

**Aviation Fabricators
805 North Fourth Street
Clinton MO 64735**

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INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

For

Seat Recline Gear

Document No.: AF-678

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Revision Date: 04-14-23

Applicable to:

**Textron F33A, F33C, G33, V35A, V35B,
36, A36, 95-B55, 95-B55A, D55, D55A, E55, E55A, 56TC, A56TC,
58, 58P, 58TC, 60 Series Aircraft**

PMA Part

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 Series Aircraft, only where covered in the items contained herein. For limitations and procedures not contained in the Supplement, consult the Textron Series Aircraft Maintenance Manual, or other approved airplane data.

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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	04-14-23	

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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
PMA	Parts Manufacturing Approval

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 Seat Recline Gear installation, part number 18-1061, when installed in accordance with Aviation Fabricators design data included on drawing D-10966.

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 seat recline gear, as installed per the Aviation Fabricators drawing D-10966. 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:

Installation: Drawing D-10966

Parts: Refer to P/N 18-1061 per drawing D-10535

The seat recline gear is an aluminum part machined identical to the OEM part and installed in the exact same manner.

Design Change Control

All data and changes to the parts and assemblies will be tracked per drawings D-10535 Rev C and D-10966 Rev IR or later approved revisions.

Applicable Aircraft

Textron F33A, F33C, G33, V35A, V35B, 36, A36, 95-B55, 95-B55A, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58P, 58TC, 60 Series Aircraft

Seat Recline Gear Installation

P/N 18-1061

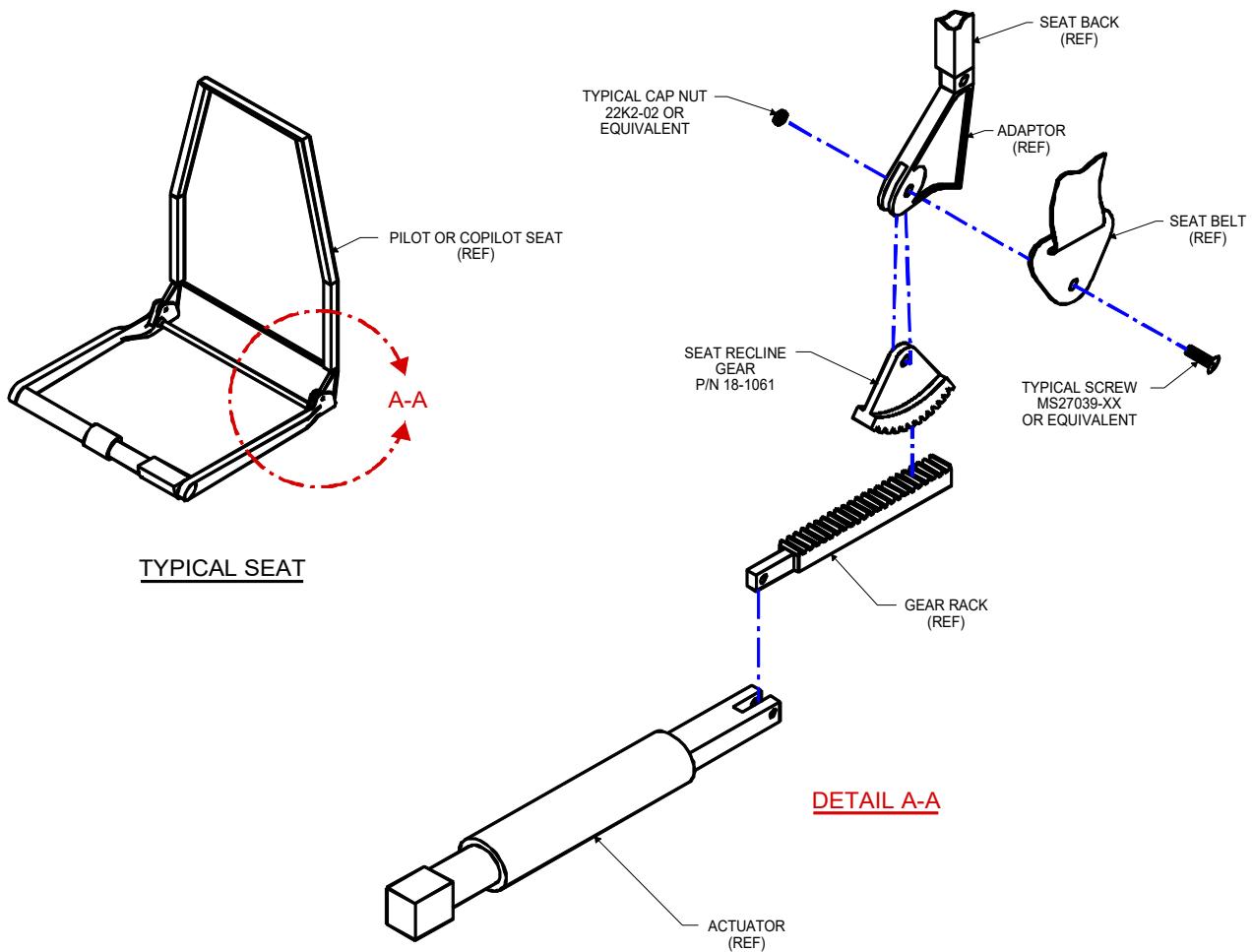


Figure 1.0A

2.0 INSPECTION REQUIREMENTS AND OVERHAUL SCHEDULE

1. To comply with 14 CFR 23.1529, inspect the new seat recline gear per the following table.
2. Inspection Time Limit for the seat recline gear installations:
Inspect per seat time schedule of 100 hours or Annual Inspection.
3. Recommended Overhaul Periods
No additional overhaul time limitations.

Task Code			Schedule	Date	Mech	Insp
AFI-100	a.	Perform General Visual Inspection (GVI) for cracks and hole enlargement around attaching screw.				
AFI-101	b.	Perform GVI for cracks, breaks, or damage to teeth of the gear.				

3.0 DIMENSION AND ACCESS

The installation of the new seat recline gear 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

No Change.

9.0 SERVICE INFORMATION

Typical Service Instructions:

Maintenance Instructions:

If any damage is found during inspection to the seat assembly, contact Aviation Fabricators for replacement or repair.

Removal and Installation of the Seat Recline Gear (refer to Figure 1.0A):

1. Remove attaching screw and nut and take seat recline gear from its position on the seat assembly.
2. Install by placing seat recline gear in correct position and attach using screw and nut.

A. Recommended Overhaul Periods:

No additional overhaul time limitations and requirements apply to the Aviation Fabricators seat recline gear.

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 D-10966 Rev IR or later approved revision. For limitations and procedures not contained in this supplement, consult the basic Airplane Maintenance Manuals.

Change to read: "The Airworthiness Limitations Section is FAA approved and specifies maintenance required under 14 CFR §§ 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	04-14-23

AIRWORTHINESS LIMITATIONS

There are no Airworthiness Limitations to the aircraft with the addition of the new Avfab seat recline gear installed per drawing D-10966.

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, email, or website.

11.0 TROUBLESHOOTING

No change.