

**T-6A BOLDFACE EMERGENCY PROCEDURES/OPERATING LIMITATIONS****1. BOLDFACE EMERGENCY PROCEDURES****EMERGENCY ENGINE SHUTDOWN ON THE GROUND****PCL - OFF****FIREWALL SHUTOFF HANDLE - PULL****ABORT****PCL - IDLE****BRAKES - AS REQUIRED****ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF (SUFFICIENT RUNWAY REMAINING STRAIGHT AHEAD)****AIRSPEED - 110 KNOTS (MINIMUM)****PCL - AS REQUIRED****EMER LDG GR HANDLE - PULL (AS REQUIRED)****ENGINE FAILURE DURING FLIGHT****ZOOM/GLIDE - 125 KNOTS (MINIMUM)****PCL - OFF****INTERCEPT ELP****IMMEDIATE AIRSTART (PMU NORM)****PCL - OFF****STARTER SWITCH - AUTO/RESET****PCL - IDLE, ABOVE 13% N1****UNCOMMANDED PROPELLER FEATHER****PCL - RETARD****PROP SYS CIRCUIT BREAKER - PULL****INADVERTENT DEPARTURE FROM CONTROLLED FLIGHT****PCL - IDLE****CONTROLS - NEUTRAL****ALTITUDE - CHECK****FIRE IN FLIGHT****IF FIRE IS CONFIRMED****PCL - OFF****FIREWALL SHUTOFF HANDLE - PULL****OBOGS INOPERATIVE****GREEN RING - PULL (AS REQUIRED)****EJECT****EJECTION HANDLE - PULL (BOTH)**

II. OPERATING LIMITATIONS						
ENGINE OPERATING LIMITS						
Power Setting	Torque % Max	ITT °C Max	N <sub>1</sub> % Max	N <sub>P</sub> % Max	Oil Pressure PSI	Oil Temp °C
Takeoff/Max	<b>100</b>	<b>820</b>	<b>104</b>	<b>100</b> <sup>(2)</sup>	<b>90 to 120</b> <sup>(6)</sup>	<b>10 to 105</b>
Idle		<b>750</b>	<b>60</b> Min (ground) <sup>(1)</sup> <b>67</b> Min (flight)	(4)	<b>90</b> Min	<b>-40 to 105</b> <b>105 to 110</b> <sup>(7)</sup>
Start		<b>1000</b> ( 5 sec)			<b>200</b> Max	<b>-40</b> Min
Transient	<b>131</b> ( 20 sec)	<b>870</b> ( 20 sec)	<b>104</b>	<b>102</b> ( 20 sec) <b>110</b> <sup>(3)</sup>	<b>40 to 130</b> <sup>(5)</sup>	<b>106 to 110</b> ( 10 minutes )
NOTES						
<p>1. N<sub>1</sub> values presented for PMU ON. With PMU OFF, N<sub>1</sub> may vary from these values.</p> <p>2. With PMU OFF, permissible maximum N<sub>P</sub> is <b>100±2</b> %.</p> <p>3. Permissible at all powers for completion of flight in emergency.</p> <p>4. Avoid stabilized ground operation from <b>62 - 80</b> % N<sub>P</sub>.</p> <p>5. Operation in this range permitted only during aerobatics or spins. <b>15 - 40</b> psi for <b>five</b> seconds with PCL at IDLE</p> <p>6. Normal oil pressure during steady state conditions is <b>90 - 120</b>. Operation at oil pressure less than <b>90</b> psi at flight idle or above is indicative of oil system malfunction.</p> <p>7. Acceptable for ground operation at and below <b>20</b> % torque.</p>						
AIRSPEED LIMITATIONS				STARTER LIMITATIONS		
Max Airspeed Gear DOWN (V <sub>LE</sub> ) & Flaps extended (V <sub>FE</sub> ) <b>150</b> KIAS Max Operating Speed (V <sub>MO</sub> ) <b>316</b> KIAS or (M <sub>MO</sub> ) <b>.67</b> Mach				Starter is limited to four <b>20</b> sec cycles. After first duty cycle wait - <b>30 seconds</b> After second duty cycle wait - <b>2 minutes</b> After third duty cycle wait - <b>5 minutes</b> After fourth duty cycle wait - <b>30 minutes</b>		
PROHIBITED MANEUVERS				ACCELERATION LIMITATIONS		
1. <b>Inverted</b> stalls 2. <b>Inverted</b> spins 3. <b>Power-on</b> spins 4. Aggravated <b>spins past two turns</b> 5. Spins with the <b>landing gear, flaps or speed brake</b> extended 6. Spins with the <b>PMU OFF</b> 7. Spins below <b>10,000 feet</b> pressure altitude. 8. Spins above <b>22,000 feet</b> pressure altitude. 9. Abrupt <b>cross-controlled (snap)</b> maneuvers. 10. Aerobatic maneuvers, spins or stalls with greater than <b>50 pounds</b> fuel imbalance 11. <b>Tail slides</b>				Symmetric, Clean <b>-3.5</b> to <b>+7.0</b> Gs Symmetric, Gear & Flaps <b>0</b> to <b>+2.5</b> Gs Asymmetric, Clean <b>-1.0</b> to <b>+4.7</b> Gs Asymmetric, Gear & Flaps <b>0</b> to <b>+2.0</b> Gs		
PROCEDURAL LIMITATIONS				OTHER LIMITATIONS		
Normal recovery fuel <b>200 pounds</b> Minimum fuel <b>150 pounds</b> ( <b>200 pounds</b> solo ) Emergency fuel <b>100 pounds</b> ( <b>100 pounds</b> solo ) Minimum runway length: <b>4000 feet</b> Min width: <b>75 feet</b> Formation takeoff/landing crosswind limit: <b>15 knots</b> Touch and Go crosswind limit: <b>20 knots</b> Min altitude for aerobatics, unusual attitudes, recoveries <b>5000</b> 'AGL Complete stalls, slow flight, OCF & spin recoveries above <b>6000</b> 'AGL Minimum altitude for spin/OCF entry <b>13,500</b> MSL Enter spin/OCF at least <b>7000</b> feet above clouds				Oil level must be serviced to <b>MAX HOT</b> within <b>30</b> minutes of engine shutdown after every flight. Min voltage for battery start <b>23.5 V</b> Max crosswinds - Dry runway: <b>25 knots</b> Wet runway: <b>10 knots</b> Icy runway: <b>5 knots</b> Max tailwind component for takeoff: <b>10 knots</b> Max icing band/icing type: <b>5000'</b> / <b>light rime</b> Max wind with canopy open: <b>40 knots</b> Maximum descent rate at touchdown: <b>780 fpm</b> Normal cockpit pressurization: <b>3.6 ± 0.1</b> psi Aerobatics prohibited less than <b>150#</b> fuel per side		