



## CESSNA 172 XP Amphibian

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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
- 08 Trim Controls.....NEUTRAL
- 09 Water Rudders.....CHECK cables

### EXTERNAL INSPECTION

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

### BEFORE START ENGINE

- 01 Seats,Belts,Harnesses....ADJ/LCKD
- 02 Circuit Breakers.....ALL IN
- 03 Electrical Equipment.....OFF
- 04 Master Switch.....OFF
- 05 Fuel Shutoff Valve...ON /push full in
- 06 Fuel Selector Valve.....BOTH
- 07 Cowl Flap.....OPEN
- 08 Brakes.....TEST/SET (Gnd)
- 09 Landing Gear.....UP (Water)  
.....DOWN (Gnd)
- 10 Water Rudders....  
VISUAL CK/DWN (Water)  
VISUALLY CK/UP (Gnd)

### ENGINE START UP

- 01 Beacon.....ON
- 02 Mixture.....RICH
- 03 Propeller.....HIGH RPM
- 04 Throttle.....CLOSED
- 05 Master Switch.....ON
- 06 Aux Fuel Pmp Switch.....HIGH
- 07 Throttle..Advance to obtain 8-10 GPH  
.....hen CLOSED position
- 08 Aux Fuel Pmp Switch.....CLOSED
- 09 Propeller Area.....CLEAR !
- 10 Ignition Switch.....BOTH/START
- 11 Throttle.....800-1000 Rpm
- 12 Oil Pressure.....INCREASING

### WATER TAXIING

- 01 Parking Brake.....RELEASED (Gnd)
- 02 Throttle.....800 RPM or LESS

### 03 Water Rudders

- .....DWN (Water)
- .....UP (Gnd)

### 04 Landing Gear.....UP (Water) .....DOWN (Gnd)

- 05 Navigation Lights.....ON
- 06 Avionic Master Switch.....ON
- 07 Radios.....ON/SET
- 08 Flight Instruments.....CHECK/SET
- 09 Nav Instrument.....CHECK/SET
- 10 Flight Controls.CK FREE/CORRECT
- 11 Flaps.....CHECK
- 12 Take Off Briefing.....PERFORMED

### ENGINE RUN UP

- 01 Parking Brake.....SET (Gnd)
- 02 Fuel Selector Valve.....BOTH
- 03 Circuit Breakers.....ALL IN
- 04 Throttle.....MIIMUM for 6 SEC
- 05 Throttle.....1800 Rpm
- 06 Magnetos...CK Δ150rpm/Diff50 rpm
- 07 Propeller.....CYCLE
- 08 Engine Instru/Ammeter ....CHECK
- 09 Suction Gauge.....CHECK (4,6-5,4)
- 10 Throttle.....800 Rpm

### BEFORE TAKEOFF

- 01 Cabin Doors/Windows..CLSD/LCKD
- 02 Seats/Belts/Harnesses....ADJ/LCKD
- 03 Landing Gear.....UP-4 BLUE(Water)  
.....DOWN-4 GREEN (Gnd)
- 04 Flights Controls.....CHECK/FREE
- 05 Engine Instruments.....CHECK
- 06 Master Switch.....ON
- 07 Ignition Switch.....BOTH
- 08 Mixture.....LEAN  
.....For Fied Elevation/Placard
- 09 Trims Controls.....SET FOR T/O
- 10 Wing Flap.....0°-20°  
(20° Short Field and Water)
- 11 Fuel Selector Valve.....BOTH
- 12 Fuel Shuoff Valve....ON/Push full in
- 13 Throttle Friction Lock...ADJUSTED
- 14 Landing & Strobe Lights.....ON
- 15 Take Off Area.....CLEAR

### LINE UP

- 01 Water Rudders.....UP
- 02 Throttle.....FULL CK 2600 Rpm

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**AFTER TAKE OFF**

- 01 **Landing** ...GearUP-4 Blue-Visual CK
- 02 **Flap**.....UP
- 03 **Power**..FULL Throttle and 2600 Rpm

**CLIMB**

- 01 **Fuel Selector Valve**.....BOTH
- 02 **Mixture**.....LEAN for Placard
- 03 **Engine Instruments**.....CHECK
- 04 **Fuel Qty**.....CHECK
- 05 **Cowl Flap**.....OPEN as RQRD

**CRUISE**

- 01 **Power**.....15-25 “Hg/2200-2600Rpm  
.....No More than 80%Pwr
- 02 **Mixture**..LEAN using f/f Comp or  
table in Section 5
- 03 **Trims**.....ADJUSTED
- 04 **Cowl Flap**.....CLOSED

**DESCENT**

- 01 **Landing Light**.....ON
- 02 **Power**.....AS DESERED
- 03 **Mixture**.....ENRICHEN as rqrđ for  
engine smoothness
- 04 **Cowl Flap**.....CLOSED
- 05 **Fuel Selector Valve**.....BOTH

**BEFORE LANDING**

- 01 **Seats/Belts/Harnesses**...ADJ/LOCK
- 02 **Propeller**.....HIGH Rpm
- 03 **Ignition Switch**.....BOTH
- 04 **Mixture**.....RICH
- 05 **Fuel Selector Valve**.....BOTH
- 06 **Cowl Flap**.....CLOSED
- 07 **Water Rudders**.....UP
- 08 **Landing Gear**  
UP-4 Blue-Visual CK (Water)  
DOWN- 4 Green-Visual CK (Gnd)

**GO AROUND**

- 01. **Attitude**.....Vx
- 02. **Pwr**...FULL Throttle and 2600 Rpm
- 03. **Wing Flaps** Retract 20° immediately
- 04. **Cowl Flap**.....OPEN
- 05. **Fuel Q.ty**.....CHECK

**AFTER LANDING**

- 01. **Water Rudders**.....Down (Water)  
.....UP (Gnd)
- 02. **Wing Flaps**.....RETRACT
- 03. **Cowl Flap**..... OPEN

- 04. **Landing & Strobe Lights**.....OFF
- 05. **Trim Controls**.....NEUTRAL
- 06. **Throttle**.....800Rpm or LESS

**AT THE RAMP**

- 01 **Throttle**.....MINIMUM
- 02 **Landing Gear**.....DOWN-4 Green

**DOCKING/PARKING**

- 01. **Throttle**.....800 Rpm
- 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. **Parking Brake**.....SET
- 02. **Water Rudders**.....UP
- 03. **Throttle**.....IDLE
- 04. **Mixture**.....IDLE/CUT OFF
- 05. **Electrical Equipment**.....OFF
- 06. **Ignition Switch**.....OFF/Keys Out
- 07. **Master Switch**.....OFF
- 08. **Trims Controls**.....NEUTRAL
- 09. **Fuel Selector Valve**.....RIGHT
- 10. **Cabin Doors**.....BOTH UNLOCK

**GLASSY LANDING**

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

**PARAMETERS**

<b>V Best Rate</b> .....	72 Kias(s.l.)
<b>Vbest Angle</b> .....	56 Kias (s.l.)
<b>Vbest Glide s.l</b> .....	70 Kias
<b>Vbest Glide (10.000')</b> .....	66 Kias
<b>Vnormal Climb</b> .....	80/90 Kias
<b>Vapp (0°)</b> .....	65/75 Kias
<b>Vapp (40°)</b> .....	55/65 Kias
<b>Climb Power</b> .....	2600 Rpm
<b>Cruise Power</b> .....	15-25"/2200-2600 Rpm