

U.S. COAST GUARD
COMPUTERIZED MAINTENANCE SYSTEM

RESCUE AND ASSISTANCE
KB0040.0
REV'D 04/30/22

OPERATING ACTIVITY	MAINTENANCE ACCOMPLISHED			MAINTENANCE DUE		
	DATE			DATE		
	MO	DAY	YEAR	MO	DAY	YEAR
	ZULU DATE			ZULU TIME		
	MO	DAY	YEAR			

SERIAL NUMBER TRACKED ITEM-ALL INFORMATION REQUIRED

ITEM 1	CMS CODE	ACTION	DESCRIPTION	CEINUM
<input type="checkbox"/> DUE	KB0042	INSP/ACCPT	406 PLB	RA-KB00-014

SCHEDULED
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PRIVACY ACT STATEMENT

Authority: 44 U.S.C. 3101; 44 U.S.C. 3534; 5 U.S.C. §552a (e)(3); and Executive Order 9397.
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REMARKS: _____

TECHNICIAN'S SIGNATURE _____
TECHNICIAN'S ID _____

* ASTERISK INDICATES QA REQUIRED	QA									

REFERENCES:
[COMDTINST M10470.10](#) (series) Rescue and Survival Systems Manual

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ITEM 2	CMS CODE	ACTION	DESCRIPTION	CEINUM
<input type="checkbox"/> DUE	KB0041	TEST	406 PLB SELF	RA-KB00-014

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DISCREPANCIES FOUND: NO YES

MAN HOURS: MK ___ DC ___ EM ___ ET ___ IT ___ GM ___ BM ___ FN ___ SN ___ ME ___ OTHER ___

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REFERENCES:

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ITEM 3 <input type="checkbox"/> DUE	CMS CODE	ACTION	DESCRIPTION	CEINUM
	KB0040	REPORT	406 PLB RE-REGISTRATION	RA-KB00-014

SCHEDULED UNSCHEDULED

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DISCREPANCIES FOUND: NO YES

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1 406 PERSONAL LOCATOR BEACON (PLB) INSP/ACCPT

REFERENCES:

MPC [00CEF.1](#)
MPC [KB0156.0](#)

TOOLS/TEST EQUIPMENT:

NONE

EXPENDABLES:

NONE

CONSUMABLES:

Fastener Tape, Hook, P/N: A-A-55126, CAGE: 58536, NIIN: 010331734 (Or equivalent) (If required)
Marker Assortment, Tube Type, P/N: 63630, CAGE: 0X226, NIIN: 012074167 (Or equivalent)

A PRELIMINARY STEPS

NOTE: Previously purchased McMurdo Fastfind, Fastfind Plus, FastFind 220, Fastfind Max-G, ACR ResQLink+, and ACR ResQLink View PLBs shall remain in service as long as they are and remain in serviceable condition. Replacement PLBs shall be the ACR ResQLink 400 PLB, contract number 70Z02320AMNQ07500, when the battery expires or if the PLB is unserviceable.

1. Proceed to Step [1 B](#) for McMurdo Fastfind, Fastfind Plus, and Fastfind Max-G PLB.
2. Proceed to Step [1 C](#) for ACR ResQLink+ PLB.
3. Proceed to Step [1 D](#) for McMurdo Fastfind 220 PLB.
4. Proceed to Step [1 E](#) for ACR ResQLink 400 PLB.

B BUILD UP MCMURDO FASTFIND, FASTFIND PLUS, AND FASTFIND MAX-G PLB

1. Attach hook fastener tape to PLB.
 - a. Cut a 2 x 2 inch length of self-adhesive hook fastener tape, P/N: A-A-55126.
 - b. Attach the hook fastener tape to the PLB battery cover 1/2 to 1 inch above the manufacturer's battery expiration date label, (Refer to [Figure 1](#)).

NOTE: The second battery expiration date is applied as a redundant safety measure.

2. Mark the battery expiration date on the battery cover using marker, P/N: 63630.
3. Complete Steps [2 B 1.](#) through [2 B 12.](#) to perform PLB self-test.
4. Proceed to Step [1 F](#).



C BUILD UP ACR RESQLINK PLB

WARNING

THE VELCRO-TYPE STRAP THAT IS SHIPPED WITH THE RESQLINK+ PLB HAS BEEN KNOWN TO FAIL BY NOT ADHERING PROPERLY TO HELMETS AND BOAT CREW SURVIVAL VESTS. THIS STRAP SHALL NOT BE USED AND BE SUBSEQUENTLY REMOVED PRIOR TO PLACING THE PLB INTO SERVICE. INSTEAD, UNITS SHALL FOLLOW THE STEPS TO ADHERE HOOK FASTENER TAPE DIRECTLY TO THE PLB.

1. Attach hook fastener tape to the PLB.
 - a. Cut a 1-3/4 x 4 inch length of self-adhesive hook fastener tape, P/N: A-A-55126.
 - b. Attach the hook fastener tape to the back of the PLB.
2. Complete Steps [2 C 1.](#) through [2 C 11.](#) to perform PLB self-test.

D BUILD UP MCMURDO FASTFIND 220 PLB

NOTE: Lanyard attachment instructions are contained in the applicable PFD/vest MPC.

1. Remove manufacturer's lanyard from PLB.
2. Place PLB into buoyancy pouch.
3. Complete Steps [2 D 1.](#) through [2 D 8.c.\(4\)](#) to perform PLB self-test.
4. Perform GPS test, (Comply with MPC [KB0156.0](#)).

E BUILD UP ACR RESQLINK 400 PLB

1. Attach hook fastener tape to the PLB.
 - a. Cut a 2 x 4-1/2 inch length of self-adhesive hook fastener tape, P/N: A-A-55126.
 - b. Attach the hook fastener tape to the back of the PLB.
2. Complete Steps [2 E 1.](#) through [2 E 9.d.\(3\)](#) to perform PLB self-test.

F REGISTER PLB (MILITARY)

NOTE: The primary means for beacon registration and update is the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/>. Contact NOAA SARSAT Beacon Registration directly at (888) 212-7283 if any issues are encountered with electronic registration.

1. Register PLB electronically (primary method).
 - a. Log into NOAA beacon registration database system: <https://beaconregistration.noaa.gov/rgdb/>.
 - b. Follow website instructions to access block account or create new registration.
 - c. Enter the 15-digit beacon ID number.

NOTE: Unit name shall begin with "USCG" (i.e., USCG Station (name), USCG TACLET (name), USCG Cutter (name)).

- d. Use the unit's information for "Owner/Operator" fields.



- e. Use the unit's corresponding Sector OPCEN or parent command 24-hour contact information for the "Emergency Contact" fields.

NOTE: Manual registration method shall only be used if unable to register electronically.

2. Register PLB manually (secondary method).

NOTE: Official registration forms are available at <https://beaconregistration.noaa.gov/RGDB/forms>.

- a. Complete a 406 MHz EPIRB registration form, (Refer to [Form 1](#)).
 - b. Mail or fax registration form to address or fax number listed at the top of the form.
3. Affix the registration sticker to the back of the PLB where indicated if PLB is a McMurdo Fastfind 220.
 4. Retain the registration form and registration sticker in unit files for future reference for all other PLB versions.
 5. Proceed to Step [1 H](#).

G REGISTER PLB (USCG AUXILIARY)

NOTE: The primary means for beacon registration and update is the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/>. Contact NOAA SRSAT Beacon Registration directly at (888) 212-7283 if any issues are encountered with electronic registration.

1. Register PLB electronically (primary method).
 - a. Log into NOAA beacon registration database system: <https://beaconregistration.noaa.gov/rgdb/>.
 - b. Follow website instructions to access block account or create new registration.
 - c. Enter the 15-digit beacon ID number.

NOTE: Owner/Operator information will be the member the PLB is assigned to (i.e. Jane W. Smith), E-mail address can be the member's e-mail address or a centralized e-mail address as designated by the District Director of Auxiliary (DIRAUX), (i.e. d14diraux@uscg.mil). Enter all phone numbers where the member may be reached.

- d. Enter the Owner/Operator information corresponding to the person who is being issued the PLB.
- e. Enter General Use Data:
 - (1) Enter usage as "Government-Military".
 - (2) Enter Specific Usage as "Other".
 - (3) Enter "U.S. Coast Guard Auxiliary" in the comment field for "Other".
 - (4) Enter boat or aircraft as appropriate under "Type".
 - (5) Enter the following information in the "Additional Information" section:
 - (a) Facility registration number(s) routinely used.
 - (b) Frequent patrol routes.
 - (c) Location of the facility when not in use.



- f. Enter the following for primary 24-hour emergency contact:

NOTE: Verify information is accurate before entering.

- (1) Order Issuing Authority's corresponding Sector Command Center name and phone number.

- g. Enter the following for alternate 24-hour emergency contact:

NOTE: Verify information is accurate before entering.

- (1) Name of spouse, close relative, or friend who have awareness of the member's activities.

- h. Send PLB information to the District Operations and Training Officer (OTO) for tracking.

NOTE: Effective Spring 2021, Flotilla Rescue and Survival Officers will ensure PLB build-up and issuance is entered in AUXDATA.

- i. Enter build-up and issuance data in AUXDATA.

H ACCEPTANCE

NOTE: Use the manufacturer assigned 15 digit unique beacon ID number as the serial number for the MPC sign-off. Do not use spaces or hyphens.

1. Mark the PLB serial number on the MPC sign-off sheet for Item 1.
2. Assign the beacon a unit generated field number.
3. Mark the field number on the exterior of the PLB using marker.
4. Complete component enrollment form for each PLB to enroll in ACMS, (Comply with MPC [00CEF.1](#)).
5. Notify EO, EPO, or Supervisor of any discrepancies, repairs, or future actions.
6. Record maintenance actions by completing appropriate sign-off and adding any pertinent remarks.



2 MONTHLY 406 PLB SELF-TEST

REFERENCES:

MPC [S00056.0](#)
MPC [S00060.0](#)

TOOLS/TEST EQUIPMENT:

NONE

EXPENDABLES:

NONE

CONSUMABLES:

Buoyancy Pouch, McMurdo Fastfind 220, P/N: 91-063A, CAGE: U0913, NIIN: N/A (If required)
Lanyard Securing Tag, McMurdo, P/N: 85-758, CAGE: U0913, NIIN: N/A (If required)
Marker Assortment, Tube Type, P/N: 63630, CAGE: 0X226, NIIN: 012074167 (Or equivalent) (If required)
Personal Locator Beacon, ACR ResQLink 400, P/N: 2921, CAGE: 569H9, NIIN: N/A (If required)
Top Cap Replacement, McMurdo Fastfind 220, P/N: 91-052-220A, CAGE: U0913, NIIN: N/A (If required)

A PRELIMINARY STEPS

NOTE: Self-tests should only be performed in the first five minutes of any hour.

NOTE: Previously purchased McMurdo Fastfind, Fastfind Plus, FastFind 220, Fastfind Max-G, ACR ResQLink+, and ACR ResQLink View PLBs shall remain in service as long as they are and remain in serviceable condition. Replacement PLBs shall be the ACR ResQLink 400 PLB, contract number 70Z02320AMNQ07500, when the battery expires or if the PLB is unserviceable.

NOTE: Contract information and PLB ordering guide can be found on the Rescue and Survival Systems Program Manager's Portal Page by visiting this link: <https://cg.portal.uscg.mil/units/cg731/SitePages/RnSS%20Contracts.aspx>.

1. Proceed to Step [2 B 1](#). for McMurdo Fastfind, Fastfind Plus, or Fastfind Max-G PLB.
2. Proceed to Step [2 C 1](#). for ACR ResQLink+ PLB.
3. Proceed to Step [2 D 1](#). for McMurdo Fastfind 220 PLB.
4. Proceed to Step [2 E 1](#). for the ACR ResQLink 400 PLB.

B TEST MCMURDO FASTFIND, FASTFIND PLUS, OR FASTFIND MAX-G PLB

1. Inspect PLB case for the following:

NOTE: Surface scratches are acceptable.

- a. Cracks or damage.

NOTE: The only PLB authorized for new purchases is the ACR ResQLink 400 PLB, contract number 70Z02320AMNQ07500.

2. Replace PLB, P/N: 2921, if case is cracked or damaged.
 - a. Change beacon status to "Destroyed" via the beacon registration database system.



3. Inspect lanyard securing tag for cracks or damage.
 - a. Replace lanyard securing tag, P/N: 85-758, (Refer to [Figure 2](#)), (If required).
 - (1) Remove battery-retaining screw.
 - (2) Remove battery.
 - (3) Discard lanyard-securing tag.
 - (4) Install new lanyard-securing tag.
 - (5) Install battery.
 - (6) Install battery-retaining screw.
 - (7) Tighten screw to 36 in-oz.
4. Check battery expiration date markings on the back of the PLB battery cover.
5. Replace PLB if the battery is expired or if it will expire within the next 60 days.
 - a. Change beacon status to "Destroyed" via the beacon registration database system.
6. Check hook fastener tape installed on the battery cover for the following:
 - a. Wear.
 - b. Security of attachment.
7. Complete Steps [1 B 1.](#) through [1 B 1.b.](#) to replace hook fastener tape, (If required).
8. Wash the PLB exterior using freshwater.
9. Wipe the PLB dry using a clean, dry cloth.
10. Check legibility of field number marking on the PLB exterior.
 - a. Restore field number marking using marker, P/N: 63630, (If required).

NOTE: Only self-test in the first five minutes of the hour.

11. Test PLB, (Refer to [Figure 3](#)).
 - a. Open flip-top lid.
 - b. Slide finger under the handle of the red anti-tamper cover to locate the TEST/OFF button.
 - c. Press and hold the TEST/OFF button for 10 seconds.

NOTE: Self-test pass is indicated by illuminated green indicator lights under "TEST OK", along with an audible alarm buzzer. Test fail is indicated by three flashes of the red ON indicator light.

- d. Attempt test procedures again if PLB fails test.
- e. Remove PLB from service for repair if it fails retest.

NOTE: Use the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/> as the primary means of registering and updating beacon status. Contact NOAA SARSAT Beacon Registration directly at (888) 212-7283 for any issues encountered with the database system.

- (1) Deactivate PLB by changing beacon status to "Out of Service" via beacon registration database system prior to shipping.
- (2) Send PLB to manufacturer's authorized facility for evaluation/repair.



NOTE: Perform one of the below steps once PLB is repaired and returned or determined to be non-repairable.

- (3) Repair PLB if repair cost is less than replacement cost.
 - (a) Reactivate repaired PLB by updating the beacon status to normal via beacon registration database system once PLB is returned.
- (4) Replace PLB if non-repairable or if repair cost exceeds replacement cost.
 - (a) Change beacon status to "Destroyed" via the beacon registration database system.

12. Proceed to Step 2 F to complete MPC.

C TEST ACR RESQLINK+ PLB

1. Inspect PLB case for the following:

NOTE: Surface scratches are acceptable.

- a. Cracks or damage.
2. Remove PLB from service if cracks or damage are noted.

NOTE: Use the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/> as the primary means of registering and updating beacon status. Contact NOAA SRSAT Beacon Registration directly at (888) 212-7283 for any issues encountered with the database system.

- a. Deactivate PLB by changing beacon status to "Out of Service" via beacon registration database system prior to shipping.
- b. Send PLB to manufacturer's authorized facility for evaluation/repair.

NOTE: Perform one of the below steps once PLB is repaired and returned or determined to be non-repairable.

- c. Repair PLB if repair cost is less than replacement cost.
 - (1) Reactivate repaired PLB by updating the beacon status to normal via beacon registration database system once PLB is returned.
 - d. Replace PLB if non-repairable or if repair cost exceeds replacement cost.
 - (1) Change beacon status to "Destroyed" via the beacon registration database system.
3. Inspect hook fastener tape strap for the following:
- a. Wear.
 - b. Security of attachment.
4. Complete Steps 1 E 1. through 1 E 1.b. to replace hook fastener tape, (If required).
5. Inspect PLB for the following:
- a. Cracks around screws or antenna.
 - b. Loose or unstable antenna.
6. Complete Steps 2 C 2.a. through 2 C 2.d.(1). to remove PLB from service for repair or replacement if any of the above discrepancies are noted.
7. Wash the PLB exterior using freshwater.
8. Wipe the PLB dry using a clean, dry cloth.



9. Test PLB.
 - a. Unclip the antenna latch from the case, (Refer to [Figure 4](#), part A).
 - b. Move the antenna into the “UPRIGHT” position, (Refer to [Figure 4](#), part B).
 - c. Depress the TEST button for 1 full second, (Refer to [Figure 4](#), part C).
 - d. Check flash pattern against the pattern chart, (Refer to [Figure 4](#), part D).
 - e. Attempt test procedures again if PLB fails test.
10. Complete Steps [2 C 2.a.](#) through [2 C 2.d.\(1\)](#). to remove PLB from service for repair or replacement if any of the above discrepancies are noted.
11. Proceed to Step [2 F](#) to complete MPC.

D TEST MCMURDO FASTFIND 220 PLB

1. Check for presence and condition of buoyancy pouch.
 - a. Replace buoyancy pouch, P/N: 91-063A, if missing or damaged.
2. Inspect Velcro strip on the buoyancy pouch for the following:
 - a. Wear.
 - b. Security of attachment.

NOTE: Check functionality by attaching buoyancy pouch to Velcro on the boat crew helmet.

- c. Proper functionality.
3. Replace buoyancy pouch if Velcro strip is worn beyond repair or does not properly secure to the boat crew helmet.
4. Inspect PLB for the following:

NOTE: Surface scratches are acceptable.

- a. Cracks or damage.
 - b. Perform the following if PLB has cracks or damage:

NOTE: Use the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/> as the primary means of registering and updating beacon status. Contact NOAA SARSAT Beacon Registration directly at (888) 212-7283 for any issues encountered with the database system.

- (1) Deactivate PLB by changing beacon status to “Out of Service” via beacon registration database system prior to shipping.
 - (2) Send PLB to manufacturer’s authorized facility for evaluation/repair.

NOTE: Perform one of the below steps once PLB is repaired and returned or determined to be non-repairable.

- (a) Repair PLB if repair cost is less than replacement cost.
 - 1) Reactivate repaired PLB by updating the beacon status to normal via beacon registration database system once PLB is returned.

NOTE: The only PLB authorized for new purchases is the ACR ResQLink 400 PLB, contract number 70Z02320AMNQ07500.

- (b) Replace PLB, P/N: 2921, if non-repairable or if repair cost exceeds replacement cost.



CAUTION

DO NOT PULL THE RED ANTI-TAMPER TOP CAP DURING INSPECTION OR DURING TESTING. THE RED TOP CAP IS FITTED WITH AN ANTI-TAMPER SEAL WHICH IS BROKEN UPON ACTIVATION OF THE UNIT AND MUST THEN BE REPLACED.

5. Inspect for presence of the red anti-tamper top cap, (Refer to [Figure 5](#)).
 - a. Perform the following if the red top cap is missing:
 - b. Deactivate PLB by changing beacon status to "Out of Service" via beacon registration database.
 - c. Replace red top cap, P/N: 91-052-220A.
6. Wash the PLB exterior using fresh tap water.
7. Wipe the PLB dry using a clean, dry cloth.

NOTE: Only self-test in the first 5 minutes of the hour.

8. Test PLB.
 - a. Determine which version of the Fastfind 220 is being tested by looking at the back of the PLB, (Refer to [Figure 6](#)).
 - (1) Fastfind 220 "A" version will not show the part number on the back and will show "Cat:2 Z421".
 - (a) Proceed to Step [2 D 8.b.](#) to test Fastfind 220 "A" version.
 - (2) Fastfind 220 "A-C" version will show "91-001-220A-C" and "Cat:2 Z423" on the back of the PLB.
 - (a) Proceed to Step [2 D 8.c.](#) to test Fastfind 220 "A-C" version.
 - b. Test Fastfind 220 "A" version.

CAUTION

DO NOT PULL THE RED ANTI-TAMPER TOP CAP DURING INSPECTION OR DURING TESTING. THE RED TOP CAP IS FITTED WITH AN ANTI-TAMPER SEAL WHICH IS BROKEN UPON ACTIVATION OF THE UNIT AND MUST THEN BE REPLACED.

NOTE: The self-test verifies all key functions of the PLB including the remaining battery life and transmitter operation. The TEST button must be pressed hard to activate. If necessary, use a blunt object such as a pencil.

- (1) Press and hold the TEST button until the indicator light flashes once, (Refer to [Figure 7](#)).

NOTE: Two flashes or three flashes indicates successful test.

- (2) Check flash pattern indicating the end of the test and PLB status, (Refer to [Figure 7](#)).
- (3) Complete Steps [2 D 4.b.\(1\)](#). through [2 D 4.b.\(2\)\(b\)](#). to remove PLB from service and repair or replace if a single flash or no flash is indicated.



- c. Test Fastfind 220 A-C version.

CAUTION

DO NOT PULL THE RED ANTI-TAMPER TOP CAP DURING INSPECTION OR DURING TESTING. THE RED TOP CAP IS FITTED WITH AN ANTI-TAMPER SEAL WHICH IS BROKEN UPON ACTIVATION OF THE UNIT AND MUST THEN BE REPLACED.

NOTE: The self-test verifies all key functions of the PLB including the remaining battery life and transmitter operation. The TEST button must be pressed hard to activate. If necessary, use a blunt object such as a pencil.

- (1) Press and hold the TEST button for 3 seconds and release it, the indicator light flashes once after release.
- (2) Watch indicator light, after a few seconds there will be one short flash for 121.5 MHz homing signal transmission and one long flash for 406 MHz test signal transmission.
- (3) Check flash pattern indicating the end of the test and PLB status, (Refer to [Figure 7](#)).
- (4) Complete Steps [2 D 4.b.\(1\)](#). through [2 D 4.b.\(2\)\(b\)](#). to remove PLB from service and repair or replace if a single flash or no flash is indicated.

E TEST ACR RESQLINK 400 PLB

NOTE: Surface scratches are acceptable.

1. Inspect PLB case for cracks or damage.
2. Remove PLB from service if cracks or damage are noted.

NOTE: Use the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/> as the primary means of registering and updating beacon status. Contact NOAA Sarsat Beacon Registration directly at (888) 212-7283 for any issues encountered with the database system.

- a. Deactivate PLB by changing beacon status to "Out of Service" via beacon registration database system prior to shipping.
- b. Send PLB to manufacturer's authorized facility for evaluation/repair.

NOTE: Perform one of the below steps once PLB is repaired and returned or determined to be non-repairable.

- (1) Repair PLB if repair cost is less than replacement cost.
 - (a) Reactivate repaired PLB by updating the beacon status to normal via beacon registration database system once PLB is returned.

NOTE: The only PLB authorized for new purchases is the ACR ResQLink 400 PLB, contract number 70Z02320AMNQ07500.

- (2) Replace PLB if non-repairable or if repair cost exceeds replacement cost.
 - (a) Change beacon status to "Destroyed" via the beacon registration database system.

3. Inspect Velcro strip on the back of the PLB for the following:
 - a. Wear.
 - b. Security of attachment.

4. Complete Steps [1 E 1](#). through [1 E 1.b](#). to replace hook fastener tape, (If required).



5. Inspect PLB for the following:
 - a. Cracks around screws or antenna.
 - b. Loose or unstable antenna.
6. Complete Steps [2 E 2.a.](#) through [2 E 2.b.\(2\)\(a\)](#). to remove PLB from service and repair or replace.
7. Wash the PLB exterior using freshwater.
8. Wipe the PLB dry using a clean, dry cloth.

NOTE: Only self-test in the first 5 minutes of the hour.

9. Test PLB, (Refer to [Figure 8](#)).
 - a. Unclip the antenna from the case.
 - b. Rotate antenna 90° into the "UPRIGHT" position, (Refer to [Figure 8](#), Part B).
 - c. Depress the TEST button for 2-5 seconds, (Refer to [Figure 8](#), Part B).

NOTE: A quick flash of the LED is an indicator that the self-test was initiated. This will always be the first LED flash in the self-test sequence.

NOTE: A green LED will flash to show the start of the self-test and will be followed by 3 green LED flashes (total of 4) and a strobe, indicating a successful self-test. The third green LED flash is an indication that 406 MHz and 121.5 MHz RF was transmitted.

NOTE: Any red LED flash observed in the sequence indicates that the beacon has failed self-test. If the failure remains after re-test, contact ACR Electronics, Inc. or an authorized Battery Replacement Center (BRC) for servicing of your beacon.

NOTE: If the total ON time of the beacon exceeds 2 hours, there will be 3 green LED flashes followed by 2 red LED flashes. While the beacon may still operate normally in a distress situation, ACR strongly recommends you have your battery replaced to ensure that you will have at least 24 hours of battery power in an emergency.

- d. Observe flash sequence.
 - (1) Proceed to Step [2 F](#) if the PLB passes self-test.
 - (2) Repeat Steps [2 E 9.](#) through [2 E 9.d.](#) to re-test if PLB fails self-test.
 - (3) Complete Steps [2 E 2.a.](#) through [2 E 2.b.\(2\)\(a\)](#). to remove PLB from service and repair or replace if self-test fails re-test.

F FINAL STEPS

1. Scrap any PLBs which are determined non-repairable or replaced, (Comply with MPC [S00056.0](#)).
 - a. Change beacon status to "Destroyed" via the beacon registration database system.

NOTE: Do not dispose of PLB batteries in regular trash.
 - b. Dispose of battery in accordance with local municipality's HAZMAT disposal procedures.
 - c. Perform local destruction of beacon after Step [2 F 1.b.](#) is complete.
 - d. Notify District OTO of PLBs removal from service (USCG Auxiliary only).



NOTE: Effective Spring 2021, Flotilla Rescue and Survival Officers will ensure PLB build-up and issuance is entered in AUXDATA.

- e. Enter PLB destruction in AUXDATA (USCG Auxiliary only).
2. Document repair if PLB was sent to manufacturer repair facility and repaired, (Comply with MPC [S00060.0](#)).
3. Notify EO, EPO, or Supervisor of any discrepancies, repairs, or future actions.
4. Record maintenance actions by completing appropriate sign-off and adding pertinent remarks.



3 2 YEAR 406 PLB RE-REGISTRATION REPORT

REFERENCES:

NONE

TOOLS/TEST EQUIPMENT:

NONE

EXPENDABLES:

NONE

CONSUMABLES:

NONE

A RE-REGISTER PLB

NOTE: Use the NOAA beacon registration database system <https://beaconregistration.noaa.gov/rgdb/> as the primary means of registering and updating beacon status. Contact NOAA SRSAT Beacon Registration directly at (888) 212-7283 for any issues encountered with the database system.

1. Re-register PLB electronically (primary method).
 - a. Log into NOAA beacon registration database system: www.beaconregistration.noaa.gov.
 - b. Tag the PLB which is due for renewal.
 - c. Click the UPDATE BEACON button to verify/update information.
 - d. Update any information which is outdated or incorrect.
 - e. Select "Update" after all information is verified or updated.
 - f. Click the RENEW REGISTRATION button to complete renewal.

NOTE: Use manual registration method only if unable to register electronically.

2. Re-register PLB manually (secondary method).

NOTE: Official registration forms are available at <https://beaconregistration.noaa.gov/RGDB/forms>.

- a. Complete a 406 MHz EPIRB registration form, (Refer to [Form 1](#)).
 - b. Mail or fax registration form to address or fax number listed at the top of the form.
3. Retain the registration form and registration sticker in unit files for future reference.
 4. Retain the new registration form and sticker in unit files for future reference when received.
 5. Notify EO, EPO, or Supervisor of any discrepancies, repairs, or future actions.
 6. Record maintenance actions by completing appropriate sign-off and adding any pertinent remarks.

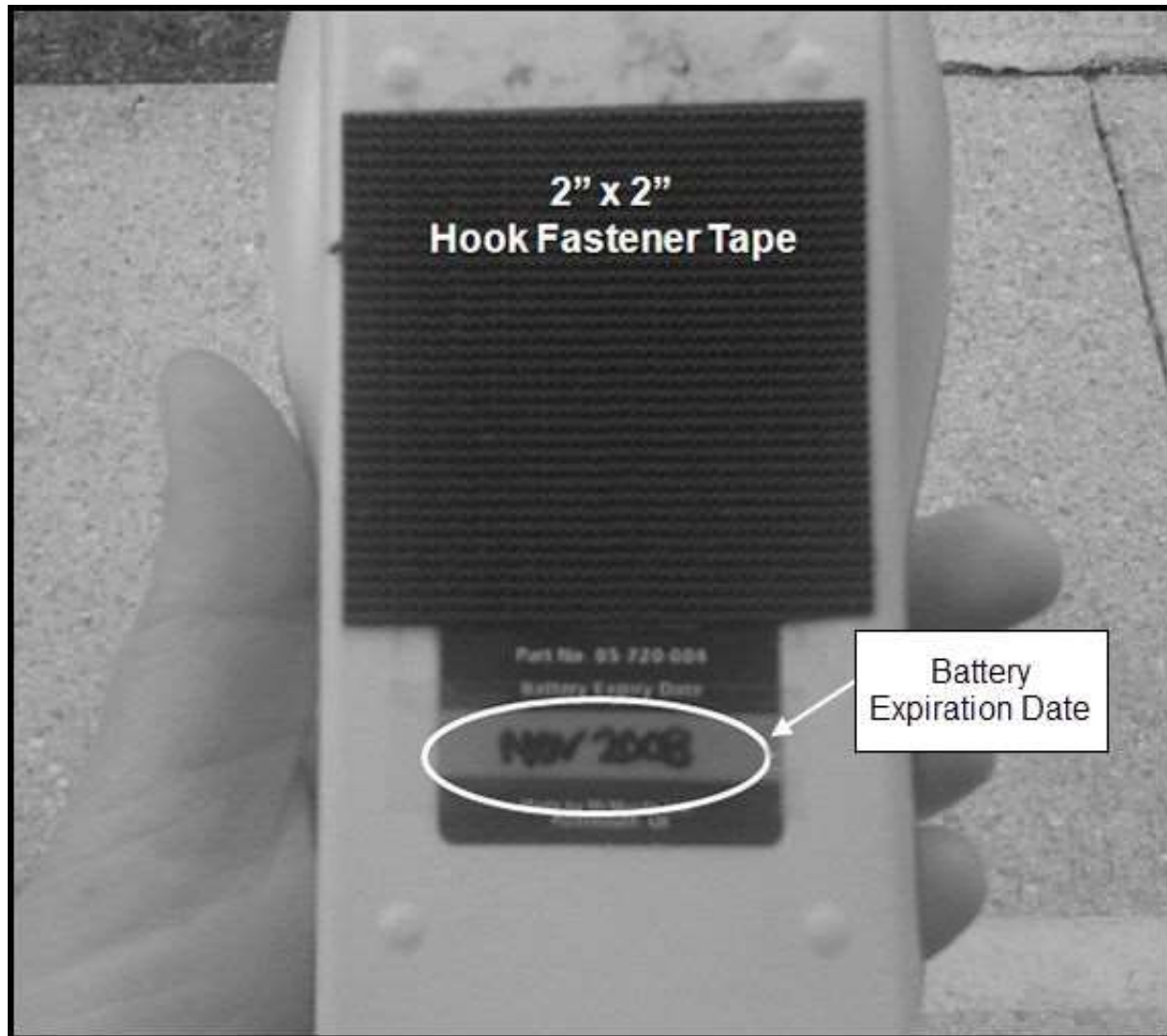


EPIRB REGISTRATION FORM GUIDANCE (MANUAL REG.)

Form 1



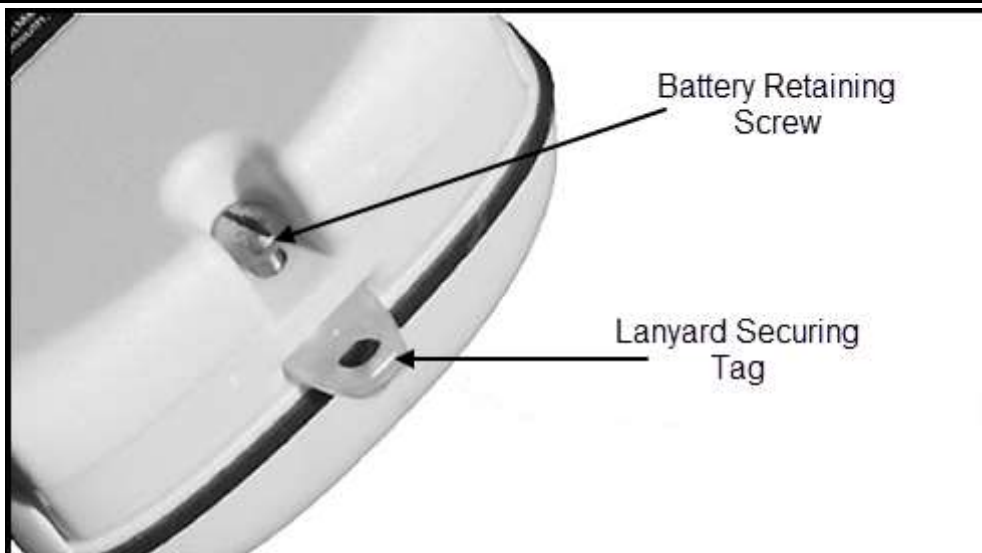
DESTRUCTION NOTICE - Destroy by any method that will prevent disclosure of contents or reconstruction of the document.



HOOK FASTENER TAPE (MCMURDO PLB)

Figure 1



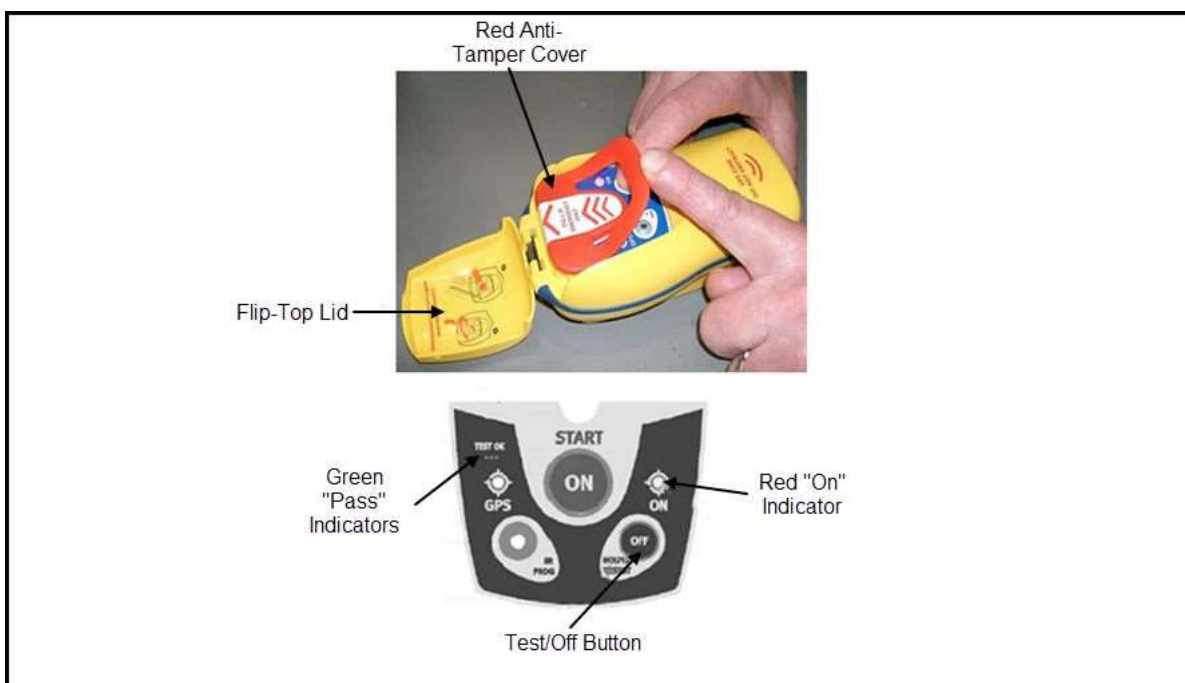


Battery Retaining
Screw

Lanyard Securing
Tag

LANYARD SECURING TAG (FASTFIND PLB)

Figure 2



Red Anti-
Tamper
Cover

Flip-Top Lid

Green
"Pass"
Indicators


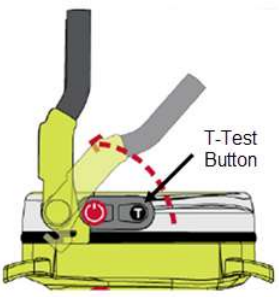
Test/Off Button

Red "On"
Indicator

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

Figure 3



 <p>A</p>	 <p>B, C</p>	<table border="1"> <thead> <tr> <th>Light Scheme</th> <th>Light Meaning</th> </tr> </thead> <tbody> <tr> <td></td> <td>Self Test Passed</td> </tr> <tr> <td></td> <td>Self Test Passed (Battery: <24 Hours)</td> </tr> <tr> <td></td> <td>Self Test Fail</td> </tr> <tr> <td></td> <td>Self Test Fail (Battery: <24 Hours)</td> </tr> <tr> <td></td> <td>Battery Fail</td> </tr> </tbody> </table> <p>D</p>	Light Scheme	Light Meaning		Self Test Passed		Self Test Passed (Battery: <24 Hours)		Self Test Fail		Self Test Fail (Battery: <24 Hours)		Battery Fail
Light Scheme	Light Meaning													
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SELF-TEST (ACR RESQLINK PLB)

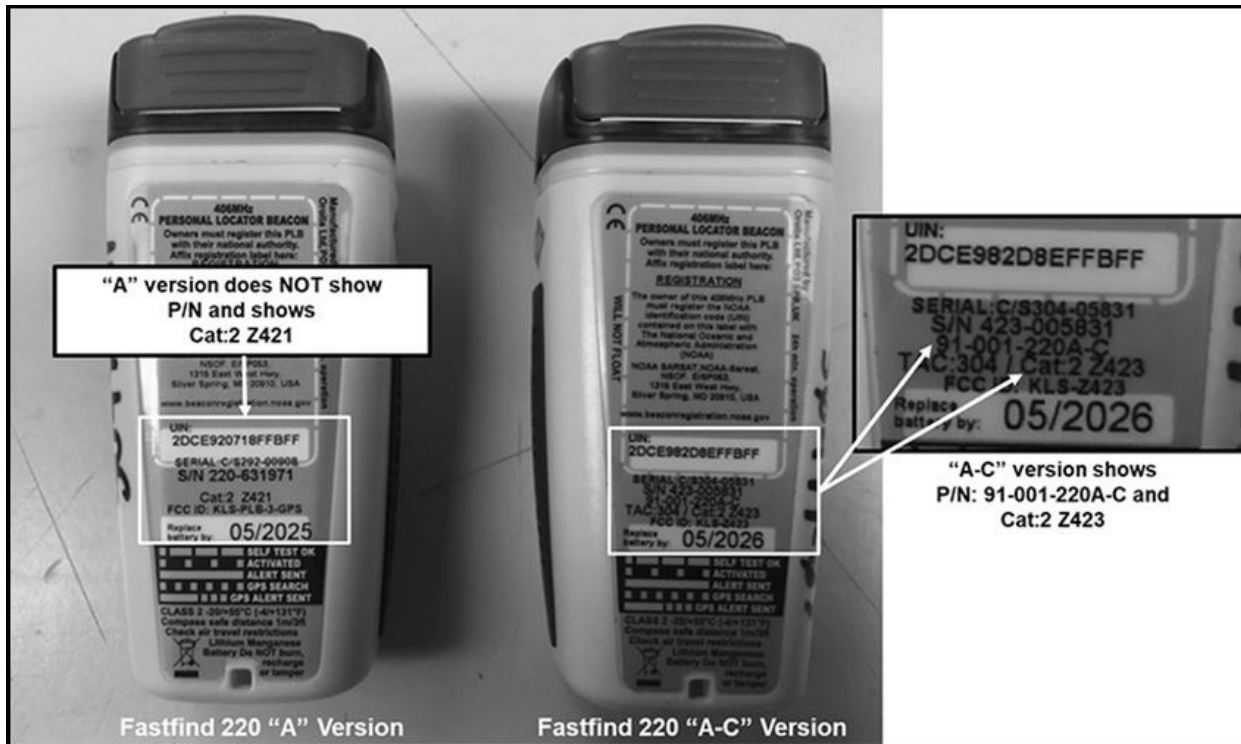
Figure 4



RED ANTI-TAMPER TOP CAP (FASTFIND 220)

Figure 5

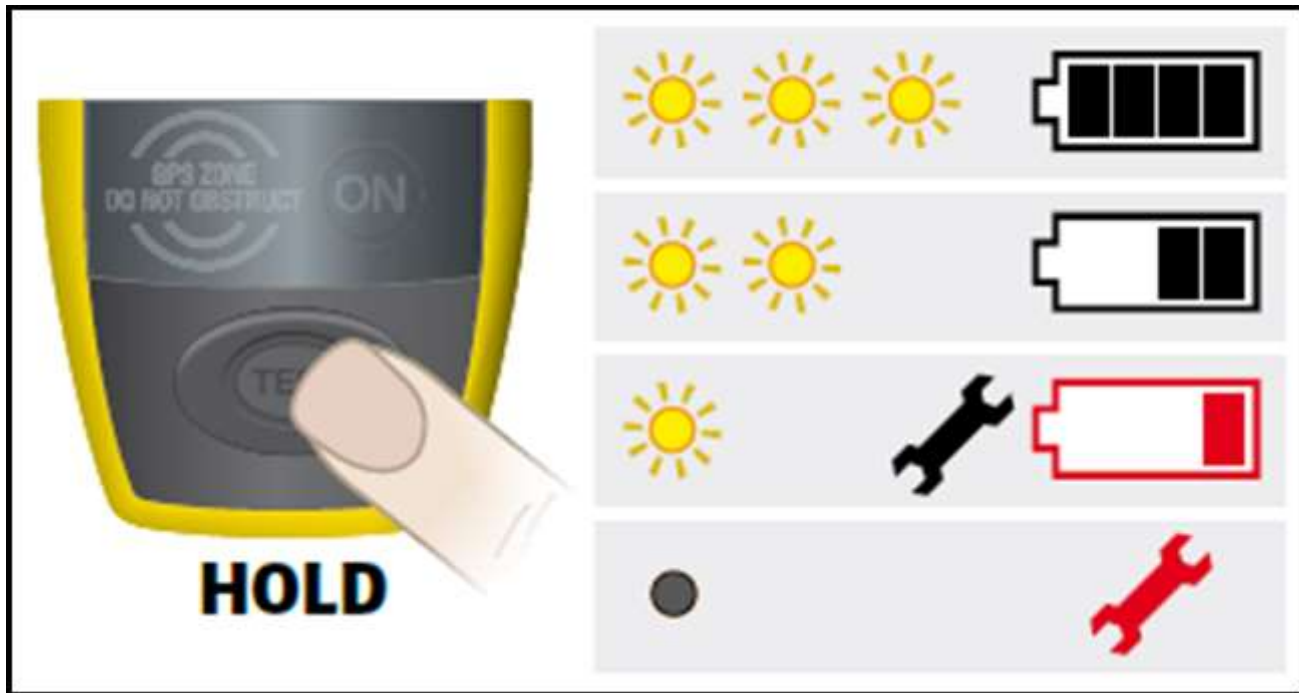




FASTFIND 220 91-001-220 VERSION "A" AND VERSION "A-C"

Figure 6







MCMURDO FASTFIND 220 SELF-TEST

Figure 7



	
	1 Green Flash Indicates Self-Test Initiated
	3 Green + 1 Strobe Flash Indicates Self-Test Successful
	Any Red Flash Indicates Failed Self-Test

ACR RESQLINK 400 PLB SELF-TEST

Figure 8

