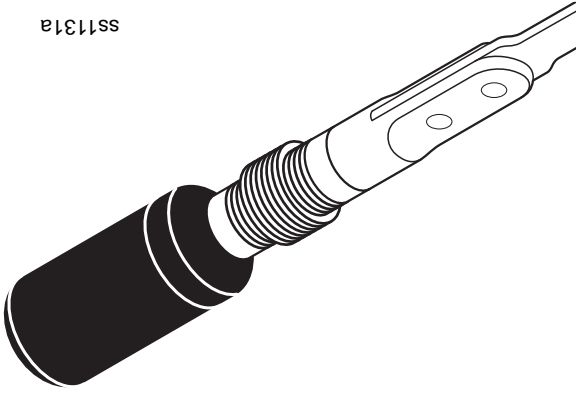




SS1131a



The Subsite® Electronics 11B beacon is designed to trace the path of or locate blockages in non-metallic pipes. The beacon is a watertight transmitter that can maneuver through 90° turns. It also features a flex joint with a stud on one end to make attaching to flexible rod or pull cable easy. These beacons transmit location and depth information to a variety of receivers with 29 kHz beacon option.

11B Beacon

Power

Operating frequency: 29 kHz

Batteries: one “AAA” cell alkaline

Battery life: 14 hours continuous use

Miscellaneous

Storage temperature range:

-22°F (-30°C) to 140°F (60°C)

Operating temperature range:

-4°F (-20°C) to 122°F (50°C)

Flex joint stud size:

3/8” x 16 thread

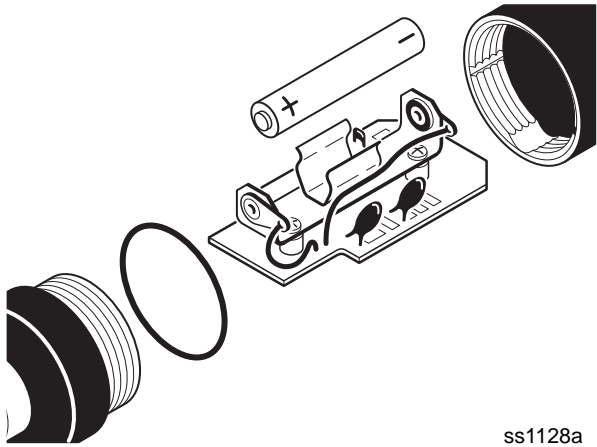
FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by The Charles Machine Works, Inc. could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the operator's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Inspect Components

- Check battery condition with voltmeter prior to using beacon to make sure battery has enough charge to complete the job. Beacon will stop operating when battery charge is at approximately .9 volts DC.
- Check condition of battery holder and align contacts as needed.
- Check for nicks and cuts on o-ring. Prior to installing new o-ring, apply approved o-ring lubricant. Use only approved o-rings (part numbers 155-771 and 157-140) or equivalent.

Install Battery



ss1128a

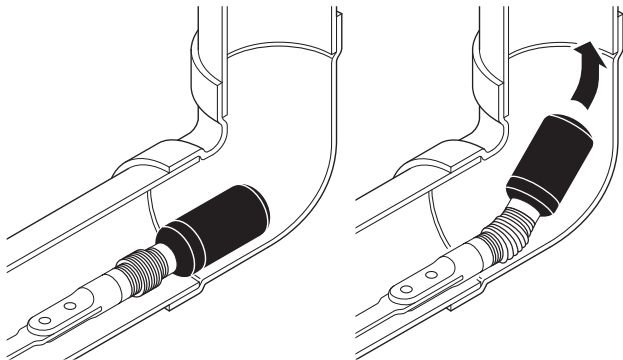
1. Unscrew cap.
2. Remove beacon assembly.
3. Insert one "AAA" cell alkaline battery with positive end toward positive decal on battery clip.
4. Replace beacon assembly.
5. Make sure beacon assembly is aligned with housing slots.
6. Inspect o-ring on cap for nicks and cuts.
7. Hand tighten cap firmly.

Attach Beacon to Flexible Rod

1. Screw flexible rod on beacon flex joint.
2. Insert beacon and rod into pipe.

Beacon will bend around 90° turns as shown.

IMPORTANT: minimum pipe size is 2" (51 mm) PVC drain pipe.



ss1130a

Test Operation

Use a receiver to test beacon function before leaving for jobsite and after every battery change. To test beacon function:

1. Turn on receiver.
2. Adjust to 29 kHz beacon mode.
3. Check display for signs of beacon presence.

Forcing beacon assembly into or out of housing can cause serious damage. If beacon assembly does not slide freely into place, look for problems such as:

- misaligned slots and beacon assembly.
- dirt or corrosion in housing.
- bent or damaged housing.
- bent or damaged beacon assembly.

Clean and Store Components

When finished using beacon,

- thoroughly wash flex rod, flex joint, and beacon housing,
- remove battery and store in beacon case,
- lubricate o-ring,
- dry beacon and store in case.