

N7434W – NORMAL CHECKLIST

BEFORE START

Exterior	COMPLETE
Seats, Belts	ADJUST & LOCK
Passenger Brief	COMPLETE
Cell Phones	OFF
Fuel selector	LEAST FULL TANK
Electrical Equip. (Lights)	OFF
Beacon	ON
Carb heat	COLD
Avionics	OFF
Circuit Breakers	CHECK

STARTING ENGINE

Parking Brake	ON
Propeller Area	CLEAR
Master Switch	ON

Cold start

Throttle	1/4"
Auxiliary Fuel Pump	ON
Mixture	FULL RICH
Prime	CONSIDER 1-3 PUMPS
Magnetos	LEFT MAG ONLY
Starter Button	HOLD TO START

Hot start

Throttle	1/2"
Auxiliary Fuel Pump	ON
Mixture	FULL RICH
Magnetos	LEFT MAG ONLY
Starter Button	HOLD TO START
Throttle	1000RPM or less
Magnetos	BOTH

Oil Pressure	MUST RISE W/ 30 secs
Load Meter	CHECK
Mixture	LEAN FOR TAXI
Fuel Pump	OFF
Avionics	ON
GPS	UPDATE
Weather	OBTAIN
Flaps	RETRACT
Heading Indicator	SET

TAXI CHECK

Transponder	ALT
Brakes	TEST
Compass	CHECK (while turning)
Attitude Indicator	CHECK (while turning)
Heading Indicator	CHECK (while turning)
Turn Coordinator	CHECK (while turning)

BEFORE TAKEOFF

Parking Brake	SET
Flight Controls	FREE & CORRECT
Stabilator Trim	TAKEOFF
Auxiliary Fuel Pump	ON
Fuel selector	FULLEST TANK
Primer	IN & LOCKED
Mixture	RICH
Throttle	1800 RPM
Engine Instruments	CHECK
Load Meter	CHECK
Vacuum	4.9-5.1" Hg
Magnetos	CHECK (Drop not to exceed 125 RPM's and 50 differential)

Carb Heat	CHECK THEN OFF
Throttle	IDLE CHECK
Throttle	1000 RPM
Flight Instruments	CHECK/SET
Comm Radios	SET
Nav Radios	SET
GPS	SET
Throttle Friction Lock	ADJUST
Flight Plan	OPEN
Doors & Windows	BOTH LATCHED
Flaps	Set 0°
Time Off	LOG
Landing Light	ON
Transponder	PROPER CODE
Mixture	RICH
Compass & RWY Heading	VERIFY

NORMAL TAKEOFF

Add ½ Gust Factor to all speeds

Throttle	FULL
Rotate	52 KTS / 60 MPH
Climb	74 KTS / 85 MPH

SHORT FIELD TAKEOFF

Flaps	SET 25°
Runway	USE MAX AVAILABLE
Brakes	SET
Throttle	FULL OPEN
Engine Instruments	CHECK
Brakes	RELEASE
Yoke	NEUTRAL
Rotate	52 KTS / 60 MPH
Climb Out at Vx	64 KTS / 74 MPH
Obstacle Clear	ACCELERATE
	TO Vy -74 KTS / 85 MPH
Flaps	RETRACT

Vx 64KTS / 74 MPH

SOFT FIELD TAKEOFF

Flaps	SET 25°
Yoke	AFT
Brakes	AVOID USING
Throttle	FULL
Lift Off ASAP	ACCELERATE
	IN GROUND EFFECT
Climb Out at Vx	64 KTS / 74 MPH
Obstacle Clear	ACCELERATE
	TO Vy -74 KTS / 85 MPH
Flaps	RETRACT

CLIMB (1,000 AGL)

Auxiliary Fuel Pump	OFF
Airspeed	87 KTS / 100 MPH

CRUISE

Power	2200-2500 RPM's
Trim	SET
Landing Light	OFF
Heading Indicator	SET
Mixture	LEAN
Fuel Selector	ALTERNATE (30 MIN)

DESCENT

Passenger Brief	COMPLETE
Power	AS DESIRED
Mixture	ENRICHEN SLOWLY
Trim	SET

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

Auxiliary Fuel Pump	ON
Fuel Selector	FULLEST TANK
Landing Light	ON
Mixture	RICH
Seat Belts	SECURE

NORMAL APPROACH/LANDING

Add ½ Gust Factor to all speeds

Approach	
Flaps 0°	74 KTS / 85 MPH
Flaps 10°	71 KTS / 82 MPH
Flaps 25°	69 KTS / 79 MPH
Flaps 40°	66 KTS / 76 MPH

SHORT FIELD LANDING

Flaps	FULL
Airspeed	66 KTS / 76 MPH (+½ Gust Factor)

****CONTINUED****

Vy 74KTS / 85 MPH

CONTINUED FROM LAST COLUMN

Approach	STEEP DESCENT
	ANGLE to Clear 50' Obstacle)
Touchdown	AVOID FLOATING
Flaps	RETRACT
Brakes	APPLY HEAVILY
Elevator	FULL BACK PRESSURE

SOFT FIELD LANDING

Flaps	FULL
Airspeed	66 KTS / 76 MPH (+½ Gust)
Approach	STEEP DESCENT
	ANGLE (Clear 50' Obstacle)
Land w/ slight power	NOSE HIGH
Brakes	AVOID USING

AFTER LANDING

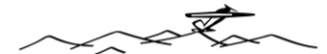
Flaps	RETRACT
Mixture	LEAN IF REQUIRED
Landing Light	OFF
Fuel Pump	OFF
Stabilator Trim	TAKEOFF

ENGINE SHUT DOWN

Throttle	1000RPM's
Flight Plan	CLOSE
Transponder	1200/STANDBY
Lights	OFF/BEACON STAYS ON
Avionics	OFF
Mixture	IDLE/CUT OFF
Ignition Key	OFF & OUT
Master	OFF
Parking Brake	OFF

SECURING AIRCRAFT

Tach/Hobbs	NOTE/CHECK IN
Control Lock	INSTALL
3 Checklists in Plane	VERIFY
Personal Items & Trash	REMOVE
Aircraft Cover	INSTALL
Pitot/Static Mast Cover	SECURE
Tie Down	SECURE



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