

N7186S FLIGHT CHECKLIST

V-SPEEDS	RUNUP	CRUISE	
BEST GLIDE.....60 KNOTS/70 MPH	BRAKES.....SET	POWER.....55-75%	
Vso.....41 KNOTS/48 MPH	FLIGHT INSTRUMENTS.....CHECK/SET	CARBURETOR HEAT.....COLD	
Vs1.....46 KNOTS/54 MPH	FUEL SELECTOR.....ON	MIXTURE.....AS REQUIRED	
Vr.....50 KNOTS/58 MPH	FLIGHT CONTROLS.....FREE & CORRECT	ELEVATOR TRIM.....SET	
Vx.....55 KNOTS/64 MPH	MIXTURE.....RICH (BLO 3000 FT)	DESCENT	
Vy.....67 KNOTS/78 MPH	THROTTLE.....1700 RPM	MIXTURE.....RICH	
Va.....87 KNOTS/100 MPH	FUSES/CIRCUIT BREAKERS.....CHECK	WEATHER.....OBTAIN	
Vfe.....85 KNOTS/100 MPH	VACUUM.....4.6 TO 5.4 IN Hg	LANDING LIGHT.....ON	
Vno.....106 KNOTS/123 MPH	ENGINE INSTRUMENTS.....GREEN	BEFORE LANDING	
Vne.....140 KNOTS/162 MPH	AMMETER.....CHECK	APPROACH.....BRIEFED	
Enroute Climb: 65-74 KNOTS/75-86 MPH	MAG TEST.....150 RPM MAX DROP;	SEATS/BELTS.....SECURE	
Approach Speed.....60 KNOTS/65 MPH	50 RPM DIFFERENTIAL	FUEL SELECTOR.....BOTH	
BEFORE START		CARBURETOR HEAT.....CHECK & OFF	
PREFLIGHT.....COMPLETE	THROTTLE.....IDLE, THEN 800 - 1000	CARBURETOR HEAT.....AS REQUIRED	
TIEDOWNS/CHOCKS.....OUT	FRICITION LOCK.....ADJUST	FINAL APP SPEED.....60-65 KTS/65-70 MPH	
SEAT/BELTS.....SECURE	BEFORE TAKEOFF		
FUEL SELECTOR.....ON	AVIONICS.....SET	THROTTLE.....FULL	
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.....55 KNOTS/64 MPH	
START		TRANSPOUNDER MODE.....ALT <i>After obstacles are cleared...</i>	
BRAKES.....SET	PITOT HEAT.....AS REQUIRED	AIRSPEED.....67 KNOTS/78 MPH	
MASTER.....ON	MIXTURE.....RICH(BLO3000 FT)	FLAPS.....UP AT SAFE ALT	
NAV LIGHTS (Night).....ON	TAKEOFF.....BRIEFED	AFTER LANDING	
BEACON.....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.....50 KNOTS/58 MPH	THROTTLE.....800 TO 1000 RPM	
PROP AREA.....CLEAR	FLAPS.....RETRACT SLOWLY	FLAPS.....UP	
MAGNETOS.....START	CLIMB		
PUSH TO START.....ENGAGE	Vx.....55 KNOTS/64 MPH	LIGHTS.....AS REQUIRED	
THROTTLE.....800 - 1000 RPM	Vy.....67 KNOTS/78 MPH	MIXTURE.....LEAN MAX RPM	
OIL PRESSURE.....CHECK	THROTTLE.....FULL	TRIM.....SET FOR TAKEOFF	
AVIONICS MASTER.....ON	CARBURETOR HEAT.....COLD	SHUTDOWN	
LIGHTS.....AS REQUIRED	MIXTURE.....LEAN(ABV 3000)	AVIONICS.....OFF	
FLAPS.....UP	FUEL SELECTOR.....BOTH	ELECT EQUIP.....OFF	
WEATHER.....OBTAIN	LIGHTS.....AS REQUIRED	BEACON.....ON	
FLIGHT INSTRUMENTS.....CHECK/SET	KVPZ FREQUENCIES		
BRAKES.....CHECK	ASOS.....125.87.....219-531-1770	MAGNETOS & KEYS.....OFF/OUT	
	CTAF/UNICOM.....122.725	MASTER.....OFF	
	FSS TERRE HAUTE.....123.65....122.20	TIEDOWNS/CHOCKS.....INSTALL	
	SOUTH BEND APP.....132.050		
	TERMINAL.....219-462-6508		
	KNOX VOR (OXI).....115.6		