

# American Flight Schools

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



## Aircraft Checkout Quiz

**Thank you for choosing American Flight Schools for your aircraft rental and flight training needs!** The following quiz should help familiarize you with the aircraft and privileges sought. The following test is required by policy prior to acting as PIC in any aircraft. Please take a few minutes and get to know your aircraft. Consult the appropriate aircraft POH and answer the following questions. If the aircraft has a STC, please make sure to note any changes to the original POH.

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

### Section 1 GENERAL

1. Does this aircraft have a STC(s), and what changes to the POH are included in the STC(s)?

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2. What engine model is the aircraft equipped with and what is its rated horsepower?

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3. What are the approved fuel grades? \_\_\_\_\_

Total Capacity? \_\_\_\_\_ Total Useable? \_\_\_\_\_

4. What is the Oil Capacity? \_\_\_\_\_

5. Maximum Takeoff Weight? \_\_\_\_\_

6. Maximum Landing Weight? \_\_\_\_\_

7. Maximum Weight in the baggage compartment(s)? \_\_\_\_\_

8. What is the useful load of this aircraft? \_\_\_\_\_

9. What is the payload of the aircraft with full fuel? \_\_\_\_\_

### Section 2 LIMITATIONS

1. Is this a/c rated for IFR flight operations? \_\_\_\_\_

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2. Is this a/c rated for flight into known icing conditions? \_\_\_\_\_

V <sub>SO</sub>	V <sub>NO</sub>
V <sub>S</sub>	V <sub>NE</sub>
V <sub>X</sub>	V <sub>FE</sub>
V <sub>Y</sub>	V <sub>LE</sub>
V <sub>G</sub>	V <sub>LO</sub>
V <sub>A</sub>	V <sub>YSE (multi)</sub>
V <sub>R</sub>	V <sub>MC (multi)</sub>

## **Section 3 EMERGENCY PROCEDURES**

1. State procedures for ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF.
2. State procedures for ENGINE FAILURE DURING FLIGHT.
3. State procedures for FIRE DURING START.
4. State procedures for FIRE IN FLIGHT
5. State procedures for SPIN RECOVERY?

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## Section 4 NORMAL OPERATIONS

1. State the location of each Fuel Sump Quick Drain Valves.  
\_\_\_\_\_  
\_\_\_\_\_
2. What is the minimum OIL quantity authorized for flight by American Flight Schools?  
\_\_\_\_\_
3. What pilot action is required if ENGINE FLOODING or EXCESSIVE PRIMING is suspected?  
\_\_\_\_\_  
\_\_\_\_\_
4. Is the Electrical Fuel Pump used during a normal takeoff? \_\_\_\_\_
5. What is the NORMAL flap setting and associated climb speed? \_\_\_\_\_  
\_\_\_\_\_
6. What is the SHORT FIELD flap setting and associated climb speed? \_\_\_\_\_  
\_\_\_\_\_
7. What is the ENROUTE CLIMB speed? \_\_\_\_\_
8. What is the NORMAL landing Airspeed? \_\_\_\_\_
9. What is the SHORT FIELD landing flap setting and associated airspeed?  
\_\_\_\_\_
10. What is the maximum RECOMMENDED STARTER DUTY CYCLE? (ie “If engine doesn’t start within \_\_\_\_\_ seconds, disengage starter to prevent overheating the starter motor.”)
11. During MAGNETO CHECK, RPM drop should not exceed \_\_\_\_\_ RPM on either magneto or show greater than \_\_\_\_\_ RPM differential between magnetos.
12. At field elevations above 3000 feet, the mixture should be \_\_\_\_\_, for best power, prior to TAXI and TAKEOFF.
13. What is the recommended leaning procedure during CRUISE?

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## **Section 5 PERFORMANCE**

1. What is the takeoff distance at 6000' Pressure Altitude and 30° C? Over a 50ft obstacle ?
  
2. What is the maximum rate of climb at 6000' Pressure Altitude and 30° C?
  - a. (MULTI- what is the single-engine rate of climb or service ceiling as applicable?)
  
3. What are the POH values for TAS and GPH at 65% power, 8000' Pressure Altitude, and Standard Temperature?
  
4. With a full fuel load at 75% power and 9,000' Pressure Altitude, allowing for 45 mins reserve, what is the maximum endurance?
  
5. What is landing distance at 6000' Pressure Altitude and 30° C?

## **Section 6 WEIGHT & BALANCE/EQUIPMENT LIST**

1. Complete a TOLD Sheet
  - a. Determine Pressure Altitude and Density Altitude for current conditions
  - b. Perform Weight and Balance calculation:
    - i. Full Fuel
    - ii. Passenger weight = 170lbs
    - iii. Cargo weight = 30lbs

Pilot Name \_\_\_\_\_ Pilot Signature \_\_\_\_\_

CFI Name \_\_\_\_\_ CFI Signature \_\_\_\_\_

Date \_\_\_\_\_