

Normal Procedures

AIRCRAFT ACCEPTANCE

Magento Switch.....OFF
Control Lock.....REMOVE
Master Switch.....ON
Avionics Switch (Bus 1 & 2).....OFF
PFD.....VERIFY ON
Fuel Quantity.....CHECKED (reset used)
Note: Flight not recommended when both fuel quantity indicators are in the yellow band range.
Low Fuel Annunciator.....VERIFY OFF
Oil Pressure Annunciator.....ON
Low Volts Annunciator.....ON
Low Vacuum Annunciator.....ON
Avionics Switch (Bus 1).....ON
Fwd Avionics Fan.....CHECK OPERATION
Avionics Switch (Bus 1).....OFF
Avionics Switch (Bus 2).....ON
Aft Avionics Fan.....CHECK OPERATION
Avionics Switch (Bus 2).....OFF
Pitot Heat.....CHECKED
Tachometer/Hobbs.....CHECKED
Master Switch.....OFF
Alternate Static Air.....OFF
Maintenance Status.....CHECKED
AR(R)OW.....CHECKED
G1000 Reference Guide.....ACCESSIBLE

BEFORE STARTING ENGINE

Preflight Inspection.....COMPLETE
Passenger Briefing.....COMPLETE
Seatbelts/Harnesses.....ON
Doors.....CLOSED AND LATCHED
Circuit Breakers.....CHECKED IN
Fuel Selector.....BOTH
Cowl Flaps.....OPEN
Electrical Equipment.....OFF
Brakes.....SET

STARTING ENGINE

Standby Battery Switch.....TEST THEN ARM
EIS.....CHECKED
Bus E Volts.....24 VOLTS MIN
Bus M Volts.....1.5 VOLTS MAX
Battery S Amps.....DISCHARGE
Standby Battery Annunciator.....ON
Master Switch.....ON
Standby Master Switch.....ON
Beacon.....ON
Throttle.....OPEN ¼ INCH
Propeller.....HIGH RPM
Oil Temperature.....CHECKED
Fuel Pump.....AS REQUIRED
Mixture.....IF REQUIRED, ADVANCE TO 5 GPH
Mixture.....IDLE CUT-OFF
Fuel Pump.....OFF
Propeller Area.....CLEAR
Ignition Switch.....START
Mixture.....ADVANCE AFTER START
Throttle.....1000 RPM
Oil Pressure.....CHECKED
Amps.....CHECK POSITIVE CHARGE
Low Volts Annunciator.....VERIFY OFF
Avionics Switch.....ON
Mixture.....AS REQUIRED

TAXI

Exterior Lights.....AS REQUIRED
Weather.....OBTAINED
Instruments (PFD and Standby).....CHECKED
Transponder.....VERIFY
Brakes / Steering.....CHECKED

Cessna 182T - G1000 Checklist

BEFORE TAKEOFF

Parking Brake.....SET
Doors & Windows.....CHECKED
Flight Controls.....FREE & CORRECT
Trim.....CHECKED
Flight Instruments.....CHECK (no red X's)
Fuel Quantity.....CHECKED
Mixture.....RICH
Throttle.....1800 RPM
Magneto (Max 175 RPM/ 50 Diff).....CHECKED
Propeller.....CYCLE
VAC Indicator.....CHECKED
Engine Instruments & Ammeters.....CHECKED
Annunciators.....CLEAR
Throttle.....IDLE THEN 1000 RPM
Mixture.....AS REQUIRED
Avionics.....SET
Departure Briefing.....COMPLETE
Parking Brake.....OFF

LINE UP

Exterior Lights.....ON
Pitot Heat.....AS REQUIRED
Flaps.....SET (10° for normal takeoff)
Mixture.....RICH (below 3,000' pressure alt)
Cowl Flaps.....OPEN

CLIMB

Flaps.....UP
Throttle.....23 INCHES HG
Propeller.....2400 RPM
Mixture.....AS REQUIRED
Engine Gauges.....CHECKED
Airspeed....Vy (80) until 1000' then 85-95 KIAS

CRUISE

Throttle.....SET
 Propeller.....SET
 Mixture.....AS REQUIRED (Lean Assist)
 Cowl Flaps.....AS REQUIRED
 Landing Light.....AS REQUIRED
 Heading Indicator/ Compass.....CHECKED

DESCENT

Weather.....OBTAINED
 Altimeters.....SET
 Throttle.....AS DESIRED
 Propeller.....AS DESIRED
 Mixture.....AS REQUIRED
 Cowl Flaps.....AS REQUIRED
 Fuel Selector.....BOTH
 Landing Light.....AS REQUIRED
 Approach Briefing.....COMPLETE

BEFORE LANDING

Passenger Briefing.....COMPLETE
 Seat Belts / Harnesses.....ON
 Fuel Selector.....BOTH
 Mixture.....AS REQUIRED
 Propeller.....HIGH RPM
 Autopilot.....OFF
 Landing Light.....ON
 Flaps.....SET

AFTER LANDING

Throttle.....1000 RPM
 Mixture.....AS REQUIRED
 Landing Light.....OFF
 Exterior Lights.....AS REQUIRED
 Trim.....RESET
 Cowl Flaps.....OPEN
 Flaps.....UP
 Pitot Heat.....OFF

SECURING

Brakes.....HOLD
 Avionics Master Switch.....OFF
 Throttle.....1000 RPM OR LESS
 Magnetos.....GROUND CHECK
 Throttle.....1500 RPM FOR 5 SECONDS
 Mixture.....IDLE CUT-OFF
 Magnetos.....OFF
 Keys.....OUT
 Electrical Equipment.....OFF
 Tachometer/Hobbs.....RECORDED
 Master Switch.....OFF
 Standby Battery Switch.....OFF
 Fuel Selector.....LEFT or RIGHT
 Control Lock..... IN
 Wheel Chocks/Tie Down.....SECURE

Emergency Procedures

ENGINE FIRE DURING START

Cranking.....CONTINUE

IF ENGINE STARTS:

Throttle.....1700 RPM
Engine.....SHUTDOWN

IF ENGINE FAILS TO START:

Throttle.....FULL OPEN
Mixture.....IDLE CUT-OFF
Cranking.....CONTINUE
Fuel SelectorOFF
Fuel Pump.....OFF
Magnetos.....OFF
Master Switch.....OFF
Standby Battery Switch.....OFF
Fire Extinguisher.....USE

ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF
Fuel Selector.....OFF
Fuel Pump.....OFF
Standby Battery Switch.....OFF
Heat/Air (except wing root vents).....CLOSED
Master Switch.....OFF
Airspeed.....100 KIAS
(If needed, increase glide speed to find an airspeed which will provide an incombustible mixture.)
Forced Landing.....EXECUTE
SEE ENGINE FAIL IN FLIGHT: NO RESTART

ELECTRICAL FIRE IN FLIGHT

Standby Battery Switch.....OFF
Master Switch.....OFF
All Switches Except Ignition.....OFF
Vents, Heat/Air.....CLOSED
Fire Extinguisher.....ACTIVATE
Overhead Vents.....OPEN
If fire appears out and electrical power is necessary for continuation of flight to nearest suitable landing area:
Master Switch.....ON
Circuit Breakers.....CHECK, DO NOT RESET
Avionics Switch Bus 1.....ON
Avionics Switch Bus 2.....ON

ENGINE FAIL DURING TAKEOFF

Throttle.....IDLE
Brakes.....APPLY
Flaps.....UP
Mixture.....IDLE CUT-OFF
Magnetos.....OFF
Standby Battery Switch.....OFF
Master Switch.....OFF

ENGINE FAIL IMMEDIATELY AFTER TAKEOFF

Airspeed.....(flaps up) 75 KIAS
Mixture.....IDLE CUT-OFF
Fuel Selector.....OFF
Magnetos.....OFF
Flaps.....AS REQUIRED
Standby Battery Switch.....OFF
Master Switch.....OFF

ENGINE FAIL IN FLIGHT

Trim for Best Glide Airspeed.....75 KIAS
Pick Suitable Landing Site
Fly Toward Landing Site
Fuel Selector.....BOTH
Mixture.....RICH
Fuel Pump.....ON
Magnetos.....ON/BOTH

IF NO RESTART:

Declare Emergency.....SQUAWK 7700 (121.5)
Passenger Briefing.....COMPLETE
Seats/Seatbelts.....UPRIGHT/SECURE
Mix, Mags, Fuel Shutoff Valve.....OFF
Flaps.....AS REQUIRED
Standby Battery Switch.....OFF
Master Switch.....OFF
Sharp Objects.....STOW
Doors.....AJAR
Touchdown.....SLIGHTLY TAIL LOW
Brakes.....HEAVILY APPLY

Cessna 182T - G1000 Checklist

WING FIRE

All Lights.....OFF
Sideslip.....WING WITH FIRE UP
LandAS SOON AS POSSIBLE
Flaps.....ONLY AS REQUIRED FOR LANDING

LANDING WITH FLAT MAIN TIRE

Approach.....NORMAL
Flaps.....AS REQUIRED
Touchdown.....GOOD TIRE FIRST
Hold airplane off flat tire as long as possible
Directional Control.....MAINTAIN
Use brake on good wheel as required

Yellow = Highlighted items
committed to memory

AMMETER SHOWS EXCESSIVE RATE OF CHARGE

Primary Alternator.....OFF
 Non-Essential Electrical Equipment.....OFF
 Ammeter.....CHECK for normal indications
 Land.....AS SOON AS POSSIBLE

LOW VOLTAGE LIGHT ILLUMINATES IN FLIGHT

Avionics Switch Bus 1.....OFF
 Avionics Switch Bus 2.....OFF
 Alternator Circuit Breaker.....CHECK IN
 Master Switch.....OFF
 Master Switch.....ON
 Low Voltage Light.....CHECK OFF
 Avionics Switch Bus 1.....ON
 Avionics Switch Bus 2.....ON
 IF LOW VOLTAGE LIGHT ILLUMINATES AGAIN
 Primary Alternator.....OFF
 Non-Essential Electrical Equipment.....OFF
 Land.....AS SOON AS POSSIBLE

AIR DATA/ AHRS FAILURE

RED X ON PFD: AIRSPEED INDICATOR

ADC/AHRS Circuit Breakers.....CHECK IN
 If out, reset circuit breaker. If out again, do not reset.
 Standby Airspeed Indicator.....USE

RED X ON PFD: ALTIMETER

ADC/AHRS Circuit Breakers.....CHECK IN
 If out, reset circuit breaker. If out again, do not reset.
 Standby Altimeter.....USE

RED X ON PFD: ATTITUDE INDICATOR

ADC/AHRS Circuit Breakers.....CHECK IN
 If out, reset circuit breaker. If out again, do not reset.
 Standby Attitude Indicator.....USE

RED X ON PFD: HORIZONTAL SITUATION INDICATOR

ADC/AHRS Circuit Breakers.....CHECK IN
 If out, reset circuit breaker. If out again, do not reset.
 Magnetic Compass.....USE