1.725                                       |
| 29   | 1   | 13A07116-006  | CYLINDER – OUTSIDE                                        |
| 30   | 1   | 6A07264-002   | FLANGE – NOSE CYLINDER                                    |
| 31   | 1   | 1205K12       | OILER                                                     |
| 32   | 4   | AN3-20A       | BOLT, 10-32, 1.625 GRIP, UNDRILLED STEEL                  |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                        |



PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

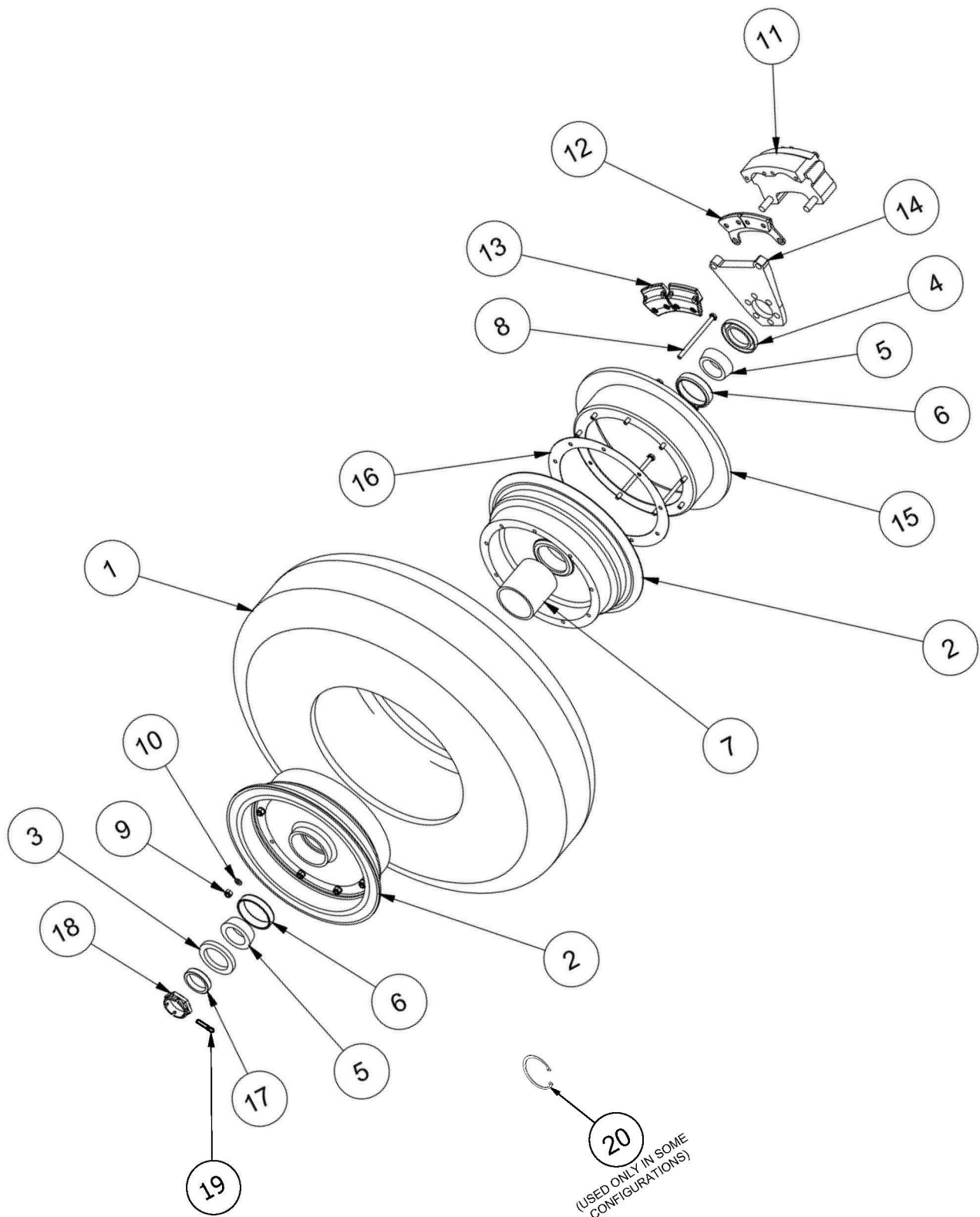
| ITEM | QTY | PART NO.     | PART DESCRIPTION                        |
|------|-----|--------------|-----------------------------------------|
|      | 4   | MS21044N3    | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF |
| 33   | 1   | MS28775-316  | "O" RING, HYDRAULIC                     |
| 34   | 1   | 6A07580-005  | FELT – WIPER                            |
| 35   | 1   | 8880510      | WIPER – NYLON                           |
| 36   | 1   | 6A07158-129  | PLATE – FLANGE                          |
| 37   | 1   | 6A07264-003  | SPACER – FLANGE                         |
| 38   | 1   | 13A07000-012 | ASSEMBLY – RAM                          |
| 39   | 1   | 3A05701-001  | MAGNET, HOOK LATCH, MAIN GEAR           |
| 40   | 1   | MS28775-219  | O RING, DIA 1.296, AN6227-24            |
| 41   | 2   | 3A07005-178  | CLIP, SWITCH, NOSE & MAIN               |

## MAIN GEAR ASSEMBLY



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                       |
|------|-----|---------------|--------------------------------------------------------|
| 1    | 1   | 13A04000-056  | MAIN AXLE SHOCK STRUT WHEEL & BRAKE                    |
| 2    | 2   | 13A04000-055  | MAIN WHEEL ASSEMBLY                                    |
| 3    | 1   | 13A04000-057  | ASSEMBLY, DRAG BRACE, 13000 & 10000                    |
| 4    | 1   | 13A04000-059  | ASSEMBLY - SHOCK STRUT                                 |
| 5    | 1   | 13A04030-002  | ASSEMBLY, TRUNION, DRAG BRACE, RIGHT                   |
| 6    | 1   | 13A04030-003  | ASSEMBLY, TRUNION, DRAG BRACE, LEFT                    |
| 7    | 2   | AN10-32A      | BOLT, 5/8-18 THREAD, STEEL CAD II PLATED               |
| 8    | 1   | AN10-34A      | BOLT, 5/8-18 THREAD, 2-11/16" GRIP, 3-41/64" LENGTH    |
| 9    | 1   | MS21044N10    | NUT, 5/8-18 THREAD, NYLON INSERT, 250 DEG              |
| 10   | 2   | NAS1149F1063P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 5/8"        |
| 11   | 2   | MS21044N10    | NUT, SELFLOCKING, 5/8-18 THREAD, NYLON INSERT, 250 DEG |
| 12   | 4   | NAS1149D1063J | WASHER, ALUMINUM, TO FIT DIA 5/8", ANODIZED FINISH     |

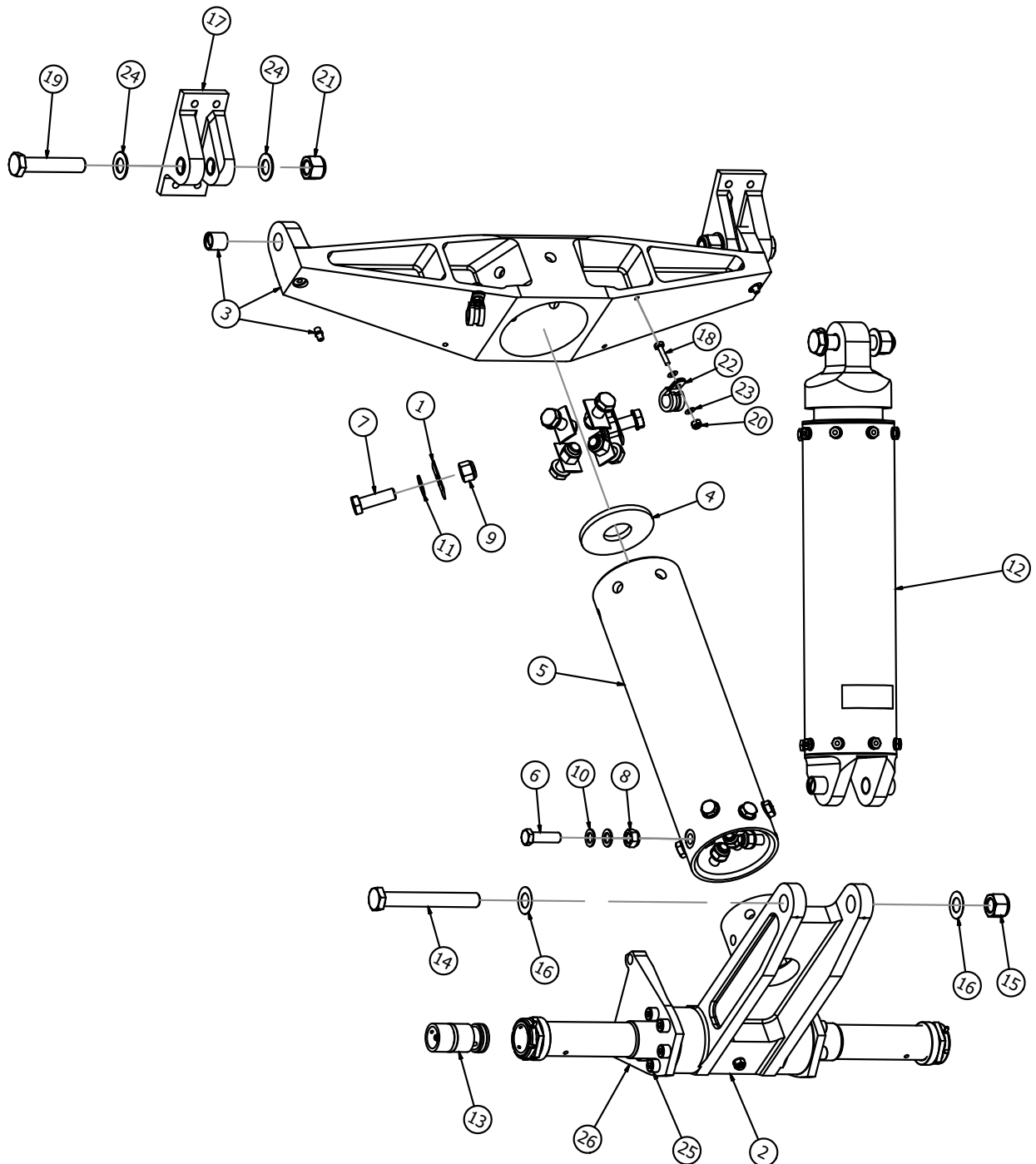
## MAIN GEAR WHEEL ASSEMBLY



| ITEM | QTY | PART NO.       | PART DESCRIPTION                                                              |
|------|-----|----------------|-------------------------------------------------------------------------------|
| -    | -   | 13A04000-055   | MAIN WHEEL ASSEMBLY & TIRE (INCLUDES ITEMS 1 & 2)                             |
| 1    | 1   | AA1N6*         | TIRE, 8.50 X 10.00 - 8, MAIN 10000 & 13000                                    |
|      | 1   | XA1AM*         | TUBE, 8.50 X 10, MAIN 10000 & 13000                                           |
| 2    | 1   | 13A04000-127   | MAIN WHEEL ASSEMBLY (INCLUDES ITEMS 3-10, 15, 16)                             |
|      | 1   | 100-1024 (ALT) | MAIN WHEEL ASSEMBLY (ALT, INCLUDES ITEMS 3-10, 15, 20)                        |
| 3    | 1   | 1001994        | SEAL, OUTER (EXPANDED VERSION FOR 13A04000-127 ASS'Y)                         |
|      | 1   | 472439         | SEAL, OUTER (FOR 100-1024 ASS'Y, ADD #50 VENT HOLE)                           |
| 4    | 1   | 1001996        | SEAL, INNER (EXPANDED VERSION FOR 13A04000-127 ASS'Y)                         |
|      | 1   | 473232         | SEAL, INNER (FOR 100-1024 ASS'Y)                                              |
| 5    | 2   | LM29749        | BEARING, CONE, NON-CHROME, 2-1/2" DIA                                         |
| 6    | 2   | LM29710        | BEARING, CUP, NON-CHROME, 2-3/8" DIA                                          |
| 7    | 1   | 067-06300      | SPACER, GREASE RETAINER (USED IN 13A04000-127 ASS'Y)                          |
|      | 1   | 026-016        | SPACER, GREASE RETAINER (USED IN 100-1024 ASS'Y)                              |
|      | 2   | MS28775-035    | O-RING (NOT SHOWN, USED IN 100-1024 ASS'Y)                                    |
| 8    | 9   | AN4-40A        | BOLT, AIRFRAME, 1/4-28 THREAD, 3-9/16" GRIP, 4-1/32" LENGTH                   |
| 9    | 9   | MS21044N4      | NUT, HEX LOCKING NYLON INSERT, 1/4-28                                         |
| 10   | 15  | NAS1149F0463P  | WASHER FLAT, SCREW SIZE 1/4 OD.500 ID.265 THK.063                             |
| 11   | 1   | 13A04000-191   | BRAKE ASSEMBLY, RIGHT                                                         |
|      | 1   | 13A04000-192   | BRAKE ASSEMBLY, LEFT                                                          |
|      | 2   | MS28775-222    | O RING, DIA 1.484                                                             |
| 12   | 1   | 073-01500      | PRESSURE PLATE ASSY, 2 BRAKE LININGS, 4 HOLES, 4-3/4"                         |
|      | 2   | 066-10800      | BRAKE LINING, LENGTH 2-1/4", 2 HOLES 1/8"                                     |
|      | 4   | 105-00200      | RIVET BRAKE LINING, 1/8" DIA, GOLD                                            |
| 13   | 2   | 074-01300      | BACK PLATE, BREAK LINING, LENGTH 2-1/2", 2 HOLES 1/4"                         |
|      | 1   | 066-10800      | BRAKE LINING, LENGTH 2-1/4", 2 HOLES 1/8"                                     |
|      | 2   | 105-00200      | RIVET BRAKE LINING, 1/8" DIA, GOLD                                            |
|      | 1   | 081-00200      | BLEEDER SEAT FITTING, 1/4" HOLE INSERT, 1/2" SCREW                            |
|      | 1   | 079-00300      | BLEEDER SCREW, A30085, 79-3, 1/4"                                             |
| 14   | 1   | 075-04200      | TORQUE PLATE, 1-3/4" DIA, LENGTH 6-1/2"                                       |
|      | 6   | MS16997-99     | SCREW, CAP, SOCKET HEAD, 3/8-16 X 1.000, STEEL                                |
| 15   | 1   | 164-03006      | BRAKE DISC, (USED IN 13A04000-127 ASS'Y)                                      |
|      | 1   | 018-140        | BRAKE DISC, NON-CHROME (USED IN 100-1024 ASS'Y)                               |
| 16   | 1   | 13A04620-002   | SPACER, TEFLON                                                                |
| 17   | 1   | 6A04093-002    | SPACER, MAIN WHEEL AXLE                                                       |
| 18   | 1   | MS21025-24     | NUT, AXLE                                                                     |
| 19   | 1   | MS24665-349    | COTTER PIN                                                                    |
| 20   | 1   | HO-262 STZD    | SNAP RING, STEEL, ZINC DICHROMATE (ORIGINAL EQUIP FOR 100-1024 ASSEMBLY ONLY) |
|      | 1   | HO-262 SS      | SNAP RING, STAINLESS (ALT, 100-1024 ASSEMBLY ONLY)                            |

\* 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 ASSEMBLY

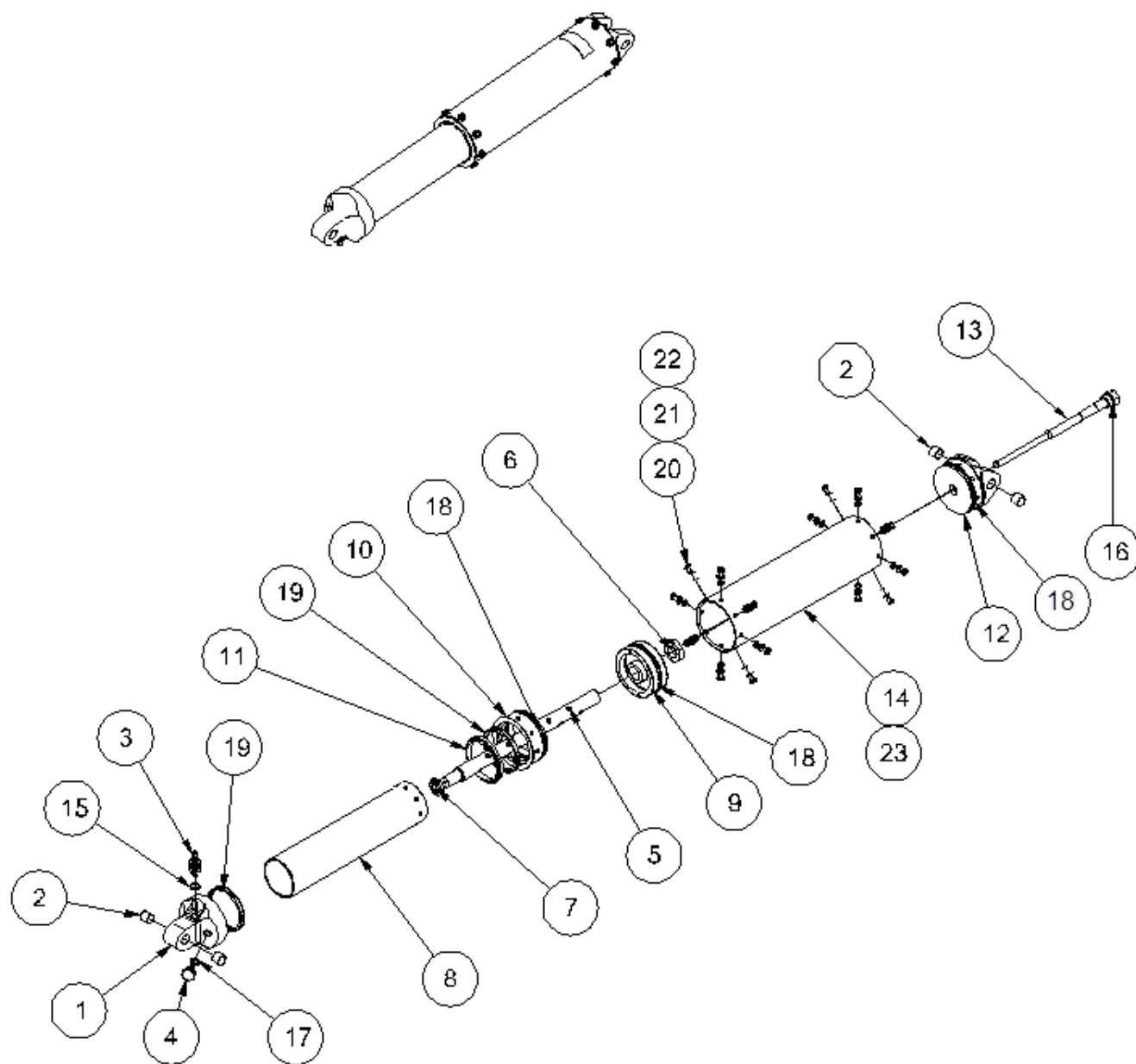


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10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                             |
|------|-----|---------------|--------------------------------------------------------------|
| 1    | 6   | 1008027       | WASHER, CUSTOM, DRAG BRACE                                   |
| 2    | 1   | 13A04000-058  | AXLE ASSY.-MAIN GEAR                                         |
| 3    | 1   | 13A04081-001  | ASSEMBLY, DRAG BRACE (INCLUDES BUSHINGS AND GREASE FITTINGS) |
|      | 2   | 1001886-01    | BUSHING, SLEEVE OIL GROOVED (.625"ID X .750"OD X .750"L)     |
|      | 2   | 1095K41       | FITTING, 1/4-28 MALE & BALL VALVE, 10PCS/PKG, 1/2" LENGTH    |
| 4    | 1   | 13A04231-003  | PLUG, DRAG TUBE                                              |
| 5    | 1   | 13A04289-001  | TUBE, MAIN GEAR                                              |
| 6    | 8   | AN7-13A       | BOLT, 7/16-20 THREAD, 13/16" GRIP, 1-15/32" LENGTH           |
| 7    | 6   | AN8-14A       | BOLT, AIRFRAME, 1/2-20 THREAD, 13/16" GRIP, 1-19/32" LENGTH  |
| 8    | 8   | MS21044N7     | NUT, LOCKING, REGULAR HEIGHT, 7/16-20 UNF                    |
| 9    | 6   | MS21044N8     | NUT, SELF LOCKING, 1/2-20 THREAD, NYLON INSERT, 250 DEG.     |
| 10   | 16  | NAS1149D0763J | WASHER, ALUMINUM, TO FIT DIA 7/16", ANODIZED FINISH          |
| 11   | 6   | NAS1149D0863J | WASHER, ALUMINUM, TO FIT DIA 1/2", ANODIZED FINISH           |
| 12   | 1   | 13A04000-059  | ASSEMBLY - SHOCK STRUT                                       |
| 13   | 2   | 6A04263-003   | GREASE INSERT-MAIN AXLE                                      |
|      | 4   | MS28775-214   | O RING, DIA 0.984                                            |
| 14   | 1   | AN10-46A      | BOLT, 5/8-18 THREAD, 3-15/16" GRIP, 4-57/64" LENGTH          |
| 15   | 1   | MS21044N10    | NUT, SELF LOCKING, 5/8-18 THREAD, NYLON INSERT, 250 DEG      |
| 16   | 2   | NAS1149D1016J | WASHER, ALUMINUM, TO FIT DIA 5/8", ANODIZED FINISH           |
| 17   | 1   | 13A04030-003  | ASSEMBLY, TRUNION, DRAG BRACE, LEFT                          |
| 18   | 2   | AN3-7A        | BOLT SIZE 10-32, LENGTH +/- 1/64 - 29/32, GRIP LENGTH 1/2    |
| 19   | 2   | AN10-32A      | BOLT, 5/8-18 THREAD, STEEL CAD II PLATED, NO HOLE SHANK      |
| 20   | 2   | MS21044N3     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 10-32             |
| 21   | 2   | MS21044N10    | NUT, SELF LOCKING, 5/8-18 THREAD, NYLON INSERT, 250 DEG      |
| 22   | 2   | MS21919WDG9   | CLAMP, DIA 9/16", ALUMINUM BAND, CHLOROPRENE CUSHION         |
| 23   | 4   | NAS1149D0316J | WASHER, 0.203 ID, 0.016 THK, ALUMINUM                        |
| 24   | 4   | NAS1149D1063J | WASHER, ALUMINUM, TO FIT DIA 5/8", ANODIZED FINISH           |
| 25   | 12  | MS16997-99    | SCREW, CAP, SOCKET, HEAD                                     |
| 26   | 2   | 075-04200     | TORQUE PLATE                                                 |

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



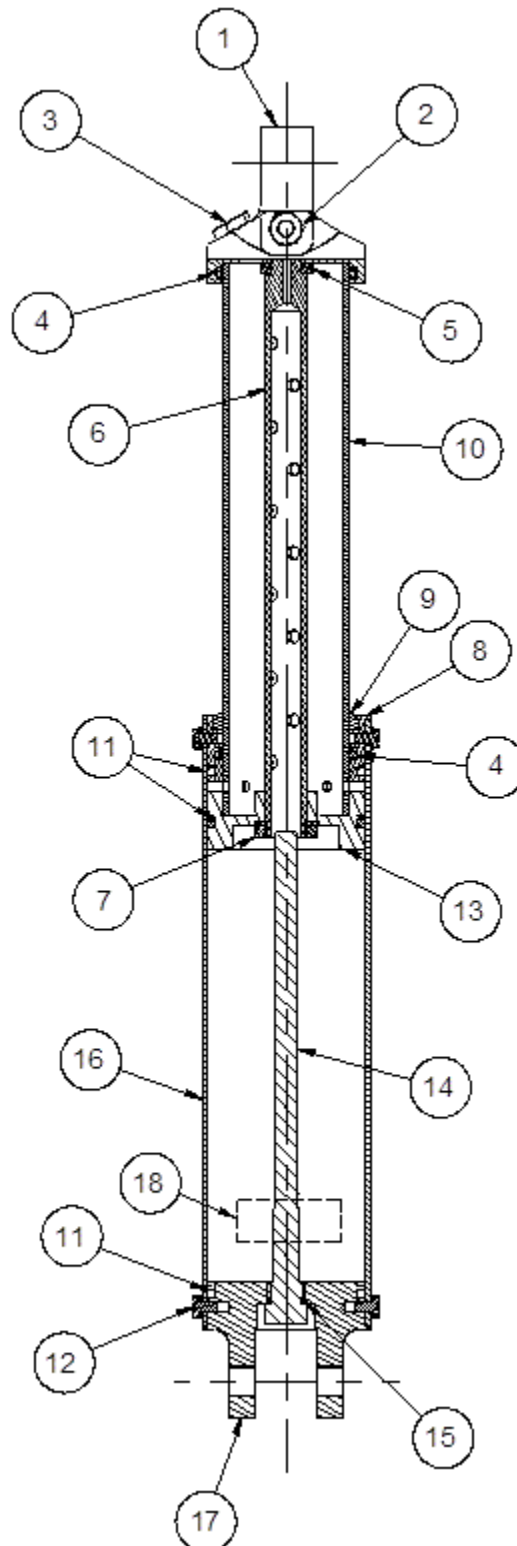
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| ITEM | QTY | PART NO.      | PART DESCRIPTION                                         |
|------|-----|---------------|----------------------------------------------------------|
| -    | 1   | 13A04000-059  | SHOCK STRUT ASSEMBLY (COMPLETE)                          |
| -    | 1   | KT13A04-001   | OLEO REBUILD KIT (INCLUDES ITEMS 11, 15, 16, 17, 18, 19) |
| 1    | 1   | 13A04098-003  | CAP - UPPER END                                          |
| 2    | 4   | 10DU10        | TEFLON LINED BEARING, 5/8" DIA, 5/8" LENGTH              |
| 3    | 1   | MS28889-2     | VALVE                                                    |
| 4    | 1   | 6A04271-003   | PLUG                                                     |
| 5    | 1   | 1001031       | METERING TUBE                                            |
| 6    | 1   | 6A04276-001   | NUT, CHECK, SHOCK STRUT LOWER                            |
| 7    | 1   | 6A04275-001   | NUT, CHECK, SHOCK STRUT UPPER                            |
| 8    | 1   | 13A04498-002  | INNER CYLINDER                                           |
| 9    | 1   | 13A04098-005  | PISTON                                                   |
| 10   | 1   | 13A04297-002  | GLAND                                                    |
| 11   | 1   | 8881910       | WIPER (HALLITE INC.)                                     |
| 12   | 1   | 13A04098-004  | CAP, LOWER END                                           |
| 13   | 1   | 13A04261-006  | METERING PIN                                             |
| 14   | 1   | 13A04119-001  | OUTER CYLINDER                                           |
| 15   | 1   | MS28775-015   | O RING, DIA 0.551                                        |
| 16   | 1   | MS28775-116   | O RING, DIA 0.737, AN6227-14                             |
| 17   | 1   | MS28775-111   | O RING, DIA 0.424, AN6227-9                              |
| 18   | 3   | 1001930       | T-SEAL                                                   |
| 19   | 2   | 1001929       | T-SEAL                                                   |
| 20   | 16  | NAS6204-2     | BOLT, CLOSE TOLERANCE, 1/4-28 UNF, 1.062 GRIP            |
| 21   | 16  | MS35333-40    | STAR WASHER                                              |
| 22   | 16  | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM                    |
| 23   | 1   | 7A3-4089      | PLACARD                                                  |



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

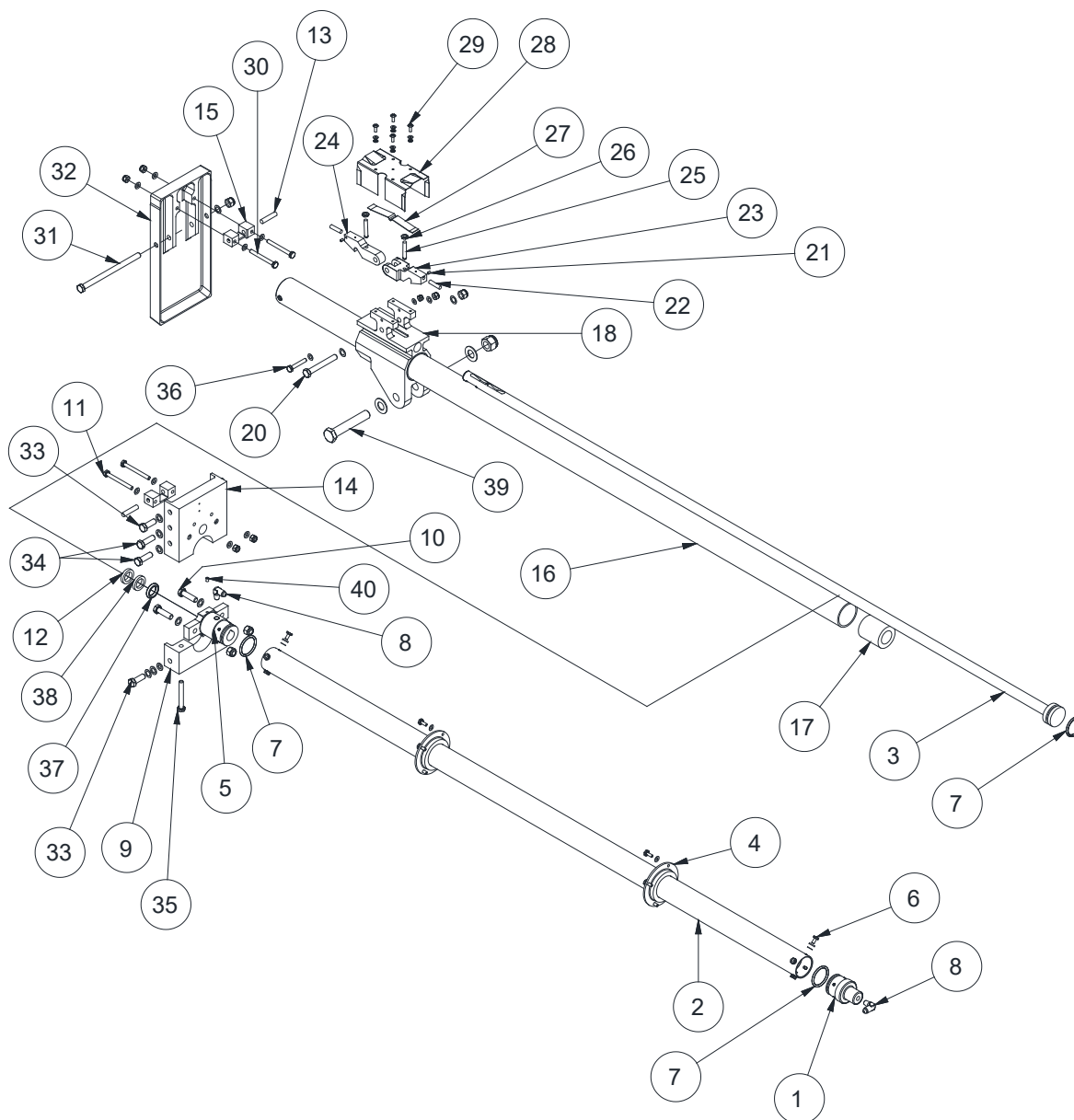


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| ITEM | QTY | PART NO.      | PART DESCRIPTION                              |
|------|-----|---------------|-----------------------------------------------|
| -    | 1   | 13A04000-059  | ASSY SHOCK STRUT (COMPLETE)                   |
| 1    | 1   | 13A04098-003  | CAP UPPER END                                 |
|      | 1   | 10DU10        | TEFLON LINED BEARING, 5/8" DIA, 5/8" LENGTH   |
| 2    | 1   | MS28889-2     | VALVE, AIR, HIGH PRESSURE CHARGING, 5000 PSI  |
|      | 1   | MS28775-015   | O RING, DIA 0.551                             |
| 3    | 1   | 6A04271-003   | CAP-FILLER                                    |
|      | 1   | MS28775-111   | O RING, DIA 0.424, AN6227-9                   |
| 4    | 2   | MS28775-337   | O RING, DIA 2.975                             |
| 5    | 1   | 6A04275-001   | NUT, CHECK, SHOCK STRUT UPPER                 |
| 6    | 1   | 1001031       | METERING TUBE                                 |
| 7    | 1   | 6A04276-001   | NUT, CHECK, SHOCK STRUT LOWER                 |
| 8    | 1   | 13A04297-002  | GLAND                                         |
| 9    | 1   | 8881910       | WIPER                                         |
| 10   | 1   | 13A04498-002  | INNER CYLINDER, SHOCK STRUT                   |
| 11   | 3   | MS28775-340   | O RING, DIA 3.35                              |
| 12   | 16  | NAS6204-2     | BOLT, CLOSE TOLERANCE, 1/4-28 UNF, 1.062 GRIP |
|      | 16  | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM         |
|      | 16  | MS35333-40    | STAR WASHER                                   |
| 13   | 1   | 13A04098-005  | PISTON                                        |
| 14   | 1   | 13A04261-006  | METERING TUBE                                 |
| 15   | 1   | MS28775-116   | O RING, DIA 0.737, AN6227-14                  |
| 16   | 1   | 13A04119-001  | OUTER CYLINDER, SHOCK STRUT                   |
| 17   | 1   | 13A04098-004  | CAP-LOWER END                                 |
|      | 2   | 10DU10        | TEFLON LINED BEARING, 5/8" DIA, 5/8" LENGTH   |
| 18   | 1   | 7A3-4089      | PLACARD                                       |

## MAIN GEAR RETRACTION (T-SEALS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                          |
|------|-----|---------------|-------------------------------------------|
| 1    | 1   | 1002236       | ASSEMBLY CYLINDER - END CAP               |
| 2    | 1   | 1002010       | CYLINDER, RAM, MAIN, 10000 & 13000        |
| 3    | 1   | 1002224       | ASSEMBLY, RAM, MAIN GEAR, 10000 & 13000   |
| 4    | 2   | 6A05181-001   | RING - CYLINDER SUPPORT                   |
|      | 2   | MS28775-327   | "O" RING, DIA 1.725                       |
|      | 8   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL        |
|      | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF   |
| 5    | 1   | 1002235       | ASSEMBLY CYLINDER FLANGE, MAIN GEAR       |

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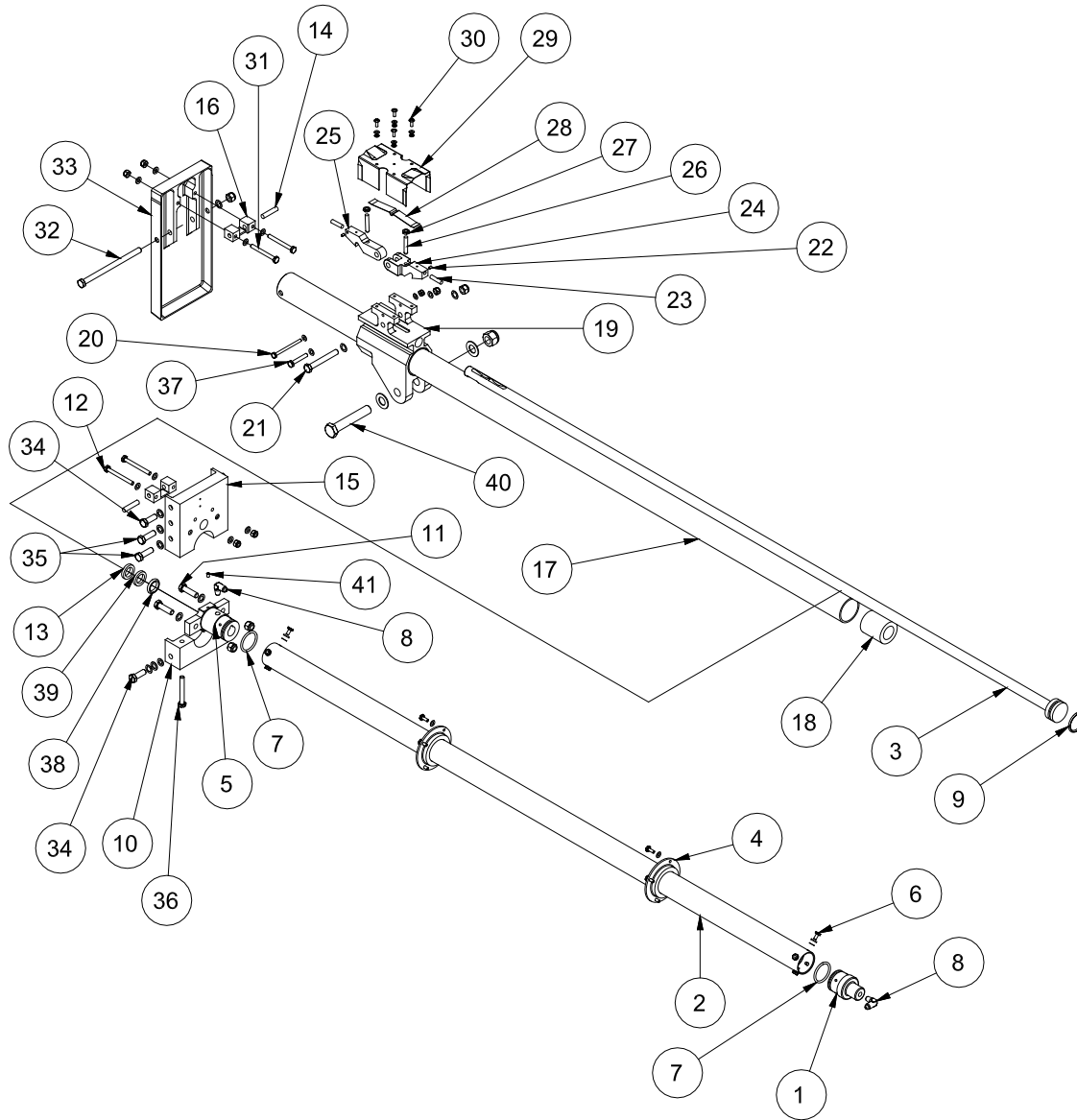
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| ITEM | QTY | PART NO.          | PART DESCRIPTION                                            |
|------|-----|-------------------|-------------------------------------------------------------|
| 6    | 8   | NAS6203-2         | BOLT                                                        |
|      | 8   | NAS1149D0363J     | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                       |
|      | 8   | MS35333-39        | WASHER - STAR                                               |
| 7    | 2   | 1002229           | PISTON, T SEAL                                              |
| 8    | 2   | MS20822-4D        | ELBOW FITTING, FLARED TUBE AND PIPE THREADS, 90 DEG         |
| 9    | 1   | 13A05073-004      | CAP - FITTING, AFT, SLIDE TUBE                              |
| 10   | 2   | AN6-12A           | BOLT, AIRFRAME, 3/8-24 THREAD, 11/16" GRIP, 1-21/64" LENGTH |
|      | 4   | NAS1149F0663P     | WASHER, 0.39 ID, 0.063 THK, STEEL                           |
|      | 2   | MS21044N6         | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 11   | 2   | AN4-24A           | BOLT, AIRFRAME, 1/4-28 THREAD, 2-1/16" GRIP, CARBON STEEL   |
|      | 4   | NAS1149F0463P     | WASHER, 0.265 ID, 0.063 THK, STEEL                          |
|      | 2   | MS21044N4         | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                    |
| 12   | 1   | 8880410           | WIPER - NYLON                                               |
| 13   | 2   | 6A05702-008       | PIN, MAIN GEAR LOCK                                         |
| 14   | 1   | 13A05064-002      | FITTING - AFT, SLIDE TUBE                                   |
| 15   | 2   | 6A05193-001       | CATCH LOCK HOOK                                             |
| 16   | 1   | 13A05120-001      | TUBE, SLIDE, MAIN GEAR                                      |
| 17   | 1   | 13A05099-001      | END, SLIDE TUBE                                             |
| 18   | 1   | 1002239           | CARRIAGE                                                    |
|      | 2   | 32DU16            | BUSHING (GARLOCK X 2)                                       |
| 19   | 1   | AN3-25A           | BOLT, AIRFRAME, 10-32 THREAD, 2-1/4" GRIP, 2-21/32" LENGTH  |
|      | 2   | NAS1149F0363P     | WASHER, 0.203 ID, 0.063 THK, STEEL                          |
|      | 1   | MS21044N3         | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                     |
| 20   | 1   | AN6-26A           | BOLT SIZE 3/8-24, LENGTH 1/64 - 2-53/64, GRIP LENGTH 2-3/16 |
|      | 2   | NAS1149D0663J     | WASHER, 0.39 ID, 0.063 THK, ALUMINUM                        |
|      | 1   | MS21044N6         | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 21   | 2   | 10-32X3/16 S.S.CP | SET SCREW, 10-32 X 3/16 S.S CP                              |
| 22   | 2   | 3A05701-001       | MAGNET, HOOK LATCH, MAIN GEAR                               |
| 23   | 1   | 6A05042-001       | HOOK - MAIN GEAR LOCK                                       |
| 24   | 1   | 6A05041-001       | LOCK - MAIN, FWD, 61, 8, 10, 13                             |
| 25   | 2   | 6A05087-001       | SCREW, ADJUSTING, MAIN GEAR LOCK                            |
| 26   | 2   | AN316-4R          | JAMB NUT                                                    |
| 27   | 1   | 6A05533-001       | SPRING - LOCK                                               |
| 28   | 1   | 6A05158-019       | COVER - CARRIAGE                                            |
| 29   | 4   | AN526-832R8       | SCREW - COVER ATTACH                                        |
|      | 4   | NAS1149FN816P     | WASHER, 0.174 ID, 0.016 THK, STEEL                          |
|      | 4   | MS35333-38        | STAR WASHER                                                 |
| 30   | 2   | AN4-24A           | BOLT, AIRFRAME, 1/4-28 THREAD, 2-1/16" GRIP, CARBON STEEL   |
|      | 4   | NAS1149F0463P     | WASHER, 0.265 ID, 0.063 THK, STEEL                          |
|      | 2   | MS21044N4         | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                    |
| 31   | 1   | AN6-56A           | BOLT, AIRFRAME, 3/8-24 THREAD, 5-3/16" GRIP, 5-53/64 LENGTH |

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| ITEM | QTY | PART NO.      | PART DESCRIPTION                                          |
|------|-----|---------------|-----------------------------------------------------------|
|      | 1   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL                         |
|      | 1   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                  |
| 32   | 1   | 13A01210-003  | FITTING FWD TUNNEL                                        |
| 33   | 4   | AN6-10A       | BOLT, AIRFRAME, 3/8-24 THREAD, 7/16" GRIP, 1-5/64" LENGTH |
|      | 4   | MS1149D0663J  | WASHER                                                    |
|      | 4   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                  |
| 34   | 4   | AN6-11A       | BOLT, 3/8-24, 0.5625 GRIP, UNDRILLED, STEEL               |
|      | 4   | NAS1149D0663J | WASHER, 0.39 ID, 0.063 THK, ALUMINUM                      |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 35   | 2   | AN5H22A       | BOLT, AIRFRAME, 5/16-24 THREAD, 1-13/16" GRIP, STEEL CAD  |
|      | 2   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                        |
|      | 2   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24               |
| 36   | 1   | AN4-14A       | BOLT, 1/4-28, 1.0625 GRIP, UNDRILLED, STEEL               |
|      | 2   | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM                     |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                  |
| 37   | 2   | 1002231       | ROD, T SEAL                                               |
| 38   | 1   | 6A05580-004   | WIPER, MAIN GEAR, 8000, 10, 61                            |
| 39   | 1   | AN10-34A      | BOLT, 5/8-18 THREAD, 2-11/16" GRIP, 3-41/64" LENGTH       |
|      | 2   | NAS1149D1032J | WASHER                                                    |
|      | 1   | MS21044N10    | NUT, LOCKING, REGULAR HEIGHT, 5/8-18 UNF                  |
| 40   | 1   | 1214K1        | COVER, OIL COVER DRIVE IN                                 |

## MAIN GEAR RETRACTION (O-RINGS INSTALLED)



| ITEM | QTY | PART NO.      | PART DESCRIPTION                          |
|------|-----|---------------|-------------------------------------------|
| 1    | 1   | 6A05268-001   | CYLINDER - END CAP                        |
| 2    | 1   | 13A05116-005  | CYLINDER - OUTSIDE                        |
| 3    | 1   | 13A05000-012  | ASSEMBLY - RAM                            |
| 4    | 2   | 6A05181-001   | RING - CYLINDER SUPPORT                   |
|      | 2   | MS28775-327   | "O" RING, DIA 1.725                       |
|      | 8   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL        |
|      | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF   |
| 5    | 1   | 6A05199-001   | FLANGE - CYLINDER END                     |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                            |
|------|-----|---------------|-------------------------------------------------------------|
| 6    | 8   | NAS6203-2     | BOLT                                                        |
|      | 8   | NAS1149D0363J | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                       |
|      | 8   | MS35333-39    | WASHER - STAR                                               |
| 7    | 2   | MS28775-220   | O RING, DIA 1.359, AN6227-25                                |
| 8    | 2   | MS20822-4D    | ELBOW FITTING, FLARED TUBE AND PIPE THREADS, 90 DEG         |
| 9    | 1   | MS28775-219   | O RING, DIA 1.296, AN6227-24                                |
| 10   | 1   | 13A05073-004  | CAP - FITTING, AFT, SLIDE TUBE                              |
| 11   | 2   | AN6-12A       | BOLT, AIRFRAME, 3/8-24 THREAD, 11/16" GRIP, 1-21/64" LENGTH |
|      | 4   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL                           |
|      | 2   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 12   | 2   | AN4-24A       | BOLT, AIRFRAME, 1/4-28 THREAD, 2-1/16" GRIP, CARBON STEEL   |
|      | 4   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                          |
|      | 2   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                    |
| 13   | 1   | 8880410       | WIPER - NYLON                                               |
| 14   | 2   | 6A05702-008   | PIN, MAIN GEAR LOCK                                         |
| 15   | 1   | 13A05064-002  | FITTING - AFT, SLIDE TUBE                                   |
| 16   | 2   | 6A05193-001   | CATCH LOCK HOOK                                             |
| 17   | 1   | 13A05120-001  | TUBE, SLIDE, MAIN GEAR                                      |
| 18   | 1   | 13A05099-001  | END, SLIDE TUBE                                             |
| 19   | 1   | 13A05316-001  | CARRIAGE WITH BUSHINGS                                      |
|      | 2   | 32DU16        | BUSHING (GARLOCK X 2)                                       |
| 20   | 1   | AN3-25A       | BOLT, AIRFRAME, 10-32 THREAD, 2-1/4" GRIP, 2-21/32" LENGTH  |
|      | 2   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                          |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                     |
| 21   | 1   | AN6-26A       | BOLT SIZE 3/8-24, LENGTH 1/64 - 2-53/64, GRIP LENGTH 2-3/16 |
|      | 2   | NAS1149D0663J | WASHER, 0.39 ID, 0.063 THK, ALUMINUM                        |
|      | 1   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 22   | 2   | 1032NF X 3/16 | SET SCREW - MAGNET                                          |
| 23   | 2   | 3A05701-001   | MAGNET, HOOK LATCH, MAIN GEAR                               |
| 24   | 1   | 6A05042-001   | HOOK - MAIN GEAR LOCK                                       |
| 25   | 1   | 6A05041-001   | LOCK - MAIN, FWD, 61, 8, 10, 13                             |
| 26   | 2   | 6A05087-001   | SCREW, ADJUSTING, MAIN GEAR LOCK                            |
| 27   | 2   | AN316-4R      | JAMB NUT                                                    |
| 28   | 1   | 6A05533-001   | SPRING, MAIN GEAR LOCK                                      |
| 29   | 1   | 6A05158-019   | COVER - CARRIAGE                                            |
| 30   | 4   | AN526-832R8   | SCREW - COVER ATTACH                                        |
|      | 4   | NAS1149FN816P | WASHER, 0.174 ID, 0.016 THK, STEEL                          |
|      | 4   | MS35333-38    | STAR WASHER                                                 |
| 31   | 2   | AN4-24A       | BOLT, AIRFRAME, 1/4-28 THREAD, 2-1/16" GRIP, CARBON STEEL   |
|      | 4   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                          |
|      | 2   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                    |

PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                            |
|------|-----|---------------|-------------------------------------------------------------|
| 32   | 1   | AN6-56A       | BOLT, AIRFRAME, 3/8-24 THREAD, 5-3/16" GRIP, 5-53/64 LENGTH |
|      | 1   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL                           |
|      | 1   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 33   | 1   | 13A01210-003  | FITTING FWD TUNNEL                                          |
| 34   | 4   | AN6-10A       | BOLT, AIRFRAME, 3/8-24 THREAD, 7/16" GRIP, 1-5/64" LENGTH   |
|      | 4   | MS1149D0663J  | WASHER                                                      |
|      | 4   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF                    |
| 35   | 4   | AN6-11A       | BOLT, 3/8-24, 0.5625 GRIP, UNDRILLED, STEEL                 |
|      | 4   | MS1149D0663J  | WASHER                                                      |
|      | 4   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24                 |
| 36   | 2   | AN5H22A       | BOLT, AIRFRAME, 5/16-24 THREAD, 1-13/16" GRIP, STEEL CAD    |
|      | 2   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                          |
|      | 2   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24                 |
| 37   | 1   | AN4-14A       | BOLT, 1/4-28, 1.0625 GRIP, UNDRILLED, STEEL                 |
|      | 2   | NAS1149D0463J | WASHER, 0.265 ID, 0.063 THK, ALUMINUM                       |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                    |
| 38   | 1   | MS28775-314   | "O" RING                                                    |
| 39   | 1   | 6A05580-004   | WIPER, MAIN GEAR, 8000, 10, 61                              |
| 40   | 1   | AN10-34A      | BOLT, 5/8-18 THREAD, 2-11/16" GRIP, 3-41/64" LENGTH         |
|      | 2   | NAS1149D1032J | WASHER                                                      |
|      | 1   | MS21044N10    | NUT, LOCKING, REGULAR HEIGHT, 5/8-18 UNF                    |
| 41   | 1   | 1214K1        | COVER, OIL COVER DRIVE IN                                   |

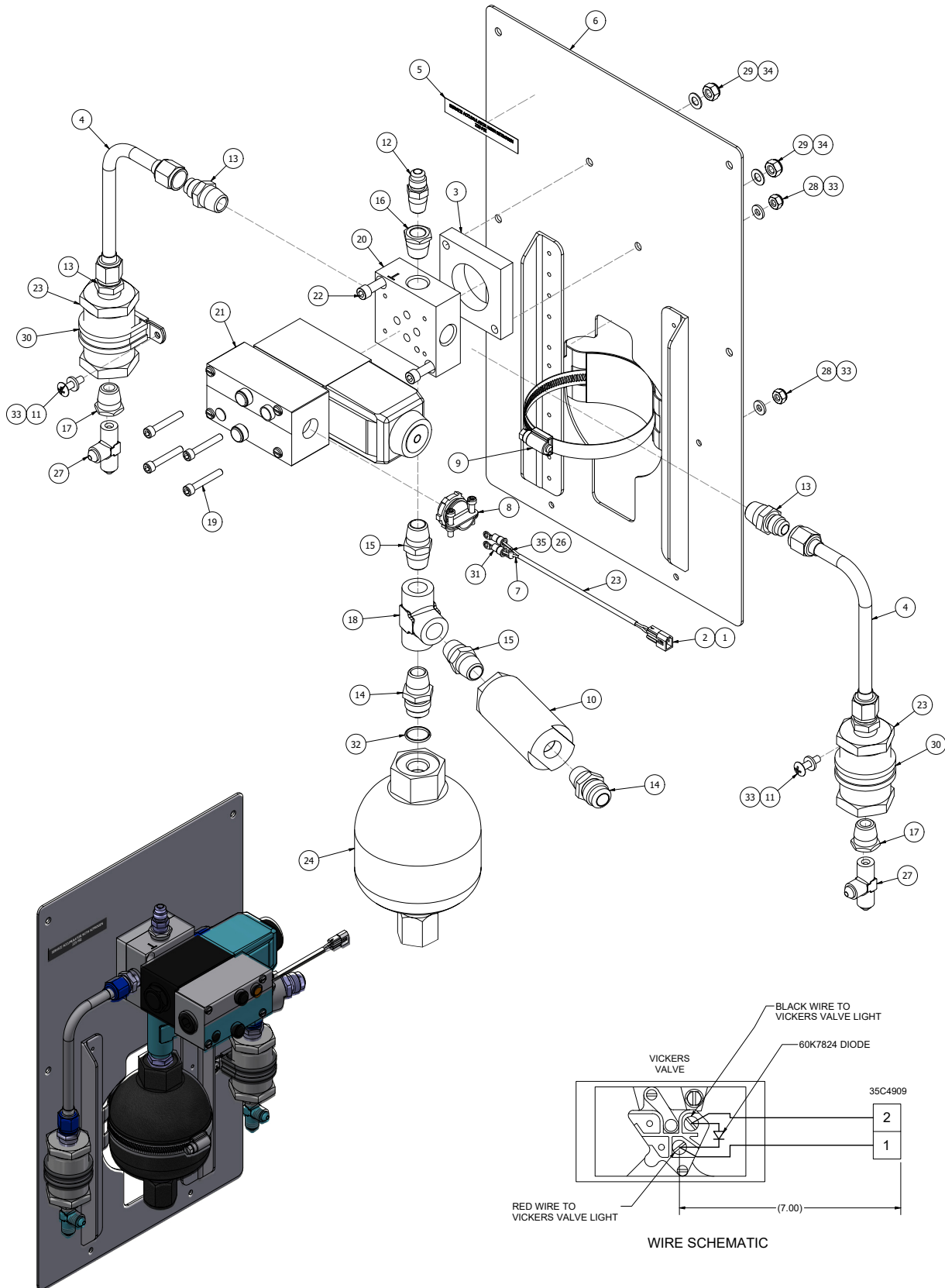


## SECTION 4 HYDRAULICS

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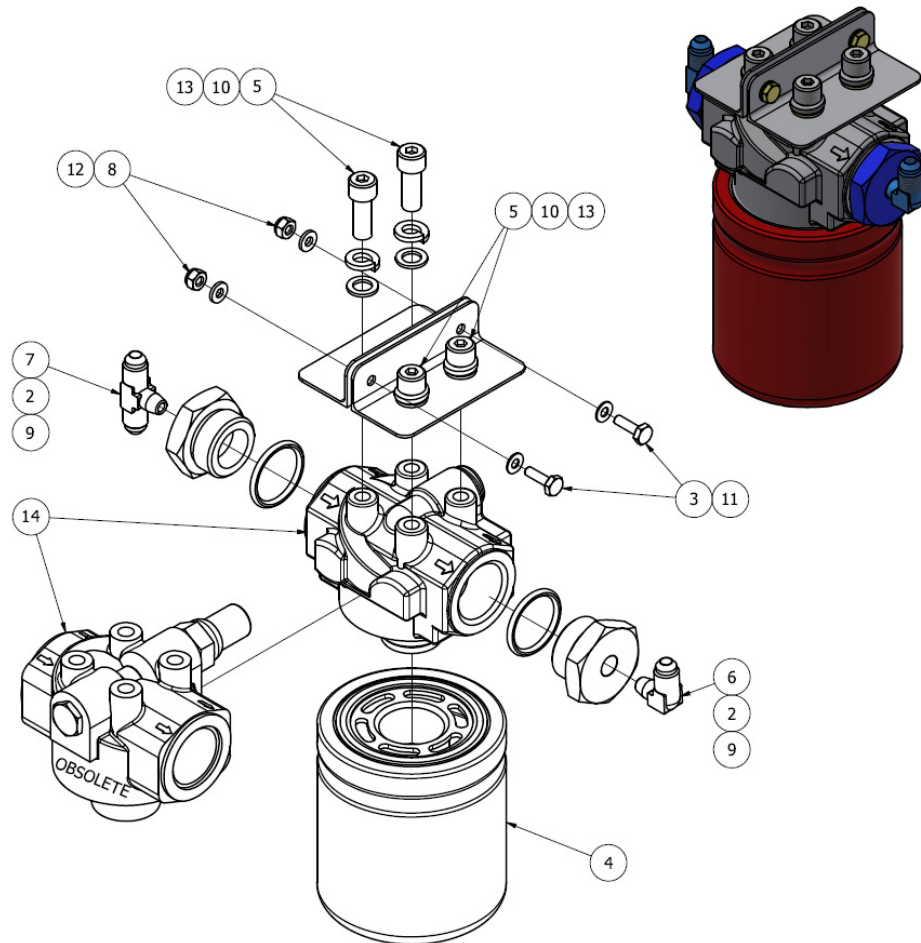
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## ACCUMULATOR ASSEMBLY



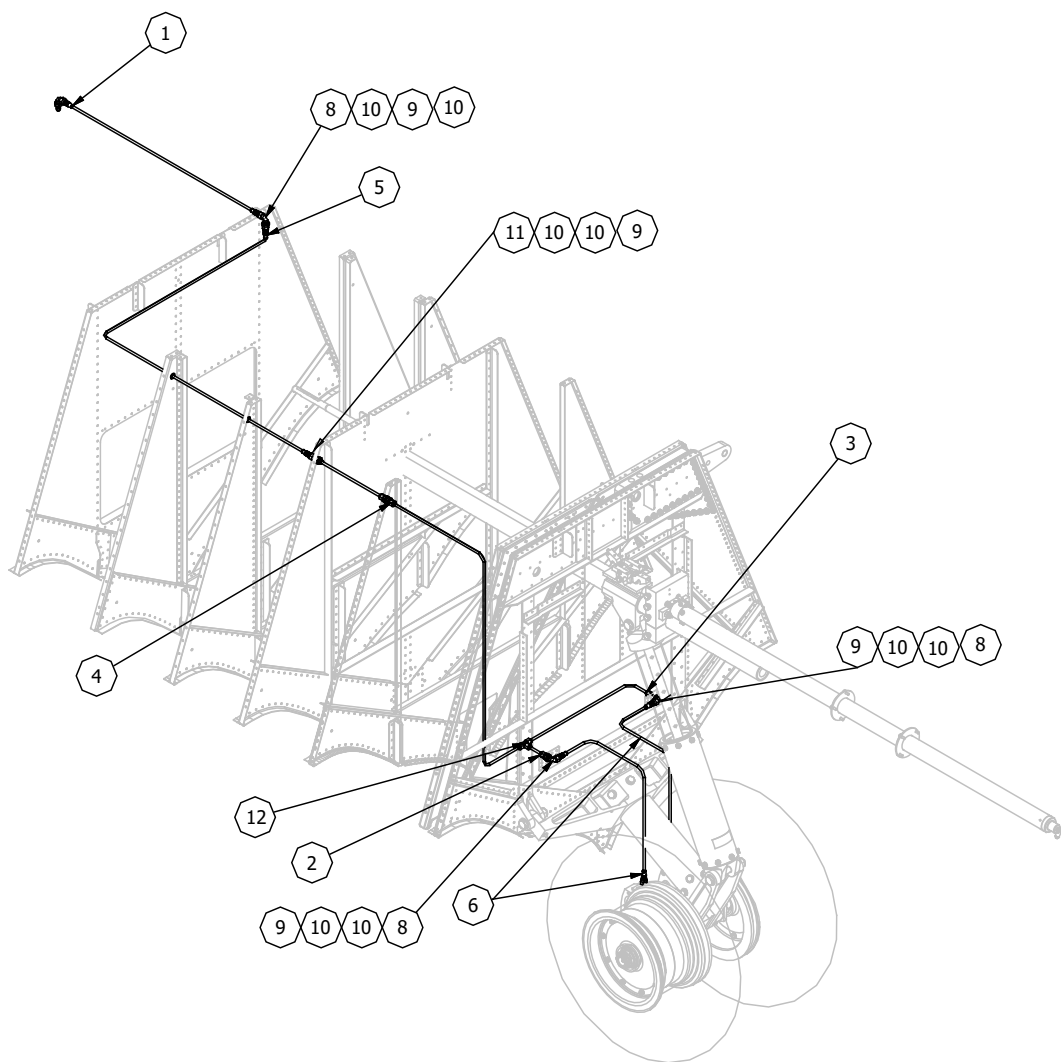
| ITEM | QTY  | PART NO.              | PART DESCRIPTION                              |
|------|------|-----------------------|-----------------------------------------------|
| -    | 1    | 1003665               | ASSEMBLY, ACCUMULATOR                         |
| 1    | 2    | 02-06-2103            | CRIMP TERMINAL, MALE, 22-18                   |
| 2    | 1    | 03-06-2023            | CONNECTOR HOUSING, PLUG, 2 POS                |
| 3    | 1    | 1002277               | SPACER-MANIFOLD, HYDRAULIC SYSTEM, AT-802 W/B |
| 4    | 2    | 1002822               | TUBE ASSY-HYDRAULIC SYSTEM, AT802             |
| 5    | 1    | 1012203               | PLACARD, ACCUMULATOR PRESSURE                 |
| 6    | 1    | 10A09000-296          | ASSEMBLY, ACCUMULATOR MOUNT                   |
| 7    | 14"  | 22759-16-20-9         | WIRE, 20 AWG, WHITE                           |
| 8    | 1    | 2711                  | CABLE/CORD CONNECTOR, 1/2"                    |
| 9    | 1    | 5764                  | CLAMP, HOSE                                   |
| 10   | 1    | 9053-10               | FILTER, 3/8" IN LINE, 10M                     |
| 11   | 2    | AN526-1032R12         | SCREW, MACHINE, TRUSS HEAD                    |
| 12   | 1    | AN816-5-4D            | NIPPLE, FLARED TUBE AND PIPE THREAD           |
| 13   | 4    | AN816-6-6D            | NIPPLE, FLARED TUBE AND PIPE THREAD           |
| 14   | 2    | AN816-8D              | NIPPLE, FLARED TUBE AND PIPE THREAD           |
| 15   | 2    | AN911-3D              | NIPPLE                                        |
| 16   | 1    | AN912-2D              | BUSHING, REDUCER                              |
| 17   | 2    | AN912-3D              | BUSHING, REDUCER                              |
| 18   | 1    | AN917-3D              | FITTING, TEE, INTERNAL PIPE THREAD            |
| 19   | 1    | BK590716              | BOLT MOUNTING KIT                             |
| 20   | 1    | DD03S56P              | VALVE, MANIFOLD, 3/8" NPT                     |
| 21   | 1    | DG4V32ALMPB<br>WLH760 | SOLENOID VALVE                                |
| 22   | 2    | H-K73068              | BOLT, SKT HD, .250-28 UNF X 1.125             |
| 23   | 2    | HPF-50-Q-6-S          | FILTER, INLINE, BI-DIRECTIONAL                |
| 24   | 1    | JR25000               | ACCUMULATOR                                   |
| -    | 1    | AD032B21T9A1          | ACCUMULATOR (ALTERNATE)                       |
| 25   | 4.5" | M23053/5-104-0        | HEAT SHRINK, BLACK, 1/8"                      |
| 26   | .5"  | M23053/5-104-9        | HEAT SHRINK, WHITE, 1/8"                      |
| 27   | 2    | MS20826-5D            | FITTING, TEE                                  |
| 28   | 2    | MS21044N3             | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF       |
| 29   | 2    | MS21044N4             | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF      |
| 30   | 2    | MS21919WDG23          | CLAMP, 1.438 ID, ALU.                         |
| 31   | 2    | MS25036-102           | RING TERMINAL, #6 STUD, 16-22 AWG, RED        |
| 32   | 1    | MS28775-016           | O-RING, HYDRAULIC                             |
| 33   | 4    | NAS1149D0363J         | WASHER, 0.203 ID, 0.063 THK, ALUMINUM         |
| 34   | 2    | NAS1149F0432P         | WASHER, 0.265 ID, 0.032 THK, STEEL            |
| 35   | 1    | P6KE39A               | DIODE, AXIAL, LEADED, 600 W, 3.5/5.0 V,       |

## BYPASS FILTER ASSEMBLY



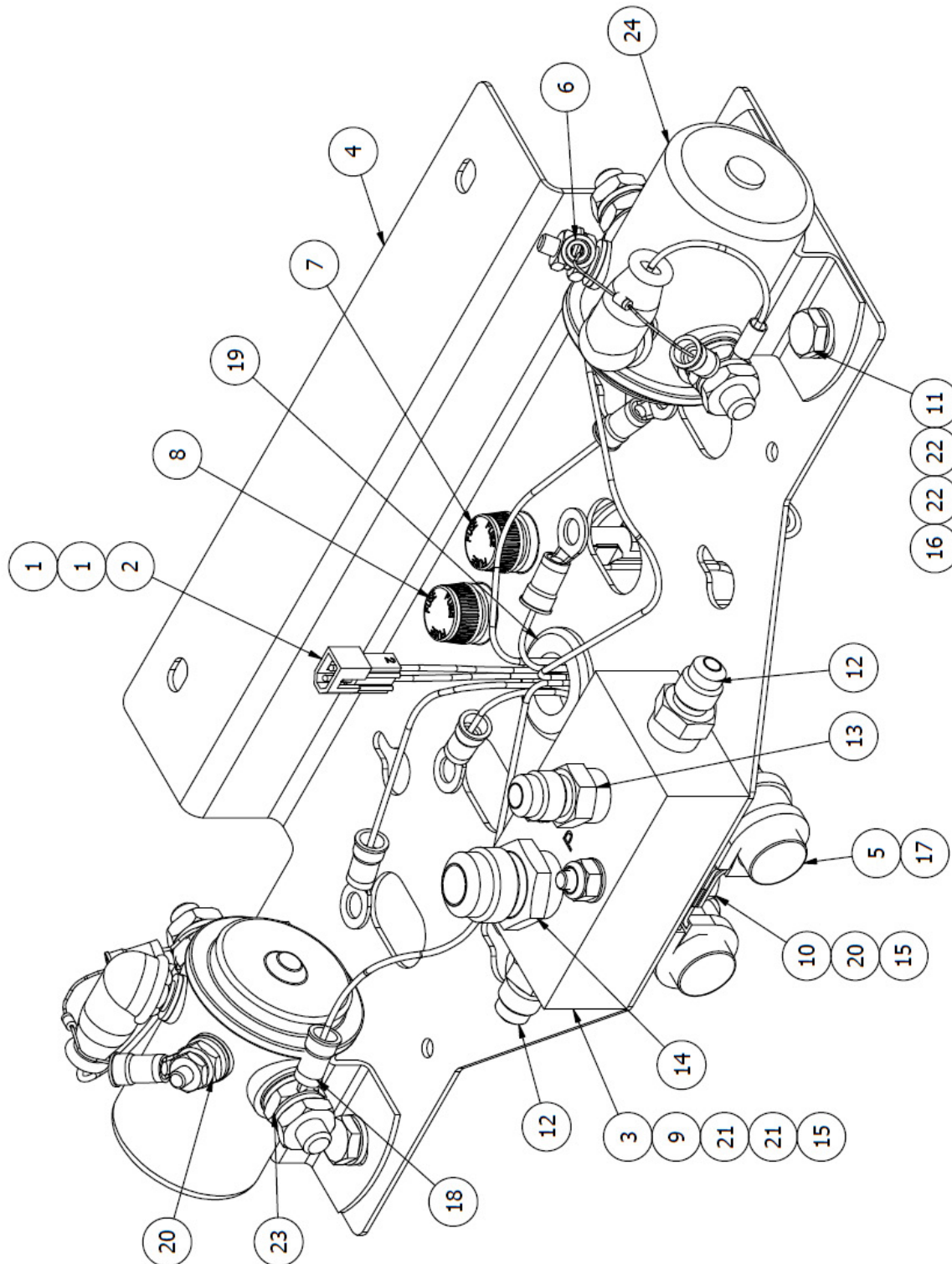
| ITEM | QTY | PART NO.      | PART DESCRIPTION                         |
|------|-----|---------------|------------------------------------------|
| -    | 1   | 1003662       | ASSEMBLY, BYPASS FILTER, HYDRAULIC PUMP  |
| 1    | 2   | 1003647       | BRACKET, FILTER MOUNT                    |
| 2    | 2   | 1003648       | 1" HEX HEAD PLUG                         |
| 3    | 2   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL |
| 4    | 1   | BT8416        | FILTER, BALDWIN                          |
| 5    | 4   | MS16997-99    | SCREW, CAP, SOCKET HEAD                  |
| 6    | 1   | MS20822-5D    | ELBOW, PIPE TO TUBE                      |
| 7    | 1   | MS20825-5D    | TEE, PIPE TO TUBE                        |
| 8    | 2   | MS21044N3     | NUT                                      |
| 9    | 2   | MS28775-217   | "O" RING, HYDRAULIC                      |
| 10   | 4   | MS35338-46    | WASHER, SPLIT                            |
| 11   | 2   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL       |
| 12   | 2   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL       |
| 13   | 4   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL        |
| 14   | 1   | P167201       | FILTER BASE, DONALDSON                   |
| -    | 1   | OB8745        | (OBSOLETE) FILTER BASE, BALDWIN          |

## INSTALLATION BRAKE LINES



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                        |
|------|-----|---------------|---------------------------------------------------------|
| 1    | 1   | 10A04000-121  | HYD. LINE, FUSELAGE TO FLOAT DECK BRAKE LINE (62")      |
| 2    | 1   | 10A04000-122  | HYD. LINE, BRAKE "T"                                    |
| 3    | 1   | 10A04000-123  | HYD. LINE, BRAKE "T"                                    |
| 4    | 1   | 10A04000-124  | HYD. LINE, "T" TO BULKHEAD                              |
| 5    | 1   | 10A09000-320  | HYD. LINE, BRAKE "T" TO TOP DECK                        |
| 6    | 2   | 13A04000-068  | HOSE                                                    |
| 8    | 3   | AN833-4D      | ELBOW, 90 DEG, 1/4" TUBE DIA, 7/16-20 THREAD,           |
| 9    | 4   | AN924-4D      | NUT, TUBE, 7/16-20 THREAD, ALUMINUM                     |
| 10   | 8   | NAS1149F0763P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 7/16"        |
| 11   | 1   | AN832-4D      | UNION BULKHEAD                                          |
| 12   | 1   | AN824-4D      | TEE, FLARED TUBE, ALUMINUM, TUBE OD 1/4, THREAD 7/16-20 |

**HYDRAULIC PUMP MOUNT BRACKET ASSEMBLY**  
**POST SERVICE LETTER 207**  
**FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER**

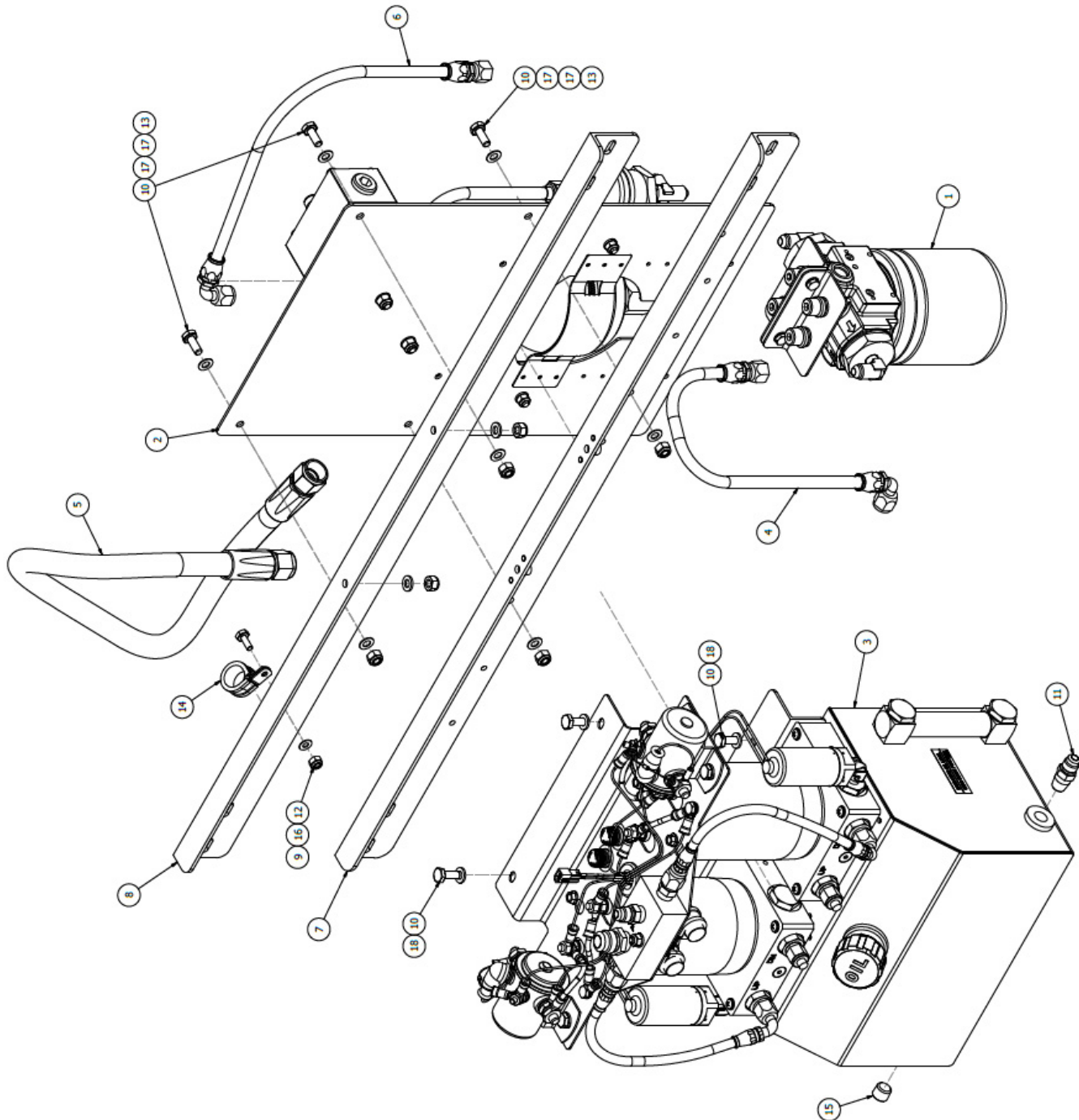


## PARTS MANUAL

## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| -    | 1   | 1011357       | ASSEMBLY, BRACKET, PUMP MOUNT               |
| 1    | 2   | 02-06-2103    | CRIMP PIN CONTACT, MALE, 22-18              |
| 2    | 1   | 03-06-2023    | PLUG, HOUSING, 2 POSITION                   |
| 3    | 1   | 1011355       | MANIFOLD, HYDRAULIC                         |
| 4    | 1   | 1011356       | UPPER BRACKET, HYDRAULIC PUMP               |
| 5    | 2   | 1011798       | ASSEMBLY, CAPACITOR                         |
| 6    | 2   | 3A10000-002   | ASSEMBLY, SOLENOID DIODE                    |
| 7    | 1   | 6A09000-128   | ASSEMBLY, FUSE HOLDER, RIGHT                |
| 8    | 1   | 6A09000-129   | ASSEMBLY, FUSE HOLDER, LEFT                 |
| 9    | 1   | AN3-14A       | BOLT, 10-32, 1.125 GRIP, UNDRILLED, STEEL   |
| 10   | 1   | AN3-15A       | BOLT, 10-32, 1.25 GRIP, UNDRILLED, STEEL    |
| 11   | 4   | AN4-5A        | BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL |
| 12   | 2   | AN816-4-4D    | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 13   | 1   | AN816-5-4D    | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 14   | 1   | AN816-8D      | NIPPLE, FLARED TUBE AND PIPE THREAD         |
| 15   | 2   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 16   | 4   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 17   | 2   | MS21919WDG10  | CLAMP, LOOP, CUSHIONED, 5/8 TUBE OD         |
| 18   | 2   | MS25036-104   | RING TERMINAL, 5/16 STUD, 22-16 AWG, RED    |
| 19   | 1   | MS35489-17    | GROMMET, RUBBER                             |
| 20   | 3   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL          |
| 21   | 2   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 22   | 8   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |
| 23   | 4   | NAS1149F0532P | WASHER, 0.328 ID, 0.032 THK, STEEL          |
| 24   | 2   | P52-0035-1    | STARTER, 24V                                |

## INSTALLATION HYDRAULIC PUMP AT-802A POST SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER



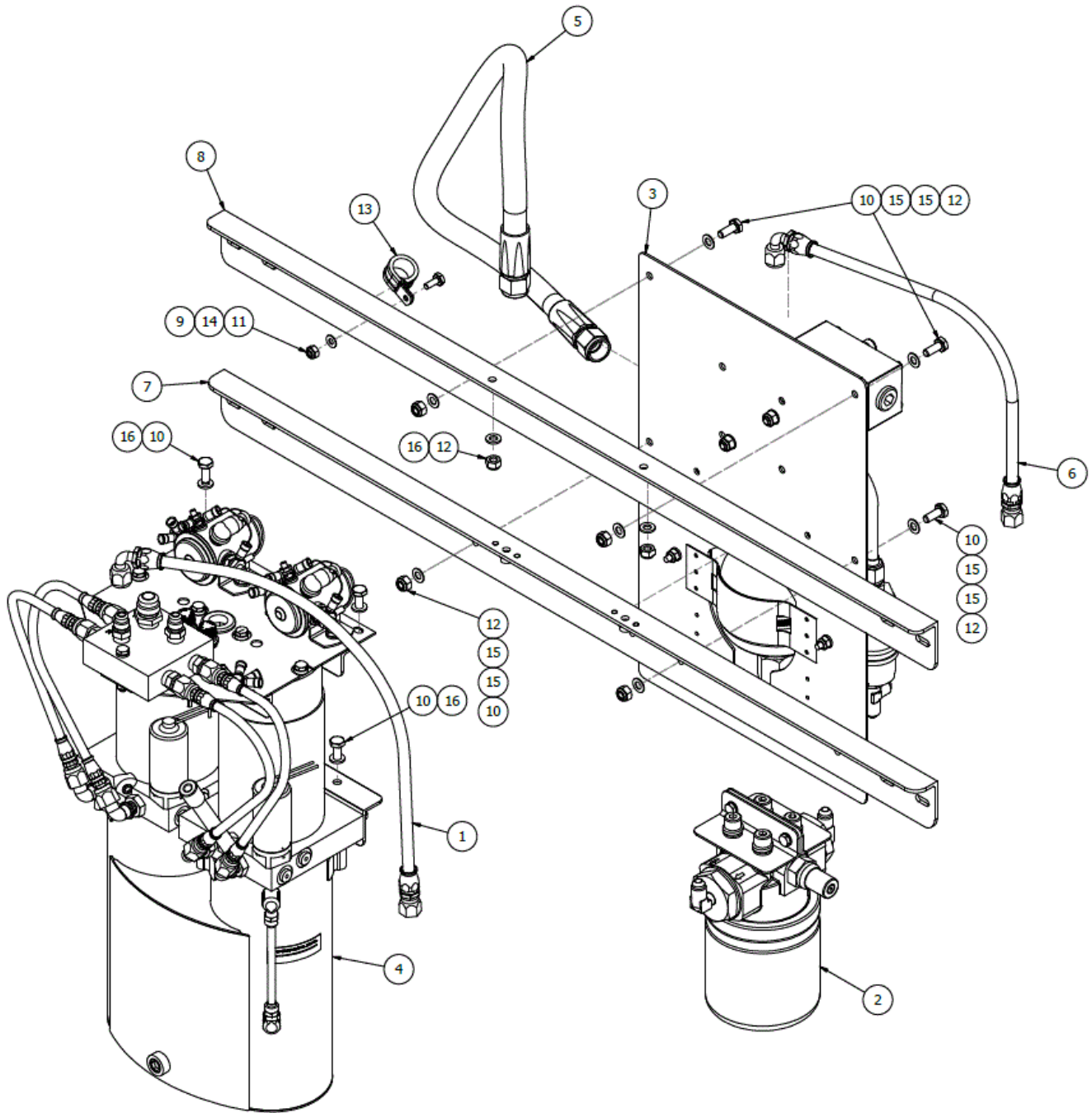


PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                              |
|------|-----|---------------|-----------------------------------------------|
| -    | 1   | 10A12000-079  | HYDRAULIC SYSTEM ASSEMBLY AT-802A (1 SEAT)    |
| 1    | 1   | 1003662       | ASSEMBLY, BYPASS FILTER, HYDRAULIC PUMP       |
| 2    | 1   | 1003665       | ASSEMBLY, ACCUMULATOR                         |
| 3    | 1   | 1011360       | ASSEMBLY, HYDRAULIC POWER PACK                |
| 4    | 1   | 1011361-02    | HYDRAULIC HOSE ASSEMBLY, FILTER TO RESERVOIR  |
| 5    | 1   | 10A09000-303  | HYD. LINE, ACCUM TO MAN. (30")                |
| 6    | 1   | 10A09000-304  | HYD. LINE, SOLOINOID VALVE TO MAN. RET. (14") |
| 7    | 1   | 10A12000-077  | ANGLE ASSEMBLY, LOWER MOUNT                   |
| 8    | 1   | 10A12357-083  | ANGLE, PUMP MOUNT, UPPER                      |
| 9    | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL     |
| 10   | 8   | AN4-5A        | BOLT                                          |
| 11   | 1   | AN816-5-4D    | NIPPLE, FLARED TUBE AND PIPE THREAD           |
| 12   | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF       |
| 13   | 6   | MS21044N4     | NUT                                           |
| 14   | 1   | MS21919WDG12  | CLAMP                                         |
| 15   | 1   | MS27769D3     | PLUG, PIPE, COUNTERSINK HEX HEAD              |
| 16   | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL            |
| 17   | 8   | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL            |
| 18   | 6   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL            |

\*SPIN-ON FILTER/PARTS ADDED WITH MANDATORY SERVICE KIT 75 (DOCUMENT 1002700)

## INSTALLATION HYDRAULIC PUMP AT-802A PRE SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10239 & 10240 AND PRIOR



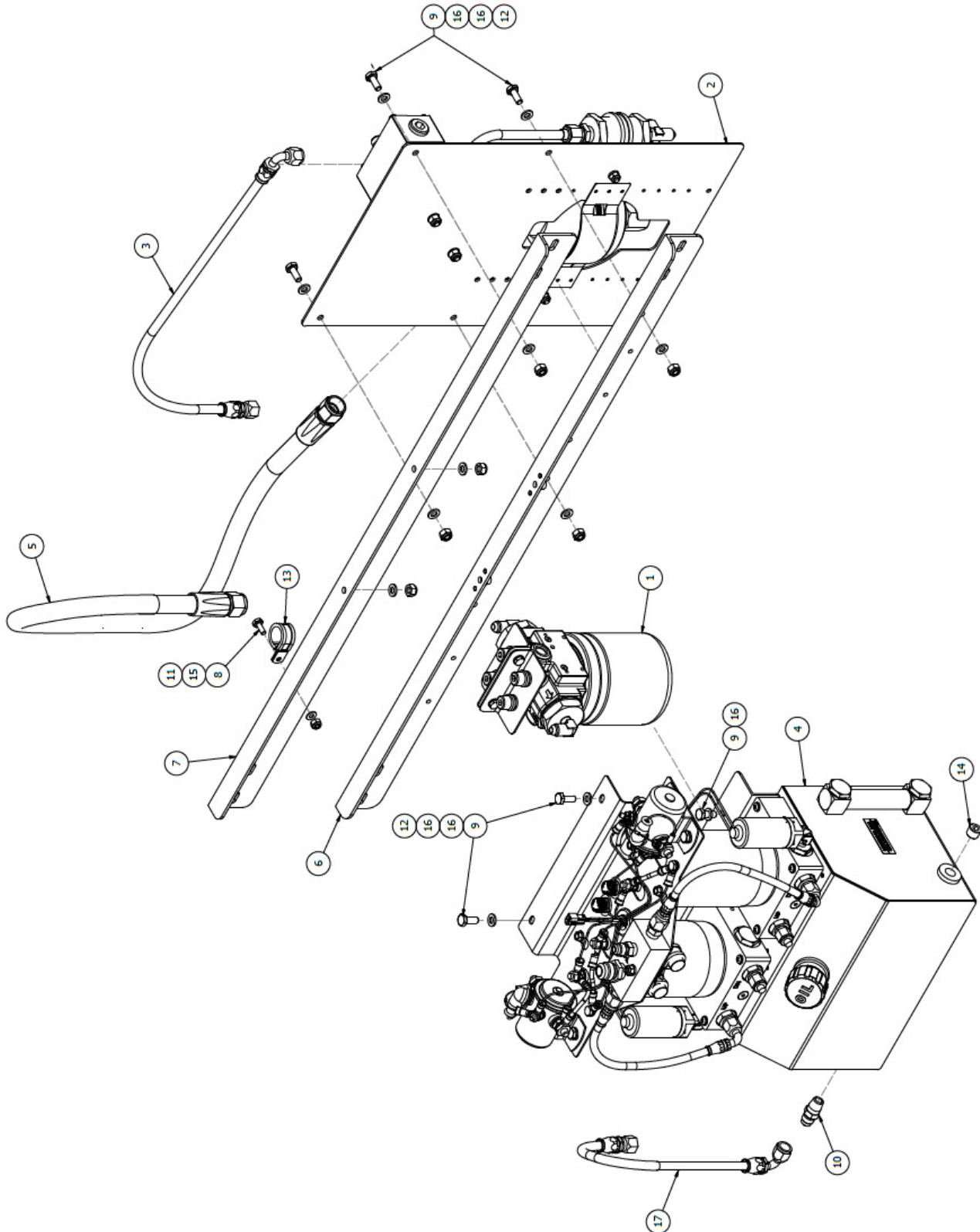
## PARTS MANUAL

## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                         |
|------|-----|---------------|----------------------------------------------------------|
| -    | 1   | 10A12000-079  | HYDRAULIC SYSTEM ASSEMBLY AT-802A (1 SEAT)               |
| 1    | 1   | 1003661       | HYDRAULIC LINE, BYPASS FILTER TO MANIFOLD (17")          |
| 2    | 1   | 1003662       | ASSEMBLY, BYPASS FILTER, HYDRAULIC PUMP                  |
| 3    | 1   | 1003665       | ASSEMBLY, ACCUMULATOR                                    |
| 4    | 1   | 10A09000-294  | ASSEMBLY, HYDRUALIC PUMP                                 |
| 5    | 1   | 10A09000-303  | HYD. LINE, ACCUM TO MAN. (30")                           |
| 6    | 1   | 10A09000-304  | HYD. LINE, SOLONOID VALVE TO MAN. RET. (14")             |
| 7    | 1   | 10A12000-077  | ANGLE ASSEMBLY, LOWER MOUNT                              |
| 8    | 1   | 10A12357-083  | ANGLE, PUMP MOUNT, UPPER                                 |
| 9    | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL                |
| 10   | 8   | AN4-5A        | BOLT, AIRFRAME, 1/4-28 THREAD, 3/16" GRIP, 21/32" LENGTH |
| 11   | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                  |
| 12   | 6   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28        |
| 13   | 1   | MS21919WDG12  | CLAMP, TO FIT DIA 3/4", CHLOROPRENE CUSHION              |
| 14   | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL                       |
| 15   | 8   | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL                       |
| 16   | 6   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                       |

\*SPIN-ON FILTER/PARTS ADDED WITH MANDATORY SERVICE KIT 75 (DOCUMENT 1002700)

## INSTALLATION HYDRAULIC PUMP AT-802 POST SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER

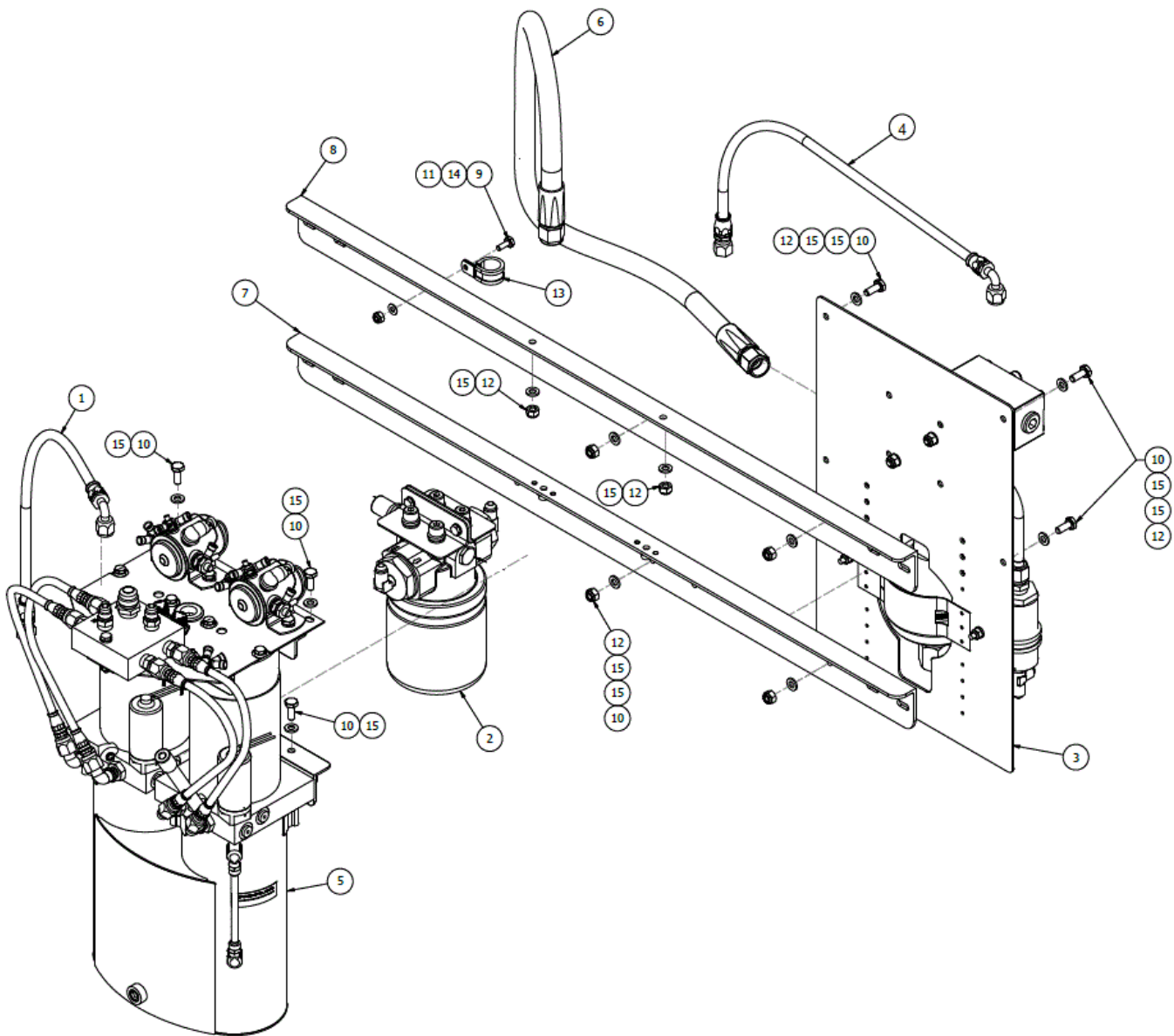


PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| -    | 1   | 1001594       | HYDRAULIC SYSTEM ASSEMBLY AT-802 (2 SEAT)    |
| 1    | 1   | 1003662       | ASSEMBLY, BYPASS FILTER, HYDRAULIC PUMP      |
| 2    | 1   | 1003665       | ASSEMBLY, ACCUMULATOR                        |
| 3    | 1   | 1009668       | HYD. LINE, SOLENOID VALVE TO MAN. RET. (20") |
| 4    | 1   | 1011360       | ASSEMBLY, HYDRAULIC POWER PACK               |
| 5    | 1   | 10A09000-303  | HYD. LINE, ACCUM TO MAN. (30")               |
| 6    | 1   | 10A12000-077  | ANGLE ASSEMBLY, LOWER MOUNT                  |
| 7    | 1   | 10A12357-083  | ANGLE, PUMP MOUNT, UPPER                     |
| 8    | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL    |
| 9    | 8   | AN4-5A        | BOLT                                         |
| 10   | 1   | AN816-5-4D    | NIPPLE, FLARED TUBE AND PIPE THREAD          |
| 11   | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 12   | 6   | MS21044N4     | NUT                                          |
| 13   | 1   | MS21919WDG12  | CLAMP                                        |
| 14   | 1   | MS27769D3     | PLUG, PIPE, COUNTERSINK HEX HEAD             |
| 15   | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL           |
| 16   | 14  | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL           |
| 17   | 1   | 1011361-02    | HYDRAULIC HOSE ASSEMBLY, FILTER TO RESERVOIR |

\*SPIN-ON FILTER/PARTS ADDED WITH MANDATORY SERVICE KIT 75 (DOCUMENT 1002700)

## INSTALLATION HYDRAULIC PUMP AT-802 PRE SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10239 & 10240 AND PRIOR

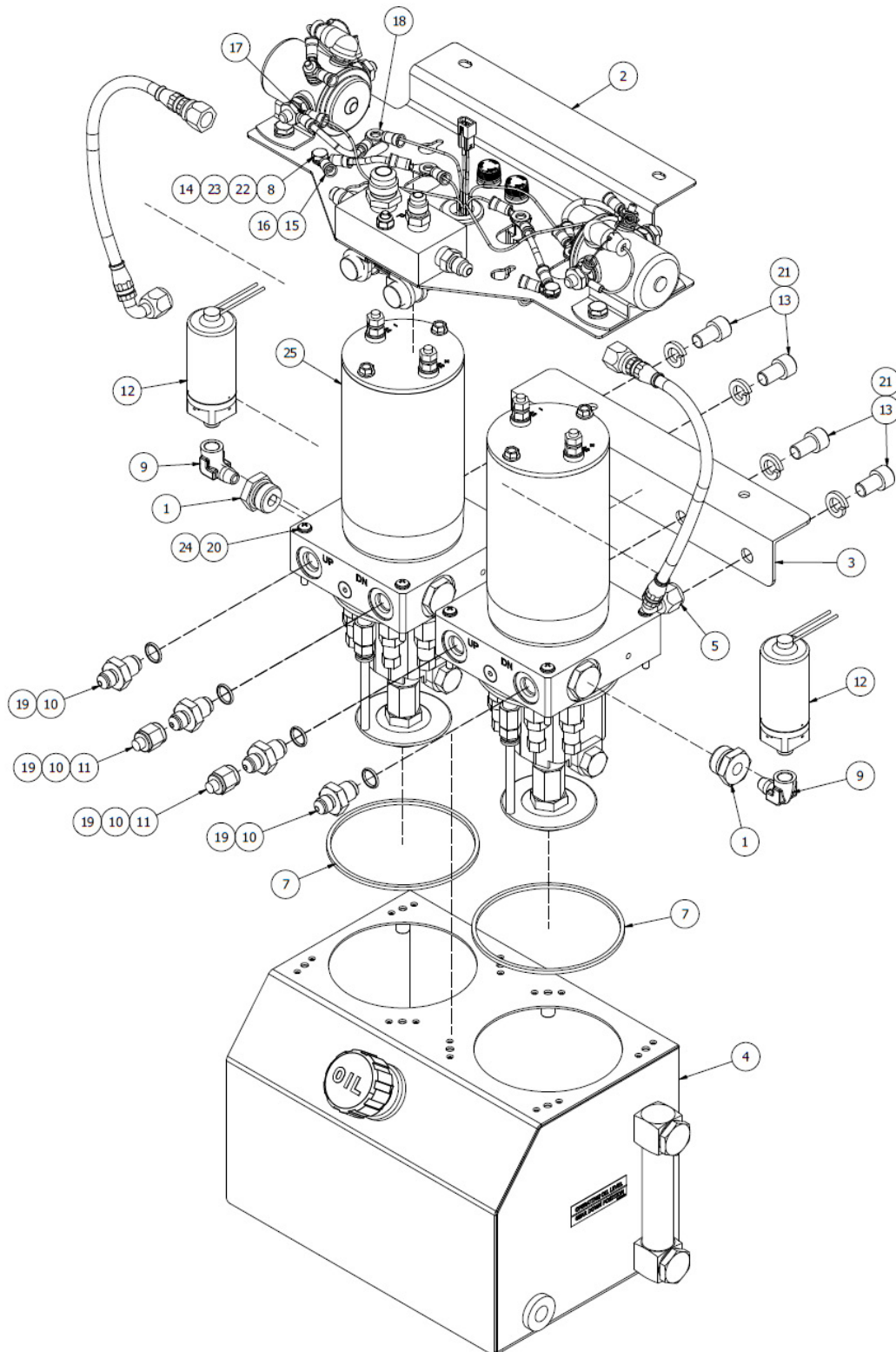


PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                         |
|------|-----|---------------|----------------------------------------------------------|
| -    | 1   | 1001594       | HYDRAULIC SYSTEM ASSEMBLY AT-802 (2 SEAT)                |
| 1    | 1   | 1003661       | HYDRAULIC LINE, BYPASS FILTER TO MANIFOLD (17")          |
| 2    | 1   | 1003662       | ASSEMBLY, BYPASS FILTER, HYDRAULIC PUMP                  |
| 3    | 1   | 1003665       | ASSEMBLY, ACCUMULATOR                                    |
| 4    | 1   | 1009668       | HYD. LINE, SOLOINOID VALVE TO MAN. RET. (20")            |
| 5    | 1   | 10A09000-294  | ASSEMBLY, HYDRUALIC PUMP                                 |
| 6    | 1   | 10A09000-303  | HYD. LINE, ACCUM TO MAN. (30")                           |
| 7    | 1   | 10A12000-077  | ANGLE ASSEMBLY, LOWER MOUNT                              |
| 8    | 1   | 10A12357-083  | ANGLE, PUMP MOUNT, UPPER                                 |
| 9    | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL                |
| 10   | 8   | AN4-5A        | BOLT, AIRFRAME, 1/4-28 THREAD, 3/16" GRIP, 21/32" LENGTH |
| 11   | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                  |
| 12   | 6   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28        |
| 13   | 1   | MS21919WDG12  | CLAMP, TO FIT DIA 3/4", CHLOROPRENE CUSHION              |
| 14   | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL                       |
| 15   | 14  | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                       |

\*SPIN-ON FILTER/PARTS ADDED WITH MANDATORY SERVICE KIT 75 (DOCUMENT 1002700)

## HYDRAULIC POWERPACK ASSEMBLY POST SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER



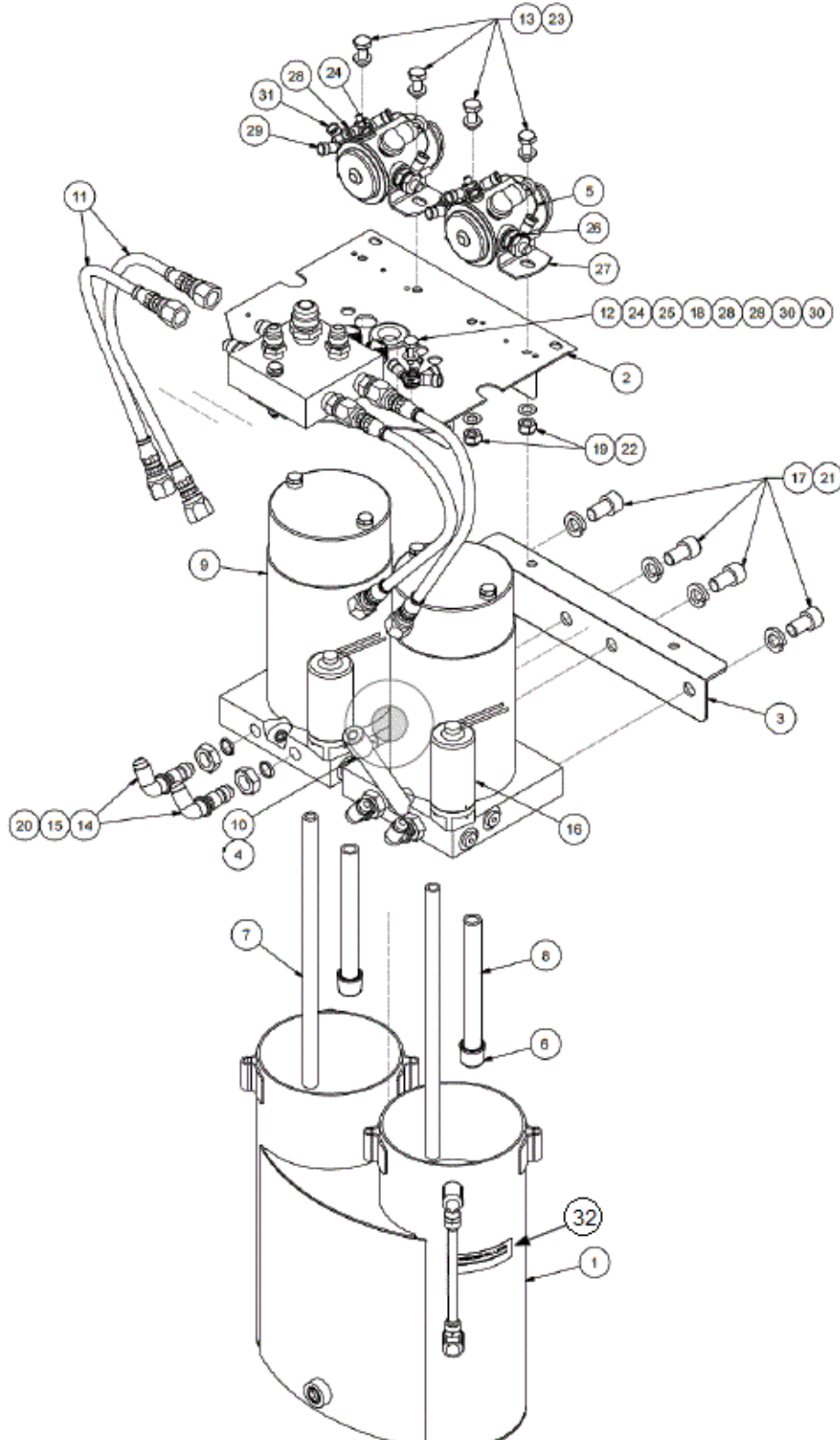


## PARTS MANUAL

## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

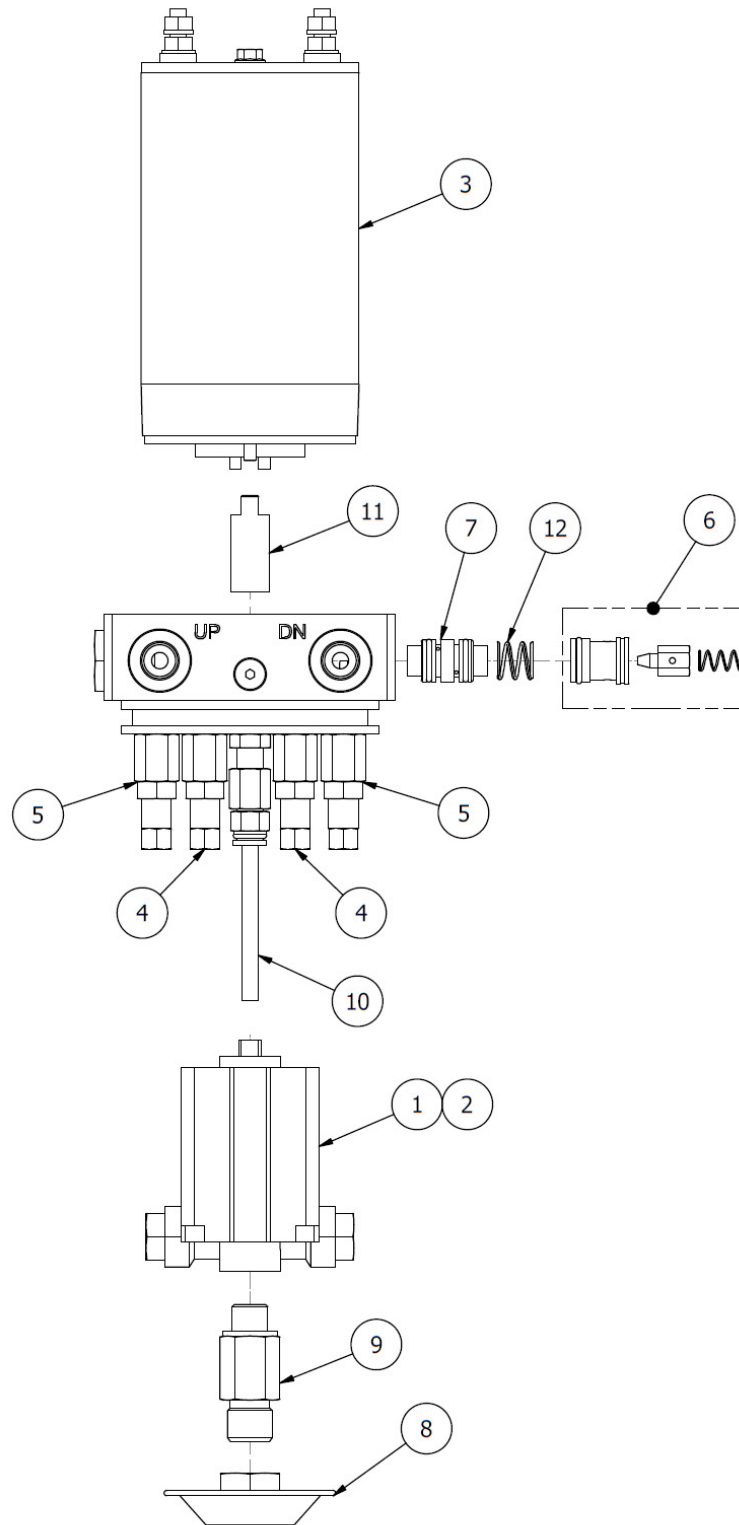
| ITEM | QTY        | PART NO.                         | PART DESCRIPTION                            |
|------|------------|----------------------------------|---------------------------------------------|
| -    | 1          | 1011360                          | ASSEMBLY, HYDRAULIC POWER PACK              |
| 1    | 2          | 1011062                          | ASSEMBLY, PLUG, PRESSURE SWITCH PORT        |
| 2    | 1          | 1011357                          | ASSEMBLY, BRACKET, PUMP MOUNT               |
| 3    | 1          | 1011358                          | ANGLE, PUMP MOUNT, LOWER                    |
| 4    | 1          | 1011359                          | ASSEMBLY, HYDRAULIC PUMP RESERVOIR          |
| 5    | 2          | 1011361-01                       | HYDRAULIC HOSE ASSEMBLY, MANIFOLD TO PUMP   |
| 6    | 16<br>INCH | 22759-16-12-9                    | WIRE, 12AWG, WHITE                          |
| 7    | 2          | 4061T199                         | SQUARE PROFILE, O-RING, 3.5" I.D., .094 THK |
| 8    | 2          | AN3-4A                           | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL   |
| 9    | 2          | AN914-1D                         | ELBOW, 90 DEGREES, INTERNALEXTERNAL PIPE    |
| 10   | 4          | AN919-3D                         | FITTING, REDUCER                            |
| 11   | 2          | AN929-4                          | CAP                                         |
| 12   | 2          | GPP1250-40                       | PRESSURE SWITCH                             |
| 13   | 4          | MS16997-96                       | SOCKET HEAD CAP SCREW                       |
| 14   | 2          | MS21044N3                        | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 15   | 4          | MS25036-103                      | RING TERMINAL, #10 STUD, 22-16 AWG, RED     |
| 16   | 2          | MS25036-112                      | RING TERMINAL, #10 STUD, 10-12 AWG, YELLOW  |
| 17   | 2          | MS25036-113                      | RING TERMINAL, 5/16 STUD, 10-12 AWG, YELLOW |
| 18   | 4          | MS25036-157                      | RING TERMINAL, 1/4 STUD, 10-12 AWG, YELLOW  |
| 19   | 4          | MS28775-013                      | "O" RING, HYDRAULIC                         |
| 20   | 8          | MS35206-252                      | SCREW, MACHINE, PAN HEAD                    |
| 21   | 4          | MS35338-46                       | WASHER, SPLIT                               |
| 22   | 2          | NAS1149F0332P                    | WASHER, 0.203 ID, 0.032 THK, STEEL          |
| 23   | 2          | NAS1149F0363P                    | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 24   | 8          | NAS1149FN832P                    | WASHER, 0.174 ID, 0.032 THK, STEEL          |
| 25   | 2          | YBZS-<br>D0.63W2T100K/<br>UVZOT2 | HYDRAULIC POWER PACK, 24VDC, .64 PUMP       |

## HYDRAULIC POWERPACK ASSEMBLY PRE SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10239 & 10240 AND PRIOR



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                           |
|------|-----|---------------|------------------------------------------------------------|
| 1    | 1   | 1003726       | ASSEMBLY, HYDRAULIC PUMP RESERVOIR                         |
| 2    | 1   | 10A09000-314  | BRACKET ASSEMBLY, PUMP MOUNT                               |
| 3    | 1   | 13A09348-012  | ANGLE, HYDRAULIC PUMP MOUNT                                |
| 4    | 1   | 13A09398-002  | FILLER PIPE-HYD. PUMP                                      |
| 5    | 2   | 3A10000-002   | SOLENOID DIODE ASSY.                                       |
| 6    | 2   | 410521        | FILTER 108, 3/8" DIA                                       |
| 7    | 2   | 4A09392-001   | TUBE, RETURN HYD. PUMP                                     |
| 8    | 2   | 4A09393-001   | TUBE, PICK UP HYD. PUMP                                    |
| 9    | 2   | 636603A       | PUMP ASSY W/MOTOR (SEE DETAIL)                             |
| 10   | 1   | 6A09706-001   | FILTER PUMP BREATHER, MODIFIED                             |
| 11   | 4   | 8A09000-048   | HYD. LINE ASSY. PUMP                                       |
| 12   | 1   | AN3-5A        | BOLT, SIZE 10-32, LENGTH +/- 1/64 - 21/32, GRIP LENGTH 1/4 |
| 13   | 4   | AN4-5A        | BOLT, AIRFRAME, 1/4-28 THREAD, 3/16" GRIP, 21/32" LENGTH   |
| 14   | 4   | AN833-4D      | ELBOW, FLARED TUBE, 90 DEG, 1/4" TUBE DIA, 7/16-20 THREAD  |
| 15   | 4   | AN924-4D      | NUT, TUBE, 7/16-20 THREAD                                  |
| 16   | 2   | GPP1250-40    | PRESSURE SWITCH                                            |
| 17   | 4   | MS16997-96    | SCREW, CAP, SOCKET HEAD, 3/8-16X.625, STEEL                |
| 18   | 1   | MS21044N3     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 10-32           |
| 19   | 4   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28          |
| 20   | 4   | MS28775-012   | O RING, DIA 0.364                                          |
| 21   | 4   | MS35338-46    | WASHER, SPLIT, CARBON STEEL                                |
| 22   | 4   | NAS1149D0416J | WASHER, 0.265 ID, 0.016 THK, ALUMINUM                      |
| 23   | 4   | NAS1149D0463J | WASHER, 0.265 ID, 0.016 THK, ALUMINUM                      |
| 24   | 3   | NAS1149F0332P | WASHER, SCREW SIZE #10 OD.438 ID.203 THK.032               |
| 25   | 1   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, ALUMINUM                      |
| 26   | 4   | NAS1149F0532P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 5/16"           |
| 27   | 2   | P52-0035-1    | CONTACTOR ASSEMBLY, 24V                                    |
| 28   | 4   | R-5           | TERMINAL, RING, #10 STUD, 20 GAUGE, RED                    |
| 29   | 2   | R-7           | RING CONNECTOR INSULATED, 5/16 STUD, 20 GAUGE, RED         |
| 30   | 2   | Y-4           | RING CONNECTOR, #10 STUD, 12 GAUGE, YELLOW                 |
| 31   | 2   | Y-6           | RING CONNECTOR, 5/16 STUD, 10 GAUGE, YELLOW                |
| 32   | 1   | 6A3-2199      | PLACARD, OIL LEVEL                                         |

## HYDRAULIC PUMP OVERVIEW POST SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER

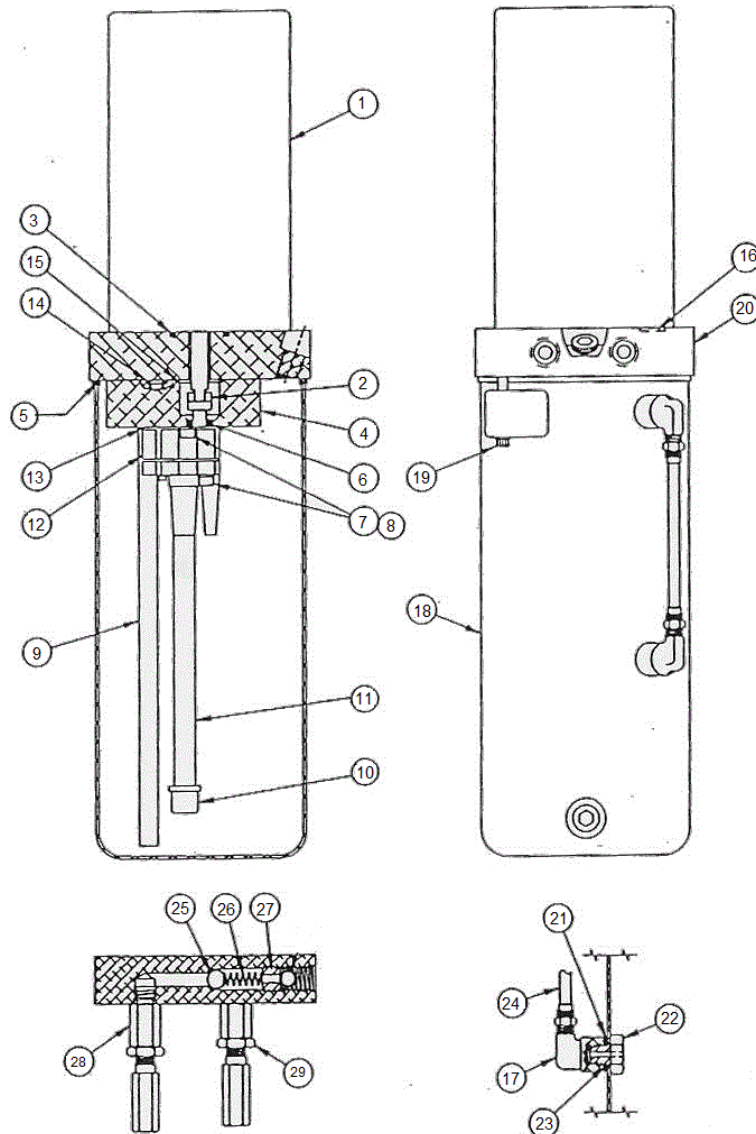


PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| 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 207

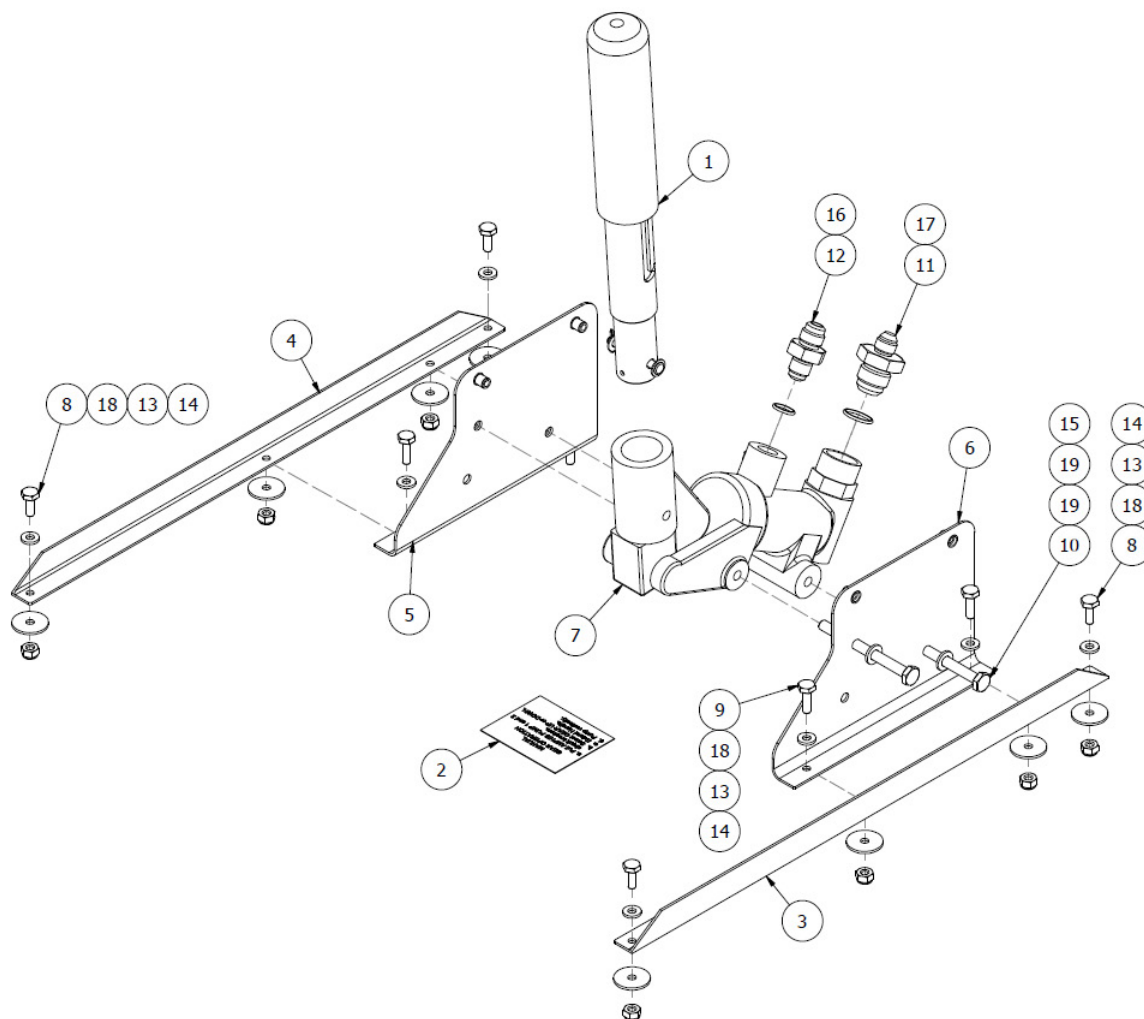
### FLOAT SERIAL NUMBERS 10239 & 10240 AND PRIOR



| ITEM | QTY | PART NO.       | PART DESCRIPTION            |
|------|-----|----------------|-----------------------------|
| -    | 1   | 636603A        | ASSEMBLY PUMP WITH MOTOR    |
| 1    | 1   | MB56N1         | MOTOR                       |
|      | 1   | MB56C902-3 KIT | BRUSH & BEARING SERVICE KIT |
| 2    | 1   | 361730         | COUPLING 180                |
| 3    | 1   | 409406         | O RING, 7/8"                |
| 4    | 1   | 361726         | SPACER                      |
| 5    | 1   | 410958*        | SEAL RESERVOIR              |

\* Reference Wipaire drawing 1011032 for alternate part numbers.

## HYDRAULIC HAND PUMP STANDARD INSTALLATION

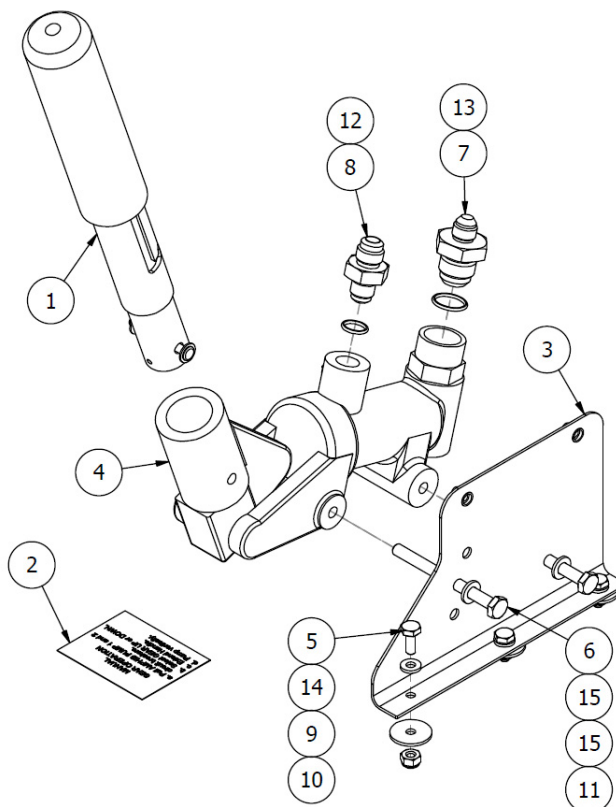


| ITEM | QTY | PART NO.     | PART DESCRIPTION                          |
|------|-----|--------------|-------------------------------------------|
| 1    | 1   | 1002838      | RETRACT HANDLE                            |
| 2    | 1   | 1003426      | PLACARD, EMERG HYD HAND PUMP, AT802A      |
| 2.1  | 1   | 5B3-595-3    | PLACARD, EMRG HYD HAND PUMP, AT802        |
| 3    | 1   | 10A09340-186 | STIFFENER - HAND PUMP MOUNT               |
| 4    | 1   | 10A09340-187 | STIFFENER - HAND PUMP MOUNT               |
| 5    | 1   | 8A09003-053  | ASS'Y, BRACKET, HAND PUMP, LH             |
| 6    | 1   | 8A09003-054  | ASS'Y, BRACKET, HAND PUMP, RH             |
| 7    | 1   | 914-8D-27    | PUMP, HAND, HYDRAULIC                     |
| 8    | 4   | AN3-4A       | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL |
| 9    | 4   | AN3-5A       | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL  |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| 10   | 2   | AN4-27A       | BOLT, 1/4-28, 2.4375 GRIP, UNDRILLED, STEEL |
| 11   | 1   | AN919-11D     | UNION, REDUCER                              |
| 12   | 1   | AN919-7D      | FITTING, REDUCER                            |
| 13   | 8   | AN970-3       | WASHER, .203 ID, .875 OD, .063 THK          |
| 14   | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 15   | 2   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 16   | 1   | MS28775-013   | "O" RING, HYDRAULIC                         |
| 17   | 1   | MS28775-016   | "O" RING, HYDRAULIC                         |
| 18   | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 19   | 4   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |

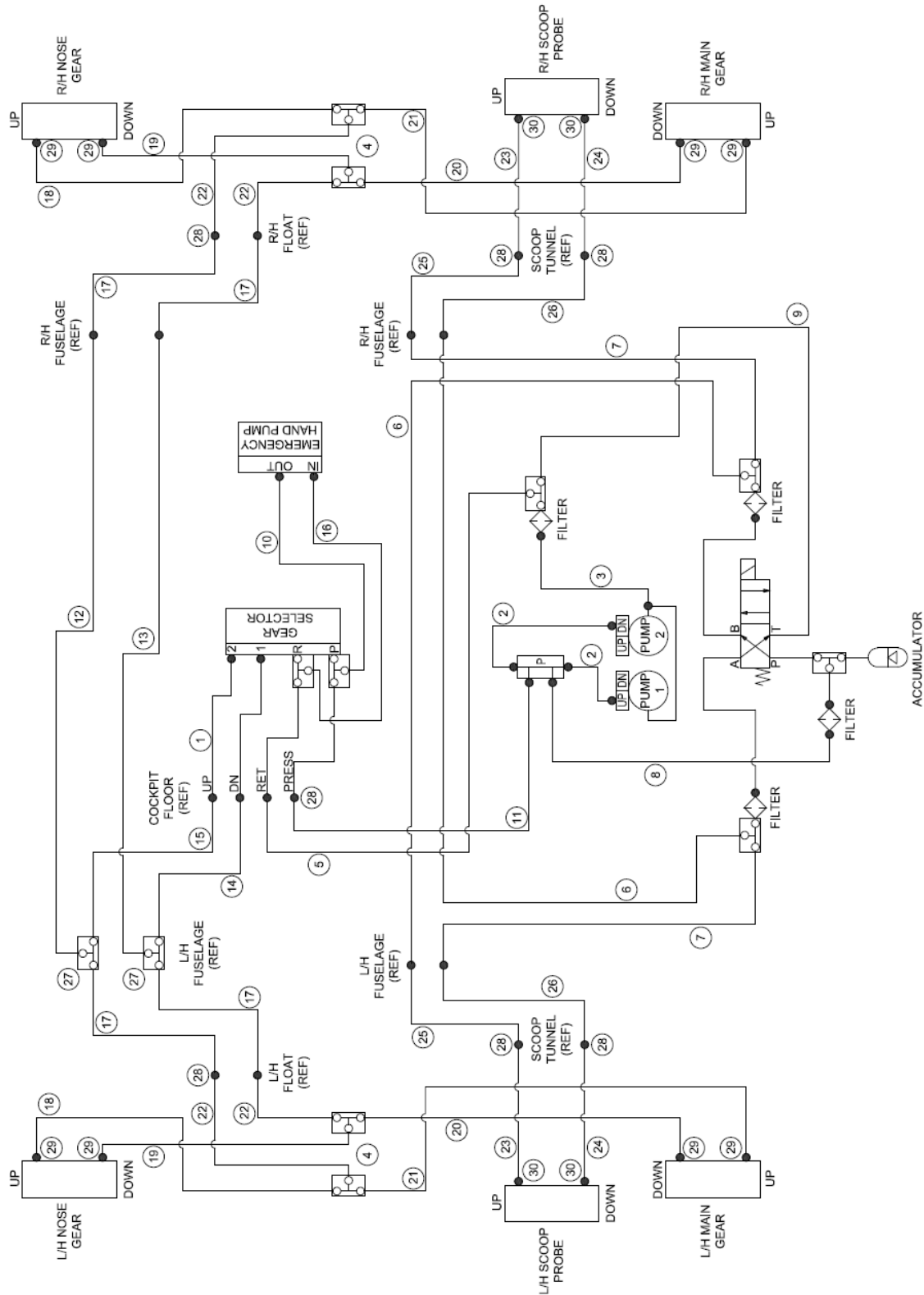


## HYDRAULIC HAND PUMP AT-802 WITH FCU CONTROL ASSEMBLY INSTALLATION



| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| 1    | 1   | 1002838       | RETRACT HANDLE                              |
| 2    | 1   | 1003426       | PLACARD, EMERG HYD HAND PUMP                |
| 3    | 1   | 8A09003-054   | ASS'Y, BRACKET, HAND PUMP, RH               |
| 4    | 1   | 914-8D-27     | PUMP, HAND, HYDRAULIC                       |
| 5    | 3   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL   |
| 6    | 2   | AN4-27A       | BOLT, 1/4-28, 2.4375 GRIP, UNDRILLED, STEEL |
| 7    | 1   | AN919-11D     | UNION, REDUCER                              |
| 8    | 1   | AN919-7D      | FITTING, REDUCER                            |
| 9    | 3   | AN970-3       | WASHER, .203 ID, .875 OD, .063 THK          |
| 10   | 3   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
| 11   | 2   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 12   | 1   | MS28775-013   | "O" RING, HYDRAULIC                         |
| 13   | 1   | MS28775-016   | "O" RING, HYDRAULIC                         |
| 14   | 3   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 15   | 4   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |

## HYDRAULIC SCHEMATIC



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                                |
|------|-----|---------------|---------------------------------------------------------------------------------|
| 1    | 4   | 1005212       | ASSEMBLY, HOSE, GEAR SELECTOR TO COCKPIT FLOOR                                  |
| 2    | 2   | 1011361-01    | ASSEMBLY, HOSE, PUMP TO PUMP MANIFOLD                                           |
| 3    | 1   | 1011361-02    | ASSEMBLY, HOSE, RETURN FILTER TO RESERVOIR                                      |
| 4    | 2   | 6A09000-027   | FLOAT MANIFOLD                                                                  |
|      | 4   | AN816-4D      | FITTING, NIPPLE, FLARED TUBE AND PIPE THREAD                                    |
|      | 2   | AN816-5-4D    | FITTING, NIPPLE, FLARED TUBE AND PIPE THREAD                                    |
| 5    | 1   | 10A09000-298  | ASSEMBLY, HOSE, GEAR SELECTOR TO RETURN FILTER                                  |
| 6    | 2   | 10A09000-299  | ASSEMBLY, HOSE, FILTER TEE TO SCOOPS                                            |
| 7    | 2   | 10A09000-300  | ASSEMBLY, HOSE, FILTER TEE TO SCOOPS                                            |
| 8    | 1   | 10A09000-303  | ASSEMBLY, HOSE, PUMP MANIFOLD TO ACCUMULATOR                                    |
| 9    | 1   | 10A09000-304  | ASSEMBLY, HOSE, SOLENOID VALVE TO RETURN FILTER                                 |
| 10   | 1   | 10A09000-305  | ASSEMBLY, HOSE, HAND PUMP TO GEAR SELECTOR, PRESSURE                            |
|      | 1   | 1009858-01    | ASSEMBLY, HOSE, HAND PUMP TO GEAR SELECTOR, PRESSURE, WITH FCU CONTROL ASSEMBLY |
| 11   | 1   | 10A09000-306  | ASSEMBLY, HOSE, HYDRAULIC PUMPS MANIFOLD TO GEAR SELECTOR                       |
| 12   | 1   | 10A09000-307  | ASSEMBLY, HOSE, LEFT FUSELAGE TEE TO RIGHT FUSELAGE UNION, UP                   |
| 13   | 1   | 10A09000-308  | ASSEMBLY, HOSE, LEFT FUSELAGE TEE TO RIGHT FUSELAGE UNION, DN                   |
| 14   | 1   | 10A09000-309  | ASSEMBLY, HOSE, COCKPIT FLOOR TO LEFT FUSELAGE TEE, DN                          |
| 15   | 1   | 10A09000-310  | ASSEMBLY, HOSE, COCKPIT FLOOR TO LEFT FUSELAGE TEE, UP                          |
| 16   | 1   | 10A09000-311  | ASSEMBLY, HOSE, HAND PUMP TO GEAR SELECTOR, RETURN                              |
|      | 1   | 1009858-02    | ASSEMBLY, HOSE, HAND PUMP TO GEAR SELECTOR, RETURN, WITH FCU CONTROL ASSEMBLY   |
| 17   | 4   | 10A09000-312  | ASSEMBLY, HOSE, FUSELAGE TO FLOAT DECK                                          |
| 18   | 2   | 10A09000-316  | ASSEMBLY, HOSE, FLOAT MANIFOLD TO NOSE GEAR UP                                  |
| 19   | 2   | 10A09000-317  | ASSEMBLY, HOSE, FLOAT MANIFOLD TO NOSE GEAR DN                                  |
| 20   | 2   | 10A09000-318  | ASSEMBLY, HOSE, FLOAT MANIFOLD TO MAIN GEAR DN                                  |
| 21   | 2   | 10A09000-319  | ASSEMBLY, HOSE, FLOAT MANIFOLD TO MAIN GEAR UP                                  |
| 22   | 4   | 10A09000-321  | ASSEMBLY, HOSE, FLOAT MANIFOLD TO FLOAT DECK                                    |
| 23   | 2   | 10A09000-322  | ASSEMBLY, HOSE, SCOOP TO TUNNEL UP UNION                                        |
| 24   | 2   | 10A09000-323  | ASSEMBLY, HOSE, SCOOP TO TUNNEL DN UNION                                        |
| 25   | 2   | 10A09000-301  | ASSEMBLY, HOSE, SCOOP TUNNEL UP UNION TO FUSELAGE UNION                         |
| 26   | 2   | 10A09000-302  | ASSEMBLY, HOSE, SCOOP TUNNEL DN UNION TO FUSELAGE UNION                         |
| 27   | 2   | AN804-5D      | TEE, BULKHEAD, FLARED TUBE                                                      |
|      | 2   | AN924-5D      | NUT, TUBE, 1/2-20 THREAD                                                        |
|      | 4   | NAS1149D0863J | WASHER, 0.515 ID, 0.063 THK, ALUMINUM                                           |

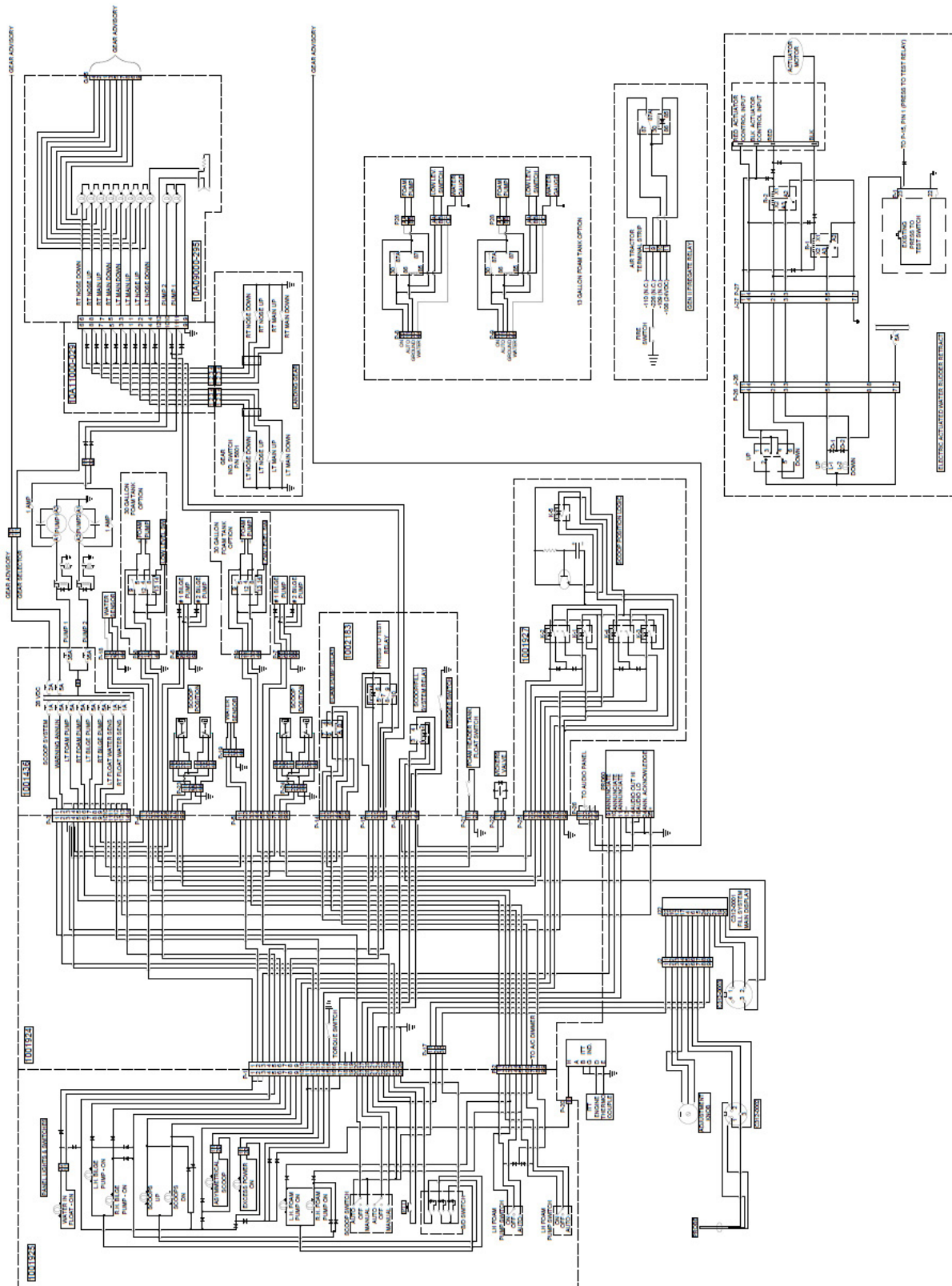
| ITEM | QTY | PART NO.      | PART DESCRIPTION                              |
|------|-----|---------------|-----------------------------------------------|
| 28   | 8   | AN833-5D      | ELBOW, 90 DEGREE, BULKHEAD, FLARED TUBE       |
|      | 8   | AN924-5D      | NUT, TUBE, 1/2-20 THREAD                      |
|      | 16  | NAS1149D0863J | WASHER, 0.515 ID, 0.063 THK, ALUMINUM         |
| 29   | 8   | MS20822-4D    | ELBOW, 90 DEGREE, FLARED TUBE AND PIPE THREAD |
| 30   | 4   | MS20822-5-4D  | ELBOW, 90 DEGREE, FLARED TUBE AND PIPE THREAD |

## SECTION 5 ELECTRICAL

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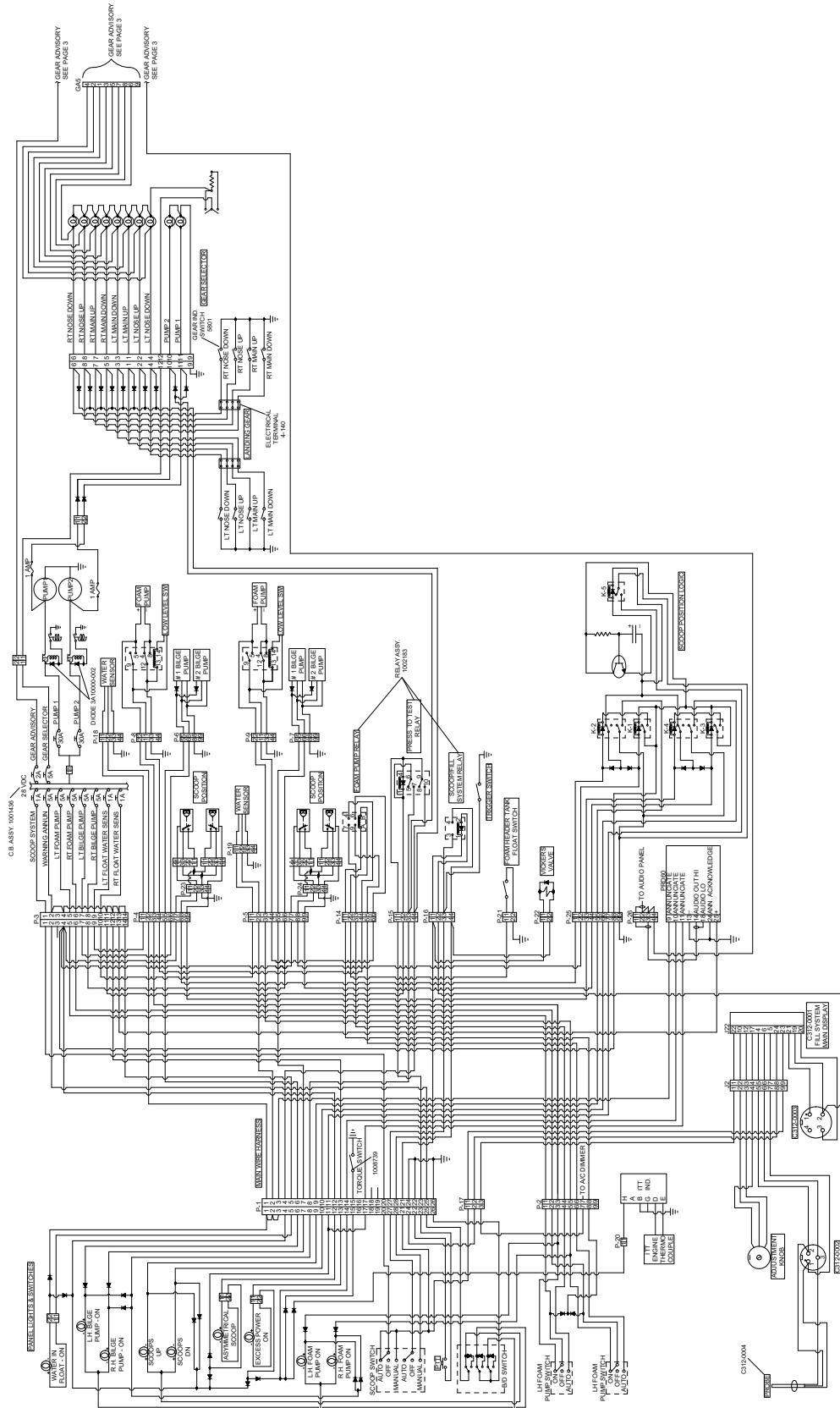
# ELECTRICAL SCHEMATIC POST SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10241 & 10242 AND LATER



PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| REFERENCE PARTS LIST |                  |                |                    |                      |               |                 |              |
|----------------------|------------------|----------------|--------------------|----------------------|---------------|-----------------|--------------|
| DESCRIPTION          | TYPE             | # OF POSITIONS | MALE CONNECTOR P/N | FEMALE CONNECTOR P/N | MALE PINS P/N | FEMALE PINS P/N | SHELL X2 P/N |
| P1                   | CPC              | 28             | 206152-1           | 205839-3             | 205089-1      | 205090-1        | 206070-1     |
| P2                   | CPC              | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |
| P3                   | CPC              | 14             | 206044-1           | 206043-3             | 66103-4       | 66105-4         | 206070-1     |
| P4                   | CPC              | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |
| P5                   | CPC              | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |
| P6                   | CPC              | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |
| P7                   | CPC              | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |
| P8                   | CPC              | 4              | 206429-1           | 206430-1             | 66099-4       | 66101-4         | 206062-3     |
| P9                   | CPC              | 4              | 206429-1           | 206430-1             | 66099-4       | 66101-4         | 206062-3     |
| P10                  | QUICK DISCONNECT | 1              | 73M-250-32-NL      | 73F-250-32-NL        | -             | -               | -            |
| P11                  | MOLEX            | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |
| P12                  | MOLEX            | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |
| P13                  | MOLEX            | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |
| P14                  | MOLEX            | 6              | 03-09-2061         | 03-09-1061           | 02-09-2103    | 02-09-1104      | N/A          |
| P15                  | MOLEX            | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |
| P16                  | MOLEX            | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |
| P17                  | MOLEX            | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |
| P18                  | CPC              | 4              | 206429-1           | 206430-2             | 66099-4       | 66101-4         | 206062-3     |
| P19                  | CPC              | 4              | 206429-1           | 206430-2             | 66099-4       | 66101-4         | 206062-3     |
| P20                  | MOLEX            | 1              | 03-06-2011         | 03-06-1011           | 02-06-2103    | 02-06-1103      | N/A          |
| P21                  | MOLEX            | 2              | 03-06-2023         | 03-06-1023           | 02-06-2103    | 02-06-1103      | N/A          |
| P22                  | MOLEX            | 2              | 03-06-2023         | 03-06-1023           | 02-06-2103    | 02-06-1103      | N/A          |
| P23                  | TURCK            | 4              | U0163-11           | U-34917              | N/A           | N/A             | N/A          |
| P24                  | TURCK            | 4              | U0163-11           | U-34917              | N/A           | N/A             | N/A          |
| P25                  | MOLEX            | 9              | 03-06-2092         | 03-06-1092           | 02-06-2103    | 02-06-1103      | N/A          |
| P26                  | MOLEX            | 9              | -                  | 03-06-2092           | 02-09-2118    | -               | -            |
| P27                  | MOLEX            | 9              | -                  | 03-06-2092           | 02-09-2118    | -               | -            |
| P28                  | APTIV            | 2              | 12010973           | 12015792             | 12124582      | 12124580        | N/A          |
| P29                  | APTIV            | 3              | 12020827           | 12020829             | 12124582      | 12124580        | N/A          |
| P30                  | APTIV            | 2              | 12010973           | 12015792             | 12124582      | 12124580        | N/A          |
| P31                  | APTIV            | 3              | 12020827           | 12020829             | 12124582      | 12124580        | N/A          |
| J26                  | MOLEX            | 9              | 03-09-1094         | -                    | -             | 02-09-1119      | -            |
| J27                  | MOLEX            | 9              | 03-09-1094         | -                    | -             | 02-09-1119      | -            |

# ELECTRICAL SCHEMATIC PRE SERVICE LETTER 207 FLOAT SERIAL NUMBERS 10239 & 10240 AND PRIOR

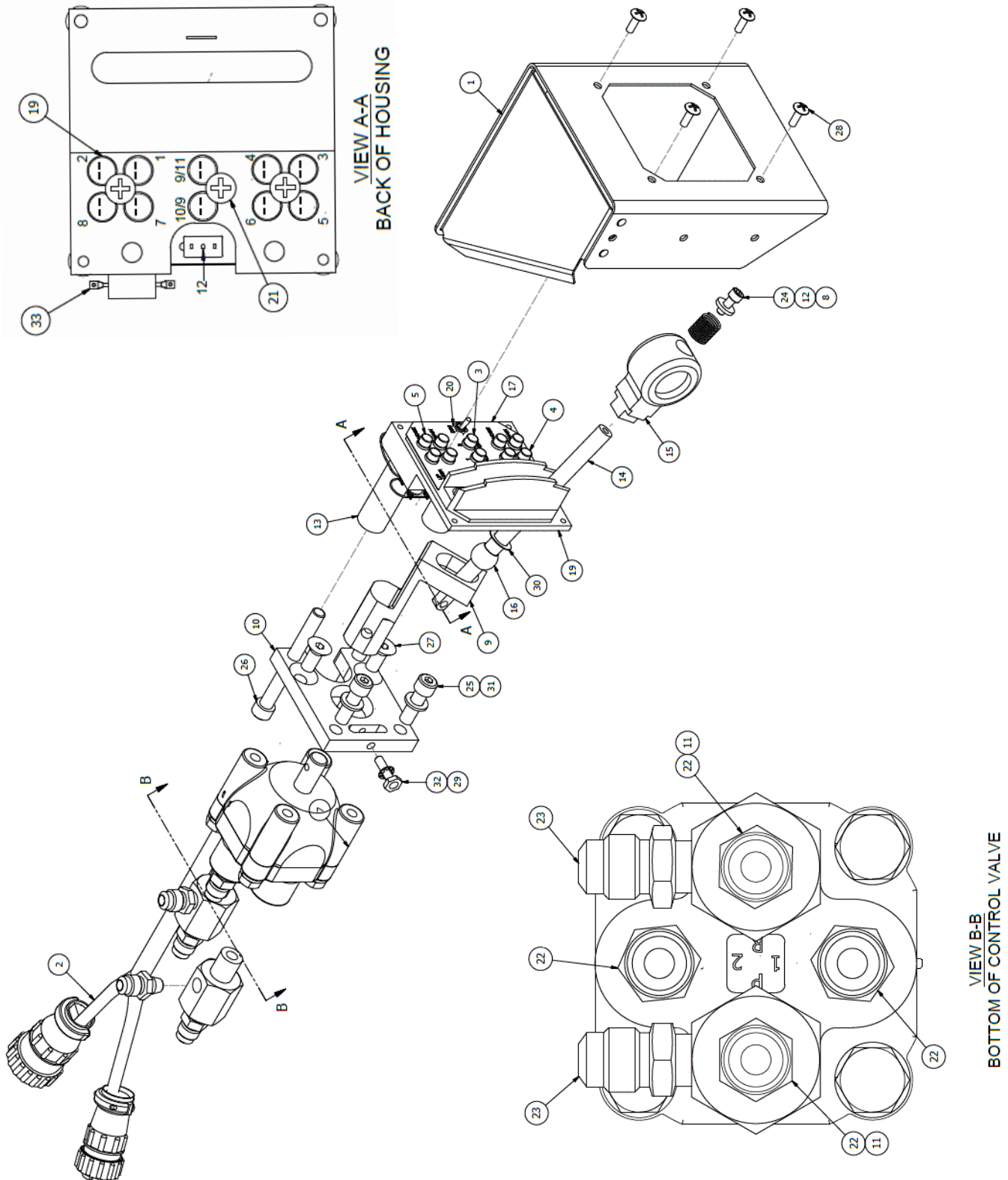




PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

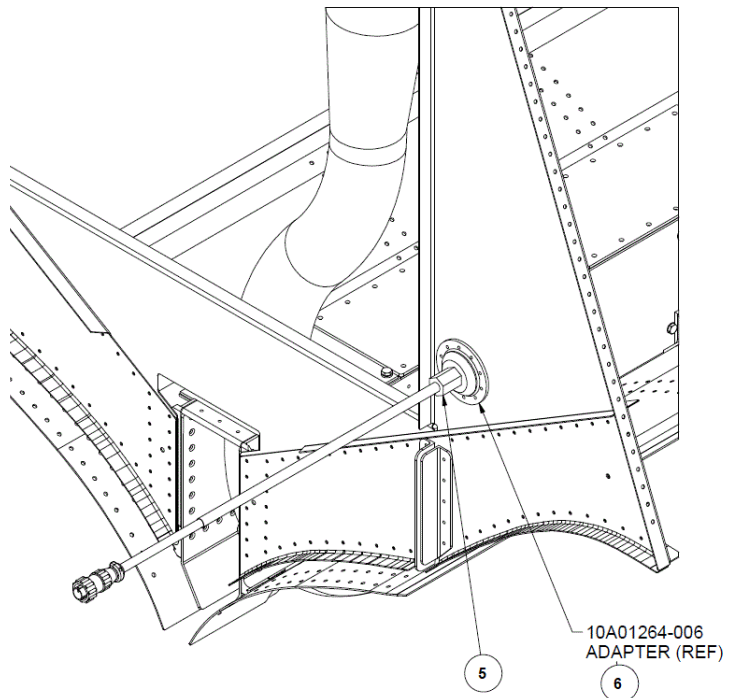
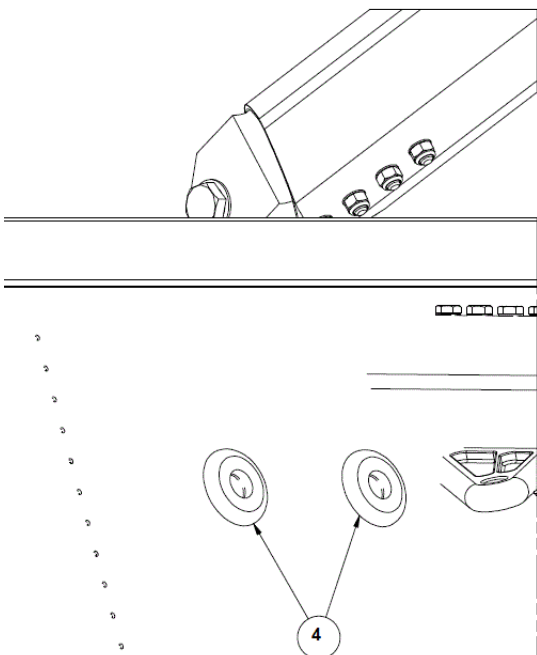
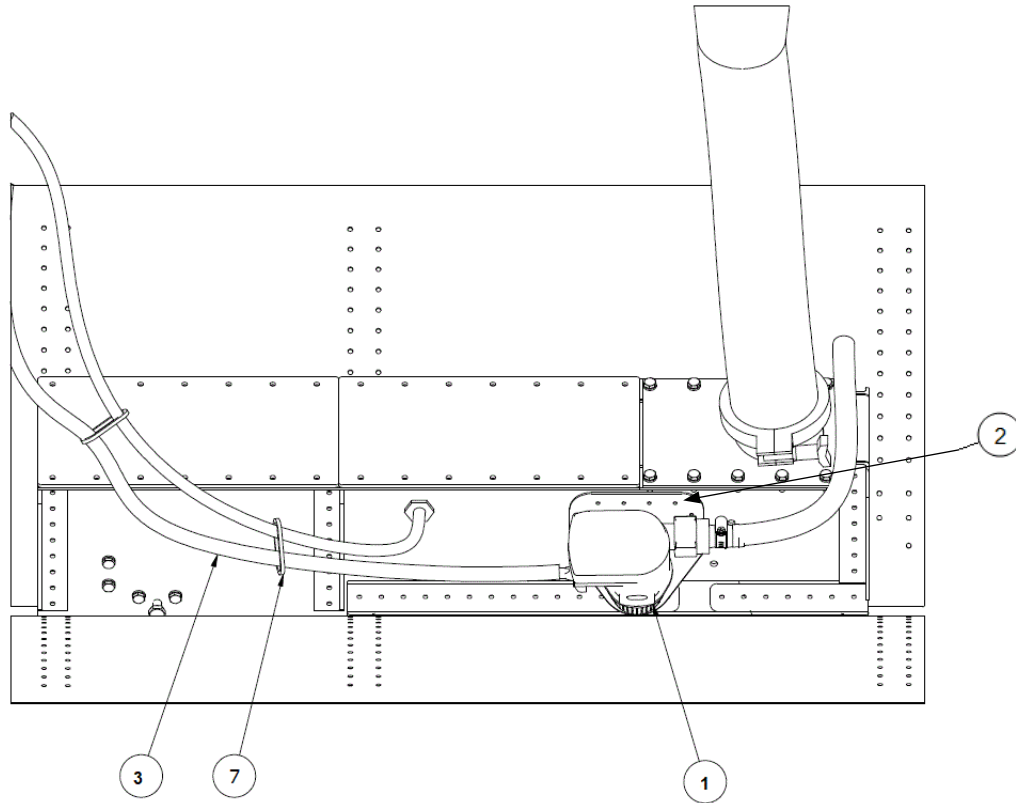
| REFERENCE PARTS LIST |         |                |                    |                      |               |                 |              |  |
|----------------------|---------|----------------|--------------------|----------------------|---------------|-----------------|--------------|--|
| DESCRIPTION          | TYPE    | # OF POSITIONS | MALE CONNECTOR P/N | FEMALE CONNECTOR P/N | MALE PINS P/N | FEMALE PINS P/N | SHELL X2 P/N |  |
| P1                   | CPC     | 28             | 206152-1           | 205839-3             | 205089-1      | 205090-1        | 206070-1     |  |
| P2                   | CPC     | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |  |
| P3                   | CPC     | 14             | 206044-1           | 206043-3             | 66103-4       | 66105-4         | 206070-1     |  |
| P4                   | CPC     | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |  |
| P5                   | CPC     | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |  |
| P6                   | CPC     | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |  |
| P7                   | CPC     | 9              | 206705-2           | 206708-1             | 66099-4       | 66101-4         | 206966-1     |  |
| P8                   | CPC     | 4              | 206429-1           | 206430-1             | 66099-4       | 66101-4         | 206062-3     |  |
| P9                   | CPC     | 4              | 206429-1           | 206430-1             | 66099-4       | 66101-4         | 206062-3     |  |
| P10                  | MOLEX   | 1              | 2601048-200 (KIT)  |                      |               |                 |              |  |
| P11                  | MOLEX   | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P12                  | MOLEX   | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P13                  | MOLEX   | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P14                  | MOLEX   | 6              | 03-09-2061         | 03-09-1061           | 02-09-2103    | 02-09-1104      | N/A          |  |
| P15                  | MOLEX   | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P16                  | MOLEX   | 4              | 03-06-2042         | 03-06-1042           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P17                  | MOLEX   | 3              | 03-06-2032         | 03-06-1032           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P18                  | CPC     | 4              | 206429-1           | 206430-2             | 66099-4       | 66101-4         | 206062-3     |  |
| P19                  | CPC     | 4              | 206429-1           | 206430-2             | 66099-4       | 66101-4         | 206062-3     |  |
| P20                  | MOLEX   | 1              | 03-06-2011         | 03-06-1011           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P21                  | MOLEX   | 2              | 03-06-2023         | 03-06-1023           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P22                  | MOLEX   | 2              | 03-06-2023         | 03-06-1023           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P23                  | TURCK   | 4              | U0163-11           | U-34917              | N/A           | N/A             | N/A          |  |
| P24                  | TURCK   | 4              | U0163-11           | U-34917              | N/A           | N/A             | N/A          |  |
| P25                  | MOLEX   | 9              | 03-06-2092         | 03-06-1092           | 02-06-2103    | 02-06-1103      | N/A          |  |
| P26                  | MOLEX   | 9              | -                  | 03-06-2092           | 02-09-2118    | -               | -            |  |
| P27                  | MOLEX   | 9              | -                  | 03-06-2092           | 02-09-2118    | -               | -            |  |
| J26                  | MOLEX   | 9              | 03-09-1094         | -                    | -             | 02-09-1119      | -            |  |
| J27                  | MOLEX   | 9              | 03-09-1094         | -                    | -             | 02-09-1119      | -            |  |
| K-1                  | RELAY   |                | P/N 90F1117        | KUHP-11D51-24        |               |                 |              |  |
| K-2                  | RELAY   |                | P/N 45F107         |                      |               |                 |              |  |
| K-3                  | RELAY   |                | P/N 09B8512        |                      |               |                 |              |  |
| ZENER DIODE          | 95B4982 |                |                    |                      |               |                 |              |  |
| DIODE                | 1N4006  |                |                    |                      |               |                 |              |  |

## GEAR CONTROL ASSEMBLY



| ITEM | QTY  | PART NO.         | PART DESCRIPTION                                |
|------|------|------------------|-------------------------------------------------|
| -    | 1    | 10A09000-295     | ASSEMBLY, HYDRAULIC CONTROL VALVE               |
| 1    | 1    | 10A12000-080     | GEAR SELECTOR ASSEMBLY, HOUSING                 |
| 2    | 1    | 4A11000-008      | ASSEMBLY, WIRING HARNESS, SELECTOR              |
| 3    | 2    | 5073918-1431-600 | INDICATOR LAMP, 28V, RED                        |
| 4    | 4    | 5073918-1432-600 | INDICATOR LAMP, 28V, GRN                        |
| 5    | 4    | 5073918-1434-600 | INDICATOR LAMP, 28V, BLU                        |
| 6    | 10   | 515-0012         | SOCKET, GEAR SELECTOR LIGHTS                    |
| 7    | 1    | 6A09000-080      | ASSEMBLY, VALVE, HYDRAULIC, WITH MODIFIED PLATE |
| 8    | 1    | 6A09713-001      | SPRING, HYDRAULIC CONTROL VALVE                 |
| 9    | 1    | 6A11032-002      | LINK - HYDRAULIC, CONTROL VALVE                 |
| 10   | 1    | 6A11190-001      | FITTING, HYDRAULIC, CONTROL VALVE               |
| 11   | 2    | 6A11261-005      | FITTING - HYDRAULIC, CONTROL VALVE              |
| 12   | 1    | 6A11274-002      | WASHER, HYDRAULIC CONTROL SYSTEM                |
| 13   | 2    | 6A11278-001      | SPACER - HYDRAULIC CONTROL VALVE                |
| 14   | 1    | 6A11506-001      | ROD, HANDLE, HYD. CONTROL VALVE                 |
| 15   | 1    | 6A11603-002      | KNOB - HYDRAULIC CONTROL VALVE                  |
| 16   | 1    | 6A11704-001      | ROLLER, CONTROL ROD                             |
| 17   | 1    | 7A3-4310         | PLACARD, HYDRAULIC CONTROL VALVE                |
| 18   | 4    | 820-01291        | CAP, BLACK, 7/16-20 THREADS                     |
| 19   | 1    | 8A11199-006      | BLOCK, HYDRAULIC, CONTROL VALVE                 |
| 20   | 1    | A101SYCB         | TOGGLE SWITCH, SPDT, ON ON                      |
| 21   | 3    | AN526-832R6      | SCREW, MACHINE, TRUSS HEAD                      |
| 22   | 4    | AN816-5-4D       | NIPPLE, FLARED TUBE AND PIPE THREAD             |
| 23   | 2    | AN816-5D         | NIPPLE, FLARED TUBE AND PIPE THREAD             |
| 24   | 1    | MS16996-10       | CAP SCREW                                       |
| 25   | 2    | MS16997-80       | SCREW, CAP, SOCKET HEAD                         |
| 26   | 2    | MS16997-88       | SCREW, CAP, SOCKET HEAD                         |
| 27   | 2    | MS24667-40       | BOLT                                            |
| 28   | 4    | MS35214-42       | SCREW, MACHINE, TRUSS HEAD                      |
| 29   | 1    | MS35333-39       | STAR WASHER                                     |
| 30   | 1    | NAS1149D0616J    | WASHER, 0.39 ID, 0.016 THK, ALUMINUM            |
| 31   | 2    | NAS1149F0563P    | WASHER, 0.328 ID, 0.063 THK, STEEL              |
| 32   | 1    | NAS6203-7        | BOLT                                            |
| 33   | 1    | RH-5-180         | RESISTOR, 28V                                   |
| 34   | 6 FT | RNF-3/32-0       | TUBING, SHRINK BLACK                            |

## BILGE PUMP SYSTEM AND WATER SENSOR



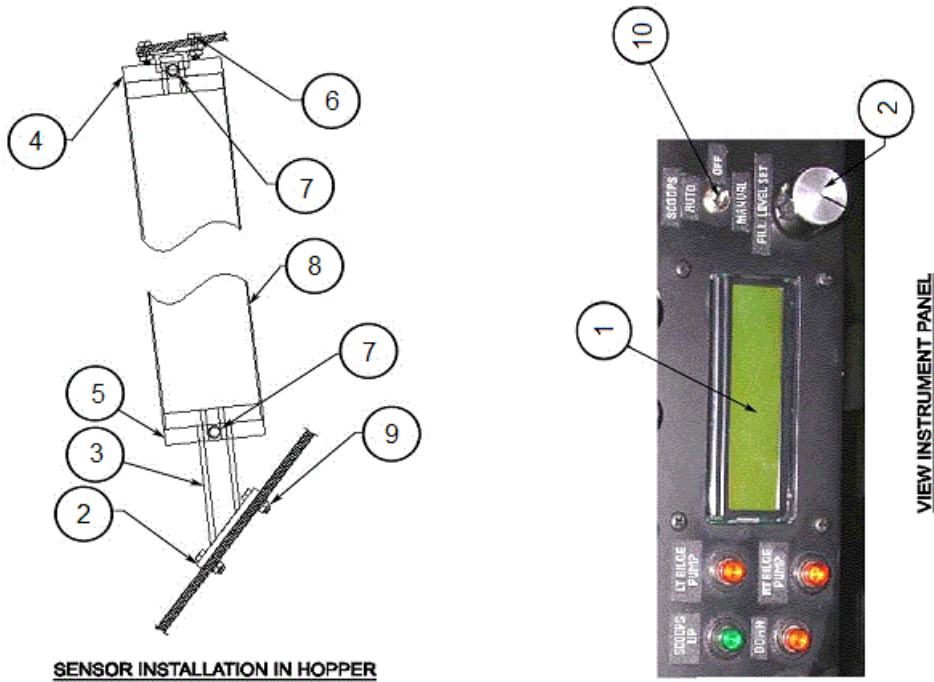
PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                                                                     |
|------|-----|---------------|----------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | 1007499       | ASSY., PUMP, BILGE (S/N 10204 AND PRIOR ORDER 1001797)                                                               |
|      | 2   | RM500B-24     | BILGE PUMP, 24V, 500 GPH (S/N 10204 AND PRIOR ORDER RM750-24)                                                        |
|      | 8   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL                                                                             |
|      | 16  | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                                                                                   |
|      | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                                                                              |
| 2    | 2   | 1007498       | BRACKET – PUMP MOUNT (S/N 10204 AND PRIOR ORDER 10A01163-116)                                                        |
| 3    | 4   | 0232-1419     | ¾" I.D. BILGE HOSE (SPECIFY LENGTH)                                                                                  |
| 4    | 2   | 0322-0404     | ¾" FITTING                                                                                                           |
| 5    | 1   | 1001796       | ASSEMBLY, WATER SENSOR                                                                                               |
|      | 1   | 3G3283-1      | WATER SENSOR                                                                                                         |
|      | 1   | 3G3283-5      | WATER SENSOR ALTERNATE                                                                                               |
| 6    | 1   | 10A01264-006  | ADAPTER – WATER SENSOR                                                                                               |
| 7    | 1   | 1001799       | ASSEMBLY, HARNESS FLOAT WIRING (4 PIN SCOOP POSITION SWITCH CONNECTOR)                                               |
|      | 1   | 1002221       | ASSEMBLY, HARNESS FLOAT WIRING (6 PIN SCOOP POSITION SWITCH CONNECTOR) 6 PIN WIPAIRE S/N 10053-10204A                |
|      | 1   | 1009794       | ASSEMBLY, HARNESS FLOAT WIRING (6 PIN SCOOP POSITION SWITCH CONNECTOR) USED WITH U0163-11 SPLITTER S/N 10205A/10206A |

# AMTECH FILL SENSOR (DISCONTINUED)

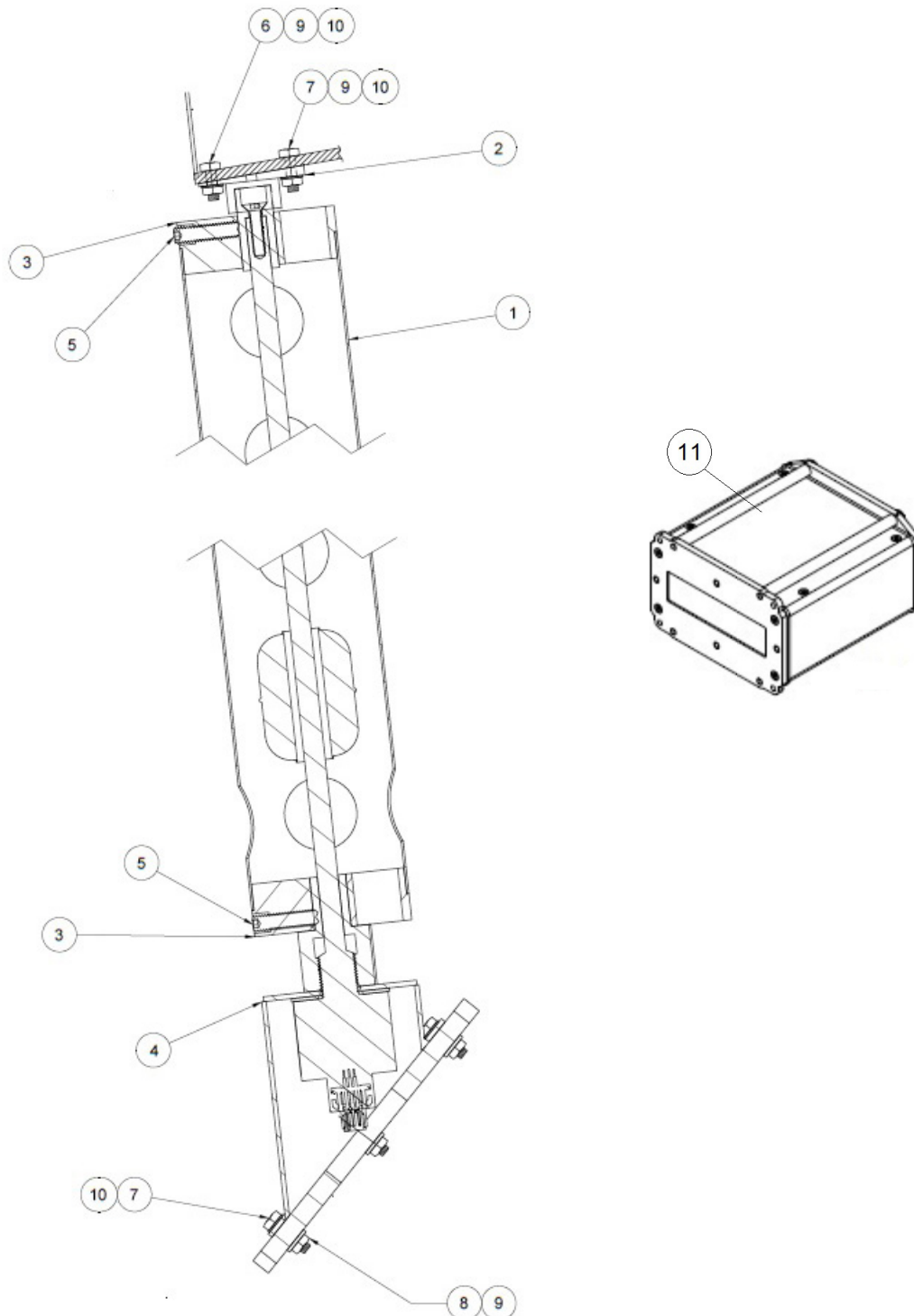
## PRE SERVICE LETTER 205

### FLOAT S/N 10227A & 10228A AND PRIOR



| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 1    | 1   | C312-0001     | FILL SYSTEM DISPLAY                          |
|      | 1   | C312-0003     | OUTPUT CABLE                                 |
|      | 1   | C312-0002     | BREAKOUT CABLE (WITH POTENTIOMETER AND KNOB) |
| 2    | 1   | C312-0004     | PROBE WITH CABLE                             |
| 3    | 1   | 10A12270-008  | SPACER FLOAT                                 |
| 4    | 1   | 10A12264-005  | BRACKET - FLOAT GUIDE                        |
| 5    | 1   | 10A12264-005  | BRACKET - FLOAT GUIDE                        |
| 6    | 1   | 10A12251-006  | BRACKET - UPPER - FLOAT GUIDE                |
|      | 2   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL    |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|      | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
|      | 2   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL     |
| 7    | 2   | 91375A585     | SET SCREW, 5/16"X18X1.25" (25/PKG)           |
| 8    | 1   | 10A12665-001  | SHIELD HOPPER FILL CONTROL                   |
| 9    | 4   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL    |
|      | 4   | AN970-3       | WASHER, .203 ID, .875 OD, .063 THICK         |
|      | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 10   | 1   | 61F1248       | SWITCH, TOGGLE, DOUBLE POLE                  |

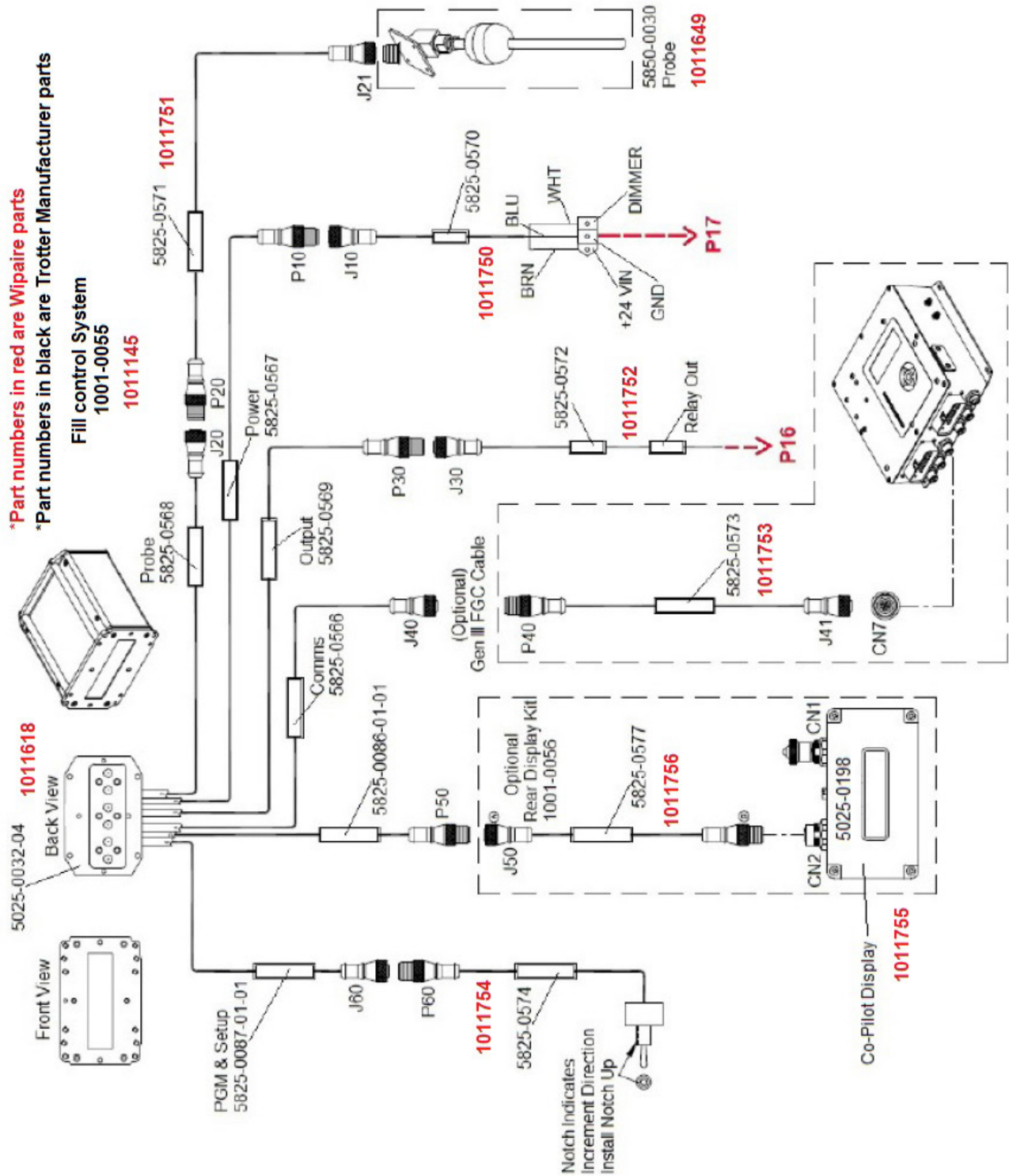
**TROTTER CONTROLS FILL SENSOR (REPLACEMENT)**  
**POST SERVICE LETTER 205**  
**FLOAT S/N 10229A & 10230A OR LATER**



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                                                      |
|------|-----|---------------|---------------------------------------------------------------------------------------|
| -    | 1   | 7D1-4378      | TROTTER, HOPPER FILL CONTROL SYSTEM                                                   |
| 1    | 1   | 1011432       | SHEILD HOPPER                                                                         |
| 2    | 1   | 10A12251-006  | BRACKET, UPPER, FLOAT, GUIDE                                                          |
| 3    | 2   | 10A12264-005  | BRACKET, FLOAT GUIDE                                                                  |
| 4    | 1   | 1011649       | TROTTER PROBE ASSEMBLY, FILL SYSTEM TROTTER<br>MANUFACTURER PART NUMBER 5850-0030     |
| 5    | 2   | 91375A585     | SET SCREW, 5/16-18X1.25                                                               |
| 6    | 2   | AN3C5A        | BOLT, 21/32, 10-32                                                                    |
| 7    | 8   | AN3C6A        | BOLT, 25/32, 10-32                                                                    |
| 8    | 6   | AN970C3       | WASHER, LARGE AREA                                                                    |
| 9    | 10  | MS21044C3     | NUT, 10-32                                                                            |
| 10   | 8   | NAS1149C0363R | WASHER                                                                                |
| 11   | 1   | 1011618       | DISPLAY, FILL LEVEL, PILOT, FIREBOSS TROTTER<br>MANUFACTURER PART NUMBER 5025-0032-04 |



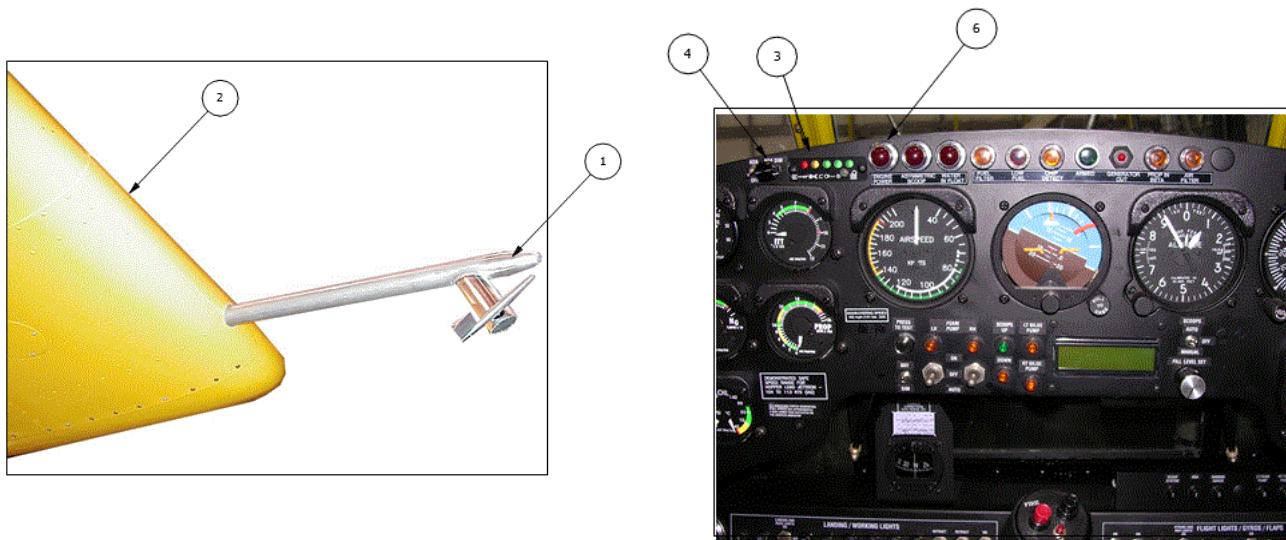
## TROTTER CONTROLS SCHEMATIC



| QTY | PART NO. | PART DESCRIPTION                                                                                      |
|-----|----------|-------------------------------------------------------------------------------------------------------|
| -   | 1011145  | LCD DISPLAY & LEVEL PROVE ASSEMBLY, FIRE BOSS TROTTER<br>MANUFACTURER PART NUMBER 1001-0055           |
| 1   | 1011618  | DISPLAY, FILL LEVEL, PILOT, FIREBOSS TROTTER MANUFACTURER<br>PART NUMBER 5025-0032-04                 |
| 1   | 1011750  | ASS'Y, HARNESS, POWER, FEMALE, FLYING LEAD END TROTTER<br>MANUFACTURER PART NUMBER 5825-0570          |
| 1   | 1011751  | ASS'Y, HARNESS, PROBE EXTENSION CABLE TROTTER<br>MANUFACTURER PART NUMBER 5825-0571                   |
| 1   | 1011752  | ASS'Y, HARNESS, OUTPUT CABLE, FEMALE, FLYING LEAD END<br>TROTTER MANUFACTURER PART NUMBER 5825-0572   |
| 1   | 1011753  | ASS'Y, HARNESS, RS232 TO CN7 OF DV, 5M (16') (OPTIONAL) TROTTER<br>MANUFACTURER PART NUMBER 5825-0573 |
| 1   | 1011754  | ASS'Y, HARNESS, SCOOP QTY SWITCH INTERFACE TROTTER<br>MANUFACTURER PART NUMBER 5825-0574              |
| 1   | 1011649  | ASS'Y, AT-802 FIRE BOSS PROBE TROTTER MANUFACTURER PART<br>NUMBER 5850-0030                           |
| -   | 1011761  | ASS'Y, AT-802 FIRE BOSS REMOTE DISPLAY KIT TROTTER<br>MANUFACTURER PART NUMBER 1001-0056              |
| 1   | 1011755  | ASS'Y, ENCLOSURE LCD REMOTE DISPLAY (FIRE BOSS) TROTTER<br>MANUFACTURER PART NUMBER 5025-0198         |
| 1   | 1011756  | ASS'Y, HARNESS, OPTIONAL REAR DISPLAY TROTTER<br>MANUFACTURER PART NUMBER 5825-0577                   |

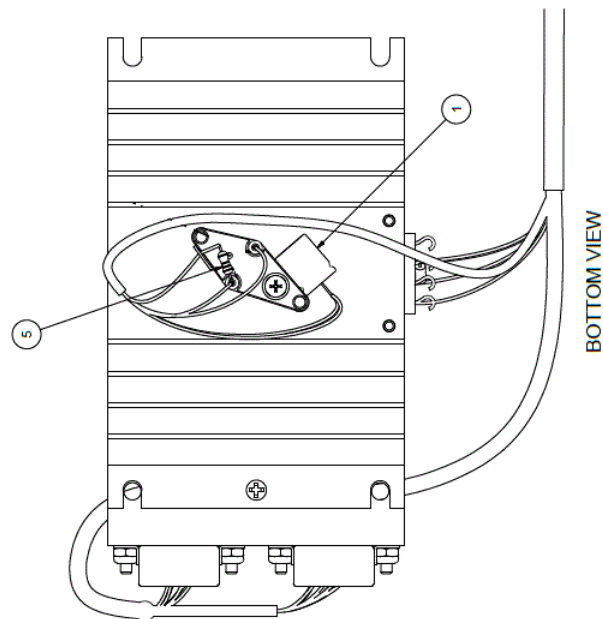
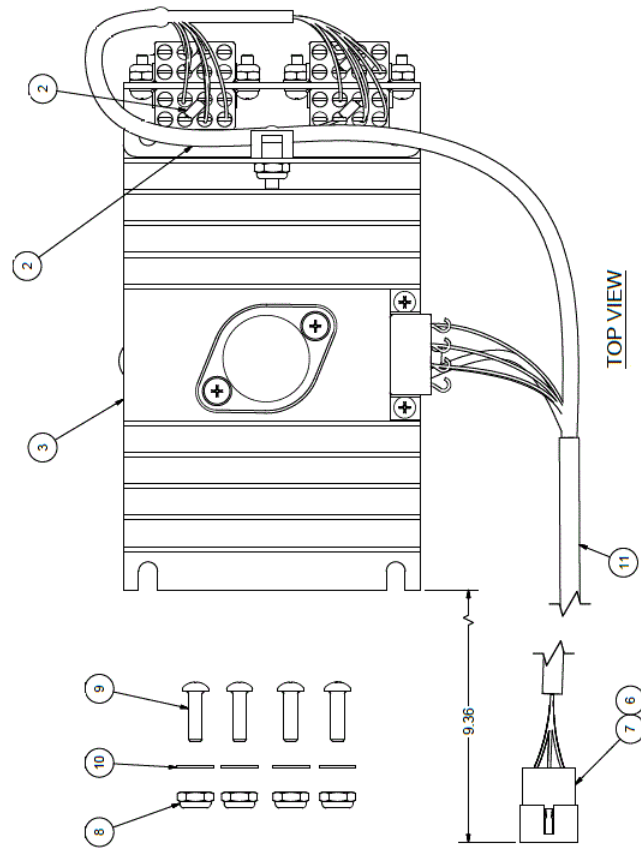
## ANGLE OF ATTACK SYSTEM

**THIS SYSTEM IS NO LONGER INCLUDED IN FIRE BOSS PRODUCTION MODELS. PARTS AVAILABILITY IS SUBJECT TO REMAINING STOCK. PLEASE CALL OUR CUSTOMER SERVICE DEPARTMENT.**



| ITEM | QTY | PART NO.      | PART DESCRIPTION                                           |
|------|-----|---------------|------------------------------------------------------------|
| 1    | 1   | 1002204       | ASSEMBLY PROBE VANE (SPECIFY COLOR)                        |
|      | 1   | 69-24-004     | VANE – POLYMER                                             |
|      | 1   | 69-94-001     | SENSOR, VANE (POTENTIOMETER)                               |
| 2    | 4   | 10A12182-002  | CLAMP, PROBE ATTACH                                        |
|      | 8   | AN3-27A       | BOLT, AIRFRAME, 10-32 THREAD, 2-1/2" GRIP, 2-29/32" LENGTH |
|      | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                         |
|      | 8   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                    |
| 3    | 1   | 69-21-001     | DISPLAY, ANGLE OF ATTACK                                   |
|      | 1   | 69-21-001-W   | DISPLAY LEAD 10'                                           |
| 4    | 1   | 69-95-002     | DIMMER RHEOSTAT                                            |
| 5    | 1   | 69-FK         | KIT SENSOR POSITION FLAP (NOT SHOWN)                       |
|      | 1   | 69-23-006     | SENSOR, FLAP                                               |

## SCOOP SENSOR LOGIC POSITION

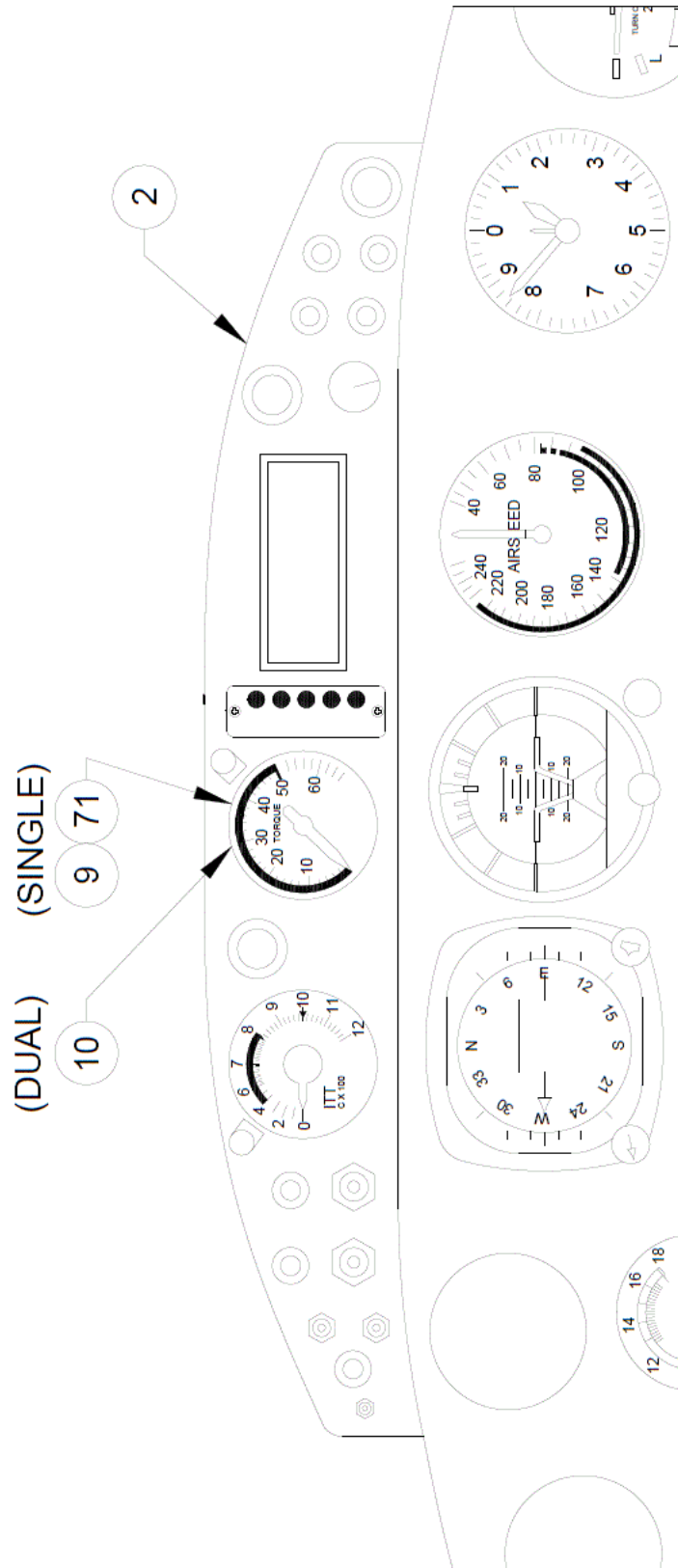


## PARTS MANUAL

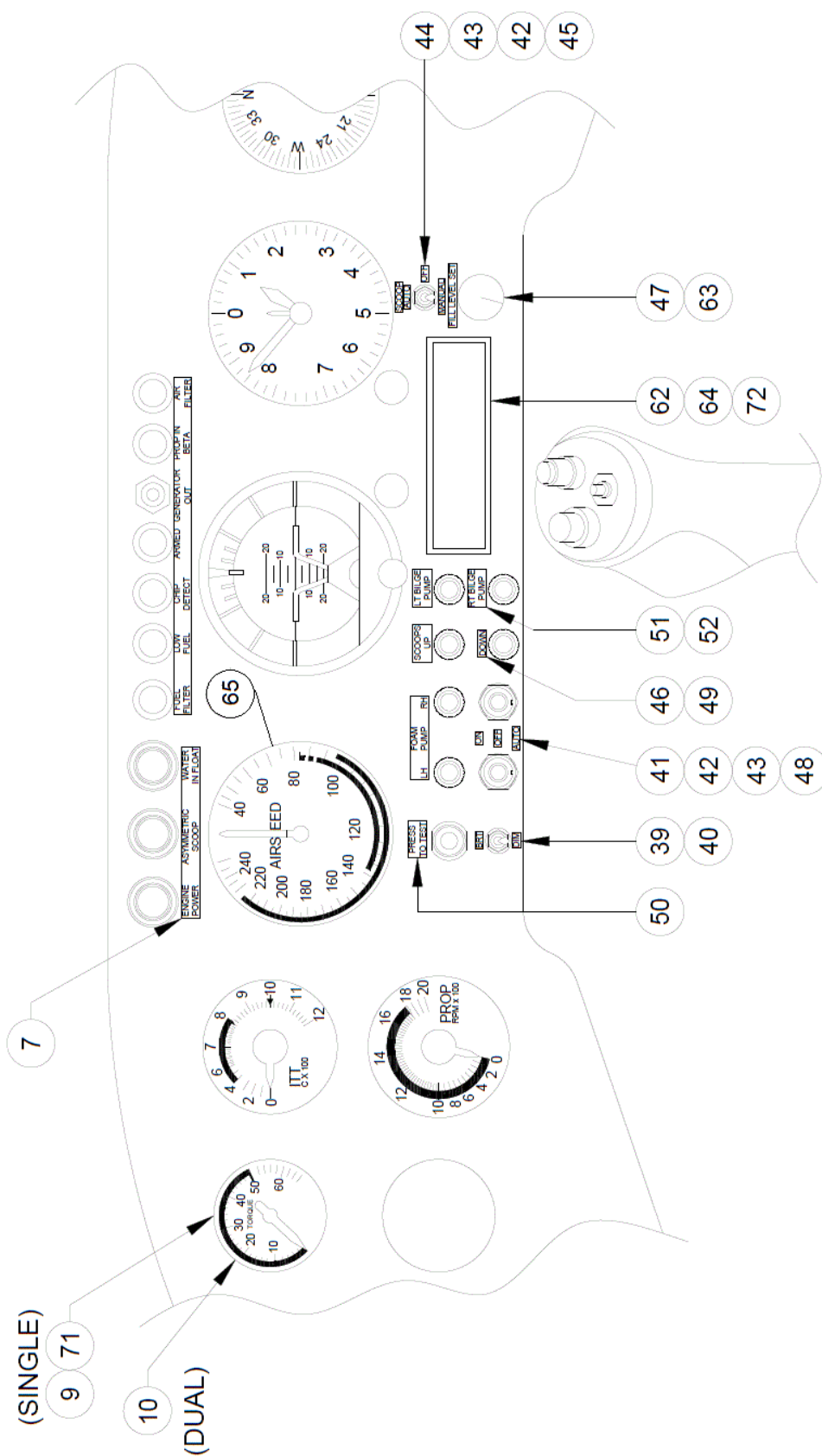
## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

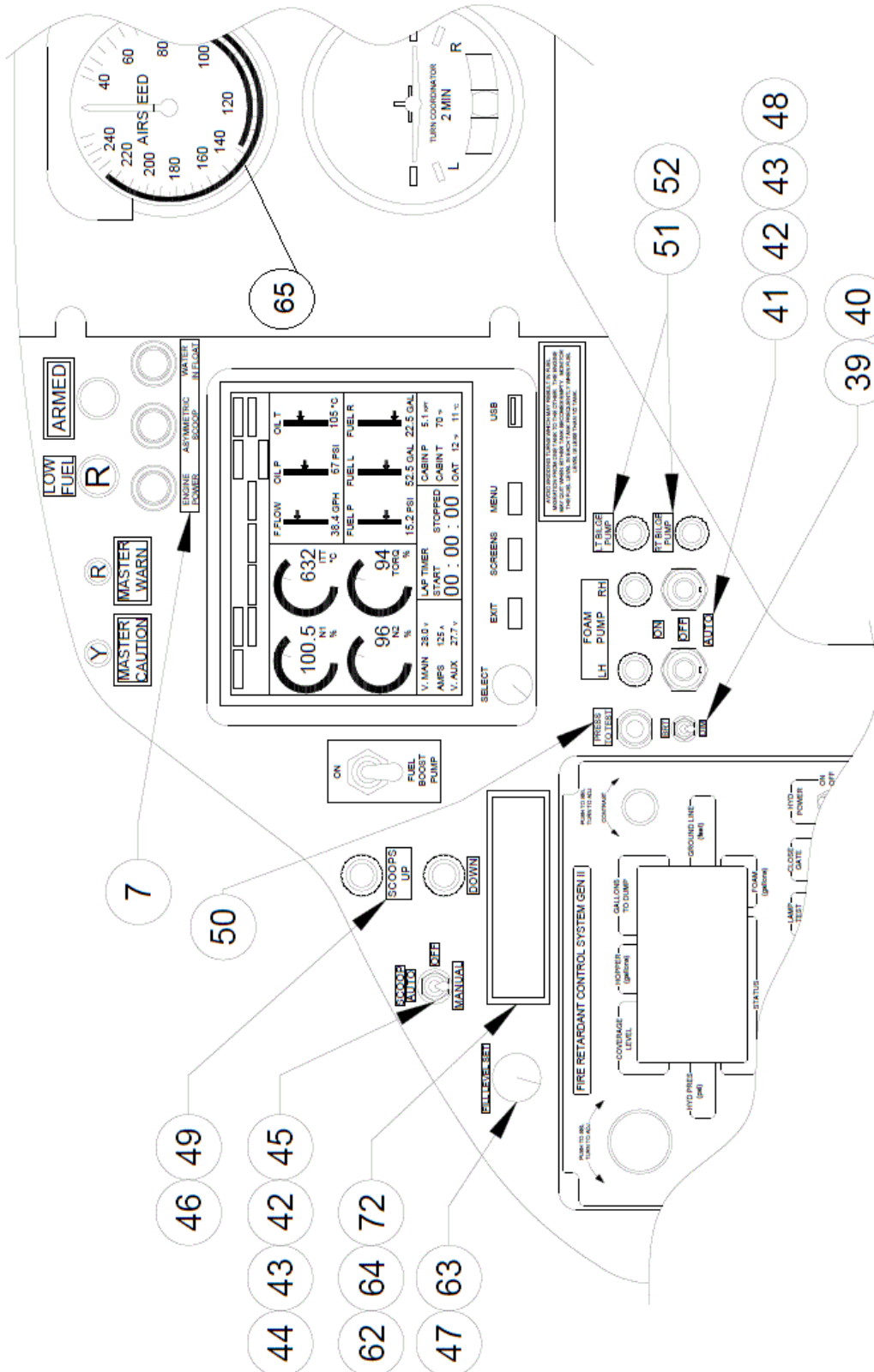
| ITEM | QTY    | PART NO.      | PART DESCRIPTION                          |
|------|--------|---------------|-------------------------------------------|
| -    | 1      | 1001927       | ASSEMBLY LOGIC POSITION SCOOP             |
| 1    | 1      | 01E9319-1     | ALUMINUM ELECTROLYTIC CAPACITOR           |
| 2    | 9      | 09F3604       | DIODE                                     |
| 3    | 1      | 1002163       | ASSEMBLY, HEAT SINK, SCOOP POSITION LOGIC |
| 4    | 55 FT  | 22759-16-22-9 | WIRE, 22 AWG, WHITE                       |
| 5    | 1      | 291-33K-RC    | RESISTOR                                  |
| 6    | 9      | 35C4909       | CRIMP PIN CONTACT, MALE, 22-18            |
| 7    | 1      | 38C8715       | MULTIPOLE CONNECTOR, MALE 9 PIN           |
| 8    | 4      | MS21044N06    | NUT, LOCKING, REGULAR HEIGHT, 6-32 UNC    |
| 9    | 4      | MS35206-230   | SCREW, MACHINE, PAN HEAD                  |
| 10   | 4      | NAS1149FN616P | WASHER, 0.149 ID, 0.016 THK, STEEL        |
| 11   | 1.5 FT | XPF-3/8       | EXPANDABLE SLEEVE, BLACK                  |

## WATER BOMBER INSTRUMENT PANEL



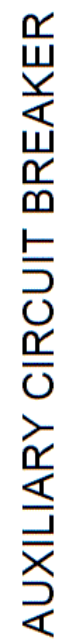
OPTIONAL AUXILIARY PANEL  
AIR TRACTOR INST. PANEL P/N 51625-3

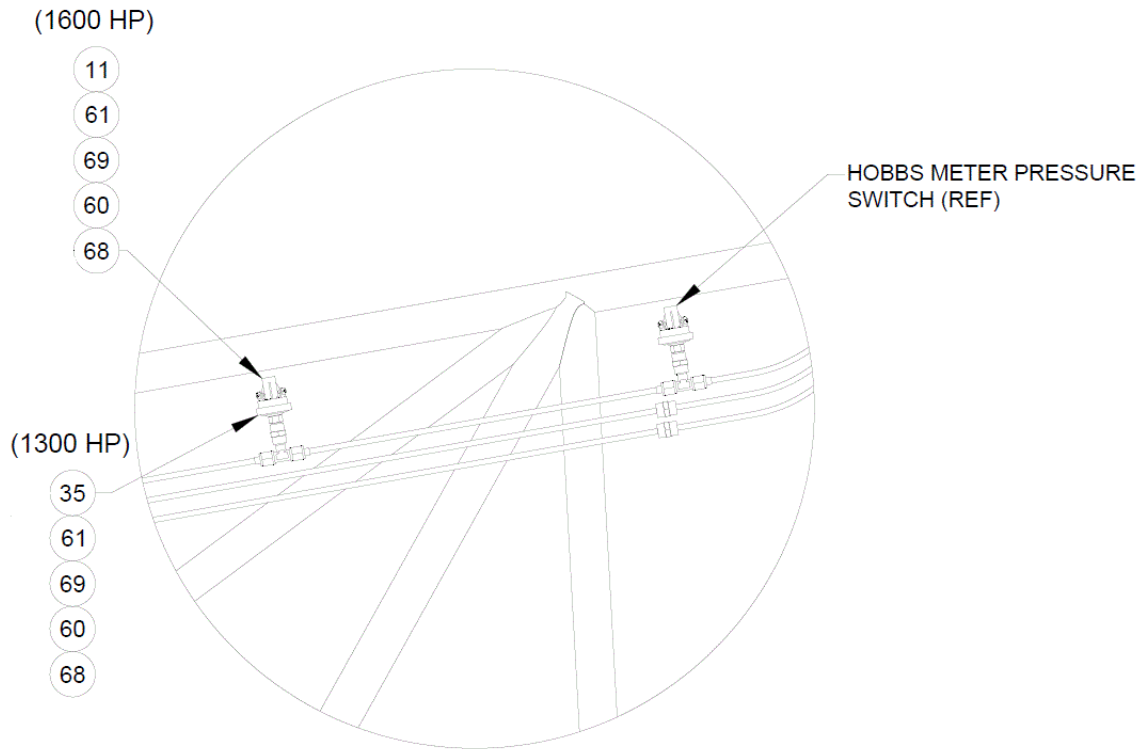




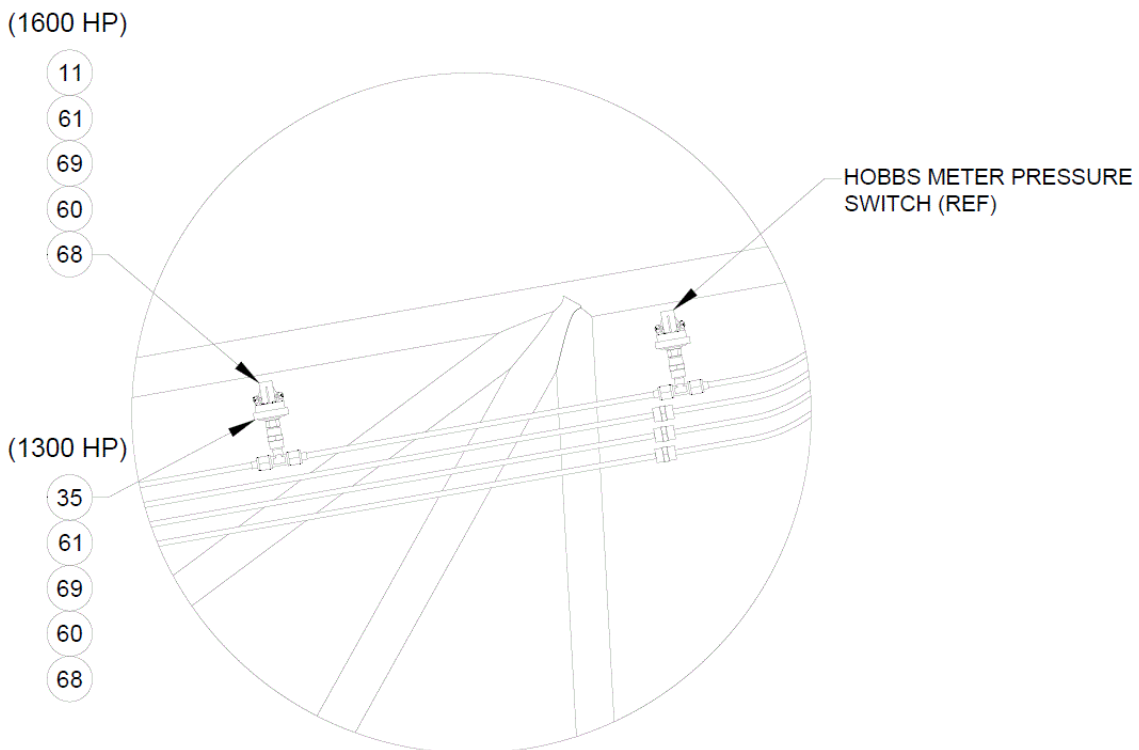
TYPICAL LOCATION FOR ANNUNCIATOR AND SWITCHES (1001925)  
AIR TRACTOR INST. PANEL P/N 53172





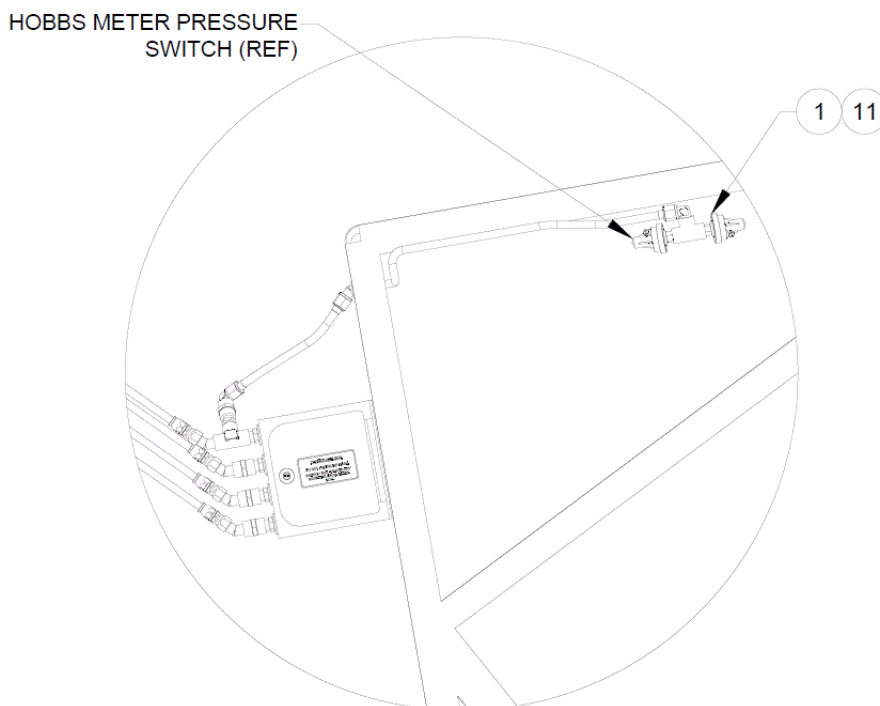


TORQUE PRESSURE SWITCH  
SINGLE PORT TORQUE GAUGE



TORQUE PRESSURE SWITCH  
DUAL PORT TORQUE GAUGE

PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION



TORQUE PRESSURE SWITCH  
MVP ENGINE INSTRUMENT SYSTEM

| ITEM | QTY   | PART NO.      | PART DESCRIPTION                            |
|------|-------|---------------|---------------------------------------------|
| 1    | 1     | 1/8 MMO-S     | PARKER - TEE, INTERNAL PIPE THREAD, 1/8 NPT |
| 2    | 1     | 1001363       | ASSEMBLY, AUXILIARY INSTRUMENT PANEL        |
| 3    | 1     | 1001436       | ASSEMBLY, AUXILIARY CIRCUIT BREAKER         |
| 4    | 1     | 1001924       | MAIN WIRE HARNESS                           |
| 5    | 1     | 1001925       | WIRE HARNESS, AUXILIARY INSTRUMENT PANEL    |
| 6    | 1     | 1001927       | ASSEMBLY, SCOOP POSITION LOGIC              |
| 7    | 1     | 1002181       | PLACARD, ENGINE POWER                       |
| 8    | 1     | 1002183       | ASSEMBLY, RELAY                             |
| 9    | 1     | 1004813       | TORQUE GAUGE, SINGLE PORT                   |
| 10   | 1     | 1008366       | TORQUE GAUGE, DUAL PORT                     |
| 11   | 1     | 1008739       | PRESSURE SWITCH, OVER TORQUE, 1600 HP       |
| 12   | 1     | 10A11000-029  | WIRE HARNESS, 14 PIN                        |
| 13   | 1     | 10A11000-030  | WIRE HARNESS, PUMP                          |
| 14   | 2     | 1-480702-0    | PLUG HOUSING, 4 POSITION                    |
| 15   | 2     | 1-480703-0    | PLUG AND SOCKET HOUSING, 4 POSITION         |
| 16   | 10    | 205090-1      | CRIMP SOCKET, 24-20G, FEMALE                |
| 17   | 2     | 206708-1      | 9 PIN CPC CONNECTOR                         |
| 18   | 2     | 206966-7      | CPC CABLE CLAMP, SIZE 13                    |
| 19   | 10 FT | 22759-16-20-9 | WIRE, 20 AWG, WHITE                         |
| 20   | 1     | 26C1308       | HOUSING, MOLEX, 3 PIN                       |

| ITEM | QTY   | PART NO.         | PART DESCRIPTION                      |
|------|-------|------------------|---------------------------------------|
| 21   | 3     | 26C1313          | HOUSING, MOLEX, 2 PIN                 |
| 22   | 3     | 26C1314          | PLUG, MOLEX 2 PIN FEMALE              |
| 23   | 2     | 31890            | TERMINAL, RING                        |
| 24   | 8     | 350689-1         | CRIMP SOCKET                          |
| 25   | 8     | 350690-1         | CRIMP PIN                             |
| 26   | 6     | 36154            | TERMINAL, RING                        |
| 27   | 10    | 36160            | TERMINAL, RING                        |
| 28   | 20    | 35C4908          | CRIMP PIN CONTACT, FEMALE             |
| 29   | 10    | 35C4909          | CRIMP PIN CONTACT, MALE               |
| 30   | 1     | 38C8706          | HOUSING, MOLEX, 1 PIN                 |
| 31   | 1     | 38C8715          | 9 PIN MOLEX CONNECTOR                 |
| 32   | 1     | 5073918-1431-600 | LAMP, RED, 28V                        |
| 33   | 1     | 5073918-1432-600 | LAMP, GREEN, 28V                      |
| 34   | 1     | 5073918-1434-600 | LAMP, BLUE, 28V                       |
| 35   | 1     | 61233-1          | PRESSURE SWITCH, OVER TORQUE, 1350 HP |
| 36   | 10    | 66101-4          | CRIMP SOCKET                          |
| 37   | 20    | 66105-4          | CRIMP SOCKET                          |
| 38   | 1     | 68X4             | BRASS FITTING (AIRTRACTOR)            |
| 39   | 1     | 7B3-4400-1       | PLACARD, BRIGHT                       |
| 40   | 1     | 7B3-4400-2       | PLACARD, DIM                          |
| 41   | 1     | 7B3-4400-3       | PLACARD, ON                           |
| 42   | 3     | 7B3-4400-4       | PLACARD, OFF                          |
| 43   | 2     | 7B3-4400-6       | PLACARD, AUTO                         |
| 44   | 1     | 7B3-4400-7       | PLACARD, SCOOPS                       |
| 45   | 1     | 7B3-4400-8       | PLACARD, MANUAL                       |
| 46   | 1     | 7B3-4400-9       | PLACARD, DOWN                         |
| 47   | 1     | 7B3-4400-13      | PLACARD, FILL LEVEL                   |
| 48   | 1     | 7B3-4400-14      | PLACARD, FOAM PUMP                    |
| 49   | 1     | 7B3-4400-16      | PLACARD, SCOOPS UP                    |
| 50   | 1     | 7B3-4400-17      | PLACARD, PRESS TO TEST                |
| 51   | 1     | 7B3-4400-22      | PLACARD, BILGE PUMP LT                |
| 52   | 1     | 7B3-4400-23      | PLACARD, BILGE PUMP RT                |
| 53   | 1     | 96B7033          | PLUG, MOLEX, 9 POSITION               |
| 54   | 10 FT | 97358            | SPLIT LOOM, 1/4", BLACK               |
| 55   | 10 FT | 97359            | SPLIT LOOM, 3/8", BLACK               |
| 56   | 10 FT | 97361            | SPLIT LOOM, 1/2", BLACK               |
| 57   | 10 FT | 97363            | SPLIT LOOM, 3/4", BLACK               |
| 58   | 4     | AAP-43           | POP RIVET                             |
| 59   | 8     | AN526-832R8      | SCREW                                 |
| 60   | 2     | AN818-4D         | NUT, TUBE COUPLING                    |
| 61   | 1     | AN910-1D         | COUPLING, PIPE THREAD                 |

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| ITEM | QTY  | PART NO.      | PART DESCRIPTION                |
|------|------|---------------|---------------------------------|
| 62   | 1    | C312-0001     | DIGITAL READ OUT, FILL SYSTEM   |
| 63   | 1    | C312-0002     | CABLE, FILL SYSTEM              |
| 64   | 1    | C312-0003     | CABLE, FILL SYSTEM              |
| 65   | 1    | 1004885       | AIRSPEED INDICATOR AT-802 ONLY  |
|      | 1    | EA5175-22     | AIRSPEED INDICATOR AT-802A ONLY |
| 66   | 5 FT | HS105-1/4-0   | HEAT SHRINK, BLACK              |
| 67   | 5 FT | HS105-3/16-0  | HEAT SHRINK, BLACK              |
| 68   | 2    | MS20819-4D    | SLEEVE, FLARED TUBE FITTING     |
| 69   | 1    | MS20825-4D    | TEE, PIPE TO TUBE               |
| 70   | 8    | MS21044N08    | NUT, LOCKING NYLON INSERT       |
| 71   | 1    | MS28042-1A    | CLAMP                           |
| 72   | 4    | MS35214-25    | BRASS SCREW                     |
| 73   | 8    | NAS1149FN832P | WASHER                          |
| 74   | 100  | PLT1M-M0      | ZIP TIES, SMALL                 |
| 75   | 100  | PLT3S-M0      | ZIP TIES, MEDIUM                |
| 76   | 1    | PRD60         | RECORDER, DIGITAL ORAL AURAL    |
| 77   | 10   | R-3           | TERMINAL RING, # 6 STUD         |
| 78   | 10   | R-5           | TERMINAL RING, # 10 STUD        |
| 79   | 4    | S1021A8-10    | SCREW                           |
| 80   | 1    | S1139-1       | TEE FITTING                     |
| 81   | 4    | S2034-1       | MOUNT                           |
| 82   | 200  | T18L          | ZIP TIES, 8"                    |
| 83   | 4    | T-8           | CABLE TIE MOUNT                 |
| 84   | 8    | Y-2           | RING CONNECTOR, # 6 STUD        |
| 85   | 8    | Y-3           | RING CONNECTOR, # 8 STUD        |
| 86   | 8    | Y-4           | RING CONNECTOR, # 10 STUD       |
| 87   | 2    | Y-6           | RING CONNECTOR, 5/16 STUD       |

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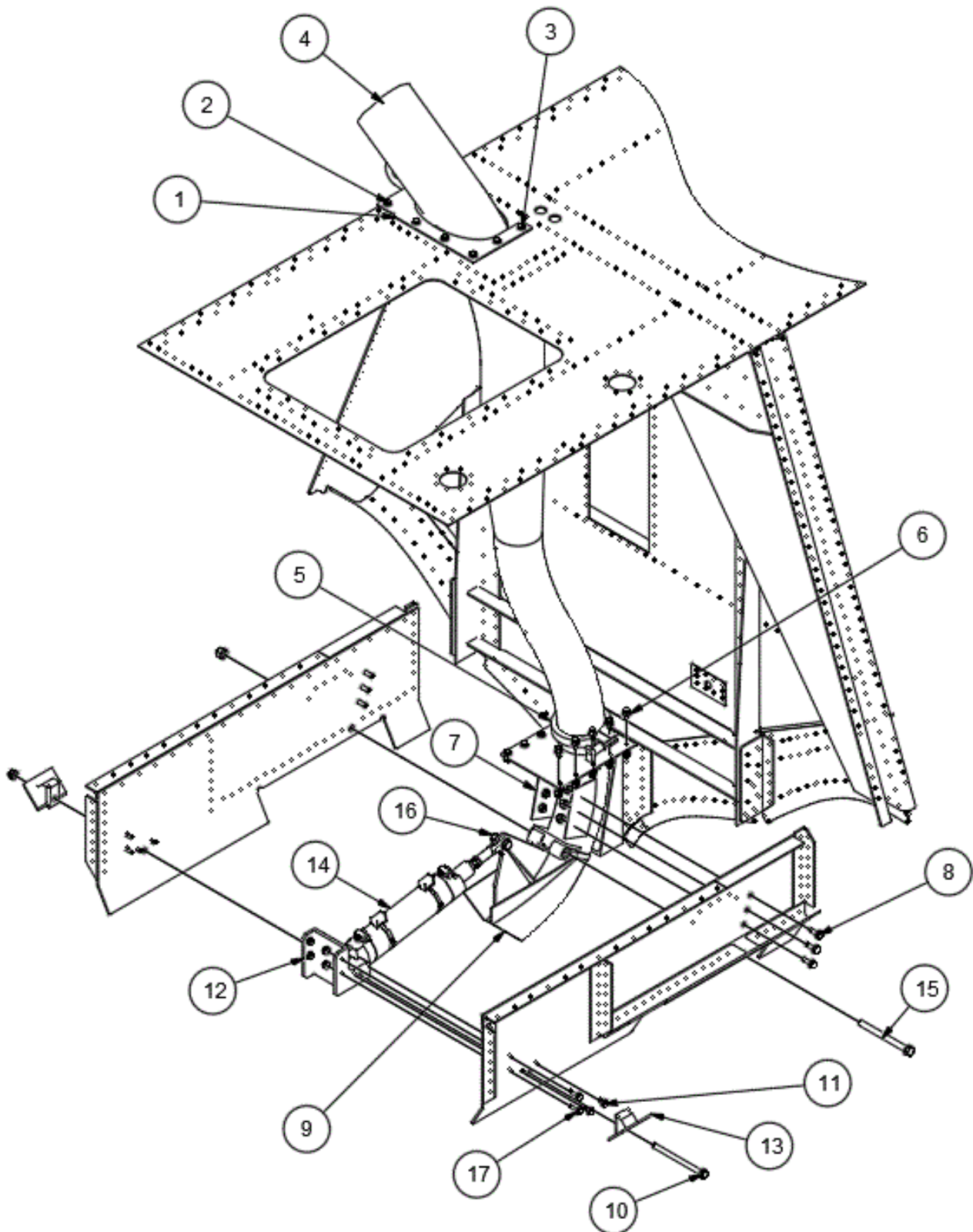
## **SECTION 6**

# **SCOOP SYSTEM**

### **CONTENTS**

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| SCOOP SYSTEM .....                 | 172 |
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| HOPPER VENT SYSTEM .....           | 178 |
| FILL SYSTEM FUSELAGE .....         | 183 |
| FILL VALVE ASSEMBLY .....          | 187 |

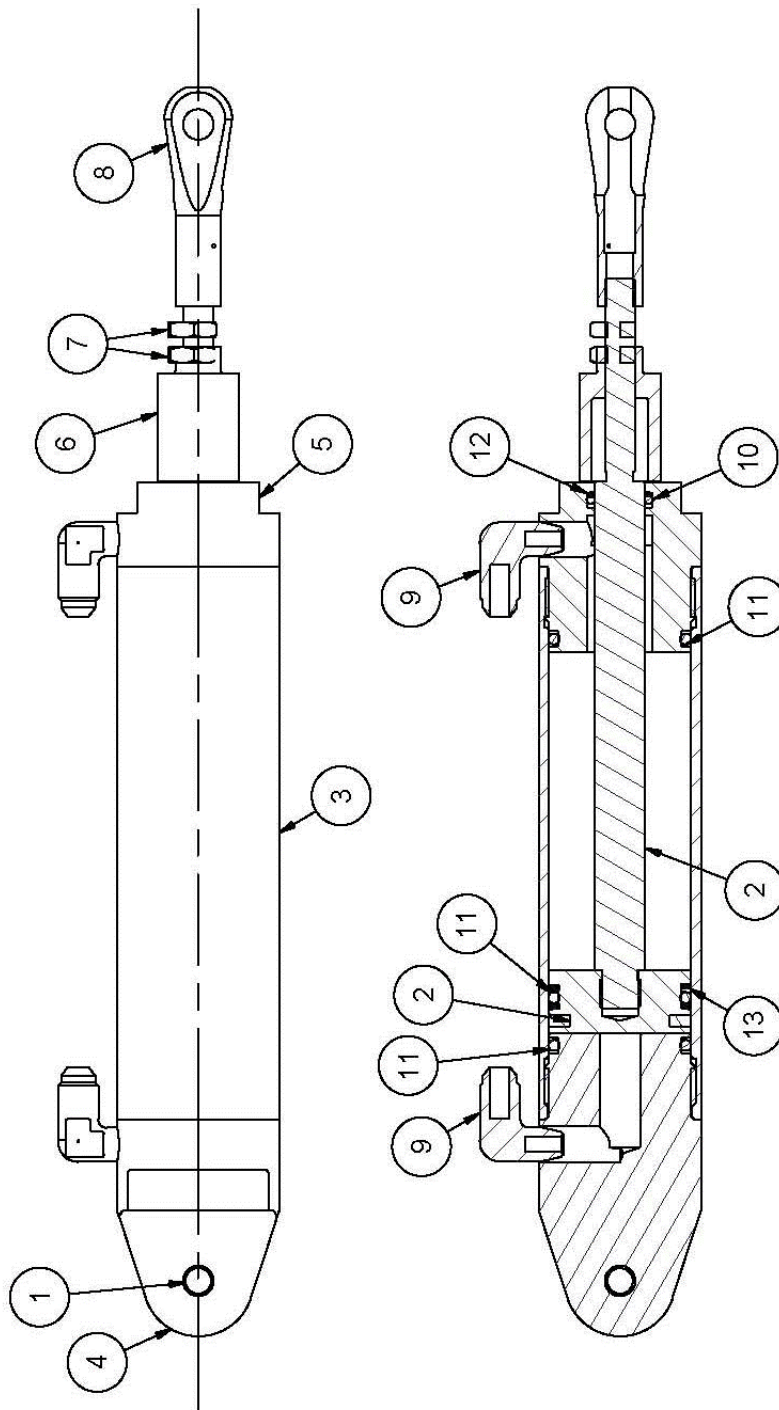
## SCOOP SYSTEM





| ITEM  | QTY | PART NO.      | PART DESCRIPTION                             |
|-------|-----|---------------|----------------------------------------------|
| 1 LT. | 1   | 10A01592-005  | FLANGE, FLOAT DECK, SCOOP TUBE, LEFT         |
| 1 RT. | 1   | 10A01592-004  | FLANGE, FLOAT DECK, SCOOP TUBE, RIGHT        |
| 2     | 3   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL    |
|       | 6   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|       | 3   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 3     | 5   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL     |
|       | 10  | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|       | 5   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 4 LT. | 1   | 10A01000-453  | ASSEMBLY, SCOOP TUBE & FLANGE, LEFT HAND     |
| 4 RT. | 1   | 10A01000-452  | ASSEMBLY, SCOOP TUBE, RIGHT                  |
| 5     | 1   | 1001159       | CLAMP, WATER TUBE, 10000                     |
|       | 1   | 7G3.0         | GASKET, SCOOP TUBE, ASSEMBLY                 |
| 6     | 10  | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL     |
|       | 20  | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|       | 10  | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 7     | 1   | 10A01000-454  | ASSEMBLY, SCOOP TUBE, UPPER PROBE            |
| 8     | 6   | AN4-6A        | BOLT, 1/4-28, 0.3125 GRIP, UNDRILLED, STEEL  |
|       | 12  | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL           |
|       | 6   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF     |
| 9     | 1   | 10A01000-455  | ASSEMBLY, SCOOP TUBE, LOWER PROBE            |
|       | 2   | 10A01542-001  | BUSHING - PIVOT - SCOOP                      |
| 10    | 1   | AN5-42A       | BOLT, 5/16-24, 3.8125 GRIP, UNDRILLED, STEEL |
|       | 2   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL           |
|       | 1   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL 5/16-24  |
| 11    | 4   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL    |
|       | 4   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
| 12    | 1   | 10A01031-002  | PIVOT BRACKET - PROBE JACK                   |
| 13    | 1   | 10A01198-022  | SEAL, BOTTOM BOLT                            |
| 14    | 1   | 10A09000-293  | ASSEMBLY, CYLINDER, PROBE JACK               |
| 15    | 1   | AN6-41A       | BOLT, 3/8-24, 3.5625 GRIP, UNDRILLED, STEEL  |
|       | 2   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL            |
|       | 1   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF     |
| 16    | 1   | AN6-11A       | BOLT, 3/8-24, 0.5625 GRIP, UNDRILLED, STEEL  |
|       | 2   | NAS1149F0663P | WASHER, 0.39 ID, 0.063 THK, STEEL            |
|       | 1   | MS21044N6     | NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF     |
| 17    | 4   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL    |
|       | 8   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|       | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |

## PROBE JACK CYLINDER ASSEMBLY

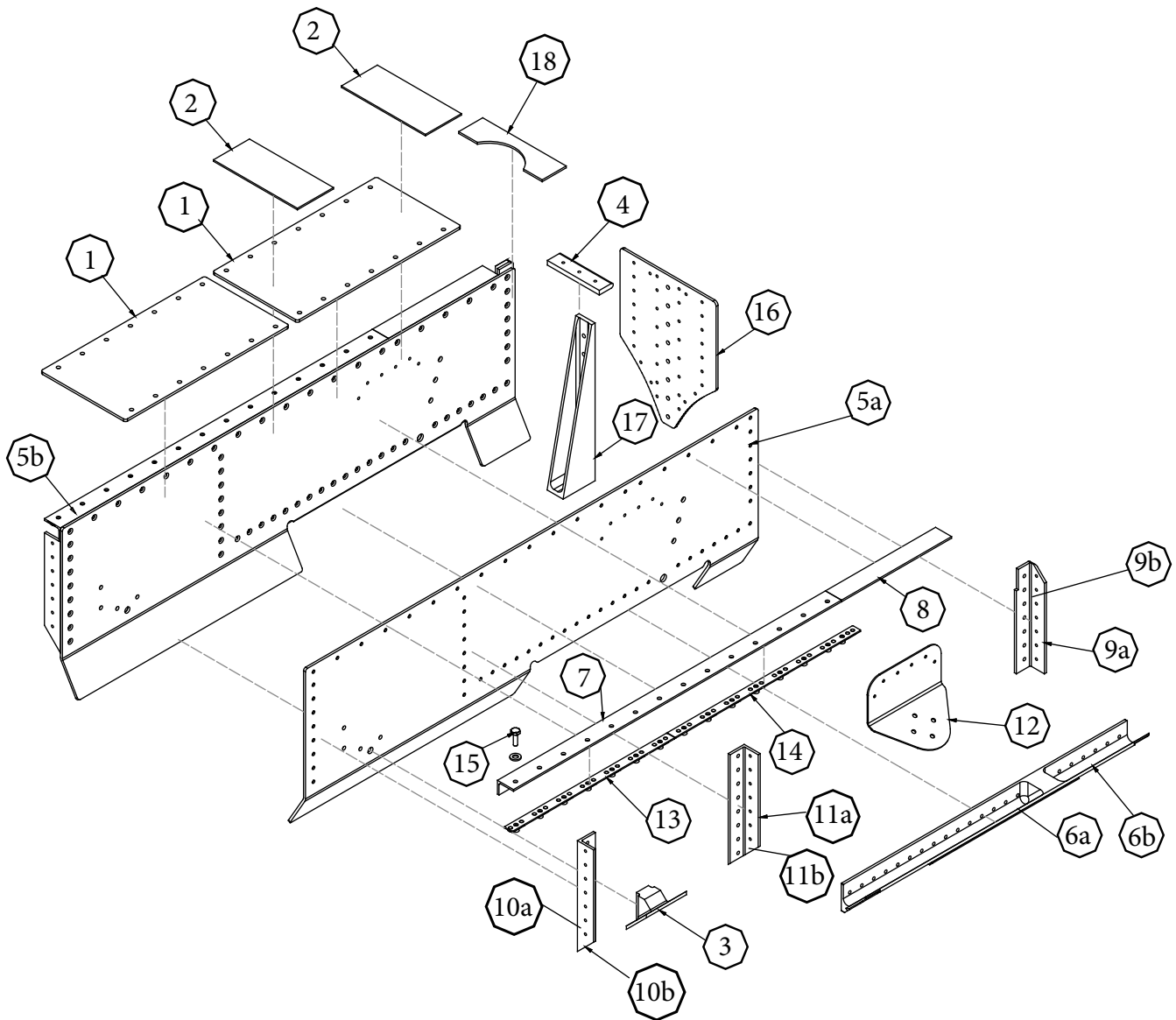


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10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.              | PART DESCRIPTION                                                   |
|------|-----|-----------------------|--------------------------------------------------------------------|
| -    | 1   | 10A09000-293          | PROBE JACK CYLINDER ASSEMBLY                                       |
| 1    | 1   | 05DU06                | SELF LUBRICATING BUSHINGS                                          |
| 2    | 1   | 1011446               | ASSY., PISTON ROD, PROBE JACK (10A09000-292 HAS BEEN DISCONTINUED) |
| 3    | 1   | 10A09024-002          | CYLINDER                                                           |
| 4    | 1   | 10A09024-003          | END PLUG – PROBE JACK                                              |
| 5    | 1   | 10A09024-004          | FRONT PLUG – PROBE JACK                                            |
| 6    | 1   | 10A09261-008          | STOP – PROBE JACK                                                  |
| 7    | 2   | AN316-6R              | NUT                                                                |
| 8    | 1   | AN665-80R             | TERMINAL, FLY WIRE                                                 |
| 9    | 2   | MS20822-5-4D          | FITTING 90 DEGREE                                                  |
| 10   | 1   | MS28775-114           | “O” RING                                                           |
| 11   | 3   | MS28775-222           | “O” RING, HYDRAULIC                                                |
| 12   | 1   | MS28782-12            | BACKUP RING                                                        |
| 13   | 2   | MS28782-27            | BACKUP RING                                                        |
| 14*  | 1   | 1001721               | ASSY. SCOOP POSITION SWITCH (4 PIN)                                |
|      | 1   | KPTC6E8-4S            | CONNECTOR (4 PIN)                                                  |
|      | 1   | 1002152               | ASSY. SCOOP POSITION SWITCH (6 PIN)                                |
|      | 1   | KPSE06E10-6S          | CONNECTOR (6 PIN) (6 PIN STARTS AT WIPAIRE S/N 10053)              |
|      | 2   | BIM-PST-AN6X<br>KLP80 | POSITION SWITCH S/N 10001-10204                                    |
|      | 2   | M6965106              | CLAMP                                                              |
|      | 2   | S4685792              | SENSOR, INDUCTIVE MAGNET, NON 10-30 VDC S/N 10205/10206            |
|      | 1   | U0163-11              | SPLITTER, 2 BRANCH, 4 WIRE, MALE (S/N 10205A/10206A)               |

\*ITEMS NOT SHOWN

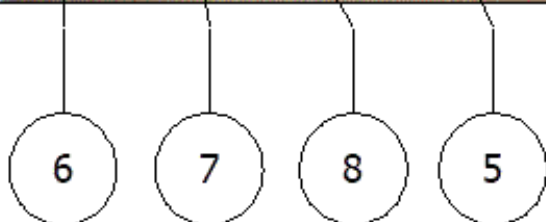
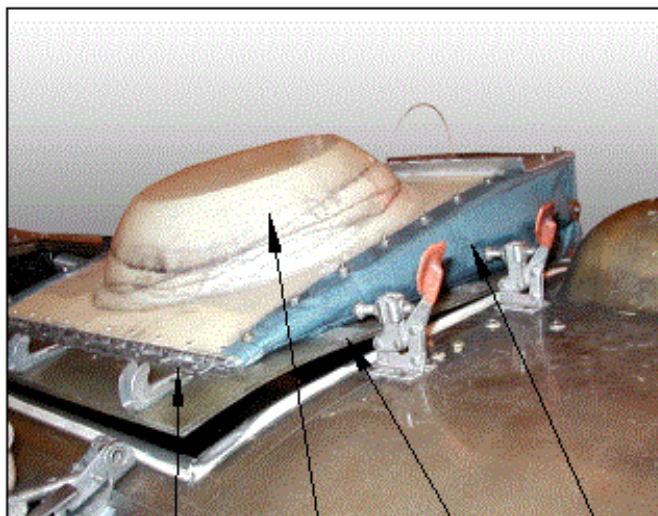
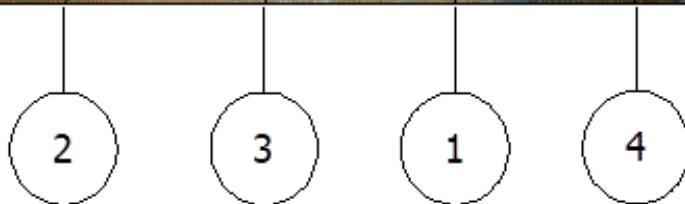
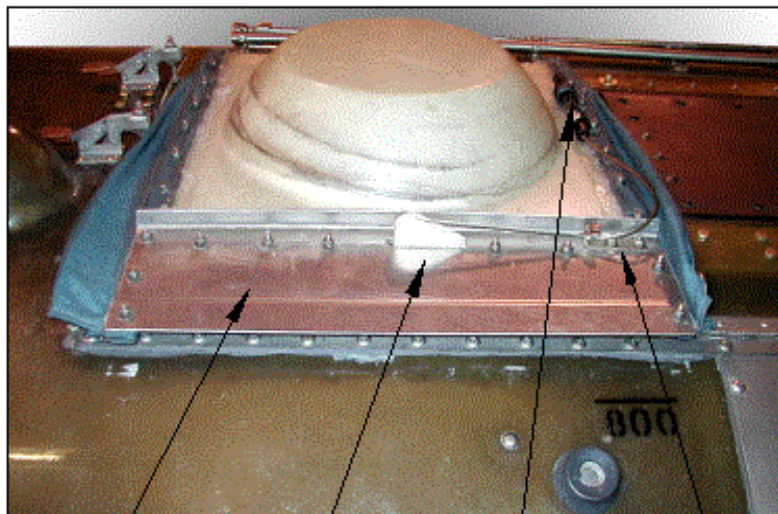
## SCOOP TUNNEL



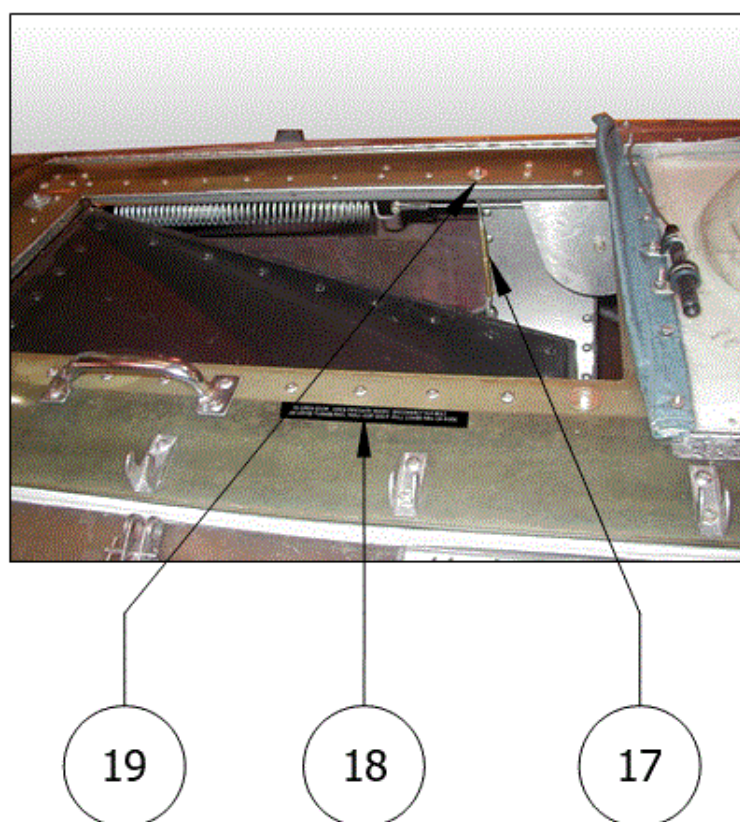
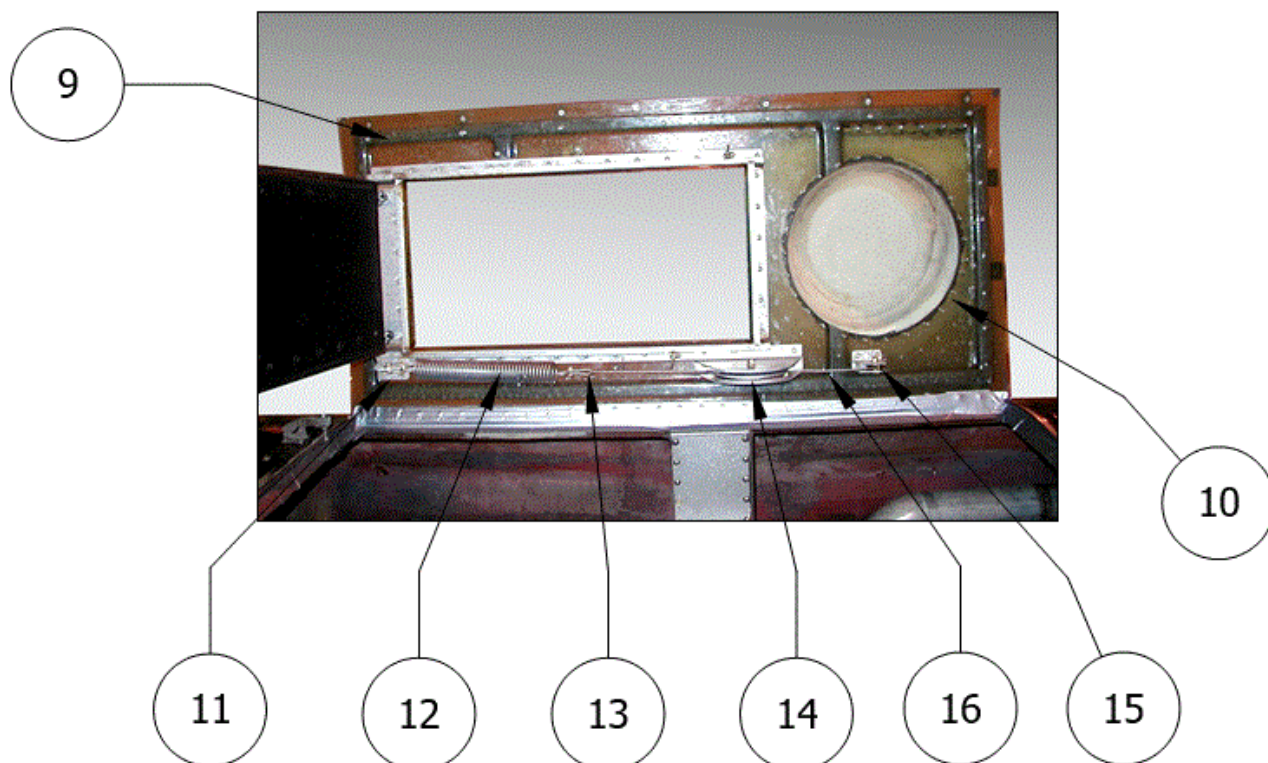
PARTS MANUAL  
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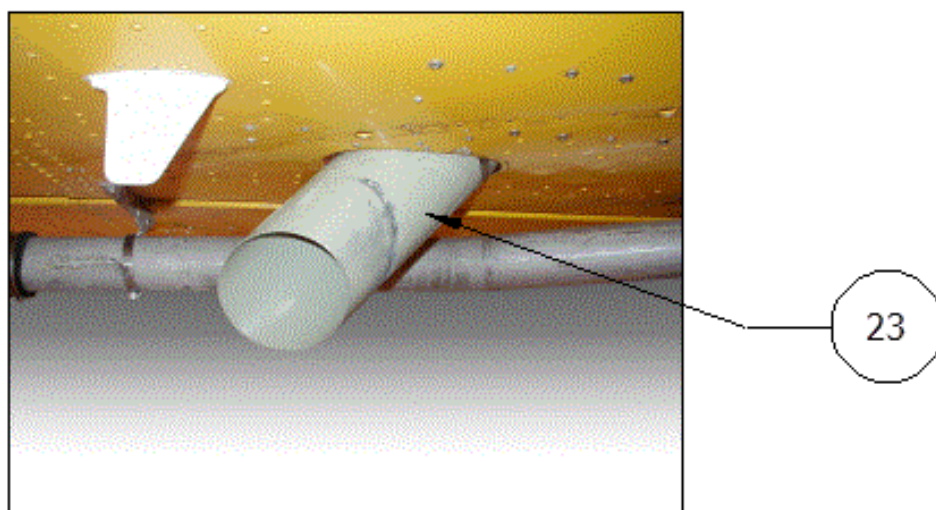
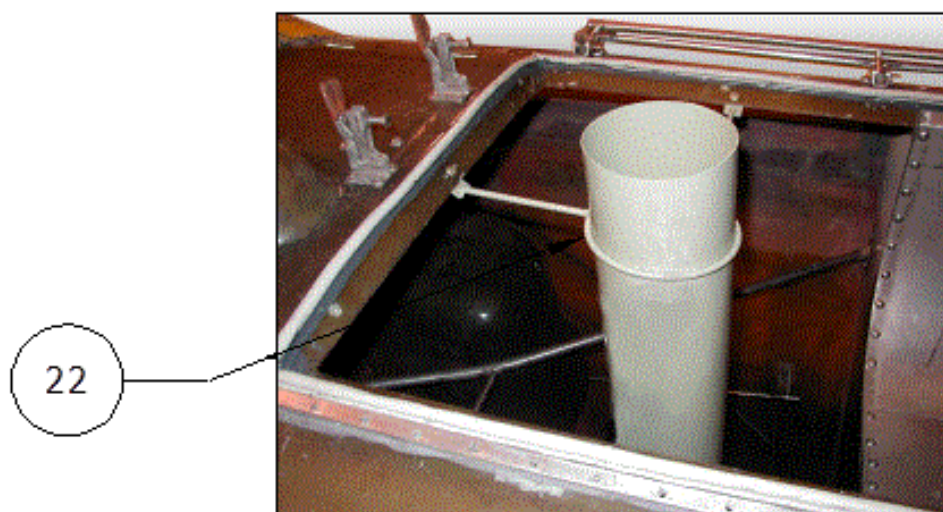
| ITEM | QTY | PART NO.     | PART DESCRIPTION                         |
|------|-----|--------------|------------------------------------------|
| 1    | 2   | 10A01001-066 | PLATE - TOP COVER - TUNNEL               |
| 2    | 2   | 10A01155-053 | CONNECTOR - PROBE TUNNEL COVER           |
| 3    | 2   | 10A01198-022 | FITTING - SCOOP TUNNEL BOTTOM BOLT SEAL  |
| 4    | 1   | 10A01205-010 | SPACER-SCOOP TUNNEL                      |
| 5a   | 1   | 10A01001-065 | PLATE - SIDE COVER - TUNNEL L/H          |
| 5b   | 1   | 10A01001-064 | PLATE - SIDE COVER - TUNNEL R/H          |
| 6a   | 1   | 10A01198-021 | SUPPORT, BOTTOM SKIN (LEFT)              |
| 6b   | 1   | 10A01198-020 | SUPPORT, BOTTOM SKIN (RIGHT)             |
| 7    | 2   | 10A01359-235 | ANGLE - COVER - SCOOP TUNNEL             |
| 8    | 2   | 10A01359-237 | ANGLE - SHORT - COVER - SCOOP TUNNEL     |
| 9a   | 1   | 10A01427-028 | SCOOP TUNNEL AFT. ANGLE (RIGHT)          |
| 9b   | 1   | 10A01427-029 | SCOOP TUNNEL AFT. ANGLE (LEFT)           |
| 10a  | 1   | 10A01427-030 | ANGLE, SCOOP TUNNEL FWD ON L/H SIDE      |
| 10b  | 1   | 10A01427-031 | ANGLE, SCOOP TUNNEL FWD ON R/H SIDE      |
| 11a  | 1   | 10A01427-031 | ANGLE, SCOOP TUNNEL MID ON L/H SIDE      |
| 11b  | 1   | 10A01427-030 | ANGLE, SCOOP TUNNEL MID ON R/H SIDE      |
| 12   | 2   | 1007498      | MOUNT, BILGE, PUMP                       |
| 13   | 2   | 1009722      | STRIP, NUTPLATE, 10000                   |
| 14   | 2   | 1009723      | STRIP, NUTPLATE, 10000                   |
| 15   | A/R | AN3-5A       | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL |
| 16   | 1   | 10A01001-236 | PLATE - AFT COVER - TUNNEL               |
| 17   | 1   | 10A01196-005 | AFT. MAIN KEEL SUPPORT                   |
| 18   | 1   | 10A01156-186 | SPLICE PIVOT                             |

## HOPPER VENT SYSTEM







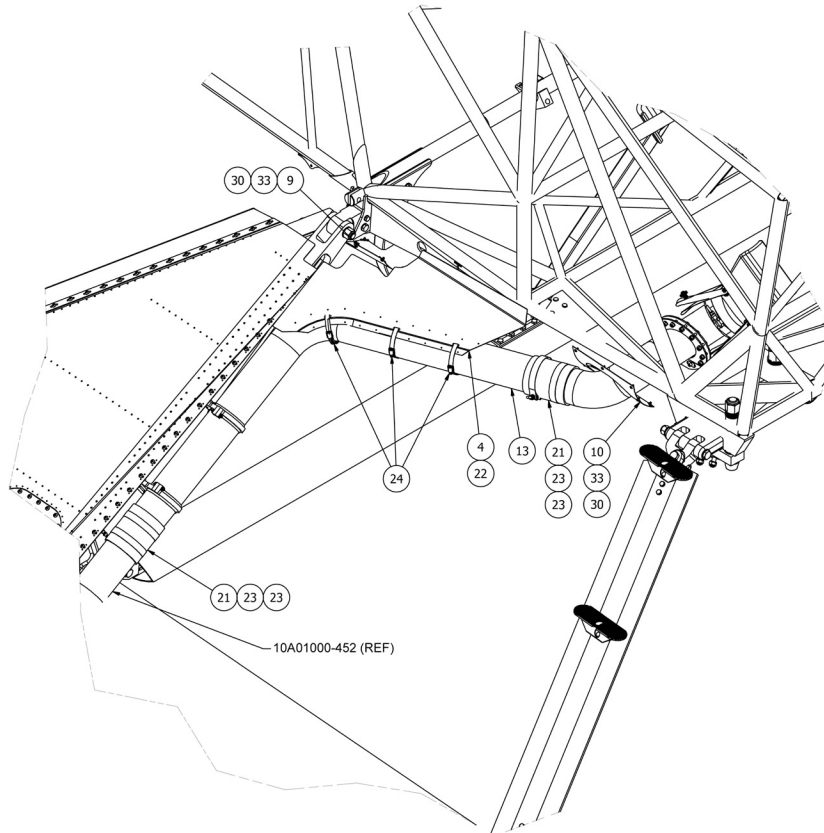




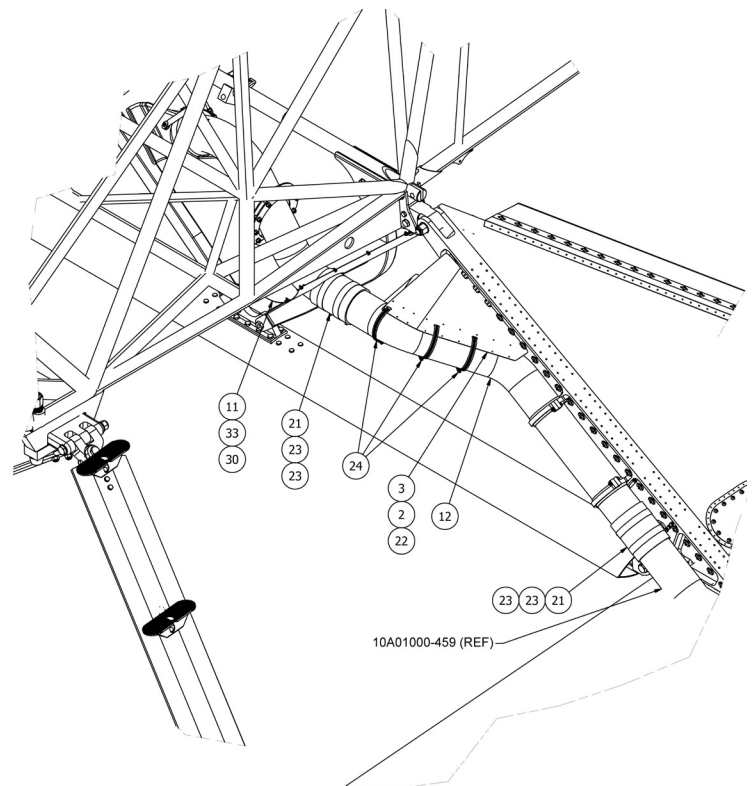
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                        |
|------|-----|---------------|---------------------------------------------------------|
| 1    | 1   | 21A08274-007  | HANDLE                                                  |
|      | 2   | MS21919WDG9   | CLAMP, DIA 9/16", ALUMINUM BAND, CHLOROPRENE CUSHION    |
| 2    | 1   | 10A12163-121  | BRACKET REINFORCEMENT                                   |
| 3    | 1   | 10A12652-003  | GUIDE, VENT DOOR CABLE                                  |
|      | 2   | MS24693S48    | SCREW, COUNTERSUNK, 8-32 UNC, 0.375 LG                  |
| 4    | 1   | 10A12487-009  | RETAINER CLIP                                           |
| 5    | 2   | 10A12695-001  | WATER DEFLECTOR - OVERFILL VENT                         |
|      | 4   | 10A12150-200  | REINFORCEMENT STRIPS                                    |
|      | 40  | AN507-1032    | SCREW                                                   |
| 6    | 1   | 10A12745-002  | HINGE - DOME VENT                                       |
| 7    | 1   | 10A12599-013  | VENT DOME                                               |
| 8    | 4   | 10A12536-015  | PAD, CLAMP                                              |
| 9    | 1   | 80533-1       | HOPPER LID                                              |
|      | 2   | 80532-5       | GASKET - SPONGE                                         |
| 10   | 1   | R581559       | SEAL, RUBBER, W/ RUBBER SPIKES, 1 1/2" SPACING, 3/8"DIA |
| 11   | 1   | 1011016       | ANGLE, SPRING ATTACH                                    |
|      | 1   | MS20115-5     | SHACKLE, 5/32                                           |
|      | 3   | AN3-6A        | BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL               |
|      | 3   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                      |
|      | 3   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                 |
| 12   | 1   | 81153S        | SPRING, CENTERING, 1-1/2" DIA, 6" SPRING LENGTH         |
| 13   | 1   | 10A12000-064  | CABLE ASSEMBLY                                          |
| 14   | 1   | 10A12000-060  | PULLEY ASSEMBLY                                         |
|      | 4   | AN3-7A        | BOLT, 10-32, 0.5 GRIP, UNDRILLED STEEL                  |
|      | 4   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                      |
|      | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                 |
| 15   | 1   | 10A12000-061  | PULLEY BRACKET ASSEMBLY                                 |
|      | 4   | AN3-7A        | BOLT, 10-32, 0.5 GRIP, UNDRILLED STEEL                  |
|      | 4   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                      |
|      | 4   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF                 |
| 16   | 1   | 10A12000-065  | CABLE ASSEMBLY                                          |
| 17   | 2   | 10A12523-007  | SPACER, HOPPER DOOR RETAIN                              |
|      | 2   | MS21252-5RL   | TURNBUCKLE FORK, RIGHT LONG, 1/4-28 THREAD, 5/32 CABLE  |
|      | 2   | MS21251B5L    | TURNBUCKLE, BARREL, 1/4-28 THREAD, 4" LENGTH            |
|      | 2   | MS21252-5LL   | TURNBUCKLE FORK, LEFT LONG, 1/4-28 THREAD, 5/32 CABLE   |
|      | 2   | AN44-6A       | EYEBOLT                                                 |
|      | 2   | NAS1149F0563P | WASHER, 0.328 ID, 0.063 THK, STEEL                      |
|      | 2   | MS210N44N5    | NUT                                                     |
|      | 4   | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL             |
|      | 4   | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL                      |
|      | 4   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF                |

| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| 18   | 1   | 7A3-4410      | PLACARD, FIRE GATE                           |
| 19   | 2   | AN44-30A      | EYEBOLT                                      |
|      | 2   | AN970-5       | WASHER, LARGE AREA FLAT, SIZE 5/16           |
| 20   | 1   | 10A12666-002  | FILL VENT TUBE                               |
|      | 1   | 10A12696-001  | HOSE COUPLING                                |
|      | 1   | 5312K18       | POWER CLAMP                                  |
| 21   | 1   | 10A12000-059  | FLANGE ASSY – TO TANK                        |
|      | 1   | 10A12532-008  | FLANGE FILLER VENT AFT                       |
|      | 10  | AN4-10A       | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL  |
|      | 10  | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL           |
|      | 10  | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF     |
| 22   | 1   | 10A12000-069  | VENT TUBE RETAINER ASSEMBLY                  |
|      | 2   | AN525-10R10   | SCREW, 10-32 THREAD, 7/32" GRIP, 5/8" LENGTH |
|      | 2   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL           |
|      | 2   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF      |
| 23   | 1   | 10A12666-001  | VENT TUBE – TAIL EXHAUST                     |
|      | 1   | 10A12696-001  | HOSE COUPLING 5"                             |
|      | 1   | 5312K18       | HOSE CLAMP, 5-1/2 DIA                        |

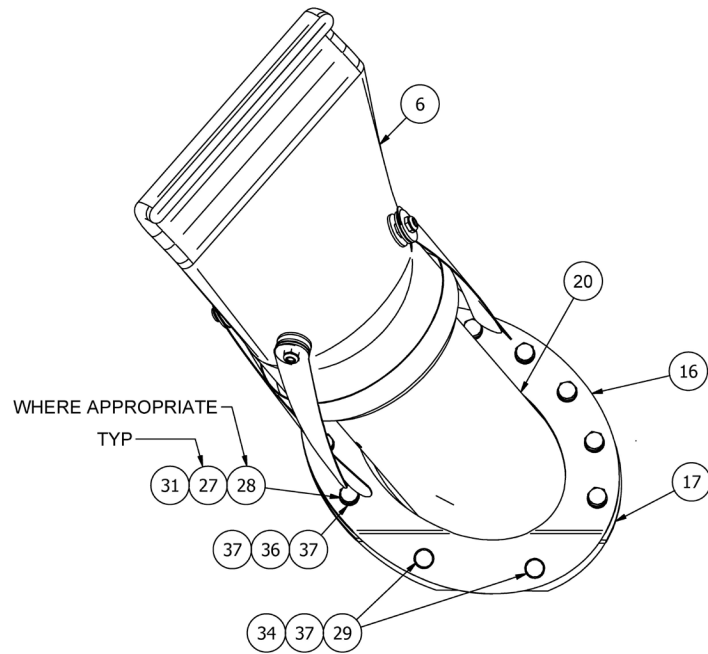
## FILL SYSTEM FUSELAGE



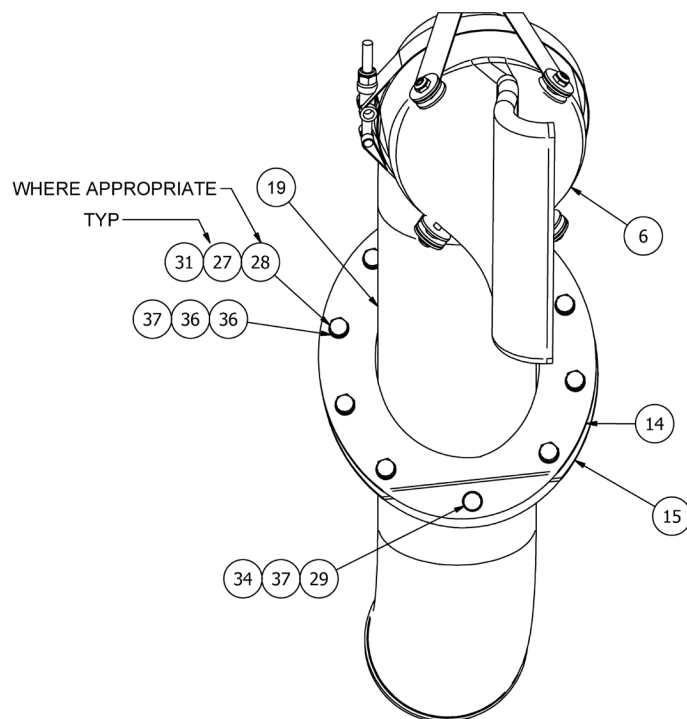
RH SIDE, FORWARD PYLON SKIN REMOVED



LH SIDE, FORWARD PYLON SKIN REMOVED

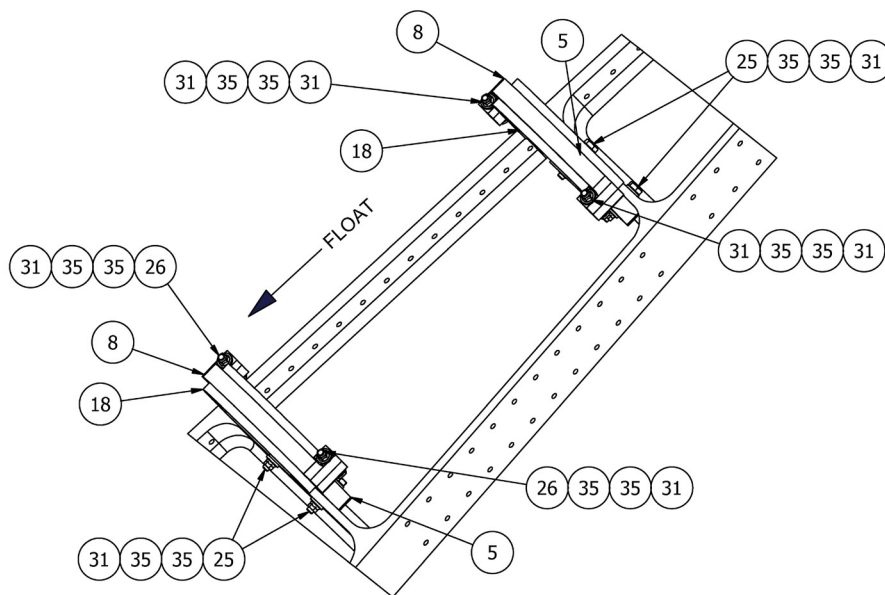


HOPPER, RIGHT SIDE, FWD, LOOKING OUT

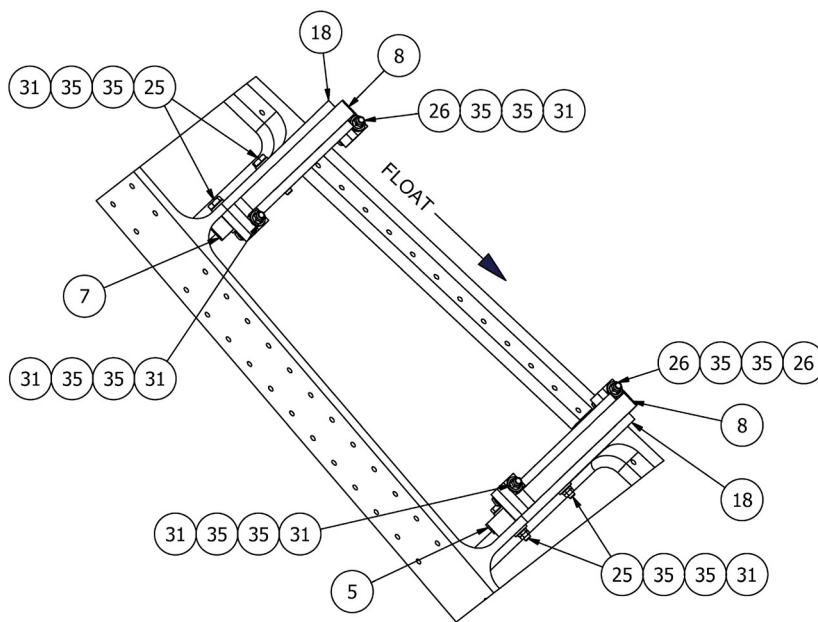


HOPPER, LEFT SIDE, AFT, LOOKING OUT

PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION



PYLON, RIGHT, FWD STRUT, 10A12424-002 TUBE REMOVED



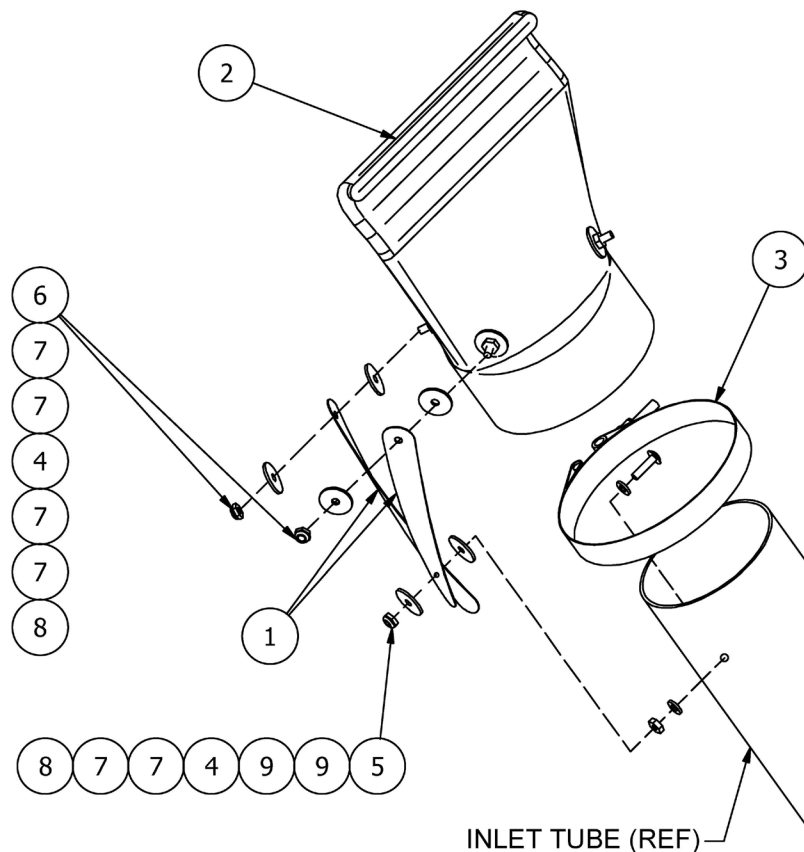
PYLON, LEFT, FWD STRUT, 10A12424-001 TUBE REMOVED

PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY   | PART NO.      | PART DESCRIPTION                            |
|------|-------|---------------|---------------------------------------------|
| 1    | 2     | 1001020       | EPOXY ADHESIVE PACKET                       |
| 2    | 1     | 1003495       | FAIRING - LEFT SIDE BOTTOM                  |
| 3    | 1     | 1003496       | FAIRING LEFT SIDE TOP                       |
| 4    | 1     | 1003532       | ASS'Y, AT802 - RH FAIRING                   |
| 5    | 3     | 1009117       | MOUNT - SCOOP TUBE - LOWER PYLON            |
| 6    | 2     | 1012077       | ASSEMBLY, VALVE WITH STRAP HARDWARE         |
| 7    | 1     | 10A02201-004  | MOUNT - SCOOP TUBE - PYLON                  |
| 8    | 4     | 10A02201-005  | MOUNT - SCOPE TUBE - PYLON                  |
| 9    | 1     | 10A12158-275  | COVER, MAIN ATTACH FITTING, RT, AT802       |
| 10   | 1     | 10A12158-276  | COVER, FILL TUBE RH                         |
| 11   | 1     | 10A12158-277  | COVER, MAIN ATTACH FITTING, LT, AT802       |
| 12   | 1     | 10A12424-001  | TUBE, FLOAT TO TANK, LH                     |
| 13   | 1     | 10A12424-002  | TUBE, STRUT TO TANK, RH                     |
| 14   | 1     | 10A12532-003  | FLANGE - INLET TUBE, LH                     |
| 15   | 1     | 10A12532-004  | FLANGE - OUTER, INLET TUBE, LH SIDE         |
| 16   | 1     | 10A12532-005  | FLANGE - INNER - LH SIDE - INLET TUBE       |
| 17   | 1     | 10A12532-006  | FLANGE - OUTER, RH, INLET TUBE              |
| 18   | 4     | 10A12566-010  | GASKET, FILL TUBE                           |
| 19   | 1     | 10A12594-001  | TUBE, INLET, LH                             |
| 20   | 1     | 10A12594-002  | TUBE, INLET, RH                             |
| 21   | 4     | 10A12697-001  | HOSE COUPLING - 4"                          |
| 22   | 10 FT | 52-4652-W     | TRIM, SNAP ON                               |
| 23   | 8     | 5312K16       | CLAMP                                       |
| 24   | 6     | 5764          | CLAMP, HOSE                                 |
| 25   | 8     | AN3-11A       | BOLT, 10-32, 0.75 GRIP, UNDRILLED, STEEL    |
| 26   | 8     | AN3-12A       | BOLT, 10-32, 0.875 GRIP, UNDRILLED, STEEL   |
| 27   | 4     | AN4-10A       | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
| 28   | 16    | AN4-11A       | BOLT, 1/4-28, 0.6875 GRIP, UNDRILLED, STEEL |
| 29   | 3     | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
| 30   | 28    | AN526C632R6   | SCREW, MACHINE, TRUSS HEAD                  |
| 31   | 16    | MS21042L3     | NUT, SELF LOCKING, 450 DEGREE, 10-32 UNF    |
| 32   | 19    | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
| 33   | 28    | MS21047L06    | NUT PLATE, FIXED, STEEL, PLAIN, 6-32        |
| 34   | 3     | MS21059L4     | NUT PLATE                                   |
| 35   | 32    | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
| 36   | 22    | NAS1149F0432P | WASHER, 0.265 ID, 0.032 THK, STEEL          |
| 37   | 44    | NAS1149F0463P | WASHER, 0.265 ID, 0.063 THK, STEEL          |
| 38   | 6 FT  | PM-T1         | CHAFE TAPE                                  |

## FILL VALVE ASSEMBLY



ONE SIDE SHOWN FOR CLARITY  
(4 STRAPS PER TUBE,  
8 STRAPS TOTAL PER AIRCRAFT)

| ITEM | QTY | PART NO.      | PART DESCRIPTION                             |
|------|-----|---------------|----------------------------------------------|
| -    | 1   | 1012077       | ASSEMBLY, VALVE WITH STRAP HARDWARE          |
| 1    | 4   | 1011964       | STRAP, VALVE, SST                            |
| 2    | 1   | 1012076       | VALVE, 4" I.D., CURLED                       |
| 3    | 1   | 5312K17       | CLAMP                                        |
| 4    | 6   | AN315-C3R     | NUT                                          |
| 5    | 2   | AN526C1032R12 | SCREW, MACHINE, TRUSS HEAD                   |
| 6    | 4   | AN526C1032R18 | SCREW, MACHINE, TRUSS HEAD                   |
| 7    | 20  | AN970C3       | WASHER                                       |
| 8    | 6   | MS21083C3     | NUT, LOCKING, LOW HEIGHT, 10-32 UNF, SS      |
| 9    | 4   | NAS1149C0363R | WASHER, 0.203 ID, 0.063 THK, STAINLESS STEEL |

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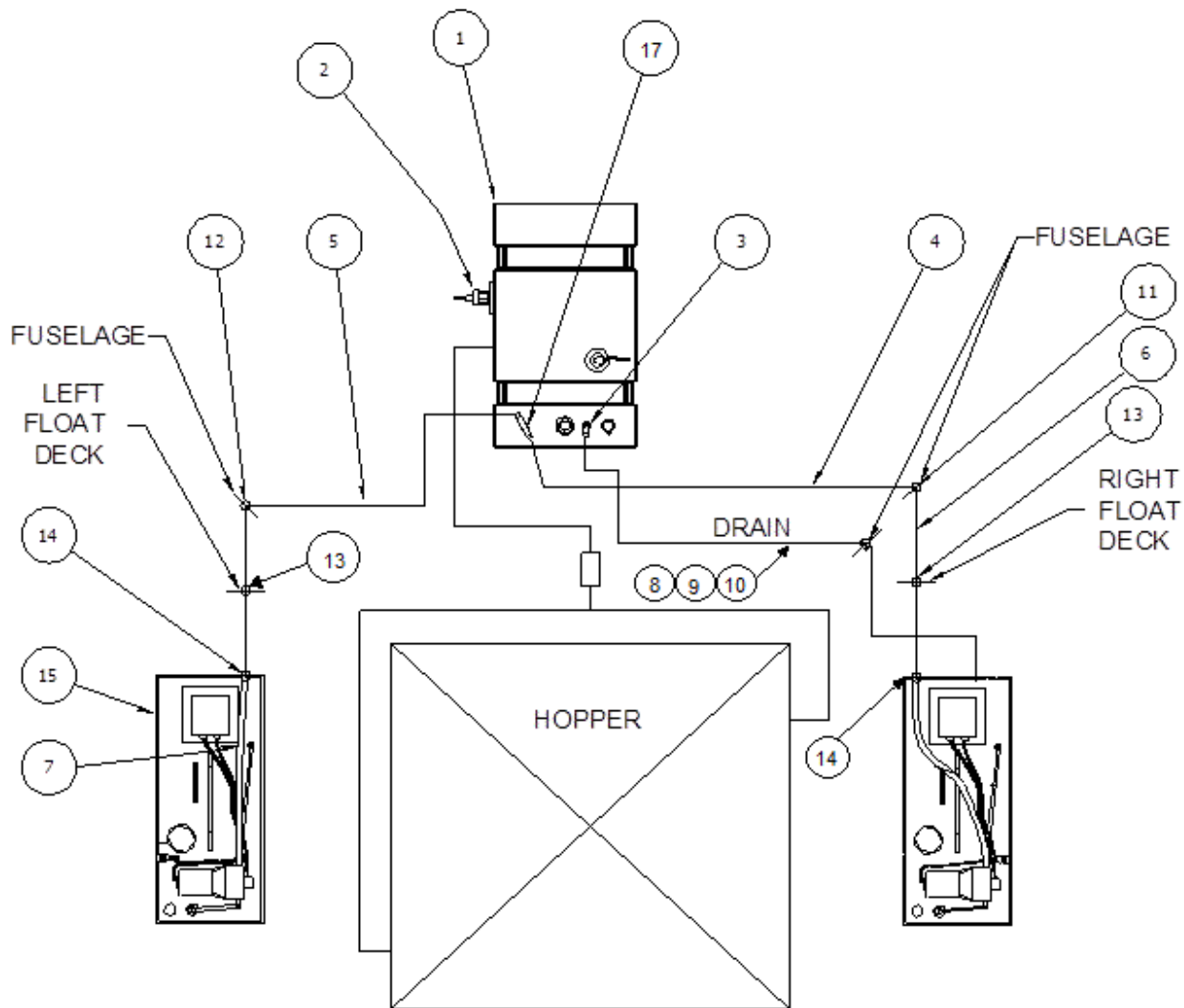


**SECTION 7**  
**FOAM SYSTEM**

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## FOAM SYSTEM



| ITEM | QTY   | PART NO.     | PART DESCRIPTION                                      |
|------|-------|--------------|-------------------------------------------------------|
| 1    | 1     | 1001906      | AIRCRAFT FOAM TANK MODIFIED                           |
| 2    | 1     | 10A12652-001 | ADAPTER, FOAM TANK                                    |
|      | 1     | MS28775-334  | O RING, DIA 2.6                                       |
|      | 8     | MS24693C278  | SCREW, CORROSION RESIST 10-32 THREAD, 1-1/4" LENGTH   |
|      | 8     | MS21044C3    | NUT, SELF LOCK, NYLON INSERT, CORROSION RESIST, 10-32 |
|      | 1     | 46235K25     | LEVEL INDICATOR, FLOAT SWITCH                         |
| 3    | 1     | 48725642     | TUBE, BARBED, ELBOW, 90 DEGREE 1/2 X 3/8              |
| 4    | 6.5'  | 60703        | TUBING, RIGHT SIDE TANK OUTLET                        |
| 5    | 8.5'  | 60703        | TUBING, LEFT SIDE TANK OUTLET                         |
| 6    | 10.8' | 60703        | TUBING, FUSELAGE TO FLOAT TANK                        |
| 7    | 3.17' | 60703        | TUBING, PUMP TO FLOAT BULKHEAD                        |

PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                          |
|------|-----|---------------|-------------------------------------------|
| 8    | 1   | 10A12417-003  | DRAIN TUBE, FOAM TANK (OPTION)            |
| 9    | 1   | 10A12163-128  | STAND OFF - FOAM BREATHER LOWER (OPTION)  |
|      | 1   | MS21919WDG8   | CLAMP                                     |
|      | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL |
|      | 1   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL        |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF   |
| 10   | 1   | 10A12163-129  | STAND OFF , FOAM BREATHER UPPER (OPTION)  |
|      | 1   | MS21919WDG8   | CLAMP                                     |
|      | 1   | AN3-4A        | BOLT, 10-32, 0.125 GRIP, UNDRILLED, STEEL |
|      | 1   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL        |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF   |
| 11   | 1   | 5372K373      | FITTING, ELBOW, BARBED, NYLON 1/2"        |
|      | 1   | MS35489-14    | GROMMET, RUBBER                           |
|      | 2   | 6203          | HOSE CLAMP                                |
| 12   | 1   | 5372K373      | FITTING, ELBOW, BARBED, NYLON 1/2"        |
|      | 1   | MS35489-14    | GROMMET, RUBBER                           |
|      | 2   | 6203          | HOSE CLAMP                                |
| 13   | 2   | MS35489-20    | GROMMET, RUBBER                           |
| 14   | 2   | 10A12277-003  | COUPLER FOAM TANK                         |
|      | 4   | 5372K124      | PIPE MALE ADAPTER, WHITE NYLON            |
| 15   | 1   | 1001798       | ASSEMBLY FOAM TANK                        |
|      | 1   | 0210211C      | FOAM TANK, 10000 FLOATS                   |
|      | 1   | RH2B-V-24DC   | RELAY, 2 POLE                             |
|      | 1   | SH2B-05       | SOCKET, RELAY, 2 POLE                     |
|      | 1   | 4405-343      | PUMP - 24 VOLT                            |
|      | 1   | 10-782-PP     | SWITCH, FLOAT                             |
|      | 1   | 10A01000-451  | FLOOR, BAGGAGE (NOT SHOWN)                |
| 17   | 1   | 48726202      | TUBE, BARBED, TEE FITTING 1/2             |

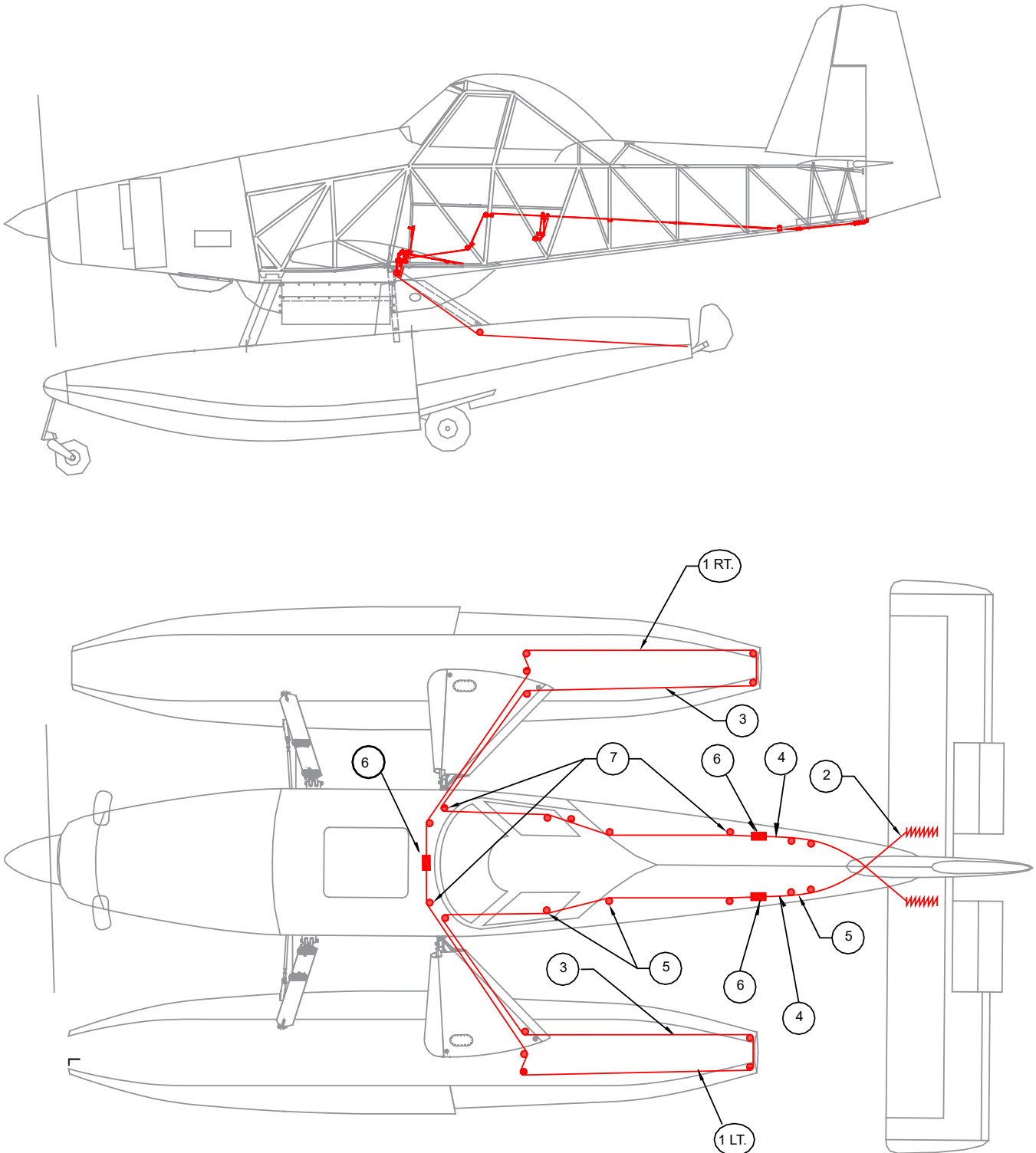
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## SECTION 8 CABLING

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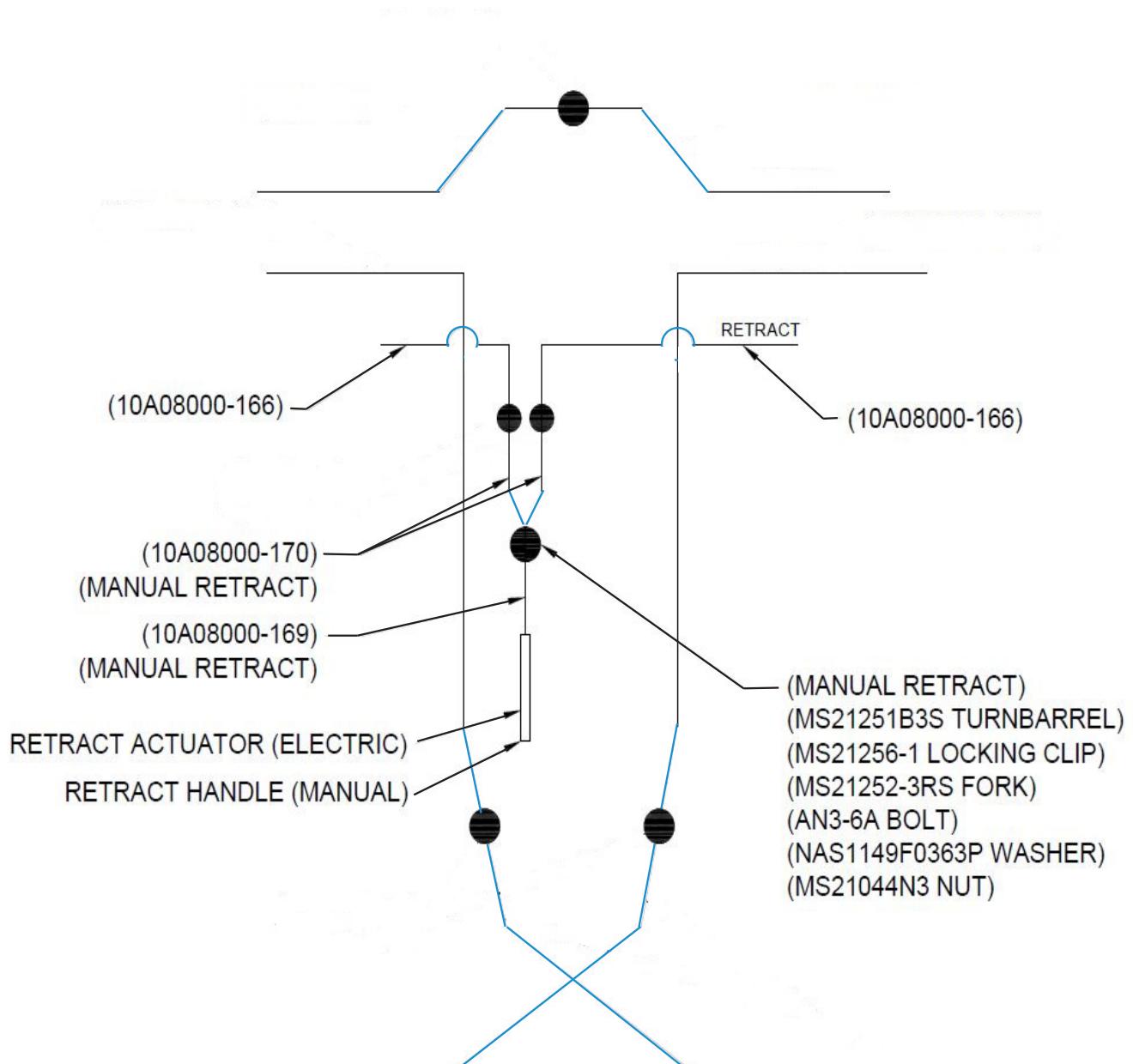
## WATER RUDDER STEERING, FUSELAGE



PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

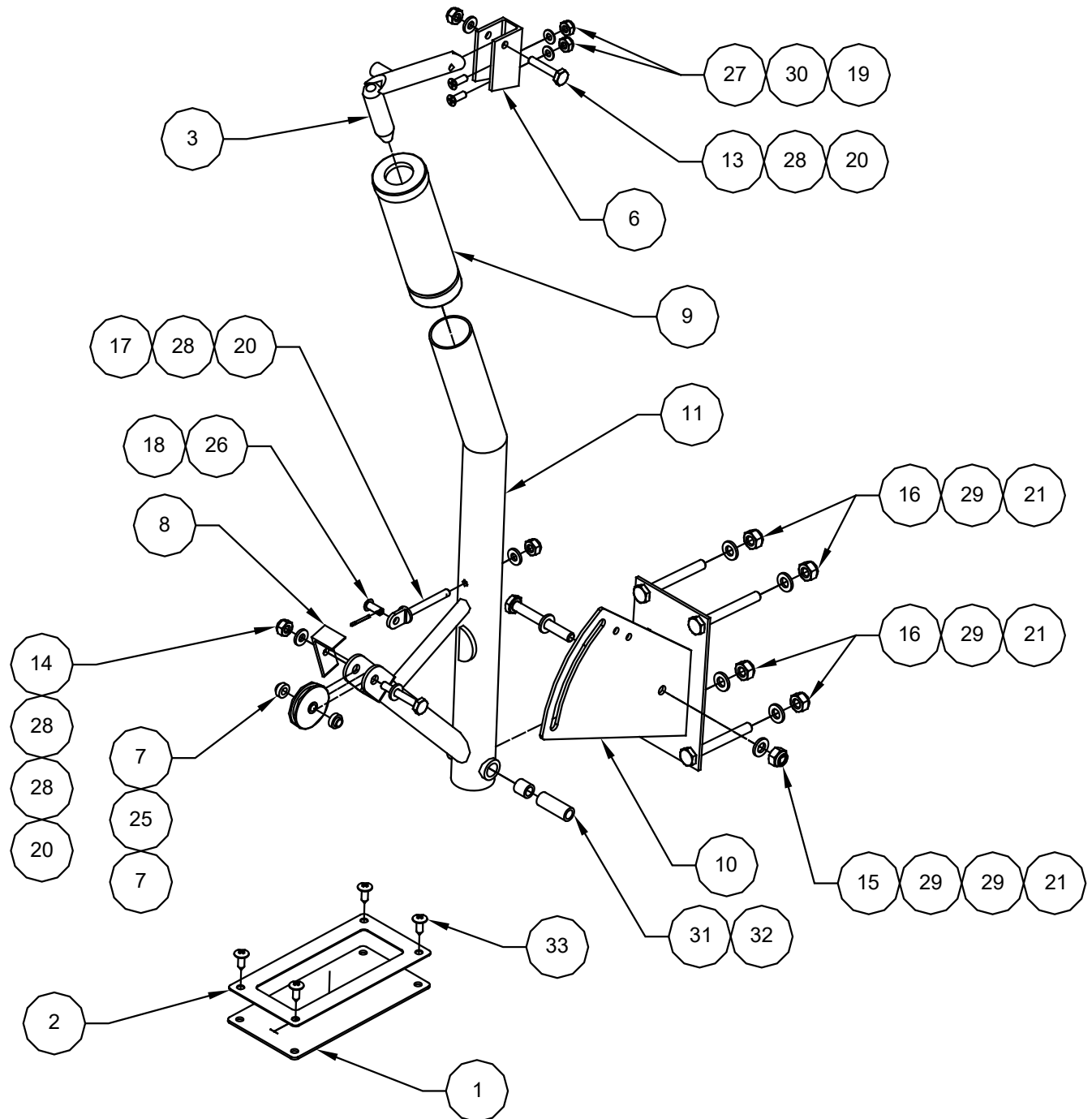
| ITEM  | QTY | PART NO.     | PART DESCRIPTION            |
|-------|-----|--------------|-----------------------------|
| 1 LT. | 1   | 1001458      | CABLE ASSEMBLY, BALANCE, LH |
| 1 RT. | 1   | 1001459      | CABLE ASSEMBLY, BALANCE, RH |
| 2     | 2   | 0760629-1    | SPRING                      |
|       | 4   | 8A08492-001  | DRAW BARS                   |
| 3     | 2   | 10A08000-164 | CABLE ASSEMBLY, STEERING    |
| 4     | 2   | 10A08000-168 | CABLE ASSEMBLY, STEERING    |
| 5     | A/R | MS20219-2    | PULLEY, LARGE               |
| 6     | 3   | MS21251B3S   | TURNBUCKLE, BARREL          |
| 7     | A/R | MS24566-1B   | PULLEY, SMALL               |

## WATER RUDDER RETRACT, FUSELAGE





## MANUAL RETRACT HANDLE AT-802A

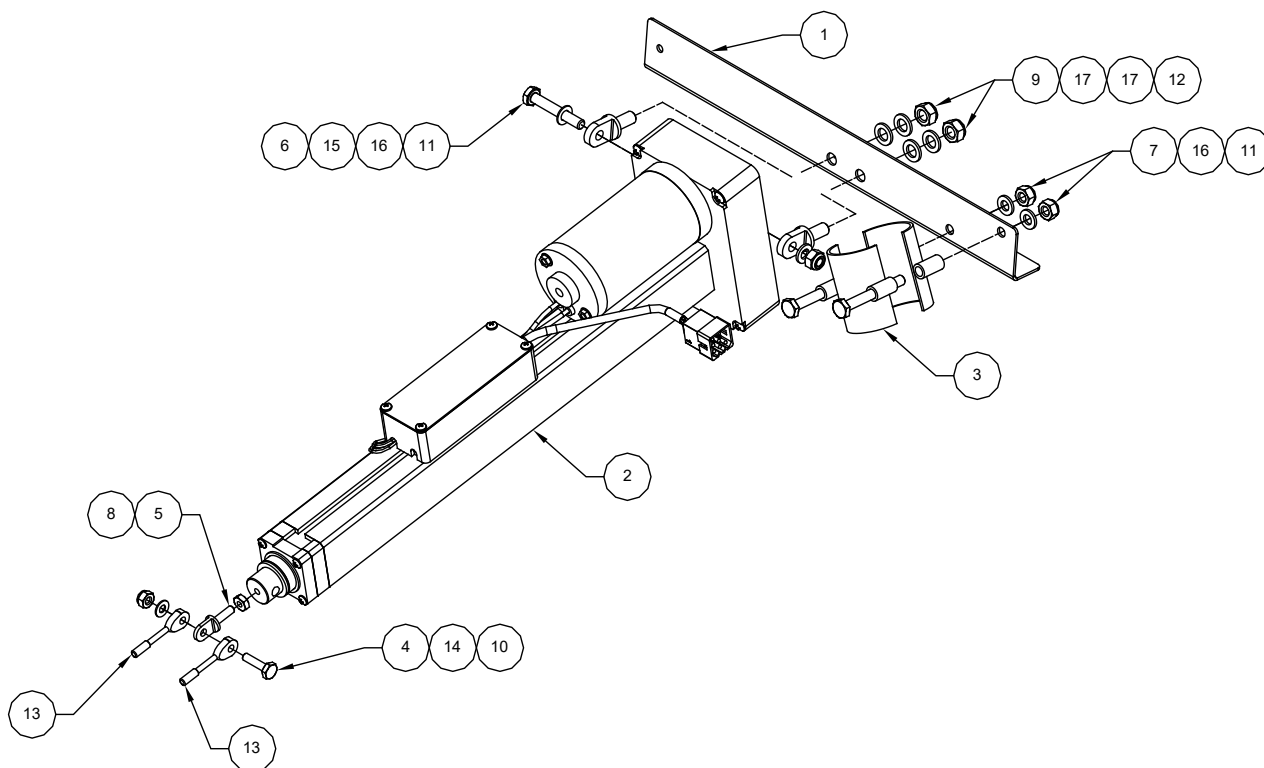


PARTS MANUAL

10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

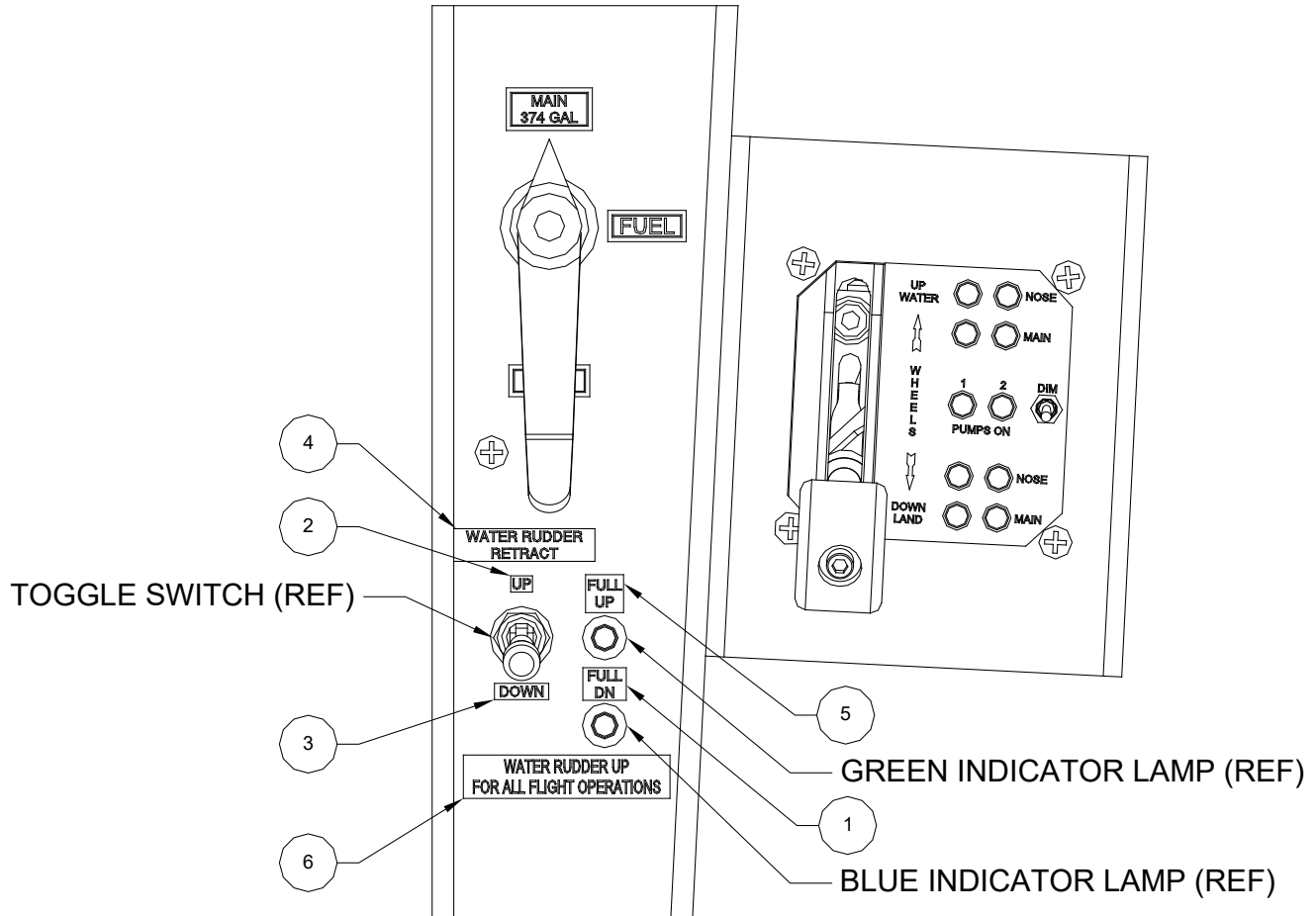
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                               |
|------|-----|---------------|----------------------------------------------------------------|
| -    | 1   | 1001918       | KIT-RETRACT HANDLE INSTALL                                     |
| 1    | 1   | 1001911       | GASKET, RETRACT CABLE, FLOOR                                   |
| 2    | 1   | 1001913       | RETAINER, GASKET, RETRACT CABLE, FLOOR                         |
| 3    | 1   | 10A08000-167  | CATCH, WATER RUDDER RETRACT                                    |
| 4    | 2   | 10A08000-169  | CABLE, RETRACT                                                 |
| 5    | 1   | 10A08000-170  | CABLE, RETRACT                                                 |
| 6    | 1   | 10A08193-008  | BRACKET - CATCH - WATER RUDDER RETRACT                         |
| 7    | 2   | 10A08280-006  | SPACER, PULLEY BRACKET                                         |
| 8    | 1   | 10A08339-073  | CABLE STOP STEERING RETRACT                                    |
| 9    | 1   | 100B118020    | GRIP, DISPERSAL HANDLE 802                                     |
| 10   | 1   | 80069-5       | SUPPORT ASSEMBLY, 2 FINS                                       |
| 11   | 1   | 80073-9       | VALVE LEVER ASSEMBLY, YELLOW, 1" TUBE                          |
| 12   | 1   | AN3-6A        | BOLT SIZE 10-32, LENGTH +/- 1/64 - 25/32, GRIP LENGTH 3/8      |
| 13   | 1   | AN3-10A       | BOLT SIZE 10-32, LENGTH +/- 1/64 - 1-1/32, GRIP LENGTH 5/8     |
| 14   | 1   | AN3-12A       | BOLT, 10-32 THREAD, 7/8" GRIP, 1-9/32" LENGTH                  |
| 15   | 1   | AN4-20A       | BOLT SIZE 1/4-28, LENGTH +/- 1/64 - 2-1/32, GRIP LENGTH 1-9/16 |
| 16   | 4   | AN4-21A       | BOLT, 1/4-28 THREAD, 1-11/16" GRIP, 2-5/32" LENGTH             |
| 17   | 1   | AN42B14A      | BOLT EYE, 10-32 THREAD, 1-1/8" GRIP, 1-17/32" LENGTH           |
| 18   | 1   | MS20392-2C11  | PIN, CLEVIS, 3/16" DIA, 11/32" GRIP, ALLOY STEEL               |
| 19   | 2   | MS21044N08    | NUT, HEX-LOCKING NYLON INSERT STEEL CAD 2, 8-32                |
| 20   | 4   | MS21044N3     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 10-32               |
| 21   | 5   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28              |
| 22   | 1   | MS21251B3S    | TURNBUCKLE, BARREL, 10-32 THREAD, 2 1/4" LENGTH                |
| 23   | 1   | MS21252-3RS   | TURNBUCKLE FORK, 10-32 THREAD, 3/32 CABLE SIZE                 |
| 24   | 2   | MS21256-1     | CLIP LOCKING, 1.078" LENGTH, STAINLESS STEEL                   |
| 24   | 1   | MS24566-1B    | PULLEY, FOR CABLE SIZES 1/16, 5/64, 3/32                       |
| 26   | 1   | MS24665-132   | PIN, COTTER, 1/16" DIA, 1/2" LENGTH, CADMIUM PLATED            |
| 27   | 2   | MS24694S5     | SCREW, (100 DEG), 8-32 THREAD, 11/32" LENGTH, 3/32" GRIP       |
| 28   | 5   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL                             |
| 29   | 6   | NAS1149F0463P | WASHER, SCREW SIZE 1/4 OD.500 ID.265 THK.063                   |
| 30   | 2   | NAS1149FN832P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA #8                  |
| 31   | 1   | P26-3         | BEARING, 1/4" DIA, 3/8" LENGTH                                 |
| 32   | 1   | P26-8         | BUNTING BUSHING                                                |
| 33   | 4   | S1021A8-6     | SCREW, (8X3/8 TR PHIL A STL SMS)                               |

## WATER RUDDER ELECTRIC ACTUATOR AND MOUNTING ANGLE AT-802



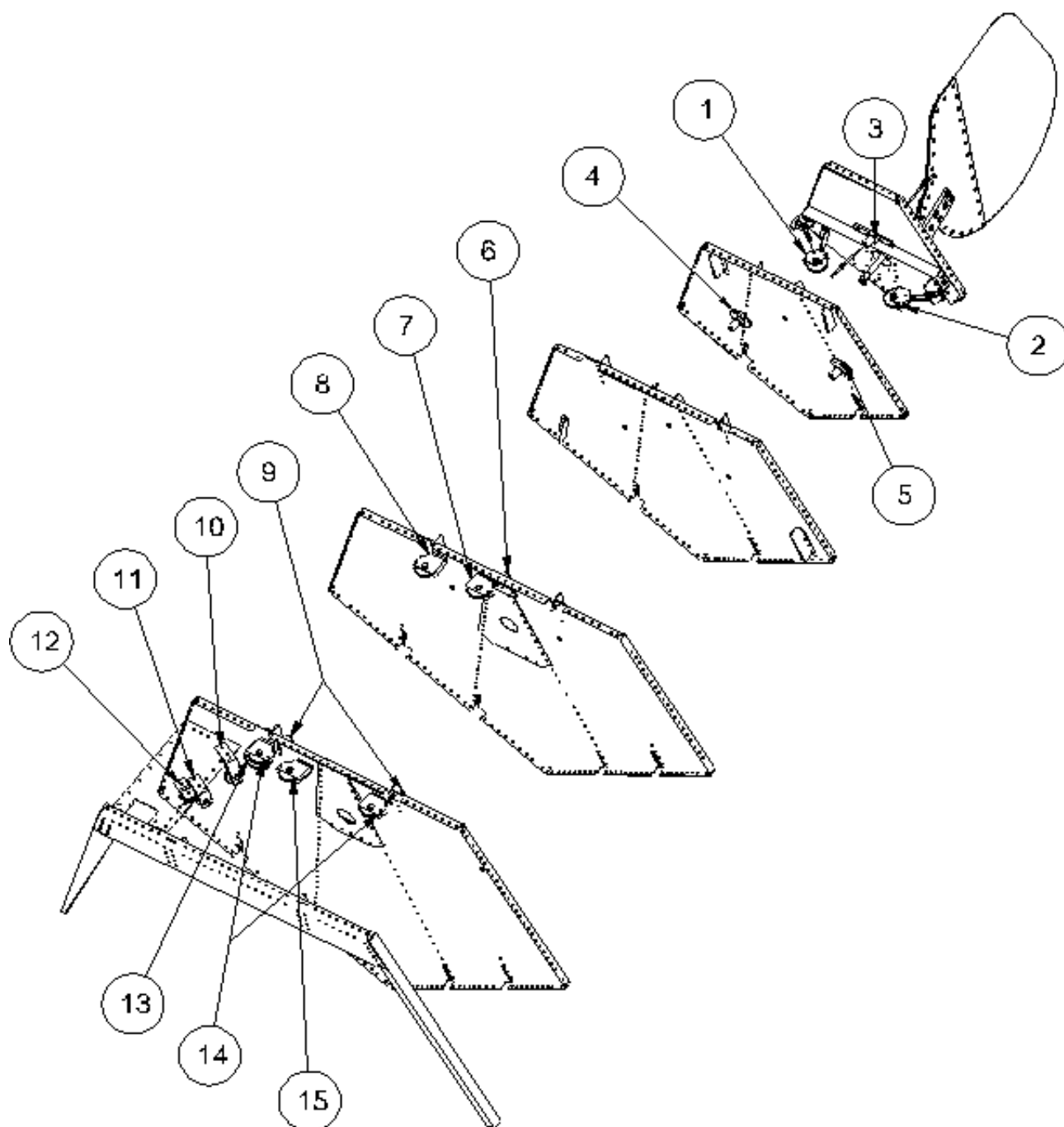
| ITEM | QTY | PART NO.      | PART DESCRIPTION                                               |
|------|-----|---------------|----------------------------------------------------------------|
| -    | 1   | 1001475       | KIT, RETRACT MOTOR                                             |
| 1    | 1   | 1001097       | ANGLE SUPPORT - RETRACT MOTOR                                  |
| 2    | 1   | 1001098       | ASSEMBLY, WATER RUDDER RETRACT MOTOR                           |
| 3    | 1   | 60928-1       | CLAMP ASSY                                                     |
| 4    | 1   | AN3-6A        | BOLT SIZE 10-32, LENGTH +/- 1/64 - 25/32, GRIP LENGTH 3/8      |
| 5    | 1   | AN315-3R      | NUT PLAIN, HEXAGON, 10-32 THREAD, RIGHT                        |
| 6    | 1   | AN4-15A       | BOLT, 1/4-28 THREAD, 1-3/16" GRIP, 1-21/32" LENGTH             |
| 7    | 2   | AN4-20A       | BOLT SIZE 1/4-28, LENGTH +/- 1/64 - 2-1/32, GRIP LENGTH 1-9/16 |
| 8    | 1   | AN42B5A       | BOLT EYE, 10-32 THREAD, SIZE, 1/4" GRIP, 21/32" LENGTH         |
| 9    | 2   | AN44-5A       | BOLT EYE, 5/16-24 THREAD, 3/16" GRIP, 23/32" LENGTH            |
| 10   | 1   | MS21044N3     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 10-32               |
| 11   | 3   | MS21044N4     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 1/4-28              |
| 12   | 2   | MS21044N5     | NUT, HEX LOCKING NYLON INSERT STEEL CAD 2, 5/16-24             |
| 13   | 2   | MS21254-3LS   | TURNBUCKLE PIN EYE                                             |
| 14   | 1   | NAS1149F0316P | WASHER, ID 13/64", OD 7/16"                                    |
| 15   | 1   | NAS1149F0432P | WASHER, CARBON STEEL, TO FIT DIA 1/4", LIGHT THICKNESS         |
| 16   | 3   | NAS1149F0463P | WASHER, SCREW SIZE 1/4 OD 500 ID 265 THK.063                   |
| 17   | 4   | NAS1149F0563P | WASHER, AIRFRAME, CARBON STEEL, TO FIT DIA 5/16"               |

## ELECTRIC RETRACT MOTOR TOGGLE SWITCH & INDICATOR LIGHTS



| ITEM | QTY | PART NO.   | PART DESCRIPTION              |
|------|-----|------------|-------------------------------|
| -    | 1   | 1001475    | KIT, RETRACT MOTOR            |
| 1    | 1   | 1001336    | PLACARD, FULL DN              |
| 2    | 1   | 1001337    | PLACARD, UP                   |
| 3    | 1   | 1001338    | PLACARD, DOWN                 |
| 4    | 1   | 1001622    | PLACARD, WATER RUDDER RETRACT |
| 5    | 1   | 1001623    | PLACARD, FULL UP              |
| 6    | 1   | 6B3-2243-2 | PLACARD, WATER RUDDER UP      |

## WATER RUDDER PULLEY BRACKETS - FLOAT HULL



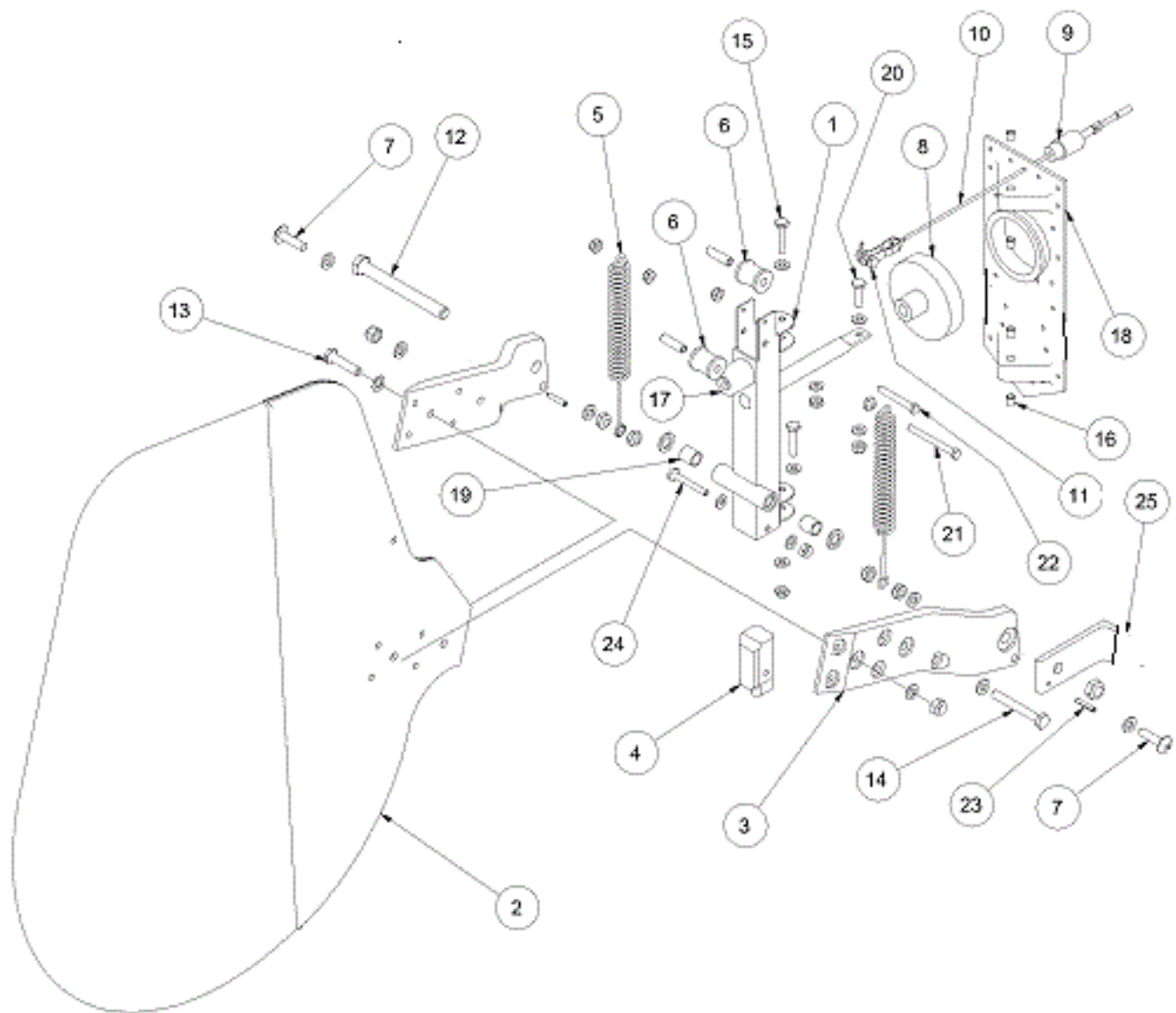
| ITEM | QTY | PART NO.      | PART DESCRIPTION                            |
|------|-----|---------------|---------------------------------------------|
| 1    | 1   | 10A08225-004  | PULLEY BRACKET, RIGHT                       |
|      | 1   | 8A08000-043   | CABLE ASSEMBLY, PULLEY                      |
|      | 1   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL    |
|      | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL          |
|      | 1   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS20219-2     | PULLEY                                      |
|      | 1   | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136   | COTTER PIN                                  |
| 2    | 1   | 10A08225-003  | PULLEY BRACKET, LEFT                        |
|      | 1   | 8A08000-043   | CABLE ASSEMBLY, PULLEY                      |
|      | 1   | AN3-5A        | BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL    |
|      | 1   | NAS1149F0332P | WASHER, 0.203 ID, 0.032 THK, STEEL          |
|      | 1   | NAS1149F0363P | WASHER, 0.203 ID, 0.063 THK, STEEL          |
|      | 1   | MS21044N3     | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS20219-2     | PULLEY                                      |
|      | 1   | AN4-7A        | BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136   | COTTER PIN                                  |
| 3    | 1   | 10A08033-004  | BRACKET, CABLE GUIDE, RETRACT               |
|      | 1   | 3A08605-001   | CABLE GUIDE                                 |
| 4    | 1   | 10A08251-005  | GUIDE, PULLEY BRACKET, RIGHT                |
|      | 1   | 3A08605-001   | CABLE GUIDE                                 |
| 5    | 1   | 10A08251-004  | GUIDE, PULLEY BRACKET, LEFT                 |
|      | 1   | 3A08605-001   | CABLE GUIDE                                 |
| 6    | 1   | 10A08033-004  | BRACKET, CABLE GUIDE, RETRACT               |
|      | 1   | 3A08605-001   | CABLE GUIDE                                 |
| 7    | 1   | 10A08205-009  | SHIM, PULLEY MOUNT                          |
|      | 1   | 3A01151-010   | PULLEY BRACKET                              |
|      | 1   | MS20219-2     | PULLEY                                      |
|      | 1   | AN4-10A       | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136   | COTTER PIN                                  |
| 8    | 1   | 10A01156-179  | REINFORCEMENT, PULLEY                       |
|      | 1   | 3A01151-010   | PULLEY BRACKET                              |
|      | 1   | MS20219-2     | PULLEY                                      |
|      | 1   | AN4-10A       | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4     | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136   | COTTER PIN                                  |
| 9    | 2   | 10A08183-007  | PULLEY BRACKET GUIDE                        |

## PARTS MANUAL

## 10000 AMPHIBIAN FLOATS ON AT-802 &amp; AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.     | PART DESCRIPTION                            |
|------|-----|--------------|---------------------------------------------|
|      | 2   | 3A08605-001  | CABLE GUIDE                                 |
| 10   | 1   | 10A08410-010 | PULLEY BRACKET, TALL, RIGHT                 |
|      | 1   | 10A08410-011 | PULLEY BRACKET, TALL, LEFT                  |
|      | 1   | MS20219-2    | PULLEY                                      |
|      | 1   | AN4-11A      | BOLT, 1/4-28, 0.6875 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4    | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136  | COTTER PIN                                  |
| 11   | 1   | 10A08410-008 | PULLEY BRACKET, MEDIUM, RIGHT               |
|      | 1   | 10A08410-009 | PULLEY BRACKET, MEDIUM, LEFT                |
|      | 1   | MS24566-1B   | PULLEY                                      |
|      | 1   | AN3-7A       | BOLT, 10-32, 0.5 GRIP, UNDRILLED STEEL      |
|      | 1   | MS21044N3    | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS24665-136  | COTTER PIN                                  |
| 12   | 2   | 10A08357-079 | PULLEY BRACKET, FLOAT DECK, SHORT           |
|      | 1   | MS24566-1B   | PULLEY                                      |
|      | 1   | AN3-7A       | BOLT, 10-32, 0.5 GRIP, UNDRILLED STEEL      |
|      | 1   | MS21044N3    | NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF     |
|      | 1   | MS24665-136  | COTTER PIN                                  |
| 13   | 1   | 3A01151-010  | PULLEY BRACKET                              |
|      | 1   | MS20219-2    | PULLEY                                      |
|      | 1   | AN4-10A      | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4    | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136  | COTTER PIN                                  |
| 14   | 2   | 10A08200-008 | SHIM, PULLEY MOUNT                          |
|      | 2   | 3A01151-010  | PULLEY BRACKET                              |
|      | 2   | MS20219-2    | PULLEY                                      |
|      | 2   | AN4-10A      | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
|      | 2   | MS21044N4    | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 2   | MS24665-136  | COTTER PIN                                  |
| 15   | 1   | 10A08357-079 | PULLEY BRACKET, FLOAT DECK, SHORT           |
|      | 1   | 10A08200-008 | SHIM, PULLEY MOUNT                          |
|      | 1   | 3A01151-010  | PULLEY BRACKET                              |
|      | 1   | MS20219-2    | PULLEY                                      |
|      | 1   | AN4-10A      | BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL |
|      | 1   | MS21044N4    | NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF    |
|      | 1   | MS24665-136  | COTTER PIN                                  |

## WATER RUDDER





PARTS MANUAL  
10000 AMPHIBIAN FLOATS ON AT-802 & AT-802A - FIRE BOSS CONVERSION

| ITEM | QTY | PART NO.      | PART DESCRIPTION                 |
|------|-----|---------------|----------------------------------|
| 1    | 1   | 8A08000-098   | ASSY. - WATER RUDDER POST        |
| 2    | 1   | 8A08000-023   | ASSY. - WATER RUDDER BLADE       |
| 3    | 1   | 8A08044-002   | ARM - WATER RUDDER CONTROL - RT. |
|      | 1   | 8A08044-001   | ARM - WATER RUDDER CONTROL - LT. |
| 4    | 1   | 8A08183-006   | STOP - WATER RUDDER - DOWN       |
| 5    | 2   | 3A08525-001   | SPRING                           |
| 6    | 2   | 3A08606-001   | ROLLER                           |
|      | 2   | 3A08502-001   | BUSHING - ROLLER                 |
| 7    | 2   | MS35207-283   | SCREW - SPRING ATTACH            |
|      | A/R | NAS1149F0463P | WASHER                           |
|      | 4   | NAS679A4W     | NUT                              |
| 8    | 1   | 3A08650-001   | RUBBER BOOT                      |
| 9    | 1   | 3A08605-001   | CABLE GUIDE                      |
| 10   | 1   | 10A08000-166  | 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                             |
|      | A/R | NAS1149D0416J | WASHER                           |
|      | 2   | MS21044N4     | NUT                              |
|      | 2   | AN3-13A       | BOLT                             |
|      | A/R | NAS1149D0363J | WASHER                           |
|      | 2   | MS21044N3     | NUT                              |
|      | 2   | AN3-10A       | BOLT                             |
|      | A/R | NAS1149D0363J | WASHER                           |
|      | 2   | MS21044N3     | NUT                              |
| 14   | 1   | AN4-20A       | BOLT                             |
|      | A/R | NAS1149D0463J | WASHER                           |
|      | 1   | MS21044N4     | NUT                              |
| 15   | 2   | AN3C10A       | BOLT                             |
|      | 4   | NAS1149D0363J | WASHER                           |
|      | 2   | NAS679A3W     | NUT                              |
| 16   | 4   | 03DU04        | BEARING                          |
| 17   | 1   | 10A08602-011  | UP STOP - WATER RUDDER           |
|      | 1   | AN526-1032R16 | SCREW                            |
|      | 1   | MS21044N3     | NUT                              |
| 18   | 1   | 3A01437-001   | CASTING - WATER RUDDER           |
| 19   | 4   | 06DU08        | BEARING (TEFLON STEEL)           |

| ITEM | QTY | PART NO.        | PART DESCRIPTION        |
|------|-----|-----------------|-------------------------|
| 20   | 1   | AN3-6A          | BOLT                    |
|      | 2   | NAS1149D0363J   | WASHER                  |
|      | 1   | MS21044N3       | NUT                     |
| 21   | 1   | 1032 X 2INCH SS | BOLT (STAINLESS STEEL)  |
|      | 3   | NAS679A3W       | NUT                     |
| 22   | 1   | 1032 X 2INCH SS | BOLT (STAINLESS STEEL)  |
|      | 1   | NAS679A3W       | NUT                     |
| 23   | 2   | NAS561P4-12     | ROLL PIN                |
| 24   | 1   | AN3-13A         | BOLT                    |
|      | 2   | NAS1149D0363J   | WASHER                  |
|      | 1   | MS21044N3       | NUT                     |
| 25   | 2   | 10A08426-012    | STOP - WATER RUDDER RT. |

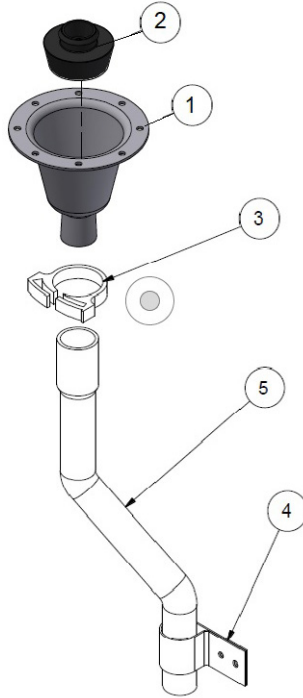
## SECTION 9

### PUMPER TUBE INSTALLATION

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PUMPER TUBE .....208

## PUMPER TUBE



| 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   | 1011870      | VALVE, DUCKBILL (NEW VERSION)                   |
|      | 1   | 2111         | STOPPER - PUMP OUT                              |
| 3    | 1   | 57134        | CLAMP, PLASTIC, WHITE, 3/4" DIAMETER ADJUSTABLE |
| 4    | 1   | 3A01158-003  | CLAMP - PUMP OUT TUBE                           |
| 5    | 1   | 10A01618-088 | PUMPER TUBE - 33.5"                             |
|      | 1   | 10A01618-089 | PUMPER TUBE - 41"                               |
|      | 1   | 10A01618-090 | PUMPER TUBE - 45"                               |
|      | 1   | 10A01618-091 | PUMPER TUBE - 45.5"                             |
|      | 1   | 10A01618-092 | PUMPER TUBE - 49"                               |
|      | 1   | 10A01618-093 | PUMPER TUBE - 56"                               |
|      | 1   | 10A01618-094 | PUMPER TUBE - 46"                               |
|      | 2   | 10A01618-095 | PUMPER TUBE - 45.5"                             |
|      | 1   | 10A01618-096 | PUMPER TUBE - 37.25"                            |
|      | 1   | 10A01618-097 | PUMPER TUBE - 33.75"                            |
|      | 1   | 10A01618-098 | PUMPER TUBE - 30"                               |
|      | 1   | 10A01618-099 | PUMPER TUBE - 23.5"                             |
|      | 1   | 10A01618-100 | PUMPER TUBE - 20.5"                             |



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