

## Pre-Start

Preflight complete

Seats adjusted & locked

Seat belts on

Passenger Brief complete

Prop full forward

Main Bus A & B on

EFIS Battery on

EFIS Boot wait

## Starting Engine Cold

Throttle open ½”

Mixture full rich

Fuel Pump on (count to 10)

Mixture idle cut-off

Prop clear

Magneto on

Electronic Ignition on

Starter engage

Engine Start mixture full rich

## Starting Engine Hot

Throttle open ½”

Fuel Pump on

Mixture idle cut-off

Prop clear

Magneto on

Electronic Ignition on

Starter engage

Engine Start mixture full rich

## Starting Engine Flooded

Throttle full

Fuel Pump off

Mixture idle cut-off

Prop clear

Magneto on

Electronic Ignition on

Starter engage

Engine Start mixture full rich

## After Start

Engine RPM 1000

Fuel Pump off

Alternator on

Volts & Amps confirm

Oil Pressure +60

Mixture lean as required

Nav Lights on

EFIS set GPS source

GPS enter flight plan

Comm Frequency set to ATIS/ASOS

Fuel Quantity set

Oil Service Time check

## Before Takeoff

Flight Controls free & correct

Engine RPM 1800

Mag Check confirm 6 EGT

Electronic Ignition confirm 6 EGT

Engine Instruments green

Prop Exercise RPM drop

Engine RPM 1000

Altimiter set

Autopilot set

Horizon level

Magnetic Heading reasonable

Trim takeoff

Fuel Pump on

Strobes on

Mixture set

Prop forward

Comm Frequencies set

Doors closed & latched

Annunciators fuel pump & speed brake ok

## Pre-Landing (G.U.M.Ps)

Fuel Pump on

Gear down & cured

Mixture set

Prop 2700

Landing Light on

## Instrument Approach Setup (30+ miles out)

Get Destination Wx runway/approach

Altimeter set

Autopilot Source GNS 430W

Approach select & load IAF 

Brief the Approach

Transition IAF or Vectors

Inbound Course/Altitudes/Missed brief

Tower/Unicom Frequency set standby

VLOC Frequency set standby

## Initiate Full Approach

Approach activate 

Nav Mode GPS 

Autopilot Mode TRK

VLOC Frequency (ILS/LOC/VOR) set 

## Initiate Vectors to Final

Autopilot Mode CRS

Autopilot Course given vector

Approach activate vector-to-final 

GPS Navigation will **SUSP**end until aircraft is established on published leg.

## Cleared for the Approach

Navigation Active verify SUSP off

Nav Source set VLOC or GPS 

Autopilot Mode TRK

Needles active

Comm Frequency set

Landing Light on

GUMPS complete

Power Profile 2700-12-120

Runway Lighting activate

Re-Brief the Approach

Inbound Course/Altitudes/Missed brief

EFIS Missed Altitude set

## Missed Approach

Enable Waypoint  cancel **SUSP**

Engage Autopilot Climb encoder

Nav Mode  set GPS

## Approach Descent Power Profile:

RPM 2700

MAP 12 inches

Airspeed 120

## Engine Shutdown

Mixture idle cutoff

Overhead Switches off

Electrical Busses off

## V-Speeds

VNE 200 VSB  110

VNO 170 VS 67

VA 140

VX 110 Best power off glide

VY 110 speed 110

## Engine Power Loss in Flight

Fuel Pump on

Mixture rich

Engine Gauges check

## Power Off Landing

Locate suitable field

Establish spiral pattern 1000 ft. above field at downwind position for normal landing approach

When committed to landing:

Seat belt & harness tight

Ignition off

Main Bus A&B off

Fuel Shutoff off

Mixture idle cutoff

## Holding Pattern

**Inbound Leg**

Holding Waypoint selected and active

VLOC Frequency set

Nav Mode  VLOC or GPS

Select OBS Mode  OBS

EFIS OBS Heading set on HSI page

Autopilot TRK

**Crossing Waypoint**

180 Outbound or 3 seconds

Outbound time 1 minute

180 Inbound or 3 seconds

**Inbound Turn Established**

Autopilot TRK

Established Inboud time 1 minute

Go To Crossing Waypoint Step