Journeys Aviation
Boulder, Colorado

Aircraft Check-Out Form

Pilot's Name: _____ Date: _____/_____/_____

Aircraft Make & Model: _____ Tail Number: _N_____

Certificate Type: _____ Certificate No: _____

Ratings: _____ Last Flight Review: _____/_____/_____

Medical: Class 1 2 3 Basic Med Date: _____/_____/_____

This Check-out sheet must be completed and approved by a Journeys Aviation full time flight instructor prior to acting as a Pilot-in-Command of this aircraft type.

A. GENERAL

1. What aircraft documents must be on board? _____ _____

   _____ _____ _____ _____

2. What documents must you carry with you as PIC? _____ _____ _____
3. How many fuel tanks on board? _____ Total Fuel Capacity? _____ Usable? _____
4. How many fuel drains are there? _____. Where are they? _____

   _____
5. What is the recommended fuel grade? _____. Color? _____
6. What position should the fuel selector be in for takeoff? _____
7. What position should the fuel selector be in for landing? _____
8. How many fuel pumps are there? _____. When should the electric fuel pump be used? _____
9. What is the maximum & minimum oil quantity? _____ - _____ quarts.
10. What is the oil type and viscosity? _____
11. How many strokes of prime do you use for normal starts? _____
12. How many strokes of prime do you use for hot starts? _____

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13. What does the engine use? CARBURATOR HEAT_____ or ALTERNATE AIR_____

14. When should carburetor heat or alternate air be used? _____

_____

15. How many degrees of flaps are available on this aircraft? _____

16. What flap settings should be used for the following operations:

Normal Takeoff: _____ Normal Landing: _____

Short-field Takeoff: _____ Short-field Landing: _____

Soft-field Takeoff: _____ Soft-field Landing: _____

B. PERFORMANCE: *Available in the POH in the aircraft but you should download one.*

1. Airspeeds (KIAS):

V_{so}: _____ V_{fe}: _____ Cruise Climb: _____

V_s: _____ V_a: _____ Best Glide: _____

V_y: _____ V_{no}: _____ Approach with flaps: _____

V_x: _____ V_{ne}: _____ Approach no flaps: _____

V_r: _____ Maximum Demonstrated Crosswind: _____

2. What are the recommended power settings for:

a) Takeoff: MP: _____ RPM: _____ (only RPM for fixed pitch)

b) Climb: MP: _____ RPM: _____ (only RPM for fixed pitch)

c) Cruise at 7,000 feet pressure altitude, 75% power, temperature 0°C

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

RANGE: _____ (NM) ENDURANCE: _____

(include 1 hr reserve fuel)

3. Conditions:
- 6,000 feet pressure altitude
- 30°C
- Maximum gross weight
- 10 knots headwind component
- Maximum takeoff flap setting

Takeoff ground roll: _____ Takeoff distance (50' obstacle): _____

Landing ground roll: _____ Landing distance (50' obstacle): _____

4. Rate of Climb at 6000' PALT, -20°C, MTOW, Full Throttle: _____

Rate of Climb at 6000' PALT, 30°C, MTOW, Full Throttle: _____

Climb rate from 5000' PALT, to 8500' PALT, 15°C @ 5000': _____

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C. WEIGHT & BALANCE

1. Maximum ramp weight: _____ lbs.
2. Maximum takeoff weight: _____ lbs.
3. Aircraft empty weight: _____ lbs. (see spreadsheet on the website)
4. C.G. limits (inches): FWD: _____ AFT: _____
5. Baggage compartment weight limits:

   Fwd: _____ lbs. Aft: _____ lbs.
6. Aircraft useful load: _____ lbs. Full fuel load: _____ lbs
7. Conditions:

   - Front seats: Pilot and passenger @ 160 lbs. each
   - Back seats: Two passengers @ 160 lbs. each
   - Fuel: Full tanks @ 6 lbs/gallon
   - Baggage: 15 lbs

ITEM	Weight lbs	Arm inches	Moment
Operating Empty Wt			
Front Seat, Left			
Front Seat, Right			
Rear Seat Pax			
Baggage Area #1			
Baggage Area #2			
Fuel			
Totals			

Find: Ramp weight: _____ lbs. CG position on takeoff: _____ inches

Is this over or under MTOW & what adjustments would you make: _____

_____

D. POWERPLANT(S)

1. Make and model: _____

   a) Check one: Fixed pitch: _____ Constant speed: _____

   b) Check one: Fuel injected: _____ Carbureted: _____

   c) Check one: Turbo charged: _____ Normally aspirated: _____

   d) When operating an airplane with a constant speed propeller, to reduce power, first reduce: _____.

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2. Horsepower: _____ HP.

   a) What is the maximum allowable RPM: _____ MP: _____ inches.

   b) Can it be used continuously? YES: _____ NO: _____

   c) If not, for how long? _____

   d) Can it be exceeded? YES: _____ NO: _____

3. Does this aircraft have an EGT Gauge? YES: _____ NO: _____

4. What is the best procedure for leaning to best power? _____

   _____

5. If an engine failure occurs at altitude, what steps should be taken to restore power?

   a) _____

   b) _____

   c) _____

   d) _____

   e) _____

   f) _____

   g) _____

   h) _____

E. SYSTEMS

1. What is the voltage of the electrical system? _____ Volts.

2. Are the flaps manual or electric? _____

I have read and understand the pilot's operating handbook and will operate the aircraft within its limitations. I completed the foregoing questionnaire based on my own knowledge including that obtained from aircraft publications, which were available to me.

_____ _____/_____/_____
Pilot's signature Date:

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

_____ _____ _____/_____
Instructor's signature Certificate Number Expiration

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Boulder Municipal Airport Noise Abatement Procedures

1. All traffic pattern entries should be conducted in conformity with the City of Boulder Airport Noise Abatement procedures.
2. All aircraft should be flown at or above 7,500 feet mean sea level (MSL) over noise-sensitive areas (outside of the traffic pattern) and at reduced power settings. Avoid these areas when possible.
3. All downwind legs should be over Jay Road, and base legs should be east of 30th Street for landings on Runway 8.
4. Operate aircraft at the most reduced power settings (that are safely possible) in the airport traffic pattern or while entering the pattern. This reduces the number of extended final approaches.
5. Climb to at least 500 feet above ground level (AGL) after takeoff before turning crosswind. All Runway 8 departures should be straight out to the east. Avoid the Gunbarrel area on departure.
6. Use Runway 8 for most operations (except night landings) and when the wind is less than five knots from the west and expected to remain at less than five knots.
7. Avoid making touch-and-go landings at the Boulder Municipal Airport before 8 a.m. and after 5 p.m.
8. Avoid flight operations between 11 p.m. and 7 a.m. For early morning departures (before 7 a.m.), please depart straight out to the east and reduce power settings, consistent with safe operating procedures.
9. Straight-in approaches to Runway 26 are recommended for night landings (wind and weather permitting).
10. Do not fly over the raptor nesting areas of the Flatirons (mountains southwest of town) from Feb. 1 through July 31. This is a protected area for peregrine falcons.

Use good discretion and always maintain safe operating procedures!

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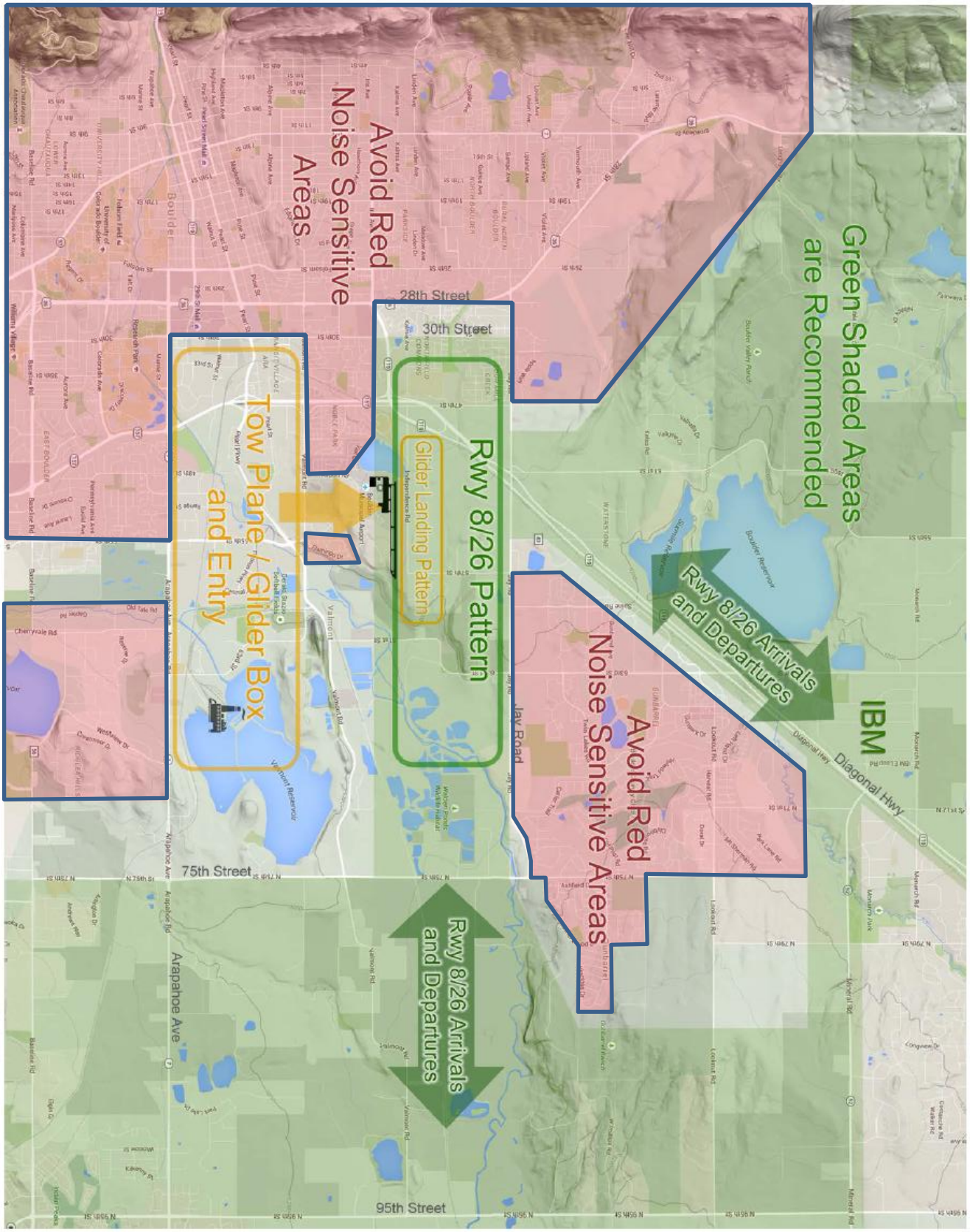

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Journeys Aviation
Boulder, Colorado

Pilot and Aircraft Checkout Procedures

Pilot's Name: _____ Date: _____/_____/_____

Aircraft Make & Model: _____ Tail Number: N_____

Total Flight Time: _____ In Make & Model: _____

A Procedures and Maneuvers

Maneuver or task:	Enter Date Performed:
Ground Discussion:	
1. Review Boulder Municipal Airport Noise Abatement Procedure	_____
2. Airport familiarization	_____
3. Aircraft Questionnaire (for each aircraft type)	_____
4. Usage of a pre-heater unit during cold weather operations	_____
5. Emergencies (to include):	
During takeoff	_____
In flight	_____
Lost communication	_____
Electrical failure, fire	_____
Flight Procedures/Maneuvers	
6. Preflight inspection and proper handling & care of equipment	_____
7. Use of Aircraft Checklist	_____
8. Proper ground procedures (taxiing, run-up and before takeoff)	_____
9. Practice Area familiarization	_____
10. Steep Turns	_____
11. Maneuvering during slow flight	_____
12. Stall recoveries (power-on and power-off)	_____
13. In-flight emergencies	_____
14. Normal/Crosswind takeoffs and landings	_____
15. Soft and short field takeoffs and landings	_____
16. No flap Landings	_____
17. After landing procedures	_____
18. Parking	_____
19. Aircraft Tie-Down/Returning into hangar	_____

B Completion of Aircraft Checkout:

Optional Remarks: _____

_____

_____	_____	_____	_____/_____
CFI Please Print	CFI Signature	Cert.#:	Exp Date:

I have received an aircraft checkout consisting of the procedures and maneuvers as noted above.

_____	_____/_____/_____
Pilot Signature:	Date:

Schedule Pointe: Check "Checked Out" box; select completion date; & select instructor from the dropdown box.

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