



ENGINE FAIL-TAKEOFF RUN

Power	Idle
Brakes	Apply as needed
Lanes	Off
Electricals & Master	Off
Fuel Valve & Fuel Pumps	Off

ENGINE FAIL - AFTER T/O

Airspeed	72 KIAS
Landing Area	
<i>< 700 ft : Don't turn > 45° off heading > 700 ft : Consider return to RWY</i>	
Flaps	As Needed
Throttle	As Needed

After Touchdown- Secure

Fuel Selector & Fuel Pumps	Off
Lanes & Master	Off

ENGINE ISSUES in FLT

TroubleShoot	
Check Throttle Position- 72 KIAS	
Check Engine & Fuel Gauges	
Switch Fuel Valve to Fuller Tank	
Fuel Pump	Both On
Lanes	Check & Reset if necessary
Land	ASAP

ENGINE RESTART IN FLT

Fuel Pumps	On
Fuel Selector	Ensure On
Throttle	Set to Middle Position
Master & Electrical Switches	On
Lanes A & B	On
Starter	Engage

If no Restart retry w/ECU backup on, Still no restart- Land ASAP

FIRE PROCEDURES

If in Flt, pitch for 120 kts, find emergency landing area	
Heating	Close
Fuel selector	Close
Throttle	Full Power
Lanes and Fuel Pumps - Off after engines stops	

Land ASAP, Stop & Egress Extinguish Fire or call Fire Dept

EMERGENCY OFF-FIELD LAND

Proper Speed & Trim	-72 kts
Head for Field & Determine Wind	
Safety Harness	Tighten
Engine Restart	If time permits
Flap	As needed

Communicate Out

Flt Facility or 121.5, ID, EMG., WX intent & Rqests, Pos, Head & Alt, Fuel, SOB, ELT, Sqk 7700

Communicate In

Egrss Proceeds, Cell & Radio use, ELT, Hammer, Fire Ext, Chute for Shelter, Direction & Distance to help

If No Engine Restart:

Fuel Selector & Pump	Off
Lanes	Off
Master & Electrical Switches	Off

Spin Recovery

Power	Idle
Ailerons	Neutral
Rudder	Full Opposite
Elevator	Break Stall then Recover



Sling 2 912iS Checklist

Pre-Flight

Cockpit		Cowling	
Lanes	Off	Cowling	Check & Secure
Master/EFIS BKUP	On	Prop & Spinner	Check & Secure
EFIS 1	On	Nose Gear	Tire Pressure & Rods
Flaps	Fully Extend	Wheel Pant	Secure & Suspension Test
Fuel	Check Quantity	Chock	Removed
Hobbs Time	Record	Gas Collector	Check
EFIS 1/EFIS BKUP	Off	Air Intakes	Check
All Lights	On / Check	Oil Cooler	Check & Clear
Control	Check	Radiator	Check & Clear
Canopy	Clean	Engine Oil	Check Proper Level
Master	Off	Coolant	Above Min.
Fire Extinguisher	On board	Brake Fluid	Check Proper Level
A.R.O.W	On board	Cabin Heat & Exhaust	No Crack

Fuselage / Empennage

Right /Left Static Port	Clear
Fairing	Secure
Vertical Stabilizer	Secure
Horizontal Stabilizer	Secure
Elevator	Hinges, Bolts, Move Freely
Rudder	Cables, Hinges, Bolts
Tie Down	Removed

Right Wing

Fairing	Check & Secure
Fuel	Drain & Check
Fuel Cap	Remove, Visually Check Level
Fuel Vent	Check
Leading edge	Undamaged
Wing Tip & Light	Secure
Aileron	Hinges, Bolts, Rods, Move Freely
Flaps	Hinges, Bolts, Rods
Main Gear	Tire Pressure & Brake System
Tie Down	Removed

Left Wing

Main Gear	Tire Pressure & Brake System
Wheel Pant	Secure & Suspension Test
Flaps	Hinges, Bolts, Rods
Aileron	Hinges, Bolts, Rods, Move Freely
Wing Tip & Light	Secure
Leading edge	Undamaged
Tie Down	Removed
Fuel Vent	Check
PitotTube & AOA Sensor	Clear & Secure
Fuel Cap	Remove, Visually Check Level
Fuel	Drain & Check

Seatbelts & Harness
Air Vent Locations
Flight Control Exchange x 3
Exit Door
Traffic Scan / Sterile Cockpit
Your Questions?

	Min.	Normal	Max.
Oil Temp.	120°F	190-230°F	265°F
Oil Press.	15 psi	30-75 psi	100 psi
CHT	N/A	165-230°F	275°F
ENGINE START		RUN-UP	
Key	In Ignition	Face into wind	If possible
Master	On	Brakes	Set & Hold
Lane A Switch	On	Controls	Box Check
Lane B Switch	On	Fuel Selector	High Tank
Main Fuel Pump	On	Engine	3,000 then 4,000 rpm
EFIS BKUP	On	Lane A Off	0 / 180 rpm
EFIS 1	On	Lane A On	Wait for light off
Flaps	Take off Position (1)	Lane B Off	0 / 180 rpm
Strobe	On	Lane B On	Wait for light off
Fuel Selector	Low Tank	Fuel Pumps	Check
Brakes	Hold & Lock	(5 Secs Off each - Check Fuel Pressure Stable)	
Throttle Lever	Cracked Slightly	Amps	Charging (0) or (+)
Trim	Neutral	Throttle	Idle
ECU BATT BKUP	On (5 Sec. to prime)	Throttle	2,500 rpm
-Check Lane lights extinguish-		Breakers	Check
ECU BATT BKUP	Off	Engine Instrument	Check all green
Prop Area	Clear	Altimeter	Verify
Engine	Engage	Flight Instrument	Check & Verify
Oil Pressure	Check	Navigation	Set GPS
Lane Lights	Off within 5 Sec.	Emergency Briefing	Complete
BEFORE TAKEOFF			
EFIS2	On	Transponder	Set
Avionics Switch	On	Trim	Set
AutoPilot	On	Fuel Pumps	Both On
Throttle Lever	2,500 rpm	Flaps	Takeoff Position (1)
BEFORE TAXI			
ATIS/AWOS	Copy	Seatbelts	Check
Altimeter/G650	Set	Canopy	Close & Lock
Transponder	Set	Tower	Monitor
Radio (PTT)	Test	Sectional Chart	Set
Taxi Light	On	Landing Light	On
Seatbelts	Check	Altitude	Set
Taxi Diagram	Set	Stopwatch	Set
Brakes	Test		

Vr - 45 kts (Recommend 55 kts)	Vfe - 85 kts	Va - 91 kts	Best Glide - 72 kts
Vso - 40 kts	Vx - 65 kts	Vno - 110 kts	Max. X-Wind - 15 kts
Vs1 - 45 kts	Vy - 72 kts	Vne - 135 kts	Service Ceiling - 12,000 ft
CLIMB		CLEAR OF RUNWAY	
Flaps	Up	Transponder	Set
Power	Max Cont. 5500 RPM	Aux Fuel Pump	Off
Climb Speed	72 kts	Landing Light	Off
Cruise Climb	75-90 kts	Taxi Light	On
Instrument & Heading	Check	Flaps	Up
		Taxi Diagram	Set
CRUISE		Contact Ground	
Power	5000 or less (Max Cont. 5500RPM)	SHUTDOWN	
Instruments	Check	Engine	Idle
Aux Fuel Pump	OFF	Brake	Set
Lights	As Required	Lights	All Off Except Strobe
Fuel Selector	Switch Every Hour	Autopilot	Off
(Aux Pump On During Switch)		Avionics	Off
DESCENT		EFIS 2	Off
ATIS / AWOS	Copy	Lane B Switch	Off
Altimeter	Set	Lane A Switch	Off
Aux Fuel Pump	On	Master	Off
Fuel Selector	Fullest Tank	Key	Remove
Lights	As Required	Fuel Pumps	Both Off
Seatbelts	Check	Hobbs Time	Record
Approach Brief	Complete	EFIS 1	Off
BEFORE LANDING		EFIS BKUP	Off
Engine Instrument	Check		
Fuel Quantity	Check		
Aux Fuel Pump	Verify On		
Clearance	Received		
SQUAWK CODES		KHWO Frequencies	
VFR-1200		ATIS	135.475
Lost Comm-7600		GROUND	120.45
Emergency-7700		TOWER	132.1
HiJack-7500		TOWER	134.3