

YAK 52 CHECKLISTS

Assumes solo from front seat

PREFLIGHT

Configure cockpits

REAR

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

FRONT

Mags OFF (0)
Starter Guard in place
All Switches OFF
Gear DOWN & Latched
Brakes ON
Main air supply ON
Check seatbelts

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
(priming before pulling through may aid starting)

ENTERING COCKPIT

Seatbelts secure
Headset connected
Rudder pedals adjusted
Canopy free
Controls free
Trim free
Clock wind and set

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

WARM UP

Monitor temps and Pressures
Set cooling controls as required
Switch on and test avionics

TAXIING

Test brakes
Test Gyros
Test Flaps

BEFORE TAKEOFF

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

TAKEOFF

Apply FULL power
Lift nosewheel JUST clear of the ground
Climb at 85-90 Kts
Gear UP
Power to 80%, 80 cms

BEFORE LANDING

Power to 70% & 40 cms
Abeam touchdown area, GEAR DOWN, check lights and poles

AFTER LANDING

Taxy clear of runway and STOP
FLAPS Identify and raise
Pitot heat OFF
Transponder to STBY

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

