2017
Snowbird
CT-114 Tutor
ARFF Emergency Extraction Reference
V 1.0

Emergency Contact: Capt Blake McNaughton (306) 684-1778
Also See Tutor extraction video
– Attached separately.

Aircraft Emergency Rescue Procedures CT114 Tutor.mp4
Tutor General Arrangement

- All fuel in central tank immediately behind cockpit
- No Fuel in wings
- Standard Diesel in pressurized tanks for Smoke System (180L per side)
- Oxygen cylinders in engine inlet nacelle (w/ burst disk; no explosive risk)

Canopy Open/Jettison Controls

Fire Access to Engine

Emergency Contact: Capt. Blake McNaughton (306) 684-1778
Approaching the Aircraft

- Approach aircraft from the LEFT side, ahead of wing.

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External Canopy Controls

- Battery Power Available (Switches are always “Hot”)
  - Hold BOTH switches to the right until canopy fully open.
- Battery Power Not Available
  - Rotate hand crank clockwise until canopy fully open

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External Canopy Jettison

- ONLY TO BE USED IF CANOPY IS CLOSED/LOCKED
- Only to be used if canopy cannot be opened.
- Canopy will land within 50ft of aircraft and will drift in the direction of wind. No wind is the worst case.
- Open Panel and pull cable/handle to full extension.

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Cockpit Arrangement

- Engine controls on center console
- Canopy Jettison handle on left side of console
- Ejection handles on bottom sides of each seat

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Cockpit Caution Areas

- Canopy Jettison Handle
  - Left side of center console.
- Ejection Seat Handles
  - Two per seat located near seat base

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Engine Shutdown

- Throttle to CUT-OFF will stop engine.
- Engine Master OFF will stop fuel pump.
- Battery Master OFF will isolate electrics.

Move center throttle left around “horn” and full back

Engine Master OFF/down

Battery Master OFF/middle

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COCKPIT MAKE-SAFE

- LOOK ABOVE AND BEHIND SEATS
- 3 Braided steel lines (1 per seat; 1 for canopy)
  - Cut in the middle of the “Cut Here” label.

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CREW EXTRACTION 1

- Disconnect Oxygen hoses
  - Pull apart main oxygen hose.
  - Cut emergency oxygen hose.
  - Pull connecting tab off harness or cut connecting strap

Emergency Contact: Capt Blake McNaughton (306) 684-1778
• Cut Lap belt & Shoulder Harness (LIGHT GREEN)

• Cut shoulder harnesses (left /right).

• Cut lap belts (left/right)

Emergency Contact: Capt Blake McNaughton (306) 684-1778
• Cut lanyard (YELLOW)
CREW EXTRACTION 4A

- Clear Parachute Harness
  - (webbing is very thick)

- Cut shoulder harnesses (left / right).

- Cut leg/crotch straps (left / right)

- OR: SEE NEXT PAGE TO RELEASE HARNESS IF UNABLE TO CUT

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CREW EXTRACTION 4B

- Release Parachute Harness

- Rotate Quick Release 90° CLOCKWISE until “RELEASE” is on top.

- With one hand between aircrew chest and buckle, press buckle inwards to release all straps.

- Clear remaining straps away

Emergency Contact: Capt Blake McNaughton (306) 684-1778
• Occupant can now be extracted, leaving parachute behind in seat.
• If Life-Preserver/Survival Vest ("Mae-West") is worn it will remain on aircrew when extracted. (It can easily be unzipped/cut outside of cockpit.)

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