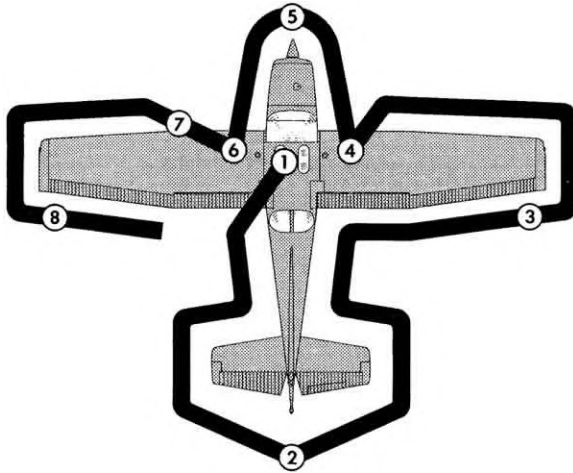


NORTHWEST FLIGHT SERVICE
SKYHAWK N738BS

PREFLIGHT CHECKLIST

*For Use Only With an Approved C-172N POH/AFM
 (Revised 4/19)*



PREFLIGHT INSPECTION

- Hobbs/Tach CHECK/RECORD
- Weather..... CHECK
- Weight and Balance.....COMPUTED
- Fuel.....AS REQUIRED
- Pitot Tube Cover..... REMOVE

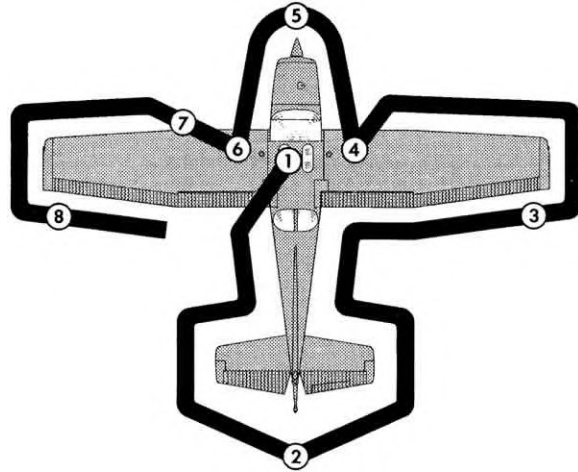
INTERIOR ①

- Fire Extinguisher CHECK
- Aircraft Documents (AROW)..... CHECK
- Control Wheel LockREMOVE
- Ignition Switch.....OFF
- Avionics Power Switch.....OFF
- Master Switch.....ON
- Fuel Quantity IndicatorsCHECK QUANTITY
- Alternate Static Source.....OFF
- Lights/Pitot Heat..... CHECK
- FlapsFULLY EXTEND
- Master Switch.....OFF
- Airsickness Bags..... CHECK
- Baggage and Loose ItemsSTOWED

EMPENAGE ②

- Tail Tiedown DISCONNECT
- Control Surfaces(Freedom & Security) CHECK
- Trim TabCHECK
- AntennasCHECK

NORTHWEST FLIGHT SCHOOL



RIGHT WING ③ ④

- Flap..... (Security) CHECK
- Aileron..... (Freedom & Security) CHECK
- Wing Tie-Down.....DISCONNECT
- Fuel Tank Sumps (1 Each Wing)CHECK BOTH WINGS
Check for Water and Sediment

- Fuel Quantity..... CHECK VISUALLY
- Fuel Filler Cap.....CHECK VENT/SECURE
- Main Wheel Tire, Brake disc, Pads and Lines CHECK

NOSE ⑤

- Windshield CLEAN
- Fuel Sump..... TAKE SAMPLE
- Oil QuantityCHECK (5-7 QTS) & SECURE CAP
- Oil Access Door.....SECURE
- Engine Cooling Air Inlets.....CHECK
- Alternator Belt.....CHECK
- Propeller & SpinnerCHECK
- Engine Air FilterCHECK
- Nose Wheel Strut & TireCHECK
- Landing & Taxi Lights..... CHECK CONDITION & CLEANLINESS
- Static Source OpeningCHECK

LEFT WING ⑥ ⑦ ⑧

- Fuel Quantity.....CHECK VISUALLY
- Fuel Filler Cap CHECK VENT/SECURE
- Pitot Tube..... CHECK UNOBSTRUCTED
- Stall Horn Opening CHECK UNOBSTRUCTED
- Fuel Tank Vent.....CHECK
- Aileron..... (Freedom & Security) CHECK
- Flap..... (Security) CHECK
- Main Wheel Tire, Brake Disc & PadsCHECK
- Wing Tie-Down..... DISCONNECT
- Baggage DoorSECURE

SKYHAWK N738BS

NORMAL CHECKLIST

For Use Only With an Approved C-172N POH/AFM
(Revised 4/19)

BEFORE STARTING ENGINE

Preflight InspectionCOMPLETE

PASSENGER BRIEF

*Doors, Seats & Seatbelts, Fire Extinguisher, No Smoking,
PIC Authority, Positive Exchange of Flight Controls
Air Vents, Airsickness Bags*

Passenger BriefCOMPLETE
Seat & Seat Belts ADJUST & LOCK
Circuit Breakers CHECK IN
Electrical Equipment OFF EXCEPT BEACON (NAV NIGHT)
Avionics Master Switch OFF
Fuel Selector Valve CHECK/BOTH
Flight Controls FREE & CORRECT
Brakes SET

ENGINE START (With Battery)

Mixture RICH
Throttle 1/8" OPEN
Carburetor Heat COLD
Prime AS REQUIRED
2-6 Strokes, None for Warm Engine

Prop Area CLEAR
Master Switch ON
Beacon (Nav for Night) ON
Ignition START
Throttle 1000 RPM
Oil Pressure (In Less Than 15 Seconds) CHECK GREEN
Mixture LEAN FOR RPM RISE

NOTE:

*If engine floods (over primed), set mixture to idle cutoff,
open throttle 1/2 to full, and crank engine. When engine
starts, set mixture to full rich and close throttle promptly.*

AFTER START

Avionics Master Switch ON
Comms ATIS/AWOS/CLEARANCE IF REQUIRED
Altimeter SET BOTH
Transponder 1200
GPS/NAVS SET/COURSE
Attitude/Heading Indicator SET BRIGHTNESS
Flaps RETRACT
Strobes ON

TAXI

Taxi Clearance OBTAIN & BRIEF
Taxi Area CLEAR
Taxi Light ON
Brakes CHECK
Wind Corrections APPLY
Flight Instruments (Al/TC/HI/VSI) CHECK
Sterile Cockpit NO NON-ESSENTIAL CONVERSATION

RUN UP

Mixture FULL RICH BELOW 3000' DA
Throttle 1700 RPM
Magnetos (<125 Drop, <50 Differential) CHECK
Carburetor Heat ON/CHECK/OFF
Engine Instruments CHECK GREEN
Ammeter CHECK CHARGE
Throttle IDLE/CHECK
Throttle/Throttle Friction 1000 RPM/SET

PRE-TAKEOFF BRIEF

Engine Failure or Abnormality Prior to Rotation
CLOSE THROTTLE, STOP STRAIGHT AHEAD & AVOID OBSTACLES
Engine Failure After Rotation
LAND STRAIGHT AHEAD

DEPARTURE BRIEF

Initial Altitude & Heading. Brief Departure Procedure

BEFORE TAKEOFF

Pre-takeoff/Departure Brief COMPLETE
Fuel Selector Valve BOTH
Trim SET FOR TAKEOFF
Flaps SET
Mixture VERIFY SET
Comms SET FOR DEPARTURE
Transponder SET SQUAWK/VERIFY ALT
GPS/NAV AS REQ FOR DEPARTURE
Heading Bug SET
Seats, Belts, Harnesses SECURE
Doors & Windows CLOSED & LOCKED

WHEN CLEARED FOR TAKEOFF

Landing Light ON
Pitot Heat AS REQ
Takeoff Time RECORD
Runway Heading VERIFY

V-SPEEDS

Vr 55 KIAS
Vx 59 KIAS
Vy 73 KIAS
Va 2400 Pounds 97 KIAS
2100 Pounds 89 KIAS
1700 Pounds 80 KIAS

CLIMB (Out of 1000' AGL)

Airspeed Vy +5-10 KIAS
Flaps UP
Throttle FULL
Mixture LEAN FOR MAX RPM

CRUISE

Power ($\leq 75\%$ Power per POH) SET
Engine Instruments CHECK GREEN
Mixture LEAN FOR MAX RPM
Landing/Taxi Lights OFF

DESCENT

ATIS/AWOS CHECK
Approach Briefing COMPLETE
Altimeter SET BOTH
Heading Bug SET
Fuel Selector BOTH
Parking Break CHECK RELEASED
Landing Light ON

WHEN DIRECT TO IAF OR VECTORED

Flight & NAV Instruments SET/IDENT
GPS/NAV/COMM SET

BEFORE LANDING CHECKLIST

Seats, Belts & Harnesses SECURE
Fuel Selector Valve BOTH
Mixture RICH/AS REQUIRED
Carburetor Heat ON
Lights ON
Primer IN/LOCKED

GO AROUND/MISSED APPROACH

Throttle FULL OPEN
Carburetor Heat OFF
Wing Flaps (IMMEDIATELY) 20°
Climb Speed 55 KIAS
Wing Flaps 10°

Maintain Safe Airspeed Until Clear of Obstacles

Wing Flaps (When Clear of Obstacles) RETRACT
Mixture LEAN FOR MAX RPM (Above 3000 DA)

AFTER LANDING (Stopped)

Flaps RETRACT
Mixture LEAN FOR TAXI
Carburetor Heat OFF
Lights AS REQUIRED
Taxi Clearance OBTAIN & BRIEF

NOTE:

Turn strobes off when taxiing near other aircraft/personnel.

SHUTDOWN

Transponder 1200
Avionics Master OFF
Electrical Equipment OFF EXCEPT BEACON (NAV Night)
Throttle IDLE
Magnetos CHECK GROUNDED
Mixture CUTOFF
Ignition Switch OFF
Master Switch OFF
Trim SET FOR TAKEOFF
Fuel Selector Valve LEFT OR RIGHT

SECURING AIRCRAFT

Hobbs/Tach CHECK/RECORD
Flight Control Lock SECURE
Sunscreens INSTALL
Tiedown/Chock SECURE
Pitot Cover INSTALL
Walkaround COMPLETE

V-SPEEDS

| | |
|----------------|---------|
| Vr | 55 KIAS |
| Vx | 59 KIAS |
| Vy | 73 KIAS |
| Va 2400 Pounds | 97 KIAS |
| 2000 Pounds | 89 KIAS |
| 1700 Pounds | 80 KIAS |