

***Pre Maneuver Checklist:**

| | |
|----------------|-----------|
| Clearing Turns | Complete |
| Fuel Selector | Both |
| Mixture | Full Rich |
| Carb. Heat | OFF |
| Magnetos | Both |
| Primer | Locked |

Power-Off (Approach) Stall:

| | |
|---------------------|--------------------------------------|
| Altitude | Min. 1500 ft. AGL |
| Carb. Heat | On |
| Throttle | 1700 RPM |
| Flaps | 20 degrees |
| Speed | Slow to 70mph |
| Stabilized Approach | Begin descent at specified airspeed |
| Throttle | Reduce to Idle at specified altitude |
| Pitch Attitude | Pitch up as if landing |

—Recovery—

| | |
|---------------|--|
| Back Pressure | Reduced |
| Throttle | Full Open |
| Carb. Heat | Off |
| Wings | Level |
| Flaps | Reduced 10 degrees |
| Pitch | 80mph |
| Flaps | Retract Slowly |
| Airspeed | 80mph and climb to original altitude and level off |

Power-On (Departure) Stall:

| | |
|------------|---------------------|
| Altitude | Min. 1500 ft. AGL |
| Carb. Heat | On |
| Throttle | 1500 RPM |
| Altitude | Maintain |
| Airspeed | Slow to 75mph |
| Pitch | Up as if taking off |
| Throttle | Full Open |
| Carb. Heat | Off |

—Recovery—

| | |
|---------------|---|
| Back Pressure | Reduced |
| Throttle | Full Open |
| Airspeed | Establish Vx or Vy before returning to normal flight attitude |

Ground Reference Maneuvers:

| | |
|----------|--------------------------|
| Altitude | 600 - 1000 ft AGL (2900) |
| Entry | Downwind |
| Exit | Downwind |

Turns-Around-A-Point

Left Downwind to start

Keep radius 30 deg. minimum - 2 turns

Announce Shallow side and Steep Side

S-Turns (as above elongated circle)

FORWARD SLIP - 400ft - NO POWER - FLAPS UP TO 30 degrees

Steep Turns:

| | |
|----------|----------------------------------|
| Altitude | Min. 1500ft. AGL |
| Power | 2300RPM |
| Airspeed | 100mph (V _A or lower) |
| Bank | 45 Degrees - MUST NOT VARY |
| Power | Add if Required |
| Pitch | Slight back-pressure |
| Trim | As required |

Slow Flight:

| | |
|------------|---|
| Altitude | Min. 1500ft. AGL |
| Carb. Heat | On |
| Throttle | 1700 RPM |
| Flaps | One notch at a time |
| Pitch | Up to maintain altitude |
| Airspeed | STALL HORN-60 mph (Flaps down) STALL HORN-65mph (Flaps up) |
| Throttle | Add as necessary to maintain altitude |

Short-Field Takeoff: (50 FT OBSTACLE)

| | |
|-------------|------------------------------------|
| Flaps | Up (10° no obstacle) |
| Runway | Use maximum available |
| Brakes | Hold |
| Throttle | Full Open |
| Engine Inst | Check |
| Brakes | Release |
| (Takeoff) | |
| Rotate | 60mph |
| Airspeed | V _x = 65mph |
| Flaps | Retract clear of all obstacles |
| Airspeed | Increase to V _y = 80mph |

Soft-Field Takeoff:

| | |
|----------|--|
| Flaps | 10° no obstacle |
| Yoke | Full aft |
| Runway | Align on runway centerline without stopping |
| Power | Full Open and release back pressure as speed increases |
| Pitch | Pop wheelie and pitch forward into ground effect |
| Airspeed | 70-80 MPH |
| Flaps | Retract clear of all obstacles |
| Airspeed | Increase to V _y = 80mph |

Short-Field Landing: (50 FT OBSTACLE)

| | |
|-----------|--|
| Flaps | 30° Up to 45 deg.- Dirty |
| Airspeed | 65mph |
| Touchdown | Within 200 ft. of point |
| Braking | Maximum while pulling full aft on yoke |

Soft-Field Landing:

| | |
|------------|-----------------------------|
| Flaps | 30° Up to 45 deg. |
| Touchdown | ADD POWER - SET ATTITUDE |
| Nose wheel | REMOVE POWER - Gently lower |