

**BEFORE STARTING ENGINE**

N2156T

- 1. Fuel Selector Valve .....RIGHT TANK
- 2. Flashing Beacon Switch ..... ON
- 3. Av Master Switch, Autopilot, Elect. Equip ... OFF
- 4. Brakes TEST and SET, Parking Brake ..... ON
- 5. Circuit Breakers ..... CHECK IN

**STARTING ENGINE - COLD**

- 1. Master Switch .....ON
- 2. Carb Heat..... OFF
- 3. Throttle ..... OPEN ½”
- 4. Electric Fuel Pumps ..... ON, Check Pressure
- 5. Throttle ..... Cycle 2x, Open 1/4”
- 6. Primer ..... 1-3 Strokes
- 7. Ignition Switch ..... CLEAR/PUSH TO START
- 8. Oil Pressure/Ammeter ..... CHECK
- 9. Fuel Pump..... OFF

**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

N2156T

1. Compass and Directional Gyro Heading ..... CHECK
2. Mixture ..... RICH
3. Landing Lights ..... ON
4. Brakes .....RELEASED
5. Primer .....IN, LOCKED

## **LIGHTS, CAMERA, ACTION**

### NORMAL TAKEOFF

1. Wing Flaps ..... 0°
2. Throttle ..... FULL OPEN 2275+RPM
3. Elevator Control Rotate ..... 50-60 MPH
4. Climb Speed .....85 then 100 MPH

### ENROUTE CLIMB

1. Airspeed ..... 100 MPH
2. Landing Light.....OFF
3. Fuel Pump ..... OFF

### CRUISE

1. Elevator and Rudder Trim ..... ADJUST
2. Mixture ..... LEAN
3. SWITCH tanks every w/pump on ..... 30 minutes
4. Engine Gauges ..... CHECK
5. Directional Gyro ..... CHECK SET

### DESCENT

1. Fuel Selector Valve .....DESIRED TANK
2. Mixture..... ENRICH
3. Carb Heat ..... ON
4. Throttle..... As Required

## **BEFORE LANDING**

N2156T

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. Wing Flaps ..... AS DESIRED below 115 MPH

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

1. Wing Flaps 0..... 85 MPH
2. Wing Flaps 10..... 80 MPH
3. Wing Flaps 25/40..... 75 MPH
4. Landing Roll: ..... LOWER NOSE WHEEL GENTLY

## **BALKED LANDING**

1. Throttle ..... FULL OPEN
2. Wing Flaps 10° ..... IMMEDIATELY
3. Carb Heat..... OFF
4. Climb Speed ..... 75 MPH, Then 85 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

## **SHUTDOWN**

1. Avionics Master..... OFF
2. Mixture..... IDLE/CUTOFF

**BEFORE RUN UP**

1. Cabin Door and Window .....CLOSED and LOCKED
2. Flight Controls ..... FREE, and CORRECT
3. Flight Instruments/Altimeter .....SET
4. Primer.....In/Locked
5. Fuel Selector Valve ..... LEFT TANK
6. Mixture Full Rich .....SET
7. Elevator and Rudder Trim .....SET FOR TAKEOFF
8. Alternator Function ..... CHECK

**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. Carb Heat ..... ON, Slight Drop, OFF
6. Propeller Control ..... CHECK (Cycle 3 times)

**PRE-TAKEOFF**

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