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## SERVICE LETTER 272

### 2 AMP CIRCUIT BREAKER REPLACEMENT ON FIRE BOSS

<b>Aircraft Makes/Model(s):</b>	<b>Float Model(s):</b>	<b>Compliance:</b> Optional	<b>By:</b> MAS
Air Tractor AT-802A & AT-802	Wipaire Fire Boss Conversion 10000A Floats & Landplane	<b>Part Number:</b> 1012836	<b>Approved:</b> DRH
		<b>Date:</b> 4/29/2025	<b>Revision:</b> B

#### LOG OF REVISIONS

Revision	Description	Date
A	Initial release	4/25/2025
B	Removed Service Kit 1012836-01, order part 7277-2-2 as needed. Updated step 5 in Work Instructions.	4/29/2025

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

#### EFFECTIVITY:

This service letter applies to Air Tractor models AT-802A & AT-802 with Wipline 10000 amphibian floats and Fire Boss converted landplanes installed per STC SA01795CH.

#### COMPLIANCE:

Compliance is optional.

#### BACKGROUND:

Fire Boss converted AT-802 and AT-802A aircraft per STC SA01795CH have implemented a 1 amp circuit breaker to protect the water scoop system. Components in the system include the auto/manual fill relay, the fill level display, fill level sensor, and the hydraulic pump solenoid valve. When all components are active, in a scoop deployment, the entire system will require a current load of 1.2-1.4 amps. An extended load application period may cause the 1 amp circuit breaker to pop resulting in loss of scoop control.

#### COMPLIANCE METHOD:

Replace 1 amp scoop system breaker with a 2 amp circuit breaker as shown in the Work Instructions section of this service letter.

#### APPROXIMATE SHOP HOURS:

Performing the work instructions will take approximately 1 labor hour per aircraft to complete.

#### WARRANTY INFORMATION:

This service letter does not include warranty for labor or 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).

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**ORDER INDIVIDUAL ITEM AS NEEDED**

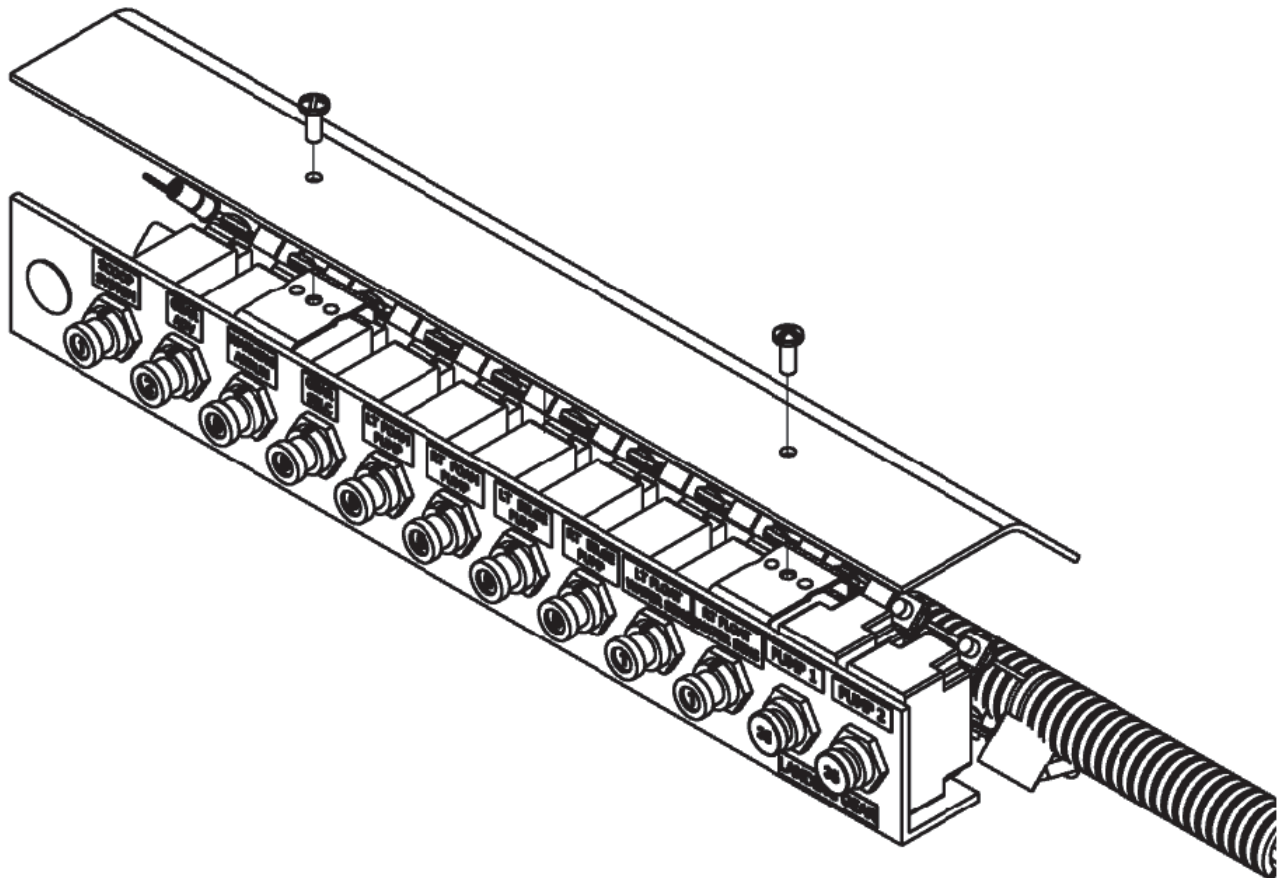
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7277-2-2	KLIXON CIRCUIT BREAKER, 2 AMP

**REQUIRED TOOLS AND CONSUMABLES**

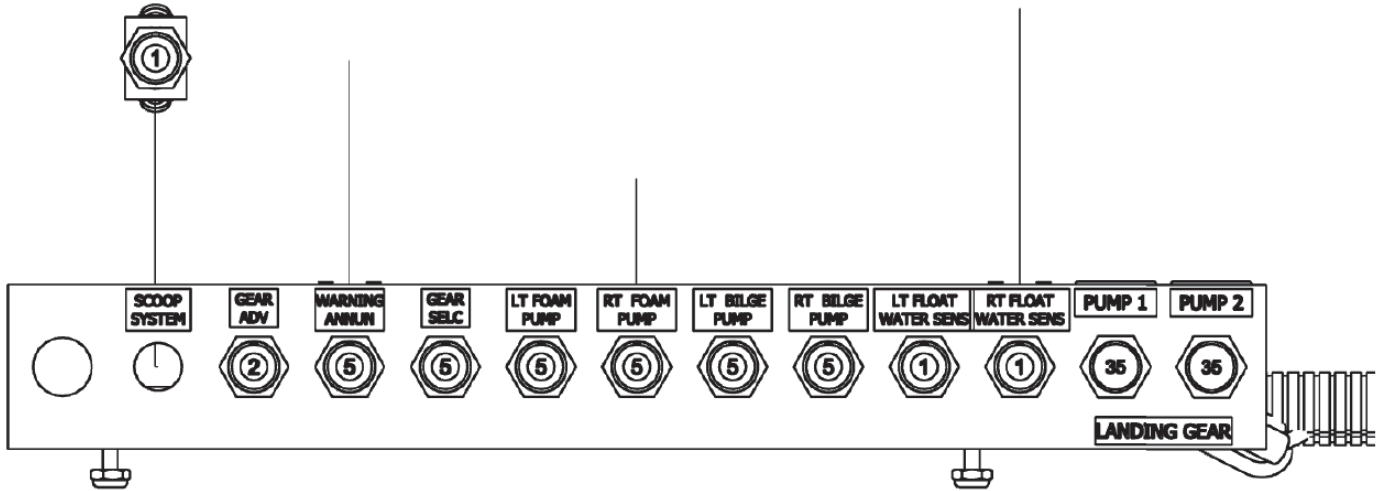
ITEM	DESCRIPTION
1	PHILLIPS HEAD SCREWDRIVER
2	FLAT HEAD SCREWDRIVER
3	1/2 INCH WRENCH

## Work Instructions

1. Position and prepare aircraft for safe maintenance.
2. Disconnect aircraft battery.
3. Locate the auxilliary circuit breaker panel and remove the top cover by removing the two Phillips head screws.



4. Locate the 1 amp scoop system breaker and remove it by undoing the 1/2 inch nut on the front plate, and the two flat head screws on the back side, one for the wire ring terminal, the other on the ground rail.



5. Install the 2 amp circuit breaker, part number 7277-2-2, by performing the previous steps in reverse.

## Aircraft Closing & Return to Service

1. Verify full and correct functionality of scoop systems and mechanisms before returning aircraft to service.
2. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 272.