



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

SERVICE LETTER 173

10000 BULKHEAD 7, 10, AND 12 STIFFENER ADDITION

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Mandatory	By: RCG
AT-802 AT-802A	10000A	Part Number: 1009163 Date: 9/18/2018	Approved: JRS Revision: B

EFFECTIVITY:

Bulkhead 7 content of this service letter applies to: Air Tractor models AT802 and AT802A with Wipline 10000A Fireboss Amphibious Floats S/N 10172 and prior installed per STC SA01795CH

Bulkhead 10 and 12 content of this service letter applies to: Air Tractor models AT802 and AT802A with Wipline 10000A Fireboss Amphibious Floats S/N 10194 and prior installed per STC SA01795CH

COMPLIANCE:

Mandatory compliance

BACKGROUND:

Some floats have been experiencing buckling in bulkhead 7, 10, and 12. A stiffener has been added to the bulkhead to provide additional strength

COMPLIANCE METHOD:

Install provided parts as shown in the Work Instruction section of this service letter. Depending on the condition of the bulkhead, the part will be installed as a doubler or as a stiffener

APPROXIMATE SHOP HOURS:

Installing the stiffeners to bulkhead 7 will take approximately 4 labor hours to complete per float. Installing the stiffeners to bulkhead 10 and 12 will take approximately 6 labor hours (per bulkhead) 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 at www.wipaire.com

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	8/16/2017
B	Document format update, added bulkheads 10 and 12, added notes about edge distance	9/18/2018

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

CONTENTS

WORK INSTRUCTION - BULKHEAD 7	3
METHOD A - BULKHEAD 7 - CRACKS PRESENT	4
METHOD B - BULKHEAD 7 - NO CRACKS PRESENT	7
WORK INSTRUCTION - BULKHEADS 10 AND 12	10
METHOD A - BULKHEADS 10 AND 12 - CRACKS PRESENT	11
METHOD B - BULKHEADS 10 AND 12 - NO CRACKS PRESENT	13
AIRCRAFT CLOSING AND RETURN TO SERVICE	15

ITEMS PROVIDED IN SERVICE KIT 1009163-01 (1 SET OF FLOATS)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	1009683	BULKHEAD 10 PANEL STIFFENER
2	2	1009684	BULKHEAD 10 PANEL STIFFENER
3	2	1009797	BULKHEAD 12 PANEL STIFFENER
4	2	1009798	BULKHEAD 12 PANEL STIFFENER
5	8	AN525-832R8	SCREW
6	16	NAS1149FN832P	WASHER
7	8	MS21044N08	NUT

If revision A of service letter 173 has been complied with, order Kit 1009163-01

ITEMS PROVIDED IN SERVICE KIT 1009163-02 (1 SET OF FLOATS)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	1009299	BULKHEAD 7 PANEL STIFFENER
2	2	1009300	BULKHEAD 7 PANEL STIFFENER
3	2	1009683	BULKHEAD 10 PANEL STIFFENER
4	2	1009684	BULKHEAD 10 PANEL STIFFENER
5	2	1009797	BULKHEAD 12 PANEL STIFFENER
6	2	1009798	BULKHEAD 12 PANEL STIFFENER
7	8	AN525-832R8	SCREW
8	16	NAS1149FN832P	WASHER
9	8	MS21044N08	NUT

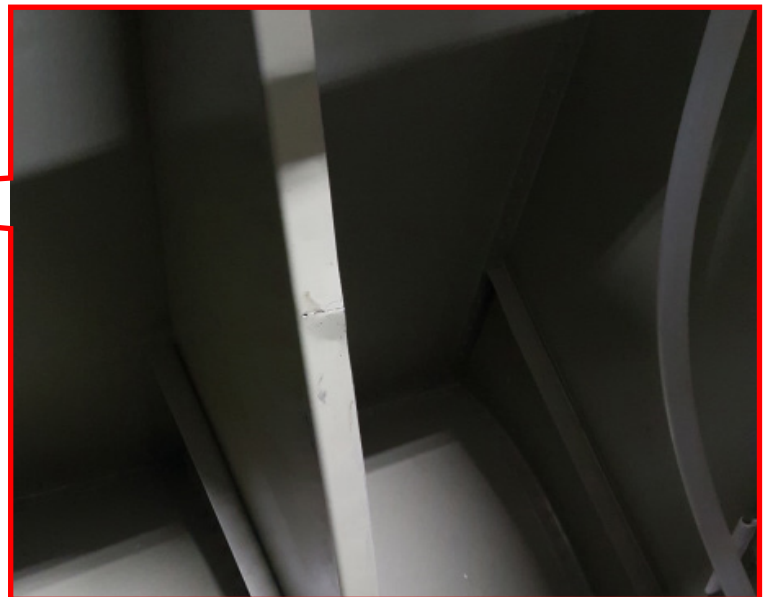
If revision A or later of service letter 173 has NOT been complied with, order Kit 1009163-02

WORK INSTRUCTION - BULKHEAD 7

1. Gain access to the bulkhead 7 assembly by removing 3rd access cover shown



2. Inspect bulkhead 7 for cracking



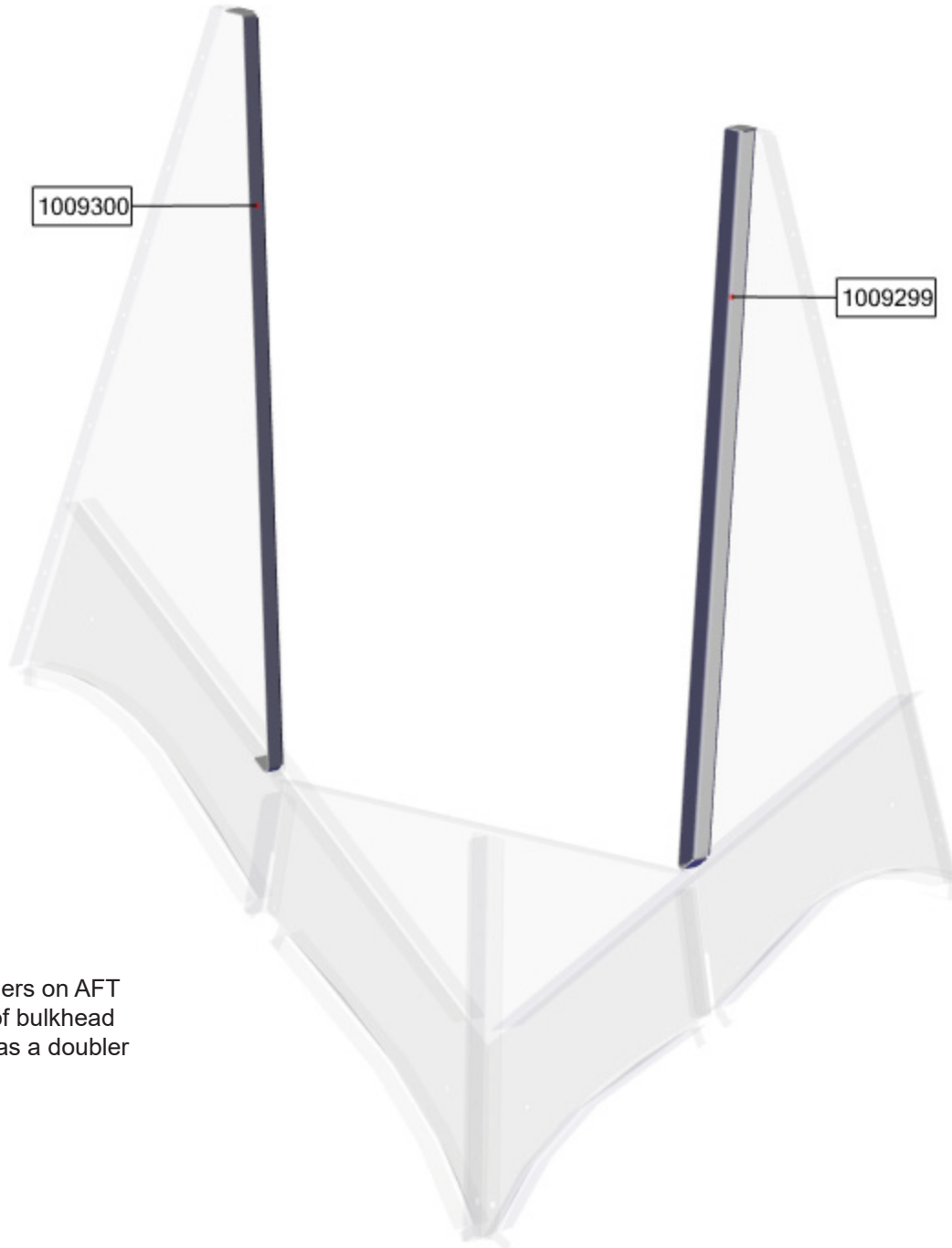
Example of cracking in bulkhead 7. The damage is not limited to the area shown. Thoroughly check all of bulkhead 7.

3. If cracking is found in bulkhead 7, perform **method A** for repair. If no cracking is found in bulkhead 7, perform **method B** to prevent cracking

METHOD A - BULKHEAD 7 - CRACKS PRESENT

Perform method A if bulkhead 7 has cracks

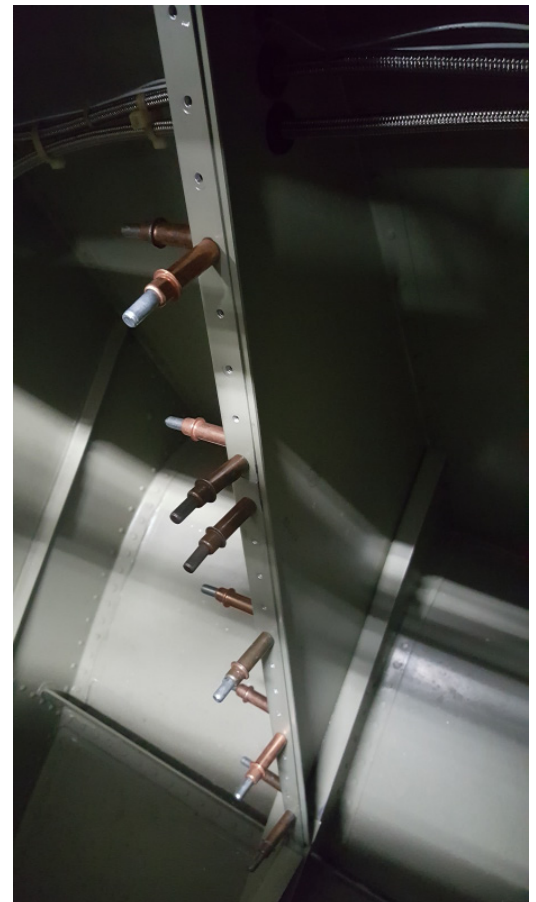
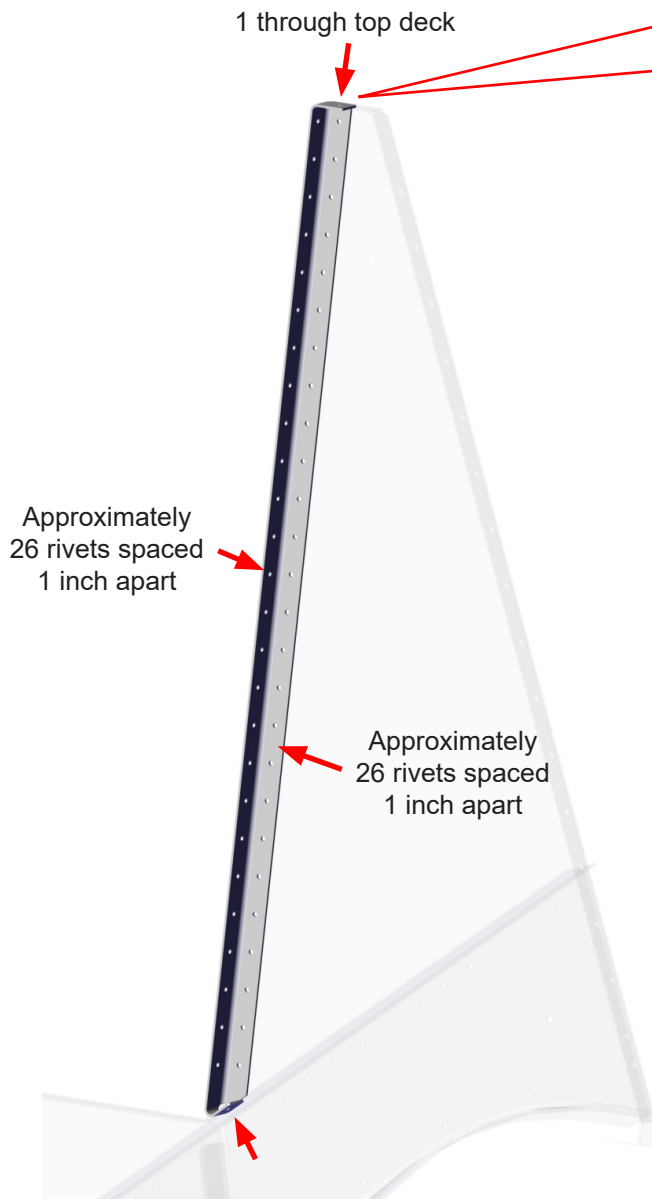
1. Place left and right stiffeners on AFT side of bulkhead as shown



Stiffeners on AFT
side of bulkhead
acting as a doubler

2. Match drill stiffeners to bulkhead 7 and cleco into place as shown

NOTE: Consider edge distance when drilling holes



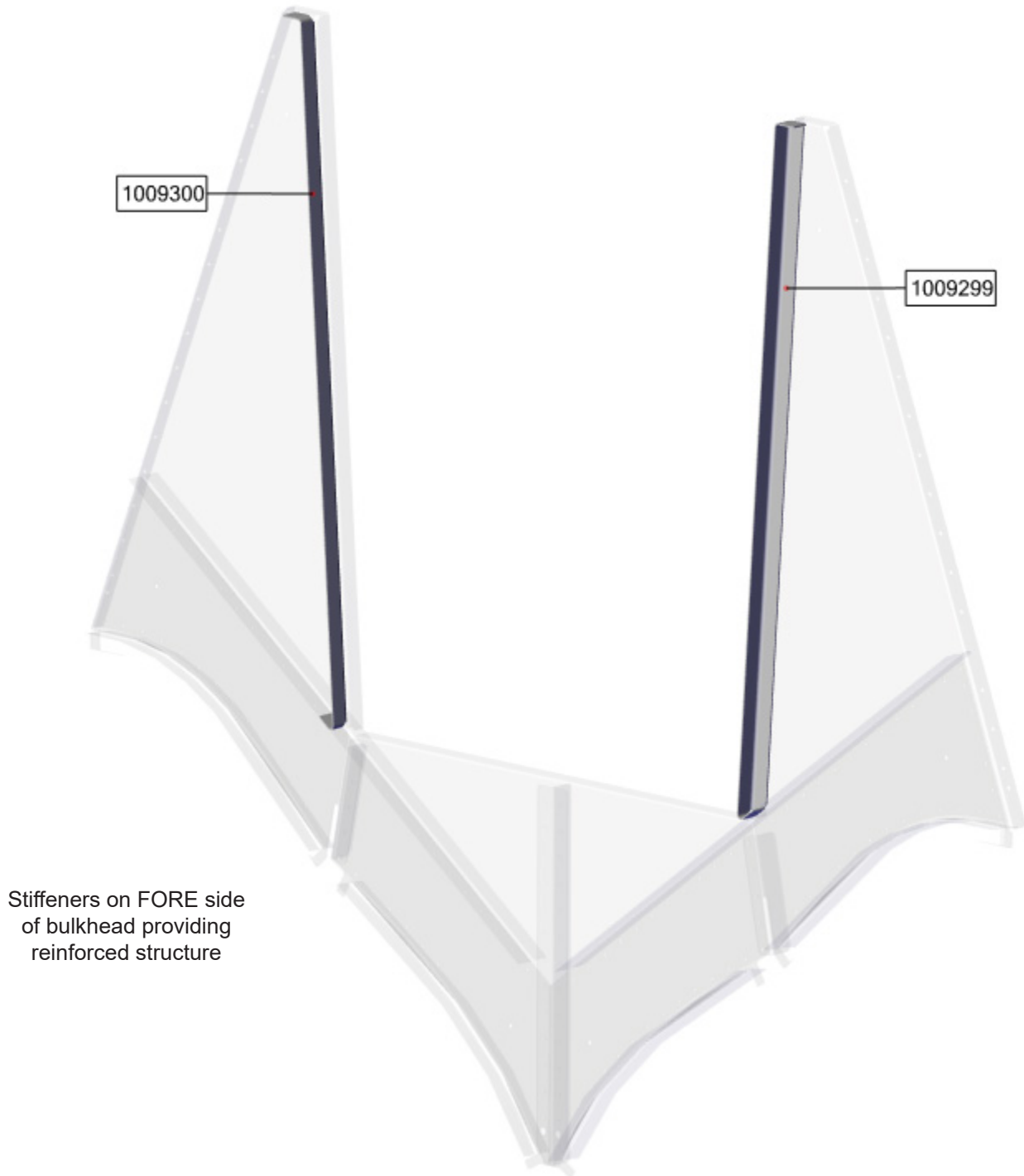
3. Rivet stiffeners in place as shown



METHOD B - BULKHEAD 7 - NO CRACKS PRESENT

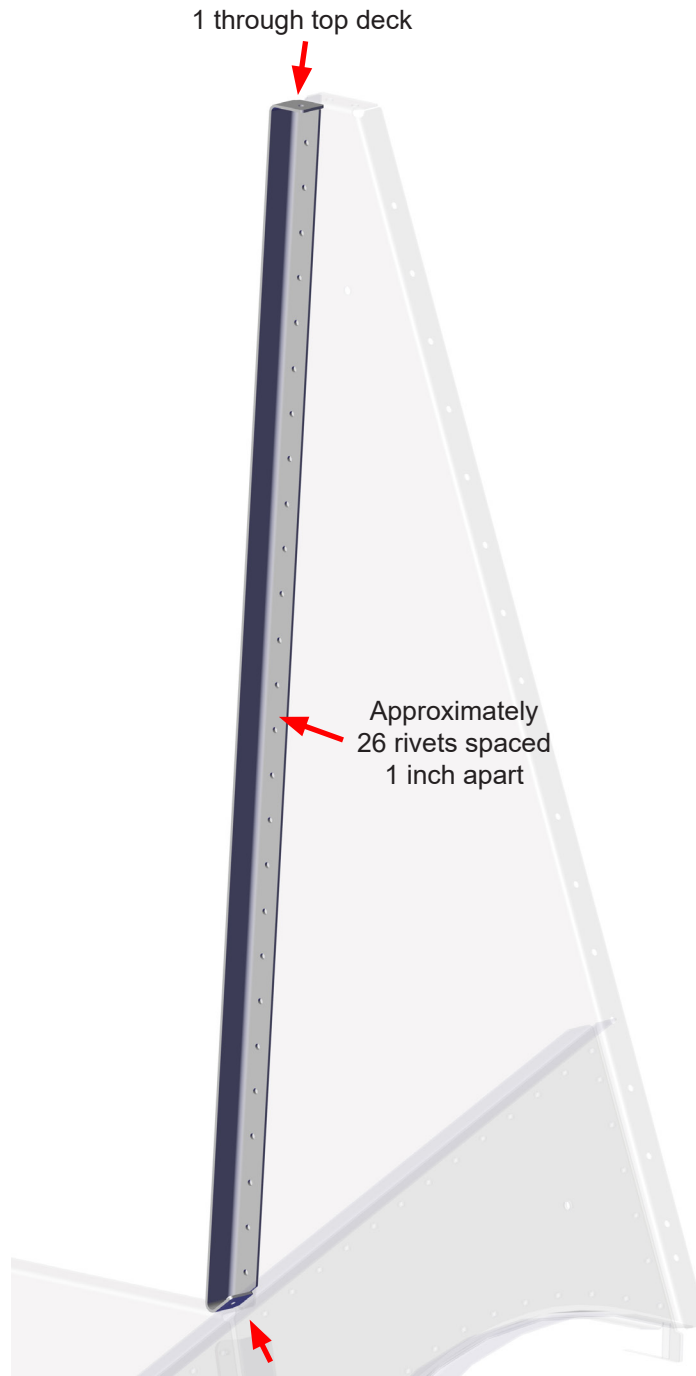
Perform method B if bulkhead 7 has no cracks

1. Place left and right stiffeners on FORE side of bulkhead as shown



2. Match drill stiffeners to bulkhead 7 and cleco into place

NOTE: Consider edge distance when drilling holes

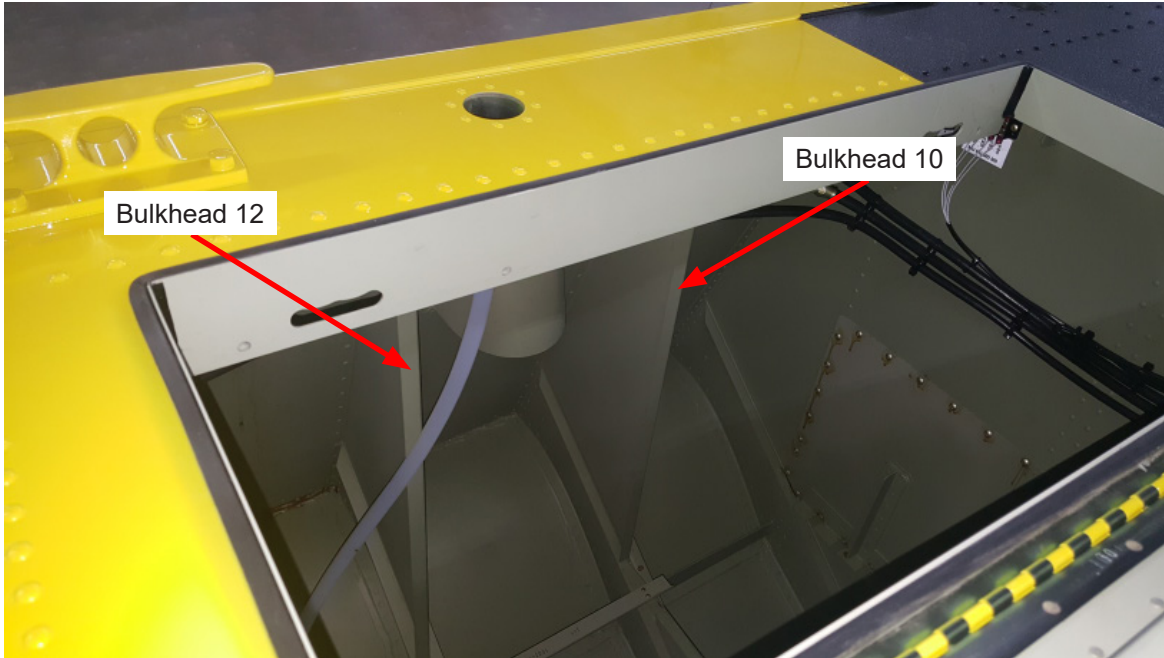


3. Rivet stiffeners in place as shown



WORK INSTRUCTION - BULKHEADS 10 AND 12

1. Gain access to the bulkhead 10 and 12 assembly by opening baggage cover



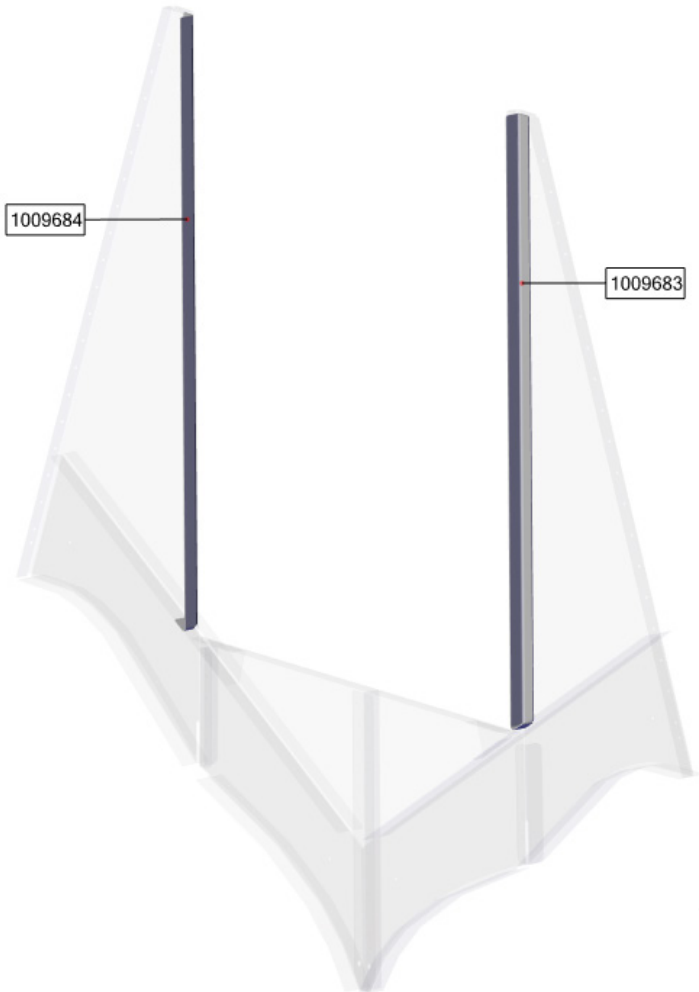
2. Inspect bulkhead 10 and 12 for cracking
3. If cracking is found in bulkhead 10 and/or 12, perform **method A** for repair. If no cracking is found in bulkhead 10 and/or 12, perform **method B** to prevent cracking

METHOD A - BULKHEADS 10 AND 12 - CRACKS PRESENT

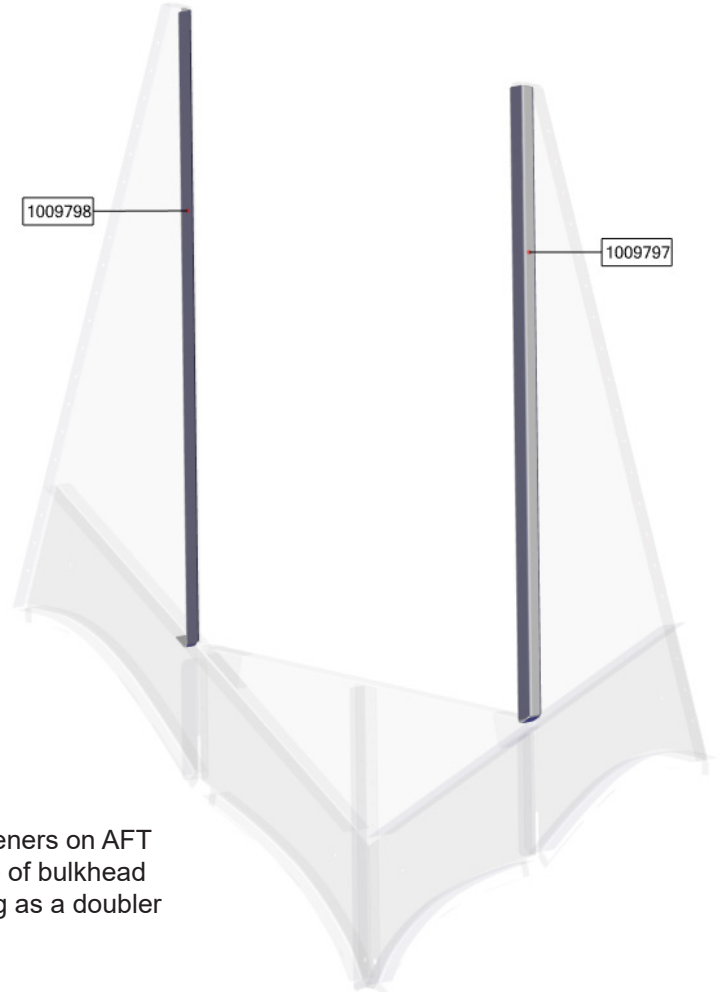
Perform method A if bulkhead 10 and/or 12 has cracks

1. Place left and right stiffeners on AFT side of bulkhead as shown

BULKHEAD 10



BULKHEAD 12

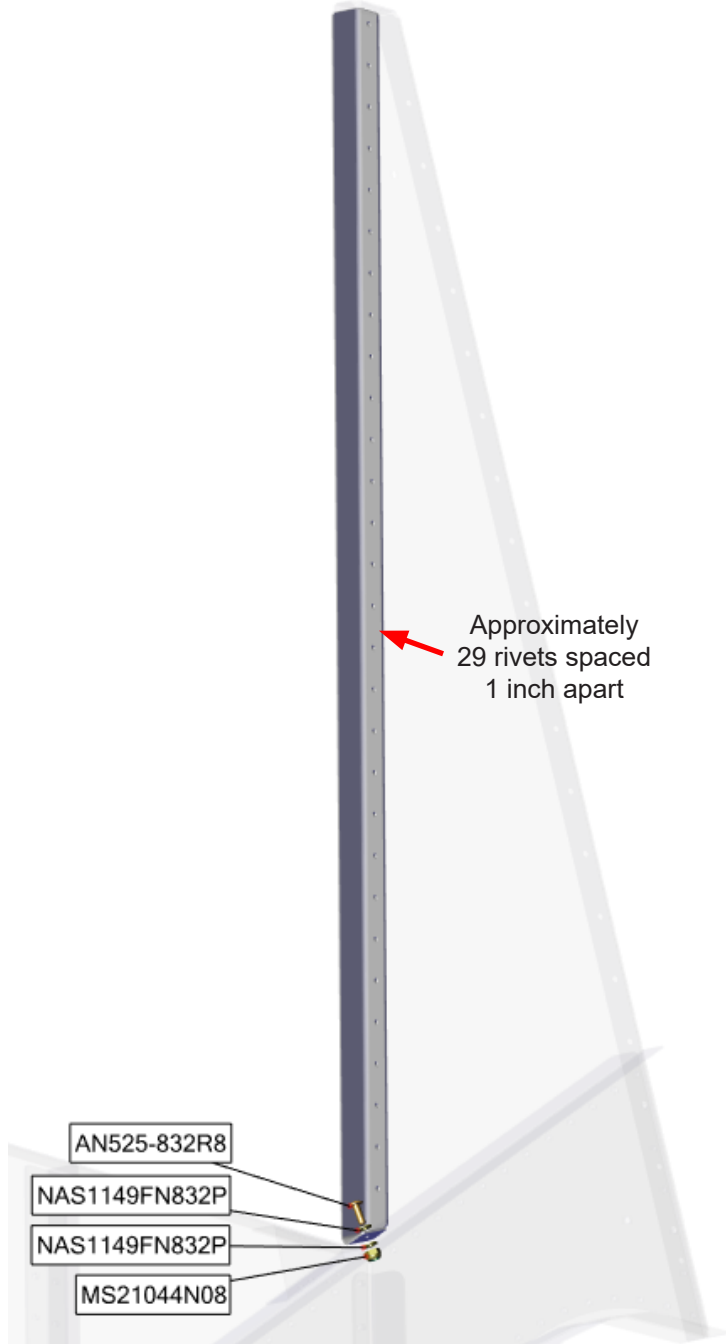


Stiffeners on AFT
side of bulkhead
acting as a doubler

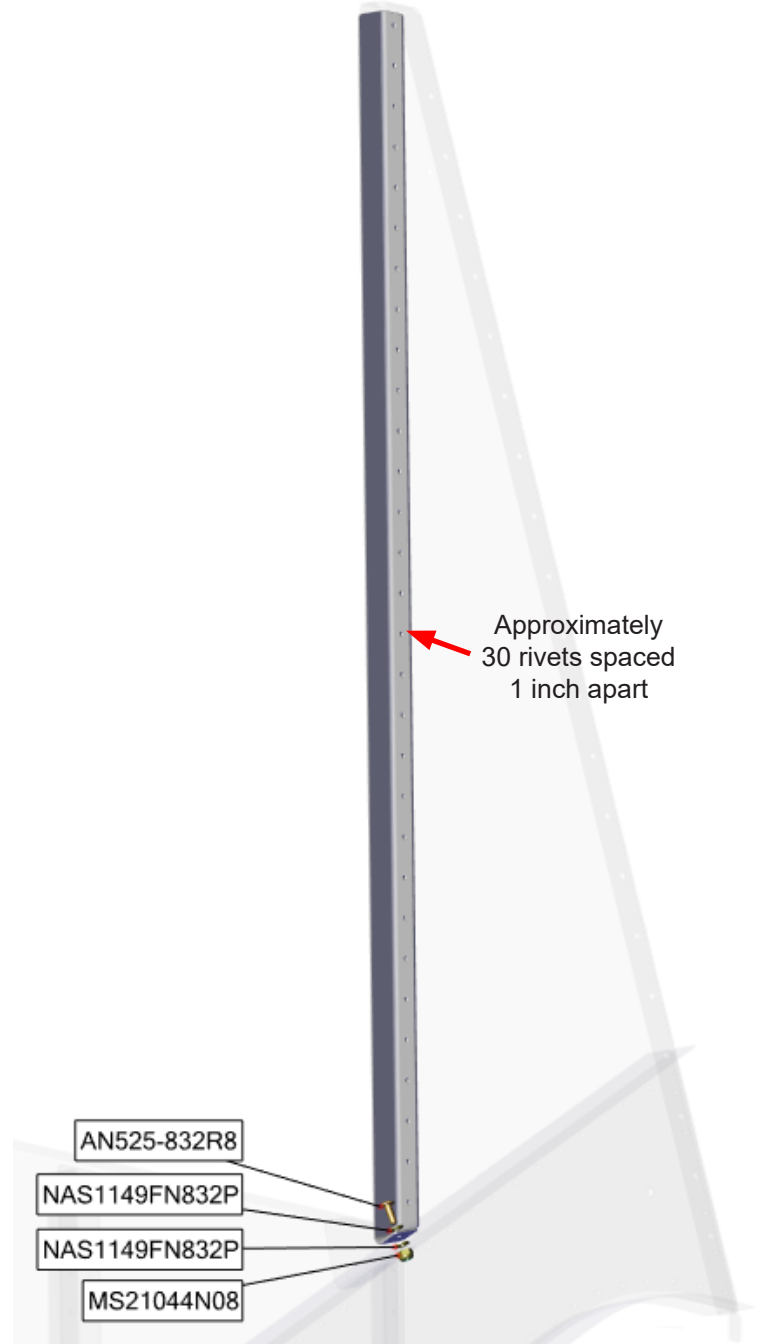
2. Match drill stiffeners to bulkhead 10 and/or 12 and cleco into place

NOTE: Consider edge distance when drilling holes

BULKHEAD 10



BULKHEAD 12



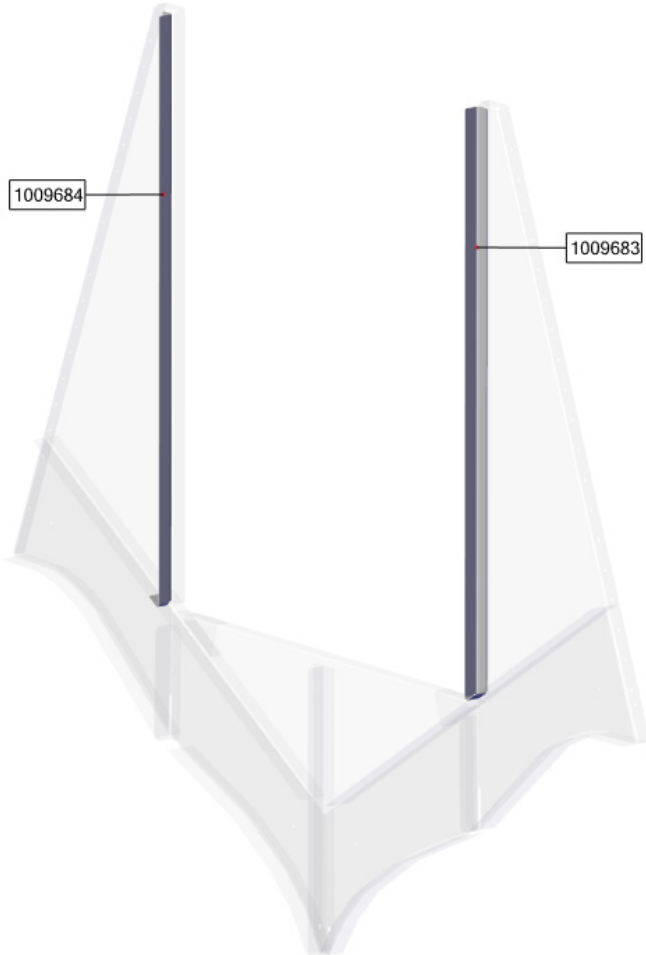
3. Rivet stiffeners in place and install hardware as shown

METHOD B - BULKHEADS 10 AND 12 - NO CRACKS PRESENT

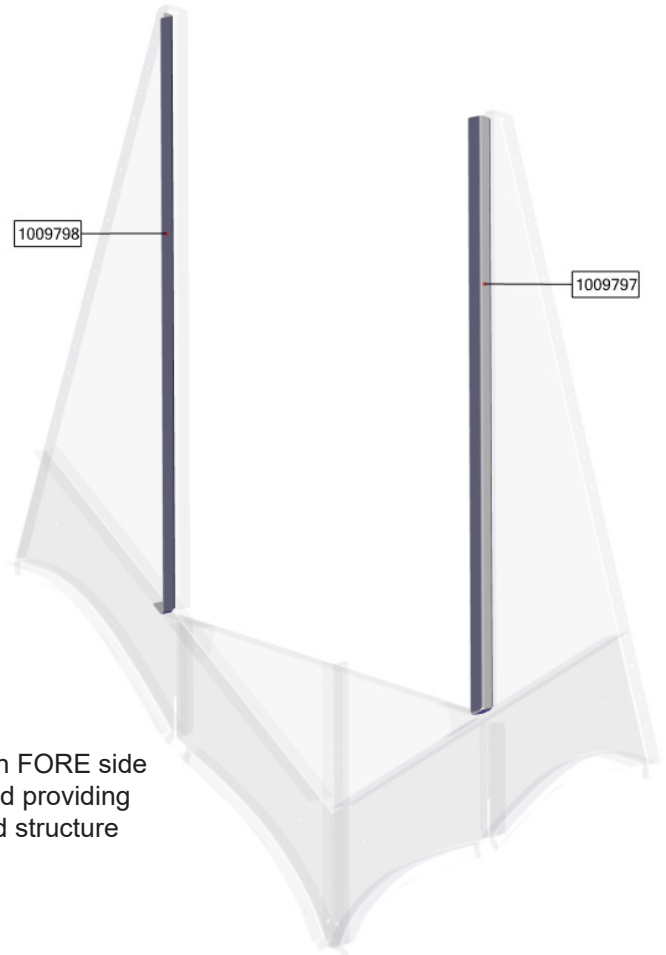
Perform method B if bulkhead 10 and/or 12 has no cracks

1. Place left and right stiffeners on FORE side of bulkhead as shown

BULKHEAD 10



BULKHEAD 12

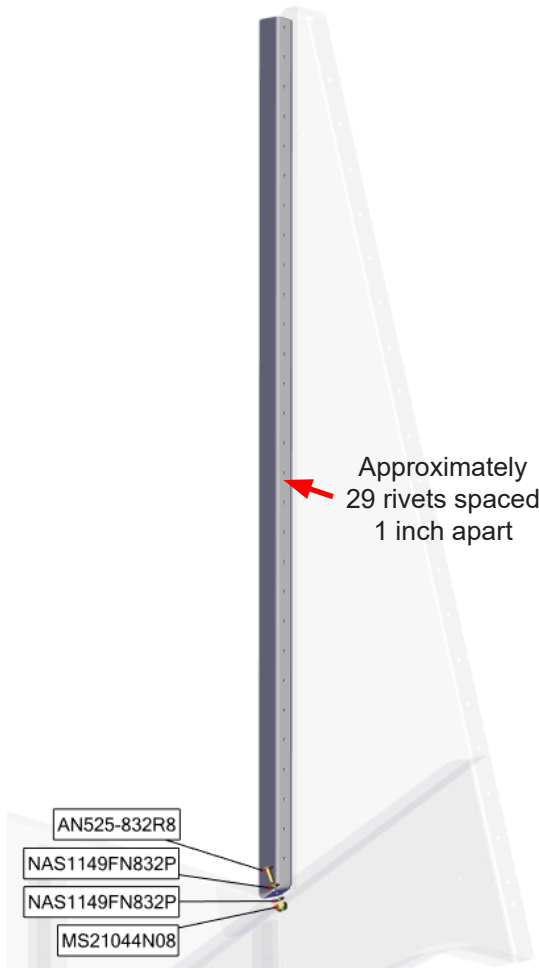


Stiffeners on FORE side
of bulkhead providing
reinforced structure

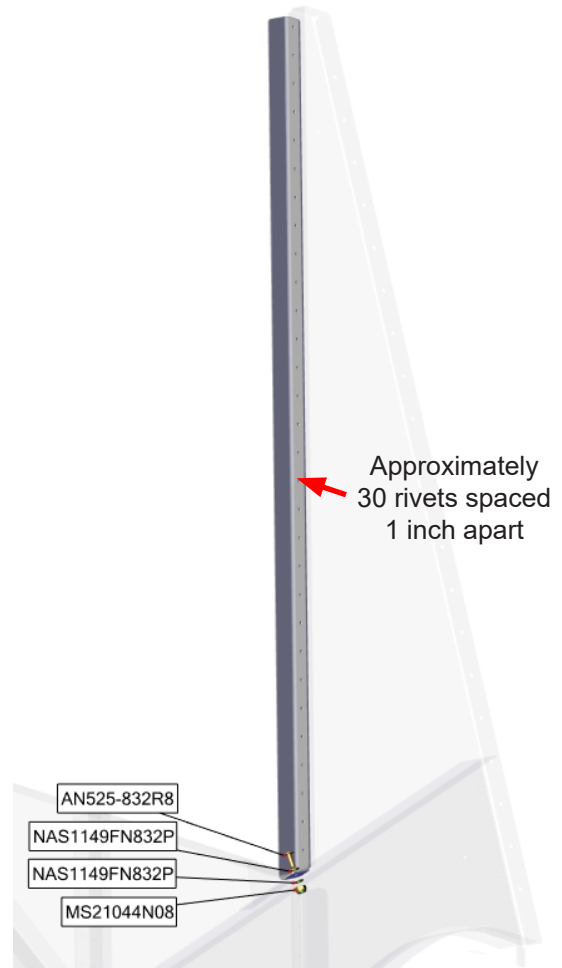
2. Match drill stiffeners to bulkhead 10 and/or 12 and cleco into place

NOTE: Consider edge distance when drilling holes

BULKHEAD 10



BULKHEAD 12



3. Rivet stiffeners in place and install hardware as shown





AIRCRAFT CLOSING AND RETURN TO SERVICE

1. Close and secure baggage compartments
2. Upon completion of inspection, enter information in Aircraft Logbook for completion of this Wipaire service letter
3. Visit www.wipaire.com and update your aircraft service letter/kit record using the link found on the Customer Support dropdown menu under "Update Service Letter & Kit Compliance Status"