

BEFORE STARTING

Preflight Flight ...COMPLETE
Passenger Briefing.....GIVE
Seatbelts FASTENED
Rudder Pedals...ADJUSTED
Cabin Doors...AS DESIRED
BrakesTESTED/HOLD
Circuit BreakersIN
Electrical Equip.....OFF
AVN Master Switch.....OFF
Fuel Valve.....ON

STARTING

Master Switch.....ON
Engine Indicating System....
 VERIFY NO RED X'S
VOLTS.....
 CHECK EIS ENGINE PAGE
AMPS.....Check (negative)
MixtureRICH
Prime..... AS NECESSARY
Carb Heat.....OFF
Throttle COLD...OPEN ¼ IN
Throttle WARM.....CLOSED
PropellerAREA CLEAR
Ignition Switch.....START
Throttle1000 RPM
Oil PressureGREEN ARC
Ammeter.....CHECK
Mixture.....LEAN
Strobe Light.....ON
AVN Master Switch.....ON

BEFORE TAXI

Flaps UP
Transponder 1200 & ALT
RadiosSET
ATIS/WxCHECK
Flight Inst.....SET

(NO RED X'S)

Flight controlsCHECK
AreaCLEAR
Contact Ground
BrakesRELEASE/TEST

TAXI

Flight Controls:
POSITION FOR WIND

BEFORE TAKEOFF

BrakesSET
Doors/Windows CLOSED

**CHECK 4 LATCHES
FLIGHT WITH
DOORS OPEN IS
PROHIBITED.
STRUCTURAL
DAMAGE WILL
OCCUR**

MixtureENRICHED
Throttle1700 RPM
MagnetosCHECK
(Max drop-150 RPM Max
diff- 50 RPM)
Engine Inst.....GREEN ARC
Ammeter/Volts..... CHECK
Carb HeatON/OFF
Annunciators..CHECK (OFF)
ThrottleIDLE
 Less than 900 rpm
Throttle.....1000 rpm
TrimTAKEOFF
RadiosSET
Fuel ValveON
Minimum Fuel Req'd.....OK

MixtureAS REQUIRED
SeatbeltsFASTENED
Emer. Response.....BRIEF
Contact Tower or
Announce departure
Approach PathCLEAR
Takeoff timeNOTE
Initial Heading.....NOTE
R.E.A.C.T
RPM, engine inst., airspeed,
centerline, take off point

NORMAL TAKEOFF

Flaps0 to 10
Mixture.....AS REQUIRED
ThrottleFULL
Engine Inst..... GREEN ARC
Rotate50 KIAS
Climb65 to 75 KIAS

CRUISE CLIMB

Airspeed.....75 KIAS
Mixture..... AS REQUIRED
Engine Inst..... GREEN ARC

CRUISE

Pitch.....LEVEL
AirspeedCRUISE
Power.....2450 RPM
Trim.....ADJUST
Mixture.....LEAN
Engine Inst..... GREEN ARC
Cross check
Pitch -- Power – Trim
Heading Indicator
Altimeter Setting
Flight planOPEN
Flight Following.... REQUEST

DESCENT

Fuel Valve.....ON
Mixture..... AS REQUIRED
Power AS REQUIRED
Carb Heat.... AS REQUIRED
Engine Inst.....GREEN ARC
Altimeter.....SET

Airport Environment
Preparation

BEFORE LANDING

Fuel Valve..... ON
Mixture AS REQUIRED
Carb Heat.....ON IF
VISIBLE MOISTURE AND IN
CAUTION RANGE
Seatbelts FASTENED
Lights AS REQUIRED
GUMPS

NORMAL LANDING

Airspeed60 KIAS
Flaps..... AS REQUIRED
Trim AS REQUIRED
BrakesMINIMUM

GO AROUND

ThrottleFULL
Carb Heat.....OFF
MixtureRICH
FlapsRETRACT TO 25°
Airspeed50 KIAS
ObstacleCLEAR
Airspeed 65 to 75 KIAS
FlapsRETRACT SLOWLY

*Cram It, Climb It, Clean It,
Call It*

AFTER LANDING

Taxi ...CLEAR OF RUNWAY
FlapsRETRACTED
Carb Heat OFF
LightsAS REQUIRED
MixtureLEAN
Contact ground or taxi to
ramp

SHUTDOWN

Transponder.....1200
TrimTAKEOFF
Hobbs/TachRECORD
S SwitchesOFF
L Lean toCUTOFF
I IgnitionOFF
M MasterOFF
Control LockINSTALL
Pitot CoverON
Tie downsSECURE
Chocks.. FRONT OF MAINS
Flight PlanCLOSE

**FLIGHT WITH
DOORS OPEN IS
PROHIBITED.
STRUCTURAL
DAMAGE WILL
OCCUR**

MISCELLANEOUS

V-SPEEDS

V_{so}.....37 KIAS
V_{s1}.....41 KIAS
V_x55 KIAS
V_y62 KIAS
V_g70 KIAS
V_{fe}.....70 KIAS
FLAPS 10°.....100 KIAS
FLAPS 25°.....85 KIAS
FLAPS FULL.....70 KIAS
V_a89-80 KIAS
V_{no}124 KIAS
V_{ne}148 KIAS

FREQUENCIES:

ATIS126.85
Ground128.70
Tower118.50
Center134.30
UNICOM.....122.95
Flight Service122.65
CFD123.00
RWV, LHB, 60R..... 122.90

EMERGENCY ENGINE FAILURES

TAKEOFF RUN

Throttle.....IDLE
BrakesAPPLY
Flaps RETRACT
MixtureCUTOFF
IgnitionOFF
Master.....OFF

CLIMB OUT

Airspeed.....70 KIAS
Fuel ValveOFF
Mixture..... CUTOFF
Throttle.....IDLE
Ignition.....OFF
FlapsAS REQUIRED
MasterOFF WHEN
LANDING ASSURED

IN-FLIGHT: RESTART

Airspeed70 KIAS
SELECT A FIELD: FLY TO IT
Fuel ValveON
MixtureRICH
Carb HeatON
Throttle.....IDLE
IGNITION:

Prop turningBOTH
Prop StoppedSTART

Transponder7700
Radio:121.5
MAYDAY

IN-FLIGHT: SECURE

Airspeed 70 KIAS
Fuel Valve OFF
Mixture CUTOFF
ThrottleIDLE
IgnitionOFF
Flaps AS REQUIRED
MasterOFF
DoorsOPEN
JUST BEFORE LANDING
Seatbelts..... FASTEN
Prep Passengers

ENGINE FIRE IN FLIGHT

MixtureCUTOFF
Fuel Valve.....OFF
Master Switch..... OFF
Vents/ Cabin Air/ Heat
CLOSED
Airspeed.....100 KIAS
or better to extinguish flames

PROCEED TO IN-FLIGHT
SECURE

ELECTRICAL FIRE

Master Switch.....OFF
Vents/Cabin/Heat/Air
CLOSED
LAND AS SOON AS
POSSIBLE