
UNIT MAINTENANCE

MC-4 RAM AIR FREE-FALL PERSONNEL PARACHUTE SYSTEM

HARNESS/CONTAINER

THIS TASK COVERS:

- Repair
 - Replace
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INITIAL SETUP:

Tools

Bit, Drill, $\frac{5}{8}$ -IN., Countersink (Item 3, WP 0063 00)
 Drill, Electric, $\frac{3}{8}$ -IN. Drive (Item 14, WP 0063 00)
 Grommet Setting, Stainless Steel (Item 17/18, WP 0063 00)
 Knife (Item 23, WP 0063 00)
 Needle, Tacking (Item 29, WP 0063 00)
 Sewing Machine, Darning (Table 1, WP 0015 00)
 Sewing Machine, Double Needle (Table 1, WP 0015 00)
 Sewing Machine, Light-Duty (Table 1, WP 0015 00)
 Sewing Machine, Medium-Duty (Table 1, WP 0015 00)
 Sewing Machine, Medium-Duty Zig-zag (Table 1, WP 0015 00)
 Sewing Machine, Zig-zag (Table 1, WP 0015 00)
 Shears (Item 39, WP 0063 00)
 Stitch Removal Tool (Item 40, WP 0063 00)

Equipment Condition

Lay out on packing table or other suitable area. Canopy deployed.

Personnel Required

92R (10) Parachute Rigger

Follow-Up Procedure

Service upon receipt (WP 0004 00)

Materials/Parts

AAD Junction Plate (Item 15, WP 0071 00)
 Cloth, Duck, Textured Nylon, CG (Item 7, WP 0076 00)
 Fastener Tape, Hook, 1-IN. Wide (Item 15, WP 0076 00)
 Fastener Tape, Pile, 1-IN. Wide (Item 16, WP 0076 00)
 Flap Assembly Reserve (Item 26, WP 0071 00)
 Stiffener, Left Flap (Item 18, WP 0071 00)
 Stiffener, Main Bottom Flap (Item 13, WP 0071 00)
 Stiffener, Main Top Flap (Item 14, WP 0071 00)
 Stiffener, Main, Right Flap (Item 17, WP 0071 00)
 Stiffener, Reserve (Item 25, WP 0071 00)
 Tape, Lacing and Tying (Item 33, WP 0076 00)
 Tape, Nylon (Binding), $\frac{3}{4}$ -IN. (Item 37, WP 0076 00)
 Thread, Nylon, Size E (Item 43/44, WP 0076 00)
 Thread, Nylon, Size FF (Item 42, WP 0076 00)
 Webbing, Elastic, 1-IN. (Item 47, WP 0076 00)
 Webbing, Textile, Nylon, Type VII (Item 49, WP 0076 00)

REPAIR

Repair. Patching harness/container.

1. Small holes that are too large for darns can be patched using basic patching procedures as stated in WP 0015 00.
2. All patches are to be applied to the outside of the container.
3. Container fabric to be darned will be in areas of double nylon duck fabric. The damaged area may not exceed $\frac{1}{2}$ -inch and stitching will extend $\frac{1}{4}$ -inch beyond the damage. A maximum of two (2) darns per flap/panel, not closer than 4-inches to each other, is authorized. Accomplish machine darning IAW WP 0015 00 and the above limitations.