

# **SUNRISE AVIATION**

## **CESSNA 172 R**

### **PREFLIGHT INSPECTION**

1. Squawk sheet & Hobbs.....CHECK
2. AROW documents.....CHECK
3. Control lock ..... REMOVE
4. Avionics Master ..... OFF
5. Accessories ..... OFF
6. Ignition Switch ..... OFF/KEY OUT
7. Master Switch-Battery side .....ON
8. Annunciator Lights..... TEST
9. Flaps .....DOWN 10
10. Fuel gauges.....CHECK
11. Master Switch..... OFF
12. Fuel Shut-off valve .....ON
13. Exterior pre-flight ..... PERFORM

### **PRE-START**

1. Seat ..... ADJUSTED
2. Seat belts, Harnesses .....ON
3. Brakes ..... SET
4. Fuel Shut-off Valve.....ON
5. Fuel Selector ..... BOTH
6. Circuit breakers ..... ALL IN
7. Avionics Master & Access ..... OFF
8. Clock ..... SET

### **STARTING ENGINE**

1. Master Switch--Battery Side.....ON
2. Throttle ..... FULL
3. Oil Temp..... CHECK FOR 130°
4. Mixture.....ENGINE COLD: RICH  
..... ENGINE HOT: LEAN
5. Aux Pump..... COLD: ON 3 SEC  
..... HOT: FUNCTION CHECK
6. Throttle ..... 1/4"
7. Mixture.....LEAN
8. Area..... CLEAR

9. Ignition Switch ..... START  
..... MIX RICH AS ENG. CATCHES
10. Throttle ..... 1000 RPM
11. Oil pressure.....CHECK
12. Alternator.....ON
13. Ammeter, Suction.....CHECK

### **PRE-TAXI**

1. Beacon .....ON
2. Flaps ..... FULL DOWN, UP
3. Mixture ..... LEANED SLIGHTLY
4. Avionics Master .....ON
5. GPS Database & Ops .....CHECK
6. ATIS, Altimeter .....RECEIVED
7. Clearance .....RECEIVED
8. Ground Control.....CONTACT

### **TAXI**

1. Brakes and Steering..... CHECK
2. Mag Compass ..... CHECK
3. Attitude indicator .....CHECK
4. Heading Indicator .....CHECK
5. Turn Coordinator .....CHECK

### **ENGINE RUNUP & PRE-TAKEOFF**

1. Nosewheel straight..... PARK
2. Area..... CLEAR
3. Brakes ..... SET
4. Mixture Idle Check .....  
..... 10/50 RPM MAX RISE
5. Mixture ..... RICH
6. Throttle ..... 1700 RPM
7. Engine Gauges .....CHECK
8. Mixture . LEAN & SET 1/2 WAY IN
9. MAGS...(R-B-L-B)125 MAX DROP  
..... (50 MAX DIFFER.)
10. Ammeter..... CHECK WITH FLAPS  
CONTINUED

**Sunrise Aviation**  
**123.3**

**Newport Jet Center**  
**122.85**

- 11. Suction .....CHECK
- 12. Throttle .....IDLE CHECK
- 13. Throttle ..... 1200 RPM
- 14. Flight Instruments.. CHECK & SET
- 15. Fuel Selector ..... BOTH
- 16. Fuel Shutoff Valve .....ON
- 17. Fuel ..... CHECK QUANTITY
- 18. Trim ..... SET & CHECK
- 19. Flaps ..... SET & CHECK
- 20. Throttle Friction ..... SET
- 21. Mags/Master.....CHECK
- 22. Doors and Windows ..... CLOSED
- 23. Controls ..... FREE & CORRECT
- 24. Radios ..... SET
- 25. Transponder  
.....SET CODE, STANDBY

8. Seat belts ..... SECURE

**POST LANDING-CLEAR OF RUNWAY**

- 1. Lights..... OFF AS NECESSARY
- 2. Aux Pump..... OFF
- 3. Flaps .....UP
- 4. Radios ..... SET

**SHUT DOWN**

- 1. Throttle ..... 1000 RPM
- 2. Radios, Intercom & Electric ... OFF
- 3. Mags ....OFF BRIEFLY, THEN ON
- 4. Mixture .....IDLE CUT OFF
- 5. Mags ..... OFF, KEY OUT
- 6. MASTER ..... OFF

**NORMAL TAKEOFF**

- 1. Runway Items  
..... LIGHTS, CAMERA, ACTION
- 2. Throttle ..... FULL
- 3. RPM, Oil Pressure.....CHECK
- 4. Rotate..... 50 KTS
- 5. Climb ..... Vx OR Vy

**SECURING AIRCRAFT**

- 1. Tiedown.....THREE POINTS
- 2. Chocks ... ONE WHEEL MINIMUM
- 3. Control Lock .....INSTALLED
- 4. Hobbs and Tach .....RECORDED
- 5. Prop.....VERTICAL
- 6. Headsets & Checklists REMOVED
- 7. Doors (3) ..... LOCKED

**CRUISE**

- 2. Power ..... REDUCE
- 3. Mixture  
.....LEAN AS NECESSARY

**LANDING**

- 1. Gas.....ON BOTH
- 2. Undercarriage .....DOWN
- 3. Mixture..... SET
- 4. Prop..... SET
- 5. Brakes .....CHECK
- 6. Lights.....ON
- 7. Engine gauges .....CHECK

***Sunrise Aviation***  
**123.3**

***Newport Jet Center***  
**122.85**