

## EXTERIOR INSPECTION

### CHECK:

#### COCKPIT

1. MASTER SW OFF      NOTE: Check lights  
                                 For night  
FUEL QUANTITY      Carry flashlight  
FUEL VALVE ON  
REM CONTROL LOCK.  
BAGGAGE STORED  
AIRCRAFT PAPERS

#### TAIL

2. TAIL STRUCTURE  
TAIL CONTROL SURFACES  
& GUST LOCKS  
TIE DOWNS

#### RIGHT WING

3. WING STRUCTURE  
GUST LOCKS & CONTRL SURF

#### RIGHT WING INBOARD

4. TIRES & BRAKE HOSES  
SECURE FUEL CAP  
WING TIE-DOWN  
DRAIN & SAMPLE FUEL

#### NOSE AND COWL

5. OIL LEVEL  
4 QUARTS MIN.  
PROPELLER & SPINNER  
FOR NICKS & CRACKS  
CARB. AIR FILTER  
DRAIN & SAMPLE MAIN  
FUEL TANK  
NOSE WHEEL & TIRE  
OIL AND FUEL LEAKS  
COWL SECURITY  
FUEL LEVEL AND CAP  
& GAGE FREE MOVEMENT  
WINDSHIELD, CLEAN, CRACKS

#### LEFT WING INBOARD

6. WHEEL, TIRE, BRAKES HOSES  
FUEL LEVEL AND CAP SECURE  
WING TIE DOWN  
DRAIN & SAMPLE FUEL

#### LEFT WING

7. REMOVE PITOT TUBE COVER  
CHECK FOR PLUGGED TUBE  
8. REMOVE GUST LOCK  
CONTROL SURFACE  
STRUCTURE

## OPERATING CHECKLIST FOR ERCOUCPE N2474H

### BEFORE STARTING ENGINE

1. SEAT BELTS
2. BRAKES SET
3. FUEL VALVE ON
4. MASTER SWITCH ON
5. CLEAR PROP

### STARTING ENGINE

1. CARB HEAT COLD
2. MIXTURE RICH
3. PRIME AS REQ
4. IGNITION SWITCH BOTH
5. THROTTLE 1/8-1/4
6. PROP CLEAR
7. STARTER PULL
8. RADIO, TRANSP OFF

### BEFORE TAKE-OFF

1. THROTTLE 600/800RPM
2. INSTRUMENTS: GREEN ARC  
AMPS-CHRGING  
OIL PRESS 30-40 PSI  
OIL TEMP 100-220 DEG F.
3. MAGNETOS R&L 75 RPM DIFF MAX  
AT 1700 RPM
4. CARB HEAT CHECK- RPM DROP
5. FLIGHT CONTROLS-FREE
6. TRIM TAB ADJUST FOR T/O
7. FLIGHT INSTR. SET

D/G

HORZ

CLOCK

8. RADIO, TRANSP ON
9. WINDOWS LOCKED

### TAKE-OFF

1. CARB HEAT AS APPROP.
2. MIXTURE FULL RICH
3. THROTTLE FULL OPEN
4. CLIMB 60 MPH IND. MIN.
5. STROBE ON

### CLIMB

1. 80 MPH IAS
2. THROTTLE FULL OPEN
3. MIXTURE FULL RICH
4. LEAN IF REQ.

### MAX PERFORMANCE CLIMB

1. AIRSPEED 60 MPH IAS
2. THROTTLE FULL OPEN
3. MIXTURE FULL RICH  
LEAN IF REQ

### CRUISE

1. RPM 2400-2450
2. DG SET AS REQ

### BEFORE LANDING

1. MIXTURE RICH
2. CARB HEAT FULL ON  
ON DOWN WIND
3. AIRSPEED 80-90 IAS

4. GEAR DOWN

### LANDING

1. TOUCH DOWN MAIN WHEELS FIRST
2. ROLLOUT LOWER NOSE GEAR
3. DRAKE AS REQ

4. STROBE OFF

### AFTER LANDING

1. CARB HEAT-COLD
2. MIXTURE LEAN

### SECURE AIRCRAFT

1. RADIOS, TRANSP. OFF
2. ALL SWITCHES OFF
3. MAGS OFF
4. MASTER SWITCH OFF