**C172 L/M/P Preflight Checklist**

**PREFLIGHT**

**CABIN**

Pitot Tube Cover……………........REMOVE

Registration/Airworthiness………CHECK

POH/Weight & Balance…………….CHECK

Parking Brake…..…………...................SET

Control Wheel Lock…..............REMOVE

MAGNETOS....………………………………OFF

AVIONICS…..…………………………………OFF

THROTTLE/MIXTURE……………………IDLE

CARB HEAT…………………………….IN FULLY

MASTER………..……………………………….ON

BEACON……………………......................ON

FUEL QTY...……………………………….CHECK

Flaps………………………………………..DOWN

Ldg/Taxi/Nav/Strobe………….ON/CHECK

MASTER………………….……………………OFF

Elevator Trim…..………………………Set T/O

FUEL SELECTOR………....................BOTH

ALT STATIC……….…….………………….….OFF

FIRE EXTINGUISHER………………….CHECK

**EMPENNAGE**

Baggage Door…………………..........CHECK

Control Surfaces……….................CHECK

Elevator Trim……..…………………….CHECK

Antennas……………………....…………CHECK

**RIGHT WING**

Flap…………………..........................CHECK

Aileron………………………….….........CHECK

Tire/Brakes………………..…………....CHECK

Fuel Tank Sump Valve................DRAIN

Fuel quantity…………………….........CHECK

**NOSE**

Fuel Tank Sump Valve.…….........DRAIN

Oil Dipstick……………………….………CHECK

Engine Cooling Air Inlets…………..CLEAR

Alternator Belt……………………….SECURE

Propeller/Spinner………….………...CHECK

Air Filter……………........................CHECK

Nosewheel Strut/Tire…………..….CHECK

Static Source………………………..….CHECK

**LEFT WING**

Pitot Tube…………………………………CHECK

Fuel Tank Vent Opening..............CHECK

Stall Warning Opening.…………….CHECK

Fuel Quantity……………………………CHECK

Fuel Tank Sump Valve……………..CHECK

Tire/Brakes……………………….........CHECK

Aileron ………….…........CHECK

Flap………………………………………….CHECK

**C172 L/M/P Normal Checklist**

**BEFORE START**

Passenger Briefing…….........................COMPLETE

Seats/Seat Belts……….............................SECURED

Circuit Breakers…………………..………………………….IN

AVIONICS……………………………..........................OFF FUEL SELECTOR………....................................BOTH

**ENGINE START**

MASTER..…………………......................................ON

MIXTURE…………………………………………………….RICH

CARB HEAT……………………………………………IN FULLY

Prime……………………………………………AS REQUIRED

THROTTLE………………………………………….1/4th INCH

Propellor Area…………..….............................CLEAR

Starter……………………….…………………………ENGAGE

Mixture………......………..........................FULL RICH

Throttle……………………...........................1000 RPM

Oil Pressure..…………...………………………GREEN ARC

LOW VOLTS Annunciator….........................CHECK

Mixture……………………………………………………..LEAN

**BEFORE TAXI**

AVIONICS………………………………………………………ON

Flight Instruments…………………………….CHECK/SET

Flaps……………………………………………………………..UP

**RUN UP**

Parking Brake…………………………………..…………..SET

Flight Controls………………………..….FREE/CORRECT

Windows…………………………………..…………..CLOSED

FUEL SELECTOR……………………………..………….BOTH

Mixture………………………………………………FULL RICH

THROTTLE………………………………..………..1800 RPM

Magnetos……………………………..………………..150/50

Engine Inst/Annunciators……………………..…CHECK

CARB HEAT…………………………………200 RPM DROP

Throttle Idle………………………………...675 RPM MIN

Throttle…………………………………..…………1000 RPM

CARB HEAT……………………………………………IN FULLY

Mixture……………………………………………..………LEAN

**BEFORE TAKEOFF**

Departure Briefing…………………………….COMPLETE

FUEL SELECTOR.………………………………………..BOTH

Flaps…………………………………………………VERIFY/SET

Elevator Trim………………………………………………..T/O

CARB HEAT……………………………………………IN FULLY

Instruments/Bugs………………………..…..CHECK/SET

Cabin doors/windows............................LATCHED

Parking Brake……………………………………..RELEASED

**CLIMB**

Flaps…………………………………………………………..…UP

Climb Power…………………………………………………SET

Mixture…………………………………………AS REQUIRED

**CRUISE**

Cruise power………………………………………………..SET

Mixture……………………………………………………..LEAN

Lights……………………………………………AS REQUIRED

**DESCENT**

Arrival Briefing……………………………..…..COMPLETE

FUEL SELECTOR…………………………………………BOTH

Mixture……………………………………………..ENRICHEN

CARB HEAT……………………………………AS REQUIRED

Instruments/Bugs…………………………….CHECK/SET

Lights…………………………………………………………….ON

Seatbelts……………………………………………………….ON

**AFTER** **LANDING**

Flaps……………………………………………………………..UP

Elevator Trim………………………………………………..T/O

CARB HEAT……………………………………………IN FULLY

Mixture……………………………………………………..LEAN

Lights……………………………………………AS REQUIRED

**SHUTDOWN**

Parking Brake……………………………………..………..SET

Throttle……………………………………………..1000 RPM

AVIONICS……………………………………………………..OFF

Nav Lights…………………………………………………….OFF

Mixture Control……………………………..IDLE CUTOFF

Ignition Switch……………………………………………..OFF

**FREQUENCIES**

Air America Flight Center – 122.9

ATIS – 132.875

KDAB Clearance – 119.3

KDAB Ground – 121.9

KDAB Tower 120.7/118.1

KDAB N. App. 4000’-7500’ – 118.85

KDAB S. App. 3500’ or less – 125.35

KDAB N. App. 3500’ or less – 125.8

KDAB S. App 4000’-7500’ – 127.075

S. Practice Area – 123.5

N. Practice Area – 122.85

Flt Service St. Pete (24H) – 122.4 / 122.65 /(800) 992-7433

Emergency – 121.5

**C172 L/M/P Emergency Checklist**

**ENGINE FAILURE DUR. T/O ROLL**

Directional Control…………………………….MAINTAIN

Throttle……………………………CLOSE IMMEDIATELEY

Brake…………………………………………….AS REQUIRED

Flaps……………………………………VERIFY 0 (RETRACT)

Mixture Control……………………………..IDLE CUTOFF

Ignition Switch……………………………………………..OFF

Master…………………………………………..…………….OFF

**ENGINE FAILURE AFTER T/O**

Airspeed…….70 KIAS (flaps up) / 65 KIAS (flaps down)

Throttle…………………….……..CLOSE IMMEDIATELY

Mixture Control……………………..……..IDLE CUTOFF

Flaps………………………………..…………..AS REQUIRED

Ignition Switch………………………..…………………..OFF

Master………………………………………..……………….OFF

Cabin Doors…………………………………………UNLATCH

Land……………………………………….STRAIGHT AHEAD

**ENGINE FAILURE DUR. FLIGHT**

Airspeed…………………………………………………68 KIAS

Flaps……………………………………………..………………UP

Landing Site…………………………………………….SELECT

FUEL SELECTOR………………………..……VERIFY BOTH

Mixture Control…………………………FULL FORWARD

Ignition Switch………………………………..BOTH (start)

*If the engine fails to start:*

Airspeed…………………………………………………68 KIAS

FUEL SELECTOR………………………..……VERIFY BOTH

Mixture………………………..…..IDLE CUTOFF (slowly)

Throttle……………………..…FULL FORWARD (slowly)

Ignition Switch………………………………..BOTH (start)

*If the engine fails to start:*

Transponder…………………………………..………….7700

Radio…………………………………………………………121.5

**EMERGENCY LANDING W/O POWER**

Passenger seats………………….…………….…UPRIGHT

Seatbelts………………………………………………..…….ON

Mixture………………………………………….IDLE CUTOFF

Flaps……………………………………30 RECOMMENDED

ELT………………………………………………………ACTIVATE

Ignition Switch……………………………………………..OFF

Master…………………………………………..…………….OFF

Cabin Doors…………………………………………UNLATCH

Touchdown………………………….SLIGHTLY TAIL LOW

Brakes…………………………………………APPLY HEAVILY

**ENGINE FIRE IN FLIGHT**

Mixture………………………………..………..IDLE CUTOFF

FUEL SELECTOR………………………………..............OFF

Master…………………………………………………..…….OFF

Cabin Vents…………………………….OPEN AS NEEDED

Cabin Air/Heat……………………………………………..OFF

Airspeed………...INCREASE 100 KIAS/EXTINGUISH

Forced Landing…………………………..………..EXECUTE

**CABIN FIRE IN FLIGHT**

Master……………………………………………..………….OFF

Cabin Vents/Air/Heat………………………..……..CLOSE

Fire Extinguisher………………………………DISCHARGE

Cabin Vents/Air/Heat……………………………..…OPEN

Airport……………………………………………..……….LAND

**ELECTRICAL FIRE IN FLIGHT**

Master……………………….…………………………..……OFF

Cabin Vents/Air/Heat..………………………...…..CLOSE

Fire Extinguisher…………………………..…DISCHARGE

Avionics…………………………………………..…………..OFF

Cabin Vents/Air/Heat…………………………..……OPEN

**WING FIRE IN FLIGHT**

Ldg/Taxi Lights…………………………………..…………OFF

Navigation Lights..…………………………………..…..OFF

Strobe Lights………………………………………..………OFF

Pitot Heat……………………………………………..……..OFF

*Perform a forward slip to keep flames away from the aircraft.*