

Maneuver's Guide Private/IFS

All aircraft should be operated utilizing **2300 RPM**

All ASEL Maneuvers must be recovered by **1500'**
AGL

1. Pre-maneuver checklist (upside down "L")
 - a. Seat Belts/Shoulder Harness - **Check**
 - b. Gas **Both**
 - c. Mixture **Full Rich**
 - d. Carb Heat – **As required**
 - e. Magnetos – **Both**
 - f. Master – **On**
 - g. Primer – **In and Locked**

2. Slow Flight
 - a. Pre-maneuver checklist
 - b. Clearing turn
 - c. Throttle Reduce to **1500 rpm**
 - d. Carb heat - **On**
 - e. Flaps **Full down** when inside white arc
 - f. Slow to **Bottom of Green Arc**
 - g. Throttle Increase to arrest descent (min **2000 rpm**)
 - h. Bank no more than **STD rate/10 Degrees**
 - i. Pitch for A/S Power for Alt
 - j. Recover
 - i. Throttle Full Open
 - ii. Flaps Reduce incrementally
 - iii. When at cruise speed throttle @ 2300 straight and level

3. Approach to a landing/Power Off Stall
 - a. Pre-maneuver Checklist
 - b. Clearing Turn
 - c. Throttle reduce to **1500 rpm**
 - d. Carb Heat - **On**
 - e. Flaps full down when inside white arc
 - f. Slow to **75 KIAS/ 80 MPH**
 - g. Begin descent Approx **500 FPM**
 - h. Throttle reduce **all the way**
 - i. Nose Pitch to **horizon and hold** until stall

4. Departure/Power On Stall
 - a. Pre-maneuver Checklist
 - b. Clearing Turn
 - c. Throttle Reduce to **1500 RPM**
 - d. A/S slow to **Vr**
 - e. Throttle **Full** (Right rudder)
 - f. Pitch **20 Degree** until stall
 - g. Yoke back pressure **reduce**
 - h. Nose to **horizon**
 - i. When at alt/cruise speed throttle @ 2300 straight and level

5. Steep Turns
 - a. Pre-maneuver checklist
 - b. Clearing Turns
 - c. Aircraft nose – look outside and find your reference in front of aircraft and note hdg
 - d. Bank – increase to **45 degrees** either direction for 360 degrees
 - e. Yoke – **back pressure** to hold altitude
 - f. Bank – Reduce to **zero** by original hdg

6. Emergency Procedure
 - a. **Airspeed to best glide 65 KIAS/ 75 MPH**
 - b. **Best place to land**
 - c. Checklist (Revers "L")
 - i. Fuel – **both**
 - ii. Mixture – **Rich**
 - iii. Carb Heat – **On**
 - iv. Magnetos – **Both**
 - v. Master – **on**
 - vi. Primer – **In and Locked**

- j. Yoke Back Pressure **Reduce**
- k. Throttle **full**
- l. Nose to **horizon**
- m. Flaps **reduce** incrementally
- n. When at alt/cruise speed power @ 2300 straight and level

Appendix B i

- d. Then Back up with checklist
 - e. Squawk -7700
 - f. Radio – 121.5 Mayday Mayday Mayday
 - g. Checklist – Landing w/o power
 - h. Abeam touchdown point is at 1000'
AGL
7. Go Around
- a. Throttle – **Full Open**
 - b. Carb Heat – **Cold**
 - c. Flaps - **20°**
 - d. Climb – **Nose on the horizon**
 - e. Flaps - **Reduce incrementally**
8. Ground Reference Maneuvers
- a. All conducted at 1000' AGL
 - b. All entered on downwind
9. Short Field Takeoff
- a. Flaps – **Up**
10. Soft Field Takeoff
- a. Flaps - **10°**