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## SERVICE LETTER 248

### Water Deflection Panel (Bulkhead #17) Reinforcement

<b>Aircraft Makes/Model(s):</b>	<b>Float Model(s):</b>	<b>Compliance:</b> Optional	<b>By:</b> MAS
Air Tractor AT-802 and AT-802A	10000A	<b>Part Number:</b> 1012082	<b>Approved:</b> DRH
		<b>Date:</b> 10/25/2022	<b>Revision:</b> C

### LOG OF REVISIONS

Revision	Description	Date
A	Initial release	5/24/2022
B	Added edge distance note for match-drilled keel rivets.	6/15/2022
C	Added note to Step 7 in Work Instructions.	10/25/2022

FAA approval has been obtained for technical data in this publication that affects STC or TSO design compliance.

#### EFFECTIVITY:

This service letter applies to Air Tractor models AT-802 and AT-802A with Wipline 10000 Amphibian Floats installed per STC SA01795CH with float serial numbers 10283A & 10284A and prior.

#### COMPLIANCE:

Optional Compliance

#### BACKGROUND:

The water deflection panel (bulkhead #17, aft of wheel well) may experience deformation during water operations.

#### COMPLIANCE METHOD:

If the extent of deformation allows, install internal reinforcement assembly 1012071 (one per float) in accordance with the Work Instructions provided in this service letter.

#### APPROXIMATE SHOP HOURS:

Performing the work instruction will take approximately 12 labor hours to complete per float.

#### WARRANTY INFORMATION:

This service letter does not include warranty for labor and parts.

#### TECHNICAL DATA:

Copies of this service letter, associated service kit (if applicable), float service manual, and float parts manual are available by contacting Wipaire customer service.

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

Order Part Quantity As Needed		
QTY	Part Number	Description
1 (Per Float)	1012071	ASSEMBLY, REINFORCEMENT, BULKHEAD #17

## Work Instructions

1. Position and prepare aircraft for safe maintenance.
2. Remove top deck cover to gain access to bulkhead #17. See Figure 1.
3. Remove pump-out tube from bottom of float bay. Remove tube clip and plug rivet holes if clip conflicts with reinforcement assembly (if within ~1" of bulkhead centerline).
4. Remove rivets from keel between the flanges of bulkheads #17 and #18.
5. Remove sealant in the area as required.
6. Match drill holes from keel into reinforcement assembly 1012071.

**Note:** If the forward-most or aft-most keel rivet locations between the bulkhead flanges would violate 2D edge distance (ref: AC 43.13-1B) if placed in the reinforcement assembly, it is acceptable to trim the reinforcement assembly flanges to clear these rivets. Maintain the necessary edge distance for the adjacent rivet locations.

7. Match drill the vertical holes from reinforcement assembly into bulkhead #17.

**Note:** Given minor geometric variations, especially among early float serial numbers, it may be necessary to add aluminum shim(s) between the bulkhead and the mating flanges of the reinforcement assembly. Shims must be finished/sealed against corrosion and trapped moisture.

8. Remove parts and debur all new holes.
9. If the pump-out clip was removed in step 3, it may be relocated to the reinforcement assembly at this time, if desired.
10. Install assembled pieces using PR-1422 (or equivalent) at contacting surfaces and MS20470AD5 rivets.
11. Edge seal the installed reinforcement assembly and prime as needed.
12. If removed in step 3 and not already relocated in step 9, relocate the pump-out tube clip. The clip may be located on the new reinforcement parts or on bulkhead #17 (as before). Install the pump-out tube.
13. Reinstall top deck access cover.

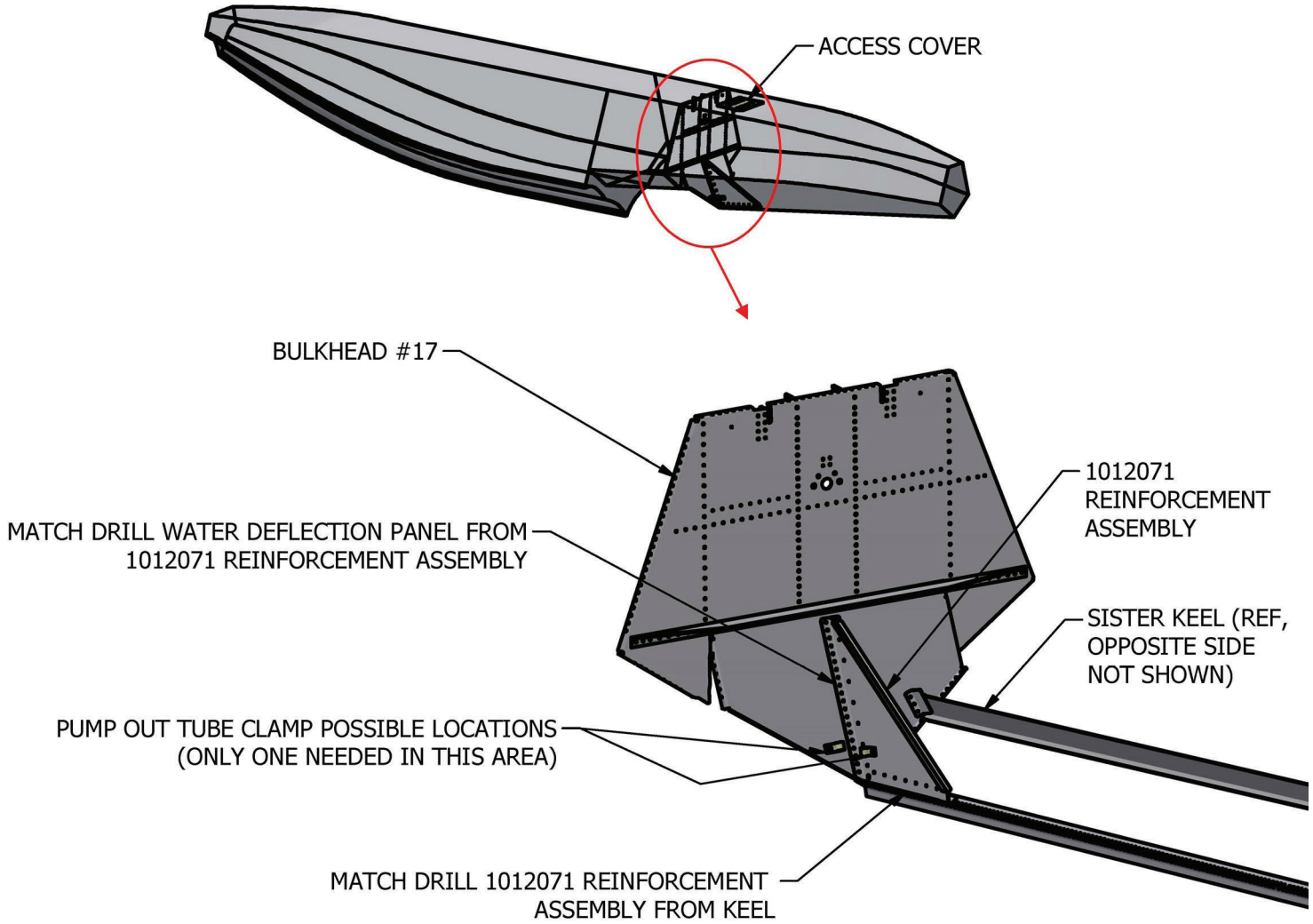


Figure 1

## Aircraft Closing & Return to Service

1. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 248.