

# YAK 52 CHECKLISTS

*Assumes solo from front seat*

<b>PREFLIGHT</b>	<b>ENTERING COCKPIT</b>	<b>BEFORE TAKEOFF</b>
<p><b>Configure cockpits</b>  <i>REAR</i>            Mag Control UP (1st Kabin)            Gear NEUTRAL            Flaps NEUTRAL            Instr. Switches DOWN            Mags 1+2            Brake Override OFF            Parachute Removed            Straps Tied and Secure            Canopy Closed and Locked</p> <p><i>FRONT</i>            Mags OFF (0)            Starter Guard in place            All Switches OFF            Gear DOWN &amp; Latched            Brakes ON            Main air supply ON            Check seatbelts</p> <p><b>EXTERNAL</b></p> <p>Prop Area clear            Cowl Shutters            Fuselage            Gear Struts            Oil Leaks            Cowl Latches            Flaps            Drain Fuel            Control Surfaces            Pitot cover OFF            Static Ports            Oil Cooler Cover            Fuel quantity            Oil Quantity            Pull Prop through 12 blades  <i>(priming before pulling through may aid starting)</i></p>	<p>Seatbelts secure            Headset connected            Rudder pedals adjusted            Canopy free            Controls free            Trim free            Clock wind and set</p> <p><b>STARTING</b></p> <p>Air supply Recheck            Cooling controls as required            Throttle slightly open            Fuel supply ON            Carb heat OFF            Master switch ON            Engine Instruments ON            Annunciator lights ON            Primer LEFT and pump for fuel pressure            Primer right and prime as req'd            Generator ON            Ignition ON            Press starter            Mags to BOTH (1+2)            Prime as req'd then lock            Warm up at 40%            Electrical systems as req'd</p> <p><b>WARM UP</b></p> <p>Monitor temps and Pressures            Set cooling controls as required            Switch on and test avionics</p> <p><b>TAXIING</b></p> <p>Test brakes            Test Gyros            Test Flaps</p>	<p>Mag check at 70% RPM            Exercise Prop            Check primer locked            Throttle Friction SET            TRIM set for takeoff            Mags - Both (1+2)            Prop MAX RPM            Flaps UP            Check Engine guages            Align Gyros            Canopy as req'd            Seatbelts tight            Transponder to ALT</p> <p><b>TAKEOFF</b></p> <p>Apply FULL power            Lift nosewheel JUST clear of the ground            Climb at 85-90 Kts            Gear UP            Power to 80%, 80 cms</p> <p><b>BEFORE LANDING</b></p> <p>Power to 70% &amp; 40 cms            Abeam touchdown area, GEAR DOWN, check lights and poles</p> <p><b>AFTER LANDING</b></p> <p>Taxy clear of runway and STOP            FLAPS Identify and raise            Pitot heat OFF            Transponder to STBY</p> <p><b>SHUT-DOWN</b></p> <p>All breakers and switches OFF            Prop MAX rpm            Throttle 30%            CHT 140-150            70% RPM for 10 secs then 30 %            Mags OFF            Air valve OFF            Drain Air system</p>

