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**UNIT MAINTENANCE**  
**MC-4 RAM AIR FREE-FALL PERSONNEL PARACHUTE SYSTEM**  
**SUSPENSION LINE ATTACHING LOOP**

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**THIS TASK COVERS:**

- Repair
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**INITIAL SETUP:****Tools**

Sewing Machine, Double Box-X (Table 1, WP 0015 00)  
Stitch Removal Tool (Item 40, WP 0063 00)

**Personnel Required**

92R (10) Parachute Rigger

**Materials/Parts**

Ink, Marking (Item 25/26, WP 0076 00)  
Thread, Nylon, Size E (Item 43/44, WP 0076 00)

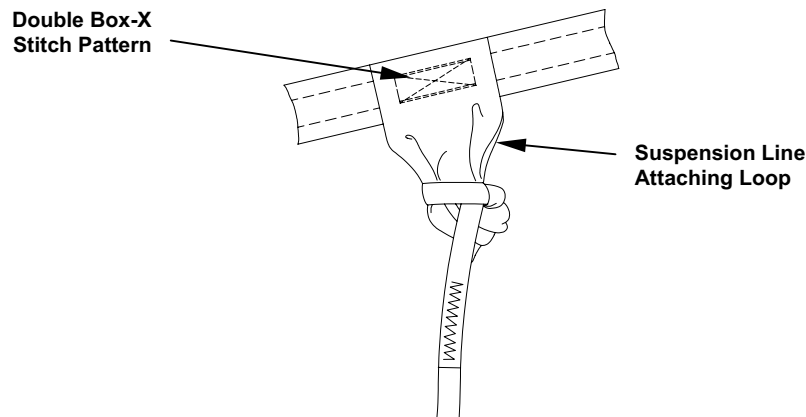
**Equipment Condition**

Lay out on packing table or other suitable area.

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**REPAIR**

1. If loose or broken threads are present, restitch with size E nylon thread in accordance with WP 0015 00.
2. The suspension line-attaching loop may need to be removed and reattached in order to repair a portion of the damaged canopy. Remove and reattach the suspension line attaching loop as follows:
  - a. Using an authorized marking aid of contrasting color, mark the original location of the suspension line-attaching loop using the adjoining loaded rib as a guide to determine where to reattach the suspension line-attaching loop.
  - b. Using the stitch removal tool, carefully remove the suspension line attachment loop from the canopy.
  - c. Repair canopy damage as outlined in the applicable WP.
  - d. Using a double box-X pattern sewing machine, size E nylon thread and 56 stitches per inch, reattach the suspension line-attaching loop over the original stitch pattern location previously marked.



- e. Perform continuity check IAW WP 0005 00 or WP 0006 00

**END OF WORK PACKAGE**