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RESERVE PARACHUTE CANOPY

TA04043



*Image is for illustration purposes only

PRODUCT DESCRIPTION

- The 24-ft-diameter Troop-Chest Reserve Parachute comes in two different color and material versions.
- In all pre-planned parachute drops, it is compulsory to wear a reserve assembly. The reserve parachute is NOT, however, to be used as a main canopy.

ONE STOP SHOP

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COMPONENTS OF PARACHUTE ASSEMBLY

- T-10R Pilot Chute (optional: Spring-activated pilot chute with bridle line)
- Canopy assembly
- Pack assembly
- Ripcord assembly
- Basic assembly when packed for service: approx. 5,900 kg

PACKED DIMENSIONS

Length: 46 cm

Width: 25 cm

Height: 20 cm

PERFORMANCE INFO

- Supports: 158 kilograms
- Rate of descent: 6.7 m/sc for 91 kg suspended weight
- Opening time: 1.5 seconds at terminal speed
- Maximum deployment speed: 241 km/h

CANOPY ASSEMBLY

- The canopy assembly consists primarily of a 24-foot-diameter flat, circular canopy made out of a 1.1-ounce ripstop nylon parachute cloth.
- It contains 24 gores, an upper lateral band, a lower lateral band, 24 V-tabs, 24 pocket bands, 12 canopy lines, 2 connector snaps, and a spreader bar.
- Each canopy gore consists of three or four sections joined together by diagonal seams. Each gore is joined to the adjacent gore by a radial seam, which forms a channel through which one radial line passes.
- The 12 canopy lines, which run continuously from one connector snap to the other, form 24 suspension lines, 24 radial lines, and 12 apex lines.
- The suspension lines are numbered counterclockwise from 1 through 24 consecutively when viewed from the connector snaps.
- The bridle line is used for attaching the pilot chute to the parachute canopy. The canopy assembly is attached to the pack assembly

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PILOT CHUTE

- This pilot chute consists of a 3-foot 4-inch diameter octagonal canopy constructed from 1.1-ounce ripstop nylon parachute cloth, 8 nylon suspension lines, and a spring-activated umbrella type opening frame containing 4 frame ribs.
- The canopy is secured with 4 panel reinforcements across the diameter on the inside of the panels, a strip binding that encircles the skirt down to the connector loop and up to the opposite side of the canopy skirt.
- The suspension lines are stitched together near the lowest point to form the connector loop. The loop is used for attaching the pilot chute to the main parachute canopy by means of the bridle line.
- The opening frame is positioned on the inside of the canopy. The 4 frame ribs are secured in 4 frame rib pockets either by zig-zag stitching or by hand tacking.
- A manually operated ripcord releases the spring-activated pilot chute.



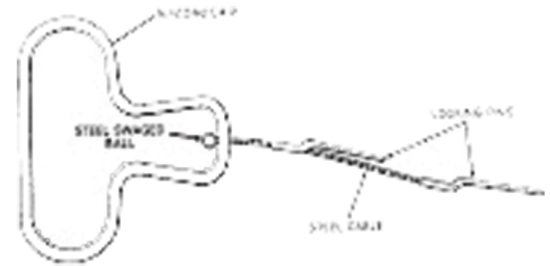
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OPTIONAL MA1-SPRING ACTIVATED PILOT CHUTE

- Shape: Flat octagonal
- Diameter: 40 inches
- Canopy material: 1.1 ounce, MIL-C-7020, Type I ripstop nylon loth
- Amount of suspension lines: 8
- Suspension line material: Nylon cord, MIL-C-5040, Type I
- Length of suspension lines: 31 inches
- Length of bridle line: 15 inches
- Bridle line material: Nylon cord, MIL-C-5040 Type

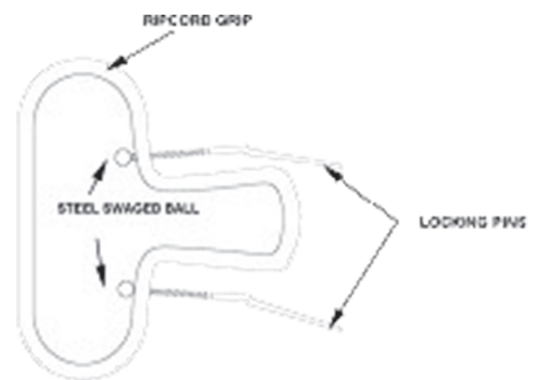


EQUIPMENT DATA

The following is a summary of the capabilities and limitations of the unit equipment and direct support (DS) maintenance personnel for upkeep of the T-10R:

The T-10R

Weight (packed) - Approximately 5,90 kilograms.



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CANOPY ASSEMBLY

Shape	Flat circular
Diameter	24 feet
Number of gores	24
Number of sections per gore	3 or 4
Gore material	1.1-ounce ripstop nylon
parachute cloth conforming to PIA-C-7020, Type I.	
Number of canopy lines	12
Canopy line material	Nylon, MIL-C-5040, Type 3
Canopy line breaking strength	550 pounds
Number of apex lines	12
Number of suspension lines	24
Number of V-tabs	24
Number of pocket bands	24

PILOT CHUTE

Shape	Flat octagonal
Diameter	40-inches
Canopy material parachute cloth, conforming to PIA-C-7020, Type I.	1.1-ounce ripstop nylon
Number of suspension line	8
Suspension line material	Nylon, MIL-C-5040. Type I.
Suspension line breaking strengt	100 pounds
Bridle line material	Nylon, MIL-C-5040, Type 3.
Bridle line breaking strength	550 pounds
Length of bridle line	15-inches

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Pack Assembly	
Panel material	7.25-ounce nylon duck,
conforming to MIL-C-7219	
Ripcord Assembly	
Grip material	Stainless steel tubing
Grip shape	Cloverleaf
Cable material	Flexible steel
Length of cable	7 inches
Number of locking pins	2

MODE OF OPERATION

The parachute is designed to manually activate by means of a ripcord in the case of a main parachute malfunctions. It provides secondary lift capability to safely release airborne soldiers and equipment from an aircraft for a vertical assault on the enemy.



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