

**THIS CARD IS MAINTAINED TO PROVIDE PROCEDURAL  
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**CEINUM RA-KB00-018**

**1 BOAT CREW SURVIVAL VEST INSPECT/ACCEPT**

REFERENCES:

MPC KB0040.0

TOOLS/TEST EQUIPMENT:

Stopwatch, P/N: LCD-200, CAGE: 86582, NIIN: 011064303

EXPENDABLES:

Fastener Tape, Hook, 2 in. self adhesive, P/N: A-A-55126, CAGE: 58536, NIIN: 010331734

Mirror, Emergency Signal, P/N: WG0601, CAGE: 4N5D6, NIIN: 001051252

Nylon Cord, Type I, P/N: MIL-C-5040, CAGE: 81349, NIIN: 002402154

Personal Locator Beacon, McMurdo Fastfind Max G, P/N: 85-890-002A, CAGE: U0913, NIIN: 01HS21127

Signal Kit, Personnel Distress, MK-79, NIIN: 008669788, (From Local Servicing Armory)

Signal, Smoke and Illumination, MK-124, NIIN: 010308330, (From Local Servicing Armory)

Strobe Light, P/N: 316, CAGE: 64249, NIIN: 014831944

Survival Knife and Sheath, P/N: 358, CAGE: 64249, NIIN: 012783007

Whistle, Multi-tone, P/N: ASC FOX40-C-IO, CAGE: 01BJ9, NIIN: 219127031

CONSUMABLES:

Battery, Energizer, size AA, P/N: EVEE91BP8, CAGE: 07EH5 (2)

Marker, Permanent, P/N: 7520-00-973-1059, CAGE: 83421, NIIN: 009731059

Tape, Pressure Sensitive Adhesive, P/N: 141 2IN., CAGE: 34359, NIIN: 013837967

**A INSPECT SURVIVAL VEST**

1. Apply a locally generated serial number on the right hand pocket flap using permanent marker, P/N: 7520-00-973-1059, (Refer to [Figure 1](#)).
2. Inspect survival vest, (Refer to Step [2 A](#)).

**B INSPECT SIGNAL WHISTLE**

1. Inspect signal whistle, P/N: ASC FOX40-C-IO, (Refer to Steps [2 B 1](#). through [2 B 3](#)).
2. Attach signal whistle to survival vest.
  - a. Sear cut one 36 in. length of Type I nylon cord, P/N: MIL-C-5040.
  - b. Attach one end of the 36 in. Type 1 nylon cord to the signal whistle's split ring using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).
  - c. Attach the opposite end to the webbing loop inside the survival vest right front pocket using a bowline followed by an overhand knot.



## C INSPECT STROBE LIGHT

### WARNING

**USE CAUTION WHEN HANDLING AAA, AA, A, C, D, AND 9 VOLT BATTERIES. DO NOT MIX RECHARGEABLE BATTERIES WITH NON-RECHARGEABLE BATTERIES IN THE SAME EQUIPMENT. DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES. USE ONLY APPROVED BATTERIES AND CHARGER. ALWAYS CHANGE OR CHARGE BATTERIES AWAY FROM EXCESSIVE HEAT, OR OTHER HAZARDOUS CONDITIONS. FAILURE TO COMPLY MAY RESULT IN SERIOUS PERSONAL INJURY.**

1. Install new size AA batteries, P/N: EVEC91BP8, into the strobe light battery compartment.
  - a. Remove battery door retainer.
  - b. Install two AA batteries into the battery compartment.
  - c. Attach battery compartment door.

*NOTE: There is no torque value required, do not over tighten.*

2. Tighten battery door retainer.
3. Cut a 1 1/4 x 3 in. length of self adhesive hook fastener tape, P/N: A-A-55126.

*NOTE: Self adhesive hook fastener tape should be attached to the strobe light on the opposite side of the power switch.*

- a. Attach the hook fastener tape to the strobe light case.
4. Inspect the strobe light, (Refer to Step 2 B 6.).
5. Test strobe light, using a stop watch, (Refer to Step 2 B 8.).
6. Attach strobe light, P/N: 316, to the survival vest as follows:
  - a. Sear cut one 36 in. length of Type 1 nylon cord.
  - b. Attach the 36 in. Type I nylon cord to the strobe light's webbing slot using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).
  - c. Attach the opposite end to the webbing loop inside the survival vest upper right chest pocket using a bowline with an overhand knot.

## D INSPECT PERSONAL LOCATOR BEACON (PLB)

*NOTE: Previously purchased McMurdo Fastfind and Fastfind Plus 406 MHz Personal Locator Beacon's shall remain in service until they are no longer serviceable.*

*NOTE: Personal Locator Beacon should have a 2 x 2 in. section of hook fastener tape attached to the back.*

1. Attach hook fastener tape, if required, (Refer to MPC KB0040.0).
2. Attach PLB to survival vest as follows:
  - a. Sear cut one 36 in. length of Type 1 nylon cord.
  - b. Attach the 36 in. Type I nylon cord to the lanyard attachment eye on the PLB using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).



- c. Attach the opposite end to the webbing loop inside the left pocket using a bowline followed by an overhand knot.

**E INSPECT MK-79 PERSONAL DISTRESS KIT**

1. Inspect MK-79 kit, (Refer to Steps [2 B 16.](#) through [2 B 24.](#)).
2. Attach MK-79 kit to survival vest as follows:
  - a. Sear cut one 36 in. length of Type 1 nylon cord.
  - b. Attach the 36 in. Type 1 nylon cord to the length MK-79 kit bandolier eye using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).
  - c. Attach the opposite end to the webbing loop inside the right side pocket using a bowline followed by an overhand knot.

**F INSPECT MK-124 SMOKE AND ILLUMINATION SIGNAL**

1. Inspect MK-124, (Refer to Steps [2 B 28.](#) through [2 B 30.](#)).
2. Place a length of adhesive tape, P/N: 141 2IN., over the flare instructions and lot number.
3. Attach MK-124 to survival vest as follows:
  - a. Sear cut one 70 in. length of Type 1 nylon cord.
  - b. Attach the 70 in. Type I nylon cord to the MK-124 with two surgeons knot, (Refer to [Figure 3](#)).
    - (1) Tie an overhand knot one quarter inch from the end of the lanyard.
    - (2) Wrap two overlapping turns of cord around the end of the signal flare.
    - (3) Tie with a surgeons knot followed by an overhand knot, position the knots snugly together.
    - (4) Route the remaining cord along the length of the flare to the opposite end.
    - (5) Draw the length of cord between the two ends tight.
    - (6) Wrap two overlapping turns of cord around the opposite end of the signal flare.
    - (7) Tie with a surgeon's knot followed by an overhand knot, position the knots snugly together.
  - c. Attach the opposite end of the Type 1 nylon cord to the webbing loop inside the survival vest right front pocket using a bowline with an overhand knot, (Refer to [Figure 2](#)).

**G INSPECT SIGNAL MIRROR**

1. Inspect signal mirror, P/N: WG0601, (Refer to Step [2 B 33.](#)).
2. Attach signal mirror to survival vest as follows:
  - a. Sear cut a 36 in. length of Type 1 nylon cord
  - b. Attach the 36 in. Type I nylon cord to the signal mirror attachment eye using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).
  - c. Attach the opposite end to the webbing loop inside the right front pocket using a bowline followed by an overhand knot.

**H INSPECT SURVIVAL KNIFE**

1. Inspect survival knife, P/N: 358, (Refer to Step [2 B 36.](#))
2. Attach survival knife to survival vest as follows:
  - a. Attach survival knife sheath inside the survival vest knife pocket.
  - b. Sear cut a 36 in. length of Type 1 nylon cord.



- c. Attach the survival knife sheath to the webbing strap located in the survival knife pocket, (Refer to [Figure 1](#)).
  - d. Attach the 36 in. Type I nylon cord through the eye in the handle of the survival knife using a bowline followed by an overhand knot, (Refer to [Figure 2](#)).
  - e. Attach the opposite end of the Type 1 nylon cord to the webbing loop inside the survival knife pocket using a bowline followed by an overhand knot.
3. Document any discrepancies in the Boat Crew Survival Vest Maintenance Log.



## 2 BOAT CREW SURVIVAL VEST INSPECTION

### REFERENCES:

MPC KB0040.0

NAR – Notice(s) of Ammunition Reclassification

NAVSUP P-801, Ammunition Unserviceable, Suspended and Limited Use, CH 3 and Appendix A

### TOOLS/TEST EQUIPMENT:

Knife Sharpener, P/N: REPRO400, CAGE: 3GZU3, NIIN: 015147779 (If required)

Punch, Center, P/N: B107.48, CAGE: 05047, NIIN: 002933509 (If required)

Sail Needle, P/N: C022, CAGE: 0B590 (If required)

Stopwatch, P/N: LCD-200, CAGE: 86582, NIIN: 011064303

### EXPENDABLES:

Expended MK-80 Flare Cartridge, (Obtain from local servicing armory)

Mirror, Emergency Signal, P/N: WG0601, CAGE: 4N5D6, NIIN: 001051252 (If required)

Nylon Cord, Type I, P/N: MIL-C-5040, CAGE: 81349, NIIN: 002402154 (If required)

Re-closeable Zip Top Bag, Heavy Duty, P/N: RZ4-061-4x6, CAGE: 1PM60 (If required)

Strobe light, P/N: 316, CAGE: 64249, NIIN: 014831944 (If required)

Survival Knife and Sheath, P/N: 358, CAGE: 64249, NIIN: 012783007 (If required)

Vest, High Visibility, P/N: 217-CG (Size: Regular), CAGE: 64249, NIIN: 014325893 (If required)

Vest, High Visibility, P/N: 217-LCG (Size: Large), CAGE: 64249, NIIN: 014325896 (If required)

Whistle, Multi-tone, P/N: ASC FOX40-C-IO, CAGE: 01BJ9, NIIN: 219127031 (If required)

### CONSUMABLES:

Battery, Energizer, size AA, P/N: EVEE91BP8, CAGE: 07EH5 (2)

Cleaner, Lubricant and Preservative (CLP), P/N: 3058220120, CAGE: B0897, NIIN: 010546453

Pad, Scouring, P/N: 7920-00-753-5242, CAGE: 80244, NIIN: 007535242 (If required)

Thread, Nylon, Size E, P/N: V-T-295, CAGE: 81348, NIIN: 005153367 (If required)

Threadlocker, High Strength Loctite 271, P/N: 27121, CAGE: 05972, NIIN: 001489833

Wipes, Disinfectant, P/N: 504, CAGE: 50378, NIIN: 013723078

## A INSPECT BOAT CREW SURVIVAL VEST

1. Check survival vest over its entire surface for the following:
  - a. Cuts.
  - b. Tears.
  - c. Seam separation.
  - d. Loose stitching.
2. Check the attached D-ring for the following:
  - a. Corrosion.
  - b. Damage.
  - c. Security of attachment.
3. Inspect the waist buckle for proper operation.



*NOTE: Survival vests worn during Maritime Law Enforcement shall be free of manufacturer's emblems on the outside and have markings consisting of a three inch (+/- 1/4 in.) diameter Coast Guard Emblem on the left breast, a 2 1/2 x 3 1/2 in. (+/- 1/4 in.) Coast Guard Ensign on the right breast and the words "U.S. COAST GUARD" in 2 1/2 in. (+/- 1/2 in.) black or white block lettering in the center of the back.*

4. Inspect required vest markings for legibility.

*NOTE: Velcro patches or pockets to mesh may be re-stitched using a needle and size E nylon thread, P/N: V-T-295.*

5. Remove Boat Crew Survival Vest from service if any above items are noted.

*NOTE: Survival vest repairs may be covered under warranty.*

- a. Send Boat Crew Survival Vest to repair facility, if repair cost does not exceed the replacement cost.
  - b. Replace Boat Crew Survival Vest, P/N: 217-CG, if repair cost exceeds the replace cost.
6. Inspect unit serial number marking on the upper right chest pocket flap for legibility.
    - a. Restore serial number marking, if required.

## **B INSPECT/TEST SIGNALING DEVICES**

1. Inspect signal whistle for cracks or seam separation.
  - a. Replace signal whistle, P/N: ASC FOX40-X-IO, if it is cracked or has any seam separation.
2. Test signal whistle by blowing through it normally, then with forced exhalation.
  - a. Replace signal whistle if it fails to emit a highly audible sound.

### **WARNING**

**AVOID EYE AND SKIN CONTACT WITH DISINFECTANT TOWEL. KEEP AWAY FROM ALL OXIDIZERS. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY.**

3. Clean signal whistle using a disinfectant wipe, P/N: 504.
4. Inspect whistle lanyard for cuts or frays.
  - a. Replace lanyard if cut or frayed, (Refer to Step 1 B 2.).
5. Inspect security of the whistle lanyard.

*NOTE: Lanyards should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to [Figure 1](#)).*

- a. Ensure lanyard is attached to the whistle with proper knot.
  - b. Ensure lanyard is attached to the survival vest pocket with proper knot.
  - c. Attach whistle to survival vest pocket, if required, (Refer to Step 1 B 2.).
6. Inspect strobe light.
    - a. Inspect the strobe light case for cracks or damage.
      - (1) Replace strobe light, P/N: 316, if it is cracked or damaged.
  7. Replace strobe light batteries.



**WARNING**

**USE CAUTION WHEN HANDLING AAA, AA, A, C, D, AND 9 VOLT BATTERIES. DO NOT MIX RECHARGEABLE BATTERIES WITH NON-RECHARGEABLE BATTERIES IN THE SAME EQUIPMENT. DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES. USE ONLY APPROVED BATTERIES AND CHARGER. ALWAYS CHANGE OR CHARGE BATTERIES AWAY FROM EXCESSIVE HEAT, OR OTHER HAZARDOUS CONDITIONS. FAILURE TO COMPLY MAY RESULT IN SERIOUS PERSONAL INJURY.**

- a. Open battery compartment at the bottom of the strobe light.
- b. Remove batteries from battery compartment.
  - (1) Discard batteries in accordance with local procedure.
  - (2) Install two new size AA batteries, P/N: EVEC91BP8, into the battery compartment.
- c. Attach battery compartment door.

*NOTE: There is no torque value required, do not over tighten.*

- (1) Tighten battery door retainer.
8. Test strobe light.
    - a. Energize strobe light.
    - b. Count the flashes per minute using a stopwatch.
      - (1) Replace strobe light if it fails to emit 50 to 70 flashes per minute.
  9. Inspect attached self adhesive hook fastener tape for the following:
    - a. Missing.
    - b. Worn.
    - c. Peeling.
    - d. Replace hook fastener tape any of the above discrepancies are noted, (Refer to Step 1 C 3.).
  10. Inspect strobe light lanyard for cuts or frays.
    - a. Replace lanyard if cut or frayed, (Refer to Step 1 C 6.).
  11. Inspect security of strobe light lanyard.

*NOTE: Lanyards should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to Figure 1).*

- a. Ensure lanyard is attached to the strobe light with a proper knot.
  - b. Ensure lanyard is attached to the survival vest pocket with a proper knot.
  - c. Attach strobe light to survival vest pocket, if required, (Refer to Step 1 C 6.).
12. Inspect Personal Locator Beacon (PLB) as follows:
    - a. Inspect PLB case for cracks or damage.
      - (1) Replace PLB if cracked or damaged, (Refer to MPC KB0040.0).
  13. Inspect the condition of the attached hook fastener tape.



- a. Replace hook fastener tape, if worn or missing, (Refer to MPC KB0040.0).
14. Inspect PLB lanyard for cuts or frays.
  - a. Replace lanyard, if cut or frayed, (Refer to Step 1 D 2.).

15. Inspect security of PLB lanyard.

*NOTE: Lanyards should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to Figure 1).*

- a. Ensure lanyard is attached to the PLB with a proper knot.
  - b. Ensure lanyard is attached to the survival vest pocket with a proper knot.
  - c. Attach PLB to survival vest pocket, if required, (Refer to Step 1 D 2.).
16. Inspect MK-79 Personnel Distress Signal Kit.

**WARNING**

**UNDER NO CIRCUMSTANCES SHALL UNIT PERSONNEL ATTEMPT TO REPAIR ANY PYROTECHNICS DEEMED TO BE UNSERVICEABLE. ANY ATTEMPT TO REPAIR DAMAGED OR UNSERVICEABLE PYROTECHNICS COULD RESULT IN AN EXPLOSIVE MISHAP, WHICH COULD SEVERELY INJURE OR KILL.**

**WARNING**

**DENTED, DAMAGED, OR CORRODED PYROTECHNICS SHALL NOT BE USED. DENTS OR OTHER IMPERFECTIONS MIGHT RESULT IN VIOLENT ACTION OF THE SIGNAL WHEN FIRED.**

- a. Remove projector and bandolier with instruction card from the plastic bag.
  - b. Inspect plastic bag for tears or deterioration.
    - (1) Replace re-closeable zip top bag, P/N: RZ4-061-4x6, if torn or deteriorated.
17. Inspect MK-80 flares for the following:
    - a. Dents.
    - b. Damaged threads.
    - c. Corrosion.

- (1) Remove light corrosion using a dry, soft rag.

*NOTE: Obtain replacement MK-79 kits: MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

*NOTE: Excessive corrosion is any pitting or case deterioration that may compromise case integrity; corrosion that bridges a case seam or seal; green salts in contact with percussion caps or igniters.*

- d. Replace MK-80 flares, which have dents, damaged threads or excessive corrosion.
- e. Inspect for lot numbers printed on the MK-79 kit and flares, (Refer to Figure 4).

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- (1) Replace MK-79 kit or MK-80 flares which have missing/illegible lot numbers.





**WARNING**

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**WARNING**

**DENTED, DAMAGED, OR CORRODED PYROTECHNICS SHALL NOT BE USED. DENTS OR OTHER IMPERFECTIONS MIGHT RESULT IN VIOLENT ACTION OF THE SIGNAL WHEN FIRED.**

- f. Verify all lot number ammunition condition codes (ACC) with local servicing armory, (Refer to latest NAR's, Notice of Ammunition Reclassification, and NAVSUP P-801).
  - (1) Replace MK-79 kit if the ACC is other than "ALPHA" or "CHARLIE".
  - (2) Replace MK-80 flares if the ACC is other than "ALPHA" or "CHARLIE".
- 18. Inspect MK-79 kit instruction card for legibility.

*NOTE: Photocopies of instructions from another MK-79 kit are acceptable. Ensure the lot number from the original MK-79 kit is printed on the photocopied instructions.*

- a. Replace instruction card, if illegible or deteriorated.
- 19. Inspect MK-31 projector for dents and corrosion.
  - a. Remove light corrosion using a soft, dry rag.

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- b. Replace MK-31 projector if dented or excessively corroded.

**WARNING**

**AVOID EYE AND SKIN CONTACT WITH ADHESIVE. KEEP AWAY FROM ALL OXIDIZERS. USE IN A WELL VENTILATED AREA. WASH EXPOSED SKIN THOROUGHLY AFTER HANDLING. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY.**

- 20. Inspect MK-31 projector trigger screw for security.
  - a. Secure trigger screw using thread lock, P/N: 27121, if loose.
  - b. Check firing pin operability by sliding the trigger screw downward into the projector angular slot.

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- c. Replace MK-31 projector if the trigger screw or firing pin do not move freely.



**WARNING**

**UNDER NO CIRCUMSTANCES SHALL UNIT PERSONNEL ATTEMPT TO REPAIR ANY PYROTECHNICS DEEMED TO BE UNSERVICEABLE. ANY ATTEMPT TO REPAIR DAMAGED OR UNSERVICEABLE PYROTECHNICS COULD RESULT IN AN EXPLOSIVE MISHAP, WHICH COULD SEVERELY INJURE OR KILL.**

**WARNING**

**DENTED, DAMAGED, OR CORRODED PYROTECHNICS SHALL NOT BE USED. DENTS OR OTHER IMPERFECTIONS MIGHT RESULT IN VIOLENT ACTION OF THE SIGNAL WHEN FIRED.**

**WARNING**

**UNDER NO CIRCUMSTANCES SHALL A LIVE MK-80 FLARE BE USED TO VERIFY OPERATION OF THE MK 31 PROJECTOR. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY.**

21. Insert an expended MK-80 flare cartridge into the projector to verify serviceability of the projector threads.

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- a. Replace MK-31 projector if the expended flare cartridge does not thread smoothly into the projector.
22. Check for peen marks located above the projector end cap, (Refer to [Figure 4](#)).
  - a. Place three peens, equally spaced around the projector, one eighth inch above the end cap using a hammer and center punch.

**WARNING**

**AVOID EYE CONTACT, SKIN CONTACT, INHALATION, AND INGESTION WITH LUBRICANT. KEEP AWAY FROM ALL SOURCES OF IGNITION AND OXIDIZERS. USE IN A WELL VENTILATED AREA. WASH EXPOSED SKIN THOROUGHLY AFTER HANDLING. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY.**

23. Lubricate MK-31 projector spring assembly with one drop of lubricant, P/N: 3058220120.

24. Inspect MK-79 kit red plastic bandolier for broken or missing protective tabs.

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- a. Replace bandolier if it has broken or missing protective tabs.
25. Inspect MK-79 kit lanyards for cuts or frays.
  - a. Replace lanyard from bandolier to survival vest pocket if cut or frayed, (Refer to Step [1 E 2](#)).



**WARNING**

**UNDER NO CIRCUMSTANCES SHALL UNIT PERSONNEL ATTEMPT TO REPAIR ANY PYROTECHNICS DEEMED TO BE UNSERVICEABLE. ANY ATTEMPT TO REPAIR DAMAGED OR UNSERVICEABLE PYROTECHNICS COULD RESULT IN AN EXPLOSIVE MISHAP, WHICH COULD SEVERELY INJURE OR KILL.**

**WARNING**

**DENTED, DAMAGED, OR CORRODED PYROTECHNICS SHALL NOT BE USED. DENTS OR OTHER IMPERFECTIONS MIGHT RESULT IN VIOLENT ACTION OF THE SIGNAL WHEN FIRED.**

*NOTE: The projector is attached to the bandolier with a sear cut, 48 inch length of type 1 nylon cord, P/N: MIL-C-5040, secured with a bowline knot followed by an overhand knot at both ends.*

- b. Replace lanyard from bandolier to projector, if required.
26. Inspect security of MK-79 kit lanyards.

*NOTE: Lanyards should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to [Figure 1](#)).*

- a. Ensure lanyard from bandolier to projector is attached with proper knots.
- b. Ensure lanyard from bandolier to survival vest pocket is attached with proper knots.
- c. Attach MK-79 kit to survival vest pocket, if required, (Refer to Step [1 E 2.](#)).

*NOTE: The projector is attached to the bandolier with a sear cut, 48 inch length of type 1 nylon cord, P/N: MIL-C-5040, secured with a bowline knot followed by an overhand knot at both ends.*

- d. Attach projector to bandolier, if required.
27. Place MK79 Kit in the plastic bag.
28. Inspect MK-124 Smoke and Illumination Signal casing for the following:
- a. Dents.
  - b. Bulges.
  - c. Corrosion.
  - d. Remove light corrosion using a soft, dry rag.

*NOTE: Excessive corrosion is any pitting or case deterioration that may compromise case integrity; corrosion that bridges a case seam or seal; green salts in contact with percussion caps or igniters.*

- e. Replace MK-124 if dents, bulges or excessive corrosion is noted.
29. Inspect MK-124 end caps.

*NOTE: Obtain replacement MK-124 flares and end caps from the Local Servicing Armory.*

- a. Replace end caps if missing.



**WARNING**

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**WARNING**

**DENTED, DAMAGED, OR CORRODED PYROTECHNICS SHALL NOT BE USED. DENTS OR OTHER IMPERFECTIONS MIGHT RESULT IN VIOLENT ACTION OF THE SIGNAL WHEN FIRED.**

30. Inspect MK-124 lot number, (Refer to [Figure 4](#)).

*NOTE: Obtain replacement MK-79 kits, MK-31 projectors, MK-80 flares and bandoliers from the Local Servicing Armory.*

- a. Replace MK-124 if lot number is illegible.
- b. Verify lot number ACC with local servicing armory, (Refer to latest NAR (Notice of Ammunition Re-classification), and NAVSUP P-801).

*NOTE: Obtain replacement MK-124 flares and end caps from the Local Servicing Armory.*

- (1) Replace MK-124 if it has a condition code other than "ALPHA" or "CHARLIE".

31. Inspect MK-124 lanyard for cuts or frays.

- a. Replace lanyard if cut or frayed, (Refer to [Step 1 F 3](#)).

32. Inspect security of MK-124 lanyard.

*NOTE: Lanyards should be attached to the MK-124 using two surgeon knots followed by overhand knots. Lanyard should be attached to the survival vest pocket using a bowline knot followed by an overhand knot, (Refer to [Figure 3](#)).*

- a. Ensure lanyard is attached to the MK-124 with a proper knot.
- b. Ensure lanyard is attached to the survival vest pocket with a proper knot.
- c. Attach MK-124 to survival vest pocket, if required, (Refer to [Step 1 F 3](#)).

33. Inspect signal mirror for the following:

- a. Cracks.
- b. Breaks.
- c. Legible instructions.
- d. Replace signal mirror, P/N: WG0601, if it is cracked, broken or has illegible instructions.

34. Inspect signal mirror lanyard for cuts or frays.

- a. Replace lanyard if cut or frayed, (Refer to [Step 1 G 2](#)).

35. Inspect security of signal mirror lanyard.



*NOTE: Lanyard should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to [Figure 1](#)).*

- a. Ensure lanyard is attached to the signal mirror with a proper knot.
  - b. Ensure lanyard is attached to the survival vest pocket with a proper knot.
  - c. Attach signal mirror to survival vest pocket, if required, (Refer to Step [1 G 2](#)).
36. Inspect survival knife for the following:
- a. Cracks.
  - b. Breaks.
  - c. Corrosion.
    - (1) Remove corrosion using a scouring pad, P/N: 7920-00-753-5242.
  - d. Replace survival knife, P/N: 358, if cracked or broken.
37. Sharpen survival knife using a knife sharpener.
- a. Check condition/security of the attached lanyard.
38. Inspect survival knife lanyard for cuts or frays.
- a. Replace lanyard if cut or frayed, (Refer to Step [1 H 2](#)).
39. Inspect security of survival knife lanyard.

*NOTE: Lanyard should be attached to the equipment and survival vest pocket using a bowline knot followed by an overhand knot, (Refer to [Figure 1](#)).*

- a. Ensure lanyard is attached to the survival knife with a proper knot.
  - b. Ensure lanyard is attached to the survival knife pocket with a proper knot.
  - c. Attach survival knife to survival vest knife pocket, if required, (Refer to Step [1 H 2](#)).
40. Document any discrepancies in the Boat Crew Survival Vest Maintenance Log.

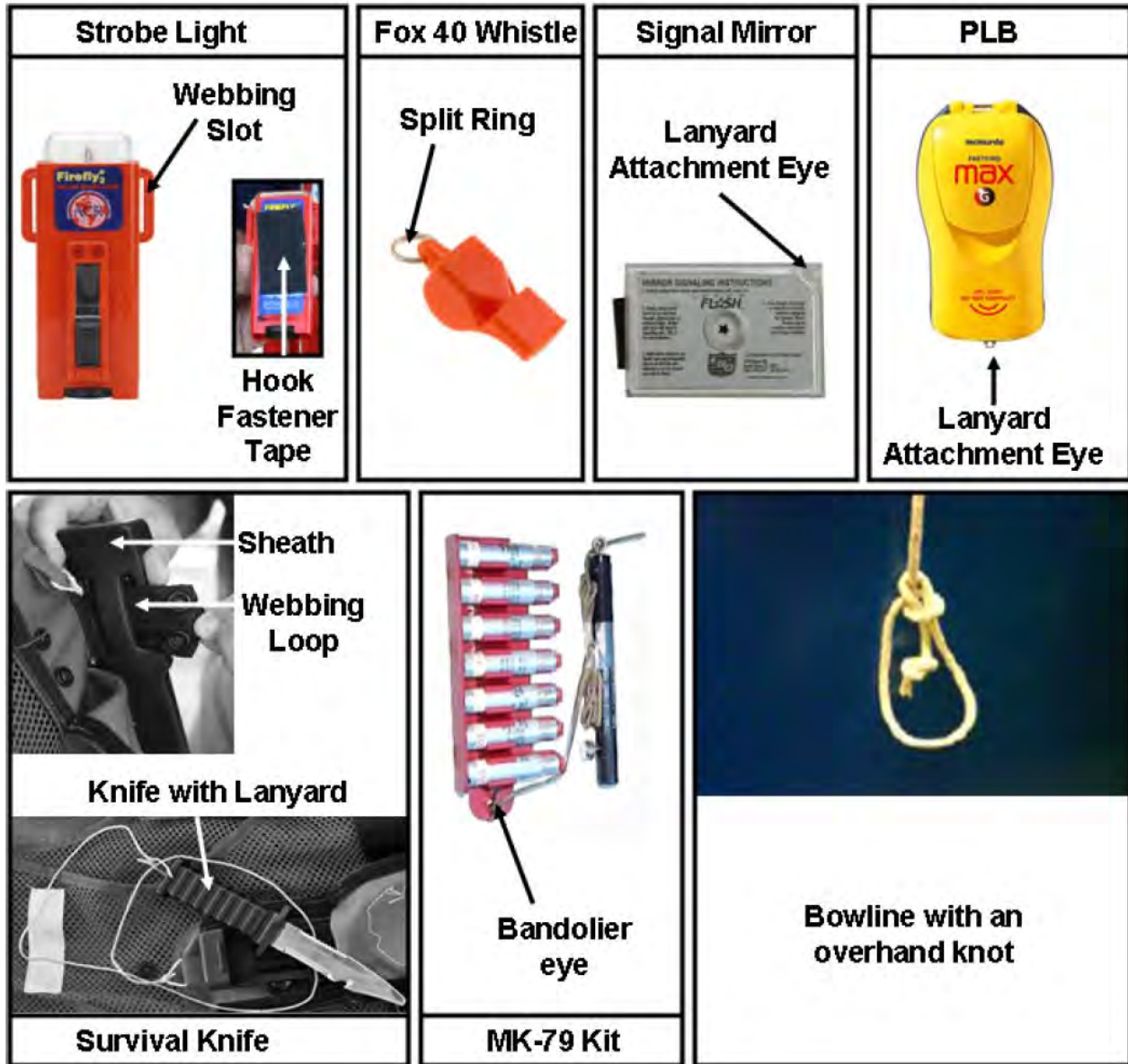




**BOAT CREW SURVIVAL VEST**

**Figure 1**



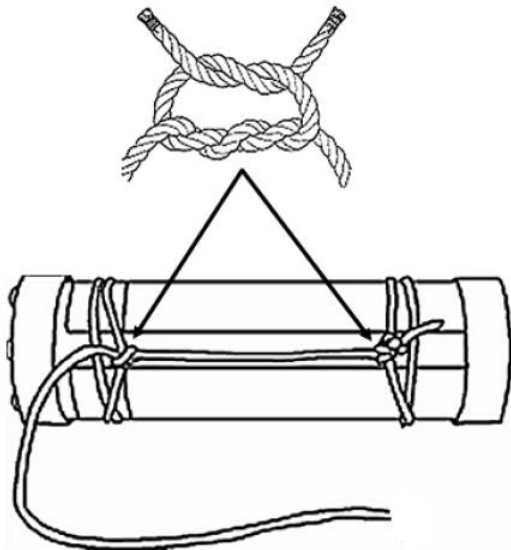


**SURVIVAL EQUIPMENT**

Figure 2



The surgeon's knot is similar to the square knot, except that the first overhand tie is wrapped around the cord or line twice.



Wrap two turns of the cord around one end the MK-124 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.



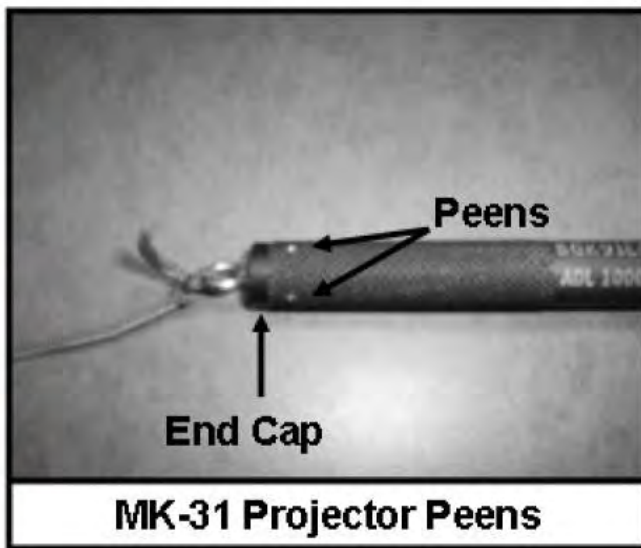
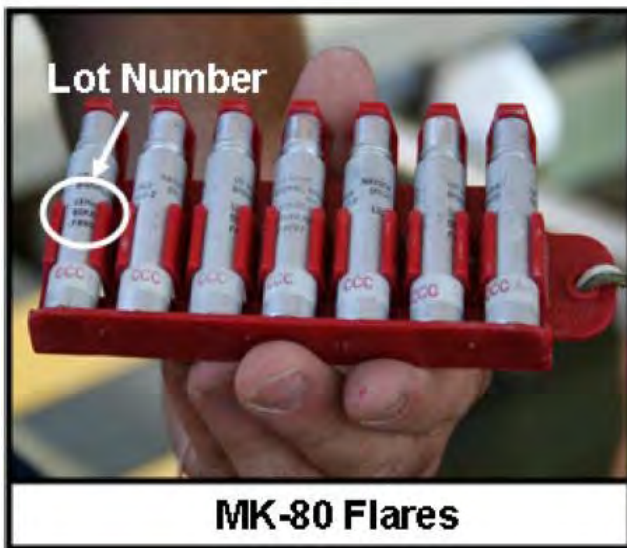
Route the cord to the other end and repeat the two turns followed by a surgeon's and overhand knot.

### SURGEON'S KNOT

Figure 3







**MK79 AND MK 124**  
**Figure 4**

