

| YR   | MO | DAY | RECORDING<br>TACH<br>READING | TIME<br>THIS<br>FLIGHT                                                                            | TOTAL<br>TIME | REMARKS | SIGNATURE |
|------|----|-----|------------------------------|---------------------------------------------------------------------------------------------------|---------------|---------|-----------|
| 2002 |    |     |                              |                                                                                                   |               |         |           |
|      | 6  | 10  | APPLIED                      | STC #SA691AL FOR AUTOMOTIVE FULL USAQL IN THIS AIRCRAFT. SEE 337 AND STC FOR FURTHER INFORMATION. |               |         |           |
|      |    |     |                              |                                                                                                   |               | AP      |           |

24 May 2003 Tech Time: 2521.16 Total Time: 3151.06  
 Removal existing seat belt restraints and installed new Fabricators  
 Shoulder harnesses & seat belts per STC SA1489GK See 337 & STC for  
 Details Claimed #1 & 14 wheel brake pads & Calipers, Label slide pins  
 removed Left Flap for rework of elongated Slot in Actuator, Tube  
 Removed Ceiling, Inspection Piles & Interior for Inspection

| YEAR |       | DESCRIPTION OF INSPECTIONS,<br>Certificated mechanics or repair<br>inspections and repairs with r                                                                |
|------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MO.  | DAY   |                                                                                                                                                                  |
| 31   | Dec 2 | TT 3751.06 nos Tech 1 2522.<br>J 2LT BuX with new. List Rep                                                                                                      |
| 6/27 | 03    | TT 3751.06 A/c Tech 1 2521.16<br>AD's (buckled to date, w/AD 48-02<br>w/ky, dng, wire systems chape 6LT<br>4/1 207(d). Apr 10 20 repaired &<br>Signed [redacted] |

I CERTIFY THAT THIS  
 HAS BEEN INSPECTED  
 Annely INSPECT  
 TO BE IN AIRWORTHY

0662

INSPECTED BY [REDACTED] FEB 12

(owner)

| MAJOR REPAIR AND ALTERATION<br>(Airframe, Powerplant, Propeller, or Appliance)                                                                                                                                                                                                                                                                                   |                                             |                                |                                                | Form Approved<br>OMB No. 2120-0020                      |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|------------------------------------------------|---------------------------------------------------------|-----------------|
| US Department of Transportation<br>Federal Aviation Administration                                                                                                                                                                                                                                                                                               |                                             |                                |                                                | For FAA Use Only                                        |                 |
|                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                |                                                | Office Identification                                   |                 |
| INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958). |                                             |                                |                                                |                                                         |                 |
| 1. Aircraft                                                                                                                                                                                                                                                                                                                                                      | Make                                        | Cessna                         | Model                                          | C-140                                                   |                 |
|                                                                                                                                                                                                                                                                                                                                                                  | Serial No.                                  | 11284                          | Nationality and Registration Mark              | N76850                                                  |                 |
| 2. Owner                                                                                                                                                                                                                                                                                                                                                         | Name (As shown on registration certificate) |                                | Address (As shown on registration certificate) |                                                         |                 |
|                                                                                                                                                                                                                                                                                                                                                                  | Norman Hasman                               |                                | San Carlos, AZ 85636                           |                                                         |                 |
| 3. For FAA Use Only                                                                                                                                                                                                                                                                                                                                              |                                             |                                |                                                |                                                         |                 |
|                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                |                                                |                                                         |                 |
| 4. Unit Identification                                                                                                                                                                                                                                                                                                                                           |                                             |                                |                                                |                                                         |                 |
| Unit                                                                                                                                                                                                                                                                                                                                                             | Make                                        | Model                          | Serial No.                                     | Repair                                                  | Alteration      |
| AIRFRAME                                                                                                                                                                                                                                                                                                                                                         | (As described in Item 1 above)              |                                |                                                |                                                         | ✓               |
| POWERPLANT                                                                                                                                                                                                                                                                                                                                                       |                                             |                                |                                                |                                                         |                 |
| PROPELLER                                                                                                                                                                                                                                                                                                                                                        |                                             |                                |                                                |                                                         |                 |
| APPLIANCE                                                                                                                                                                                                                                                                                                                                                        | Type                                        |                                |                                                |                                                         |                 |
|                                                                                                                                                                                                                                                                                                                                                                  | Manufacturer                                |                                |                                                |                                                         |                 |
| 6. Conformity Statement                                                                                                                                                                                                                                                                                                                                          |                                             |                                |                                                |                                                         |                 |
| A. Agency's Name and Address                                                                                                                                                                                                                                                                                                                                     |                                             | B. Kind of Agency              |                                                | C. Certificate No.                                      |                 |
| Frederick A Rister                                                                                                                                                                                                                                                                                                                                               |                                             | ✓ U.S. Certificated Mechanic   |                                                | [Redacted]                                              |                 |
| Brockport N.Y. 14420                                                                                                                                                                                                                                                                                                                                             |                                             | Foreign Certificated Mechanic  |                                                | [Redacted]                                              |                 |
|                                                                                                                                                                                                                                                                                                                                                                  |                                             | Certificated Repair Station    |                                                | H-E-P                                                   |                 |
|                                                                                                                                                                                                                                                                                                                                                                  |                                             | Manufacturer                   |                                                |                                                         |                 |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.               |                                             |                                |                                                |                                                         |                 |
| Date                                                                                                                                                                                                                                                                                                                                                             |                                             | Signature of [Redacted]        |                                                |                                                         |                 |
| 24 May 2003                                                                                                                                                                                                                                                                                                                                                      |                                             |                                |                                                |                                                         |                 |
| 7. Approval for Return To Service                                                                                                                                                                                                                                                                                                                                |                                             |                                |                                                |                                                         |                 |
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is                                                                                                                                                                 |                                             |                                |                                                |                                                         |                 |
| BY                                                                                                                                                                                                                                                                                                                                                               |                                             | FAA Fit. Standards Inspector   | Manufacturer                                   | Inspection Authorization                                | Other (Specify) |
|                                                                                                                                                                                                                                                                                                                                                                  |                                             | FAA Designee                   | Repair Station                                 | Person Approved by Transport Canada Airworthiness Group |                 |
| Date of Approval or Rejection                                                                                                                                                                                                                                                                                                                                    |                                             | Certificate or Designation No. | Signature of Authorized Individual             |                                                         |                 |
| 6/07/03                                                                                                                                                                                                                                                                                                                                                          |                                             | [Redacted]                     | [Redacted]                                     |                                                         |                 |

# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished  
(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work completed.)

- ① Removed right and left seat Belt restraints.
- ② Installed Aero Fabricators Shoulder harness and seat belt restraint assemblies right and left station per Aero Fabricators Installation Instructions AF-25 Rev D dated 3/30/98 Under Supplemental Type Certificate SA 1429GL Issued 31 October 1989.

End

Instructions for Continued Airworthiness: The above installation shall be inspected for security and proper condition during routine Annual inspections. AC 43.13-1B or current revision may be used as a reference.

☐ Additional Sheets Are Attached

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

Number **SN1429GL**

This certificate, issued to **Aero Fabricators, Inc.**

**Lyons, WI 53148**

certifies that the change in the type design for the following product with the limitations and conditions

therefor as specified herein meets the airworthiness requirements of Part 4a of the Civil Air

Regulations. (See Aircraft Specification No. A-768 for complete certification basis.)

Original Product — Type Certificate Number **A-768**

Make **Cessna Aircraft Company**

Model **120, 140**

*Description of Type Design Change*

Install Aero Fabricators shoulder harness and seat belt assembly per Aero Fabricators Installation Instructions AF-25, No Revision, dated October 5, 1989, or later FAA Approved Revisions.

*Limitations and Conditions*

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect unless suspended, revoked, or a termination date is otherwise established by the Administrator of the

Federal Aviation Administration.

Date of application **October 5, 1989**

Date received

Date of issuance **October 31, 1989**

Date amended

By direction of the Administrator



**Donald P. Michal, Manager**  
**Chicago Aircraft Certification Office**

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

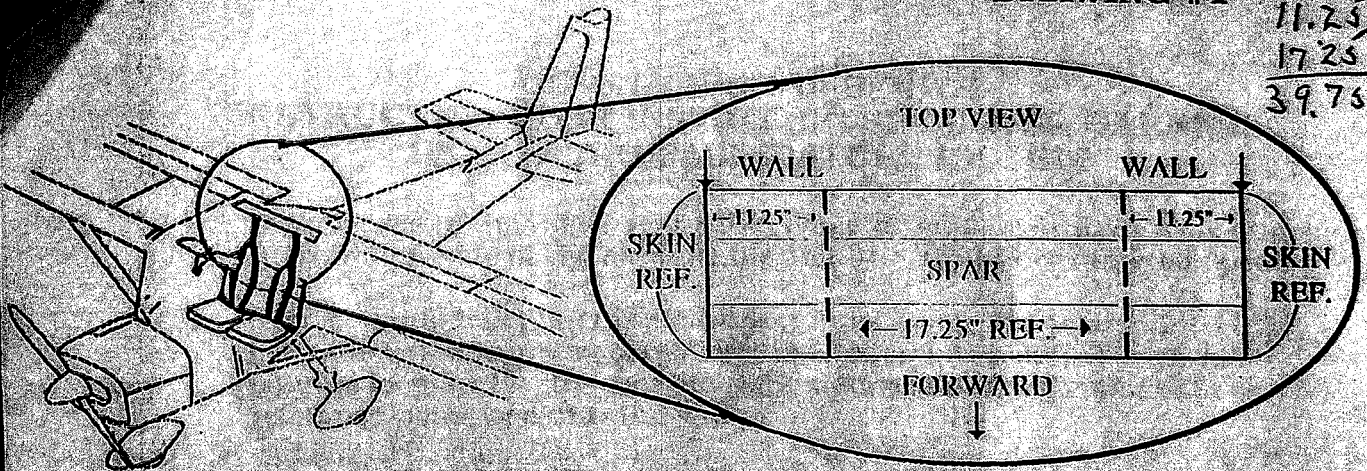
This certificate may be transferred in accordance with FAR 21.47

# CESSNA 120-140 SERIES INSTALLATION INSTRUCTIONS

Pg. 1 of 3

DRAWING #1

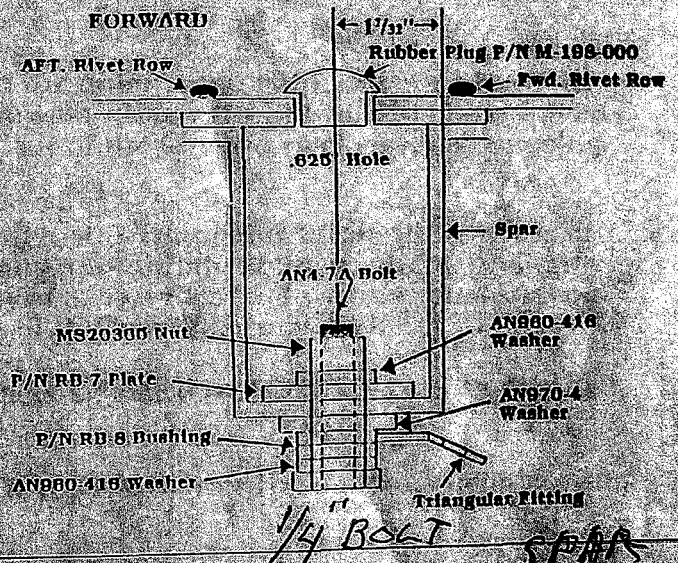
11.26  
11.25  
17.25  
39.76



DRAWING #2 TOP VIEW

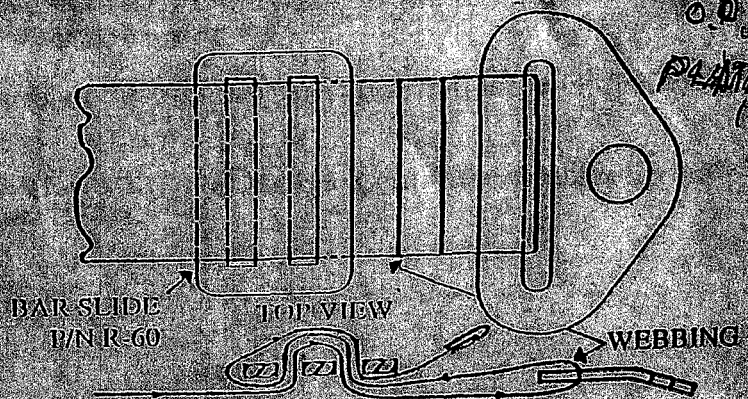


DRAWING #3 SIDE VIEW



DRAWING #4

Aero Fabricators hereby certifies that this seat belt assembly conforms to specifications outlined in FAA-150-6221 and NAS-802 if and only if the end fittings are attached in the configuration shown at the right:



**CESSNA 120-140 SERIES  
INSTRUCTIONS FOR INSTALLING SHOULDER HARNESS  
USING AERO FABRICATORS INC. KIT**

1. Gain access to the upper rear cabin carry through spar (rear wing attach spar) from inside of the aircraft, through the headliner material opening.
2. After opening head liner material you must locate the pilot point 11.25" from the left side (using cabin skin as a reference point). The co-pilot point is located 11.25" from the right side, again using cabin skin as reference point (see drawing #1).
3. On the center line of the spar, locate the position of the point found in step 2, .812" aft of the forward face of the spar. This will locate your mounting point on the center of the lower spar face.
4. Drill a .250" hole at this point.
5. Locate and drill a .625" hole in the outer cabin skin, directly above the first hole, centered between the spar attach rivet rows. This hole will be located approximately 1-7/32" aft of the forward rivet row, see drawing #3.
6. Puncture hole in head liner and install triangular fitting (RB-9), angle pointing down and forward using appropriate bolts, washers, bushings, nuts, plates per drawing #2 and #3. The AN970-4 washer, bushing and fitting will be in the cabin side of the headliner material.
7. Torque the bolt to 50-70 in-lbs as specified in AC43.13-1A, Chapter 5, Section I.
8. Cement the rubber plug (P/N M-198-000) over the outside opening, using 3M-1300L adhesive.
9. Install the shoulder harness P/N H-702-200 in the triangular fitting, using the 3 bar slide as per drawing #4.
10. Install seat belt assembly Model #90-91 per instructions included with the safety belt.
11. Make appropriate FAA form 337 and log book entry (each shoulder harness assembly weighs .75 lbs.)

# AERO FABRICATORS INC.

AP-25  
Pg 3 of 3  
3/30/98  
REV D

FAA CERTIFIED REPAIR STATION Q12R113L  
*Aviation Manufacturing Specialists*  
F.A.A. - P.M.A.

Lyons, WI 53148

## CESSNA 120-140 SERIES SHOULDER HARNESS INSTALLATION KIT PACKING LIST

- \_\_\_\_\_ 1-L699-165 Nut MS 20365-428
- \_\_\_\_\_ 2-L699-175 Washer AN 960-416
- \_\_\_\_\_ 1-L699-181 Washer AN 970-4
- \_\_\_\_\_ 1-L699-081 Bolt AN 4-7A
- \_\_\_\_\_ 1-M198-000 Plug, rubber
- \_\_\_\_\_ 1-4130 plate - .090 x 5/8 x 1-3/8" 12/N RB-7
- \_\_\_\_\_ Bushing - 3/8 x .058 x 1/8" long 4130 tube P/N RB-8
- \_\_\_\_\_ Triangular fitting RB-9
- \_\_\_\_\_ 1 - Aero Fabricators Shoulder Harness P/N H-702-200 with instruction sheet
- \_\_\_\_\_ 1 - Aero Fabricators Seatbelt Model #90-91 with instruction sheet
- \_\_\_\_\_ 1 - SIC #1129GL



# AERO FABRICATORS INC.

Lyons, Wisconsin 53148 •

Jan. 1990  
Revised Sept. '94

## INSTRUCTIONS FOR AIRCRAFT SAFETY BELTS SINGLE OCCUPANT MODELS #65-50, 89-82, 90-91, 65-51, 89-91, 89-81 AND DOUBLE OCCUPANCY MODEL 65-80

These aircraft safety belts are approved and may be installed in aircraft provided:

1. The end fittings in the aircraft are satisfactory. (Existing end fittings previously FAA approved for this aircraft are acceptable);
2. The end fitting slot is nominally two inches wide;
3. The replacement belt is the same type as that already installed, for example - a single lap belt;
4. The replacement belt is the same type as that already installed, for example - double lap belt;
5. The existing end fittings are not damaged;
6. 65-80, 65-50, 89-82, 89-92 Models, the tongue must be inserted in buckle with part number up.

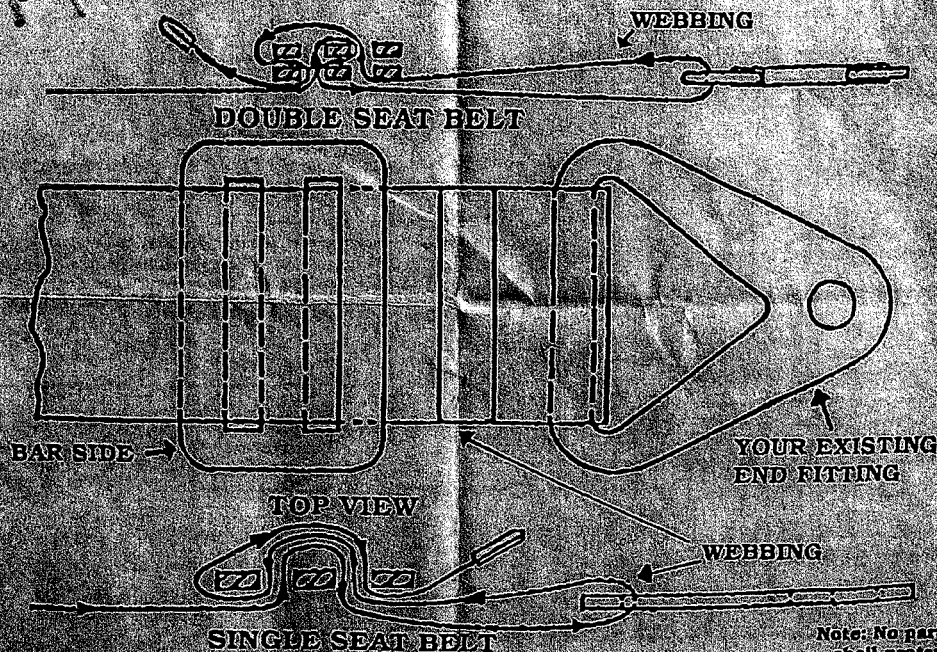
Replacement of safety belts is considered preventative maintenance according to Federal Aviation Regulation Part 43, Appendix A, and may be performed by a certificated pilot owner/operator or other persons authorized by FAR 43.3 The following or similarly worded entry must be made in the aircraft log in accordance with FAR 43.9 (a):

Installed \_\_\_\_\_ aircraft safety belts on previously approved end fittings.  
Manufacture model/part number \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Any questions concerning the suitability of previously approved fittings or installation should be referred to your nearest FAA Aircraft Certification Office.

Aero Fabricators hereby certifies that this seat belt assembly conforms to specifications outlined in FAA-TSO-C221 and NAS-802 if and only if the end fittings are attached in the configuration shown below:



Note: No part of the label shall protrude thru or touch the 3 bar side.