

Advantage Aviation Inc.

SINGLE ENGINE CHECKOUT

Aircraft Make & Model: _____
Instructor: _____

Name: _____
Date: _____

Member Signature: _____

AIRSPEEDS Knots/Miles per hour (circle one)

V_S: _____
V_{SO}: _____
Rotate V_R: _____
V_Y: _____
V_X: _____
V_A: _____
V_{App}: _____
Short field approach: _____
Go around: _____

Cruise climb: _____
V_{FE}: _____
V_{NO}: _____
V_{LE}: _____
V_{LO}: _____
V_{NE}: _____
Max crosswind: _____
Best glide: _____
Max Window Open: _____

ENGINE

Manufacturer: _____
Horsepower: _____

Model: _____
Type: _____

OIL

Absolute minimum: _____
Maximum: _____

Minimum for operation: _____
Grade: _____

FUEL

Grade: _____
Max Capacity (total): _____
Max Capacity (usable): _____

Color: _____
Max total cap. at tabs: _____
Max usable cap. at tabs: _____

WEIGHT AND BALANCE

Max ramp weight: _____
Max landing weight: _____
Useful load: _____

Max takeoff weight: _____
BEW: _____
Max payload w/full fuel: _____

WEIGHT

ARM

MOMENT

BEW	_____
Front seats	_____
Rear seats	_____
Baggage	_____
Fuel	_____
<u>TOTAL</u>	_____

CG in/out: _____ Correction: _____
CG position after 3hrs flight: _____

MISCELLANEOUS

1. During run-up, one of the magnetos is running rough. What is happening and what can you do about it? _____

2. When should the mixture be leaned? _____

3. Explain how to lean the mixture: _____

4. How do you detect carburetor/induction ice? _____

5. What can you do about carburetor/induction ice? _____

6. When should you use carburetor heat? _____

ELECTRICAL SYSTEM

1. If the low voltage warning light illuminates, what might have happened? _____

2. What can be done about it during flight? _____

3. What should you do in the event of an electrical fire? _____

PERFORMANCE

Service ceiling of this aircraft: _____

- TAKE-OFF DISTANCE: (max gross weight)
Max gross weight, sea level, standard temperature, 10 kts headwind:
Takeoff roll: _____
50' obstacle: _____
Max gross weight, 6000' pressure altitude, 28°C, 5 kts headwind:
Takeoff roll: _____
50' obstacle: _____
- CLIMB PERFORMANCE: (no wind)
Max gross weight, sea level, standard temperature: _____
Max gross weight, 7000' pressure altitude, 25°C: _____
- CRUISE: (7000', 15°C, 65% power, full fuel)

Max flight duration with 45 minutes reserve:_____

How many gallons of fuel used:_____

- LANDING DISTANCE:

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

Max gross weight, 6000' pressure altitude, 28°C:

Landing roll:_____

50' obstacle:_____

I affirm that I have reviewed and understand Advantage Aviation's Rules and Regulations

Member Initials: _____

**MUST BE COMPLETED IF PILOT DID NOT EARN PRIVATE PILOT CERTIFICATE AT
ADVANTAGE AVIATION**

ADVANTAGE AVIATION RULES & REGULATIONS

1. What is considered mountain flying under Advantage's Rules and Regulations? _____

2. What is required under Advantage's Rules and Regulations to fly an Advantage airplane in the mountains? And what is required to fly in the mountains at night or in IMC? _____

3. What are the requirements for an Advantage member to land an Advantage aircraft at a mountain airport? Are any common aircraft types prohibited from mountain flying? _____

4. What is required to fly at night in an Advantage aircraft? _____

5. What are the requirements to take an Advantage airplane out of California? _____

6. Can you attach a GoPro-type camera to an Advantage Airplane? _____

7. Who may manipulate the controls of an Advantage airplane? _____

8. Can a member park a vehicle in the tie down space of the Advantage airplane that is being rented while on a flight? _____

9. Can a member "angle" or "spin" an airplane to make it easier to put it in its spot while taxiing in? _____

