

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)?

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

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? _____
10. Describe the electrical system. What type is it, how many volts, how is the battery charged?

Section 2 LIMITATIONS

1. Is this a/c rated for IFR flight operations? _____
2. Is this a/c rated for flight into known icing conditions? _____
3. What is the maximum demonstrated cross wind for this aircraft? _____

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V _{SO}	V _{NO}
V _S	V _{NE}
V _X	V _{FE}
V _Y	V _{LE}
V _G	V _{LO}
V _A	V _{YSE (multi)}
V _R	V _{MC (multi)}

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 in this aircraft?

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? _____
14. If installed, when is the air conditioner approved for use? _____

Retractable Gear Aircraft

15. What type of retractable gear system is equipped in this aircraft: hydraulic, electric, or mechanical?

16. What is the procedure for emergency gear extension and how does the emergency system operate?

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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 Power Settings, 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, (use actual weights if known), if not:
 - i. Full Fuel
 - ii. Front Passenger weight = 170lbs
 - iii. Rear Passenger weight= 80lbs
 - iv. Cargo weight = 30lbs

Pilot Name _____ Pilot Signature _____

CFI Name _____ CFI Signature _____

Date _____