

District Eleven (North) Auxiliary Operation Training Officer

AUXILIARY ACR PLB Monthly Inspection and Test

For use by Auxiliary members issued ACR PLBs within District Eleven North

Revised Jan 2016

This worksheet is intended to assist Auxiliary members in completing monthly inspections and test of ACR PLB. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs. If you are not comfortable performing the monthly test contact the OTO.

Ref: (a) MPC KBB0040.0 PLB INSP/ACCEPT, 6/30/2015
(b) ACR ResQLink+ Users Manual

1. PLBs must be inspected prior to being placed into service and monthly while in service.

a. Read and understand the ACR ResQLink+ Users Manual before inspecting or testing the PLB.

2. Monthly PLB Inspection:

a. Inspect Velcro strap for the following:

- Wear.
- Security of attachment (refer to Figure 1).

b. Inspect PLB for the following:

- Cracks around screws or antenna.
- Inspect for loose or unstable antenna.

c. Inspect the PLB attachment to the BCSV. The PLB shall be attached to the webbing loop inside the lower left survival vest pocket using a sear cut, 42 inch length of Type I Nylon cord secured with a bowline and overhand knot on each end. Use only cord supplied by the OTO or Coast Guard unit. NOTE: Finished length of line from knot to knot shall be 36-inches or greater.

d. Check battery expiration date markings on the side of the PLB. Notify the OTO if the battery will expire within six (6) months.

e. Check legibility of Member number marking (if applied) on the PLB exterior. Renew if necessary.

f. If any discrepancies are noted remove the PLB from service and contact the OTO.

g. Notify FSO-OP of completed test per your Flotilla's procedures.

3. Monthly PLB self-test warnings and cautions:

- a. Read and understand the attached ACR ResQLink+ users manual.
- b. Conduct self-test within the **first 5 minutes** of any hour.
- c. When inspecting and conducting the monthly test on a PLB it is important to exercise extreme caution so as not to produce an inadvertent activation.

4. Perform self-test:

- a. Test PLB. Test ACR ResQLink+ PLB in accordance with Figure 2.
 - Attempt test procedures again if PLB fails test.
 - If the self test fails remove the PLB from service and contact the OTO.
 - If the self test passes but the battery is less than six months from expiration notify the OTO.
 - Ensure the FSO-OP or designated Flotilla member has been notified per your flotilla's procedures. Some units require monthly tests be reported, other units only require reports of failed tests.

5. Report results of the PLB Inspection and test to the OTO:

- a. Report any discrepancies or PLB failures to the OTO immediately.
- b. Report successful PLB testing and inspection must be logged monthly, or at least prior to resuming operations if you have been off the water for longer than a month. The monthly log entry must be recorded in your unit's PPE logs.



Figure 1

1. Unclip the antenna latch from the case.

2. Move the antenna into the upright position.
3. Depress the "TEST" button for one full second.

Light Scheme	Light Meaning
	Self Test Passed
	Self Test Passed (Battery: <24 Hours)
	Self Test Fail
	Self Test Fail (Battery: <24 Hours)
	Battery Fail

Green Light will flash followed by a Second Long Green Light flash and the strobe light. This indicates a successful Basic Self Test.

If a red LED flashes at the completion of the Self-test, the beacon has failed.

Figure 2

District Eleven (North) Auxiliary Operation Training Officer

AUXILIARY McMurdo PLB Monthly Inspection and Test

For use by Auxiliary members issued McMurdo PLBs within District Eleven North

Revised Nov 2014

This worksheet is intended to assist Auxiliary members in completing monthly inspections and test of McMurdo PLB. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs. If you are not comfortable performing the monthly test contact the OTO.

Ref: (a) MPC RSS583042.0 PLB INSP/ACCEPT, 8/22/2012
(b) McMurdo PLB Users Manual

1. PLBs must be inspected prior to being placed into service and monthly while in service.

a. Read and understand the McMurdo Fastfind Users Manual before inspecting or testing the PLB.

2. Monthly McMurdo Fastfind/Plus/Max-G PLB Inspection:

a. Inspect PLB case for the following:

- Cracks
- Damage

b. Inspect lanyard securing tag for cracks and damage:

- Contact OTO for replacement lanyard securing tag, if required.

c. Check battery expiration date markings on the back of PLB battery cover.

- Contact OTO if battery is expired or will expire within the next 60 days.
- Restore expiration date using marker, if faded or missing.

d. Check hook fastener tape installed on the back of the battery cover for the following:

- Wear.
- Security of attachment.
- Replace hook fastener tape, if required. OTO can provide.

e. Check legibility of field number marking on PLB exterior, restore if needed.

f. Inspect the PLB attachment to the BCSV. The PLB shall be attached to the webbing loop inside the lower left survival vest pocket using a sear cut, 42 inch length of Type I Nylon cord secured with a bowline and overhand knot on each end. Use only cord supplied by the OTO or Coast Guard unit. NOTE: Finished length of line from knot to knot shall be 36-inches or greater.

g. If any discrepancies are noted remove the PLB from service and contact the OTO.

h. Notify FSO-OP of completed test per your Flotilla's procedures.

3. Monthly PLB self-test warnings and cautions:

- a. Read and understand the attached ACR ResQLink+ users manual.
- b. Conduct self-test within the **first 5 minutes** of any hour.
- c. When inspecting and conducting the monthly test on a PLB it is important to exercise extreme caution so as not to produce an inadvertent activation.

4. Perform self-test:

- a. Test PLB. Test McMurdo Fastfin/Plus/Max-G PLB in accordance with Figure 2.
 - Attempt test procedures again if PLB fails test.
 - If the self test fails remove the PLB from service and contact the OTO.
 - If the self test passes but the battery is less than six months from expiration notify the OTO.
 - Ensure the FSO-OP or designated Flotilla member has been notified per your flotilla's procedures. Some units require monthly tests be reported, other units only require reports of failed tests.

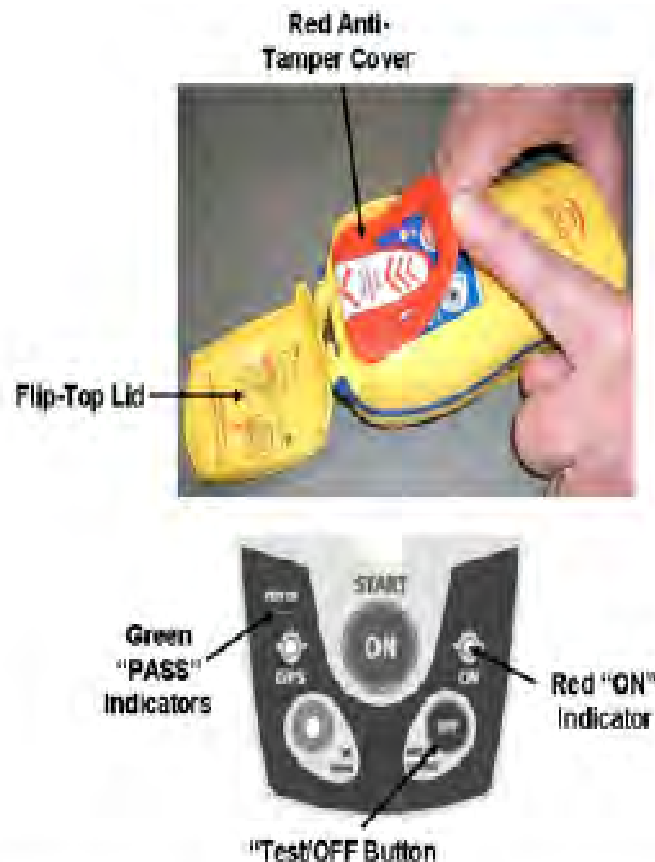
5. Report results of the PLB Inspection and test to the OTO:

- a. Report any discrepancies or PLB failures to the OTO immediately.
- b. Report successful PLB testing and inspection prior to beginning operations each Spring. Reports should be made to the OTO via email. Reports must be made no later than May 1. Include the battery expiration date in the report and the intent to continue monthly testing and inspection while the PLB is in use.



HOOK FASTENER TAPE

Figure 1



1. Open flip-top lid.
2. Slide finger under the handle of the red anti-tamper cover to locate the TEST/OFF button.
3. Press and hold the TEST/OFF button for 10 seconds.
4. Self-Test pass is indicated by illuminated green indicator lights under "TEST OK" along with an audible alarm buzzer.
5. PLB will switch itself off after a successful self test.
6. Test fail is indicated by the three flashes of the red "ON" indicator light.

SELF-TEST (MCMURDO FASTFIND/PLUS/MAX-G)

Figure 2

D11-North Auxiliary Operations Training Officer
AUXILIARY ANTI-EXPOSURE COVERALL SEMI-ANNUAL INSPECTION
Revised March 2016

This job aid is intended to assist Auxiliary Rescue and Survival inspectors. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs to complete semi-annual inspections and test.

Ref: (a) MPC KB0026.0, Standard Issue PPE Acceptance Inspection, 3/15/16.

A. Inspect anti-exposure coveralls:

1. Lay out the coveralls in a clean area free of obstructions.

2. Inspect the coveralls for the following:

Note: Minor re-stitching of the Velcro patches may be complete using thread and sail needle.

- a. Check for cuts, tears, seam separation or loose stitching. Re-stitch coveralls, if necessary, using thread and sail needle.
- b. Check entry/leg zippers for operability.
- c. Check for U. S. Coast Guard Auxiliary markings.
- d. Check condition of installed reflective tape.

3. Remove anti-exposure coveralls from service and contact the OTO if any of the above items are found discrepant.

B. Leak test head pillow as follows:

WARNING

AVOID EYE CONTACT, INHALATION, AND PROLONGED SKIN CONTACT WITH LEAK TEST COMPOUND. USE IN A WELL VENTILATED AREA. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY.

1. Remove inflatable head pillow bladder from cover.
2. Inflate head pillow through the oral inflation tube until firm.
3. Apply leak test compound provided by the OTO to the entire head pillow surface.
4. Inspect head pillow for signs of leakage.
5. Remove anti-exposure coveralls from service and contact the OTO if the head pillow is leakage is found.
6. Deflate head pillow through inflation tube.
7. Place deflated head pillow back into cover.
8. Ensure oral inflation tube is pulled out, readily accessible.

C. Clean Anti-Exposure Coveralls:

Caution:

**DO NOT DRY ANTI-EXPOSURE COVERALLS USING A MACHINE DRYER,
HEATER OR IRON. HEAT WILL DAMAGE THE SUIT**

1. Clean Anti-Exposure coveralls as follows:

- a. Hand wash the coveralls inside and out using a mild detergent, such as dish soap or Simple Green.
- b. Rinse the coveralls with fresh water.
- c. Hang dry coveralls, recommend drying inside out first, then turning right side out.
- d. Lubricate zippers using paraffin wax.

D. Restore individual serial number marking under the entry zipper cover near the top, if faded or unreadable.

E. Document semi-annual inspection in the PPE Maintenance Log. Notify the OTO of any discrepancies.

D11-North Auxiliary Operations Training Officer
AUXILIARY TYPE III PERSONAL FLOATATION DEVICES SEMI-ANNUAL INSPECTION
Revised March 2016

This worksheet is intended to assist Auxiliary Rescue and Survival inspectors. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs to complete semi-annual inspections and test.

Use this worksheet for Issued Type III PFDs, Float Coats, and Spare/boat PFDs.

Ref: (a) MPC KB0065, Type I or Type III PFD INSP/ACCEPT.
(b) MPC KB0107, Survival Equipment Inspection.
(c) MPC KB0048.0, Boat Crew Survival Vest Inpect/Accept.

A. Inspect Personal Floatation Device in accordance with reference (a).

NOTE: TYPE III. PFD's not worn in conjunction with the Boat Crew Survival Vest shall have a signal whistle and either a strobe light or personal marker light (PML) attached.

1. Inspect PFD:

a. Determine if PFD requires survival equipment attachment.

(1) If the PFD will be always worn with a Boat Crew Survival Vest proceed to Step 4

(1) If the PFD may be worn without Boat Crew Survival Vest proceed to Step 2

2. Attach Survival Equipment in accordance with reference (c) If PFD will not be worn with a Boat Crew Survival Vest (used as a boat spare or loaned to trainees).

a. Attach signal whistle to PFD as follows:

(1) Remove split ring from whistle.

(2) Attach whistle to PFD using a 42-inch length of Type I nylon cord provided by the OTO and secured with a bowline and overhand knot on each end.

b. Clip PML to PFD (if selected VDS).

CAUTION: PMLs shall not be used for PFDs worn when water temperatures are less than 50 degrees.

c. Attach strobe light to PFD using a 42-inch length of Type I nylon cord provided by the OTO and secured with a bowline and overhand knot (if selected VDS).

NOTE: Finished length of line from knot to knot shall be 36-inches or greater.

3. Inspect selected visual distress signal, (Refer to MPC RSS583054.0).
 - a. Inspect signal whistle, (Refer to MPC RSS583054.0).
 - b. Inspect Strobe Light or PML, (Refer to MPC RSS583054.0).
4. Inspect PFD over its entire surface for the following:
 - a. Cuts or tears.
 - b. Seam separation
 - c. Loose stitching.
 - d. Missing or worn reflective tape.
5. Inspect for condition/serviceability of the following PFD securing mechanisms:
 - a. Slide fasteners.
 - b. Attachment buckles.
 - c. Adjustment straps.
6. Inspect attached D-ring for the following:
 - a. Security of attachment.
 - b. Corrosion.
 - c. Damage or wear.
7. Check legibility of U.S. Coast Guard Auxiliary PFD markings.
8. Restore assigned serial number marking if faded or unreadable.
9. Document semi-annual inspection in the PPE Maintenance Log.
10. Remove from service and contact OTO if any discrepancies are noted.

D11-North Auxiliary Operations Training Officer
AUXILIARY BOAT CREW SURVIVAL VEST AND SURVIVAL EQUIPEMENT SEMI-ANNUAL
INSPECTION
Revised March 2016

This worksheet is intended to assist Auxiliary Rescue and Survival inspectors. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs to complete semi-annual inspections and test.

Ref: (a) MPC KB0026.0
(b) MPC KB0107.0
(c) MPC KB0045.0
(d) 131850Z NOV 13 SUBJ: SIRIUS LED STROBE LIGHT P/N 640 AND 642 RECALL

A. INSPECT BOAT CREW SURVIVAL VEST in accordance with reference (a).

1. Check survival vest over its entire surface for the following:
 - a. Cuts or tears.
 - b. Seam separation.
 - c. Loose stitching.
 - d. Missing retro-reflective tape.
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.
4. Inspect required vest markings for Coast Guard Auxiliary marking and legibility.
5. Remove Boat Crew Survival Vest from service if any above discrepancies are noted.
6. Inspect legibility of unit serial number marking on the underside of the upper right chest pocket flap.
 - a. Restore serial number marking, if required.

B. INSPECT ATTACHEMENT OF SURVIVAL EQUIPMENT in accordance with reference (b).

1. Equipment shall be attached to the webbing loop inside the corresponding survival vest pocket using a sear cut, 42 inch length of Type I Nylon cord secured with a bowline and overhand knot on each end. Use only cord supplied by the OTO or Coast Guard unit. NOTE: Finished length of line from knot to knot shall be 36-inches or greater. NOTE: Sirius LED Strobe lights are furnished with a manufacturer installed 42 inch lanyard. The manufacturer installed lanyard is acceptable for use until no longer serviceable.
2. Verify survival equipment is attached in the correct location.
 - a. Signal whistle, (right front pocket).
 - b. Strobe light, (upper right chest pocket).
 - c. Personal Locator Beacon, (left pocket).
 - d. Signal mirror (upper right front pocket).
3. Inspect lanyards attaching all survival equipment to the survival vest for the following:
 - a. Cuts or frays.
 - b. Correct length.
 - c. Security of lanyard attachment to equipment and survival vest.
4. Replace or re-tie lanyards as required. Use only type I Nylon cord provided by the OTO.
5. Attach survival knife sheath to the webbing strap.

C. INSPECT and TEST SURVIVAL EQUIPMENT in accordance with reference (b).

1. Inspect signal mirror
 - a. Inspect mirror for cracks or breaks.
 - b. Inspect signal mirror for legibility of instructions printed on back of mirror.
 - c. Replace signal mirror if it is cracked or broken or if instructions are not legible.
2. Inspect signal whistle
 - a. Ensure whistle is not attached to lanyard with a split ring.
 - b. Inspect signal whistle for cracks or seam separation.
 - c. Replace signal mirror if it is cracked or broken or if instructions are not legible.
 - d. Replace signal whistle if it is cracked or has any seam separation.
3. Test signal whistle
 - a. Test whistle by blowing through it normally, then with forced exhalation.
 - b. Replace whistle if it fails to emit a highly audible sound.

4. Inspect PLB for visible signs of damage.

- a. Perform PLB monthly inspect/test if any damage is noted.
- b. Ensure lanyard is connected to lanyard security tag on PLB.

NOTE: Regular PLB maintenance (inspect/test) is already scheduled and performed using reference (c). The above inspection is to identify any obvious defects.

5. Inspect strobe light.

- a. Inspect the strobe light case for cracks or damage.
- b. Replace strobe light if it is cracked or damaged.
- c. Inspect condition of installed hook fastener tape.
- d. Remove batteries from battery compartment.
- e. Discard batteries in accordance with local procedure.
- f. Check battery compartment for corrosion.
- g. Remove corrosion, if required.
- h. Replace strobe light if severe corrosion is noted.
- i. Install two NEW size AA batteries into the battery compartment.
- j. Tighten battery door retainer hand-tight.
- k. Label battery replacement date on strobe using p-touch or similar label.

IAW ref (d) Strobes displaying signs of acid leakage from batteries, discoloration of the surface inside the lens or failure of the strobe to operate properly shall be removed from service.

6. Test strobe light as follows:

- a. Energize strobe light.
- b. Count the flashes per minute using a stopwatch.
- c. Replace strobe light if it fails to emit 50 to 70 flashes per minute.

7. Inspect survival knife:

- a. Inspect survival knife for corrosion.
- b. Remove corrosion using a scouring pad
- c. Inspect survival knife for cracks or breaks.
- d. Replace survival knife if cracked or broken.
- e. Sharpen the survival knife with knife sharpener if necessary. Do not sharpen the point of the knife.

D. Document semi-annual inspection in the Boat Crew Survival Vest Maintenance Log. Notify the OTO of any discrepancies.

Upper Right Chest Pocket

Survival Knife Pocket



Right Side Pocket

Right Front Pocket

Left Side Pocket



**Serial Number Placement
(Underside of pocket flap)**



Bowline with an Overhand Knot

- 1 Signal Mirror
- 2 Strobe Light
- ~~3 MK 79 Kit~~
- 4 Signal Whistle
- ~~5 MK 124~~

- 6 Survival Knife
- 7 PLB



****Pyrotechnics not carried in Auxiliary Boat Crew Survival Vests****



**Serial Number Placement
(Underside of pocket flap)**



Bowline with an Overhand Knot