

Lancair 200-300 Emergency Procedure

Fire

(Use Fire Bottle behind Seats to fight Fire if possible)

During Start

Emergency Shutdown

Mixture Cut - Off

Fuel Selector – Off

Crank Engine – < 30 Sec

Master Switch – Off

Abandon Airplane

On Ground (Taxi or Take Off)

Throttle – Idle

Brakes – As Required

Emergency Shutdown

Master Switch – Off

Abandon Airplane

Airborne

Determine Fire Source

Engine – Emergency Shutdown

Fire Continues – Emergency Descent

Intercept Emergency Landing Profile

After Landing Abandon Airplane

Electrical – Master SW – Off

Fire Continues – Emergency Descent

Land As Soon As Possible

If IMC – Essential Items - Selectively On

Fuselage – Emergency Descent

Land As Soon As Possible

Consider Opening Canopy to Clear Smoke

Engine Restart (Airborne)

Fuel

Mixture Rich

Select Header Tank

Elect. Boost Pump – On

Carb Heat - On

Ignition – Both

Prop – Full Increase

Throttle – Slightly Open

Increase when Engine Fires

Land As Soon As Practicable

Low Oil Press/High Oil Temp

Reduce Power

Land As Soon As Possible

(Bold Face Are Memory Items)

Prop Governor Failure

Throttle – Reduce to Control RPM

Land As Soon As Practicable

Emergency Landing (Engine Failure)

Zoom to Convert Airspeed to Altitude

Select suitable landing site and turn toward

Use GPS “NRST” Button to find airport

Establish 100 KIAS Glide

Prop Full Decrease

(Approx. 1.7 nmi per 1000 ft descent)

No fire - Attempt Engine Restart

Intercept Emergency Landing Pattern

Emergency Landing Pattern

High Key – 2000 Ft AGL (Aligned with Runway)

Low Key – 1300 Ft AGL (Abeam Landing Spot)

Landing Gear – Down (Hard Surface)

Landing Gear – Up (Water, Trees, Field)

Flaps – Down (7 – 15 Deg)

Intercept Final Approach – 600 Ft AGL

Flaps – Down (As necessary for drag)

Prop – Increase RPM (As necessary for drag)

85 KIAS, Increase Airspeed for drag

Master Sw. - Off

Plan to Land 1/3 down Runway

Brakes – As Required

After Landing Abandon Airplane

Emergency Descent

Accelerate to 235 KIAS (VNE)

Throttle – Idle

Prop – Full Increase

Landing Gear – Consider Lowering

Level Off at a Safe Altitude

Emergency Landing Gear Extension

Perform Placard Items

Flap Asymmetry

Return Flap Switch to Original Setting

Brake Failure

Land on side of Runway of Failed Brake

Use Rudder for directional Control

Go Around if Drift is Uncontrollable

Gently Use Good Brake Until Slow

Perform Emergency Shutdown

Ground Loop Airplane if necessary to Stop