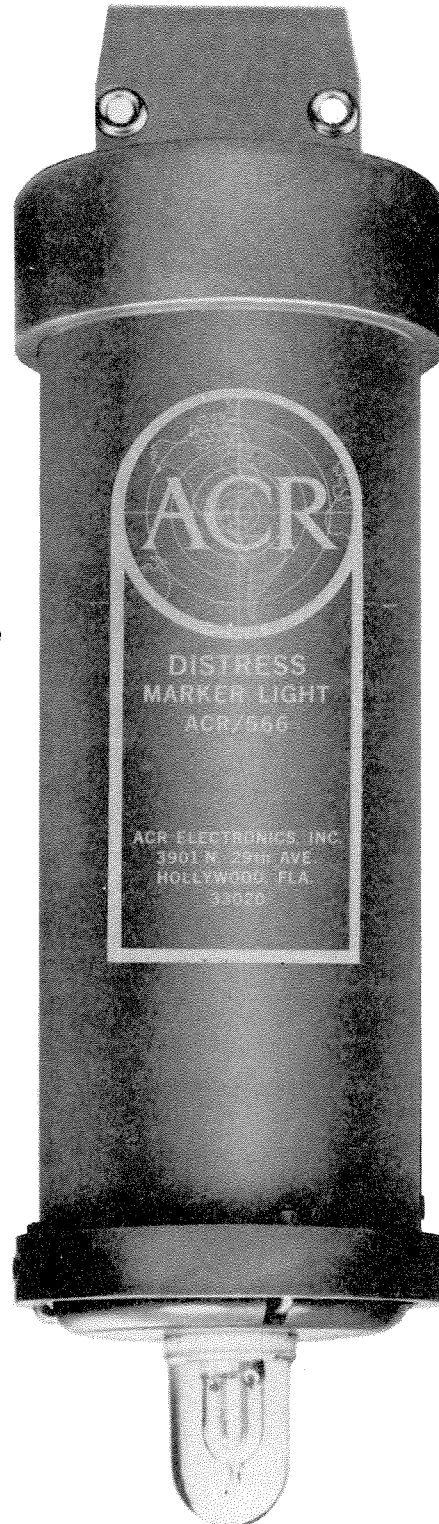




ACR ELECTRONICS INC.

3901 North 29th Ave. • Hollywood, Florida 33020

ACR/566 DISTRESS MARKER LIGHT



SAFETY IS OUR PRIMARY INTEREST

ACR Electronics, Inc. has pioneered in the field of safety and survival equipment. We've built space vehicle strobe lights, submarine marker buoys, emergency transmitters and ultra-reliable Astronaut flashlights.

All ACR/strobe lights have been designed and engineered to meet the severe environmental requirements set forth by various government and civilian agencies.

AUTOMATIC ACTIVATION

The ACR Distress Marker Light is a lightweight, compact, battery operated man overboard light. When dropped overboard, it automatically rights itself and begins flashing. The light is used to mark a position in the water. This type of light is standard equipment in ocean races; a life saver for any boater.

HIGH INTENSITY XENON STROBE

Electronic strobe module produces a high intensity, 360° flashing light visible for several miles. The brilliant flash has the same color temperature as the sun. Its intensity provides greater penetration power in rain, fog, or haze like no conventional light

can. A powerful light that can significantly enhance visual sighting and recovery.

MODULAR CONSTRUCTION

The Distress Marker Light essentially consists of a case, internal ballast and floatation, electronic strobe module with integral end cap, and stainless steel hanging clip.

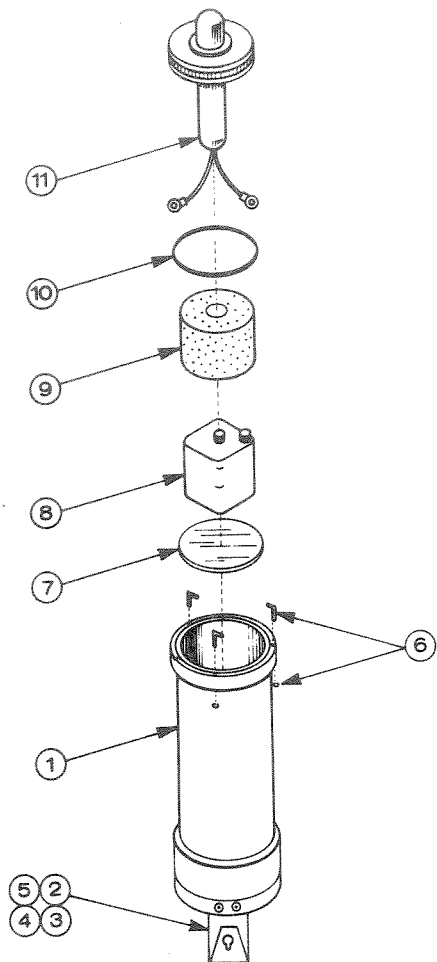
The case made of a tough corrosion resistant plastic will withstand a 150 foot air drop. Watertight integrity is assured by an "O" ring seal between surfaces. A standard 6 volt lantern type battery may be replaced without the need for tools. Three stainless locking swivels provide easy access to the battery compartment.

ONE YEAR LIMITED GUARANTEE

This ACR strobe light is quality engineered for superior service, professional use, fast and easy operation, and exceptional dependability. Rigid quality control standards are inherent in the manufacturing of all ACR products which assure the user an extended period of reliability and performance.

Y1-06-0034 10/81

Specifications Subject To Change



ILLUSTRATED PARTS LIST

1. Case Assembly	A3-06-0588
2. Retainer Clip	A1-05-0585
3. Machine Screw	10-32 x 1/2"
4. Lockwasher	#10
5. Nut	#10-32
6. Locking Swivel	A1-17-0553
7. Battery Pad	A1-18-0773
8. Battery*	Refer to list
9. Foam Spacer	A1-18-0769
10. "O" Ring (Top cap)	A1-05-0001-27
11. Top Cap Assembly (includes strobe module)	A3-06-0584

REPLACEMENT PARTS

Ask your local dealer for these recommended replacement parts or their equivalent.

Battery, Lantern type 6 Volt with screw terminals NEDA #925 or 915.

Eveready 2746N
Mallory M915
Burgess F4BP

Eveready 510S
Bright Star 460S
Ray-O-Vac 942

NOTE:

The strobe principle produces a high intensity flashing light through the use of a xenon gas filled tube ignited or ionized by spurts of very high voltage. Its intensity gives great penetrating power during inclement weather, even through waves and under water. A man overboard in high seas does not see the light directly. He sees it through the water by reflection and is able to swim to the light. In a like manner, the rescue vessel will seek the light to find him. It is also important that, should the vessel return to the light and not find the man, DO NOT PICK UP THE LIGHT. He may only be a short distance away attempting to reach the light, but cannot be seen or heard due to wind and sea action. Remember, a person in the water may see only the light flash; nothing else.

INSTRUCTIONS

The ACR/Distress Marker Light has been designed and engineered specifically to meet the severe environmental and light intensity requirements set forth by various yachting and boating organizations.

ACR Electronics, Inc. has pioneered in the field of safety and survival equipment (emergency lighting, signaling, and transmitting devices); and has developed a complete line of quality boating and yachting equipment.

Rigid quality control standards are inherent in the manufacturing of all ACR products which assure the user an extended period of reliability, superiority, and performance.

The warranty registration card must be completed and returned to ACR to place warranty in effect.

These instructions will help you maintain your ACR/Distress Marker Light in a condition of constant readiness and protect your investment.

BATTERY INSTALLATION

The Distress Marker Light is normally shipped from the factory without a battery. It is necessary to open the ACR/Marker Light case to install the original or replacement battery. Refer to replacement parts for recommended battery.

DISASSEMBLY

This will ordinarily be required only if testing shows that the light is malfunctioning, or if battery replacement is required. Recommended interval: One year for battery replacement.

- A. Place the unit on a flat, firm, surface right side up. Depress the top cap of the unit, by pushing straight down on the top cap assembly, until the swivel locks may be turned outboard, clear of the cap.
- B. Grip the light dome (using a clean cloth or gloves for a better grip on the smooth surface and to avoid marring the dome surface) and pull upwards until the top cap is clear of the case.
- C. Turn the unit on its side, open end slightly downwards, to allow the foam spacer and battery to slide out.
- D. Disconnect the battery by unscrewing the terminals from the battery posts.
- E. Replace the strobe module, if required, as follows:
 1. Remove foam spacer from cap, sliding it off of strobe module.
 2. Slip foam spacer over strobe module to seat against cap surface.
 3. Inspect "O" ring seal for proper fit. Lubricate with silicone grease.
- F. Replace the battery by securing the two terminals to the battery post. Assure tightness.

NOTE: Connect black lead to center (-) post of battery.
Connect Red lead to outer (+) post of battery.

- G. Check for proper operation by holding the top cap assembly vertical (light dome up). The unit should flash about once each second. If the unit does not operate, check for proper battery connection.

ASSEMBLY

Hold the case horizontally and slide the battery in, terminal end up (towards the open end of the case). Insert the foam spacer.

Lubricate the top cap "O" ring with silicone grease and insert the cap into the case.

Place the unit upright, on a firm surface, and press the top cap assembly until the cap slips into the case. Depress the cap until the locking swivels can seat into the provided recesses. Turn the locking swivels, seat them into the cap recesses and remove pressure from the top to allow it to move upwards and lock.

CAUTION: Assure that the locking swivels are properly seated in the cap grooves. Rotate the cap, if necessary, to assure proper seating of the swivels.

MAINTENANCE

The ACR/Marker Light requires no maintenance except for rinsing in fresh water after use in salt water or in other corrosive liquids. This prevents accumulation of residue which may impede the light from radiating properly.

Check the battery every TWO months for corrosion. Change the battery YEARLY to assure full capacity.

Clean the case with rubbing alcohol.

STORAGE

It is advisable to remove the battery when storing your ACR/Marker Light for extended periods. DO NOT permit exhausted batteries to remain in the casing.

OPERATION INSTRUCTIONS

Your ACR/566 is always in the ready position, stowed with the dome assembly down and the mounting clip attached to a lifeline or life ring bracket.

CAUTION: Do not forget to affix the Distress Marker Light to a life ring via a lanyard attachment.

In the event of an emergency situation, do not heave the light or buoy but simply drop the entire rig smoothly over the side of your craft.

***NOTE:** Unit normally shipped from factory without a battery.