

FIRE IN FLIGHT
Emergency Procedures

Checklist

PH-GYS

Engine Fire in Flight

Mixture.....IDLE CUT OFF
 Fuel Selector.....OFF
 Master Switch.....OFF
 Cabin Heat and Air.....OFF
 (except overhead vents)
 Indicated Airspeed.....100 kts
If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture.
 Forced Landing.....EXECUTE
 (Emergency Landing without engine power)

Electrical Fire in Flight

Master Switch.....OFF
 Avionics Power Switch.....OFF
In flight G5 backup attitude indicator will continue to operate on internal battery and provide attitude / altitude / airspeed / GPS-derived magnetic ground track information.
 Vents/Cabin Air/Heat.....CLOSED
 Fire Extinguisher.....OPERATE
 and ventilate the cabin

If fire appears out and electrical power is necessary for continuance of flight:

Master Switch.....ON
 Circuit breakers.....CHECK
 for faulty circuit, do not reset

Avionics Circuit Breakers.....PULL
 Avionics Power Switch.....ON

Avionics Circuit Breakers.....RESET
 one at a time, with delay after each until short circuit is localized

Vents/Cabin Air/Heat.....OPEN
 when it is ascertained that fire is completely extinguished

Before Starting Engine

Outside Inspection.....COMPLETED
 Towbar.....STOWED
 Ship's Papers.....ON BOARD & CHECKED
 Parking Brake.....SET
 Seats.....ADJUSTED AND SECURED
 Safety Belts.....FASTENED
 Doors.....CLOSED AND LOCKED
 Fuel Selector..... BOTH
 Avionics Power Switch.....OFF
 Circuit Breakers.....IN
 Master Switch..... ON
 G3X.....ALIGNED
 and acknowledge database
 Fuel Quantity.....CHECKED
 Fuel Remaining (Fuel Calculator Tab).....SET
 Hobbs Meter.....NOTED

IF ATIS or ATC/Start-up Clearance required:

Avionics Power Switch.....ON
 ATIS.....OBTAIN
 ATC/Start-up Clearance.....OBTAIN
 Avionics Power Switch.....OFF

Starting Engine

Beacon light.....ON
 Carburetor Heat.....COLD
 Mixture.....RICH
 Cabin Heat.....OFF
 G3X.....SELECT ENGINE PAGE
 Primer.....AS REQUIRED
 2-6 strokes (none if engine is warm)
 Throttle.....OPEN 0,5 CM
 Propeller Area.....CLEAR
 Ignition Switch.....START

After Starting Engine

Throttle.....1000 RPM
 Starter Warning Light.....OUT
 Oil Pressure.....IN GREEN <30 SEC
 Batt Amps.....CHECK
 Flaps.....UP
 Avionics Power switch.....ON
 Instruments and Avionics.....SET
 and acknowledge databases
 Time (Block).....NOTED

**DO NOT REMOVE
CHECKLIST FROM AIRCRAFT**

During Taxi

Taxi/Nav Lights.....ON
Brakes.....CHECK
Attitude and Heading.....CHECK

Engine Run Up

Parking Brake.....SET
Mixture.....RICH
Carburetor Heat.....COLD
G3X.....SELECT ENGINE PAGE
Outside.....CLEAR
Throttle.....1700 RPM
Engine Instruments.....IN GREEN
Batt Amps.....CHECK
Magnetos.....CHECK
max drop 125 rpm, max diff 50 rpm
Carburetor Heat.....CHECK
Idling.....500 – 700 RPM
Throttle.....1000 RPM
Throttle Friction.....SET

Before Take-Off

Flight Controls.....FREE AND CORRECT
Fuel Selector.....BOTH
Trim.....SET FOR TAKE-OFF
Flaps.....AS REQUIRED
Mixture.....RICH
>3000ft MSL, LEAN to obtain max RPM
Carburetor Heat.....COLD
Ignition.....BOTH
Primer Pump.....CLOSED AND LOCKED
Instruments and Avionics.....SET
Safety Belts.....FASTENED
Doors and Windows.....CLOSED AND LOCKED
Parking Brake.....OFF

Before Line-up:

Pitot Heat.....AS REQUIRED
Landing/Nav/Strobe Lights.....ON
Transponder.....ALT
(automatic when airborne)

Normal Take-Off

Throttle.....FULL
Lift Nose.....55 KTS
Climb Speed.....70 KTS

After Take-Off

Brakes.....APPLY
Flaps >200 FT AGL.....UP
Throttle.....FULL
Climb Speed.....70 KTS

Cruise

Throttle.....+/- 2300 RPM
Carburetor Heat.....AS REQUIRED

Before Descent

Altimeter.....SET
Mixture.....RICH
Carburetor Heat.....AS REQUIRED
Fuel selector.....BOTH

Downwind Checks

Fuel Quantity.....CHECKED
Carburetor Heat.....ON
Mixture.....RICH
Throttle.....+/-2000 RPM
Flaps.....10°
Speed.....80 KTS

Brakes.....CHECKED
Fuel selector.....BOTH
Seatbelts.....FASTENED

Base Leg Checks

Throttle.....+/-1500 RPM
Flaps.....20°
Speed.....70 KTS

Final Checks

Throttle.....+/-1500 RPM
Flaps.....30°
Speed.....60 KTS

Touch And Go

Flaps.....AS REQUIRED
Throttle.....FULL
Carburetor Heat.....COLD

After Landing

Flaps.....UP
Pitot Heat.....OFF
Landing/Taxi/Nav/Strobe Lights.....AS REQUIRED
Transponder.....STBY
(automatic after landing)

Go Around

Throttle.....FULL
Carburetor Heat.....COLD
Flaps.....20°
after reaching 65 kts 10°
>200 ft AGL flaps UP

After Parking

Parking Brake.....SET
Throttle.....1000 RPM
Avionics Master Switch.....OFF
Mixture.....IDLE CUT OFF
Ignition Switch.....OFF
Master Switch.....OFF
Time (Block) and Hobbs Meter.....NOTED