

**BEFORE STARTING ENGINE**

N2306D

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

**STARTING ENGINE - COLD**

1. Throttle ..... CLOSED
2. Mixture Control ..... FULL RICH
3. Electric Fuel Pump .....ON
4. Throttle ..... Prime 3 Sec at 50-60 PPH
5. Then Throttle .....1/2”
6. Ignition Switch ..... CLEAR/START
7. Oil Pressure/Voltage ..... CHECK

**PRE-TAXI CHECK**

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

## LINEUP CHECK

N2306D

1. Compass and Directional Gyro Heading ..... CHECK
2. Mixture ..... RICH
3. Landing Lights/Strobes ..... ON
4. Brakes .....RELEASED

## **LIGHTS, CAMERA, ACTION**

### NORMAL TAKEOFF

1. Wing Flaps ..... 0°
2. Throttle .....FULL OPEN 2700 RPM
3. Elevator Control Rotate ..... 65-70 KTS
4. Climb Speed .....85 then 100 KTS
5. Landing Gear .....UP then 110-120 KTS
6. At desired alt. Manifold Pressure/RPM ... Top of Green

### NORMAL CLIMB

1. Airspeed ..... 110-120 KTS
2. Throttle/RPM .....Top of Green
3. Landing Light .....OFF

### CRUISE

1. Power/Prop Rec'd ..... 22"/2400
2. Elevator and Rudder Trim ..... ADJUST
3. Mixture ..... LEAN
4. SWITCH tanks every ..... 30 minutes
5. Engine Gauges ..... CHECK
6. Cowl Flaps ..... Closed

### DESCENT

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

## **BEFORE LANDING**

N2306D

1. Seats, Seat Belts, Shoulder Harnesses ..... SECURE
2. Fuel Selector Valve ..... PROPER TANK
4. Mixture- ..... SET Full Rich below 1500'
5. Propeller- ..... SET
6. Landing Light ..... AS REQUIRED
7. Landing Gear ..... DOWN (165 Max)
8. Wing Flaps 10° ..... AS DESIRED below 160 KTS

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

1. Wing Flaps 11-30° AS DESIRED below 109 KTS
2. Airspeed at 20° ..... 80 KTS (flaps down)
3. Landing Roll: LOWER NOSE WHEEL GENTLY

## **BALKED LANDING**

1. Throttle ..... FULL OPEN
2. Wing Flaps 20° ..... IMMEDIATELY
3. Landing Gear ..... RETRACT
4. Climb Speed ..... 80 KTS
5. Normal Climb ..... See Normal Climb Checklist

## **AFTER LANDING**

1. Wing Flaps ..... UP
2. Transponder ..... SQUAWK 1200
3. Landing/Taxi Lights ..... AS REQUIRED
4. Mixture ..... LEAN for Taxi

## **SHUTDOWN**

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

## TAXI CHECK

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

## 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 .....OFF
5. Fuel Selector Valve ..... LEFT TANK
6. Mixture Full Rich .....SET
7. Elevator and Rudder Trim .....SET FOR TAKEOFF
8. Cowl Flaps .....OPEN
9. Propeller Control .....FULL INCREASE

## RUN-UP

1. Throttle ..... 1700 RPM
2. Magnetos ..... CHECK  
(RPM drop should not exceed 150 RPM on either magneto  
or 50 RPM differential between magnetos)
3. Engine Instruments and Ammeter ..... CHECK
4. Vacuum Gauge ..... CHECK (5" +/- .1")
5. Propeller Control ..... CHECK (Cycle 3 times)

## PRE-TAKEOFF

1. Electric Fuel Pump .....OFF
2. Engines Gauges ..... CHECKED
3. Radios (Comm and Nav) .....SET
4. Emergency Procedures ..... BRIEFED
5. Cabin Door ..... RECHECK