

C-172M CHECKLIST FOR ABNORMAL AND EMERGENCY PROCEDURES

Ref C-172M POH & Ref CAR 602.60(3)

Compiled by D.Lye for the DHESC Flying Section

ENGINE FAILURE SOON AFTER TAKEOFF

- 1) Lower the nose; 75 mph flaps up; 70 mph flap down
- 2) Find a place to land, and best flightpath to get there
- 3) SHUTDOWN : Mixture Lean, Fuel Off, Mags Off
Radio Call, ELT On, Transponder 7700 (Depending on circumstances)
- 4) On Final : 70 mph & Flaps 40° (recommended)
Master Off, Unlatch Doors

ENGINE FAILURE AT ALTITUDE & FORCED LANDING

- 1) Carb Heat On, Fuel On, Trim for 75 mph flaps up; 70 mph flap down
- 2) Find a field, then find key point(s), key height & route
- 3) Mixture Rich, Carb Ht On, Fuel Both, Primer Locked, Mags Both
If no re-start - SHUTDOWN - Mixture Lean, Fuel Off, Mags Off
ELT On MAYDAY 121.5 Transponder 7700 Brief Pax
- 4) On Final : 70 mph & Flaps 40° (recommended)
Master Off, Unlatch Doors
Touchdown tail slightly low, then Brakes On

PRECAUTIONARY LANDING

- 1) Low-Level Inspection : Flaps 20° and 70 mph
- 2) Radio call, Brief Pax ; Radio & Electrics Off
- 3) On Final : 70 mph & Flaps 40° (recommended)
Master Off, Unlatch Doors
Touchdown tail slightly low, then Mags Off & Brakes On

ABNORMAL CONDITIONS

Overvoltage Light On	Turn Master Off then On. If light comes On again, conserve battery and land as soon as practicable
Nav Light Circuit Breaker Open	Switch Nav Lights OFF and reset C/B, to provide power to the radio transmit relay (if applicable)

ENGINE INTAKE FIRE DURING START ON GROUND

- 1) Continue cranking
- 2) If engine starts, 1700 rpm for a few mins, then shut down to inspect
If no start, continue cranking 2-3 mins with throttle wide open
- 3) When ready to extinguish - stop cranking,
SHUTDOWN - Mixture Lean, Fuel Off, Mags Off ; Master Off
- 4) Use fire extinguisher
- 5) Do not fly until after a thorough inspection

ENGINE FIRE IN FLIGHT

- 1) SHUTDOWN - Mixture Lean, Fuel Off, Mags Off ; Master Off
- 2) Cabin Heat & Cabin Air Off (not applicable to overhead vents)
- 3) Dive to 120 mph or more, & sideslip as reqd, to try to kill the fire
- 4) Follow checks for Forced Landing (as appropriate)

ELECTRICAL FIRE IN FLIGHT

- 1) Master Off, and all radio/electrical switches Off
- 2) Cabin Heat & Cabin Air Off, and overhead vents closed
- 3) Use Fire Extinguisher (if required)
- 4) If fire is out and some electrics are needed, turn Master On
- 5) Check for open circuit breakers, do not reset
- 6) Switch on only what is essential, one at a time
- 7) Cabin Heat & Cabin Air & overhead vents - as required