



**NORMAL / EMERGENCY CHECKLIST**  
**Cessna 172 P Amphibian**

REV. 01.09.2020

<b>COCKPIT CHECK</b>	
Preflight Inspection	COMPLETED
V-Bar	CHECKED
Documents & Papers	ON BOARD
Emergency Equipment	ON BOARD
Seats, Seat Belts	ADJUSTED, FASTENED
Cabin Doors	CLOSED
All Switches	"OFF"
Avionic Master	"OFF"
Circuit Breakers	CHECKED
<b>Gear Lever (Land)</b>	<b>DOWN</b>
<b>Gear Lever (Water)</b>	<b>UP</b>
Throttle	CLOSED
Mixture	CUT OFF
Fuel Selector Valve	"BOTH"
<b>Water Rudders (Land)</b>	<b>DOWN</b>
<b>Water Rudders (Water)</b>	<b>DOWN</b>
<b>COCKPIT CHECK COMPLETED</b>	

<b>BEFORE START-UP CHECK</b>	
Battery & Alternator	"ON"
ENG.INSTR. / EDM-900	"ON"
Fuel Quantity	CHECK, ADJUST EDM-900
Beacon	"ON"
<b>BEFORE START-UP CHECK COMPLETED</b>	

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<b>ENGINE START</b>	
Mixture	"RICH"
Throttle	"IDLE" >> 3mm forward
Carburetor Heat	"COLD"
Primer	AS REQUIRED
Prop. Area	Call "CLEAR!"
Throttle	Stabilize @ 1000 RPM
Oil Pressure/Temp.	CHECK
<b>ENG START-UP CHECK COMPLETED</b>	

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<b>AFTER START-UP CHECK</b>	
Avionic Master	"ON"
Radio & Navs	SET
Flap operation	CHECKED
Flight Controls	FREE & FULL TRVL
<b>AFTER START-UP CHECK COMPLETED</b>	

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<b>TAXI CHECK</b>	
Water Rudders (Land)	"UP"
Water Rudders (Water)	"DOWN"
Engine Parameter	CHECK
Landing / Taxi Light	"ON"
Turning Instruments	CHECK
T/O + Emerg. Briefing	PERFORM
<b>TAXI CHECK COMPLETED</b>	

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<b>ENGINE RUN-UP CHECK</b>	
Engine Instruments	CHECK
Throttle	"1700 RPM"
Magnetos (max 150/50)	CHECK
Carburetor Heat	CHECK
Suction Gage	CHECK
Trottle	"IDLE", THEN "1000 RPM"
<b>ENG RUN-UP CHECK COMPLETED</b>	

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<b>BEFORE T/O CHECK</b>	
Engine Parameter	CHECK
Transponder	"ON" / ("ALT")
<b>Gear (Land)</b>	<b>"DOWN" 4 GREEN</b>
<b>Flaps Set for T/O</b>	<b>10° - (LAND)</b>
<b>Gear (Water)</b>	<b>"UP" 4 BLUE</b>
<b>Flaps Set for T/O</b>	<b>20° - (WATER)</b>
Elevator Trim	SET TAKEOFF
Water Rudders for T/O	"UP"
Landing Lights	"ON"
T/O + Emerg. Briefing	PERFORMED
<b>BEFORE T/O CHECK COMPLETED</b>	

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Best rate of climb	70 KIAS
Normal climb	80 KIAS
Best glide speed	70 KIAS

<b>AFTER T/O CHECK</b>	
Gear	<b>"UP" 4 BLUE</b>
Climb Power Set	SET
<b>Flaps (Land)</b>	<b>UP @ 70 KIAS</b>
<b>Flaps (Water)</b>	<b>10° @ 60 KIAS</b>
<b>Flaps (Water)</b>	<b>UP @ 70 KIAS</b>
Landing Lights	"OFF"
<b>AFTER T/O CHECK COMPLETED</b>	

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CRUISE CHECK	
Power	SET @ ~ 2300 RPM
Altimeters	SET
Gear	Recheck UP
Ops Checks	PERFORM REGULARLY
<b>CRUISE CHECK COMPLETE</b>	

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BEFORE LANDING CHECK	
Mixture	RICH / "FULL FORWARD"
Landing Light	"ON"
Tank Selector	BOTH / FULLEST TANK
Water Rudders	UP
<b>BEFORE LANDING CHECK COMPLETE</b>	

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FINAL CHECK	
<b>Flaps Set</b>	<b>max. 20° LAND</b>
<b>Flaps Set</b>	<b>max. 20° WATER</b>
Mixture	RICH / "FULL FORWARD"
Carburetor Heat	AS REQUIRED
<b>Gear (Land)</b>	<b>"DOWN" 4 GREEN</b>
<b>Gear (Water)</b>	<b>"UP" 4 BLUE</b>
<b>FINAL CHECK COMPLETED</b>	

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<b>AFTER LANDING CHECK</b>	
Flaps	"UP"
<b>Water Rudder</b>	<b>"DOWN"</b>
<b>Water Rudder</b>	<b>"DOWN"</b>
Landing Light	"OFF"
Taxi Light	"ON"
Transponder	"STBY"
<b>AFTER LDG CHECK COMPLETED</b>	

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<b>ENGINE SHUT DOWN CHECK</b>	
Avionic Master	"OFF"
Throttle	1000 RPM
Mixture	"CUT OFF"
EDM-900	"OFF"
Ignition	"OFF"
Battery & Alternator	"OFF"
All Switches	"OFF"
Tank Selector	Set to one side
Water Rudders	"DOWN"
V-Bar	CHECK
Times, Fuel	NOTE
<b>ENG. SHUT DOWN CHECK COMPLETED</b>	

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**GEAR**

**LDG GEAR MALFUNCTION PROCEDURES  
LDG GEAR FAILS TO RETRACT OR EXTEND**

Battery Switch	"ON"
Ldg Gear Switch	RECHECK DSRD POS.
Ldg Gear Circuit Breaker	CHECK "IN"
Hand Pump Pos. Valve	CHECK "NEUTRAL"
Gear Lights	JE - "DOWN" / 4 GREEN
Gear Position	CHECK VISUALLY

**IF GEAR STILL IN IMPROPER POSITION**

Ldg Gear Switch	RECYCLE
Ldg Gear Motor	CHECK RED LIGHT "ON"
Airspeed	REDUCE to minimize airload on Gear

**IF PUMP IS RUNNING INTERMITTENDLY  
OR GEAR IS NOT MOVING**

Hand Pump Valve Pos.-Selector	PLACE IN SAME POS. as LDG Gear SWITCH
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**NOTE** Hand Pump Position Selector must be aligned in the same position as the Ldg Gear Switch

Gear Operation	VISUALLY VERIFY
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**IF GEAR MOTOR IS INOPERATIV OR  
GEAR IS STIL NOT IN DESIRED POSITION**

Ldg Gear Pump Circuit Breaker	PULL "OFF"
Ldg Gear Switch	DESIRED POSITION
Hand Pump Pos. Valve	PLACE IN SAME POSIT.
Emergency Hand Pump	PUMP UNTIL RESISTANCE BECOMES HEAVY(~100 cycl)
Gear Position Lights	CHECK DESIRED LIGHTS(4)
Gear Position	CONFIRM VISUALLY

**WARNING**

**DO NOT LAND ON WATER UNLESS ALL  
FOUR WHEELS ARE FULLY RETRACTED**

**GEAR**

**ENGINE****ENGINE FAILURE DURING TAKEOFF RUN**

Throttle	IDLE
Brakes (Land)	APPLY
Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

**ENGINE FAILURE AFTER TAKEOFF**

Airspeed	Flaps "UP"	70 KIAS
	Flaps "DN"	65 KIAS
Mixture/Fuel Selector Valve	CUT OFF / OFF	
Ignition Switch	OFF	
Flaps	AS REQUIRED	
Master Switch	OFF	

**ENGINE FAILURE DURING FLIGHT**

Airspeed	75 KIAS
Primer	IN & LOCKED
Fuel Selector Valve	BOTH
Mixture	RICH
Throttle	1/2 OPEN
Ignition Switch	BOTH/START

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**ENGINE**



**FORCED LDG****FORCED LANDINGS  
EMERGENCY LANDING WITHOUT POWER**

Airspeed	Flaps UP	70 KIAS
	Flaps Down	65 KIAS
Seat Belts	SECURE	
Mixture	CUT-OFF	
Fuel Shutoff Valve	OFF	
All Switches/ <b>except Master!</b>	OFF	
<b>Flaps Set</b>	<b>10°</b>	
Gear (Land -smooth)	<b>"UP"</b>	<b>4 BLUE</b>
Gear (Land -rough)	<b>"DOWN"</b>	<b>4 GREEN</b>
<b>Gear (Water)</b>	<b>"UP"</b>	<b>4 BLUE</b>
Master Switch	OFF	
Doors	UNLATCH PRIOR TO TOUCHDOWN	
Touchdown	SLIGHTLY TAIL LOW	

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**FORCED LDG**

**FIRE**

**FIRE  
DURING START ON GROUND**

Mixture	CUT-OFF
Parking Brake	RELEASE
Airplane	EVACUATE
Fire	EXTINGUISH

**ENGINE FIRE IN FLIGHT**

Throttle	CLOSE
Mixture	CUT-OFF
Fuel Shutoff	OFF
Master Switch	OFF
Cabin Heat and Air	OFF

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**cont. FORCED LANDING (refer p.16)**

**FIRE**