

ROCKY MOUNTAIN FLIGHT SCHOOL

AIRCRAFT CHECK-OUT FORM

Aircraft Make & Model _____

Pilot Name _____

Certificate Type & Number _____

Ratings _____

Medical Class & Issue Date _____

Last BFR Date _____

This Check out form must be Completed Prior to acting as PIC

1. GENERAL INFORMATION

What Documents Must be on board the A/C? _____

How many fuel tanks on this A/C? _____ Total Capacity? _____

Total Usable _____ Total usable at the tabs _____

How Many Fuel Drains Are There _____ Where are they _____

What is the recommended fuel grade and color _____

Where should the fuel selector be set for takeoff and landing _____

How many fuel pumps are there in this A/C _____

When should the electric fuel pump be used _____

What is the maximum and minimum oil quantity _____

What is the recommended oil type _____

Electrical System voltage _____

Does the A/C use a primer for a cold start _____ Hot start? _____

Does the A/C have carb heat or alternate air _____

When should it be used _____

Does this A/C use flaps for a normal takeoff _____

Short field _____ Soft field _____

2. PERFORMANCE

Airspeeds (KIAS)

V_{so} _____ V_a _____ V_{mc} _____

V_s _____ V_{no} _____ V_{xse} _____

V_y _____ V_{ne} _____ V_{yse} _____

V_x _____ Best glide _____ V_{sse} _____

V_r _____ Cruise climb _____ SE approach _____

V_{fe} _____ Approach with flaps _____

V_{lo} _____ Approach no flaps _____

V_{le} _____

Power settings (RPM only for fixed pitch)

Takeoff RPM _____ MP _____

Climb RPM _____ MP _____

Cruise @ 7000 Ft. Pressure Altitude, 75 % Power , 0 Degrees C.

RPM _____ MP _____ GPH _____ KTAS _____ BHP % _____

Range _____ NM Endurance _____

Takeoff ground roll _____ Over 50' obstacle _____

Landing ground roll _____ Over 50" obstacle _____

Conditions:

6000 ft pressure alt, 80 degrees F., Max takeoff weight, 10 kts headwind, Maximum takeoff flap setting

3. WEIGHT AND BALANCE

Max ramp weight _____ Empty weight _____

Max takeoff weight _____

Max landing weight _____

C.G. Limits FWD _____ AFT _____

Baggage compartment weight limits _____

Useful load _____

Find ramp weight _____ C.G. Position _____

Conditions: Front seats- pilot and passenger @ 170 lbs. each

Rear seats- one passenger @ 150 lbs.

Baggage- 50 lbs.

Full fuel @ 6 lbs. per gallon

Is the aircraft within C.G. and weight limits? _____

4. ENGINE (S)

Make and model _____

Fuel injected or carbureted _____

Normally aspirated or turbo charged _____

Horsepower _____ Fixed pitch or constant speed _____

With an A/C with a constant speed prop, to increase power, first increase _____

What is the maximum allowable manifold pressure _____

Can it be used continuously _____ Can it be exceeded _____

What is the procedure to lean for best power WITHOUT an EGT _____

With an EGT _____

If an engine fails while in cruise flight, what steps must be taken to restore power

5. SYSTEMS (disregard questions that do not apply)

Are the flaps manual or electric _____

How does the landing gear system work _____

Will the landing gear extend with a total loss of hydraulic fluid _____

With a loss of electrical power? _____

If the landing gear system fails to extend normally, what steps must be taken to get the

gear down _____

6. MULTI ENGINE AIRCRAFT (skip this section for SE aircraft)

Define V_{mc} _____

Define Accelerated stop distance _____

Calculate Accelerate stop distance: Max takeoff weight, 5500 ft. pressure alt. , 20 degrees C., no wind _____

Calculate SE climb rate: Max takeoff weight, 5500 ft pressure alt, 0 degrees c. ____

Define SE service ceiling _____

How can a pilot determine if an engine has failed while in cruise flight _____

List the steps for securing a failed engine while in cruise flight _____

I have read, understand, and agree to comply with the POH or AFM and will operate the aircraft within the limitations established by the manufacture. This questionnaire was completed by the undersigned pilot to the best of his/her ability using all information available to me.

Pilots signature

Date

I have personally reviewed and corrected this form, and find the above named pilot's knowledge adequate to safely operate this aircraft.

Instructors signature

Date