N2340L Checklist

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PREFLIGHT (INSIDE COCKPIT)

W&B/ Performance	Complete
AROW documents	On Board
MASTER	ON
Fuel Gauges/Valve	Check
Lights / Flaps	Check
MASTER	OFF

EXTERNAL

Chains / Chocks	Remove
Oil	Check
Fuel Quantity	Check
Fuel Sumps	Drain
Rivets / Skin / Doors	Check
Control Surfaces	Check
Tires / Brakes	Check
Prop	Check
Lights	Check
Pitot / Static	Check

ENGINE START

Briefing/Belts/Seats	Adjusted
Brakes	Check/Set
Circuit Breakers	Check
Beacon/NAV Lights	As Needed
Fuel Selector	Fullest
Mixture	RICH
Throttle	1/4" Open
Carb Heat	OFF
Prime	(4 cold/1 hot)
Boost Pump	ON
MASTER SWITCH	ON
Ignition Switch	BOTH
Area Clear/START	1,000 RPM
Oil Pressure	Check
Alternator	ON
Avionics	ON
COM / NAV'S	Set
ATIS / AWOS	Obtain
Transponder	ALT
Flaps	UP
Taxi Clearance	Obtain
Mixture	Lean
Boost Pump	OFF

• Mixture Cut-OFF when flooded

TAXIING

Landing light	On
Brakes / Instruments	Check

RUNUP

Brakes	Set
Flight Controls	Check
Boost Pump	On
Mixture	Rich / Adjust for DA
Power	1800 RPM
Mags	L&R Check
Carb Heat	Hot
Engine Gauges	Check
Oil Temp & Pressure	Check
Ammeter	Check
Throttle	Idle
Card Heat	Cold
RPM	1,000
COM / NAV'S	Check
Trim / Flaps	Set
Inst. / Alt / HSI	Set

HOLD SHORT

Doors / Windows	Secure
Lights / Transponder	Check
Clearance/Announce	Obtain

NORMAL TAKEOFF

Vr (Rotate)	65 (75)
Vy (Best Rate)	75 (86)

SHORT/SOFT FIELD Takeoff

	SHORT	SOFT
Vr (Rotate)	53 (61)	Ground Effect
Vx	68 (78)	68 (78)
Vy	75 (86)	75 (86)

CLIMB

Mixture (above 3k)	Adjust
Enroute Climb	80-90 (92-104)
1,000'	Boost Pump OFF

CRUISE

Power	Set
Mixture	Adjust
Trim	Set

DESCENT

ATIS / AWOS / ASOS	Obtain
Brief / Seat Belts	Check
Throttle	Reduce
Mixture	As Required
Landing / Taxi Lights	On
Position	Announce

LANDING

Fuel Tank	Fullest
Mixture	Rich
Throttle	Adjust
Carb Heat	ON
Boost Pump	ON
Gear	DOWN
Tank	FULLEST
Flaps Down	96 (111)
Normal Approach	69 (79)
Flaps UP Approach	80 (92)
Short / Soft Field	64 (74)

GO AROUND

Power / Carb Heat	FULL/OFF
Flaps	As Required
Pitch	75 (86)
Runway	Offset if necessary

AFTER LANDING

Flaps	UP
Mixture	LEAN
Boost Pump	OFF
Carb Heat	COLD
Clearance/Announce	Obtain

SHUTDOWN

Avionics	OFF
Landing/Nav Lights	OFF
Mixture	Idle-Cut-Off
Mags	OFF
Master/Alt	OFF
Tiedown/ Papers	Complete

LOST COM

Check: Freq, Vol, Squelch, Phones	
Transponder	7600
Pattern	Enter

ENGINE FAILURE ON TAKEOFF

Pitch	69(79)
Troubleshoot	If Alt Permits
Land	Ahead
Fuel Selector/Boost Pump	OFF
Mixture	Idle Cut-OFF
Ignition / MASTER	OFF
Door	Unlatch

ENGINE FAIL DURING FLIGHT

Pitch	78 (90)
Landing Site	Select/Into Wind
Mixture	RICH
MASTER / Boost Pump	ON
Fuel Selector	SWITCH
Carb Heat	HOT
IGNITION	RESTART

ENGINE FAILS TO START

Pitch	78 (90)
Communicate	121.5
Transponder	7700
Seat Belts	Secure
Fuel / Mixture	OFF
Door	Unlatch

ENGINE FIRE DURING FLIGHT

Fuel/Mixture/MASTER	OFF
Cabin vent	CLOSE
Windows	As Required

ELECTRICAL FIRE IN FLIGHT

MASTER Switch	OFF
Cabin Heat / Vents	As Required

EMERGENCY DESCENT

Mixture	Idle Cutoff
Fuel valve/MASTER	OFF
Throttle	CLOSE
Airspeed	131 (151)

Low Voltage/Alternator Light

Circuit Breaker	Check
Alt switch	Cycle
Ammeter / Charge	Check
Electrical Load	Reduce

If continued warning light: Land ASAP

V-Speeds

Vr	65 (75)	Vfe	95 (110)
Vx	68 (78)	Va	115 (133)
Vy	75 (86)	Vno	133 (153)
Vso	50 (57)	Vne	152 (175)
Vs	61 (70)	Max XW	13 (15)

Cruise Profile 5000 FT / ISA

PWR	RPM	KTAS	MPH	GPH
75%	2600	113	130	9.2
65%	2450	103	119	7.8
55%	2300	94	108	6.7

Light Gun Signal	GROUND
Green (Steady)	Cleared to takeoff
Green (Flashing)	Cleared to taxi
Red (Steady)	STOP
Red (Flashing)	Clear Runway
White (Flashing)	Return to Starting Point
Alt. Red/Green	CAUTION

FLIGHT
Cleared to land
Return to land
Give way to others
Airport unsafe
N/A
CAUTION

VFR Altitudes

0-179	ODD + 500
180-359	EVEN + 500