



Name: \_\_\_\_\_

CFI: \_\_\_\_\_

Date: \_\_\_\_\_ Aircraft: \_\_\_\_\_

## AIRCRAFT CHECKOUT FORM

*All aircraft documents may be used for this checkout. This form is to be used as an aid in reviewing fundamental specification, mechanical systems and procedures of the aircraft being flown. All questions may not be applicable to all aircraft. Utilize all available aircraft documents to aid in this review including Owner's Manual, Pilot's Operating Handbook, placards and marking.*

1. What is the total fuel capacity?

\_\_\_\_\_

2. How many fuel tanks are there?

\_\_\_\_\_

3. What is the capacity of each fuel tank?

\_\_\_\_\_

4. What is the total usable fuel capacity?

\_\_\_\_\_

5. What is the correct fuel grade?

\_\_\_\_\_

6. What is the correct fuel color?

\_\_\_\_\_

7. Where are the fuel drains located?

\_\_\_\_\_

8. When are the fuel tanks drained?

\_\_\_\_\_

9. What is the recommended grade of oil?

\_\_\_\_\_

10. What is the minimum operating oil level?

\_\_\_\_\_

11. What is the aircraft empty weight?

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12. What is the useful load?

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13. What is the maximum capacity of the baggage area(s)?

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14. What is the maximum aircraft takeoff gross weight?

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15. What is the maximum aircraft landing weight?

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16. What is the center of gravity range?

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17. What is the recommended short field approach airspeed and configuration?

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18. What is the recommended normal approach airspeed?

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19. What is the best rate of climb speed ( $V_y$ )?

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20. What is the best angle of climb speed ( $V_x$ )?

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21. What is the maneuvering speed at max gross weight? At less than max gross weight? What is the maximum speed in rough or turbulent air?

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22. What is the stall airspeed in landing configuration ( $V_{so}$ )?

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23. What is the stall airspeed in landing configuration with 60° bank?

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24. What is the speed for best glide speed?

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25. What is the maximum demonstrated crosswind component for your aircraft? REFERENCE: POH

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26. How many degrees of flaps does this aircraft have? What is the top airspeed the first notch of flaps may be deployed? The remaining flaps?

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27. On takeoff and landing:

Circle all that apply.

- A) the electric fuel pump should be turned on
- B) the electric fuel pump should be turned off
- C) the fuel selector should be on both
- D) the fuel selector should be on the fullest tank
- E) it does not matter which tank the fuel selector is on

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28. If you experience an electrical fire in flight, what would your first course of action be? Should you reset a popped circuit breaker?

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29. What is the maximum speed for landing gear extension? (Retractable only)

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30. What are the indications for unsafe landing gear? (Retractable only)

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31. What is the procedure for emergency gear extension? (Retractable only)

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32. How do you detect carburetor ice?

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33. In the event of carburetor ice, what do you do?

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34. What is the power setting, fuel consumption, and true airspeed for the following:  
65% power, 7500 feet, standard temperature

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35. What would be the indication of an alternator or generator malfunction on your aircraft?

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36. Where is the alternate static source on your aircraft?

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37. Describe the go around procedure.

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38. What is the minimum runway length at maximum gross weight with no wind at sea level and standard temperature?

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39. What is the minimum runway length at maximum gross weight, no wind, 5000 feet, 100°F with a 50 foot obstacle?

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40. What is the pattern altitude at DYL?

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41. Calculate the weight and balance for the airplane in which you are checking out assuming you and your LEA instructor are the only occupants, and the fuel level is full.

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