

## CHECKLIST FOR SUNDOWNER C23 VFR N6012J

### BEFORE ENGINE START

1. Seats, Seat Belts, Shoulder Harnesses>>>ADJUST & LOCK
2. Fuel Shutoff Valve>>>MORE NEARLY FULL TANK
3. Avionics Master>>>OFF
4. Electrical Equipment>>>OFF
5. Circuit Breakers>>>CHECK IN

### ENGINE START

1. Brakes>>>SET
2. Mixture>>>RICH
3. Carburetor Heat>>>COLD
4. Propeller Area>>>CLEAR
5. Master Switch>>>ON
6. Fuel Boost Pump>>>ON
7. Prime>>>AS REQUIRED
8. Ignition>>>START
9. Oil Pressure>>>IN THE GREEN
10. Ammeter>>>IN THE GREEN
11. Flashing Beacon>>>ON
12. Alternator>>>ON
13. Avionics Master>>>ON
14. Fuel Boost Pump>>OFF

### BEFORE TAXI

1. Radios>>>Emergency 121.5 LISTEN
  2. ATIS>>>LISTEN TO
  3. Clearance Delivery>>>CALL
  4. Transponder>>>STANDBY AND SQUAWK
  5. Lights>>>AS REQUIRED
  6. Directional Gyro>>>SET
  7. Ground>>>CALL FOR TAXI
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4. Flaps>>>UP
  4. Trim>>>SET

### BEFORE TAKEOFF

1. Brakes>>>SET
2. Doors & Windows>>>LOCKED
3. Flight Controls>>>FREE & CORRECT
4. Flight Instruments>>>SET
5. Fuel Shutoff Valve>>>MORE NEARLY FULL TANK
6. Trim>>>SET
7. Mixture>>>RICH
8. Throttle>>>2200 RPM:
  - a. Magnetos>>>CHECK LEFT THEN RIGHT  
(Max drop>>>125 RPM)  
(Max diff>>>50 RPM)
  - b. Carburetor Heat>>>ON THEN OFF
  - c. Engine Instruments & Ammeter>>>CHECK
  - d. Suction Gauge>>>CHECK IN GREEN
9. Throttle>>>REDUCE TO 1000 RPM
10. Radios>>>SET TO TOWER
11. Throttle Friction Lock>>>ADJUST
12. Fuel Boost Pump>>>ON
13. Transponder>>>SET ON ALT

### TAKEOFF

1. Flaps>>>0 DEGREES
2. Carburetor Heat>>>COLD
3. Throttle>>>FULL FORWARD
4. Rotation>>>60 KTS
5. Climb Speed>>>75 TO 85 KTS

**ENROUTE CLIMB**

- 1. Airspeed>>>85 KTS
- 2. Throttle>>>FULL FORWARD
- 3. Mixture>>>LEAN AS REQUIRED

**CRUISE**

- 1. Power>>>AS REQUIRED
- 2. Elevator Trim>>>ADJUST
- 3. Fuel Boost Pump>>>OFF
- 4. Mixture>>>LEAN

**DESCENT**

- 1. Mixture>>>RICH
- 2. Power>>>AS DESIRED
- 3. Carburetor Heat>>>AS REQUIRED

**BEFORE LANDING**

- 1. Seats, Seat Belts, Shoulder Harnesses>>>ADJUST & LOCK
- 2. Mixture>>>RICH
- 3. Carburetor Heat>>>AS REQUIRED
- 4. Fuel Boost Pump>>>ON
- 5. Fuel Selector Valve>>>MORE NEARLY FULL TANK

**AFTER LANDING**

- 1. Flaps>>>UP
- 2. Carburetor Heat>>>COLD
- 3. Fuel Boost Pump>>>OFF

**SHUTDOWN**

- 1. Avionics Master>>>OFF
- 2. Mixture>>>IDLE CUTOFF
- 3. Flaps>>>UP
- 4. Trim>>>SET FOR TAKEOFF
- 5. Electrical Equipment>>>OFF
- 6. Ignition Switch>>>OFF
- 7. Master Switch>>>OFF
- 8. Airplane>>>SECURE (Tie down/chocks)
- 9. Airplane Time Log>>>RECORD TIME
- 10. Radio>>> SET TO 121.5

**N6012J 1979 Sundowner 180 h.p. C23**  
**GROSS WT 2450**  
**FUEL - 58 GAL 56 USABLE**  
**SLOTS = 20 GAL EACH SIDE**  
**TABS = 15 GAL EACH SIDE**  
**GPH - 10 RANGE 5.5 HRS (no reserve)**

**Vx-69 KTS**  
**Vy-75**  
**Va-118**  
**Vfe-96**  
**Vno-136**  
**Vne-152**  
**Vs-62**  
**Vso-52**

**BEST GLIDE-78**  
**ROTATION-65**

**APPROACH FULL FLAPS-65**  
**APPROACH NO FLAPS-73**

**LIGHT GUN SIGNALS**

**ST GREEN =**  
**FL GREEN =**  
**ST RED =**  
**FL RED =**  
**FL WHITE =**  
**ALTERNATE RED & GREEN =**

**ON THE GROUND**

**OK TAKEOFF**  
**OK TO TAXI**  
**STOP**  
**TAXI CLEAR**  
**RETURN TO**  
**EXTREME CAUTION**

**IN THE AIR**

**OK TO LAND**  
**RETURN FOR LANDING**  
**GIVE WAY & CIRCLE**  
**A/P UNSAFE**  
**STARTING POINT**  
**EXTREME CAUTION**