

C-172R BOLDFACE/OPS LIMITS

NAME:

CHECKED BY:

DATE:

SECTION I: BOLDFACE EMERGENCY PROCEDURES

ABORT

THROTTLE – IDLE

BRAKES – AS REQUIRED

ENGINE FIRE DURING START

STARTER – CRANK ENGINE

IF ENGINE FAILS TO START

THROTTLE – FULL

MIXTURE – LEAN

CRANKING – CONTINUE

FUEL SHUTOFF VALVE – OFF

AUX FUEL PUMP SWITCH – OFF

ENGINE FAILURE DURING FLIGHT (ENGINE RESTART ATTEMPTED)

AIRSPEED – 65 KNOTS

FUEL SHUTOFF VALVE – ON

FUEL SELECTOR – BOTH

AUX FUEL PUMP SWITCH – ON

MIXTURE – RICH

FIRE IN FLIGHT (ENGINE)

MIXTURE – LEAN

FUEL SHUTOFF VALVE – OFF

AUX FUEL PUMP SWITCH – OFF

MASTER SWITCH – OFF

ENGINE FAILURE DURING TAKEOFF (OR LOW ALTITUDE)

AIRSPEED – 65 KNOTS

FORCED LANDING (LANDING ASSURED/COMMITTED)

MIXTURE – LEAN

FUEL SHUTOFF VALVE – OFF

IGNITION SWITCH – OFF

FLAPS – AS REQUIRED

MASTER SWITCH – OFF

DOORS – UNLATCH

INADVERTENT SPIN ENTRY

THROTTLE – IDLE

AILERONS – NEUTRAL

RUDDER – FULL OPPOSITE TO DIRECTION OF ROTATION

YOKE – FULL FORWARD

FIRE IN FLIGHT (ELECTRICAL) OR CABIN FIRE

MASTER SWITCH – OFF

VENTS/CABIN AIR/HEAT – CLOSED

FIRE EXTINGUISHER – ACTIVATE

WHEN ASCERTAINED THAT FIRE IS COMPLETELY EXTINGUISHED

VENTS/CABIN AIR/HEAT – OPEN

SECTION IIa: OPERATIONS LIMITATIONS & V-SPEEDS

V SPEEDS (MAX GROSS WEIGHT)

V _R	55	KIAS
V _X	60	KIAS
V _Y	79	KIAS
V _A	99	KIAS
V _{NO}	129	KIAS
V _{NE}	163	KIAS
V _{FE}	110	KIAS
V _{SO}	33	KIAS
V _{S1}	44	KIAS
Best Glide	65	KIAS

ENGINE

Maximum Horsepower	160
Revolution Speed (RPM)	Normal 1900-2400 Max 2400
Oil Quantity	5-8 qts
Oil Temp	Max 245°F
Oil Pressure	Min 20 PSI Normal 50-90 PSI Max 115 PSI

FUEL

Fuel Type	100LL
Fuel Capacity (Useable)	53 gal
Fuel Capacity (Total)	56 gal

BAGGAGE

Max Baggage 120 pounds

SECTION IIb: AERO CLUB LIMITS

WINDS/WX

Turbulent Air Penetration	99 KIAS
Max Crosswind Dry Runway	15 Knots
Winds greater than	30 Knots
Day VFR minimum	1500 feet / 3 SM
Night VFR minimum	2500 feet / 5 SM

RUNWAY

Length 2000 feet or sum of T/O & LDG Roll
(Whichever greater)

Width 50 feet

ALTITUDE LIMITATIONS

Minimum Altitude (when practical)	1000 feet AGL
Mountainous Terrain	2000 feet AGL
Min Altitude for maneuvering	1500 feet AGL
Min Altitude for maneuvering (Night)	2000 feet AGL
SEF (Simulated Engine Failure) below	500 feet AGL

PROHIBITED MANEUVERS

All Aerobatics
Inverted Flight
Intentional Spins
Maneuvering at night without current/qualified CFI

STUDENT LIMITS – Filled out by SP's ONLY

Max Crosswind	10 Knots
Forecast or Actual Surface Wind	20 Knots
Touch & Go Landings – Prohibited	
10 Hours Solo or 30 Days without dual ride	
Solo at night – Prohibited	
No ELPs (Emergency Landing Patterns)	
Local WX minimum Solo	5000 feet / 5 SM
Cross-country WX minimum Solo	6000 feet / 6 SM