

EQUIPMENT CHANGE - WEIGHT & BALANCE



REG. NO.	MODEL	Serial No.	
N8448U	172	17252348	
Items: (Description / P/N / S/N)	Weight Pounds	Arm Inches	Moments Inch/Pounds
Previous Aircraft Empty Weight:	1433.09	3674.1	5265311.99

			0
			0
			0
Removed Nose Wheel Pant	-3	-7	0.021
Removed Main Wheel Pants	-10	58	-0.174
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
Totals	1420.09		5265311.837

A. Old Empty Weight	1433.09 Pounds
B. Old Empty CG	3674.1 Inches
C. Old Empty Weight CG Moment	5265312 Inch/Pounds
D. Max Gross Weight	2,300 Pounds
E. Old Useful Load	867 Pounds

A. New Empty Weight	1420.09 Pounds
B. New Empty CG	3707731 Inches
C. New Empty Weight CG Moment	5265312 Inch/Pounds
D. Max Gross Weight	2300 Pounds
E. New Useful Load	879.91 Pounds

This new weight & balance information supersedes all previous weight and balance data. For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

FAA Form 337 Completed? YES NO
 Equipment List Amended? YES NO

Signature: Ben Werthwein

A&P#: 2709574 Date: 2/6/2025

Notes:

WEIGHT AND BALANCE.

The following information will enable you to operate your Cessna within the prescribed weight and center of gravity limitations. To figure the weight and balance for your particular airplane, use the Sample Problem, Loading Graph, and Center of Gravity Moment Envelope as follows:

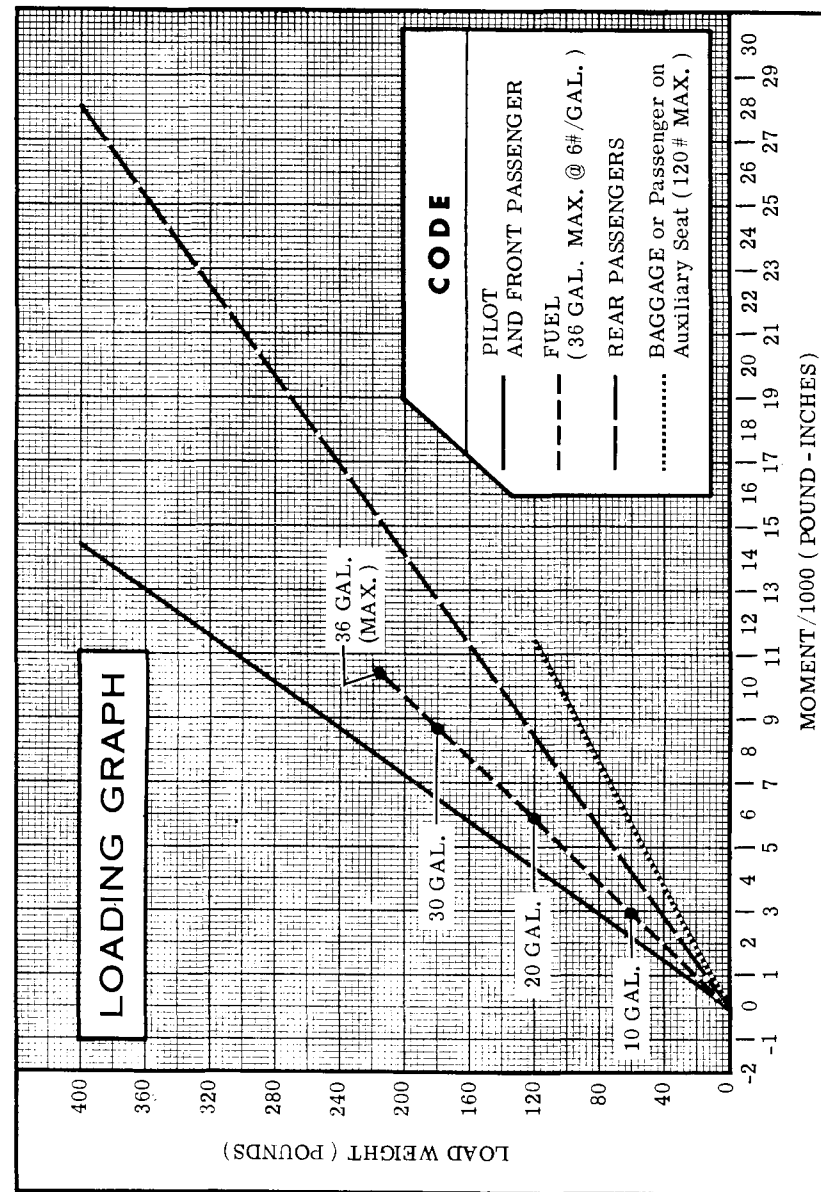
Take the licensed Empty Weight and Moment/1000 from the Weight and Balance Data sheet, plus any changes noted on forms FAA-337, carried in your airplane, and write them down in the proper columns. Using the Loading Graph, determine the moment/1000 of each item to be carried. Total the weights and moments/1000 and use the Center of Gravity Moment Envelope to determine whether the point falls within the envelope, and if the loading is acceptable.

P I L O T

SAMPLE LOADING PROBLEM	Sample Airplane		Your Airplane	
	Weight (lbs)	Moment (lb. ins. /1000)	Weight	Moment
1. Licensed Empty Weight (Sample Airplane) ...	1324	48.2	FI 000	1000
2. Oil - 8 Qts.*	15	-0.3		
3. Pilot & Front Passenger	340	12.2		
4. Fuel (36 Gal at 6#/Gal)	216	10.4		
5. Rear Passengers	340	23.8		
6. Baggage (or Passenger on Auxiliary Seat)	65	6.2		
7. Total Aircraft Weight (Loaded)	2300	100.5		

8. Locate this point (2300 at 100.5) on the center of gravity envelope, and since this point falls within the envelope the loading is acceptable.

*Note: Normally full oil may be assumed for all flights.



Section IV

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CARE OF THE AIRPLANE

If your airplane is to retain that new plane performance and dependability, certain inspection and maintenance requirements must be followed. It is wise to follow a planned schedule of lubrication and preventative maintenance based on climatic and flying conditions encountered in your locality.

Keep in touch with your Cessna Dealer and take advantage of his knowledge and experience. He knows your airplane and how to maintain it. He will remind you when lubrications and oil changes are necessary, and about other seasonal and periodic services.

GROUND HANDLING.

The airplane is most easily and safely maneuvered by hand with the tow-bar attached to the nosewheel.

NOTE

When using the tow-bar, never exceed the turning angle of 30°, either side of center, or damage to the gear will result.

MOORING YOUR AIRPLANE.

Proper tie-down procedure is your best precaution against damage to your parked airplane by gusty or strong winds. To tie-down your airplane securely, proceed as follows:

- (1) Set the parking brake and install the control wheel lock.
- (2) Tie sufficiently strong ropes or chains (700 pounds tensile strength) to wing, tail, and nose tie-down fittings and secure each rope to a ramp tie-down.

