

AIRCRAFT CHECK-OUT FORM

ROCKY MOUNTAIN FLIGHT SCHOOL

This Check-out form MUST be completed prior to acting as PIC.

Aircraft Make & Model _____

Pilot Name & Certificates _____

Pilot Experience: Total Time: _____ Multi: _____ Complex: _____ High Performance: _____ M/M: _____

1. General

What Documents must be on board this aircraft? _____

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

When should the electric fuel pump be used? _____

This aircraft uses a plunger-primer for (*circle one*): cold start hot start both neither

This aircraft is equipped with (*circle one*): carburetor heat alternate air

Describe when it should be used: _____

What is the appropriate flaps setting for...?

Normal takeoff _____ Normal landing _____ Short-field takeoff _____

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

What are the following power settings for this aircraft? (*RPM only for fixed pitch*)

Takeoff RPM _____ MP _____ Climb RPM _____ MP _____

What are the following airspeeds (KIAS) for this aircraft?

V_S _____ V_{SO} _____ V_{NO} _____ V_{NE} _____ V_{FE} _____ V_A _____ V_{MC} _____

V_X _____ V_Y _____ V_R _____ V_g _____ V_{REF} _____ $V_{REF NO FLAPS}$ _____

V_{XSE} _____ V_{YSE} _____ $V_{REF SE}$ _____ Cruise climb _____

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2. Performance

Conditions: Cruise, PA: 7000ft, 75% Power, 0°C, Max fuel.

RPM: _____ MP: _____ GPH: _____ KTAS: _____
 BHP%: _____ Range: _____ Endurance _____

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Conditions: PA: 5500ft, 20°C, MTOW, 5kts headwind, Max takeoff flap setting.

Takeoff distance over a 50' obstacle: _____ Landing distance over a 50' obstacle: _____

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3. Weight and Balance

Tail Number used: _____ Date: ___/___/_____

Max Gross Weight: _____ Max Takeoff Weight: _____ FWD CG limit: _____ AFT _____
 Baggage weight limit(s) _____ Useful load _____

*Conditions: Front seats: pilot and passenger @ 170 lbs. each *Rear seats: one passenger @ 150 lbs.
 Baggage: 25 lbs. Fuel: 75% of usable fuel

Note: For aircraft with three rows of seats, use the center row of seats & the cabin baggage area.

<u>Item</u>	<u>Weight</u>	<u>Arm (C.G.)</u>	<u>Moment</u>
<u>Basic Empty</u>			
<u>Total Ramp</u>			

Is the aircraft within CG limits? _____ Is the aircraft within weight limits? _____

If not within limits, how would you correct it? _____

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4. Systems

How many fuel tanks on this Aircraft? _____ Total Fuel Capacity _____ Usable Fuel _____

Usable fuel at filler tabs? _____ Number of fuel drains _____ Number of fuel pumps _____

Fuel Drain/sump location(s): _____

This aircraft is equipped with (*circle one*): manual flaps electric flaps

This aircraft is equipped with (*circle one*): fixed gear retractable gear

How does the landing gear system work? _____

Will the landing gear extend with a total loss of hydraulic fluid? (*circle one*) Yes No

Will the landing gear extend with a total loss of electrical power? (*circle one*) Yes No

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

Engine Make and model(s) _____

This engine has a maximum oil capacity of _____ quarts and must not be operated with less than _____ quarts.

This engine requires _____ type oil, and RMFS chooses _____ viscosity.

This engine is [*fuel injected/carbureted*], is rated for _____ horsepower at _____ RPM and is equipped with a [*fixed pitch/constant speed*] propeller.

For aircraft with constant speed props, to increase power, first _____

What is the maximum allowable continuous manifold pressure? _____

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

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

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

Electrical energy is supplied by a ___-volt system powered by a(n) _____-driven, ___-amp alternator and a ___-volt, ___-amp hour battery. The avionics switch must be in the [ON/OFF] position during engine start, and the [ON/OFF] position during engine shutdown.

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Check List Dispatched with Aircraft

Some checklist items have been added and other checklist items have been amplified. The order of some checklist items has also been changed for some operations. If you are using a checklist other than the one that is dispatched with the aircraft, please ensure that this information has been added to your checklist, and no information has been removed from the manufacturer's POH Checklist; only additional information has been added. Initials _____

I have read, understand, and agree to comply with the POH/AFM and will operate the aircraft within the limitations established by the manufacture. Initials _____

I have been instructed in the proper procedure to securer (Tie-Down & Gust Lock) this aircraft and understand than I am responsible for any damage caused by failure to properly secure this aircraft. Initials _____

This questionnaire was completed by the undersigned pilot to the best of their ability using all information available to me.

Pilot's signature

Date

Print pilot's name

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

Instructor's signature

Date

Print instructor's name

I have instructed the above-named pilot in the proper procedure used to secure this aircraft.

Instructor's Initials _____