

Lanier Flight Center

Lee Gilmer Memorial Airport
1115 Aviation Way,
Gainesville, GA 30501
678-989-2395
Fax: 678-989-2396



Lanier Flight Center 162 Checkout Questionnaire

Name _____ Date _____
Certificate and Rating _____ Certificate Number _____
Total Time _____ Instructor (if applicable) _____

Systems

1. What type of engine does the aircraft have? (specify make and model)
2. What is the engine's maximum rated horsepower and RPM?
3. What is the total fuel capacity? What is the total usable?
4. How many fuel drains are there on the following? Left wing _____ Right wing _____
5. How many fuel drains are there on the underside of the forward fuselage?

6. Fuel is shut-off with the _____
7. When checking the fuel quantity by looking in the tanks, what is the meaning of the fuel quantity if the fuel is up to the top hole on the fuel tab? 2nd hole down? 3rd hole down? Bottom of the fuel tab?
8. What types of fuel are approved?

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9. What is the total oil capacity? What is the minimum capacity for normal flight operations?
10. Describe the electrical system.
11. What is the voltage of the battery? Where is the battery located in the aircraft?
12. What has happened when the low voltage annunciator illuminates?
13. How can the pilot attempt to remedy a low or over-voltage condition?
14. Describe the process for checking that the movement of the ailerons is full, free and correct during the walk around. How do you correct an over-centered aileron condition?
15. Describe the flaps. How are they used? What are the settings? At what speed do you lower the flaps? What are the limitations?

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Emergency Procedures

1. Describe the emergency checklist to follow when the engine has failed in flight.

2. What actions should be taken if there is smoke in the cockpit?

3. What should we do if we experience low or high oil pressure?

4. What action should be taken if you experience partial power loss?

5. Describe the procedure to use for a forced landing.

6. What should be done if the ammeter indicates excessive discharge or overcharge during flight?

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Performance

1. Given: 37 degrees C, 3 kt tailwind, pressure altitude 1,500 feet, paved dry runway, and max weight. Determine the takeoff distance over a 50 obstacle using the SHORT FIELD takeoff technique.
2. What is the endurance at 8,000 feet and standard temp at 65% power?

Weight and Balance

1. What is max takeoff weight?
2. Determine how much fuel can be carried without exceeding max takeoff weight:

	Weight (lb)	Arm (in)	Moment (in-lb)
Basic Empty Weight	860.8	131.7	113,367.4
Pilot	170		
Passenger	190		
Baggage	5		
Zero Fuel Weight			
Fuel @ 6 lbs/gal			
Ramp Weight			
Taxi Fuel Allowance			
Takeoff Weight			
CG Location			

3. Is the aircraft within CG limits? If not, show how we can be in CG limits.

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4. What is the maximum allowable weight in the baggage area?

Stall and Spin Awareness

1. What is a stall?
2. How do you recover from a stall (Power-Off/Power-On)?

Power-Off: _____

Power-On: _____

3. What has to happen first before an airplane enters a spin?
4. What is the SPIN RECOVERY procedure for this airplane?
5. Why is it important to recover from a spin both quickly and smoothly?

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6. Are intentional spins approved in this aircraft?

Airspeeds

1. What are the following V Speeds in KIAS?

V_r _____

V_y _____

V_x _____

V_a _____

V_o _____

V_{so} _____

V_s _____

V_{fe} _____

V_{no} _____

V_{ne} _____

Best Glide Speed Max Weight _____