WIPAIRE

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PARTS MANUAL
FOR
WIPLINE MODEL 2100 FLOATS
ON
CESSNA 170

Revision M

Wipaire | Fire Boss | Lake & Air
1700 Henry Ave – Fleming Field (KSGS), South St. Paul, MN 55075
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LOG OF REVISIONS

Revision	Pages Affected	Description	Date
A-J	All	For previous revision changes, reference Parts Manual for 2100 Floats on Cessna 170, Revision J, part number 1003868.	9/23/2024
K	10-14, 17-19, 23-24, 37, 40, 44, 91-93	Removed 21A03115-001 and associated hardware in Hull Assemblies for Amphibian and Seaplane sections. Updated images and parts in Bulkheads 21A01000-250, 21A01000-253, 21A01000-261, 21A01000-263, 21A01000-264, and 21A01000-265. Removed Paddle Bracket 1002114, Right Stop 1002113, Left Stop 3A01156-057, Paddle Clip 3A01503-001, and Paddle 0238-0035 from Skins & Stiffeners sections. Added Canoe Paddle section image and parts list. Added Fwd Spreader Bar Support Panel Assembly 21A01000-260 image and parts list. Added Aft Spreader Bar Support Panel Assembly 21A01000-259 image and parts list. Added Spreader Bar Tube Mounting image and parts list.	4/17/2025
L	20, 47, 50, 55, 57	Updated image of 21A01000-252 Bulkhead 6. Updated parts and quantities in Top Deck - Amphibian and Seaplane sections. Added Left Forward Bottom Strap 21A01005-267 and Right Forward Bottom Strap 21A01005-268 to Hull Extrusions sections.	9/25/2025
M	47-48, 50-51, 57, 59-62, 70-73, 84, 104, 109, 123	Changed Gear Indicator Cover 21A01002-137 and 21A01002-138 to 1009202, changed Placard 10A3-6338-1 to 1009122 and changed Placard 10A3-6338-2 to 1009123, changed 2600-3 quantity from 4 to 2, added Stud 1126000-4, changed 212-12N to 212-12 in Top Deck - Amphibian section. Changed Cross Tie, Top Deck, Baggage 21A01326-004 to 1013020, changed Cross Tie, Top Deck 30S01326-035 to 1013025 in Top Deck sections. Replaced 21S01000-400 After Body Gusset with 1013018 for Right Float and 1013019 for Left Float in Seaplane Hull Extrusions section. Renamed Section 6. Updated image and parts list in Pumpout Cup and Tube section. Added Float Hand Pump section. Updated image and parts list in Nose Gear Retraction Assembly section. Updated image and parts list in Nose Gear Lower Assembly section. Changed O-Ring AN6227-23 to MS28775-218 in Main Gear Wheel Cleveland/Parker Assembly. Changed Assembly, Relay, Time Delay Release from 1005042 to 1012411.	11/9/2026

View most current version of parts manual at www.wipaire.com.

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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

Email: customerservice@wipaire.com

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)

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.

INTRODUCTION

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

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

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

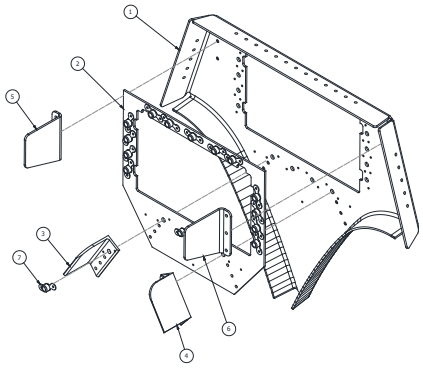
USING THIS PARTS MANUAL

COVERAGE

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

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

BULKHEAD #1



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

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

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

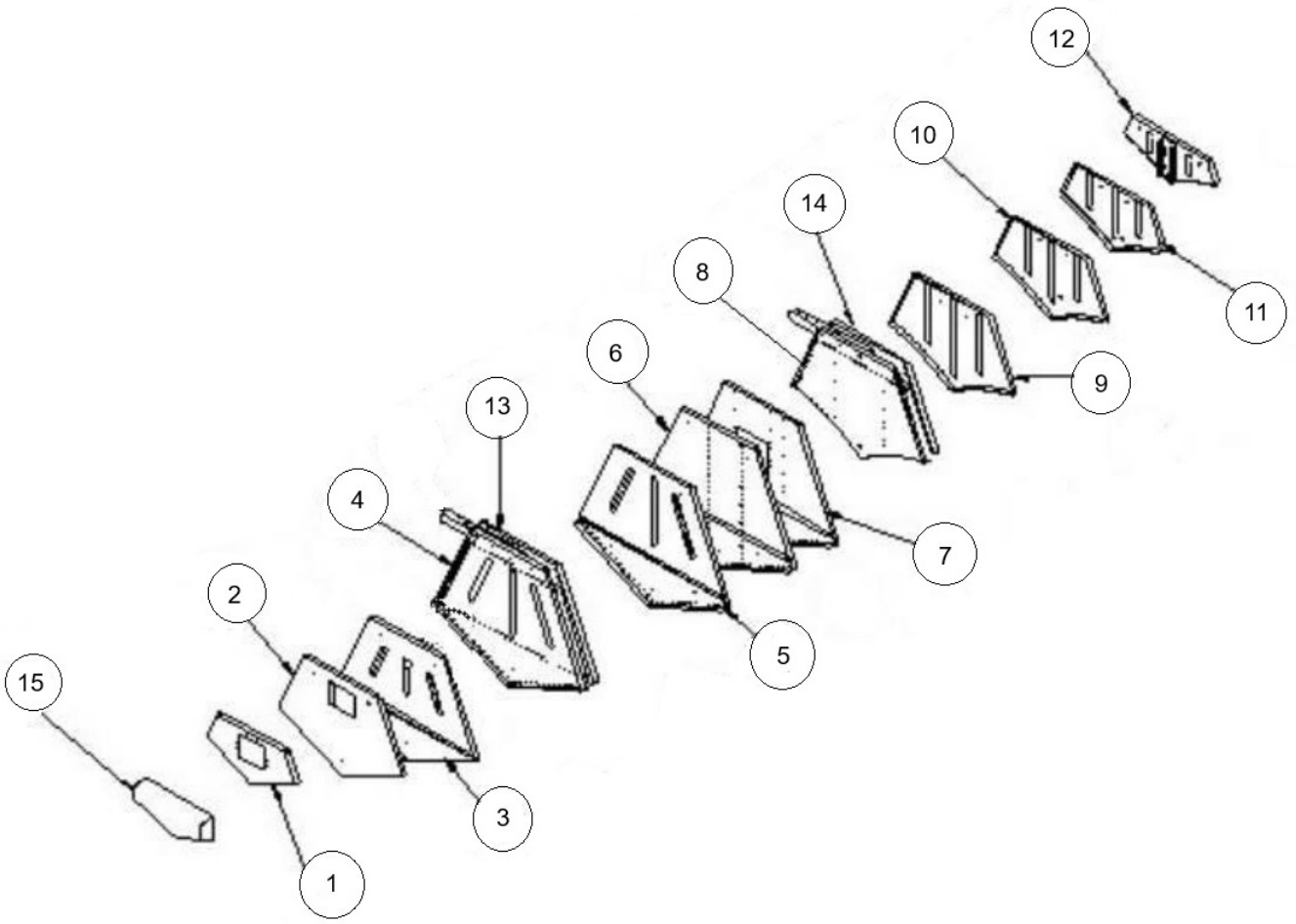
To order an individual part, order the part number associated with item number.

SECTION 1
HULL BULKHEAD ASSEMBLIES

CONTENTS

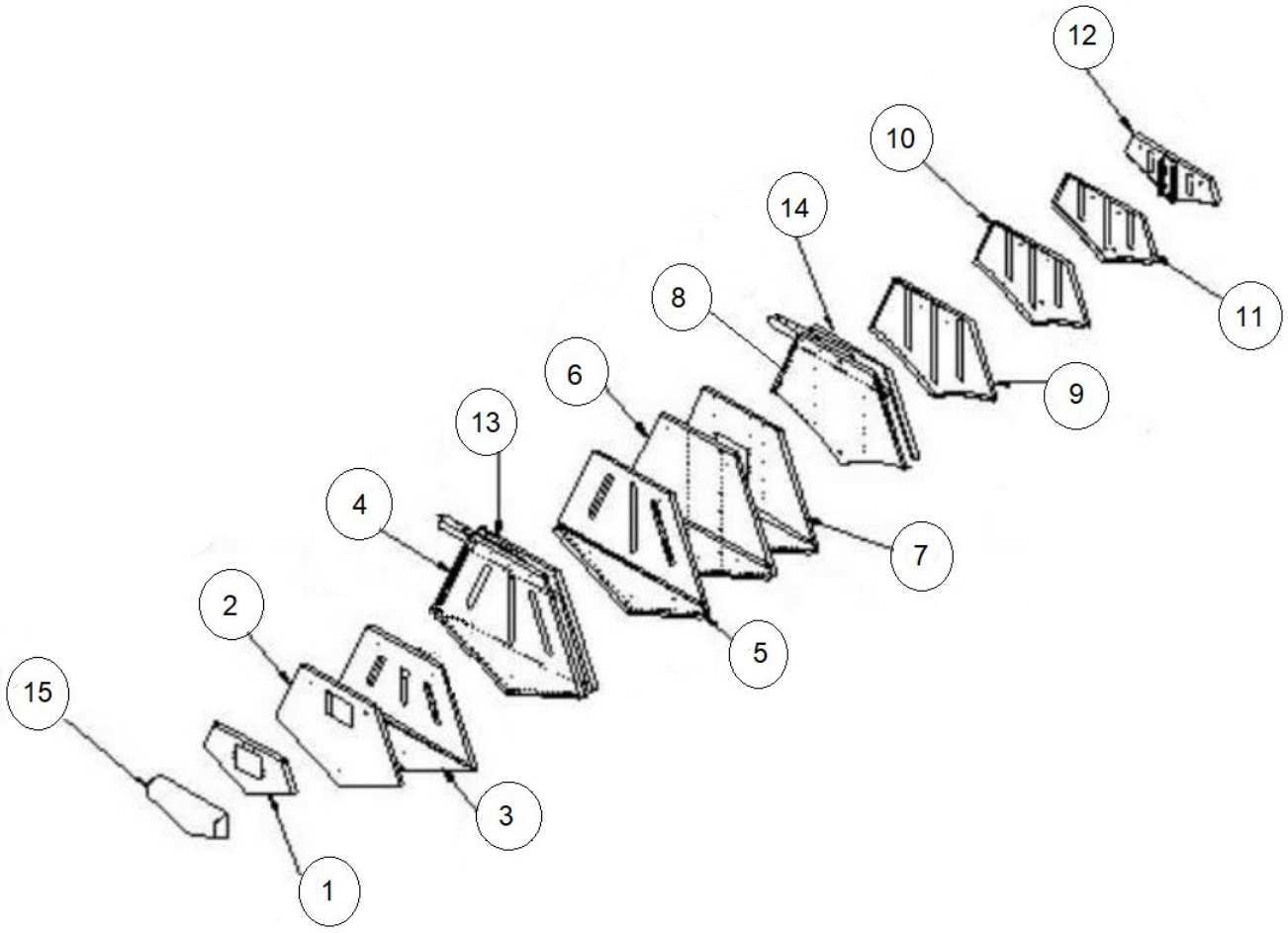
HULL ASSEMBLY - AMPHIBIAN 10
HULL ASSEMBLY - SEAPLANE 12
NOSE BUMPER - AMPHIBIAN 15
BULKHEAD #1 16
BULKHEAD #3 17
BULKHEAD #4 18
BULKHEAD #5 19
BULKHEAD #6 20
BULKHEAD #7 LEFT FLOAT 21
BULKHEAD #7 RIGHT FLOAT 22
BULKHEAD #8 LEFT FLOAT 23
BULKHEAD #8 RIGHT FLOAT 24
BULKHEAD #10 25
BULKHEAD #11 26
BULKHEAD #12 27
BULKHEAD #13 28
BULKHEAD #14 29

HULL ASSEMBLY - AMPHIBIAN



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01163-067	ASSEMBLY, BULKHEAD #1
2	1	21A01000-265	ASSEMBLY, BULKHEAD #3
3	1	21A01000-261	ASSEMBLY, BULKHEAD #4
4	1	21A01000-253	ASSEMBLY, BULKHEAD #5
5	1	21A01000-252	ASSEMBLY, BULKHEAD #6
6 LT.	1	21A01000-267	ASSEMBLY, BULKHEAD #7, LH
6 RT.	1	21A01000-266	ASSEMBLY, BULKHEAD #7, RH
7 LT.	1	21A01000-263	ASSEMBLY, BULKHEAD #8, LH
7 RT.	1	21A01000-264	ASSEMBLY, BULKHEAD #8, RH
8	1	21A01000-262	ASSEMBLY, BLKHD 10, COMP
9	1	21A01000-395	ASSEMBLY, BULKHEAD #11
10	1	21A01000-396	ASSEMBLY, BULKHEAD #12
11	1	21A01000-397	ASSEMBLY, BULKHEAD #13
12	1	21A01000-250	ASSEMBLY, BULKHEAD #14
13	1	21A01000-260	ASSY. SPR. BAR PANEL FWD
	1	21A01163-065	PANEL – SPR. BAR
	1	21A01326-013	ANGLE – SIDE L.
	1	21A01326-014	ANGLE – SIDE R.
	1	AN4-5A	BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL
	1	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
	1	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
14	1	21A01000-259	ASSY. SPR. BAR PANEL AFT
	1	21A01163-065	PANEL – SPR. BAR
	1	21A01326-009	ANGLE – SIDE L.
	1	21A01326-010	ANGLE – SIDE R.
	1	AN4-5A	BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL
	1	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
	1	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
15	1	21A01000-295	ASSEMBLY, NOSE BUMPER, 2100

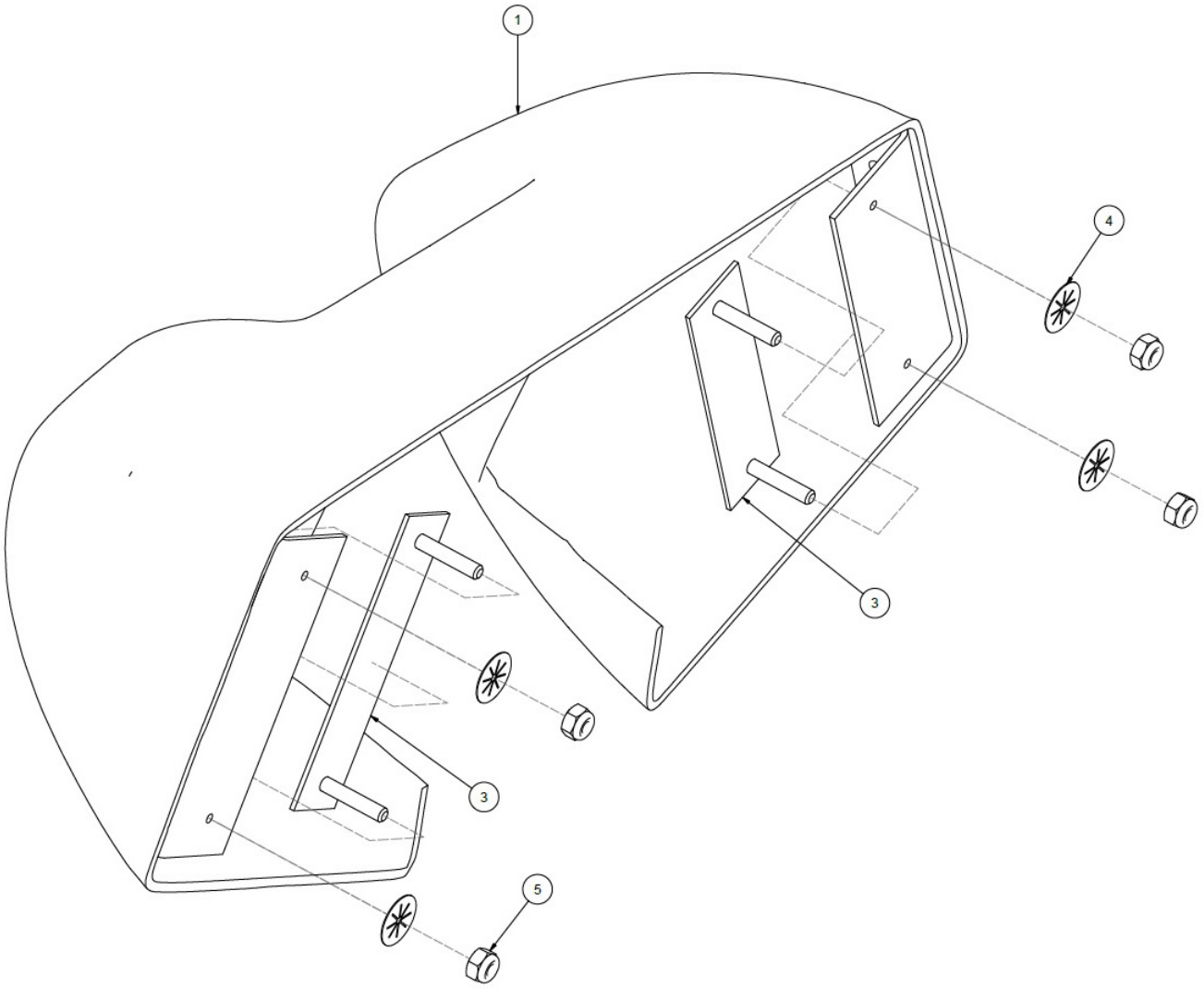
HULL ASSEMBLY - SEAPLANE



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01163-067	BULKHEAD #1
	1	21S01150-134	COVER – NOSE GEAR OPENING
	A/R	MS21059L3	PLATE NUT
2	1	21A01000-265	ASSY BULKHEAD #3
	1	21A01158-184	PANEL, BULKHEAD 3
	1	21A01326-005	ANGLE, SUPPORT, BULKHEAD 3
	1	21A01326-006	ANGLE, SUPPORT, BULKHEAD 3
	2	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
	2.5 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
	2	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
	2	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32
3	1	21A01000-261	ASSY BULKHEAD #4
	1	21A01158-174	PANEL, BULKHEAD 4
	1	21A01158-175	SUPPORT BULKHEAD 4
	1	3A01158-003	CLAMP, PUMP OUT TUBE
	2	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
	2.5 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
	2	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
	2	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32
4	1	21A01000-253	ASSY BULKHEAD #5
	1	21A01158-178	BULKHEAD - MAIN
	1	21A01326-007	ANGLE – SIDE L.
	1	21A01326-008	ANGLE – SIDE R.
	1	21A01163-066	PANEL – SPR. BAR
	1	21A01158-177	SUPPORT – BULKHEAD LOWER
	1	3A01158-003	CLAMP, PUMP OUT TUBE
5	1	21A01000-252	ASSY BULKHEAD #6
	1	21A01158-189	BULKHEAD – MAIN
	1	21A01158-177	SUPPORT – BULKHEAD LOWER
	1	MS35489-19	GROMMET
6	1	21S01000-308	ASSY BULKHEAD #7
	1	21A01158-189	BULKHEAD - MAIN
	1	21A01158-177	SUPPORT – BULKHEAD LOWER
	1	3A01158-003	CLAMP, PUMP OUT TUBE
7	1	21S01000-309	ASSY BULKHEAD #8
	1	21A01158-189	BULKHEAD – MAIN
	1	21A01158-177	SUPPORT – BULKHEAD LOWER
	2	21S01158-203	ANGLE – A.B. SKIN ATTACH
	1	3A01158-003	CLAMP, PUMP OUT TUBE
8	1	21S01000-322	ASSY. – BULKHEAD #10
	1	21A01158-169	BULKHEAD - MAIN

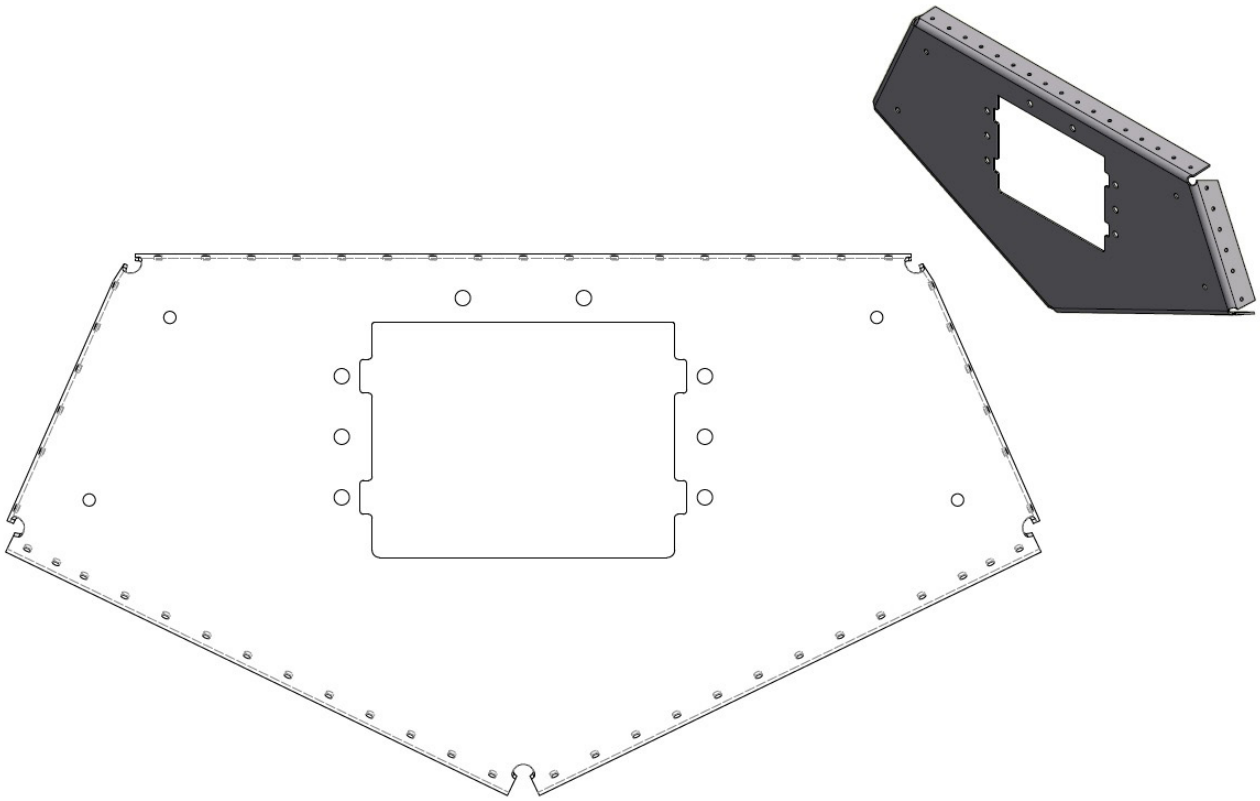
ITEM	QTY	PART NO.	PART DESCRIPTION
	1	21A01326-011	ANGLE SIDE L.
	1	21A01326-012	ANGLE SIDE R.
	1	21A01163-066	PANEL – SPR. BAR
	2	21S01340-129	ANGLE – VERTICAL
	1	3A01158-003	CLAMP, PUMP OUT TUBE
9	1	21A01000-395	BULKHEAD #11
	1	21A01158-168	BULKHEAD PANEL
10	1	21A01000-396	BULKHEAD #12
	1	21A01158-167	BULKHEAD PANEL
11	1	21A01000-397	BULKHEAD #13
	1	21A01158-166	BULKHEAD PANEL
12	1	21A01000-250	ASSY. BULKHEAD #14
	1	21A01158-164	BULKHEAD - MAIN
	1	21A01158-165	CHANNEL – REIN.
	1	21A08156-130	PLATE – WATER RUDDER STOP
13	1	21A01000-260	ASSY. SPR. BAR PANEL FWD
	1	21A01163-065	PANEL – SPR. BAR
	1	21A01326-013	ANGLE – SIDE L.
	1	21A01326-014	ANGLE – SIDE R.
	1	AN4-5A	BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL
	1	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
	1	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
14	1	21A01000-259	ASSY. SPR. BAR PANEL AFT
	1	21A01163-065	PANEL – SPR. BAR
	1	21A01326-009	ANGLE – SIDE L.
	1	21A01326-010	ANGLE – SIDE R.
	1	AN4-5A	BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL
	1	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
	1	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
15	1	21S01738-001	NOSE BUMPER

NOSE BUMPER - AMPHIBIAN



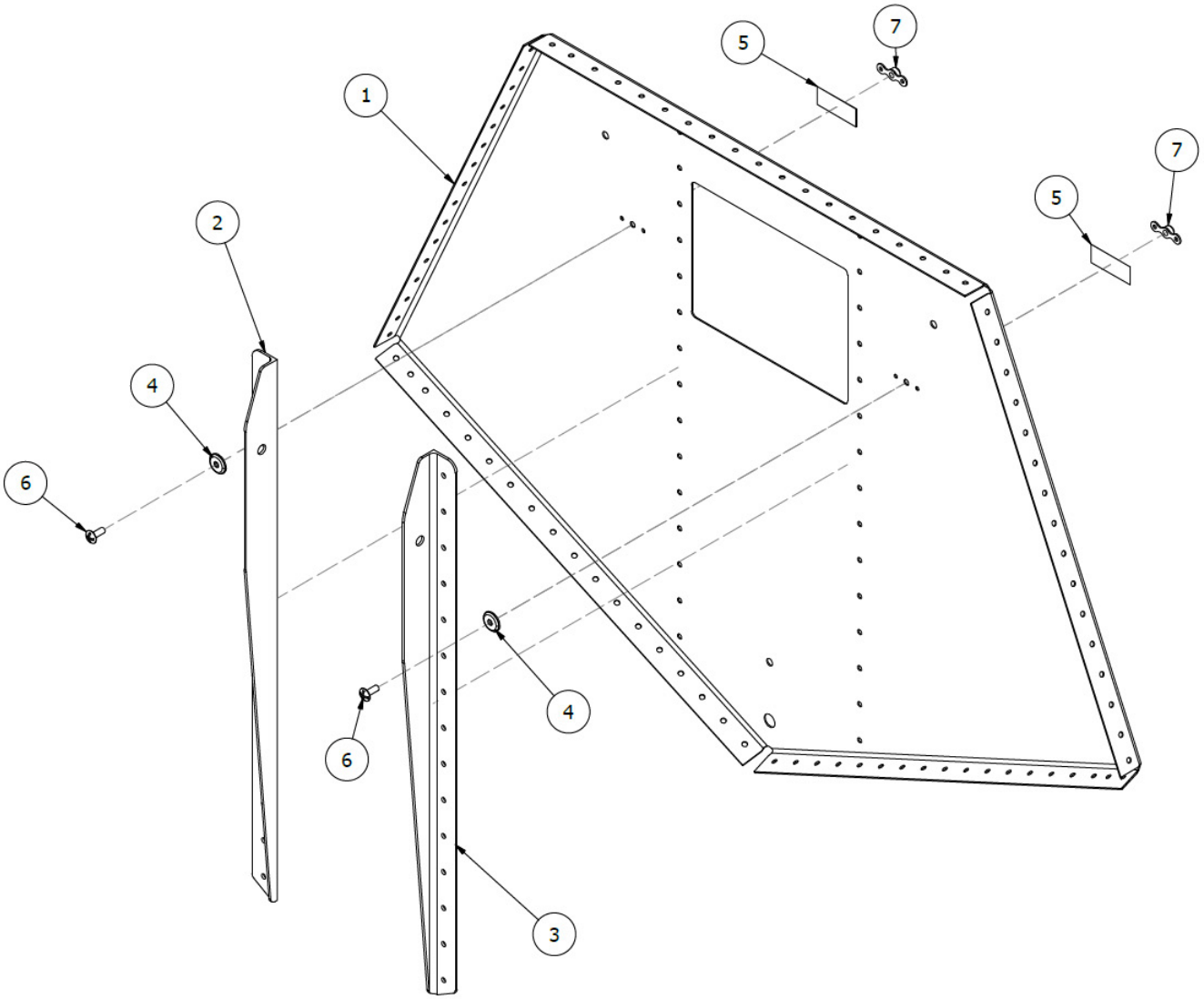
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-	1	21A01000-295	ASSEMBLY, NOSE BUMPER, 2100
1	1	21A01000-295-1	NOSE BUMPER
2	2	21A01000-295-2	ANGLE, MOUNT, NOSE BUMPER
3	2	21A01000-295-3	PLATE, SCREW MOUNT, NOSE BUMPER
4	4	4HFW3	PUSH NUT WASHER
5	4	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
6	4	MS51958-67	SCREW, BUTTON HEAD

BULKHEAD #1



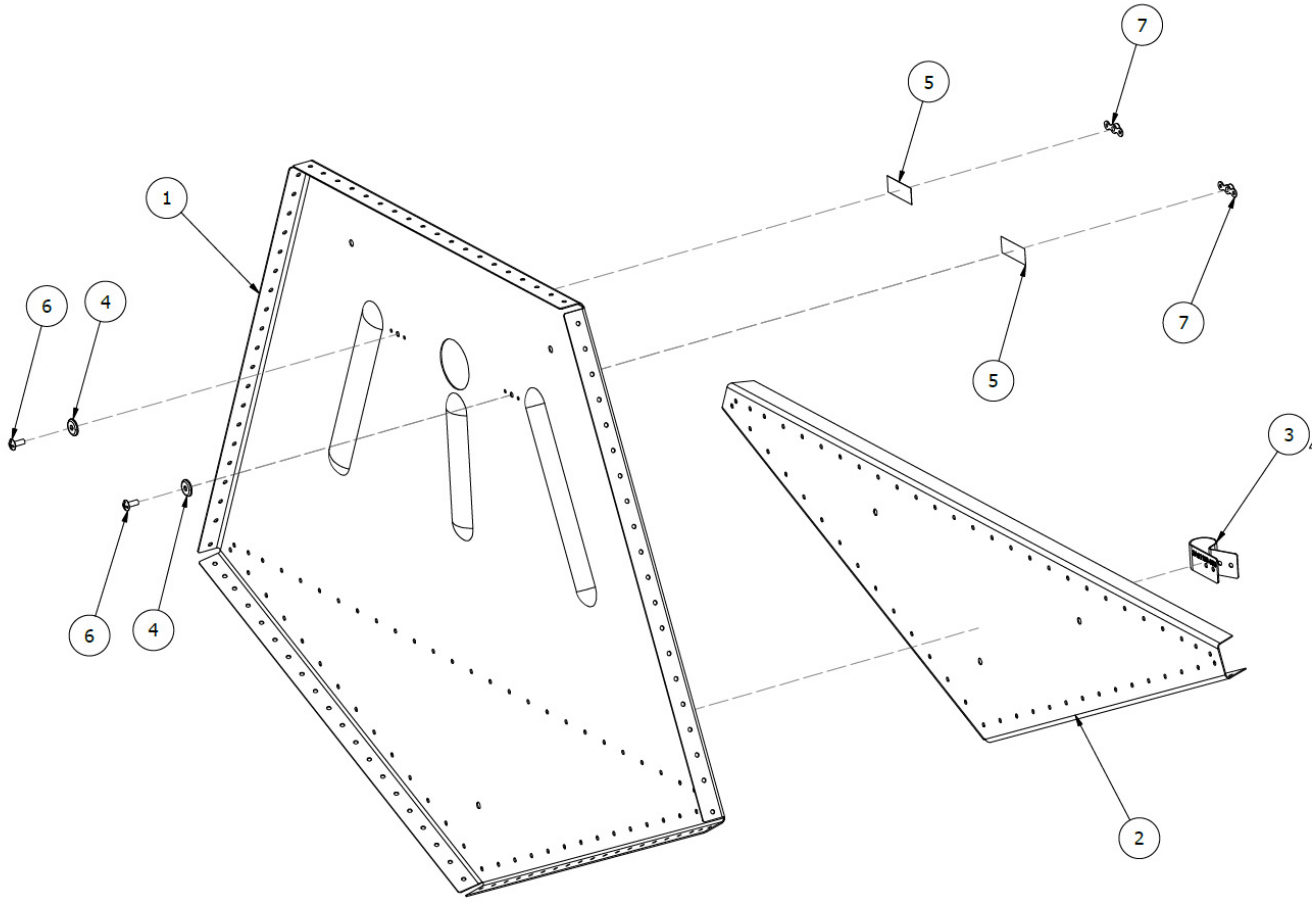
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-	1	21A01163-067	BULKHEAD #1

BULKHEAD #3



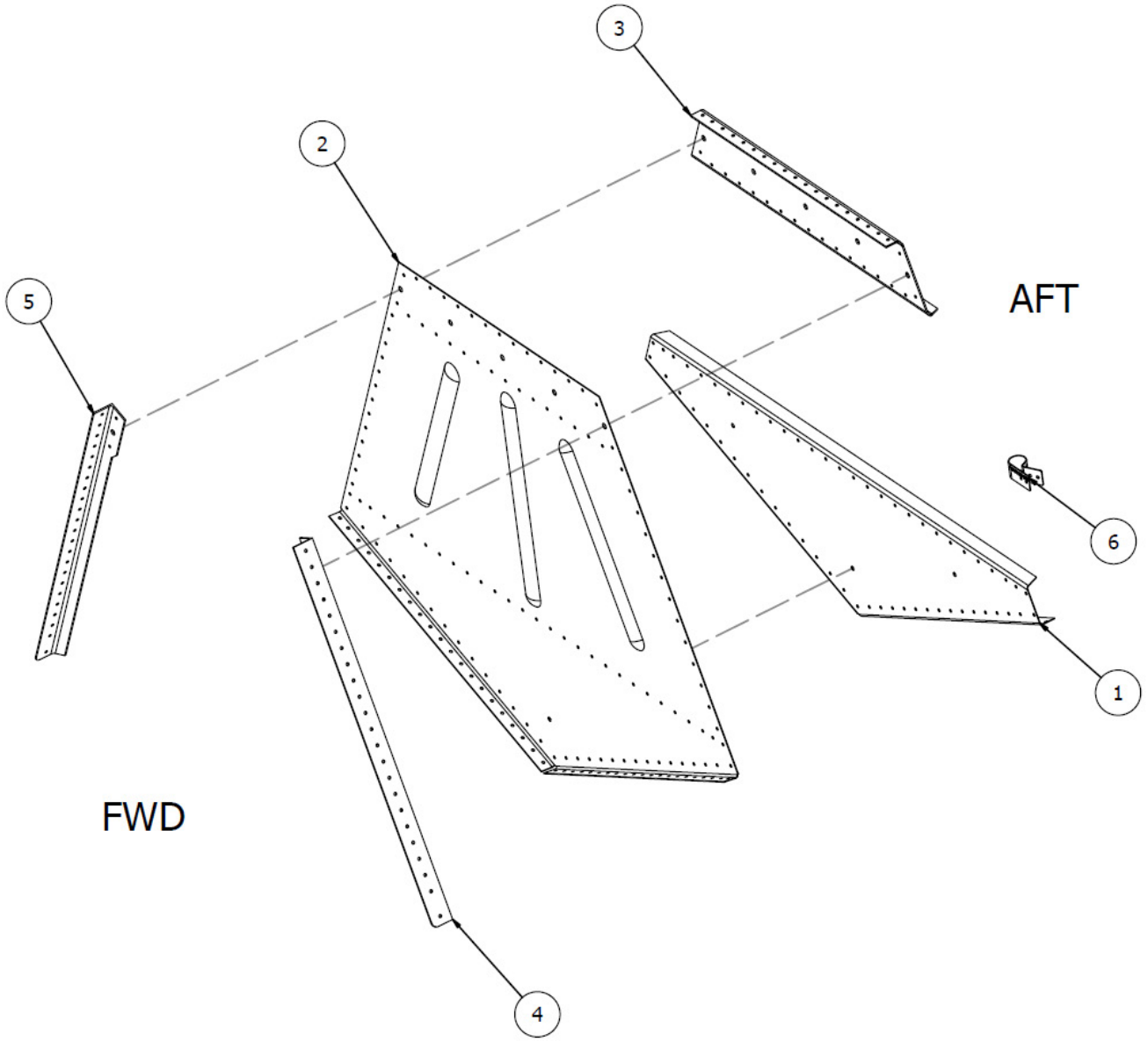
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-265	ASSEMBLY, BULKHEAD #3
1	1	21A01158-184	PANEL, BULKHEAD 3
2	1	21A01326-005	ANGLE, SUPPORT, BULKHEAD 3
3	1	21A01326-006	ANGLE, SUPPORT, BULKHEAD 3
4	2	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
5	2.5 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
6	2	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
7	2	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32

BULKHEAD #4



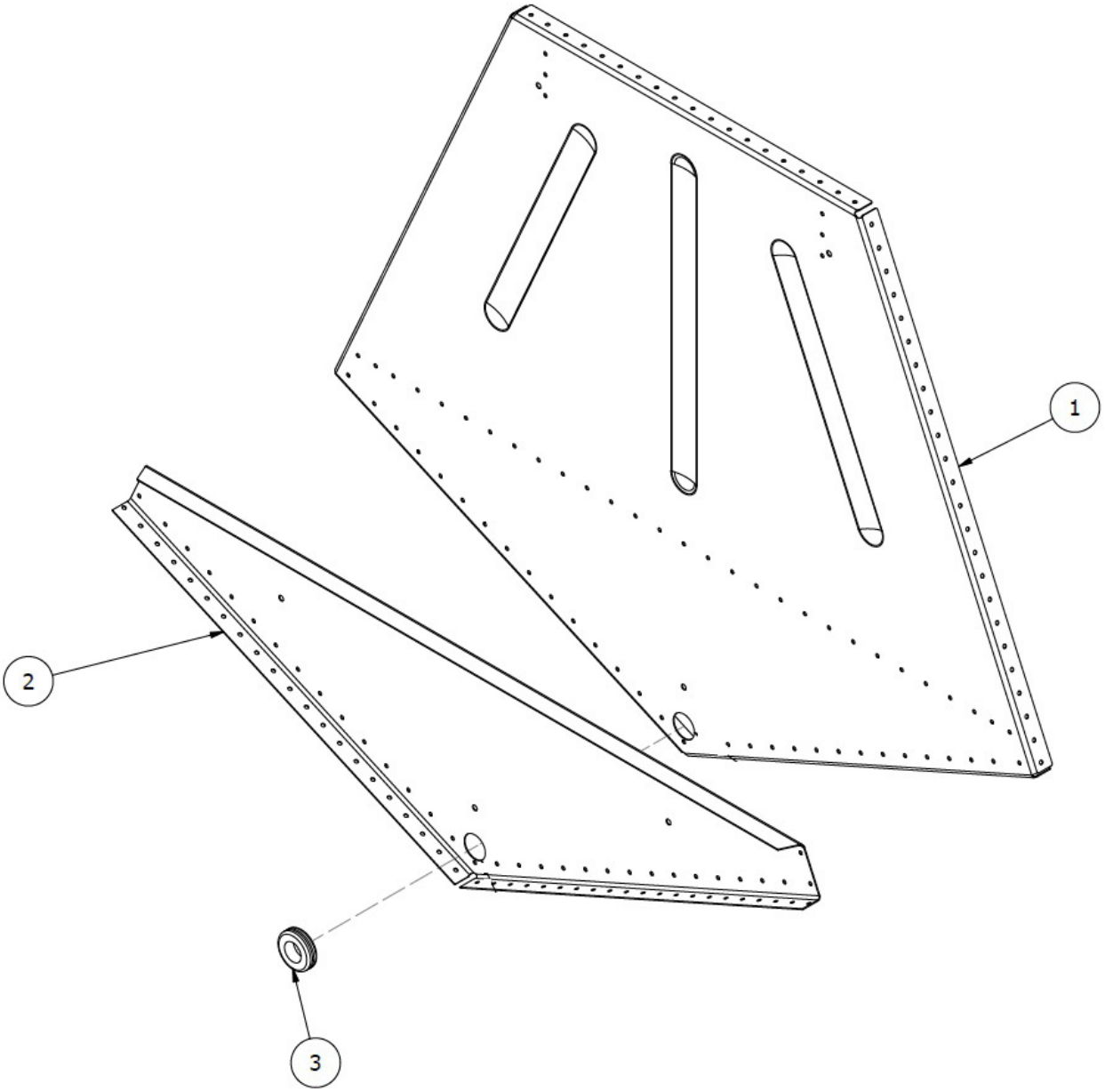
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-261	ASSEMBLY, BULKHEAD #4
1	1	21A01158-174	PANEL, BULKHEAD 4
2	1	21A01158-175	SUPPORT BULKHEAD 4
3	1	3A01158-003	CLAMP, PUMP OUT TUBE
4	2	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
5	2.5 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
6	2	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
7	2	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32

BULKHEAD #5



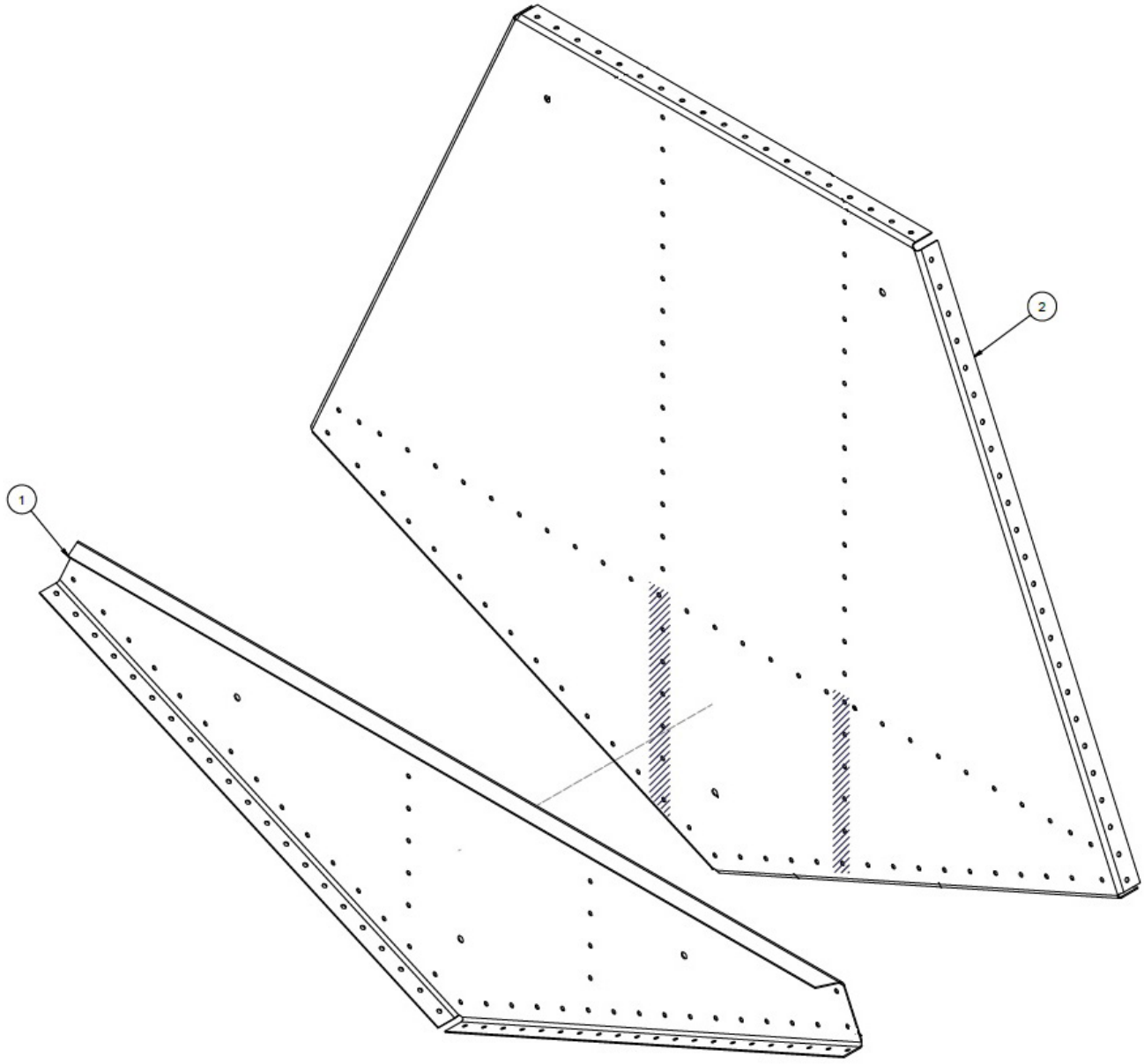
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-253	ASSY BULKHEAD #5
1	1	21A01158-177	SUPPORT, BULKHEAD # 6
2	1	21A01158-178	BULKHEAD #5 - FORMED
3	1	21A01163-066	SPREADER BAR PANEL
4	1	21A01326-007	ANGLE SUPPORT, LH, BULKHEAD #5
5	1	21A01326-008	ANGLE SUPPORT, RH, BULKHEAD #5
6	1	3A01158-003	CLAMP, PUMP OUT TUBE

BULKHEAD #6



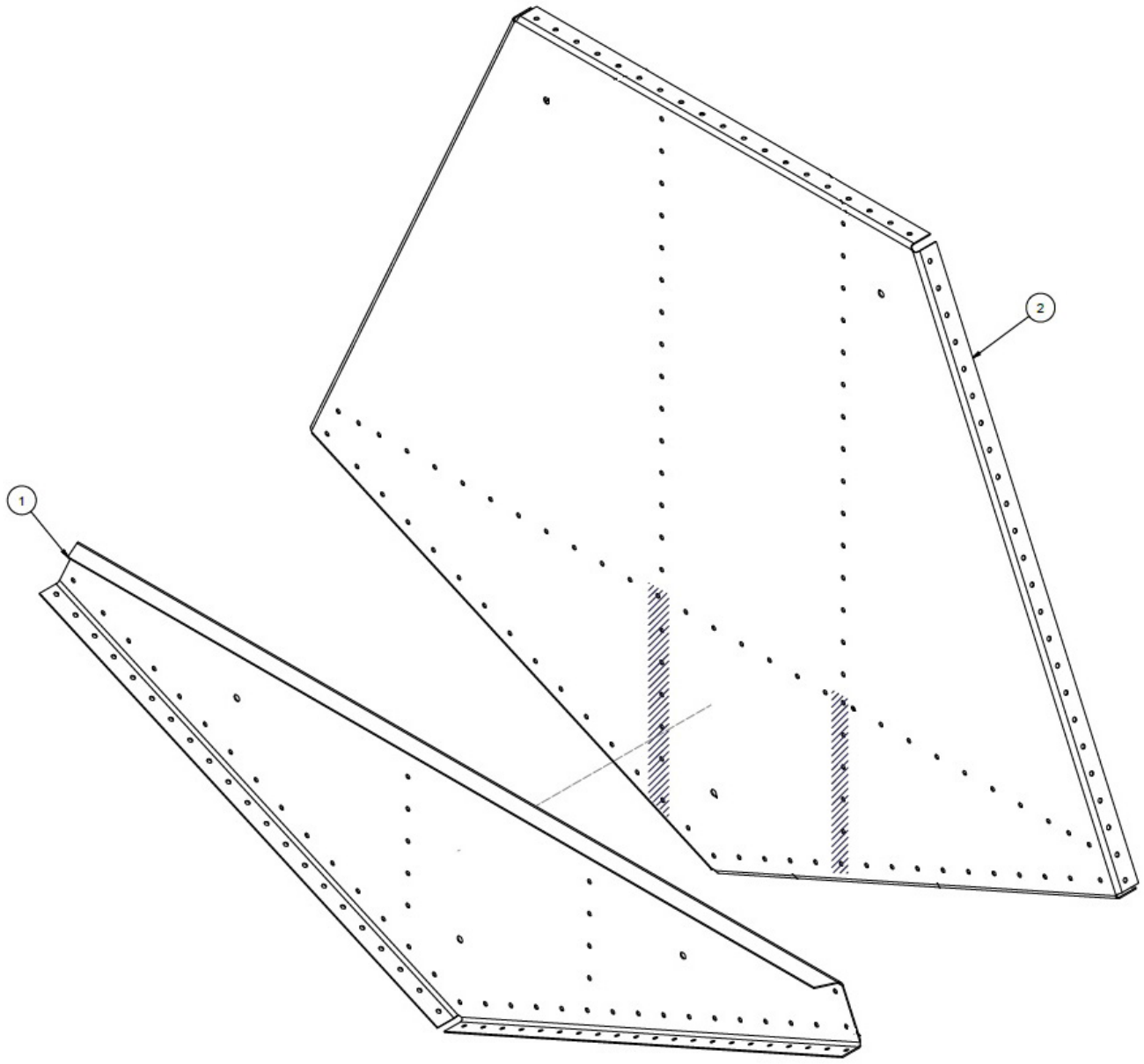
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-252	ASSEMBLY, BULKHEAD #6
1	1	21A01158-189	BULKHEAD #6
2	1	21A01158-177	SUPPORT, BULKHEAD #6
3	1	MS35489-19	GROMMET, RUBBER

BULKHEAD #7 LEFT FLOAT



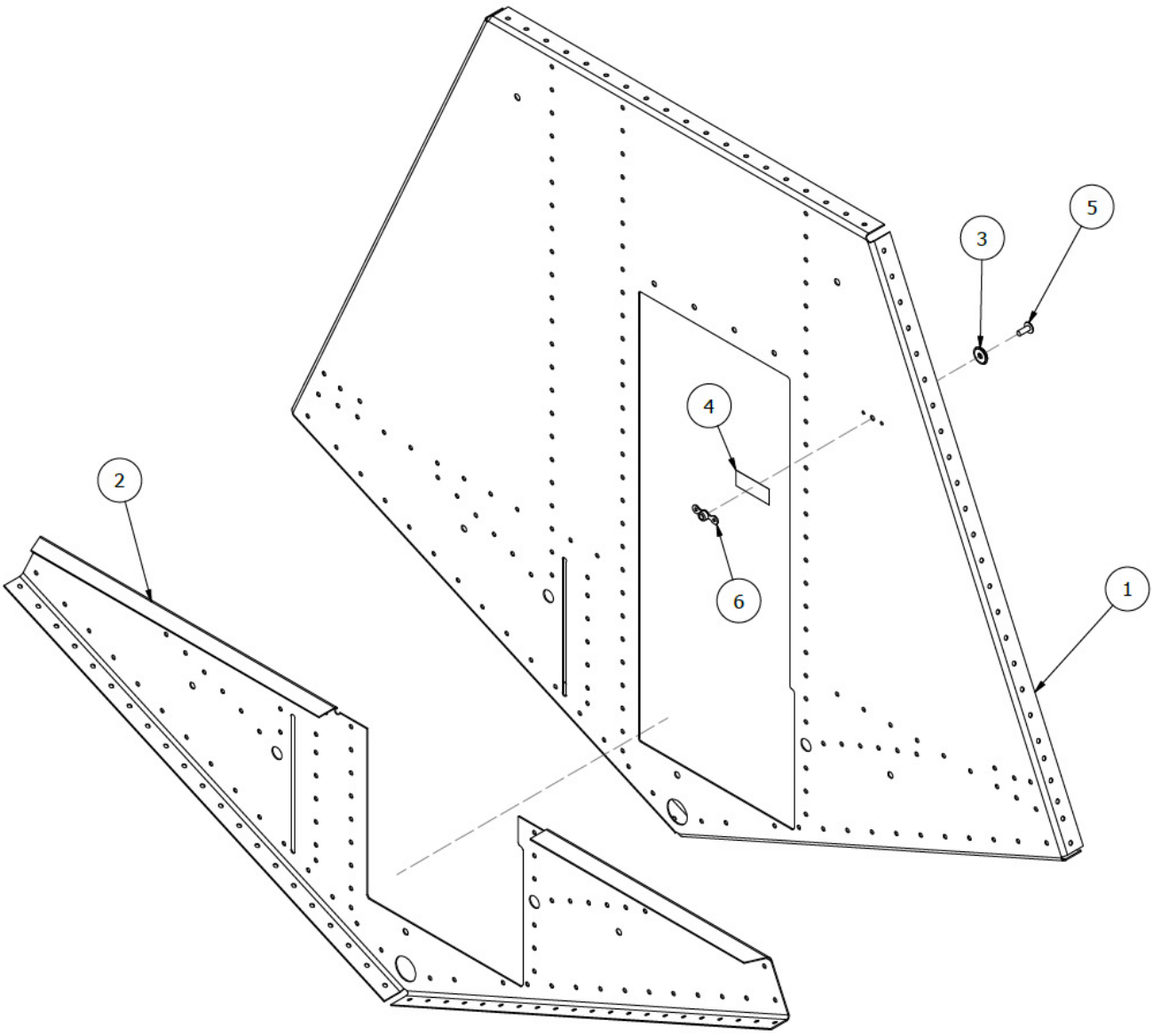
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-267	ASSEMBLY, BULKHEAD #7, LH
1	1	21A01158-187	SUPPORT, BLKHD 7, RH, 2100
2	1	21A01158-181	BULKHEAD #7 - LH

BULKHEAD #7 RIGHT FLOAT



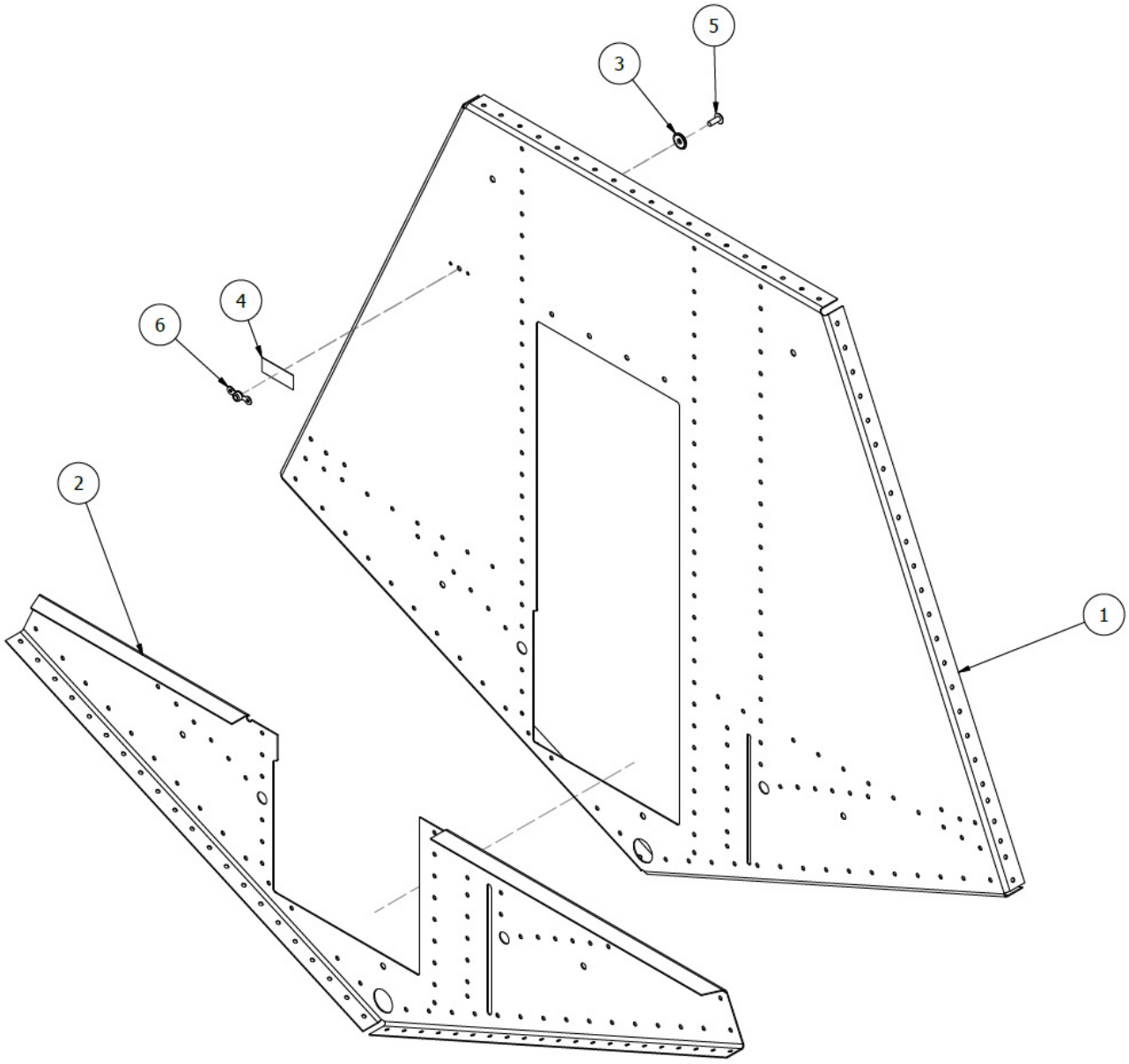
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-	1	21A01000-266	ASSEMBLY, BULKHEAD #7, RH
1	1	21A01158-188	SUPPORT, BLKHD 7, LH, 2100
2	1	21A01158-182	BULKHEAD #7 - RH

BULKHEAD #8 LEFT FLOAT



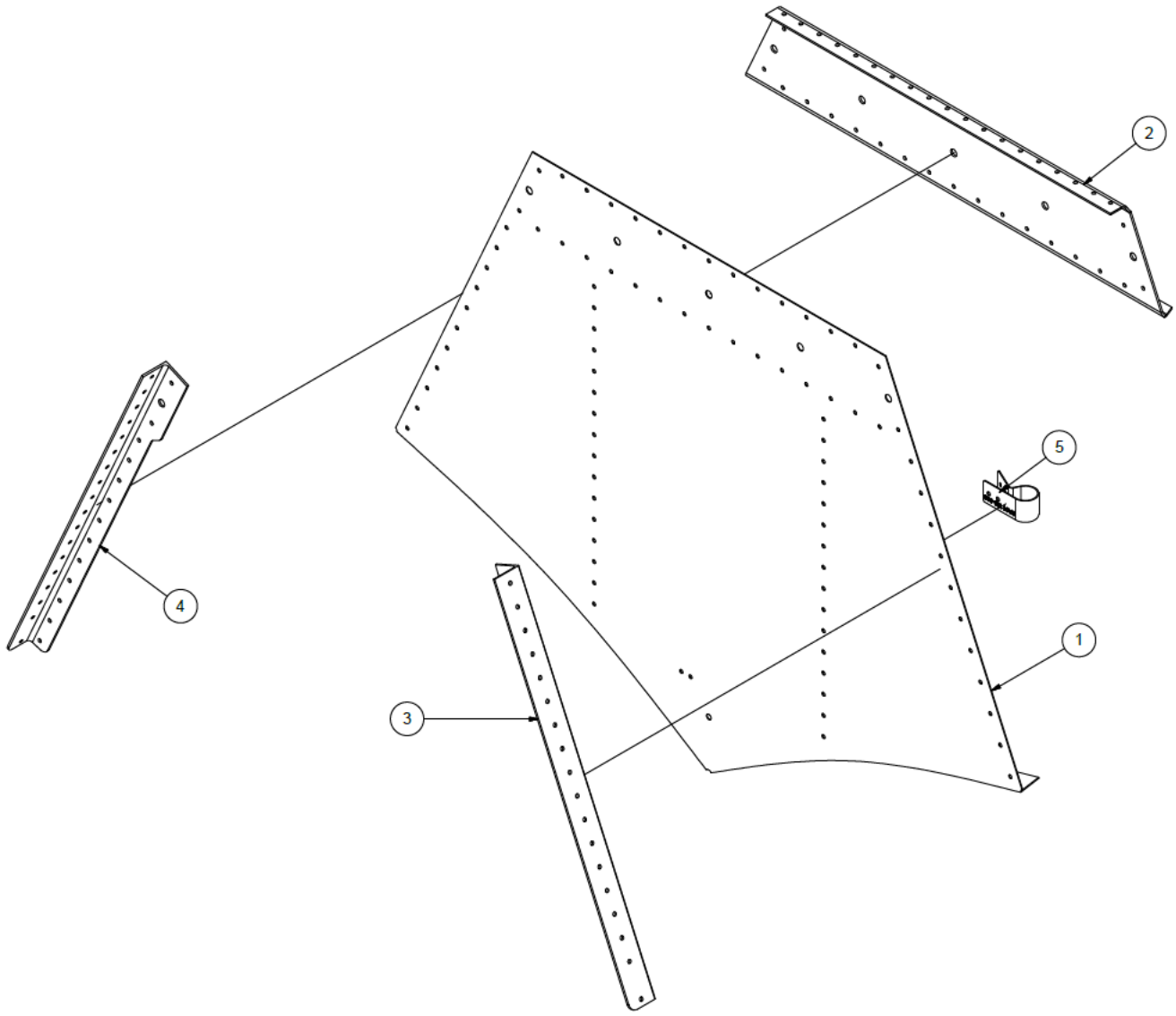
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-263	ASSY, BULKHEAD #8, LH
1	1	21A01158-191	PANEL, BULKHEAD 8, LH
2	1	21A01158-193	SUPPORT - LH - BULKHEAD #8
3	1	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
4	1.25 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
5	1	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
6	1	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32

BULKHEAD #8 RIGHT FLOAT



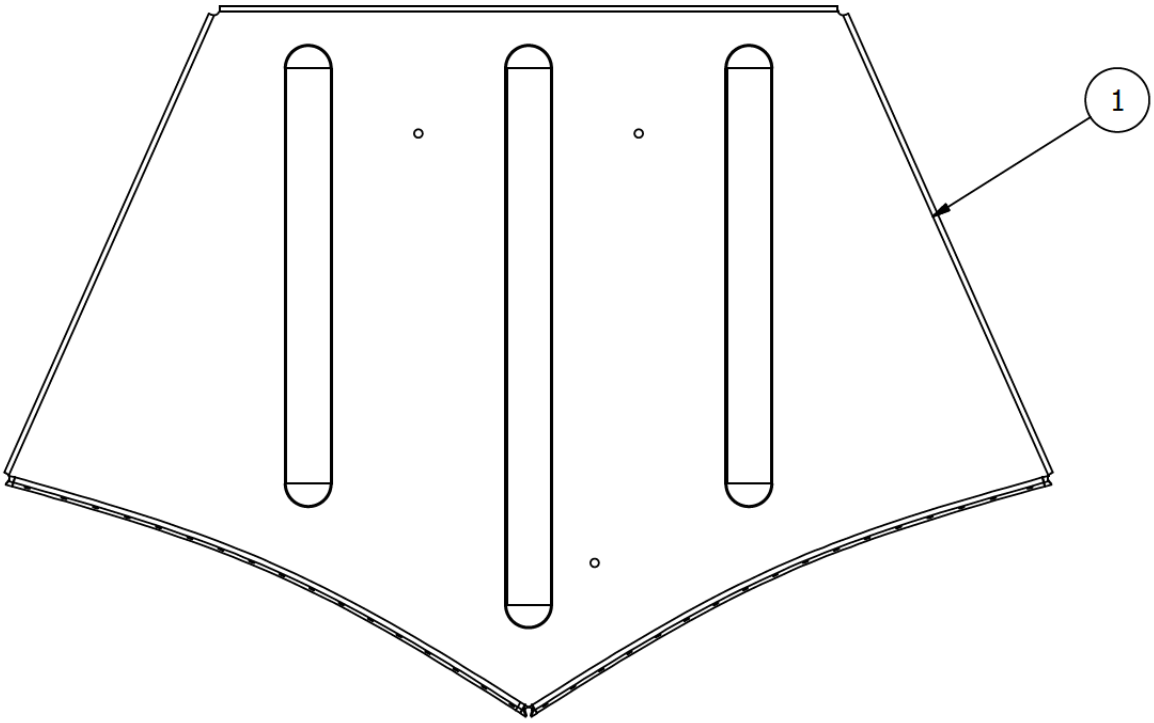
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-264	ASSY, BULKHEAD #8, RH
1	1	21A01158-190	PANEL, BULKHEAD 8, RH
2	1	21A01158-192	SUPPORT - RH - BULKHEAD #8
3	1	94154A100	WASHER, STAINLESS STEEL W/PVC PLASTIC, SEALING
4	1.25 IN	9903-13-36	TAPE, TINNERMAN, 1/2"X.005"
5	1	AN526-632R6	SCREW, MACHINE, TRUSS HEAD
6	1	MS21047L06	NUT PLATE, FIXED, STEEL, PLAIN, 6-32

BULKHEAD #10



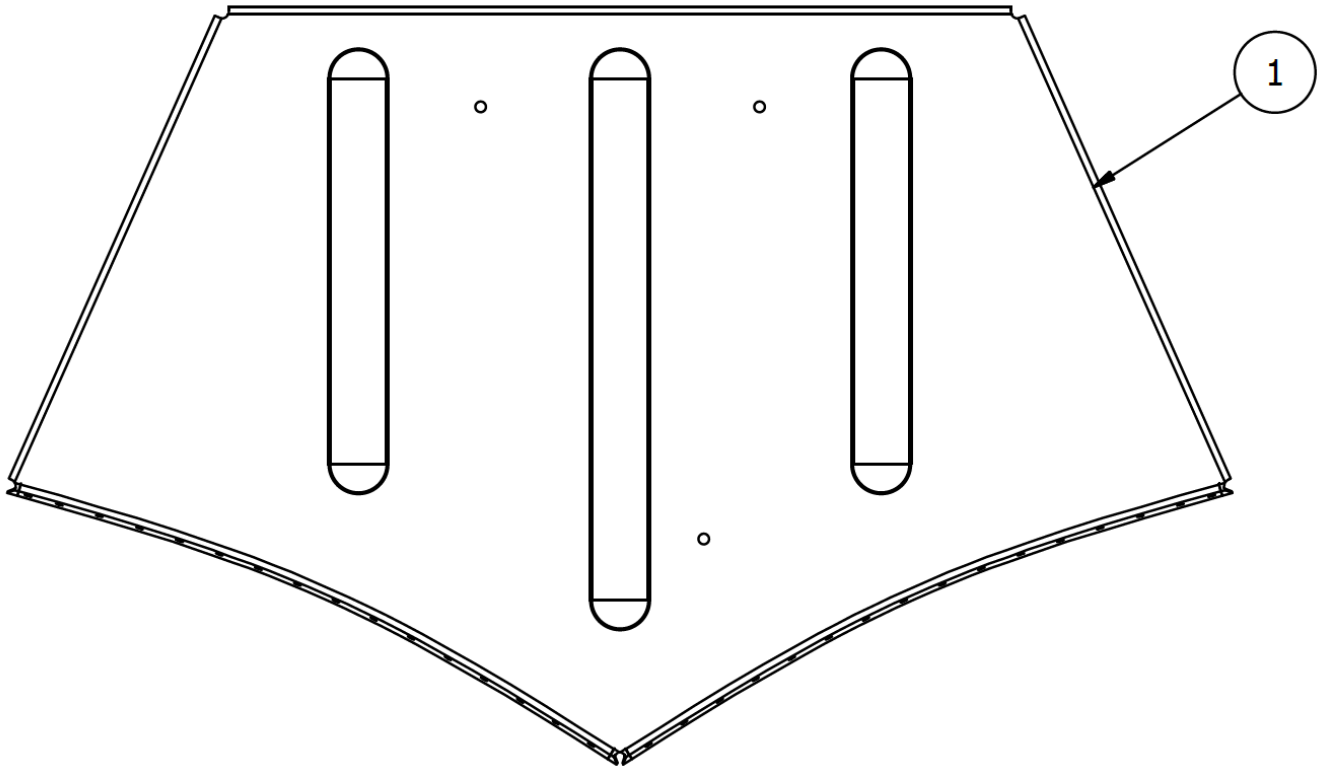
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-262	ASSY, BLKHD 10
1	1	21A01158-169	BULKHEAD #10 - FORMED
2	1	21A01163-066	SPREADER BAR PANEL
3	1	21A01326-011	ANGLE, SIDE BAR, BULKHEAD #10, LF
4	1	21A01326-012	ANGLE, SIDE BAR, BULKHEAD #10, RT
5	1	3A01158-003	CLAMP, PUMP OUT TUBE

BULKHEAD #11



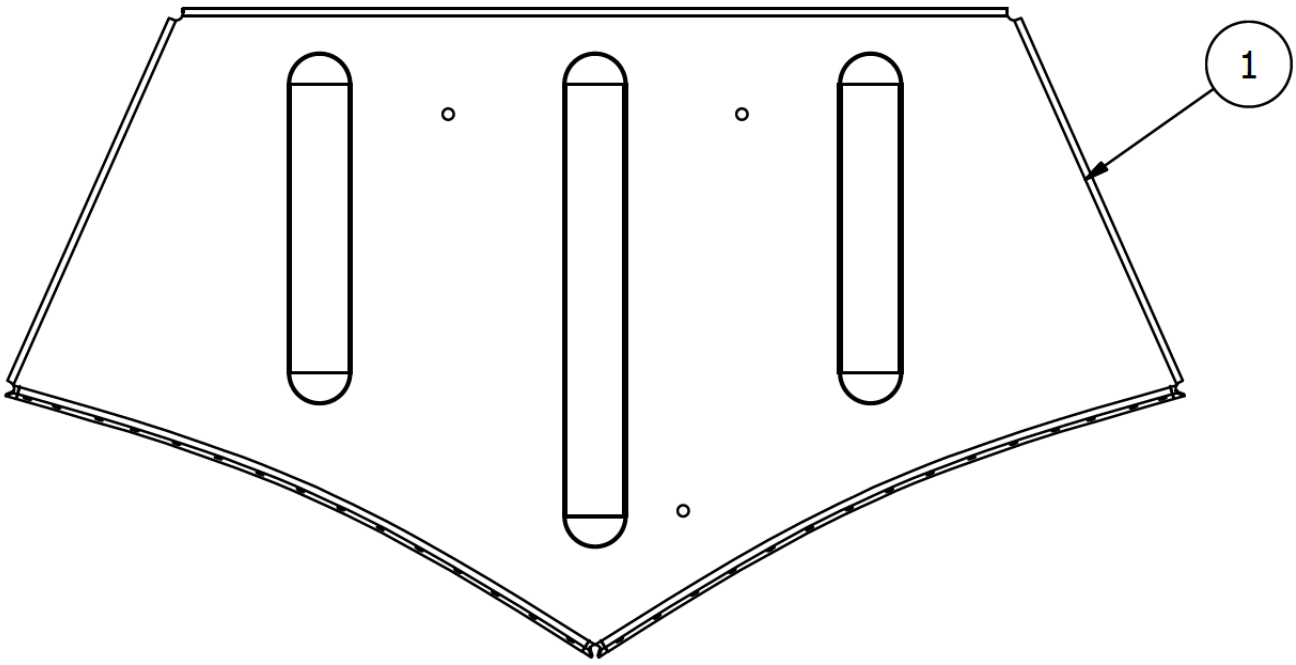
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-395	BULKHEAD STN. #11 ASSY
1	1	21A01158-168	BULKHEAD #11 - FORMED

BULKHEAD #12



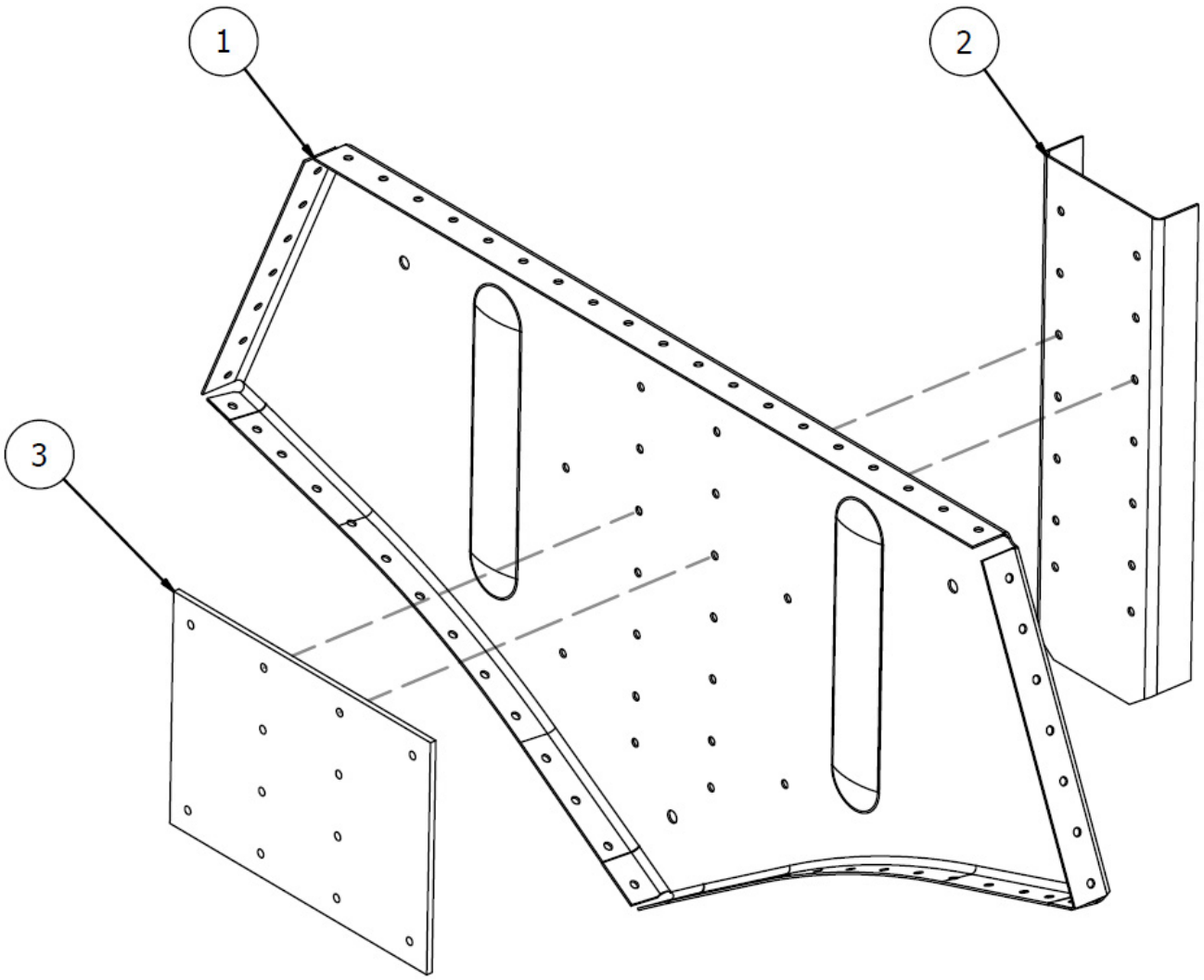
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-396	ASSY, BULKHEAD #12
1	1	21A01158-167	BULKHEAD #12 - FORMED

BULKHEAD #13



ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-397	ASSEMBLY, BULKHEAD #13
1	1	21A01158-166	BULKHEAD #13 - FORMED

BULKHEAD #14



ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-250	ASSEMBLY, BULKHEAD 14
1	1	21A01158-164	PANEL, BULKHEAD 14, 2100
2	1	21A01158-165	CHANNEL, BULKHEAD 14, 2100
3	1	21A08156-130	PLATE - WATER RUDDER STOP

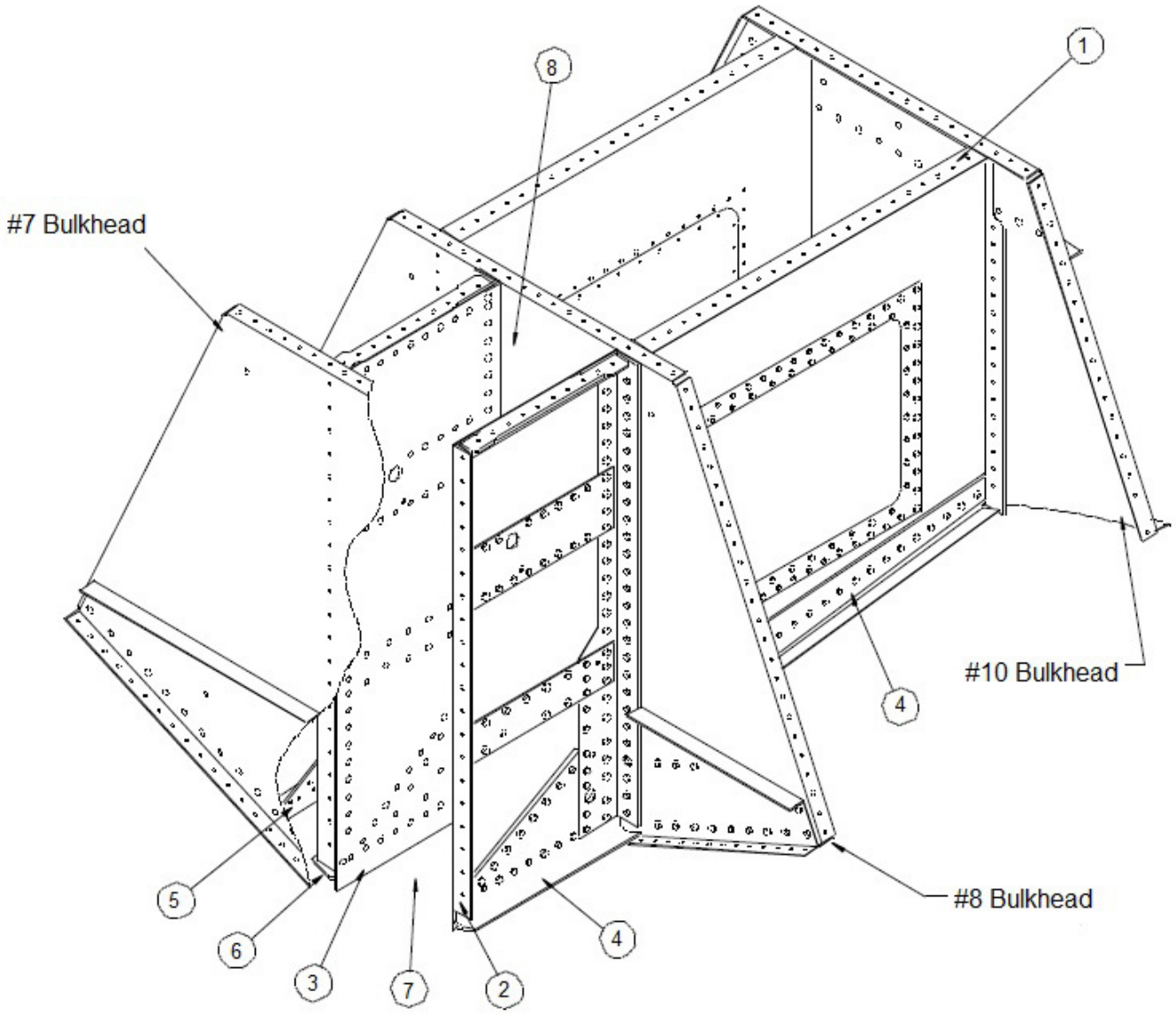
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SECTION 2
WHEEL WELL ASSEMBLY

CONTENTS

WHEEL WELL ASSEMBLY - AMPHIBIAN 32

WHEEL WELL ASSEMBLY - AMPHIBIAN



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01000-289	ASSY. – WHEELWELL HALF L.
	1	21A01158-185	PANEL – FORMED L.
	1	21A01156-126	RING – COVER REINFORCEMENT
	1	21A01004-101	COVER, WHEEL WELL INSPECTION
	28	AN526-632R6	SCREW TRUSS HEAD, NON STRUCTURAL CAD 1
	1	21A01000-290	ASSY. – WHEELWELL HALF R.
	1	21A01158-186	PANEL – FORMED R.
	1	13A01156-124	RING – COVER REINFORCEMENT
	1	21A01158-163	COVER, INSPECTION, WHEELWELL, LARGE
	28	AN526-632R6	SCREW TRUSS HEAD, NON STRUCTURAL CAD 1
2	1	21A01000-257	ASSY. – WHEELWELL PANEL – OUTBR'D L.
	1	21A01000-256	ASSY. - WHEELWELL PANEL – OUTBR'D R.
3	1	21A01000-255	ASSY. – WHEELWELL PANEL – INBR'D L.
	1	21A01000-254	ASSY. - WHEELWELL PANEL – INBR'D R.
4	1	21A01017-005	CARRY-THRU STRAP OUTBR'D L.
	1	21A01017-004	CARRY-THRU STRAP OUTBR'D R.
5	1	21A01017-003	CARRY-THRU STRAP INBR'D L.
	1	21A01017-002	CARRY-THRU STRAP INBR'D R.
6	1	21A01017-007	CARRY-THRU STRAP INBR'D L.
	1	21A01017-006	CARRY-THRU STRAP INBR'D R.
	1	21A01156-131	ANGLE – ATTACH AFT L.
	1	21A01156-132	ANGLE – ATTACH AFT R.
	1	21A01156-125	SPACER, CARRY THRU STRAP
	2	21A01326-015	ANGLE – ATTACH FWD
7	1	21A01000-398	SAND GUARD ASSY. (NOT SHOWN)
	1	21A01150-136	SAND GUARD (NOT SHOWN)
	4	AN526-1032R8	SCREW, TRUSS HEAD, NON STRUCTURAL, CAD 1, STEAL
	4	MS21078-3	NUT PLATE
8	1	21A01569-001	MUD FLAP (NOT SHOWN)
	1	21A01150-135	REINFORCEMENT

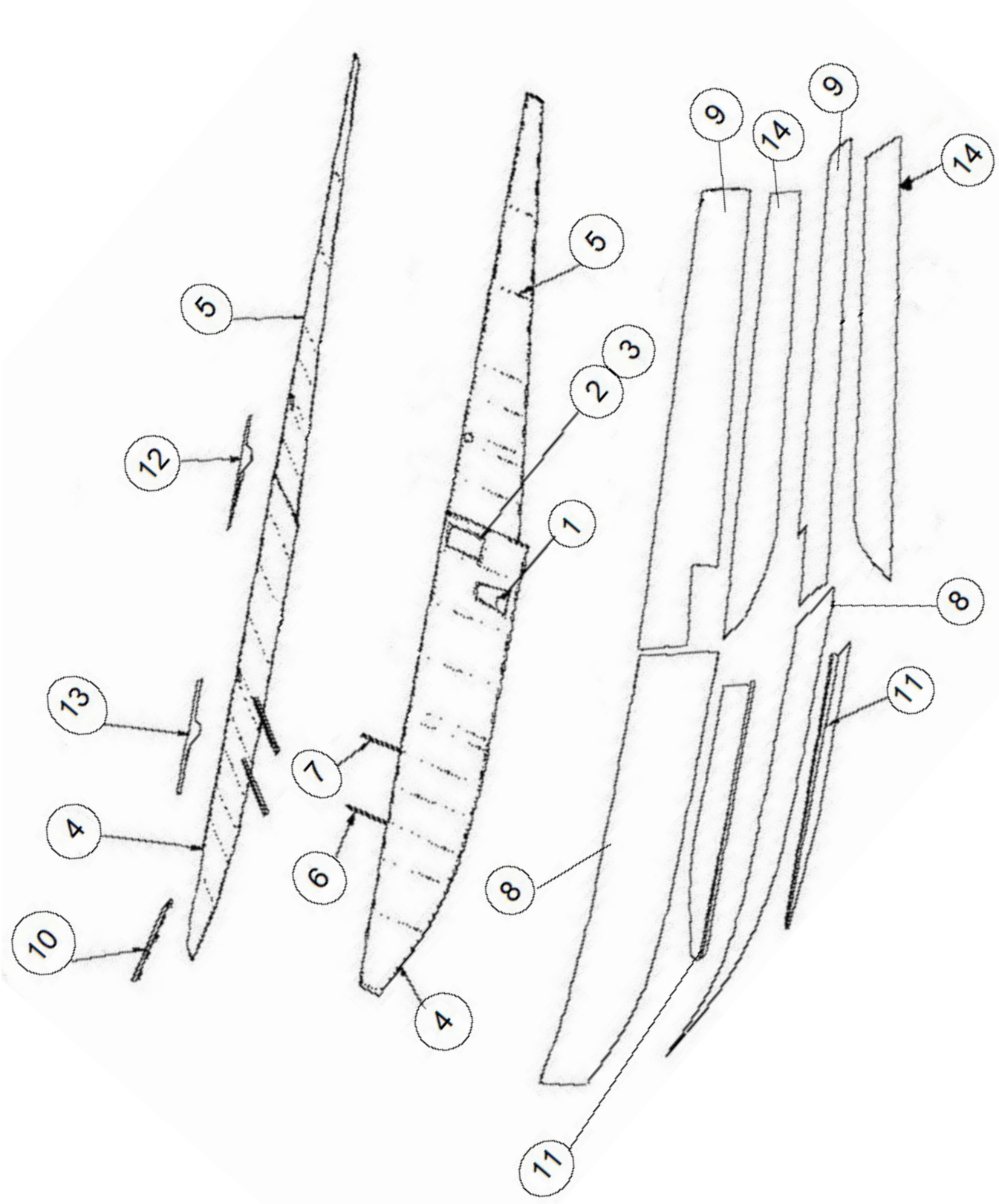
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SECTION 3
SKINS, STIFFENERS, & PADDLE

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SKINS & STIFFENERS - SEAPLANE 39
BOTTOM SKIN ASSEMBLIES 41
LEFT BOTTOM SKIN & STIFFENERS 42
RIGHT BOTTOM SKIN & STIFFENERS 43
CANOE PADDLE 44

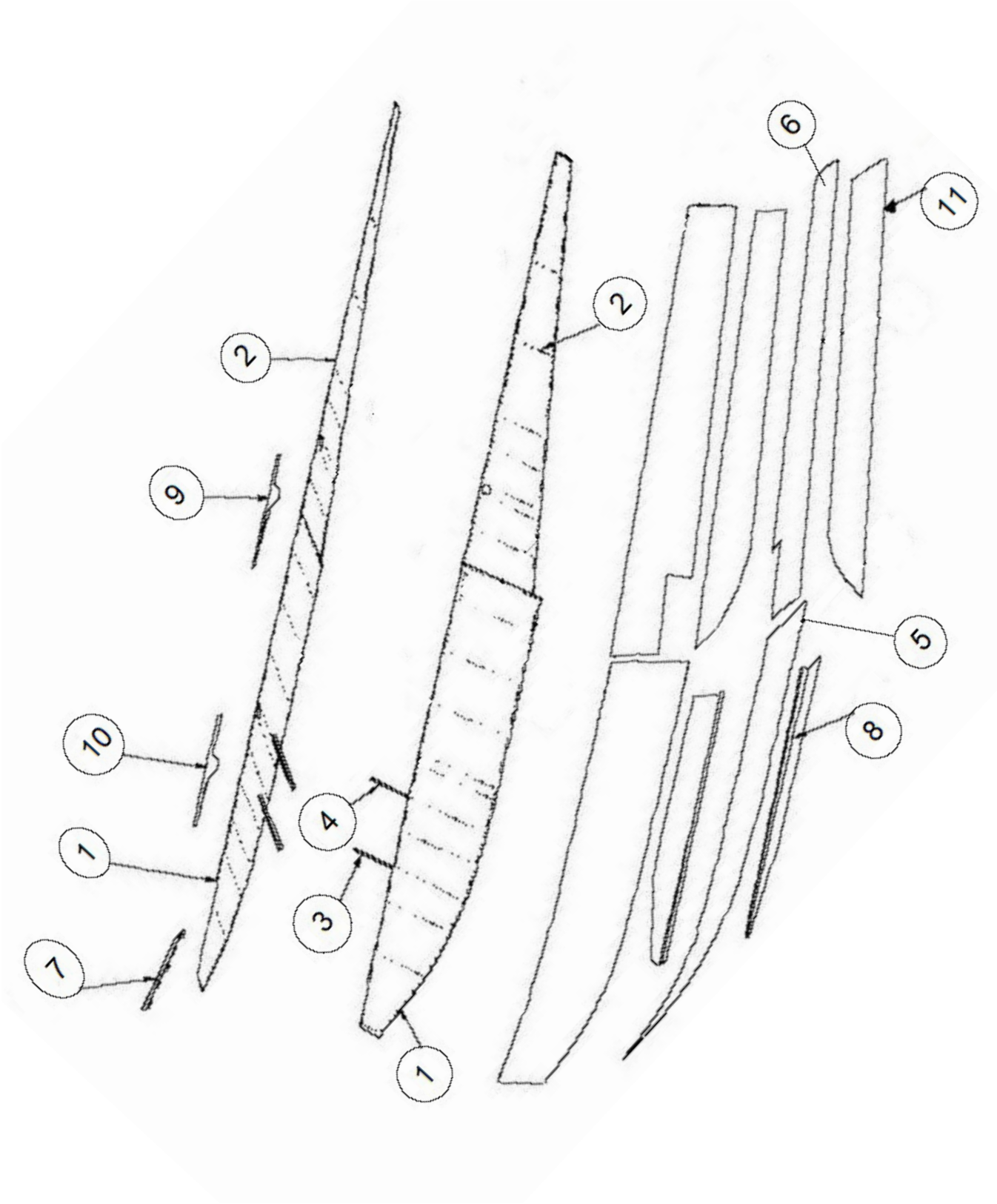
SKINS & STIFFENERS - AMPHIBIAN



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	3A01000-005	STEP – BOARDING
2	2	21A01156-126	REINFORCEMENT – COVER
3	2	21A01000-427	CONVER – INSP. ASSY.
	2	21A01004-101	COVER, WHEEL WELL INSPECTION
	2	21A01567-012	GASKET
	56	AN526-632R6	SCREW TRUSS HEAD, NON STRUCTURAL CAD 1
4	1	21A01004-093	SIDE SKIN – STEP TO BOW L. OUTBR'D
	1	21A01004-094	SIDE SKIN – STEP TO BOW R. OUTBR'D
	1	21A01004-095	SIDE SKIN – STEP TO BOW L. INBR'D
	1	21A01004-096	SIDE SKIN – STEP TO BOW R. INBR'D
5	1	21A01004-097	SIDE SKIN – STEP TO STERN L. OUTBR'D
	1	21A01004-098	SIDE SKIN – STEP TO STERN R. OUTBR'D
	1	21A01004-099	SIDE SKIN – STEP TO STERN L. INBR'D
	1	21A01004-100	SIDE SKIN – STEP TO STERN R. INBR'D
6	2	21A01340-105	STIFFENER – SIDE SKIN
7	2	21A01340-104	STIFFENER – SIDE SKIN
8	1	1011430	ASSEMBLY, SKIN, BOTTOM, FWD, LEFT, 2100
	1	1011410	SKIN, BOTTOM, LH, FWD 2100
	1	1011412	STIFFENER, BOTTOM SKIN, FWD
	1	1011413	STIFFENER, BOTTOM SKIN, FWD
	1	1011414	STIFFENER, BOTTOM SKIN, FWD
	1	1011416	STIFFENER, BOTTOM SKIN, FWD
	1	1011418	STIFFENER, BOTTOM SKIN, FWD
	3	1011420	STIFFENER, BOTTOM SKIN, FWD
	1	1011431	ASSEMBLY, SKIN, BOTTOM, FWD, RIGHT, 2100
	1	1011411	SKIN, BOTTOM, RH, FWD, 2100
	1	1011412	STIFFENER, BOTTOM SKIN, FWD
	1	1011413	STIFFENER, BOTTOM SKIN, FWD
	1	1011415	STIFFENER, BOTTOM SKIN, FWD
	1	1011417	STIFFENER, BOTTOM SKIN, FWD
	1	1011419	STIFFENER, BOTTOM SKIN, FWD
	3	1011421	STIFFENER, BOTTOM SKIN, FWD
9	1	21A01004-103	BOTTOM SKIN AFTERBODY L.
	1	21A01004-104	BOTTOM SKIN AFTERBODY R.
10	1	21A01000-275	ASSY. SPRAY RAIL R.
	1	21A01000-274	ASSY. SPRAY RAIL L.
11	1	21A01150-133	BOOSTER – SISTER KEEL L.
	1	21A01150-132	BOOSTER – SISTER KEEL R.
12	1	21A01162-033	DOUBLER – GUNWALL AFT L.
	1	21A01162-034	DOUBLER – GUNWALL AFT R.
13	1	21A01162-031	DOUBLER – GUNWALL FWD L.

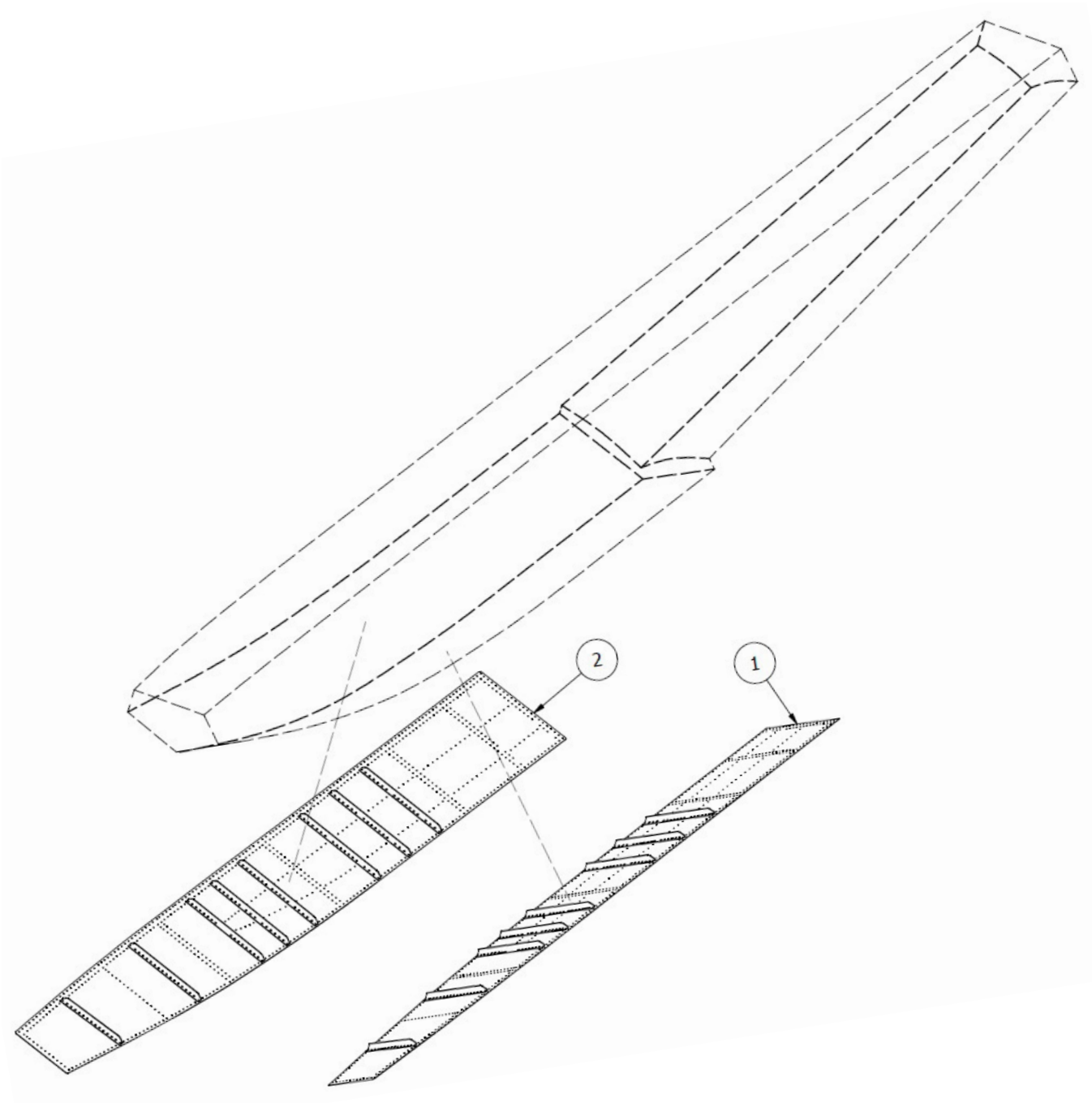
ITEM	QTY	PART NO.	PART DESCRIPTION
	1	21A01162-032	DOUBLER – GUNWALL FWD R.
14	1	1009422	SCALLOP, FOAM, RIGHT, 2100 S/N 21977 AND LATER
	1	1009424	SCALLOP, FOAM, LEFT, 2100 S/N 21977 AND LATER

SKINS & STIFFENERS - SEAPLANE



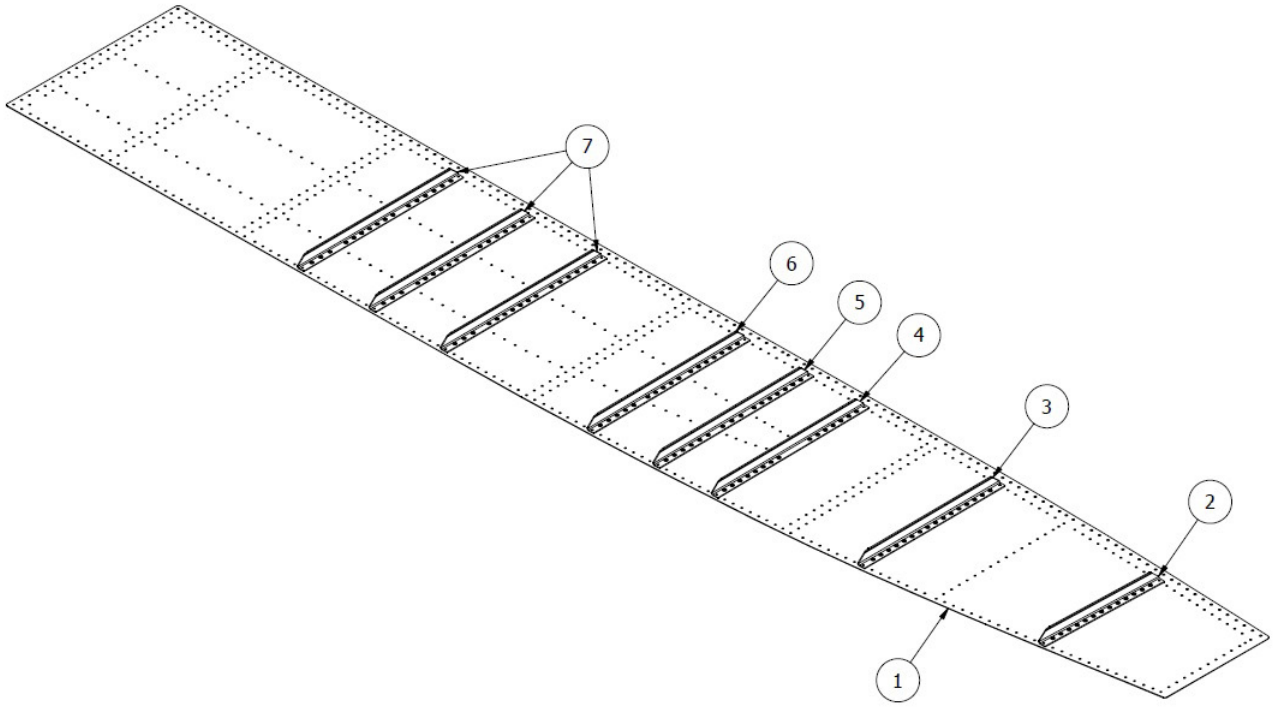
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21S01004-123	SIDE SKIN – STEP TO BOW L. OUTBR'D
	1	21S01004-122	SIDE SKIN – STEP TO BOW R. OUTBR'D
	1	21S01004-125	SIDE SKIN – STEP TO BOW L. INBR'D
	1	21S01004-124	SIDE SKIN – STEP TO BOW R. INBR'D
2	1	21A01004-097	SIDE SKIN – STEP TO STERN L. OUTBR'D
	1	21A01004-098	SIDE SKIN – STEP TO STERN R. OUTBR'D
	1	21A01004-099	SIDE SKIN – STEP TO STERN L. INBR'D
	1	21A01004-100	SIDE SKIN – STEP TO STERN R. INBR'D
3	2	21A01340-105	STIFFENER – SIDE SKIN
4	2	21A01340-104	STIFFENER – SIDE SKIN
5	1	1011430	ASSEMBLY, SKIN, BOTTOM, FWD, LEFT, 2100
	1	1011410	SKIN, BOTTOM, LH, FWD 2100
	1	1011412	STIFFENER, BOTTOM SKIN, FWD
	1	1011413	STIFFENER, BOTTOM SKIN, FWD
	1	1011414	STIFFENER, BOTTOM SKIN, FWD
	1	1011416	STIFFENER, BOTTOM SKIN, FWD
	1	1011418	STIFFENER, BOTTOM SKIN, FWD
	3	1011420	STIFFENER, BOTTOM SKIN, FWD
	1	1011431	ASSEMBLY, SKIN, BOTTOM, FWD, RIGHT, 2100
	1	1011411	SKIN, BOTTOM, RH, FWD, 2100
	1	1011412	STIFFENER, BOTTOM SKIN, FWD
	1	1011413	STIFFENER, BOTTOM SKIN, FWD
	1	1011415	STIFFENER, BOTTOM SKIN, FWD
	1	1011417	STIFFENER, BOTTOM SKIN, FWD
	1	1011419	STIFFENER, BOTTOM SKIN, FWD
	3	1011421	STIFFENER, BOTTOM SKIN, FWD
6	1	21S01004-131	BOTTOM SKIN AFTERBODY L.
	1	21S01004-130	BOTTOM SKIN AFTERBODY R.
7	1	21A01000-275	ASSY. SPRAY RAIL R.
	1	21A01000-274	ASSY. SPRAY RAIL L.
8	1	21A01150-133	BOOSTER – SISTER KEEL L.
	1	21A01150-132	BOOSTER – SISTER KEEL R.
9	1	21A01162-033	DOUBLER – GUNWALL AFT L.
	1	21A01162-034	DOUBLER – GUNWALL AFT R.
10	1	21A01162-031	DOUBLER – GUNWALL FWD L.
	1	21A01162-032	DOUBLER – GUNWALL FWD R.
11	1	1009422	SCALLOP, FOAM, RIGHT, 2100 S/N 21977 AND LATER
	1	1009424	SCALLOP, FOAM, LEFT, 2100 S/N 21977 AND LATER

BOTTOM SKIN ASSEMBLIES



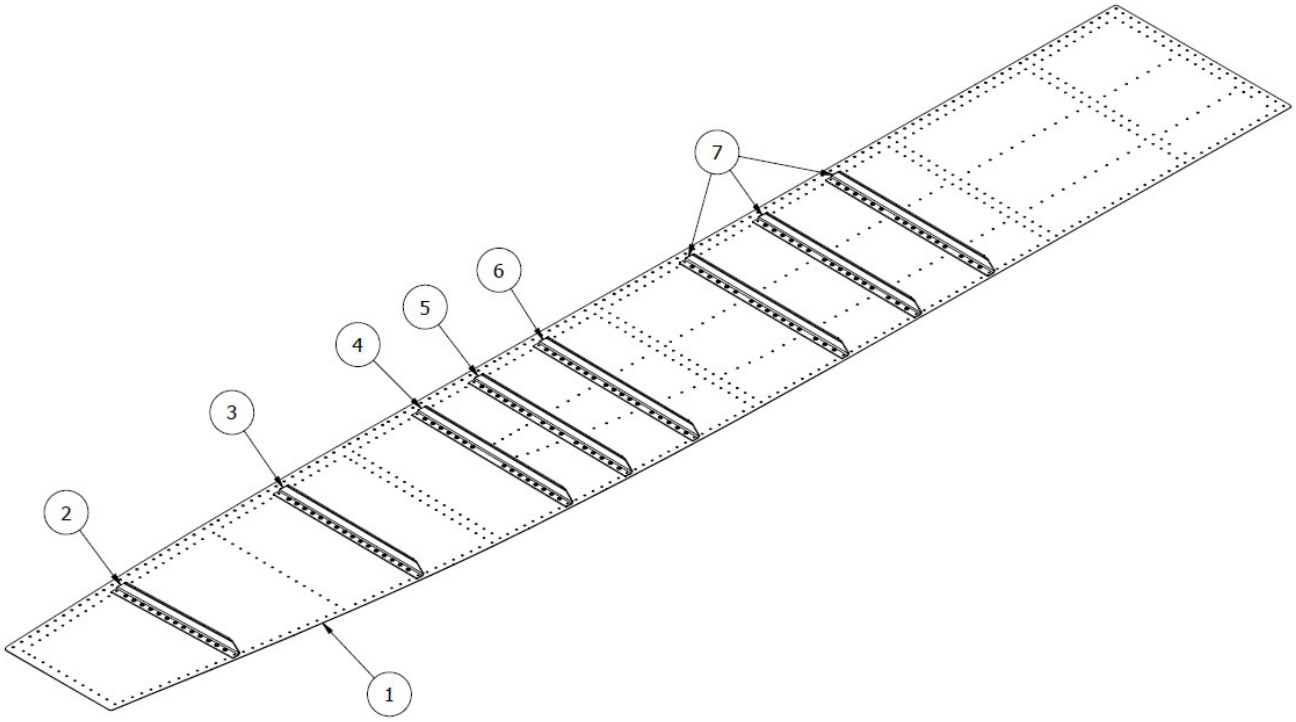
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1011430	ASSEMBLY, SKIN, BOTTOM, FWD, LEFT, 2100
2	1	1011431	ASSEMBLY, SKIN, BOTTOM, FWD, RIGHT, 2100

LEFT BOTTOM SKIN & STIFFENERS



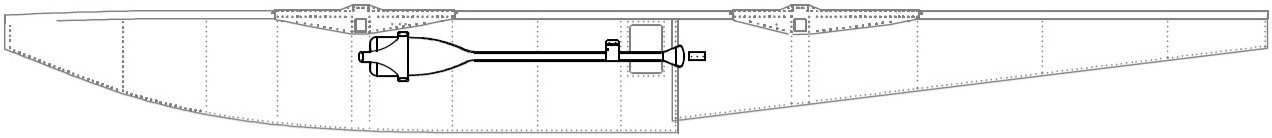
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1011410	SKIN, BOTTOM, LH, FWD 2100
2	1	1011412	STIFFENER, BOTTOM SKIN, FWD
3	1	1011413	STIFFENER, BOTTOM SKIN, FWD
4	1	1011414	STIFFENER, BOTTOM SKIN, FWD
5	1	1011416	STIFFENER, BOTTOM SKIN, FWD
6	1	1011418	STIFFENER, BOTTOM SKIN, FWD
7	3	1011420	STIFFENER, BOTTOM SKIN, FWD

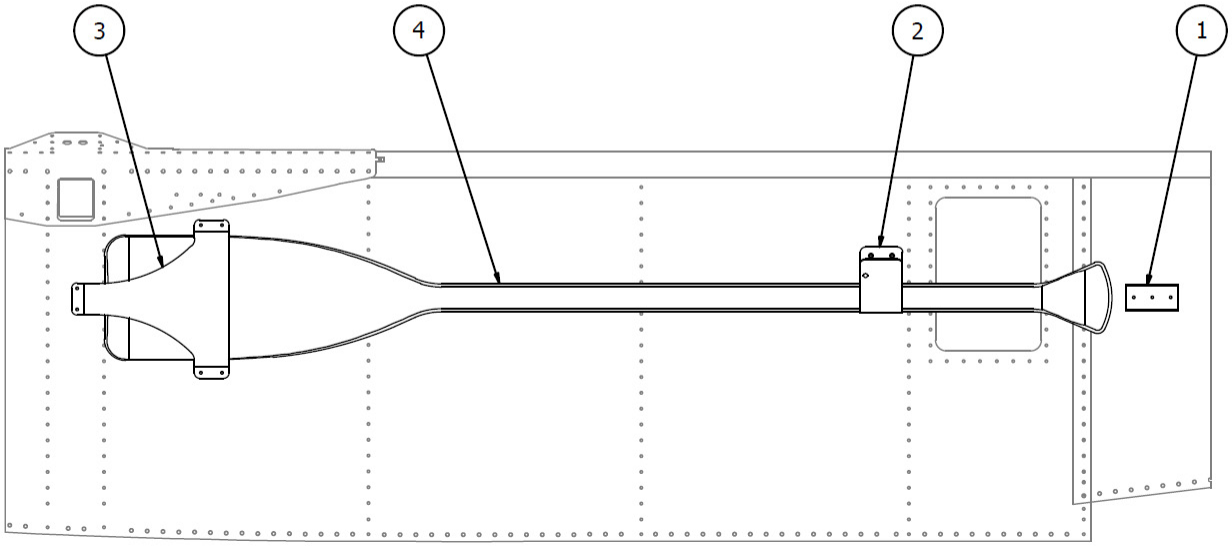
RIGHT BOTTOM SKIN & STIFFENERS



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1011411	SKIN, BOTTOM, RH, FWD, 2100
2	1	1011412	STIFFENER, BOTTOM SKIN, FWD
3	1	1011413	STIFFENER, BOTTOM SKIN, FWD
4	1	1011415	STIFFENER, BOTTOM SKIN, FWD
5	1	1011417	STIFFENER, BOTTOM SKIN, FWD
6	1	1011419	STIFFENER, BOTTOM SKIN, FWD
7	3	1011421	STIFFENER, BOTTOM SKIN, FWD

CANOE PADDLE





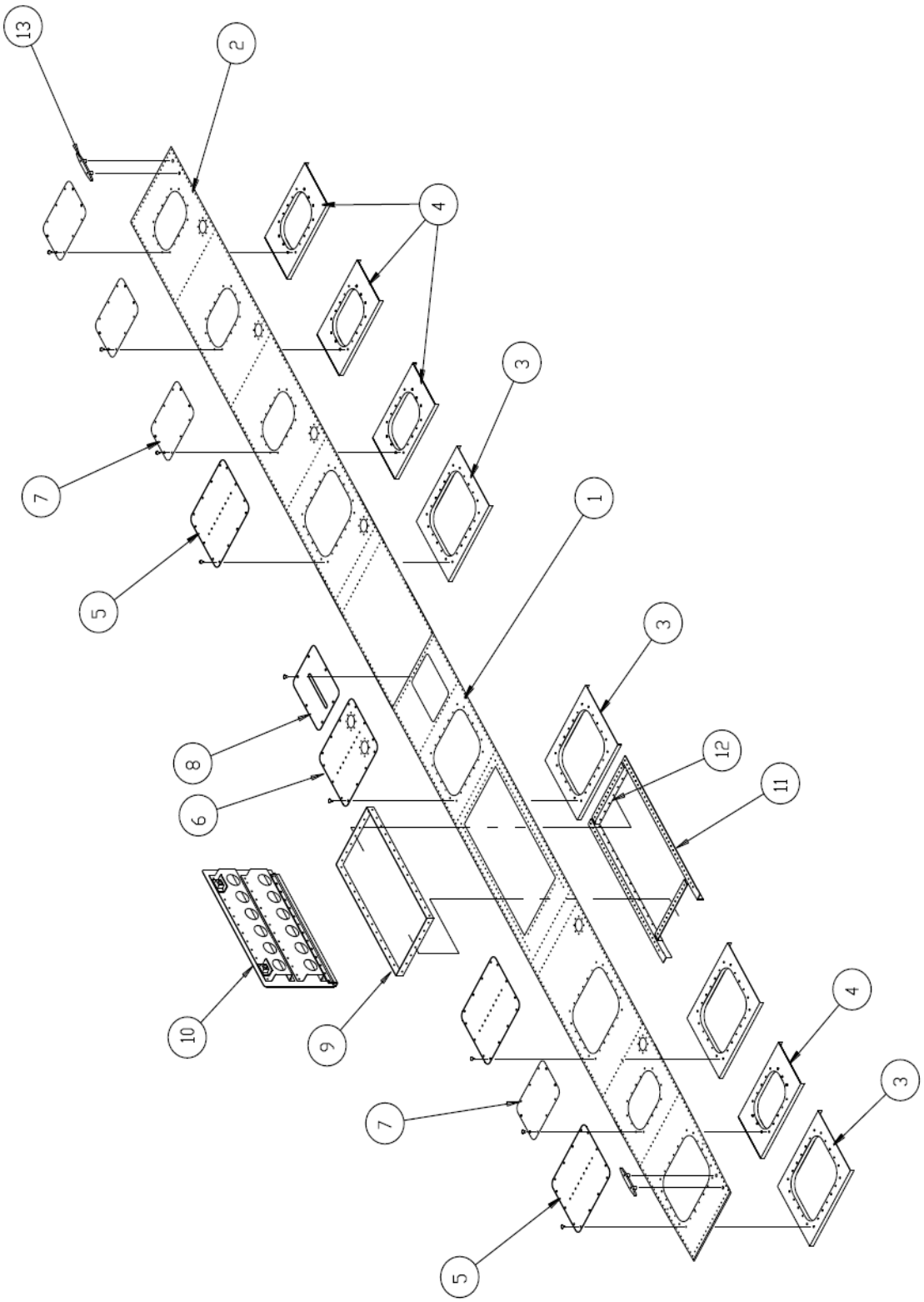
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1005676	BRACKET, CANOE PADDLE STOP
2	1	1005677	CLIP, MOUNTING, CANOE PADDLE
3	1	1005678	BRACKET, CANOE PADDLE
4	1	1012326	CANOE PADDLE, 4.0 FT

SECTION 4
TOP DECK ASSEMBLY

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TOP DECK - SEAPLANE 49

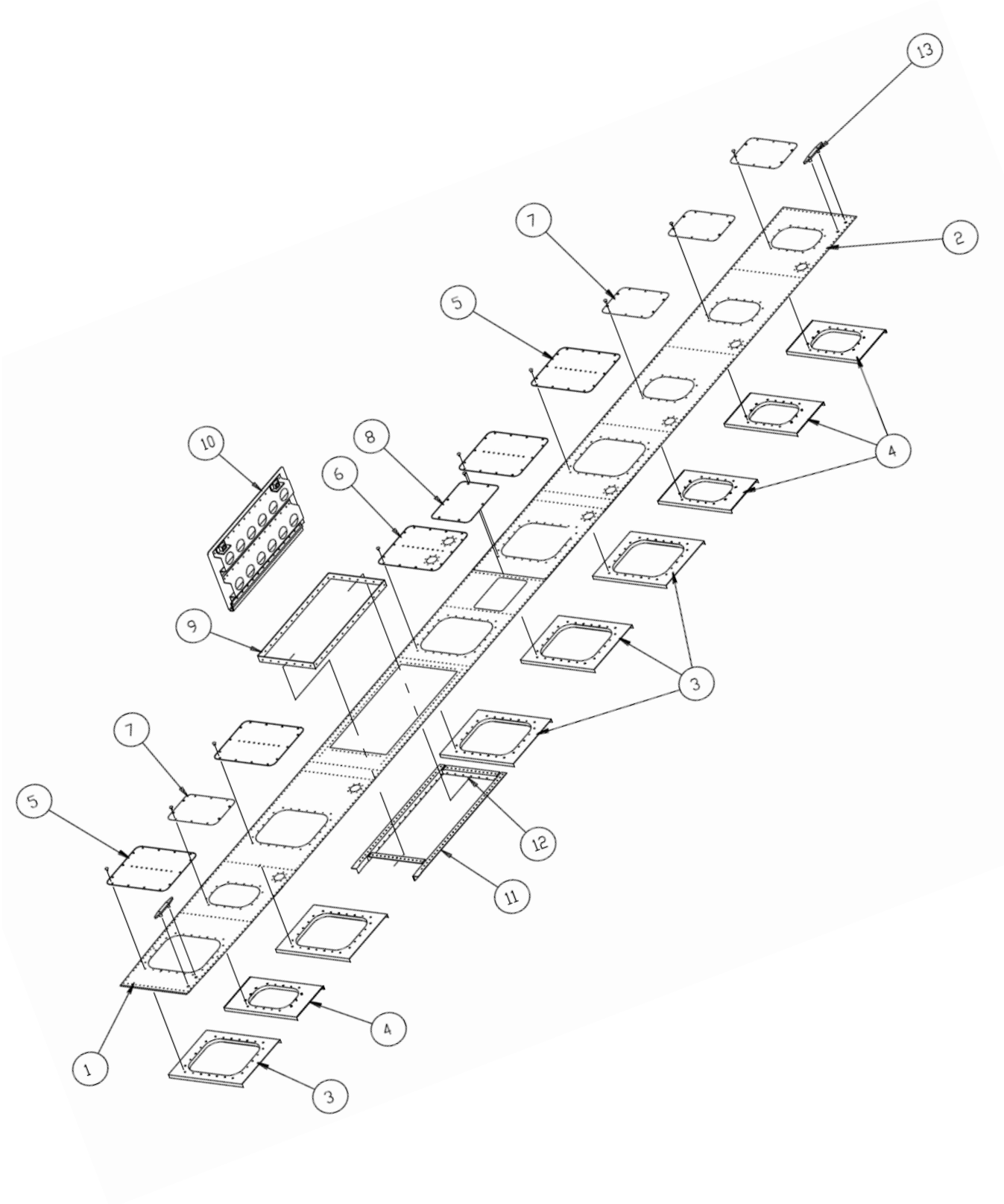
TOP DECK - AMPHIBIAN



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01004-091	SKIN – FWD SECTION L.
	1	21A01004-092	SKIN – FWD SECTION R.
2	1	21A01004-089	SKIN – AFT SECTION L.
	1	21A01004-090	SKIN – AFT SECTION R.
3	4	21A01002-130	SUPPORT – INSP. COVER - LARGE
	A/R	1002481	TINNERMAN WITH TAPE
4	4	21A01002-131	SUPPORT – INSP. COVER – SMALL
	A/R	1002481	TINNERMAN WITH TAPE
5	3	21A01000-258	INSP. COVER ASSY– LARGE – W/ ANGLE & GASKET
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	3	1001437	SEAL – GASKET ONLY (FORMED COVER)
	3	21A01567-001	SEAL – GASKET ONLY (FLAT COVER)
6	1	21A01000-273	INSP. COVER ASSY, LARGE,W/ ANGLE (2 CUPS) & GASKET
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	1	1001437	SEAL – GASKET ONLY (FORMED COVER)
	1	21A01567-001	SEAL – GASKET ONLY (FLAT COVER)
7	4	21A01000-284	INSP. COVER ASSY - SMALL
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	4	1001728	GASKET, ACCESS PANEL
	4	21A01567-002	SEAL – GASKET ONLY (FLAT COVER)
8	1	1009202	COVER, GEAR INDICATOR
	1	1009122	PLACARD, GEAR INDICATOR, RH
	1	1009123	PLACARD, GEAR INDICATOR, LH
	2	2600-3	SCREW – CAM - LOK
	2	1126000-4	STUD, PROTRUDING HEAD
	2	1126000-5	AIR LOC / CAMLOC STUD, PROTRUDING HEAD
	6	212-12	RECEPTACLE – CAM – LOK
9	1	21A01150-131	JAMB – BAGGAGE DOOR
	1	1002067	BAGGAGE JAMB, HINGE SIDE
10	1	21A01000-268	ASSY – BAGGAGE DOOR
	1	21A01162-035	COVER - SKIN
	1	21A01740-008	HINGE, BAGGAGE COVER, 1.5
	1	21A01741-004	HINGE, BAGGAGE COVER, 3/4
	2	21A01010-012	STIFFENER - DOOR
	2	21A01004-106	STIFFENER ENDS
	2	3A01206-001	RETAINER - LOCK
	2	3A01273-004	LOCK PIN
	2	3A01702-001	CATCH – LATCH
	2	3A01525-003	LOCK SPRING
	2	1002663	RING – OPENING
	1	1001438	SEAL – GASKET (NOT SHOWN)

ITEM	QTY	PART NO.	PART DESCRIPTION
	1	1002186	HINGE PIN
	12	01692-0410	RIVET POP
	2	10/32 X ½ SS	BOLT
11	1	21A01326-003	TOP RAIL – BAGGAGE OPENING L.
	1	21A01326-002	TOP RAIL – BAGGAGE OPENING R.
12	2	1013020	CROSS TIE, TOPDECK, BAGGAGE
13	2	21A01203-001	CLEAT – TIE DOWN
	4	21A01280-004	BUSHING
	4	AN525-10R24	SCREW, 10-32 THREAD, 1-3/32" GRIP, 1-1/2" LENGTH
	4	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
	4	NAS1149D0363J	WASHER, 0.203 ID, 0.063 THK, ALUMINUM

TOP DECK - SEAPLANE



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21S01004-135	SKIN – FWD SECTION L.
	1	21S01004-134	SKIN – FWD SECTION R.
2	1	21S01004-137	SKIN – AFT SECTION L.
	1	21S01004-136	SKIN – AFT SECTION R.
3	4	21A01002-130	SUPPORT – INSP. COVER - LARGE
	A/R	1002481	TINNERMAN WITH TAPE
4	5	21A01002-131	SUPPORT – INSP. COVER – SMALL
	A/R	1002481	TINNERMAN WITH TAPE
5	4	21A01000-258	INSP. COVER ASSY – LARGE – W/ ANGLE & GASKET
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	4	1001437	SEAL – GASKET ONLY (FORMED COVER)
	4	21A01567-001	SEAL – GASKET ONLY (FLAT COVER)
6	1	2A01000-273	INSP. COVER – LARGE – ANGLE (2 CUPS) & GASKET
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	1	1001437	SEAL – GASKET ONLY (FORMED COVER)
	1	21A01567-001	SEAL – GASKET ONLY (FLAT COVER)
7	4	21A01000-284	INSP. COVER ASSY- SMALL & GASKET
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	4	1001728	SEAL – GASKET ONLY (FORMED COVER)
	4	21A01567-002	SEAL – GASKET ONLY (FLAT COVER)
8	1	21S01000-399	COVER ASSY & GASKET
	1	1002110	SEAL – GASKET ONLY
	A/R	SS TATP 8 X 5/8	SCREW – ATTACH
	A/R	9A3-671	NUT – TINNERMAN
	2	1013025	CROSSTIE, TOPDECK
9	1	21A01150-131	JAMB – BAGGAGE DOOR
	1	101438	SEAL – GASKET (NOT SHOWN)
	1	1002067	JAMB – HINGE SIDE
10	1	21A01000-268	ASSY – BAGGAGE DOOR
	1	21A01162-035	COVER - SKIN
	1	21A01741-004	HINGE, BAGGAGE COVER, 3/4
	2	21A01010-012	STIFFENER - DOOR
	2	21A01004-106	STIFFENER ENDS
	2	3A01206-001	RETAINER - LOCK
	2	3A01273-004	LOCK PIN
	2	3A01702-001	CATCH – LATCH
	2	3A01525-003	LOCK SPRING
	2	9-0177A221	RING – OPENING
	1	101438	SEAL – GASKET (NOT SHOWN)
11	1	21A01326-003	TOP RAIL – BAGGAGE OPENING L.
	1	21A01326-002	TOP RAIL – BAGGAGE OPENING R.

ITEM	QTY	PART NO.	PART DESCRIPTION
12	2	1013020	CROSS TIE, TOPDECK, BAGGAGE
13	2	21A01203-001	CLEAT – TIE DOWN
	4	21A01280-004	BUSHING
	4	AN525-10R24	SCREW – ATTACH
	4	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
	4	NAS1149D0363J	WASHER, 0.203 ID, 0.063 THK, ALUMINUM

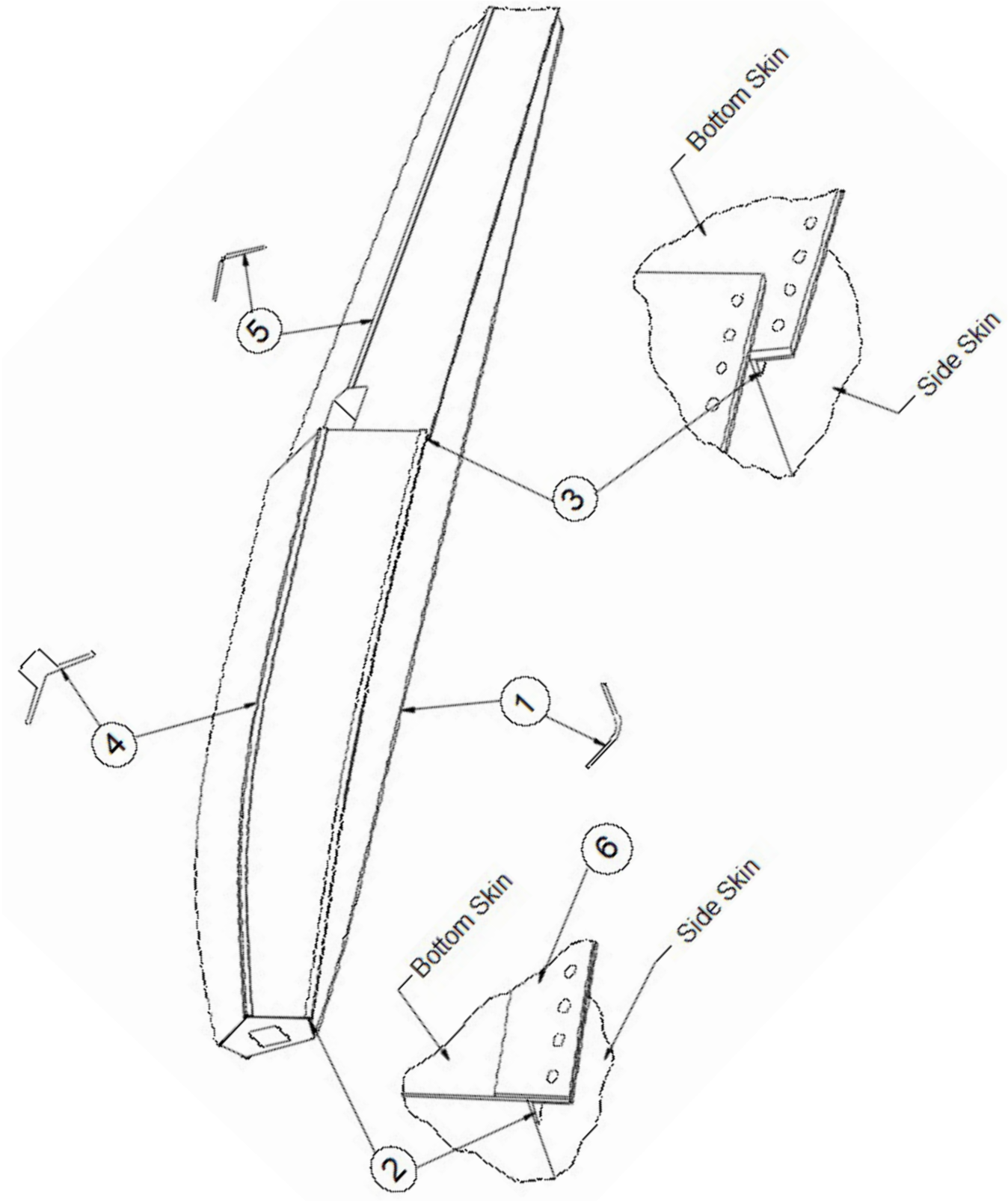
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SECTION 5
EXTRUSIONS

CONTENTS

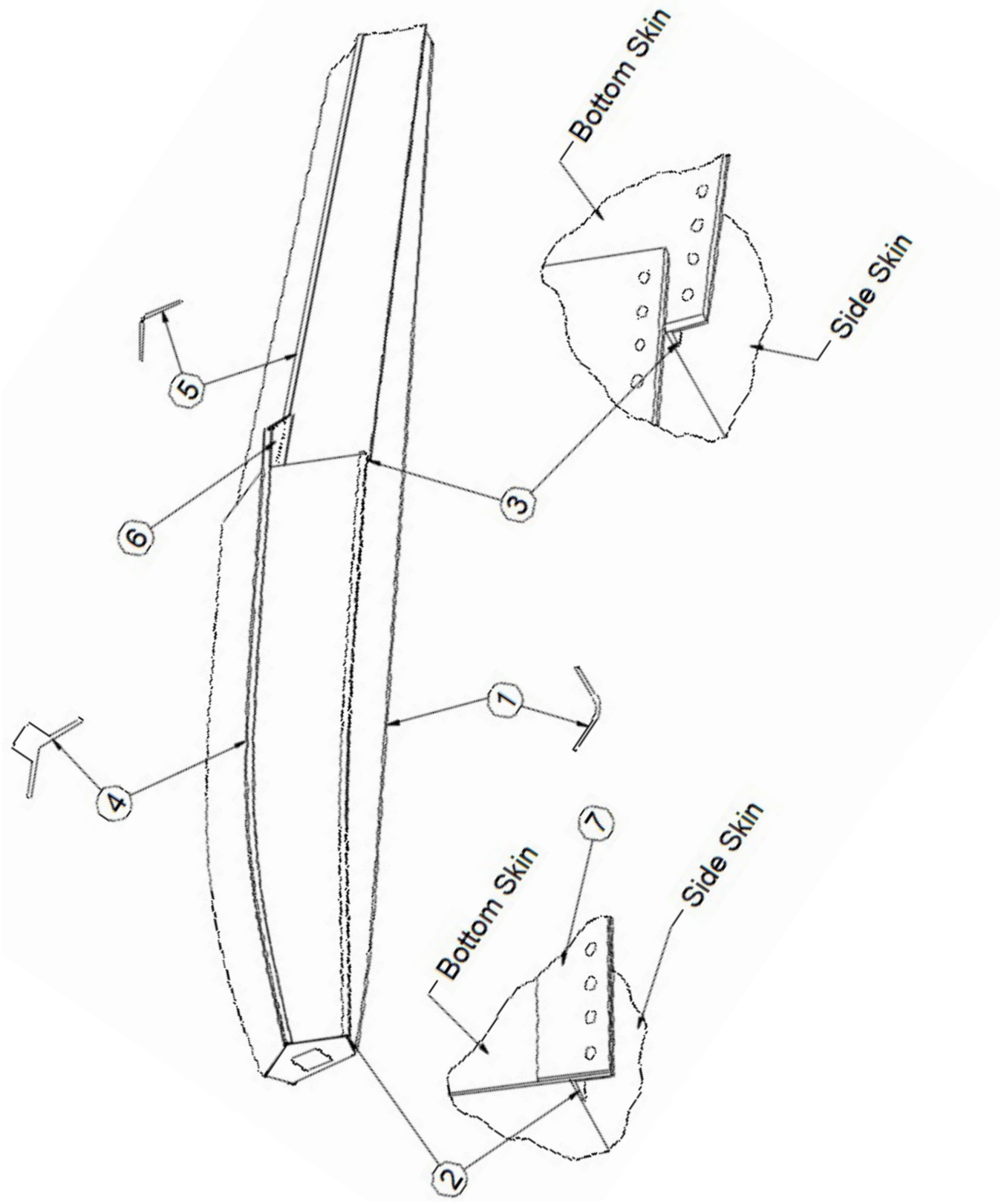
HULL EXTRUSIONS - AMPHIBIAN 54
HULL EXTRUSIONS - SEAPLANE 56

HULL EXTRUSIONS - AMPHIBIAN



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01324-001	GUNWALL – L.
	1	21A01324-002	GUNWALL – R.
2	1	21A01340-109	CHINE - FWD L.
	1	21A01340-108	CHINE – FWD R.
3	1	21A01340-107	CHINE – AFTERBODY L.
	1	21A01340-106	CHINE – AFTERBODY R.
4	1	21A01321-001	KEEL - MAIN
5	1	21A01008-142	KEEL - AFTERBODY
6	1	21A01005-267	STRAP, FORWARD BOTTOM, LEFT
	1	21A01005-268	STRAP, FORWARD BOTTOM, RIGHT

HULL EXTRUSIONS - SEAPLANE



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A01324-001	GUNWALL – L.
	1	21A01324-002	GUNWALL – R.
2	1	21A01340-109	CHINE - FWD L.
	1	21A01340-108	CHINE – FWD R.
3	1	21A01340-107	CHINE – AFTERBODY L.
	1	21A01340-106	CHINE – AFTERBODY R.
4	1	21S01321-004	KEEL - MAIN
5	1	21S01008-172	KEEL - AFTERBODY
6	1	1013018	ASSEMBLY, GUSSET, AFTERBODY, RF
		1013019	ASSEMBLY, GUSSET, AFTERBODY, LF
	1	21S01163-037	ANGLE SUPPORT – AFTERBODY L.
	1	21S01163-038	ANGLE SUPPORT – AFTERBODY R.
7	1	21A01005-267	STRAP, FORWARD BOTTOM, LEFT
	1	21A01005-268	STRAP, FORWARD BOTTOM, RIGHT

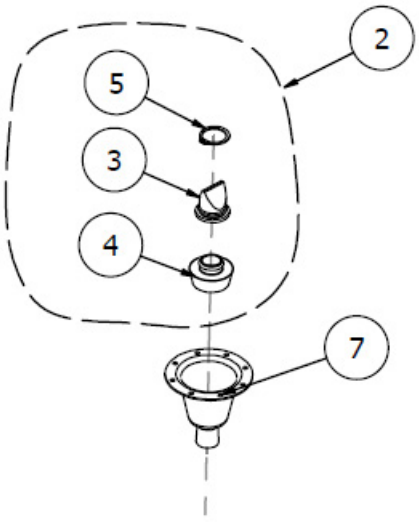
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SECTION 6
PUMPOUT CUP AND TUBE & FLOAT HAND PUMP

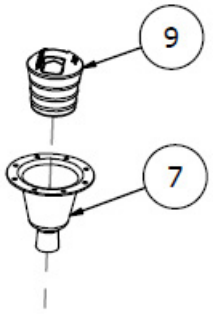
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FLOAT HAND PUMP 62

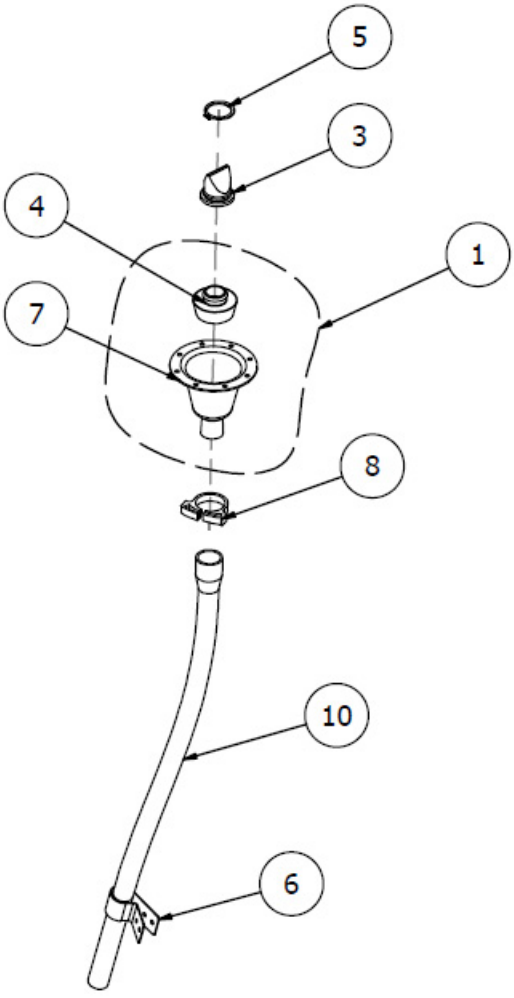
PUMPOUT CUP AND TUBE



DUCKBILL VALVE
RETROFIT



STOPPER



CUP ASSEMBLY
& TUBE

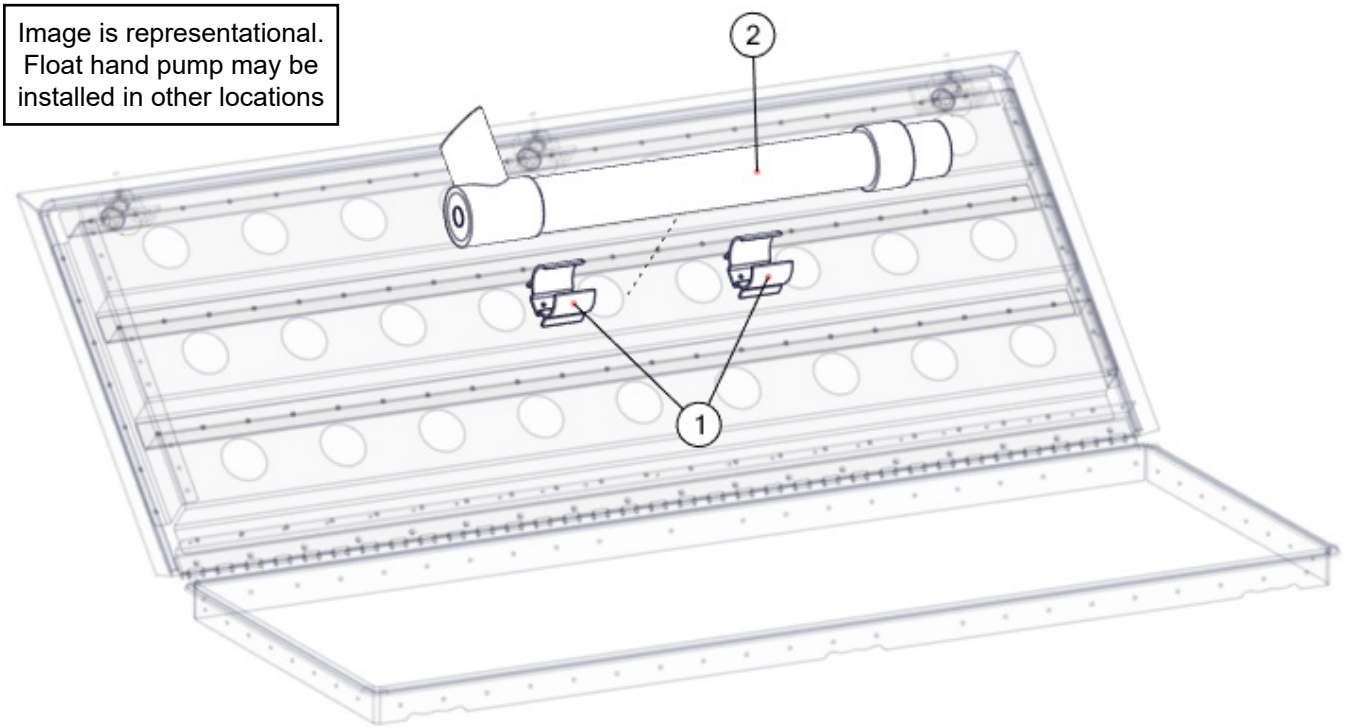
ITEM	QTY	PART NO.	PART DESCRIPTION	NOTE
1	1	1011004	ASSEMBLY, CUP, PUMPOUT, DUCKBILL	
2	1	1011075	KIT, PUMPOUT PLUG, DUCKBILL	1
3	1	1011870	VALVE, DUCKBILL	
4	1	1011808	RETAINER, VALVE, DUCKBILL, PUMPOUT PLUG	
5	1	91590A129	RETAINING RING, EXTERNAL, 13/16 OD, STAINLESS	
6	1	3A01158-003	CLAMP, PUMPOUT TUBE	
7	1	4A01749-001	CUP, PUMPOUT	
8	1	57134	CLAMP	
9	1	2111	STOPPER, PUMPOUT, LAKE AND AIR	2
10	A/R	RM618	TUBE, 5/8 OD, 1/2 ID	3
	10.5 IN	RM618	PUMPOUT TUBE	
	12.5 IN	RM618	PUMPOUT TUBE	
	15 IN	RM618	PUMPOUT TUBE	
	17.5 IN	RM618	PUMPOUT TUBE	
	23 IN	RM618	PUMPOUT TUBE	
	21.5 IN	RM618	PUMPOUT TUBE	
	18.5 IN	RM618	PUMPOUT TUBE	

NOTES:

1. Parts kit that requires RTV adhesive, see service letter 240 for instructions.
2. Not compatible with 1011004.
3. Length in feet as required, see tube table for individual lengths.

FLOAT HAND PUMP

Image is representational. Float hand pump may be installed in other locations



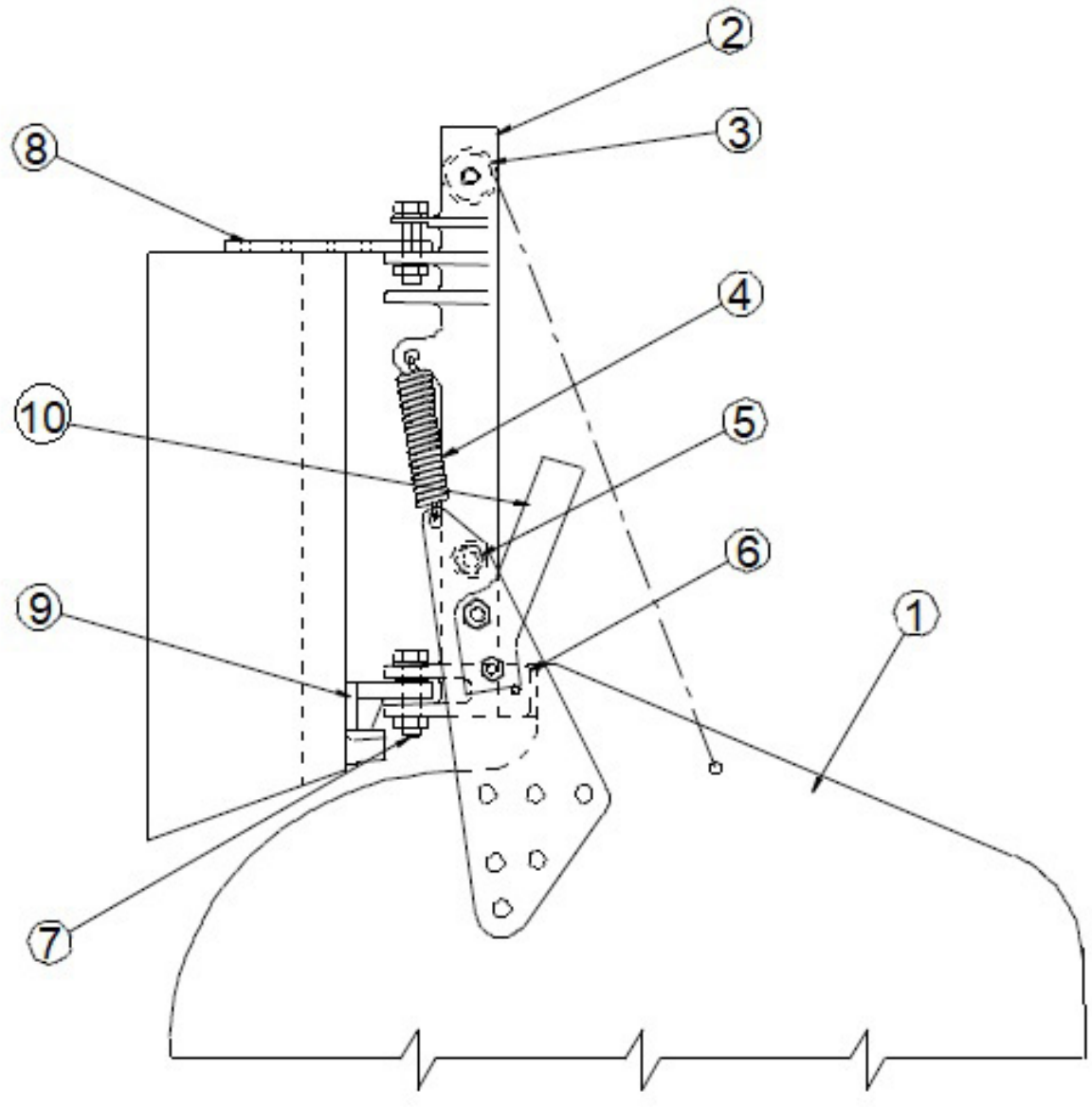
ITEM	QTY	PART NO.	PART DESCRIPTION
1	2	CM-2	CLIP, PLASTIC, PUMPOUT (SCREWS INCLUDED, MAY BE RIVETED IN)
2	1	F15PX	PUMP, HAND, FLOAT, 15"
2 (ALT)	1	F24PX	PUMP, HAND, FLOAT, 24"
2 (ALT)	1	F36PX	PUMP, HAND, FLOAT, 36"

SECTION 7
WATER RUDDER & RETRACT HANDLE

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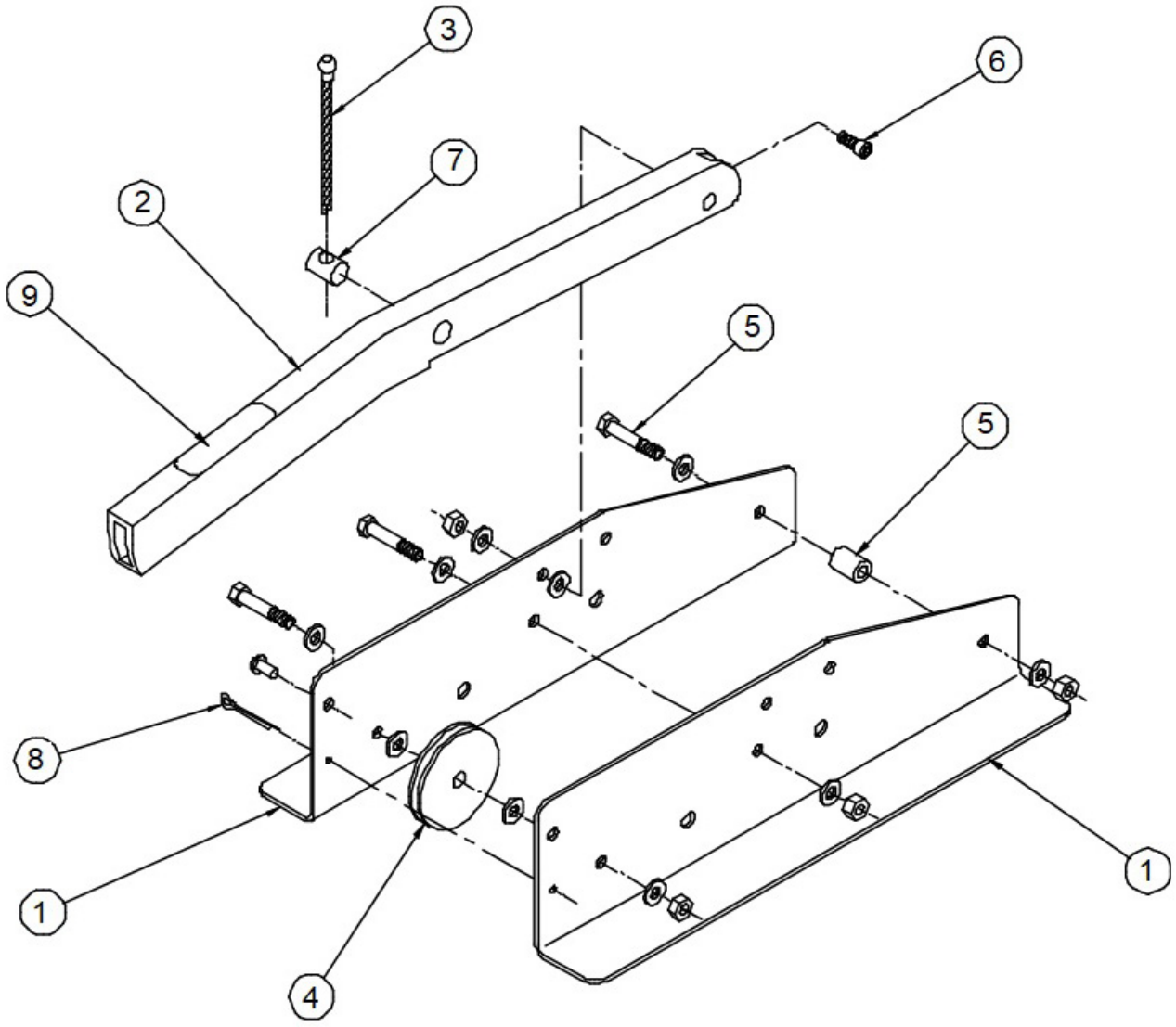
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RETRACT HANDLE ASSEMBLY 66

WATER RUDDER INSTALLATION



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A08000-123	ASSY. - BLADE
	1	21A08017-006	BLADE
	1	21A08019-001	ARM L.
	1	21A08019-002	ARM R.
2	1	21A08000-152	ASSY. - POST – WATER RUDDER
	1	21A08442-001	POST – WATER RUDDER
3	1	21A08602-009	GUIDE - RETRACT
	1	5/16 X 1-1/2	PIN – ATTACH
4	2	21A08525-006	SPRING
5	1	AN5-26A	BOLT, 5/16-24, 2.3125 GRIP, UNDRILLED, STEEL
	1	NAS1149D0516J	WASHER, 0.328 ID, 0.016 THK, ALUMINUM
	1	MS21083N5	NUT, LOCKING, LOW HEIGHT, 5/16-24 UNF
6	1	21A08648-002	BUMPER – DOWN STOP
	1	1001457	ROLL PIN
7	2	AN5-12A	BOLT, SIZE 5/16-24, LENGTH 1/64 - 1-11/32, GRIP LENGTH 13/16
	4	NAS1149D0516J	WASHER, 0.328 ID, 0.016 THK, ALUMINUM
	2	MS21083N5	NUT, LOCKING, LOW HEIGHT, 5/16-24 UNF
8	1	21A01000-299	ASSY. – TOP BEARING
	1	21A01019-003	PLATE
	1	21A01705-003	BEARING
9	1	21A08000-157	ASSY. – LOWER BEARING
	1	21A08318-002	BRACKET
	1	05DU06	BEARING
10	2	21A08154-009	STOP
	2	AN4-7A	BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL
	2	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
	2	AN3-7A	BOLT, 10-32, 0.5 GRIP, UNDRILLED, STEEL
	2	NAS1149D0363J	WASHER, 0.203 ID, 0.063 THK, ALUMINUM
	2	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF

RETRACT HANDLE ASSEMBLY



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A08000-128	ASSY. – RETRACT HANDLE
	1	3A08003-015	BRACKET SIDE L.
	1	3A08003-016	BRACKET SIDE R.
2	1	3A08414-001	HANDLE
3	1	21A08000-137	CABLE ASSY.
4	1	MS20219-2	PULLEY
	1	AN4-10A	BOLT, 1/4-28, 0.5625 GRIP, UNDRILLED, STEEL
	2	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
	1	NAS679A4W	KAYNAR NUT
5	2	AN3-10A	BOLT, 10-32, 0.625 GRIP, UNDRILLED, STEEL
	2	3A08613-001	BUSHING – PLASTIC
	4	NAS1149D0316J	WASHER, 0.203 ID, 0.016 THK, ALUMINUM
	2	NAS679A3W	KAYNAR NUT
6	2	3A08702-006	PIN PIVOT
	2	NAS1149D0316J	WASHER, 0.203 ID, 0.016 THK, ALUMINUM
	2	NAS679A3W	KAYNAR NUT
7	1	4A08506-002	SWIVEL
8	1	MS24665-285	PIN – COTTER
9	1	3A3-1115-2	PLACARD – DOWN
	1	3A3-1115-3	PLACARD – UP
	1	3A3-1115-1	PLACARD – WATER RUDDER CONTROL

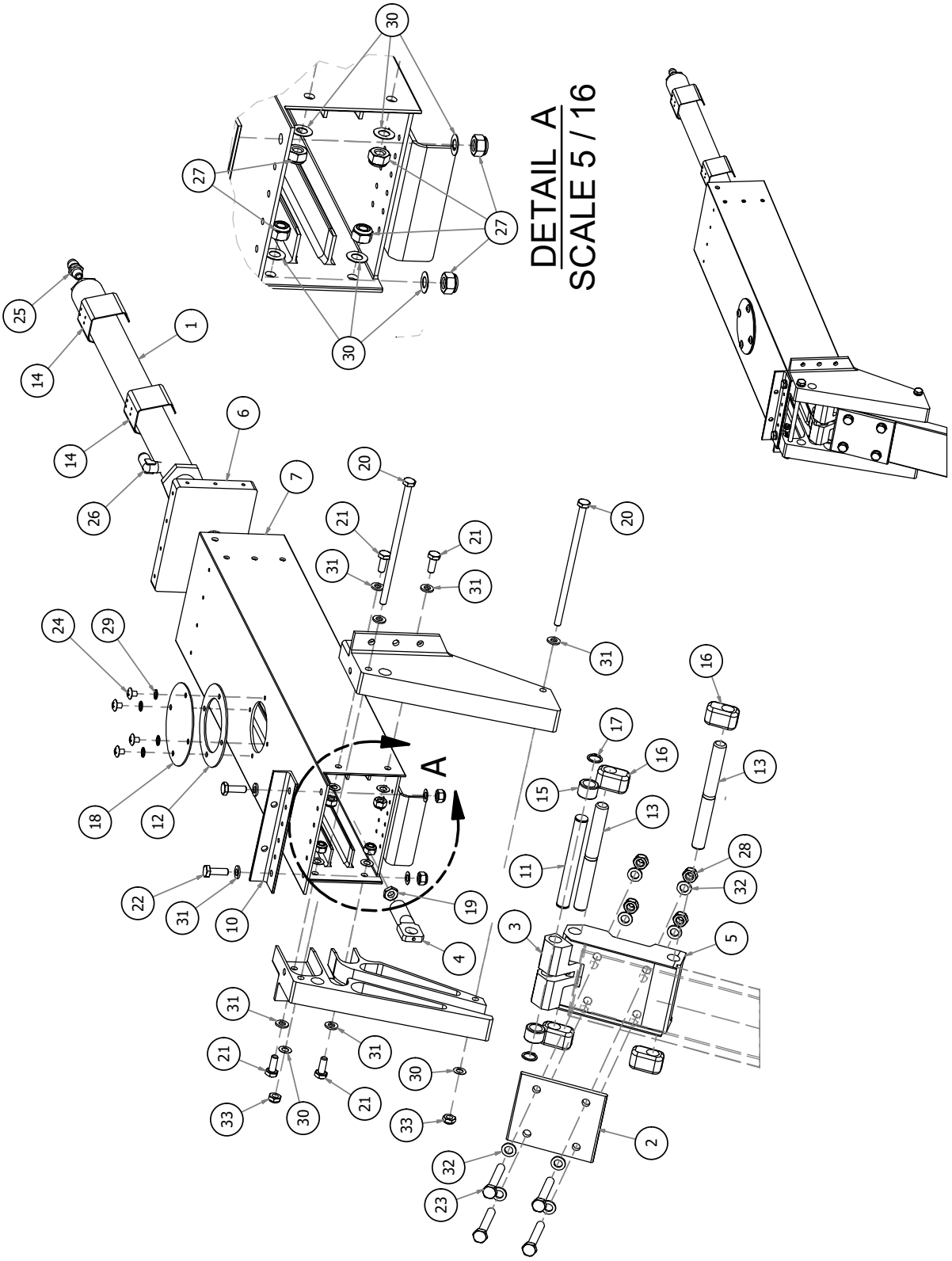
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SECTION 8
LANDING GEAR

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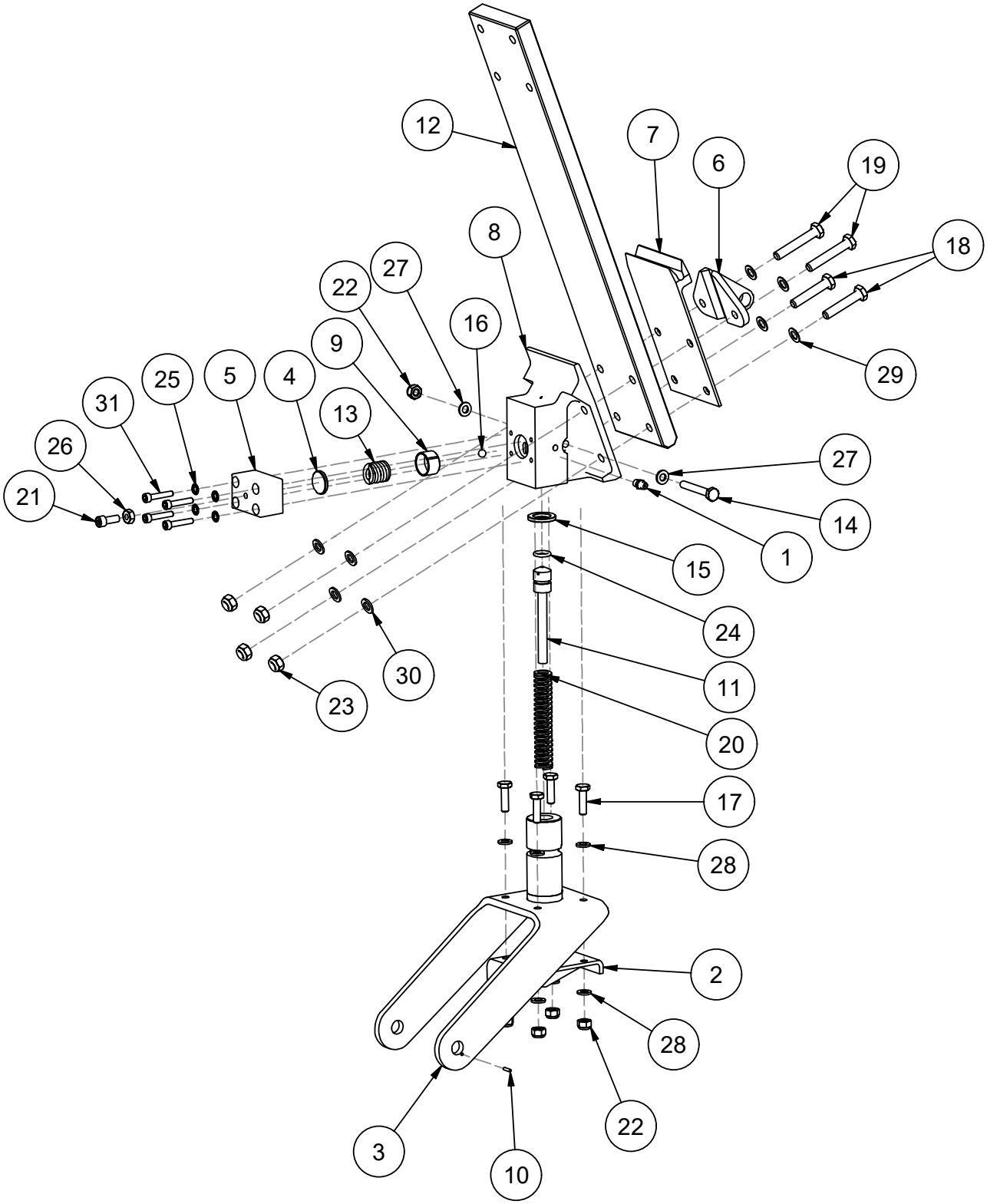
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NOSE GEAR RETRACTION ASSEMBLY



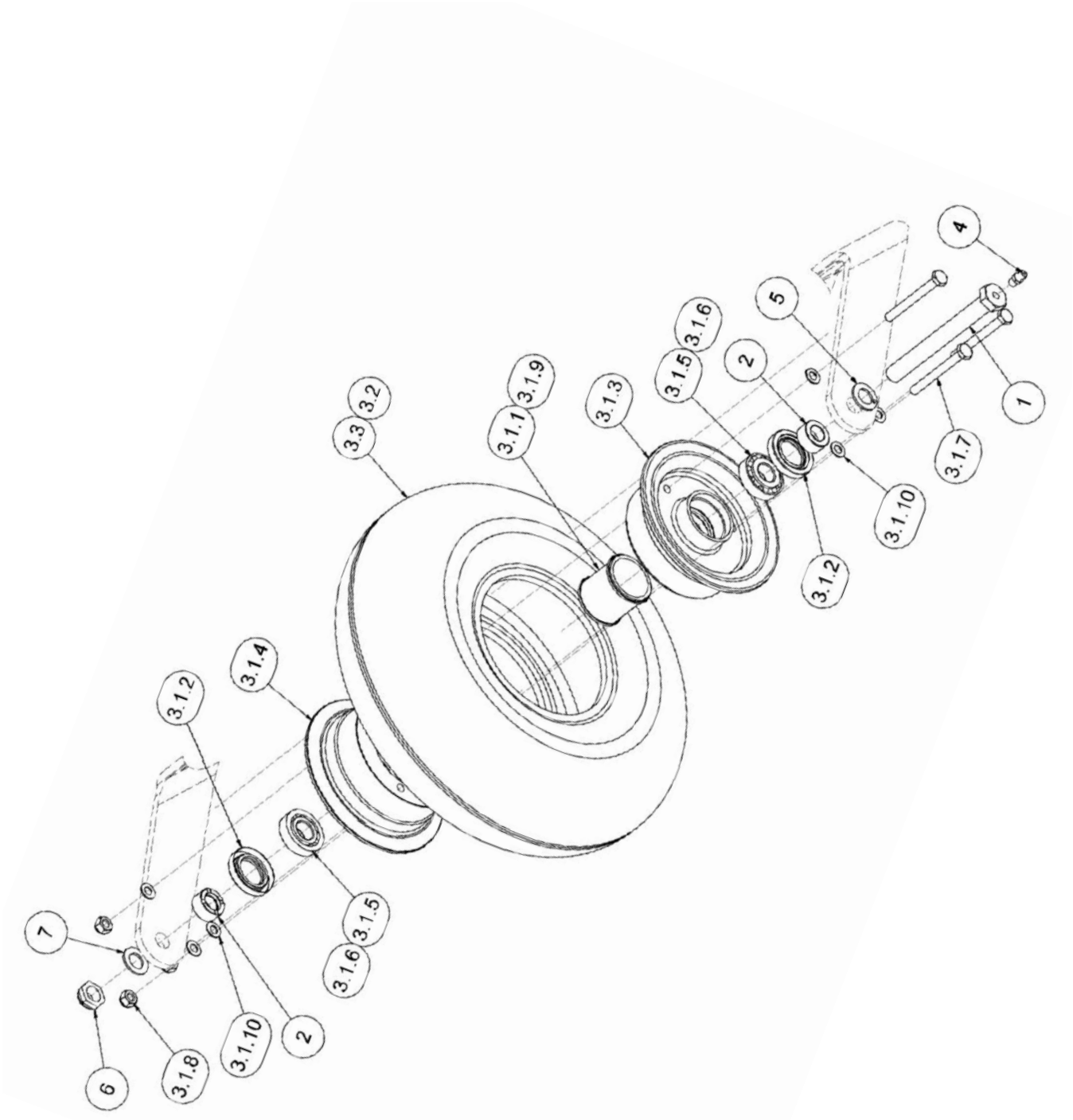
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1002571	CYLINDER, NOSE GEAR, 2100/2350
2	1	21A06166-001	PLATE - BEARING, NOSE SPRING
	2	21A09005-262	CLIP-MAGNETIC INDICATOR (NOT SHOWN)
	2	5801	PROXIMITY SWITCH (NOT SHOWN)
	4	MS24693-S6	SCREW, COUNTERSUNK , 4-40 UNC, 0.5 LG (NOT SHOWN)
3	1	21A07032-005	LINK - TROLLEY, NOSE GEAR
4	1	21A07094-002	END - ROD, CYLINDER, NOSE GEAR
5	1	21A07187-009	TROLLEY - NOSE GEAR
6	1	21A07237-002	END CAP, NOSE BOX
7	1	21A07323-001	BOX, NOSE GEAR
8	1	21A07349-003	END, NOSE BOX, TRACK
9	1	21A07349-004	END, NOSE BOX, TRACK
10	1	21A07359-194	EXTRUSION, ANGLE
11	1	21A07509-007	AXLE, TROLLEY LINK
12	1	30A07567-011	GASKET, COVER, NOSE BOX, 2100 AND 3000
13	2	34A07509-008	AXLE, TROLLEY
14	2	3A07005-178	CLIP, SWITCH, NOSE & MAIN
15	2	3A07530-001	BEARING - TROLLEY, NOSE GEAR
16	4	3A07604-001	BLOCK, SLIDE, TROLLEY, NOSE GEAR
17	2	5100-46-H	SNAP RING
18	1	8A01008-080	COVER, BULKHEAD HYD CYL. HOLE
19	1	AN316-5R	NUT JAM, HEXAGON, 5/16-24 THREAD, RIGHT
20	2	AN4-53A	BOLT, 1/4-28, 4.9375197 GRIP, UNDRILLED, STEEL
21	4	AN4-5A	BOLT, 1/4-28, 0.1875 GRIP, UNDRILLED, STEEL
22	2	AN4-6A	BOLT, 1/4-28, 0.3125 GRIP, UNDRILLED, STEEL
23	4	AN5-20A	BOLT, 5/16-24, 1.5625 GRIP, UNDRILLED, STEEL
24	4	AN526-1032R4	SCREW, MACHINE, TRUSS HEAD
25	1	AN816-4D	NIPPLE, FLARED TUBE AND PIPE THREAD
26	1	MS20822-4D	ELBOW
27	6	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
28	4	MS21044N5	NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF
29	4	MS35333-39	STAR WASHER
30	8	NAS1149D0416J	WASHER, 0.265 ID, 0.016 THK, ALUMINUM
31	8	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
32	8	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL
33	2	NAS679-A4W	KAYNAR NUT

NOSE GEAR LOWER ASSEMBLY



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1095K41	COMMON GREASEZERK
2	1	21A06000-020	WELDMENT, PIVOT SHAFT, NOSE GEAR
3	1	21A06020-001	FORK, NOSE GEAR (2100)
4	1	21A06160-053	PRESSURE PLATE
5	1	21A06194-005	BLOCK - SPRING
6	1	21A06213-006	TOW HOOK NOSE GEAR
7	1	21A06237-001	BEARING PLATE, LOWER, NOSE GEAR
8	1	21A06318-005	BLOCK - PIVOT, NOSE GEAR
9	1	21A06475-006	FRICTION CUP
10	1	21A06476-003	PIN, ANTIROTATION
11	1	21A06605-002	PLUNGER- NOSE WHEEL, 21, 23, 3, 34
12	1	21A06653-001	SPRING NOSE GEAR
13	1	21A06705-005	PRESSURE SPRING
14	1	30A06702-016	BOLT, MODIFIED, PIVOT BLOCK
15	1	3A06602-001	THRUST WASHER
16	1	9528K15	1/4" CHROME BALL BEARING
17	4	AN4-7A	BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL
18	2	AN5-14A	BOLT, 5/16-24, 1.0625 GRIP, UNDRILLED, STEEL
19	2	AN5-16A	BOLT, 5/16-24, 1.3125 GRIP, UNDRILLED, STEEL
20	1	M62-350	SPRING
21	1	MS16997-60	SOCKET HEAD CAP SCREW
22	5	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
23	4	MS21044N5	NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF
24	1	MS28775-111	"O" RING, HYDRAULIC
25	4	MS35333-39	STAR WASHER
26	1	MS35649-2252	NUT, PLAIN, HEXAGON, 1/4-20 UNC, STEEL
27	2	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
28	8	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
29	4	NAS1149F0532P	WASHER, 0.328 ID, 0.032 THK, STEEL
30	4	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL
31	4	NAS1352-316P	SOCKET HEAD CAP SCREW
32	1	21A06166-001	PLATE – BEARING, NOSE SPRING (NOT SHOWN)
	4	AN5-20A	BOLT, 5/16-24, 1.5625 GRIP, UNDRILLED, STEEL (NOT SHOWN)
	4	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL (NOT SHOWN)
	4	MS21044N5	NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF (NOT SHOWN)

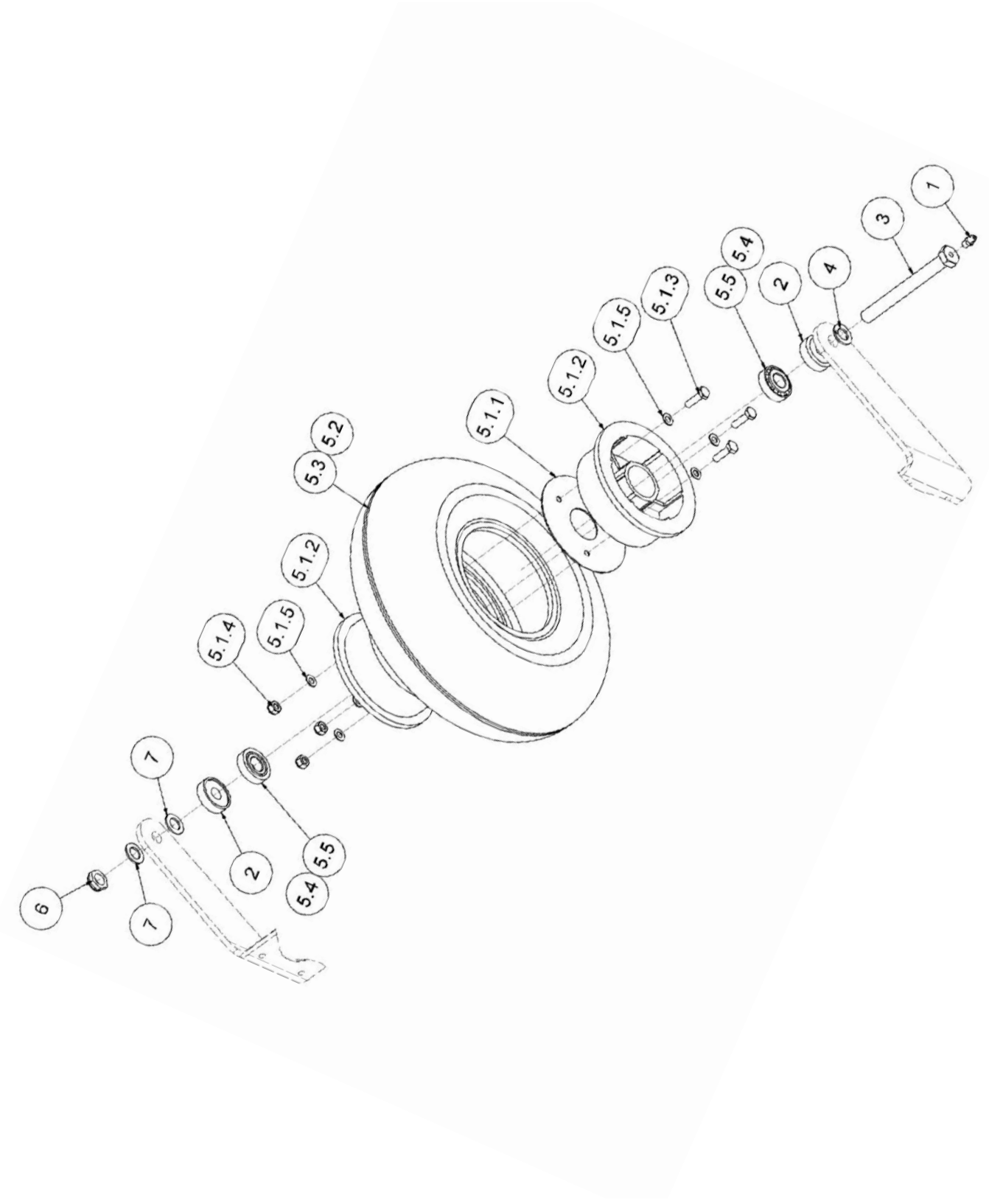
NOSE WHEEL ASSEMBLY (GROVE)



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1005927	BOLT, AXLE, NOSE GEAR
2	2	1005929	SPACER
3	1	1005931	ASSEMBLY, NOSE WHEEL
3.1	1	49-12AF-001	ASSEMBLY, WHEEL, GROVE
3.1.1	1	010-019	GREASE RETAINER
3.1.2	2	471570	SEAL, TIMKEN (EQUIVALENT TO GROVE OEM P/N 010-026)
3.1.3	1	015-020A	WHEEL HALF INNER
3.1.4	1	016-020AF	WHEEL HALF OUTER
3.1.5	2	A4050	BEARING CORE
3.1.6	2	A4138	BEARING CONE
3.1.7	3	AN4-23A	BOLT, 1/4-28, 1.9375 GRIP, UNDRILLED, STEEL
3.1.8	3	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
3.1.9	2	MS28775-029	O RING, I.D 1.489, O.D. 1.629. .070 THICK
3.1.10	6	NAS1149F0416	WASHER, 0.265 ID, 0.016 THK, STEEL
3.2	1	XA1AA*	INNER TUBE, 2.80 X 4
3.3	1	AD1A2*	TIRE, 2.50 / 2.80 - 4
4	1	1095K41	COMMON GREASEZERK
5	1	3A06702-003	MODIFIED WASHER
6	1	MS21083N8	NUT, 1/2-20 THREAD, LOW HEIGHT, NYLON INSERT, 250 DEG.
7	1	NAS1149D0863J	WASHER, 0.515 ID, 0.063 THK, ALUMINUM

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

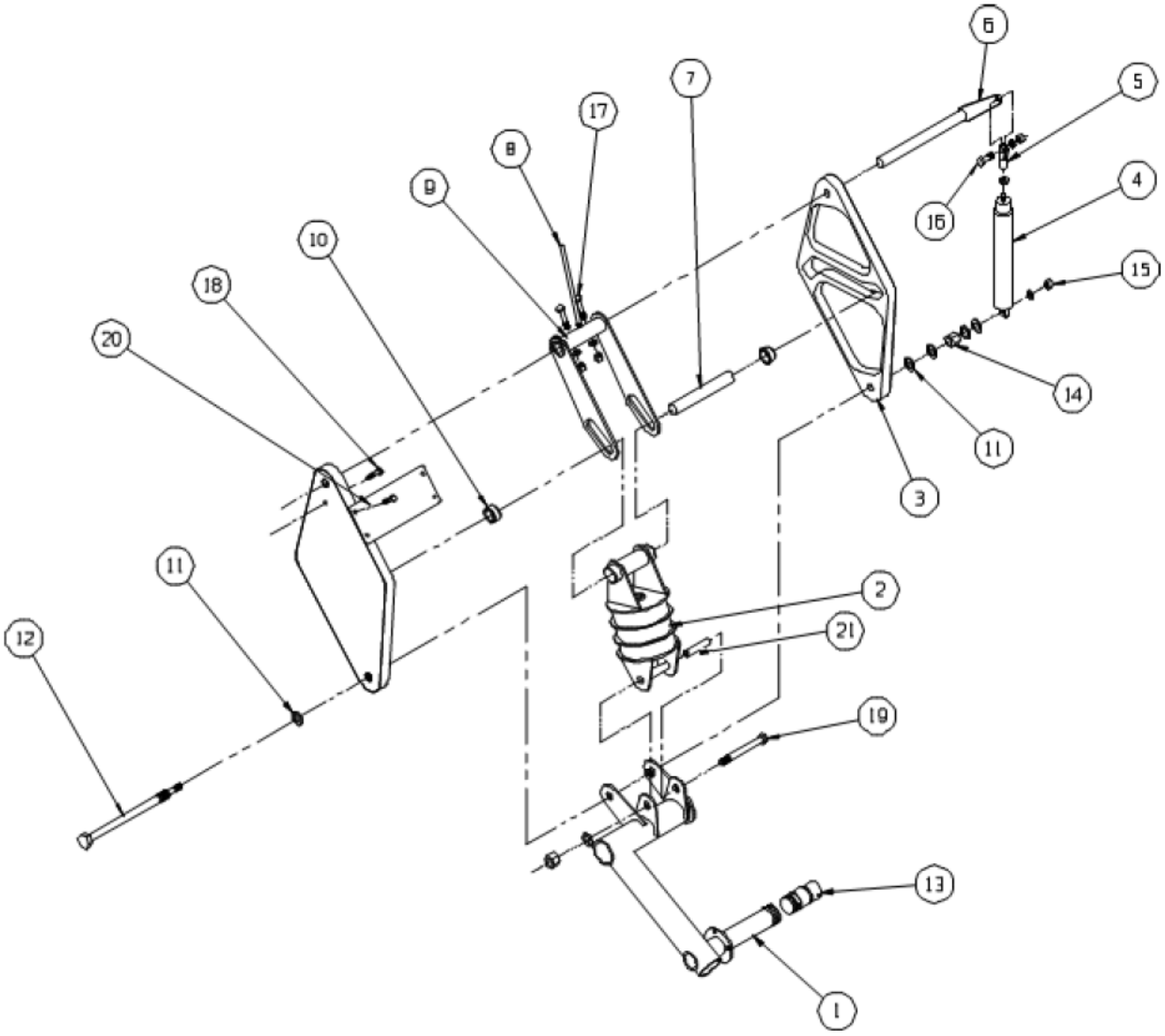
NOSE WHEEL ASSEMBLY (PARKER)



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1095K41	COMMON GREASEZERK
2	2	3A06259-001	SPACER
3	1	3A06702-002	BOLT, MODIFIED, AXLE, NOSE GEAR
4	1	3A06702-003	MODIFIED WASHER
5	1	21A06000-021	NOSE WHEEL ASSEMBLY
5.1	1	D-30380	PARKER WHEEL ASSEMBLY
5.1.1	1	068-30373	GASKET
5.1.2	2	161-30382	WHL HALF ASSY, 4 INCH
5.1.3	3	AN4-7A	BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL
5.1.4	3	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
5.1.5	6	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL
5.2	1	XA1AA*	INNER TUBE, 2.80 X 4
5.3	1	AD1A2*	TIRE, 2.50 / 2.80 - 4
5.4	2	A4050	BEARING CORE
5.5	2	A4138	BEARING CONE
6	1	MS21083N8	NUT, 1/2-20 THREAD, LOW HEIGHT, NYLON INSERT, 250 DEG.
7	2	NAS1149D0863J	WASHER, 0.515 ID, 0.063 THK, ALUMINUM

* 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.

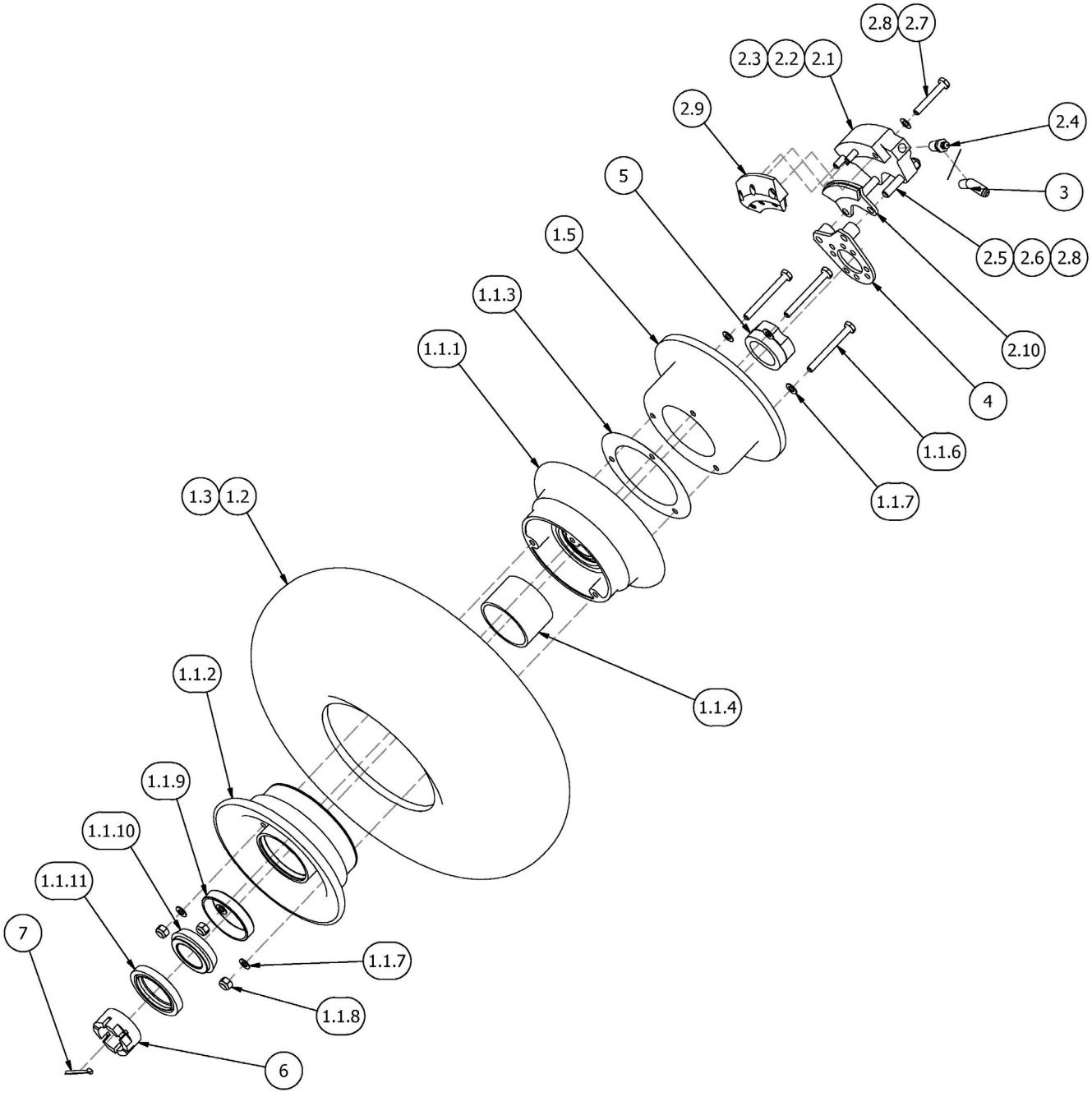
MAIN GEAR RETRACTION INSTALLATION



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A04000-077	ASSY. – DRAG LINK L.
	1	21A04000-076	ASSY. – DRAG LINK R.
	2	08FDU10	BEARING
2	1	21A04000-073	ASSY. SHOCK STRUT
	1	21A04000-075	ASSY. – LOWER END
	2	1095K41	ZERK – GREASE
	2	NAS1149D0416J	WASHER, 0.265 ID, 0.016 THK, ALUMINUM
	2	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
	1	1002087	DUAL BUSHING ASSEMBLY
	1	1001100	BUSHING ASSEMBLY
	1	21A04503-004	RETAINING PIN
	1	MS24665-151	COTTER PIN
	1	21A04585-002	SLEEVES
3	1	21A05114-005	TRACK – MAIN GEAR L.
	1	21A05114-006	TRACK – MAIN GEAR R.
	1	10DU12	BEARING - UPPER
	1	08DU12	BEARING – LOWER
4	1	1002574	CYLINDER
	2	MS20822-4D	FITTING - ELBOW
5	1	21A05705-002	ROD END
	1	AN316-5	JAMB NUT
	1	21A05260-005	SPACER
	1	MS20002C6	WASHER, FIT DIA 3/8", COUNTERSUNK (CHAMFERED EDGE GOES AGAINST CYLINDER)
6	1	21A05000-017	ARM – RETRACT L.
	1	21A05000-016	ARM – RETRACT R.
7	1	21A04454-006	AXLE – SHOCK STRUT
8	1	21A05000-022	INDICTATOR ASSY.
9	1	21A05000-018	GEAR ACTUATOR
10	2	21A05520-003	ROLLER – TRACK
11	2	93783A033	WASHER – SEALING
12	1	21A05000-019	BOLT, MAIN GEAR
	1	21A05735-001	BOLT
	1	21A05476-002	STUD
13	1	21A04263-007	RETAINER - GREASE
	2	MS28775-210	O RING, DIA 0.734
	1	1095K41	ZERK – GREASE
14	1	MS21044N8	NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF
	2	NAS1149F0863P	WASHER, CARBON STEEL, TO FIT DIA 1/2"
15	1	MS21083N5	NUT, LOCKING, LOW HEIGHT, 5/16-24 UNF
	A/R	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL

ITEM	QTY	PART NO.	PART DESCRIPTION
16	1	1005875	ASSEMBLY, PIN, CLEVIS, MAGNET HOLDER
	2	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL
	1	MS21044N5	NUT, LOCKING, REGULAR HEIGHT, 5/16-24 UNF
17	2	NAS6204-17	BOLT, 1/4-28 THREAD, 1.432" LENGTH, 1.062" GRIP
	4	NAS1149D0416J	WASHER, 0.265 ID, 0.016 THK, ALUMINUM
	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
18	8	AN3-6A	BOLT, 10-32, 0.375 GRIP, UNDRILLED, STEEL
	8	NAS1149D0316J	WASHER, 0.203 ID, 0.016 THK, ALUMINUM
	8	NAS1149D0363J	WASHER, 0.203 ID, 0.063 THK, ALUMINUM
	8	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
19	1	AN8-33A	BOLT, 1/2-20 THREAD, 2-11/16" GRIP, 3-15/32" LENGTH
	1	NAS1149F0832P	WASHER, 0.515 ID, 0.032 THK, STEEL
	1	NAS1149F0863P	WASHER, CARBON STEEL, TO FIT DIA 1/2"
	1	MS21044N8	NUT, LOCKING, REGULAR HEIGHT, 1/2-20 UNF
20	1	21A05003-079	PLATE - SEPARATING
	4	AN3-5A	BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL
	8	NAS1149D0316J	WASHER, 0.203 ID, 0.016 THK, ALUMINUM
	4	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
21	1	21A04547-004	BUSHING, LOWER, SHOCK STRUT
	2	21A09005-262	CLIP, MAGNETIC INDICATOR (NOT SHOWN)
	2	5801	PROXIMITY SWITCH (NOT SHOWN)
	4	MS24693-S6	SCREW, COUNTERSUNK , 4-40 UNC, 0.5 LG (NOT SHOWN)

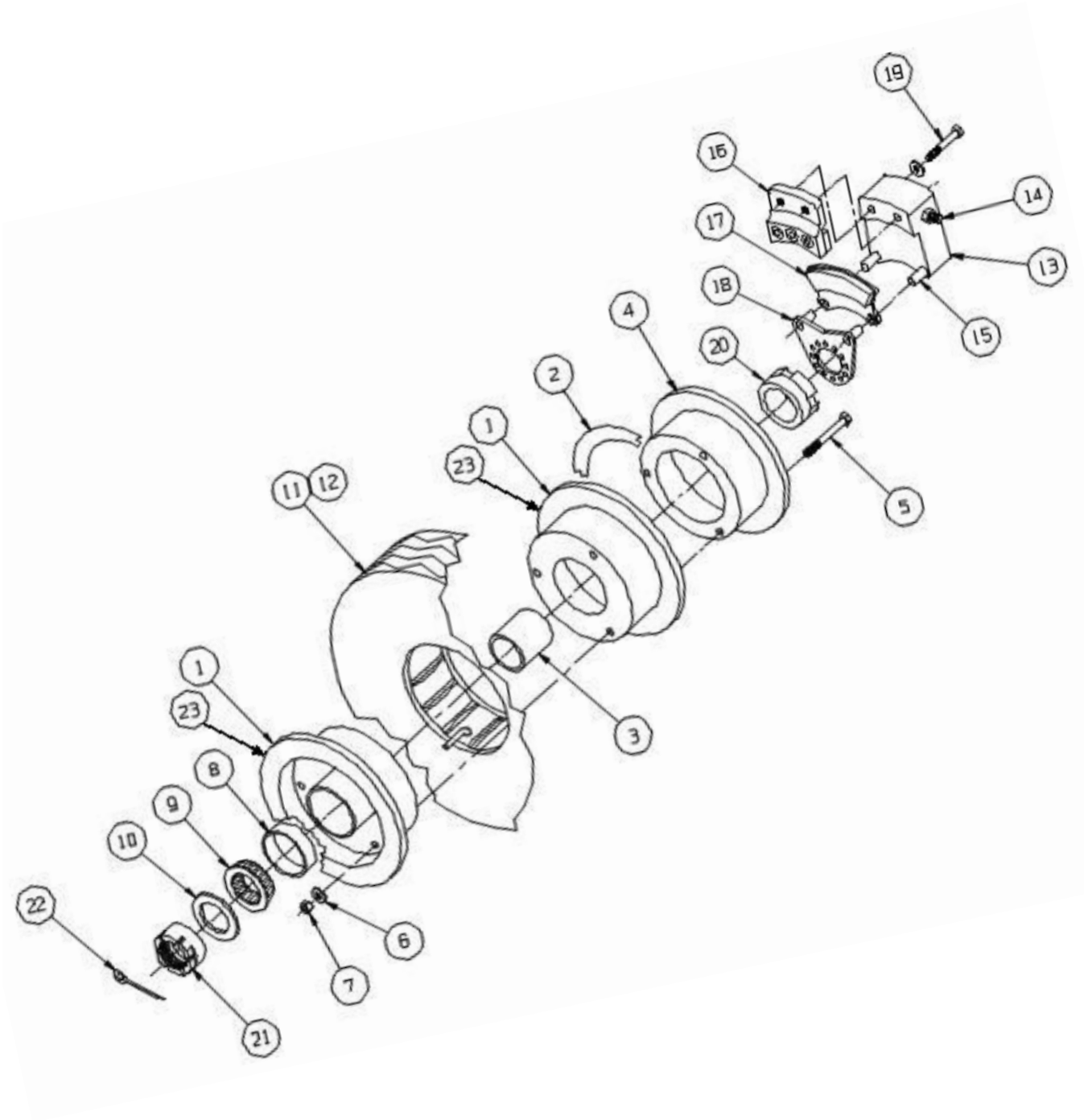
MAIN GEAR WHEEL GROVE / WIPAIRE ASSEMBLY



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1002141	ASSY, MAIN WHEEL, GROVE, 2100 (INCLUDES TIRE AND TUBE)
1.1	1	1002142	ASSY, RIM & BEARINGS, GROVE, 2100
1.1.1	1	015-002	WHEEL HALF, INNER (REF)
1.1.2	1	016-002	WHEEL HALF, OUTER (REF)
1.1.3	1	3A04620-001	GASKET - TEFLON
1.1.4	1	010-009	GREASE RETAINER
1.1.5	1	018-001	BRAKE DISC (NOMINAL THICKNESS 0.190", MINIMUM 0.165")
1.1.6	3	AN4-23A	BOLT, 1/4-28, 1.9375 GRIP, UNDRILLED, STEEL
1.1.7	6	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL
1.1.8	3	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
1.1.9	2	08231	BEARING CUP
	-	08231CP	BEARING CUP (CHROME, REF)
1.1.10	2	08125	BEARING CONE
	-	08125CP	BEARING CONE (CHROME, REF)
1.1.11	2	473237	SEAL - INSIDE/OUTSIDE
1.2	1	AA1D4*	TIRE –TYPE III 5.00 X 5, 6 PLY
1.3	1	XA1AC*	TUBE 5.00 X 5
2	1	32-1	BRAKE ASSEMBLY
2.1	1	023-005	CALIPER BODY (REF)
2.2	2	017-003	PISTON (REF)
2.3	2	MS28775-217	O-RING, HYDRAULIC
2.4	1	220-0063	BLEEDER ASSEMBLY
2.5	2	013-001	TORQUE PIN (REF)
2.6	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
2.7	3	AN4H-15A	BOLT
2.8	5	NAS1149F0416P	WASHER, 0.265 ID, 0.016 THK, STEEL
2.9	1	10-3	ASS'Y – BACK PLATE (REF)
2.9.1	1	RA66-111	LINING (PAD)
2.9.2	3	066-001	RIVET
	A/R	105-00200 (ALT)	RIVET (ALTERNATE PN)
2.10	1	11-2	ASS'Y – PRESSURE PLATE
2.10.1	1	RA66-111	LINING (PAD)
2.10.2	3	066-001	RIVET
	3	105-00200 (ALT)	RIVET (ALTERNATE PN)
3	1	MS20823-3D	FITTING 45˚ BRAKE LINE
4	1	020-001	BRAKE TORQUE PLATE
5	1	3A04093-001	SPACER
6	1	3A04268-003	NUT – AXLE
7	1	MS24665-351	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.

MAIN GEAR WHEEL CLEVELAND / PARKER ASSEMBLY



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	3A04000-002	ASSY. – WHEEL (W/ TUBE & TIRE)
	1	3A04000-060	ASSY. - WHEEL
2	1	3A04620-001	GASKET - TEFLON
3	1	3A04616-001	GREASE RETAINER
4	1	164-01700	BRAKE DISC
5	3	AN4-22A	BOLT, 1/4-28, 1.8125 GRIP, UNDRILLED, STEEL
6	3	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL
7	3	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
8	2	8231	BEARING CUP
	2	8231CP	BEARING CUP, CHROME (OPT.)
9	2	8125	BEARING CONE
	2	8125CP	BEARING CONE, CHROME (OPT.)
10	2	473237	SEAL - INSIDE/OUTSIDE
11	1	AA1D4*	TIRE –TYPE III
12	1	XA1AC*	TUBE
	1	075-00800	ASSY. – BRAKE AND TORQUE PLATE
13	1	21A04000-096	ASSY. – CALIPER (RIGHT)
	1	21A04000-097	ASSY. – CALIPER (LEFT)
	1	062-00300	PISTON
	1	MS28775-218	“O” RING
	1	MS20823-3D	FITTING - 45 DEGREES (BRAKE LINE)
14	1	081-30619	SEAT – BLEEDER
	1	79-3	SCREW – BLEEDER
	1	183-1	CAP – BLEEDER
15	2	069-00400	ANCHOR BOLT
	2	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
	2	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
16	1	074-02700	ASSY. – BACK PLATE
	1	064-00500	PLATE – BACK
	1	066-10600	LINING
	3	105-00200	RIVET
17	1	073-04800	ASSY. – PRESSURE PLATE
	1	063-00500	PLATE - PRESSURE
	1	066-10600	LINING
	3	105-00200	RIVET
18	1	3A04711-001	BRAKE TORQUE PLATE - LEFT
	1	3A04711-002	BRAKE TORQUE PLATE – RIGHT
19	1	AN4H15A	BOLT, 1/4-28 THREAD, 1-3/16" GRIP, 1-21/32" LENGTH
	1	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL
20	1	3A04093-001	SPACER
21	1	3A04268-003	NUT – AXLE

ITEM	QTY	PART NO.	PART DESCRIPTION
22	1	MS24665-351	COTTER PIN
23	1	40-78A	WHEEL ASSEMBLY, EXTERNAL, 5.00 X 5

* 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.

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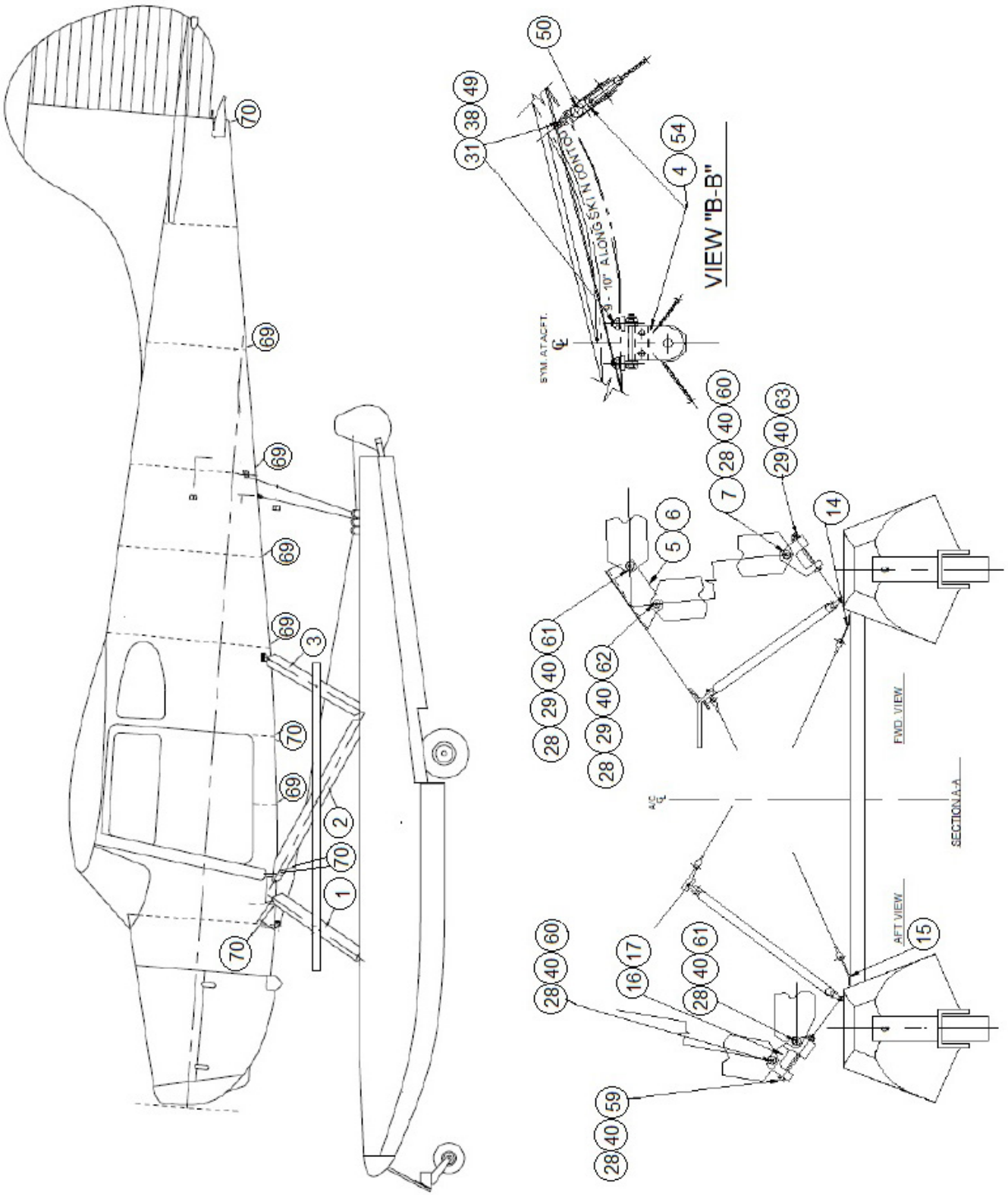
SECTION 9

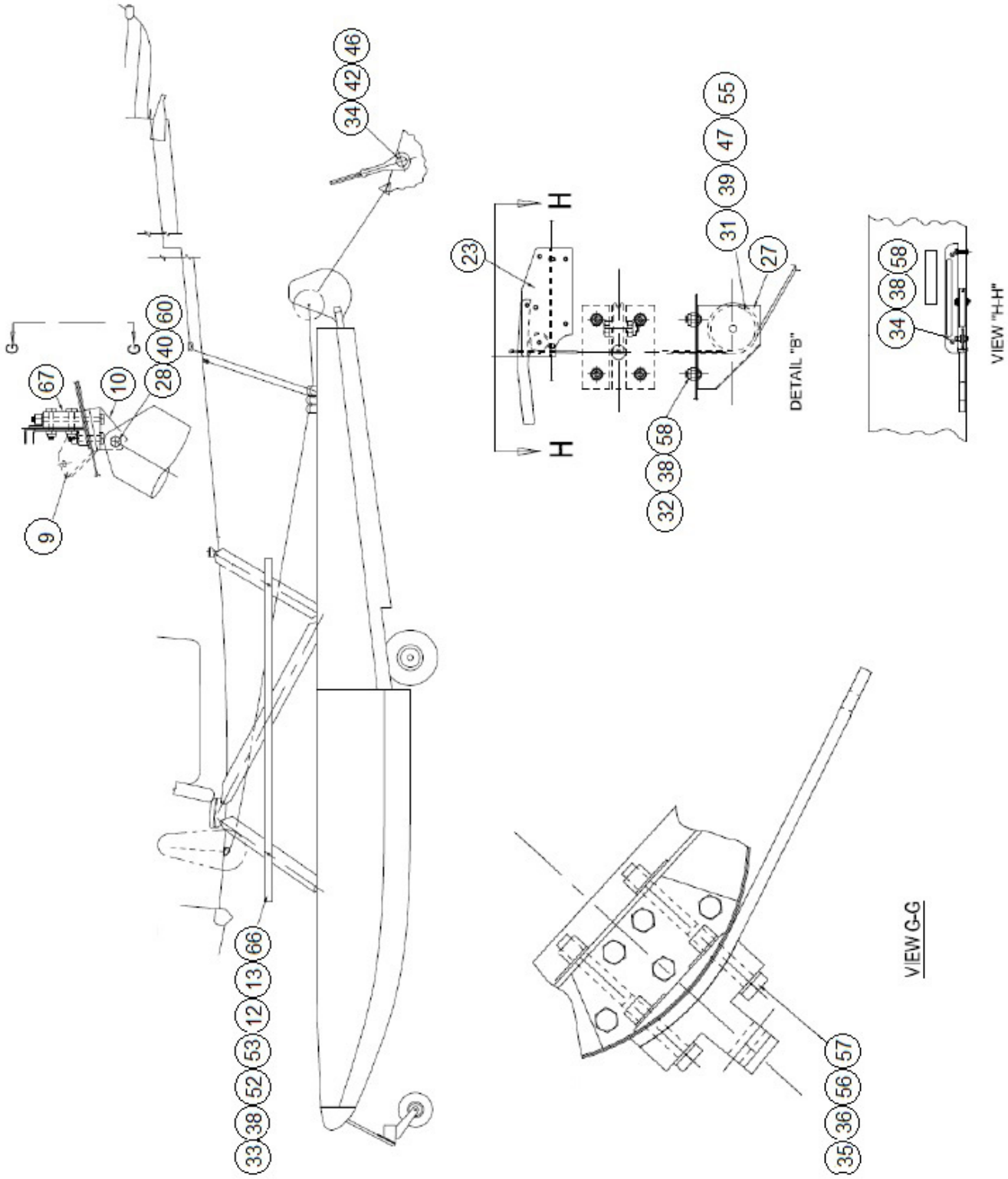
STRUTS, STEPS, STEERING / RETRACT, WIRES AND SPREADER BARS

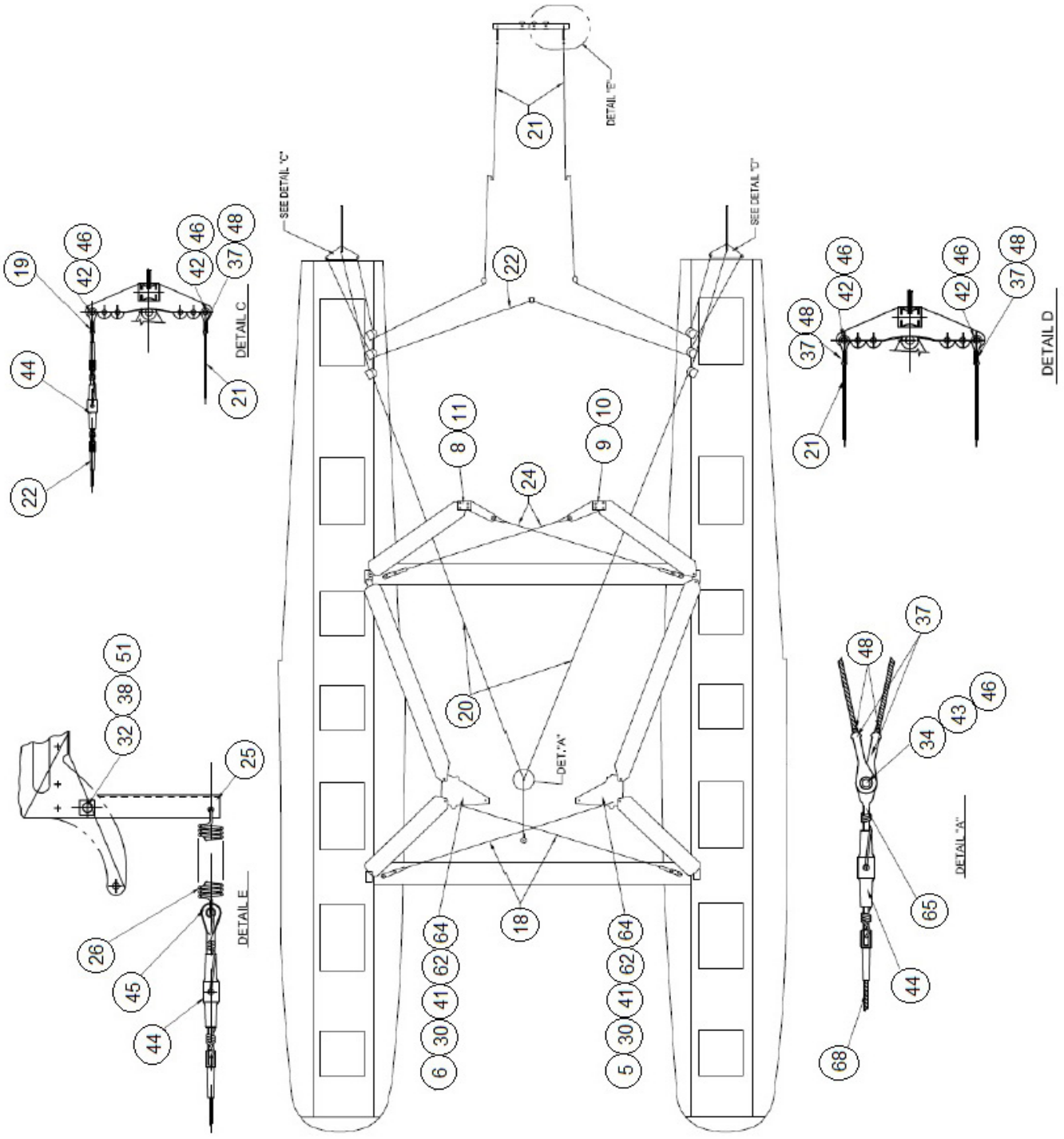
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STRUTS, STEPS, STEERING / RETRACT, WIRES AND SPREADER BARS 88
FWD SPREADER BAR SUPPORT PANEL ASSEMBLY 93
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STRUTS, STEPS, STEERING / RETRACT, WIRES AND SPREADER BARS



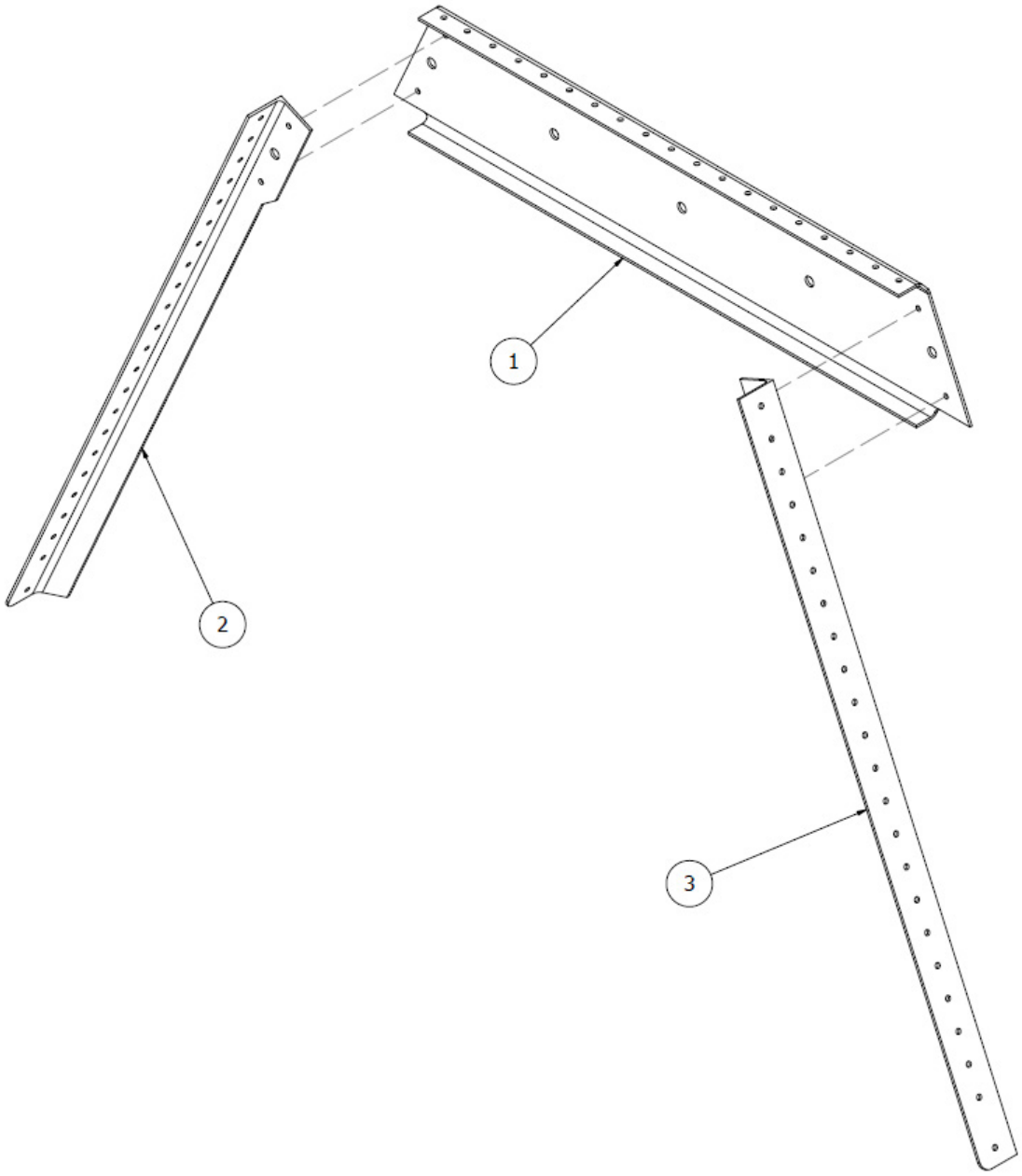

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ITEM	QTY	PART NO.	PART DESCRIPTION
1	2	21A02000-180	ASSEMBLY, STRUT, FWD, 170
2	2	21A02000-181	ASSEMBLY, STRUT, MID, 170
3	2	21A02000-182	ASSEMBLY, STRUT, REAR, 170
4	3	21A08000-125	PULLEY ASS'Y
5	2	21A02021-005	FITTING, FWD. FUS. STRUT ATTACH
6	1	21A02021-006	FITTING, FWD. FUS. STRUT ATTACH
7	2	21A02060-012	FITTING, FWD. LOWER - FLOAT
8	1	21A02020-004	WIRE PULL FUSELAGE AFT
9	1	21A02020-005	WIRE PULL FUSELAGE AFT
10	1	21A02030-007	FITTING - AFT FUSELAGE
11	1	21A02030-008	FITTING - FUSELAGE
12	1	21A02369-033	STEP, LEFT
13	1	21A02369-054	STEP, RIGHT
14	2	21A02462-004	WIRE PULL, FWD
15	2	21A02519-007	WIRE PULL, AFT
16	1	21A02060-010	FITTING, AFT - LOWER - FLOAT
17	1	21A02060-011	FITTING, AFT - LOWER - FLOAT
18	2	21A02000-149	ASS'Y DRAG WIRE
19	1	21A08000-132	ASS'Y CABLE BALANCE
20	2	21A08000-133	ASS'Y RETRACT CABLE
21	2	21A08000-135	ASS'Y STEERING CABLE
22	1	21A08000-136	ASS'Y BALANCE CABLE
23	1	21A08000-149	ASS'Y RETRACT HANDLE
24	2	21A02000-164	ASS'Y DRAG WIRE
25	1	21A08359-201	RUDDER HORN EXTENSION
26	1	21A08525-005	RUDDER CENTERING SPRING
27	1	3A08151-046	PULLEY BRACKET, WATER RUDDER
28	11	NAS1149D0663J	WASHER, 0.39 ID, 0.063 THK, ALUMINUM
29	4	NAS1149D0616J	WASHER, 0.39 ID, 0.016 THK, ALUMINUM
30	4	NAS1149F0763P	WASHER, 0.453 ID, 0.063 THK, STEEL
31	7	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
32	12	NAS1149D0363J	WASHER, 0.203 ID, 0.063 THK, ALUMINUM
33	8	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL
34	7	NAS1149F0332P	WASHER, 0.203 ID, 0.032 THK, STEEL
35	8	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL
36	8	NAS1025-054	NUT PLATE
37	4	NAS1435K3	FORK END TERMINAL
38	22	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
39	1	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
40	13	MS21044N6	NUT, NYLON INSERT, 250 DEG, STEEL, 0.375-24 THREAD
41	4	MS20365-720A	NUT, SELFLOCKING, 7/16-20 THREAD, NYLON INSERT, 250 DEG

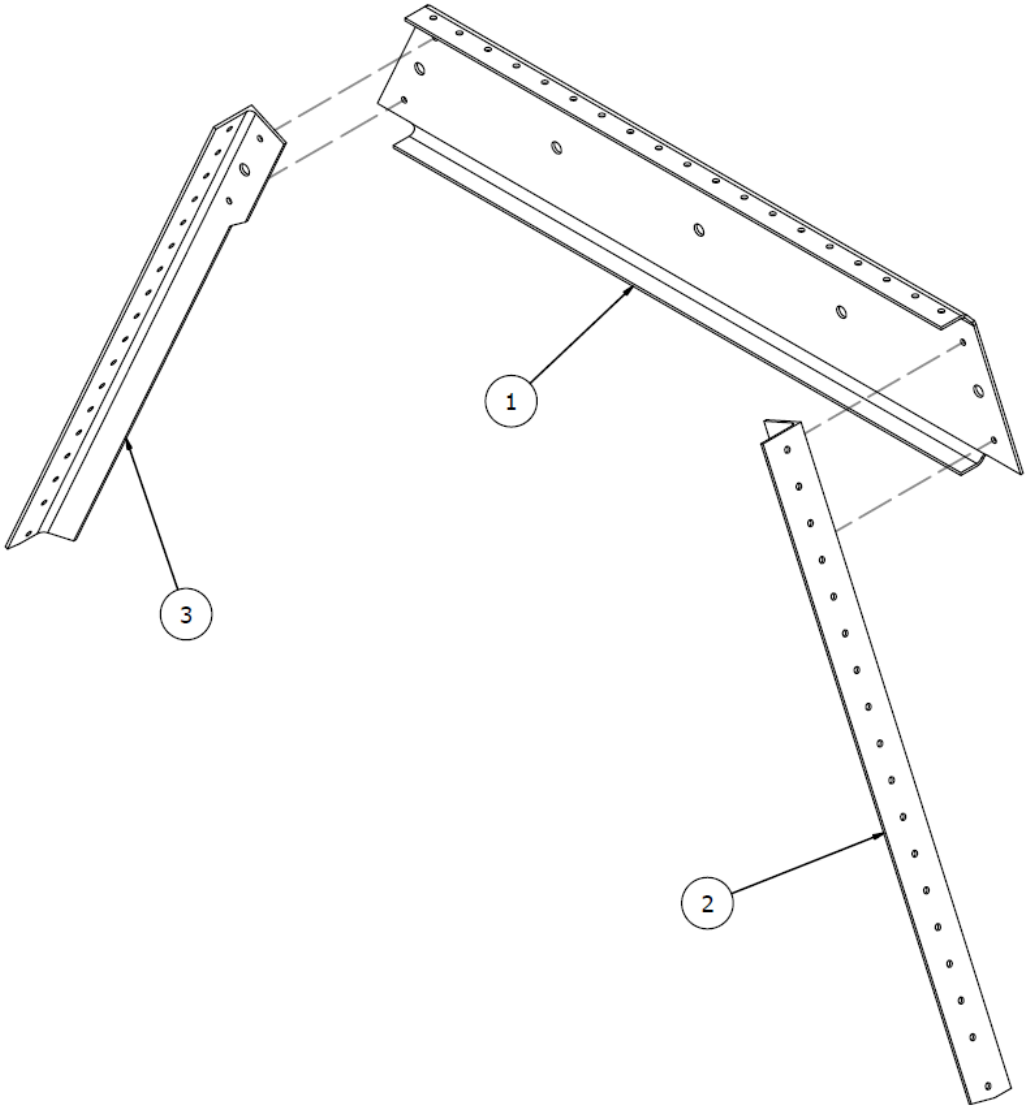
ITEM	QTY	PART NO.	PART DESCRIPTION
42	6	MS20392-2C13	CLEVIS PIN
43	1	MS20392-2C15	CLEVIS PIN
44	3	MS21251-B3S	TURNBUCKLE BARREL
45	1	MS21255-3RS	TURNBUCKLE BARREL
46	6	MS24665-151	COTTER PIN
47	1	MS20219-2	PULLEY
48	4	MS20664C-3	BALL
49	6	AN42-4A	EYE BOLT
50	3	AN3-17A	BOLT, 10-32, 1.5 GRIP, UNDRILLED, STEEL
51	2	AN3-14A	BOLT, 10-32 THREAD, 1-1/8" GRIP, 1-17/32" LENGTH
52	2	AN3-20A	BOLT, 10-32, 1.625 GRIP, UNDRILLED, STEEL
53	4	AN3-25A	BOLT, 10-32 THREAD, 2-1/4" GRIP, 2-21/32" LENGTH
54	3	AN393-49	CLEVIS PIN
55	1	AN4-7A	BOLT, 1/4-28, 0.4375 GRIP, UNDRILLED, STEEL
56	4	AN5-13A	BOLT, 5/16-24 THREAD, 15/16" GRIP, 1-15/32" LENGTH
57	4	AN5-32A	BOLT, 5/16-24 THREAD, 2-13/16" GRIP, 3-11/32" LENGTH
58	8	AN526-1032R8	SCREW, TRUSS HEAD, NON STRUCTURAL, CAD 1, STEAL
59	2	AN6-40A	BOLT, 3/8-24 THREAD, 3-7/16" GRIP, 4-5/64" LENGTH
60	5	AN6-17A	BOLT, 3/8-24, 1.3125 GRIP, UNDRILLED, STEEL
61	3	AN6-16A	BOLT, 3/8-24, 1.1875 GRIP, UNDRILLED, STEEL
62	3	AN46-16A	BOLT EYE, 3/8-24 THRD, 3/8" SIZE, 1-3/16" GRIP, 1-27/32" LNGTH
63	2	AN6-32A	BOLT, 3/8-24 THREAD, 2-11/16" GRIP, 3-21/64 LENGTH
64	2	AN7-20A	BOLT, 7/16-20 THREAD, 1-7/16" GRIP, 2-3/32" LENGTH
65	1	AN161-16RS	FORK TURNBUCKLE
66	1	8A08260-001	BUSHING
67	1	52-3-849	CESSNA KIT
68	1	21A08000-137	CABLE TO RETRACT HANDLE
69	A/R	0420342	DRAIN GROMMET (CESSNA)
70	A/R	0422342	DRAIN GROMMET (CESSNA)

FWD SPREADER BAR SUPPORT PANEL ASSEMBLY



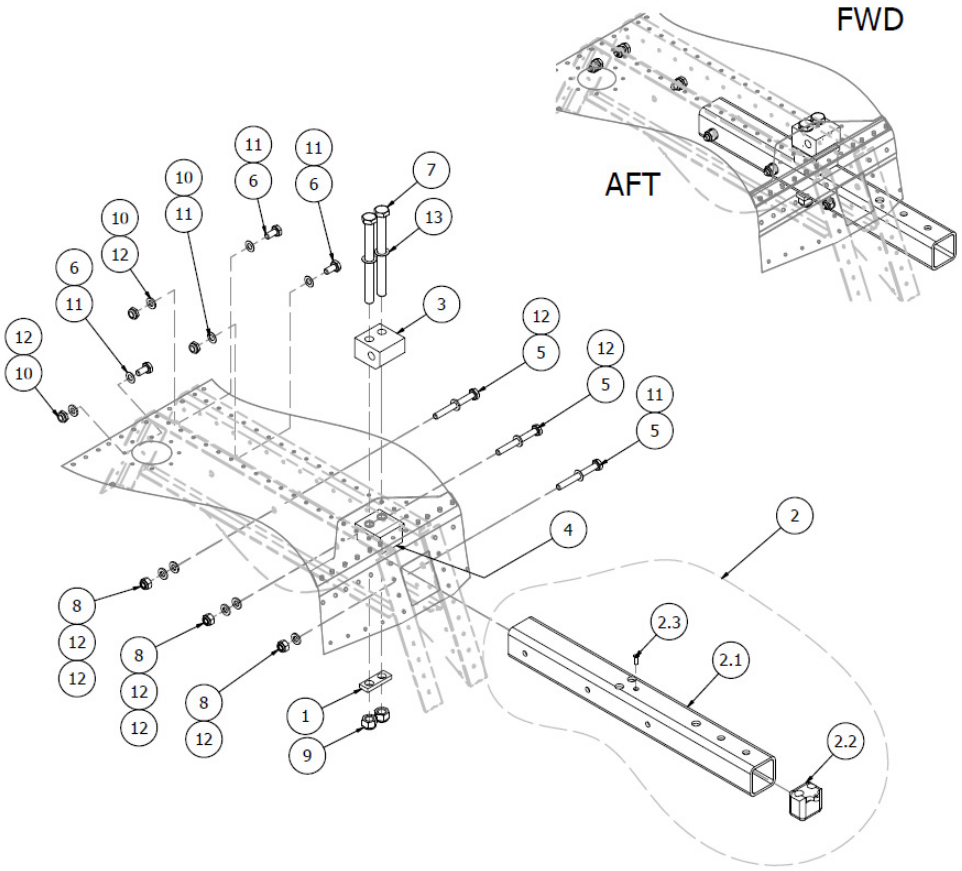
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-260	ASSEMBLY, SPREADER BAR SUPPORT PANEL, FWD, 2100
1	1	21A01163-065	PANEL, SUPPORT, SPREADER BAR
2	1	21A01326-013	ANGLE, SPREADER BAR SUPPORT PANEL, LH
3	1	21A01326-014	ANGLE, SPREADER BAR SUPPORT PANEL, RH

AFT SPREADER BAR SUPPORT PANEL ASSEMBLY



ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A01000-259	ASSEMBLY, SPREADER BAR SUPPORT PANEL, AFT
1	1	21A01163-065	PANEL, SUPPORT, SPREADER BAR
2	1	21A01326-009	ANGLE, SPREADER BAR SUPPORT PANEL, RH
3	1	21A01326-010	ANGLE, SPREADER BAR SUPPORT PANEL, LH

SPREADER BAR TUBE MOUNTING



ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1002009	CLAMP BLOCK, SPREADER BAR
2	1	1012630	ASSEMBLY, TUBE, SPREADER BAR, MOUNTING
2.1	1	21A03115-001	TUBE, SPREADER BAR, MOUNTING
2.2	1	1002012	INSERT, TUBE REINFORCEMENT, SPREADER BAR
2.3	1	CR3212-4-5	RIVET, CHERRY MAX, COUNTERSUNK, 1/8 DIA , 5/16 GRIP
3	1	21A03032-006	FITTING, DECK, STRUT
4	1	21A03214-003	SPACER
5	3	AN4-22A	BOLT, 1/4-28, 1.8125 GRIP, UNDRILLED, STEEL
6	3	AN4-4A	BOLT, 1/4-28, 0.0625 GRIP, UNDRILLED, STEEL
7	2	AN6-41A	BOLT, 3/8-24, 3.5625 GRIP, UNDRILLED, STEEL
8	3	MS21044N4	NUT, LOCKING, REGULAR HEIGHT, 1/4-28 UNF
9	2	MS21044N6	NUT, LOCKING, REGULAR HEIGHT, 3/8-24 UNF
10	3	MS21083N4	NUT, LOCKING, LOW HEIGHT, 1/4-28 UNF
11	5	NAS1149D0416J	WASHER, 0.265 ID, 0.016 THK, ALUMINUM
12	9	NAS1149D0463J	WASHER, 0.265 ID, 0.063 THK, ALUMINUM
13	2	NAS1149F0616P	WASHER, 0.39 ID, 0.016 THK, STEEL

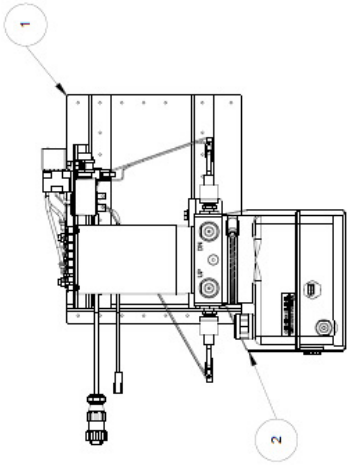
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SECTION 10
HYDRAULIC SYSTEM

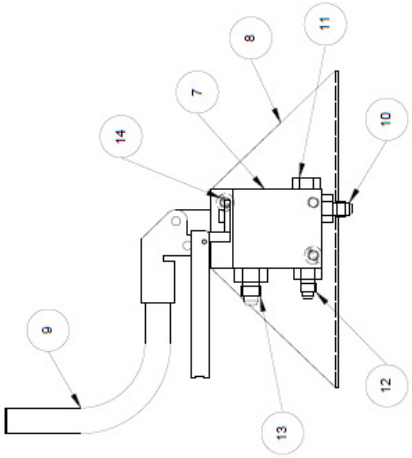
CONTENTS

HYDRAULIC SYSTEM INSTALLATION POST SERVICE LETTER 233 98
HYDRAULIC SYSTEM INSTALLATION PRE SERVICE LETTER 233 100
HYDRAULIC PUMP ASSEMBLY 1011887 POST SERVICE LETTER 233 102
HYDRAULIC PUMP ASSEMBLY 21A09000-279 PRE SERVICE LETTER 233 106
HYDRAULIC BRACKET ASSEMBLY 1006819 PRE SERVICE LETTER 233 108
HYDRAULIC PUMP ASSEMBLY 1009550 PRE SERVICE LETTER 233 110
HYDRAULIC PUMP OVERVIEW POST SERVICE LETTER 233 112
HYDRAULIC PUMP OVERVIEW PRE SERVICE LETTER 233 114
HYDRAULIC & BRAKE SCHEMATIC 116

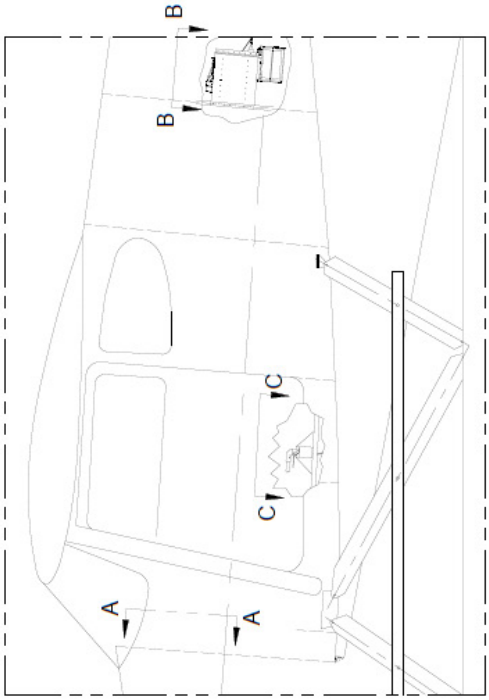
HYDRAULIC SYSTEM INSTALLATION POST SERVICE LETTER 233

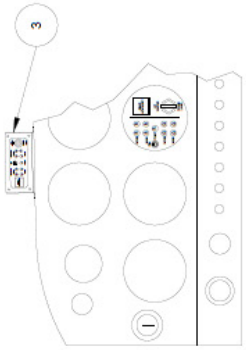


SECTION B-B
HYDRAULIC PUMP INSTALL
AFT FUSELAGE, LEFT SIDE

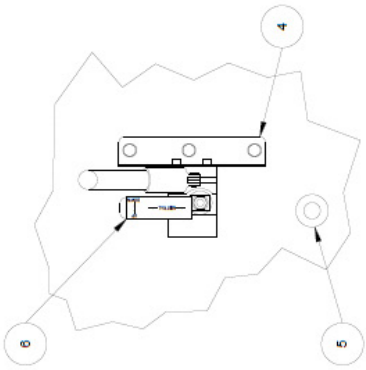


SECTION C-C
HAND PUMP INST.





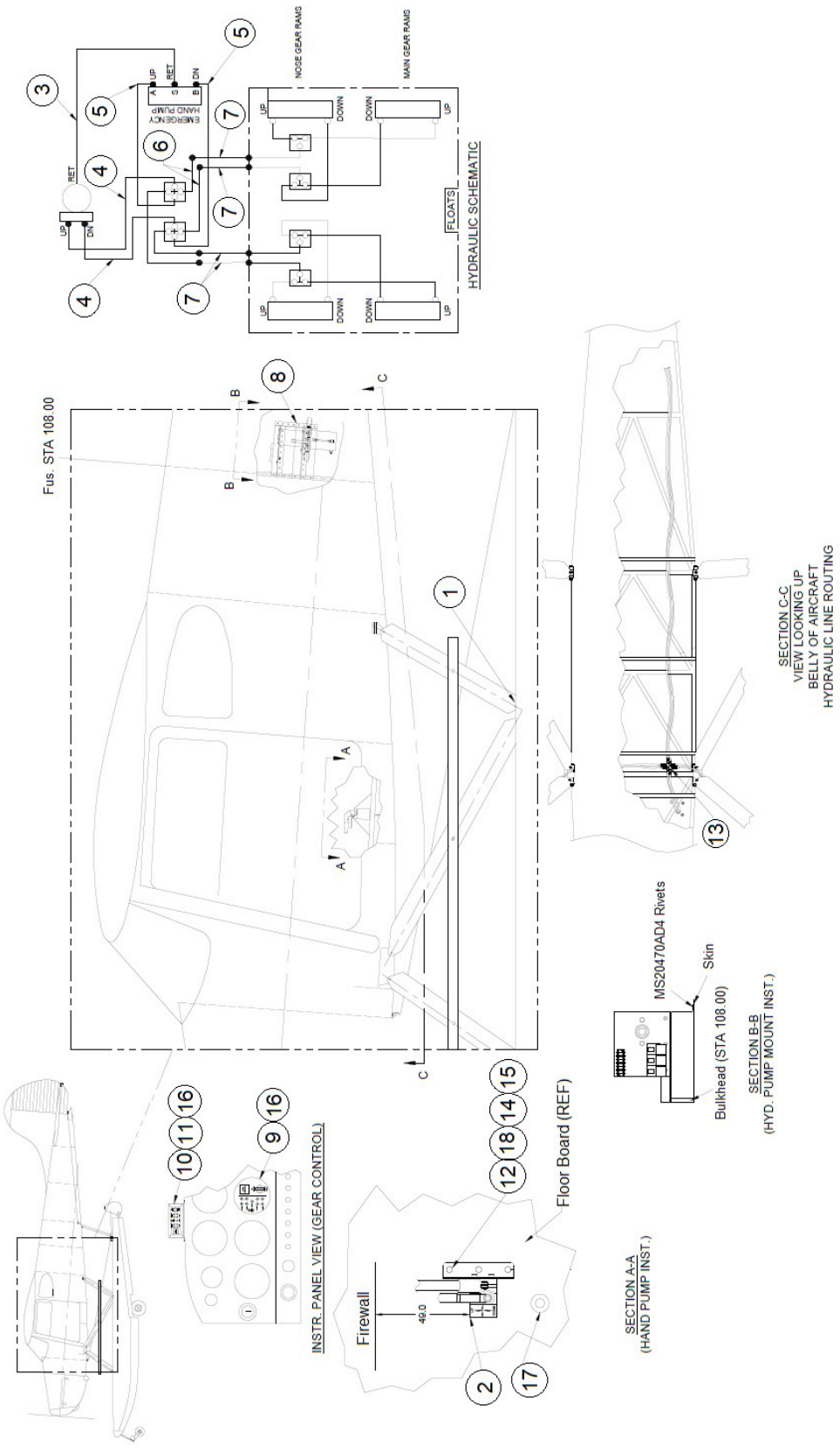
SECTION A-A
INSTR. PANEL VIEW (GEAR CONTROL)



SECTION C-C
(HAND PUMP INST.)

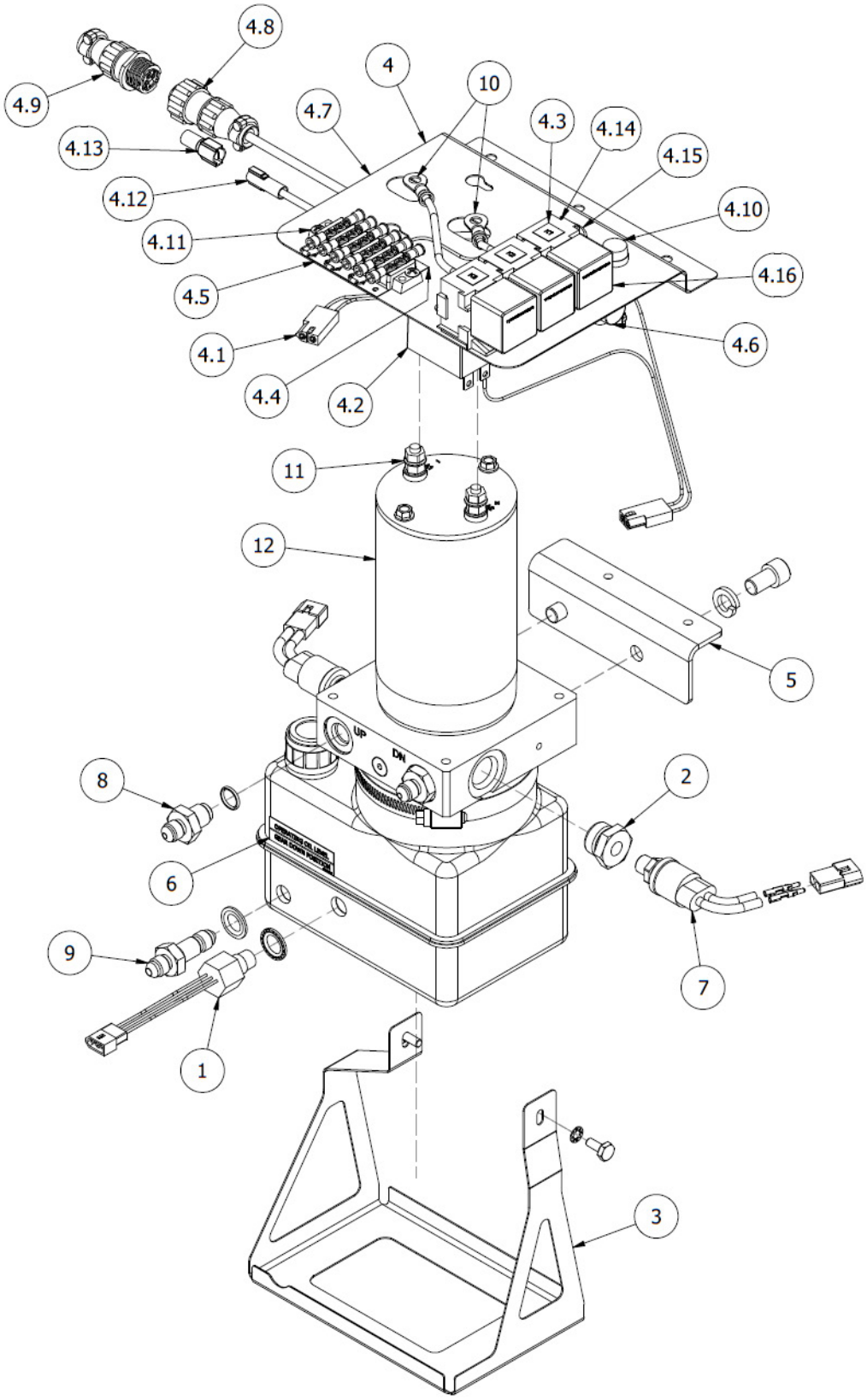
ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	1011883	ASSEMBLY, INSTALLATION BRACKET
2	1	1011887	ASSEMBLY, HYDRAULIC POWER PACK, 12V
	2	AN3-5A	BOLT, 10-32, 0.25 GRIP, UNDRILLED, STEEL
	2	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL
	3	AN4-5A	BOLT, 1/4-28, 0.19 GRIP, UNDRILLED, STEEL
	3	NAS1149F0463P	WASHER, 0.265 ID, 0.063 THK, STEEL
3	1	21A11158-194	COVER, SQUARE, GEAR CONTROL
	4	MS35214-42	(GEAR CONTROL HEAD SCREWS) SCREW, 8-32, 0.50 LENGTH
4	1	21A09000-194	ASSEMBLY, HAND PUMP
	3	AN3-7A	BOLT, 10-32 , 0.50 GRIP, UNDRILLED, STEEL
	3	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL
	3	AN970-3	WASHER, 0.203 ID, 0.875 OD, 0.063 THK
	3	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 THREAD
5	1	MS35489-49	GROMMET, RUBBER, .75 HOLE, .125 PANEL
6	1	12A3-7379-1	PLACARD, EMERGENCY HAND PUMP
7	1	642873	HAND PUMP (ONLY)
8	1	21A09156-129	BRACKET, HYDRAULIC HAND PUMP
9	1	21A09396-001	HANDLE
	1	9283K13	CAP PLUG
10	1	21A09746-001	MODIFIED UNION
	1	MS28775-012	O-RING, HYDRAULIC PACKING, 0.364 ID
11	1	AN814-4D	PLUG, 7/16-20 THREAD
	1	MS28775-012	O-RING, HYDRAULIC PACKING, 0.364 ID
12	1	AN815-4D	UNION
	1	MS28775-012	O-RING, HYDRAULIC PACKING, 0.364 ID
13	1	AN919-6D	UNION
	1	MS28775-014	O-RING, HYDRAULIC PACKING, 0.489 ID
14	2	MS16997-77	SOCKET HEAD CAP SCREW, 5/16-18 THREAD
	2	MS35333-41	LOCK WASHER, INTERNAL TOOTH
	2	NAS1149F0563P	WASHER, 0.328 ID, 0.063 THK, STEEL
15	2	21A04000-080	ASSEMBLY, BRAKE LINE (NOT SHOWN)

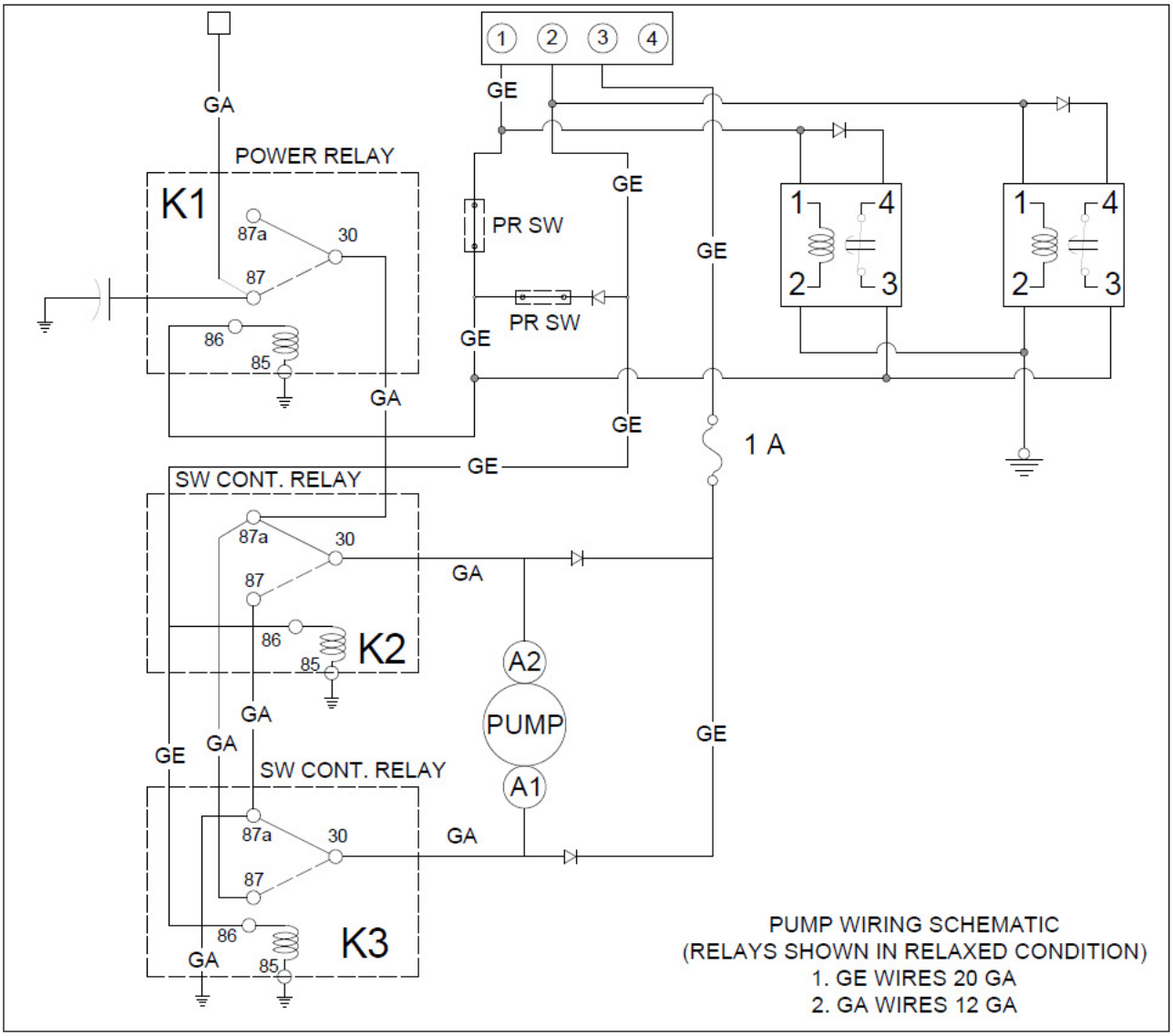
HYDRAULIC SYSTEM INSTALLATION PRE SERVICE LETTER 233



ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A09000-279	ASSY. - HYD PUMP 12V, C-170
1	2	21A04000-080	HYD. LINE ASSY. BRAKE LINE FLOAT TO PLANE
2	1	21A09000-194	ASS'Y HAND PUMP & BRACKET
3	1	21A09000-226	ASSEMBLY, HOSE, RET. HAND PUMP TO PUMP
4	2	21A09000-227	HYD. LINE ASSEMBLY, PUMP TO TEE (170)
5	2	21A09000-228	HYD. LINE ASSEMBLY, HAND PUMP TO TEE (170)
6	2	21A09000-229	HYD. LINE ASSEMBLY, TEE TO WRAP (170)
7	4	21A09000-230	HYD. LINE ASSEMBLY, FUSELAGE TO FWD DECK (170)
8	1	21A09000-279	ASSEMBLY, HYDRAULIC PUMP, C-170
9	1	21A11000-009	GEAR SELECTOR ASSY. ROUND 12V
10	1	21A11000-010	GEAR SELECTOR ASSY. SQUARE 12V
11	1	21A11158-194	COVER, GEAR CONTROL HEAD
12	3	AN3-7A	BOLT, 10-32, 0.5 GRIP, UNDRILLED, STEEL
13	2	AN827-4D	CROSS FITTING, FLARED TUBE
14	3	AN970-3	WASHER, .203 ID, .875 OD, .063 THK
15	3	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
16	4	MS35214-42	SCREW, PAN HEAD, 8-32 THREAD, 1/2" LENGTH
17	1	MS35489-49	GROMMET
18	3	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL

HYDRAULIC PUMP ASSEMBLY 1011887 POST SERVICE LETTER 233



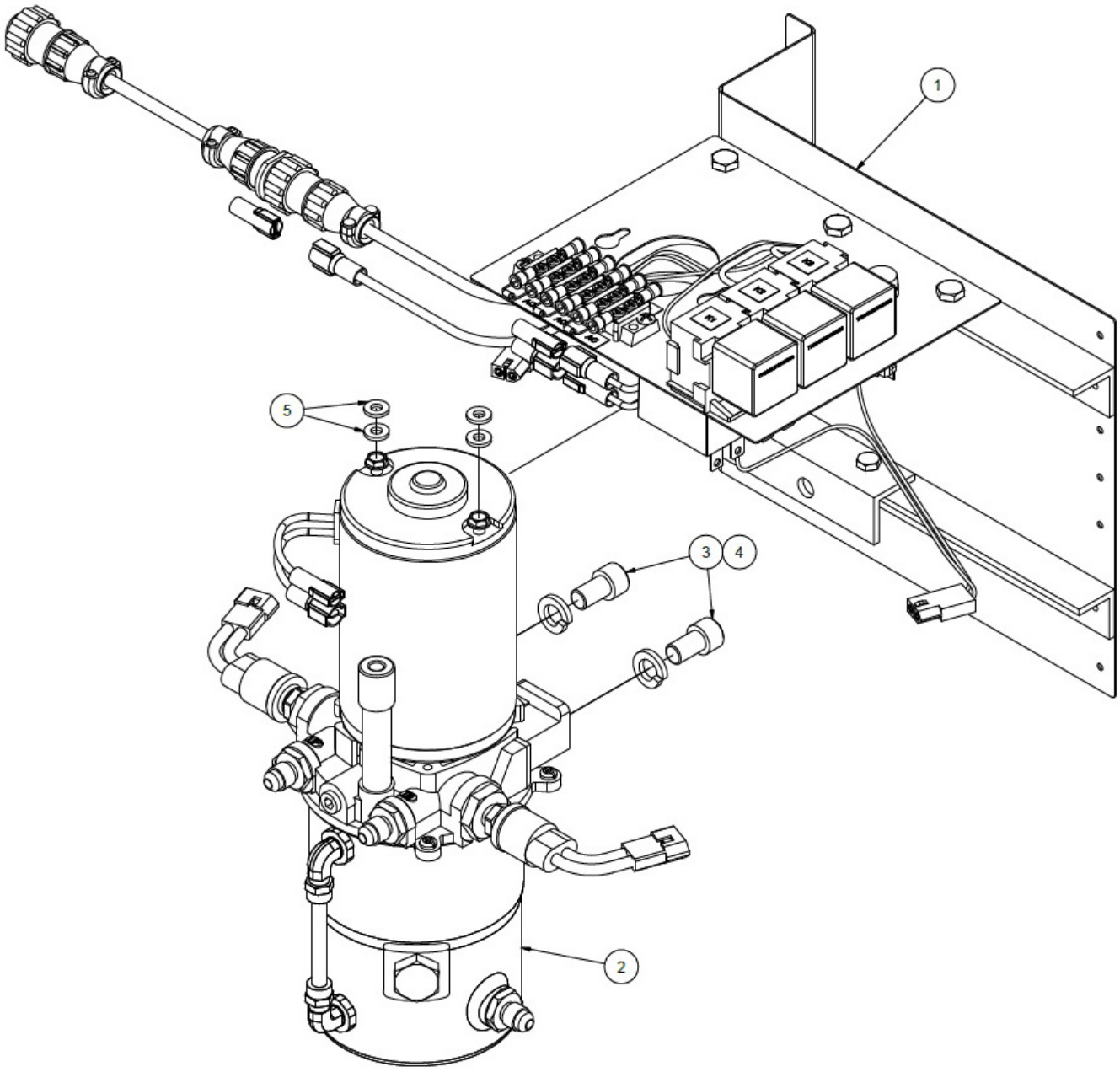

1
2
3
4
GA
GE
POWER RELAY
K1
87a
30
87
86
85
PR SW
PR SW
GE
GE
GE
GE
GA
GA
1 A
SW CONT. RELAY
K2
GA
A2
PUMP
A1
GE
GA
GE
SW CONT. RELAY
K3
GA
PUMP WIRING SCHEMATIC
(RELAYS SHOWN IN RELAXED CONDITION)
1. GE WIRES 20 GA
2. GA WIRES 12 GA

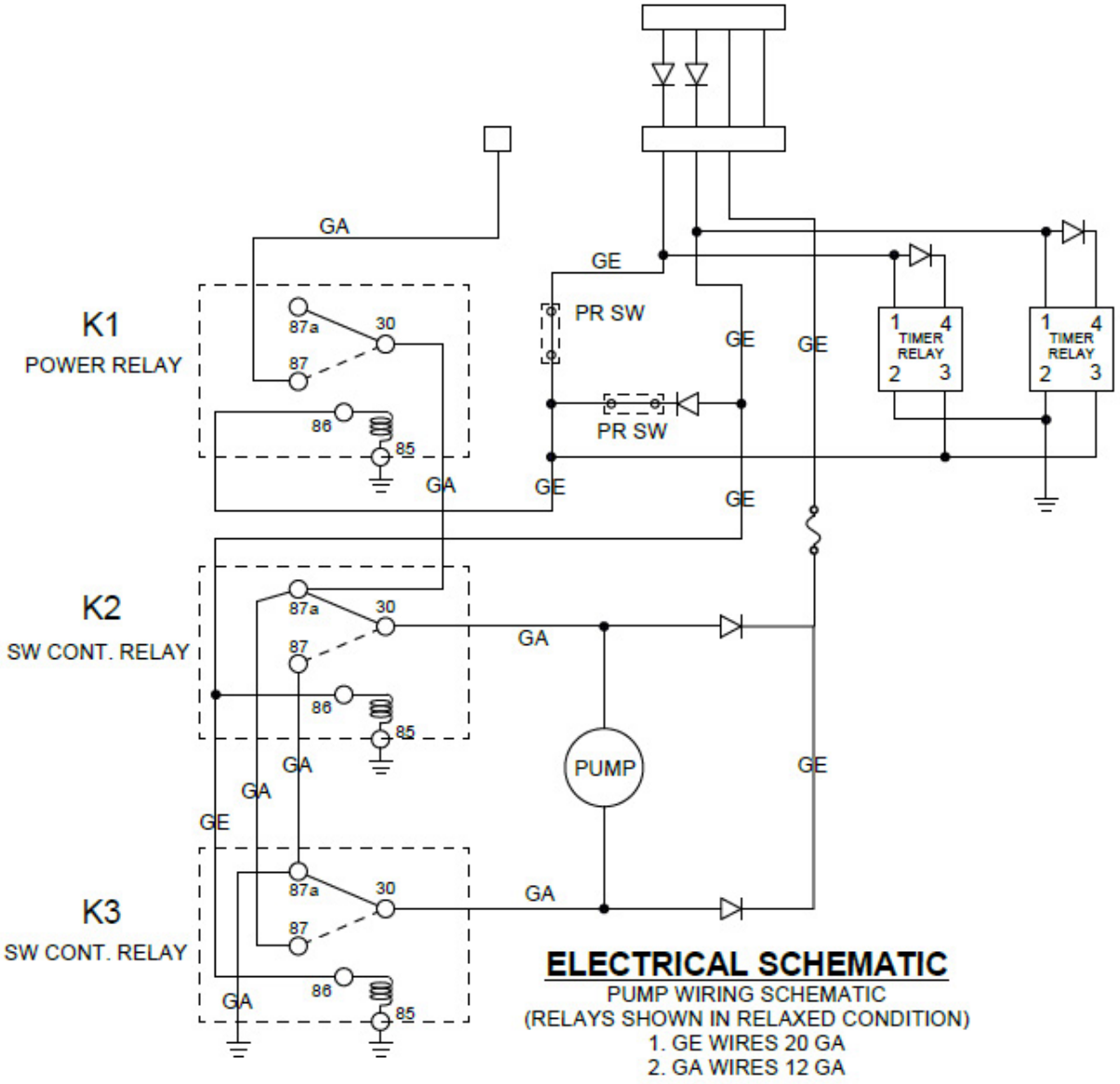
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	1011887	ASSEMBLY, HYDRAULIC POWER PACK, 12V
1	1	1009428	ASSEMBLY, SENSOR, FLUID LEVEL
	1	93786A200	PRESSURE SEALING WSHER, M12
	1	NJAM12X1.0CLZ	NUT, JAM, M12X1.0, ZINC
2	2	1011062	ASSEMBLY, PLUG, PRESSURE SWITCH PORT
3	1	1011542	SUPPORT, HYDRAULIC RESERVOIR, SIDE MOUNT
	2	AN3-3A	BOLT, 10-32, 0.0625 GRIP, UNDRILLED, STEEL
	2	MS35333-39	STAR WASHER
4	1	1011885	ASSEMBLY, SUPPORT PLATE, HYDRAULIC PUMP, 12V
4.1	2	03-09-1022	CONNECTOR PLUG, MALE, 2 CONN.
	4	02-09-1104	PIN, CRIMP FEMALE, 1/8" DIA.
4.2	1	1012411	ASSEMBLY, RELAY, TIME DELAY RELEASE, 6-48 VDC
4.3	1	1009143-01	PLACARD, K1 INDICATOR
	1	1009143-02	PLACARD, K2 INDICATOR
	1	1009143-03	PLACARD, K3 INDICATOR
4.4	1	1009144-01	PLACARD, CR INDICATOR
4.5	1	1009144-02	PLACARD, AC INDICATOR
4.6	1	1011798	ASSEMBLY, CAPACITOR
	1	MS21919WDG10	CLAMP, LOOP, CUSHIONED, 5/8" TUBE OD
	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
4.7	1	1011884	TOP PLATE, HYDRAULIC PUMP
4.8	1	206429-1	PLUG, MALE, CPC SIZE 1, 4 PIN
	3	66103-4	PIN, CRIMP SOCKET, 24-20 AWG
	1	206062-3	CLAMP, CABLE, CPC SIZE 11
4.9	1	206430-2	PLUG, FEMALE, CPC SIZE 1, 4 PIN
	3	66105-4	CRIMP SOCKET, FEMALE
	1	206062-3	CLAMP, CABLE, CPC SIZE 11
4.10	1	3453LF2A	FUSE HOLDER
	1	AGC-1	FUSE, 250V, 1 AMP
4.11	1	6-140	TERMINAL BLOCK, 6 CONNECTOR
	2	AN526C632R8	SCREW, MACHINE TRUSS HEAD, 6-32 THREAD
	2	MS21044N06	NUT, LOCKING, REGULAR HEIGHT, 6-32 UNC
	12	MS25036-102	RING TERMINAL, #6 STUD, 16-22 AWG, RED
	3	1N4004	DIODE
4.12	1	73F-250-32-NL	CONNECTOR, FEMALE, 10-12 AWG, FULLY INSULATED
4.13	1	73M-250-32-NL	CONNECTOR, MALE, 10-12 AWG, FULLY INSULATED
4.14	3	BR05-FW	SOCKET, 5 PRONG, PLASTIC
	14	1-901-355-917	TERMINAL

ITEM	QTY	PART NO.	PART DESCRIPTION
	2	AN3-3A	BOLT. 10-32, 0.0625 GRIP, UNDRILLED, STEEL
	4	NAS1149F0332P	WASHER, 0.203 ID, 0.032 THK, STEEL
	2	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNC
4.15	1	MS35489-14	GROMMET, RUBBER
4.16	3	V23234-A0001-X032	RELAY, 5 PRONG, 12V
5	1	1011886	ANGLE, MOUNTING, HYDRAULIC PUMP
	2	MS16997-96	SOCKET HEAD CAP SCREW
	2	MS35338-46	WASHER, SPLIT
6	1	6A3-2199	PLACARD, OIL LEVEL
7	2	20PS001EB700 W500W	PRESSURE SWITCH
	2	03-09-2022	CONNECTOR, PLUG, FEMALE
	4	02-09-2118	PIN, CRIMP MALE, 1/8" DIA.
8	2	AN919-3D	FITTING, REDUCER
	2	MS28775-013	O-RING, HYDRALUIC
9	1	AN832-4D	UNION, BULKHEAD
	1	93783A032	SEALING WASHER
	1	AN924-4D	JAM NUT
10	2	MS25036-157	RING TERMINAL, 1/4 STUD, 10-12 AWG, YELLOW
11	2	NAS1149F0432P	WASHER, 0.265 ID, 0.032 THK, STEEL
12	1	YBZS-C0.63W1T100K/ UVZOT2	HYDRAULIC PUMP, 12 VDC

HYDRAULIC PUMP ASSEMBLY 21A09000-279

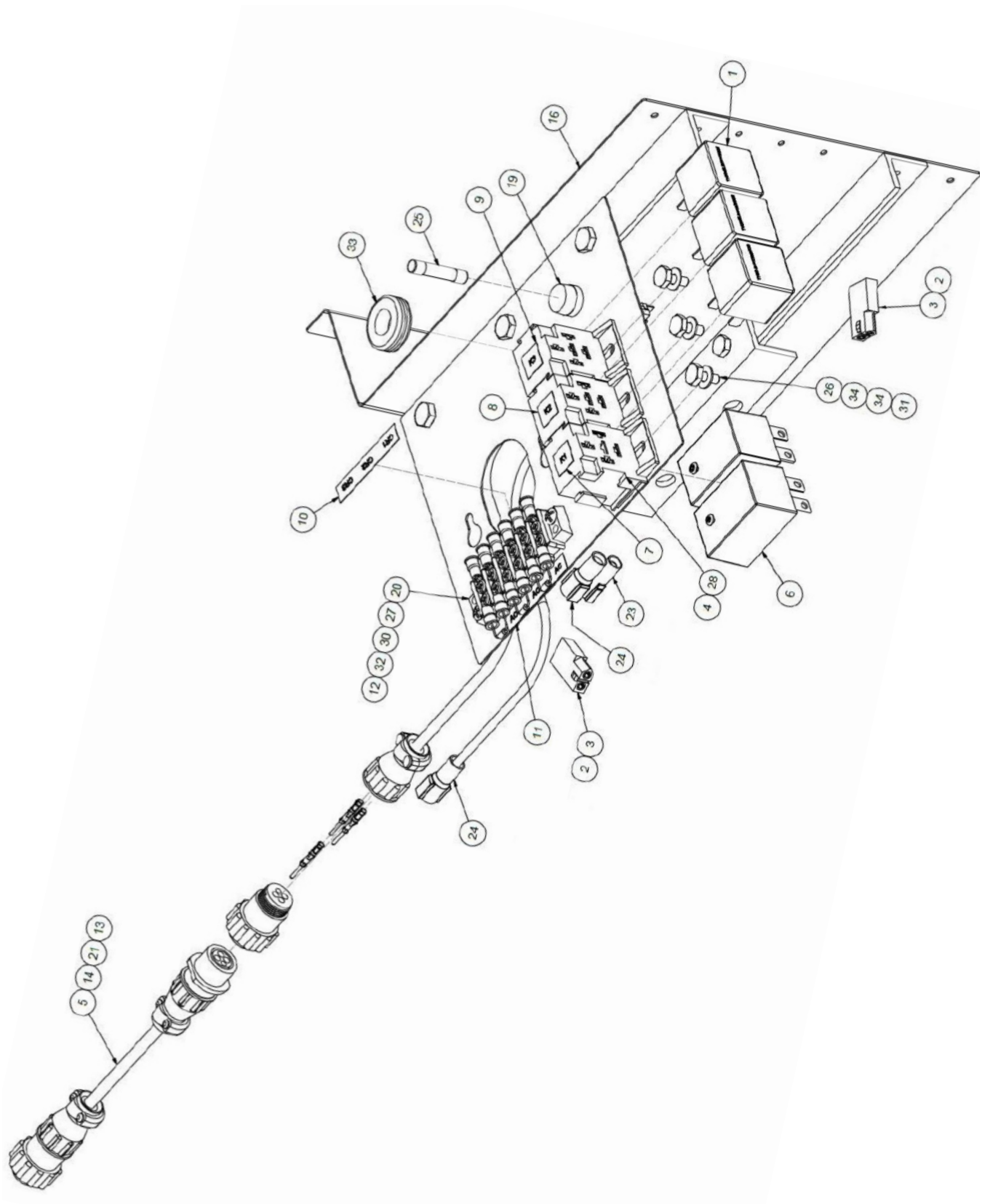
PRE SERVICE LETTER 233





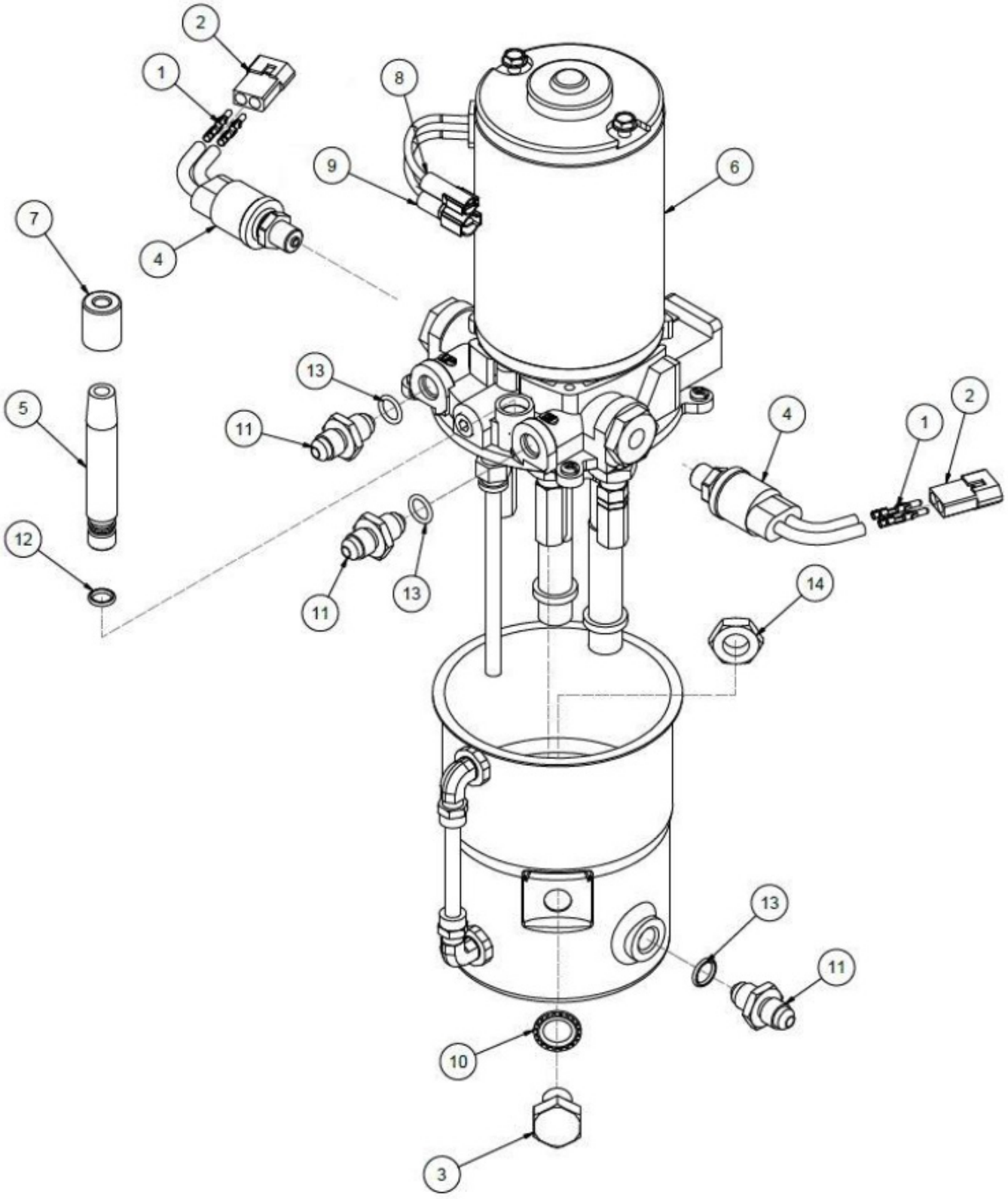
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A09000-279	ASSEMBLY, HYDRAULIC PUMP, C-170
1	1	1006819	ASSEMBLY, BRACKET, HYDRAULIC PUMP, 12V
2	1	1009550	ASSEMBLY, HYDRAULIC PUMP, HFLS 12V
3	2	MS16997-96	SOCKET HEAD CAP SCREW
4	2	MS35338-46	WASHER, SPLIT, CARBON STEEL
5	4	NAS1149F0363P	WASHER, 0.203 ID, 0.063 THK, STEEL

HYDRAULIC BRACKET ASSEMBLY 1006819 PRE SERVICE LETTER 233



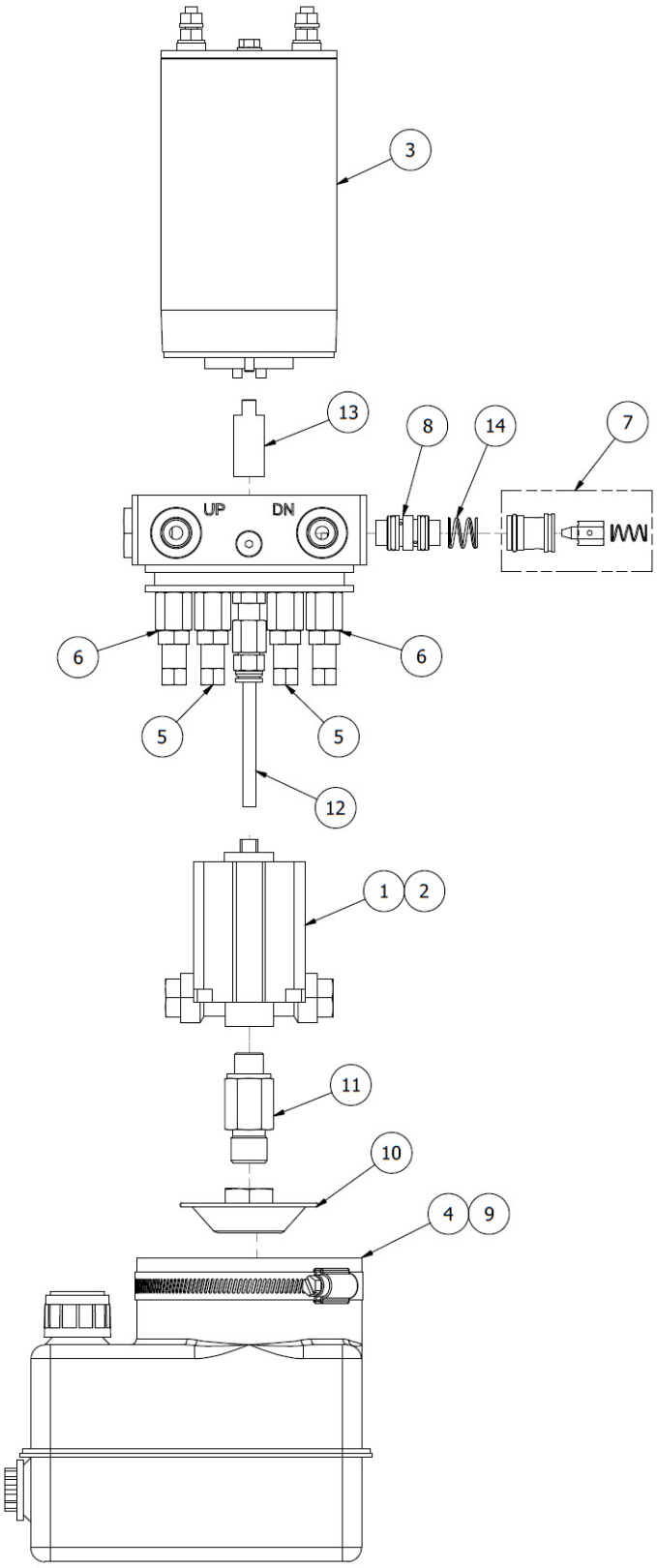
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	1006819	ASSEMBLY, BRACKET, HYDRAULIC PUMP, 12V
1	3	0-332-209-137	RELAY, 12V, 5 PRONG
2	4	02-09-1104	PIN, CRIMP FEMALE, 1/8" DIA
3	2	03-09-1022	CONNECTOR PLUG, MALE, 2 CONN.
4	14	1-901-355-917	TERMINAL
5	1	1004949	CABLE, DIODE ADAPTOR
6	1	1012411	ASSEMBLY, RELAY, TIME DELAY RELEASE, 6-48 VDC
7	1	1009143-01	PLACARD, K1 INDICATOR
8	1	1009143-02	PLACARD, K2 INDICATOR
9	1	1009143-03	PLACARD, K3 INDICATOR
10	1	1009144-01	PLACARD, CR INDICATOR
11	1	1009144-02	PLACARD, AC INDICATOR
12	3	1N4004	DIODE, 2-1/2"
13	2	206062-3	CLAMP, CABLE, CPC SIZE 11
14	1	206429-1	PLUG, MALE, CPC SIZE 1, 4 PIN
15	1	206430-2	CPC FREE HANG, 4 PIN, FEMALE
16	1	21A09000-278	ASS'Y, BRACKET - HYDRAULIC PUMP-170
17	6 FT	22759-16-12-9	WIRE, 12 AWG, WHITE
18	10.1 FT	22759-16-20-9	WIRE, 20 AWG, WHITE
19	1	3453LF2A	FUSE HOLDER
20	1	6-140	TERMINAL BLOCK, 6 CONNECTOR
21	3	66103-4	PIN, CRIMP SOCKET, 24-20G
22	3	66105-4	CRIMP SOCKET, FEMALE
23	3	73F-250-32-NL	CONNECTOR, FEMALE, 10-12 AWG
24	3	73M-250-32-NL	CONNECTOR, MALE, 10-12 AWG
25	1	AGC-1	FUSE, 250V, (S2565-1)
26	3	AN3-3A	BOLT, 10-32, 0.0625 GRIP, UNDRILLED, STEEL
27	2	AN526C632R8	SCREW, TRUSS HEAD MACHINE, 6-32 THREAD, 1/2" LENGTH
28	3	BR05-FW	SOCKET, 5 PRONG, PLASTIC
29	1.5 FT	HS105-3/16-0	HEAT SHRINK, TUBING, BLACK
30	2	MS21044N06	NUT, SELF LOCK, (250 DEG), NYLON INSERT, 6-32
31	3	MS21044N3	NUT, LOCKING, REGULAR HEIGHT, 10-32 UNF
32	12	MS25036-102	RING TERMINAL, #6 STUD, 16-22 AWG, RED
33	1	MS35489-14	GROMMET, RUBBER
34	6	NAS1149F0332P	WASHER, 0.203 ID, 0.032 THK, STEEL

HYDRAULIC PUMP ASSEMBLY 1009550 PRE SERVICE LETTER 233



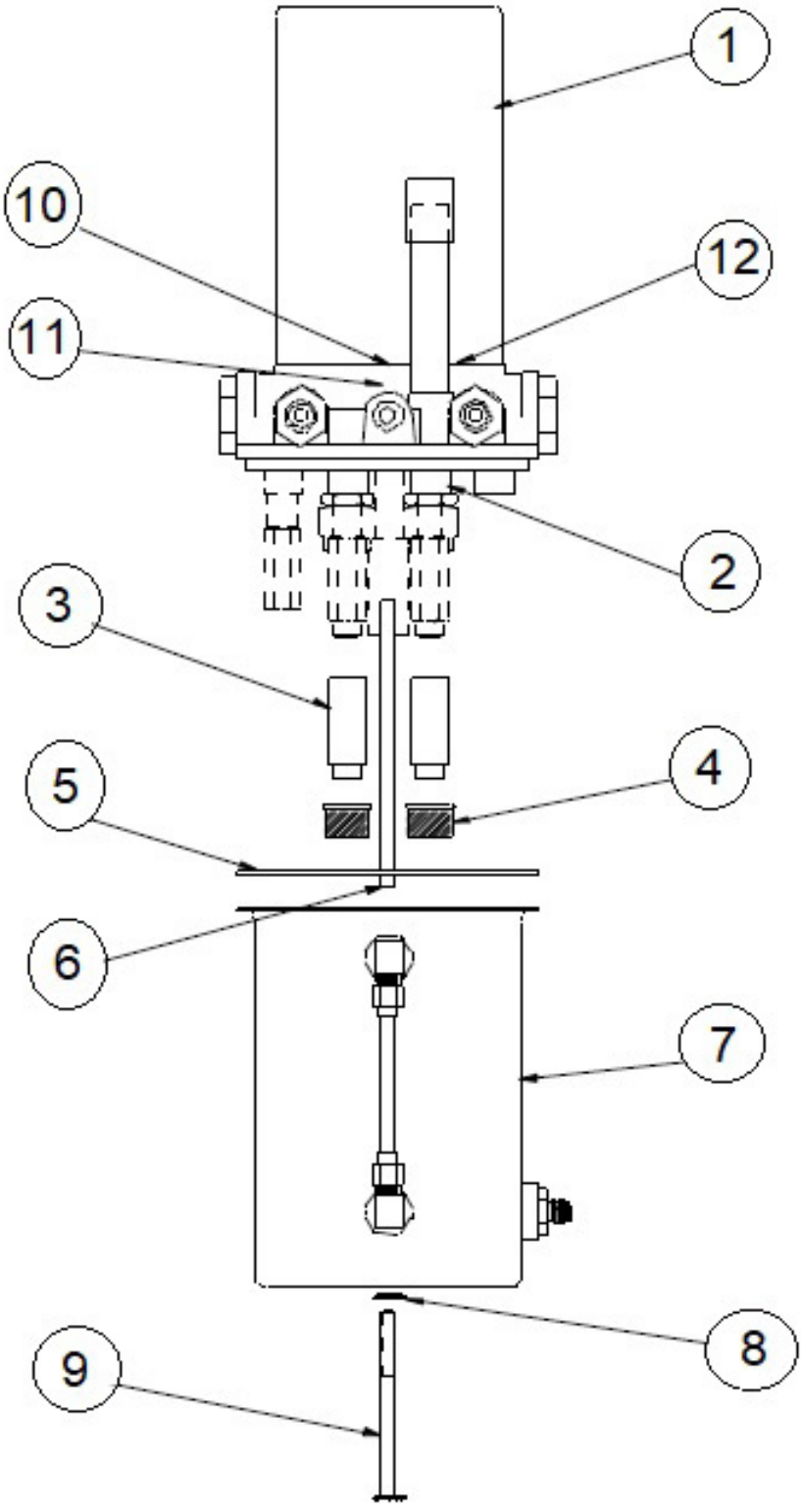
ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	1009550	ASSEMBLY, HYDRAULIC PUMP, HFLS 12V
1	4	02-09-2118	PIN, CRIMP MALE, 1/8" DIA
2	2	03-092022	CONNECTOR PLUG, FEMALE
3	1	1009547	PLUG, HYDRAULIC RESERVOIR
4	2	20PS001EB700W500W	PRESSURE SWITCH
5	1	21A09274-006	STAND PIPE, HYDRAULIC PUMP
6	1	640661	HYDRAULIC PUMP (SEE DETAIL)
7	1	6A09706-001	FILTER, HYDRAULIC PIPE
8	2	73F-250-32-NL	CONNECTOR, FEMALE, 10-12 AWG
9	2	73M-250-32-NL	CONNECTOR, MALE, 10-12 AWG
10	1	93786A200	PRESSURE-SEALING WASHER, M12
11	3	AN815-4D	UNION
12	1	MS28775-011	O RING, DIA 0.301
13	3	MS28775-012	O RING, HYDRAULIC PACKING, .364 ID
14	1	NJAM12X1.0CLZ	NUT, JAM, M12X1.0, ZINC

HYDRAULIC PUMP OVERVIEW POST SERVICE LETTER 233



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	610-0010	DC MOTOR, 12V, .8KW
4	1	622-0016	RESERVOIR, 1 QT.
5	2	631-0005	PRESSURE RELIEF VALVE
6	2	631-0006	THERMAL RELIEF VALVE
7	2	632-0004	ASSEMBLY, PILOT OPERATED CHECK VALVE
8	1	637-0024	SHUTTLE VALVE
9	1	681-0050	CLAMP, HOSE, 1 LITER PLASTIC RESERVOIR
10	1	682-0019	FILTER, PICKUP TUBE, HYDRAULIC PUMP
11	1	682-0055	SUCTION HEX TUBE
12	1	682-0056	RETURN TUBE
13	1	683-0011	COUPLING, MOTOR TO PUMP
14	2	685-0012	SPRING, SHUTTLE VALVE
15	1	687-0001	SEAL KIT, RESERVIOR O-RING, PILOT OPERATED RELIEF VALVE O-RING, THERMAL AND PRESSURE RELIEF VALVE O-RING (NOT SHOWN)

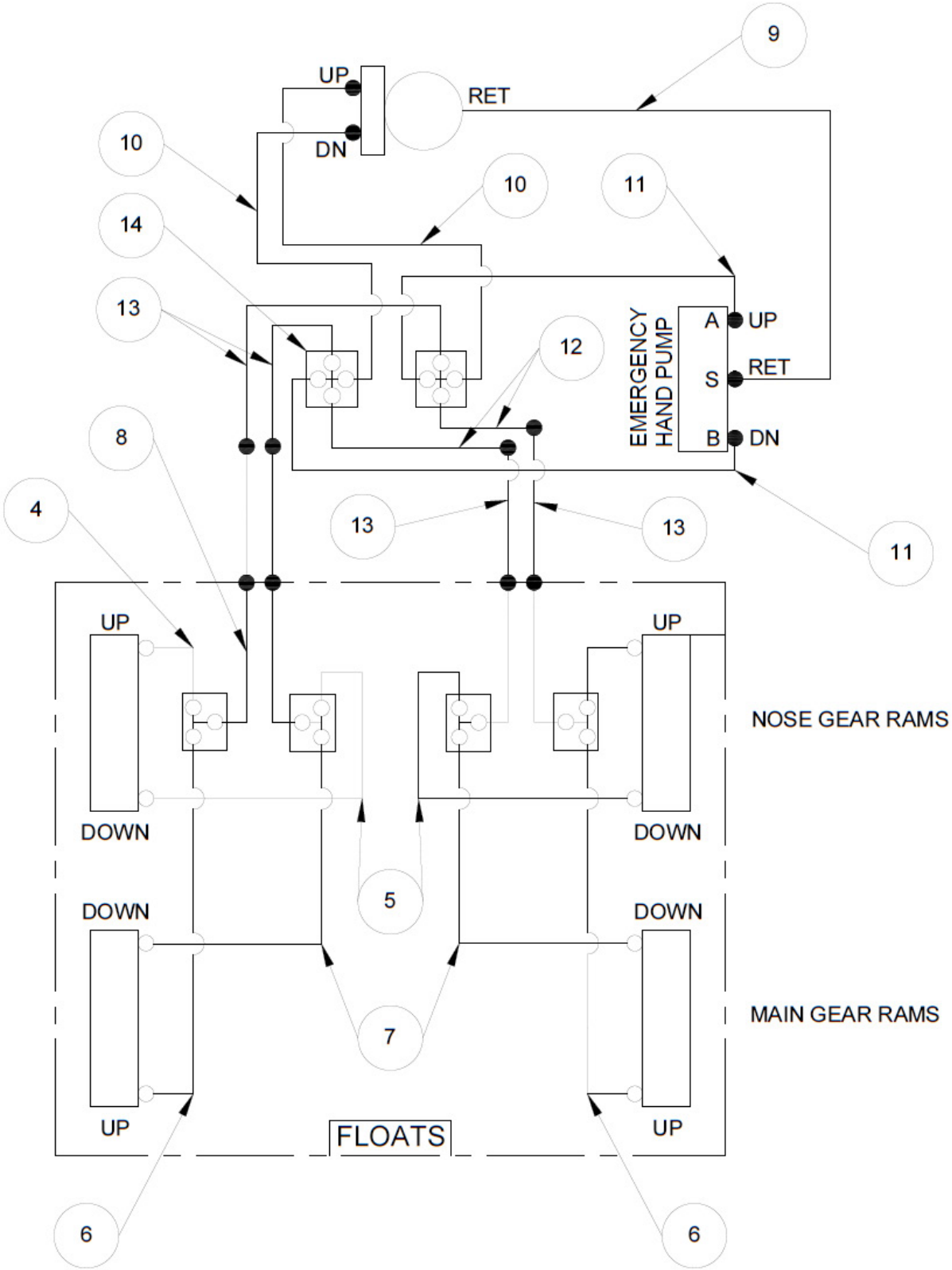
HYDRAULIC PUMP OVERVIEW PRE SERVICE LETTER 233

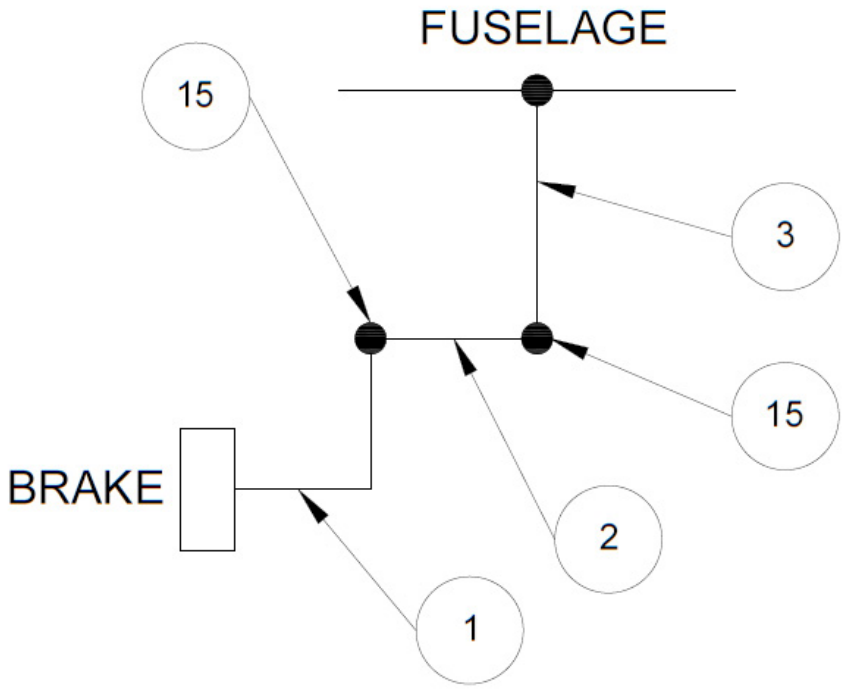


ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	21A09000-215	HYDRAULIC PUMP ASSY. (12V)
	1	640661	MOTOR (12V)
2	1	634873	BASIC PUMP
3	2	362136	TUBE EXTENSIONS
4	2	410521*	FILTER
5	1	410578*	SEAL RESERVIOR
6	1	365047	RETURN TUBE
7	1	775260	RESERVIOR – GAUGE ASSY.
8	1	415067	SEAL THREAD
9	1	409715*	SCREW – RESERVIOR ATTACH
10	1	361183*	COUPLING – MOTOR TO PUMP
11	1	410512	SEAL – PUMP SHAFT
12	1	405673	O RING, 1-3/4" DIA

* Reference Wipaire drawing 1011065 for alternate part numbers.

HYDRAULIC & BRAKE SCHEMATIC





BRAKE SCHEMATIC

ITEM	QTY	PART NO.	PART DESCRIPTION
1	2	21A04000-078	ASSEMBLY, HOSE, BRAKE LINE, FLEX
2	2	21A04000-079	ASSEMBLY, HOSE, BRAKE LINE, HARD
3	2	21A09000-080	ASSEMBLY, HOSE, BRAKE LINE
4	2	21A09000-218	ASSEMBLY HOSE, NOSE UP TO TEE
5	2	21A09000-219	ASSEMBLY, HOSE, NOSE DOWN TO TEE
6	2	21A09000-220	ASSEMBLY, HOSE, MAIN UP TO TEE
7	2	21A09000-221	ASSEMBLY, HOSE, MAIN DOWN TO TEE
8	4	21A09000-222	ASSEMBLY, HOSE, TEE TO TOP DECK
9	1	21A09000-226	ASSEMBLY, HOSE, PUMP RESERVOIR TO HAND PUMP
10	2	21A09000-227	ASSEMBLY, HOSE, PUMP TO 4 WAY TEE
11	2	21A09000-228	ASSEMBLY, HOSE, HAND PUMP TO 4 WAY TEE
12	2	21A09000-229	ASSEMBLY, HOSE, RIGHT FLOAT TO 4 WAY TEE
13	4	21A09000-230	ASSEMBLY, HOSE, FUSELAGE TO FWD DECK FITTINGS
14	2	AN827-4D	CROSS FITTING, FLARED TUBE
15	2	AN833-3D	HYDRAULIC FITTING, 90° ELBOW
	2	NAS1149D0663J	WASHER, 0.39 ID, 0.063 THK, ALUMINUM
	2	AN924-3D	NUT, TUBE, 3/8-24 THREAD

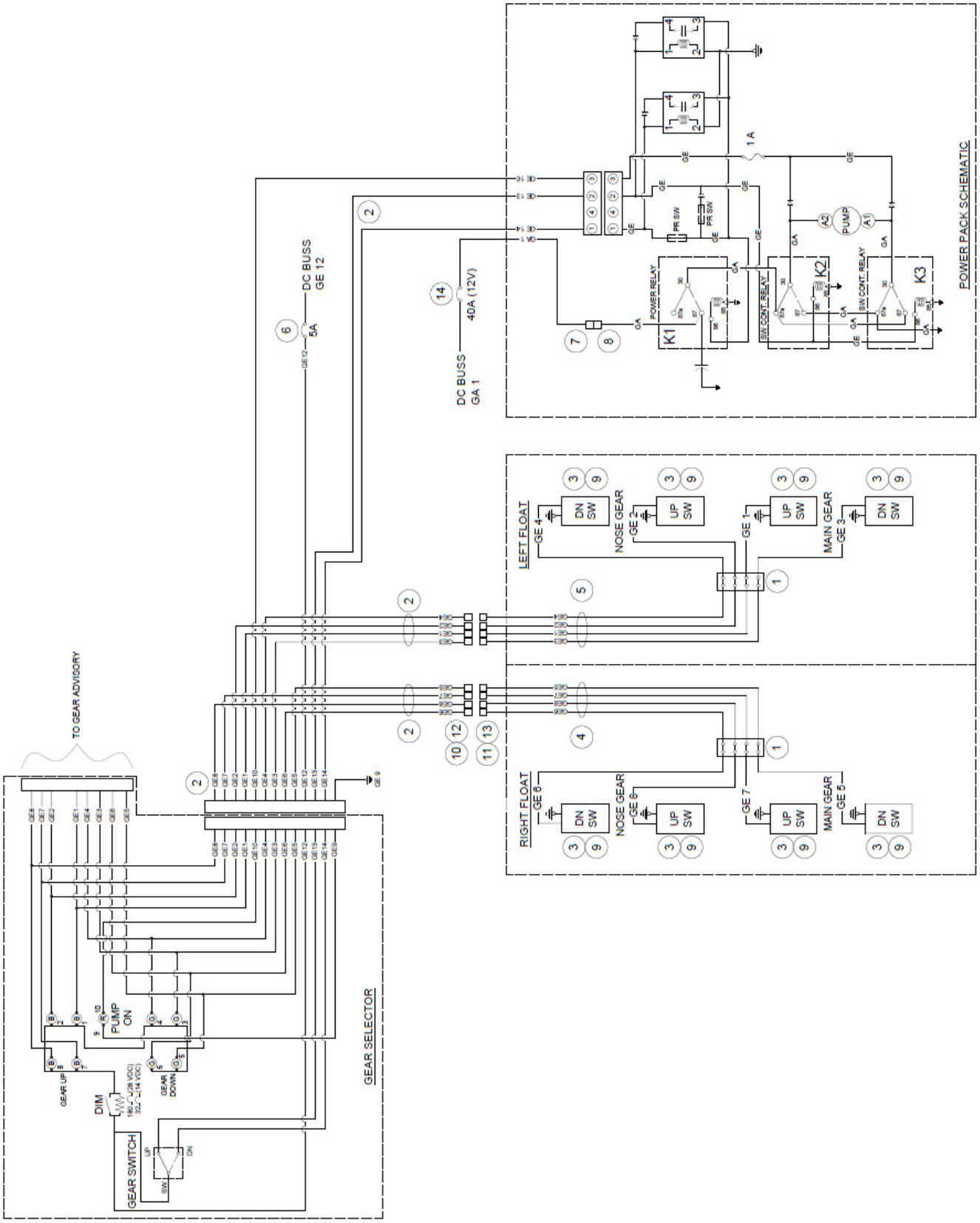
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SECTION 11
ELECTRICAL

CONTENTS

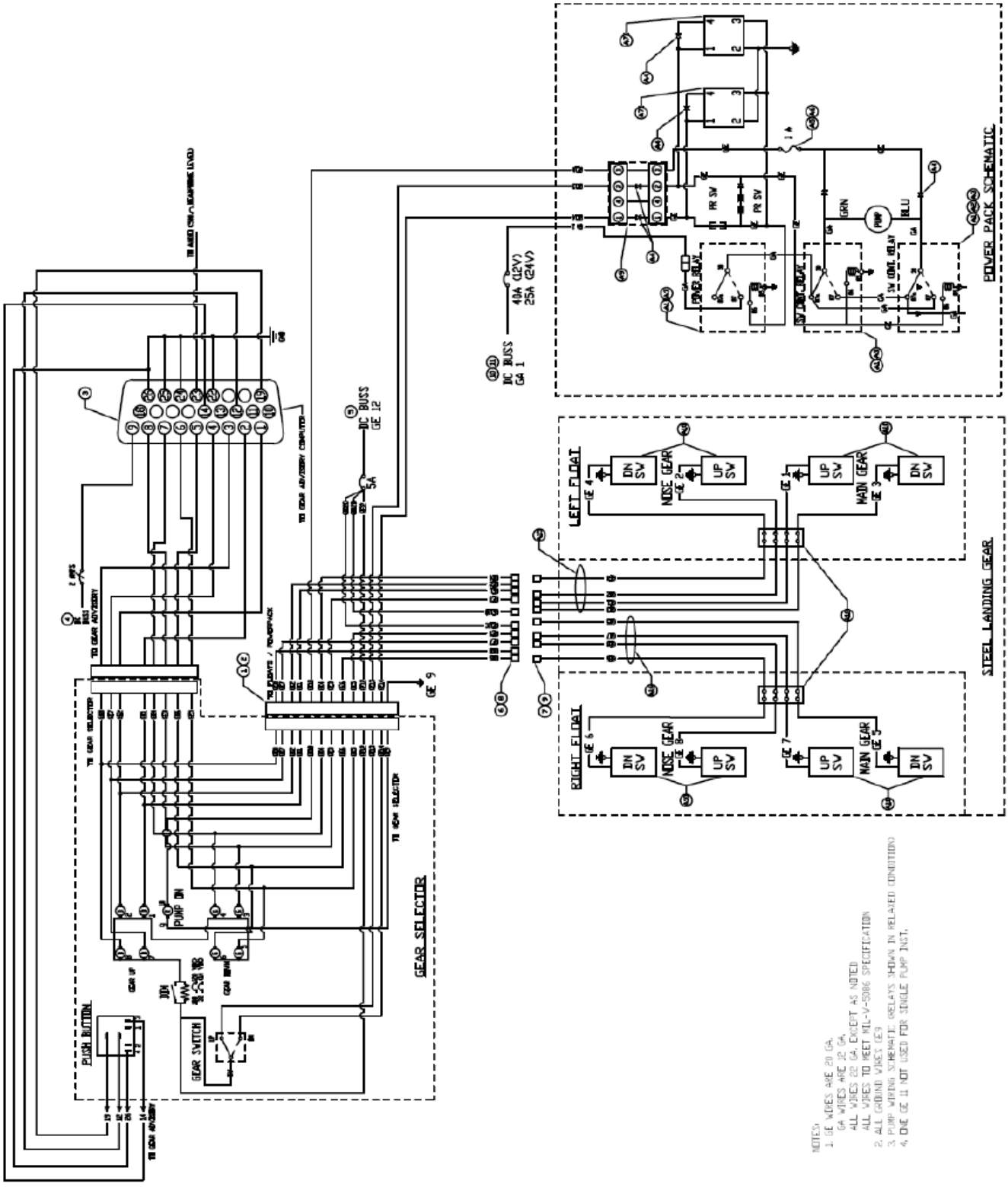
ELECTRICAL SCHEMATIC POST SERVICE LETTER 233 120
ELECTRICAL SCHEMATIC PRE SERVICE LETTER 233 122
GEAR CONTROL (ROUND) 124
GEAR CONTROL (RECTANGLE) 127

ELECTRICAL SCHEMATIC POST SERVICE LETTER 233



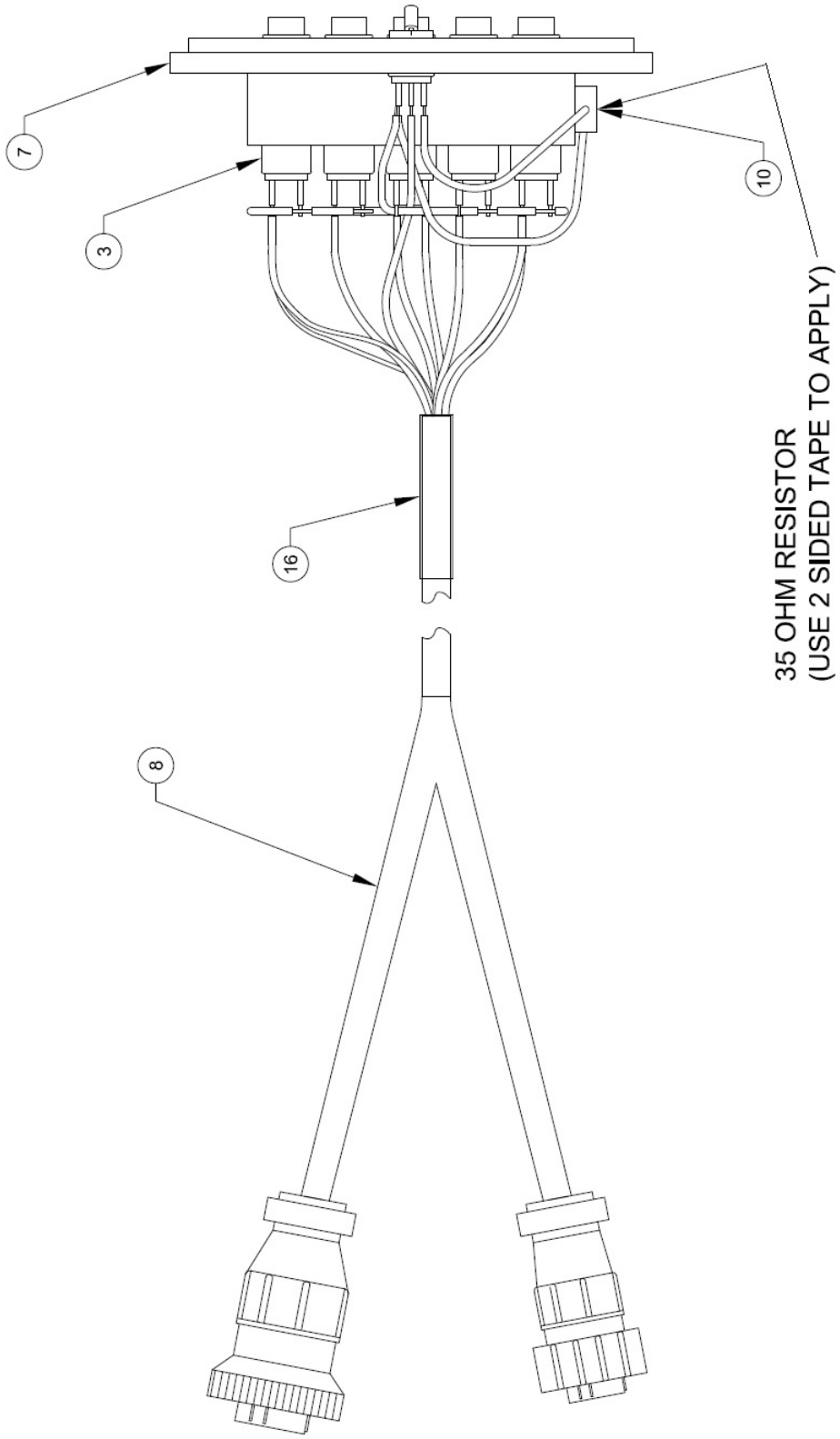
ITEM	QTY	PART NO.	PART DESCRIPTION
1	2	4-140	TERMINAL BLOCK, 4 POSITION
2	1	4A11000-011	WIRE HARNESS, GEAR SELECTOR, FLOATS, HYD. PUMP
3	8	5801	GEAR POSITION SWITCH, PROXIMITY, MAGNETIC
4	1	6A10000-004	WIRE HARNESS, LEFT FLOAT
5	1	6A10000-005	WIRE HARNESS, RIGHT FLOAT
6	1	7277-2-5	CIRCUIT BREAKER, 5 AMP
7	1	73F-250-32-NL	CONNECTOR, FEMALE, 12-10 AWG
8	1	73M-250-32-NL	CONNECTOR, MALE, 12-10 AWG
9	8	21A09005-262	CLIP, GEAR POSITION SWITCH HOLDER
10	8	S1635-1	PIN
11	8	S1636-1	SOCKET
12	8	S1637-1	HOUSING
13	8	S1637-2	HOUSING
14	1	W23-X1A1G-40	CIRCUIT BREAKER, 40 AMP, 12VDC

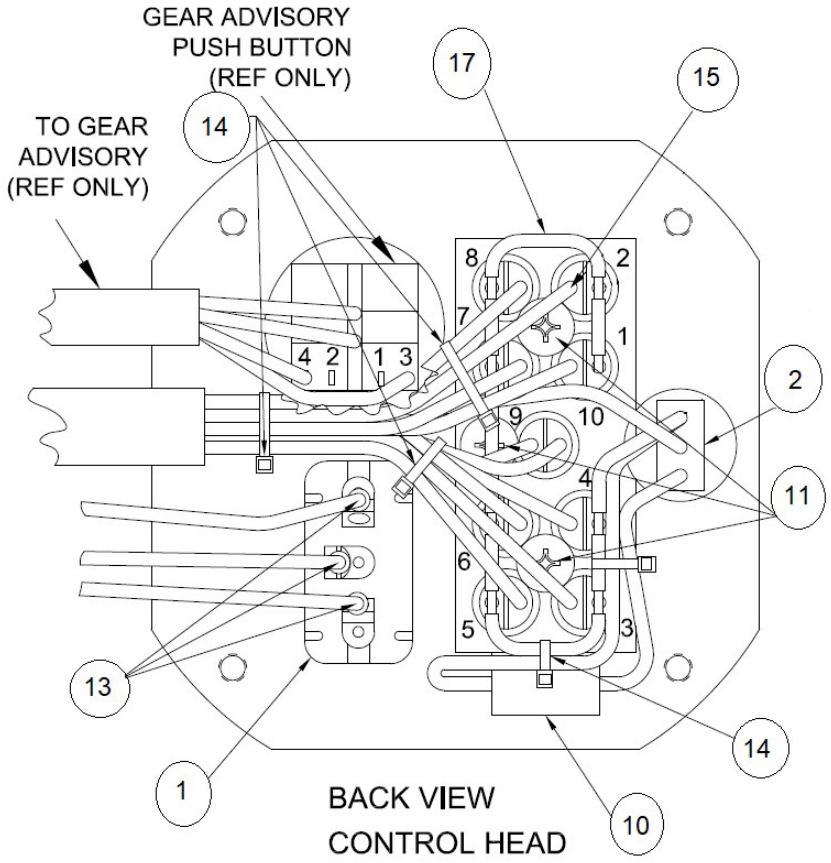
ELECTRICAL SCHEMATIC PRE SERVICE LETTER 233

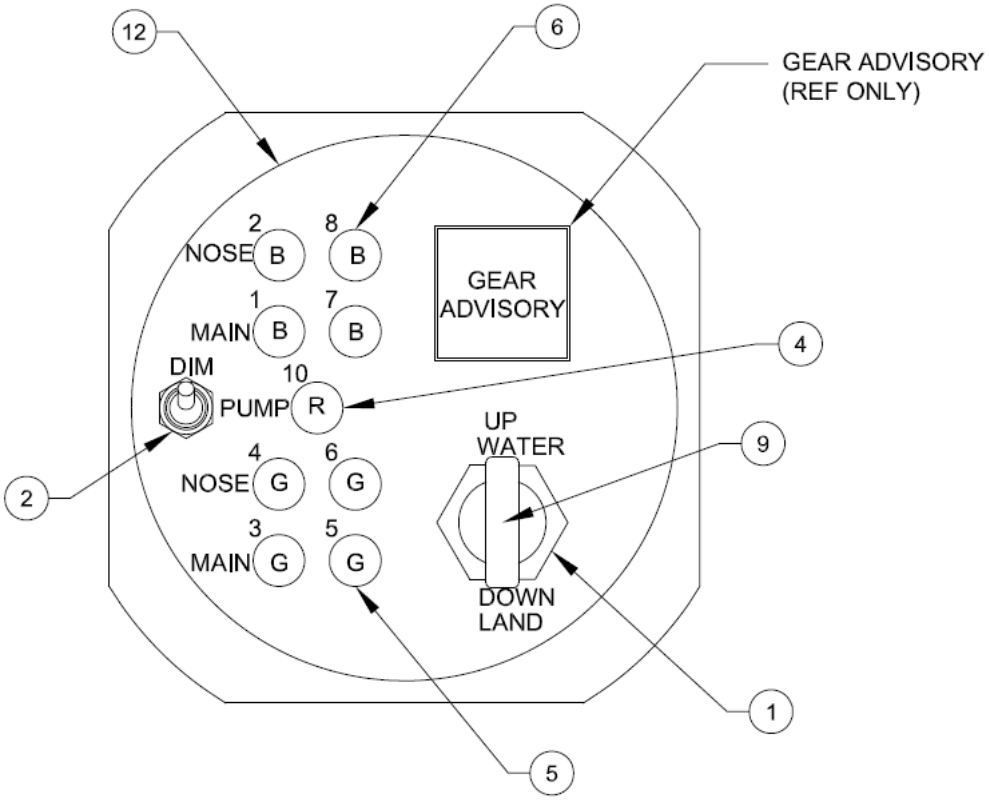


ITEM	QTY	PART NO.	PART DESCRIPTION
1	1	4A11000-011	ASSEMBLY, GEAR SELECTOR WIRING HARNESS
3	1	4A11000-014	ASSEMBLY, WIRING HARNESS, GEAR ADVISORY
4	1	7277-2-2	KLIXON CIRCUIT BREAKER, 2 AMP
5	1	7277-2-5	KLIXON CIRCUIT BREAKER, 5 AMP
6	8	S1635-1SF	PIN
7	8	S1636-1	SOCKET
8	8	S1637-1	HOUSING
9	8	S1637-2	HOUSING
11	1	W-23-X1A1G-40	BREAKER, CIRCUIT, 40AMP
A1	3	0-332-209-211	RELAY, 24V, 5 PRONG
A3	3	BR05FW	SOCKET, 5 PRONG, PLASTIC
A4	7	1N4004	DIODE, 2-1/2"
A5	1	AGC-1	FUSE, 250V, (S2565-1)
A6	1	3453LF2A	FUSE HOLDER
A7	2	1012411	ASSEMBLY, RELAY, TIME DELAY RELEASE, 6-48 VDC
A9	1	1004949	CABLE, DIODE ADAPTER
A10	8	5801	SWITCH, SENSOR
A12	2	4-140	4 LUG TERMINAL BLOCK
A15	1	6A10000-004	ASSEMBLY, WIRE HARNESS, LEFT FLOAT
A16	1	6A10000-005	ASSEMBLY, WIRE HARNESS, RIGHT FLOAT

GEAR CONTROL (ROUND)

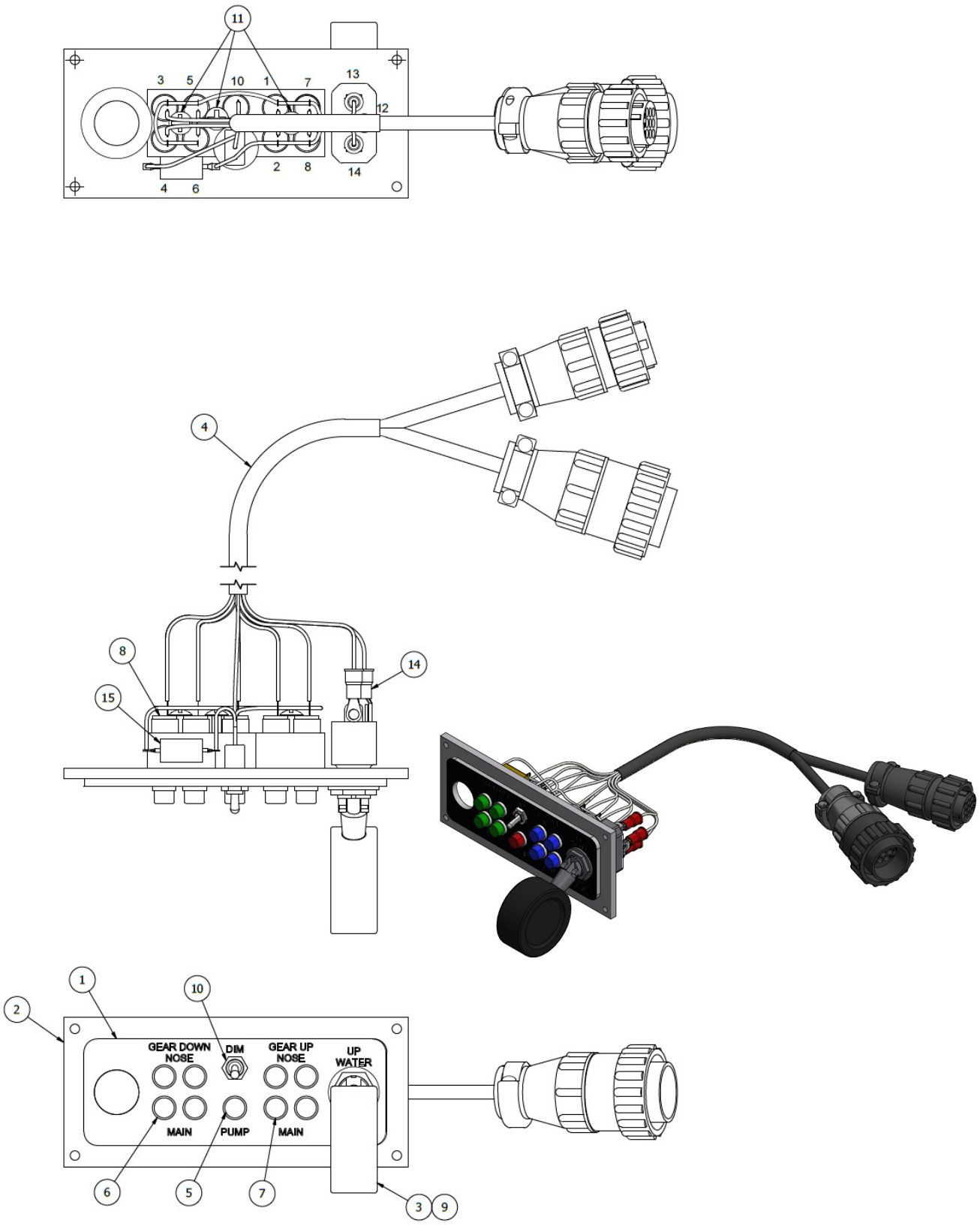



GEAR ADVISORY
PUSH BUTTON
(REF ONLY)
TO GEAR
ADVISORY
(REF ONLY)
14
17
15
8
2
7
1
4 2
1 3
2
9
10
4
11
6
5
3
13
14
1
10
BACK VIEW
CONTROL HEAD


12
6
GEAR ADVISORY
(REF ONLY)
2
NOSE
B
8
B
GEAR
ADVISORY
1
MAIN
B
7
B
4
DIM
10
PUMP
R
UP
WATER
9
2
4
NOSE
G
6
G
3
MAIN
G
5
G
DOWN
LAND
1
5

ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A11000-009	GEAR SELECTOR ASSY. ROUND (12V)
1	1	8857K44	SWITCH
2	1	A101SYCB	TOGGLE SWITCH, SPDT, ON-ON
3	9	515-0012	SOCKET
4	1	507-3914-1431-600F	INDICATOR LAMP, 14V, RED
5	4	507-3914-1432-600F	INICATOR LAMP, 14V, GREEN
6	4	507-3914-1434-600F	INDICATOR LAMP, 14V, BLUE
7	1	21A11179-001	BLOCK, GEAR CONTROL
8	1	4A11000-008	HARNESS ASSEMBLY, GEAR SELECTOR
9	1	21A11259-003	GEAR SWITCH KNOB
10	1	RH-5-35	RESISTOR, 14V, DALE RH5 5W
11	3	AN526-632R8	SCREW, TRUSS HEAD, 6-32
12	1	10B3-6202	PLACARD, ROUND 2100 GEAR SELECTOR
13	3	R-3	RING CONNECTOR, #6, 20 AWG, RED
14	5	PLT1M-M	CABLE TIE
15	16 IN	HIXR-3/16	SHRINK WRAP, 3/16, WHITE
16	3 IN	HS105-1/2-0	HEAT SHRINK TUBING
17	6 IN	22759-16-20-9	WIRE, 20 AWG, WHITE

GEAR CONTROL (RECTANGLE)



ITEM	QTY	PART NO.	PART DESCRIPTION
-	1	21A11000-010	ASSEMBLY, INDICATOR, GEAR CONTROL, SQUARE, 12V
1	1	10B3-6277	PLACARD, GEAR CONTROL SQUARE
2	1	21A11179-002	BLOCK GEAR CONTROL SQUARE
3	1	21A11259-003	GEAR SWITCH KNOB
4	1	4A11000-008	WIRING HARNESS ASSY. SELECTOR
5	1	507-3914-1431-600F	LAMP LIGHT, RED 14V
6	4	507-3914-1432-600F	LAMP LIGHT, GREEN 14V
7	4	507-3914-1434-600F	LAMP LIGHT, BLUE, 14V
8	9	515-0012	SOCKET
9	1	8857K44	SWITCH
10	1	A101SYCB	TOGGLE SWITCH
11	3	AN526C632R8	SCREW, TRUSS HEAD MACHINE, 6-32 THREAD, 1/2" LENGTH
12	12"	HS105-3/32-0	HEAT SHRINK, TUBING - BLACK
13	8	PLT1M-M	CABLE TIE, NYLON, WHITE, 4" (SMALL)
14	3	R-3	TERMINAL, RING #6 STUD, 16-22 AWG, RED
15	1	RH-5-35	RESISTOR, 14V, DALE RH5 5W