



# N20155 CESSNA 172M Airworthiness Checklist

Completed by: \_\_\_\_\_ Date: \_\_/\_\_/20\_\_

Hobbs out: \_\_\_\_\_ Hobbs in: \_\_\_\_\_ Tach out: \_\_\_\_\_ Tach in: \_\_\_\_\_

Instructions: This sheet is to be completed before every flight. Ensure each item is checked off if acceptable or crossed out if not required. Leave items unchecked if you are unsure and ask your instructor when they become available. Circle unsatisfactory items for review with your instructor. Refer to Flight Circle for current aircraft squawks and the maintenance records for maintenance information

### Aircraft Documents

- Airworthiness certificate
- Registration certificate  
Last renewed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- Radio station license (if flying internationally)
- Owner's manual/operating handbook
- Weight & balance sheet  
Last updated: \_\_/\_\_/20\_\_

### Aircraft Inspections

- Annual inspection: 12 calendar months (airframe, engine, propeller)  
Last completed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- VOR receiver check: 30 days if IFR and primary means of navigation  
Last completed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- 100-hour: 100 hours - previous overrun  
Tach time at last 100 hour: \_\_\_\_\_  
Time remaining: \_\_\_\_\_
- ADs complied with
- Altimeter, pitot, static: 24 calendar months if IFR  
Last completed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- Transponder: 24 calendar months if transponder is used  
Last completed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- ELT  
Battery replacement: 1 hour of cumulative use or 50% life  
Expires: \_\_/\_\_/20\_\_  
Inspection: 12 calendar months  
Last completed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- 50 hour oil change  
Tach time at last 100 hour: \_\_\_\_\_  
Time remaining: \_\_\_\_\_

### Pilot Documents

- Pilot certificate
- Valid medical certificate  
Last renewed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- Valid photo ID  
Last renewed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_
- Radio operator license (if flying internationally)
- Renter's Insurance  
Last renewed: \_\_/\_\_/20\_\_ Expires: \_\_/\_\_/20\_\_

### Pilot Self Assessment

- Illness: even a minor cold or seasonal allergies will impact judgement
- Medications: FAA approved? No distracting/dangerous side effects?
- Stress: low and well managed? **Do not fly if in doubt**
- Alcohol: > 8 hours (Greenville Aviation policy: 12), < 0.04% BAL, **not under the influence**
- Fatigue: **do not fly if in doubt**, hours of sleep last night: \_\_\_\_\_. Safe?
- Emotion: also impacts judgement; do not fly if unstable
- Eating/hydration: well fed and hydrated?

### Squawks and Inop Equipment

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### Inoperative equipment checklist

- Equipment not required by §91.205, POH, or ADs
- Deactivated or removed with "inop" placard
- PIC determination the inop equipment does not interfere with flight safety



# N20155 CESSNA 172M Weight & Balance

Last Revised: 3/2/2022

Weight (lbs) x Arm (inches) = Moment (in-lbs)

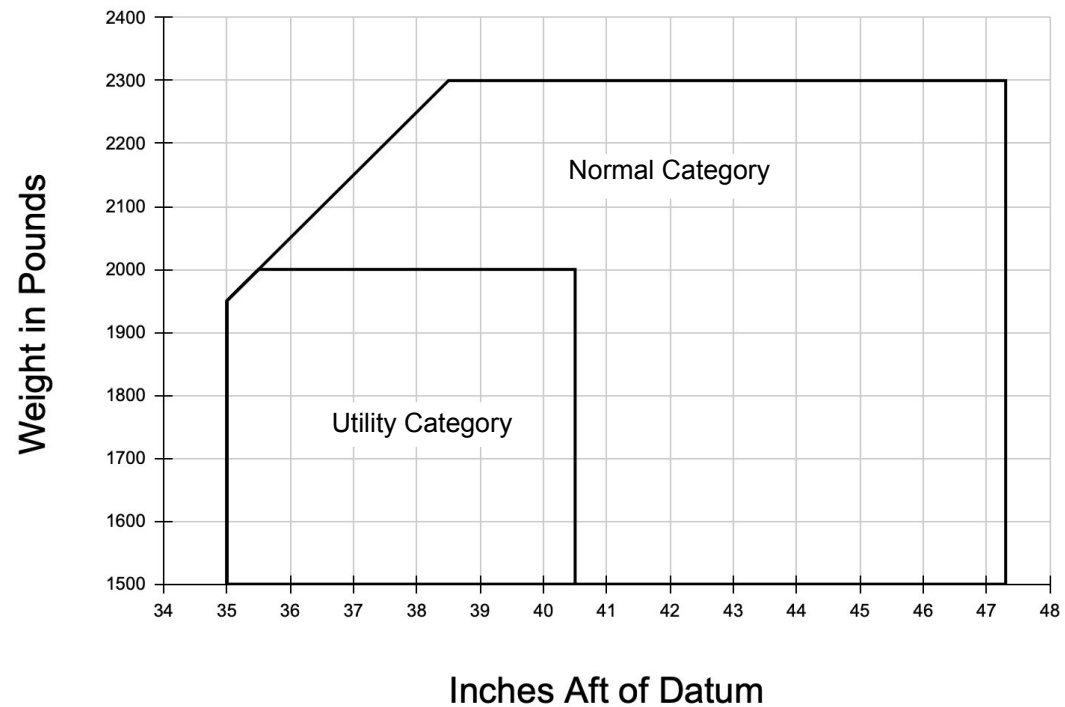
Aircraft Empty Weight	1417	36.72	52032.24
Oil (15lb max)		-13.33333333	
Front Seat Occupants (34-46)		40	
Rear Seat Occupants		73	
Baggage (120lb max)		95	
Zero Fuel Weight and CG		CG =	
+ Usable Fuel (228lb max)		47.9	
Full Fuel Weight		CG =	
- Fuel Used		47.9	
Takeoff Weight		CG =	
- Fuel Used		47.9	
Landing Weight		CG =	

## Conversions and Equations

Weight x Arm = Moment  
 Total Moment / Total Weight = CG  
 Cruise gal/hour x Fuel Remaining = Endurance

Fuel Weight = ~6 lbs/gal  
 Oil Weight = ~1.875 lbs/quart

## C.G. Range and Weight



## Aircraft Performance

Departure Takeoff Distance to Clear 50 ft Obstacle	
Destination Takeoff Distance to Clear 50 ft Obstacle	
Cruise % Horsepower	
Cruise Gal/Hour	
Endurance at Top of Climb (Hours)	
Glide Range at Cruising Altitude of ft	
Departure Landing Distance to Clear 50 ft Obstacle	
Destination Landing Distance to Clear 50 ft Obstacle	