

N7321G – NORMAL CHECKLIST

BEFORE START

Exterior	COMPLETE
Seats, Belts	ADJUST & LOCK
Passenger Brief	COMPLETE
Cell Phones	OFF
Fuel selector valve	BOTH
Carburetor Heat	COLD
Avionics	OFF
Electrical Equip. (Lights)	OFF
Beacon	ON
Circuit Breakers	CHECK

STARTING ENGINE

Brakes	TEST & HOLD
Propeller Area	CLEAR
Master Switch	ON
Cold start	
Throttle	1/8"
Mixture	FULL RICH
Primer	CONSIDER 2-6 PUMPS
Ignition Switch	TURN TO START
Hot start	
Throttle	1/8"
Mixture	FULL RICH
Ignition Switch	TURN TO START
Throttle	1000RPM or less
Oil Pressure	CHECK
Ammeter	CHECK
Avionics	ON
Mixture	LEAN IF REQUIRED
Weather	OBTAIN
GPS	UPDATE
Flaps	UP
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

Flight Controls	FREE & CORRECT
Elevator Trim	TAKEOFF
Primer	IN & LOCKED
Mixture	RICH
Brakes	SET
Throttle	1700 RPM
Engine Instruments	CHECK
Ammeter	CHECK
Vacuum	4.6-5.4 inHg
Magnetos	CHECK (Drop not to exceed 125 RPM and 50 differential)
Carburetor Heat	CHECK THEN OFF
Throttle	IDLE CHECK
Throttle	1000 RPM
Flight Instruments	CHECK/SET
Comm Radios	SET
Nav Radios	SET
GPS	SET
Autopilot	CHECK
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	53 KTS / 60 MPH
Climb	74 KTS / 85 MPH

SHORT FIELD TAKEOFF

Flaps	0° OR 10°
Runway	USE MAX AVAILABLE
Brakes	HOLD
Throttle	FULL OPEN
Engine Instruments	CHECK
Brakes	RELEASE
Yoke	NEUTRAL
Rotate	53 KTS / 60 MPH
Climb Out	60 KTS / 68 MPH
Obstacle Clear	ACCELERATE TO 74 KTS / 85 MPH
Flaps	RETRACT

Vx 60KTS / 68 MPH Vy 72 KTS / 82 MPH

SOFT FIELD TAKEOFF

Flaps	SET 10°
Yoke	AFT
Brakes	AVOID USING
Throttle	FULL
Lift Off ASAP	ACCELERATE IN GROUND EFFECT
Climb Out at	60 KTS / 68 MPH
Obstacle Clear	ACCELERATE TO 74 KTS / 85 MPH
Flaps	RETRACT

CLIMB (1,000 AGL)

Airspeed	74 KTS / 85 MPH
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CRUISE

Power	2200-2500 RPM
Trim	SET
Landing Light	OFF
Heading Indicator	CHECK
Mixture	LEAN
Fuel Selector	ON BOTH*
*IF ABOVE 5,000 MSL, DO NOT USE BOTH TANKS. ALTERNATE (30 MIN)	

DESCENT

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

BEFORE LANDING:

C-G.L.U.M.P.S.

Carburetor Heat	ON
Fuel Selector	ON BOTH
Landing Light	ON
Mixture	RICH
Seat Belts	SECURE

NORMAL APPROACH/LANDING

Add ½ Gust Factor to all speeds	
Flaps 0°	65-70 KTS / 75-80 MPH
Flaps 10°	65-70 KTS / 75-80 MPH
Flaps 20°	65-70 KTS / 75-80 MPH
Flaps 30°	60-65 KTS / 70-75 MPH
Flaps 40°	60-65 KTS / 70-75 MPH

SHORT FIELD LANDING

Flaps	30° or 40°
Airspeed	60 KTS / 68 MPH (+½ Gust Factor)

****CONTINUED****

CONTINUED FROM LAST COLUMN

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

SOFT FIELD LANDING

Flaps	30° or 40°
Airspeed	60 KTS/ 70 MPH (+½ Gust Factor)
Approach	STEEP DESCENT ANGLE (Clear 50' Obstacle)
Touchdown	NOSE HIGH
Brakes	AVOID USING

AFTER LANDING

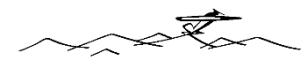
Carburetor Heat	OFF
Flaps	RETRACT
Mixture	LEAN IF REQUIRED
Landing Light	OFF
Trim	SET FOR TAKEOFF

ENGINE SHUT DOWN

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

SECURING AIRCRAFT

Tach/Hobbs	NOTE/CHECK IN
Control Lock	INSTALL
Cabin Air Vents	CLOSED
Sun Visors	INSTALL
Pitot Cover	INSTALL
Tie Downs	SECURE
Personal Items & Trash	REMOVE



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