

Cartridge Actuated Cutter

CAC

Part Number 1814-021-01

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COBHAM



Applications

For use on aircrew chemical/biological defense hood and mask systems. Authorized for installation on all oxygen masks being used in USAF ejection seat aircraft.

Physical Specifications

Government Nomenclature: Cutter, Cartridge Actuated

NSN 1377-01-492-4305

Weight: 2.30 oz (65.0 g)

Height: 2.50 in (6.35 cm)

Width: 1.44 in (3.66 cm)

Length: 2.44 in (6.20 cm)

Performance Characteristics

- Activates within 5 seconds after removal from water.
- Will not operate when exposed to external environments including rain, humidity and salt fog.
- Device circuitry is completely inactive prior to immersion.
- The system is a self-contained unit requiring no scheduled or preventative maintenance.
- Successfully passed qualification for installation on U.S. Navy and U.S. Air Force aircraft.
- Service life of 5 years.

The Cartridge Actuated Cutter (CAC) is a critical life saving device designed to provide an air passage for an incapacitated or injured crew member who resurfaces after being submerged in water.

The unit is qualified for use by the U.S. Air Force, U.S. Navy and several Allied Nations. This device is designed for use on all aircrew chemical/biological defense hood and masks systems. The CAC is also authorized for installation on all oxygen masks being used in USAF ejection seat aircraft.

To prevent water inhalation while submerged, the CAC will not actuate until after resurfacing from water entry. Upon activation, it will automatically cut an air passage in the oxygen mask hose. CAC contains a fired indicator flag to alert aircrew members and support personnel when the unit has been activated.

- Automatically operated.
- Prevents water inhalation.
- State of the art electronics.
- Unique and simple design allows in-line installation.

Cage Code 62323

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