



Miry Brook Road
Danbury, CT 06810
(203) 744-5010

Piper Arrow PA28R-200 Check Out

Pilot: _____

The following is required prior to renting the Arrow as PIC:

1. For those with less than 25 hours in complex aircraft.
 - a. A minimum of 80 hours total time.
 - b. Completion of the attached written test on Arrow operations and specifications.
 - c. 5 hours dual, 20 landings and 3 flights in the Arrow.
 - d. CFI authorization on rental agreement form.
2. For those with 25 hours in type (Arrow) or more than 25 hours on other complex aircraft.
 - a. CFI checkout.
 - b. Completion of the attached written test on Arrow operations and specifications.
 - c. CFI authorization on rental agreement form.
3. Complex endorsement if not previously endorsed

PART I - Aircraft

Cherokee Arrow PA-28R-200 Checkout

Engine type: _____

Basic empty weight: _____

Fuel Capacity: _____

Fuel type: _____

Rated Horsepower : _____

Payload
(useful load w/ full fuel): _____

Oil capacity: _____

Normal Approach Speed: _____

Short field approach speed: _____

Best Glide: _____

Cruise climb speed _____ at _____ inches HG and _____ RPM.

V_x (Max climb angle)
Gear down: _____

Gear up: _____

V_y (Max rate of climb)
Gear down: _____

Gear up: _____

V_{so} (Stall dirty): _____

V_a (Maneuvering speed): _____

V_{le} (Gear extension): _____

V_{sI} (Stall Clean): _____

V_{fe} (Flap extension): _____

Landing Gear System

1. How is the retractable landing gear actuated and powered?

2. Where is the landing gear hydraulic fluid reservoir?

3. How long does it take the landing gear to extend or retract?

4. What is the purpose of the landing gear pressure sensing device?

5. At what airspeed and power setting will the landing gear extend even if the gear selector is in the up position?

6. Under what three conditions will the gear warning horn and light be activated?

7. What physically activates the gear warning horn and light?

8. At what power setting and airspeed will the pressure sensing device prevent the landing gear from retracting?

9. At what airspeed will the landing gear not retract even with the gear selector in the up position?

10. What is the squat switch and where is it located?

***** WARNING *****

Gear extension lock use is NOT authorized unless a company instructor is on board

Control Systems

11. How is a Stabilator different from a horizontal Stabilizer?
12. Where is the rudder trim adjustment located?
13. How many degrees of flaps are selected at each setting?

Fuel System

14. How many fuel pumps does the Arrow have?
15. What powers each of the fuel pumps?
16. When should the electric-fuel pump be used?
17. Where is the fuel strainer quick drain located?
18. Which maneuvers could inadvertently cause fuel in the tanks to move away from the tank outlet causing loss of power?
19. What is the fuel capacity when full to the tabs?
20. What is a realistic fuel consumption rate for the Arrow?

Electrical System

21. The alternator produces how many volts and amps?

22. Where is the battery located?

23. What does the ammeter indicate?

24. What is the approximate continuous amp load for night flight with the radios on?

25. Explain the procedure for a "NO OUTPUT" indication on the Ammeter.

26. Where are the fresh air inlets located?

27. Where is the fresh air outlets in the cabin located?

28. Where is the cabin air exhausted?

Emergency Procedures

29. Describe the procedure for emergency gear extension.

30. Describe the procedure for a gear up landing.

31. Describe the procedure for engine failure in flight.

Normal Operating Procedures

32. Describe the procedure for a normal takeoff and enroute climb.

33. Describe the procedure for level off and cruise flight.

34. Why is there a red RPM zone on the tachometer at 2100-2500?

35. What is a "GUMPS" check and when should it be used?

Pilot: _____ Date: _____
Instructor: _____ Date: _____

NOTE Complex endorsement required if not previously endorsed

PART II – Autopilot Basic Autopilot VFR Check Out

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check out

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Pilot: _____ Date: _____
Instructor: _____ Date: _____