SERVICE LETTER NUMBER 163			
TITLE: 8750 terminal strip corrosion			
BY: B. GLASS	AIRCRAFT MAKE/MODEL(S):	FLOAT MODEL(S):	NOTE(S):
APP: J. SORTOR			
DATE: 11/10/2015	CESSNA 208 AND 208B	8750	COMPLIANCE MANDATORY S/L
REV: A			**P/N 1008656** **ECO 24236**

FAA APPROVAL HAS BEEN OBTAINED FOR TECHNICAL DATA IN THIS PUBLICATION THAT AFFECTS STC OR TSO DESIGN COMPLIANCE

EFFECTIVITY:

This service letter applies to:
WIPAIRE MODEL 8750 AMPHIBIAN FLOAT ON THE CESSNA MODEL 208/208B CARAVAN
STC STCSA1311GL S/N: 87124 and prior

COMPLIANCE:

Compliance with this service letter is mandatory.

BACKGROUND:

Corrosion is being found behind the terminal strip that is located in the float which has been found to be associated with gear indication errors.

COMPLIANCE METHOD:

Perform tasks in accordance with the instructions in the Technical Data section of this service letter.

APPROX. SHOP HOURS:

Stage 1: Defined as no corrosion present but precautionary measures will be taken: 30 minutes per float.

Stage 2: Defined as mild corrosion but still meets the corrosion limits as defined in SERVICE MANUAL and INSTRUCTIONS FOR CONTINUED AIRWORTHINESS for the WIPAIRE MODEL 8750 AMPHIBIOUS/SEAPLANE FLOAT ON THE CESSNA MODEL 208/208B CARAVAN Wipaire document number 1005723 -and- Structural Repair Manual for Wipline Aluminum Floats Wipaire document number 1008274; mild repair will be needed to prevent further corrosion: 1.5 hours per float.

Stage 3: Defined as corrosion present that exceeds the limits as defined in SERVICE MANUAL and INSTRUCTIONS FOR CONTINUED AIRWORTHINESS for the WIPAIRE MODEL 8750 AMPHIBIOUS/SEAPLANE FLOAT ON THE CESSNA MODEL 208/208B CARAVAN Wipaire document number 1005723 -and- Structural Repair Manual for Wipline Aluminum Floats Wipaire document number 1008274; patch repair will need to be performed: 6 hours per float.

WARRANTY INFORMATION:

This service letter does not include any warranty labor or parts.

TECHNICAL DATA:

Copies of this service letter, service kit, float manual, repair drawing, and float parts manual are available on www.wipaire.com.

See procedures below for details on inspecting and repairing bulkhead corrosion.

NOTES:

1. Upon completion of inspection, enter information in float logbook for completion of Wipaire Service Letter 163.

2. Once service letter is accomplished, please 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”.

SERVICE PROCEDURES

Note: Reference the following documents for instruction pertaining to inspection and repair when completing the following tasks:

- **AC43.13-1B or later FAA approved revision guidelines**
- **Structural Repair Manual for Wipline Aluminum Floats Wipaire part number 1008274**

1. Prepare floats for inspection.
2. Open aft baggage compartment hatch and locate terminal strip.
3. Remove terminal strip and inspect bulkhead that terminal strip was mounted to.
4. Depending on outcome of inspection, repair bulkhead as instructed below.

Stage 1:

Defined as no corrosion present but precautionary measures will be taken

1. Apply Dow Corning DC4 Electrical Insulating Compound or equivalent to the side of the terminal mounting strip that contacts the bulkhead.
2. Re-install terminal strip to bulkhead using (1) nylon washer (McMaster-Carr P/N 90295A400) or equivalent on each screw (2 total washers), allowing for space between the bulkhead and the terminal strip.

Stage 2:

Defined as mild corrosion but still meets the corrosion limits as defined in Wipaire document numbers 1005723 and 1008274; mild repair will be needed to prevent further corrosion

1. Sand corroded surface so no corroded material is present.
2. Prime sanded area per Mil Spec MIL-PFR-23377 Type 1, class C or equivalent.
3. Paint local areas affected by the removal of the corroded material.
4. Apply Dow Corning DC4 Electrical Insulating Compound or equivalent to the side of the terminal mounting strip that contacts the bulkhead.
5. Re-install terminal strip to bulkhead using (1) nylon washer (McMaster-Carr P/N 90295A400) or equivalent on each screw (2 total washers), allowing for space between the bulkhead and the terminal strip.

Stage 3:

Defined as corrosion present that exceeds the limits as defined in Wipaire document numbers 1005723 and 1008274; patch repair will need to be performed

1. Remove all material affected by corrosion.
2. Prime area per Mil Spec MIL-PFR-23377 Type 1, class C or equivalent.
3. Paint local areas affected by removal of corroded material.
4. Remove 24 screws from access panel to gain access to the aft side of the baggage compartment bulkhead.
5. Cut adequate size doubler to fit repaired location per Structural Repair Manual for Wipline Aluminum Wipaire document number 1008274 -and- AC43.13-1B or later FAA approved revision guidelines.
6. Prepare doubler by priming per step 2 of this instruction and paint/seal prior to installation.
7. Install doubler on the aft side of the baggage compartment bulkead, following rivet spacing procedures per AC43.13-1B.
8. Reinstall the access panel.
9. Re-drill terminal strip mounting holes if they were removed as part of corroded material
    - Mounting holes must both be on the same surface so terminal strip is mounted flush. One hole cannot be on the new doubler piece and the other on the original skin.
10. Apply Dow Corning DC4 Electrical Insulating Compound or equivalent to the side of the terminal strip that contacts the bulkhead.
11. Re-install terminal strip to bulkhead using (1) nylon washer (McMaster-Carr P/N 90295A400) or equivalent on each screw (2 total washers), allowing for space between the bulkhead and the terminal strip.

END