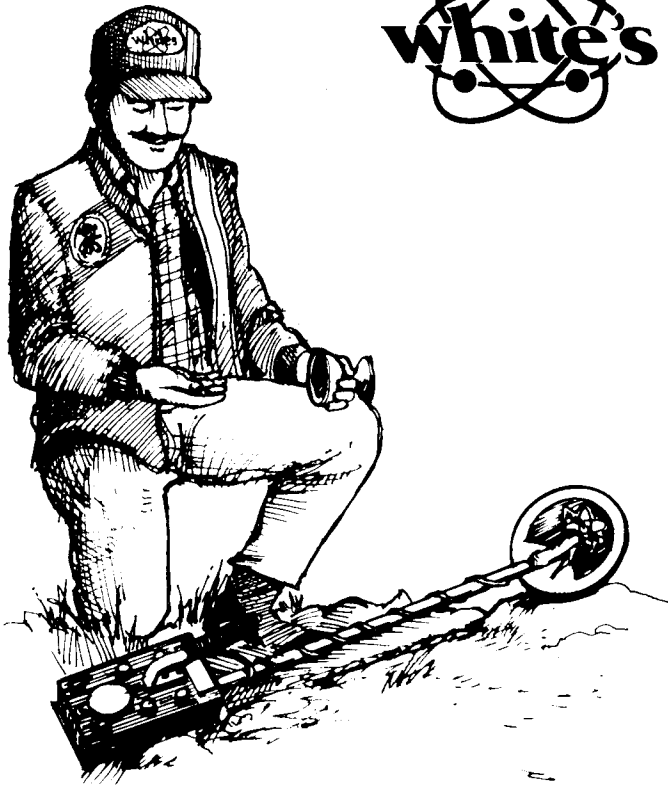
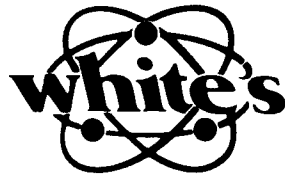


OPERATOR'S MANUAL  
**COINMASTER**  
**2900 Series 3**



**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 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 your journey and wish you every success.

Before we tell you how to assemble and operate your instrument, 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,

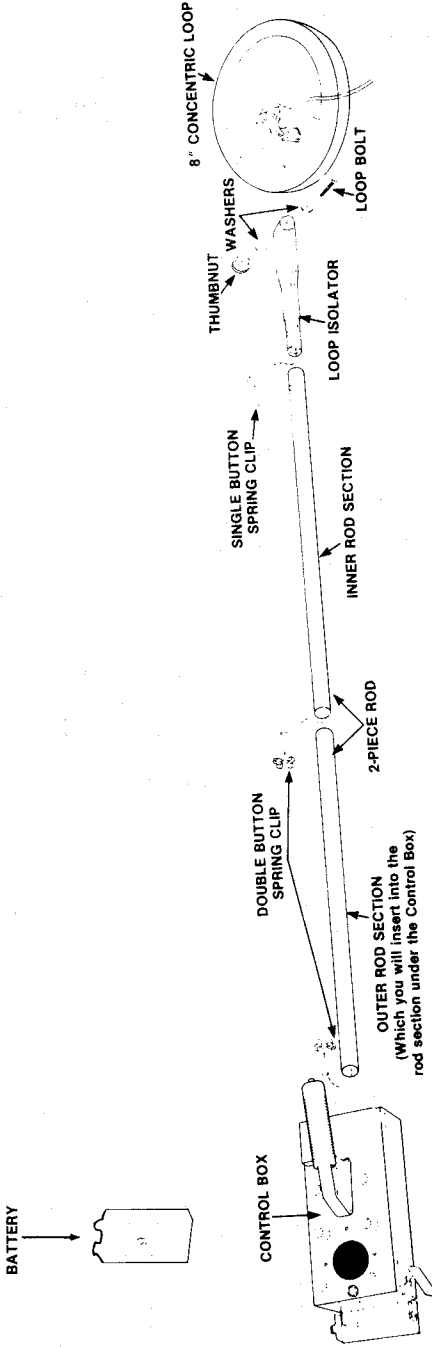
A handwritten signature in cursive script that reads "Kenneth White". The signature is written in black ink and is positioned below the typed name.

Kenneth White, Sr.

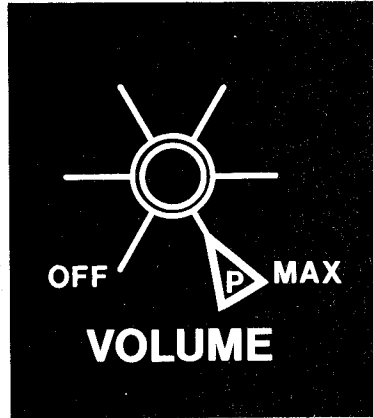
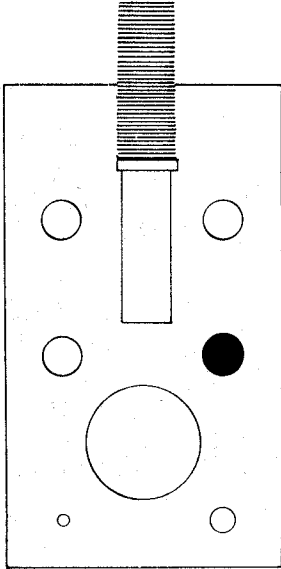
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# PARTS IDENTIFICATION AND ASSEMBLY



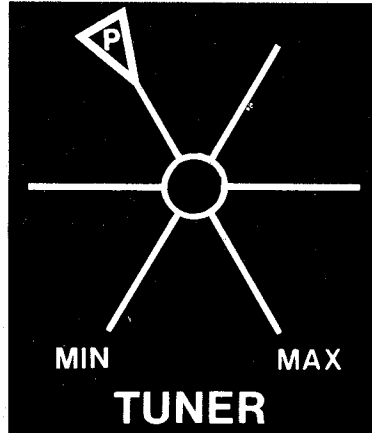
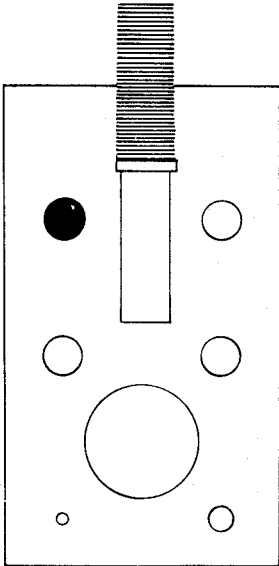
# EXPLANATION OF FEATURES POWER/VOLUME




1. The **VOLUME** controls the maximum level of the audio tone.
2. If the **VOLUME** is set below threshold level, targets will not be heard.

# EXPLANATION OF FEATURES

## TUNER



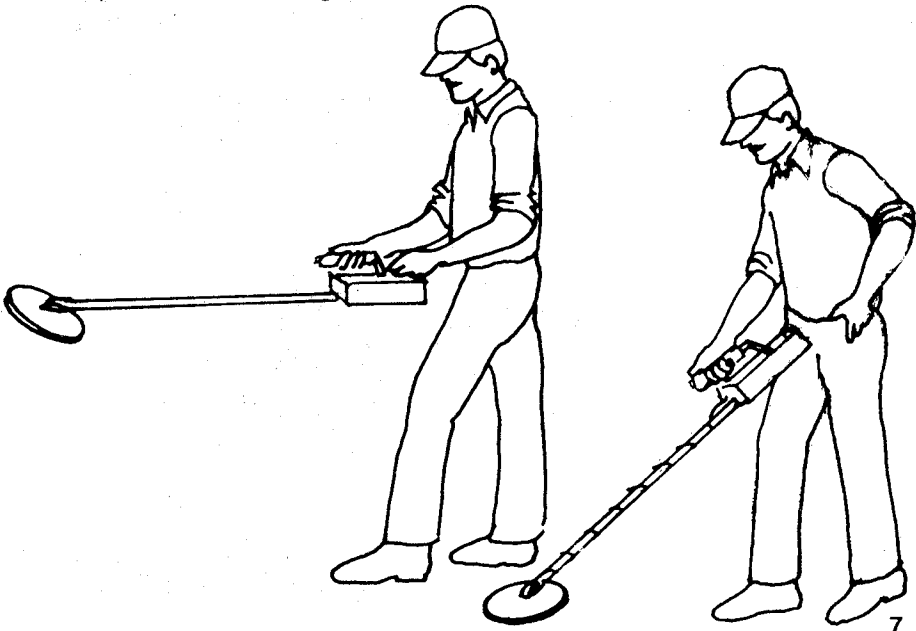
1. The TUNER sets the detector's THRESHOLD.
2. The THRESHOLD is indicated by an audio tone that is barely heard. It represents the detector's maximum operating sensitivity.
3. To set the THRESHOLD:
  - a) Set all controls to .
  - b) Hold the detector so that its loop is in the air, straight out in front of you, waist high.
  - c) Press and hold the PUSH BUTTON and turn the TUNER to the right until the tone is barely heard. Release the PUSH BUTTON.
4. THE THRESHOLD NEEDS TO BE RE-SET WHENEVER ANY OF THE OTHER CONTROLS ARE ADJUSTED. To re-set the THRESHOLD, raise the loop waist high, press and release the PUSH BUTTON.

# EXPLANATION OF FEATURES TR/DISCRIMINATE

The 2900 Series 3 metal detector has a TR/DISCRIMINATE mode of operation. TR/DISCRIMINATE has two functions:

1. It will **DISTINGUISH BETWEEN DESIRABLE AND UNDESIRABLE** targets, but **WILL NOT NEUTRALIZE** the effects of ground mineralization at the same time.
  - A) It is excellent for coin hunting, relic hunting, prospecting, beachcombing and treasure hunting.
  - B) The DISC control is adjusted to distinguish between desirable and undesirable targets. (See page 9)
  - C) To tune the detector in this mode, proceed as follows:
    1. Tune to **THRESHOLD** as described on page 6.
    2. Lower the loop to approximately  $\frac{1}{2}$ " above the ground.
    3. Press and release the **PUSH BUTTON** to re-set **THRESHOLD**.
  - D) Search with the loop level to the ground and as close to the ground as possible.

NOTE: If the loop is tilted or lifted, the tone may change due to variations of the ground.
  - E) When searching, the loop does not have to be in motion.



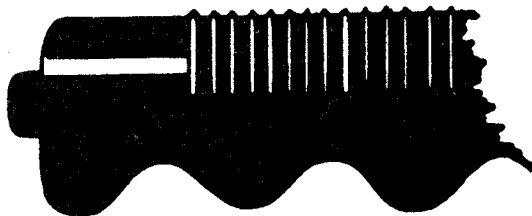
2. TR/DISCRIMINATE provides extended Ground Balance for extreme conditions. These include: salt water beaches and heavily mineralized ground.
  - A) The DISC (Discrimination) control can be used to neutralize the effects of ground mineralization. This Ground Balances the detector.
3. To use the detector for the above conditions, set the detector's THRESHOLD (see page 6). Set the DISC control to 1. Proceed as follows:
  - A) Lower the loop to the ground. If the tone does not change, the unit is Ground Balanced.
  - B) If the threshold tone changes, raise the loop waist high and turn the DISC control SLIGHTLY RIGHT IF THE TONE INCREASED or SLIGHTLY LEFT IF THE TONE DECREASED.
  - C) Press and release the PUSH BUTTON. Lower the loop back down to the ground and note any change in tone.
  - D) Adjust the DISC control as explained in (B) until there is no change in the tone between air and ground.
  - E) If you have any trouble adjusting the DISC control to a constant threshold, you may be over some metal. Move to another spot and repeat the above steps.

NOTE: Press and release the PUSH BUTTON after each adjustment to the DISC control.

#### FOR YOUR INFORMATION:

Mineralization is the ferric oxide (iron) or magnetic content of the soil. If it is not neutralized with the DISC control, the detector will react to it and this mineralization may "hide" metal objects from the detector.

## EXPLANATION OF FEATURES PUSH BUTTON

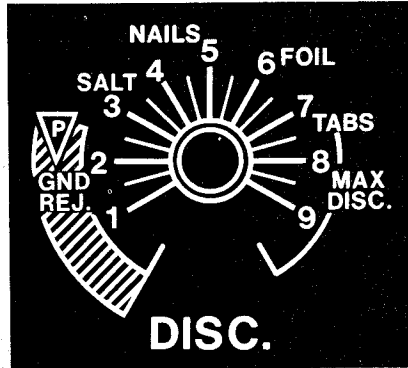
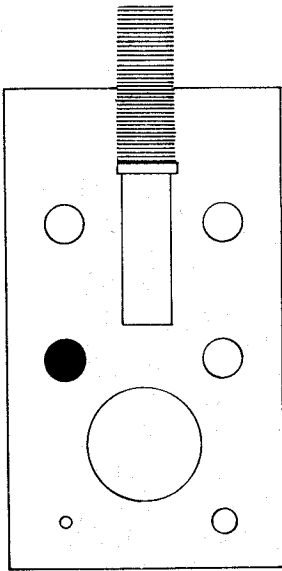


1. The PUSH BUTTON retunes the instrument to threshold.
  - A) To regain threshold, press and release the PUSH BUTTON. THIS MUST BE DONE AFTER ANY CONTROL HAS BEEN ADJUSTED.



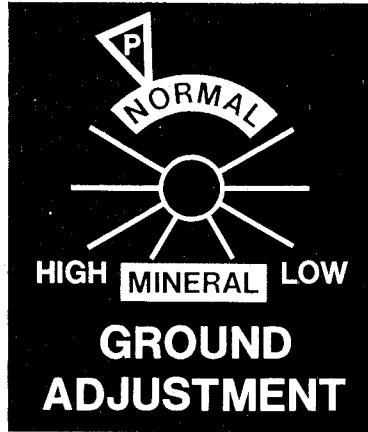
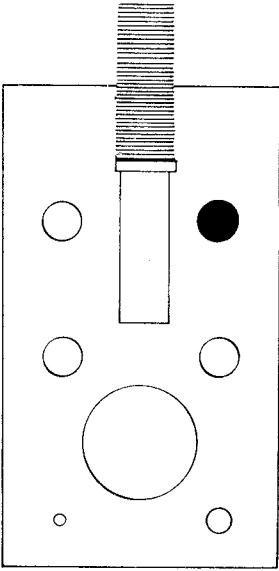
# EXPLANATION OF FEATURES

## DISC



1. The DISC (Discrimination) control helps to distinguish between desirable and undesirable targets. The user sets the discrimination point with the knob slightly below the desired targets. The audio response of the targets ABOVE the DISC set point produce louder tones. Targets below the set point make the tone go away.  
EXAMPLE: With the DISC control set @ "5", nickels and all other US coins will produce a louder, solid tone. Nails and other junk will cause the tone to go away.
  - A) Desirable targets may include such things as coins, rings, gold, and etc.
  - B) Undesirable targets may include such things as pop tops, pull tabs, nails and etc.
2. Discrimination should be used only as necessary to avoid passing over desirable targets.  
EXAMPLE: When the DISC control is set to reject pull tabs or screw caps, the US nickel, some thin rings and other desirable items may also be rejected.
3. Increasing the levels of discrimination reduces depth capabilities.  
NOTE: Test the 2000 and 3000 Series 3 units using a variety of desirable and undesirable targets before using them in the field.

# EXPLANATION OF FEATURES GROUND ADJUSTMENT



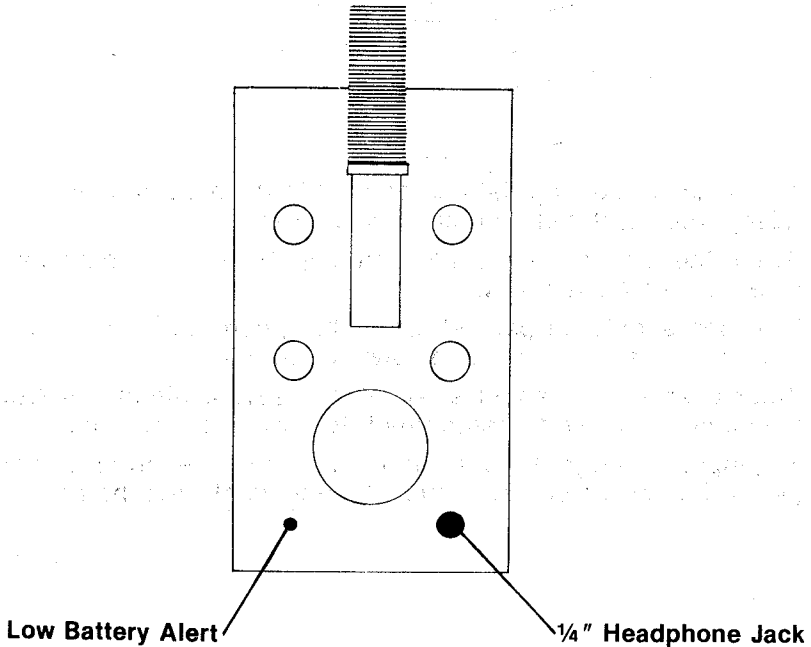
The GROUND ADJUSTMENT controls the detector's sensitivity to ground mineralization.

1. In mineralized ground, decrease the GROUND ADJUSTMENT (turn the control counter-clockwise). In ground with very little mineralization, increase the GROUND ADJUSTMENT (turn the control clockwise.)
  - A) As the GROUND ADJUSTMENT is increased, the detector becomes more sensitive to metals and ground mineralization.

# EXPLANATION OF FEATURES

## LOW BATTERY ALERT

The LOW BATTERY ALERT light emits a soft, constant glow when the detector is ON. When batteries need replacing, the light will glow noticeably stronger and brighter.



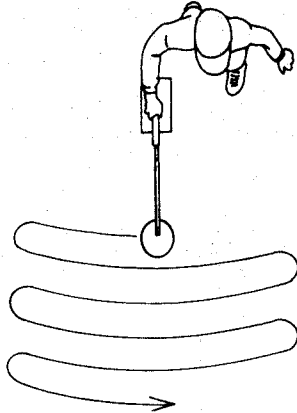
# EXPLANATION OF FEATURES

## 1/4" HEADPHONE JACK

Allows the user to listen to the audio signal on mono headphones.

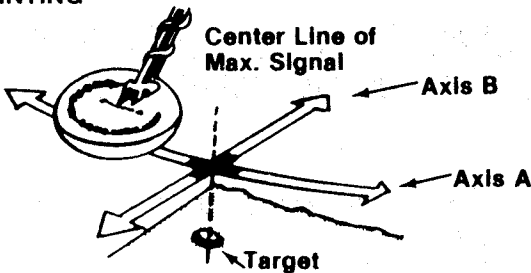
- A) Disconnects the speaker output.
- B) Reduces battery drain.

# SEARCH METHODS



1. Always keep the loop flat and parallel to the ground. When raised, the depth penetration is decreased.
2. Swing the loop in front while searching. Each swing may cover an area from 4-6 feet in width.
3. The loop should be passed along the ground in smooth, even swings. It does not have to be swung quickly.
4. When a target is detected, sweep it from several directions. Note the audio response to determine if it is worth recovering.
5. To pinpoint a target for ease of recovery, "X" the target. The object will be at the center of the "X". See illustration below.

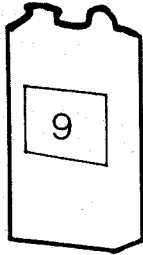
## PINPOINTING



# BATTERY

The 2900 Series 3 uses a 9 volt battery. To replace the battery, proceed as follows:

1. Open the battery compartment door at the rear of the control box.
2. Remove the battery from the clip. Carefully disconnect the terminal lead and replace the battery.
3. Reconnect the terminal lead and replace the battery in the clip.
4. Close and latch the battery compartment door.
5. The standard battery should last between 10-12 hours under normal conditions.



## CAUTIONS ABOUT THE BATTERIES

1. Do not dispose of batteries in a fire.
2. Protect the battery from being shorted. Burns may result and the battery may be damaged.
3. Non-rechargeable batteries may explode if they are recharged.
4. Store batteries in a cool, dry place.

# PROPER CARE OF YOUR DETECTOR

The following are precautions you should take to protect your instrument from harm, ensure its long life and avoid nullifying the warranty.

**CLEANING:** The loop and rod or probe are waterproof. They can be cleaned with fresh water and a mild cleanser. After cleaning, however, dry the instrument thoroughly. **CAUTION:** The instrument case is not waterproof, and water - if allowed to enter it - will damage electronic components.

**WEATHER CONDITIONS:** Protect your detector from excessively cold weather. Freezing can damage the electronic components, the case and/or the batteries. Excessive heat can also damage the instrument. Never leave it in the sun. If it's left in a car on a hot day, cover it to protect it from the direct rays of the sun, and then leave the windows slightly open to permit ventilation. Protect your detector if you operate it in the rain, as water may get into the instrument case.

**SALT WATER:** Salt water is very corrosive! Immediately after your detector has been exposed to salt water, rinse it thoroughly with fresh water, being careful not to allow water to enter the instrument case. Then wipe it with a cloth dampened with fresh water and dry it thoroughly.

## ADDITIONAL PRECAUTIONS:

- a. Avoid dropping your detector.
- b. Do not use any lubricants on any part of your metal detector.
- c. Avoid sharp jars to the loop.
- d. Do not allow batteries to corrode inside the instrument.
- e. Do not alter or modify your instrument during its warranty period. Alterations will void the warranty.

# **A NATIONAL SERVICE PROGRAM**

**THE SERIAL NUMBER IS ON THE SILVER TAG INSIDE THE BATTERY COMPARTMENT.**

**THE CODE NUMBER IS ON THE WHITE TAG.**

White's Electronics has always been concerned with the absolute quality of its mineral/metal detectors. Service after-the-sale is also of equal importance. In an effort to further the quality of service to our customers, White's reorganized its warranty service program significantly. There are now four factory authorized National Warranty Service Centers located regionally around the continental U.S. These Service Centers are identical to the Factory Service Center in Sweet Home, Oregon. In order to ensure you will get the finest service possible for your detector, the technicians in each National Warranty Service Center are Factory trained and given on-going training for new products and improved service techniques. They can also repair your out of warranty instruments with efficiency and timeliness.

Simply return the detector to the dealer where you purchased the unit. The unit must be accompanied by a completed service coupon provided by your dealer. You must provide proof of date of purchase before the unit is shipped.

If the unit has failed within the first 90 days of purchase, shipping will be prepaid.

If the unit fails after the first 90-day period, the customer is responsible for shipping costs. Please also include \$5.00 for return postage, handling and insurance.

Any repair work performed by other than a White's National Warranty Service Center will automatically void the warranty.

If a problem occurs with your metal detector, first contact the White's dealer who sold it to you. In many cases your dealer can solve the problem. If not, the dealer will have your detector repaired under the Warranty Program. All of White's National Service Centers, located throughout the country, are owned and operated by factory trained technicians. These centers are fully equipped and the personnel fully trained with on-going programs at White's in order to service your mineral/metal detector. With this program, the average repair time has actually been reduced from weeks to days!

**TO LEARN THE NAME AND LOCATION OF YOUR NEAREST WHITE'S DEALER CALL: TOLL FREE 1/800/547/6911**

# CODE OF 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 want to dig as fast as you can the minute you hear that first loud unmistakably "good" signal. It will be a real thrill to discover there's treasure right beneath your feet!

But wait a minute! 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.

**ABOUT DIGGING:** In lawn areas 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 take your finds, be sure to carefully fill the hole. **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 judgement 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.



# **WHITE'S ELECTRONICS' LIMITED WARRANTY**

If within two years (24 months) from the original date of purchase your White's detector fails through normal use or 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 to the dealer where you purchased it. The unit must be accompanied by a completed service coupon provided by your dealer. You must provide proof of date of purchase before the unit is shipped.

If the unit has failed within the first 90 days of purchase, shipping will be prepaid.

If the unit fails after the first 90-day period, the customer is responsible for shipping costs. Please also include \$5.00 for return postage, handling and insurance.

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

The warranty is not transferable. Nor is it valid unless the Warranty Registration Card 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, alterations, modifications 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.

White's Electronics, Inc.  
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Sweet Home, OR 97386

**white's electronics, inc.** 1011 Pleasant Valley Rd.

**P/N 621-0262**

Sweet Home, Oregon 97386

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