Normal Canopy Release

- The canopies can be released independently using the normal external canopy controls on the left side of the fuselage.
- Pull out the control lever and rotate approximately 60 degrees to the right to release the canopy.
- There is a small balance cylinder that will assist in raising each canopy.
Emergency Extraction

Dornier Alpha Jet

Emergency Canopy Release
- Emergency release system is inoperative

Ejection System
- Ejection seats – inoperative and all charges removed.
- Canopy fragilization – charges are positioned around the frame of each canopy and in a loop in the center of the front canopy. The charges are deactivated but are still in place.

Battery Switch
- Push down on the yellow and black striped Gang Bar to turn off electrical systems on the aircraft.
- Electrical panel located on the lower forward right side of the instrument panel

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Dornier Alpha Jet

Engine Shutdown

- Power levers located on the left side of the cockpit.
- Raise finger lifts and pull power levers aft to the stop position.
- Alternate method: flood engine inlets with water or foam

Harnesses

- Release the belt by removing the safety pin, rotating the control knob in the direction of the arrow and striking the center of the control knob.
- Seat pack parachute is not attached to the seat and can remain on the pilot during extraction.

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Hazards

Pitot Probe Heaters

- Nose, Rosemount and Standby probes on the nose of the aircraft are all electrically heated

Liquid Oxygen (LOX) system

- The LOX bottle is located forward of the cockpit and accessed through a door on the left side of the nose of the aircraft.
- Bottle will contain 10 liters or less of LOX at approx 30 psi.
- LOX supply to the aircraft can be removed by disconnecting the bottle from the supply line.
- The supply line is on the right side of the bottle and is disconnected by pressing down on the locking collar and rotating the knurled knob.

Supply line – locking collar
Emergency Extraction

Dornier Alpha Jet

Fuel

- Aircraft fuel is contained in:
  - Two fuselage tanks that are located just behind the cockpits and below the wing
  - Two wing tanks integral to each wing
  - Two drop tanks (if installed)

Fuselage tanks (2): 162 gal each
Wing tanks (2): 108 gal each
Drop tanks (2): 82 gal each
Smoke pods (2): 1 gal of 100LL and 9 gal of smoke oil
Emergency Extraction

Dornier Alpha Jet

Hydraulic System
- Fluid is MIL 5606 and is flammable
- Reservoirs – Located in each wheel well. 5 liters each.
- Pumps – one located on each engine and one electrical behind the right main landing gear.
- Accumulators – 3 in the fuselage. Charged to 1500 to 3000 psi

Engines
- Fire/heat – The aft portion of the engine will be hot
- Oil – oil reservoirs are located on the bottom of the engine
- Hydraulic – pumps are engine driven and have residual pressure
- Fuel – Fuel is fed from the fuselage tanks to the engines.

Battery
- Located in the left fuselage behind the wing.
- Accessed through a door on the left side
- Disconnect by removing the locking pin and sliding the battery out of the aircraft.

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Arresting Hook
- The hook is located under the tail and controlled by a lever in the cockpit
- Actuator – located in the fuselage above the arresting hook.
- Accumulator – 1200 psi accumulator located in the fuselage

Gas Oxygen System
- Tank is located in the aft fuselage on the left side and accessed through a door just forward of the left horizontal stabilizer.
- A control valve is located adjacent to the bottle and can be turned off to remove all pressure from the gas oxygen system.

Oxygen Control
- Oxygen to the pilot can be turned off at the regulator on the left side of each seat.

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Notes

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