

**C-152 EMERGENCY CHECKLIST**

Original: Issued February 28, 2011  
FOR INSTRUCTIONAL USE ONLY

**V/R ENGINE FAILURE  
(BELOW V<sub>R</sub>)**

Throttle IDLE  
Brakes AS REQUIRED  
Flaps RETRACT

Mixture IDLE CUT OFF  
Ignition Switch OFF  
Battery Master Switch OFF  
Checklist COMPLETE

**V/R ENGINE FAILURE ON TAKEOFF  
(ABOVE V<sub>R</sub>)**

Airspeed 60 KIAS  
Mixture IDLE CUT OFF  
Fuel Shutoff Valve OFF  
Ignition Switch OFF  
Flaps AS REQUIRED  
Battery Master Switch OFF  
Checklist COMPLETE

**V/R ENGINE FAILURE IN FLIGHT**

Airspeed 60 KIAS  
Fuel Shutoff Valve ON  
Mixture RICH  
Carburetor Heat ON  
Ignition Switch BOTH  
Primer IN & LOCKED  
Ignition Switch (if propeller stopped) START  
Engine Gauges CHECKED  
Checklist COMPLETE

**V/R POWER OFF LANDING**

Airspeed (flaps up) 65 KIAS  
Airspeed (flaps down) 60 KIAS  
Fuel Shutoff Valve OFF  
Flaps (30° recommended) AS REQUIRED  
Mixture IDLE CUT OFF  
Ignition Switch OFF  
Battery Master Switch OFF  
Doors (prior to touchdown) UNLATCH  
Touchdown SLIGHTLY TAIL LOW  
Brakes (if required) APPLY HEAVILY  
Checklist COMPLETE

**V/R ENGINE FIRE DURING START**

**Ignition Switch CONTINUE CRANKING**

If engine DOES start:

Throttle (2 minutes) 1700 RPM  
Fuel Shutoff Valve OFF  
Mixture IDLE CUT OFF  
Battery Master Switch OFF  
Ignition Switch OFF  
Aircraft EVACUATE

If engine DOES NOT start:

**Ignition Switch CONTINUE CRANKING**

Secure Engine  
Mixture IDLE CUT OFF  
Engine SECURE  
Battery Master Switch OFF  
Ignition Switch OFF  
Fuel Shutoff Valve OFF  
Cabin Fire Extinguisher (if installed) OBTAIN  
Aircraft EVACUATE  
Fire Extinguisher OBTAIN/USE  
Checklist COMPLETE

**V/R ELECTRICAL FIRE IN FLIGHT**

Battery Master Switch OFF  
All Other Switches (except ignition) OFF  
Vents/Cabin Air/Heat CLOSED  
Cabin Fire Extinguisher (if installed) OBTAIN/USE  
Cabin(if fire extinguisher used) VENTILATE

If Fire is Extinguished & Electrical Power is Needed:

Battery Master Switch ON  
Circuit Breakers CHECKED  
Radios & Electrical (one at a time) ON  
Vents/Cabin Air/Heat OPEN  
Land As Soon As Practical EXECUTE  
Checklist COMPLETE

**V/R ENGINE FIRE IN FLIGHT**

Mixture IDLE CUT OFF  
Fuel Shutoff Valve OFF  
Battery Master Switch OFF  
Cabin Heat & Air (except wing vents) OFF  
Airspeed 85+ KIAS TO EXTINGUISH FIRE

Power Off Landing Checklist EXECUTE  
Checklist COMPLETE

**V/R CABIN FIRE IN FLIGHT**

Battery Master Switch OFF  
Vents/Cabin Air/Heat CLOSED  
Cabin Fire Extinguisher (if installed) USE  
Cabin(if fire extinguisher used) VENTILATE

Land As Soon As Practical EXECUTE  
Checklist COMPLETE

**V/R WING FIRE IN FLIGHT**

Navigation Lights OFF  
Strobe Lights (if installed) OFF  
Pitot Heat OFF  
Side Slip EXECUTE

Flaps RETRACTED  
Land As Soon As Practical EXECUTE  
Checklist COMPLETE

**C-152 ABNORMAL CHECKLIST**

**V/R PRECAUTIONARY LANDING**

Flaps 20 °  
Airspeed 60 KIAS  
Landing Area FLY OVER  
Avionics Switch OFF  
Electrical Switches OFF  
Flaps 30 °  
Airspeed 55 KIAS  
Battery Master Switch OFF  
Doors UNLATCH PRIOR TO TOUCHDOWN  
Seat Belts & Harness CHECKED/TIGHT  
Touchdown SLIGHTLY TAIL LOW  
Ignition Switch OFF  
Brakes AS REQUIRED  
Checklist COMPLETE

**V/R LANDING WITH A FLAT MAIN TIRE**

Approach NORMAL  
Flaps AS DESIRED  
Touchdown GOOD TIRE FIRST  
(Hold airplane off flat tire as long as possible with aileron control)  
Directional Control MAINTAIN  
Checklist COMPLETE

**V/R INADVERTENT ICING ENCOUNTER**

Pitot Heat ON  
Altitude & Heading (turn back or change altitude) ADJUST  
Cabin Heat ON  
Throttle FORWARD  
Carburetor Heat AS REQUIRED  
Land As Soon As Practical EXECUTE  
Flaps RETRACTED  
Forward Slip (for visibility) AS REQUIRED  
Airspeed (depending on ice accumulation) 65-75 KIAS  
Touchdown LEVEL PITCH ATTITUDE  
Checklist COMPLETE

**V/R DITCHING**

Radio (121.50 MHz) TRANSMIT MAYDAY  
Transponder SQUAWK 7700  
Heavy Objects & Baggage JETTISON/ SECURE  
Seat Belts & Harness CHECKED/TIGHT  
Approach (high winds and heavy seas) INTO THE WIND  
Approach (light winds and heavy swells) PARALLEL TO SWELLS  
Flaps 30 °  
Power/Airspeed (300 ft/min descent) 55 KIAS  
Doors UNLATCH PRIOR TO TOUCHDOWN  
Touchdown (at 300ft/min descent) LEVEL PITCH ATTITUDE  
Face CUSHION FOR IMPACT  
Aircraft EVACUATE  
Life Vests & Raft (if equipped) INFLATE  
Checklist COMPLETE

**V/R OVER VOLTAGE LIGHT ON**

Radios and Transponder OFF  
Battery Master Switch (both sides) OFF  
Battery Master Switch ON  
Ammeter SHOWS NORMAL CHARGE  
Radios and Transponder ON  
If Over-Voltage Light Illuminates Again:  
Land As Soon As Practical EXECUTE  
Checklist COMPLETE

**V/R AMMETER SHOWS DISCHARGE**

If Ammeter Continues to Show Discharge:  
Alternator OFF  
Nonessential Electrical Equipment OFF  
Land As Soon As Practical EXECUTE  
Checklist COMPLETE

**V/R LANDING WITHOUT ELEVATOR CONTROL**

Flaps 20 °  
Trim HORIZONTAL FLIGHT  
Airspeed 55 KIAS  
(use throttle and elevator trim to control pitch and airspeed)  
Trim DO NOT CHANGE  
Glide ADJUST POWER ONLY  
Flare FULL NOSE-UP TRIM  
Throttle ADJUST  
Touchdown HORIZONTAL ATTITUDE AFTER TOUCHDOWN  
Throttle CLOSE  
Checklist COMPLETE

**AIRSPEEDS FOR EMERGENCY OPERATION**

Engine Failure After Takeoff 60 KIAS  
Maneuvering Speed 93-104 KIAS  
Maximum Glide 60 KIAS