

**BEFORE STARTING ENGINE**

N44443

- 1. Fuel Selector Valve ..... RIGHT TANK
- 2. Flashing Beacon Switch ..... ON
- 3. Av Master Switch, Autopilot, Elect. Equip... OFF
- 4. Prop Control ..... FULL INCREASE
- 5. Landing Gear Handle ..... DOWN
- 6. Brakes TEST and SET, Parking Brake .... ON
- 7. Circuit Breakers ..... CHECK IN

**STARTING ENGINE - COLD**

- 1. Master Switch ..... ON
- 2. Throttle ..... OPEN ½”
- 3. Electric Fuel Pump ..... ON, Check Pressure
- 4. Mixture Control ..... FULL RICH for 3 Seconds
- 5. Ignition Switch ..... CLEAR/START
- 6. Oil Pressure ..... CHECK

**PRE-TAXI CHECK**

- 1. LEAN engine by increasing ..... RPM
- 2. Navigation Lights ..... ON
- 3. Avionics Master Switch ..... ON
- 4. Transponder ..... SQUAWK 1200
- 5. Autopilot ..... ON
- 6. Magnetic Compass, Directional Gyro ..... CHECK
- 7. Weather ..... ATIS, RECORD

**TAXI CHECK**

- 1. Brakes ..... CHECK
- 2. Turn Coordinator ..... CHECK

**LINEUP CHECK**

- 1. Compass and Directional Gyro Heading ..... CHECK
- 2. Mixture ..... RICH
- 3. Landing Lights ..... ON
- 4. Brakes .....RELEASED
- 5. Circuit Breakers ..... RECHECK

**LIGHTS, CAMERA, ACTION**

**NORMAL TAKEOFF**

- 1. Wing Flaps ..... 0°
- 2. Throttle .....FULL OPEN
- 3. Elevator Control Rotate ..... 60-70 MPH
- 4. Climb Speed .....85 then 95 MPH
- 5. Landing Gear .....UP then 100 MPH
- 6. At desired altitude 25” Manifold Pressure, .2600 RPM

**ENROUTE CLIMB**

- 1. Airspeed ..... 110 MPH
- 2. Throttle..... 25 "
- 3. Propeller .....2600 RPM
- 4. Fuel Pump ..... OFF
- 5. Landing Light .....OFF

**CRUISE**

- 1. Power/Prop Max ..... 24”/2400
- 2. Elevator and Rudder Trim ..... ADJUST
- 3. Mixture ..... LEAN
- 4. SWITCH tanks every ..... 30 minutes
- 5. Engine Gauges ..... CHECK
- 6. Directional Gyro ..... CHECK SET

## DESCENT

N44443

1. Fuel Selector Valve ..... DESIRED TANK

## BEFORE LANDING

1. Seats, Seat Belts, Shoulder Harnesses ..... SECURE

2. Fuel Selector Valve ..... PROPER TANK

3. Fuel Pump ..... ON

4. Mixture-..... SET Full Rich below 1500'

5. Propeller-..... SET < 115MPH (full forward)

6. Landing Lights ..... AS REQUIRED

7. Landing Gear ..... DOWN (150 MPH max)

8. Wing Flaps ..... AS DESIRED below 125 MPH

## NORMAL LANDING (G.U.M.P.S. x 3)

1. Wing Flaps ..... AS DESIRED below 125 MPH

2. Airspeed ..... 90 MPH (flaps down)

3. Propeller ..... 2600 RPM < 115MPH

4. Landing Roll: ..... LOWER NOSE WHEEL GENTLY

## BALKED LANDING

1. Throttle ..... FULL OPEN

2. Wing Flaps 25° ..... IMMEDIATELY

3. Landing Gear ..... RETRACT

4. Climb Speed ..... 81 MPH

## AFTER LANDING

1. Wing Flaps ..... UP

2. Electric Fuel Pump ..... OFF

3. Transponder ..... SQUAWK 1200

4. Landing/Taxi Lights ..... AS REQUIRED

5. Mixture ..... LEAN for Taxi

**BEFORE RUN UP**

- 1. Cabin Door and Window .....CLOSED and LOCKED
- 2. Flight Controls ..... FREE, and CORRECT
- 3. Flight Instruments/Altimeter .....SET
- 4. Electric Fuel Pump ..... ON
- 5. Fuel Selector Valve ..... LEFT TANK
- 6. Mixture Full Rich .....SET
- 7. Elevator and Rudder Trim .....SET FOR TAKEOFF
- 8. Alternator Function ..... CHECK
- 9. Propeller Control .....FULL INCREASE

**RUN-UP**

- 1. Throttle .....2100 RPM
- 2. Magnetos ..... CHECK  
(RPM drop should not exceed 175 RPM on either magneto or 50 RPM differential between magnetos)
- 3. Engine Instruments and Ammeter ..... CHECK
- 4. Vacuum Gauge ..... CHECK (5" +/- .1")
- 5. Alternate Air Source .....CYCLE
- 6. Propeller Control ..... CHECK (Cycle 3 times)
- 7. Electric Fuel Pump .....OFF

**PRE-TAKEOFF**

- 1. Electric Fuel Pump ..... ON
- 2. Engines Gauges ..... CHECKED
- 3. Propeller/Mixture ..... SET
- 4. Trim ..... SET
- 5. Radios (Comm and Nav) ..... SET
- 6. Emergency Procedures ..... BRIEFED
- 7. Cabin Door ..... RECHECK