



NORMAL / EMERGENCY CHECKLIST
Cessna 172 P Amphibian

REV.30.06.2017

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

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BEFORE START-UP CHECK	
Battery & Alternator	"ON"
EDM-900	"ON"
Fuel Quantity	CHECKED
Beacon	"ON"
BEFORE START-UP CHECK COMPLETED	

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ENGINE START	
Mixture	"RICH"
Throttle	"IDLE"
Carburetor Heat	"COLD"
Primer	"AS REQUIRED"
Prop. Area	"CLEAR"
Throttle	1000 RPM
Oil Pressure	CHECK
ENG START-UP CHECK COMPLETED	

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AFTER START-UP CHECK	
Avionic Master	"ON"
Radio & Navs	SET
Flap operation	CHECKED
Flight Controls	FREE & FULL TRVL
T/O + Emerg. Briefing	PERFORMED
AFTER START-UP CHECK COMPLETED	

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TAXI CHECK	
Engine Parameter	CHECK
Landing / Taxi Light	ON
Turning Instruments	CHECKED
TAXI CHECK COMPLETED	

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ENGINE RUN-UP CHECK	
Engine Instruments	CHECKED
Trottle	1700 RPM
Magnetos (max 150/50)	CHECKED
Carburetor Heat	CHECKED
Suction Gage	CHECKED
ENG RUN-UP CHECK COMPLETED	

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

Best rate of climb 70 KIAS
 Normal climb 80 KIAS
 c172 Best glide speed 70 KIAS

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

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CRUISE CHECK	
Power	SET
Altimeters	SET
CRUISE CHECK COMPLETE	

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BEFORE LANDING CHECK	
Mixture	RICH
Tank Selector	BOTH / FULLEST TANK
Water Rudders	UP
BEFORE LANDING CHECK COMPLETE	

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

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AFTER LANDING CHECK	
Flaps	"UP"
Water Rudder	"DOWN"
Water Rudder	"DOWN"
Landing Light	"OFF"
Transponder	"STBY"
AFTER LDG CHECK COMPLETED	

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ENG SHUT DOWN CHECK	
Avionic Master	"OFF"
Throttle	1200 RPM
Mixture	"CUT OFF"
EDM-900	"OFF"
Ignition	"OFF"
Battery & Alternator	"OFF"
All Swtiches	"OFF"
Water Rudders	"DOWN"
ENG SHUT DOWN CHECK COMPLETED	

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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	P" - 4 GREEN / "DOWN"
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 airloads 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
NOTE Hand Pump Position Selector must be aligned in the same position as the Ldg Gear Switch	
Gear Operation	VISUALLY VERIFY
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	

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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 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/ except Master!	OFF	
Flaps Set	10°	
Gear (Land -smooth)	"DOWN"	4 GREEN
Gear (Land -rough)	"UP"	4 BLUE
Gear (Water)	"UP"	4 BLUE
Master Switch	OFF	
Doors	UNLATCH PRIOR TO TOUCHDOWN	
Touchdown	SLIGHTLY TAIL LOW	

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FORCED LDG

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
FORCED LANDING (refer p.16)	
FIRE	