

# **SUNRISE AVIATION**

## **CESSNA 172 RG**

### **PREFLIGHT INSPECTION**

1. Squawk sheet and Hobbs CHECK
2. ARROW documents ..... CHECK
3. Control lock ..... REMOVE
4. Avionics master, electrical..... OFF
5. Auto pilot ..... OFF
6. Gear handle.....DOWN
7. Master Switch-Battery side .....ON
8. Low voltage light ..... CHECK ON
9. Flaps .....DOWN
10. Fuel gauges .....CHECK
11. Master Switch..... OFF
12. Hydraulic fluid.....CHECK
13. Exterior pre-flight..... PERFORM

### **PRE-START**

1. Seat ..... ADJUSTED
2. Seat belts, Harnesses .....ON
3. Brakes ..... SET
4. Fuel selector valve ..... BOTH
5. Cowl flaps.....OPEN
6. Circuit breakers ..... ALL IN
7. Radios and Accessories..... OFF
8. Clock ..... SET

### **STARTING ENGINE**

1. Mixture..... RICH
2. Throttle .....CRACKED
3. Prop..... FORWARD
4. Carb Heat ..... COLD
5. Fuel pump ..... OFF
6. Master Switch-Battery Side .....ON
7. Prime ..... AS REQUIRED
8. Area..... CLEAR
9. Ignition Switch ..... START
10. Throttle ..... 1000 RPM

11. Oil pressure.....CHECK
12. Alternator Switch .....ON
13. Ammeter, Suction.....CHECK

### **PRE-TAXI**

1. Electrical, Intercom.....ON
2. Flaps ..... FULL DOWN, UP
3. Mixture ..... LEANED SLIGHTLY
4. Avionics master, radios .....ON
5. ATIS, Altimeter .....RECEIVED
6. 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 ..... SET RICH
5. Prop.....FORWARD
6. Throttle ..... 1700 RPM
7. Engine Gauges .....CHECK
8. Carb Heat ..... ON 5 SEC, OFF
9. Mixture .....CHECK, SET RICH
10. Aux fuel pump--ON/OFF  
.....CHECK FOR PRESSURE RISE
11. Prop..... CYCLE
12. MAGS (R-B-L-B) . 125 MAX DROP  
..... 50 MAX DIFFER.
13. Ammeter..... CHECK WITH FLAPS
14. Suction .....CHECK
15. Throttle .....IDLE CHECK
16. Throttle ..... 1200 RPM

### **CONTINUED**

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17. Flight Instruments.. CHECK & SET
18. Fuel Selector .....ON
19. Fuel Quantity .....CHECK
20. Elevator and rudder trim..... SET
21. Flaps ..... SET & CHECK
21. Cowl flaps.....OPEN
22. Mixture..... SET
23. Throttle Friction ..... SET
24. Carb Heat ..... SET
25. Mags/Master/Primer ..... CHECK
26. Doors and Windows ..... CLOSED
27. Controls .....FREE
28. Radios ..... SET
29. Transponder .....CODE, STANDBY

**NORMAL TAKEOFF**

1. Runway Items.....  
..... LIGHTS, CAMERA, ACTION
2. Throttle ..... FULL
3. RPM, Oil Pressure.....CHECK
4. Rotate..... 55 KTS
5. Climb ..... Vx OR Vy

**ENROUTE CLIMB**

1. Power .....25"/ 2500 RPM

**CRUISE**

1. Power ..... REDUCE
2. Cowl flaps..... CLOSE
3. Mixture.....LEAN

**LANDING**

1. Cowl flaps..... CLOSED
1. Gas.....ON BOTH
2. Undercarriage .....DOWN
3. Mixture..... SET
4. Prop..... FORWARD
5. Seat belts and switches.....ON

**POST LANDING-CLEAR OF RUNWAY**

1. Lights..... OFF AS NECESSARY
2. Carb Heat ..... OFF
3. Flaps ..... UP
4. Cowl flaps..... OPEN
5. Radios ..... SET

**SHUT DOWN**

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

**SECURING AIRCRAFT**

1. Tiedown.....THREE POINTS
2. Chocks ... ONE WHEEL MINIMUM
3. Fuel valve ..... RIGHT TANK
4. Control Lock .....INSTALLED
5. Seat Belts ..... SECURE
6. Hobbs and Tach .....RECORDED
7. Prop.....VERTICAL
8. Headsets &Checklists . REMOVED
9. Door ..... LOCKED

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