



Maintenance Procedure Card

Boat Crew Survival Vest

ITEM 1. BOAT CREW SURVIVAL VEST BUILD UP PROCEDURE

PARTS REQUIRED

Regular size vest	8415 01 432 5893
Large size vest	8415 01 432 5896
Whistle (Fox 40)	8465 21 912 7031
Strobe light (ACR Firefly 3)	Commercial Purchase
Signal mirror	6305 00 105 1252
Personal Locator Beacon	See MPC 583042.0
Survival knife	4220 01 278 3007
Distress Signal Streamer (Optional Item)	4240 01 451 8752
MK-124 Marine Smoke and Illumination	
MK-79 Illumination Signal Kit	

NOTE

MK-124 and MK-79 pyrotechnics can be obtained from group or local servicing armories.

TOOLS REQUIRED

1/2 Inch Stencils (marking pens with black indelible ink may be used in lieu of stenciling)

CONSUMABLES

Black Stencil Ink	7510 00 469 7910
Type I nylon cord	4020 00 240 2154
Hook Tape, 2", Self-Adhesive	Commercial Purchase
Size AA Energizer Battery	EVEE91BP8 EMALL

1. Stencil a locally generated serial number on the right hand pocket flap (marking pens with black indelible ink may be used in lieu of stenciling).
2. Trim to fit a 2 x 3 (1 ¼ x 3) inch piece of hook tape and attach to the Strobe light.
3. With the specified length of Type I nylon cord, (sear the ends to prevent fraying), attach using a bowline followed by an overhand knot.
 - a. Attach the survival knife to the webbing loop inside the knife pocket flap with a 36-inch piece of cord.
 - b. Attach the strobe light to the webbing loop inside the upper right chest pocket with a 36-inch piece of cord.
 - c. Attach the whistle to the webbing loop inside the lower right pocket with a 36-inch piece of cord.



Maintenance Procedure Card

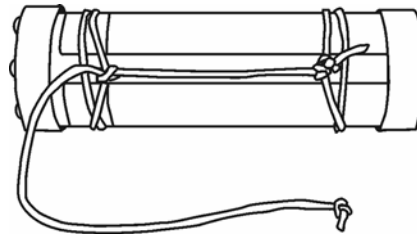
Boat Crew Survival Vest

- d. Attach the PLB to the webbing loop inside the lower left pocket with a 36-inch piece of cord.
- e. Attach the signal mirror to the webbing loop inside the lower right pocket with a 36-inch piece of cord.

WARNING 

**VERIFY THAT THE INSTALLED PYROTECHNICS ARE
CONDITION CODE ALPHA OR CHARLIE.**

- f. Attach a 36-inch piece of cord to the bandoleer of the MK-79 illumination signal kit then to the webbing loop inside the right side pocket.
4. Attach the MK-124 Smoke and Illumination signal as follows.
 - a. Cut an 70 inch piece of Type I nylon cord.
 - b. Sear the ends of the cord and tie an overhand knot $\frac{1}{4}$ inch from the bitter ends.
 - c. Wrap two turns of the cord around one end the MK-124 marine smoke and illumination flare and tie with a surgeons knot followed by an overhand knot. The turns shall overlap and the knots shall be tied snugly against each other.
 - d. Route the cord to the other end and repeat the two turns followed by a surgeon's and overhand knot.



Surgeon's Knot

- e. Attach the MK-124 to the webbing loop inside the lower right pocket with a bowline.
5. Record pyrotechnics lot numbers on the boat crew survival vest maintenance log.
6. Record serial number and date placed in service on boat crew survival vest maintenance log.
7. Perform all steps in Item 2.

ITEM 2. BOAT CREW SURVIVAL VEST SEMI-ANNUAL INSPECTION

TOOLS REQUIRED and CONSUMABLES

See lists in ITEM 1 above.

1. Inspect the vest as follows.
 - a. Inspect vest pockets and casings for cuts, tears, seam separations, and loose stitching.



Maintenance Procedure Card

Boat Crew Survival Vest

- b. Inspect slide fastener for proper operation and security.
- c. Inspect hardware for security of attachment, corrosion, damage, wear, and ease of operation.
- d. Inspect vest markings for legibility. Restore as required.
2. Inspect survival knife for the following.
 - a. Check knife sharpness. Sharpen blade as required.
 - b. Check knife surface for corrosion. Clean minor corrosion with fine steel wool or fine wire brush.
 - c. Check lanyard security and reinstall knife in pocket.
3. Inspect strobe light for the following
 - a. Obvious defects.
 - b. Check the security of the hook tape. Repair/Replace as required.
 - c. Remove and discard old batteries IAW local procedures.
 - d. Install new batteries. Do not over compress the gasket.
 - e. Activate the light and measure the flash rate. It shall be between 50 to 70 flashes per minute.
 - f. Replace lights that are broken or that do not flash at the desired rate
 - g. Check lanyard security and install in equipment pocket.
4. Inspect whistle.
 - a. Inspect whistle for seam separation and cracks. Damaged or defective whistles shall be replaced.
 - b. Blow whistle normally (regular exhalation); then with forced exhalation. If whistle fails to emit a highly audible sound, replace it
 - c. Wipe whistle
 - d. Check lanyard security and install in equipment pocket.
5. Inspect PLB
 - a. Inspect the PLB IAW MPC 583041.0
 - b. Check lanyard security and install in equipment pocket.
6. Inspect signal mirror.
 - a. Inspect mirror for cracks and legible instructions. Replace as necessary.
 - b. Check lanyard security and install in equipment pocket

WARNING 

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7. Contact group or local servicing armories for the latest information on pyrotechnics lot number reclassifications for the MK-124 and MK-79.
8. Inspect MK-124.
 - a. Inspect the MK-124 IAW the Ordnance Manual. COMDTINST M8000.2 (Series).
 - b. Check lanyard security and install in equipment pocket.
9. Inspect MK-79 kit.
 - a. Inspect the MK-79 IAW the Ordnance Manual. COMDTINST M8000.2 (Series).



Maintenance Procedure Card

Boat Crew Survival Vest

- b. Check launcher at end cap for peen. If missing , peen launcher at end cap
 - c. Check lanyard security and install in equipment pocket.
10. Record date and inspection complied with on the boat crew survival vest maintenance log.



Maintenance Procedure Card

Boat Crew Survival Vest



Contents of the Boat Crew Survival Vest		
Item #	Equipment	Quantity
1	Emergency Signalling Mirror	1
2	Signal Whistle	1
3	Marine Smoke and Illumination Signal	1
4	Illumination Signal Kit	1
5	Distress Signal Light	1
6	Survival Knife	1
7	Personal Locator Beacon (PLB))	1