

## CHECKLIST FOR C-172 VFR N4352R

### BEFORE ENGINE START

1. Seats, Seat Belts, Shoulder Harnesses>>>ADJUST & LOCK
2. Fuel Shutoff Valve>>>ON BOTH
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. Prime>>>As required (None if engine warm)
5. Throttle>>>OPEN 1/4 INCH
6. Propeller Area>>>CLEAR
7. Master Switch>>>ON
8. Ignition>>>START (Release when engine starts)
9. Throttle>>>ADJUST TO 1000 RPM
10. Oil Pressure>>>IN THE GREEN (within 30 seconds)
11. Ammeter>>>CHECK FOR CHARGE
12. Flashing Beacon>>>ON

### BEFORE TAXI

1. Avionics Master>>>ON CHECK EMERGENCY FREQ 121.5
2. ATIS>>>LISTEN TO
3. Clearance Delivery>>>CALL
4. Transponder>>>SET CORRECT CODE OR STANDBY
5. Directional Gyro>>>SET.
6. Radios>>>SET TO GROUND
7. Brakes>>>RELEASE & CHECK

### BEFORE TAKEOFF

1. Brakes>>>ON
2. Cabin Doors & Windows>>>CLOSED & LOCKED
3. Flight Controls>>>FREE & CORRECT
4. Flight Instruments>>>SET
5. Fuel Shutoff Valve>>>BOTH
6. Mixture>>>FULL RICH
7. Elevator Trim>>>SET TAKEOFF RANGE
8. Throttle>>>1700 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. Transponder>>>SET ON ALT
13. Strobe lights>>>ON

### TAKEOFF

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

### ENROUTE CLIMB

1. Airspeed>>>80 to 90 MPH
2. Throttle>>>FULL FORWARD
3. Mixture>>>LEAN AS REQUIRED

### CRUISE

1. Power>>>AS REQUIRED
2. Elevator Trim>>>ADJUST
3. Mixture>>>LEAN

### DESCENT

1. Mixture>>>ADJUST FOR SMOOTH OPERATION
2. Power>>>AS DESIRED
3. Carburetor Heat>>>AS REQUIRED

### BEFORE LANDING

1. Seats, Seat Belts, Shoulder Harnesses>>>ADJUST AND LOCK
2. Mixture>>>RICH
3. Carburetor Heat>>>AS REQUIRED
4. Fuel Selector Valve>>>ON

### AFTER LANDING

1. Flaps>>>UP (When clear of the runway)
2. Carburetor Heat>>>COLD

### SHUTDOWN

1. Radios set to>>>EMERGENCY FREQ 121.5
2. Avionics Master>>>OFF
3. Mixture>>>IDLE CUTOFF
4. Flaps>>>UP
5. Trim>>>SET FOR TAKEOFF
6. Electrical Equipment>>>OFF
7. Ignition Switch>>>OFF (After engine stops)
8. Master Switch>>>OFF
8. Airplane>>>SECURE (Tie down/chocks)
9. Airplane Time Log>>>RECORD TIME

N4352R 1974 C-172

GROSS WT 2300

USEFUL LOAD 826

FUEL - 52 GAL 48 USABLE (288 pounds)

GPH - 8 RANGE 6 HRS (no reserve)

Vx-68 MPH

Vy-75-85

Va-112

Vfe-100

Vno-145

Vne-182

Vs-57

Vso-49

BEST GLIDE-80

ROTATION-60

#### LIGHT GUN SIGNALS

ST GREEN =

FL GREEN =

ST RED =

FL RED =

FL WHITE =

ALTERNATE RED & GREEN EXTREME CAUTION

#### ON THE GROUND

OK TAKEOFF

OK TO TAXI

STOP

TAXI CLEAR

RETURN TO

#### IN THE AIR

OK TO LAND

RETURN FOR LANDING

GIVE WAY & CIRCLE

A/P UNSAFE

STARTING POINT

EXTREME CAUTION