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Date: June 11, 2021

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

For

Relief Tube Installation

Document No.: AF-662

Revision "IR"

Revision Date: 06/11/21

Applicable to:

Textron B300, B300C Series Aircraft

Modified by FAA STC SA02468LA

The information in the Instruction for Continued Airworthiness is FAA accepted material and complies with 14 CFR 23.1529, Instructions for Continued Airworthiness. It supersedes or adds to that provided in the Maintenance Manual for the Textron B300, B300C Series Aircraft, only where covered in the items contained herein. For limitations and procedures not contained in the Supplement, consult the Textron B300, B300C Series Aircraft Maintenance Manual, or other approved airplane data.

REVISION PAGE

Document Title: Instructions for Continued Airworthiness

Prepared By: Todd Pogue

Updates to the ICA will be made by Aviation Fabricators Inc. Updates will be listed in the log of revisions and the effective pages will be listed below.

Log of Revisions				
REV. NO.	**EFFECTED PAGE(S)**	**DESCRIPTION**	**DATE**	**APPROVED BY**
IR	All	Initial Release	06/11/21	

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ABBREVIATIONS AND DEFINITIONS

Abbreviations	Definitions
FAA	Federal Aviation Administration
General Visual Inspection (GVI)	A visual examination of an interior or exterior area, installation or assembly to detect obvious damage, failure or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to enhance visual access to all exposed surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or droplight and may require removal or opening of access panels or doors. Stands, ladders or platforms may be required to gain proximity to the area being checked.
ICA	Instructions for Continued Airworthiness
STC	Supplemental Type Certificate

1.0 INTRODUCTION

The purpose of this Maintenance Manual Supplement and Instructions for Continued Airworthiness (ICA) is to provide the maintenance technician with the information necessary to ensure the continued airworthiness of the Aviation Fabricators relief tube installation, per installation number 32-0543K, when installed in accordance with Aviation Fabricators design data included on Master Data List AF-482MDL and per Supplement Type Certificate (STC) SA02468LA.

Modifications to an aircraft obligates the operator to include the maintenance information provided by this document into the operator's aircraft Maintenance Manual and operator's aircraft scheduled maintenance program. This document defines supplementary maintenance operations and frequencies recommended by Aviation Fabricators Inc., to ensure the aircraft's airworthiness.

The information contained herein addresses the requirements specified in 14 CFR 23.1529, Instructions for Continues Airworthiness and supplements the basic Airplane Maintenance Manual only in those areas listed as pertains to the installation of the relief tube assembly, as installed per the Aviation Fabricator Master Data List AF-482MDL. For limitations and procedures not contained in this supplement, consult the basic Airplane Maintenance Manual.

DATA

All information to support the continued airworthiness of this modification is contained in:

STC # SA02468LA
Master Data List: AF-482MDL

Installation: D-10875

Parts: P/N 32-0543K

The relief tube installation consists of a bracket mounted into the LH sidewall just aft of the aircraft door. An escutcheon assembly is mounted the bracket using (6) screws. A tube is then fed down through the side wall below the fwd baggage floorboard and clamped to an existing drain tube assembly.

Design Change Control

All data and changes to the parts and assemblies will be tracked per Master Data List AF-482MDL Rev N or later approved revision.

Applicable Aircraft

Textron B300, B300C

Relief Tube Installation
P/N 32-0543K

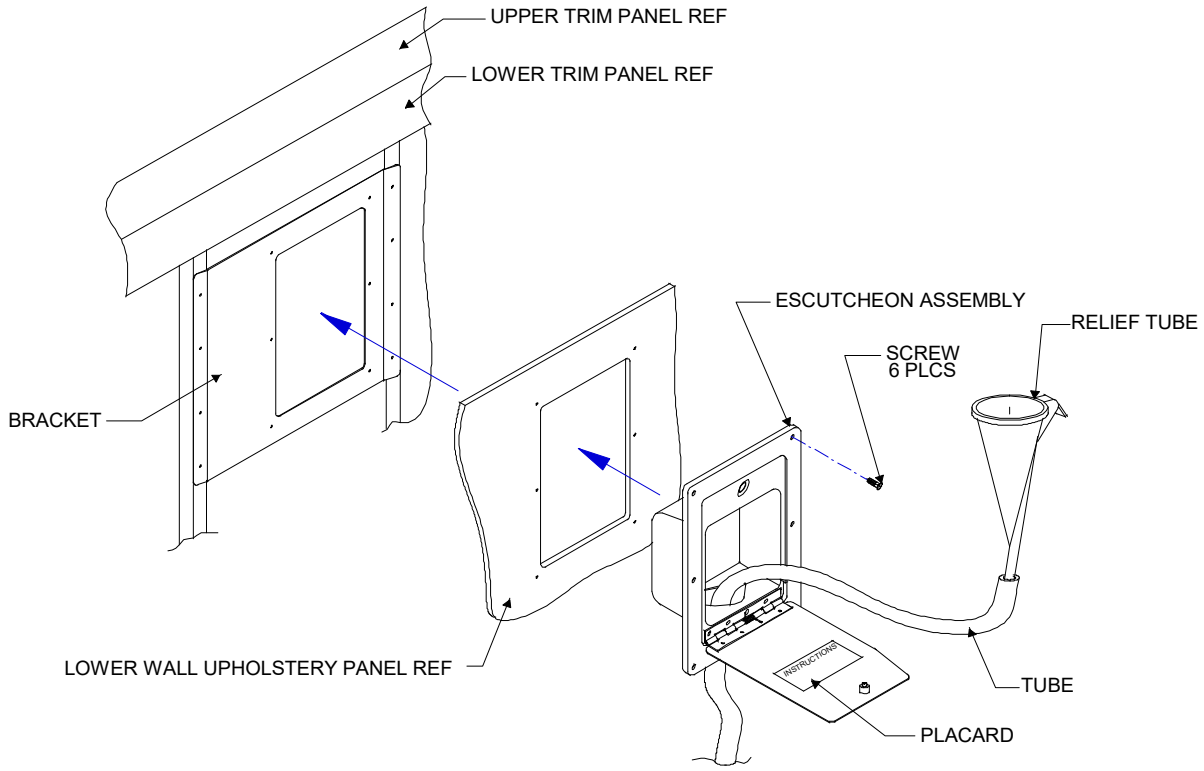

Figure 1.0A

2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with14 CFR 23.1529, continue the new relief tube installation on the same inspection and maintenance schedule used per the Textron B300 Maintenance Manual for cabin section equipment.

   a. The new relief tube installation requires no service other than inspection at normal Phase 4 inspection schedule of 800 hours or 24 months whichever occurs first.

   b. Perform a detailed visual inspection of the sidewall bracket and escutcheon assembly to detect apparent or obvious defects, corrosion, cracks, large deformations, or irregularities that cause the relief tube assembly to become distorted and not function properly. If deformities are found, the relief tube assembly must be removed from the aircraft. Contact Aviation Fabricators for replacement.

Table 2.0

Task Code			Schedule	Date	Mech	Insp
AFI-100	a.	Perform a General Visual Inspection (GVI) of the relief tube escutcheon assembly.				
AFI-101	b.	Determine that door latches properly.				
AFI-102	c.	Perform a GVI of the relief tube and drain tube assembly for proper operation.				

3.0 DIMENSION AND ACCESS

The installation of the new relief tube installation does not change the dimensions of the aircraft or alter the access to any existing aircraft system.

4.0 LIFTING AND SHORING

No Change.

5.0 LEVELING AND WEIGHING

The weight of the relief tube installation = 2.5 lbs.

6.0 TOWING AND TAXIIING

No Change.

7.0 PARKING AND MOORING

No Change.

8.0 PLACARDS AND MARKINGS

(1) placard is required in conjunction with this modification:

1. Placard P/N 15-0991 is located on the inside of the door of the relief tube assembly that is installed in the aircraft side wall:

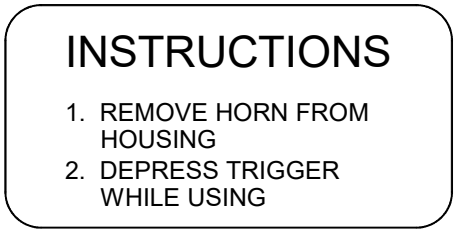

Figure 8.0A

9.0 SERVICE INFORMATION

Typical Service Instructions:

A. Cleaning:

1. Clean the relief tube assembly using soap and water.

B. Typical Maintenance Instructions:

1. Installation

Install escutcheon assembly to sidewall bracket using (6) screws. The relief tube is attached to the rubber tubing which is fed down through the side wall to the existing drain tube assembly using a hose clamp.

2. Removal

Remove the (6) screws to remove the escutcheon assembly from the sidewall bracket. Remove the rubber tubing from the existing drain tube assembly by loosening the hose clamp.

Refer to Figure 1.0A

C. Recommended Overhaul Periods:

No additional overhaul time limitations and requirements apply to the Aviation Fabricators relief tube installation.

10.0 AIRWORTHINESS LIMITATIONS

The information contained herein supplements the basic Maintenance Manuals only in those areas listed, when the aircraft is modified in accordance with Aviation Fabricators Master Data List AF-482MDL Rev N or later approved revision. For limitations and procedures not contained in this supplement, consult the basic Airplane Maintenance Manuals.

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

AIRWORTHINESS LIMITATIONS - LOG OF REVISIONS			
REV.	**EFFECTED PAGE (s)**	**DESCRIPTION of REVISION**	**DATE**
(IR)	All	Initial Release	06/11/21

AIRWORTHINESS LIMITATIONS

There are no Airworthiness Limitations to the aircraft with the addition of the relief tube assembly installed by this STC.

Distribution:
Per the requirement of Appendix G of 14 CFR Part 23 paragraph G23.1 (c), the changes made to the ICA by the applicant will be distributed via mail by means of paper copy.