

C182T G1000 CESSNA SKYLANE CHECKLIST

EAST COAST AERO CLUB

PREFLIGHT

COCKPIT SAFETY CHECK

MagnetosOFF, KEY OUT
MixtureCUTOFF
ThrottleCLOSED

Hobbs.RECORD
 Documents (AROW) G1000 Ref Guide...ON-BOARD
 Flight controls lockREMOVE
 Parking brake released.....AS REQUIRED
 Avionics 1 & 2 OFF
 Electrical switches OFF
 Master switches **PROP CLEAR** 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
 Altimeters set to field elevation PFD
 Autopilot & standby altimeter SET
 Pitot heat (ONLY IF REQUIRED) ON, CHECK, OFF
 Exterior lights ON, CHECK, OFF
 Stall warning CHECK
 Flaps EXTEND
 Master switches OFF
 Magnetic compass & deviation cardCHECK
 Fuel selectorBOTH
 Cowl flapsOPEN
 Alternate static OFF
 Fire extinguisherCHECK
 Windows.....CHECK

EMPENNAGE

General Condition CHECK
STD Autopilot static portCHECK
 Baggage door..... Un-locked & LATCHED
 Tail tie down/Lock REMOVE
 Elevator & Counter WtsCHECK & CLEAR
 Trim tab CHECK & CLEAR
 Rudder CHECK & CLEAR
 Antennas CHECK

RIGHT WING

General conditionCHECK & CLEAR
 Flap CHECK
 Aileron & Weights CHECK
 Wingtip CHECK
 Tie down/chock REMOVE
 Fuel tank vent CHECK
 Main gear & BrakesCHECK
 Fairing - Security & Condition..... CHECK
 Fuel tank sumps (5)..... DRAIN & NO DRIPS
 Fuel tank & quantity 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 (7 Qts) CHECK
 Propeller & spinner CHECK
 Alternator beltCHECK
 Air inlets CHECK
 Air filter CHECK
 Nose gear & strut CHECK
 Fairing Check Security & Condition
 Chock & Tow Bar REMOVE
 Left static port CHECK
 Cowl Flaps & Exhaust 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 & quantity CHECK
 Fuel cap & vent CHECK
 Wingtip CHECK
 Aileron & Weights CHECK
 Flap CHECK
 Main gear & Brakes 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
 Cowl FlapsOPEN
 Brakes HOLD

ENGINE START

FlapsUP
 Mixture CUTOFF
 Propeller MAX RPM
 Throttle 1/4" OPEN
STD Standby batt TEST 20 SECS,
 ensure lamp does not go off, ARM
NXI Standby batt TEST 10 SECS,
 ensure lamp does not go off, ARM
 Engine indicatorsCHECK NO X's
 E BUS volts MIN 24v
 M BUS volts MAX 15v
 Batt S amps DISCHARGE
 Standby batt annunciator SHOWN
 Master switchesON
 Beacon ON
 Prime if COLD:
 - Fuel pump ON
 - Mixture RICH 3-5 SECS, CUTOFF
 - Fuel pump OFF

PROPELLER AREACLEAR

Starter ENGAGE
 Mixture RICH
 Throttle800 RPM (No Higher Than 1000)
 Oil pressure CHECK
 M & S BATT POSITIVE
 Low volts annunciator ABSENT
 Mixture LEAN

BEFORE TAXI

Avionics 1 & 2 ON
 Flaps CHECK RETRACTED
 Fuel quantitySET
 Transponder (1200) ALT
 Radios SET
 ATIS CHECK
 Flight instruments SET
 AutopilotCHECK
 Navigation & Transponder..... SET
 Radio CLNC, GROUND/CTAF
 #2 Radio MONITOR 121.5
 LightsAS APPROPRIATE

TAXI

Parking BrakeRELEASE
 BrakesCHECK
 Flight instrumentsCHECK

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 indicatorsCHECK
 Ammeter CheckCHECK
TURN ON ONLY EQUIPMENT & LTS EXPECTED FOR FLT.
EXTEND FLAPS ONLY FOR SHORT OR SOFT FIELD T/O

Annunciators & voltmeters CHECK
 Annunciators ABSENT
 Throttle (min 500 RPM) IDLE
 Throttle 1000 RPM

BEFORE TAKEOFF

Pitot heat AS REQUIRED
 Flight instruments CHECK
 Electric Trim TAKEOFF
 Flight controls..... CHECK
 Autopilot OFF
 Cabin power OFF
 Trims Elevator & Rudder.....TAKEOFF
 Flaps ... NORMAL 0-10°, SHORT / SOFT 20°
 Seats & seat belts SECURE
 Doors & windows SECURE
 Takeoff briefing COMPLETE
 Radio. TOWER/CTAF
 #2 Radio MONITOR 121.5
 Lights WHEN CLRD FOR TAKEOFF ... AS APPROPRIATE

FREQUENCIES

HANSCOM - KBED

ATIS124.6
 GROUND121.7
 TOWER118.5
 BOS APP124.4
 Signature (or 781-274-0010).....130.8

PRACTICE AREA - ALL123.5

NORWOOD - KOWD

ATIS119.95
 GROUND121.8
 TOWER126.0
 BOS APP 120.6 / 124.1
 Flight Level (or 781-769-8680) 129.42

EMERGENCY (GUARD)..... 121.5

NASHUA - KASH

ATIS125.1
 GROUND121.8
 TOWER133.2
 BOS APP124.9
 Infinity (or 603-598-4526)..... 129.75

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EAST COAST AERO CLUB

TAKEOFF

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

CLIMB

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

CRUISE

PowerAS REQUIRED
Mixture.....LEAN AS REQUIRED
Cowl flaps Check Temps..... AS REQUIRED

DESCENT

Fuel Selector BOTH
Power REDUCE SLOWLY
MixtureAS REQUIRED/RICH
Cowl flaps AS REQUIRED
Altimeters SET
Seats & seat belts.....UPRIGHT & SECURE

APPROACH & LANDING

Downwind 90 KIAS
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

RPM 1000
Radio GROUND/CTAF
Cowl flaps OPEN
Flaps RETRACT
Mixture LEAN
Lights AS REQUIRED
Pitot Heat OFF
Transponder 1200

SHUTDOWN

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

WHEN PROP STOPS

Magnetos..... OFF
KEY OUT / ON CONSOLE
Electrical switchesOFF
Master switches OFF
Hobbs & tach..... RECORD
Standby batt OFF
Flight control lockINSTALL
Cowl flapsOPEN
Fuel selector LEFT or RIGHT
Tie downs SECURE

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

AIRPLANE SPECS

Usable fuel tabs/full..... 64g/87g
Taxi fuel 1.7g
Climb fuel18.0 GPH
Crosswind 15 KTS
Maneuvers 2400 RPM/14"/90 KTS
Cruise:
3000'@80% 2400 RPM/24"/140 KTS
Cruise GPH@80% (leaned)13.8

EMERGENCY PROCEDURES

NOTE: NOT ALL EMERGENCY PROCEDURES
ARE HERE

Check POH for additional procedures

ENGINE FIRE DURING START

Starter CONTINUE CRANKING
Mixture CUTOFF
ThrottleOPEN
Fuel selector OFF
Fuel pump OFF
Magnetos OFF
Standby batt OFF
Master switches OFF
Fire Extinguisher ACTIVATE

ENGINE POWER LOSS IN FLIGHT

Airspeed76 KTS
Fuel selectorBOTH
Fuel pump ON
Mixture RICH
Magnetos BOTH
Engine gaugesCHECK
Fuel pump OFF

POWER OFF LANDING

Trim for best glide 76 KTS
Airspeed (0°/>0°) 75/70 KIAS
Landing areaIDENTIFY
RadioMAYDAY
Transponder 7700
Final approach (30°) 70 KIAS
MixtureCUTOFF
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
Airspeed INCREASE TO EXTINGUISH
Land IMMEDIATELY

ELECTRICAL FIRE

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

LANDING W/O ELEVATOR CONTROL

Trim80 KIAS
Flaps 20°
Power USE ONLY POWER TO
CLIMB/DESCEND

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