

# N7775N – NORMAL CHECKLIST

## BEFORE START

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

## STARTING ENGINE

Parking Brake	ON
Propeller Area	CLEAR
Master Switch	ON

### Cold start

Throttle	1/4"
Prime	consider 1 - 3 PUMPS
Auxiliary Fuel Pump	ON
Mixture	FULL RICH
Ignition	TURN & PRESS TO START

### Hot start

Throttle	1/2"
Auxiliary Fuel Pump	ON
Mixture	FULL RICH
Ignition	TURN & PRESS TO START

Throttle	1000RPM or less
Oil Pressure	MUST RISE W/I 30 secs
Load Meter	CHECK
Mixture	LEAN FOR TAXI
Fuel Pump	OFF
Avionics	ON
PFD	ON
GPS	UPDATE
Weather	OBTAIN
Flaps	RETRACT

## 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
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
Autopilot	CHECK
Throttle Friction Lock	ADJUST
Flight Plan	OPEN
Doors & Windows	<b>BOTH</b> LATCHED
Flaps	Set 0°
Time Off	LOG
Landing Light	ON
Transponder	ALT & PROPER CODE
Compass & RWY Heading	VERIFY

## NORMAL TAKEOFF

*\*Add ½ Gust Factor to all speeds\**

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

## SHORT FIELD TAKEOFF

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

# Vx 74 MPH / 64KTS

# Vy 85 MPH / 74KTS

## SOFT FIELD TAKEOFF

Flaps	SET 25°
Yoke	AFT
Brakes	AVOID USING
Throttle	FULL
Lift Off ASAP	ACCELERATE IN GROUND EFFECT TO 60 MPH / 52KTS
Climb Out at Vx	74 MPH / 64KTS
Obstacle Clear	ACCELERATE TO Vy 85 MPH / 74TS
Flaps	RETRACT
Normal Climb	ACCELERATE TO 100 MPH / 87KTS

## CRUISE CLIMB (1,000 AGL)

Auxiliary Fuel Pump	1000' OFF
Airspeed	100 MPH / 87 KTS

## CRUISE

Power	2000-2500 RPM's
Trim	SET
Landing Light	OFF
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

*\*Add ½ Gust Factor to all speeds\**

### Approach

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

## SHORT FIELD

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

**\*\*CONTINUED\*\***

## \*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

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

## AFTER LANDING

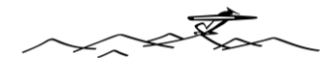
Flaps	RETRACT
Mixture	LEAN IF REQUIRED
Landing Light	OFF
Fuel Pump	OFF
Trim	SET FOR TAKEOFF

## ENGINE SHUT DOWN

Throttle	1000RPM's
Flight Plan	CLOSE
Strobe Light	OFF
Auto Pilot	OFF
PFD	OFF
Transponder	1200/STANDBY
Lights - (Beacon On)	OFF
Avionics	OFF
Mixture	IDLE/CUT OFF
Ignition Key	OFF & OUT
Master	OFF
Parking Brake	OFF

## SECURING AIRCRAFT

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



**FLIGHT SCHOOL**

of

Greenville