

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) ACL.....On
- 7) Fuel Valve.....Open

ENGINE START

- 1) Throttle.....Idle
- 2) Choke.....Pull out/Cold
- 3) Propeller Area.....Clear
- 4) Master Switch.....On
- 5) Fuel Pump.....On
- 6) Fuel Pump.....OFF
- 7) Ignition Switch.....Start
Choke.....Forward
- 8) Engine Oil Pressure.....Check
- 9) Throttle.....2000 RPM
- 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) Elevator Trim.....Set for Takeoff
- 6) Oil Temp.....120F
- 7) Throttle.....4000 RPM
- 8) Magnetos.....300/120
- 9) Carb Heat.....Slight Drop
- 10) Oil Pressure & Temperature.....Check
- 11) Throttle.....Idle (Smooth)
- 12) Throttle.....2000 RPM
- 13) Departure Briefing.....Complete
- 14) Brakes.....Release

BEFORE TAKEOFF

- 1) Oil Temp.....120F
- 2) Lights.....As Required
- 3) Transponder.....Altitude
- 4) Oil Cooler Lid.....Retracted
- 5) Flaps.....0-15°

CLIMB

- 1) Airspeed.....63-76 MPH
- 2) Throttle.....Full Open
- 3) Oil Cooler Lid.....Retracted

CRUISE

- 1) Cruise Power.....Set
- 2) Elevator Trim.....Adjust

DESCENT

- 1) Carb Heat.....Adjust
- 2) Fuel Pump.....On
- 3) Lights.....As Required

BEFORE LANDING

- 1) Seats/Belts.....Set/Secured
- 2) Fuel Pump.....On
- 3) Carb Heat.....On
- 4) Lights.....As Required

AFTER LANDING

- 1) Throttle.....2500 RPM
- 2) Carb Heat.....Off
- 3) Fuel Pump.....Off
- 4) Flaps.....Up
- 5) Transponder.....Standby
- 6) Lights.....As Required
- 7) Trim.....Set for Takeoff

ENGINE SHUTDOWN

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



ENGINE FAILURES

DURING TAKEOFF ROLL

Throttle.....IDLE
Brakes.....APPLY
Flaps.....RETRACT
Ignition Switch.....OFF
Master Switch.....OFF

IMMEDIATELY AFTER TAKEOFF

Airspeed.....60 MPH (Flaps 15)
Fuel Shutoff Valve.....OFF
Ignition Switch.....OFF
Flaps.....AS REQUIRED
Master Switch.....OFF
Cabin Door.....UNLATCH
Land.....STRAIGHT AHEAD

IN FLIGHT

Airspeed.....60 MPH
Fuel Shutoff Valve.....ON
Fuel Level.....Check
Auxiliary Fuel Pump.....ON
Ignition Switch.....START/BOTH
Auxiliary Fuel Pump.....OFF
'Power Off Landing'.....EXECUTE

FIRES

ENGINE FIRE DURING START

Throttle.....FULL OPEN
Starter.....CONTINUE CRANKING
Fuel Shutoff Valve.....OFF
Auxiliary Fuel Pump.....OFF
Starter.....CONTINUE CRANKING
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

Fuel Shutoff Valve.....OFF
Auxiliary Fuel Pump.....OFF
Master Switch.....OFF
Cabin Heat and Air.....OFF
'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
Perform SIDESLIP
-AWAY CABIN
LAND AS SOON AS POSSIBLE

POWER OFF LANDING

Seats + Seatbelts.....SECURE
Airspeed.....70/65 (Flaps Down)
Fuel Shutoff Valve.....OFF
Ignition Switch.....OFF
Flaps.....AS REQUIRED
Master Switch.....OFF
Doors.....UNLATCH
Touchdown.....SLIGHTLY TAIL LOW
Brakes.....APPLY HEAVILY

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

