

# Flying Clubs of America

13000 E. Control Tower Rd, Unit K-16  
Englewood, CO 80112  
Tel: 303-799-6794



## Aircraft and POH Checkout Quiz

Note: The privilege of flying aircraft at any Flying Clubs of America (THE CLUB) location requires a thorough “check out” for everyone. As a member or instructor, you are to know the aircraft, which means the performance, operational, and operating characteristics of said aircraft, which comes from a thorough knowledge of the POH.

This Quiz will begin to address the minimum knowledge required to safely operate the aircraft. THE CLUB member is to complete this form with his/her flight instructor. This Quiz becomes part of your aircraft file at THE CLUB.

An Instructor desiring teaching privileges in any aircraft must complete a CHECKOUT QUIZ prior to teaching in this or any other aircraft at THE CLUB, even if he/she has flown as a member in the past in said aircraft.

Instructors are to plan on 2.5 to 3 hours time with the Chief Pilot (or his designee) for reviewing, discussing the operating characteristics related to the safe operation, and flying in this aircraft.

This form will become a permanent record for this singular-aircraft checkout for Members and Instructors at THE CLUB.

**Aircraft Type** \_\_\_\_\_ **Aircraft N#** \_\_\_\_\_

### POH Knowledge GENERAL

1. What is the chapter sequence (section titles) in the POH?

- \_\_\_\_\_
- In which Chapter and on what page is the tire pressure found?  
(mains: \_\_\_psi) (nose: \_\_\_psi) If applicable: (tail-wheel: \_\_\_\_\_)
  - What is **this** airplane’s empty weight, arm, and moment?
    - Empty wt. is: \_\_\_\_\_, Arm is: \_\_\_\_\_ Moment is: \_\_\_\_\_
    - Are the moments divided by 1000 or 100?
  - Do this weight and balance problem for the airplane you are checking out in.
    - Using the example in the POH, add 25 lbs. each of front-seat-passengers weight.
    - Subtract 1/3 of the fuel load used in the example.
    - Use the “conditions” set forth in the example to complete this new Wt./Bal.
    - Should this airplane be flown under the new weight and balance numbers?  
Explain: \_\_\_\_\_  
NOTE: show the calculations on another sheet of paper
  - What was the empty wt. used for the **example** in the POH? \_\_\_\_\_
  - What is the current (present day) empty wt. and the date the weight was determined?  
\_\_\_\_\_ weight date: \_\_\_\_\_
  - How does this **Example** Wt. correlate to the present-day Empty weight for the aircraft?  
\_\_\_\_\_ lbs. (more) (Less). What caused the difference in weight? \_\_\_\_\_

2. For this aircraft does the POH have to be on board? If the POH is required to be on board, where is it to be located? \_\_\_\_\_

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### 3. Determine the completeness of the POH.

- a. What is the reasoning for the POH to be complete? (Wt. and balance)
- b. Are all the pages in each section of the POH?
- c. Are the pages secure in the POH, meaning do they fall out or not?
- d. Is the POH binder in good condition (this means is it containing the paperwork within?)

3. Discuss on the back of this sheet of paper (or on a separate sheet of paper) how the intercom operates for the following:

- i. Between pilot and instructor
- ii. Between Pax's and pilot(s)
- iii. Split operation, such as pilot talking to ATC and Instructor talking to AFSS
- iv. Other operations –stereo, telephone, volume control, squelch control

### Aircraft V Speeds

Please list speeds in KTS, appropriate to the aircraft. (note: some older airplane airspeed indicators are in MPH, in that case list the MPH)

- |               |       |                      |                           |
|---------------|-------|----------------------|---------------------------|
| 1. Best Glide | _____ | 7. $V_{LE}$          | _____                     |
| 2. $V_X$      | _____ | 8. $V_A$             | _____                     |
| 3. $V_Y$      | _____ | 9. $V_{NE}$          | _____                     |
| 4. $V_{SO}$   | _____ | 10. Approach to Land | _____                     |
| 5. $V_S$      | _____ | 11. $V_{MC}$         | _____ (multi engine only) |
| 6. $V_{FE}$   | _____ | 12. $V_{YSE}$        | _____ (multi engine only) |

### Aircraft Limitations

1. What is the min & max quantity of oil required prior to flight? Min \_\_\_\_\_ Max \_\_\_\_\_
  - i. Identify page by number and chapter: \_\_\_\_\_
  - ii. Does THE CLUB have operating standards for this airplane?  
\_\_\_\_\_
2. Total fuel Capacity \_\_\_\_\_ Total useable fuel \_\_\_\_\_
3. Where, and how many fuel sumps, are to be drained? \_\_\_\_\_
4. What is done with the fuel collected? (Note: Answer may relate to environmental state law.)
  - a. At my CLUB location we: \_\_\_\_\_.
5. What is the useful load of this aircraft? \_\_\_\_\_
6. What is the payload of the aircraft with full fuel? \_\_\_\_\_
7. What is the maximum allowable weight that can be carried in the baggage compartments?
  - a. Front \_\_\_\_\_ lbs.

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- b. Rear \_\_\_\_\_ lbs.
- c. Other \_\_\_\_\_ lbs.

## Performance

1. What is the POH value for the TAS at 9,000 ft. MSL and 65% power? \_\_\_\_\_
2. What RPM or combination of RPM & Manifold Pressure yields 65% power at 9,000 ft. MSL?  
\_\_\_\_\_ N/A \_\_\_\_\_ RPM \_\_\_\_\_ MP
3. How many gallons of fuel are used per hour at 65% power at 9,000 ft. MSL? \_\_\_\_\_
4. With a full fuel load at 75% power at 9,000 ft. MSL, allowing for 45 mins reserve, what is the maximum endurance? \_\_\_\_\_ Hrs.
5. How does the manufacturer specify mixture setting for best economy? NOTE: Identify section/chapter and page number: \_\_\_\_\_  
\_\_\_\_\_
6. What take-off distance is required to clear a 50-ft. obstacle at max take-off weight, density altitude of 9,000 ft. and a temperature of 85°F (no wind, paved surface)? \_\_\_\_\_ Ft
7. In Question #6, the takeoff distance increased \_\_\_\_\_% and the rate of climb was reduced by as much as \_\_\_\_\_%. HINT: Use FAA-P-8740-2\*AFS-8(2008).
8. Would high humidity increase or decrease this distance (explain how and why)? \_\_\_\_\_  
\_\_\_\_\_
9. (Multi-engine only) In the event of an engine failure, can all onboard fuel be fed to the running engine? If yes, explain how. \_\_\_\_\_
10. Complete the weight & balance form (TOLD Sheet), as specified by your instructor when density altitude is 9600 feet, at KAPA. Note use RWY 10 as your departure runway.

## Flight Planning

1. Your Airport-Radio Frequency for opening and closing VFR flight Plans:  
\_\_\_\_\_ (Hint: Chart Supplement) Note: FSS is incorrect answer!
2. Practice Area Frequency: \_\_\_\_\_
3. While in flight, what frequency is a pilot to use to determine the weather at a destination airport?  
\_\_\_\_\_
4. What is/are the App/Dep frequency (ies) to get flight following in your area? Make this specific to the airspaces under, and within which you may operate at your location. \_\_\_\_\_

## Additional Facts About This Airplane

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1. List the Equipment in the airplane that must have a PILOTS USER GUIDE.
  - a. Which one (s) is/are missing? \_\_\_\_\_
  
2. Does this airplane have a LYNX Transponder? (yes) (no)
  - a. What is the usable range (scale) on the LYNX transponder? \_\_\_\_\_
  - b. Does this LYNX equipment include ADS-B? \_\_\_\_\_
  
3. Does this airplane have a FUEL TOTALIZER? \_\_\_\_\_ (make)
  - a. How does it work? \_\_\_\_\_
  - b. How is fuel quantity reset after the airplane is refueled? \_\_\_\_\_
  - c. Does this airplane have more than one way to determine fuel quantity, such as, a fuel totalize, a stick, or gages? Which is to be used if there is more than one fuel quantity indicator?  
\_\_\_\_\_

=====

Print Name \_\_\_\_\_ Signature \_\_\_\_\_

Date \_\_\_\_\_

I have checked this quiz and reviewed with the pilot the questions that were answered incorrectly. With the satisfactory completion of a flight check and this quiz, I find this pilot competent to fly this aircraft.

CFI Name (print) \_\_\_\_\_ Signature \_\_\_\_\_

CFI Number \_\_\_\_\_ CFI Expiration \_\_\_\_\_