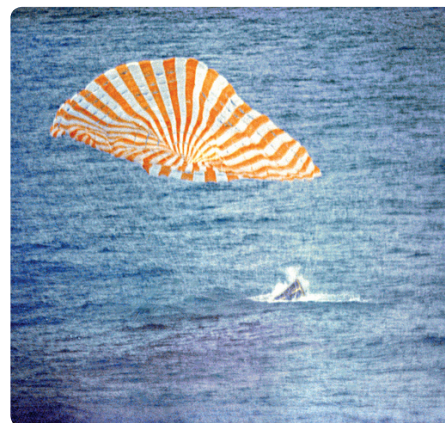


Payload Parachute Release System

PPRS

COBHAM

The most important thing we build is trust



Applications

Ensures a successful landing of payload in a seawater environment.

Physical Specifications

Part Number	1814-010	1814-024	1814-028
Weight (lbs)	2.8 lbs	3 lbs	13 lbs
Weight (kg)	1.27 kg	1.36 kg	5.9 kg

Performance Characteristics

Load Capabilities

Maximum Load During

Operation (lbs)	8550 lbs	3000 lbs	3000 lbs
Operation (kg)	3878.2 kg	1360.8 kg	1360.8 kg
Ultimate Load (lbs)	11,000 lbs	40,000 lbs	43,000 lbs
Ultimate Load (kg)	4989.5 kg	18,144 kg	19,504 kg

Storage Temperature -20°F to +160°F (-29°C to +71°C)

- Units may be refurbished to prepare for the next drop.
- System meets stringent environmental requirements.
- EMI and HERO qualified.
- Intelligent electronic water sensor.
- Activates within 2 seconds when immersed in seawater.

The Payload Parachute Release System is a sea-water activated electro-explosive release. Highly reliable and fully automatic, this versatile parachute release has multiple uses. Model 1814-010 automatically releases the parachute from a military drone after its run. Model 1814-024 is used to disconnect the Space Shuttle's solid rocket booster parachutes after splashdown. The unit actuates within two seconds of immersion in seawater. Recovery efforts are greatly simplified and damage to the solid rocket boosters is reduced.

Model 1814-028 automatically separates the parachute canopy from its cargo load during an air drop. It is commonly used by U.S. and Allied Services for aerial delivery of the Rigid Inflatable Boat to provide a fast, positive, repeatable release in all wind and sea conditions when dropping large RIBs. The system contains four 1814-028 canopy releases, water contact sensor point housings and interconnecting cables.

In all cases, the Cobham releases are impervious to rain, clouds or humidity, functioning only when the system has entered the sea. The Payload Parachute Release System may be refurbished for repeated use.

Cage Code 62323

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