

COINMASTER TR
METAL/MINERAL
DETECTOR

A Message from
Mr. Kenneth White, Sr.
President, White's Electronics

Congratulations! You are now the proud owner of one of the world's finest metal detectors. You'll enjoy the many relaxing hours you'll spend with your new detector.

Ahead of you lie exciting experiences you'll never forget. For years to come you'll have yarns to spin about the places you'll visit, the people you'll meet, the history you'll learn, and the treasures and relics you'll uncover. We envy you your journey and wish you every success.

Before we tell you how to assemble and operate your instrument, however, there are two important points to leave you with:

1. Your new detector is precision-made and has been carefully tested at our factory. Properly cared for, it will last for years and years. Treat it like a good friend and it should never let you down.

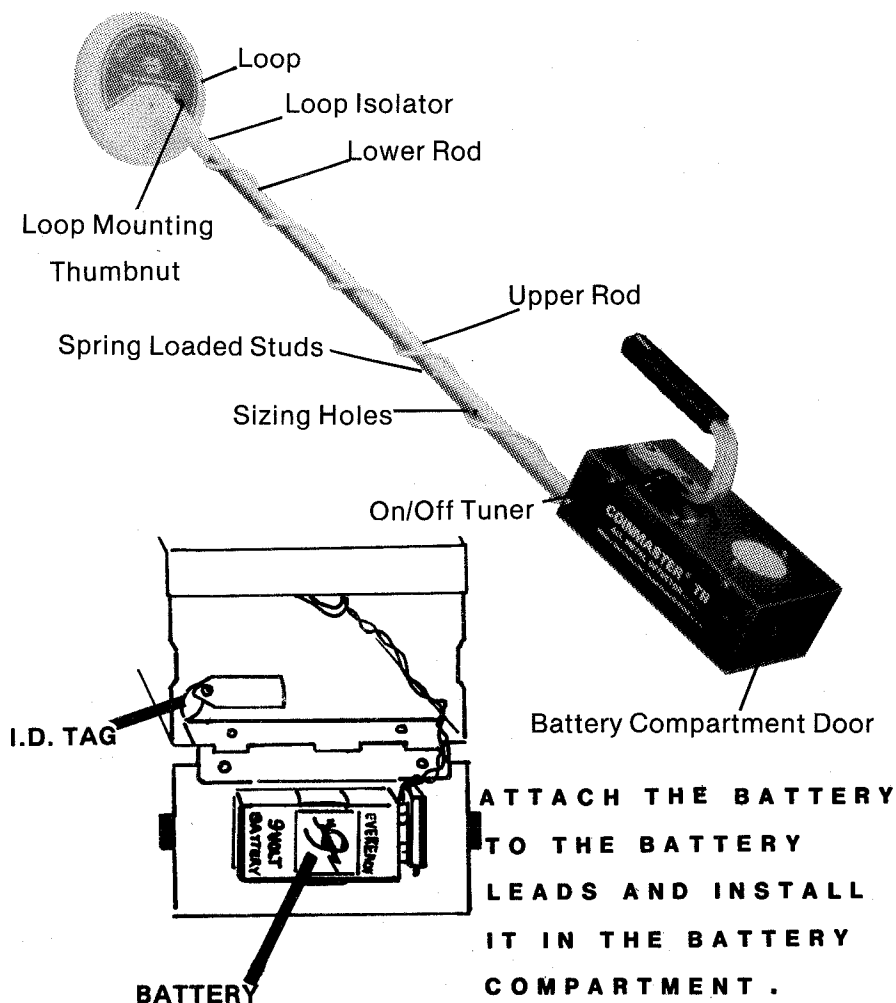
2. Any piece of fine equipment is only as good as the person operating it. Right now your detector is "smarter" than you, so you've got some catching up to do. Become very familiar with your instrument. Practice as much as you can. Soon it will become a part of you.

You and your metal detector will make an outstanding team. We've known many "shooters" who could follow in the tracks of others and find buried coins and rings the others had missed. You've got the equipment to out-shoot most anyone. Now all you need is the practice.

Good Hunting,

Kenneth White, Sr.

FAMILIARIZING YOURSELF WITH YOUR DETECTOR



BATTERIES

The battery is the lifeblood of your detector. Your instrument is powered by one 9-Volt transistor battery. This type is available at drug and grocery stores everywhere. Any brand of battery will work well, although the alkaline energizer will probably last longer. Generally speaking, your battery needs replacing when the volume becomes weak and the instrument loses sensitivity. Prolonged use of your detector will cause a severe drain on your battery. It's best to turn the power off from time to time during a day of "shooting." This gives you a chance to take a break and it gives the battery a rest. In a few minutes both you and your battery will be ready to go again. If you plan to store your detector for several weeks or more, it would be wise to keep the battery in the refrigerator. Doing so, will prolong its life. Also, it's a good idea to carry an extra battery with you on outings.

UNPACKING AND ASSEMBLY INSTRUCTIONS

1. Lower rod section, search loop and loop cable.
2. Upper Rod section, instrument and battery pack.
3. Envelope containing assembly and operating instructions, plus sample coin and bottle cap.

ASSEMBLY

1. Attach the loop assembly to the lower rod by pressing the spring-loaded stud on the isolator, inserting the isolator into the lower rod, and positioning the hole in the rod.

(ILLUSTRATION A.)

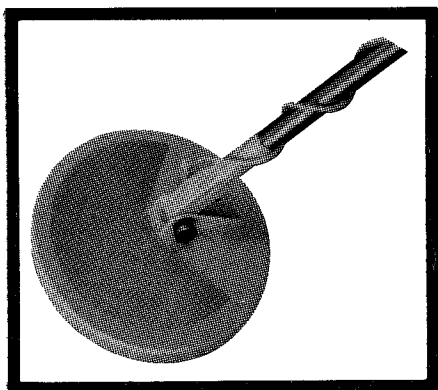


ILLUSTRATION A

2. Attach the lower rod to the upper rod by pressing in the studs and inserting the lower rod into the upper rod. Do not let the studs pop through the holes in the upper rod at this time.

(ILLUSTRATION B).

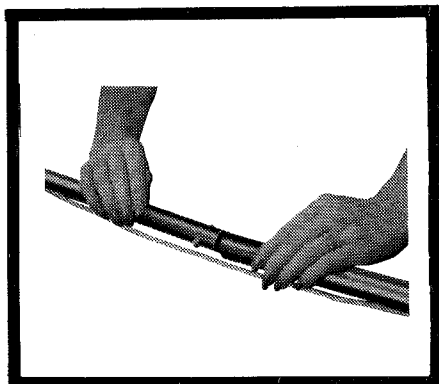


ILLUSTRATION B

3. Wrap the loop cable loosely around the assembled rod by rotating the lower rod two or three times and then let the studs pop through the sizing holes. (ILLUSTRATION C).

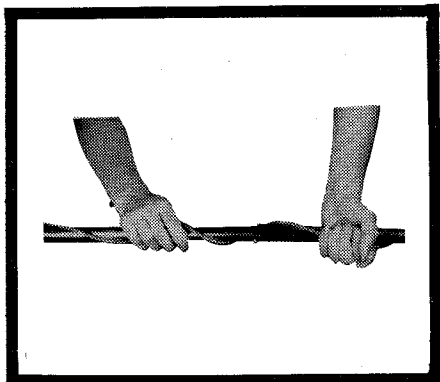


ILLUSTRATION C

HOW TO TUNE YOUR DETECTOR

Your new detector will help you locate buried metal objects. Gold, silver and copper coins, brass, lead and platinum are all metals.

Tuning your instrument properly is extremely important. Read the following instructions carefully and practice them until you can tune your instrument without looking at this manual. One more thing: Always tune your instrument out-of-doors. That way you won't get unwanted interference from metal objects used in the construction of your home.

FOLLOW THESE STEPS TO TUNE YOUR DETECTOR

1. While standing, raise the loop slightly (about $\frac{1}{4}$ " to $\frac{1}{2}$ " inches off the ground and hold it as steady as you can.
2. Now, turn the On/Off Tuner knob to the right (clockwise) until you hear a loud tone coming from the speaker.
3. Back the Tuner off (counter clockwise) until you just hear a faint tone, referred to as the THRESHOLD tone.
4. Keeping the loop close to and level with the ground, make a single sweep. (away from any metal objects) Note, the soils effect on the THRESHOLD setting. Some ground conditions may necessitate slight retuning to maintain THRESHOLD.
5. With your detector now properly tuned, you are ready to search. NOTE: The soft tone you are tuning for should NOT be a MOTORBOAT type of sound. On some units there may be a point on the tuner where you could get a motorboat sound - please continue past this point and ignore the motorboat sound.

LISTEN FOR THE TONE

The tone coming from the speaker of your detector will tell you where objects are located. When you hear a sharp bleep, or an increase in the volume of the tone, the loop is over an object. When the volume decreases, or goes away completely, the loop has passed away from an object. Generally, the volume will be loudest when the center of the loop is directly over an object. An exception to this rule however, is a coin buried on its edge. In this case, the volume will be loudest when the edge of the loop passes over the coin, thus causing the double sound when detected.

SEARCHING WITH YOUR DETECTOR

To locate hidden or buried objects with a properly tuned detector, systematically sweep the loop from side to side across the area you are working. The larger the diameter of your loop, the more area you can cover in a single sweep and the faster you can search an area. For example, with a six-inch loop, you should take three inch steps, moving the loop ahead the same amount after each sweep. For maximum performance when searching, you should always try to keep the loop at a constant level and as close to the ground as possible, following the tuning instructions described earlier in this manual. (ILLUSTRATION D)

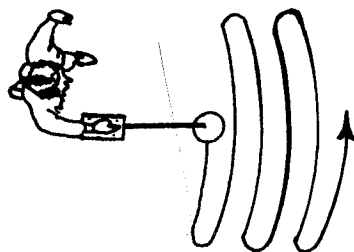


ILLUSTRATION D

WHAT WILL YOUR INSTRUMENT DETECT

Silver, lead, copper, bottle caps, tinfoil, gold, cartridge cases, rings, aluminum foil, brass and tin cans. These are some of the conductive metal objects that will cause a response in your speaker. Your instrument however, will not detect sticks, rags, bones, paper, wood, glass or other non-metallic objects.

The longer a metal object is buried, the better you may be able to detect it. A chemical reaction between such objects as silver or copper coins and the surrounding soil often creates a "halo" effect. This "halo" may cause your detector to register a much larger increase in volume than might otherwise be expected for a small coin. If the "halo" is strong enough, your instrument may continue to register even after you have dug up the coin!

PROPER CARE OF YOUR DETECTOR

1. **CLEANING:** Both the loop and rod are waterproof and can be cleaned with fresh water and a mild cleanser. After cleaning, dry the instrument thoroughly. Caution! Never raise the wet loop above the level of the instrument case. The instrument case is not waterproof and water may run down the rod into the case, damaging the electronic components.
2. **WEATHER CONDITIONS:** Protect your detector from excessively cold weather. Freezing can damage the electronic components, the case and/or the battery. Excessive heat can also damage the instrument. Never leave it in the sun. It's best to lay it in the shade when temporarily not in use. If it's left in a car on a hot day, cover it with a blanket or something similar to protect it from the direct rays of the sun and then leave the windows slightly open to permit ventilation. Needless to say, protect your instrument if you operate it in the rain, as water may get into the instrument case.
3. **SALT WATER:** Salt water is very corrosive! After your detector has been exposed to salt water, rinse it thoroughly in fresh water being careful not to let the loop rise higher than the level of the instrument case. Then wipe it with a cloth dampened with fresh water and dry it thoroughly.
4. **STORAGE:** If you plan to store your instrument for any length of time, unsnap the battery pack, remove it from the instrument. Whenever your instrument is not in use, turn the Power knob all the way to the left until it clicks off.

SOME THOUGHTS ON ETHICS

Treasure hunting is the kind of new hobby that fires the imagination and generates its own enthusiasm. It's the most natural thing in the world to dig as fast as you can the minute you hear that first loud unmistakable signal. It will be a real thrill to discover what treasure is, right beneath your feet!

But stop a minute! Be a little far-sighted and consider the long-run too.

We strongly urge you to adopt a code of ethics which will preserve the environment and also the rights of treasure hunters to operate detectors with as few restrictions as possible.

Before you even begin a search, check the law, ordinance or regulations about hunting on publicly owned sites. Abide by the rules. If the area is private property, get written permission from the owner to search it. You may find he will be more eager to give permission if you suggest sharing your finds with him, or if you offer to search for a specific item he has lost.

Thoughts on ethics con't.....

About digging: In lawn areas use a screwdriver of no more than six or eight inches long as your tool. Limit the size of the hole to a maximum of two inches in diameter, cutting a plug of sod which can be easily replaced after you make your find and fill the hole, leaving no HOLES. HOLES ARE BOTH, UNSIGHTLY AND DANGEROUS!

Detectors designed for locating large and deeply buried objects should be used with discretion - never in the lawn area, and with careful judgment in other locations. Consider the scar you may leave, before you start digging. This will vary a lot from one part of the country to another, depending on local soil and climatic conditions. Public officials and private property owners will be much more likely to allow continued treasure hunting if you do no environmental damage. You may even be able to increase your reputation as an ethical hunter by volunteering to carry out and dispose of whatever trash items you find.

Adoption of these attitudes can only enhance the public's opinion of treasure hunters and assure that many areas both public and private, remain open to you and your new detector.

SERVICE AND WARRANTY INFORMATION

If your metal detector is ever in need of service, ship it to us at the factory address or to one of our Service Centers listed on the back of the warranty statement. Insure it fully, prepay the charges and enclose a letter describing the nature of the problem. We'll correct the matter and return the instrument as soon as possible. As long as your instrument is under warranty, there is no charge other than a small handling and postage fee.

Read your warranty card carefully. It describes completely what is covered and the length of the coverage. If you have any questions, don't hesitate to write to us. We will be happy to answer any questions you may have.

NOTES

WHITE'S ELECTRONICS LIMITED WARRANTY

If within one year (12 months) from original date of purchase, your White's detector fails through normal use and due to defects in either material or workmanship, White's Electronics will repair or replace, at its option, all necessary parts without charge for parts or labor. Simply return the detector, with all transportation charges prepaid, to the nearest White's Electronics Service Center or to the factory headquarters. Include a description of the problem, plus \$5.00 for return postage, handling and insurance.

Items excluded from this warranty are batteries, headphones, charger, rechargeable batteries, and other accessories.

The warranty is not transferable. Nor is it valid unless the **Warranty Registration** card enclosed in the shipping package is returned to the factory address below within ten (10) days of original purchase for the purpose of recording that date, which is the actual commencement date of the warranty. The warranty does not cover damage to detectors caused by accident, misuse, neglect or unauthorized service.

Duration of any implied warranties (e.g., merchantability and fitness for a particular purpose) shall not be longer than the stated warranty. Neither the manufacturer nor the retailer shall be liable for any incidental or consequential damages resulting from defects or failures of the instrument to perform. Some states, however, do not allow limitations on the length of implied warranties, or the exclusion of incidental or consequential damages. Therefore, the above limitations and exclusions may not apply to you. In addition, the stated warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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