



**CESSNA 172 SKYHAWK II Seaplane**

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**PRE-FLIGHT INSPECTION**

**Cabin**

- 01 A/M documents.....Check
- 02 Paddle, Rope, Life Vests...On Board
- 03 Fuel Q.ty Indicator.....Check
- 04 Ignition Switch.....OFF/Keys Out
- 05 Avionic Power Switch.....OFF
- 06 Master Switch.....OFF
- 07 V Bar.....Check

**EXTERNAL INSPECTION**

- 01 Fuel Q.ty.....CHECK WITH STICK
- 02 Floats.....CHECK/EMPTY

**BEFORE START ENGINE**

- 01 Seats.....ADJUSTED
- 02 Circuit Breakers.....ALL IN
- 03 Electrical Equipment.....OFF
- 04 Master Switch.....OFF
- 05 Fuel Selector Valve.....BOTH
- 06 Water Rudders...VISUAL CK/DWN

**ENGINE START UP**

- 01 Master Switch.....ON
- 02 Beacon.....ON
- 03 Mixture.....RICH
- 04 Primer.....AS REQUIRED
- 05 Throttle.....1/8 INCH
- 06 Propeller Area.....CLEAR !
- 07 Ignition Switch.....BOTH/START
- 08 Oil Pressure.....INCREASING
- 09 Alternator.....Low volt light OFF

**WATER TAXIING**

- 01 Throttle.....1000 RPM or LESS
- 02 Navigation Lights.....ON
- 03 Avionic Master Switch.....ON
- 04 Radios.....ON/SET
- 05 Flight Instruments.....CHECK/SET
- 06 Nav Instrument.....CHECK/SET
- 07 Flight Controls..CKFREE/CORRECT
- 08 Flaps.....CHECK
- 09 Take Off Briefing.....PERFORMED

**ENGINE RUN UP**

- 01 Fuel Selector Valve.....BOTH
- 02 Engine Instruments...GREEN ARC
- 03 Circuit Breakers.....ALL IN
- 04 Throttle.....MIIMUM for 6 SEC
- 05 Throttle.....1700 Rpm
- 06 Carburetor Air.....CHECK
- 07 Mixture.....CHECK

- 08 Ignition Switch..Δ125rpm/Diff50 rpm
- 09 Suction Gauge.....GREEN ARC
- 10 Throttle.....1000 Rpm or LESS

**BEFORE TAKEOFF**

- 01 Cabin Doors/Windows..CLSD/LCKD
- 02 Seats/Belts/Harnesses....ADJ/LCKD
- 03 Flights Controls.....CHECK/FREE
- 04 Engine Instruments....GREEN ARC
- 05 Master Switch.....ON
- 06 Ignition Switch.....BOTH
- 07 Mixture.....RICH (below 3000')
- 08 Carburetor Air.....COLD
- 09 Wing Flap.....0°-10° (10° preferred)
- 10 Trim.....SET FOR TAKE OFF
- 11 Fuel Selector Valve.....BOTH
- 12 Throttle Friction Lock...ADJUSTED
- 13 Take Off Area.....CLEAR
- 14 Landing & Strobe Lights.....ON

**LINE UP**

- 01 Water Rudder.....UP
- 02 Throttle.....FULL OPEN/CK RPM

**AFTER TAKE OFF**

- 01 Flap.....0°
- 02 Landing Lights.....OFF
- 03 Power.....CHECK

**CLIMB**

- 01 Fuel Selector Valve.....BOTH
- 02 Mixture.....AS REQUIRED
- 03 Engine Instruments.....CHECK
- 04 Fuel Qty.....CHECK

**DESCENT**

- 01 Landing Light.....ON
- 02 Carburetor Air.....AS REQUIRED
- 03 Mixture.....AS REQUIRED
- 04 Fuel Selector Valve.....BOTH

**BEFORE LANDING**

- 01 Seats/Belts/Harnesses....SECURED
- 02 Ignition Switch.....BOTH
- 03 Mixture.....RICH
- 04 Carburetor Air.....COLD
- 05 Fuel Selector Valve.....BOTH
- 06 Water Rudder.....UP

**GO AROUND**

01. **Attitude**.....Vx
02. **Throttle**.....FULL OPEN
03. **Carburator Air**.....COLD
04. **Wing Flaps**.....20° (immediately)
05. **Fuel Q.ty**.....CHECK

**AFTER LANDING**

01. **Water Rudders**.....DOWN
02. **Wing Flaps**.....0°
03. **Carburator Air**.....COLD
04. **Landing & Strobe Lights**.....OFF
05. **Trim**.....NEUTRAL
06. **Throttle**.....1000Rpm or LESS

**DOCKING**

01. **Throttle**.....MINIMUM
02. **Radios**.....OFF
03. **Avionic Power Switch**.....OFF
04. **Electrical Equipment**.....OFF
05. **Mixture**.....CUT OFF
06. **Ignition Switch**.....OFF/Keys Out
07. **Master Switch**.....OFF

**LEAVING THE PLANE**

01. **Water Rudders**.....UP
02. **Trim**.....NEUTRAL
03. **Mixture**.....IDLE/CUT OFF
04. **Electrical Equipment**.....OFF
05. **Ignition Switch**.....OFF/Keys Out
06. **Master Switch**.....OFF
07. **Cabin Doors**.....BOTH UNLOCK

**GLASSY LANDING**

01. **Flaps**.....20°
02. **Attitude**.....POSITIVE
03. **Variometer**.....Vz max = -200ft/min

**PARAMETERS**

<b>Vclimb Max Perf. 10° Flaps</b> .....	53 Kias
<b>Vbest Angle</b> .....	53 Kias
<b>Vbest Glide s.l</b> .....	64 Kias
<b>Vbest Glide (10.000')</b> .....	57 Kias
<b>Vnormal Climb</b> .....	65 Kias
<b>Vapp (0°)</b> .....	65/75 Kias
<b>Vapp (Down)</b> .....	60/65 Kias
<b>Climb Power</b> .....	2500 Rpm
<b>Cruise Power 75%</b> .....	2350 Rpm

A/C	MTOW	EMPTY	FUEL
I-SAAB	1.066 kg	747 Kg	208 L
I-BISB	1066 Kg	772.Kg	204 L
I-SIPI	1066 Kg	774 Kg	204 L
I-PVLC	1066 Kg	757 Kg	204 L

**ENGINE FAILURE  
During Flight**

Memory Items:

01. **Airspeed**.....65 Kias Flap 0°
02. **Carburator Air**.....ON
03. **Fuel Selector**.....BOTH
04. **Mixture**.....RICH
05. **Ignition Switch**.....BOTH/START
06. **Primer**.....IN/LOCK

**Forced Landing Without engine Power**

01. **Airseed**.....65 Kias Flup 0°
02. **May Day**.....EXECUTE
03. **Mixture**.....CUT-OFF
04. **Fuel Selector**.....OFF
05. **Ignition Switch**.....OFF
06. **Wing Flaps**.....AS REQ. 30° recommended
07. **Master**.....OFF
08. **Doors**.....UNLATCH
09. **Touchdown**...SLIGHTLY TAIL LOW