

**35 FT. DIAMETER T-10D  
TROOP BACK PARACHUTE ASSEMBLY  
P/N 11-1-564-4  
NSN 1670-01-484-2234**

**TECHNICAL DATA  
UPDATED MAY 17, 2004**

**U.S. PART NO:**

**The standard assembly consists of:**

**11-1-564-2**

**T-10D ASSEMBLY**

- |     |                          |   |
|-----|--------------------------|---|
| 1.  | 49J7141<br>(11-1-1501-2) | 35 Ft. Diameter Canopy with Anti-inversion net and 11-3/4" cut length Pocket Bands.                                   |
| 2.  | 11-1-6994-1              | Deployment Bag without attached Static Line and without Break Cord Strap and Pocket                                   |
| 3.  | 11-1-6993-1              | 15' Universal Static Line   |
| 4.  | 11-1-6993-2              | 5' Extension Static Line  |
| 5.  | 11-1-6991                | Static Line Snap  |
| 6.  | 62J4342                  | Pack Tray with Static Line stow bars  |
| 7.  | 11-1-2143-1              | Harness Assembly with Ejector Snaps and Capewell Cable Type Canopy Release P/N 100681, and Triangle Link (See Page 6) |
| 8.  | 62J4342                  | Pack Tray with Static Line stow bars  |
| 9.  | 11-1-2143-1              | Harness Assembly with Ejector Snaps, Capewell Cable Type Canopy Release P/N 100681, and Triangle Link (See Page 6)    |
| 10. | 11-1-2149-2              | 30" Risers (2 Each) with Fasteners on Log Pocket  |

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**1. Canopy Assembly, P/N 11-1-1501-2:**

Shape:	Parabolic
Diameter:	35 Ft. (Nominal)
Inflated Diameter	25.7 Ft. (Skirt)
Number of Gores	30
Number of Panels Per Gore	5
Number of Radial Tapes	30
Number of Vent Lines	15
Number of Pocket Bands	15; 11-3/4" cut length
Number of Suspension Lines	30
Number of Connector Links	4
Gore Material:	1.1 ounce PIA-C-7020, Type I, ripstop nylon parachute cloth, Camouflage Green #483, 36-1/2" width, 42# minimum tensile strength warp and fill
Radial Tape Material:	9/16", PIA-W-4088, Type I, Class 2, Condition U, 500# tensile strength, Natural, cut length 17' 2-1/4"
Suspension Line Reinforcement Material:	9/16", PIA-W-4088, Type I, Class 2, Condition U, 500# tensile strength, Camouflage Green #483
Vent Line Material:	Nylon Cord, PIA-C-5040, Type 2, 400# tensile strength, Camouflage Green #483 (See Page 6)
Suspension Line Material:	Nylon Cord, PIA-C-5040, Type 2, 400# tensile strength, Camouflage Green #483, 25' 6" cut length at 10# tension (See Page 6)
Connector Link:	L-bar, PS 22002-1, 3000# proof load
Net Skirt Material:	A-A-55183, Natural, 18" width

1. **Canopy Assembly, P/N 11-1-1501-2: (Cont.)**

Pocket Band Material: PIA-T-1001, 1", Camouflage Green #483, 600# tensile strength

Skirt Hem Material: PIA-T-1001, 1", Camouflage Green #483, 600# tensile strength

Vent Hem Material: PIA-W-5625, 4000# tensile strength, 1", Natural

Canopy Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Size B, E, Natural

2. **Deployment Bag, Without Attached Static Line and Without Break Cord Strap and Pocket, P/N 11-1-6994-1:**

Closing Method: Locking loop and tie

Bag Panel Material: Cotton Sateen Cloth, MIL-C-10296, 9 oz., Camouflage Green #483, 140# tensile warp; 118# tensile strength fill

Stow Loop Material: Cotton Webbing, PIA-W-530, 2", Natural, Type 2, Class I, 585# tensile strength

Main Reinforcing Strap: Nylon Webbing, PIA-W-27265, Type VIII, 1-23/32", Camouflage Green #483, 4000# tensile strength, Class 2, with PIA-C-419, Camouflage Green #483, Cotton cloth covered loop

Cover Panel Reinforcement: Nylon Webbing, PIA-W-4088, Type I, 9/16", Camouflage Green #483, 500# tensile strength, Class 2, Condition U

Tie Loops: Nylon Webbing, PIA-W-4088, Type I, 9/16", Camouflage Green #483, 500# tensile strength, Class 2, Condition U

Locking Loop: Nylon Tape, PIA-T-5038, Type IV, 1", Class 2, Camouflage Green #483, 1000# tensile strength

Binding Type: Cotton Webbing, PIA-W-5661, Type III, 3/4", Camouflage Green #483, 75# tensile strength

Closing Band: Nylon Tape, PIA-T-5038, Type IV, 1", Class 2, Camouflage Green #483, 1000# tensile strength

2. **Deployment Bag, Without Attached Static Line and Without Break Cord Strap and Pocket, P/N 11-1-6994-1 (Cont.):**

Static Line Snap: 11-1-6991, 1750# proof load

Universal Static Line 15';  
Extension Static Line 5' Nylon Webbing Tube Edge, PIA-W-1002, 3/4",  
Yellow, with green marker yarn treated with Dooley,  
Lubricant, 4000# tensile strength

Deployment Bag Stitching: Nylon Thread, V-T-295, Type I/II, Class A, Camouflage  
Green #483, Size E, 3-C, 5-C

3. **Pack Tray, P/N 62J4342:**

Pack Panel Material: Nylon Cloth, PIA-C-7219, Type III, Class 3, Camouflage  
Green #483, 325# warp tensile strength; 275# fill tensile

Stiffener Panel Reinforcement  
Material: Nylon Cloth, PIA-C-3953, Class 2, Treated, Natural,  
1100# tensile strength

Panel Material;  
Static Line Stow Bars: Nylon Tape, PIA-T-5038, Type IV, Class 2, 1",  
Reinforcement Camouflage Green #483, 1000# tensile  
strength

Belt Material: Nylon Webbing, PIA-W-27265, Type VIII, Class 2,  
1-23/32", Camouflage Green #483, 4000# tensile strength

Belt Adapter: PS 22014-3, 1000# proof load

Harness Keeper: Nylon Webbing, PIA-W-27265, Type VI, Class 2, 1-23/32",  
Camouflage Green #483, 2500# tensile strength

Harness Keeper Fasteners: Locking type fasteners, NASM 27983-1, -2, -3 and -4

Harness Keeper Retainer: Nylon Webbing, PIA-W-27265, Type XV11, Class 2, 1",  
Camouflage Green #483, 2500# tensile strength

Static Line Retainer Cotton Elastic, PIA-W-5664, Type 2, Class 1, 1",  
Camouflage Green #483

Retainer Loops Material: Nylon Webbing, PIA-W-27265, Type II, 1-1/4", Camouflage  
Green #483, 800# tensile strength, Class 2

3. **Pack Tray, P/N 62J4342: (Cont.)**

Binding: Nylon Tape, PIA-T-5038, Type III, 3/4", Class 2,  
Camouflage Green #483, 400# tensile strength

Pack Tray Stitching: Nylon Thread, V-T-295, Type I/II, Class A,  
Camouflage Green #483, Size E, 3-C

4. **Harness Assembly, P/N 11-1-2143-1:**

Strap Material: Nylon Webbing, PIA-W-27265, Type XIII, Class 2,  
1-23/32", Camouflage Green #483, 7000# tensile strength

Strap Keeper: Nylon Webbing, PIA-W-27265, Type VIII, Class 2,  
1-23/32", Camouflage Green #483, 4000# tensile strength

Harness Stitching: Nylon Thread, V-T-295, Type I/II, Class A,  
Camouflage Green #483, Size E, 5-C, 6-C

Parachute Ejector Snap: P/N MS 22017, 2500# proof load

Canopy Release: Capewell P/N 100681 (See Page 7)

V Ring w/Tensioner & Spring: P/N PS 27765, 2500# proof load

Adapter w/Tensioner & Spring: P/N PS 70124-1; 2500# proof load

"D" Ring: P/N 11-1-485, 5000# proof load

Triangle Link: P/N PS22020-1, 2500# proof load

5. **Riser Assembly, P/N 11-1-2149-2, 30":**

Strap Material: Nylon Webbing, PIA-W-27265, Type XIII, Class 2,  
1-23/32", Camouflage Green #483, 7000# tensile strength

Keeper Material: Nylon Webbing, PIA-W-27265, Type VIII, Class 2,  
1-23/32", Camouflage Green #483, 4000#, tensile strength

Male Release: P/N 60J4328

5. **Riser Assembly, P/N 11-1-2149-2, 30” (Cont.):**

Riser Stitching: Nylon Thread, V-T-295, Type I/II, Class A  
Camouflage Green #483, Size E, 6-C

Log Pocket Fastener: Locking type fasteners, NASM 27983-1, -2, -3 and -4 Black

**Modifications to T-10D Assembly at Additional Cost as Noted**

1. 35 Ft. canopy can be furnished with Suspension Lines, Vent Lines, Nylon Cord PIA-C-5040, Type II, 400# tensile strength, Class F, Fluorocarbon treated (as required for all United States military contracts) at additional cost
2. Harness, P/N 11-1-2143-1, can be furnished with new Capewell Release, P/N 100681-2 with Stainless Steel Sliders (Cadmium Chromate Plated) (as required for all United States military contracts) at additional cost.

**35 FT. DIAMETER T-10D TROOP BACK PARACHUTE ASSEMBLY**

All T-10C Canopy Assemblies are manufactured using the latest revision of material listed and new U.S. Army material color Camouflage Green #483 in Technical Data.

All T-10C Canopy Assemblies are manufactured in strict accordance with Personnel Parachute U.S. Military Specifications MIL-DTL-6645, MIL-DTL-7567 and MIL-STD-849, latest revisions.

All T-10C Canopy Assemblies are preserved, packaged and packed in accordance with U.S. Military Specifications or customer’s specific packaging instructions.

The T-10 extended skirt parachute was standardized by the U.S. Government as a troop personnel parachute in the early 1950’s, and has been used successfully since that time with relatively few modifications.

The major change to the basic canopy was made in 1976 with the addition of anti-inversion netting to the skirt (old Part Number 11-1-1501 – T-10B). This so improved the reliability of an already very dependable parachute that many canopies already in service were retrofitted with the netting.

The T-10B Canopy was further improved to new version T-10C, Part Number 11-1-1501-2, in November, 1986, by increasing the Pocket Band free length from 4” to 7-1/2” and decreasing the Pocket depth from 5” to 4-1/4”. This change reduced the opening shock by providing a slightly larger diameter at the skirt hem; providing a lower rate of descent and a “softer” landing. All T-10B Canopies in service have now been upgraded to the new Pocket Band length. All T-10C

### **35 FT. DIAMETER T-10D TROOP BACK PARACHUTE ASSEMBLY (Cont.)**

assemblies material color was changed to the new U.S. Army color Camouflage Green #483 in 1995.

An additional change was made to the canopy in 2003 incorporating Fluorocarbon treated suspension and vent lines. This treatment of the nylon cord, Type II, 400# tensile strength protects the cord from collecting dirt and grit from the drop zone and increases the service life of the canopy.

The Pack Assembly P/N 62J4342 was revised in June 1995 by adding one (1) each Static Line Stow Bar to each side of present webbing loops used for stowing the Static Line. These new Stow Bars are used for additional stows at the folded ends of new 15' Universal Static Line with or without the 5' extension line.

When packed for service, the complete assembly weighs approximately 29 pounds. The canopy has a nominal diameter of 35 feet and a projected or inflated diameter of 25.7 feet.

The deployment bag body is made from 9 ounce Camouflage Green #483 cotton sateen, nylon webbing, cotton webbing and cotton tape. The deployment bag was revised in April 2000 to incorporate the new 15' Universal Static Line, P/N 11-1-6993-1; 5' Extension Static Line, P/N 11-1-6993-2; and Snap, P/N 11-1-6991. The 15' Universal Static Line is attached around the deployment bag main strap by the service activity rigger. The snap or the 5' extension line is looped through the opposite end by the service activity rigger depending upon the type of aircraft being used.

The body of the pack tray is made from Camouflage Green #483 nylon pack cloth and the components that are sewn to the body are made from nylon pack cloth and nylon webbing.

The harness assembly is made primarily from Camouflage Green #483, Type XIII nylon webbing. The chest, back, and leg straps permit size adjustments.

Each riser is 30 inches in length with the male fitting of the canopy release permanently attached.

The Capewell lanyard pull release, P/N 100681, or the newer P/N 100681-2 Stainless Steel Slider (Cadmium Chromate Plated) for the canopy risers is incorporated as a safety feature, and allows quick and reliable release of the canopy when landing under high wind conditions or in the water.