

## Baron 55-A55 Maneuvers Guide

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### Slow Flight > 4,000 ft. MSL

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Open  
Fuel ----- Mains  
Undercarriage ----Down  
Flaps ----- 20-30deg  
Mixture ----- Best Power  
Power Set ----- 15", Props Forward  
Airspeed ----- **Just above stall**

### Departure Stall > 4,000 ft. MSL

Clearing turns  
Airspeed -----Slow to Blue Line  
Boost pumps -----Off  
Cowl flaps -----Monitor  
Fuel ----- Mains  
Undercarriage ----Down  
Mixture ----- Best Power  
Power Set ----- 21", Props Forward  
Pitch up slowly to first indic of stall buffet

#### **Recovery –**

- Pitch Level, Full throttle
- Flaps up, Gear up

### Poff Stall > 4,000 ft. MSL

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Monitor  
Fuel ----- Mains  
Undercarriage ----Down  
Mixture ----- Best Power  
Power Set ----- 15", Props Forward  
Flaps ----- Extend  
Airspeed ----- 90 kts with 500ft/mn descent  
Throttle ----- Idle and hold altitude until first indication of buffet.

#### **Recovery –**

- Pitch Level, Full throttle
- Flaps up, Gear up

### Vmc Demo 6,000 ft. MSL

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Closed dead engine  
Open good engine  
Fuel ----- Mains  
Undercarriage ----Up  
Mixture ----- Best Power  
Power/Props----- Full on both  
Left engine ----- Close throttle  
Right engine ----- Full Power  
Pitch ----- 100 kts.  
Bank ----- 3° or less bank  
Increase pitch ---- Slowly to Vmc

#### **Recover at:**

- Loss of directional control or
- Stall horn or buffet

#### **Recovery:**

- Lower nose
- Reduce power slightly on good engine
- Pitch for blue line
- Add full power to good engine.
- Maintain blue line.

### Accelerated Stall > 4,000 ft. MSL

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Monitor  
Fuel ----- Mains  
Undercarriage ---- Down  
Mixture ----- Best Power  
Power----- 16", Props Forward  
Airspeed ----- **100 kts (blue line)**  
Bank ----- **45°**  
Add backpressure to buffet

#### **Recovery:**

- Wings level, Pitch level, Full throttle
- Flaps up
- Gear up

### Steep Turns

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Closed  
Fuel ----- Either tanks  
Undercarriage ----Up  
Mixture ----- Best Power  
Power Set ----- 16-17" @ 2300RPM  
Airspeed ----- < **140 kts**  
Bank ----- **>50°**  
Add 2" MP in turn

### Emergency Descent

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Closed  
Fuel ----- Mains  
Undercarriage ----Down  
Mixture ----- Best Power  
Power ----- IDLE  
Props----- Full RPM at Blue line  
Bank ----- **45 degrees**  
Airspeed ----- **140 kts 13° pitch down**

#### **Start recovery at 4,300 MSL**

#### **Recover before 4,000 MSL**

- Gear up
- Restore power to cruise

### Short Field Takeoff

Flaps ----- 10°  
Brakes ----- Hold  
Power – 2,000 RPM – check gauges  
Power ----- Full  
Rotate ----- 80 kts/redline  
Vx ----- 84kts to 50 ft.  
Pitch -----13° then 10° pitch  
Flaps/Gear---- Retract  
Vy 101 kts

### Short Field Landing

Flaps ----- Full  
Airspeed ----- 85-90 Kts  
T/D ----- -0/+100 ft.

### Engine Fire In-Flight Shut-Down

1. Fuel selector -----Off
2. Throttle -----Close
3. Prop ----- Feather
4. Mixture -----Idle Cut-off
5. Aux fuel pump ----- Off
6. Alt/ Mags. ----- Off
7. Emergency Descent if fire doesn't extinguish.

### Air Start/Un-Feathering

1. Mixture----- Rich
2. Fuel Selector ----- Mains
3. Throttle ----- ¼"
4. Boost Pump ----- High then off
6. Mags ----- Both
6. Move Prop Control Full Forward
7. When engine starts, move throttle to 15" to warm engine
8. ALT ----- ON

### Manual Gear Extension

1. Reduce airspeed to 100-120 kts
2. Pull landing gear motor circuit breaker
3. Lower landing gear lever
4. Hand crank counterclockwise
5. Check all Down indicators
6. Verify gear lights and horn

### Drag Demonstration

Clearing turns  
Boost pumps -----Off  
Cowl flaps -----Monitor  
Fuel ----- Either  
Mixture ----- Best Power  
Power----- 11" Right Engine  
Airspeed -----**100 kts (blue line)**  
Flaps ----- 10° at a time  
Gear ----- Extend  
Flaps ----- Retract

