

T-41C 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**

EMERGENCY ENGINE SHUTDOWN ON THE GROUND

**MIXTURE – LEAN**

**FUEL SHUTOFF VALVE – OFF**

**IGNITION SWITCH - OFF**

**MASTER SWITCH – OFF**

FIRE IN FLIGHT (ENGINE)

ENGINE FAILURE DURING TAKEOFF (OR LOW ALTITUDE)

FORCED LANDING (LANDING ASSURED/COMMITTED)

**AIRSPEED – 85 MPH**

**MIXTURE – LEAN**

**FUEL SHUTOFF VALVE – OFF**

**IGNITION SWITCH – OFF**

**FLAPS – AS REQUIRED**

**MASTER SWITCH – OFF**

ENGINE FAILURE DURING FLIGHT (ENGINE RESTART ATTEMPTED)

**AIRSPEED – 85 MPH**

**MIXTURE – RICH**

**THROTTLE – IN HALFWAY**

**FUEL SELECTOR – BOTH**

**FUEL SHUTOFF VALVE – ON**

**IGNITION SWITCH – BOTH**

**MASTER SWITCH – ON**

**AUX FUEL PUMP SWITCH – LOW**

INADVERTENT SPIN ENTRY

**THROTTLE – IDLE**

**AILERONS – NEUTRAL**

**RUDDER – FULL OPPOSITE TO DIRECTION OF ROTATION**

**YOKE – FULL FORWARD**

FIRE IN FLIGHT (ELECTRICAL) OR HIGH AMMETER READING

**MASTER SWITCH – OFF**

SECTION IIa: OPERATIONS LIMITATIONS & V-SPEEDS

**V SPEEDS (MAX GROSS WEIGHT)**

V <sub>R</sub>	60	mph
V <sub>X</sub>	85	mph
V <sub>Y</sub>	100	mph
V <sub>A</sub>	127	mph
V <sub>NO</sub>	145	mph
V <sub>NE</sub>	182	mph
V <sub>FE</sub>	100	mph
V <sub>SO</sub>	53	mph
V <sub>S1</sub>	64	mph
Best Glide	85	mph

**ENGINE**

Maximum Horsepower	210
Revolution Speed (RPM)	Normal 2200-2800 Max 2800
Oil Quantity	6-10 qts
Oil Temp	Max 240°F
Oil Pressure	Min 10 PSI Normal 30-75 PSI Max 100 PSI

**FUEL**

Fuel Type	100LL
Fuel Capacity (Useable)	46 gal
Fuel Capacity (Total)	52 gal

**BAGGAGE**

Max Baggage 120 pounds

SECTION IIb: AERO CLUB LIMITS

**WINDS/WX**

Turbulent Air Penetration	127 mph
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