



**CESSNA 172L  
NORMAL CHECKLISTS**

**PREFLIGHT: CABIN**

- REGISTRATION/AIRWORTHINESS CERTIFICATE .....CHECK
- POH ..... ACCESSIBLE TO PILOT
- WEIGHT AND BALANCE.....CHECK/COMPLETE
- CONTROL WHEEL LOCK..... REMOVE
- MASTER ..... OFF
- MAGS..... OFF
- AVIONICS ..... OFF
- BEACON ..... ON
- THROTTLE ..... IDLE
- MIXTURE..... IDLE
- FLAPS ..... UP
- FUEL SELECTOR..... BOTH
- TRIM ..... T/O
- TERNATE STATIC..... TEST
- HOBBES & TACH ..... RECORD
- MASTER ..... ON
- FLAPS ..... DOWN
- FUEL GUAGE.....CHECK
- LOW VACUUM LIGHT..... ON
- LIGHTS ..... ON
- PARKING BREAK ..... SET
- 360 WALKAROUND..... COMPLETE
- MASTER ..... OFF

## EMPENAGE

WINDOWS.....	CLEAN
BAGGAGE DOOR.....	CLOSED
ELEVATOR/HORIZONTAL STABILIZER.....	INSPECT
COUNTER WEIGHT.....	INSPECT
TAIL & TIEDOWN & HOOK.....	REMOVED
RUDDER/VERTICAL STAB .....	INSPECT
TRIM TAB .....	INSPECT
LIGHTS .....	INSPECT
VOR ANTENNA (2) .....	INSPECT
ELEVATOR TRIM TAB .....	INSPECT
ELT ANTENNA.....	INSPECT
WINDOWS.....	CLEAN

## RIGHT WING

COMM ANTENNA .....	INSPECT
FLAP.....	INSPECT
AILERON.....	INSPECT
COUNTER WEIGHTS .....	INSPECT
WINGTIP .....	INSPECT
LIGHTS .....	INSPECT
LEADING EDGE .....	INSPECT
TIEDOWN .....	REMOVED
STRUT .....	INSPECT
SUMP (1).....	DRAIN
TIRE (ROLL BACK).....	INSPECT
BRAKES .....	INSPECT
WINDOWS.....	INSPECT
VENTS .....	INSPECT
FUEL QUANTITY.....	CHECK
FUEL FILLER CAP .....	SECURE
TOP WING .....	INSPECT

## NOSE

OIL QUANTITY .....	CHECK/6+ QUARTS
FUEL STRAINER DRAIN .....	DRAIN/CLOSE
WINDSCREEN .....	INSPECT
CABIN AIR INTAKE .....	INSPECT
SUMPS (1) .....	DRAIN
NOSE STRUT .....	INSPECT
TIRE (ROLL BACK).....	INSPECT
ENGINE COOLING INLETS .....	INSPECT
ALTERNATOR BELT.....	INSPECT
PROP/SPINNER.....	INSPECT
INTAKE/AIR FILTER .....	INSPECT
COWLING .....	INSPECT
STATIC PORT .....	INSPECT

## LEFT WING

VENTS .....	INSPECT
FUEL QUANTITY .....	CHECK
FUEL FILLER CAP .....	SECURE
WING TOP .....	INSPECT
PITOT TUBE .....	INSPECT
STRUT .....	INSPECT
STALL VENT .....	INSPECT
FUEL TANK VENT .....	INSPECT
TIE DOWN .....	REMOVE
LEADING EDGE .....	INSPECT
LAND/TAXI LIGHT .....	INSPECT
WINGTIP .....	INSPECT
STROBE/NAV.....	INSPECT
AILERON.....	INSPECT
COUNTER WEIGHT.....	INSPECT
FLAP.....	INSPECT
FUEL SUMP (1).....	DRAIN
TIRE (ROLL BACK).....	INSPECT
BRAKE .....	INSPECT
WINDOWS.....	INSPECT

## ENGINE START

PREFLIGHT..... COMPLETE  
PASSENGER/CREW BRIEFING ..... COMPLETE  
SEATBELTS..... ON  
SEATS.....SET/LOCKED  
FUEL SELECTOR..... BOTH  
MIXTURE..... RICH  
THROTTLE ..... ¼ INCH OPEN  
CARB HEAT..... OFF  
BEACON ..... ON  
CIRCUIT BREAKERS ..... IN  
PARKING BRAKE ..... SET  
AVIONICS ..... OFF  
PRIME ..... COMPLETE  
PROP AREA..... CLEAR  
MASTER ..... ON  
STARTER..... ENGAGE  
THROTTLE ..... 1000 RPM  
OIL PRESSURE..... CHECK  
ENGINE INSTRUMENTS ..... CHECK  
LIGHTS ..... AS REQUIRED  
MIXTURE..... LEAN

## TAXI

AVIONICS ..... ON  
RADIOS ..... ON  
ATIS ..... COPY  
CLEARANCE ..... OBTAIN  
FLIGHT INSTRUMENTS ..... CHECK  
INSTRUMENT/ICC ..... COMPLETE  
TRANSPONDER..... TEST/STANDBY  
FLAPS ..... UP  
PARKING BRAKE ..... RELEASE  
BRAKES ..... CHECK

## RUN UP

PARKING BRAKE .....	SET
FLIGHT CONTROLS .....	FREE AND CORRECT
FUEL QUANTITY.....	CHECK
ENGINE INSTRUMENTS .....	CHECK
FUEL PUMP .....	TEST
MIXTURE.....	RICH
TRIM .....	TAKEOFF
FUEL SELECTOR.....	BOTH
THROTTLE .....	1800 RPM
ENGINE INSTRUMENTS .....	CHECK
AMMETER .....	CHECK
MAGS.....	CHECK
CARB HEAT .....	HOT
THROTTLE .....	IDLE
CARB HEAT.....	COLD
THROTTLE .....	1000 RPM
MIXTURE.....	LEAN
MAGS.....	CHECK BOTH

## TAKEOFF

PRE T/O BRIEF .....	COMPLETE
SEATBELTS.....	VERIFY ON
WINDOWS/DOORS.....	CLOSED AND LATCHED
FLAPS .....	SET
FUEL SELECTOR.....	BOTH
TRIM .....	SET FOR TAKEOFF
COMMS, NAVS, FLIGHT INSTRUMENTS.....	SET
T/O CLEARANCE .....	OBTAIN
PARKING BRAKE .....	RELEASE
LIGHTS .....	ON
MIXTURE.....	FULL RICH
FLAPS.....	SET
TRANSPONDER.....	ALT
500 FT .....	85 KTS

## CLIMB 1000 FT

LIGHTS ..... AS NEEDED  
MIXTURE ..... LEAN  
FLAPS ..... UP

## CRUISE

LIGHTS ..... OFF  
POWER ..... SET  
MIXTURE ..... LEAN

## BEFORE LANDING/DESCENT

SEAT BELTS ..... ON  
APPROACH BRIEF ..... COMPLETE  
ATIS ..... COPY  
LIGHTS ..... ON  
CARB HEAT ..... AS REQUIRED  
THROTTLE ..... 100 KTS  
MIXTURE ..... RICH  
FUEL SELECTOR ..... BOTH

## AFTER LANDING

LIGHTS ..... AS REQUIRED  
CARB HEAT ..... COLD  
THROTTLE ..... 1000  
MIXTURE ..... LEAN  
FLAPS ..... UP  
TRANSPONDER ..... STANDBY  
TRIM ..... SET FOR TAKEOFF

## SHUTDOWN

RAMP IN (122.9) ..... COMPLETE  
AVIONICS ..... OFF  
THROTTLE ..... 1000  
MIXTURE ..... IDLE CUT OFF  
THROTTLE ..... CLOSE  
LIGHTS ..... OFF  
MASTER ..... OFF  
MAGS ..... OFF

# SECURE

CONTROL LOCK..... SET  
HOBBS/TACH..... RECORDED  
CLEAN COCKPIT ..... VERIFIED  
DOORS ..... SHUT/LOCKED  
TIED DOWN ..... 3-POINT  
360 WALK AROUND ..... COMPLETE



**CESSNA 172L  
EMERGENCY/ABNORMAL  
CHECKLISTS**

**ENGINE FAILURE BEFORE Vr**

- THROTTLES ..... IDLE
- BRAKES ..... APPLY
- WING FLAPS ..... RETRACT
- MIXTURE ..... IDLE CUTOFF
- MAGS ..... OFF
- MASTER SWITCH ..... OFF

**ENGINE FAILURE AFTER Vr RWY REMAINING**

- AIRSPEED ..... 68 KIAS
- MIXTURE ..... IDLE CUT-OFF
- MAGS ..... OFF
- FUEL SELECTOR ..... OFF
- FLAPS ..... AS REQUIRED
- EMERGENCY ..... DECLARE
- MASTER SWITCH ..... OFF
- CABIN DOOR ..... UNLATCH
- LAND ..... STRAIGHT AHEAD
- BRAKES ..... APPLY

## ENGINE FAILURE NO RUNWAY REMAINING BELOW 500'

AIRSPEED ..... 68 KIAS  
BEST PLACE TO LAND ..... IDENTIFIED  
MIXTURE ..... IDLE CUT-OFF  
MAGS ..... OFF  
FUEL SELECTOR ..... OFF  
FLAPS ..... AS REQUIRED  
EMERGENCY ..... DECLARE  
MASTER SWITCH ..... OFF  
CABIN DOOR ..... UNLATCH  
LAND ..... STRAIGHT AHEAD

## ENGINE FAILURE NO RWY REMAINING/ABOVE 500'

AIRSPEED ..... 68 KIAS  
BEST PLACE TO LAND ..... IDENTIFIED  
PRIMER ..... IN AND LOCKED  
MAGS ..... ON  
AUX FUEL PUMP ..... ON  
CARB HEAT ..... HOT  
MIXTURE ..... RICH  
FUEL SELECTOR VALVE ..... BOTH  
MIXTURE ..... RICH  
MAGS ..... BOTH/START

### IF ENGINE DOESN'T START:

MIXTURE ..... IDLE CUT-OFF  
MAGS ..... OFF  
FUEL SELECTOR ..... OFF  
FLAPS ..... AS REQUIRED  
EMERGENCY ..... DECLARE  
MASTER SWITCH ..... OFF  
CABIN DOOR ..... UNLATCH

## EMERGENCY LANDINGS WITHOUT ENGINE POWER

PASSENGER SEAT BACKS ..... UP  
SEATS AND SEAT BELTS ..... SECURE  
AIRSPEED ..... 68 KIAS  
MIXTURE ..... IDLE CUT-OFF  
FUEL SELECTOR ..... OFF  
MAGS ..... OFF  
FLAPS ..... AS REQUIRED (30 RECOMMENDED)  
AVIONICS MASTER SWITCH AND ELECTRICAL ..... OFF  
MASTER ..... OFF  
DOORS ..... UNLATCH  
TOUCHDOWN ..... SLIGHTLY TAIL LOW  
BRAKES ..... APPLY HEAVILY

## EMERGENCY LANDING WITH ENGINE POWER

PASSENGER SEAT BACKS ..... UP  
SEATS AND SEAT BELTS ..... SECURE  
AIRSPEED ..... 68 KIAS  
FLAPS ..... AS REQUIRED  
SELECTED FIELD ..... FLY OVER  
AVIONICS MASTER SWITCH AND ELECTRICAL ..... OFF  
MASTER SWITCH ..... OFF  
DOORS ..... UNLATCHED PRIOR TO TOUCHDOWN  
TOUCHDOWN ..... SLIGHTLY TAIL LOW  
BRAKES ..... APPLY HEAVILY

## DITCHING

RADIO ..... TRANSMIT MAYDAY ON 121.5 MHZ  
TRANSPONDER..... 7700  
HEAVY OBJECTS..... SECURE/JETTISON  
SEAT BACKS..... UP  
SEATS AND SEAT BELTS..... SECURE  
FLAPS..... FULL  
POWER..... ESTABLISH 300FT/MIN DECENT AT 55 KIAS  
HIGH WINDS/HEAVY SEAS ..... INTO WIND  
LIGHT WINDS/HEAVY SWELLS ..... PARALLEL TO SWELLS  
CABIN DOORS..... UNLATCH  
TOUCHDOWN..... LEVEL ATTITUDE  
FACE ..... CUSHION AT TOUCHDOWN  
ELT .....ACTIVATE  
AIRPLANE..... EVACUATE  
LIFE RAFTS AND VESTS.....INFLATE WHEN CLEAR OF A/C

## ENGINE FIRE DURING START ON GROUND

MAGS/STARTER..... CONTINUE CRANKING

### IF ENGINE STARTS:

POWER..... 1800 RPM FOR A FEW MINUTES  
FIRE EXTINGUISHER .....OBTAIN  
ENGINE .....SHUTDOWN AND INSPECT FOR DAMAGE

### IF ENGINE FAILS TO START:

THROTTLE ..... FULL OPEN  
MIXTURE..... IDLE CUTOFF  
CRANKING..... CONTINUE  
FUEL SELECTOR..... OFF  
AUX FUEL PUMP SWITCH ..... OFF  
FIRE EXTINGUISHER .....OBTAIN  
MASTER SWITCH ..... OFF  
MAGS..... OFF  
AIRPLANE..... EVACUATE  
FIRE..... EXTINGUISH  
FIRE DAMAGE..... INSPECT

## ENGINE FIRE DURING FLIGHT

MIXTURE ..... IDLE CUT OFF  
FUEL SELECTOR ..... OFF  
AUX FUEL PUMP SWITCH ..... OFF  
MASTER SWITCH ..... OFF  
CABIN HEAT/AIR ..... OFF  
AIRSPEED ..... 100 KIAS  
FORCED LANDING ..... EXECUTE  
FIRE EXTINGUISHER ..... ACTIVATE AS REQUIRED

## ELECTRICAL FIRE IN FLIGHT

MASTER SWITCH ..... OFF  
VENTS, CABIN AIR, HEAT ..... CLOSED  
FIRE EXTINGUISHER ..... ACTIVATE  
AVIONICS MASTER SWITCH ..... OFF  
ALL OTHER SWITCHES (EXCEPT MAGS) ..... OFF  
VENTS/CABIN AIR/HEAT ..... OPEN  
..... WHEN FIRE IS COMPLETELY EXTINGUISHED  
MASTER SWITCH ..... ON  
CIRCUIT BREAKERS ..... CHECK FOR FAULTY CIRCUIT  
..... DO NOT RESET  
RADIO SWITCHES ..... OFF  
AVIONICS MASTER SWITCH ..... ON  
RADIO/ELECTRICAL SWITCHES ..... ON, ONE AT A TIME  
..... WITH DELAY UNTIL SHORT CIRCUIT IS LOCALIZED

## CABIN FIRE

MASTER SWITCH ..... OFF  
VENTS/CABIN AIR/HEAT ..... CLOSED  
FIRE EXTINGUISHER ..... ACTIVATE  
VENTS/CABIN AIR/HEAT ..... OPEN  
..... WHEN FIRE IS COMPLETELY EXTINGUISHED  
LAND ..... AS SOON AS POSSIBLE

## WING FIRE

LANDING/TAXI LIGHT SWITCHES ..... OFF  
NAV LIGHTS ..... OFF  
STROBE LIGHTS ..... OFF  
PITOT HEAT ..... OFF  
AIRSPEED ..... INCREASE  
LAND ..... ASAP

## AMMETER EXCESSIVE

ALTERNATOR ..... OFF  
ALTERNATOR CB ..... PULL OUT  
ELECTRICAL LOAD ..... REDUCE  
LAND ..... ASAP

## LOW VOLTAGE

AVIONICS ..... OFF  
ALTERNATOR BRAKER ..... IN  
MASTER ..... RECYCLE  
LOW VOLTAGE LIGHT ..... CHECK

IF LIGHT COMES BACK ON:

ALTERNATOR ..... OFF  
ELECTRICAL LOAD ..... REDUCE  
LAND ..... ASAP

## INADVERTENT ICING ENCOUNTER

PITOT HEAT ..... ON  
TURN BACK OR CHANGE ALTITUDE  
DEFROSTER ..... ON  
THROTTLE ..... FULL  
CARB HEAT ..... ON  
BEST PRACTICAL LANDING SITE ..... IDENTIFIED  
FLAPS ..... UP  
WINDSHIELD ..... CLEAN  
AIRSPEED ..... 90 KIAS  
LAND ..... LEVEL ATTITUDE

## V SPEEDS

VSO .....	40
VS .....	50
VX .....	62
VY .....	73
VFE 10 .....	110
VFE 10-30 .....	85
VNO .....	127
VNE .....	158
VA	
2550 LBS .....	105
2150 LBS .....	95
1750 .....	85
VWINDOW .....	158
MAX X-WIND .....	15

**THIS CHECKLIST IS NOT A SUBSTITUTE FOR THE AIRCRAFT'S PILOT OPERATING HANDBOOK.**