

C-172R/S EMERGENCY CHECKLIST

Revision 1: Issued 7/11/2011
FOR INSTRUCTIONAL USE ONLY

**V/R ENGINE FAILURE
(BELOW V_R)**

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_R)**

Airspeed	65R/70S KIAS (FLAPS UP) 60R/65S KIAS (FLAPS DN)
Mixture	IDLE CUT OFF
Fuel Shutoff Valve	OFF
Ignition Switch	OFF
Flaps	AS REQUIRED
Battery Master Switch	OFF
Cabin door	UNLATCH
Land	STRAIGHT AHEAD
Checklist	COMPLETE

V/R ENGINE FAILURE IN FLIGHT

Airspeed	65R/68S KIAS
Fuel Shutoff Valve	ON
Fuel Selector Valve	BOTH
Aux Fuel Pump Switch	ON
Mixture	RICH
Ignition Switch	BOTH
Ignition Switch (if prop. stopped)	START
Engine Gauges	CHECKED
Aux Fuel Pump Switch	OFF
Checklist	COMPLETE

V/R POWER OFF LANDING

Airspeed	65R/70S KIAS (FLAPS UP) 60R/65S KIAS (FLAPS DN)
----------	--

Seat Backs	UPRIGHT
Seat Belts	SECURE
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
Mixture	IDLE CUT OFF
Fuel Shutoff Valve	OFF
Battery Master Switch	OFF
Ignition Switch	OFF
Aircraft	EVACUATE

If engine DOES NOT start:

Ignition Switch	CONTINUE CRANKING
-----------------	-------------------

Throttle	Full Open
Mixture	IDLE CUT OFF
Fuel Shutoff Valve	OFF
Aux Fuel Pump Switch	OFF
Fire Extinguisher	OBTAIN
Engine	SECURE
Battery Master Switch	OFF
Ignition Switch	OFF
Aircraft	EVACUATE
Fire Extinguisher	USE
Checklist	COMPLETE

V/R ELECTRICAL FIRE IN FLIGHT

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

If Fire is Extinguished & Electrical Power is Needed:

Battery Master Switch	ON
Circuit Breakers	CHECKED
Radio Switches	OFF
Avionics Master	ON
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
Aux Fuel Pump Switch	OFF
Battery Master Switch	OFF
Cabin Heat & Air (except wing vents)	OFF
Airspeed	100 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

Landing Light	OFF
Taxi Light	OFF
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-172R/S ABNORMAL CHECKLIST

V/R PRECAUTIONARY LANDING

Seat Backs	UPRIGHT
Seat Belts	SECURE
Flaps	20°
Airspeed	60R/65S KIAS
Landing Area	FLY OVER
Avionics Switch	OFF
Electrical Switches	OFF
Flaps	30°
Airspeed	60R/65S KIAS
Battery Master Switch	OFF
Doors	UNLATCH PRIOR TO TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Ignition Switch	OFF
Mixture	IDLE CUTOFF
Brakes	AS REQUIRED
Checklist	COMPLETE

V/R LANDING WITH A FLAT MAIN TIRE

Approach	NORMAL
Flaps	30°
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	ADJUST (turn back or change altitude)
Cabin Heat	ON
Defroster Outlets	OPEN
Throttle	FORWARD
Mixture	ADJUST
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

V/R DITCHING

Radio (121.50 MHz)	TRANSMIT MAYDAY
Transponder	SQUAWK 7700
Heavy Objects & Baggage	JETTISON/ SECURE
Seats	UPRIGHT
Seat Belts & Harness	CHECKED/TIGHT
Flaps	20°- 30°
Power/Airspeed	(300 ft/min descent) 55 KIAS
Approach	(high winds and heavy seas) INTO THE WIND
Approach (light winds and heavy swells)	PARALLEL TO SWELLS
Doors	UNLATCH PRIOR TO TOUCHDOWN
Touchdown (at 300ft/min descent)	LEVEL PITCH ATTITUDE
Face	CUSHION FOR IMPACT
ELT	ACTIVATE
Aircraft	EVACUATE
Life Vests & Raft (if equipped)	INFLATE
Checklist	COMPLETE

V/R STATIC SOURCE BLOCKAGE (ERRONEOUS INSTRUMENT READING)

Alternate Static Source	PULL ON
Checklist	COMPLETE

V/R AMMETER SHOWS EXCESSIVE RATE OF CHARGE

Alternator Switch	OFF
Alternator Circuit Breaker	PULL
Nonessential Electrical Equipment	OFF
Land As Soon As Practical	EXECUTE
Checklist	COMPLETE

V/R LOW VOLTAGE LIGHT ON (AMMETER INDICATES DISCHARGE)

Avionics Master Switch	OFF
Alternator Circuit Breaker	CHECKED IN
Battery Master Switch (both sides)	OFF
Battery Master Switch	ON
Low Voltage Light	CHECKED OFF
Avionics Master Switch	ON
If Low Voltage Light Illuminates Again:	
Alternator	OFF
Nonessential Electrical Equip	OFF
Land As Soon As Practical	EXECUTE
Checklist	COMPLETE

V/R LANDING WITHOUT ELEVATOR CONTROL

Flaps	20°
Trim	HORIZONTAL FLIGHT
Airspeed	60R/65S 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