

Pilot's Name _____

Pilot certificate type & number _____

Medical class & issue date _____

Last flight review date (if applicable) _____

This checkout form MUST be completed prior to acting as PIC in each Make and Model of aircraft. Please use the aircraft's AFM/POH to complete this questionnaire to the best of your ability. Review any incomplete areas as needed with your instructor.

GENERAL INFORMATION

1. Which documents must be on board the aircraft?

2. What is the airplane's fuel capacity? _____ usable, and _____ unusable
3. If you see $\frac{1}{4}$ tank on the fuel gauge, approximately how much fuel do you have per side? _____
4. How many fuel drains are there? _____ Where are they located?

5. What is the recommended fuel grade and color? _____
6. Where should the fuel selector be set for takeoff and landing?

7. Is there a fuel pump on this aircraft and, if so, when should the fuel pump be used? _____
8. What is the procedure for priming on a cold start?

9. Hot start procedure? _____

10. Does the aircraft have carburetor heat or alternate air and when should it be used? _____

AIRSPEEDS & FLAP SETTINGS

1. What are the following airspeeds (IAS) for this aircraft?

V_{SO} _____	V_{NO} _____
V_S _____	V_{NE} _____
V_R _____	Cruise climb _____
V_X _____	Normal approach _____
V_Y _____	Short-field approach _____
V_A _____	Soft-field approach _____
V_{BG} _____	Approach w/flaps up _____
$V_{FE} 10^\circ$ _____ Full flaps _____	Max demonstrated xwind _____

2. If your aircraft has flaps, what are the setting for:

Normal takeoff _____ Normal landing _____
 Short-field takeoff _____ Short-field landing _____
 Soft-field takeoff _____ Soft-field landing _____

3. Which flap setting would you use in a 15-knot crosswind? _____

4. What approach speed and flap setting would you use when landing with a 10-knot gust? _____ IAS and flaps _____

5. What approximate power setting should be used downwind in the traffic pattern? _____ RPM _____" MP (if applicable)

WEIGHT AND BALANCE

1. For this aircraft, what are the following:

Max ramp weight _____ Useful load _____
 Max takeoff weight _____ Upper & Lower C.G. Limits:
 Max landing weight _____ FWD _____ AFT _____
 Baggage area max. weight _____ FWD _____ AFT _____

2. Condition: Pilot and passenger @ 170 lbs. each; Rear seats (if applicable) 2 passengers @120 lbs each; Baggage-50 lbs; Full fuel @ 6 lbs. per gallon. For this condition find the: Ramp weight _____
 Takeoff weight _____ C.G. Position _____
 Is the aircraft within C.G. and weight limits? _____

AIRCRAFT PERFORMANCE

Find the performance data for the following scenarios:

1. Condition: Cruise @ 7000 Ft. Pressure Altitude, 55% Power, 0°C, max weight. What are the following values:

_____ RPM _____" MP _____ GPH _____ TAS
 Range _____ nm Endurance _____ hours

2. Condition: Cruise @ 3000 Ft. Pressure Altitude, 75% Power, 20°C, max weight. What are the following values:

_____ RPM _____" MP _____ GPH _____ TAS
 Range _____ nm Endurance _____ hours

3. Condition: 6000 ft pressure alt, 10°C, max. takeoff weight, 10 kts headwind.

Takeoff ground roll _____ Over 50' obstacle _____
 Landing ground roll _____ Over 50' obstacle _____

4. Condition: KRHV, RWY 31R, OAT 30°C, altimeter 30.00", max. takeoff weight, and wind calm.

Takeoff ground roll _____ Over 50' obstacle _____

Landing ground roll _____ Over 50' obstacle _____

ENGINE OPERATION

1. Make, model and type _____

2. What is bhp _____ @ maximum RPM?

3. What is the maximum allowable RPM? _____

4. Should it be used continuously? _____

5. Fuel injected or carbureted? _____

6. Normally aspirated or turbo charged? _____

7. What is the order & position for throttle, prop, mixture, and carb heat when increasing power? _____

8. What is the order & position for throttle, prop, mixture, and carb heat when reducing power? _____

9. What is the procedure to lean for best power WITHOUT an EGT?

10. What are the min and max operating oil temperature for this aircraft?

11. What is the "normal" oil temperature range for this aircraft? (Ask CFI)

12. If your oil temperature increases beyond normal indications, what else should you be checking and what can you do to reduce temperature?

13. What is the procedure to lean for best power WITH an EGT?

14. What are the maximum EGTs and CHTs for this aircraft?

15. What are "normal" EGT and CHT ranges during cruise?

16. If EGTs or CHTs increase beyond normal indications, what can you do to help cool the engine down to normal temperatures?

AIRCRAFT SYSTEMS

1. What are the maximum and minimum oil quantities? _____
2. Does this aircraft have alternators or generators? _____
3. How many? _____ What are they rated at? _____
4. How can you verify that the alternator/generator is working prior to departing? _____
5. How do we detect an alternator/generator failure and what is the procedure? _____
6. If you have an electrical failure, which components will no longer work? _____
7. You lose an engine immediately after takeoff, below 400' AGL. What are the procedures? _____
8. You lose an engine at 3000' AGL. What are the procedures? _____

AERODYNAMIC AVIATION POLICIES

1. How are AeroDynamic aircraft dispatched and checked in? _____
2. What is the currency requirement to rent this plane with AeroDynamic? _____
3. Does your aircraft checkout expire? _____
4. What is the *minimum* notice for cancellation or change of a schedule? _____
5. What is the daily minimum and required cancellation/change of schedule notice if booking this plane for more than 3 hours? _____
6. What is our policy for overnight rentals? _____
7. Can you take our aircraft outside of the 48 contiguous states? _____
8. You took a trip to KSBP and purchased fuel there. What is the policy for reimbursement? _____
9. Who is the person ultimately responsible for the safe operation of this aircraft? _____

I have read, understand, and agree to comply with the POH or AFM. I will operate the aircraft within the limitations established by the manufacturer and AeroDynamic Aviation. I will abide by all FAA Regulations and comply with AeroDynamic Aviation's policies.

 Pilot's signature

Date

 Print pilot's name

Required Checkout Ground & Flight Tasks

You must exceed ACS/PTS standards for your level of certificate/rating

- | | |
|---|--|
| <input type="checkbox"/> Pilot qualifications | <input type="checkbox"/> Abnormalities/emergencies |
| <input type="checkbox"/> Airworthiness | <input type="checkbox"/> Cross-country procedures |
| <input type="checkbox"/> Aircraft systems | <input type="checkbox"/> Traffic pattern operations |
| <input type="checkbox"/> W&B and performance | <input type="checkbox"/> Normal/crosswind landing |
| <input type="checkbox"/> Limitations | <input type="checkbox"/> Short-field takeoff & lndg |
| <input type="checkbox"/> Spin awareness | <input type="checkbox"/> Soft-field takeoff & lndg |
| <input type="checkbox"/> Night operations | <input type="checkbox"/> Partial/no-flap approaches |
| <input type="checkbox"/> Risk management & ADM | <input type="checkbox"/> Forward or sideslip |
| <input type="checkbox"/> Preflight preparation | <input type="checkbox"/> Go-arounds |
| <input type="checkbox"/> Fueling & servicing | <u>Instrument-rated pilots:</u> |
| <input type="checkbox"/> Start, taxi, runup | <input type="checkbox"/> Instrument flight maneuvers |
| <input type="checkbox"/> Checklist usage | <input type="checkbox"/> IFR approach procedures |
| <input type="checkbox"/> Normal/crosswind takeoff | <u>Tailwheel aircraft:</u> |
| <input type="checkbox"/> Climb, cruise climb | <input type="checkbox"/> Wheel landings |
| <input type="checkbox"/> Engine management | <input type="checkbox"/> Toe brakes |
| <input type="checkbox"/> Steep turns | <input type="checkbox"/> Heel brakes |
| <input type="checkbox"/> Slow flight | <u>Complex aircraft:</u> |
| <input type="checkbox"/> Stall recovery | <input type="checkbox"/> Gear malfunction/failure |

I have personally reviewed and corrected this form. I have reviewed any areas found deficient and completed ground training with the above-named pilot.

 Instructor's signature

Date

 Print instructor's name