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SERVICE LETTER 74

Removal of Horizontal Panel and Trunion on 13000 Seaplane Floats for Weight Reduction

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAS
DeHavilland DHC-6	13000S	Part Number: 1002452	Approved: DRH
		Date: 9/7/2022	Revision: C

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	6/8/2005
B	Updated effectivity and background information.	11/4/2019
C	Full rewrite, obsoleted Service Kit 54.	9/7/2022

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

EFFECTIVITY:

This service letter applies to DeHavilland model DHC-6 with Wipline 13000 Seaplane Floats installed per STC SA2CH with serial number 13066 and prior.

COMPLIANCE:

Optional Compliance

BACKGROUND:

Model 13000 seaplane floats were manufactured with provisions for converting from amphibian floats. The trunion and horizontal panel may be removed to reduce weight within the seaplane float. This service letter provides procedures and assumes Service Letter 59 has already been completed for the tunnel removal.

COMPLIANCE METHOD:

Perform work as shown in the Work Instruction section of this service letter.

APPROXIMATE SHOP HOURS:

Performing the work will take approximately 10 labor hours to complete.

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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Work Instructions

Horizontal Panel Removal

Remove all rivets that connect the horizontal panel to the #17 bulkhead. Remove the rivets that connect the horizontal panel to the side skins. Carefully break loose any sealer around the horizontal panel using a putty knife or similar scraping tool. (Be very careful not to damage the skins or the bulkhead with the scraping tools). If the float is not taken apart, you may have to cut the horizontal panel into small pieces using a cut-off wheel, so you can remove it through the top access hole. After the horizontal panel is removed, all the rivet holes on the #17 bulkhead and the rivet holes on the side skin must be filled with rivets to plug the holes. When this is completed, make sure to water check the compartments involved to make sure there are no leaks. (This is very important).

Trunion Removal

Remove the 8 bolts on the trunnions. Break loose the sealer from around the trunion using a putty knife or similar scraping tool. (Be careful not to damage the bulkhead with the scraping tool. Remove the trunnions. Plug bolt holes with bolts. (Make sure to seal the bolts by dipping them in sealer before installing them). When this is completed, make sure to water check the compartments involved to make sure there are no leaks. (This is very important).

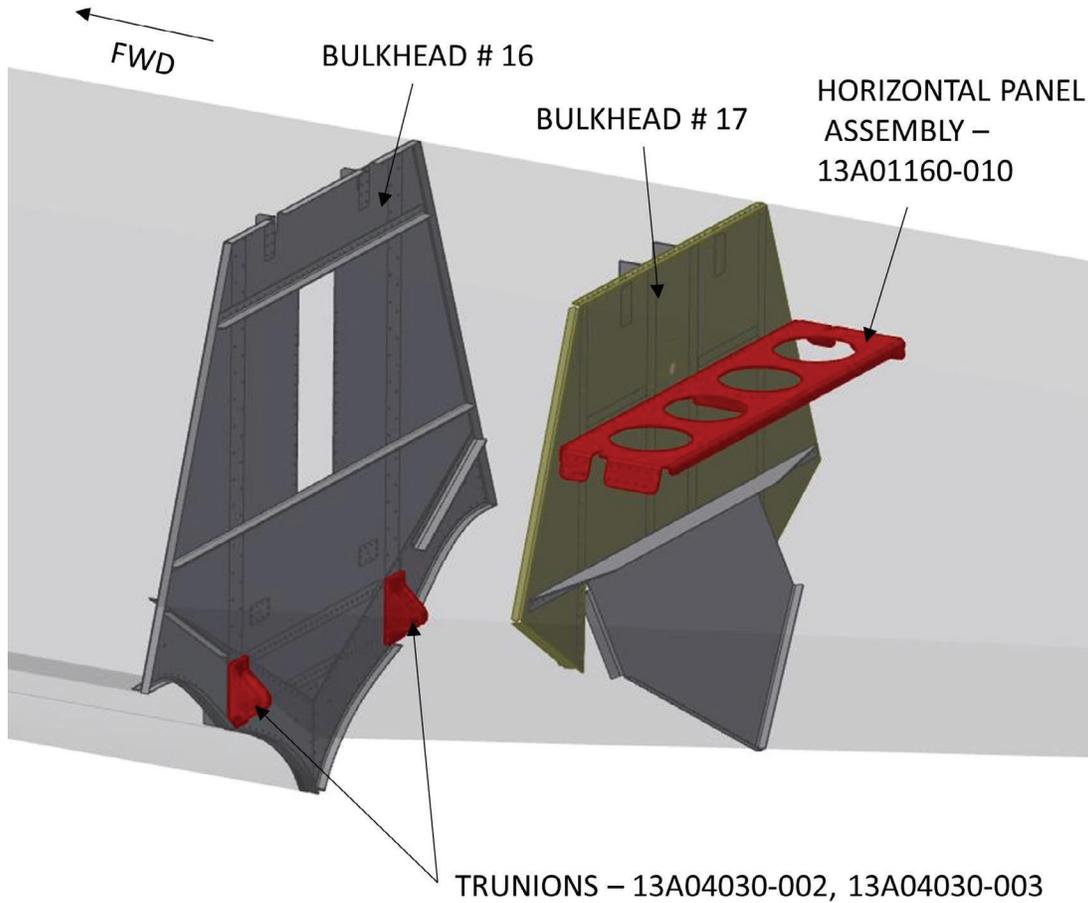


Figure 1

WEIGHT AND BALANCE SUMMARY (PER FLOAT)

NOTE: This figure is for reference, based on idealized geometry.

Description	P/N	Weight (Lb)	Arm (Inches from Acft Datum)	Moment (in-lb)
Panel (REMOVED)	13A01160-010	-3.5	259	-906.5
Trunion (REMOVED)	13A04030-002	-0.9	227	-204.3
Trunion (REMOVED)	13A04030-003	-0.9	227	-204.3
Total		-5.3		-1315.1

Table 1

Aircraft Closing & Return to Service

1. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 74.