

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.)

ERCOUPE 415-C

S/N: [REDACTED]

Installed shoulder harness attachment brackets and reinforcement angles fabricated from .050" 2024 T-3 aluminum to aft fuselage tailcone at frame "F", with two Aircraft Spruce "Y" type shoulder harnesses, P/N 13-01200 and P/N 442878 end fittings. The webbing and fittings meet the criteria outlined in TSO C-22f. This installation duplicates a previous Field Approval FAA Form 337 dated July 17, 1996, on an Ercoupe 415C, [REDACTED], with the exception of using the Aircraft Spruce harness instead of the Hooker brand. The installation drawings are attached, labeled "Shoulder Harness Installation in Ercoupe [REDACTED]". Work was accomplished IAW AC 43.13-1B, Chapter 4, Sections 3 & 4, and AC 43.13-2A, Chapter 9, Sections 1, 2, & 3. Aircraft was weighed and weight and balance updated in aircraft records this date.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

- 1. Introduction:** The original Erco model 415 design did not provide for occupant shoulder harnesses. This installation alteration enhances safety aspect for pilot and passenger by providing a shoulder restraint system when used in conjunction with the existing seat belts.
- 2. Description:** The restraint system is installed IAW the attached drawing: "Shoulder Harness Installation in Ercoupe [REDACTED]". This installation does not affect with any component or system in the aircraft.
- 3. Control, operation information:** N/A
- 4. Servicing 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 as page 2.
- 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 sections:** 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.

TACH READS: [REDACTED]

TTAF: [REDACTED]

Eng. SMOH: [REDACTED]

ENGINE: [REDACTED]

END

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
6105

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 Engineering & Research Company (ERCO)	Model Ercoupe 415-C
	Serial No. [REDACTED]	Nationality and Registration Mark [REDACTED]
2. Owner	Name (As shown on registration certificate) [REDACTED]	Address (As shown on registration certificate) [REDACTED]
	[REDACTED]	[REDACTED]

3. For FAA Use Only

The [REDACTED] 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 43.7.
[Signature] 4-04-05 6105

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address [REDACTED]	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. [REDACTED]
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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.

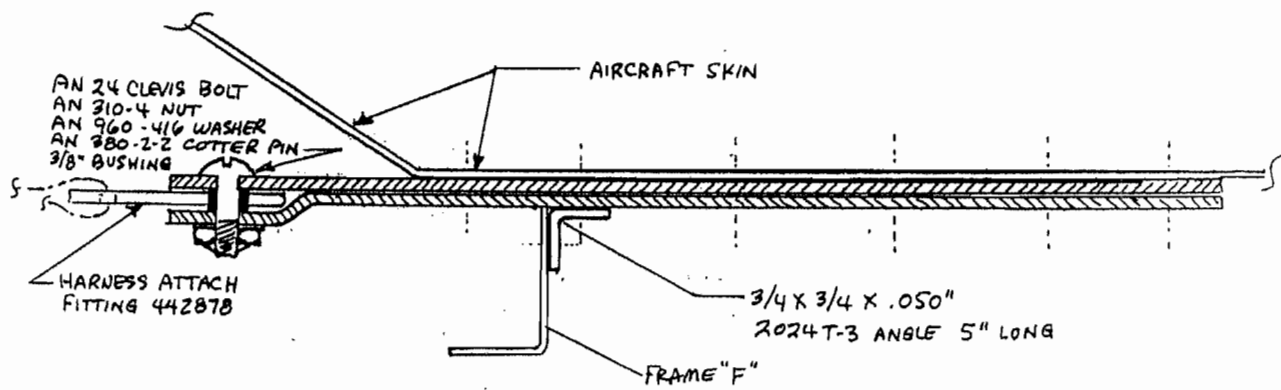
Date 4/04/2005	Signature of Authorized Individual [REDACTED]
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7. Approval for Return To Service

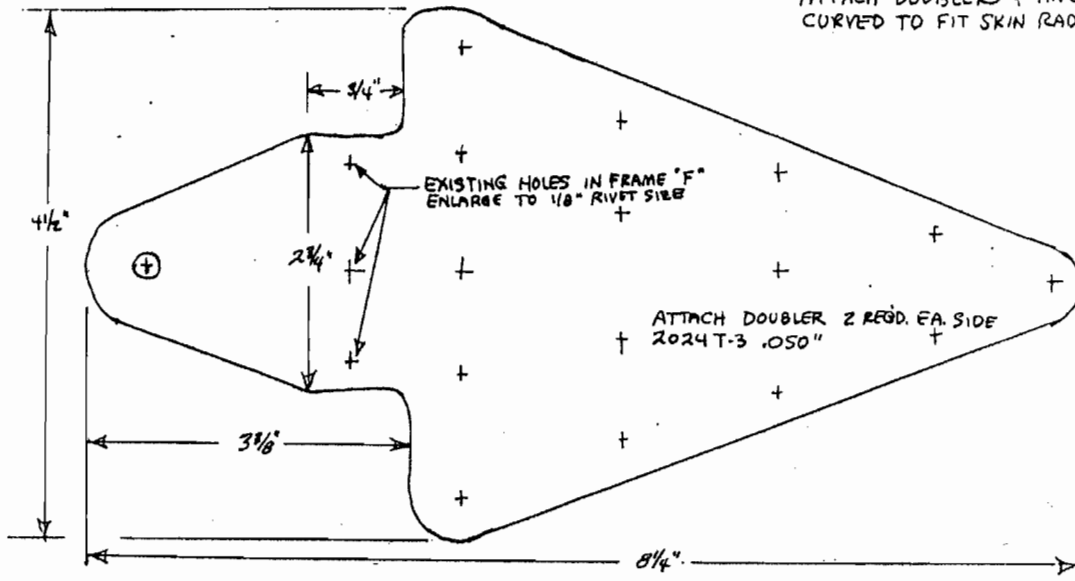
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	

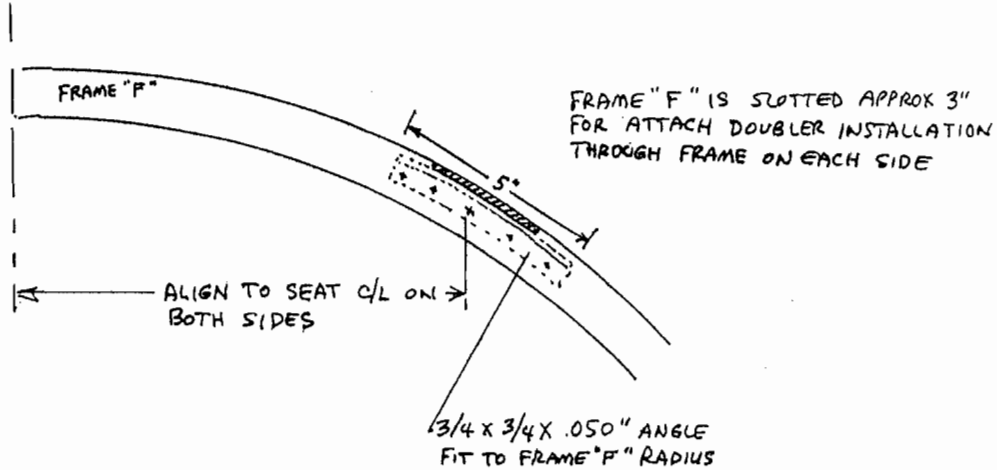
Date of Approval or Rejection 4/04/2005	Certificate or Designation No. AP1560191 I.A.	Signature of Authorized Individual [REDACTED]
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ATTACH DOUBLERS & ANGLES
 CURVED TO FIT SKIN RADIUS



C/L AIRCRAFT TOP



SHOULDER HARNESS INSTALLATION
 ERCOUPE 415CD

