

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 Shutoff Valve.....On

ENGINE START

- 1) Mixture.....Full Rich
- 2) Throttle.....Open ¼ Inch
- 3) Carb Heat.....Off
- 4) Prime.....As Required
- 5) Propeller Area.....Clear
- 6) Master Switch.....On
- 7) Ignition Switch.....Start
- 8) Throttle.....1000 RPM
- 9) Engine Oil Pressure.....Check
- 10) Mixture.....Lean
- 11) Avionics Master Switch.....On
- 12) Flaps.....Up
- 13) Lights.....As Required
- 14) Avionics/ATIS.....Set & Check
- 15) Flight Instruments.....Set

ENGINE RUN UP

- 1) Brakes.....Set
- 2) Throttle.....1000 RPM
- 3) Flight Instruments.....Check
- 4) Flight Controls.....Free & Correct
- 5) Elevator Trim.....Set for Takeoff
- 6) Fuel Quantity.....Check
- 7) Mixture.....Full Rich
- 8) Throttle.....1700 RPM
- 9) Magnetos.....125/50
- 10) Carb. Heat.....Check
- 11) Oil Pressure & Temperature.....Check
- 12) Ammeter.....Check
- 13) Suction (Vacuum).....Check
- 14) Throttle.....Idle (575-625 rpm)
- 15) Carb. Heat.....Check
- 16) Throttle.....1000 RPM
- 17) Throttle Friction Lock.....Adjust
- 18) Mixture.....Lean
- 19) Departure Briefing.....Complete
- 20) Brakes.....Release

BEFORE TAKEOFF

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

CLIMB

- 1) Airspeed.....70-80 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) Power.....As Desired
- 3) Carb. Heat.....Full Heat As Required

BEFORE LANDING

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

AFTER LANDING

- 1) Carb Heat.....Off (cold)
- 2) Throttle.....1000 RPM
- 3) Mixture.....Lean
- 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) Mixture.....Idle Cut-Off
- 6) Ignition Switch.....Off/Keys Out
- 7) Master Switch.....Off
- 8) Control Wheel.....Install
- 9) 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.....60 KIAS
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.....60 KIAS
Carb. Heat.....ON
Primer.....In & Locked
Fuel Shutoff Valve.....ON
Mixture.....RICH
Ignition Switch.....START/BOTH
'Power Off Landing'.....EXECUTE

FIRES

ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF
Fuel Shutoff Valve.....OFF
Cabin Heat & Air.....OFF
Master Switch.....OFF
Airspeed.....85 KIAS
'Power Off Landing'.....EXECUTE

ENGINE FIRE DURING START

Ignition.....CONTINUE CRANKING

IF ENGINE STARTS:

Power.....1700 RPM for 3 min
Engine.....SHUTDOWN

Ignition.....CONTINUE CRANKING
Fire Extinguisher.....OBTAIN
Engine.....SECURE

-Master OFF
-Ignition OFF
-Fuel Shutoff Valve OFF

Airplane.....EVACUATE
Fire.....EXTINGUISH
Fire Damage.....INSPECT

ELECTRICAL FIRE IN FLIGHT

Master Switch.....OFF
All other switches (except ignition).....OFF
Vents/Cabin Air/Heat.....OFF
Fire Extinguisher.....ACTIVATE
Avionics Master Switch.....OFF

AFTER FIRE IS EXTINGUISHED:

Master Switch.....ON
Circ. Breakers.....DO NOT RESET
Avionics Master.....ON
Radio Switches...ON (one at a time)
Vents/Cabin Air/Heat.....OPEN

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

Seats + Seatbelts.....SECURE
Airspeed.....65/60 (Flaps Down)
Mixture.....IDLE CUT-OFF
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**

