

N34WT Normal Checklist

Before Start

Preflight	COMPLETE
Tach/Hobbs	NOTE
Passenger Brief	COMPLETE
Seat track/belts	SECURE
Radio Master	OFF
Tail Strobe	ON
Flaps	0°

Starting

Fuel Selector	LESS FULL TANK
Circuit Breakers	CHECK
Trim	SET T/O
Mixture	RICH
Throttle	CRACK
Carb Heat	COLD
Primer	AS REQUIRED
Brakes	TEST & HOLD
Master	ON
Fuel Pump	ON
Propeller Area	CLEAR
Mags	START
Oil Pressure	CHECK
Fuel Pump	OFF

Taxi

Radio Master	ON
Mixture	LEAN
Weather	CHECK
Altimeters	SET
Avionics/Radios	CHECK/SET
Brakes	TEST

(While Turning)

Heading & Compass	CHECK
Turn Coordinator	CHECK

Run-Up

Brakes	HOLD
Flight Controls	CHECK
Fuel Pump	ON
Fuel Selector	SWITCH
Primer	IN/ LOCKED
Mixture	RICH
Throttle	2000 RPM
Volts	CHECK
Engine Ins.	CHECK
Mags	TEST
(175RPM max drop, 50RPM in between)	
Fuel Pump	CHECK
Carb Heat	CHECK
Idle	CHECK
Throttle	1000RPM
Flight Instruments	CHECK

Engine failure on the RWY

Throttle	IDLE
Brakes	APPLY
Stop	AHEAD

Engine failure in air, with RWY remaining

Throttle	IDLE
Land	AHEAD
Brakes	APPLY

Engine failure in air, with no RWY remaining

Airspeed	74kts
Fuel Selector	OFF
Mixture	CUTOFF
Mags	OFF
"Mayday Mayday"	
Master	OFF
Flaps	EXTENDED
Door	OPEN
Land away from obstacles at lowest possible airspeed	

Before Take-off

Flaps	0°
Carb Heat	COLD
XPDR	CODE/ ALT
Take-off Briefing	COMPLETE
Mixture	RICH
Fuel Pump	ON
Doors	LATCHED
Landing Light	ON
Time	NOTE

Normal Takeoff

Flaps	0°
(On Runway)	
Engine Ins.	GREEN
Heading	VERIFY
Throttle	FULL
Airspeed	ALIVE
Rotate	55kts
Climb Speed	87kts

Cruise

Power	SET
Trim	SET
Landing Light	OFF
Fuel Pump	OFF
Mixture	LEAN
Instruments	CHECK

Descent

Mixture	SLOWLY RICH
Carb Heat	AS REQUIRED
Throttle	REDUCE

Before Landing (GLUMPS)

Carb Heat	AS REQUIRED
Gas	TANK & PUMP
Landing light	ON
Undercarriage	DOWN
Mixture	RICH

Palmetto Sky Flight School

Props	SET
Seatbelts	ON

After Landing

Throttle	1000RPM
Lights	CONSIDER
Carb Heat	COLD
Fuel Pump	OFF
Mixture	LEAN
Flaps	0°
Trim	SET T/O

Securing Aircraft

Radio Master	OFF
Lights	OFF
Fan	OFF
Mixture	CUTOFF
Mags	OFF
Master	OFF
Tach/Hobbs	NOTE
Control Lock	INSTALL
Tie downs	INSTALL

V-Speeds

Vso.....51kts
Vs.....61kts
Vr.....55kts
Vx.....57kts
Vy.....79 kts
Vfe.....109kts
Va.....108kts
Vno.....122kts
Vne.....153kts

