

CHECKLIST FOR C-172 VFR N733QH

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 800 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 (121.5)
2. ATIS>>LISTEN TO
3. Clearance Delivery>>>CALL
4. Directional Gyro>>>SET
5. Transponder>>>SET CORRECT CODE OR STANDBY
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 800 RPM
10. Radios>>>SET TO TOWER
11. Throttle Friction Lock>>>ADJUST
12. Transponder>>>SET ON ALT

TAKEOFF

1. Flaps>>>0 DEGREES
2. Carburetor Heat>>>COLD
3. Throttle>>>FULL FORWARD
4. Rotation>>>55 KTS
5. Climb Speed>>>65 TO 75 KTS

ENROUTE CLIMB

1. Airspeed>>>70 to 80 KTS
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
5. FLARE AT 70 KTS, 20 DEGREES OF FLAPS

AFTER LANDING

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

SHUTDOWN

1. Radios set to>>>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
9. Airplane>>>SECURE (Tie down/chocks)
10. Airplane Time Log>>>RECORD TIME

N733QH 1977 C-172N

GROSS WT 2300

USEFUL LOAD

FUEL - 42 GAL 38 USABLE (228 pounds)

GPH - 8 RANGE 4.7 HRS (no reserve)

Vx-59 KTS

Vy-70

Va-97

Vfe-85

Vno-128

Vne-160

Vso-36

Vs-42

BEST GLIDE-65

ROTATION-55

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

EXTREME CAUTION

IN THE AIR

OK TO LAND

RETURN FOR LANDING

GIVE WAY & CIRCLE

A/P UNSAFE

STARTING POINT

EXTREME CAUTION