

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
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Emergency (guard)	121.5
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COCKPIT SAFETY CHECK

Magnetics	OFF, KEY OUT
Mixture	CUTOFF
Throttle	CLOSED

PREFLIGHT

Hobbs	RECORD
Documents (AROW) and G-1000	
reference guide	ON-BOARD
Flight control lock	REMOVE
Parking brake	AS REQUIRED
Avionics 1 & 2	OFF
Electrical switches	OFF
Master switches	ON
Fuel gauges	CHECK
Low fuel annunciators	ABSENT
Oil pressure annunciator	SHOWN
Low vacuum annunciator	SHOWN
Low volts annunciator	SHOWN
Tach (System	
Page)	RECORD
Avionics 1	ON, CHECK FAN, OFF
Avionics 2	ON, CHECK FAN, OFF
Pitot heat	ON, CHECK, OFF
Exterior lights	ON, CHECK, OFF
Stall warning	CHECK
Master switches	OFF
Altimeter	FIELD ELEVATION
Magnetic compass	CHECK
Fuel selector	BOTH
Cowl flaps	OPEN
Alternate static	OFF
Fire extinguisher	CHECK
Windows	CHECK

EMPENNAGE

General condition	CHECK
Baggage door	Unlocked & LATCHED
Tie down	REMOVE
Elevator	CHECK & CLEAR
Trim tab	CHECK & CLEAR
Rudder	CHECK & CLEAR
Antennas	CHECK

RIGHT WING

General condition	CHECK & CLEAR
Flap	CHECK
Aileron & Weights	CHECK
Wingtip	CHECK
Tie down/chock	REMOVE
Main gear & Brake	CHECK
Fairing	Check Security & Condition
Fuel tank sumps (5)	DRAIN & NO DRIPS
Fuel tank	CHECK
Fuel cap & Vent	CHECK
Fresh air inlet	CHECK

NOSE

General condition & leaks	CHECK
Right static port	CHECK
Fuel drains(3)	DRAIN & NO DRIPS
Oil (max 7, min 6)	CHECK
Propeller & spinner	CHECK
Alternator belt	CHECK
Air inlets	CHECK
Air filter	CHECK
Nose gear	CHECK
Fairing	Check Security & Condition
Chock	REMOVE
Left static port	CHECK

LEFT WING

General condition	CHECK & CLEAR
Fresh air inlet	CHECK
Pitot	CHECK
Tie down/chock	REMOVE
Fuel tank vent	CHECK
Fuel tank sumps (5)	DRAIN & NO DRIPS
Fuel tank	CHECK
Fuel cap & Vent	CHECK
Wingtip	CHECK
Aileron & Weights	CHECK
Flap	CHECK
Main gear & Brake	CHECK
Fairing	Check Security & Condition

BEFORE ENGINE START

Tail Lock	IN COCKPIT
Passenger briefing	COMPLETE
Seats & seat belts	SECURE
Circuit breakers	CHECK
Electrical switches	OFF
Avionics 1 & 2	OFF
Fuel selector	BOTH
Brakes	SET & HOLD

ENGINE START

Mixture	CUTOFF
Propeller	MAX RPM
Throttle	1/4" OPEN
Standby batt	TEST 20 SECS, ARM
Engine indicators	CHECK NO X's
E BUS volts	MIN 24v
M BUS volts	MAX 1.5v
Batt S amps	DISCHARGE
Standby batt annuciator	SHOWN
Master switches	ON
Beacon	ON
Prime if COLD:	
- Fuel pump	ON
- Mixture	RICH 3-5 SECS, CUTOFF
- Fuel pump	OFF
Propeller area	CLEAR
Starter	ENGAGE
Mixture	RICH
Throttle.. 800 RPM (No Higher Than 1000)	
Oil pressure	CHECK
M & S BATT	POSITIVE
Low volts annuciator	ABSENT
Mixture	LEAN

BEFORE TAXI

Avionics 1 & 2	ON
Flaps	RETRACT
Fuel quantity	SET
Transponder (1200 VFR)	SET
Radios	SET
ATIS	CHECK
Flight instruments	SET
Autopilot	CHECK
Lights	AS APPROPRIATE
Navigation & Transponder	SET
Radio	CLNC, GROUND/CTAF

TAXI

Parking Brake	RELEASE
Brakes	CHECK
Flight instruments	CHECK

ENGINE RUNUP

Brakes	SET & HOLD
Fuel selector	BOTH
Mixture (below 5000')	RICH
Oil Temp	IN THE
GREEN Throttle	1800 RPM
Mags (drop 175, diff 50)	CHECK
Propeller	CYCLE
Vacuum	CHECK
Engine indicators	CHECK
Ammeters & voltmeters	CHECK
Annunciators	ABSENT
Throttle	IDLE
Throttle	1000 RPM

BEFORE TAKEOFF

Pitot heat	AS REQUIRED
Flight instruments	CHECK
...CONTINUED ON BACK...	

FLIGHT**C182T G1000 CESSNA SKYLANE****FLIGHT**

Electric trim CHECK
 Flight controls CHECK
 Autopilot OFF
 Cabin power OFF
 Trims TAKEOFF
 Flaps Normal 0°-10°, Short/Soft 20°
 Seats & seat belts SECURE
 Doors & windows SECURE
 Lights ON
 Takeoff briefing COMPLETE
 Radio..... TOWER/CTAF
 #2 Radio..... MONITOR 121.5

TAKEOFF

Mixture (below 5000') RICH
 Throttle..... FULL
 Power RPM (2350-2400 RPM=Static) . CHECK
 Engine gauges CHECK
 Airspeed..... CHECK
 Rotate 55 KIAS

CLIMB

Flaps.....retract slowly >70KIAS
 Airspeed (cruise climb)..... 85-95
 KIAS/500'/MIN
 Manifold pressure 23" OR FULL
 Mixture 15 GPH OR FULL
 Cowl flaps AS REQUIRED

CRUISE

Power AS REQUIRED
 Mixture LEAN AS REQUIRED
 Cowl flaps AS REQUIRED

DESCENT

Power AS REQUIRED
 Mixture AS REQUIRED
 Cowl flaps AS REQUIRED
 Altimeters SET
 Seats & seat belts..UPRIGHT & SECURE

APPROACH & LANDING

Downwind 90 KTS
 Cabin power OFF
 Fuel selector BOTH
 Mixture (below 5000') RICH
 Flaps AS REQUIRED
 Landing (0°)..... 70-80 KIAS
 Landing (30°) 60-70 KIAS

AFTER LANDING

Radio..... GROUND/CTAF
 RPM 1000
 Cowl flaps OPEN
 Flaps RETRACT
 Mixture LEAN
 Lights.....AS REQUIRED
 Pitot Heat.....OFF

SHUTDOWN

Call for fuel..... AS REQUIRED
 Avionics 1 & 2 OFF
 Throttle..... IDLE
 Mixture CUTOFF

WHEN PROP STOPS

Magnetics OFF, KEY OUT
 Electrical switches OFF
 Master switches OFF
 Hobbs & tach..... RECORD
 Standby batt OFF
 Flight control lock INSTALL
 Cowl flaps CLOSED
 Fuel selector..... LEFT or RIGHT
 Tie downs SECURE

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SPEEDS

Vg (0°).....76 KIAS
glide distance approx 1 NM per 680'
 Va (3100/2100 lbs) 110/91 KIAS
 Vfe (10°/20°/30°)... 140/120/100 KIAS
 Vy (0°, sea level-10K') 80-74 KIAS
 Vx (0°, sea level-10K') 65-68 KIAS
 Vx (20°) 58 KIAS
 Vs0 41 KIAS
 Vs1 51 KIAS

SPECS

Usable fuel tabs/full 64g/87g
 Taxi fuel 1.7g
 Climb fuel 18.0 GPH
 Crosswind 15 KTS
 Maneuvers 2400 RPM/14"/90 KTS
 Cruise:
 3000'@80% 2400 RPM/24"/140 KTS
 Cruise GPH@80% (leaned).....13.8

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

ENGINE FIRE DURING START
 Starter..... CONTINUE CRANKING

Mixture.....CUTOFF
Throttle OPEN
Fuel selector OFF
Fuel pump OFF
Magnetics.....OFF
Standby batt OFF
Master switches.....OFF
Fire Extinguisher ACTIVATE

ENGINE POWER LOSS

Airspeed..... 76 KIAS
 Fuel selector BOTH
 Fuel pump ON
 Mixture RICH
 Magnetos BOTH
 Engine gauges CHECK
 Fuel pump OFF

POWER OFF LANDING

Airspeed (0°/>0°) 75/70 KIAS
 Landing area..... IDENTIFY
 Radio MAYDAY
 Transponder 7700
 Final approach (30°)..... 70 KIAS
 Mixture CUTOFF
 Fuel selector OFF
 Magnetos OFF
 Standby batt..... OFF
 Master switches..... OFF
 Seat belts..... SECURE
 Doors UNLATCH

ENGINE FIRE IN FLIGHT

Mixture CUTOFF
 Fuel selector OFF
 Fuel pump OFF
 Throttle..... CLOSED
 Master switches..... OFF
 Cabin heat & air OFF
 Speed INCREASE TO EXTINGUISH
 Land IMMEDIATELY

ELECTRICAL FIRE

Standby batt..... OFF
 Master switches..... OFF
 Vents, cabin heat & air CLOSED
 Fire extinguisher AS NECESSARY
 Avionics 1 & 2 OFF
 Electrical switches OFF
 Vents (when fire extinguished)....OPEN
 Land AS SOON AS PRACTICAL

**LANDING W/O ELEVATOR
CONTROL**

Trim..... 80 KIAS
 Flaps..... 20°
 Power....USE ONLY POWER TO
 CLIMB/DESCEND

FLIGHT**C182T G1000 CESSNA SKYLANE****FLIGHT**