

Cessna 172 – CHECKLIST

BEFORE ENGINE START	RUN UP
Weather & Den. Alt. -----CHECK Weight & balance-----CHECK Performance Req. -----CHECK Flight Plan-----FILE Papers -----A.R.O.W. Fuel-----BOTH Control Lock -----REMOVED Master-----ON Flaps -----EXTEND Pitot Heat-----TEST Lights Int. / Ext. -----CHECK Fuel Gauges-----CHECK Master -----OFF	Brakes-----SET Fuel -----BOTH Trim-----TAKEOFF Flight Controls -----CHECK Instruments-----CHECK Mixture -----BEST POWER Primer-----IN & LOCK Throttle -----1700 RPM Magnetos-----TEST L & R (NO LESS THAN 125 RPM) Carb. Heat -----TEST Vacuum-----CHECK Amps/Volts -----TEST (ANNUNCIATORS CHECK) Oil Pressure / Temperature-----CHECK Idle -----SET & CHECK Throttle Friction-----SET
PRE - TAKE OFF	
Fuel Quantity / Quality-----CHECK Caps / Drains / Vents -----CHECK Engine / Oil / Belt-----CHECK Propeller / Air Intake -----CHECK Exhaust System-----CHECK Stall Indicator -----TEST Surfaces / Controls-----CHECK Pitot & Static Ports -----CLEAN & CLEAR Gear / Tires / Brakes-----CHECK Antennas -----CHECK Ties / Chocks / Towbar-----REMOVED Baggage Door -----SECURE Final Walk Around-----ACCOMPLISH	Flaps -----0° – 10° Mixture-----RICH BELLOW 3000 FT Carb. Heat -----AS REQUIRED Transponder-----ALT Heading Bug -----FIX Doors / Windows-----CLOSED Landing Lights -----ON Fuel Pump (if equipped)-----ON Strobes -----AS REQUIRED Time-----NOTE Brakes -----RELEASE
TAKE OFF	
Passenger Brief -----ACCOMPLISH Hobbs / Tach Time-----TAKE NOTE Circuit Bakers -----IN POSITION Alternate Static-----TEST (PULL & CHECK VSI) Brakes -----PEDAL TEST ELT-----ARMED	Full Throttle -----RPM (2300 MIN) Oil Temp / Press-----CHECK Vr -----55 KTS (63 MPH) Vy-----78 KTS (90 MPH) Flaps -----UP
START	
Seat-----LOCK Avionics -----OFF Autopilot-----OFF Carb. Heat -----OFF Mixture-----FULL RICH Throttle -----FULL FORWARD Brakes-----SET Prop -----CLEAR Master-----ON Prime (if equipped) -----2 - 6 TIMES (COLD START) Fuel Pump (if equipped)-----ON (FUEL FLOW UP) / OFF Throttle / Mixture -----SLIGHT Beacon-----ON Mags -----START / (MIXTURE ADV.) Oil pressure-----CHECK Alternator -----ON Lights-----AS REQUIRED Mixture -----RICH BELLOW 3000 FT	CLIMB Landing Lights -----OFF Fuel Pump (if equipped)-----OFF Mixture -----RICH (LEAN ABOVE 3000 FT) Instruments-----CHECK Flight plan -----OPEN Autopilot (if equipped)-----ON
PRE - TAXI	
Seat Belts-----SECURE Flaps -----UP Heat / Vent / Defrost-----SET Avionics -----ON ATIS-----CHECK Altimeter / Flight Plan -----SET Transponder-----STAND BY ADS-B -----ON Radio-----TEST Lights -----AS REQUIRED Brakes-----TEST Attitude Indc. -----TEST Turn Coord-----TEST H.I./Compass -----TEST	CRUISE Throttle -----2300 – 2625 RPM Mixture-----RICH (LEAN ABOVE 3000 FT) Heading Bug -----FIX
DESCENT	
Fuel-----BOTH Carb. Heat-----AS REQUIRED ATIS -----CHECK Altimeter-----SET Instruments -----CHECK Heading Bug-----FIX	Mixture-----RICH (LEAN ABOVE 3000 FT)
PRE - LANDING	
Landing Lights -----ON Autopilot (if equipped)-----OFF Seat Belts -----SECURE Mixture-----RICH (LEAN ABOVE 3000 FT) Carb. Heat -----ON Fuel-----BOTH Fuel Pump (if equipped) -----ON Flaps-----AS REQUIRED	LANDING Flaps -----40° OR AS REQUIRED Speed-----60 KTS (69 MPH)

AFTER LANDING	EMERGENCY PROCEDURES
Landing Lights -----OFF Taxi Lights-----AS REQUIRED Pitot Heat -----OFF Carb. Heat-----OFF Mixture -----AS REQUIRED Trim-----SET 0 Flaps -----UP Transponder-----OFF Strobes -----OFF	ENGINE FAILURE (GROUND ROLL) Throttle ----- IDLE Brakes-----SET If No Runway: Doors -----UNLATCH Mixture----- IDLE Master / Mags----- OFF Fuel Selector-----OFF
SECURING	ENGINE FAILURE (AFTER LIFT OFF)
ELT-----VERIFY SILENT Parking Brake-----SET Fuel Pump (if equipped) ----- OFF Avionics-----OFF Mixture -----FULL LEAN Mags-----OFF Master -----OFF Fuel Selector-----LEFT OR RIGHT Lights -----OFF Hobbs / Tach Time-----TAKE NOTE Control -----LOCK Chocks / Tie Downs-----SET Pitot Cover -----SET Baggage Door-----CLOSED Cabin Doors -----CLOSED *** CLOSE FLIGHT PLAN ***	Gliding IAS-----70 KTS (80 MPH) Fuel Selector-----OFF Mixture----- IDLE Flaps -----DOWN Master / Mags----- OFF
	ENGINE FAILURE (CRUISE)
	Gliding IAS-----70 KTS (80 MPH) Carb. Heat----- ON Fuel Selector-----CHECK LEFT / RIGHT / BOTH Mixture-----RICH Magnetos-----CHECK LEFT / RIGHT / BOTH Master -----ON If Still Dead: Wind Direction / Velocity Pick Landing Site Squawk 7700 Declare Emergency Fuel Selector-----OFF Mixture----- IDLE Throttle ----- IDLE Flaps -----AS REQUIRED Master / Mags----- OFF Doors -----UNLATCH
	ICING
	Pitot Heat-----ON Carb Heat-----ON Throttle ----- FULL FORWARD Turn Back or Low Altitude Flaps -----0°
	OTHER
	Emergency Freq----- 121.5 SQUAWK 7500----- HIJACK SQUAWK 7600----- LOST COMMUNICATION SQUAWK 7700----- EMERGENCY Steady green----- CLEARED LAND / CLEARED TAKEOFF Flashing green----- RETURN LAND / CLEARED TAXI Steady Red----- CONTINUE CIRCLING / STOP Flashing red----- DO NOT LAND / TAXI CLEAR LANDING AREA Flashing white----- N/A / RETURN START POINT Red & Green----- CAUTION / CAUTION