

**LN-NAH****PRE-FLIGHT INSPECTION****COCKPIT**

Documents, Checklists and Weight & Balance	
Check Tech and Maintenance Log	
Drain Fuel Tanks, Strainer and Fuel Selector	
Remove Pitot Cover and Engine Cover/Cabin Heater	
Master Switch	ON
Annunciator Panel	TEST
Fuel Quantity	CHECK
Flaps	FULL FLAPS
<b>Electrical Equipment Test</b>	<b>AS REQ</b>
Lights and Pitot Switch	ON
Exterior Lights	CHECK
Pitot Heat	CHECK
Lights and Pitot Switch	OFF
Master Switch	OFF

**RIGHT WING**

Flaps	CHECK
Aileron	CHECK
Wing Tank and Filler Cap	CHECK / SECURE
Right Main Gear	CHECK

**NOSE AND ENGINE**

Engine Oil	CHECK
Prop and Spinner	CHECK
Alternator Belt	CHECK TENSION
Nose Wheel, Strut, Tire	CHECK
Tow Bar	REMOVE
Wheel Chocks	REMOVE

**LEFT WING**

Left Main Gear	CHECK
Wing Tank and Filler Cap	CHECK / SECURE
Pitot Tube / Static Port	CHECK
Stall Warning	CHECK
Fuel vent	CHECK
Aileron	CHECK
Flaps	CHECK

**FUSELAGE AND EMPENNAGE**







Elevator and Trim	CHECK
Rudder	CHECK
Tail Ring	CHECK
Antennas	CHECK
Baggage Door	SECURE

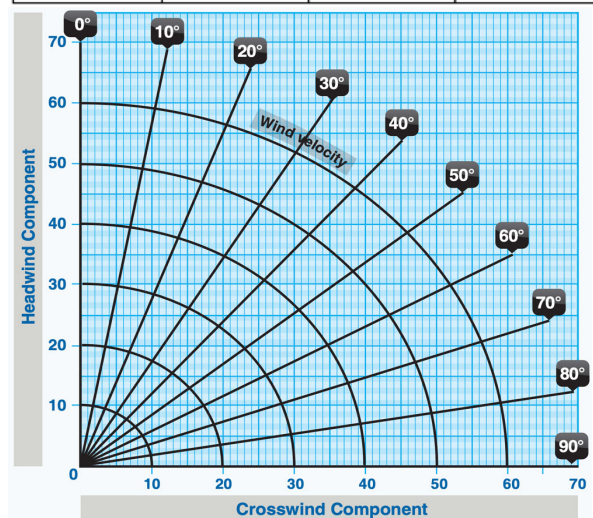
**V-SPEEDS (KIAS)**

Vr	52-65
Vx	64
Vy	76
Va	108
Vs	59
Vso	53
Vfe (Flap 10)	100
Vno	121
Vne	148
<b>Best Glide</b>	<b>76</b>
Max Crosswind	17

**Conversions**

US Gallons to Litres	1 USG = 3.785 L
Litres to US Gallon	1 L = 0.264 USG
lbs to kg	1 lbs = 0.45 kg
kg to lbs	1 kg = 2.205 lbs

Color and type of signal	MEANING		
	Aircraft on the ground	Aircraft in flight	Movement of vehicles equipment and personnel
 Steady green	Cleared for takeoff	Cleared to land	Cleared to cross; proceed; go
 Flashing green	Cleared to taxi	Return for landing (to be followed by steady green at the proper time)	Not applicable
 Steady red	Stop	Give way to other aircraft and continue circling	Stop
 Flashing red	Taxi clear of landing area or runway in use	Airport unsafe- Do not land	Clear the taxiway/runway
 Flashing white	Return to starting point on airport	Not applicable	Return to starting point on airport
 Alternating red and green	General warning signal – exercise extreme caution	General warning signal – exercise extreme caution	General warning signal – exercise extreme caution



LN-NAH	
BEFORE START	
Pre-Flight Inspection	COMPLETE
Passenger Briefing	PERFORM
Seats and Seat Belts	ADJUST / LOCK
Loose Items	SECURE
Brakes	APPLY - SET
Electric Equipment	OFF
Avionics Master	OFF
Carb. Heat	OFF
Circuit Breakers	CHECK IN
Fuel Selector	LESSER TANK
Mixture	FULL RICH
Throttle	OPEN ½ CM
Primer	AS REQ

STARTING ENGINE	
Master Switch	ON
Fuel Pump	ON
Beacon	ON
Propeller Area	CLEAR
Ignition Switch	START
Throttle	1000 RPM SET
Oil Pressure	CHECK
Fuel Pump	OFF
Mixture	LEAN

AFTER START	
Nav. Lights	AS REQ
Avionics Master	ON
ATIS	RECEIVE
Radios	SET
Altimeters	SET / CHECK
Flight Controls	FREE / CORRECT
Trim	CHECK / SET TAKE-OFF
Flaps	SET

BEFORE TAKEOFF	
Doors / Windows	CLOSED
Fuel Selector	FULLER TANK
Fuel Pump	ON
<b>ENGINE RUN-UP</b>	
Throttle	2000 RPM
Engine Instruments	GREEN
Alternator	CHECK
Magnetos	DROP (MAX 175/50 DIFF)
Carb. Heat	CHECK DROP
Fuel Pump	OFF
Fuel Pressure	CHECK
Vacuum	CHECK
Annunciator Panel	TEST
Throttle	IDLE / 1000 RPM SET
Magnetos	BOTH
Radio Call	DEPARTURE CLEARANCE
Transponder	SET - GND
Nav. Aids	SET
Autopilot	OFF
TO / Emergency Briefing	PERFORM

TAXI	
Lights	AS REQ
Brakes	CHECK
Flight Instruments	CHECK

LN-NAH	
LINE-UP	
Transponder	ALT
Mixture	RICH
Strobe Lights	ON
Fuel Pump	ON
Landing Light	ON (after TO clearance)
Gyro Compass	SET / CHECK HDG
Pitot Heat	AS REQ (< 5°C)
Engine Instruments	GREEN

AFTER TAKE-OFF	
Flaps	UP
Landing Lights	OFF
Engine instruments	GREEN
Fuel Pump	OFF (at SAFE ALT)

CRUISE	
Mixture	LEAN AS REQ
Fuel Quantity	CHECK
Engine Instruments	GREEN

DESCENT	
ATIS	RECEIVE
Altimeters	SET / CHECK
Mixture	RICH
Lights	AS REQ

BEFORE LANDING	
Engine Instruments	GREEN
Fuel Pump	ON
Fuel Selector	FULLER TANK
Autopilot	OFF
Magnetos	BOTH
Mixture	RICH
Carb. Heat	AS REQ
Seat Belts	FASTENED
Landing Light	ON (after LDG clearance)

AFTER LANDING (CLEAR OF RWY)	
Transponder	GND
Carb Heat	OFF
Mixture	LEAN
Flaps	UP
Strobe Light	OFF
Landing light	OFF

SHUTDOWN	
Flight Plan	CLOSE (AS REQ)
Throttle	1000 RPM
Lights	OFF
Avionics Master	OFF
Mixture	IDLE CUT-OFF
Ignition	OFF / KEYS OUT
Beacon	OFF
Master Switch	OFF
Fuel Selector	LESSER TANK
Aircraft	SECURE
Tach Time / ACFT Log	NOTE / SIGN