

**Aviation Fabricators Inc.  
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## **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS**

For

Headrest Assembly

**Document No.: AF-439**

**Revision "B"**

**Revision Date: 03/20/13**

### **Applicable to:**

Cessna models 550, S550, 560, & 650

**Modified by FAA STC ST01548WI**

The information in the Instruction for Continued Airworthiness is FAA accepted material and complies with 14 CFR 25.1529, Instructions for Continued Airworthiness. It supersedes or adds to that provided in the Maintenance Manual for the Cessna 550, S550, 560, & 650 Aircraft, only where covered in the items contained herein. For limitations and procedures not contained in the Supplement, consult the Component Maintenance Manual, or other approved airplane data.

## REVISION PAGE

Document Title: Instructions for Continued Airworthiness

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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.

<b>Log of Revisions</b>				
<b>REV. NO.</b>	<b>EFFECTED PAGE(S)</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROVED BY</b>
A	All	*Updated the entire document with relevant format	08/19/09	GRL
B	All	*Added model 550 *Added Section 11.0 Troubleshooting, p10 *Updated Section 10.0 to latest format, p10		

Per the requirement of Appendix H of 14 CFR Part 25 paragraph H25.1 (c), the changes made to the ICA by the applicant will be distributed via mail by means of paper copy.

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## ABBREVIATIONS AND DEFINITIONS

<b>Abbreviations</b>	<b>Definitions</b>
AML	FAA Approved Model List (AML)
Detailed Inspection (DET)	An intensive examination of a specific item, installation or assembly to detect damage, failure or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirrors, magnifying lenses, etc. may be necessary. Surface cleaning and elaborate access procedures may be required.
FAA	Federal Aviation Administration
FAA MIDO	FAA Manufacturing Inspection District Office
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
Special Detailed Inspection (SDI)	An intensive examination of a specific item, installation, or assembly to detect damage, failure or irregularity. The examination is likely to make extensive use of specialized Inspection Techniques and/or equipment. Intricate cleaning and substantial access or disassembly procedure may be required.
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 headrest assemblies, per installation numbers 42-0365K & 42-0366K, when installed onto existing OEM seats in the aircraft passenger cabin in accordance with Aviation Fabricators design data included on Drawing List AF-435 and per Supplement Type Certificate (STC) No. ST01548WI.

Modifications to an aircraft obligates the operator to include the maintenance information provided by this document into the operators 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 25.1529, Instructions for Continued Airworthiness and supplements the basic Airplane Maintenance Manual only in those areas listed as pertains to the installation of the headrest assemblies, as installed per the Aviation Fabricators Drawing List AF-435. 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 ST01548WI.  
STC Drawing List: AF-435.

Installation: Installation Instructions D-10566 for p/n 42-0365K  
Installation Instructions D-10567 for p/n 42-0366K

Parts: p/n 42-0365, CE S550/650 Headrest Assembly  
p/n 42-0366, CE 550/560 Headrest Assembly

The new headrest is a replacement headrest to be used on existing OEM seats. It is installed in the same manner as the existing headrest assemblies by inserting the headrest frame into the seat back supports.

### Design Change Control

All data and changes to the parts and assemblies will be tracked per STC Drawing List AF-435 Rev B or later approved revision.

### Applicable Aircraft

Cessna models 550, S550, 560, & 650

Headrest Assembly

P/N 42-0365 or 42-0366 (shown)

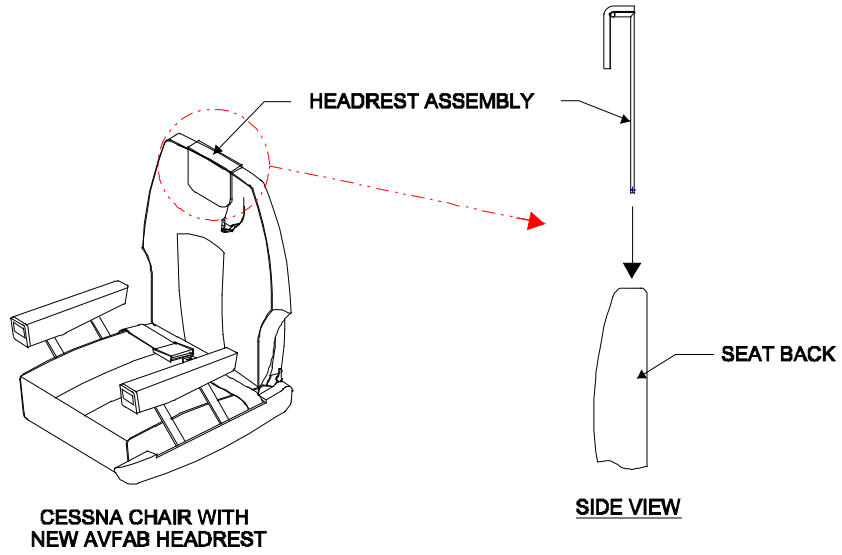


Figure 1.0A

## 2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with 14 CFR 25.1529, continue the new headrest assembly on the same inspection and maintenance schedule used per the Cessna Maintenance Manual for passenger seats.

Annual and/or 100 hour inspection

1. The modified systems require no service other than inspection at normal inspection intervals.

Task Code			Schedule	Date	Mech	Insp
AFI-100	a.	Inspect for damage to upholstery.				
AFI-101	b.	Inspect frame for damage, and corrosion.				

- A. The new headrest assembly is on the same inspection and maintenance schedule used per the Cessna Maintenance Schedule for passenger seats.

### 3.0 DIMENSION AND ACCESS:

The installation of the new headrest assembly 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

No change.

### 6.0 TOWING AND TAXIING

No change.

### 7.0 PARKING AND MOORING

No change.

### 8.0 PLACARDS AND MARKINGS

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

1. Aft facing seat with the new headrest assembly installed must have placard part number 15-0482 located so that is in plain view of the seat occupant.

**HEADREST MUST BE IN RAISED  
POSITION DURING TAKE OFF &  
LANDING FOR AFT FACING SEATS**

**Figure 8.0A**



## 9.0 SERVICE INFORMATION

### Typical Headrest Service Instructions:

#### A. Upholstery Cleaning:

##### Headrest Service Instructions

1. If possible dry clean fabric covering.
2. If dry cleaning is not possible clean fabric with Armour All fabric cleaner or equivalent.
3. Clean leather with Armour All leather cleaner or equivalent.
4. Clean and inspect overall headrest assembly for fit and function.

### Typical Headrest Maintenance Instructions:

#### Headrest Assembly

The headrest assembly is removed from the OEM seat by pulling upward on the headrest until the frame clears the seat back supports.

The headrest assembly is installed onto the OEM seat by inserting the headrest frame with the spring pins into the seat back supports and pushing down.

#### B. RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations and requirements apply to the Aviation Fabricators' headrest assembly.

## **10.0 AIRWORTHINESS LIMITATIONS**

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.

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

## **11.0 TROUBLESHOOTING INFORMATION**

Refer to the existing Aircraft Maintenance Manual for troubleshooting the headrest assembly installation that is required beyond the information found on the installation drawings D-10566 or D-10567.

For replacement parts or repair of damage parts:

Contact Aviation Fabricators at (660) 885-8317.

Troubleshooting this installation should only be accomplished by FAA approved repair stations with the appropriate ratings or appropriately rated operator/individuals, with required test equipment and service data.