

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA2922NM

This certificate, issued to Cashmere Aviation, Inc.

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 * of the * Regulations.

Original Product — Type Certificate Number: * *See attached Master Eligibility List (MEL) Number SA2922NM for list of approved airplane models and applicable airworthiness regulations
 Make: *
 Model: *

Description of Type Design Change:

Modify Cessna fuel bladder cell quick drain, P/N 84C, in accordance with Cashmere Aviation, Inc. Drawing List No. 1, dated April 15, 1985.

NOTE: This quick drain is required by Cessna service information letter SE84-9, Rev. 1, dated November 16, 1984, which is referenced by Airworthiness Directive 84-10-01.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, SA2922NM and Master Eligibility List, shall be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: March 30, 1985

Date issued:

Date of issuance: May 1, 1985

Date accepted:



By direction of the Administrator

D. P. Riggan
 Acting (Signature)
 Manager, Seattle Aircraft
 Certification Office

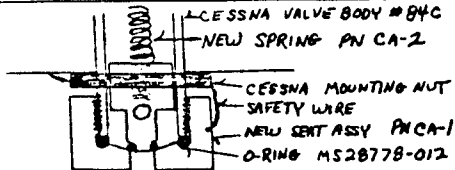
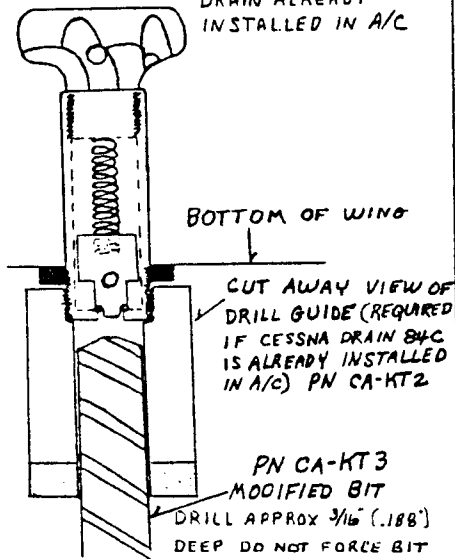
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$10,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FIG. A

DRAIN ALREADY
INSTALLED IN A/C



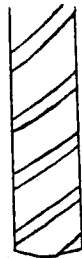
CUT AWAY VIEW WITH NEW SEAT INSTALLED

FIG. B

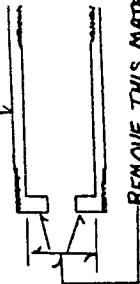
DRAIN NOT YET
INSTALLED.

VALVE AND INLET REMOVED

FROM BODY



REMOVE THIS MATERIAL



PART NO'S LIST

CA-1 = HEX NUT SEAT

CA-2 = 1" SPRING

MS-28778-012 = O-RING

CA-3 = COMPLETE SEAT ASSY

(CA-1, CA-2 + MS-28778-012)

MODIFICATION INSTA

DRAWING # CA-D2

BY: Doug STEWART

DATE: 3-15-85

CASHMERE AVIATION INC

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MODIFICATION AND INSTALLATION INSTRUCTIONS FOR CESSNA QUICK DRAIN #84C

1. Drain fuel from A/C fuel tank and purge tank according to approved shop practices.
 - 2a. If modifying a quick drain already installed in A/C refer to modification instructions CA-D2 Fig. A.
 1. CAUTION: Use only pneumatic tools for the following operations.
 2. Using the required drilling jig and modified drill bit, (Kit #CA-KT 1) * drill out the 3/16" drain hole in bottom of quick drain. As new hole is drilled end of bit will push quick drain valve up into valve body. Drill just deep enough to remove seat material. (Approx. 3/16" and do not force bit) When bit is removed the drain valve and spring should follow bit out of enlarged hole. NOTE: Drill shavings will possibly cause valve body to hang up in valve body bore. If valve does not come out after drilling 3/16" deep, remove drill guide and visually check. Drill slightly deeper if necessary.
 - 2b. If modifying a quick drain not yet installed in A/C refer to modification instructions CA-D2 Fig. B.
 1. Unscrew the cast aluminum inlet from cylindrical valve body.
 2. Remove quick drain valve and spring.
 3. With a .332 (Q) drill bit, drill out 3/16" drain hole from back side using valve body bore as a guide for bit. Replace cast aluminum inlet.
 3. If necessary replace o-ring on Cessna quick drain valve.
 4. Install new longer spring (PN CA-2) provided in kit and original valve into quick drain valve body.
 5. Make sure o-ring (MS-28778-012) is installed in hex seat. Screw new seat (PN CA-1) onto threaded end of valve body. (The 1/8" X 3/4" hex nut supplied by Cessna is not removed. This is still required as per Cessna mounting instructions) Torque to 10 inch lbs. and safety wire seat to the 1/8" X 3/4" Cessna mounting nut.
 6. Refill fuel tank and check for proper operation.
 7. Fill out 337 and enter in log book; Cessna quick drain #84C modified and new seat assembly PN CA-3 installed as per STC # SA 2922 NM.
- * We recommend lubricating the drill bit with paraffin or similar lubricant prior to drilling operation. This will improve the drilling operation and facilitate chip removal while drilling drain seat.

APPROVED William Mark
DATE 3-15-85
REVISION # _____