



PREFLIGHT CHECKLIST C172R

COCKPIT AND CABIN

MAINTENANCE STATUS VERIFIED / CLEARED
 HOBBS / TACH METERS VERIFIED / RECORDED
 POH / AIRCRAFT DOCUMENTS AVAILABLE / CHECKED
 PARKING BRAKE SET
 CONTROL LOCK REMOVED
 FLIGHT CONTROLS FREE / CORRECT
 FIRE EXTINGUISHER GREEN ARC / SECURED
 FUEL SELECTOR (feel for detent) EXERCISE, then BOTH
 FUEL SHUTOFF VALVE (full in) ON
 TRIM WHEEL EXERCISE, then TAKEOFF
 CARBON MONOXIDE DETECTOR CHECK DATE
 MIXTURE IDLE CUT- OFF
 THROTTLE CLOSED
 ALTERNATE STATIC AIR VALVE CHECKED, then OFF
 AVIONICS MASTER OFF
 ALL PANEL ELECTRICAL SWITCHES OFF
 MASTER SWITCH OFF
 MAGNETOS / IGNITION SWITCH OFF
 CIRCUIT BREAKERS CHECKED
 MASTER SWITCH ON
 BATTERY VOLTAGE CHECKED
 FUEL GAUGES CHECKED
 ANNUNCIATOR PANEL / LIGHTS TESTED / ILLUMINATED
 LIGHTS and PITOT HEAT CHECKED OUTSIDE, then OFF
 FLAPS EXTEND
 ELT SWITCH / LIGHT OFF
 MASTER SWITCH OFF
 WINDSHIELD (if needed) CLEANED

LEFT WING

LEFT MAIN GEAR / TIRE / BRAKE CHECKED
 FLAP / AILERON / STATIC WICKS (2) CHECKED
 WING TIP / LIGHTS CHECKED
 LEADING EDGE / LIGHTS CHECKED
 TIE DOWN REMOVED
 WING INSPECTION PLATES SECURE
 FUEL VENT UNOBSTRUCTED
 STALL WARNING HORN OPENING CLEAR
 PITOT TUBE CHECKED
 FUEL DRAINS (5) DRAINED / CHECKED
 FUEL QUANTITY / FUEL CAP CHECKED / SECURE

NOSE

STATIC PORT UNOBSTRUCTED
 COWLING / AUX. POWER DOOR SECURE
 NOSE GEAR CHECKED
 BREATHER VENTS UNOBSTRUCTED
 PROPELLER AND SPINNER CHECKED
 COOLING AIR INLETS CLEAR
 ALTERNATOR BELT SECURE
 AIR FILTER INTAKE CHECKED
 OIL LEVEL / DIPSTICK / DOOR CHECKED / SECURE
 FUEL DRAINS (3) DRAINED / CHECKED

RIGHT WING

FUEL DRAINS (5) DRAINED / CHECKED
 FUEL QUANTITY / FUEL CAP CHECKED / SECURE
 RIGHT MAIN GEAR / TIRE / BRAKE CHECKED
 LEADING EDGE CHECKED
 TIE DOWN REMOVED
 WING INSPECTION PLATES SECURE
 WING TIP / LIGHTS CHECKED
 AILERON / STATIC WICKS (2) / FLAP CHECKED

FUSELAGE and EMPENNAGE

FUSELAGE / ANTENNAS CHECKED
 HORIZONTAL STABILIZER (right) CHECKED
 ELEVATOR (right) and TRIM TAB CHECKED
 ELEVATOR+RUDDER CABLES/PINS/NUTS/STOPS. SECURE
 TAIL TIE DOWN REMOVED
 VERTICAL STABILIZER and ANTENNAS CHECKED
 RUDDER, RUDDER TRIM and STATIC WICKS CHECKED
 ELEVATOR (left) and STATIC WICKS CHECKED
 HORIZONTAL STABILIZER (left) CHECKED
 BAGGAGE DOOR SECURE

360° WALK AROUND COMPLETE

IF AIRCRAFT IS TO BE LEFT UNATTENDED

TIE DOWN(s) / WHEEL CHOCKS INSTALLED
 FUEL CAPS / OIL DIPSTICK / DOORS SECURE

- AFTER RETURNING TO THE AIRCRAFT -

TIE DOWN(s) / WHEEL CHOCKS REMOVED
360° WALK AROUND COMPLETE



NORMAL CHECKLIST C172R

BEFORE START

PARKING BRAKE SET
 PASSENGER BRIEF..... COMPLETE
 SEATBELTS / SHOULDER HARNESSSES ON / CHECKED
 FUEL SELECTOR (feel for detent) BOTH
 MIXTURE IDLE CUT-OFF
 THROTTLE..... OPEN 1/4 INCH
 LIGHTS..... (as required) ON

ENGINE START

MASTER SWITCH..... ON
 ENGINE PRIME (SOP)..... (as required) COMPLETE
 ENGINE START (SOP) COMPLETE
 OIL PRESSURE / TEMPERATURE CHECKED
 AMMETER / VOLTAGE CHECKED / NORMAL
 AVIONICS SWITCH ON
 MIXTURE (as required) LEANED FOR TAXI
 FLAPS UP

BEFORE TAXI

AVIONICS / TRANSPONDER SET / CHECKED
 FLIGHT INSTRUMENTS / HDG SET / CHECKED
 PARKING BRAKE OFF

TAXI

BRAKES CHECKED
 INSTRUMENTS TAXI CHECKS (SOP) (as req.) COMPLETE

BEFORE TAKEOFF / RUNUP

FLIGHT CONTROLS FREE / CORRECT
 TRIM SET FOR TAKEOFF / CHECKED OUTSIDE

FUEL SELECTOR (feel for detent) BOTH
 MIXTURE FULL RICH
 THROTTLE **1,800 RPM**
 MAGNETOS (R, then L) CHECKED (70-125/50) / BOTH
 OIL TEMPERATURE / PRESSURE CHECKED
 VACUUM GAUGE / AMMETER CHECKED
 FUEL QUANTITY VERIFIED
 ANNUNCIATOR PANEL CLEAR
 THROTTLE..... CHECK IDLE
 MIXTURE (as required) LEANED FOR TAXI

AVIONICS / TRANSPONDER..... DEPARTURE
 FLIGHT / NAV INSTRUMENTS..... DEPARTURE
 DEPARTURE BRIEF COMPLETE

TAKEOFF / AT RUNWAY

DOORS / WINDOWS LATCHED
 TRIM TAKEOFF
 FLAPS..... TAKEOFF / CONFIRMED OUTSIDE
 ENGINE INSTRUMENTS CHECKED
 HDG and RWY HDG SET / CHECKED

LIGHTS / PITOT HEAT (as required) ON
 MIXTURE RICH
 TRANSPONDER ALT

CLIMB

FLAPS UP
 TRANSPONDER VERIFY on ALT
 ENGINE INSTRUMENTS CHECKED / MONITOR
 AIRSPEED(1000 AGL) (as required) CRUISE CLIMB

CRUISE

CRUISE POWER SET
 MIXTURE..... (as required) LEANED
 LIGHTS..... (as required) ON
 HEADING INDICATOR / COMPASS (every 20 min) ALIGNED

DESCENT / APPROACH

SEATBELTS / HARNESSSES SECURE
 FUEL SELECTOR (feel for detent) BOTH
 MIXTURE FULL RICH < 3000'
 LIGHTS (as required) ON

DESTINATION INFO / WX OBTAIN
 ALTIMETER SET
 APPROACH BRIEF COMPLETE

BEFORE LANDING

LIGHTS..... ON
 MIXTURE FULL RICH
 FLAPS (as required) SET

AFTER LANDING

TRIM..... TAKEOFF
FLAPS UP / CONFIRMED
MIXTURE (as required) LEANED FOR TAXI
LIGHTS..... (as required) OFF
TRANSPONDER (as required) STANDBY

SHUTDOWN

THROTTLE..... IDLE
AVIONICS SWITCH OFF
MAGNETO GROUNDING CHECKED
MIXTURE IDLE CUT- OFF
PANEL ELECTRICAL SWITCHES (except BEACON) OFF
MASTER SWITCH..... OFF
IGNITION SWITCH and KEY OFF and OUT
CONTROL LOCK INSTALLED
PARKING BRAKE AS REQUIRED

AIRCRAFT SECURE (SOP)..... COMPLETE