



Black Hawk Flying Club

N9292H/C172M

Airworthiness Certificate

The original airworthiness certificate is found in the airplane at all times.

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STANDARD AIRWORTHINESS CERTIFICATE			
1. NATIONALITY AND REGISTRATION MARKS N9292H	2. MANUFACTURER AND MODEL Cessna 172M	3. AIRCRAFT SERIAL NUMBER 17266072	4. CATEGORY Normal & Utility
5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. Exceptions: NONE			
6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked , or a termination order is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE 10-21-75	FAA REPRESENTATIVE By <i>[Signature]</i> G. M. Fager	DESIGNATION NUMBER PC4	
Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.			
FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362			

Registration Certificate

The original registration certificate is found in the airplane at all times.

REGISTRATION NOT TRANSFERABLE		
UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION		This certificate must be in the aircraft when operated.
NATIONALITY AND REGISTRATION MARKS N 9292H	AIRCRAFT SERIAL NO. 17266072	
MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT CESSNA 172M		
ICAO Aircraft Address Code: 53161077		
ISSUED TO	BLACKHAWK FLYING CLUB INC PO BOX 6508 ROCKFORD IL 61125-1508	This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.
	Corporation	
It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, and regulations issued thereunder.		
DATE OF ISSUE EXPIRATION DATE	September 22, 2011 September 30, 2014	<i>[Signature]</i> ADMINISTRATOR
U.S. Department of Transportation Federal Aviation Administration		
AC Form 8050-3 (10/2010) Supersedes previous editions		

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The plane is also registered in the state of Illinois.
The Illinois registration sticker is located near the tail.

STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF AERONAUTICS
2011/2013 AIRCRAFT CERTIFICATE OF REGISTRATION

ROBERT BRANSON BLACKHAWK FLYING CLUB BOX 6508 ROCKFORD, IL 61010	N-NUMBER: 9292H PRIME USE: OTHER TYPE: FIXED WING SINGLE ENGINE
MAKE: CESSNA MODEL: 172M SERIAL NUMBER 17266072	YR. MADE: 1975 CAPACITY: 4 TYPE ENGINE: RECIPROCATING NUMBER-ENGINES: 1 H. P.: 150
BASED AT: Chicago/Rockford International Airport OTHER STATE: STATE NUMBER: 6203	Susan R. Shea, Ph.D. Director, Division of Aeronautics

Expires: December 31, 2013

Radio Station License

After 1996, the FCC no longer requires a radio station license for domestic flights. If you are planning to travel outside the US, contact the club's board of directors for authorization and information on filing an application for a FCC radio station license.

Ref. FCC website www.fcc.gov

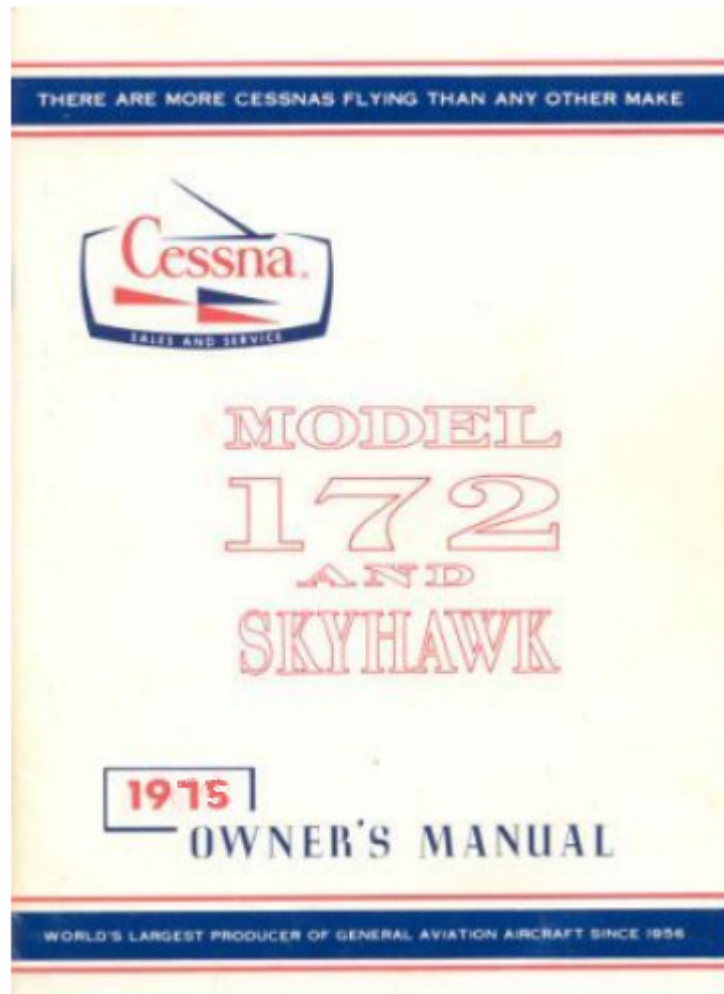
Black Hawk Flying Club



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Operating Limitations (POH)

A copy of the owner's manual is located in the plane at all times. All members are advised to purchase an owner's manual for their personal use. Owner's manuals can be purchased through Cessna by calling (316)517-5800.



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Weight & Balance

Members must verify empty weight and moment arm values located inside the airplane prior to take off. The values provided below are based on the weight and balance sheet dated 4/13/2012. Note: Empty weight includes oil.

Empty Weight: 1465.30 lbs

Fuel Moment Arm: 48 in

Moment Arm: 39.26 in

Pilot & Front Pass. Moment Arm: 36 in

Moment: 57.525lb-in/1000

Rear Passengers Moment Arm: 70 in

Useful Load: 834.70 lbs

Baggage Moment Arm: 95 in

Gross Weight: 2300 lbs

Max. Weight, Baggage Area: 120 lbs

Max. Weight of People & Baggage w/ Full Fuel: 637.4 lbs (Fuel Wt: 228 lbs)



Sheet 1

43W730 US Route 30
Aurora Airport
Sguar Grove, IL 60554
Repair Station NF2R029L



Phone 630.684.3200
Fax 630.466.4195
jaair.com

Computed Weight and Balance Form

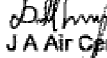
Customer	Blackhawk Flying Club	Work Order	467-02-2012	Date	13-Apr-12
Address 1	P.O. Box 6508	Aircraft Make	Cessna	Total Time	4558.90
Address 2		Aircraft Model	172M	Hobbs Time	
City	Rockford	Aircraft S/N	17286072	Landings	
State, Zip	IL, 61125	Reg Number	N9292H		
Phone					
Email					

Previous Basic Oper. Wt.	Previous W & B Date	Previous Gross Weight	Previous Useful Load	Previous Empty Weight	Previous CG	Previous Moment
	5/14/2003	2300.00	836.20	1463.80	39.26	57465.72

Installed Equipment						
Description	Part Number	Serial Number	Weight	Arm	Moment	
Pilot Secondary seat stop kit	SK210-174B		1.50	40.00	60.00	
			1.50		60.00	

Removed Equipment						
Description	Part Number	Serial Number	Weight	Arm	Moment	
				2.00		
			0.00		0.00	

NEW DATA						
Basic Oper. Wt.	Gross Weight	Useful Load	Empty WT	Net Change	C G	Moment
	2300.00	834.70	1465.30	1.50	39.26	57525.72

Approved By 
J A Air Center Inspector

F.A.A. Certified Repair Station Number
NF2R029L



CESSNA AIRCRAFT COMPANY
WICHITA, KANSAS, USA

MODEL 172M

1976

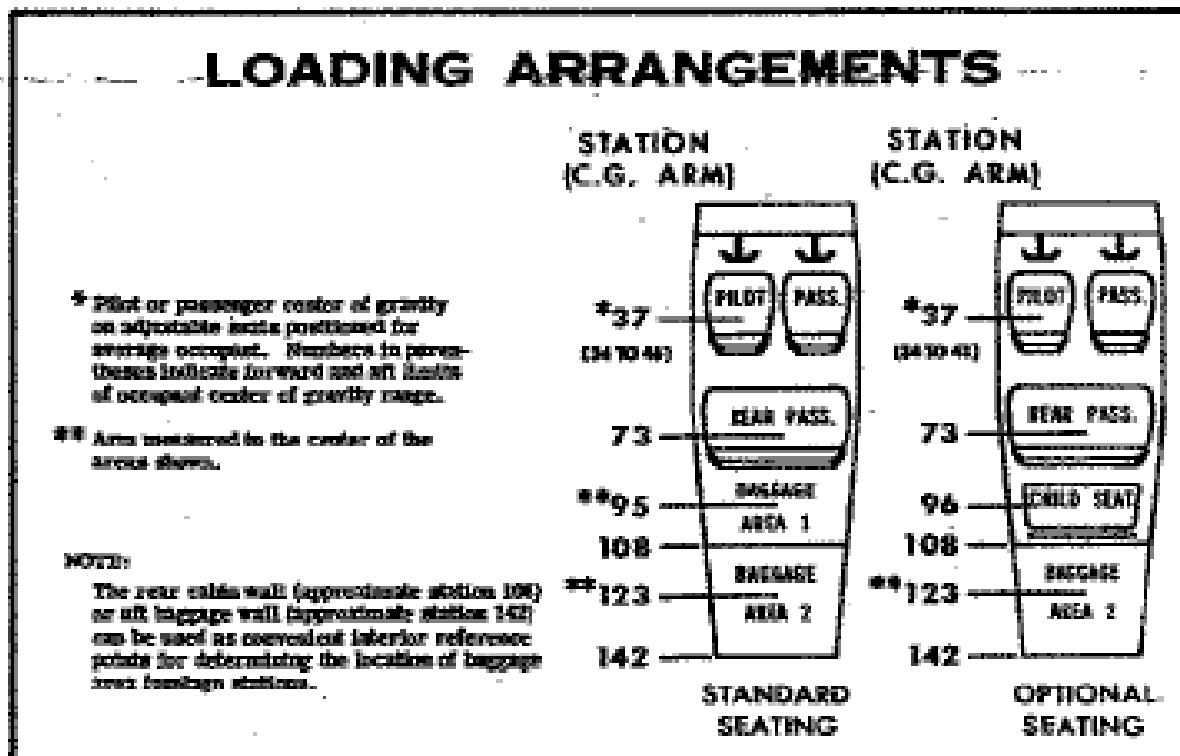
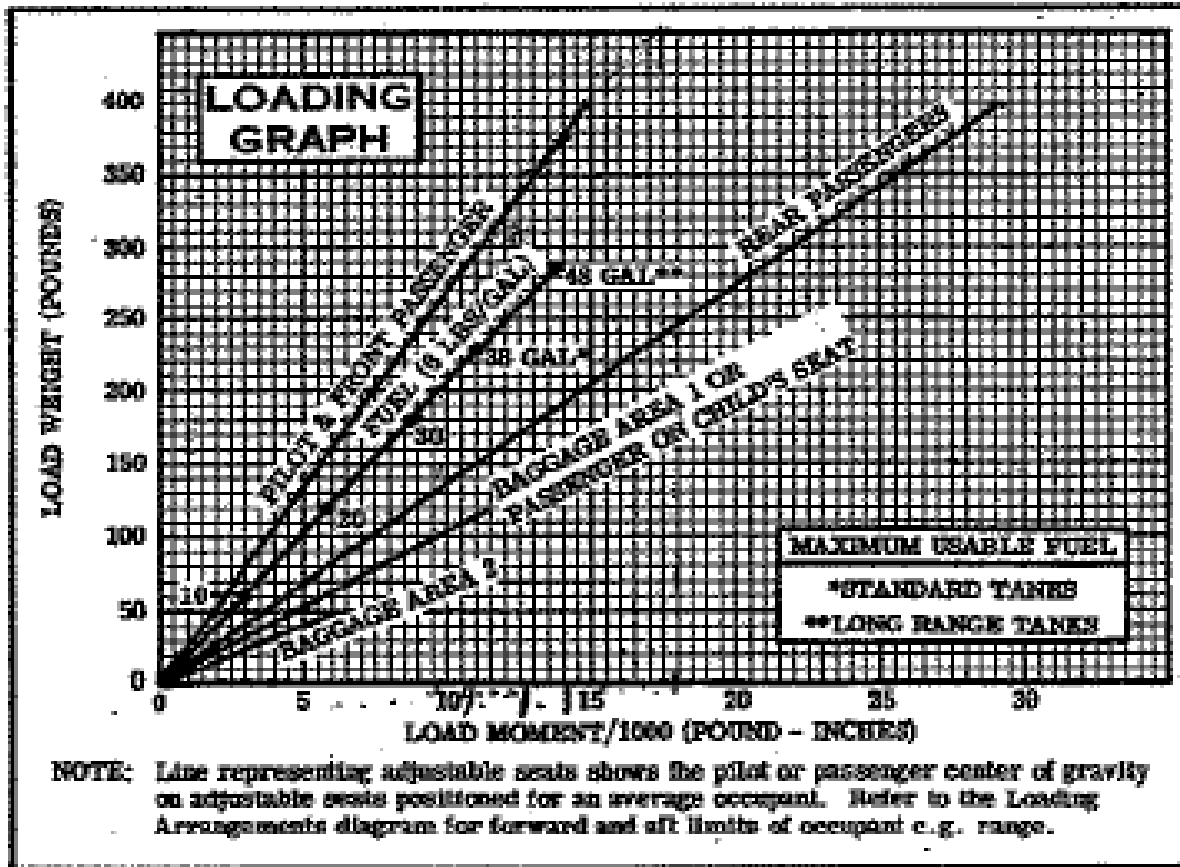
LOADING & CENTER OF GRAVITY CHARTS

IT IS THE RESPONSIBILITY OF THE OPERATOR TO ENSURE THAT THE AIRPLANE IS LOADED PROPERLY.

Using the empty weight, arm and moment of your airplane and the loading and center of gravity charts provided herein, proper loading of your airplane may be calculated.

The weight, arm and moment of your airplane as it left the factory may be found on the Weight and Balance and Installed Equipment Data sheet. (If alterations have been made to the airplane, refer to the airplane weight and balance records for the weight, arm and moment.)

The airplane weight and the moment divided by 1000 should be entered in the column titled YOUR AIRPLANE on the Sample Loading Problem. Use the Loading Arrangements and Loading Graph to determine the weight and moment of other items being loaded, and enter these on the Sample Problem. Complete the Sample Problem to determine the total weight and moment, then plot these values on the Center of Gravity Moment Envelope to confirm that the airplane CG can be computed from the total weight and moment, and the CG checked within limits on the Center of Gravity Limits chart.





SAMPLE LOADING PROBLEM (NORMAL CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1391	63.6		
2. Usable Fuel (At 8 Lbs./Gal.) Standard Tanks (38 Gal. Maximum)	238	10.9		
Long Range Tanks (48 Gal. Maximum)				
3. Pilot and Front Passenger (Station 34 to 40)	340	12.6		
4. Rear Passengers	340	24.8		
5. ^a Baggage Area 1 or Passenger on Child's Seat (Station 82 to 101, 120 Lbs. Max.)	11	1.0		
6. ^a Baggage Area 2 (Station 100 to 142, 50 Lbs. Max.)				
7. TOTAL WEIGHT AND MOMENT	2360	102.9		
<p>5. Locate this point (2360 at 102.9) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.</p> <p style="text-align: center;">NOTE</p> <p>^a The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 lbs.</p>				

SAMPLE LOADING PROBLEM (UTILITY CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1381	63.5		
2. Usable Fuel (At 8 Lbs./Gal.) Standard Tanks (38 Gal. Maximum)	238	10.9		
Long Range Tanks (48 Gal. Maximum)				
3. Pilot and Front Passenger (Station 34 to 40)	340	12.6		
4. TOTAL WEIGHT AND MOMENT	1949	77.1		
<p>5. Locate this point (1949 at 77.1) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.</p>				

