



C172S G1000 FLIGHT CHECKLIST

V-SPEEDS	PRE-TAXI	ENROUTE CLIMB
BEST GLIDE.....68 KNOTS	RADIOS.....SET	AIRSPEED.....75-85 KIAS
Vso.....40 KNOTS	WEATHER.....OBTAIN	MIXTURE.....AS REQUIRED
Vs1.....48 KNOTS	WIND.....SET W/ HDG BUG	LIGHTS.....AS REQUIRED
Vr.....55 KNOTS	ALTIMETERS, PFD, STBY, AP.....SET	CRUISE
Vx.....62 KNOTS	G1000 ALT SELECT.....SET	POWER.....23-2400 RPM
Vy.....74 KNOTS	STBY INSTRUMENTS.....CHECK	TRIM.....AS REQUIRED
Va.....90-105 KNOTS	FUEL QTY.....VERIFY LEVEL CORRECT	MIXTURE.....LEAN ABOVE 3000'
Vfe.....0 - 10°.....110 KNOTS	AIRSPEED.....ZERO	DESCENT
Vfe.....10 - 30°.....85 KNOTS	VSI.....ZERO	MIXTURE.....RICH
Vno.....129 KNOTS	GPS FLIGHT PLAN.....SET	WEATHER.....OBTAIN
Vne.....163 KNOTS	LIGHTS.....AS REQUIRED	LANDING LIGHT.....ON
Enroute Climb.....75-85 KNOTS	MIXTURE.....LEAN	BEFORE LANDING
Approach Speed.....65 KNOTS	WHILE TAXIING	APP BRIEF.....COMPLETE
BEFORE STARTING ENGINE	BRAKES.....CHECK	FUEL SELECTOR.....BOTH
PREFLIGHT.....COMPLETE	TURN COORD.....CHECK	MIXTURE.....RICH
CHOCKS.....REMOVED	RUNUP	SEATBELTS.....FASTENED
AVIONICS MASTER.....OFF	<i>*POINT AIRPLANE INTO WIND*</i>	FINAL APP SPEED.....65 KIAS
PAX BRIEF.....COMPLETE	BRAKES.....SET/HOLD	AFTER LANDING
SEATS.....ADJUSTED/LOCKED	CONTROLS.....FREE/CORRECT	FLAPS.....UP
SEAT BLTS.....FASTEN/CHK LOCK	MIXTURE.....RICH	STROBES.....OFF
ALL ELECTRICAL.....OFF	THROTTLE.....1800 RPM	LANDING LIGHT.....OFF
FUEL SELECTOR.....BOTH	ENGINE INSTRUMENTS.....NO RED X'S	PITOT HEAT.....OFF
FUEL SHUTOFF.....PUSH IN	VACUUM.....CHECK	TRIM.....SET
ENGINE START	ALTERNATOR.....TEST	TAXI LIGHT.....ON
MIXTURE.....LEAN	MAG CHECK.....MAX DROP 125	MIXTURE.....LEAN MAX RPM
THROTTLE.....OPEN 1/4 INCH	THROTTLE.....CHK IDLE, THEN 800-1000	SHUTDOWN
STBY BATT.....TEST 10 SECS, ARM	BEFORE TAKEOFF	AVIONICS MASTER.....OFF
ENGINE INDICATION.....NO RED X'S	RADIOS.....SET	ALL ELEC. SWITCHES.....OFF
BUS E VOLTS.....24 V MINIMUM	HDG INDICATOR.....CHECK	BEACON.....ON
M BUS VOLTS.....1.5 V OR LESS	MIXTURE.....FULL RICH	THROTTLE.....IDLE
BATT S AMPS.....NEGATIVE SHOWN	SEAT BELTS.....FASTENED	MIXTURE.....FULL LEAN/CUTOFF
STBY BATT ANNUCTR.....SHOWN	ANUNCIATORS.....CLEAR	MAGNETOS.....OFF
MASTER SWITCH.....ON	DEP & EMERGENCY BRIEF.....COMPLETE	BATT MASTER.....OFF
BEACON LIGHT.....ON	DOOR/WINDOWS.....LATCHED	TACH/HOBBS.....RECORD
ENGINE PRIME PROCEDURE	FLAPS.....SET	STANDBY BATT.....OFF
FUEL PUMP.....ON	TRIM.....SET FOR TKOFF	WHEEL.....CHOCK
MIXTURE RICH til fuel flow then LEAN	TRANSPONDER.....ALT & SQUAWK	KVPZ FREQUENCIES
FUEL PUMP.....OFF	LIGHTS.....LANDING & STROBE	AWOS.....125.87.....219-531-1770
PROP AREA.....CLEAR	TAKEOFF	CTAF/UNICOM.....122.725
BRAKES.....HOLD	THROTTLE.....FULL OPEN	FSS TERRE HAUTE.....123.65.....122.20
STARTER.....ENGAGE	ENGINE INST.....CHECK	SOUTH BEND CLNC.....120.525
<i>Once Engine Starts:</i>	ROTATE.....55 KIAS	SOUTH BEND APP/DPART.....132.050
MIXTURE.....FULL RICH	Vx.....62 KIAS	KNOX VOR (OXI).....115.6
THROTTLE.....800-1000	Vy.....74 KIAS	TERMINAL.....219-462-6508
OIL PRESSURE.....IN GREEN		
AVIONICS MASTER.....ON		
FLAPS.....UP		
AMPS.....CHECK POSITIVE		
LOW VOLTS ANUCTR.....NOT SHOWN		