

FIGHTERJETS INC

JET DEMO TEAM

PILOT EXTRACTION AND EJECTION SEAT SAFETY T-33 (CT-133) AIRCRAFT

FIRE AND RESCUE OVERVIEW / T-33 (CT-133) AIRCRAFT

The T-33 is an all-metal aircraft with a single Turbo-Jet engine mounted in the middle of the aircraft. Direct firefighting can be accomplished by firing flame suppression materials into the inlets, the exhaust, and the blow in doors. The inlets are located on the left and right side of the aircraft under the pilot's station. The blow in doors are spring loaded to fold into the center section of the engine bay and are located in the middle of the aircraft behind the canopy. The exhaust is located in the opening in the very back of the aircraft. The canopy is electric with a mechanical crank backup system. The Aircraft has three fuel tanks on each wing. The Tip tank, the outboard tank, and the inboard tank. The tip tanks will never have fuel in them during a demonstration. The outboard tank may have smoke oil in it but is usually empty. The inboard tanks will always have fuel. The Fuselage tank is behind the second seat and hold approximately 120 gallons. Aircraft batteries are in the nose compartment. Oxygen system is in the top of the engine bay forward of the blow in doors. The Pilot Ejection system are a single rocket system in each seat plus an explosive charge to remove the canopy before ejection.

Revision: IR
4/7/2023

CANOPY ON AIRCRAFT

Approach aircraft from right side.

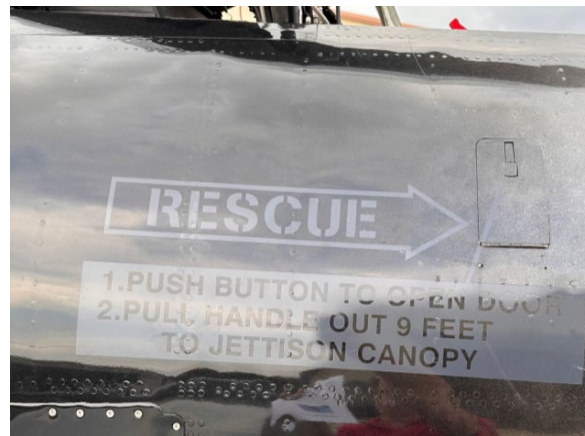


Open “Canopy Switch & Hand crank” panel. Use the stowed hand crank on upper left hole to unlock the canopy. Use then use either electric “Canopy open” switch or the hand crank if the battery is not operating.



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If neither of these options are working you can eject the canopy on the ground by opening “RESCUE” panel on right side of the jet just below the rear seat railing. Inside is a lanyard that you take out as far from the jet before pulling. This will eject the canopy via explosive charge.



CAUTION, CANOPY WILL EJECT OFF AND BEHIND THE AIRCRAFT. KEEP RESCUE CREW CLEAR!



AIRCRAFT FUEL AND BATTERY SWITCHES

Should the engine still be running it can be shut off by pulling aft on the white knob on the cockpit left side near the pilots left knee labeled “High Pressure Cock.” The battery can be turned off by moving the battery switch to the “OFF” position in either cockpit. Switch is found on the right side of the cockpits under the canopy rail by the pilot’s right hip.



REAR COCKPIT



FRONT COCKPIT

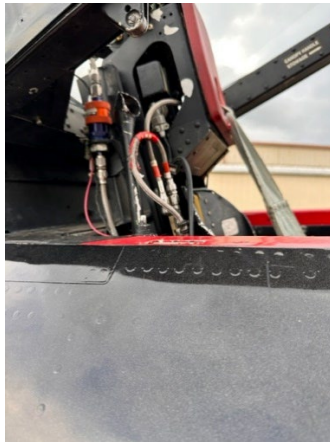


BATTERY SWITCH (FRONT AND REAR THE SAME)

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MAKING CANOPY AND SEAT EJECTION CHARGES SAFE

The Canopy and Seat ejection systems can be permanently deactivated. The Seat ejection charge can be deactivated by simply cutting the braided metal cable colored and placarded for this purpose on the upper right side of the ejection seat.



The Canopy can be made safe by breaking the canopy glass and cutting a similarly braided metal cable painted red and placarded in the aft right side of the canopy.

