

N333HE – NORMAL CHECKLIST

BEFORE START

Exterior	COMPLETE
Rudder Pedals	ADJUST
Seat Belts	FASTEN/ADJUST
Passenger Brief	COMPLETE
Avionics Master	OFF
Circuit Breakers	CHECK
Emergency Static Source	NORMAL
Electrical Equip. (Lights)	OFF
Beacon	ON
Cowl Flaps	OPEN
Fuel Selector Valves	ON

STARTING ENGINE

Brakes	SET
-----1st ENGINE-----	
Props	HIGH RPM
Throttle	1/2" Open
Mixture	RICH
Prop Area	CLEAR
Battery	ON
Key	ON
Alternator Switch	ON
Aux Fuel Pump	HIGH
(Until Stable, then OFF)	
Mags	START
Throttle	1000-1200RPM
Oil Pressure	25 PSI (W/I 30 sec)
Engine Gauges	CHECK
Load Meters	CHECK
Mixture	LEAN
-----2nd Engine-----	
Repeat steps	

TAXI CHECK

Avionics	ON
Pitot Heat (Check Load Meter)	ON/OFF
Exterior Lights	AS REQUIRED
Flaps	RETRACT
Transponder	ALT
Parking Brake	RELEASE
Brakes	TEST
Compass	CHECK (turning)
Attitude Indicator	CHECK (turning)
Heading Indicator	CHECK (turning)
Turn Coordinator	CHECK (turning)

BEFORE TAKEOFF

Parking Brake	SET
Aux Fuel Pumps (Mid Position)	OFF
*NOTE: If above 90°F use LOW pressure	
Flight Instruments	CHECKED
Compass & RWY Heading	VERIFY
Mixture	RICH
Throttles	2300rpm
Propellers	EXERCISE
*NOTE: DO NOT move prop controls below detents Look for DROP in RPM AND increase in manifold	

Loadmeters	CHECK
Fuel Indicators	CHECK
Engine Instruments	CHECK
Throttles	1700rpm
Magnetos	CHECK
(50rpm, max 150 between)	
Throttles	1500rpm
Props	Feather Check
(Do not allow an RPM drop of 500)	
Throttles	IDLE
Comm Radios	SET
Nav Radios	SET
GPS	SET
Autopilot	CHECK
Electric Trim	CHECK/SET FOR T/O
Flight Controls	FREE/CORRECT
Flaps	SET for T/O
Doors & Windows	CLOSE
Fuel Selector Valves	ON
Time Off	LOG
Landing Light	ON
Transponder	PROPER CODE
Props	HIGH RPM
Parking Brake	RELEASE

NORMAL TAKEOFF

Power	2700rpm
Rotate	100 mph/87 kts
Gear	UP (Pos Rate)
Vx	97 mph/84 kts
Vy	119 mph/103 kts
Vxse	107 mph/93 kts
Vyse (Blue Line)	112 mph/97 kts

CLIMB CHECKLIST

Flaps	RETRACT
500 Feet	MP 25"
	RPM 2500
Normal Climb	160 mph/139 kts
Exterior Lights	REDUCE

CRUISE

Cowl Flaps	AS REQUIRED
Throttles	SET MP
Prop Levers	SET RPM
Mixture	LEAN

DESCENT

Passenger Brief	COMPLETE
Cowl Flaps	CLOSED
Mixture	ENRICHEN SLOWLY
Throttles	REDUCE MP
Prop Levers	AS REQUIRED

BEFORE LANDING - G.L.U.M.P.S.

Fuel Selector Valves	ON
Landing Light	ON
Gear Down	< 175 mph/152 kts
Mixture	RICH
Throttles	REDUCE
Prop Levers	FULL FORWARD
Seat Belts	SECURE

NORMAL

Flaps 15°	< 175 mph/152 kts
Flaps 30°	< 140 mph/122 kts
Final Approach	97-101 mph 82-88 kts

Vx 107 Vyse 112

MISSED APPROACH

Props	FULL FORWARD
Throttles	MAX
Airspeed	112 mph/100 kts
Flaps	UP
Gear	UP
Cowl Flaps	AS REQUIRED

AFTER LANDING

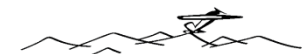
Flaps	RETRACT
Cowl Flaps	OPEN
Mixture	LEAN AS REQUIRED
Landing Light	OFF
Trims	SET FOR TAKEOFF

ENGINE SHUT DOWN

Transponder	1200/STANDBY
Throttles	1000RPM's
Heater	OFF
Aux Fuel Pumps	OFF
Exterior Lights	OFF
Avionics	OFF
Electric Trim	OFF
Mixture	IDLE/CUT OFF
Magneto Switches	OFF
Alternator Switches	OFF
Battery	OFF
Key	OFF/OUT
Flight Plan	CLOSE

SECURING AIRCRAFT

Tach/Hobbs	NOTE
Control Lock	INSTALL
Sun Visors	INSTALL
Pitot Cover	INSTALL
Tie Down	SECURE
Remove Personal Items & TRASH	



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