

**Aviation Fabricators Inc.
805 North Fourth Street
Clinton, MO. 64735**

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

For

1, 2, & 3 Place Side Facing Divans

Document No.: AF-446

Revision "B"

Revision Date: 12/12/12

Applicable to:

Cessna model 650 serial # 0023 & ON

Modified by FAA STC ST01262WI

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 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

Prepared By: Todd Pogue

Reviewed By: Brian C. Adamson

| Log of Revisions | | | | |
|-------------------------|-------------------------|--|-------------|--------------------|
| REV. NO. | EFFECTED PAGE(S) | DESCRIPTION | DATE | APPROVED BY |
| Orig. Issue | All | Initial Release | 05/18/09 | STP, GRL |
| A | All | *Corrected inspection callout in Section 2.0 to be 36 month and/or 1200 hours *removed information under Section 3.0 Dim and Access and labeled as no change *Added Maintenance Instructions under Section 9.0 for Divan Assembly, Cushions, Seat Belts, and Drawers; also added Divan installation and removal procedures into the Divan Assembly description | 06/10/09 | STP, GRL |
| B | All | *Added Weight and Balance info in Section 5, p9 *Added Design Control Data and Applicable Aircraft to Section 1, p5 *Updated Section 1 Data, p4 *Added Section 11, Trouble Shooting, p13 *Updated Section 10 Airworthiness Limitations to latest format, p13 | 12/12/12 | STP, JRL |

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.

TABLE OF CONTENTS

| DESCRIPTION | PAGE |
|--|------|
| REVISION PAGE | 2 |
| TABLE OF CONTENTS | 3 |
| 1.0 INTRODUCTION..... | 4 |
| 2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE..... | 8 |
| 3.0 DIMENSION AND ACCESS: | 9 |
| 4.0 LIFTING AND SHORING | 9 |
| 5.0 LEVELING AND WEIGHING | 9 |
| 6.0 TOWING AND TAXIING | 9 |
| 7.0 PARKING AND MOORING..... | 9 |
| 8.0 PLACARDS AND MARKINGS..... | 10 |
| 9.0 SERVICE INFORMATION | 11 |
| 10.0 AIRWORTHINESS LIMITATIONS | 13 |
| 11.0 TROUBLESHOOTING INFORMATION..... | 13 |

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 1, 2, or 3 place divans, per installation numbers 42-0226K-XX, 42-0237K-XX, and 42-0238K-XX, when installed in accordance with Aviation Fabricators design data included on Data List AF-263 and per Supplement Type Certificate (STC) No. ST01262WI.

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 divan seats, as installed per the Aviation Fabricator Data List AF-263. 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 ST01262WI

Installation: STC drawing list: AF-263:
Drawing D-10207 for p/n's 42-0226K-XX, 42-0237K-XX,
And 42-0238K-XX

Reference:
STC drawing list: AF-288:
Drawing D-10314 for p/n 42-0287K

Parts: Refer to 42-0226, 42-0237, 42-0238 and respective drawings as listed on STC drawing list AF-263 for divan assembly.

Refer to 42-0287K and respective drawings as listed on STC drawing list AF-288 for shoulder harness kit.

The divan is a self contained complete assembly that mounts to the existing seat track, using standard fittings, in accordance with approved floor plans.

Design Change Control

All data and changes to the parts and assemblies will be tracked per STC Drawing List AF-263 Rev V or later FAA approved revision.

Applicable Aircraft

Cessna 650 s/n 0023 & On

Shoulder Harness Kit

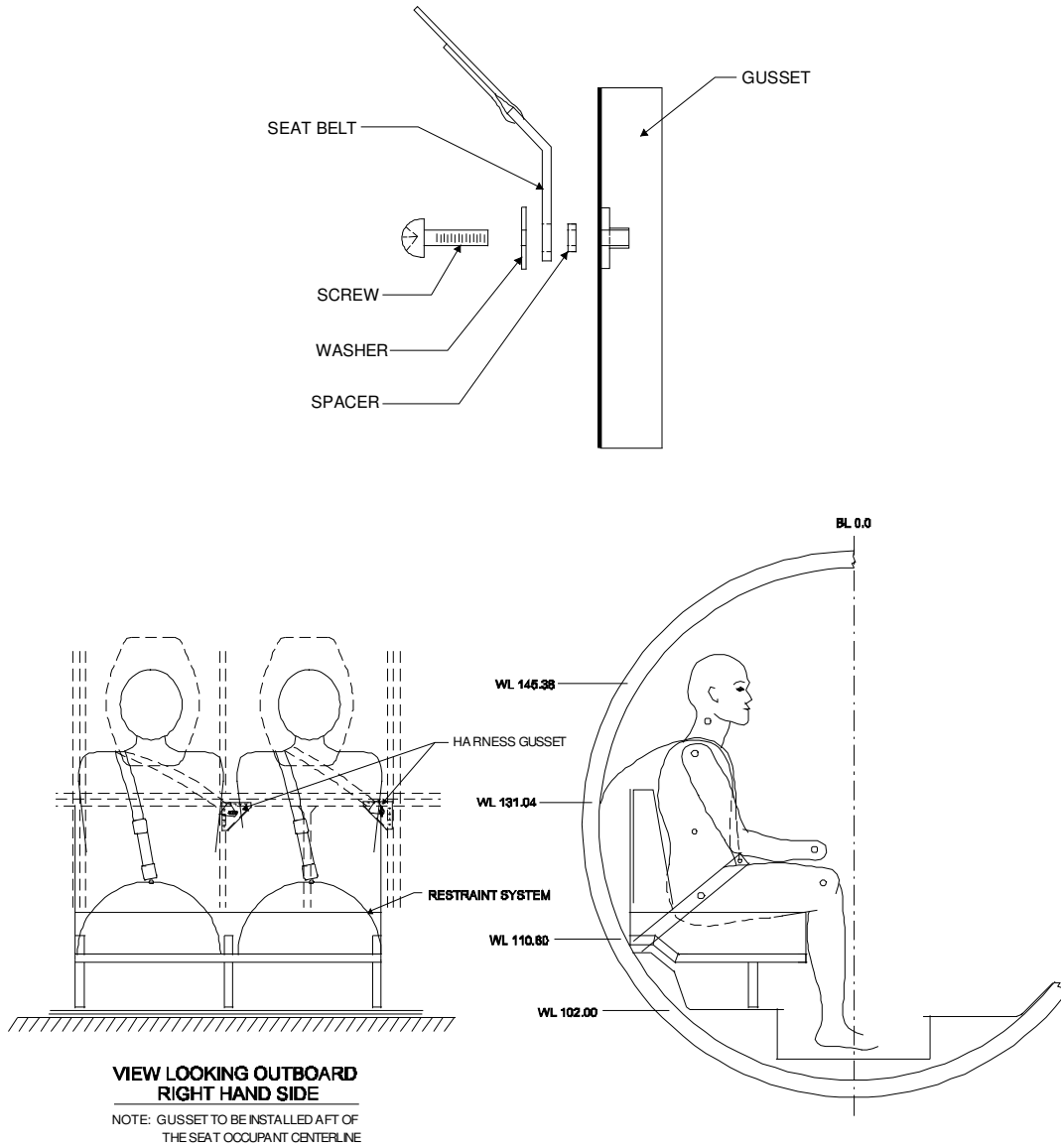


Figure 1.0A

Seat Belt Attachment

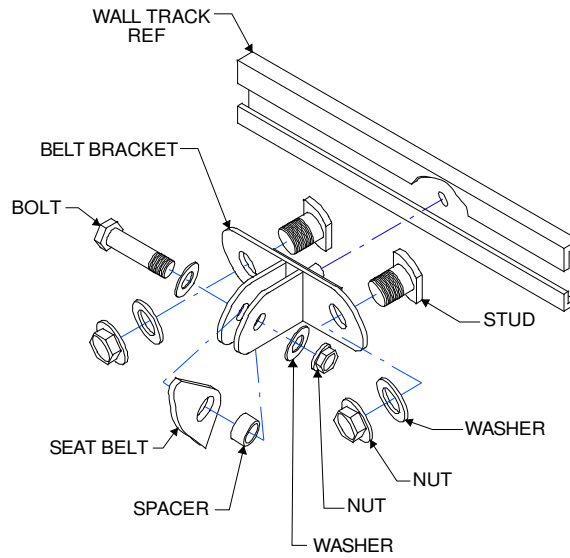


Figure 1.0B

Underseat Drawer

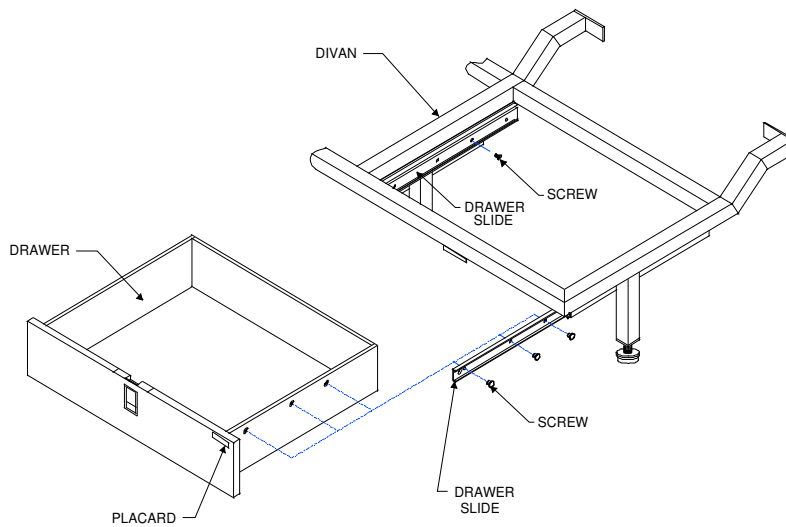


Figure 1.0C

1, 2, & 3 Divans

P/N's 42-0238, 42-0237(shown), & 42-0226

Top not shown for clarity

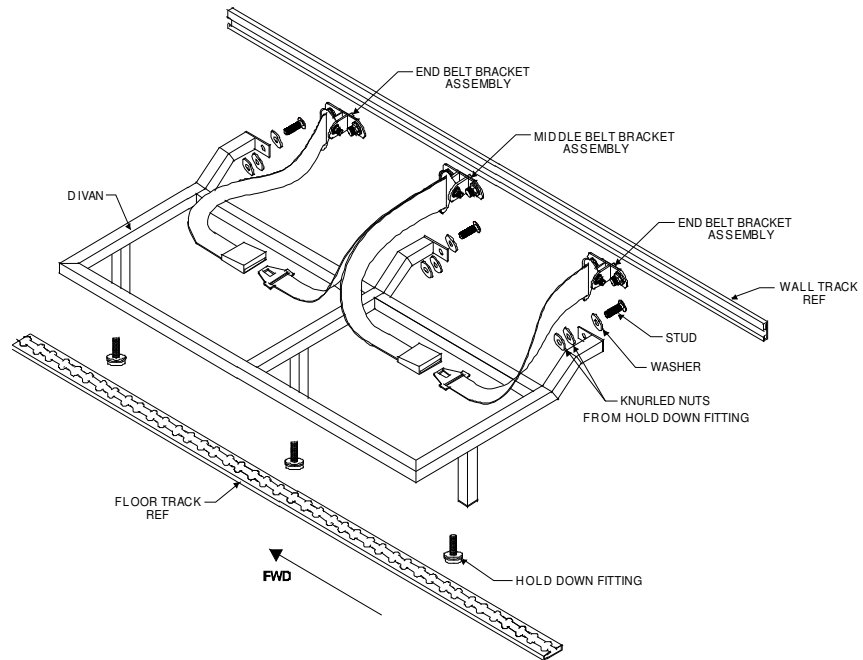


Figure 1.0D

2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with 14 CFR 25.1529, continue the new divan and restraint system on the same inspection and maintenance schedule used per the Cessna 650 Maintenance Manual for seats.

36 month and/or 1200 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 safety belts for wear, cuts, fraying, damage, and deterioration. | | | | |
| AFI-102 | c. | Inspect safety belt attachment fittings for wear and damage | | | | |
| AFI-103 | d. | Inspect foot fittings for damage, security, and function. | | | | |
| AFI-104 | e. | Inspect seat frame for damage, and corrosion. | | | | |
| AFI-105 | f. | Inspect overall seat for fit and function. | | | | |

- A. The new divan and restraint system on the same inspection and maintenance schedule used per the Cessna 650 Maintenance Manual for seats.

3.0 DIMENSION AND ACCESS:

No change.

4.0 LIFTING AND SHORING

No change.

5.0 LEVELING AND WEIGHING

| | |
|------------------------|------------------------|
| 1 Place Divan | = 6.5 lbs |
| 2 Place Divan | = 8.5 lbs |
| 3 Place Divan | = 12 lbs |
| Seat Belt and Hardware | = 2 lbs per seat place |
| Plug-in Armrest | = 2.5 lbs each |
| Armrest Box Assembly | = 3 lbs each |
| Drawer Assembly | = 3 lbs each |

| | |
|--|-------------------------|
| Maximum Allowable Seat Weight w/ Seat Bottom Upholstery | 1 Place Divan = 43 lbs |
| | 2 Place Divan = 86 lbs |
| | 3 Place Divan = 129 lbs |

6.0 TOWING AND TAXIING

No change.

7.0 PARKING AND MOORING

No change.

8.0 PLACARDS AND MARKINGS

Up to 4 placards are required in conjunction with this modification:

1. If optional drawers are installed, placard part number 15-0025 must be installed at the top of the face of the drawer where visible when open or closed.

MAXIMUM WEIGHT OF 20 LBS
DRAWER MUST BE STOWED
DURING TAKE-OFF AND LANDING

2. Lifevest placard part number 15-0288 must be installed in plain view of the seat occupant.

LIFE VEST IS STORED
IN UNDERSEAT
COMPARTMENT

3. If optional center armrest is installed, placard part number 15-0074 must be installed in plain view of the seat occupant.

CENTER ARMREST MUST
BE REMOVED DURING
TAKE-OFF AND LANDING

4. A placard stating "to install harness over seat occupant's fwd shoulder" is sewn on to restraint system part numbers 3092-1-011-2396 and should be legible and easily viewed by the seat occupant.



Figure 8.0A

9.0 SERVICE INFORMATION

Typical Divan Service Instructions:

A. Upholstery Cleaning:

Divan Service Instructions

1. Remove seat back and seat bottom cushion assemblies from sidewall and divan top.
2. If possible dry clean fabric cushions.
3. If dry cleaning is not possible clean fabric with Armour All fabric cleaner or equivalent.
4. Clean leather with Armour All leather cleaner or equivalent.
5. Clean drawer finish using Armour All multi-purpose cleaner or equivalent.
6. Clean and inspect restraint system for damage or excessive wear.
7. Inspect all attachment fittings and replace if necessary.
8. Inspect overall seat for fit and function.

B. RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations.

Typical Divan Maintenance Instructions:

Divan Assembly:

The divans are self contained complete assemblies that mount to the existing aircraft cabin seat track using standard fittings in accordance with approved floor plans. Refer to Figure 1.0D.

Divan Installation:

The installation of the divan requires (1) setting the divan into the correct location, (2) sliding the divan forward or aft on the track to allow the hold down fitting keeper to lock in place and (3) tightening provided hold down fitting knurled nuts on to the existing seat track on the floor and the outboard sidewall. For available fuselage station locations refer to document AF-308 for 3 place divan p/n, 42-0226K-XX, AF-309 for 2 place divan base part number 42-0237K-XX, or AF-310 for 1 place divan base part number 42-0226K-XX.

Divan Removal:

Removal of the divan assembly requires (1) loosening the attaching hold down fitting hardware, (2) sliding the divan forward or aft to remove the hold down fitting keeper from locking into the seat track, and (3) lifting the divan from its previous location.

For complete installation instructions refer to drawing D-10207 as listed on drawing list AF-263.

The divan installations require a FAA approved shoulder harness kit to be installed. Refer to Figure 1.0A for Aviation Fabricators kit p/n 42-0287K.

Cushions:

Seat back and seat bottom cushion assemblies are removed by simply pulling the cushion inboard away from the Velcro on the sidewall or up away from the Velcro on the pan of the divan assembly, respectively.

Seat Belt:

Seat belt removal is accomplished by loosening attaching hardware and removing from the existing aircraft seat track. Refer to Figure 1.0B

Drawers:

Underseat drawers are removed from the divan by removing slide screws attached to the drawer sides. The drawer slides are removed from the divan by removing attaching screws. Figure 1.0C

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 Drawing List AF-263 Rev "Q" or later approved revision. For limitations and procedures not contained in this supplement, consult the basic Airplane Maintenance Manuals.

There are no Airworthiness Limitations to the aircraft with the addition of the 1, 2, & 3 Place Side Facing Divan installed by this STC.

11.0 TROUBLESHOOTING INFORMATION

Refer to the existing Aircraft Maintenance Manual for troubleshooting the 1, 2, or 3 place divan installation that is required beyond the information found on the installation drawing D-10207.

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.