

FREQUENCIES

BED	
ATIS	124.6
GROUND	121.7
TOWER	118.5
BOS APP	124.4
Signature	130.8
	or 781-274-0010

OWD

ATIS	119.95
GROUND	121.8
TOWER	126.0
BOS APP	124.1

ASH

ATIS	125.1
GROUND	121.8
TOWER	133.2
BOS APP	124.9

Practice area-ALL	123.5
-------------------	-------

Emergency (guard)	121.5
-------------------	-------

COCKPIT SAFETY CHECK

Magnos	OFF, KEY OUT
Mixture	CUTOFF
Throttle	CLOSED

PREFLIGHT

Hobbs & tach	RECORD
Documents (AROW)	CHECK
Flight controls	RELEASE
Parking brake	AS REQUIRED
Avionics/Radio master	OFF
Electrical switches	OFF
Master switch	ON
Fuel gauges	CHECK
Annunciator panel	TEST
Aux vacuum pump	CHECK
Pitot heat	ON, CHECK, OFF
Exterior lights	ON, CHECK, OFF
Stall horn	CHECK
Master switch	OFF
Altimeter	FIELD ELEVATION
Magnetic compass	CHECK
Pitot & static drains	DRAIN
Flight controls	CHECK
Flaps	EXTEND
Fire extinguisher	CHECK
Windows	CHECK

RIGHT WING

General condition	CHECK & CLEAR
Flap	CHECK
Aileron	CHECK
Wingtip	CHECK

Tie down/chock	REMOVE
Fuel tank vent	CHECK
Fuel tank sump	DRAIN & NO DRIPS
Fuel tank & quantity	CHECK
Fuel cap & vent	CHECK
Main gear & Brakes	CHECK
Fresh air inlet	CHECK

NOSE

General condition & leaks	CHECK
Right engine compartment	CHECK
Oil (max 6, min 5.5)	CHECK
Propeller & spinner	CHECK
Alternator belt	CHECK
Air inlets	CHECK
Nose gear	CHECK
Chock	REMOVE
Left engine compartment	CHECK
Cowlings	SECURE
Fuel strainer	DRAIN & NO DRIPS

LEFT WING

General condition	CHECK & CLEAR
Fresh air inlet	CHECK
Main gear & Brakes	CHECK
Fuel tank vent	CHECK
Fuel tank sump	DRAIN & NO DRIPS
Fuel tank & quantity	CHECK
Fuel cap & vent	CHECK
Tie down/chock	REMOVE
Pitot Tube 3 Holes	CHECK
Wingtip	CHECK
Aileron	CHECK
Flap	CHECK

LEFT FUSELAGE

General condition	CHECK
Antennas	CHECK
Fresh air inlet	CLEAR

EMPPENNAGE

Stabilator	CHECK & CLEAR
Trim tab	CHECK & CLEAR
Rudder	CHECK & CLEAR
Antennas	CHECK
Tie down	REMOVE

RIGHT FUSELAGE

General condition	CHECK
Antennas	CHECK
Baggage area	SECURE
Baggage door	Unlocked & LATCHED

BEFORE ENGINE START

Tail Lock	IN COCKPIT
Flaps	RETRACT
Passenger briefing	COMPLETE
Seats & seat belts	SECURE
Fuel selector	LOWEST TANK or EITHER TANK
Circuit breakers	CHECK
Strobes	ON
Carb heat	OFF
Brakes	SET & HOLD

ENGINE START

Mixture	RICH
Throttle	1/4" COLD, 1/2" HOT
Master & Alt switches	ON
Fuel pump	ON CK PRESSURE
Prime	IF WON'T START
Propeller area	CLEAR
Starter	ENGAGE
Throttle	800 RPM (No Higher Than 1000)
Oil pressure	CHECK
Fuel pump	OFF
Mixture	LEAN

BEFORE TAXI

Avionics/Radio master	ON
Transponder (1200 VFR)	ALT
Radios	SET
ATIS	CHECK
Flight instruments	SET
Lights	AS APPROPRIATE
Navigation & Transponder	SET
Radio	CLNC, GROUND/CTAF

TAXI

Parking Brake	RELEASED
Brakes	CHECK
Flight instruments	CHECK

ENGINE RUNUP

Brakes	SET & HOLD
Oil Temp	IN THE GREEN
Fuel selector	OTHER TANK
Mixture (below 5000')	RICH
Throttle	2000 RPM
Mags (drop 175, diff 50)	CHECK
Vacuum (4.9-5.1")	CHECK
Engine gauges	CHECK
Annunciator panel	TEST
Load meter	CHARGING LTS & pitot on/off
Carb heat (75 RPM drop/NO RISE)	..ON
Throttle (min 500 RPM)	IDLE
Carb heat	OFF
Throttle	1000 RPM

BEFORE TAKEOFF

Primer	LOCKED
Fuel pump	ON
Pitot heat	AS REQUIRED
Flight instruments	CHECK
Trims X 2	TAKEOFF
Flight controls	CHECK
Flaps	NORMAL 0°, SHORT/SOFT 25°
Seats & seat belts	UPRIGHT & SECURE
Door & window	SECURE
Lights	ON
Takeoff briefing	COMPLETE
Radio	TOWER/CTAF
#2 Radio	MONITOR 121.5

TAKEOFF

Mixture (below 5000')..... RICH
 Throttle FULL
 Power (2330-2430 RPM=STATIC) . CHECK
 Engine gauges..... CHECK
 Airspeed CHECK
 Rotate (0°/25°) 55/52 KIAS

CLIMB

Flaps...RETRACT AT SAFE SPEED (60KIAS)
 Airspeed (cruise climb)... 87 KIAS/500'/MIN
 Fuel pump OFF
 Fuel & Oil pressure CHECK

CRUISE

Power AS REQUIRED
 Mixture LEAN AS REQUIRED

FUEL TANK SWITCH

Fuel pump ON
 Fuel selector DESIRED TANK
 Fuel pressure CHECK
 Fuel pump OFF

DESCENT

Power AS REQUIRED
 Mixture AS REQUIRED
 ATIS..... OBTAIN
 Altimeters..... SET
 Carb heat AS REQUIRED
 Seats & seat belts..UPRIGHT & SECURE

APPROACH & LANDING

Downwind..... 90 KTS
 Fuel pump ON
 Fuel selector FULLEST TANK
 Mixture (below 5000')..... RICH
 Carb heat AS REQUIRED
 Flaps (<103 KIAS) AS REQUIRED
 Landing (0°) 70 KIAS
 Landing (40°)..... 63 KIAS

AFTER LANDING

Radio GROUND/CTAF
 RPM..... 1000
 Flaps..... RETRACT
 Fuel pump OFF
 Carb heat OFF
 Mixture LEAN
 Lights.....AS REQUIRED

SHUTDOWN

Call for fuel..... AS REQUIRED
 Avionics/Radio master OFF
 Throttle IDLE
 Mixture CUTOFF
 Pitot Heat.....OFF

WHEN PROP STOPS

Magneto OFF, KEY OUT
 Electrical switches OFF
 Master & Alt switches.....OFF
 Hobbs & tach RECORD
 Flight controls.....SECURE
 Tie downs.....SECURE
 CoverON

SPEEDS

Vg (0°)..... 73 KIAS
 glide distance approx 1 NM per 550'
 Va (2325/1531 lbs) 111/88 KIAS
 Vfe 103 KIAS
 Vy (0°) 151/161 75/79 KIAS
 Vx (0°)..... 63 KIAS
 Vx (25°) 55 KIAS
 Vs0..... 44 KIAS
 Vs1..... 50 KIAS

SPECS

Usable fuel tabs/full..... 34g/48g
 Taxi fuel 1.0g
 Climb fuel 12.0 GPH
 Crosswind 17 KTS
 Maneuvers 2200 RPM/90 KTS

PA28-151 (N75202, N6910J):

Cruise 3000'@73%.. 2500 RPM/109KTS
 Cruise GPH@73% (leaned) 9.0

PA28-161 (N3572M, N116ND):

Cruise 3000'@70%.. 2500 RPM/108KTS
 Cruise GPH@70% (leaned) 9.4

FREQUENCIES**BED**

ATIS **124.6**
GROUND **121.7**
TOWER **118.5**
BOS APP **124.4**
Signature **130.8**
..... or 781-274-0010

OWD

ATIS **119.95**
GROUND **121.8**
TOWER **126.0**
BOS APP **124.1**

ASH

ATIS **125.1**
GROUND **121.8**
TOWER **133.2**
BOS APP **124.9**

Practice area-ALL **123.5**
Emergency (guard) **121.5**

EMERGENCIES NOTE: NOT ALL EPs
 are here. Check POH for additional
 procedures

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
 Mixture..... CUTOFF
 Throttle OPEN
 Fuel pump OFF
 Fuel selector..... OFF

ENGINE POWER LOSS IN FLIGHT

Fuel selector.... SWITCH-TANK WITH FUEL
 Fuel pump..... ON
 Mixture..... RICH
 Carb heat ON
 Magnetos..... BOTH
 Engine gauges CHECK
 Primer..... LOCKED

POWER OFF LANDING

Trim for best glide..... 73 KIAS
 Landing area IDENTIFY
 Radio MAYDAY
 ELT..... ON
 Transponder..... 7700
 Final approach (40°)..... 63 KIAS
 Magnetos..... OFF
 Master switch OFF
 Alternator switch..... OFF
 Fuel selector..... OFF
 Mixture..... CUTOFF
 Seatbelts SECURE
 Door UNLATCH

ENGINE ROUGHNESS

Carb heat ON
 If still rough after ONE MINUTE:
 Carb heat OFF
 Mixture.....ADJUST TO SMOOTHEST
 Fuel pump..... ON
 Fuel selector..... SWITCH TANKS
 Engine gauges CHECK
 Magnetos.....CHECK SMOOTHEST
 Mixture..... RICH
 Land AS SOON AS PRACTICAL

ENGINE FIRE IN FLIGHT

Fuel selector..... OFF
 Throttle CLOSED
 Mixture..... CUTOFF
 Fuel pump..... OFF
 Heater & defroster..... OFF
 Speed INCREASE TO EXTINGUISH
 Land IMMEDIATELY

LOSS OF FUEL PRESSURE

Fuel pump..... ON
 Fuel selector..... CHECK ON FULL TANK

ELECTRICAL (CABIN) FIRE

Master switch OFF
 Alternator switch..... OFF
 Vents OPEN
 Heater & defroster..... OFF
 Fire extinguisher AS NECESSARY
 Land AS SOON AS PRACTICAL