

# ***L39C Emergency Extraction Procedures / Guide***



**Aero Vodochody L-39**

**N139VS**

**June 4, 2023 v.2**

This document is intended to be a guide for emergency personnel when responding to an emergency or accident involving this L39 Aero Vodochody jet aircraft. This aircraft **DOES NOT HAVE AN EJECTION SEAT OR ANY TYPE OF EXPLOSIVE SYSTEM** to jettison the canopy that responders need to be aware of. Everything is accomplished manually. **Missiles, if underwing, are inert.**

Upon reaching the aircraft in the event of an incident the steps to be followed are:

1. Fire – Extinguish
2. Open the canopy
3. Shut off the fuel and engine (if necessary)
4. Shut off the electrical power
5. Release the safety belts
6. Disconnect the helmet
7. Extract the pilot

**Step 1 - FIRE - - EXTINGUISH**

If the engine is still running, DROWN with water/foam applied to the ENGINE INTAKE



## Step 2 - OPEN / BREAK THE CANOPY

The front and rear canopies on the L39 are **INDIVIDUALLY** opened by **pressing the tab on the left side of the release arm** and **ROTATING** the **RELEASE ARM** that is located on the left side of the fuselage (Figure 1)

In the event that a canopy cannot be opened, such as inverted, sharp blows from a heavy object should break the Plexiglas.

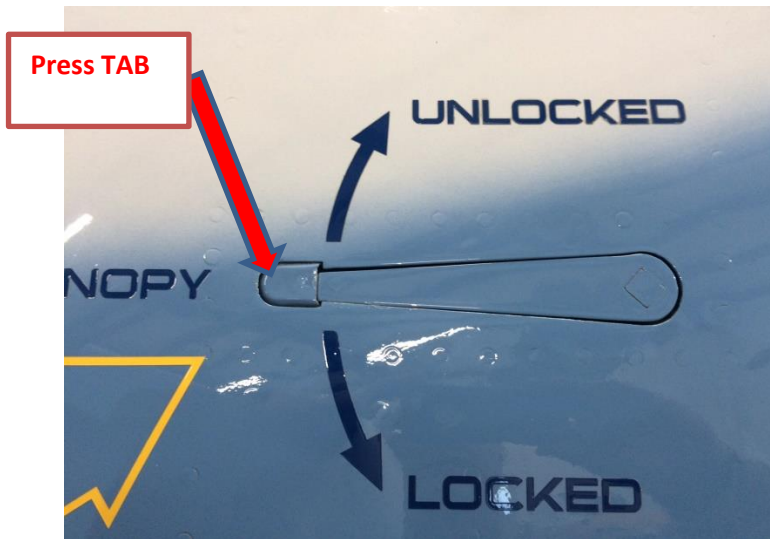


Figure 1 – Exterior Canopy Release Lever

To **UNLOCK** the canopy, the lever must be rotated **CLOCKWISE** so that it is pointing straight UP & DOWN. (Figure 2)



Figure 2 – Canopy UNLOCKED Position

### Step 3 - SHUT OFF THE FUEL AND ENGINE

Once the canopy has been opened, it will be necessary to shut off the engine if it is still running.

To shut off the engine, left side cockpit control panel, you will need to pull the **RED MIXTURE LEVER FULL AFT (PUSH TOWARDS THE BACK OF THE PLANE)**. This is accomplished by moving the protective guard from around the lever and pulling it **AFT**. This will immediately cut off the flow of fuel to the engine.

Once you have done that, pull the **YELLOW THROTTLE KNOB FULL AFT (PUSH TOWARDS THE BACK OF THE PLANE)**. (Figure 3)

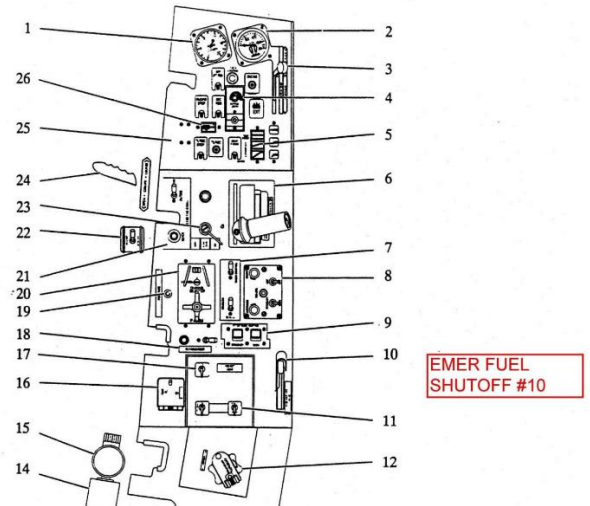
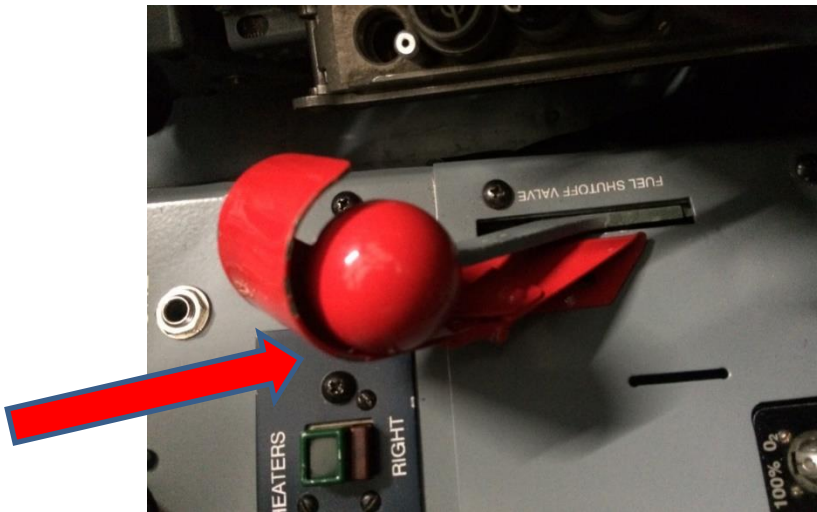


Figure 3 – FUEL & THROTTLE LEVERS

#### 4. SHUT OFF THE ELECTRICAL SYSTEM

You will next need to shut off the **ELECTRICAL SYSTEM**.

This is most easily accomplished by **TURNING OFF (PUSH TOWARDS THE BACK OF THE PLANE)** the **MASTER SWITCH** (Figure 4) in the front cockpit, on the **right side switch panel**.

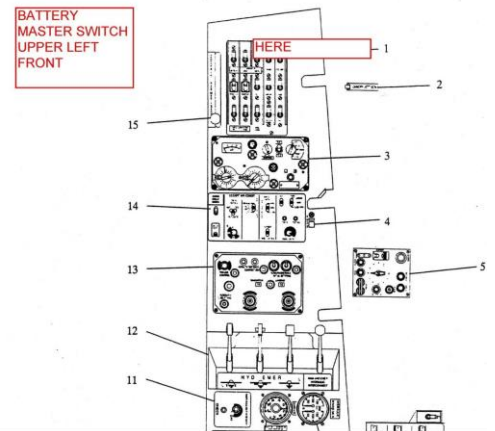


Figure 4 - MASTER ELECTRICAL switch

## 5. RELEASE THE SAFETY BELTS

The L39 is equipped with a combination of safety belt / parachute restraint system.

This is a **4 POINT SAFETY HARNESS** made up of a chest belt, waist belt and two leg belts. The occupant's arms are slipped into the parachute shoulder straps before buckling.

In order to remove the pilot from the aircraft you will have to **RELEASE 4 MILITARY STYLE LATCHES** on restraint system. Use your **FINGER AND THUMB AND PULL UP** on each buckle. (Figure 5)

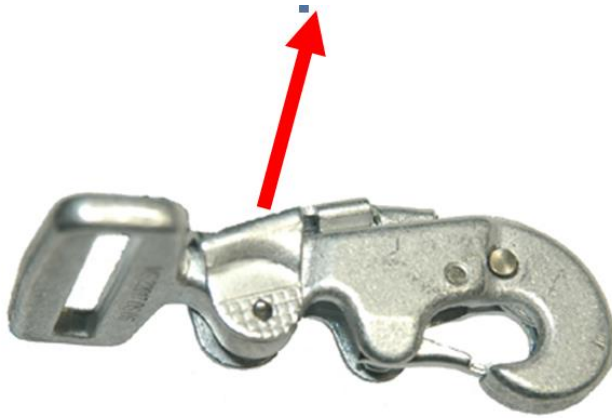


Figure 5 - SAFETY BELT

## 6. DISCONNECT THE HELMET

Before removing the pilot or passenger, you will need to **DISCONNECT** the helmet.

This is accomplished by **DISCONNECTING** the **PLUG** at the end of his **HELMET CORD** from the **RECEPTACLE** which is located on the left **side** of the cockpit just **below** the **canopy** on **the side rail**. (Figure 6)



Figure 6 - HELMET JACK



## **7. EXTRACT THE PILOT**

Once you have reached this point, the pilot can be removed from the aircraft.

Once assessing the situation, it will be up to the first responders and EMS to decide the best method for the extraction.

Keep in mind that the pilot will be wearing a helmet. It is probably best to remove them from the aircraft while still wearing this equipment. To do otherwise would take extra time and cause excessive movement, which could cause additional injuries.

**L-39C N139VS Points of Contact**

Aircraft Type: Aero Vodochody L39C

Registration: N139VS Experimental / Exhibition

Pilot: Ronald D. Staley

Blood: O-

No known allergies

Emergency Contact: Linda D. Staley (wife of the pilot)

Emergency Number: 586-201-1008

Date: June, 2023

**NOTE:** *If you or any member of your team is unclear about **ANY** of these procedures, please contact our Ron Staley at 517-749-9553 or [rstaley1@comcast.net](mailto:rstaley1@comcast.net) and he will clarify any details.*

*We also strongly encourage you to set up a meeting between Ron Staley and your EMS and Rescue Personnel prior to your event so that he can demonstrate, in person, all of the procedures detailed in this document.*

End of Emergency Extraction Procedure Document