FCC Statement

This equipment has been tested and found to compy with the limits for a Class B device, pursuant to Part 15 of the FCC rules. These limits are designed to provide resonable protection against harmfull interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded cables and I/O cords must be used for this equipment to comply with the relevant FCC regulations.

Changes or modifications not expressly approved in writing by The Charles Machine Works, Inc. may void the user's authority to operate this equipment.

910 Sonde

The 910 Sonde is designed to trace the path of or locate blockages in cast iron and non-metallic pipes. The sonde is a watertight transmitter that can maneuver through 90° turns in 3 inch (76 mm pipe).

These sondes transmit location and depth information to the Receiver.

Power

Operating frequency: 512 Hz

Batteries: two "AA" alkaline

Battery life: 4-6 hours continuous use @ 70°F (21°C)

Inspect Components

- Check battery condition with voltmeter prior to using sonde to make sure each battery has enough charge to complete the job. Sonde performance will be adversely afftected when total battery charge is at approximately 1.6 volts DC.
- Ensure that both batteries are properly inserted into battery chambers.
- Check for nicks and cuts on o-ring. Prior to installing new o-ring, apply approved o-ring lubricant. Use only Schonstedt o-rings (part numbers S157-116) or equivalent.

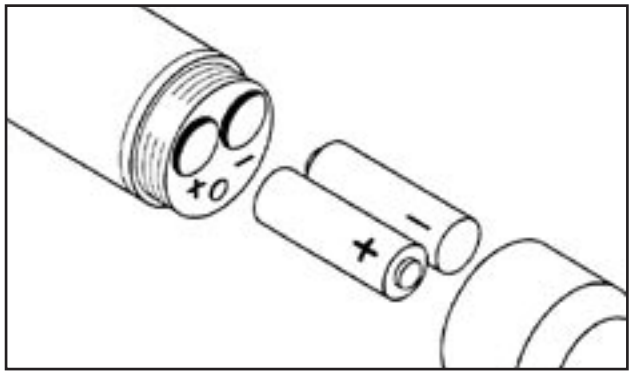
Miscellaneous

Operating temperature range:
32°F (0°C) to 140°F (60°C)

Storage temperature range:
-4°F (-20°C) to 176°F (80°C)

Attachment tread size:
3/8 in x 16 thread

Install Battery



1. Unscrew cap.
2. Insert two “AA” alkaline batteries as shown above.
3. Inspect o-ring for nicks and cuts.
4. Hand tighten cap firmly.

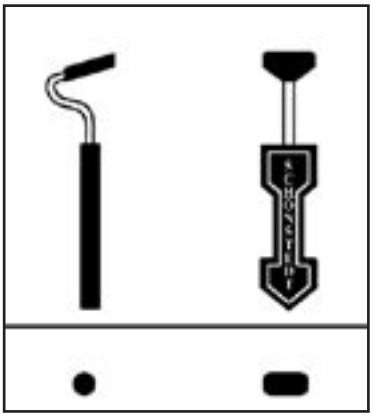
Test Operation

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

1. Turn on receiver.
2. Adjust to 512 Hz sonde mode.
3. Check display for signs of sonde presence.

Operating Tips

- For best results, keep sonde stationary when locating signal.
- To increase sonde signal, try rotating sonde slightly.
- Ensure receiver and sonde are aligned as shown.

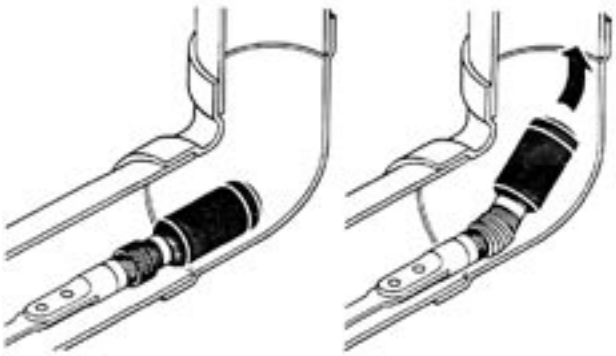


Attach Sonde to Cable or Rod

1. Attach cable or flexible rod to sonde.
2. Insert sonde and cable or rod into pipe.

Sonde will bend around 90° turns as shown.

IMPORTANT: mimimum pipe size is 3 inch (76 mm) drain pipe.



Clean and Store Components

When finished using sonde,

- thoroughly wash cable or flex rod and sonde housing,
- remove batteries and store in sonde case,
- lubricate o-ring,
- dry sonde and store in case.

This unit is covered by one or more of the following patents: #5,850,624; 5,872,703; 5,880,680.