



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N93655	Serial No. 978	
	Make Engineering & Research Company (ERCO)	Model Ercoupe	Series 419-C
2. Owner	Name (As shown on registration certificate) Earl H Brosman	Address (As shown on registration certificate) Address 4447 S. Sherman Dr City Indianapolis State Indiana Zip 46237 Country USA	

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7

5/18/2012 *Daniel C. Fowler* 61-11
DATE SIGNATURE IND-PRDO
DANIEL C. FOWLER

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Jason C. Wright		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address 5820 W 850 N		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City Thorntown State Indiana		<input type="checkbox"/> Certificated Repair Station	
Zip 46071-9611 Country USA		<input type="checkbox"/> Certificated Maintenance Organization	Ap315903966IA

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Jason Wright</i> 5/9/2012
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	Inspection Authorization <input checked="" type="checkbox"/>	

Certificate or Designation No. AP315903966IA	Signature/Date of Authorized Individual <i>Jason Wright</i> 8/30/2012
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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.)

N93655

5-9-2012

Nationality and Registration Mark

Date

Installed shoulder harness attachment brackets and reinforcement angles fabricated from .050" 2024 T-3 aluminum to aft fuselage tail cone at frame "F". This installation duplicates two previous Field Approval FAA Form 337.

First; dated July 17, 1996, on an Erco Coupe 415C, N94196 S/N 1519, with the exception of using any FAA approved harness insted of the Hooker brand harness. Second; dated March 4, 2005, on an Erco Coupe 415C N3794H S/N 4419 with the exception of using any FAA approved harness instead of the Aircraft Spruce harness. Any FAA approved shoulder harness/seat belt may be used.

The installation drawings are attached, labeled "Shoulder Harness Installation In Erco Coupe N93655".

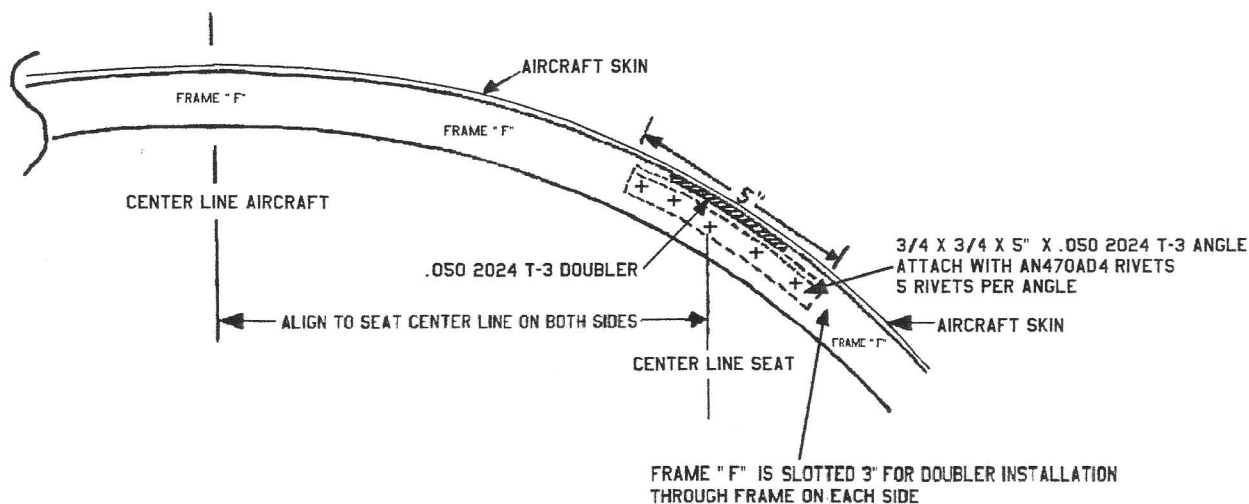
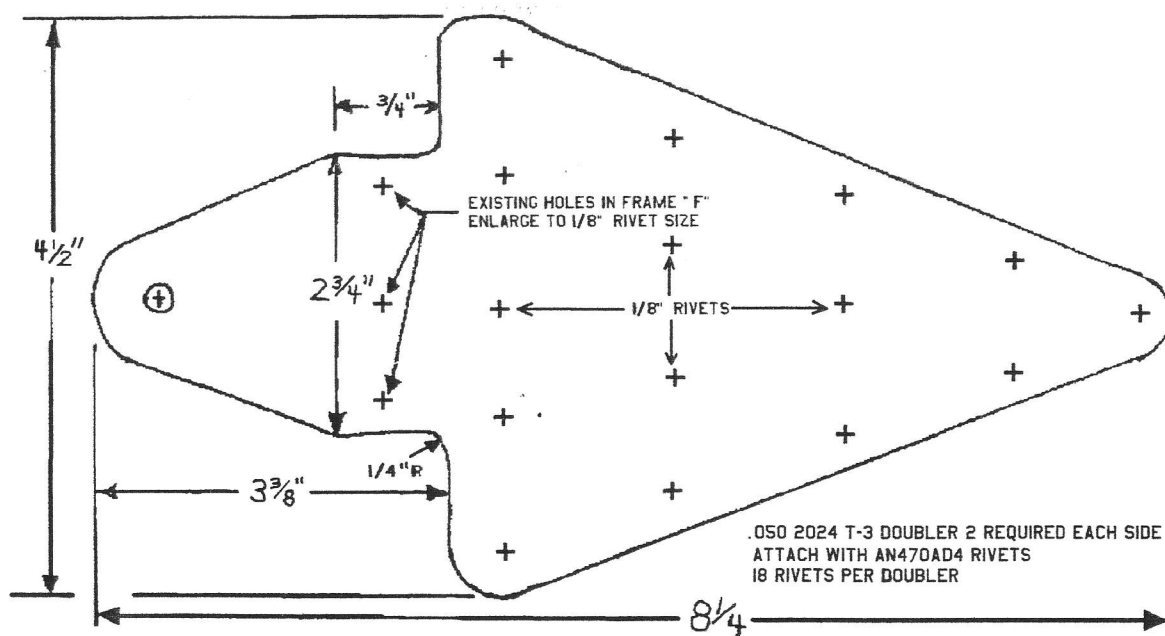
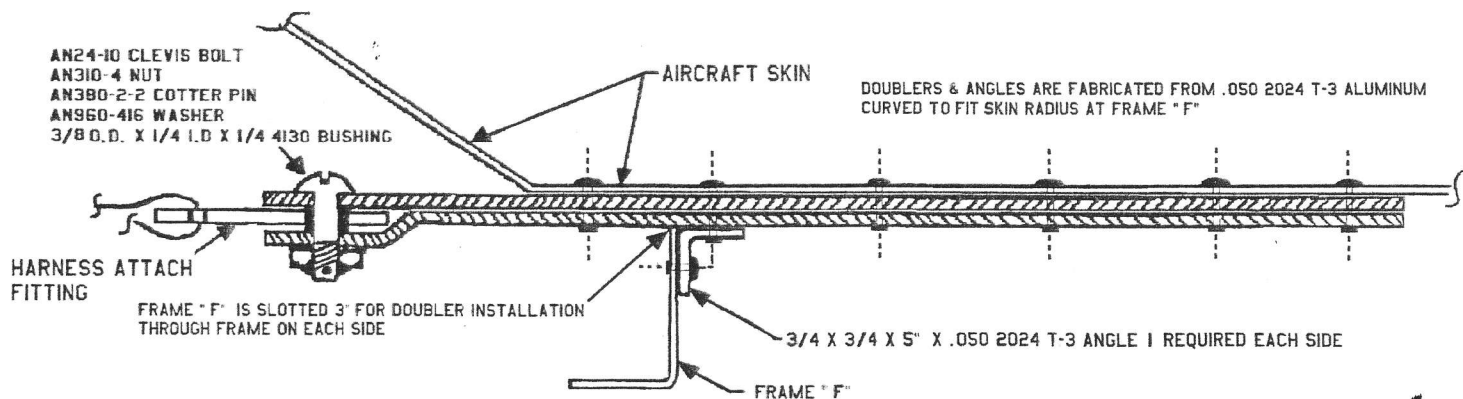
Work was accomplished IAW AC 46.13-1b, Chapter 4, Sections 3 & 4, and AC 43.13-2a, chapter9, sections 1,2,&3.

Aircraft was weighed and weight and balance updated in aircraft this date.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. Introduction: The original Erco model 415 design did not provide for occupant shoulder harness. This installation alteration enhances safety aspects for pilot and passenger by providing a shoulder restraint system when used in conjunction with existing seat belts.
2. Description: The restraint system is installed IAW the attached drawing: "Shoulder Harness Installation in Erocoupe N93655". This installation does not affect with any component or system in the aircraft.
3. Control, operation information: N/A
4. Service information: N/A
5. Maintenance instructions: Inspection intervals are concurrent with the aircraft inspection procedures.
6. Trouble shooting information: N/A
7. Removal and replacement information: Standard maintenance practices apply.
8. Diagrams: Installation drawing is attached.
9. Special inspection requirements: N/A
10. Application of special treatments: N/A
11. Data: Standard aircraft hardware and general torque specifications apply.
12. List of special tools: N/A
13. For commuter category aircraft: N/A
14. Recommended overhaul periods: N/A
15. Airworthiness limitations section: N/A
16. Revisions: Revision of these instructions shall be accomplished by submitting a letter to the local FSDO office with a copy of the revised FAA form 337 and revised instructions.

☒ Additional Sheets Are Attached



SHOULDER HARNESS INSTALLATION ERCOUPE 415C N93655