



MC1-1C/D Parachute Assembly

Technical Data Sheet

General Information

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 Camouflage Green #483;
- 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

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

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 fluorocarbon treated nylon cord, PIA-C-5040 400lb (181.8 kg) tensile strength.
No of suspension lines	30
Suspension line material.....	*Type II fluorocarbon treated nylon cord, PIA-C-5040 400lb (181.8 kg) tensile strength
Length of suspension line (connector link to lower lateral band)..	25 ft. 6 in. (7.8m)
Maximum Weight Capacity.....	360lbs (163kg)
Complete Assembly Weight.....	29 lbs (13kg)
Steerable.....	Yes
Maximum Jump Wind Speed.....	15 mph (13 knots)
Descent Rate.....	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

* Non-Fluorocarbon lines are available *

