

Joint Water Activated Release System

JWARS

COBHAM

Part Number 1814-047-03

The most important thing we build is trust



Applications

Water activated canopy release system for quick release from ejection seat aircraft.

Physical Specifications

JWARS Unit	Part Number
USAF	1814-047-01
USN	1814-047-02

JWARS Kit	1914-032-01
Buckle Kit	1914-033-01

Wind Blast	605 knots
Ultimate Load	8,500 lbs (3,855 kg)
Opening Force	Less than 15 lbs (6.8 kg) under 600 lbs (272 kg) static load.

Performance Characteristics

- Activates within 2 seconds upon immersion in salt water.
- Will not operate when exposed to other external stimuli including rain, humidity, salt fog, etc.
- BIT tests for battery condition and circuit continuity.
A double flash of the green LED indicates a GO condition.
- Self-contained unit requiring minimal preventative maintenance other than time-change items.
- EPA has an installed battery service life of 2 years, a recommended service life of 6 years and a shelf life of 9 years.

The Joint Water Activated Release System (JWARS) is a state-of-the-art, battery operated, cartridge activated device that automatically separates a parachute canopy from an aircrew member upon immersion in salt water. It is an integrated system constructed of stainless steel, completely symmetrical and interchangeable between the right and left risers. JWARS is used as both a manual and automatic parachute release device and includes a replaceable Electronic Package Assembly (EPA). The replaceable EPA reduces overall system life-cycle costs. JWARS has a maintenance only, comprehensive Built-In-Test (BIT) function capable of recording BIT history, and a “black box” for last fire. It adapts to battery chemistry changes.

- Hybrid firing circuit integrates proven SEAWARS design concept with UWARS firing circuit.
- Stand-alone system, integrating manual function may be operated even after water activated release.
- Will integrate with weapon systems’ parachutes and harness assemblies.
- Requires no special tools for installation.
- “No False Lock” design.
- U.S. Patent Pending.

Cage Code 62323

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