



- MANUFACTURERS OF WIPLINE FLOATS & SKIS
- SPECIALISTS IN AIRCRAFT MODIFICATION

www.wipaire.com

1700 Henry Avenue - Fleming Field
South St. Paul, MN 55075
651-451-1205

SERVICE KIT: #45

DATE: 1/31/2025

SUBJECT: Landing gear removal, and float hull modifications. (For operation without landing gear)

MODEL: All model 8000 amphibian floats

INSTALLATION INSTRUCTIONS:

REMOVAL:

1. Remove Landing gear. Nose and main. (Items desired)
2. Remove fuselage hydraulic pump, gear selector, and hand pump if desired.
3. Plug all hydraulic lines.
4. Record all weight and arm of removed items to revise weight and balance.
See weight and balance section for removed items weights and arms.

ASSEMBLY:

1. Install main gear wheel well cover to float per attached drawing.
2. Install using a good waterproof sealant.
3. The cover is not structural, but must be watertight, and able to be pumped out with a pump out cup. Install cup on top skin and route to lowest point. (Forward center). Refer to parts manual for installation.
4. The top skin gear vent hole (aft of step of float centerline) must be covered. Use p/n 8A01150-207. May be riveted or sheet metal screwed. Seal to top skin.
5. The nose bulkhead nose box hole after gear removal must be covered. Use cover p/n 8S01002-101. Replace nose bumper with seaplane bumper p/n 8S01732-001.
6. Seal all bulkhead holes where items were removed.

REMARKS

1. If the above covers are not planned on being removed, rivets in place of screws may be used.
2. All original holes in main wheel well carry thru straps must be filled with rivets or screws.
3. Once modification is complete, request new Seaplane POH from Wipaire Customer Service.

PARTS LIST

<u>Part No.</u>	<u>Description</u>	<u>Qty</u>
8S01002-101	Cover – Nose Box	2
8S01732-001	Nose Bumper	2
8A01150-207	Cover – Top Skin	2
8A01150-206	Cover – Wheel Well	2
6A01156-014	Access – Reinforcement	8
8A01359-249	Angle – Center	4
8A01359-250	Angle – Step Bulkhead	2

<u>Part No.</u>	<u>Description</u>	<u>Qty</u>	
8A01359-251	Angle – Step Bulkhead	2	
8A01347-010	Keel	2	
8A01160-052	Keel – Splice Plate	4	
6A01158-151	Inspection Cover	8	
4A01749-001	Pump Out Cup	2	
3A01158-005	Ring	2	
3A01158-003	Clamp – Lower	2	
8A01618-026	Pump Out Tube	2	
SNP16-10	Clamp – Upper	2	
AN526-832R8	Screw	120	Optional
AN526-632R6	Screw	180	
MS21069L08	Platenut	50	Optional
NAS1473A3	Platenut – Domed	60	Optional
	Rivets		Not Furnished
	Sealant		Not Furnished

WEIGHT AND BALANCE INFORMATION

<u>ITEMS REMOVED</u>	<u>WEIGHT</u>	<u>ARM</u>
Main gear wheel assemblies complete	145.00	200.00
Nose box assemblies complete	52.00	46.00
Nose gear lower assemblies with springs	68.65	37.00
Nose bumpers exchange	3.00	36.00
Slide tubes	5.40	190.00
Carriages	4.22	210.00
Main ram assemblies	18.00	230.00
Aft slide tube fittings	4.00	211.00
Fuselage hydraulic pump assembly	27.00	330.00
Hand pump	3.25	126.00
Gear selector	2.50	115.00
<u>ITEMS ADDED</u>	<u>WEIGHT</u>	<u>ARM</u>
Main wheel covers	8.50	200.00

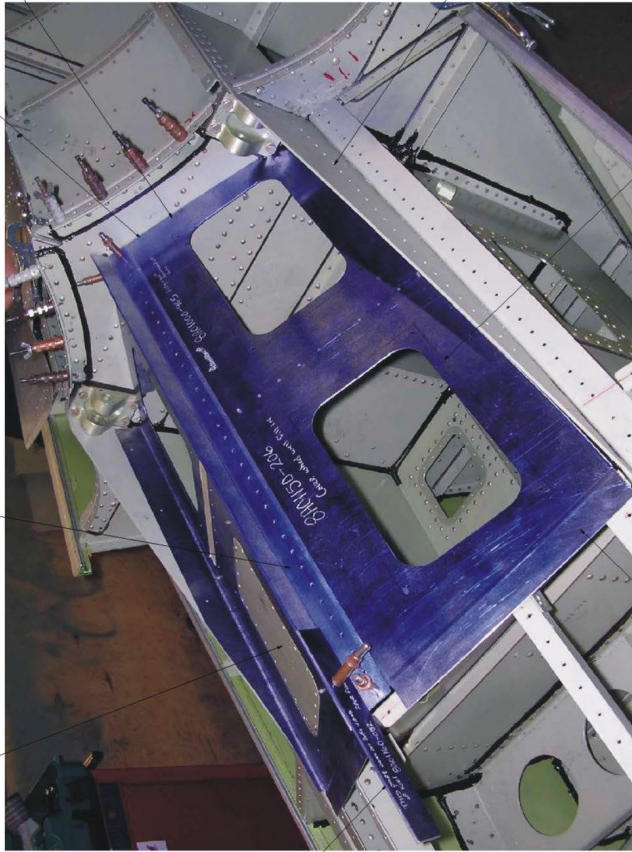
8A01347-010 KEEL
 AFTER FITTING FILL-IN COVER, TRIM KEEL TO FIT UP AGAINST STEP BULKHEAD AND EXISTING AFTERBODY KEEL. MATCH DRILL TO FILL-IN COVER. SEAL AND RIVET WITH AN470AD4 RIVETS.

TRIM FWD EDGE AS NECESSARY SO AFT EDGE JOGGLE SITS FLAT TO AFTERBODY SKIN, AND FWD EDGE IS TIGHT TO STEP BULKHEAD.

8A01359-251 LEFT ANGLE
 8A01359-250 RIGHT ANGLE
 AFTER POSITIONING COVER ASSY IN WHEELWELL, MARK A PENCIL LINE ON STEP BULKHEAD TO LOCATE ABOVE ANGLES. LAYOUT A HOLE PATTERN ON ANGLE SO TO MISS RIVETS HEADS APPROX. 1.0 SPACING. FLUSH ANY EXISTING RIVETS HEADS SO ANGLE IS TIGHT TO BULKHEAD.
 INSTALL 6 OR 7 NAS1473A3 PLATENUTS TO STEP BULKHEAD. ATTACH ANGLE TO BULKHEAD WITH AN526-832R8 SCREWS AIR AN960-8L WASHERS AIR
 LAYOUT A HOLE PATTERN IN FILL-IN COVER TO ATTACH TO 8A01359-249 AND -250 ANGLES.
 INSTALL NAS1473A3 PLATENUTS 6 OR 7 TO EACH ANGLE. SECURE COVER TO ANGLES WITH AN526-832R8 SCREWS AIR AN960-8L WASHERS

DRILL OUT ALL RIVETS IN CARRY THRU STRAP AND REINSTALL WITH FLUSH RIVETS IN EVERY OTHER HOLE. THIS ALLOWS INSIDE COVER FLANGE TO FIT TIGHT TO EDGE. BOTH SIDES. AREA NOTED. DRILL OUT EVERY OTHER RIVET HOLE TO #19 DIA. BACK DRILL FROM CARRY THRU STRAP THROUGH FILL-IN COVER FLANGE. MOUNT ON COVER FLANGE MS21089L08 PLATENUTS. ATTACH COVER TO FLOAT WITH AN526-832R8 SCREWS.

8A01150-206 COVER - WHEELWELL FILL-IN WITH (4) 8A01156-014 COVER REINFORCEMENTS AND 8A01359-249 ANGLES (2) INSTALLED. POSITION AS SHOWN, TRIM TO FIT OPENING.



8A01158-151 COVERS (4)
 ATTACH TO 8A01156-014 HOLE REINFORCEMENT WITH AN526-832R8 SCREWS (2) EA. COVER SEAL COVER WITH CAULKING BEFORE INSTALLATION.

8A01160-052 SPLICE DOUBLER
 (1) EA. SIDE OF KEEL FLANGE.
 MIN OF 5 #5 RIVETS EA. SIDE OF SPLICE.

DRILL OUT RIVETS ATTACHING AFTERBODY SKIN TO AFT WHEELWELL BULKHEAD. FLUSH RIVET EVERY OTHER HOLE. DRILL OUT EVERY OTHER RIVET HOLE TO #19 DIA. ON BULKHEAD FLANGE. ATTACH NAS1473A3 PLATENUTS. ATTACH COVER TO AFT BULKHEAD WITH AN526-832R8 SCREWS.

INSTALLATION – WHEEL WELL COVER
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