



WIPLINE FLOATS • SKIS • MODIFICATIONS • AIRCRAFT SALES
AVIONICS • INTERIOR • MAINTENANCE • PAINT REFINISHING



PARTS MANUAL
FOR
WIPLINE MODEL 2100
AMPHIBIOUS AND SEAPLANE FLOATS
PA-18, PA-12

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WIPLINE MODEL 2100 FLOAT PARTS MANUAL

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NOTE:

Any information not found in this manual for 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 the Wipaire Customer Service department.

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LOG OF REVISIONS

Revision	Pages Effected	Description	Date
A	54-59	ADDED FIGURE 14A & PARTS LIST FOR GROVE/WIPAIRE ASSEMBLY & REVISED TABLE OF CONTENTS.	12/13/05
B	43, 51	NOSE AND MAIN GEAR RETRACTION CYLINDER P/N CHANGED	3/20/06
C	20-26	Changed float deck cover P/Ns.	8/3/06
D	51	Changed P/Ns for Main Gear Bushings Added part number and revision to all pages	10/31/06
E	44, 51	Hydraulic Cylinder part number changes.	7/21/07
F	Multiple pages updated	Many pages changed with updated part numbers for parts. New figure added for water rudder.	9/1/10
G	ALL	Reformatted entire manual, update to Part Sales Dept page, added new warranty and customer information, updated hyd. pump, gear selector, electrical schematic images and BOMS, corrected multiple clerical errors and incorrect part/item callouts, added Grove Nose wheel Added Grove Nose Wheel, washer 415067 was 359071, updated electrical schematic figure, added 21A06476-003 to Grove Nose wheel, added 05DU06 to Water Rudder figure	4/22/14
H	3	Removed Warranty Claim Form	3/31/16

You may also look at the latest parts manual at www.wipaire.com.

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

FLOAT PART SALES DEPT. OPERATIONS

Hours: 8 AM - 6 PM, Monday through Friday
Central U.S. Time

Phone: 651-306-0459

Fax: 651-306-0666

Email: customerservice@wipaire.com

Website: www.wipaire.com

SHIPPING SCHEDULE:

In stock standard parts orders ship by the end of the next business day. Urgent and AOG orders will be shipped the same day subject to parts availability and may be assessed an AOG fee for special priority handling.

Partial orders will be shipped unless the customer requests that the order only be shipped complete.

Backordered items will be shipped the same day in which they become available.

As we are primarily a manufacturer, our stocks can be rapidly depleted by production requirements. Therefore, prices and availability are subject to change at any time. It is our intent to provide courteous and prompt service of your needs. Please let us know of any problems or concerns so that changes in these procedures can be a benefit for all.

PARTS ORDERING

Purchase orders should include

1. P.O. Number
2. Name of person placing order
3. Invoicing information:
 - I. Customer name, company or individual
 - i. Address
 - ii. Phone and fax number
4. Shipping information:
 - I. Address (if different from invoice address)
 - II. 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, COD (U.S. customers only). Pre-payment by check or wire transfer, open account (see credit policy section).

DAMAGED GOODS

Inspect all parts upon receipt. Damages to parts in transit must be filed as a claim against the carrier.

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RETURNED PARTS

Written explanation of reason for return must accompany parts, including invoice number of original shipment. Shipping charges on returned parts must be prepaid or the shipment will be refused.

ORDER SHORTAGES

Check shipment against delivery slip immediately. All claims for any shortages should be made within three (3) days after order receipt.

CREDIT POLICY

Parts will be shipped on open account, net 30 days, to Wipaire-approved credit customers only. A balance due over 60 days will result in no shipments. Wipaire, Inc reserves the right to send any order C.O.D.

LIST OF ABBREVIATIONS

All references in this manual to LEFT and RIG HT 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
ASS'Y.	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



NEW CUSTOMER INFORMATION

Customer Name	
Billing Address	
Shipping Address	
Phone Number	Fax Number
Purchasing Contact	Phone Number
E-Mail	Fax Number
Accounts Payable Contact	Phone Number
E-Mail	Fax Number
Type(s) of Aircraft Owned or Maintained	
Model(s) of Floats and Skis Owned or Maintained	
FedEx and/or UPS account number (if applicable)	

Please return to Wipaire Customer Service:

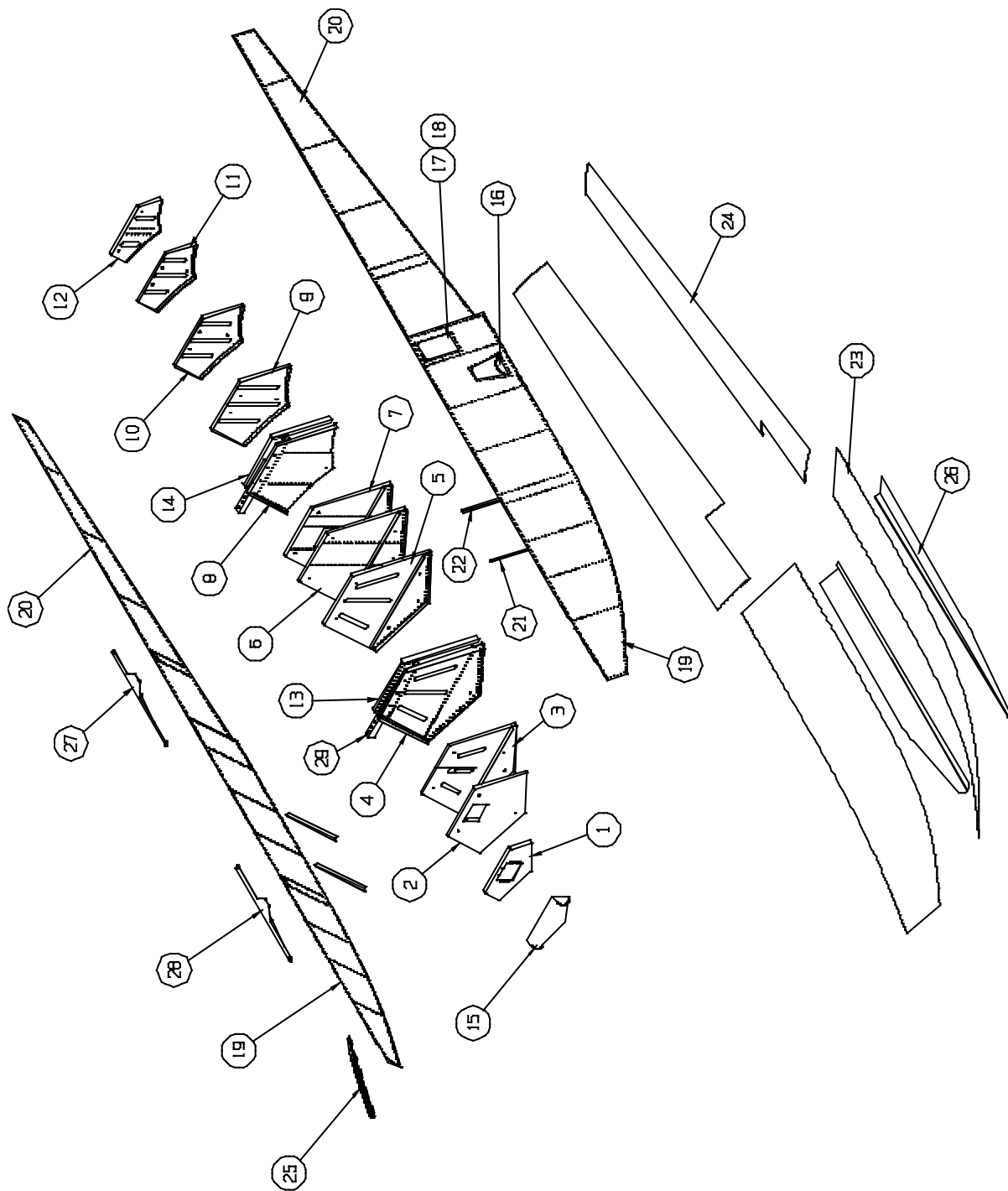
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SECTION 1: HULL ASSEMBLY - AMPHIBIAN AND STRAIGHT



HULL ASSEMBLY, AMPHIBIAN
FIGURE 1

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 1: HULL ASSEMBLY-AMPHIBIAN PART DESCRIPTION	PART NO.
1	1	BULK. #1	21A01163-067
2	1	ASS'Y., BULK. #3	21A01000-265
	1	BULK.	21A01158-184
	1	ANGLE, NOSE BOX ATTACH	21A01326-006
	1	ANGLE, NOSE BOX ATTACH	21A01326-005
3	1	ASS'Y., BULK. #4	21A01000-261
	1	BULK., MAIN	21A01158-174
	1	SUPPORT, BULK., LWR.	21A01158-175
	1	CLAMP, PUMP OUT TUBE	3A01158-003
4	1	ASS'Y., BULK. #5	21A01000-253
	1	BULK. , MAIN	21A01158-178
	1	ANGLE, SIDE L.	21A01326-007
	1	ANGLE, SIDE R.	21A01326-008
	1	PANEL, SPR. BAR	21A01163-066
	1	SUPPORT, BULK. #6	21A01158-177
	1	CLAMP, PUMP OUT TUBE	3A01158-003
5	1	ASS'Y.,BULK. #6	21A01000-252
	1	BULK., MAIN	21A01158-189
	1	SUPPORT, BULK., LWR.	21A01158-177
	1	GROMMET	MS35489-19
6	1	ASS'Y. BULK. #7, L.	21A01000-267
	1	BULK., MAIN	21A01158-181
	1	SUPPORT, BULK., LWR.	21A01158-187
	1	ASS'Y., BULK. #7, R.	21A01000-266
	1	BULK., MAIN	21A01158-182
	1	SUPPORT, BULK., LWR	21A01158-188
7	1	ASS'Y., BULK. #8, L.	21A01000-263
	1	BULK., MAIN	21A01158-191
	1	SUPPORT, BULK., LWR.	21A01158-193

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 1: HULL ASSEMBLY-AMPHIBIAN PART DESCRIPTION	PART NO.
	1	ANGLE, A.B. SKIN ATTACH L.	21A01158-179
	1	ANGLE, A.B. SKIN ATTACH R.	21A01158-180
	1	ASS'Y. BULK. #8, R.	21A01000-264
	1	BULK., MAIN	21A01158-190
	1	SUPPORT, BULK., LWR	21A01158-192
	1	ANGLE, A.B. SKIN ATTACH L.	21A01158-179
	1	ANGLE, A.B. SKIN ATTACH R.	21A01158-180
8	1	ASS'Y., BULK. #10	21A01000-262
	1	BULK., MAIN	21A01158-169
	1	ANGLE SIDE L.	21A01326-011
	1	ANGLE SIDE R.	21A01326-012
	1	PANEL, SPR. BAR	21A01163-066
9	1	BULK. #11	21A01000-395
10	1	BULK. #12	21A01000-396
11	1	BULK. #13	21A01000-397
12	1	ASS'Y. BULK. #14	21A01000-250
	1	BULK., MAIN	21A01158-164
	1	CHANNEL, REIN.	21A01158-165
	1	PLATE, WATER RUDDER STOP	21A08156-130
13	1	ASS'Y. SPR. BAR PANEL, FWD.	21A01000-260
	1	PANEL, SPR. BAR	21A01163-065
	1	ANGLE, SIDE L.	21A01326-013
	1	ANGLE, SIDE R.	21A01326-014
	1	BOLT	AN4-5A
	1	WASHER	NAS1149F0463P
	1	NUT	MS21044N4
14	1	ASS'Y. SPR. BAR PANEL, AFT.	21A01000-259
	1	PANEL, SPR. BAR	21A01163-065
	1	ANGLE, SIDE L.	21A01326-009

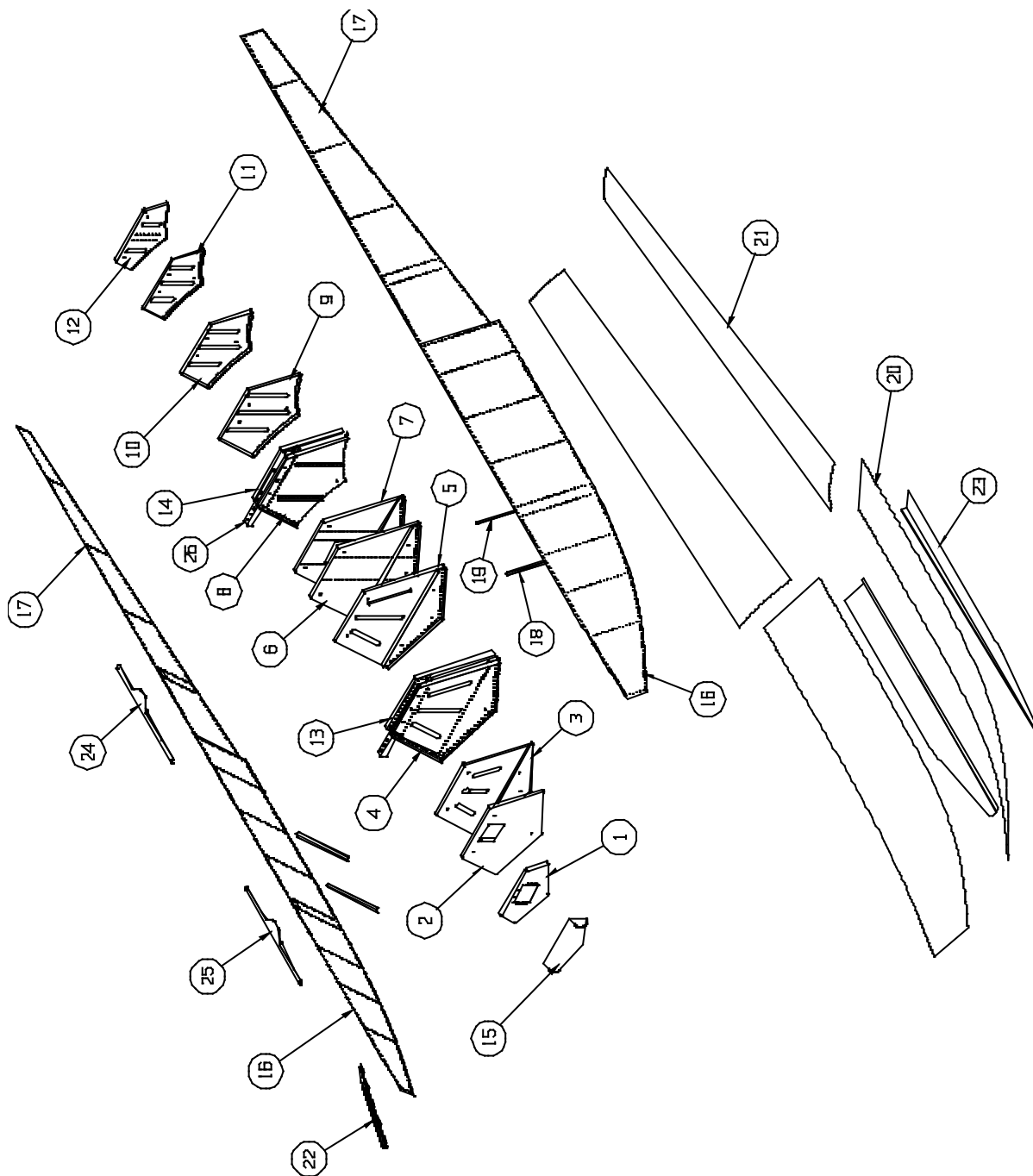
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ITEM	QTY	FIGURE 1: HULL ASSEMBLY-AMPHIBIAN PART DESCRIPTION	PART NO.
	1	ANGLE, SIDE R.	21A01326-010
	1	BOLT	AN4-5A
	1	WASHER	NAS1149F0463P
	1	NUT	MS21044N4
15	1	NOSE BUMPER	21A01000-295
16	1	STEP, BOARDING	3A01000-005
17	2	REINFORCEMENT, COVER	21A01156-126
18	2	CONVER, INSP. ASS'Y.	21A01000-427
	2	COVER, INSP.	21A01004-101
	2	GASKET	21A01567-012
	56	SCREW, ATTACH	AN526-632R6
19	1	SIDE SKIN, STEP TO BOW L. OUTBR'D	21A01004-093
	1	SIDE SKIN, STEP TO BOW R. OUTBR'D	21A01004-094
	1	SIDE SKIN, STEP TO BOW L. INBR'D	21A01004-095
	1	SIDE SKIN, STEP TO BOW R. INBR'D	21A01004-096
	1	BRACKET (PADDLE)	1002114
	1	STOP (RIGHT)	1002113
	1	CLIP	3A01503-001
	1	PADDLE 4 FT.	0238-0035
20	1	SIDE SKIN, STEP TO STERN L. OUTBR'D	21A01004-097
	1	SIDE SKIN, STEP TO STERN R. OUTBR'D	21A01004-098
	1	SIDE SKIN, STEP TO STERN L. INBR'D	21A01004-099
	1	SIDE SKIN, STEP TO STERN R. INBR'D	21A01004-100
		<i>NOTE: DIFFERENCE BETWEEN R. AND L. IS FINISH</i>	
21	2	STIFFENER, SIDE SKIN	21A01340-105
22	2	STIFFENER, SIDE SKIN	21A01340-104
23	1	ASS'Y. BOTTOM SKIN, FWD., L.	21A01000-307
	1	SKIN ALONE	21A01005-265

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ITEM	QTY	FIGURE 1: HULL ASSEMBLY-AMPHIBIAN PART DESCRIPTION	PART NO.
	1	ASS'Y., BOTTOM SKIN, FWD., R.	21A01000-306
	1	SKIN ALONE	21A01005-265
		(ASS'Y. INCLUDES BONDED STIFFENERS)	
	2	STIFFENER	21A01322-001
	2	STIFFENER	21A01322-002
	2	STIFFENER	21A01322-003
	2	STIFFENER	21A01322-004
	2	STIFFENER	21A01322-005
	6	STIFFENER	21A01322-006
24	1	BOTTOM SKIN AFTERBODY L.	21A01004-103
	1	BOTTOM SKIN AFTERBODY R.	21A01004-104
25	1	ASS'Y. SPRAY RAIL ,L.	21A01000-274
	1	ASS'Y. SPRAY RAIL, R.	21A01000-275
26	1	BOOSTER, SISTER KEEL L.	21A01000-429
	1	BOOSTER, SISTER KEEL R.	21A01000-428
27	1	DOUBLER, GUNWALL, AFT., L.	21A01162-033
	1	DOUBLER, GUNWALL , AFT., R.	21A01162-034
28	1	DOUBLER, GUNWALL, FWD., L.	21A01162-031
	1	DOUBLER, GUNWALL, FWD., R.	21A01162-032
29	2	TUBE, SPR. BAR MOUNTING	21A03115-001
	6	BOLT	AN4-22A
	12	WASHER	NAS1149D0416J
	12	WASHER	NAS1149D0463J
	6	NUT	MS21044N4

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HULL ASSEMBLY, SEAPLANE
FIGURE 2

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 2: HULL ASSEMBLY-SEAPLANE	
		PART DESCRIPTION	PART NO.
1	1	BULK. #1	21A01163-067
	1	COVER ASS'Y.	21501000-366
	1	COVER, NOSE GEAR OPENING	21S01150-134
	A/R	PLATE NUT	MS21059L3
2	1	ASS'Y., BULK. #3	21A01000-265
	1	BULK.	21A01158-184
	1	ANGLE, NOSE BOX ATTACH	21A01326-006
	1	ANGLE, NOSE BOX ATTACH	21A01326-005
3	1	ASS'Y., BULK. #4	21A01000-261
	1	BULK., MAIN	21A01158-174
	1	SUPPORT, BULK., LWR.	21A01158-175
	1	CLAMP, PUMP OUT TUBE	3A01158-003
4	1	ASS'Y., BULK. #5	21A01000-253
	1	BULK., MAIN	21A01158-178
	1	ANGLE, SIDE L.	21A01326-007
	1	ANGLE, SIDE R.	21A01326-008
	1	PANEL, SPR. BAR	21A01163-066
	1	SUPPORT, BULK., LWR.	21A01158-177
	1	CLAMP, PUMP OUT TUBE	3A01158-003
5	1	ASS'Y., BULK. #6	21A01000-252
	1	BULK., MAIN	21A01158-189
	1	SUPPORT, BULK., LWR.	21A01158-177
	1	GROMMET	MS35489-19
6	1	ASS'Y., BULK. #7	21S01000-308
	1	BULK., MAIN	21A01158-189
	1	SUPPORT, BULK., LWR.	21A01158-177
	1	CLAMP, PUMP OUT TUBE	3A01158-003
7	1	ASS'Y., BULK. #8	21S01000-309
	1	BULK., MAIN	21A01158-189
	1	SUPPORT, BULK., LWR.	21A01158-177

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 2: HULL ASSEMBLY-SEAPLANE PART DESCRIPTION	PART NO.
	2	ANGLE, A.B. SKIN ATTACH	21A01158-203
	1	CLAMP, PUMP OUT TUBE	3A01158-003
8	1	ASS'Y. , BULK. #10	21S01000-322
	1	BULK., MAIN	21A01158-169
	1	ANGLE, SIDE L.	21A01326-011
	1	ANGLE, SIDE R.	21A01326-012
	1	PANEL, SPR. BAR	21A01163-066
	2	ANGLE , VERTICAL	21S01340-129
	1	CLAMP, PUMP OUT TUBE	3A01158-003
9	1	BULK. #11	21A01000-395
10	1	BULK. #12	21A01000-396
11	1	BULK. #13	21A01000-397
12	1	ASS'Y., BULK. #14	21A01000-250
	1	BULK., MAIN	21A01158-164
	1	CHANNEL, REIN.	21A01158-165
	1	PLATE, WATER RUDDER STOP	21A08156-130
13	1	ASS'Y., SPR. BAR PANEL, FWD.	21A01000-260
	1	PANEL, SPR. BAR	21A01163-065
	1	ANGLE, SIDE L.	21A01326-013
	1	ANGLE, SIDE R.	21A01326-014
	1	BOLT	AN4-5A
	1	WASHER	NAS1149F0463P
	1	NUT	MS21044N4
14	1	ASS'Y. SPR. BAR PANEL AFT	21A01000-259
	1	PANEL, SPR. BAR	21A01163-065
	1	ANGLE, SIDE L.	21A01326-009
	1	ANGLE, SIDE R.	21A01326-010
	1	BOLT	AN4-5A
	1	WASHER	NAS1149F0463P

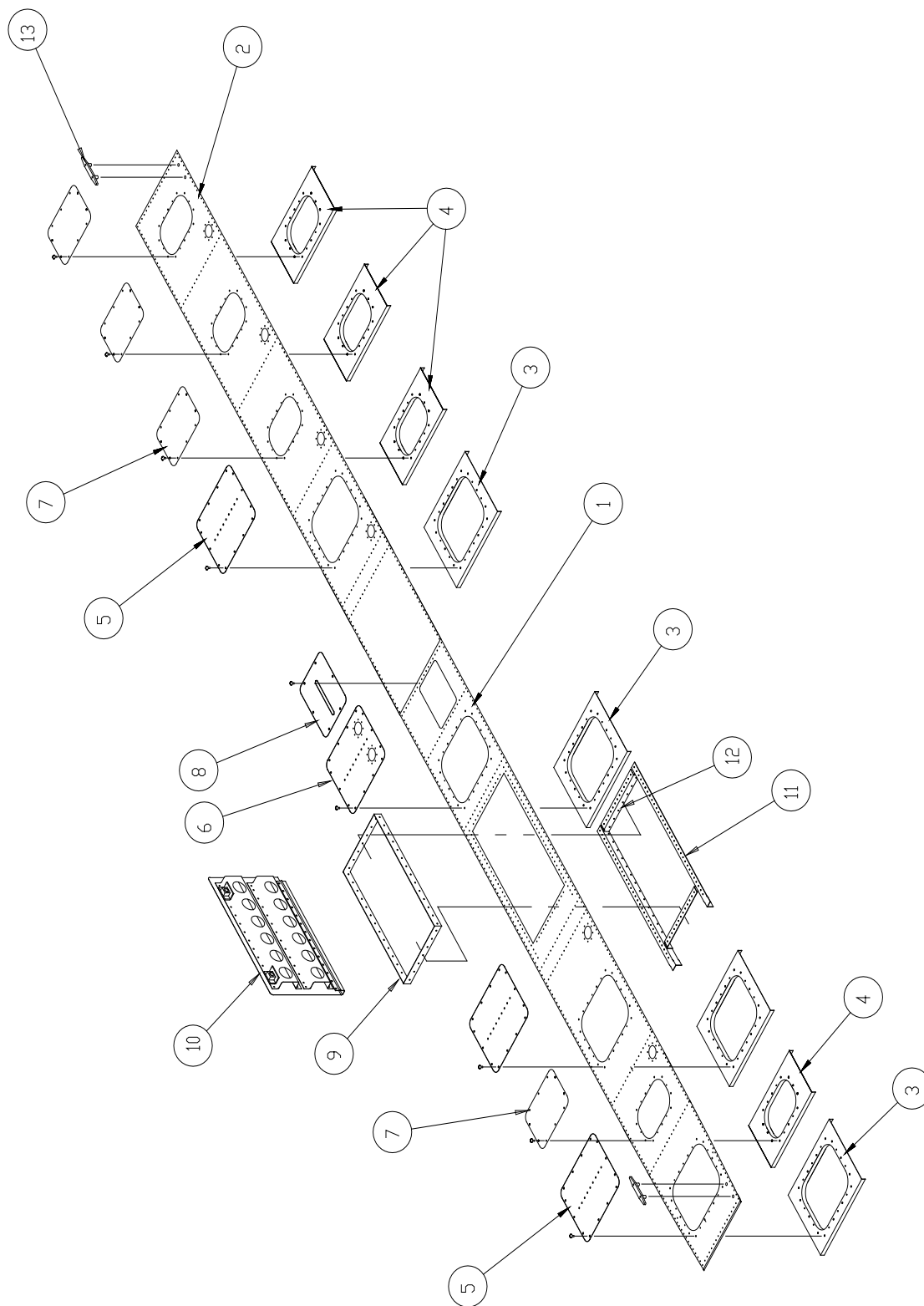
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ITEM	QTY	FIGURE 2: HULL ASSEMBLY-SEAPLANE PART DESCRIPTION	PART NO.
	1	NUT	MS21044N4
15	1	NOSE BUMPER	21S01738-001
16	1	SIDE SKIN, STEP TO BOW L. OUTBR'D	21S01004-123
	1	SIDE SKIN, STEP TO BOW R. OUTBR'D	21S01004-122
	1	SIDE SKIN, STEP TO BOW L. INBR'D	21S01004-125
	1	SIDE SKIN, STEP TO BOW R. INBR'D	21S01004-124
	1	BRACKET, PADDLE	1002114
	1	STOP (LEFT)	3A01156-057
	1	STOP (RIGHT)	1002113
	1	CLIP	3A01503-001
	1	PADDLE	0238-0035
17	1	SIDE SKIN, STEP TO STERN, L. OUTBR'D	21A01004-097
	1	SIDE SKIN, STEP TO STERN, R. OUTBR'D	21A01004-098
	1	SIDE SKIN, STEP TO STERN, L. INBR'D	21A01004-099
	1	SIDE SKIN, STEP TO STERN, R. INBR'D	21A01004-100
		<i>NOTE: DIFFERENCE BETWEEN R. AND L. IS FINISH</i>	
18	2	STIFFENER, SIDE SKIN	21A01340-105
19	2	STIFFENER, SIDE SKIN	21A01340-104
20	1	ASS'Y., BOTTOM SKIN, FWD., L.	21A01000-307
	1	SKIN ONLY	21A01005-265
	1	ASS'Y., BOTTOM SKIN, FWD., R.	21A01000-306
	1	SKIN ONLY	21A01005-265
		<i>(ASS'Y. INCLUDES BONDED STIFFENERS)</i>	
	2	STIFFENER	21A01322-001
	2	STIFFENER	21A01322-002
	2	STIFFENER	21A01322-003
	2	STIFFENER	21A01322-004
	2	STIFFENER	21A01322-005
	6	STIFFENER	21A01322-006

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ITEM	QTY	FIGURE 2: HULL ASSEMBLY-SEAPLANE PART DESCRIPTION	PART NO.
21	1	BOTTOM SKIN, AFTERBODY L.	21S01004-131
	1	BOTTOM SKIN, AFTERBODY R.	21S01004-130
22	1	ASS'Y., SPRAY RAIL, L.	21A01000-275
	1	ASS'Y., SPRAY RAIL , R.	21A01000-274
23	1	BOOSTER, SISTER KEEL, L.	21A01000-429
	1	BOOSTER, SISTER KEEL, R.	21A01000-428
24	1	DOUBLER, GUNWALL ,AFT, L.	21A01162-033
	1	DOUBLER, GUNWALL, AFT, R.	21A01162-034
25	1	DOUBLER, GUNWALL, FWD, L.	21A01162-031
	1	DOUBLER, GUNWALL , FWD, R.	21A01162-032
26	2	TUBE, SPR. BAR, MOUNTING	21A03115-001
	6	BOLT	AN4-22A
	12	WASHER	NAS1149D0416J
	12	WASHER	NAS1149D0463J
	6	NUT	MS21044N4

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TOP SKIN, HULL, AMPHIBIAN
FIGURE 3

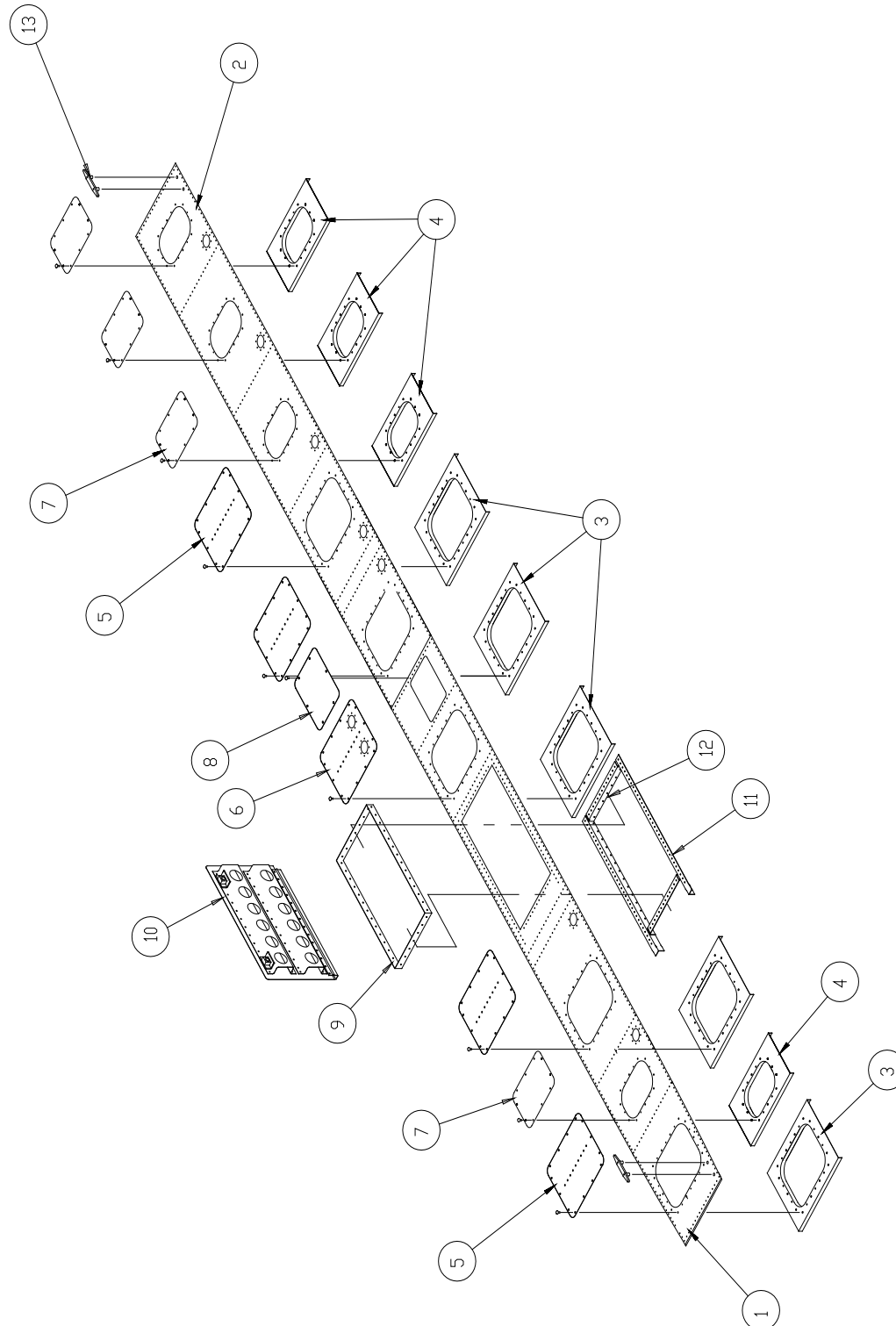
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 3: TOP SKIN, HULL, AMPHIB. PART DESCRIPTION	PART NO.
1	1	SKIN, FWD SECTION, L.	21A01004-091
	1	SKIN, FWD SECTION, R.	21A01004-092
2	1	SKIN, AFT SECTION, L.	21A01004-089
	1	SKIN, AFT SECTION, R.	21A01004-090
3	4	SUPPORT, INSP. COVER, LARGE	21A01002-130
	A/R	TINNERMAN WITH TAPE	1002481
4	4	SUPPORT, INSP. COVER, SMALL	21A01002-131
	A/R	TINNERMAN WITH TAPE	1002481
5	3	INSP. COVER ASS'Y., LARGE, W/ ANGLE & GASKET	21A01000-258
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	3	SEAL, GASKET ONLY (FORMED COVER)	1001437
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-001
6	1	INSP. COVER, LARGE, W/ ANGLE (2 CUPS) & GASKET	21A01000-273
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	3	SEAL, GASKET ONLY (FORMED COVER)	1001437
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-001
7	4	INSP. COVER ASS'Y., SMALL	21A01000-284
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	3	SEAL, GASKET ONLY (FORMED COVER)	1001437
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-002
8	1	COVER, GEAR INDICATOR, L.	21A01002-137
	1	COVER, GEAR INDICATOR, R.	21A01002-138
	1	PLACARD, DOWN, LAND	10A3-6338-1
	1	PLACARD, UP, WATER	10A3-6338-2
	4	SCREW, CAM LOCK	2600-3
	2	SCREW, CAM LOCK	1126000-5
	6	RECEPTACLE, CAM LOCK	212-12N
9	1	JAMB, BAGGAGE DOOR	21A01150-131

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 3: TOP SKIN, HULL, AMPHIB.	PART NO.
		PART DESCRIPTION	
	1	BAGGAGE JAMB, HINGE SIDE	1002067
10	1	ASS'Y., BAGGAGE DOOR	21A01000-268
	1	COVER, SKIN	21A01162-035
	1	HINGE	21A01740-008
	1	HINGE	21A01741-004
	2	STIFFENER, DOOR	21A01010-012
	2	STIFFENER ENDS	21A01004-106
	2	RETAINER, LOCK	3A01206-001
	2	LOCK PIN	3A01273-004
	2	CATCH, LATCH	3A01702-001
	2	LOCK SPRING	3A01525-003
	2	RING, OPENING	1002663
	1	SEAL, GASKET (NOT SHOWN)	1001438
	1	HINGE PIN	1002186
	12	RIVET POP	01692-0410
	2	BOLT	10/32 X ½ SS
11	1	TOP RAIL, BAGGAGE OPENING, L.	21A01326-003
	1	TOP RAIL, BAGGAGE OPENING, R.	21A01326-002
12	2	JAMB, BAGGAGE DOOR	21A01326-004
13	2	CLEAT, TIE DOWN	21A01203-001
	4	BUSHING	21A01280-004
	4	SCREW, ATTACH	AN525-10R24
	4	NUT	MS21044N3
	4	WASHER	NAS1149D0363J

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TOP SKIN, HULL, SEAPLANE
FIGURE 4

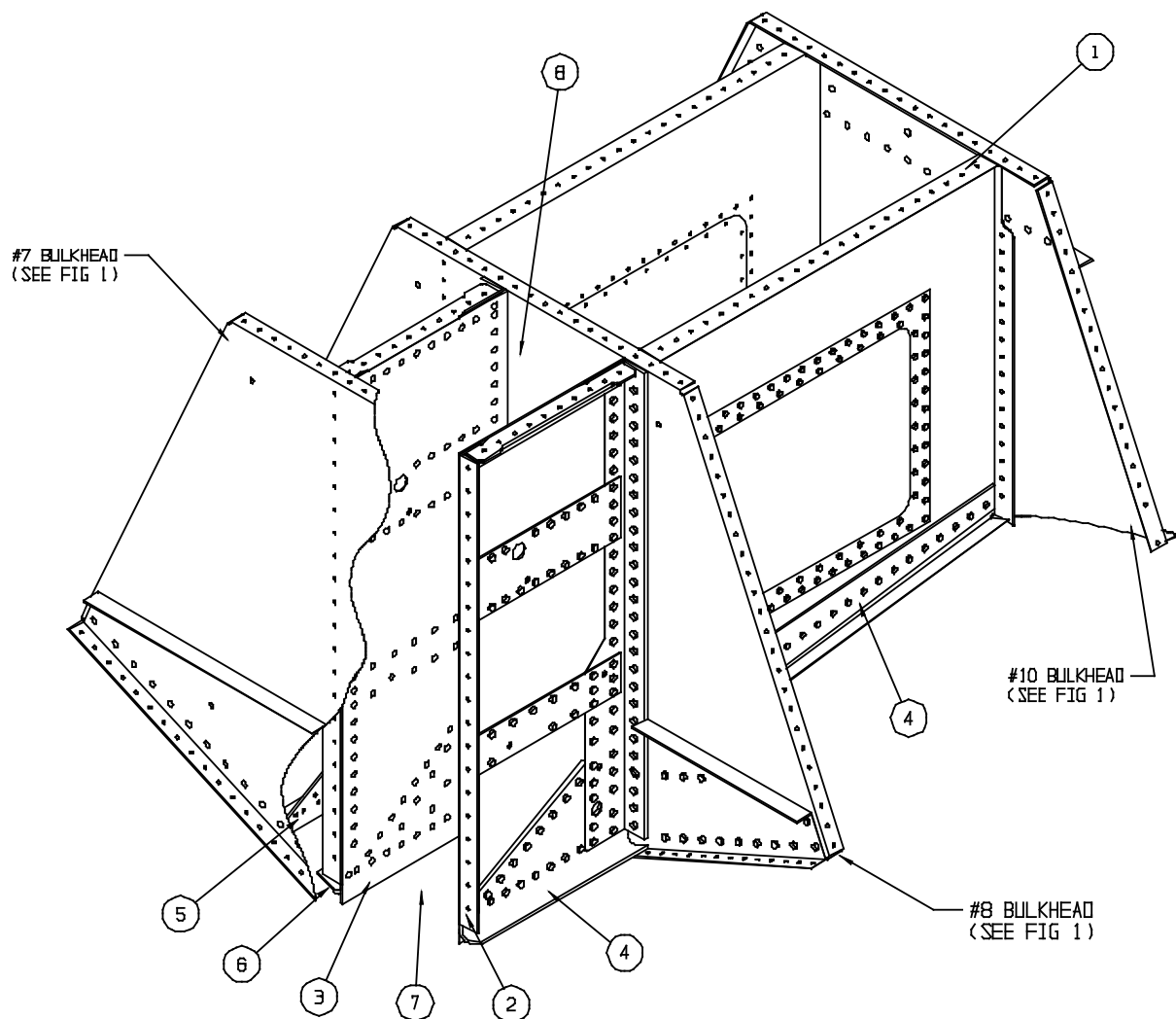
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 4: TOP SKIN, HULL, SEAPLANE PART DESCRIPTION	PART NO.
1	1	SKIN, FWD. SECTION L.	21S01004-135
	1	SKIN, FWD. SECTION R.	21S01004-134
2	1	SKIN, AFT SECTION L.	21S01004-137
	1	SKIN, AFT SECTION R.	21S01004-136
3	4	SUPPORT, INSP. COVER, LARGE	21A01002-130
	A/R	TINNERMAN WITH TAPE	1002481
4	5	SUPPORT, INSP. COVER, SMALL	21A01002-131
	A/R	TINNERMAN WITH TAPE	1002481
5	4	INSP. COVER ASS'Y., LARGE, W/ ANGLE & GASKET	21A01000-258
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	3	SEAL, GASKET ONLY (FORMED COVER)	1001437
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-001
6	1	INSP. COVER, LARGE, ANGLE (2 CUPS) & GASKET	2A01000-273
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	3	SEAL, GASKET ONLY (FORMED COVER)	1001437
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-001
7	4	INSP. COVER ASS'Y., SMALL & GASKET	21A01000-284
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	4	SEAL, GASKET ONLY (FORMED COVER)	1001728
	3	SEAL, GASKET ONLY (FLAT COVER)	21A01567-002
8	1	COVER ASS'Y. & GASKET	21S01000-399
	1	SEAL, GASKET ONLY	1002110
	A/R	SCREW, ATTACH	SS TATP 8 X 5/8
	A/R	NUT, TINNERMAN	9A3-671
	2	STIFFENER, ANGLE	30S01326-035
9	1	JAMB, BAGGAGE DOOR	21A01150-131
	1	SEAL, GASKET (NOT SHOWN)	101438

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 4: TOP SKIN, HULL, SEAPLANE	
		PART DESCRIPTION	PART NO.
	1	JAMB, HINGE SIDE	1002067
10	1	ASS'Y., BAGGAGE DOOR	21A01000-268
	1	COVER, SKIN	21A01162-035
	1	HINGE	21A01741-004
	2	STIFFENER, DOOR	21A01010-012
	2	STIFFENER ENDS	21A01004-106
	2	RETAINER, LOCK	3A01206-001
	2	LOCK PIN	3A01273-004
	2	CATCH, LATCH	3A01702-001
	2	LOCK SPRING	3A01525-003
	2	RING, OPENING	9-0177A221
	1	SEAL, GASKET (NOT SHOWN)	101438
11	1	TOP RAIL, BAGGAGE OPENING L.	21A01326-003
	1	TOP RAIL, BAGGAGE OPENING R.	21A01326-002
12	2	JAMB, BAGGAGE DOOR	21A01326-004
13	2	CLEAT, TIE DOWN	21A01203-001
	4	BUSHING	21A01280-004
	4	SCREW, ATTACH	AN525-10R24
	4	NUT	MS21044N3
	4	WASHER	NAS1149D0363J

SECTION 2: WHEEL WELL ASSEMBLY - AMPHIBIAN



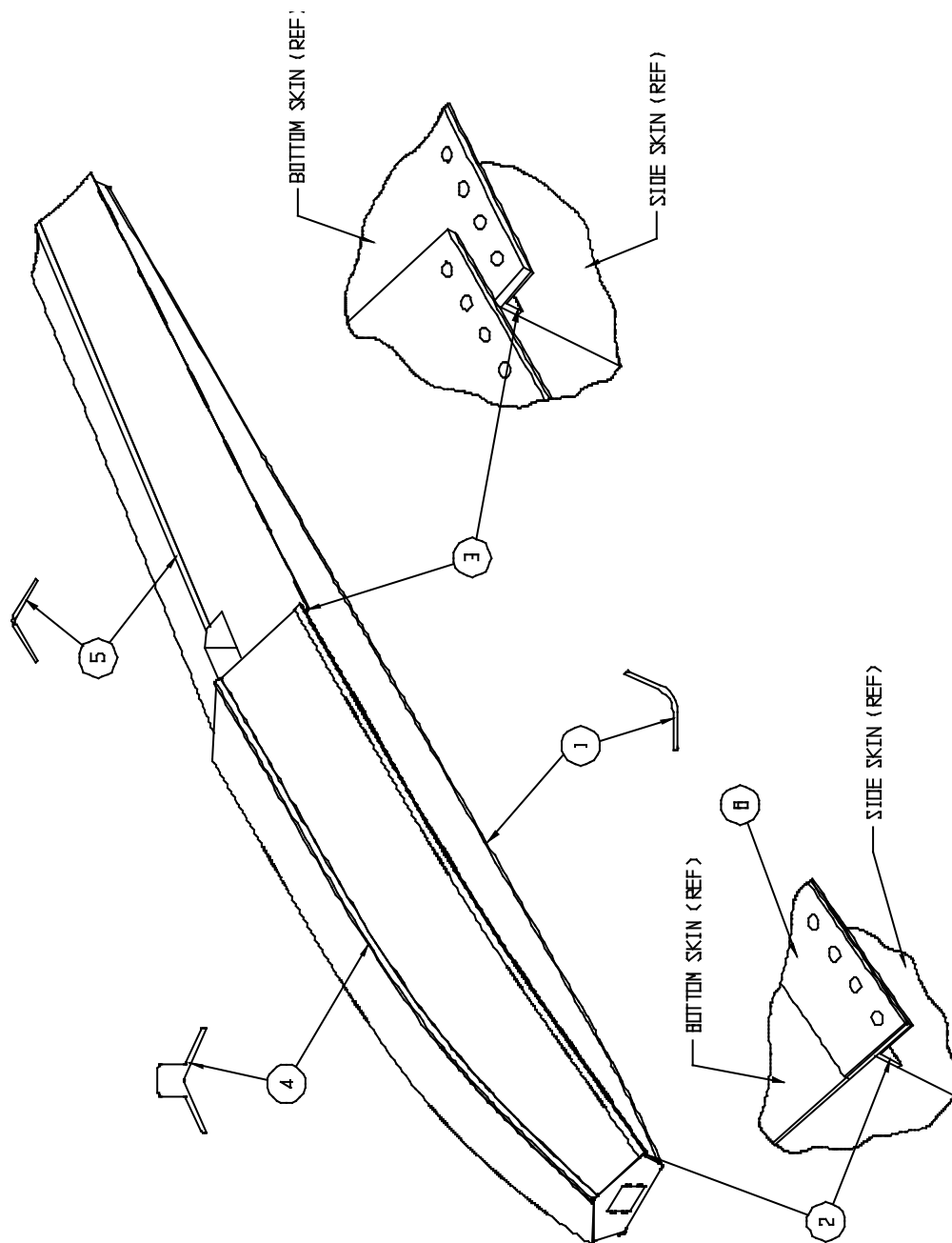
WHEEL WELL ASSEMBLY, AMPHIBIAN
FIGURE 5

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

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

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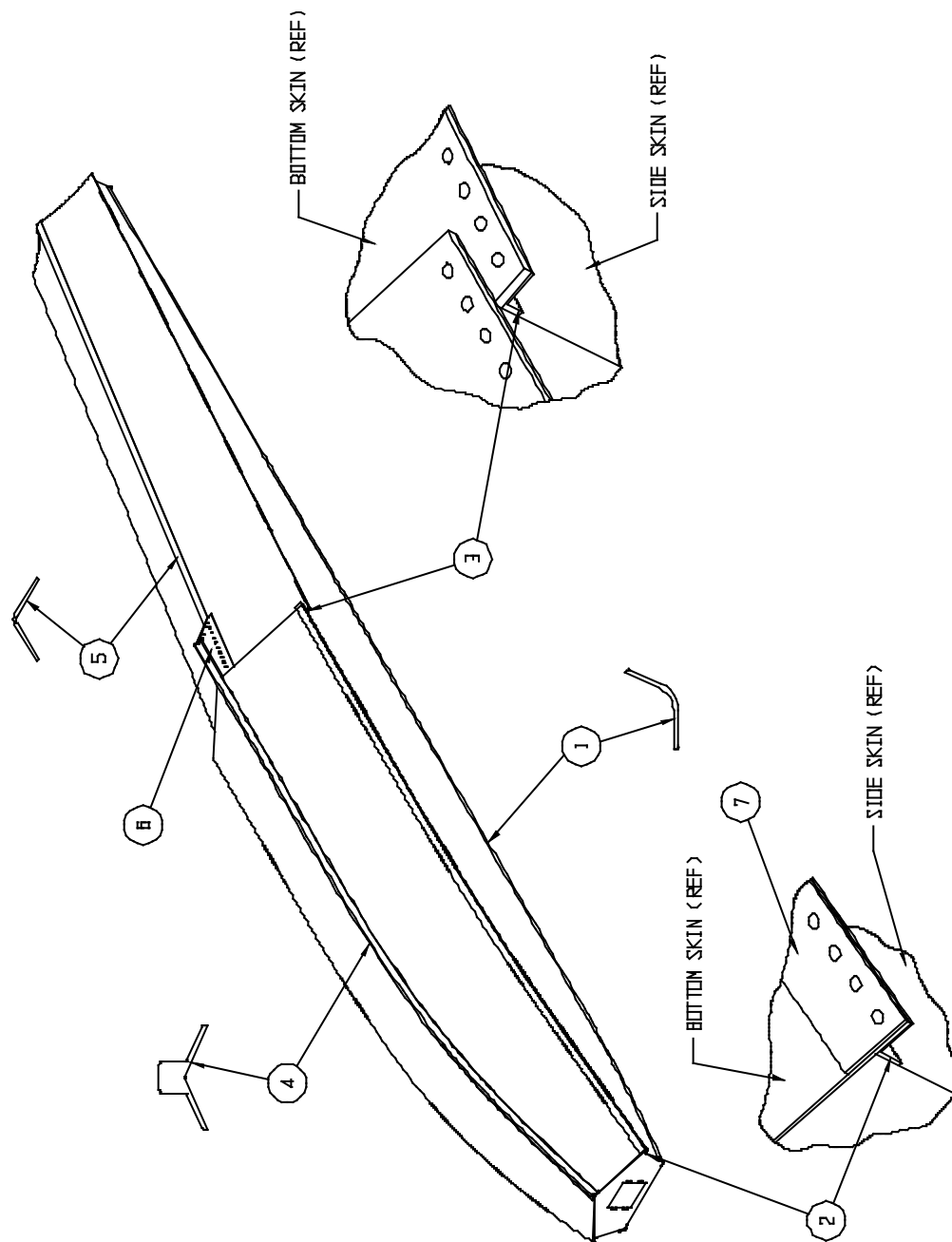
SECTION 3: HULL EXTRUSIONS - AMPHIBIAN AND STRAIGHT



EXTRUSIONS, HULL, AMPHIBIAN
FIGURE 6

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

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



EXTRUSIONS, HULL, SEAPLANE

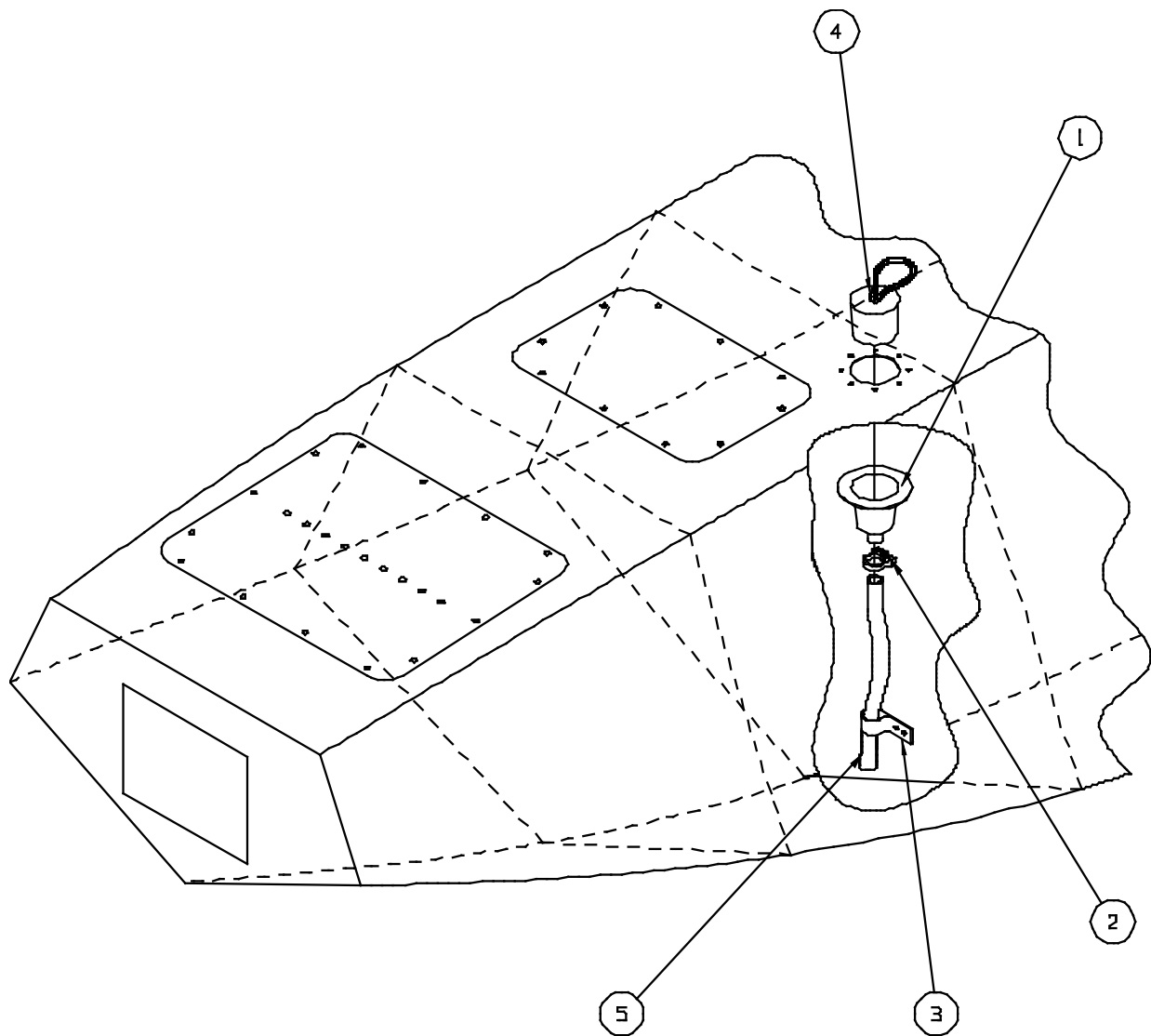
FIGURE 6A

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

FIGURE 6A: HULL EXTRUSIONS – SEAPLANE			
ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	GUNWALL, L.	21A01324-001
	1	GUNWALL, R.	21A01324-002
2	1	CHINE, FWD L.	21A01340-109
	1	CHINE, FWD R.	21A01340-108
3	1	CHINE, AFTERBODY L.	21A01340-107
	1	CHINE, AFTERBODY R.	21A01340-106
4	1	KEEL, MAIN	21S01321-004
5	1	KEEL, AFTERBODY	21S01008-172
6	1	AFTERBODY GUSSET SUPPORT ASS'Y.	21S01000-400
	1	ANGLE SUPPORT, AFTERBODY L.	21S01163-037
	1	ANGLE SUPPORT, AFTERBODY R.	21S01163-038
7	1	STRAP, CHINE, L.	21A01005-267
	1	STRAP, CHINE, R.	21A01005-268

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SECTION 4: PUMPER TUBE INSTALLATION



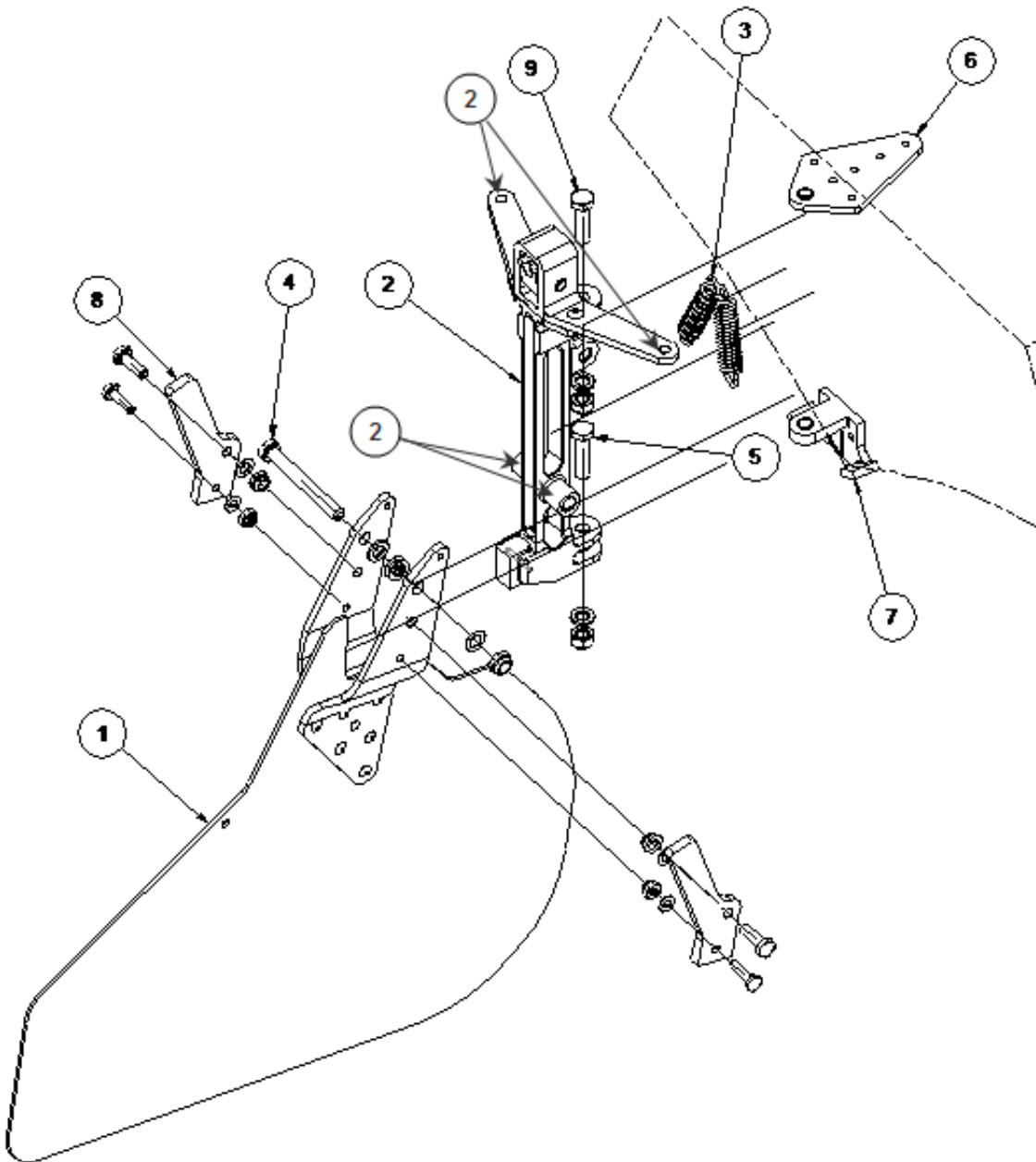
PUMPER TUBE INSTALLATION
FIGURE 7

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 7: PUMPER TUBE INSTALLATION	PART NO.
		PART DESCRIPTION	
1	1	CUP, PUMPOUT ALUM.	4A01749-001
	A/R	RIVETS	MS20470AD04-4
2	1	CLAMP, UPPER END	57134
3	1	CLAMP, LOWER END	3A01158-003
4	1	STOPPER, PUMPER TUBE	2111
5	1	PUMPOUT TUBE 10.5 IN.	21A01618-062
	1	PUMPOUT TUBE 12.5 IN.	21A01648-061
	1	PUMPOUT TUBE 15.0 IN.	21A01648-060
	1	PUMPOUT TUBE 17.5 IN.	21A01618-059
	1	PUMPOUT TUBE 23.0 IN.	21A01648-058
	1	PUMPOUT TUBE 21.5 IN.	21A01648-056
	1	PUMPOUT TUBE 18.5 IN.	21A01648-055

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SECTION 5: WATER RUDDER INSTALLATION



INSTALLATION, WATER RUDDER
FIGURE 8

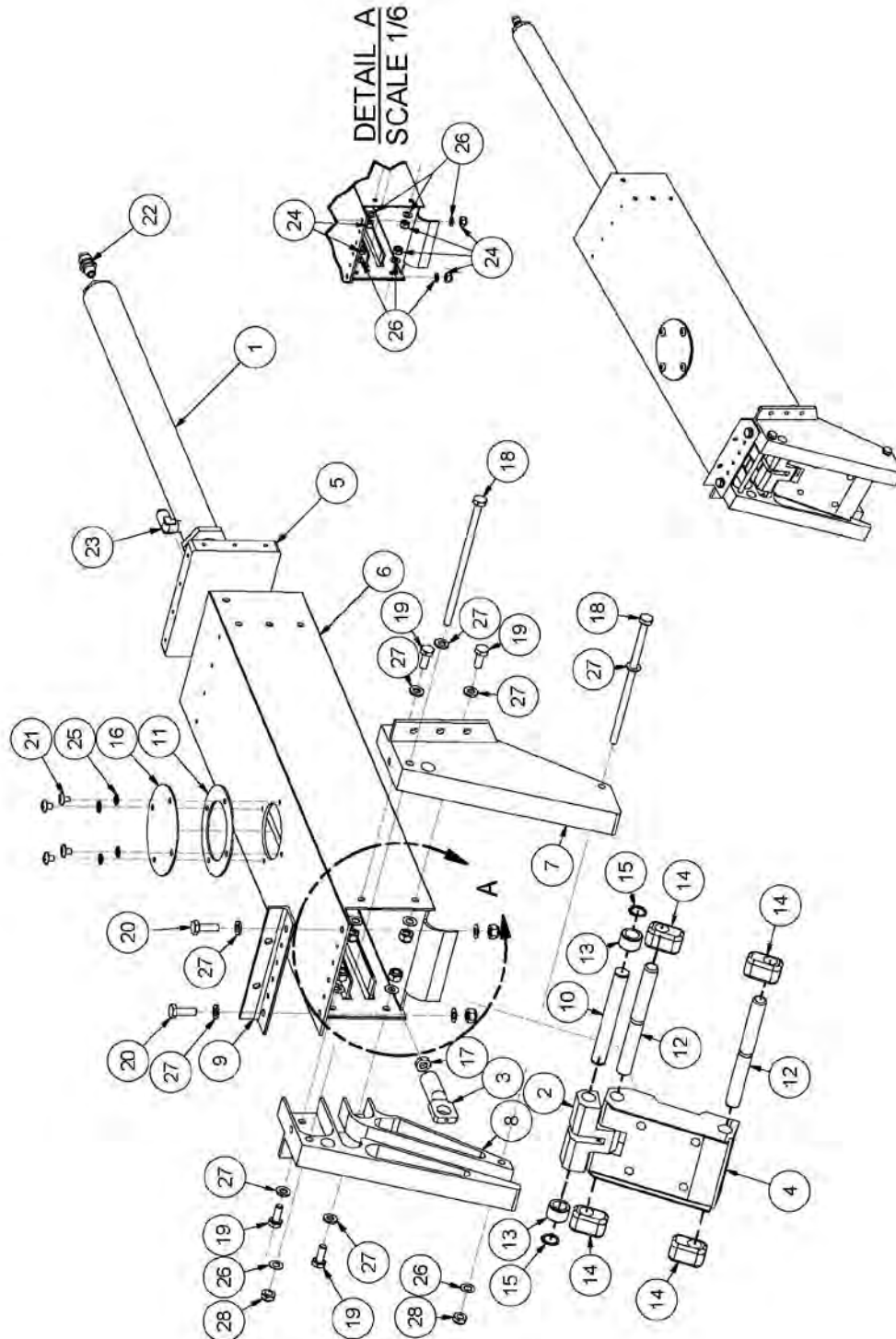
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 8: WATER RUDDER INSTALLATION PART DESCRIPTION	PART NO.
1	1	ASS'Y., BLADE	21A08000-123
	1	BLADE	1002649
	1	ARM, L.	21A08019-001
	1	ARM, R.	21A08019-002
2	1	WATER RUDDER POST WITH BELLCRANK ASSEMBLY	1003858
	1	WATER RUDDER POST ASSEMBLY	1003854
	1	WATER RUDDER POST	1003267
	2	BUSHING	05DU06
	1	BELLCRANK, WATER RUDDER POST ASSEMBLY	1003853
	1	BELLCRANK, WATER RUDDER POST	1003274
	2	BUSHING	03DU04
	1	BUMPER, DOWN STOP	21A08648-002
	1	ROLL PIN	1001457
	1	GUIDE, RETRACT	21A8602-009
	1	PIN ATTACH	5/16 x 1 ½ inches
3	2	SPRING	21A08525-006
4	1	BOLT, ATTACH	AN5-25A
	3	WASHER	NAS1149D0516J
	1	WASHER	NAS 1149D0563J
	1	NUT	MS21083N5
5	1	BOLT, ATTACH	AN5-11A
	A/R	WASHER	NAS1149D0563J
	1	NUT	MS21044N5
6	1	ASS'Y., TOP BEARING	21A01000-299
	1	PLATE	21A01019-003
	1	BEARING	21A01705-003
7	1	ASS'Y., LOWER BEARING	21A08000-157

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 8: WATER RUDDER INSTALLATION PART DESCRIPTION	PART NO.
	1	BRACKET	21A08318-002
	1	BEARING	05DU06
8	2	STOP	21A08154-009
	2	BOLT, ATTACH, LWR.	AN4-6A
	2	WASHER	NAS1149D0416J
	2	NUT	MS21083N4
	2	BOLT, ATTACH, LWR.	AN3-6A
	2	WASHER	NAS1149D0316J
	2	NUT	MS21044N3
9	1	BOLT, ATTACH	AN5-12A
	A/R	WASHER	NAS1149D0563J
	1	NUT	MS21044N5

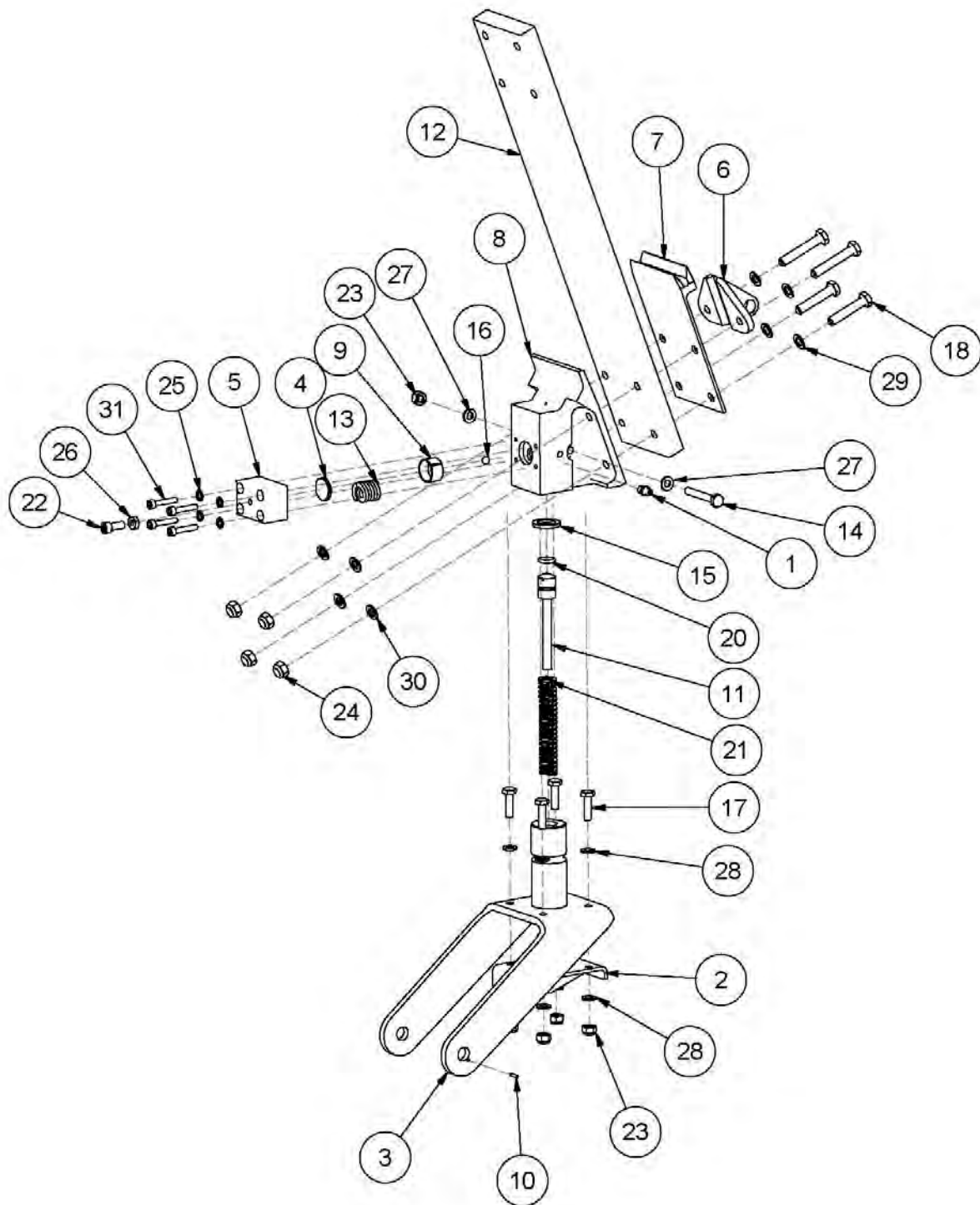
SECTION 6: NOSE GEAR ASSEMBLY



ASSEMBLY, NOSE GEAR RETRACTION
FIGURE 9

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

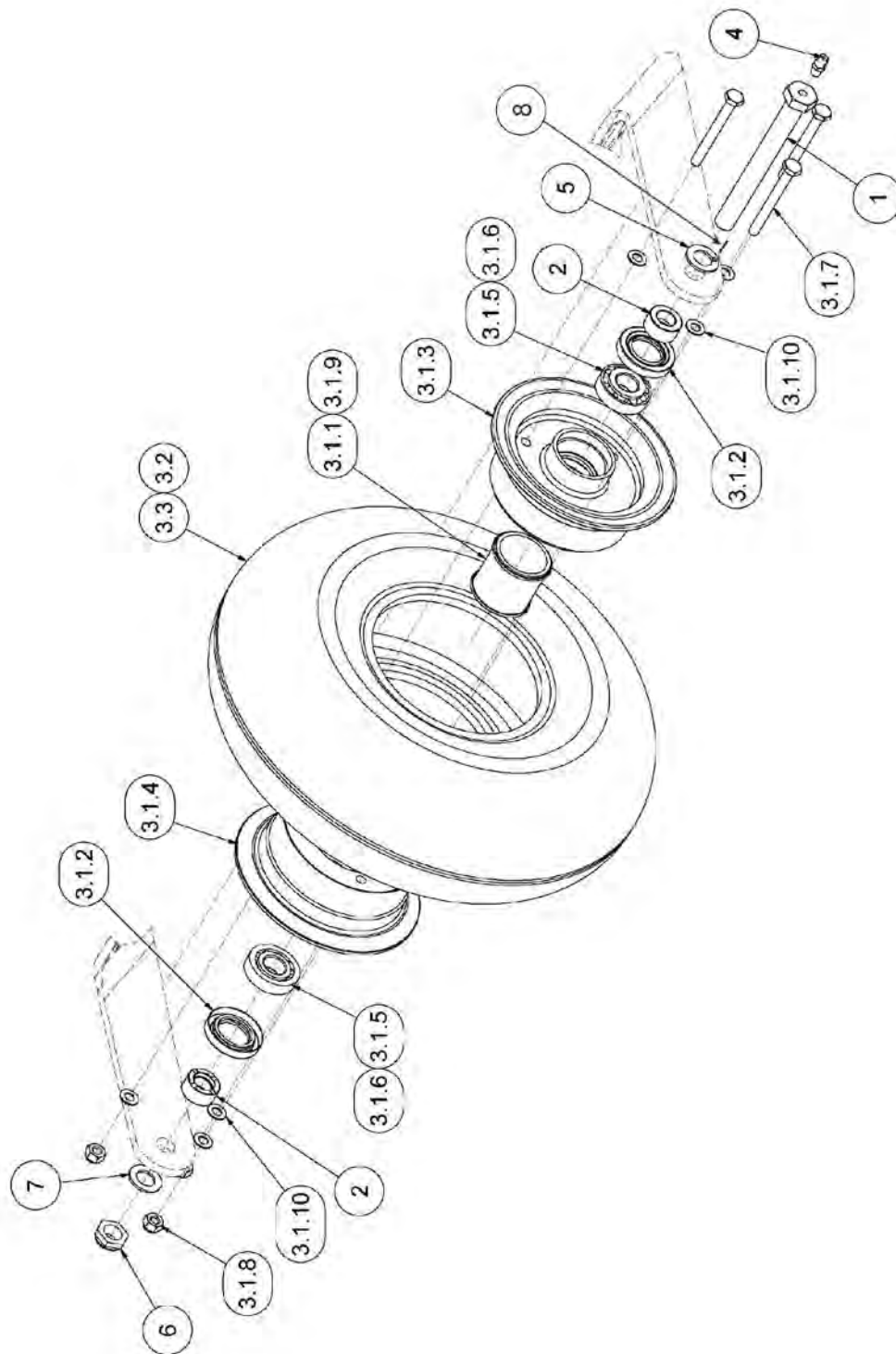
ITEM	QTY	FIGURE 9: NOSE GEAR RETRACTION ASS'Y.	PART NO.
		PART DESCRIPTION	
1	1	CYLINDER, NOSE GEAR, 2100/2350	1002571
2	1	LINK - TROLLEY, NOSE GEAR	21A07032-005
3	1	END - ROD, CYLINDER, NOSE GEAR	21A07094-002
4	1	TROLLEY - NOSE GEAR	21A07187-009
5	1	END CAP, NOSE BOX	21A07237-002
6	1	BOX, NOSE GEAR	21A07323-001
7	1	END, NOSE GEAR TRACK LEFT	21A07349-003
8	1	END, NOSE GEAR TRACK, RIGHT	21A07349-004
9	1	EXTRUSION, ANGLE	21A07359-194
10	1	AXLE, TROLLEY LINK	21A07509-007
11	1	GASKET, COVER, NOSE BOX, 2100 AND 3000	30A07567-011
12	2	AXLE, TROLLEY	34A07509-008
13	2	BEARING - TROLLEY, NOSE GEAR	3A07530-001
14	4	BLOCK, SLIDE, TROLLEY, NOSE GEAR	3A07604-001
15	2	SNAP RING	5100-46-H
16	1	COVER, BULKHEAD HYD CYL. HOLE	8A01008-080
17	1	NUT	AN316-5R
18	2	BOLT	AN4-53A
19	4	BOLT	AN4-5A
20	2	BOLT	AN4-6A
21	4	SCREW, MACHINE, TRUSS HEAD	AN526-1032R4
22	1	NIPPLE, FLARED TUBE AND PIPE THREAD	AN816-4D
23	1	ELBOW	MS20822-4D
24	6	NUT	MS21044N4
25	4	STAR WASHER	MS35333-39
26	8	WASHER	NAS1149D0416J
27	8	WASHER	NAS1149D0463J
28	2	KAYNAR NUT	NAS679-A4W



ASSEMBLY, NOSE GEAR, LOWER
FIGURE 10

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

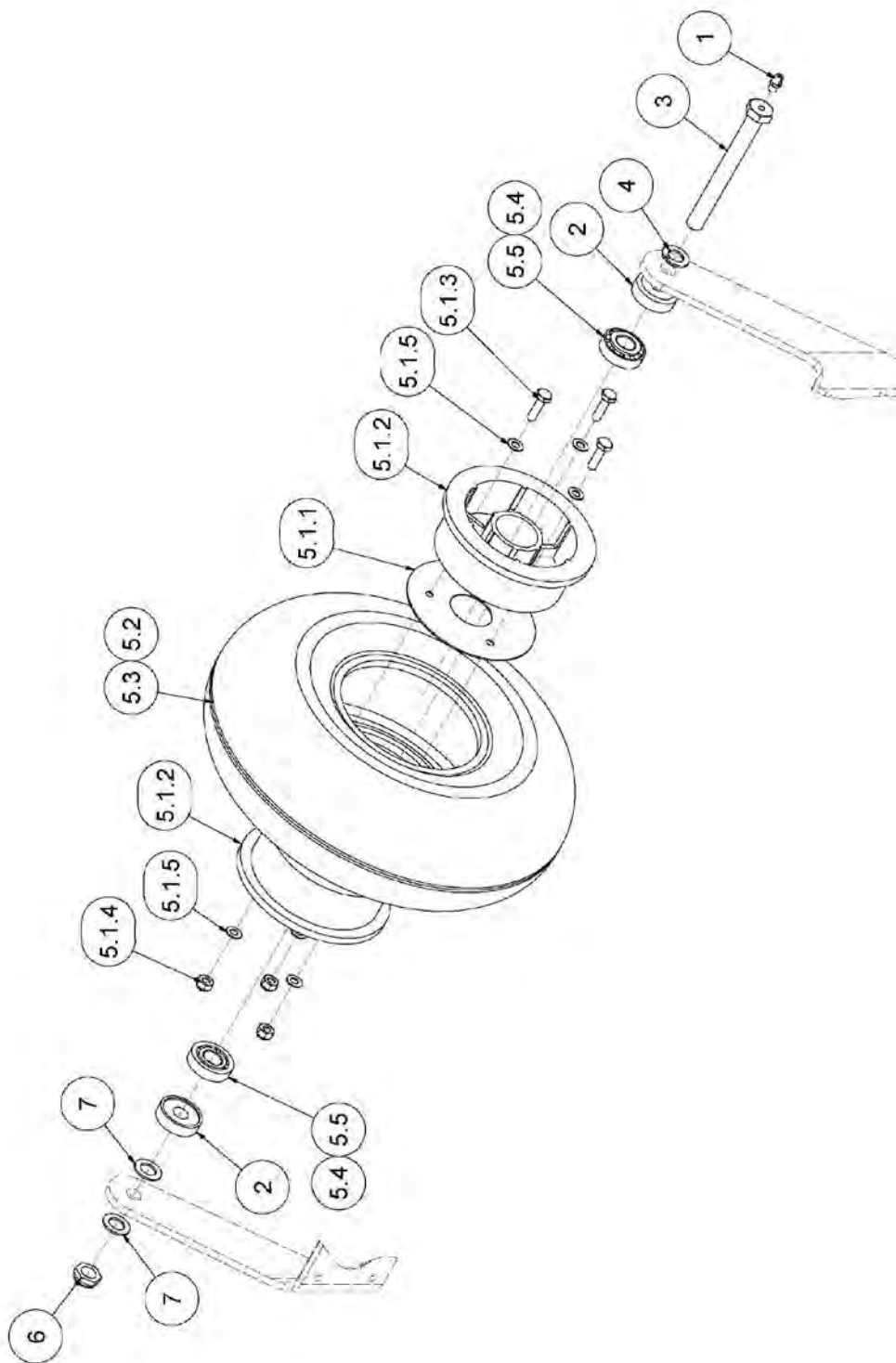
ITEM	QTY	FIGURE 10: NOSE GEAR ASS'Y., LWR PART DESCRIPTION	PART NO.
1	1	COMMON GREASE ZERK	1095K41
2	1	WELDMENT, PIVOT SHAFT, FORK, NOSE GEAR	21A06000-020
3	1	FORK, NOSE GEAR (2100)	21A06020-001
4	1	PRESSURE PLATE	21A06160-053
5	1	BLOCK, SPRING	21A06194-005
6	1	TOW HOOK NOSE GEAR	21A06213-006
7	1	BEARING PLATE, LWR, NOSE GEAR	21A06237-001
8	1	BLOCK, PIVOT, NOSE GEAR	21A06318-005
9	1	FRICTION CUP	21A06475-006
10	1	PIN, ANTI-ROTATION	21A06476-003
11	1	PLUNGER, NOSE WHEEL, 21,23,3,34	21A06605-002
12	1	SPRING NOSE GEAR	21A06653-001
13	1	PRESSURE SPRING	21A06705-005
14	1	BOLT, MODIFIED, PIVOT BLOCK	30A06702-016
15	1	THRUST WASHER	3A06602-001
16	1	1/4" CHROME BALL BEARING	9528K15
17	4	BOLT	AN4-7A
18	2	BOLT	AN5-14A
19	2	BOLT	AN5-16A
20	1	O-RING	AN6227-9
21	1	SPRING	M62-350
22	1	SOCKET HEAD CAP SCREW	MS16997-60
23	5	NUT	MS21044N4
24	4	NUT	MS21044N5
25	4	STAR WASHER	MS35333-39
26	1	NUT	MS35649-2252
27	2	WASHER	NAS1149D0463J
28	8	WASHER	NAS1149F0463P
29	4	WASHER	NAS1149F0532P
30	4	WASHER	NAS1149F0563P
31	4	SOCKET HEAD CAP SCREW	NAS1352-316P



ASSEMBLY, NOSE WHEEL (GROVE)
FIGURE 10A

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 10A: NOSE WHEEL ASS'Y - GROVE PART DESCRIPTION	PART NO.
1	1	BOLT, AXLE, NOSE GEAR	1005927
2	2	SPACER	1005929
3	1	ASSEMBLY, NOSE WHEEL	1005931
3.1	1	ASSEMBLY, WHEEL, GROVE	49-12AF-001
3.1.1	1	GREASE RETAINER	010-019
3.1.2	2	SEAL	010-026
3.1.3	1	WHEEL HALF INNER	015-020A
3.1.4	1	WHEEL HALF OUTER	016-020AF
3.1.5	2	BEARING CORE	A4050
3.1.6	2	BEARING CONE	A4138
3.1.7	3	BOLT	AN4-23A
3.1.8	3	NUT	MS21044N-4
3.1.9	2	O-RING	MS28775-029
3.1.10	6	WASHER	NAS1149F0416
3.2	1	TIRE	XA1AA
3.3	1	TUBE	AD1A2
4	1	COMMON GREASE ZERK	1095K41
5	1	MODIFIED WASHER	3A06702-003
6	1	NUT	MS21083N8
7	1	WASHER	NAS1149D0863J
8	1	PIN ANTI ROTATE AXEL	21A06476-003



ASSEMBLY, NOSE WHEEL (PARKER)

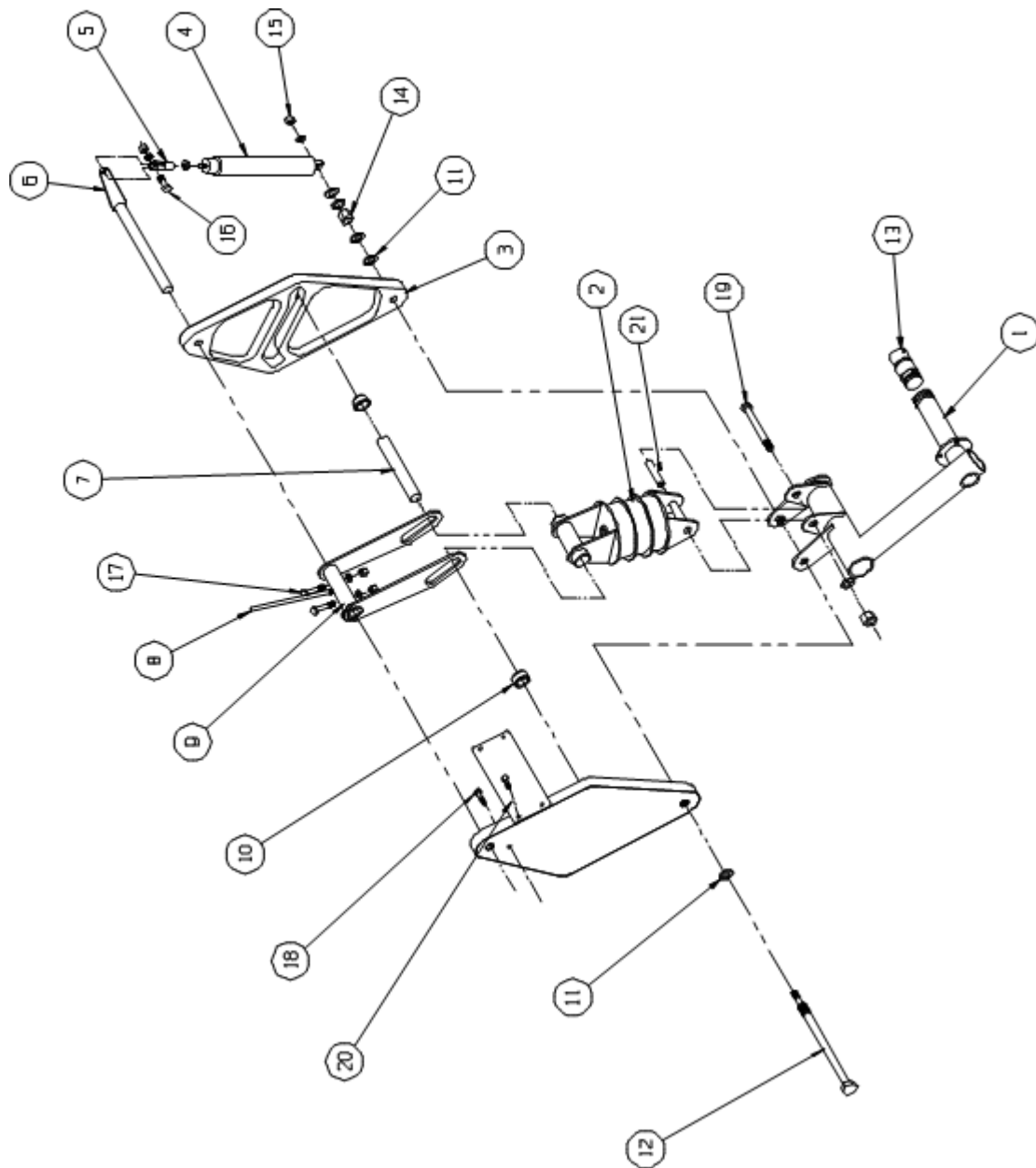
FIGURE 10B

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 10B: NOSE WHEEL ASS'Y - PARKER PART DESCRIPTION	PART NO.
1	1	COMMON GREASE ZERK	1095K41
2	2	SPACER	3A06259-001
3	1	MODIFIED BOLT	3A06702-002
4	1	MODIFIED WASHER	3A06702-003
5	1	NOSE WHEEL ASS'Y.	21A06000-021
5.1	1	PARKER WHEEL ASS'Y.	D-30380
5.1.1	1	GASKET	068-30373
5.1.2	2	WHEEL HALF	161-30382
5.1.3	3	BOLT	AN4-7A
5.1.4	3	NUT	MS21044N4
5.1.5	6	WASHER	NAS1149F0432P
5.2	1	TIRE	XA1AA
5.3	1	TUBE	AD1A2
5.4	2	BEARING CORE	A4050
5.5	2	BEARING CONE	A4138
6	1	NUT	MS21083N8
7	2	WASHER	NAS1149D0863J

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SECTION 7: MAIN GEAR ASSEMBLY



INSTALLATION, MAIN GEAR RETRACTION
FIGURE 11

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

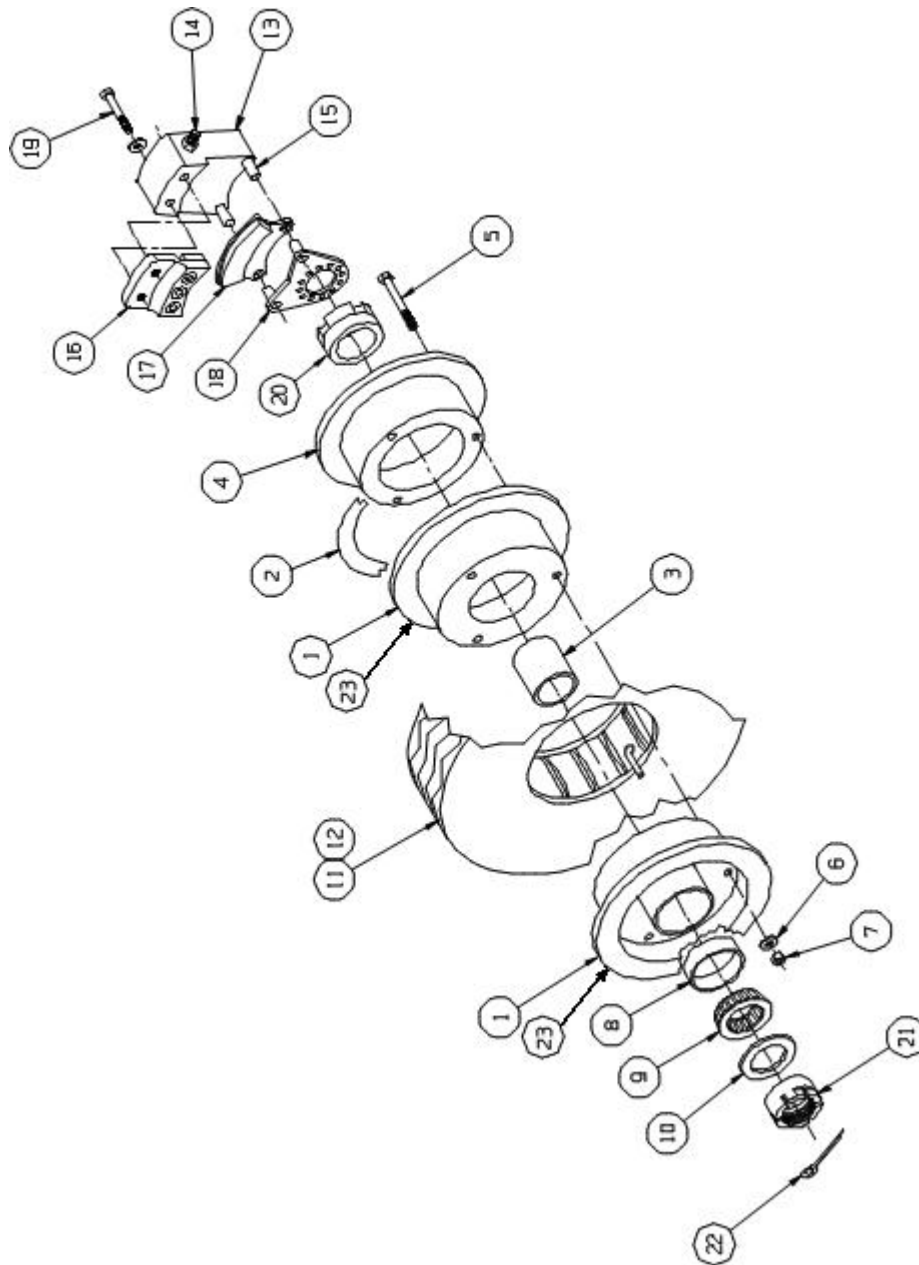
ITEM	QTY	FIGURE 11: INSTALLATION, MAIN GEAR RETRACTION PART DESCRIPTION	PART NO.
1	1	ASS'Y., DRAG LINK, L.	21A04000-077
	1	ASS'Y., DRAG LINK, R.	21A04000-076
	2	BEARING	08FDU12
2	1	ASS'Y., SHOCK STRUT	21A04000-073
	1	ASS'Y., UPR END	21A04000-074
	1	ASS'Y., LWR END	21A04000-075
	2	GREASE ZERK	1095K41
	2	WASHER	NAS1149D0416J
	2	WASHER	NAS1149D0463J
	1	DUAL BUSHING ASSEMBLY	1002087
	1	BUSHING ASSEMBLY	1001011
	1	RETAINING PIN	21A04503-004
	1	COTTER PIN	MS24665-151
	1	SLEEVES	21A04585-002
3	1	TRACK, MAIN GEAR, L.	21A05114-005
	1	TRACK, MAIN GEAR, R.	21A05114-006
	1	BEARING, UPPER	10DU12
	1	BEARING, LOWER	08DU12
4	1	CYLINDER	1002574
	2	FITTING, ELBOW	MS20822-4D
5	1	ROD END	21A05705-002
	1	JAMB NUT	AN316-5
	1	SPACER	21A05260-005
	1	CHAMFERED WASHER	MS20002C6
		(CHAMFERED EDGE GOES AGAINST CYLINGER)	
6	1	ARM, RETRACT, L.	21A05000-017
	1	ARM, RETRACT, R.	21A05000-016
7	1	AXLE, SHOCK STRUT	21A04454-006
8	1	INDICTATOR ASS'Y.	21A05000-022
9	1	GEAR ACTUATOR	21A05000-018

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 11: INSTALLATION, MAIN GEAR RETRACTION PART DESCRIPTION	PART NO.
10	2	ROLLER, TRACK	21A05520-003
11	2	WASHER, SEALING	93783A033
12	1	BOLT, ASSEMBLY	21A05000-019
	1	BOLT	21A05735-001
	1	STUD	21A05476-002
13	1	RETAINER, GREASE	21A04263-007
	2	O- RING	MS28775-210
	1	GREASE ZERK	1095K41
14	1	NUT	MS21044N8
	2	WASHER	NAS1149F0863P
15	1	NUT	MS21083N5
	A/R	WASHER	NAS1149F0563P
16	1	BOLT	AN5-11A
	2	WASHER	NAS1149F0563P
	1	NUT	MS21044N5
17	2	BOLT	AN4-13A
	4	WASHER	NAS1149D0416J
	2	NUT	MS21044N4
18	8	BOLT, TRACK ATTACH	AN3-6A
	8	WASHER	NAS1149D0316J
	8	WASHER	NAS1149D0363J
	8	NUT	MS21044N3
19	1	BOLT	AN8-33A
	1	WASHER	NAS1149F0832P
	1	WASHER	NAS1149F0863P
	1	NUT	MS21044N8
20	1	PLATE, SEPARATING	21A05003-079

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 11: INSTALLATION, MAIN GEAR RETRACTION	
		PART DESCRIPTION	PART NO.
	4	BOLT	AN3-5A
	8	WASHER	NAS1149D0316J
	4	NUT	MS21044N3
21	1	BUSHING, LOWER SHOCK STRUT	21A04547-004
	2	CLIP, MAGNETIC INDICATOR (NOT SHOWN)	21A09005-262
	2	PROXIMITY SWITCH (NOT SHOWN)	5801
	4	SCREW (NOT SHOWN)	MS35206-215



ASSEMBLY, MAIN GEAR WHEEL - GROVE/WIPAIRE
FIGURE 11A

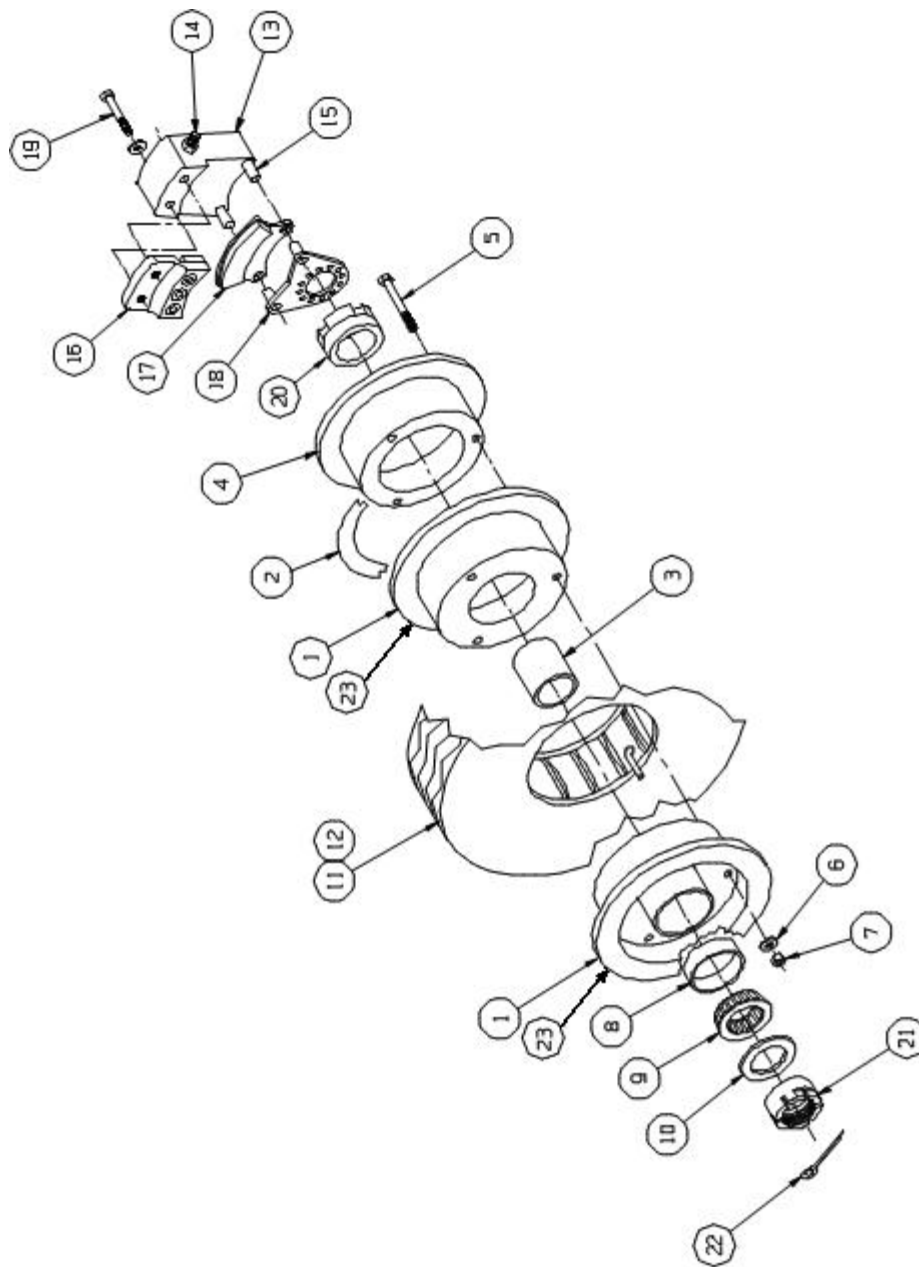
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 11A: MAIN GEAR WHEEL ASS'Y – GROVE/WIPAIRE PART DESCRIPTION	PART NO.
1	1	ASS'Y., WHEEL AND BRAKE (COMPLETE)	1002141
		INCLUDES ALL ITEMS BELOW EXCEPT TIRE & TUBE	
2	1	GASKET, TEFLON	3A04620-001
3	1	GREASE RETAINER	010-009
4	1	BRAKE DISC	018-001
5	3	BOLT	AN4-23A
6	3	WASHER	NAS1149F0432P
7	3	NUT	MS21044N4
8	2	BEARING RACE, NON-CHROME	08125
9	2	BEARING CUP, NON-CHROME	08231
10	2	SEAL, INSIDE/OUTSIDE	473237
		<i>DRILL #50 HOLE IN SIDE OF SEAL TO BE USED IN OUTBOARD SIDE OF WHEEL.</i>	
11	1	TIRE –TYPE III 500 x 5, 6 PLY	AA1D4
12	1	TUBE 500 X 5	XA1AC
13	1	BRAKE ASS'Y.	32-1
	2	PISTON	017-003
	2	O-RING	MS28775-217
14	1	BLEEDER ASS'Y.	220-0063
	1	FITTING 45° BRAKE LINE	MS20823-3D
15	2	TORQUE PIN	013-001
	2	NUT	MS21044N4
16	1	ASS'Y., BACK PLATE	10-3
	1	PAD	66-111
	3	RIVET	105-2

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 11A: MAIN GEAR WHEEL ASS'Y – GROVE/WIPAIRE PART DESCRIPTION	PART NO.
17	1	ASS'Y., PRESSURE PLATE	11-2
	1	LINING	66-111
	3	RIVET	105-2
18	1	BRAKE TORQUE PLATE	020-001
19	3	BOLT	AN4H-15A
	3	WASHER	NAS1149F0432P
20	1	SPACER	3A04093-001
21	1	NUT, AXLE	3A04268-003
22	1	COTTER PIN	MS24665-351
23	1	WHEEL HALF-INNER	015-002
	1	WHEEL HALF-OUTER	016-002
		(HALVES NOT SOLD SEPERATELY)	

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ASSEMBLY, MAIN GEAR WHEEL - CLEVELAND/PARKER
FIGURE 11B

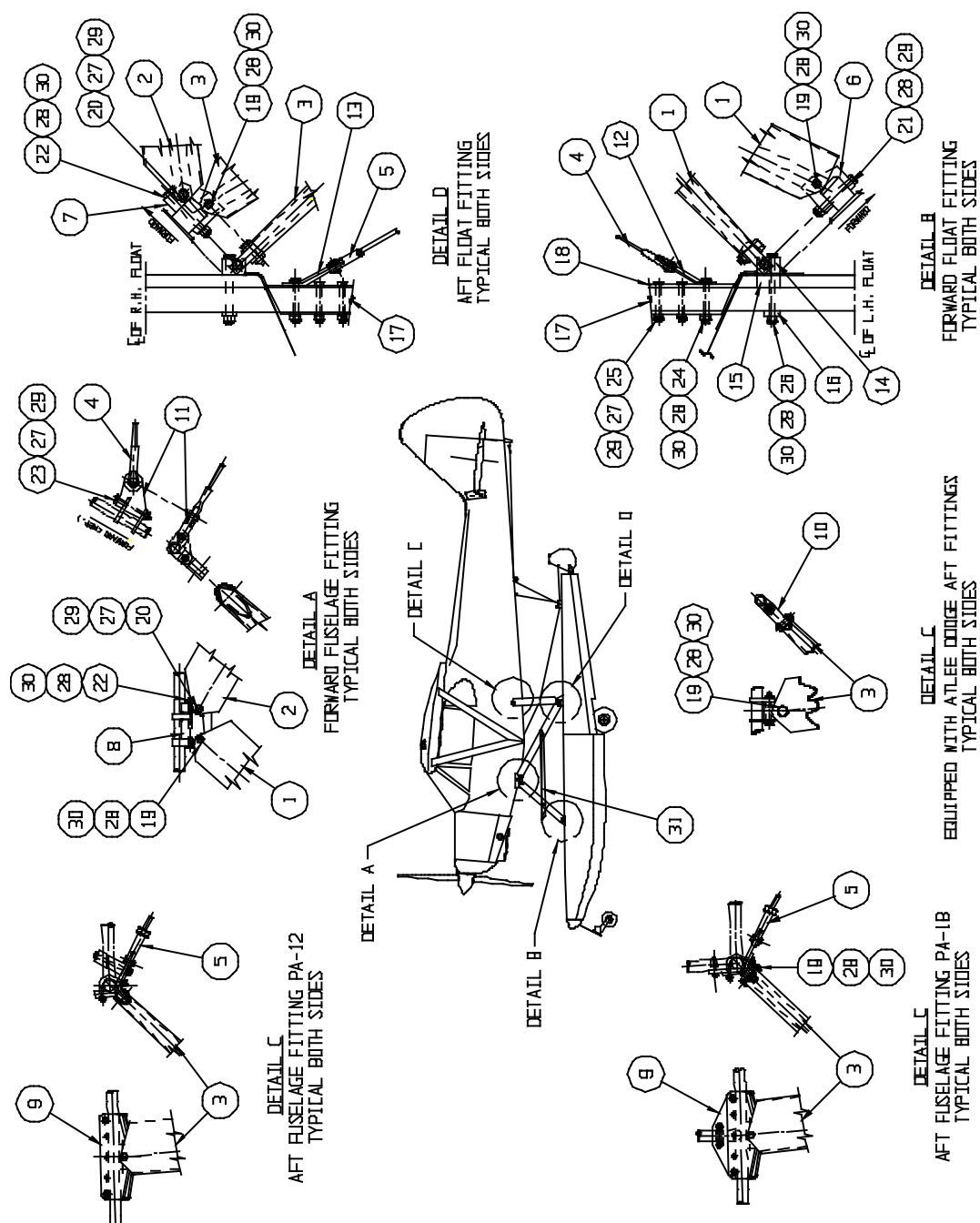
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 11B: MAIN GEAR WHEEL ASS'Y – CLEVELAND/PARKER PART DESCRIPTION	PART NO.
1	1	ASS'Y., WHEEL (W/ TUBE & TIRE)	3A04000-002
	1	ASS'Y., WHEEL	3A04000-060
2	1	GASKET, TEFLON	3A04620-001
3	1	GREASE RETAINER	3A04616-001
4	1	BRAKE DISC	164-01700
5	3	BOLT	AN4-22A
6	3	WASHER	NAS1149F0432P
7	3	NUT	MS21044N4
8	2	BEARING CUP	8231
		BEARING CUP, CHROME (OPT.)	8231CP
9	2	BEARING CONE	8125
		BEARING CONE, CHROME (OPT.)	8125CP
10	2	SEAL, INSIDE/OUTSIDE	473237
11	1	TIRE –TYPE III	500 X 5, 6 PLY
12	1	TUBE	500 X 5
	1	ASS'Y., BRAKE AND TORQUE PLATE	075-00800
13	1	ASS'Y., CALIPER (RIGHT)	21A04000-096
	1	ASS'Y., CALIPER (LEFT)	21A04000-097
	1	PISTON	062-00300
	1	O- RING	AN6227-23
	1	FITTING, 45 DEGREES (BRAKE LINE)	MS20823-3D
14	1	SEAT, BLEEDER	081-30619
	1	SCREW, BLEEDER	79-3
	1	CAP, BLEEDER	183-1

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

FIGURE 11B: MAIN GEAR WHEEL ASS'Y – CLEVELAND/PARKER			
ITEM	QTY	PART DESCRIPTION	PART NO.
15	2	ANCHOR BOLT	069-00400
	2	WASHER	NAS1149F0463P
	2	NUT	MS21044N4
16	1	ASS'Y., BACK PLATE	074-02700
	1	PLATE, BACK	064-00500
	1	LINING	066-10600
	3	RIVET	105-2
17	1	ASS'Y., PRESSURE PLATE	073-04800
	1	PLATE, PRESSURE	063-00500
	1	LINING	066-10600
	3	RIVET	105-2
18	1	BRAKE TORQUE PLATE, L.	3A04711-001
	1	BRAKE TORQUE PLATE, R.	3A04711-002
19	1	BOLT	AN4H15A
	1	WASHER	NAS1149F0432P
20	1	SPACER	3A04093-001
21	1	NUT, AXLE	3A04268-003
22	1	COTTER PIN	MS24665-351
23	1	WHEEL HALF-INNER	015-002
	1	WHEEL HALF-OUTER	016-002
		(HALVES NOT SOLD SEPERATELY)	

SECTION 8: INSTALLATION – STRUTS, WIRES, SPREADER BARS



INSTALLATION, STRUTS, WIRES, AND SPREADER BARS

FIGURE 12

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 12: INSTALLATION-STRUTS, WIRES, SPR. BARS PART DESCRIPTION	PART NO.
1	2	STRUT, FRONT	21A02334-023
2	2	STRUT, CENTER	21A02334-024
3	2	ASS'Y., REAR STRUT, PA-18	21A02000-146
	2	ASS'Y., REAR STRUT, PA-18 (ATLEE DODGE FITTING)	21A02000-179
			(FLOAT S/N BELOW 257)
		ASS'Y., REAR STRUT, PA-18 (CUB CRAFTERS RT.)	1001527
		ASS'Y., REAR STRUT, PA-18 (CUB CRAFTERS LT.)	1001533
	2	ASS'Y., REAR STRUT, PA-12	21A02000-162
	2	ASS'Y., REAR STRUT, PA-12 (ATLEE DODGE FITTING)	21A02000-169
			(FLOAT S/N BELOW 257)
4	2	ASS'Y., DRAG WIRE, FWD (PA-18)	21A02000-139
	1	WIRE	AN705AC-4800
	1	CLEVIS L.	AN665-46LS *
	1	CLEVIS R.	AN665-46RS *
	1	NUT CHECK L.	AN316C5L
	1	NUT CHECK R.	AN316C5R
	2	PIN, CLEVIS	SP4ZF6
	2	PIN, COTTER	SP90C5
	2	ASS'Y., DRAG WIRE, FWD (PA-12)	21A02000-134
	1	WIRE	AN705AC-5000
	1	CLEVIS L.	AN665-46LS *
	1	CLEVIS R.	AN665-46RS *
	1	NUT CHECK L.	AN316C5L
	1	NUT CHECK R.	AN316C5R
	2	PIN, CLEVIS	SP4ZF6
	2	PIN, COTTER	SP90C5
5	2	ASS'Y., DRAG WIRE, AFT	21A02000-138
	1	WIRE	AN706AC-4525
	1	CLEVIS L.	AN665-80LAS *
	1	CLEVIS R.	AN665-80RAS *
	1	NUT CHECK L.	AN316C6L
	1	NUT CHECK R.	AN316C6R

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 12: INSTALLATION-STRUTS, WIRES, SPR. BARS PART DESCRIPTION	PART NO.
	2	PIN, CLEVIS	SP4ZH9MOD
		* <i>DENOTES STAINLESS STEEL</i>	
	2	PIN, COTTER	SP90E7
6	2	FTG, LOWER FRONT STRUT	21A02055-004
7	1	FTG, LOWER REAR STRUT L.	21A02055-005
	1	FTG, LOWER REAR STRUT R.	21A02055-006
8	1	FTG, UPPER FRONT STRUT L.	21A02055-007
	1	FTG, UPPER FRONT STRUT R.	21A02055-008
9	1	ASS'Y., UPPER STRUT FITTING, REAR (PA-18)	21A02000-147
	1	"U" BOLT, UPPER	21A02455-001
	2	"U" BOLT, LOWER	21A02456-001
	2	SADDLE, "U" BOLT	21A02487-002
	1	PLATE, MAIN BASE	21A02019-004
	1	PLATE, UPPER	21A02019-005
	1	PLATE, LOWER	21A02019-006
	1	SPACER, PLATE	21A02020-002
	A/R	WASHER	NAS1149D0416J
	2	NUT	MS21044N3
	A/R	WASHER	NAS1149D0316J
	4	NUT	MS21044N4
	1	ASS'Y., UPPER STRUT FITTING, REAR (PA-12)	21A02000-163
	1	"U" BOLT	21A02456-001
	1	SADDLE, "U" BOLT	21A02487-002
	1	PLATE- MAIN BASE	21A02019-004
	1	PLATE, UPPER	21A02019-005
	1	PLATE, LOWER	21A02019-006
	1	SPACER, PLATE	21A02020-002
	2	BOLT, PLATE ATTACH	AN3-10A
	A/R	WASHER	NAS1149D0416J
	2	NUT	MS21044N3
	1	BLOCK, TUBE SUPPORT	21A02060-003
	2	BOLT, BLOCK ATTACH	AN3-25A
	A/R	WASHER	NAS1149D0316J

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

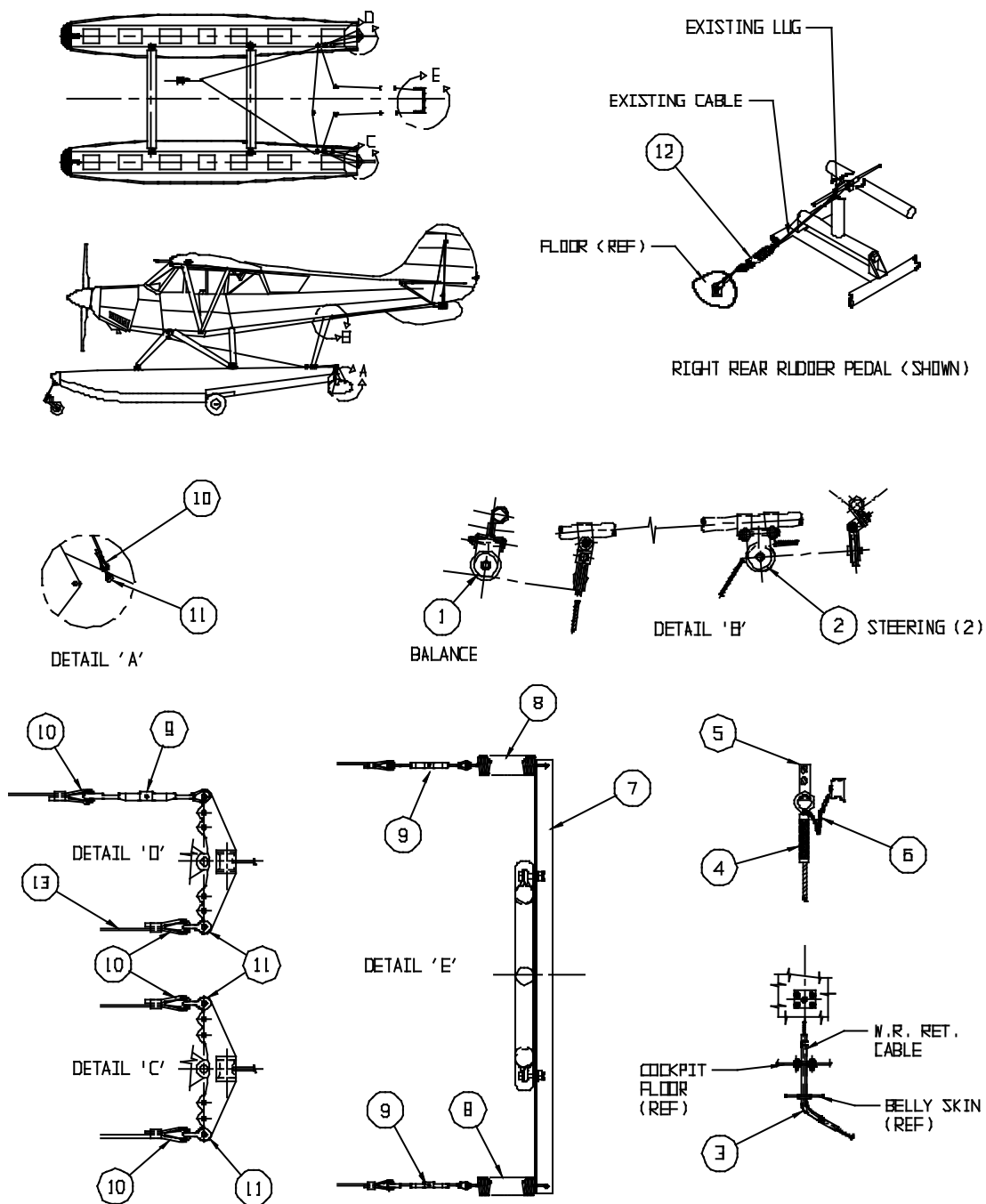
		FIGURE 12: INSTALLATION-STRUTS, WIRES, SPR. BARS	
ITEM	QTY	PART DESCRIPTION	PART NO.
	4	NUT	MS21044N4
10	2	FITTING, REAR STRUT (ATLEE DODGE)	21A02472-005
			(FLOAT S/N BELOW 256)
	2	FITTING, REAR STRUT (ATLEE DODGE)	21A02206-005
			(FLOAT S/N 257 ON)
11	2	WIRE PULL, FWD, UPPER	21A02075-002
12	2	WIRE PULL, FWD, LOWER (PA-18)	21A02462-004
	2	WIRE PULL, FWD, LOWER (PA-12)	21A02519-007
13	2	WIRE PULL, AFT, LOWER (PA-18)	21A02462-005
	2	WIRE PULL, AFT, LOWER (PA-12)	21A02462-008
14	4	BLOCK, DECK FTG.	21A03032-006
15	4	SPACER	21A03214-003
16	4	PLATE, BEARING	21A03154-007
17	4	TUBE, SPREADER BAR MOUNT	21A03115-001
18	2	SPREADER BAR	21A03356-047
19	6	BOLT	AN6-16A
20	4	BOLT	AN5-15A
21	2	BOLT	AN6-33A
22	4	BOLT	AN6-34A
23	2	BOLT	AN5-24A
24	4	BOLT	AN6-26A
25	8	BOLT	AN5-24A

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

FIGURE 12: INSTALLATION-STRUTS, WIRES, SPR. BARS			
ITEM	QTY	PART DESCRIPTION	PART NO.
26	4	BOLT	AN6-42A
27	A/R	WASHER	NAS1149D0563J
28	A/R	WASHER	NAS1149D0663J
29	16	NUT	MS21044N5
30	16	NUT	MS21044N6
31	1	STEP, LEFT SIDE	21A02369-031
	1	STEP, RIGHT SIDE	21A02369-032
	4	BOLT, STEP ATTACH	AN3-20A
	1	BOLT, STEP ATTACH	AN3-22A
	10	WASHER	NAS1149D0316J
	5	NUT	MS21044N3
	5	HOLE PLUG 1 INCH	BPF
	1	STEP, BOARDING LEFT (OPTIONAL)	1002039

SECTION 9: INSTALLATION – STEERING AND RETRACT SYSTEM

WIPLINE MODEL 2100 FLOAT PARTS MANUAL



INSTALLATION, STEERING AND RETRACT SYSTEM
FIGURE 13

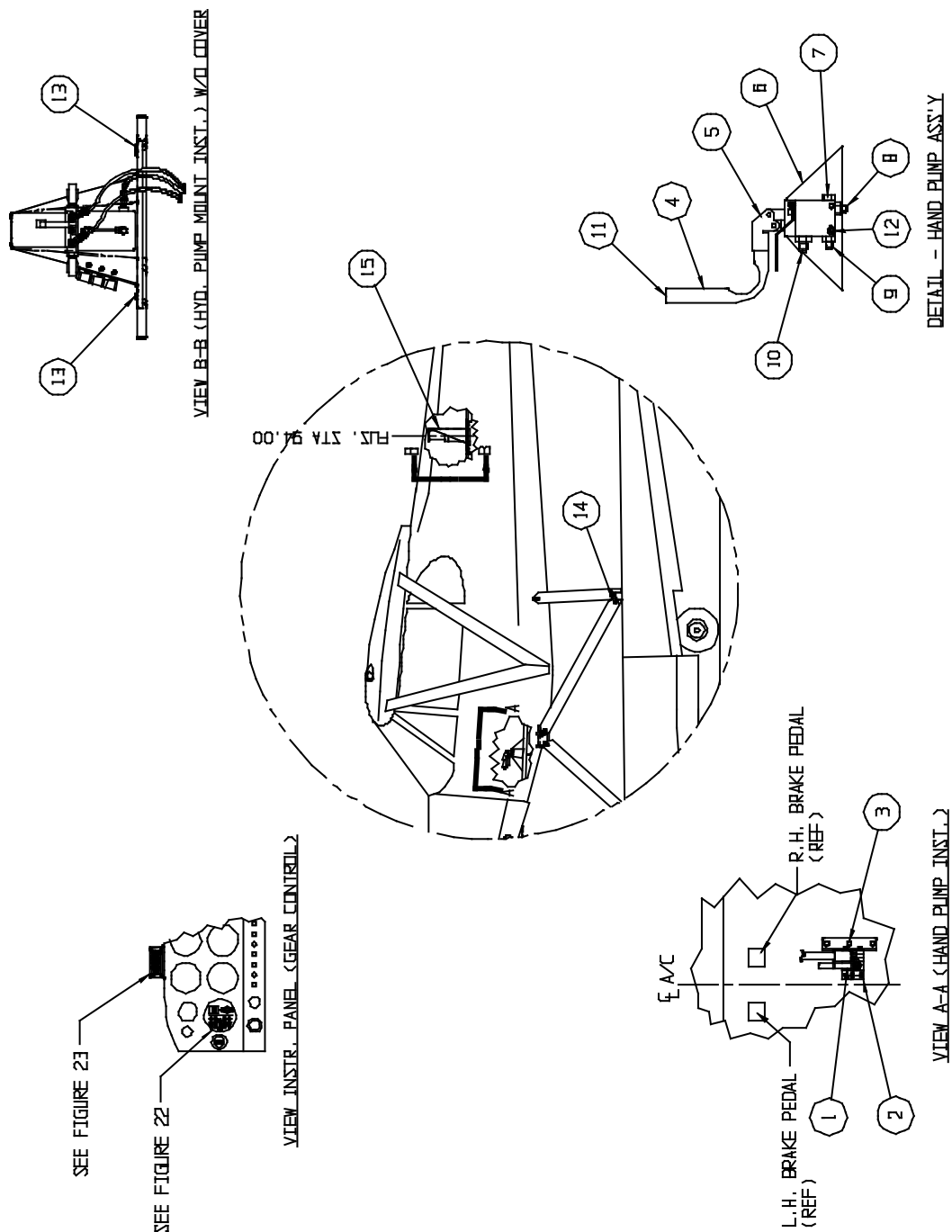
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 13: INSTALLATION-STEERING AND RETRACT SYSTEM PART DESCRIPTION	PART NO.
1	1	ASS'Y., BALANCE PULLEY	21A08000-126
	1	ASS'Y., PULLEY BRACKET	21A08000-125
	1	BRACKET	21A08008-150
	1	SPACER, BLOCK	21A08230-002
	1	PULLEY	MS20219-2
	1	BOLT	AN4-7A
	1	WASHER	NAS1149D0463J
	1	NUT	MS21083N4
	2	BRACKET, "Z"	21A08163-068
	2	CLAMP	AN742D12
	1	BOLT	AN3-17A
	3	BOLT	AN3-5A
	A/R	WASHER	NAS1149D0363J
	4	NUT	MS21044N3
	2	BOLTS	AN3-4A
	4	WASHER	NAS1149F0332P
	1	STRAP, SUPPORT, PULLEY, BALANCE	1001957
	1	WASHER	NAS1149D0416J
2	2	ASS'Y., STEERING PULLEY	21A08000-124
	1	ASS'Y., PULLEY BRACKET	21A08000-125
	1	BRACKET	21A08008-150
	1	SPACER, BLOCK	21A08230-002
	1	PULLEY	MS20219-2
	1	BOLT	AN4-7A
	1	WASHER	NAS1149D0463J
	1	NUT	MS21083N4
	2	CLAMP	AN742D12
	2	EYE BOLT	AN42B4A
	1	BOLT	AN3-17A
	A/R	WASHER	NAS1149D0363J
	3	NUT	MS21044N3
	2	WASHER	NAS1149D0316J
	1	WASHER	NAS1149D0416J
3	1	ASS'Y., RETRACT TUBE	21A08000-129
	1	GROMMET, RUBBER	MS354489-11
	4	SCREW, ATTACH	AN5261032R12

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 13: INSTALLATION-STEERING AND RETRACT SYSTEM PART DESCRIPTION	PART NO.
	4	WASHER	AN970-3
	4	NUT	MS21044N3
4	1	HANDLE, RETRACT	21A08274-007
	1	SET SCREW	33056
5	1	HOOK, RETAINER CLIP	21A08487-001
	2	SCREW, ATTACH	AN5261032R8
	2	NUT	MS21044N3
6	1	CHAIN, RETRACT, 15 INCHES	21A08747-001
7	1	EXTENSION, RUDDER HORN	21A12359-202
	2	CLAMP, ATTACH	AN742D10
	2	BOLT, ATTACH	AN4-6A
	2	WASHER	NAS1149D0463J
	2	NUT	MS21044N4
8	2	SPRING	21A08525-005
9	3	TURNBUCKLE, BARREL	MS21251B3S
	3	FORK, TERMINAL	MS21255-3RS
	1	PIN ATTACH	MS20392-2C13
	1	PIN, COTTER	MS24665-132
	1	WASHER	NAS1149D0316J
	3	EYE, TERMINAL	MS21255-3LS
10	8	THIMBLE, CABLE	AN100-3
	9	NICOPRESS, CLAMP	MS51844-43
11	5	SHACKLES	MS20115-3
	6	PIN, ATTACH	MS20392-2C13
	5	PIN, COTTER	MS24665-132
12	A/R	CABLE (REQUEST LENGTH) 3/32 X 7	RM690

SECTION 10: INSTALLATION – HYDRAULIC SYSTEM



INSTALLATION, HYDRAULIC SYSTEM, PA-18

FIGURE 14

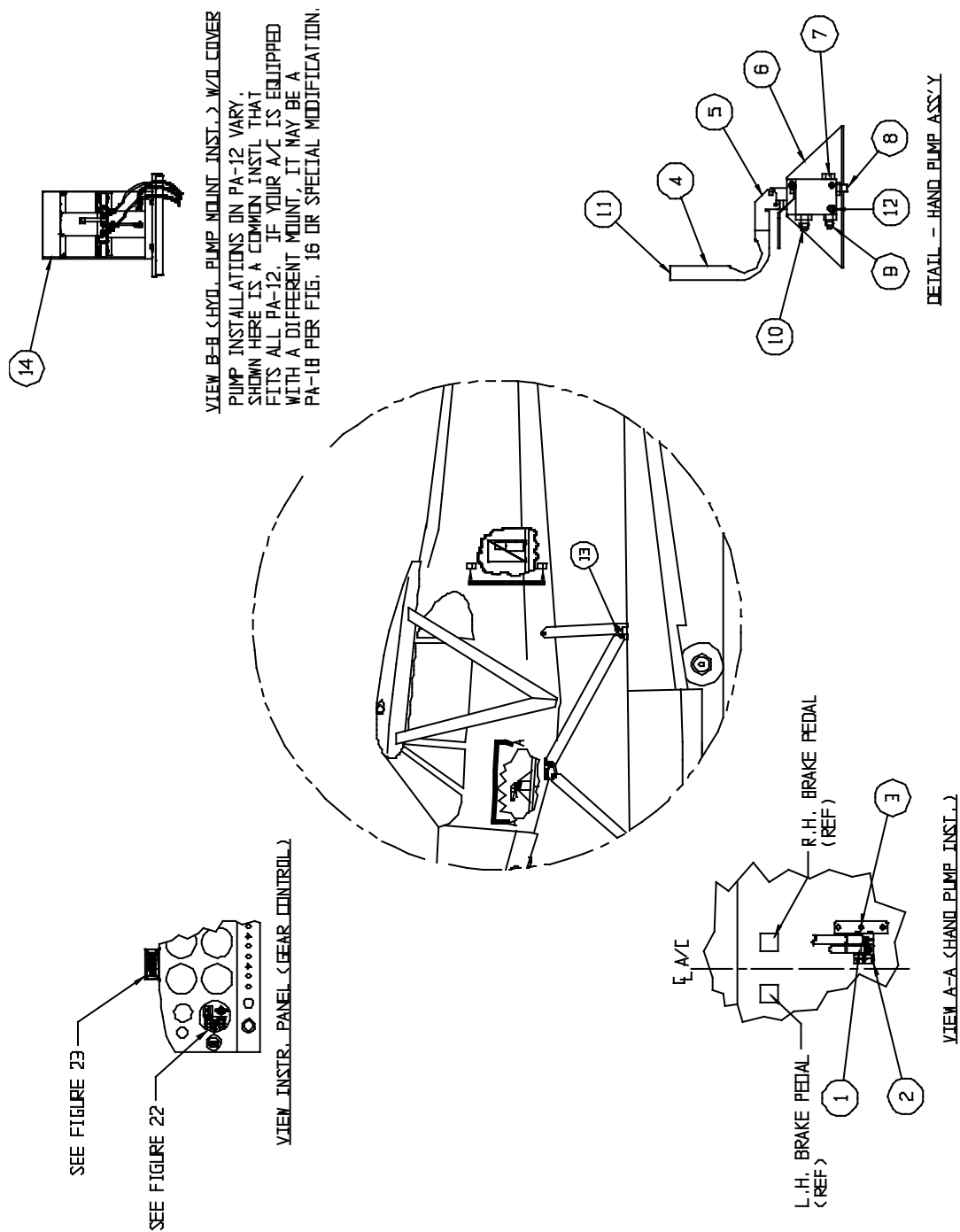
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 14: INSTALLATION – HYD. SYSTEM, PA-18 PART DESCRIPTION	PART NO.
1	1	ASS'Y., HAND PUMP	21A09000-194
2	1	PLACARD	12A3-7379-1
3	3	BOLT, ATTACH	AN3-7A
	3	WASHER	AN970-3
	3	WASHER	NAS1149F0363P
	3	NUT	MS21044N3
4	1	HANDLE	21A09396-001
5	1	HAND PUMP (ONLY)	642873
6	1	BRACKET, PUMP ATTACH	21A09156-129
7	1	PLUG	AN814-4D
	1	O-RING	MS28775-012
8	1	UNION	21A09746-001
	1	O- RING	MS28775-012
9	1	UNION	AN815-4D
	1	O- RING	MS28775-012
10	1	UNION	AN919-6D
	1	O- RING	MS28775-014
11	1	CAP PLUG	9283K13
12	2	CAP SCREW, ATTACH	MS16997-77
	2	WASHER	NAS1149F0563P
13	2	CLAMP, MOUNTING	AN742D10
	2	CLAMP, MOUNTING	AN742D12
	4	BOLT, ATTACH	AN3-3A
	8	WASHER	NAS1149D0316J
	4	NUT	MS21044N3
14	2	ASS'Y., BRAKE LINE (NOT SHOWN)	21A04000-080

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 14: INSTALLATION – HYD. SYSTEM, PA-18	PART NO.
		PART DESCRIPTION	
	2	FITTING	63-190600-3
	2	FITTING 45 DEGREES TO BOOSTER	MS20823-3D
15	1	ASS'Y., HYD. PUMP	21A09000-210
		COMPLETE WITH MOUNT, SEE FIGURE 15	

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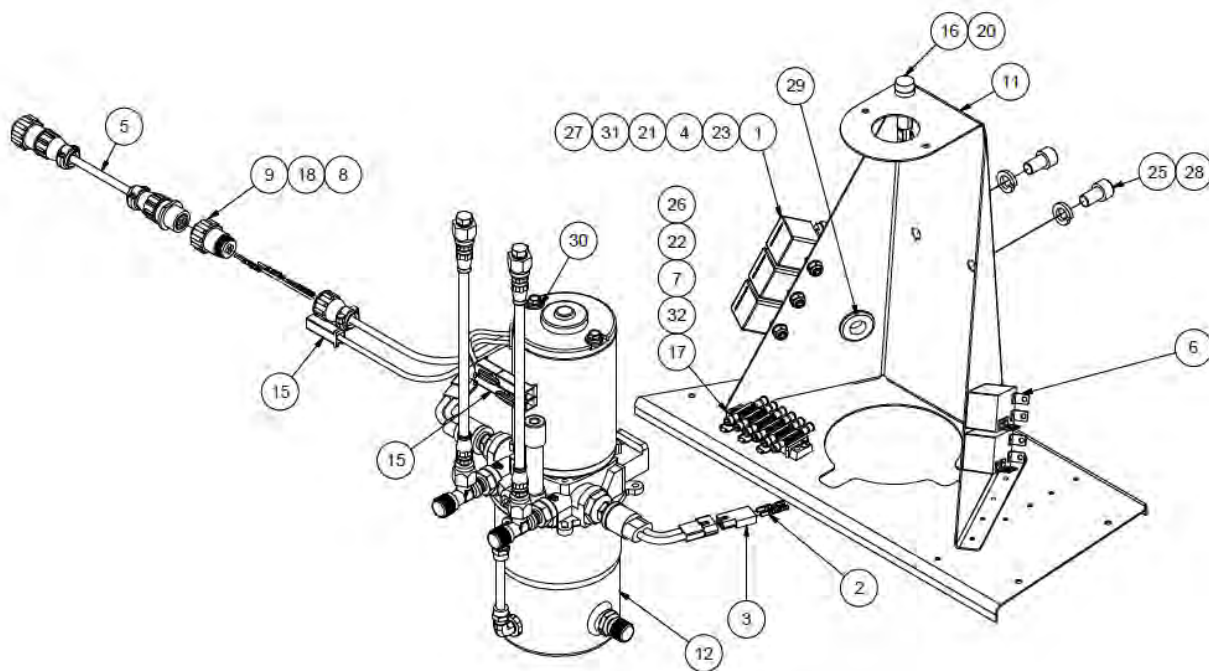
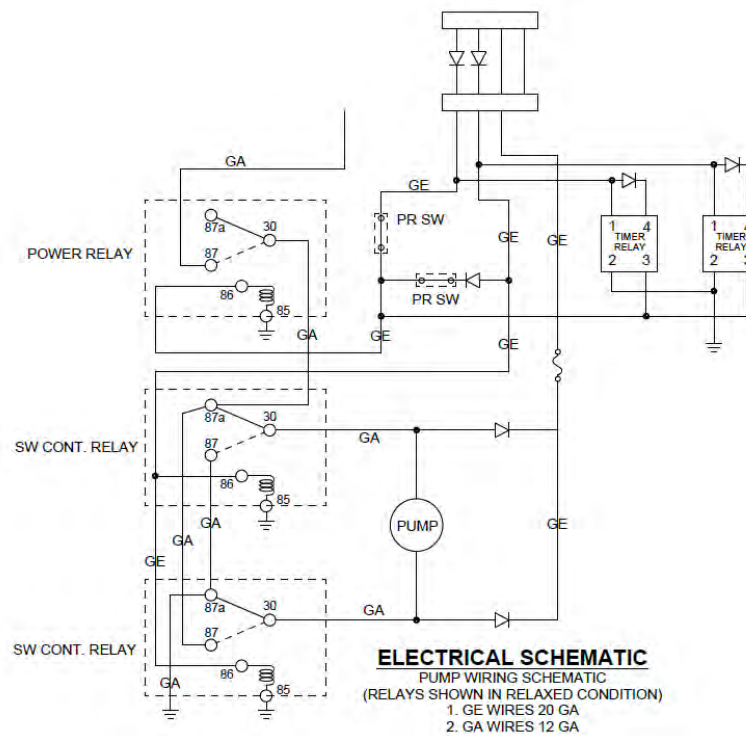


INSTALLATION, HYDRAULIC SYSTEM PA-12
FIGURE 15

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 15: INSTALLATION-HYD. SYSTEM, PA-12 PART DESCRIPTION	PART NO.
1	1	ASS'Y., HAND PUMP	21A09000-194
2	1	PLACARD	12A3-7379-1
3	3	BOLT, ATTACH	AN3-7A
	3	WASHER	AN970-3
	3	WASHER	NAS1149F0363P
	3	NUT	MS21044N3
4	1	HANDLE	21A09396-001
5	1	HAND PUMP (ONLY)	642873
6	1	BRACKET, PUMP ATTACH	21A09156-129
7	1	PLUG	AN814-4D
	1	O-RING	MS28775-012
8	1	UNION	21A09746-001
	1	O-RING	MS28775-012
9	1	UNION	AN815-4D
	1	O-RING	MS28775-012
10	1	UNION	AN919-6D
	1	O-RING	MS28775-014
11	1	CAP PLUG	9283K13
12	2	CAP SCREW, ATTACH	MS16997-77
	2	WASHER	NAS1149F0563P
13	2	ASS'Y., BRAKE LINE (NOT SHOWN)	21A04000-080
	2	FTG.	63-190600-3
	2	FTG. 45 DEGREES TO BOOSTER	MS20823-3D
14	1	ASS'Y., HYD. PUMP (COMPLETE WITH MOUNT, SEE FIGURE 16)	21A09000-210

WIPLINE MODEL 2100 FLOAT PARTS MANUAL



ASSEMBLY, HYDRAULIC PUMP PA-18
FIGURE 16

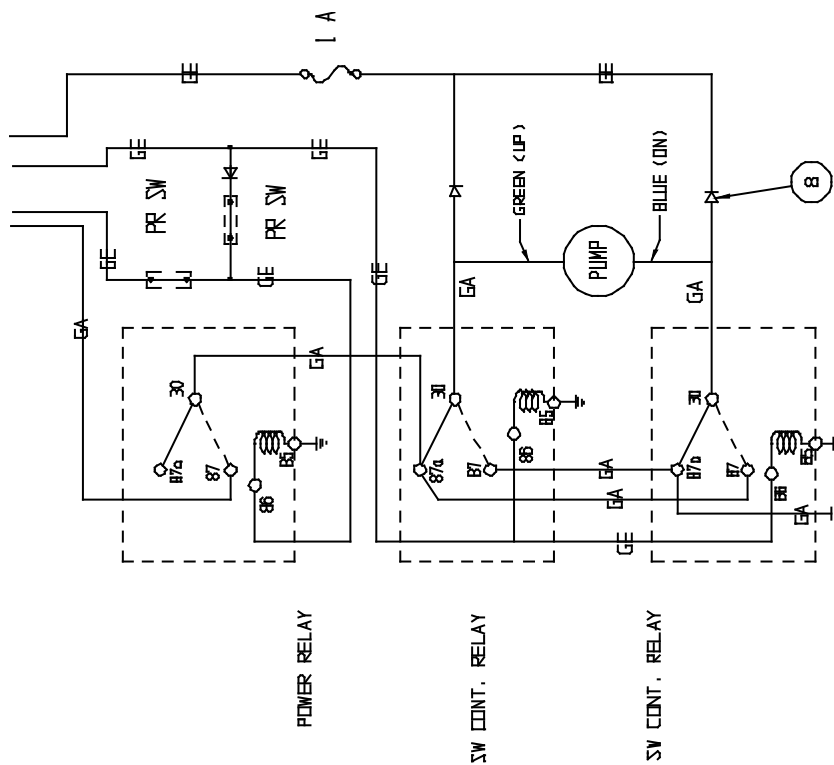
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 16: ASS'Y., HYD. PUMP, PA-18 PART DESCRIPTION	PART NO.
1	3	RELAY, 12V, 5 PRONG	0-332-209-137
2	4	PIN, CRIMP FEMALE, 1/8" DIA	02-09-1104
3	2	CONNECTOR PLUG, MALE, 2 CONN.	03-09-1022
4	14	TERMINAL	1-901-355-917
5	1	CABLE, DIODE ADAPTOR	1004949
6	1	TIMER RELAY HARNESS	1005042
7	3	DIODE, 2-1/2"	1N4004
8	2	CLAMP, CABLE, CPC SIZE 11	206062-3
9	1	PLUG, MALE, CPC SIZE 1, 4 PIN	206429-1
10	1	CPC FREE HANG, 4 PIN, FEMALE	206430-2
11	1	ASSEMBLY, HYD. PUMP BRACKET, (PA-18)	21A09000-209
12	1	ASSEMBLY, HYDRAULIC PUMP, 12V	21A09000-215
		SEE FIGURE 22 (BREAK DOWN)	
13	6 FT	WIRE, 12 AWG, WHITE	22759-16-12-9
14	10.1 FT	WIRE, 20 AWG, WHITE	22759-16-20-9
15	3	HOUSING CONNECTOR ASSEMBLY	2601048-200
16	1	FUSE HOLDER	3453LF2A
17	1	TERMINAL BLOCK, 6 CONNECTOR	6-140
18	3	PIN, CRIMP SOCKET, 24-20G	66103-4
19	3	CRIMP SOCKET, FEMALE	66105-4

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 16: ASS'Y., HYD. PUMP, PA-18	PART NO.
		PART DESCRIPTION	
20	1	FUSE, 250V, (S2565-1)	AGC-1
21	3	BOLT	AN3-3A
22	2	SCREW, MACHINE, TRUSS HEAD	AN526-632R8
23	3	SOCKET, 5 PRONG, PLASTIC	BR05FW
24	1.5 FT	HEAT SHRINK, TUBING, BLACK	HS105-3/16-0
25	2	SOCKET HEAD CAP SCREW	MS16997-96
26	2	NUT	MS21044N06
27	3	NUT	MS21044N3
28	2	WASHER, SPLIT	MS35338-46
29	1	GROMMET, RUBBER	MS35489-14
30	4	WASHER	NAS1149D0363J
31	6	WASHER	NAS1149F0332P
32	12	RING CONNECTOR	R-3

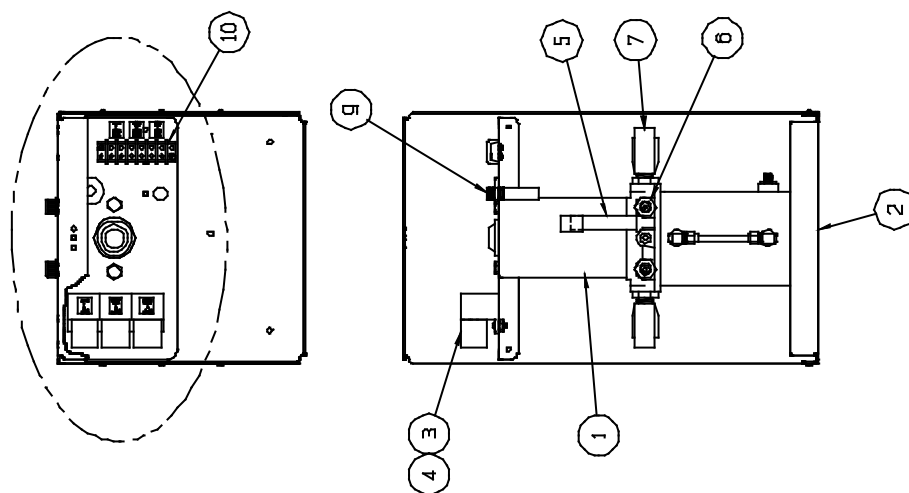
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ELECTRICAL SCHEMATIC

PUMP WIRING SCHEMATIC
(RELAYS SHOWN IN RELAXED CONDITION)

1. GE WIRES 20 GA
2. GA WIRES 12 GA
3. FOR WIRING REF DVG. 10CL-6D28

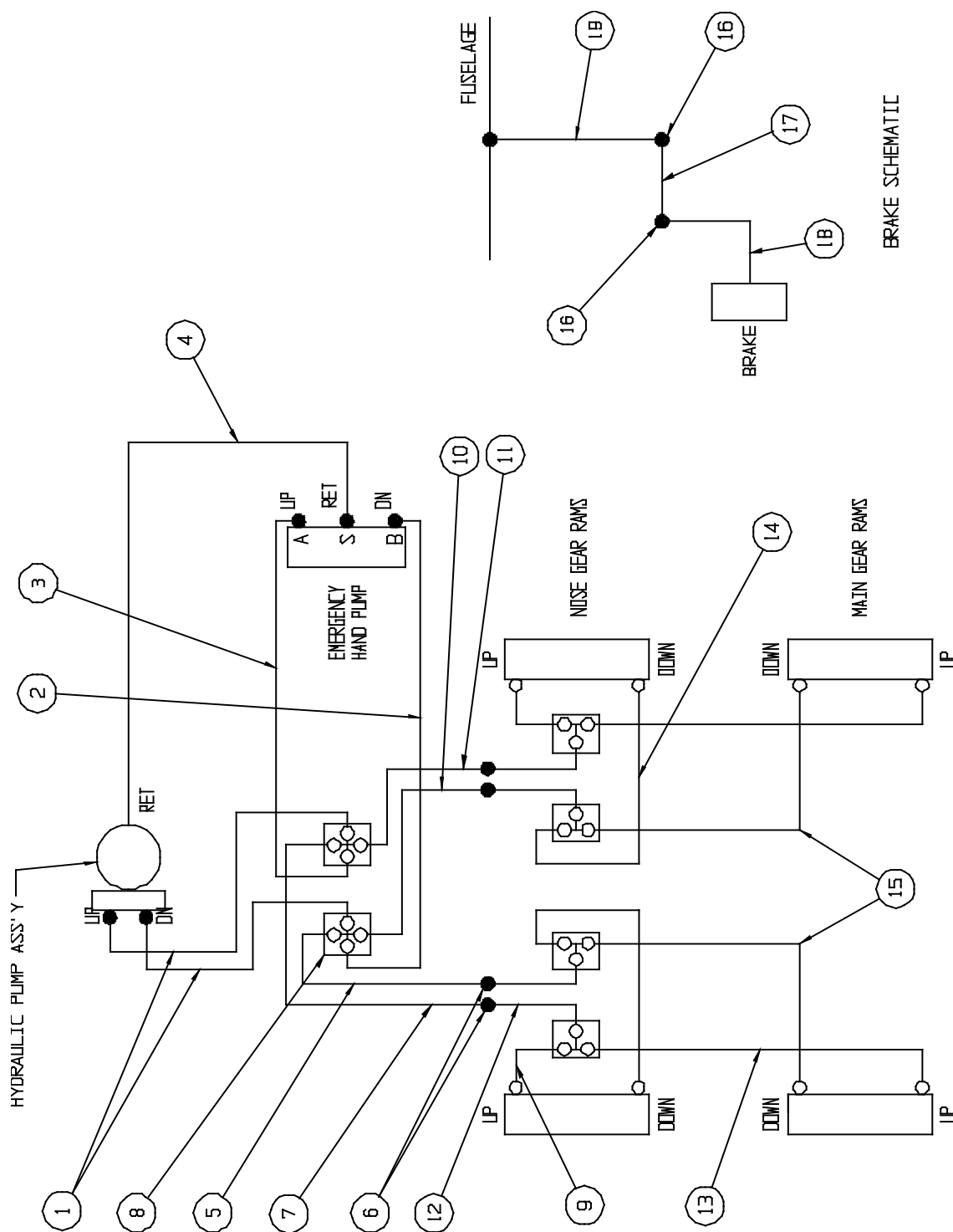


ASSEMBLY, HYDRAULIC PUMP PA-12

FIGURE 17

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 17: ASS'Y., HYD. PUMP PA-12 PART DESCRIPTION	PART NO.
	1	HYD. PUMP COMPLETE WITH MOUNT	21A09000-233
1	1	HYD. PUMP (COMPLETE)	21A09000-215 (12V)
		SEE FIGURE 22 (BREAK DOWN)	
2	1	ASS'Y., MOUNT WITH COVER	21A09000-232
	2	CAP, SCREW ATTACH TO PUMP	MS16997-96
	2	LOCK WASHER	MS353338-46
3	3	RELAY	0-332-209-137
4	3	SOCKET, RELAY	BR05FW
	15	TERMINAL	1-901-355-917
	1	BOLT, ATTACH	AN3-4A
	2	BOLT, ATTACH	AN3-3A
	6	WASHER	NAS1149F0332P
	3	NUT	MS21044N3
5	1	STAND PIPE	21A09274-006
	1	O-RING	MS28775-011
	1	FILTER	6A09706-001
6	2	FITTING	AN804-4D
	2	O-RING	MS28775-012
	1	UNION	AN815-4D
7	2	PRESSURE, SWITCH	20PS001EB700W500W
8	3	DIODE	IN4004
9	1	FUSE	AGC-1
10	1	TERMINAL STRIP	6-140
	2	SCREW	AN520-6R8
	2	NUT	AN315-640R



HYDRAULIC SCHEMATIC
FIGURE 18

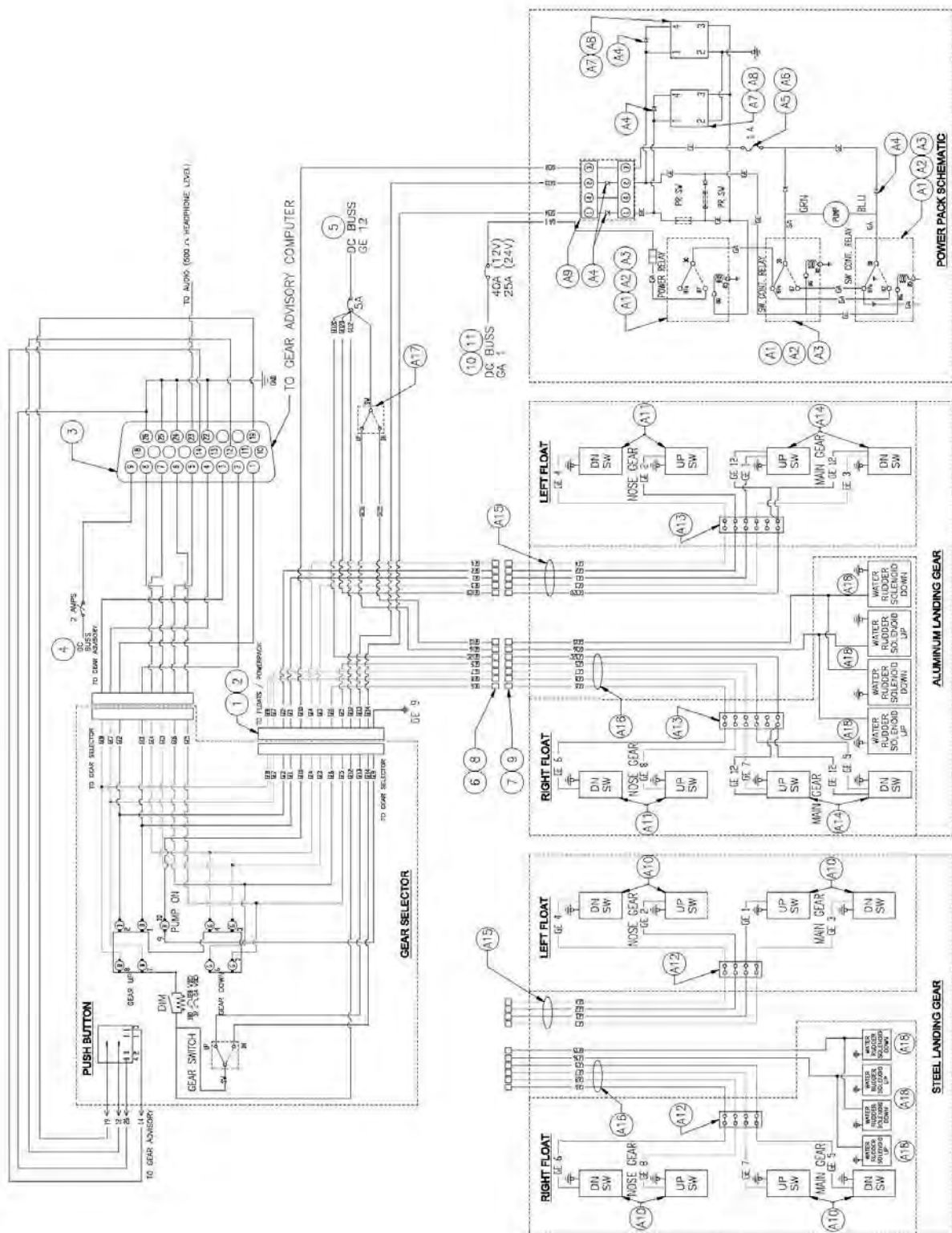
WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 18: HYDRAULIC SCHEMATIC PART DESCRIPTION	PART NO.
1	2	ASS'Y., HYDRAULIC HOSE	21A09000-204
2	1	ASS'Y., HYDRAULIC HOSE	21A09000-223
3	1	ASS'Y., HYDRAULIC HOSE	21A09000-207
4	1	ASS'Y., HYDRAULIC HOSE	21A09000-208
5	1	ASS'Y., HYDRAULIC HOSE	21A09000-206
6	4	FITTING, ELBOW (DECK FITTING)	AN833-4D
	4	NUT	AN924-4D
	4	WASHER	NAS1149D0763J
7	1	ASS'Y., HYDRAULIC HOSE	21A09000-205
8	2	FITTING, QUAD	AN827-4D
9	2	ASS'Y., HYDRAULIC HOSE	21A09000-218
10	1	ASS'Y., HYDRAULIC HOSE	21A09000-205
11	1	ASS'Y., HYDRAULIC HOSE	21A09000-206
12	4	ASS'Y., HYDRAULIC HOSE	21A09000-222
13	2	ASS'Y., HYDRAULIC HOSE	21A09000-220
14	2	ASS'Y., HYDRAULIC HOSE	21A09000-219
15	2	ASS'Y., HYDRAULIC HOSE	21A09000-221
16	2	FITTING, ELBOW	AN833-3D
	4	WASHER	NAS1149D0663J
	2	NUT	AN924-3D
17	1	LINE ASS'Y., HARD	21A04000-079

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 18: HYDRAULIC SCHEMATIC	PART NO.
		PART DESCRIPTION	
18	1	LINE ASS'Y., FLEX	21A04000-078
19	2	ASS'Y., BRAKE LINE (FUSELAGE TO DECK)	21A04000-080

SECTION 11: ELECTRICAL SCHEMATIC



ELECTRICAL SCHEMATIC
FIGURE 19

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

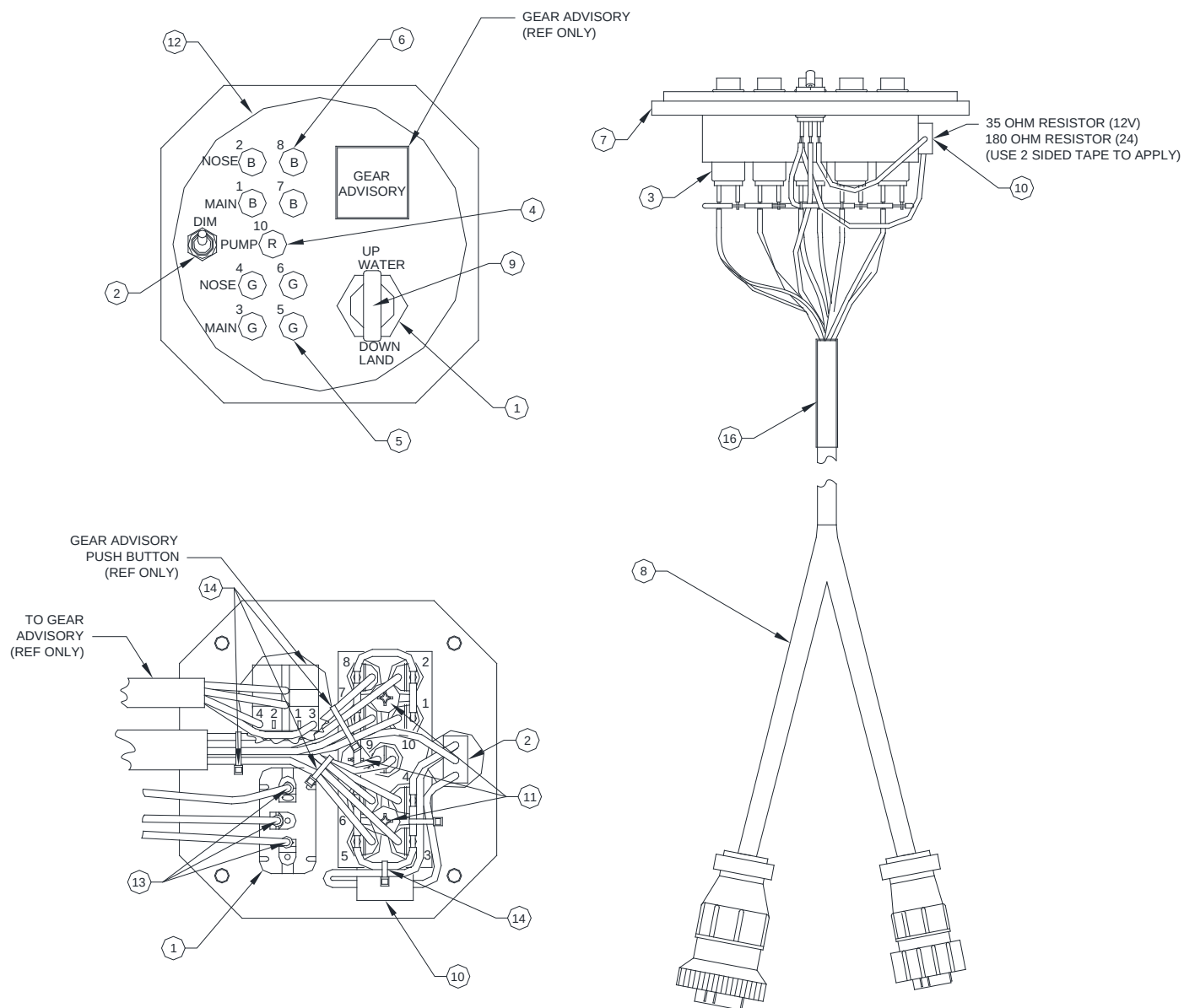
FIGURE 19: ELECTRICAL SCHEMATIC			
ITEM	QTY	PART DESCRIPTION	PART NO.
1	1	ASS'Y., WIRING HARNESS, GEAR SELECTOR	4A11000-011
3	1	ASS'Y., WIRING HARNESS, GEAR ADVISORY	4A11000-014
4	1	BREAKER, CIRCUIT, KLIXON, 2AMP	7277-2-2
5	1	BREAKER, CIRCUIT, KLIXON, 5AMP	7277-2-5
6	8	PIN	S1635-1SF
7	8	SOCKET	S1636-1
8	8	HOUSING	S1637-1
9	8	HOUSING	S1637-2
11	1	BREAKER, CIRCUIT, 40AMP	W23-X1A1G-40
A1	3	RELAY 12V	0-332-209-211
A3	3	RELAY SOCKET	BR05FW
A4	7	DIODE	1N4004
A5	1	FUSE 1 AMP	AGC-1
A6	1	FUSE HOLDER	3453LF2A
A7	2	ASSEMBLY, TIMER RELAY 12V	1005042
A9	1	DIODE CABLE ADAPTOR	1004949
A10	8	SWITCH, 2 WIRE	5801
A12	2	ELECTRICAL TERMINAL, 4 CONNECT	4-140
A15	1	ASS'Y., WIRE HARNESS, FLOATS LT	6A10000-004

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 19: ELECTRICAL SCHEMATIC	PART NO.
		PART DESCRIPTION	
A16	1	ASS'Y., WIRE HARNESS, FLOATS, RT	6A10000-005

SECTION 12: GEAR CONTROL

WIPLINE MODEL 2100 FLOAT PARTS MANUAL



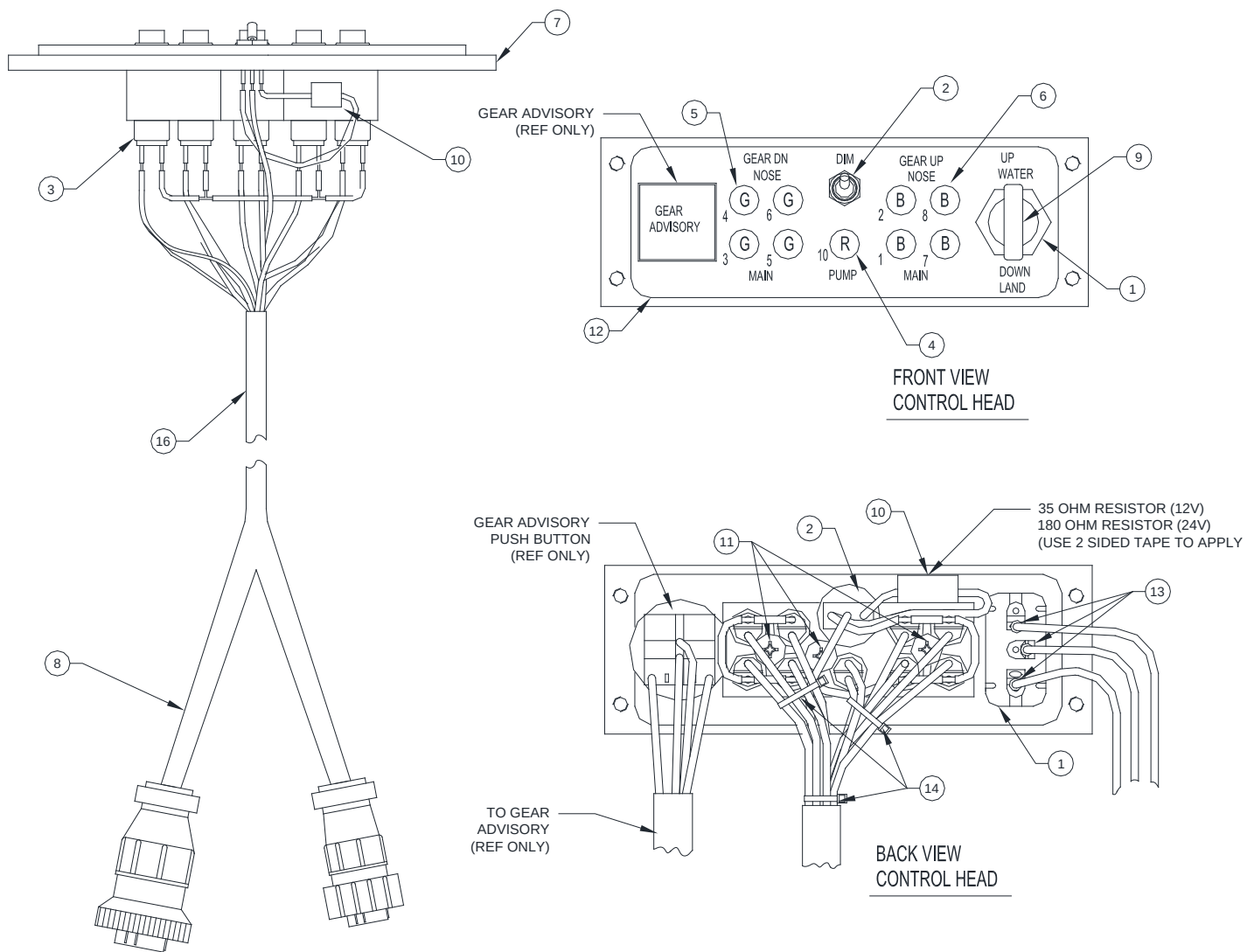
GEAR CONTROL (ROUND)

FIGURE 20

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 20: GEAR CONTROL - ROUND PART DESCRIPTION	PART NO.
	1	GEAR SELECTOR ASS'Y. ROUND (12V)	21A11000-009
1	1	SWITCH	8857K44
2	1	TOGGLE SWITCH, SPDT, ON-ON	A101SYCB
3	9	SOCKET	515-0012
4	1	INDICATOR LAMP, 14V, RED	507-3914-1431-600
5	4	INDICATOR LAMP, 14V, GREEN	507-3914-1432-600
6	4	INDICATOR LAMP, 14V, BLUE	507-3914-1434-600
7	1	BLOCK, GEAR CONTROL	21A11179-001
8	1	HARNESS ASSEMBLY, GEAR SELECTOR	4A11000-008
9	1	GEAR SWITCH KNOB	21A11259-003
10	1	RESISTOR, 14V, DALE RH5 5W	RH-5-35
11	3	SCREW, TRUSS HEAD, 6-32	AN526-632R8
12	1	PLACARD, ROUND2100 GEAR SELECTOR	10B3-6202
13	3	RING CONNECTOR, #6, 20 AWG, RED	R-3
14	5	CABLE TIE	PLT1M-M
15	16"	SHRINK WRAP, 3/16, WHITE	HIXR-3/16
16	3"	HEAT SHRINK TUBING	HS105-1/2-0
17	6"	WIRE, 20AWG, WHITE	22759-16-20-9

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

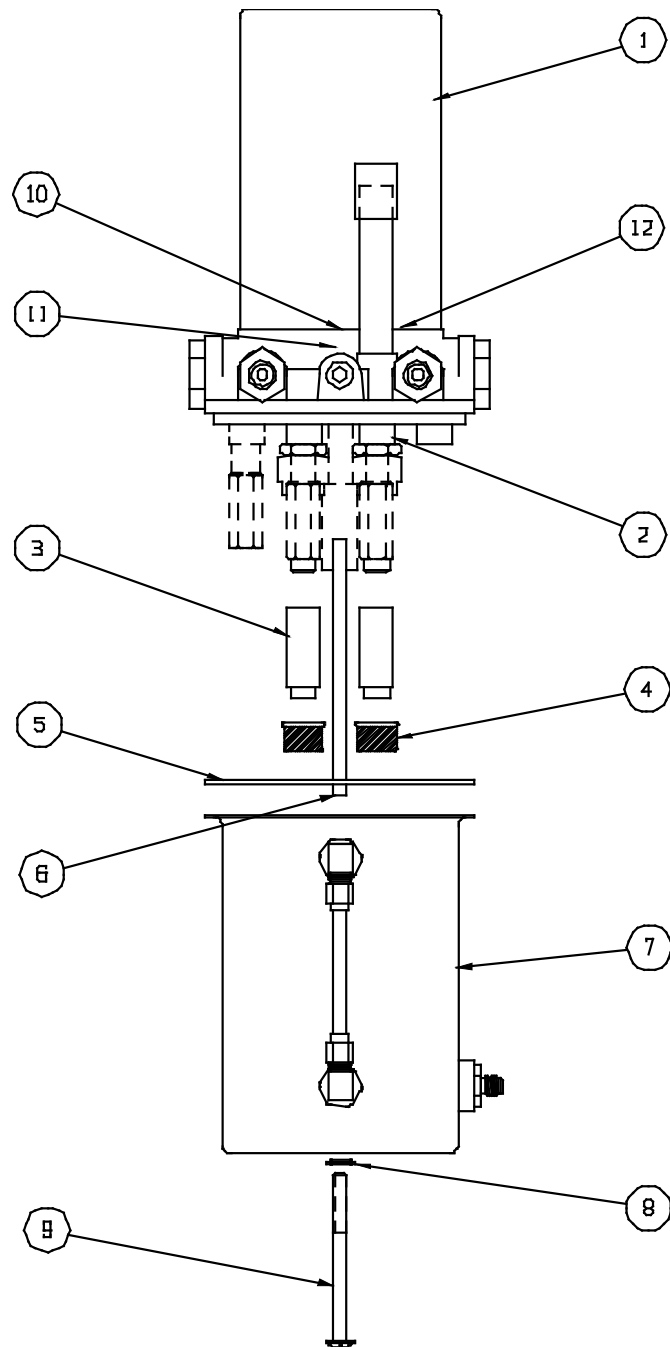


WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 21: GEAR CONTROL - RECTANGLE PART DESCRIPTION	PART NO.
	1	GEAR SELECTOR ASS'Y., RECTANGLE (12V)	21A11000-010
1	1	SWITCH	8857K44
2	1	TOGGLE SWITCH, SPDT, ON-ON	A101SYCB
3	9	SOCKET	515-0012
4	1	INDICATOR LAMP, 14V, RED	507-3914-1431-600
5	4	INDICATOR LAMP, 14V, GREEN	507-3914-1432-600
6	4	INDICATOR LAMP, 14V, BLUE	507-3914-1434-600
7	1	BLOCK, GEAR CONTROL	21A11179-002
8	1	HARNESS ASS'Y, GEAR SELECTOR	4A11000-008
9	1	GEAR SWITCH KNOB	21A11259-003
10	1	RESISTOR, 14V, DALE RH5 5W	RH-5-35
11	3	SCREW, TRUSS HEAD, 6-32	AN526-632R8
12	1	PLACARD, RECTANGLE 2100 GEAR SELECTOR	10B3-6277
13	3	RING CONNECTOR, #6, 20 AWG, RED	R-3
14	3	CABLE TIE	PLT1M-M
15	16"	SHRINK WRAP, 3/16, WHITE (<i>NOT SHOWN</i>)	HIXR-3/16
16	3"	HEAT SHRINK TUBING	HS105-1/2-0
17	6"	WIRE, 20AWG, WHITE (<i>NOT SHOWN</i>)	22759-16-20-9

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SECTION 13: HYDRAULIC PUMP



HYDRAULIC PUMP

FIGURE 22

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

ITEM	QTY	FIGURE 22: HYD. PUMP	
		PART DESCRIPTION	PART NO.
1	1	HYDRAULIC PUMP ASS'Y. (12V)	21A09000-215
		MOTOR (12V)	410497
2	1	BASIC PUMP	634873
3	2	TUBE EXTENSIONS	362136
4	2	FILTER	410521
5	1	SEAL RESERVIOR	410578
6	1	RETURN TUBE	365047
7	1	RESERVIOR, GAUGE ASS'Y.	775260
8	1	SEAL THREAD	415067
9	1	SCREW, RESERVIOR ATTACH	409715
10	1	COUPLING, MOTOR TO PUMP	361183
11	1	SEAL, PUMP SHAFT	410512
12	1	O-RING MOTOR TO BASE	405673

WIPLINE MODEL 2100 FLOAT PARTS MANUAL

PARTS MANUAL
FOR
MODEL 2100 WIPLINE FLOATS
PIPER PA-18, PA-12
ITEM NUMBER: 1002166



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