

Emergency Extraction Information Pitts “Prometheus” N540S and N540SS



Pilot: William Lewis “Skip” Stewart

General Aircraft Information

The aircraft is constructed of wooden wings and a steel tubular fuselage. The entire aircraft is covered with fabric, with the exception of the fuselage areas from the cockpit forward, which are covered with aluminum panels. There are four fuel tanks located forward of the pilot inside the fuselage. The forward two tanks typically have smoke oil in them, and the aft two have 100LL Aviation Fuel. The battery is located behind the pilot seat and in an emergency can be accessed by cutting the fabric on the side of the fuselage, just aft of the cockpit. If the aircraft is inverted, it can typically be rotated to an upright position by having two or more people lift on the tail. The canopy has two latches, one on each side. They are small metal tabs that need to be lifted simultaneously, while sliding aft. There are also two thin metal straps that may need to be cut with a knife. The canopy is very fragile and can be ripped off by grabbing the aft section and pulling forward, or by hitting it with a crash axe or hammer. The seatbelt is a typical "Hooker" harness with two lap belts. Each belt has a lever in the center that can be disconnected easily by lifting the lever up. One these two levers are raised, the entire belt system will release, allowing for removal of the pilot. The best way to extract the pilot is to pull on the parachute shoulder straps.

Battery Location

The battery is located on this tray behind the pilot seat



Fuel System

Four tanks forward of the pilot



Fuel Selector and shut-off

Fuel Tanks

Canopy



Grab here and pull in emergency

Lift metal tabs on each side to slide.

Thin metal straps that may need to be cut.

Seatbelts



Harness Release

The pilot's harness is released by unlatching two lap belts. Rotate the locking bar on each lap belt, then clear away the straps.

If time is critical, cut all required straps to remove pilot.

Pull to rotate the two locking bars