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SERVICE LETTER 246

E-Dump System, Water Rudder Retract Cable Interference

Aircraft Makes/Model(s):	Float Model(s):	Compliance: Optional	By: MAS
Air Tractor AT-802 and AT-802A	10000A	Part Number: 1005051	Approved: SDW
		Date: 4/14/2022	Revision: B

LOG OF REVISIONS

Revision	Description	Date
A	Initial release	4/8/2022
B	Updated hardware in Work Instructions, added BOM, updated part number on Figure 2 image.	4/14/2022

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-802 and AT-802A with Wipline 10000 Amphibian Floats installed per STC SA01795CH with manual handle water rudder retract system (non electric).

COMPLIANCE:

Optional Compliance

BACKGROUND:

The water rudder retract cable may become caught on the Emergency Dump Spring Assembly (Air Tractor PN 71134-1), especially with the manual (non-electric) rudder retract system due to the water rudders being able to “bounce” while in the retracted position, creating momentary slack in the cable.

COMPLIANCE METHOD:

Inspect for potential interference and complete work instruction as needed.

APPROXIMATE SHOP HOURS:

The work instruction for this service letter will take approximately 1 labor hour.

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 by contacting Wipaire customer service.

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Work Instructions

1. Position and prepare aircraft for safe maintenance.
2. Remove panel(s) as needed to gain access to area aft of hopper on L/H side.
3. Replace the originally installed AN4 bolt and MS21044N4 nut at the aft end of the E-Dump Spring Assembly (Air Tractor PN 71134-1) with AN24-36A clevis bolt and MS21083N4 nut and NAS1149F0463P washers as required. Do not overtighten, as doing so may restrict movement of the linkage. Refer to Figures 1 and 2. Cable pulleys and adjacent fuel line may be massaged slightly for additional clearance.
4. Actuate E-dump handle to test for interference and proper range of motion and make any necessary adjustments.
5. Reinstall aircraft panels.

Bill of Materials		
QTY	Part Number	Description
1	AN24-36A	Bolt
1	MS21083N4	Nut
A/R	NAS1149F0463P	Washer

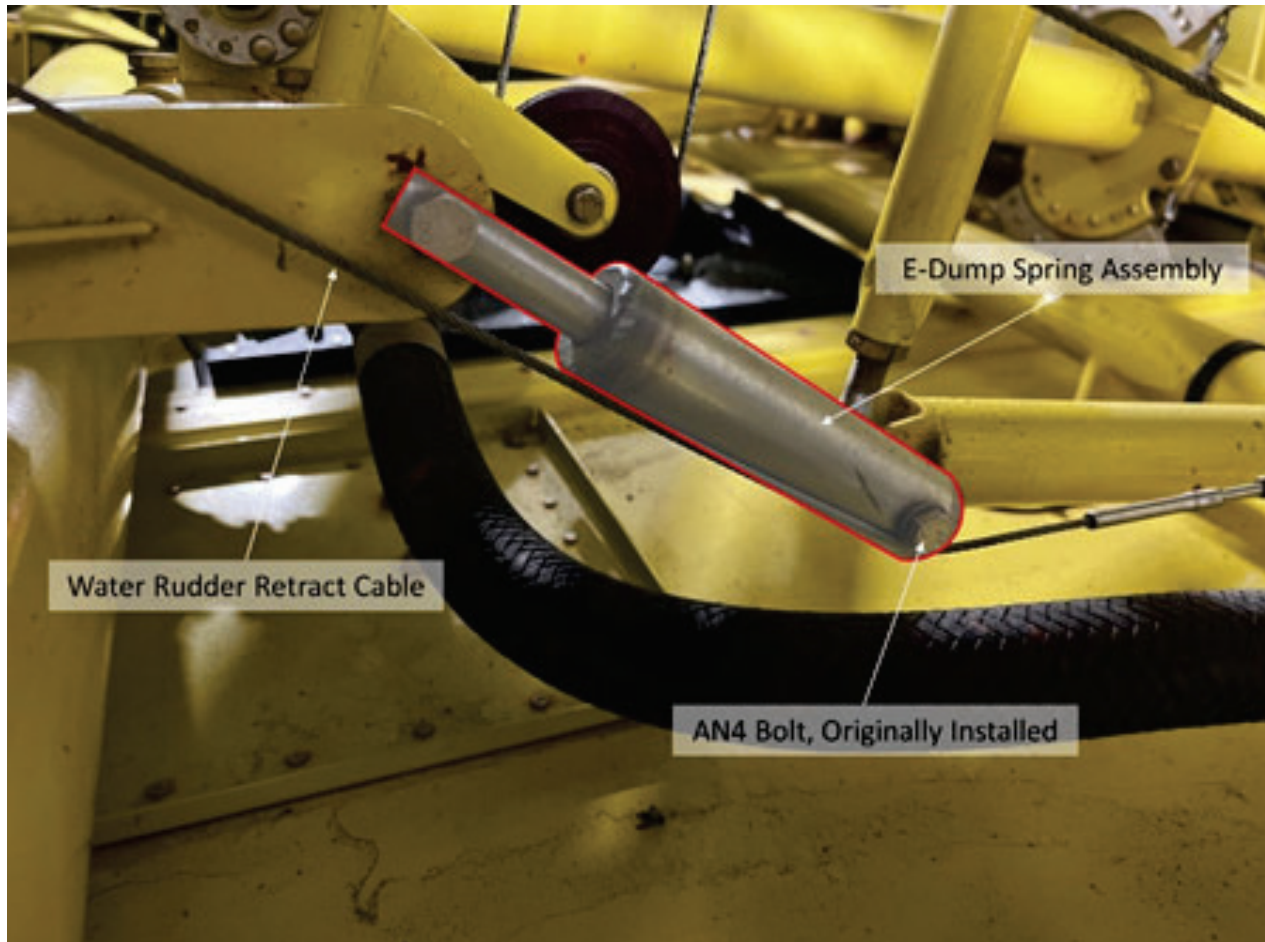


Figure 1 – Example of Interference

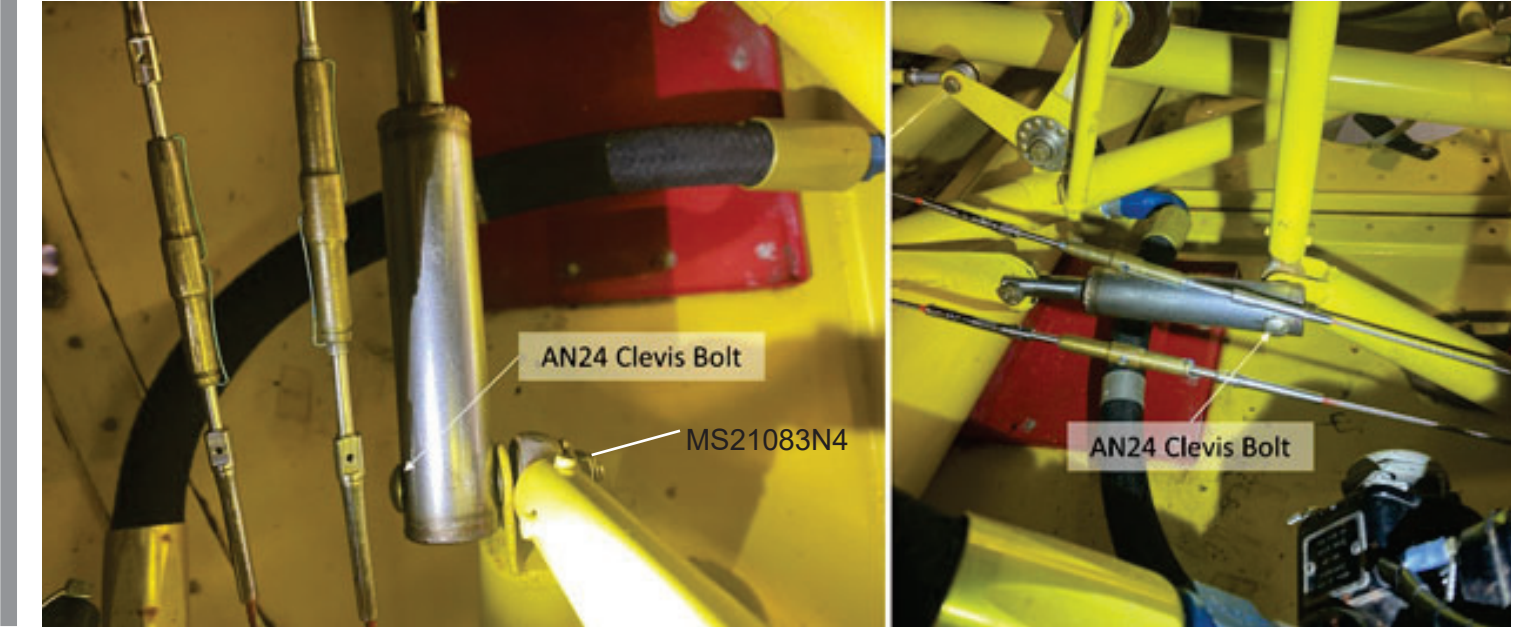


Figure 2 – Clevis Bolt Installed

Aircraft Closing & Return to Service

1. Upon completion of inspection, enter information in Aircraft Logbook for completion of Wipaire Service Letter 246.