

YAK 52 CHECKLISTS

Assumes solo from front seat

PREFLIGHT	ENTERING COCKPIT	BEFORE TAKEOFF
<p>Configure cockpits <i>REAR</i> Mag Control UP (1st cabin) Gear NEUTRAL Flaps NEUTRAL Instructor Switches DOWN Mags 1+2 Brake Override OFF (Back) 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 & Latched Brakes ON Main air supply ON Check seatbelts</p> <p>EXTERNAL 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>STARTING 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>WARM UP Monitor temps and Pressures Set cooling controls as required Switch on and test avionics</p> <p>TAXIING 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 gauges Align Gyros Canopy as req'd Seatbelts tight Transponder to ALT</p> <p>TAKEOFF Apply FULL power Lift nosewheel JUST clear of the ground Climb at 85-90 Kts Gear UP Power to 80%, 80 cms</p> <p>BEFORE LANDING Power to 70% & 40 cms Abeam touchdown area, GEAR DOWN, check lights and poles</p> <p>AFTER LANDING Taxy clear of runway and STOP FLAPS Identify and raise Pitot heat OFF Transponder to STBY</p> <p>SHUT-DOWN 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>

