

Shoulder Harness Brackets installations: by Chris Falconar © 1976

This mod is Canadian DOT approved for Ercoupe 415-D C-GSIX and has provided trouble free service for several hundred hours of flying over several years. The installations consists of a pair of brackets, approved drawing and aproval applicability letter. Purchasers must provide aircraft registration ident and serial number if approval applicability letter is desired. Assistance for FAA approval for U.S. customers (Engineering report, stress analysis, etc.) is available. In C-GSIX a pair of metal straps were made to extend forward to a pair of standard seat belts. One belt went over each shoulder, crossed over the chest and anchored to existing seat belt attachments. Each metal to metal attach buckle was located just above each hip. A variety of other installations arrangements can be made that use the basic bracket. Almost any other factory made aircraft shoulder strap assembly could be used, single or double. Some may prefer to use an automotive shoulder harness assembly. Trying to adapt the bulky heavy inertia reel will probably lead to disappointment and needless expense. Pick a simplier adjustable type from an earlier model car, circa 1970 - 75.

PLAN for installation and 2 brackets (undrilled) ----- \$55.00
 Approval letter on request.

03-479-3515 PHONE
(455-7443)

SHOULDER HARNESS ATTMT.

Chris B. Falconar
11343-104 Street
Edmonton, Alberta
Canada T5G 2K7

DWG. CBF 1031 ISS 2

ERCOUPE 415 D SN 1686

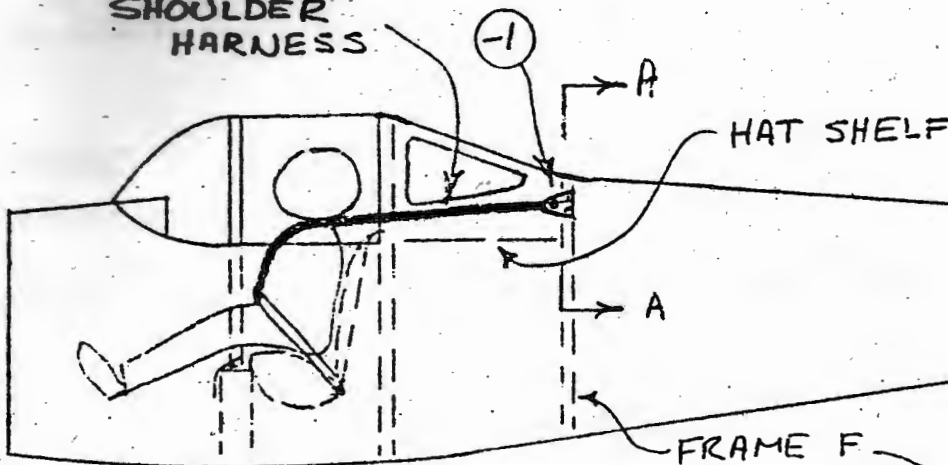
C-G-SIX

DEC 28, 1974

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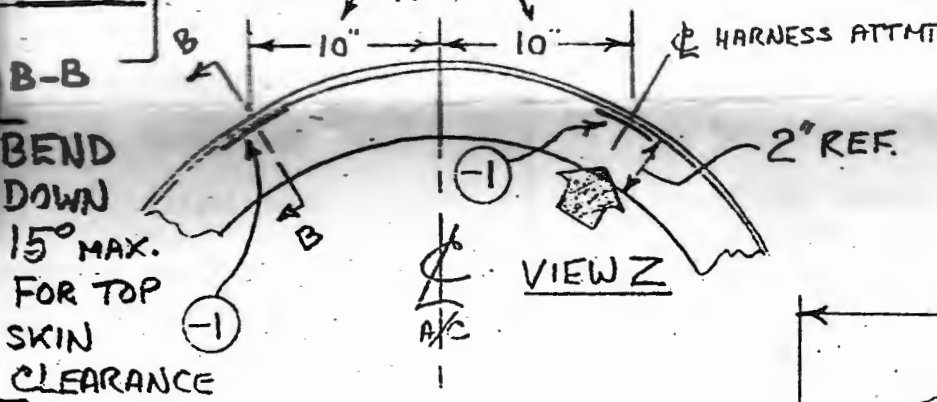
CANADA
DEPARTMENT OF TRANSPORT
AERONAUTICAL ENGINEERING
DIVISION
30 JUN 1975
APPROVED
BY *[Signature]*
APPROVAL No. 30 June 75
W75-212

SHOULDER HARNESS



REDUCE THESE DIMS TO 8" IF ORIGINAL 415C SLOPED PANEL STILL INSTALLED

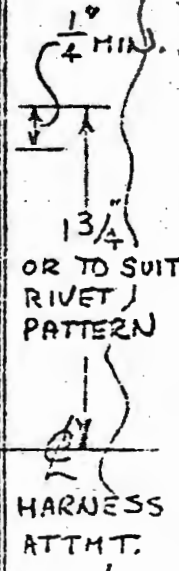
SKIN
.025"
2024T-3 REF



HOLE 1/4" OR TO SUIT HARNESS

R. 1/2"

BRKT.
SYM.



-1 BRACKET, HARNESS ATTMT.

.063' 2024T-3 MAKE 2

FINISH: ETCH, PRIME & PAINT OPTIONAL.

PICK UP 5 RIVETS AN 470 AD3-5 OR " 4-6

VIEW Z

APPROVAL OF AIRCRAFT MODIFICATION / ~~REPAIR / EQUIPMENT~~ 11 March, 1975.

APPLICANT:

Mr. C. B. Falconar,
11343 - 104 Street,
Edmonton, Alberta.
T5G 2K7

AIRCRAFT

OWNER: Mr. C. B. Falconar

AIRCRAFT MODEL: Erco 415D

DATE OF APPLICATION: 11 Feb 75

REG'N ELIGIBILITY: C-GSIX

MOT FILE: 40-75(WCAE)

APPROVED FOR INSTALLATION IN AIRCRAFT

Attachment brackets for shoulder harness.

APPLICABLE DRAWINGS

Sketch CBF 1031 (3 sheets)

REPORTS CURRENTLY ON FILE FOR
AIRCRAFT REG'N: C-GSIX

- .. Weight and Balance
- .. Electrical Load
- .. Flight Test

OTHER INFORMATION ON FILE PERTAINING
TO THIS APPROVAL:

- .. Engineering Report
- .. Manufacturer Data
- .. Flight Manual Supplement
- .. Compliance Statement
- .. DAR Form AE100
- ..

The Aeronautical Engineering Division has completed a review of the applicable drawings and related information. Approval has been granted for installation of the specified modification, repair and/or equipment, in eligible aircraft, according to approved drawings. For each installation, airworthiness certification in the aircraft technical log book must comply with the applicable provisions in the Engineering and Inspection Manual, Part I, Section 2.2. Also, for each aircraft modified, the owner/operator is held responsible to ensure that weight and balance amendments, electrical load reports (if applicable) and Form AI-101 inspection releases (certified only by qualified AME's) are forwarded in two copies to the Regional MOT office.

COMMENTS: Weight and Balance change due to this installation is negligible.


 .. Approved by MOT Regional Office. .. Confirmation of DAR ___ Approval

Approval No: W75-076

Date: 10 Mar 75

Code: —

Fee: —

Signature: 

(W. Bruce), P.Eng.,

for Regional Superintendent,
Aeronautical Engineering Division.