



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp. 5/31/2018

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 N2282D	Serial No. 20434		
	Make Cessna	Model 170	Series B	
2. Owner	Name (As shown on registration certificate) Charles Wayne Troutman		Address (As shown on registration certificate) Address 1394 SE Pilot Dr.	
			City Prineville	State OR
			Zip 97754	Country USA

3. For FAA Use Only

This approval coordinated with SEA ACO action stamp # 782-18-9937 dated 9/12/2018.

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

Signed: Charles Lloyd Wright Digitally signed by Charles Lloyd Wright
Date: 2018.09.14 09:10:58 -07'00'

NM-FSDO-09

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	Cessna	(As described in Item 1 above)	20434
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name Kyle Fosso
Address 4116 R Ave.
City Anacortes State WA
Zip 98221 Country USA

B. Kind of Agency

☒ U. S. Certificated Mechanic

☐ Foreign Certificated Mechanic

☐ Certificated Repair Station

☐ Certificated Maintenance Organization

Manufacturer

C. Certificate No.

3790199

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 ☐

Signature/Date of Authorized Individual

9-25-2018

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 Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	Inspection Authorization	Other (Specify)

Certificate or
Designation No.

3102250

Signature/Date of Authorized Individual

October 4, 2018

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.)

N2282D

Nationality and Registration Mark

Date

1. Remove original Cessna 170B wings.
2. Replace above Cessna 170B wings with 1958 Cessna 175 wings, using original 170B struts, flaps, and ailerons. Both wings are identical in all regards, including airfoil (NACA 2412), with the exception of a larger fuel tank and associated parts. The Cessna 175 wings each carry 26 gallons per side. The original Cessna 170B wings each carry 21 gallons per side. The gross weight of the Cessna 170B is 2,200 lbs, and the gross weight of the Cessna 175 is 2,350 lbs. Please reference prior 337 for 175 wings installed on 170B N2580D SN 20732 dated 1/26/1998 and the attached letter from Gary Peak. Please also reference Stene Aviation STC# SA01833SE Dated 5/5/2008.
3. Rig flaps and ailerons according to the 170B maintenance manual. All travels remain the same.
4. Install Left and Right UMA Electronic Fuel Quantity Indicator TSO'd PN 10-02392
5. Install McFarlane fuel sending units PN# MC0523557-1
6. Position aircraft in level flight attitude and drain tanks to establish useable fuel amount, and to calibrate sending units to read empty when useable fuel has been drained in accordance with CE-03-43R1 Dated 9-23-2003.
7. Install revised fuel quantity placards.
8. Revise section of Pilots Operating Handbook regarding fuel system, quantity, weight, and unusable fuel.
9. Maintain continued airworthiness by referring to Cessna 100 Series Service Manual D138-13-RAND-325-6/73 or a later revision.
10. The right hand Cessna 175 wing has a landing light installed. Reference AERODESIGN Aircraft engineering, inc. Report 7435-1 Rev. A dated 11-11-2008 Sheet 1-5.
11. Install Aero LED's and associated wiring in the right and left wing. Aero LED's are approved per STC# SA02386AK on both the 170B and 175 airplanes. Wiring in the right wing is identical to the left wing using 20AWG TEFZEL shielded wire. Each bulb draws a maximum of 3.5 amps. Installed 15 amp circuit breaker.
12. Instructions for continued airworthiness can be found in the Cessna 100 series service manual, and in Aero LED's installation guide 0003-0004 Rev.E page 1.
13. Aircraft to be re-weighted upon completion of scheduled work and a new weight and balance will be supplied at that time.

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☐ Additional Sheets Are Attached