

BEFORE START

- 1) Passenger Briefing.....Complete
- 2) Seats, Belts, & Doors.....Locked
- 3) Brakes.....Test & Set
- 4) Circuit Breakers.....All In
- 5) Electrical Equipment.....Off
- 6) Beacon.....On
- 7) Fuel Selector Valve.....Both
- 8) Fuel Shutoff Valve.....On

ENGINE START

- 1) Throttle.....Open ¼ inch
- 2) Mixture.....Idle Cut-Off
- 3) Propeller Area.....Clear
- 4) Master Switch.....On
- 5) Priming (Omit if engine is warm)

Aux Pump.....	On
Mixture.....	Rich (3-5 sec.)
Mixture.....	Idle Cut-Off
Aux Pump.....	Off

- 6) Ignition Switch.....Start
Mixture.....Full Rich
- 7) Engine Oil Pressure.....Check
- 8) Throttle.....1000 RPM
- 9) Mixture.....Lean
- 10) Avionics Master Switch.....On
- 11) Flaps.....Up
- 12) Lights.....As Required
- 13) Avionics/ATIS.....Set & Check
- 14) Flight Instrument.....Set

ENGINE RUN UP

- 1) Brakes.....Set
- 2) Avionics.....Set
- 3) Flight Instruments.....Check
- 4) Flight Controls.....Free & Correct
- 5) Autopilot.....Test
- 6) Electric Trim.....Test
- 7) Elevator Trim.....Set for Takeoff
- 8) Mixture.....Full Rich
- 9) Throttle.....1800 RPM
- 10) Magnetos.....150/50
- 11) Oil Pressure & Temperature.....Check
- 12) Ammeter.....Check
- 13) Suction (Vacuum).....Check
- 14) Throttle.....Idle (575-625)
- 15) Throttle.....1000 RPM
- 16) Mixture.....Lean
- 17) Departure Briefing.....Complete
- 18) Brakes.....Release

BEFORE TAKEOFF

- 1) Lights.....As Required
- 2) Transponder.....Altitude
- 3) Mixture.....As Required
- 4) Autopilot.....Off
- 5) Flaps.....0-10°

CLIMB

- 1) Airspeed.....70-85 KIAS
- 2) Throttle.....Full Open
- 3) Mixture.....Rich (Lean above 3,000)

CRUISE

- 1) Cruise Power.....Set
- 2) Elevator Trim.....Adjust
- 3) Mixture.....Lean

DESCENT

- 1) Mixture.....Adjust
- 2) Fuel Selector.....Both
- 3) Lights.....As Required

BEFORE LANDING

- 1) Seats/Belts.....Set/Secured
- 2) Fuel Selector.....Both
- 3) Mixture.....As Required
- 4) Lights.....As Required
- 5) Autopilot.....Off

AFTER LANDING

- 1) Throttle.....1000 RPM
- 2) Mixture.....Lean
- 3) Flaps.....Up
- 4) Transponder.....Standby
- 5) Lights.....As Required
- 6) Trim.....Set for Takeoff

ENGINE SHUTDOWN

- 1) Brakes.....Set
- 2) Avionics Master.....Off
- 3) Electrical Equipment.....Off
- 4) Magnetos.....Check for Grounding
- 5) Mixture.....Idle Cut-Off
- 6) Ignition Switch.....Off/Keys Out
- 7) Master Switch.....Off
- 8) Control Wheel.....Install
- 9) Fuel Selector.....Left or Right
- 10) Flight Plan.....Closed



ENGINE FAILURES

DURING TAKEOFF ROLL

Throttle.....IDLE
 Brakes.....APPLY
 Flaps.....RETRACT
 Mixture.....IDLE CUT-OFF
 Ignition Switch.....OFF
 Master Switch.....OFF

IMMEDIATELY AFTER TAKEOFF

Airspeed.....70/65 (Flaps down)
 Mixture.....IDLE CUT-OFF
 Fuel Shutoff Valve.....OFF
 Ignition Switch.....OFF
 Flaps.....AS REQUIRED
 Master Switch.....OFF
 Cabin Door.....UNLATCH
 Land.....STRAIGHT AHEAD

IN FLIGHT

Airspeed.....68 KIAS
 Fuel Shutoff Valve.....ON
 Fuel Selector.....BOTH
 Mixture.....RICH
 Auxiliary Fuel Pump.....ON
 Ignition Switch.....START/BOTH
 Auxiliary Fuel Pump.....OFF
 'Power Off Landing'.....EXECUTE

FIRES

ENGINE FIRE DURING START

Ignition.....CONTINUE CRANKING

IF ENGINE STARTS:

Power.....1800 RPM for 3 min
 Engine.....SHUTDOWN

ENGINE FIRE DURING START CONT'D

Throttle.....FULL OPEN
 Mixture.....IDLE CUT-OFF
 Starter.....CONTINUE CRANKING
 Fuel Shutoff Valve.....OFF
 Auxiliary Fuel Pump.....OFF
 Fire Extinguisher.....ACTIVATE
 Engine.....SECURE
 -Master Switch OFF
 -Ignition Switch OFF

Parking Brake.....RELEASE
 Airplane.....EVACUATE
 Fire.....EXTINGUISH
 Fire Damage.....INSPECT

ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF
 Fuel Shutoff Valve.....OFF
 Auxiliary Fuel Pump.....OFF
 Master Switch.....OFF
 Cabin Heat and Air.....OFF
 Airspeed.....100 KIAS
 'Power Off Landing'.....EXECUTE

ELECTRICAL FIRE IN FLIGHT

Master Switch.....OFF
 Vents/Cabin Air/Heat.....OFF
 Fire Extinguisher.....ACTIVATE
 Avionics Master Switch.....OFF
 Electrical Equipment.....OFF

AFTER FIRE IS EXTINGUISHED:

Vents/Cabin Air/Heat.....OPEN
 Master Switch.....ON
 Circ. Breakers.....DO NOT RESET
 Radio Switches.....OFF
 Avionics Master.....ON
 Radio Switches.....On [one at a time]

CABIN FIRE

Master Switch.....OFF
 Vents/Cabin Air/Heat.....CLOSED
 Fire Extinguisher.....ACTIVATE

AFTER FIRE IS EXTINGUISHED:

Vents/Cabin Air/Heat.....OPEN

LAND AS SOON AS POSSIBLE

WING FIRE

Landing & Taxi Lights.....OFF
 Nav & Strobe Lights.....OFF
 Pitot Heat.....OFF
 Perform SIDESLIP
 -AWAY FROM FUEL TANK AND CABIN
 LAND AS SOON AS POSSIBLE

POWER OFF LANDING

Passenger Seat Backs.....UPRIGHT
 Seats + Seatbelts.....SECURE
 Airspeed.....70/65 (Flaps Down)
 Mixture.....IDLE CUT-OFF
 Fuel Shutoff Valve.....OFF
 Ignition Switch.....OFF
 Flaps.....AS REQUIRED
 Master Switch.....OFF
 Doors.....UNLATCH
 Touchdown.....SLIGHTY TAIL LOW
 Brakes.....APPLY HEAVILY

**Refer to the POH for any
 other emergency procedures**

