

# C172S G1000 FLIGHT CHECKLIST

V-SPEEDS		PRE-TAXI		ENROUTE CLIMB	
BEST GLIDE.....	68 KNOTS	RADIOS.....	SET	AIRSPEED.....	75-85 KIAS
Vso.....	40 KNOTS	WEATHER.....	OBTAİN	MIXTURE.....	AS REQUIRED
Vs1.....	48 KNOTS	WIND.....	SET W/ HDG BUG	LIGHTS.....	AS REQUIRED
Vr.....	55 KNOTS	ALTIMETERS, PFD, STBY, AP.....	SET	<b>CRUISE</b>	
Vx.....	62 KNOTS	G1000 ALTSELECT.....	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°.....	AIRSPEED.....	ZERO	<b>DESCENT</b>	
Vfe.....	10 - 30°.....	VSI.....	ZERO	MIXTURE.....	RICH
Vno.....	129 KNOTS	GPS FLIGHT PLAN.....	SET	WEATHER.....	OBTAİN
Vne.....	163 KNOTS	LIGHTS.....	AS REQUIRED	LANDING LIGHT.....	ON
Enroute Climb.....	75-85 KNOTS	MIXTURE.....	LEAN	<b>BEFORE LANDING</b>	
Approach Speed.....	65 KNOTS	<b>WHILE TAXIING</b>		APP BRIEF.....	COMPLETE
<b>BEFORE STARTING ENGINE</b>		BRAKES.....	CHECK	FUEL SELECTOR.....	BOTH
PREFLIGHT.....	COMPLETE	TURN COORD.....	CHECK	MIXTURE.....	RICH
CHOCKS.....	REMOVED	<b>RUNUP</b>		SEATBELTS.....	FASTENED
AVIONICS MASTER.....	OFF	*POINT AIRPLANE INTO WIND*		FINAL APP SPEED.....	65 KIAS
PAX BRIEF.....	COMPLETE	BRAKES.....	SET/HOLD	<b>AFTER LANDING</b>	
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
<b>ENGINE START</b>		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	<b>SHUTDOWN</b>	
STBY BATT.....	TEST 10 SECS, ARM	<b>BEFORE TAKEOFF</b>		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	ANUNNCIATORS.....	CLEAR	MAGNETOS.....	OFF
MASTER SWITCH.....	ON	DEP & EMERGENCY BRIEF....	COMPLETE	BATT MASTER.....	OFF
BEACON LIGHT.....	ON	DOOR/WINDOWS.....	LATCHED	TACH/HOBBS.....	RECORD
<b>ENGINE PRIME PROCEDURE</b>		FLAPS.....	SET	STANDBY BATT.....	OFF
FUEL PUMP.....	ON	TRIM.....	SET FOR TKOFF	WHEEL.....	CHOCK
MIXTURE RICH til fuel flow then LEAN		TRANSPOUNDER.....	ALT & SQUAWK	<b>KVPZ FREQUENCIES</b>	
FUEL PUMP.....	OFF	LIGHTS.....	LANDING & STROBE	AWOS.....	125.87.....219-531-1770
PROP AREA.....	CLEAR	<b>TAKEOFF</b>		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				