



# N5204N FLIGHT CHECKLIST

V-SPEEDS	PRE-TAXI	ENROUTE CLIMB
BEST GLIDE.....68 KNOTS	GPS.....INITIALIZED	AIRSPEED.....75-85 KIAS
V <sub>so</sub> .....40 KNOTS	RADIOS.....SET	MIXTURE.....AS REQUIRED
V <sub>s1</sub> .....48 KNOTS	WEATHER.....OBTAIN	LIGHTS.....AS REQUIRED
V <sub>r</sub> .....55 KNOTS	WIND.....SET W/ HDG BUG	<b>CRUISE</b>
V <sub>x</sub> .....62 KNOTS	HDG INDICATOR.....SET	POWER.....23-2400 RPM
V <sub>y</sub> .....74 KNOTS	ALTIMETER.....SET	TRIM.....AS REQUIRED
V <sub>a</sub> .....90-105 KNOTS	AUTOPILOT BARO.....SET	MIXTURE.....LEAN ABOVE 3000"
V <sub>fe</sub> .....0 - 10°.....110 KNOTS	AIRSPEED.....ZERO	<b>DESCENT</b>
V <sub>fe</sub> .....10 - 30°.....85 KNOTS	ATTITUDE IND.....ERECT	MIXTURE.....RICH
V <sub>no</sub> .....129 KNOTS	VSI.....ZERO	WEATHER.....OBTAIN
V <sub>ne</sub> .....163 KNOTS	MIXTURE.....LEAN AS REQ'D	LANDING LIGHT.....ON
Enroute Climb.....75-85 KNOTS	TRANSPONDER.....ALT	<b>BEFORE LANDING</b>
Approach Speed.....65 KNOTS	LIGHTS.....AS REQUIRED	APP BRIEF.....COMPLETE
<b>BEFORE STARTING ENGINE</b>	<b>WHILE TAXIING</b>	FUEL SELECTOR.....BOTH
PREFLIGHT.....COMPLETE	BRAKES.....CHECK	MIXTURE.....RICH
CHOCKS.....REMOVED	HDG IND.....CHECK	SEATBELTS.....FASTENED
AVIONICS MASTER.....OFF	TURN COORD.....CHECK	FINAL APP SPEED.....65 KIAS
PASSENGERS.....BRIEF (SAFETY)	<b>RUNUP</b>	<b>AFTER LANDING</b>
SEATS.....ADJUSTED/LOCKED	<i>*POINT AIRPLANE INTO WIND*</i>	RADIO CALL.....CLEAR OF RUNWAY
SEAT BLTS.....FASTEN/CHK LOCK	BRAKES.....SET/HOLD	FLAPS.....UP
ALL ELECTRICAL.....OFF	CONTROLS.....FREE/CORRECT	STROBES.....OFF
FUEL SELECTOR.....BOTH	MIXTURE.....RICH	LANDING LIGHT.....OFF
FUEL SHUTOFF.....PUSH IN	THROTTLE.....1800 RPM	TAXI LIGHT.....ON
<b>ENGINE START</b>	ENGINE INST.....CHECK	PITOT HEAT.....OFF
MIXTURE.....LEAN	VACUUM.....CHECK	TRIM SET.....SET
THROTTLE.....OPEN 1/4 INCH	ALTERNATOR.....TEST	MIXTURE.....LEAN MAX RPM
MASTER.....ON	MAG CHECK.....MAX DROP 125 RPM;	<b>SHUTDOWN</b>
BEACON.....ON	MAX DIFFERENCE 50 RPM	AVIONICS MASTER.....OFF
<b>ENGINE PRIME PROCEDURE</b>	THROTTLE.....IDLE then 800-1000 RPM	ALL ELEC. SWITCHES.....OFF
FUEL PUMP.....ON	<b>BEFORE TAKEOFF</b>	BEACON.....ON
MIXTURE RICH till fuel flow then LEAN	RADIOS.....SET	THROTTLE.....IDLE
FUEL PUMP.....OFF	HDG IND.....CHECK	MIXTURE.....FULL LEAN/CUTOFF
PROP AREA.....CLEAR	MIXTURE.....FULL RICH	MAGNETOS.....OFF
BRAKES.....HOLD	SEAT BELTS.....FASTENED	BATT MASTER.....OFF
STARTER.....ENGAGE	ANUNNCIATOR LIGHTS.....TEST	TACH/HOBBS.....RECORD
<i>Once Engine Starts:</i>	FLAPS.....SET	WHEEL.....CHOCKED
MIXTURE.....FULL RICH	TRIM.....SET FOR TAKEOFF	<b>KVPZ FREQUENCIES</b>
THROTTLE.....800-1000	DEP & EMERGENCY BRIEF.....COMPLETE	ASOS.....125.87.....219-531-1770
OIL PRESSURE.....IN GREEN	DOOR/WINDOWS.....LATCHED	CTAF/UNICOM.....122.725
AVIONICS MASTER.....ON	LIGHTS.....LANDING & STROBE	FSS TERRE HAUTE.....123.65.....122.20
FLAPS.....UP	TRANSPONDER.....ALT & SQUAWK	SOUTH BEND CLNC.....120.525
	<b>TAKEOFF</b>	SOUTH BEND APP.....132.050
	THROTTLE.....FULL OPEN	KNOX VOR (OXI).....115.6
	ENGINE INST.....CHECK	TERMINAL.....219-462-6508
	ROTATE.....55 KIAS	
	V <sub>x</sub> .....62 KIAS	
	V <sub>y</sub> .....74 KIAS	