

# N1NS FLIGHT CHECKLIST

V-SPEEDS	RUNUP		CRUISE	
BEST GLIDE.....70 MPH	BRAKES.....SET		POWER.....55-75%	
Vso.....48 MPH	FLIGHT INSTRUMENTS.....CHECK/SET		CARBURETOR HEAT.....COLD	
Vs1.....54 MPH	FUEL SELECTOR.....ON		MIXTURE.....AS REQUIRED	
Vr.....58 MPH	FLIGHT CONTROLS.....FREE & CORRECT		ELEVATOR TRIM.....SET	
Vx.....64 MPH	MIXTURE.....RICH (BLO 3000 FT)		<b>DESCENT</b>	
Vy.....78 MPH	THROTTLE.....1700 RPM		MIXTURE.....RICH	
Va.....100 MPH	FUSES/CIRCUIT BREAKERS.....CHECK		WEATHER.....OBTAIN	
Vfe.....100 MPH	VACUUM.....4.6 TO 5.4 IN Hg		LANDING LIGHT.....ON	
Vno.....123 MPH	ENGINE INSTRUMENTS.....GREEN		<b>BEFORE LANDING</b>	
Vne.....162 MPH	AMMETER.....CHECK		APPROACH.....BRIEFED	
Enroute Climb.....75-86 MPH	MAG TEST.....150 RPM MAX DROP;		SEATS/BELTS.....SECURE	
Approach Speed.....65 MPH	50 RPM DIFFERENTIAL		FUEL SELECTOR.....BOTH	
<b>BEFORE START</b>		CARBURETOR HEAT.....CHECK & OFF	MIXTURE.....RICH (BLO 3000 FT)	
PREFLIGHT.....COMPLETE	THROTTLE.....IDLE, THEN 800 - 1000		CARBURETOR HEAT.....AS REQUIRED	
TIEDOWNS/CHOCKS.....OUT	FRICITION LOCK.....ADJUST		FINAL APP SPEED.....65-70 MPH	
SEAT/BELTS.....SECURE	<b>BEFORE TAKEOFF</b>		<b>BALKED LANDING</b>	
FUEL SELECTOR.....ON	AVIONICS.....SET	THROTTLE.....FULL		
AVIONICS MASTER.....OFF	ELEVATOR TRIM.....TAKEOFF	CARBURETOR HEAT.....COLD		
ELECTRICAL EQUIP.....OFF	FLAPS.....UP/10°	RATE OF CLIMB.....POSITIVE		
FUSES/CIRCUIT BREAKERS.....CHECK	DOORS/WINDOWS.....LATCHED	FLAPS.....RETRACT TO 10°		
PASSENGERS.....BRIEF (SAFETY)	LIGHTS.....AS REQUIRED	AIRSPEED.....64 MPH		
<b>START</b>		TRANSPOUNDER MODE.....ALT	<i>After obstacles are cleared...</i>	
BRAKES.....SET	PITOT HEAT.....AS REQUIRED	AIRSPEED.....78 MPH		
BAT/ALT MASTER.....ON	MIXTURE.....RICH(BLO3000 FT)	FLAPS.....UP AT SAFE ALT		
NAV LIGHTS.....ON (FOR ADS-B)	TAKEOFF.....BRIEFED	<b>AFTER LANDING</b>		
BEACON (STROBE).....ON	EMERGENCY PROC.....BRIEFED	RADIO CALL.....CLEAR OF RUNWAY		
MIXTURE.....RICH	TIME.....NOTE	PITOT HEAT.....OFF		
PRIME.....0 TO 3 STROKES	THROTTLE.....FULL	CARBURETOR HEAT.....COLD		
THROTTLE.....1/4 INCH	ROTATE.....58 MPH	THROTTLE.....800 TO 1000 RPM		
PROP AREA.....CLEAR	FLAPS.....RETRACT SLOWLY	FLAPS.....UP		
MAGNETOS.....START	<b>CLIMB</b>		LIGHTS.....AS REQUIRED	
THROTTLE.....800 - 1000 RPM	Vx.....64 MPH	MIXTURE.....LEAN MAX RPM		
OIL PRESSURE.....CHECK	Vy.....78 MPH	TRIM.....SET FOR TAKEOFF		
AVIONICS MASTER.....ON	THROTTLE.....FULL	<b>SHUTDOWN</b>		
LIGHTS.....AS REQUIRED	CARBURETOR HEAT.....COLD	AVIONICS.....OFF		
FLAPS.....UP	MIXTURE.....LEAN(ABV 3000)	ELECT EQUIP.....OFF		
WEATHER.....OBTAIN	FUEL SELECTOR.....BOTH	BEACON.....ON		
FLIGHT INSTRUMENTS.....CHECK/SET	LIGHTS.....AS REQUIRED	MIXTURE.....FULL LEAN		
BRAKES.....CHECK	<b>KVPZ FREQUENCIES</b>		MAGNETOS & KEYS.....OFF/OUT	
	ASOS.....125.87.....219-531-1770	MASTER.....OFF		
	CTAF/UNICOM.....122.725	TIEDOWNS/CHOCKS.....INSTALL		
	FSS TERRE HAUTE.....123.65....122.20			
	SOUTH BEND APP.....132.050			
	TERMINAL.....219-462-6508			