



EQUIPMENT REVIEW

Name \_\_\_\_\_ Date \_\_\_\_\_

CHECKOUT INSTRUCTOR \_\_\_\_\_

AIRCRAFT MAKE/MODEL \_\_\_\_\_

AIRCRAFT USED FOR REVIEW N \_\_\_\_\_

**ENGINE:**

1. Who is the engine manufacturer? \_\_\_\_\_

2. What is the engine number and type? \_\_\_\_\_

\_\_\_\_\_

3. What is the rated horsepower and rpm? \_\_\_\_\_

**OIL:**

4. What is the maximum oil capacity? \_\_\_\_\_ Minimum safe operating oil level? \_\_\_\_\_

5. What is the *recommended* oil type? \_\_\_\_\_

**FUEL SYSTEM:**

6. What is the *recommended* fuel grade and color? \_\_\_\_\_

7. What is the total fuel capacity? \_\_\_\_\_ Total *usable* fuel capacity? \_\_\_\_\_

8. Usable each tank? \_\_\_\_\_ Quantity at tabs (if applicable) \_\_\_\_\_

9. Where are the fuel drains located? \_\_\_\_\_

10. When are they drained? \_\_\_\_\_

11. How many fuel pumps are there? \_\_\_\_\_ What are the types of fuel pumps  
(if applicable)? \_\_\_\_\_

**ELECTRICAL SYSTEM:**

12. What is the voltage of the alternator? \_\_\_\_\_ Amps? \_\_\_\_\_

13. What is the voltage of the battery? \_\_\_\_\_

**AIRSPEEDS: (EXPRESS IN KIAS)**

14.  $V_R$  \_\_\_\_\_  $V_X$  \_\_\_\_\_  $V_Y$  \_\_\_\_\_  $V_{NO}$  \_\_\_\_\_  $V_{NE}$  \_\_\_\_\_  $V_{SI}$  \_\_\_\_\_  $V_{SO}$  \_\_\_\_\_

$V_A$  \_\_\_\_\_  $V_R$  \_\_\_\_\_ Cruise Climb \_\_\_\_\_ Best Glide \_\_\_\_\_

Approach Speed (flaps down) \_\_\_\_\_ (flaps up) \_\_\_\_\_

15. What is the recommended short-field approach speed and configuration? \_\_\_\_\_  
\_\_\_\_\_

16. What is the maximum demonstrated crosswind component? \_\_\_\_\_

**WEIGHT AND BALANCE:**

17. ITEM \_\_\_\_\_ WEIGHT \_\_\_\_\_ ARM \_\_\_\_\_ MOMENT \_\_\_\_\_

A/C Basic empty weight \_\_\_\_\_

Pilot and Front Passenger 350 \_\_\_\_\_

Rear seat passengers (if applicable) 175 \_\_\_\_\_

Fuel full capacity \_\_\_\_\_

Baggage 50 \_\_\_\_\_

**TOTALS:** \_\_\_\_\_

CG LOCATION \_\_\_\_\_

Are you within limits? \_\_\_\_\_

**PERFORMANCE:**

18. Find the *ground roll and takeoff distance* maximum gross weight, flaps up, zero wind, for the following conditions:

a) Sea level, std. temp., ground roll \_\_\_\_\_ Total to clear 50ft obstacle \_\_\_\_\_

b) 4,000 ft., 30 degrees C, ground roll \_\_\_\_\_ Total to clear 50ft obstacle \_\_\_\_\_

c) 6,000 ft., 40 degrees C, ground roll \_\_\_\_\_ Total to clear 50ft obstacle \_\_\_\_\_

19. Find the approximate *range and endurance* at Max Gross weight, zero wind, with full fuel, for the following conditions:

a) 8,500 ft, standard temperature, 55% power, recommended lean mixture.

Range \_\_\_\_\_ NM, Endurance \_\_\_\_\_ Hrs. \_\_\_\_\_ Min. \_\_\_\_\_

b) 5,500 ft, standard temperature, 65% power, recommended lean mixture.

Range \_\_\_\_\_ NM, Endurance \_\_\_\_\_ Hrs. \_\_\_\_\_ Min. \_\_\_\_\_

20. Find the *landing ground roll and landing distance* at max. Gross weight, full flaps, zero wind, for the following conditions:

a) Sea level, standard temperature, ground roll \_\_\_\_\_ Total to clear 50ft  
obstacle \_\_\_\_\_

b) 4,000ft., 30 degrees C, ground roll \_\_\_\_\_ Total to clear 50ft  
obstacle \_\_\_\_\_

**EMERGENCY PROCEDURES:**

21. Describe the "Go-Around" procedure. \_\_\_\_\_  
\_\_\_\_\_

22. What are the trouble-shooting procedures should the high-voltage or low-voltage light  
(If applicable) illuminate in flight? \_\_\_\_\_

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23. What are the procedures for an electrical fire in flight? \_\_\_\_\_

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24. How do you detect carburetor ice? \_\_\_\_\_

25. In the event of carburetor ice, what do you do? \_\_\_\_\_

26. Do we have an alternate *induction* air source for this aircraft? \_\_\_\_\_ If so, what is  
It? \_\_\_\_\_

27. What are the procedures for an engine failure in flight? \_\_\_\_\_

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28. What is the spin recovery procedure? \_\_\_\_\_

**REGULATORY:**

29. When are your passengers required to have their seat belts fastened? \_\_\_\_\_

30. What documents must be on board the aircraft? \_\_\_\_\_

31. What inspections are required for your aircraft? \_\_\_\_\_

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Reviewed by \_\_\_\_\_ Date \_\_\_\_\_