

Air Paso Aircraft Check Out Sheet

Pilot Name: _____ FAA# _____

Aircraft Make/Model: _____ N# _____

Pilot Total Hours: _____ Total Time in Type: _____

Check out Instructor: _____

All pilots are to complete a check out sheet prior to solo/PIC operation of any Air Paso aircraft. Use the POH/AFM to answer the following questions. Review all items with your instructor prior to performing the flight section of the check out.

SYSTEMS

Engine Make/Model: _____ HP rating _____ Fuel Injection _____

Oil Grade: _____ Oil Capacity: _____ Minimum Oil: _____

Normal Operating Oil Temp: _____ Normal Operating Oil Pressure: _____

Fuel Type: _____ Fuel Color: _____ # of Tanks _____ Capacity Each Tank: _____

Total Usable Fuel: _____ Total Unusable Fuel: _____ # of Fuel Drain Valves: _____

Location(s) of drain valves: _____

Location of Fuel Selector/valve: _____

Does this aircraft have an auxiliary fuel pump? _____ If so, when should it be turned on?

Landing Gear Type: _____ Flap Type: _____

Location of Pitot Tube: _____ Location of Static Port: _____

Vacuum Gauge Location: _____ Normal Operating Range: _____

Propeller Make/Model: _____ Propeller Type: _____

Electrical System Voltage: _____ Alternator or Generator: _____ Output: _____

Circuit Breakers or Fuses: _____ Location: _____

Master Switch Type: _____ Location: _____

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PERFORMANCE

Aircraft Operating Speeds (Designate in Knots or MPH)

Normal Rotation Speed (Vr)	Stall Speed - Landing Configuration (Vso)
Best Rate of Climb Speed (Vy)	Stall Speed - Clean, Gear-up (Vs)
Best Angle of Climb Speed (Vx)	Stall Speed - 60 Degree Bank, Full Flaps
Normal Climb-out Speed	Stall Speed - 60 Degree Bank, 0 flaps
Normal Cruise Speed	Design Maneuvering Speed (Va)
Maximum Flap Extended Speed (Vfe)	Never-exceed Speed (Vne)
Maximum Landing Gear Operating Speed (Vlo)	Maximum Structural Cruising Speed (Vno)
Maximum Landing Gear Extended Speed (Vle)	Best Glide Speed (Vg)

What effects Va? _____

Demonstrated crosswind component: _____ Service Ceiling _____

Identify aircraft performance for the following flight and environmental conditions:

TAKE OFF DISTANCE

Max gross weight, sea level, standard temperature, standard pressure, 10 kts headwind

Ground roll _____

Total distance over 50 foot obstacle _____

Max gross weight, 6000 foot pressure altitude, 28 degrees centigrade, 5 kts tailwind

Ground roll _____

Total distance over 50 foot obstacle _____

CLIMB

Max gross weight, sea level, standard temperature

Vertical speed _____ Fuel Burn _____

Max Gross weight, 7000 foot pressure altitude, 25 degrees centigrade

Vertical speed _____ Fuel Burn _____

CRUISE

7000 feet pressure altitude, 15 degrees centigrade, 75% power

Endurance (time) _____ Fuel Burn _____

4500 feet pressure altitude, 20 degrees centigrade, 65% power

Endurance _____ Fuel Burn _____

LANDING

Max gross weight, sea level, standard temperature, 10 kts headwind

Landing roll: _____

Total distance over 50 foot obstacle: _____

Max gross weight, 5000 foot pressure altitude, 25 degrees centigrade, 5 knot tail wind, rain

Landing roll: _____

Total distance over 50 foot obstacle: _____

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PROCEDURE

What is the priming procedure for a cold start? _____

What is the procedure to resolve a flooded engine? _____

During start up, you experience an engine fire. What are your actions? What might be the cause?

When should the mixture be leaned: _____

Describe how to lean the fuel air mixture: _____

During run up, you experience a 200 RPM drop when checking the right magneto. What do you suspect and what are your actions? _____

During take off, you experience an engine failure at 300 ft AGL. What are your actions?

During Cruise flight you notice a slow degrade of RPM. What do you suspect and what are your actions? _____

During cruise flight you observe a low voltage indication. For your aircraft, what is the indication, what do you suspect, and what are your actions? _____

During cruise flight you notice an opaque white substance beginning to accumulate on a wing strut. What do you suspect and what are your actions? _____

Describe the procedure for an in-flight electrical fire: _____

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WEIGHT AND BALANCE

Use the data for your specific aircraft to complete this section.

Maximum Gross Weight: _____ Basic Empty Weight: _____

Useful Load: _____ Useful Load with Full Fuel: _____

Maximum Weight in baggage compartment(s): _____

Perform a weight balance calculation for the following conditions:

1) Your weight as pilot, a 190 lbs. front seat passenger, a 160lbs. rear seat passenger, 55lbs. of baggage in the forward compartment, and 40 gallons of fuel.

Item	Weight	Arm	Moment
Basic Empty Weight			
Fuel			
Seats, Front			
Seats, Rear			
Baggage, front			
Baggage, rear			
Total			
Within Standard Category Limits?			

2) Your weight as pilot, a 180 lbs. front seat passenger, a 150 lbs. rear seat passenger, 50lbs. or baggage in the forward compartment, 20lbs baggage in the rear compartment, and 30 gallons of fuel

Item	Weight	Arm	Moment
Basic Empty Weight			
Fuel			
Seats, Front			
Seats, Rear			
Baggage, front			
Baggage, rear			
Total			
Within Standard Category Limits?			

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DOCUMENTS AND FLIGHT EVALUATION

Required Checkout Items – must exceed ACS standards for their level of certificate/rating

- Documents on file (FFA Cert, Medical, Proof of Citizenship/TSA Alien Flight Training Approval)
- Renter's insurance
- Dispatch procedures (Paperless 141)
- Preflight planning
- Preflight inspection
- Airworthiness
- Checklist usage
- Fueling & servicing
- Start, taxi, runup
- Climb, cruise climb
- Normal/crosswind takeoff
- Normal/crosswind landing
- Short-field takeoff & landing
- Soft-field takeoff & landing
- Steep turns
- Slow flight
- Power-on & off stalls
- Stall recovery
- Spin awareness
- Emergencies (fire, failure)
- Electrical fire/fault/failure
- Gear malfunction/failure

Tailwheel only:

- Wheel landings
- 3-point landings
- Forward Slips
- Side Slips

I have personally completed this form and the instructor named below has resolved any questions/deficiencies. I have received a flight check out and feel competent to safely and legally operate the aircraft named on this form.

Pilot Name (Printed)

FAA Cert #

Pilot Signature

Date

I have personally reviewed and corrected this form. I have reviewed any areas found deficient and completed ground training with the above-named pilot. I have completed the flight checkout and find the above-named pilot's knowledge and training adequate to safely operate this aircraft.

Instructor's Name (printed)

FAA Cert #

Instructor Signature

Date