



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

## SERVICE LETTER 173

### 10000 BULKHEAD 7, 10, AND 12 STIFFENER ADDITION

|                                 |                        |                              |                      |
|---------------------------------|------------------------|------------------------------|----------------------|
| <b>Aircraft Makes/Model(s):</b> | <b>Float Model(s):</b> | <b>Compliance:</b> Mandatory | <b>By:</b> RCG       |
| AT-802<br>AT-802A               | 10000A                 | <b>Part Number:</b> 1009163  | <b>Approved:</b> JRS |
|                                 |                        | <b>Date:</b> 9/18/2018       | <b>Revision:</b> 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](http://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



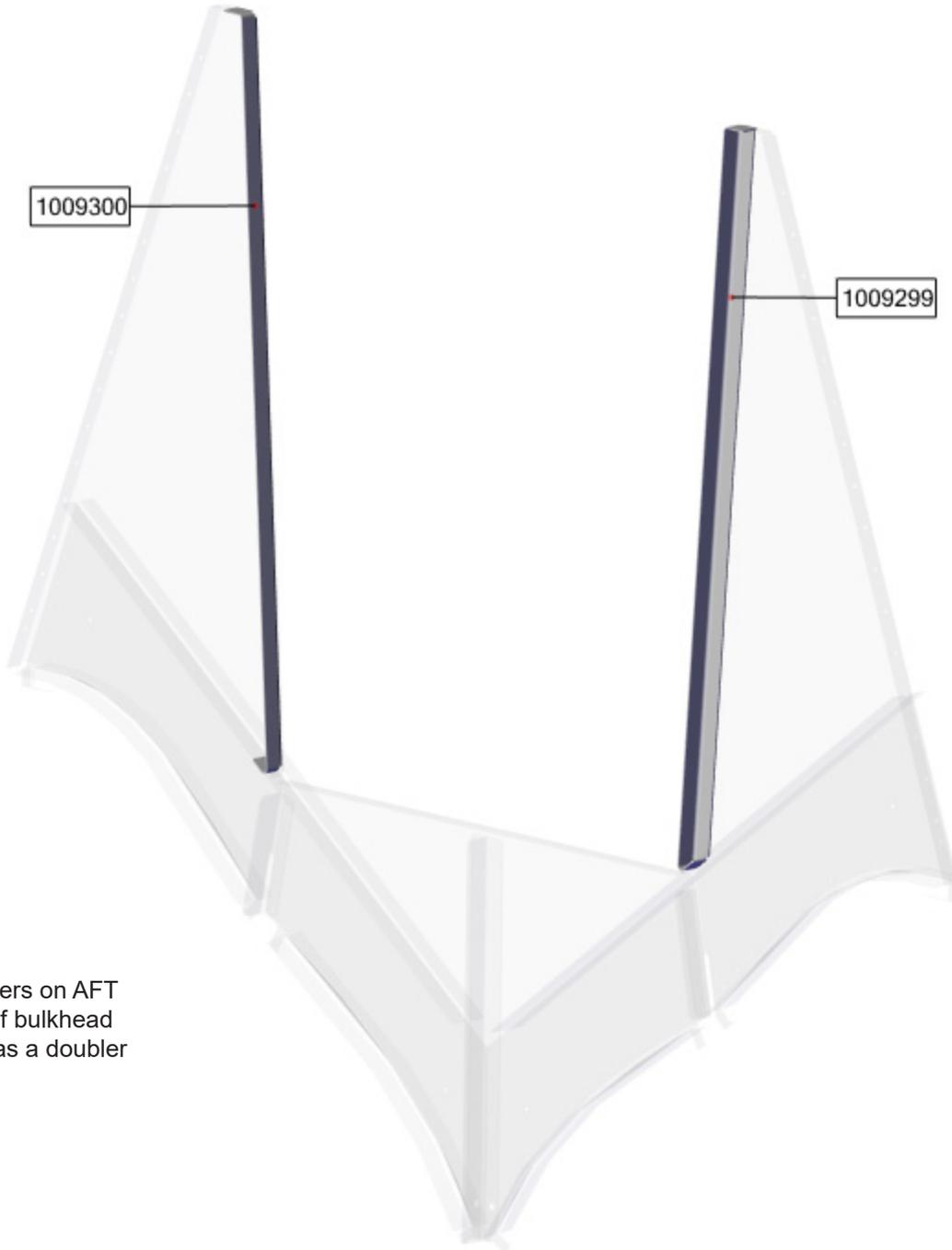
Example of cracking in bulkhead 7. The damage is not limited to the area shown. Thoroughly check all of bulkhead 7.

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

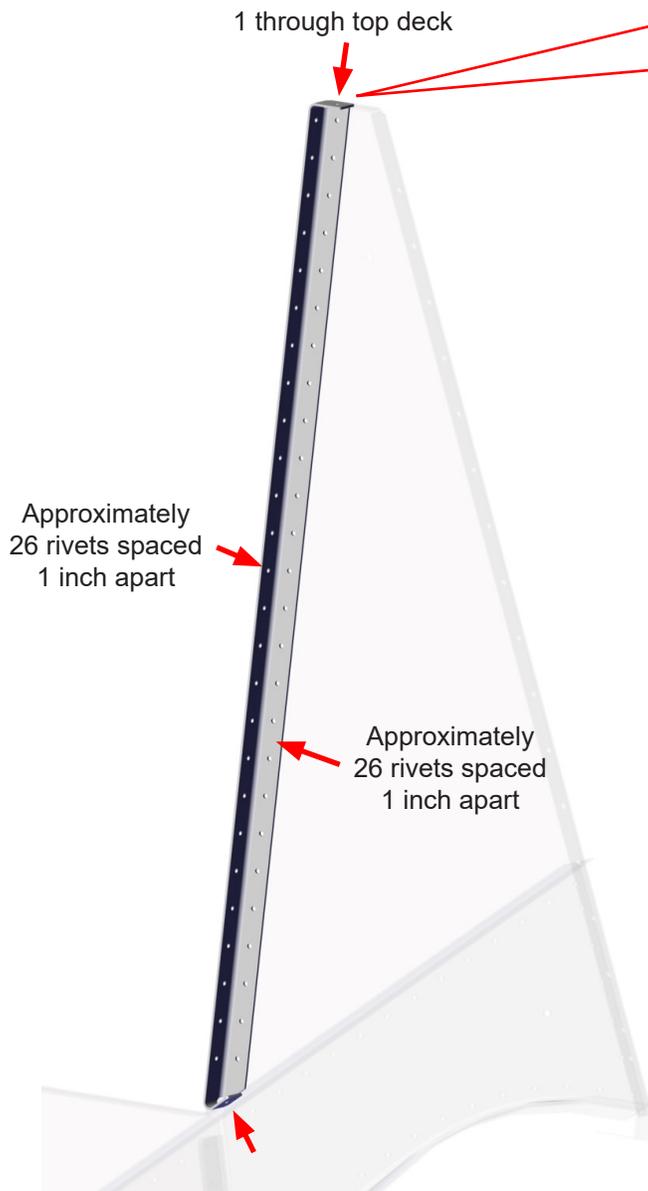
1. Place left and right stiffeners on AFT side of bulkhead as shown



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



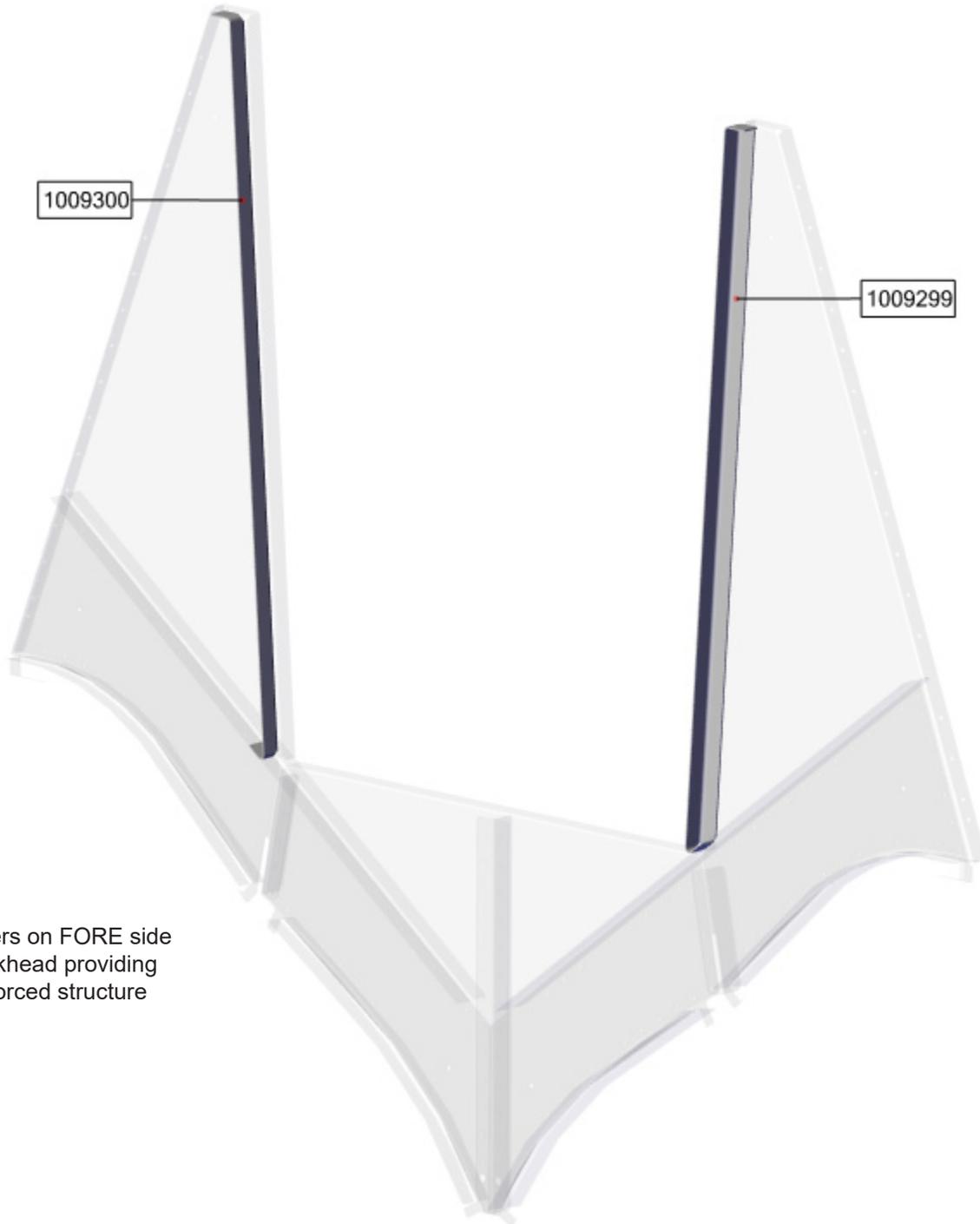
3. Rivet stiffeners in place as shown



## METHOD B - BULKHEAD 7 - NO CRACKS PRESENT

Perform method B if bulkhead 7 has no cracks

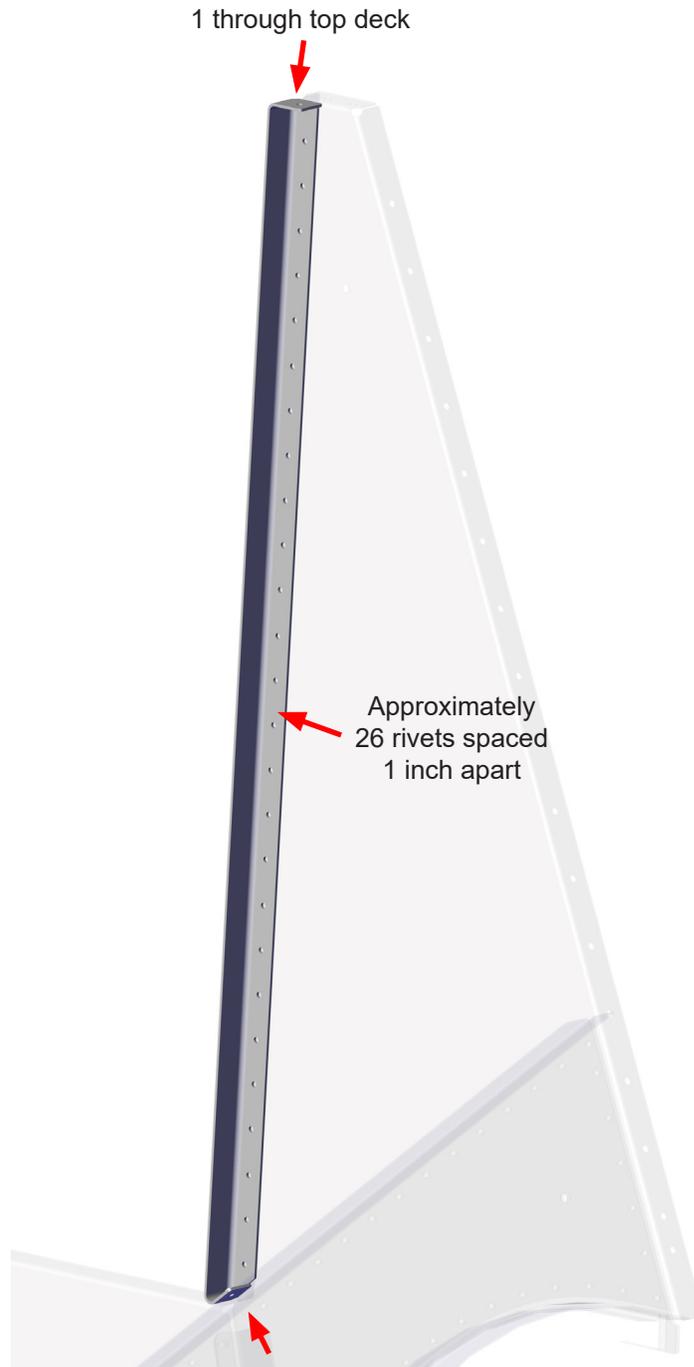
1. Place left and right stiffeners on FORE side of bulkhead as shown



Stiffeners on FORE side  
of bulkhead providing  
reinforced structure

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

**NOTE:** Consider edge distance when drilling holes

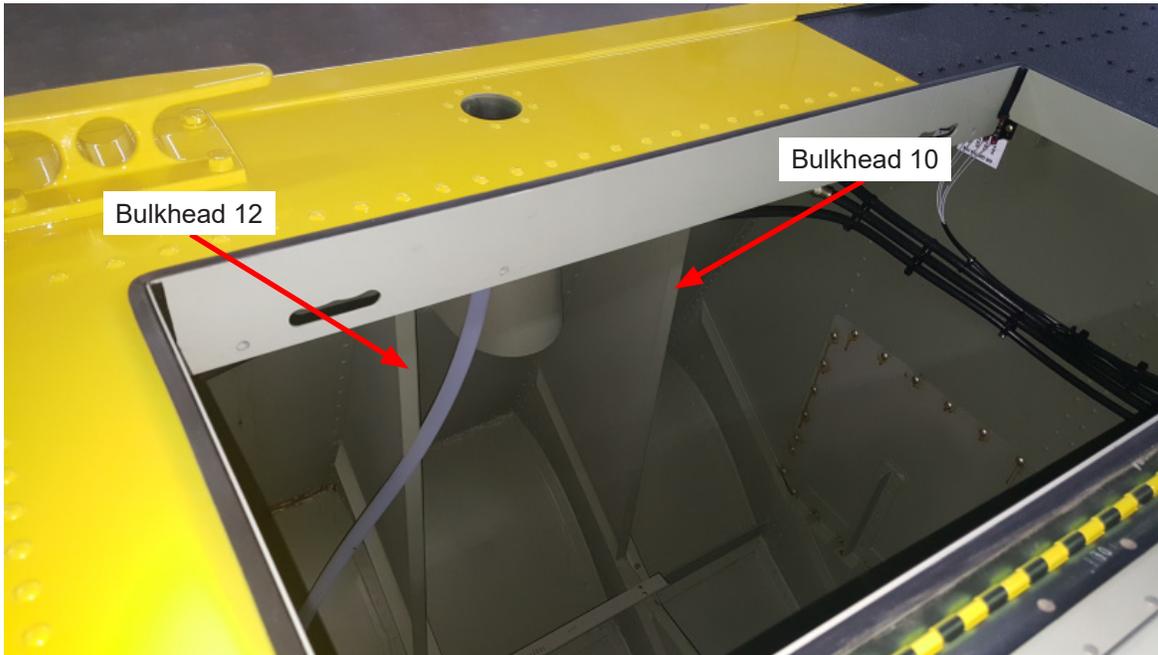


3. Rivet stiffeners in place as shown



## WORK INSTRUCTION - BULKHEADS 10 AND 12

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



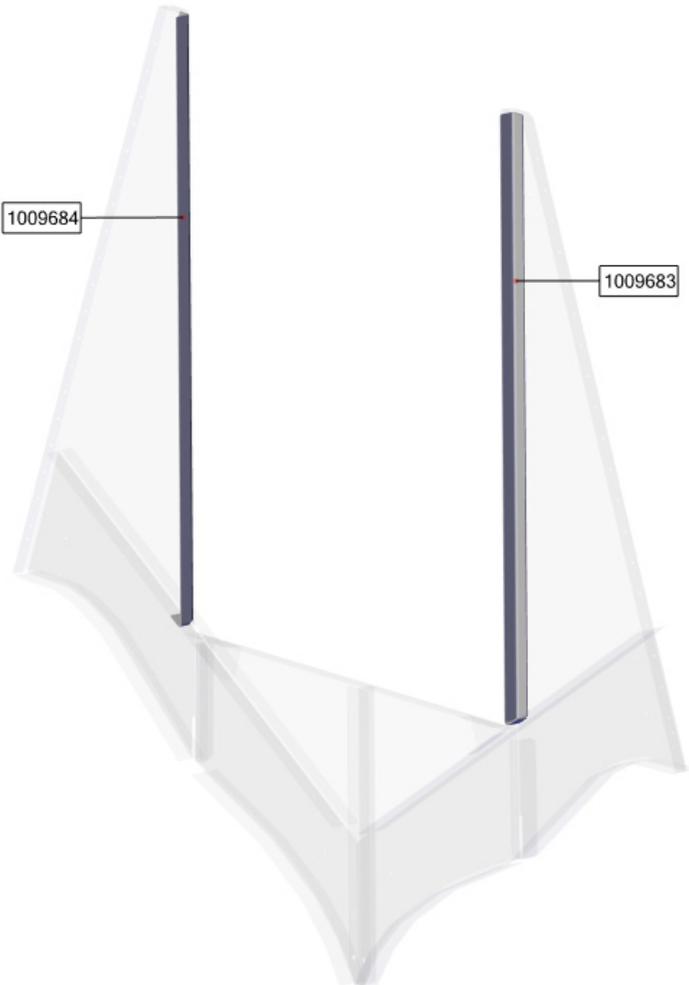
2. Inspect bulkhead 10 and 12 for cracking
3. If cracking is found in bulkhead 10 and/or 12, perform **method A** for repair. If no cracking is found in bulkhead 10 and/or 12, perform **method B** to prevent cracking

## METHOD A - BULKHEADS 10 AND 12 - CRACKS PRESENT

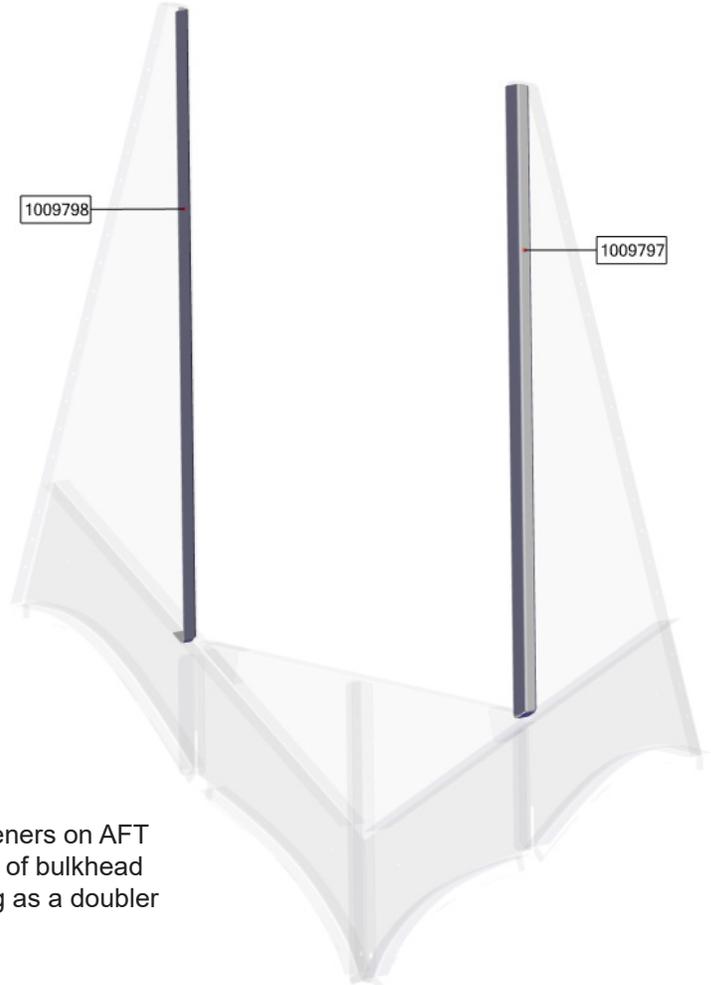
Perform method A if bulkhead 10 and/or 12 has cracks

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

**BULKHEAD 10**



**BULKHEAD 12**



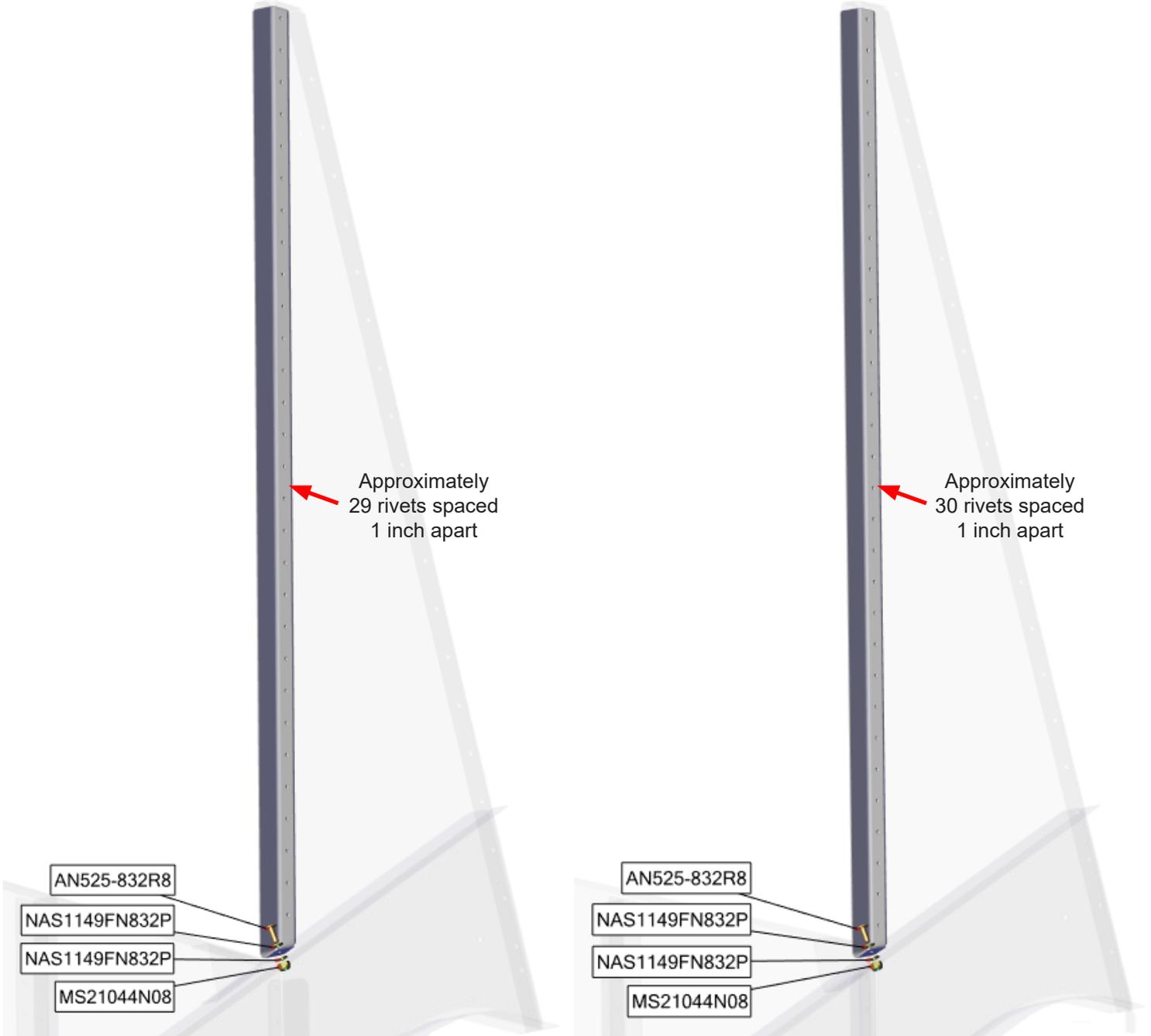
Stiffeners on AFT  
side of bulkhead  
acting as a doubler

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**



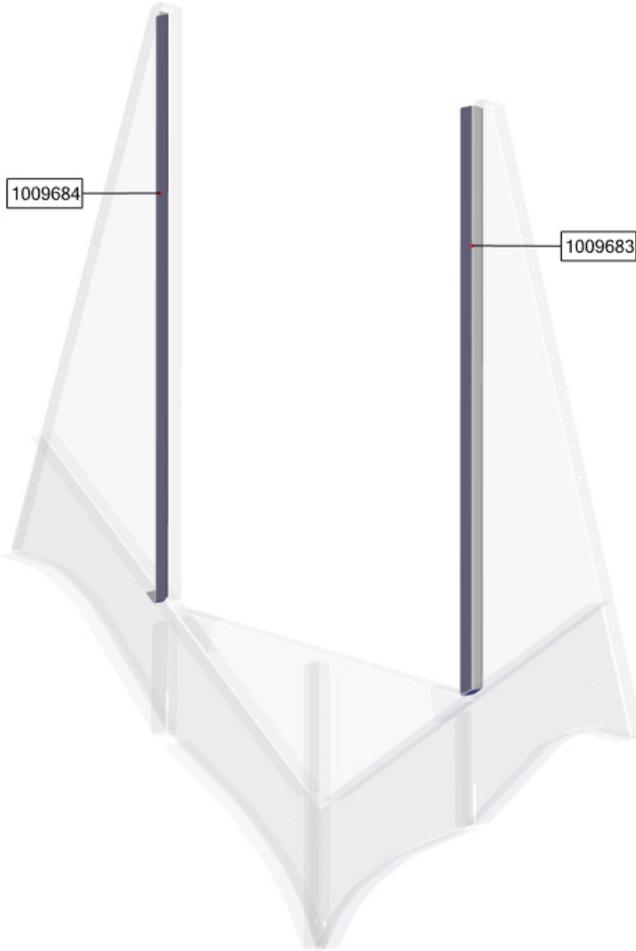
3. Rivet stiffeners in place and install hardware as shown

## METHOD B - BULKHEADS 10 AND 12 - NO CRACKS PRESENT

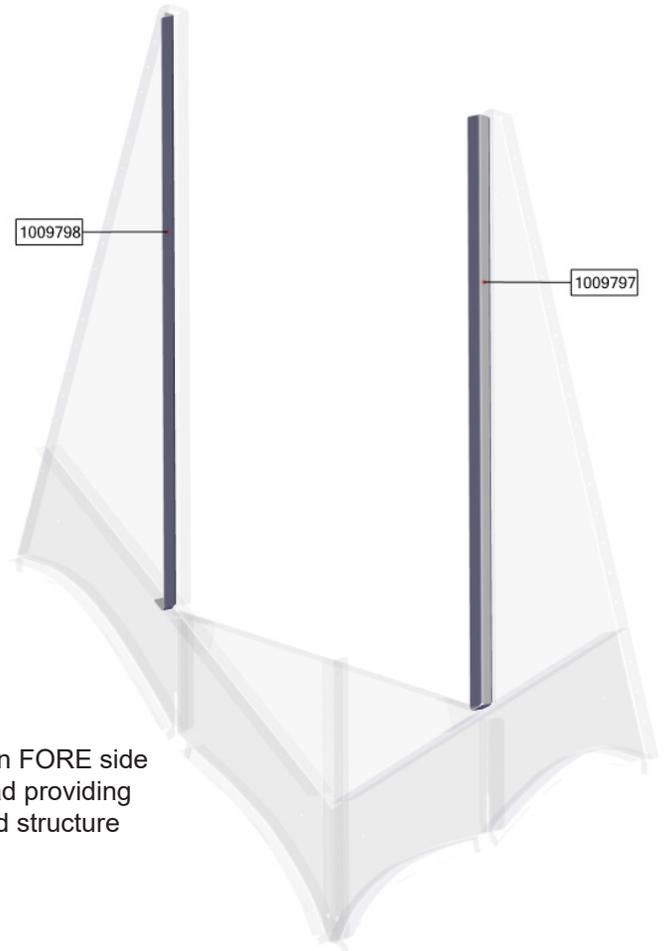
Perform method B if bulkhead 10 and/or 12 has no cracks

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

**BULKHEAD 10**



**BULKHEAD 12**

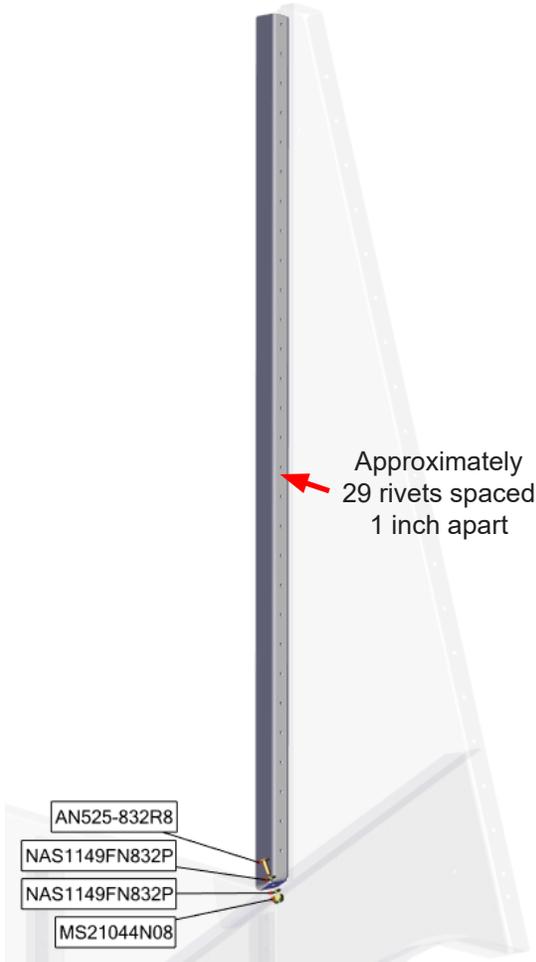


Stiffeners on FORE side  
of bulkhead providing  
reinforced structure

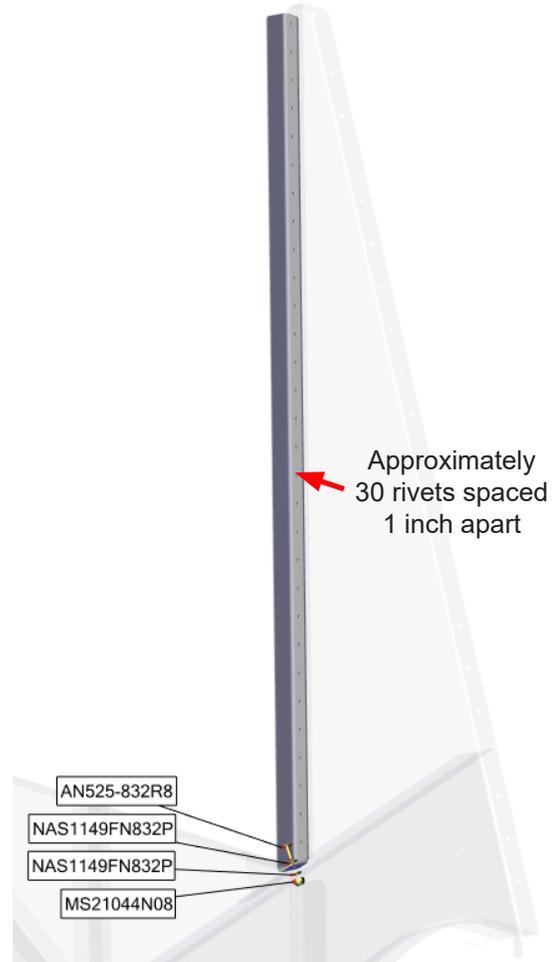
2. Match drill stiffeners to bulkhead 10 and/or 12 and cleco into place

**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](http://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"