INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

For

Stretcher Assembly

Document No.: AF-654

Revision "IR"

Revision Date: 12-09-20

Applicable to:

Textron, Aviation 65, A65, A-65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88, 65-90, 65-A90, 65-A90-1, 65-A90-2, 65-A90-3, 65-A90-4, 70, C90, C90A, C90GT, C90GTi, B90, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, 100, A100, A100A, A100C, A100-1, B100, 200, 200C, 200CT, A200, A200C, A200CT, B200, B200C, B200CT, B200T, B200GT, B200CGT, 300, 300LW, B300, B300C

Textron Aviation 208, 208B,

Daher Kodiak 100

Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E

Series Aircraft

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 above listed Textron and Daher series Aircraft, only where covered in the items contained herein. For limitations and procedures not contained in the Supplement, consult the Textron, Daher, or Pilatus Component 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	12-09-20	JRL

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DESCRIPTION PAGE

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

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 stretcher installation, per for stretcher P/N 52-0548K.

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 to the stretchers. For limitations and procedures not contained in this supplement, consult the Airplane Maintenance Manual.

DATA

All information to support the continued airworthiness of this modification is contained on Master Data List AF-654.

The stretcher consists of two support assemblies that are attached to the cabin seat track and a Ferno portable stretcher that is then installed onto the support assemblies. The restraints are attached to tie down fittings that are installed into the cabin seat track.

Design Change Control
All data and changes to the parts and assemblies will be tracked per Master Data List AF-654.

Stretcher Assembly
P/N 32-0548K

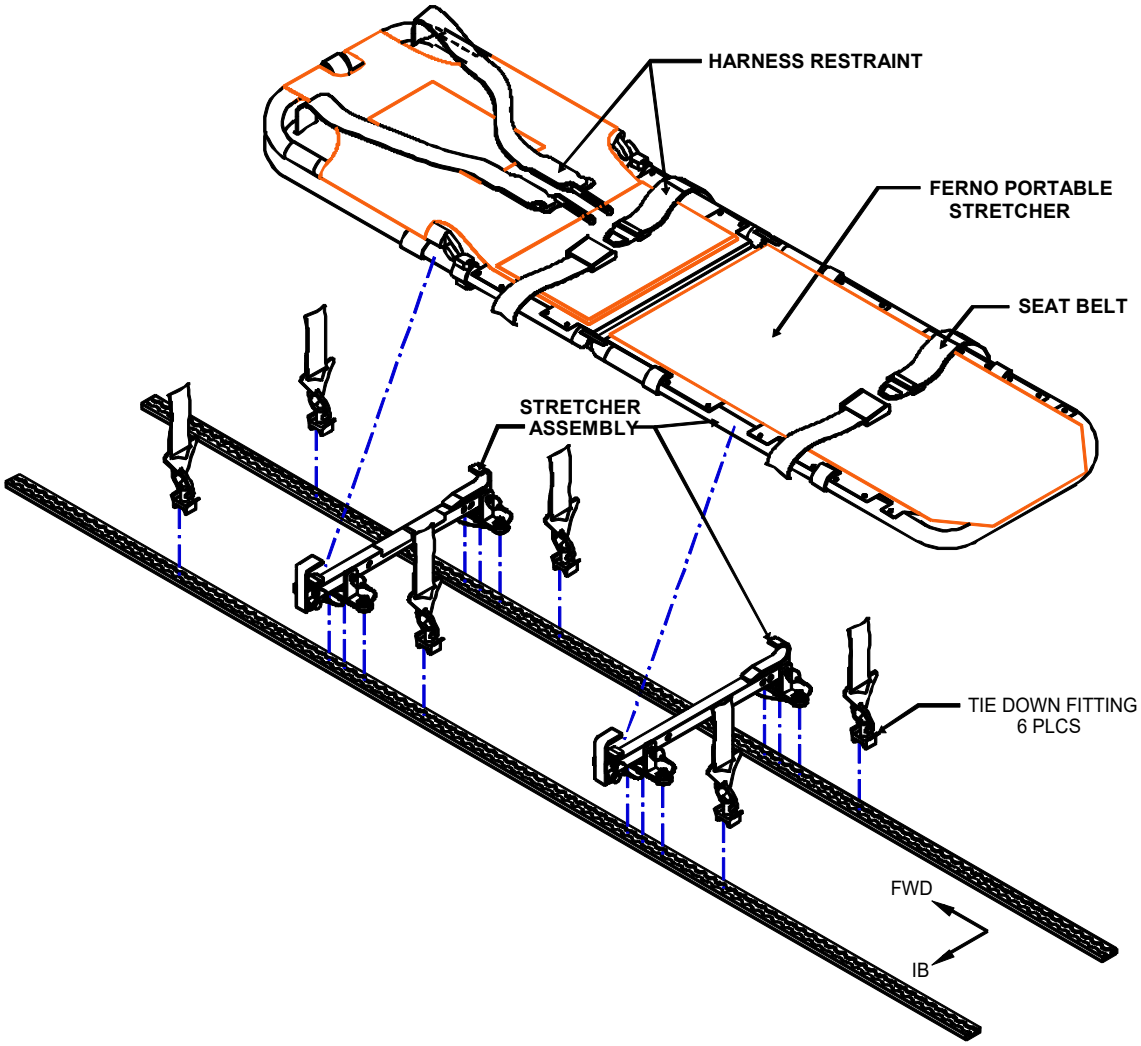

Figure 1.0A

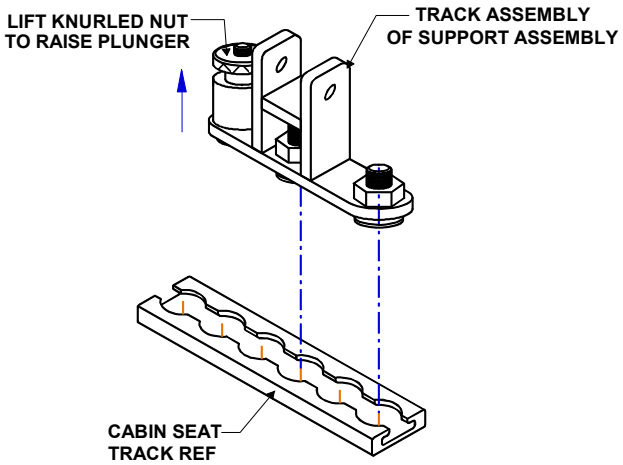

Figure 1.0B

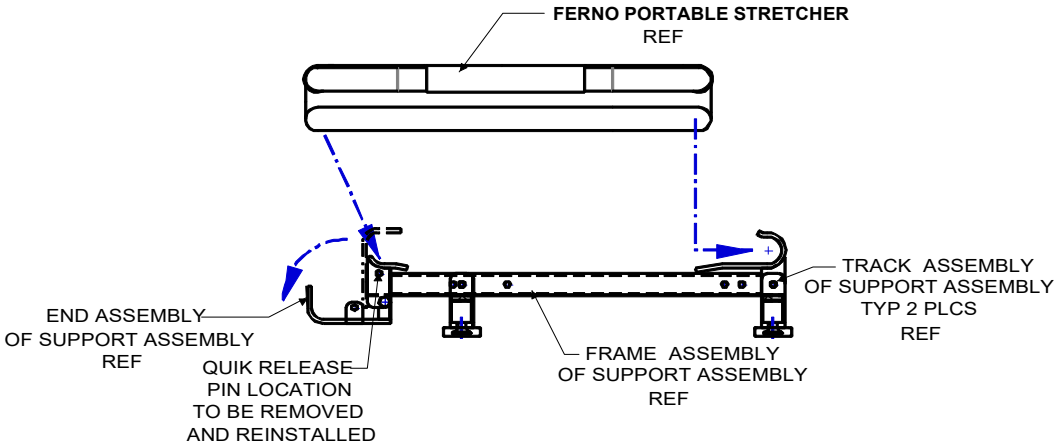

Figure 1.0C

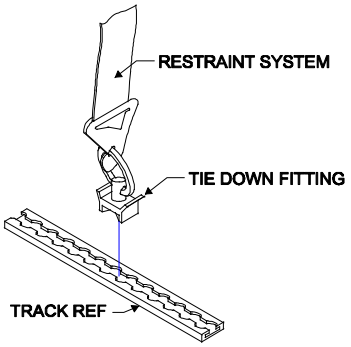

Figure 1.0D

2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with14 CFR 23.1529, continue the new stretcher and restraint systems on the same inspection and maintenance schedule used per the applicable Textron, Daher, or Pilatus Maintenance Manual for seats as applicable.

   a. The new stretcher and restraint systems require no service other than inspection at normal inspection interval of 100 hours or annually.

   b. Perform a detailed visual inspection of the portable stretcher covering to detect apparent or obvious defects or irregularities.

      Visually inspect the covering assembly for holes, punctures, and tears. If the damage to the covering is holes smaller than ½" in diameter or a cut at a maximum of 2" in length then the covering is satisfactory. The sewing of the cover assembly cannot have a tear or cut exceeding 1" in length. Any damage to the covering assembly outside of the described limits will require it to be replaced.

   c. Visually inspect the stretcher support assemblies for cracks and deformation. Damaged conditions can be detected as a crack at the edge of the tube or along the length of the tubes. Visually inspect all hardware for excessive wear before and after installation.

      There shall be no broken aspects of the support assemblies. There shall be no sharp corners, edges, or protrusions that may injure passengers. Replace the tubes if they are bent in such a way that they are more than 1" off center. Replace or repair the stretcher support assembly if a crack length is found to be .125" or greater. Replace the support assembly if a dent is found in the tube running longer than 3".

      Cracked or broken fasteners or fittings are to be replaced with new immediately.

      For repair or replacement of damaged or broken parts or assemblies contact Aviation Fabricators Inc.

Task Code			Schedule	Date	Mech	Insp
AFI-100	a.	Conduct a General Visual Inspection (GVI) for damage to portable stretcher frame and cover.				
AFI-101	b.	Conduct a GVI of the safety belts for wear, cuts, fraying, damage, and deterioration.				
AFI-102	c.	Conduct a GVI of the safety belt attachment fittings for wear and damage				
AFI-103	d.	Conduct a GVI of the support assembly foot fittings for damage, security, and function.				
AFI-104	e.	Conduct a GVI of the support assemblies for damage, and corrosion.				
AFI-105	f.	Conduct a GVI of the overall stretcher assembly for fit and function.				

3.0 DIMENSION AND ACCESS:

The installation of the stretcher 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

Stretcher Support Assemblies & Restraints	=	13 lbs
Ferno 12-2A Portable Litter	=	23 lbs
Total	=	36 lbs
Stretcher Length	=	72 inches

6.0 TOWING AND TAXIING

No change.

7.0 PARKING AND MOORING

No change.

8.0 PLACARDS AND MARKINGS

1. Placard part numbers16-0040 & 16-0041 are to be installed on the aircraft sidewall 6” to 12” above the stretcher assembly near the head end so that they are in plain view of the stretcher occupant.

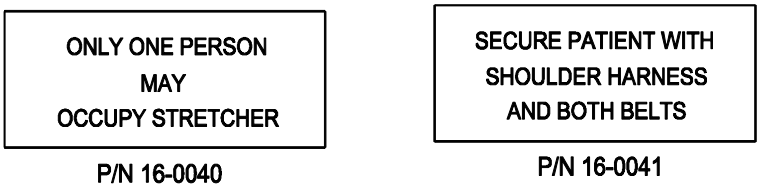

Figure 8.0A

2. Qty (2) placards part number 15-1005 are to be installed on the optional Ferno 12-2A portable stretcher unit on the recline mechanism so that they are legible looking down on both the inboard and out board side of the portable stretcher unit.

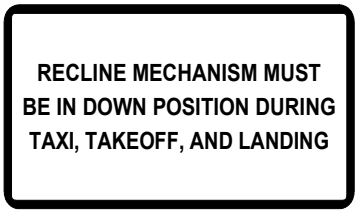

Figure 8.0B

3. Placard P/N 15-1007 is to be installed on top of the bottom rail on the head end of the Ferno 12-2A Portable Stretcher

Figure 8.0C

9.0 SERVICE INFORMATION

Typical Service Instructions:

A. Cleaning:

1. Clean the portable stretcher covering with Armour All leather cleaner or equivalent.
2. Clean and inspect restraint systems for damage or excessive wear.
3. Inspect all attachment fittings and replace if necessary.
4. Inspect overall stretcher for fit and function.

B. Typical Maintenance Instructions:

1. Stretcher Installation:
   a. Locate and attached support assemblies on cabin seat track by lifting knurled nut for plunger and inserting foot studs into seat track. Move the support assembly forward or aft approximately .50” until plunger locks down into the cabin seat track. See Figures 1.0A & 1.0B
   b. Locate the tie down fittings in the cabin seat track and attach the restraints. See Figure 1.0A.
   c. Install the Ferno Portable Stretcher on to the support assemblies by removing the quick release pin to allow the end support hook to rotate 90 degrees inboard. Place Ferno Portable Stretcher on support rests and shift outboard until the portable stretcher frame is capture by the outboard hook. Rotate the inboard end support hook back into place and lock Ferno Portable Stretcher into place by reinstalling the quick release pin. See Figure 1.0C.
2. Stretcher Removal:
   a. Remove the Ferno Portable Stretcher from the support assemblies by removing the quick release pin to allow the end support hook to rotate 90 degrees inboard. Remove Ferno Portable Stretcher by shifting it inboard until the portable stretcher frame is clear of the outboard hook. See Figure 1.0C.
   b. Remove the tie down fittings and restraints from the cabin seat track. See Figure 1.0A.
   c. Remove the support assemblies from the cabin seat track by lifting

knurled nut for plunger and moving the support assembly forward or aft approximately .50” until the foot bodies clear the cabin seat track. See Figures 1.0A & 1.0B

3. The restraint seat belts and shoulder harness are installed and removed by attaching them to tie down fittings installed into the cabin seat track. See Figure 1.0D

C. Recommended Overhaul Periods:

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

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-654 Rev IR 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	12-09-20

AIRWORTHINESS LIMITATIONS

There are no Airworthiness Limitations to the aircraft with the addition of the stretcher assembly.