

CH TR-F71
forty - seven

White's Electronics, Inc.

1011 PLEASANT VALLEY ROAD

SWEET HOME, OREGON 97386

OPERATORS INSTRUCTIONS



Manufacturers of OREMASTER

MINERAL AND METAL
DETECTORS

ELECTRONIC
MAGNETOMETERS

SUPER GEIGER AND
SCINTILLATION COUNTERS

ULTRA VIOLET
LIGHTS

GOLDMASTER FORTY-NINER MODEL TR-F71

TRANSMITTER RECEIVER ALL METAL DETECTOR

(This model has no Mineral setting)

Operators Instructions

This is a very sensitive TR (Inductance Balance) metal detecting instrument, powered by a single 9 Volt battery pack, consisting of 6 - 1 1/2 volt AA penlight batteries, incorporating a Built-In Speaker, Single Metal Tuning Control and a Waterproof Super Sensitive TR-X4 Gold Probe. This is a special All Metal Detector and will detect all non-magnetic detectable metal, including both natural and man made.

The instrument is designed to be suspended from the neck with a strap at chest height and with the other strap around the chest, to hold the instrument snugly in place, regardless of the roughness of the terrain the instrument is used in.

The Probe is carried in the right hand, and the instrument is tuned with the left hand. This is an exceptionally simple and easy instrument to operate as well as being exceptionally light in weight.

TO OPERATE THE INSTRUMENT, proceed as follows:

(1) After the instrument is snugly in place on the chest, plug the TR-X4 Gold Probe into the 6 prong socket on the front of the instrument. First, look at the 6 prongs on the plug, and notice that one has a yellow dot on it. Rotate the plug so that the prong with the yellow dot goes into the TOP hole in the socket.

METAL SETTING

(2) Slowly rotate the Metal Control Knob to the RIGHT, until the tone just starts in the speaker. The instrument is now in operation.

After the instrument is adjusted for operation, do not raise the loop up and down, excessively, as this will give changes in both the frequency and the tone. Maintain the adjusted height of the loop as close as possible at all times for the greatest accuracy of indications. Always adjust the instrument to the best possible detectable frequency for your ears. (Lay a coin on the ground and adjust the Tuning Control to the frequency tone that vies the most abrupt and noticeable change, as the loop passes over the coin. Notice the instant increase in frequency and sound, as the loop passes over it. The loudest tone is when the loop is directly over the coin.)

All detectable, conductive metals are detectable on the Metal Setting and this includes native Gold, Copper, Silver and Platinum nuggets of sufficient size to be detectable, as well as gold, copper and silver coins, rings and other detectable metals.

(3) Next, place the magnetic mineral sample on the ground and raise the probe approximately 1" higher than the sample and slowly pass the loop over it. Notice that the sound stops or decreases as the loop passes directly over the sample, which is just the opposite to the response over the coin.

Goldmaster Forty-Niner TR-F71
Operators Instructions

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You can always tell when the loop passes over a magnetic ore sample, or magnetic rock, by the drop in sound as the loop passes over it. Some nails and other small hard metals may also cause this drop in tone and is to be disregarded, as coins, rings and other soft metals always give an increase in tone and not a decrease!

SUBMERGED LOOP

To use the TR-X4 Gold Probe submerged in water, first submerge the loop just above the surface to be explored, and then adjust and use the instrument just the same as on land.

Due to the change in temperature, the tone and frequency of the instrument may increase or decrease, until the loop arrives at the same temperature as the water, especially if it is exceptionally cold or warm. This is natural.

Should you use the probe in salt water, be sure to carefully wash off all the salt and brine to prevent corrosion to the metal surfaces.

BATTERIES

When the volume becomes weak and the sensitivity drops, replace the Penlight Cells.

To replace them, remove the two screws on the bottom of the case (there is one on each side) and open the hinged bottom to expose the battery pack. Be sure to replace the batteries in series and observe the correct polarity, exactly as they are now.

The new penlight battery system is better in many respects to the old type batteries:

1. Longer life
2. Readily available
3. Superior performance
4. Cheaper in replacement. (if one cell fails, you only need to replace the one cell.)

Replacements: Any AA penlight batteries.

Alkaline energizers and batteries of this type may be used and give even longer life. Note: All batteries last longer if used in many short periods, rather than in a couple of long periods of use.

When through operating the instrument, turn the Mineral-Metal Control to NULL, (where no sound is heard), and be sure to turn the Power Switch OFF.

The instrument has a full two (2) year warranty on parts and labor (except batteries) to the original purchaser.

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If ever in need of service, ship the instrument by insured parcel post, freight or stage, prepaid and enclose a letter advising the nature of your troubles. It may be returned to the factory address listed below, or to one of our Service Centers listed on the back page.

CAUTION: Care should be taken in excessively cold weather to protect the instrument, as well as the batteries from freezing.

The instrument should also be protected from exposure to excessive heat when not in use.

If the instrument is to be laid away for any great length of time, the battery pack should be unsnapped and the pack removed from the instrument and the batteries stored in a dry, cool place, such as on a shelf in a closet. This will prevent damage to the instrument in case one or more of the batteries are damaged or in case the power switch is left on or gets turned on accidentally. The damage to the instrument in this case is similar to what occurs in a flashlight, when the battery is discharged and the liquid escapes to damage the case and components.

WHITE'S ELECTRONICS, INC.
1011 Pleasant Valley Road
Sweet Home, Oregon 97386

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White's Electronics, Inc.

Telex 36-4450 / Phone (503) 367-2138 / 1011 Pleasant Valley Road / Sweet Home, Oregon 97386

Dear Customer

In order to provide you with prompt service on your detector, we have established a network of factory authorized service centers. These centers have been carefully selected and instructed to perform Warranty Service work, as covered by the terms of our Warranty, as well as non-warranty service work. The list of Service Centers on the following page is provided for your convenience. We also recommend you contact your local dealer for assistance.

In addition to these service centers listed, we at the factory, are concerned about our individual customer. If you have any questions or problems, please write to me personally.

Sincerely,

Gary W. Morris
Service Manager

GM:et

WHITE'S ELECTRONICS

SERVICE DIRECTORY

ALABAMA

Southern Treasures
P. O. Box 2612
Montgomery, Alabama 36105
Phone: 205/265-8828

ARIZONA

Scott Technical Instruments
333 N. 3rd. Avenue
Phoenix, Arizona 85004
Phone: 602/252-6866

CANADA

White's Electronics, Ltd.
33784 Hazel Street
Abbotsford, BC, Canada
Phone: 604/853-0232

CALIFORNIA

Burnett Electronics
24 N Buena Vista Street
Redlands, California 92373
Phone: 714/792-6309

COLORADO

Denver Metal & Mineral
Detector Sales
6117 W 38th Street
Wheatridge, Colorado 80033
Phone: 303/422-4566

FLORIDA

Edgewood Coin Shop
Emory N. Robinson
934 S. Edgewood Avenue
Jacksonville, Florida 32201
Phone: 904/389-0013

GEORGIA

Electronic Sales Co.
851 Main SW Drive
Lakeshore Mall
Gainesville, Georgia 30501
Phone: 404/532-3334
or /532-3177

ILLINOIS

Harry's Treasure Shack
322 West State Street
Cherry Valley, Illinois 61010
Phone: 815-332-5157

IOWA

Detector Supply
309 North 17th. Street
Council Bluffs, Iowa 51501
Phone: 712/322-1633

KANSAS

Quentin Bonta
617 Chase Street
Wichita, Kansas 67213
Phone: 316/942-6965

MICHIGAN

Treasure Land
38554 Groesbeck Highway
Mt. Clemens, Michigan 48043
Phone: 313/465-0600

MINNESOTA

Phelps Communication Center
Rainbow Terrace D6
Albert Lea, Minnesota 56007
Phone 507/373-1111

NEW JERSEY

Wayne Divers
Vince Bologna
25 Oak Street
Lincoln Park, New Jersey 07035
Phone: 201/694-9201

NEW MEXICO

Andrews Electric Co.
108 California Street S. E.
Albuquerque, New Mexico 98108
Phone: 505/265-1567

J. E. Earhart
Box 171, 1407 8th St.
Eunice, New Mexico 88231
Phone: 505/394-2997

OHIO

Blanchard's
218 N. Market Street
Minerva, Ohio 44657
Phone: 216/868-4544

OKLAHOMA

The Treasure Shack
Bill Smith
8500 East Eleventh
Tulsa, Oklahoma 74112
Phone: 918/838-0978

RHODE ISLAND

Bob's Service
Robert Stroehlin
137 Brookside Avenue
West Warwick, Rhode Island
02893
Phone: 401/828-5062

TEXAS

Alexander Enterprises
Jim Alexander
616 Arkansas
S. Houston, Texas 77587
Phone: 713/946-6399

Arlington Electronics
Buck Buchanan
915 E. Park Row
Arlington, Texas 76010
Phone: 817/261-9441

VIRGINIA

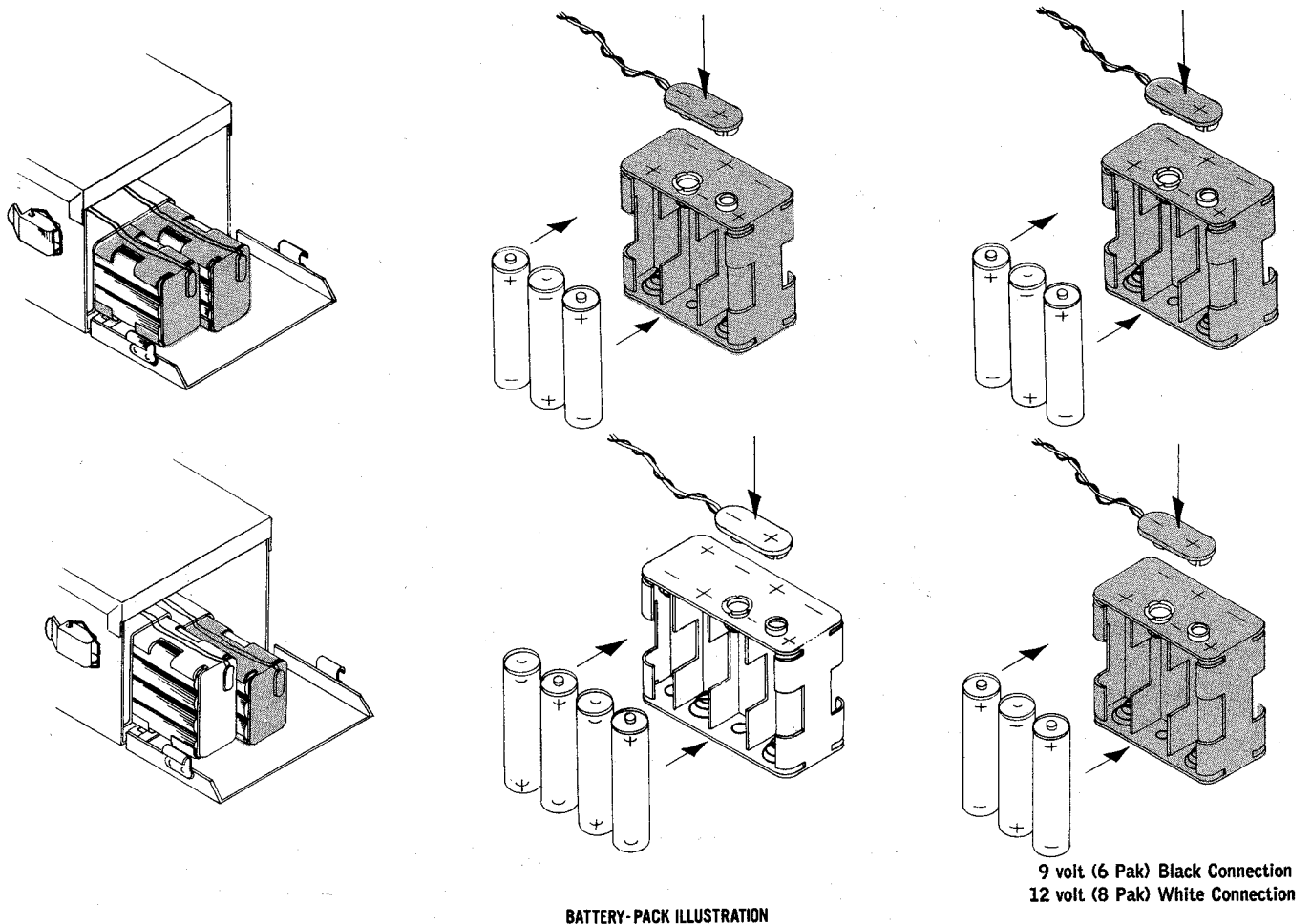
Grandin Road TV
1504 Grandin Road, S. W.
Roanoke, Virginia 24015
Phone: 703/344-4195

WASHINGTON

J. S. Electronics
John Skusek
10305 Waller Road E.
Tacoma, Washington 98446
Phone: 206/LE1-1736

BATTERY DIAGRAM

Note: To prevent damage in shipping, the batteries have been removed from your instrument and placed in a separate container within the shipping carton. See following diagram for proper installation.

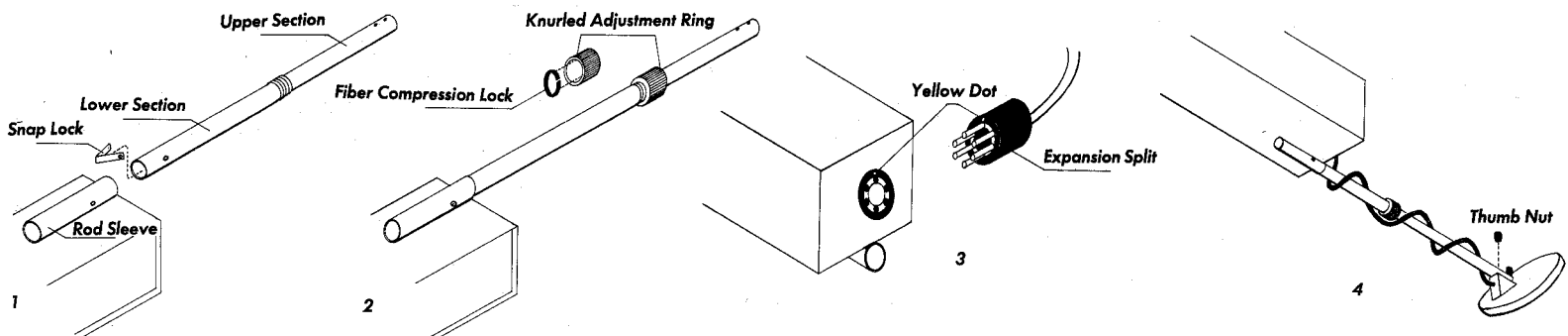


BATTERY-PACK ILLUSTRATION

	EVEREADY	BURGESS	WHITE'S
1.5 Volt "AA" (Battery Pack Models)	1015	910	B-1

When ordering replacement batteries from the factory, please state the instrument model, voltage of batteries and battery number.

ROD ASSEMBLY, DRAWINGS



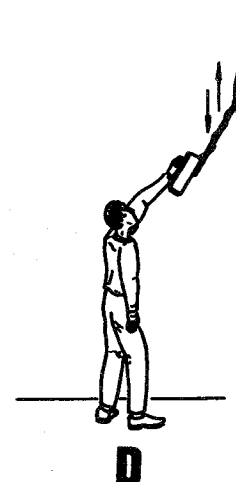
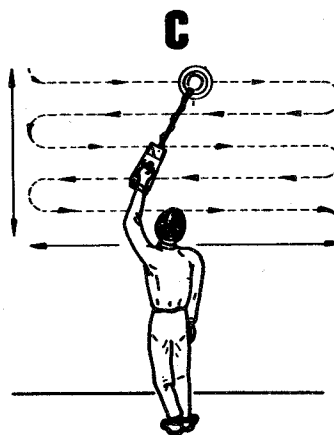
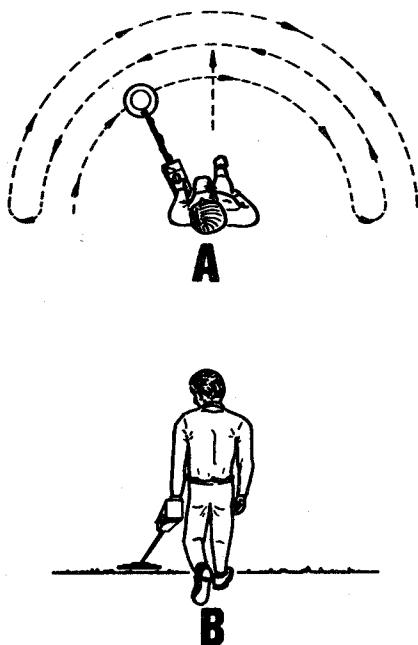
When you receive your instrument with the knurled adjustment rod, it may be necessary to install the snap lock. As illustrated in Figure Number 1. Depress snap lock and insert it in the lower section. Insert the lower section into the rod sleeve.

Figure Number 2 shows the fiber compression lock; make sure it is inside the knurled adjustment ring. Slip the ring over the upper section; adjust rod to desired length and tighten ring as shown.

When attaching the loop cable to the instrument chassis, make sure the yellow dot on the plug matches the one on the instrument. As shown in Figure Number 3 (note: the "Expansion Split", as pictured in Figure Number 3, is to allow assembly and disassembly of the plug cap and is not a manufacturer's defect).

Attach the loop with the thumb nuts as shown in Figure Number 4. Always coil the loop cable as snugly as possible, without pulling or stretching it.

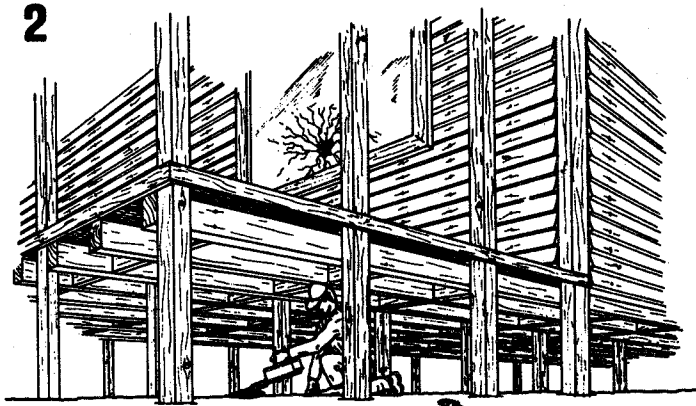
OPERATING ILLUSTRATIONS



As shown in Diagrams A and B, when you are working on the ground, move forward in a straight line, at the same time, moving the loop from side to side across in front of you. The distance between each swath of the loop is determined by the size of the loop you are using. With a 6" loop you would make a 3" step, with 12" loop you would make a 6" step, and so on. Using this method of hunting enables the hunter to cover more ground, more completely, in less time. For tuning your loop, hold it as close to the ground as possible.

Diagrams C and D show you just one more of the many ways the versatile design of the White's instrument can help you either in prospecting or treasure hunting. This diagram demonstrates the extra ability the design gives in reaching to the out-of-the-way places. This system can be used for checking outcroppings, walls, etc.

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Remember, a lot of old artifacts and treasure have been found under old buildings, as well as in the attics. When going through an old homestead, never overlook any place or area that could represent a good hiding place. So if you are planning such a trip, follow these simple illustrations and prepare your instrument. At a time like this you don't want to pass up any chances.

America's Largest Line of Metal Detectors



WHITE'S ELECTRONICS, INC. 1011 Pleasant Valley Rd., Sweet Home, Or. 97386

Printed in USA



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Sweet Home, Or. 97386