MC1-1C/D Parachute Assembly

Technical Data Sheet

General Information

Part Numbers

MC1-1C Assembly
NSN: 1670-01-262-2359
P/N: 11-1-900-2
Consist of:
Canopy: 11-1-1501-3
Pack: 62J4342
D-Bag: 56D6276
Static Line:55D6481
Harness: 11-1-2143-1
Riser: 11-1-2149-1

MC1-1D Assembly
NSN: 1670-01-487-0777
P/N: 11-1-900-3
Consist of:
Canopy: 11-1-1501-3
Pack: 62J4342
D-Bag: 11-1-6994-1
Harness: 11-1-2143-1
Riser: 11-1-2149-1
Static Line
U/N 15' 11-1-6993-1
U/N 5' Ext: 11-1-6993-2
With Snap: 11-1-6991-1

The MC1-1C maneuverable parachute assembly designed by the United States Army in 1988 from the basic MC1-1B canopy is used primarily for a premeditated jump when a precision soft landing in a small target area is necessary. The basic canopy is the same as the MC1-1B except 1993, 1995, and 1996 drawing changes as noted are incorporated:

- The cloth was changed to 0.5-5.0 CFM porosity, specification PIA-C-44378, Type I
- The old eleven (11) orifice design was revised to seventeen (17) orifices in the same 11 of the 30 gores; three (3) openings on Gore Nos. 4 and 26;
- Orifices are tape reinforced horizontally on Gore Nos. 4 and 26 between upper edge at large orifice and lower edge of new lower small opening;
- Shorter (22') suspension lines are arranged eight (8) lines each instead of seven (7) on the back risers;
- Shorter (25') control lines are used;
- The 11-3/4" length pocket bands are used instead of the old 8-3/4" length;
- All material colors are new U.S. Army color Foliage Green #504;
- Reinforcement zigzag stitching was added for main seams Nos. 6 through 25 (orifice area only) – 30" length about suspension lines;
- Radial tape cut length is now cut 2-1/4" shorter (17') to insure cloth fullness in main seam length.
- A Reinforcement tape was added under each bridle line on inside of canopy – main seam #5 and #6; #25 and #26. Zigzagged stitched reinforcement on the noted main seams was to provide greater tear resistance of the canopy.

These changes create a fast opening canopy with a gliding type descent rate of approximately 4 to 5 feet per second, with more steerability (forward drive) possible.

Difference Between Models

Model	Difference
MC1-1C	Standard configuration that incorporates a low porosity canopy cloth PIA-C-44378.
MC1-1D	Incorporates the new Universal Static Line with Static Line Snap.

All 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

MC1-1C/D Characteristics

Shape	Parabolic
Diameter (nominal)	35 feet (10.7m)
Gore material	1.1 oz. type I, Low Porosity 0-5-5.0 ripstop nylon parachute cloth
Vent line material	Type II nylon cord, PIA-C-5040 400lb (181.8 kg) tensile strength.
No of suspension lines	30
Suspension line material	Type II nylon cord, PIA-C-5040 400lb (181.8 kg) tensile strength
Length of suspension line (connector link to lower lateral band)	22 ft. (6.7m)
Maximum Weight Capacity	360lbs (163kg)
Complete Assembly Weight	29 lbs (13kg)
Steerable	Yes
Maximum Jump Wind Speed	15 mph (13 knots)
Descent Rate (Sea Level)	Avg. 18 ft./sec (5.5 m/s)
Minimum Deployment Altitude	500 ft (152m)
Maximum Deployment Speed	173 mph (150knots)
Turn 360°	8-9 seconds
Forward Thrust	9.5 mph (8knots)
Age Life	16.5 years
Service Life	12 years

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