

N4650D – NORMAL CHECKLIST

Vx 55 Vy 73 Vg 65

BEFORE START

Exterior	COMPLETE
Seats, Belts	ADJUST & LOCK
Passenger Brief	COMPLETE
PIC	
S – Seats & Belts	
A – Aircraft	
F – Fire / No Smoking	
E – Exits	
T – Talking	
Y – Your Questions?	
Cell Phones	AIRPLANE MODE
Fuel Shutoff Valve	BOTH
Elevator Trim	TAKE OFF
Avionics	OFF
Electrical Equip. (Lights)	OFF
Beacon	ON
Circuit Breakers	CHECK

STARTING ENGINE

Brakes	TEST & HOLD
Mixture	RICH
Carburetor Heat	COLD/OFF
Prime	AS REQUIRED
	COLD One (1) Full Prime
	WARM Half (½) Prime
	HOT No Prime
Throttle	OPEN ¼"
Master Switch	ON
Propeller Area	CLEAR
Ignition Switch	START
Oil Pressure	CHECK
Ammeter	CHECK
Mixture	LEAN
Avionics	ON
Transponder	SBY/1200
Weather	OBTAIN
Flaps	UP
Heading Indicator	SET
Radio	CHECK
Brakes	TEST

TAXI CHECK - while moving

Compass	SWING FREELY
Airspeed	READS ZERO
Attitude Indicator	UP & STABILIZED
Altimeter	W/I 75' OF ELEVATION
Turn Coordinator	TURN IN PROPER DIRECTION/ BALL OPPOSITE
Heading Indicator	SWINGS FREE
VSI	NOTE WHAT IT READS

RUN UP

Flight Controls	FREE & CORRECT
Brakes	SET
Throttle	1700RPM's
Engine Instruments	CHECK
Ammeter	CHECK
Volt Meter	CHECK
Suction	CHECK
Magnetos	CHECK (Drop not to exceed 150 RPM's and 75 differential)
Alternate Static	CHECK
Carb Heat	ON-Check RPM Drop
Throttle	IDLE CHECK
Carburetor Heat	OFF
Throttle	1000 RPM's
Flight Instruments	CHECK/SET
Comm Radio's	SET
Nav Radio's	SET
Throttle Friction Lock	ADJUST



813-622-UFLY

CLIMB

Trim	SET
Landing Light	OFF
Flight Plan	OPEN

CRUISE

Power	2000-2500 RPM's
Trim	SET
Landing Light	OFF
Mixture	LEAN
Heading Indicator	CHECK
Flight Plan	OPEN

DESCENT

Passenger Brief	COMPLETE
Carburetor Heat	IF REQUIRED
Power	AS DESIRED
Mixture	ENRICHEN SLOWLY
Trim	SET

NORMAL TAKEOFF

Landing Light	ON
Strobe Lights	ON
Transponder	ALT
Mixture (Below 3,000')	RICH
Doors & Windows	LATCHED
Time Off	LOG
Flaps	Set 0°
Compass & Rwy Heading	VERIFY
Throttle	FULL
Rotate	55 KIAS
Climb	70-85 KIAS

SHORT FIELD TAKEOFF

Landing Light	ON
Strobe Lights	ON
Transponder	ALT
Mixture (Below 3,000')	RICH
Doors & Windows	LATCHED
Time Off	LOG
Flaps	SET 10°
Runway	USE MAX AVAILABLE
Brakes	HOLD
Throttle	FULL OPEN
Engine Instruments	CHECK
Brakes	RELEASE
Yoke	SLIGHT FORWARD PRESSURE
Rotate & Climb Out at Vx	55 KIAS
Obstacle Clear	ACCELERATE TO Vy 73 KIAS
Flaps	RETRACT
Normal Climb	ACCELERATE to 70-85 KIAS

SOFT FIELD TAKEOFF

Flaps	SET 10°
Yoke	AFT
Brakes	AVOID USING
Throttle	FULL
Lift Off ASAP	ACCELERATE IN GROUND EFFECT TO 55 KIAS
Climb Out at Vx	55 KIAS
Obstacle Clear	ACCELERATE TO Vy – 67-73 KIAS
FLAPS	RETRACT
Normal Climb	ACCELERATE TO 70-85 KIAS

BEFORE LANDING

Add ½ Gust Factor to all speeds

G – Gas (Fuel Selector)	BOTH
L – Landing Light	ON
U – Under-Carriage	CHECK
M – Mixture	RICH
P – Power	SET
S – Seat Belts	SECURE

NORMAL

Carb Heat	ON
Flaps	FULL
Approach	Full Flaps 65 KIAS

SHORT FIELD LANDING

Carb Heat	ON
Flaps	FULL
Airspeed	60 KIAS
Approach	STEEP DESCENT
Touchdown	AVOID FLOATING
Brakes	APPLY HEAVILY
Flaps	RETRACT
Elevator	FULL BACK PRESSURE

SOFT FIELD LANDING

Carb Heat	ON
Flaps	FULL
Airspeed	65 KIAS
Touchdown	NOSE HIGH
Carburetor Heat	OFF
Brakes	AVOID USING

AFTER LANDING

Flaps	RETRACT
Mixture	LEAN IF REQUIRED
Carburetor Heat	OFF
Transponder	1200/STANDBY
Landing Light	OFF
Strobe Lights	OFF
Trim	SET FOR TAKEOFF

ENGINE SHUT DOWN

Throttle	1000RPM's
Avionics	OFF
Lights - (Beacon On)	OFF
Mixture	IDLE/CUT OFF
Ignition Key	OFF & OUT
Master	OFF

SECURING AIRCRAFT

Tach/Hobbs	NOTE
Control Lock	INSTALL
Sun Visors	INSTALL
Pitot Cover	ON
Flight Plan	CLOSE
Tie Down	SECURE
Remove Person Items & TRASH	