

REPAIR AND ALTERATION FORM (AIRCRAFT, PROPELLERS, ENGINES, INSTRUMENTS)

INSTRUCTIONS - This form must be filled out in duplicate each time a major repair and/or alteration is made of an aircraft, propeller, engine, or instrument, as follows:

- (A) For an Aircraft - Complete items 1, 2, 3a, 4, 5, 6, and 7 and submit to CAA representative for approval.
- (B) For a Component Installed in an Aircraft - Complete items 1, 2, 3(b, c, or d, whichever is applicable), 4, 5, and 6, and submit as described in (A) above.
- (C) For a Spare Component - Complete items 3(b, c, or d), 5, and 6, and submit to CAA representative for approval. When approved, retain both copies of this form with the component until installation on an aircraft. At that time, items 1, 2, and 4 must be completed by the installing agency, which will then forward forms as described in (A) above.

1. AIRCRAFT	NAME Luscombe	MODEL 8A	SERIAL NO. 2976	CAA IDENTIFICATION MARK LC 71549
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2. OWNER	NAME (First, middle, last) Clinton Nielsen	ADDRESS (Street and number, city, zone, and state) Lexington, Nebraska
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3. FILL IN INFORMATION IN THIS ITEM ONLY FOR THE UNIT REPAIRED AND/OR ALTERED

UNIT	NAME	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
AIRCRAFT	(As described in item 1 above)				X
PROPELLER b. BLADE OR HUB					
c. ENGINE					
d. INSTRUMENT	TYPE AND MANUFACTURER				

The following items are to be completed by repair or alteration agency. However, in the case of a spare component, item 4 will not be completed until such component is installed in an aircraft. At this time, item 4 will be completed by the installing agency, if applicable.

4. AIRCRAFT	EMPTY WEIGHT (Pounds)* 704.1	EMPTY CENTER OF GRAVITY (Inches from datum)* 14.07	USEFUL LOAD (Pounds)* 495.9
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*AFTER the repairs and/or alterations described below were made.

5. KIND OF AGENCY WHICH MADE REPAIRS AND/OR ALTERATIONS (Check)	<input type="checkbox"/> MANUFACTURER <input type="checkbox"/> APPROVED REPAIR STATION NO. _____ (SPECIFY)	<input checked="" type="checkbox"/> CERTIFIED MECHANIC
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6. AGENCY	NAME Herchel Amrine	ADDRESS (Street and number, city, zone, and state) Lexington, Nebraska	DATE WORK ACCOMPLISHED 12-4-47
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7. DESCRIPTION OF WORK ACCOMPLISHED IN ACCORDANCE WITH PART 18 OF THE CIVIL AIR REGULATIONS AND ITS ASSOCIATED CIVIL AERONAUTICS MANUAL 18. (If more space is needed, continue on reverse, or attach separate sheets bearing aircraft identification mark)

Installed the Following Parts on Aircraft.

One pair Of Luscombe Wheel Fants & Brackets
One set of Grimes Navigation Lights
One Grimes Plug-In Landing Light on #9-Rib Left Wing.
One Landing 6V. Battery.

Weight & Balance Data on back of sheet.

CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

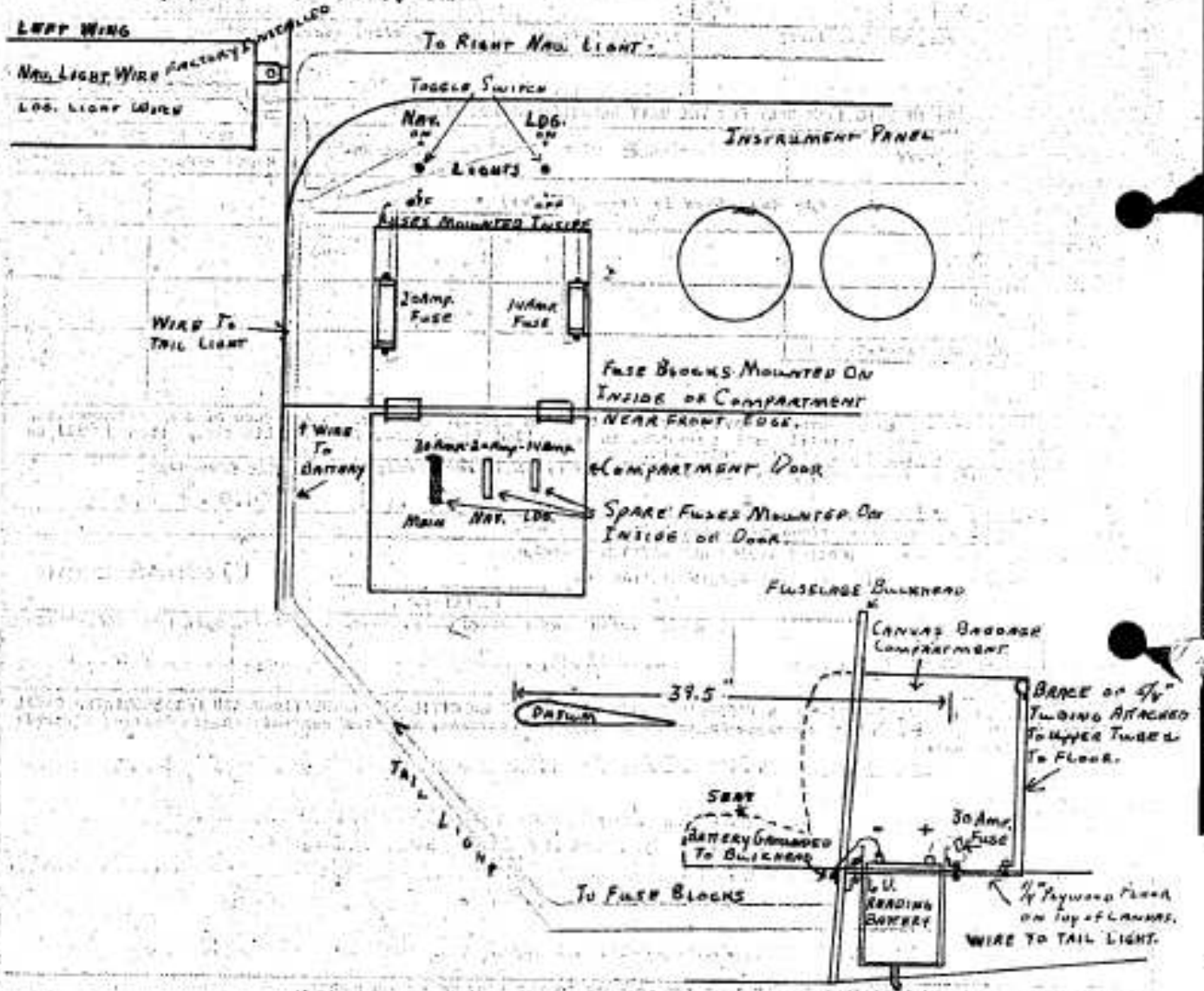
<i>Herchel E. Amrine</i>	A510010	12-4-47
SIGNATURE OF SUPERVISING MECHANIC	CERTIFICATE NUMBER AND RATING	DATE

TO BE COMPLETED BY CAA REPRESENTATIVES

<input checked="" type="checkbox"/> APPROVED	SIGNATURE OF DESIGNEE <i>A.F. Nienaber</i>	NUMBER 5326	DATE Dec. 12 1947
<input type="checkbox"/> REJECTED	SIGNATURE OF INSPECTOR <i>Robert Kirk</i>	<input checked="" type="checkbox"/> ACCEPTED	DATE
<input type="checkbox"/> FORWARDED FOR ENGINEERING APPROVAL		<input type="checkbox"/> REINSPECTED	12-15-47

	WT	ARM	Moment
Airplane Empty wt.	736.00	13.71	10,090.56
Wheel Pans & Brackets	10.0	2.81	28.10
Grimes Navigation Lights	2.1	20.00	40.2
Grimes Landing Light	2.0	20.00	40.00
Battery (Reading 6V)	12.0	39.5	474.00
Battery Box	2.0	39.5	74.00
	<u>764.1</u>		<u>10751.86</u>

$$\frac{10751.86}{764.1} = 14.07 \text{ ECG}$$



BATTERY BOX BOLTED AT FRONT TO ANGLE Γ ACROSS FUSELAGE BULKHEAD & BOLTED AT BACK TO REVERSE FLOOR.

WASHINGTON
MAIL ROOM
DEC 22 2 31 PM '17
DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMIN.