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SERVICE LETTER 189

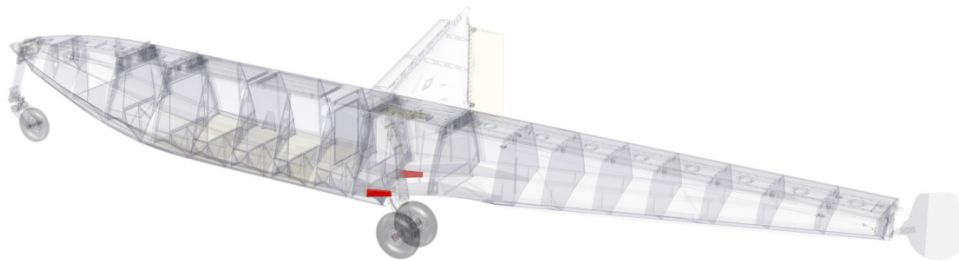
8750 AMPHIBIOUS CARRY THROUGH STRAP DOUBLER INSTALLATION

Aircraft Makes/Model(s):	Float Model(s):	Compliance: As required	By: RCG
Textron Aviation 208 and 208B	8750 Amphibious	Part Number: 1009949	Approved: SDW
		Date: 12/19/2018	Revision: A

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	12/19/2018

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



EFFECTIVITY:

This service letter applies to Textron Aviation 208 and 208B with Wipline 8750 Amphibious floats installed per STC SA1311GL.

COMPLIANCE:

As required. This is a repair option to replacing a carry through strap that has corrosion at the trunnion.

NOTE: If all corrosion will not be removed using a 1 1/8" reamer, this service letter should not be complied with and the carry through strap should be replaced.

BACKGROUND:

Floats operated in salty or brackish water are susceptible to corrosion around the trunnion hole on the carry through strap.

COMPLIANCE METHOD:

Install up to (4) doublers on the carry through straps as required.

APPROXIMATE SHOP HOURS:

Installing a pair of doublers on (1) float will take approximately 8 hours.

WARRANTY INFORMATION:

This service letter does not include warranty for labor.

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.

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www.wipaire.com

ITEMS PROVIDED IN SERVICE KIT 1009949-01 (1 FLOAT)

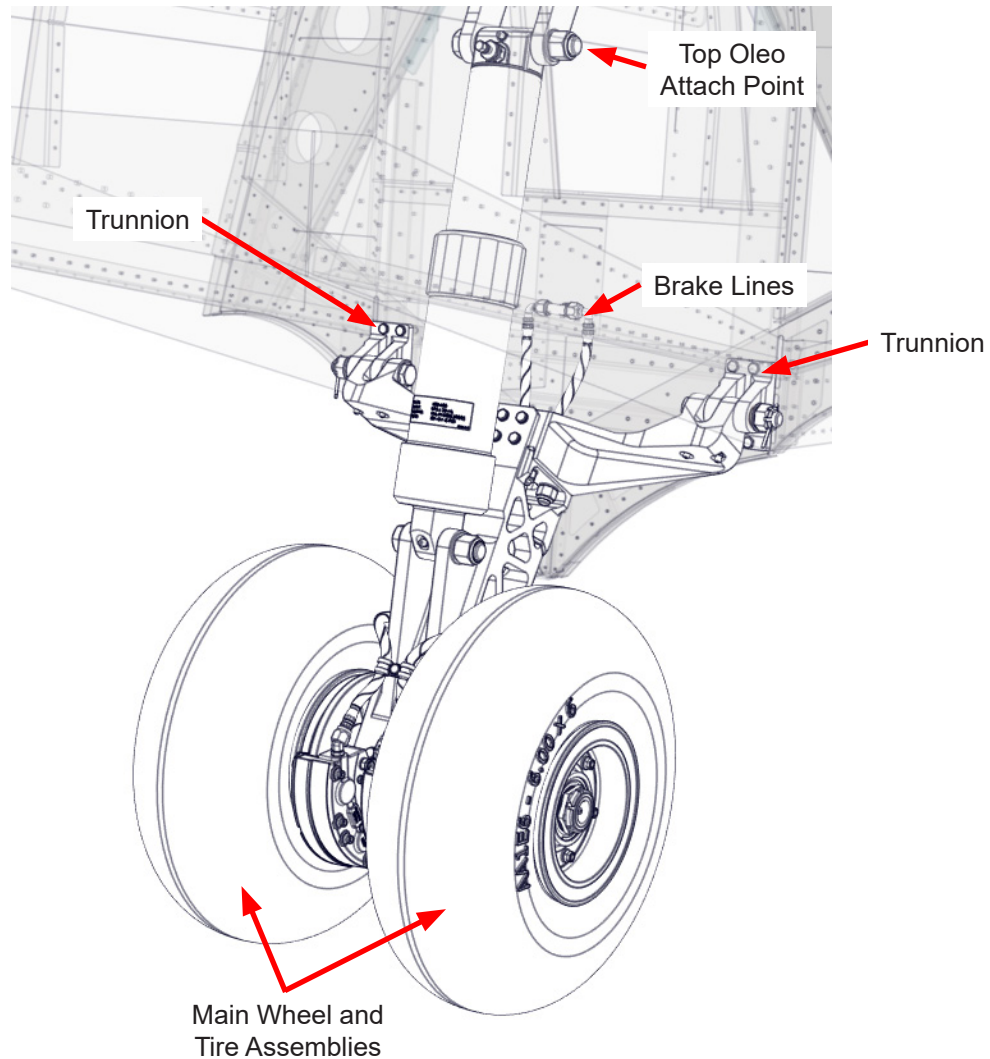
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1009310	DOUBLER, CARRY THROUGH STRAP, RIGHT
2	1	1009311	DOUBLER, CARRY THROUGH STRAP, LEFT
3	2	1001886	BUSHING

WORK INSTRUCTION

1. Safely jack or hoist aircraft so all wheels are off the ground when the main gear is extended.
2. Pull gear select, pump 1, and pump 2 circuit breakers.
3. Pull aircraft parking brake lever.

NOTE: Do not push on brake pedal while pulling the aircraft parking brake lever.

4. Disconnect brake lines at bulkhead 10 and cap each end of hydraulic bulkhead tee fitting and plug each hydraulic brake line.
5. Remove main wheel and tire assemblies.
6. Remove cotter pin, nut, and washer from each AN bolt at each trunnion attach point.
7. Remove cotter pin, nut, washers, and NAS bolt at the top oleo attach point.

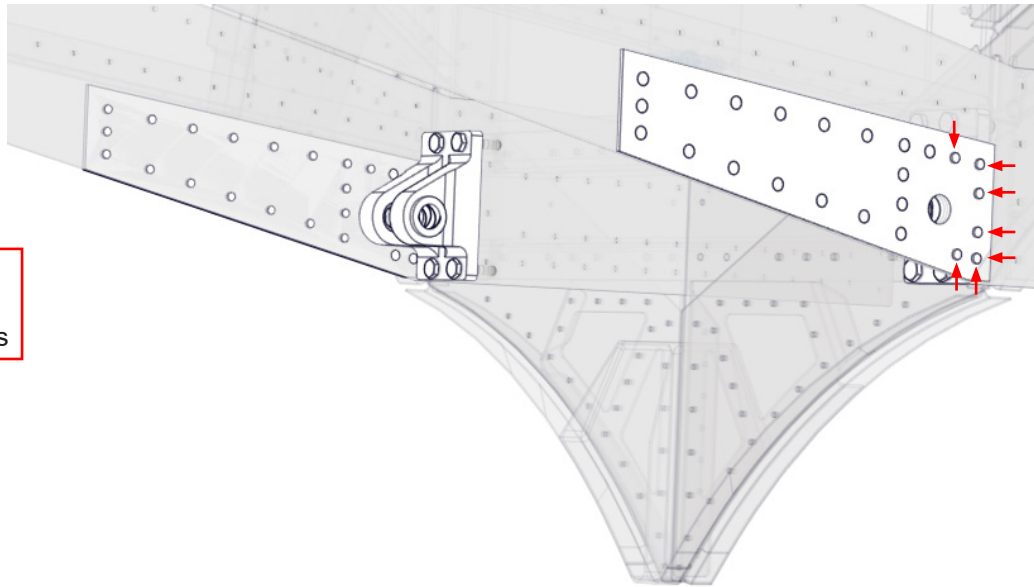


WARNING!

**The main gear assembly will detach from the float after completing the next step.
Support the assembly appropriately prior to removing the attaching hardware.**

8. Remove each AN bolt at the trunnion attach point and remove main gear drag link assembly from float.
9. Using a slow speed drill and a 1 1/8" reamer with a 5/8" guide, ream out the bolt hole using the trunnion as a guide.
10. Remove each trunnion and remove the outboard 1003729 hat bushing from each trunnion.
11. Install 1001886 bushing where the hat bushings were removed from. Verify installed bushings are flush with the inside of trunnion.
12. Temporarily install each trunnion.
13. Fit each doubler to the outboard side of each carry through strap. Make sure it sits flush with the carry through strap and the 5/8" hole aligns with the trunnion.
14. Temporarily install AN trunnion bolt (for alignment).
15. Secure the doubler to the carry through strap and back drill the (18) forward rivet holes.
16. Fully seal the back side of the doubler with PR 1422-B2 or equivalent.
17. Wet install the doubler to the carry through strap using #5 rivets.
18. Remove each trunnion and backdrill the remaining (6) rivet holes (indicated by arrows in image below).
19. Counter sink the (6) rivet holes on the inboard side of each carry through strap and install the remaining (6 rivets) flush with each carry through strap.

NOTE: Counter sink rivets indicated with an arrow as well as the same rivets on the opposing side.



See last page
for completed
installation photos

NOTE: During reassembly, replace any hardware that shows signs of corrosion.

20. Reinstall each trunnion, sealing any part of the trunnion that contacts the carry through strap, and seal all edges around trunnion with PR 1422-B2 or equivalent.
21. Apply a light coating of grease or equivalent to each trunnion attach point.
22. Install main gear assembly without wheels at each trunnion attach point using (2) AN bolts.
23. Apply a light coating of grease or equivalent to the bolt and pivot points at the oleo attach point.
24. Connect the oleo assembly to the main gear assembly using NAS bolt, washers, nut, and new cotter pin.
25. Install nuts, washers, and new cotter pins on each AN bolt at each trunnion attach point.

26. Apply corrosion inhibitor on nuts and bolts where needed.
27. Reinstall main wheel and tire assemblies.
28. Reconnect brake lines at bulkhead 10.
29. Release aircraft parking brake lever.
30. Bleed the brake system.
31. Push in gear select, pump 1, and pump 2 circuit breakers.
32. Fully cycle the hydraulic gear system up and down to ensure correct operation.
33. Remove aircraft jacks.
34. Upon completion of inspection, enter information in Aircraft Logbook for completion of this Wipaire service letter.
35. 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".

