

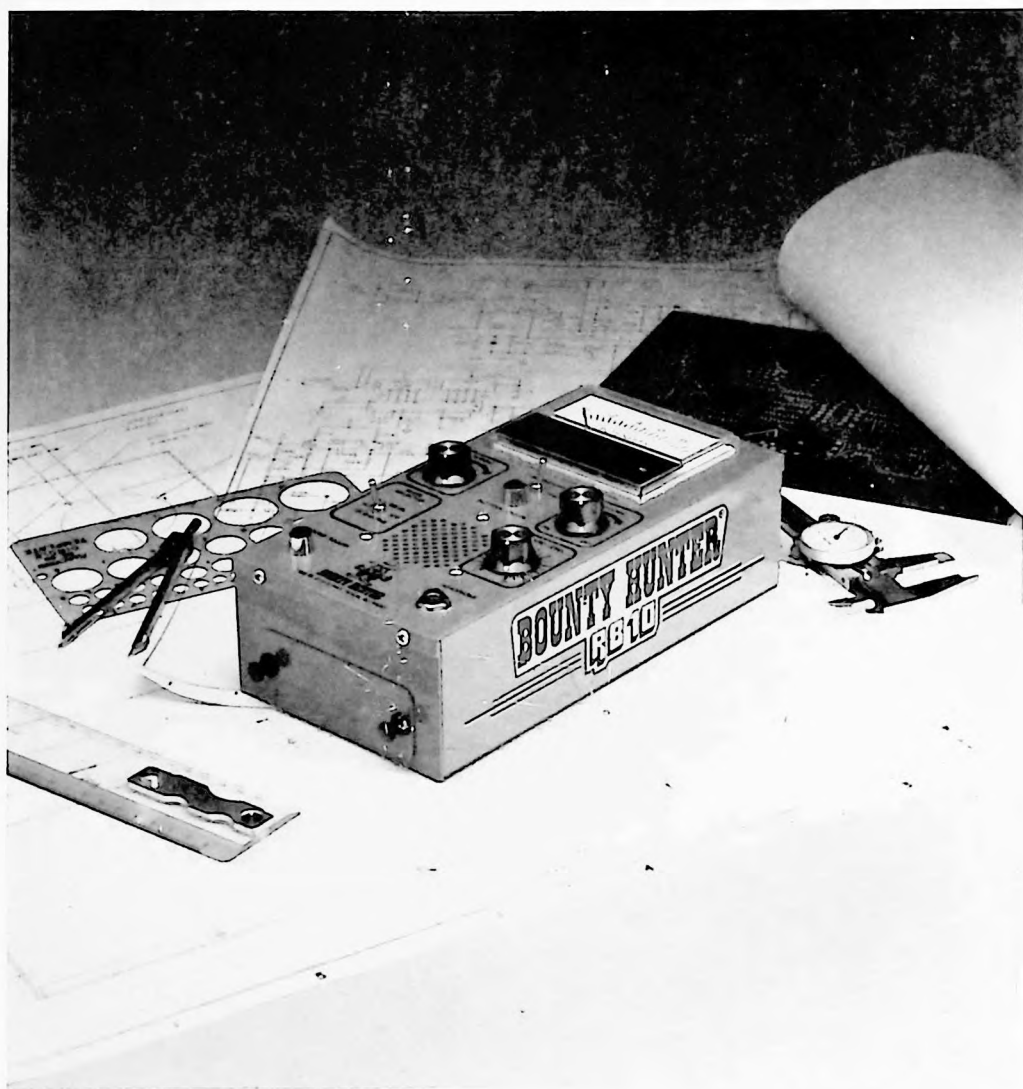
BOUNTY



HUNTER[®]

RB-10 VLF SPD

GROUND REJECT DISCRIMINATOR



METAL/MINERAL DETECTOR

OPERATING INSTRUCTIONS

BOUNTY



HUNTER[®]

Lifetime Warranty

Bounty Hunter[®], Inc. warrants each new Bounty Hunter Metal/Mineral detector to be free of all defects in material and workmanship for lifetime of the original purchaser. The company will repair or replace for the original purchaser, free of charge, any part or parts found to be defective under normal use provided the warranty card is completed and mailed within 10 days after purchase and is on file with Bounty Hunter, Inc.

This warranty does not cover defects resulting from alterations, improper use, tampering or user neglect or abuse.

This warranty is made only to the original purchaser, and if the instrument is returned within 60 days from the date of purchase no charge will be incurred. After 60 days the instrument must be accompanied by \$5.00 to cover shipping and handling expenses only. Return Post Paid to the factory.

BOUNTY HUNTER[®]
1309 West 21st Street
Tempe, Arizona 85282-1198
(602) 968-6400



Thank you for purchasing the new RB 10, the most up-to-date, versatile, and easy to use metal detector ever produced. Built with the needs of the treasure hunter in mind, the RB 10's precision engineering makes treasure hunting an enjoyable and satisfying past-time for the amateur as well as the professional.

The SPD *(Synchronous Phase Discrimination) circuitry enables Discrimination at VLF depths! This patented technique uses a type of analog computer that reads the sensing signal of the combined target and matrix (supporting soil around the target), then subtracts the effects of the matrix, analyzing only the sound of the target itself.

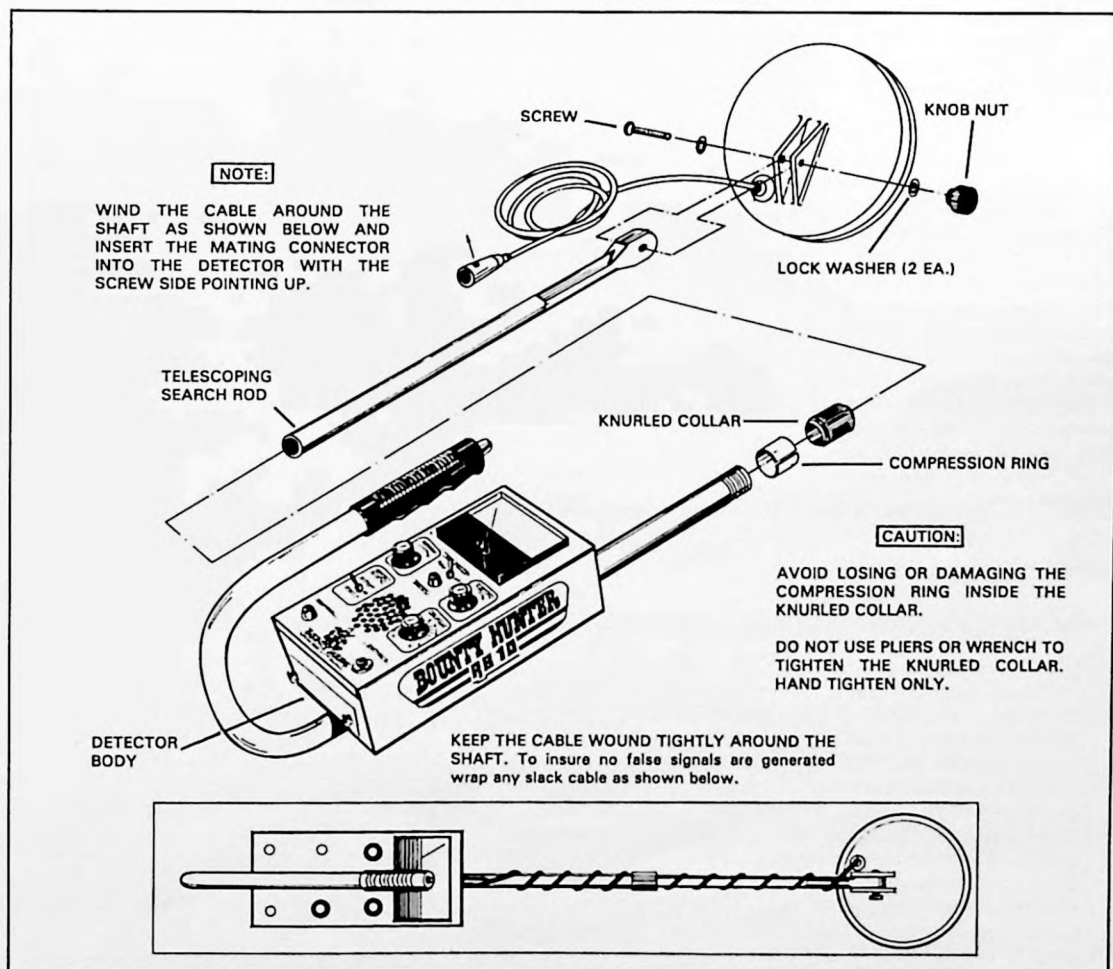
Another unique feature of the RB 10 is an all new ground adjust control. A simple push of a button cancels out the effects of soil mineralization and unlike other metal detectors that require two battery packs to individually control detection and audio circuits, the RB 10 operates on only one power source.

EVEN THOUGH YOU MAY CONSIDER YOURSELF AN EXPERT (and may be one...)

It will be well worth reading the detailed instructions for successful hunting. The RB 10 is an instrument that solves the old problems in a new way! Since different principles are used, the detection and discrimination techniques differ a bit from all other detectors.

Most RB 10 users have discovered that although it is an ultra-sophisticated detector by today's standards, it is only a matter of reading the instructions and practicing a little before they begin to master the RB 10 technique. HAPPY HUNTING!

— Figure 1. RB 10 Assembly and Set up instructions —



RB-10

Figure 2.

OPERATING CONTROLS:
(Please study thoroughly before moving to page 5.)

BATTERY CHECK SWITCH

New style battery check-system indicates the exact condition of the battery pack. Saves on battery costs! Batteries may be used until they drop to .05 on the meter!

TUNING CONTROL

Single turn potentiometer with expanded operating range for more precise audio threshold setting.

MODE SELECT SWITCH

Selects primary search mode. Choose between two ground cancelling modes (S.P.D. Discriminate and All Metal) or TR Discriminate for added versatility in non-mineralized ground.

AUTOMATIC PUSH BUTTON GROUND ADJUST CONTROL

This control is used to cancel out the effects of soil mineralization. Adjusting out the ground must be done in the All Metal mode. Once this is accomplished, the adjustment covers both the All Metal and S.P.D. Discriminate modes.

3 1/2" INTENSITY METER

...also shows battery pack conditions.

SENSITIVITY CONTROL

Controls detection depth. High sensitivity position should be used unless you encounter areas with high electrical interference or extreme mineralization.

ON-OFF/VOLUME

Composite switch combines both functions.

DISCRIMINATION LEVEL CONTROL

This control is used to adjust the detector's response to unwanted metallic trash when in the discriminate mode.

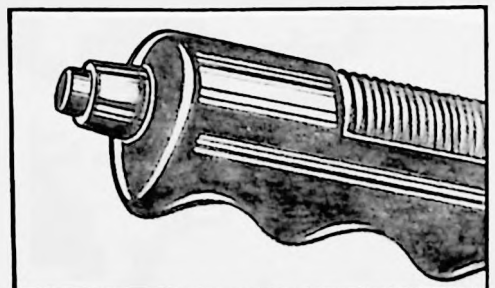
- "0" setting rejects iron, nails, wire and other fine linear scrap.
- "2.5" setting rejects small pieces of Alum Foil.
- "4" setting rejects pull tabs or tear tabs.
- "8" setting rejects the twist off type Aluminum bottle caps.

1/4" STEREO STYLE HEADPHONE JACK

PUSH BUTTON TUNER/MODE CHANGE SWITCH

Convenient thumb-push button in the tip of the handle may be pressed momentarily to re-establish the tuning threshold...OR...TO CHANGE MODES...It is not necessary to change the mode select toggle switch each time. If searching in the ALL-METAL VLF mode, depressing the push-button switches the unit to the S.P.D. DISC mode and keeps it there for as long as the button is depressed.

After target identification, the unit can be returned to ALL-METAL by simply releasing the button. If the Mode Select Switch is placed in S.P.D. DISC mode, the reverse is true. Therefore, searching can be done in S.P.D. DISCRIMINATE but pinpointing is accomplished in ALL-METAL by simply holding the button depressed. Holding the button in when in TR mode switches mode to SPD Disc.



SECTION I

RB 10 SIMPLIFIED INSTRUCTIONS

These simplified instructions are merely intended to be a quick introduction to the detector's operation. For the most accurate and successful usage with your new Bounty Hunter RB 10 Metal Detector, it is imperative that the Detailed Operating Instructions in Section 2 of this manual be read and understood thoroughly.

1. Place mode switch in VLF/SPD position.
2. Turn volume control fully clockwise.
3. Adjust tuning control for .15 on meter. You are now completely tuned and you're ready to ground adjust. **Caution:** During ground adjust procedure, the ground under and around the coil must be free of metal objects.
4. Place mode switch in "ALL METAL" position.
5. Raise coil 2 feet above ground. Depress "GROUND ADJUST" button and lower coil to ground. Once coil is at ground level release ground adjust button and unit is fully ground adjusted in both "ALL METAL" and "SPD" modes.
6. To "Discriminate", set mode switch to VLF/SPD.
7. Set "Discrimination Level Control" at desired position. (as shown in figure 3)

Figure 3



NOTE: The search coil must be moving to detect a target when using the VLF/SPD Discriminate mode. (See push button tuner/mode change switch page 3)

REMEMBER: Ground Adjust Button must be released as soon as coil reaches ground level.

SECTION 2

RB 10 DETAILED OPERATING INSTRUCTIONS

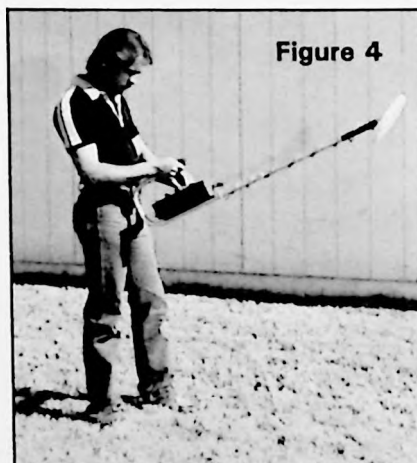
1. Before turning the instrument on, place the mode switch in the VLF SPD position. This mode features the SPD (Synchronous Phase Discrimination) circuitry, which needs no periodic retuning after the environmental temperature is reached--therefore, the VLF SPD mode is used for initial tuning to establish the reference levels of the ALL METAL (VLF) mode. **IMPORTANT!** The instrument **MUST** be in the VLF SPD mode during initial tuning to work properly!
2. Turn ON-OFF/Volume control on.
3. Check battery condition by pressing Battery Check Push Button and read the meter. New batteries should read full scale...older batteries (used) OR Rechargeable battery packs (see page 16) will read lower on the scale. The new battery-saver system uses batteries until they read .05 on the meter. If battery pack is satisfactory, proceed to Step 4. (See page 16 for Battery Tips.)
4. Turn ON-OFF/Volume control fully clockwise.

INITIAL TUNING

TUNING THE VLF SPD MODE

5. With the search coil raised (as in Figure 4), and away from any metal objects, turn the tuner clockwise until the sound just starts (about .15 on the meter). This setting is usually referred to as the "Threshold" and is the most effective setting for treasure hunting.

This completes tuning the VLF SPD Mode. Once the instrument reaches the environmental temperature, no retuning will be necessary in this mode.



GROUND ADJUST

6. While holding the detector as shown in Figure 4, place the MODE switch in the ALL METAL position. Changing modes should not significantly change the threshold, and signal strength will remain about the same. Should retuning be required, depress the Push Button Tuner/Mode Change Switch momentarily and threshold will be restored.

The unit is now ready to be "GROUND ADJUSTED" which eliminates the effects of soil mineralization. THE RB 10 MUST BE IN THE ALL METAL MODE, FOR THIS PROCEDURE.

With the detector in a raised position as shown in figure 4, depress the Ground Adjust Button, and slowly lower the search coil to the ground as shown in Figure 5. Once the coil is on the ground, release the Ground Adjust Button. This completes the ground adjust process. **Caution: During ground adjust procedure, the ground under and around the coil must be free of metal objects.**

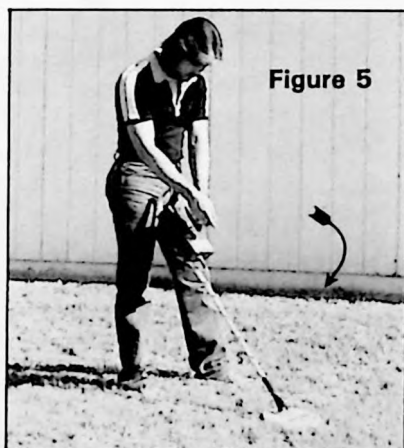
The detector is now tuned for search in the ALL METAL Mode. It should only need occasional retuning in the ALL METAL Mode as the search progresses, and this can be easily accomplished with a momentary touch of the Push Button/Mode Change Switch in the handle.

After the initial tuning procedure, the RB 10 can be used effectively in mineralized ground in either of two ways:

- A. SEARCH IN VLF SPD MODE/Pinpoint the target in the ALL METAL Mode by pressing and holding in the Push Button Tuner/Mode Change Switch.
- B. SEARCH IN THE ALL METAL MODE/Identify the target in the VLF SPD Mode by pressing and holding in the Push Button Tuner/Mode Change Switch.

To temporarily switch from ALL METAL Mode to VLF SPD or vice versa, all that is necessary is to depress the Push Button Tuner/Mode Change Switch in the handle and keep it depressed as long as the opposite mode is desired. When in the TR Discrim mode, holding the push button in places you in the VLF/SPD Mode.

When searching an area which is not highly mineralized, the above two methods can still be used, plus the TR DISCRIMINATE mode can now be utilized. Many Treasure Hunters prefer to use this mode whenever possible because of its conventional TR operating characteristics (i.e. searching, target identification, and pinpointing all accomplished within the same mode). However, the ground adjust is inoperative while the RB 10 is being used in the TR Discrim Mode, therefore, serious loss in depth and stability occurs in highly mineralized soil.



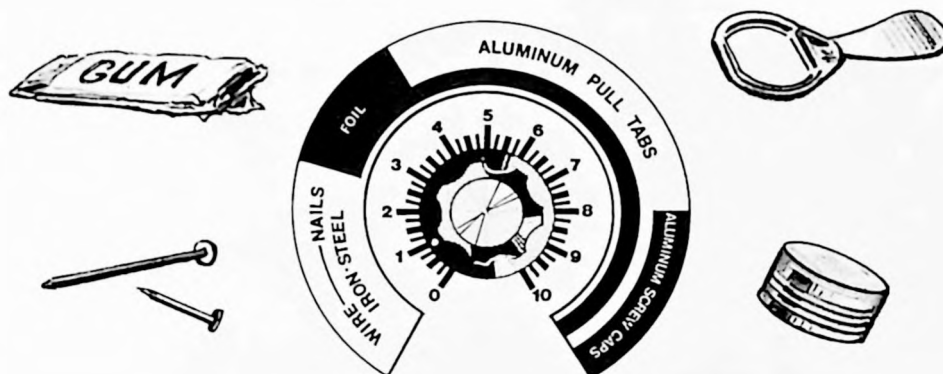
TUNING THE TR DISCRIMINATE MODE

1. Place the mode switch in the VLF SPD position BEFORE turning the instrument ON.
2. Turn ON/OFF-Volume control fully clockwise and rotate TUNER clockwise until the threshold is reached, about .15 on the meter.
3. Place the MODE SELECT SWITCH to the TR DISC position.

NOTE:

When searching in the TR DISCRIMINATE Mode, the search coil must be held at a constant height in respect to ground since raising and lowering the coil can cause drastic changes in the audio level, depending on ground mineralization.

DISCRIMINATION LEVELS



When switching to the DISCRIMINATE Mode, many unwanted items are rejected AUTOMATICALLY! (will fail to generate a signal) The drawing above shows the sequence of rejection using the DISCRIMINATE LEVEL control. As each instrument is individually calibrated, levels may vary slightly from what is shown, but the sequence is still the same.

THESE ITEMS INCLUDE:

FOIL (Includes gum, candy, cigarette wrappers, and miscellaneous thin gauge scrap.)

PULL-TABS (From aluminum drink cans).

Unlike other detectors, there is negligible loss of sensitivity (depth capability) when changing from the FOIL level to the PULL-TAB level. However, at this level, as with other manufacturer's discriminators the Nickel Coins can no longer be detected. Also, because of the shape and nickel content some rings may be bypassed. However, this may be a small price to pay for the convenience of ignoring pull-tabs.

SCREW CAPS

A bothersome obstacle to the treasure hunter is the twist-off aluminum screw cap used on many large soft drink bottles. RB-10 has a level to counter this problem. In the SCREW CAP level some sensitivity is lost, so it is recommended that, for maximum performance, you discriminate at no higher than the PULL-TAB level unless the search area is heavily strewn with SCREW CAPS. In fact, the best rule of thumb is always to use the lowest level of discrimination possible for a particular area.

The SPD DISCRIMINATION Mode is not affected by ground mineralization, and when used at the beach it will go from wet sand to dry and back without changing tune! The DISCRIMINATE Mode is recommended for areas of heavy surface trash. Any level in this mode will reject small surface area targets such as wire, nails, tacks, rivets-that to other detectors may look like coins! Larger junk targets are easily identifiable because of their erratic signal or widespread signal area.

SENSITIVITY SWITCH

Controls detection depth...High sensitivity position gives you max depth capabilities.

Normal position should be used when using in TR DISCRIM mode and when in areas of extreme mineralization and/or high electrical interference.

SECTION 3

FIELD OPERATION

You are now ready to search. This is the time to decide what type of search system you will use. Several things may influence this choice--what you are looking for, the condition of the search area; is it clean or littered with trash, mineralized or not, etc.

First, Treasure Hunting with your RB 10 Metal Detector can be roughly divided into four categories:

1. Coinshooting Coins and other valuables such as jewelry, rings, watches, etc.
2. Relic Hunting These would include cannonballs, muskets, swords, cast iron toys, horseshoes, and anything metal that may be of historical value from a battlefield or ghost town.
3. Beachcombing Assuming that anything metallic on or under the beach surface has been put there by accident and is not placed there by nature, you may want to search for the things most likely to be found there...again...rings, jewelry, coins from bathers or old shipwrecks or even buried treasure chests.
4. Prospecting Since the RB 10 can be adjusted to ignore the "Black Sand", precious metals in the form of nuggets or solid ore bodies may be found. The "Black Sand," or magnetite, could prove many other detectors useless in these highly mineralized areas.

After choosing from one of these categories, we can decide how to use the detector most effectively. Let's start with:

COINSHOOTING - The RB 10 is the coinshooter's dream come true. Not only does it have a standard TR DISCRIM Mode for searching in non-mineralized soil, but also has the VLF SPD Mode which offers the unique capability of ground cancelling discrimination for mineralized areas.

NORMAL COINSHOOTING - When operating in neutral or non-mineralized soil, the standard TR DISCRIM Mode can be used. After selecting the desired discrimination level, tune the unit to the threshold of sound with the search coil at the desired operating height. Sweep slowly in an overlapping pattern as shown in Figure 6 being careful to keep the search coil at the same distance from the ground throughout the sweep. After locating a target, pinpoint according to the description in Figure 7. Once the strongest signal is obtained, the object is directly beneath the center of the coil.

COINSHOOTING IN MINERALIZED SOIL - In many areas you will find it very difficult to maintain depth and stability in the TR Discriminate mode. These are the mineralized areas in which the RB 10 begins to leave the competition behind because ground cancellation while discriminating can be obtained in the VLF SPD Discriminate mode.

NOTE: The search coil must be moving to detect a target using the VLF SPD system. Therefore, it would be extremely difficult to pinpoint a target using the VLF SPD Discriminate mode.

Figure 6

Sweep in a slightly overlapping pattern as shown. Use as you would any normal detector — the search signal should “peak” as the target center is passed. Try to keep the search coil parallel to the ground at all times and avoid lifting the coil off the ground at the end of each swing. This will prevent loss of detection of some deeper targets, since you are putting more distance between the coil and the target on a careless swing.

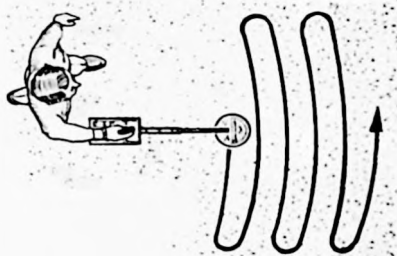


Figure 7

PINPOINTING THE TARGET

When operating with the 8-inch coil, if a target is located generally with a side-to-side sweep, the exact location may be determined by also passing the coil in a forward and back sweep as shown at the right.

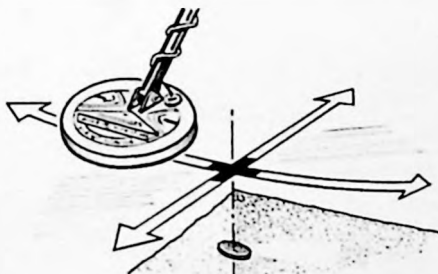


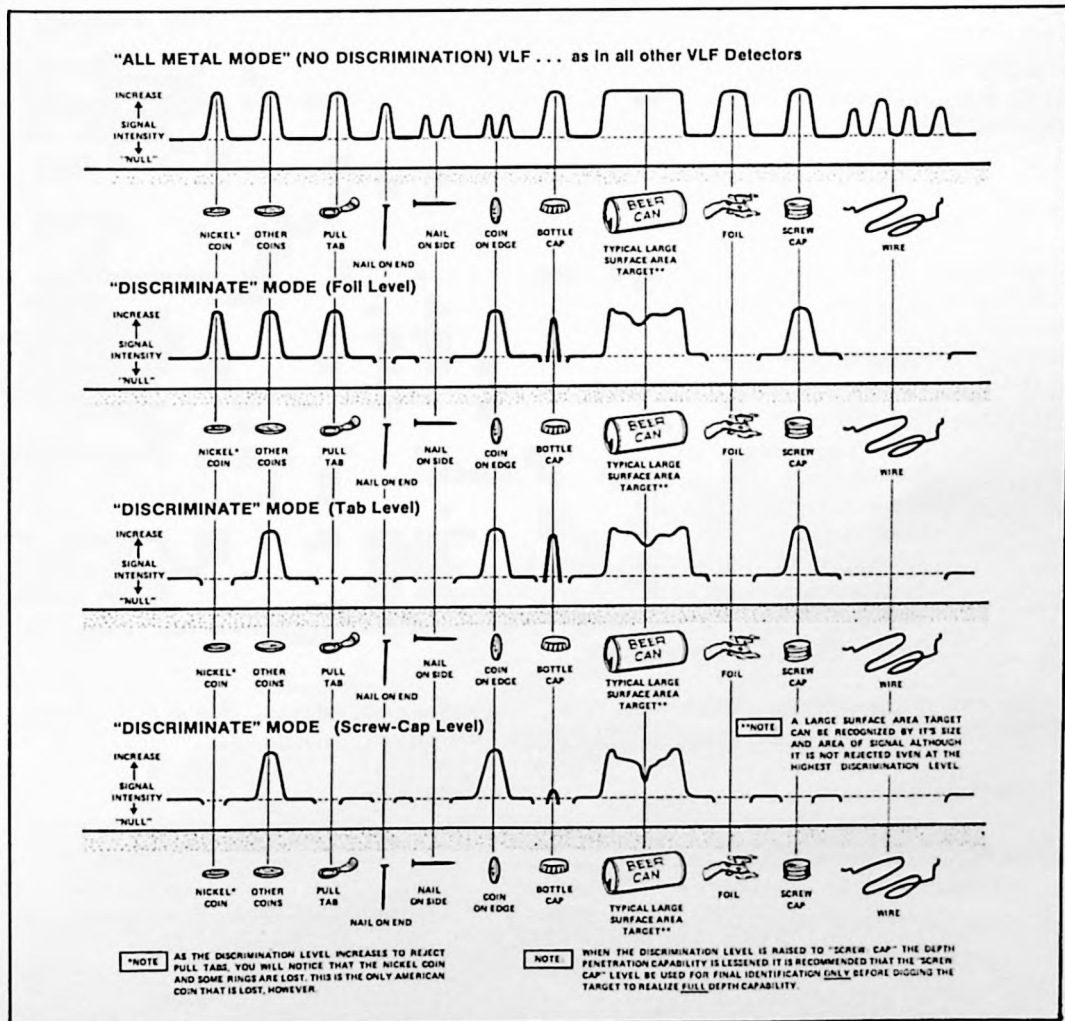
TABLE 1 SOME STANDARD TARGET DEFINITIONS

Since many Treasure Hunters purchase the RB 10 primarily for its SPD system, provided below is a graph of some of the most commonly encountered targets and the way they are usually represented in audio form. In this table, the sound is put in graphic form to make them easily understood. You will notice the standard ALL METAL Mode produces a signal for ANYTHING METALLIC!

Signals shown below represent different "set-ups" of the RB 10 for detection and/or discrimination, and are a rough guide of what might be expected in the field. Response in the TR DISCRIM Mode would correspond to the VLF SPD except the bottle cap would be rejected from 3 on the dial and up.

NOTE: The faster the sweep rate in the SPD mode increases coin response and decreases trash response.

Table 1



RAPID COINSHOOTING

1. After initial SPD tuning and choosing your DISCRIMINATE level, leave the Mode switch in the VLF SPD position.
2. Move the search coil in a broad rapid sweep in a slightly overlapping pattern as shown in Figure 6. Keep the search coil slightly above the ground and avoid coil impact with the ground. This can generate a target-type signal. A good (possibly valuable) target will produce a clean, unbroken signal over the target area. See Table 1 for identification of different types of signals.
3. When a promising signal is established, press the Push Button Tuner/Mode Change Switch in the handle to switch to the ALL METAL Mode for pin-pointing.
4. Pin-point the target in the ALL METAL Mode as shown in Figure 7.

NOTE: The RB 10 DISCRIMINATOR is designed to identify a target by its metallic composition, whether it is basically conductive or magnetic. There are many objects in the world which metallurgically resemble a coin or valuable object and which you will detect as a coin. However, you will find these objects in the minority and your "batting average" will be much higher than with a normal TR DISCRIMINATOR detector without SPD.

Using the RB 10 set up for rapid coinshooting will enable you to bypass most of the trash targets that confuse even the experts WITHOUT DIGGING. Your RB 10 can make you a winner at the treasure hunts with just a little careful practice.

RELIC HUNTING

In many parts of the country, such as areas where Civil War battles have been fought in fields and forests, relics and historically valuable objects were lost in the heat of battle or abandoned in hasty retreat as the tides of battle changed. In areas such as these, just about any metallic object may be of interest. For locating any and all targets, it is best to use the ALL METAL Mode. The RB 10 has the sensitivity and power to detect these relics better than any other detector available today.

1. Follow the Initial Tuning procedure (Page 6 and 7). As soon as the RB 10 has been tuned, it is ready for Relic Hunting.
2. Should you wish to narrow your search to include only items like brass buttons, medals, rings or buckles, simply switch to the VLF SPD Mode and set discriminator level to 4. The RB 10 has extraordinary depth capability in the VLF SPD Mode. In your Relic Hunting as well as your Coinshooting you now have your choice of targets.
3. If there is too much miscellaneous ground clutter, such as pull tabs, you may want to increase the DISCRIMINATION level accordingly.

NOTE: Since maximum ground coverage and depth on the larger targets are desired in Relic Hunting, the accessory 12 inch diameter search coil is highly recommended.

BEACHCOMBING

Your RB 10 is the ideal beachcombing companion. Unlike other VLF detectors, the RB 10 can be used in wet sand or dry---salty or fresh water, without retuning---but at VLF DEPTHS! Simply use the VLF SPD Mode.

NOTE: If beachcombing at an ocean beach or other area of high salt concentration, the RB 10, like all other VLF detectors, may lose stability in the ALL METAL Mode. It is best to search in VLF SPD DISCRIMINATE and pin-point in ALL METAL using the Push Button Tuner/Mode Change Switch.

NOTE: If you are planning to do much serious beachcombing, it would be wise to invest in, or fabricate, a recovery tool similar to a french fry basket to make the job easier. Any sort of a loose wire mesh scoop with holes big enough to pass sand through, but retain coins, will do. You will find, without one, that you can locate a coin, but chase it all over the beach before you get it in your hand!

PROSPECTING

The idea in prospecting is to locate the possible location of gold or similar valuable metals. Usually gold nuggets or dust are located along with "Black Sand"---a form of highly mineralized fine particles.

In order to search for gold nuggets:

1. Place MODE SELECTOR in ALL METAL Mode.
2. "Ground Adjust" as outlined on page 7.
3. Search in the most likely areas. A stream bed, wash or dry creek bed is an excellent place to look, especially downstream from known mining and mineral areas.
4. Many prospectors prefer the smaller 6" coil as an accessory for searching crevices and being more sensitive to the tiny gold nuggets.

INDUSTRIAL USES

The RB 10 is ideal for locating cables and pipes, underground and in the home. Saw blade damage can be reduced to minimum by first detecting harmful metal objects embedded in trees. Law enforcement agencies use detectors for the recovery of evidence such as money, jewelry, bullets, cartridges and weapons.

DETECTION TIPS

REJECTING THE STEEL BOTTLE CAP

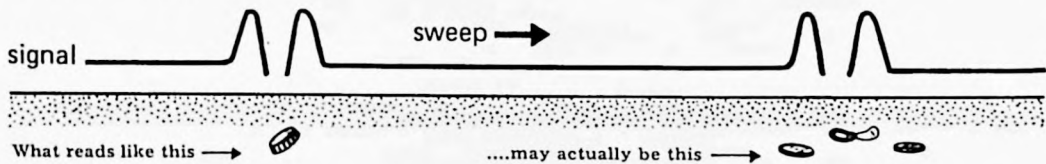
Although the iron bottle cap is rejected at any level of discrimination when operating in the TR DISCRIMINATE Mode, this is not the case when using SPD. While searching in VLF/SPD DISCRIMINATE an iron bottle cap will "blip", but can be mentally identified quite easily.

Once a target signal has been received, take notice of its audio strength at a normal sweep rate. Now sweep over the same target at increased speed and compare the strength to the first response. If the signal diminishes at all, you may leave it for a bad target (iron bottle cap). However, if it gets stronger the faster you sweep over it, it is a good target. With very little practice, this procedure will become second nature and you will begin to experience the real joy of using your RB 10.

SOME COMMONLY ENCOUNTERED FIELD CONDITIONS....

Often you will receive a signal from a target that is difficult to "Read" to really determine what it is. What may seem to be a bad target because of the signal pattern, may be a combination of targets.

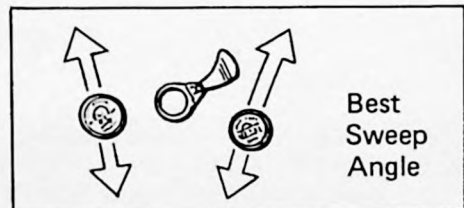
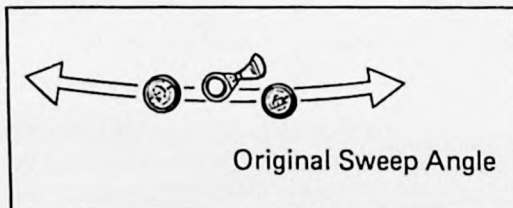
Let's take an example: With the detector set in the VLF/SPD mode and DISCRIMINATE level set at 4.5 to 5.5.



With the audio signal produced, at first you may be tempted to pass on and forget it. Don't!! A situation like this may be worth an investigation.

1. Switch to the ALL METAL (VLF) Mode for pinpointing.
2. Sweep the search coil across the target area in both directions to see if you can isolate the signal into more than one target.
3. If you do determine that there is more than one target present, try sweeping the coil over it at a more favorable angle in the DISCRIMINATE Mode to get a more reliable reading.

For example:



With the RB 10 in the VLF SPD Mode, increasing the sweep speed makes a "Good" signal better and a "Bad" signal drop out!

NOTE: Moving the DISCRIMINATE level to 9 position will cause the bottle cap to disappear more easily.

THE "TOO-BIG" TARGET SIGNAL

From time to time, you will acquire a good sounding signal that seems to pass all the tests for a coin or other valuable. It will be loud, clear and positive. In fact, targets like this are usually objects having a large surface area and may consist of an alloy or plating that will cause the detector to respond to the non-ferrous portion.

Among these may be aluminum containers, such as beer and pop cans, or a composite item such as a discarded alarm clock.

The big giveaway to this kind of signal will be it's size, both in ground area and signal strength. With practice, you will soon discover the depth capabilities of the RB 10 on certain coins and other objects. If, for example, you normally detect buried pennies at 5 or 6 inches with the coil just above the surface, and you get a strong signal even with the coil 10 inches above the ground, you know that it is not a penny--or even a quarter, or a dollar for that matter!

However, you may want to dig just for the heck of it -- to satisfy your curiosity! (It just might be a buried gallon can of coins if the location is right). So, when you get one of these "Super Signals" see how far you can raise the swinging search coil above ground before it fades.

PINPOINTING VERTICALLY (DEPTH ESTIMATING)

The coil-raising technique mentioned above may be used to pinpoint a target vertically. When you acquire a good, compact signal that passes all tests for a target dig, you may raise the coil as you swing until the signal fades and note the maximum distance of the coil from the ground.

Subtract this distance from the depth that a coin or similar object is usually detected and you will have a rough idea of the depth you must dig to uncover the object.

SECTION 4 CARE AND SERVICING

PROPER CARE FOR YOUR DETECTOR

Metal detectors are sensitive electronic instruments. Although it does not have to be babied, reasonable care must be taken to help ensure a long trouble-free life for your detector.

KEEP IT CLEAN---Take a few minutes after each use to remove dirt and dust. Wipe the housing and wash the coil, especially if it has been dipped in salt water. A plastic bag over the control box at the beach will help protect the unit from sand and prevent corrosion due to salt air.

KEEP IT COOL---Never store your detector in an extremely hot environment, such as an automobile trunk in the summer, for extended periods of time. The prolonged heat will not only shorten battery life considerably, but can cause electronic component breakdown.

KEEP IT SAFE---Never transport your detector in such a manner that will subject it to extreme vibration or shock. The unit may be cushioned by wrapping it in a blanket or by putting it in a carrying bag or case designed for the purpose.

BATTERY TIPS

USE HEADPHONES Headphones are a must if you wish to obtain the greatest possible detection depth! They reduce substantially the amount of noise caused by such things as traffic, wind, aircraft, ocean surf, etc. With the Bounty Hunter earphones available at your dealer, even the faintest, deepest targets are heard.

Headphones also increase battery life, as the power requirement for the audio circuitry is greatly reduced.

BATTERY REPLACEMENT Access to the RB 10 battery pack is gained by pulling out both plastic snap lock fasteners on the rear of the unit and removing the battery door.

The RB 10 is equipped with one 12-volt battery pack made up of 8 size AA penlight batteries. These batteries are easily replaced in the battery pack by pressing the battery against the spring at the negative end and pulling out at the positive end of the battery.

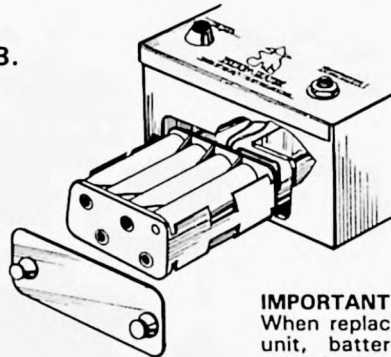
Be sure to observe battery polarity when replacing batteries. The plastic battery holder is marked for proper battery placement on the back of each cell position.

The battery lead connector snaps to the battery pack terminals as shown in Figure 8.

The battery cover will not close unless both the plastic snaps are pulled out.



Figure 8.



IMPORTANT:

When replacing battery pack in unit, battery lead connector must be on the top right hand side when the battery pack is replaced.

The RB 10 can be properly powered with any good quality AA Batteries. However, longer life can be realized with Heavy Duty or Alkaline type batteries. Rechargeable batteries may also be used and the Nickel-Cadmium packs and chargers are available as accessory items.

NOTES: Since each cell of the Ni-Cad battery pack only charges to 1.2 volts, instead of the usual 1.5 volts of a regular AA battery, a fully charged pack will only hold 9.6 volts. This will cause the meter to indicate only about .65 on the meter on a full charge, but it will power the RB 10 properly for approximately 9 hours.

IMPORTANT: To avoid short circuits and possible damage to the detector, replace the battery pack exactly as shown.

ALSO, avoid pinching or otherwise damaging the lead wires as the battery pack is replaced in the detector.

SERVICE TIPS

Your RB 10 will give you years of enjoyment and satisfaction if used properly. Problems do occur to even the most cautious treasure hunter. Here are some service tips if problems should arise.

1. Your detector will not operate:
 - a. Check the condition of batteries, battery pack, and battery terminal.
 - b. Check control settings.
 - c. Check coil cable insert.
2. Erratic Operation
 - a. Check battery condition and connection.
 - b. Insure that coil cable is wrapped firmly around tube and inserted properly into connector on detector body.
 - c. Use normal sensitivity position.
3. Pulsating speaker sound.
 - a. This problem may be caused by televisions, C.B. radios, power lines, or any other source of electricity. Move to another area away from the source of the interference. If the noise persists then your unit may need servicing.
4. Wavering or unit seems to "Lock Up."
(Lock up is when unit quits completely)
 - a. You may be too close to another person using the same type of detector. This will cause extreme interference especially if you are within ten feet of each other.

If the problem is still persisting after the above steps have been taken, send your metal detector along with a note explaining the nature of the problem, your name, address, and telephone number, to:

BOUNTY HUNTER®
1309 West 21st Street
Tempe, Arizona 85282-1198

Pack your detector in a sturdy card board box and make sure it won't rattle during shipment. The less problems incurred during shipment means you'll get your equipment back much sooner.

If you have just purchased your RB 10 within the last 60 days, there will be no charge; otherwise, send \$5.00 along with the detector to cover shipping and handling costs.

If you have any questions, check your warranty or call us at (602) 968-6400

PLEASE-----

Help protect our great hobby by respecting the rights of others. Always obtain permission before searching on private property. Be extremely careful with your probing, picking up and discarding trash, and ALWAYS COVER YOUR HOLES.

SECTION V

TREASURE HUNTING TIPS

1. Try to run your detector's search coil as close to the ground as you can without actually touching or scuffing the ground.
2. In order to thoroughly cover the area, always search in both directions. Many deeper coins on edge might be missed going north and south, but detected going east and west.
3. After you have dug up a coin, always re-check the hole. It is not unusual to find several coins in one hole.
4. If a strong signal is received but then lost after cutting a divot, check the loose dirt at the bottom of the hole for a coin on edge.
5. To obtain the best results in a particular area, try searching immediately following a good rain while the soil is damp. Coins, jewelry, and relics oxidize. This oxidation causes a "halo" effect surrounding the item. The longer an item is buried, the larger it appears to the detector. This halo effect signals stronger at this time, but probing is also easier when the ground is soft.
6. When beachcombing, look for the concession stands. Around these stands, and the surrounding beach area is excellent for coinshooting.
7. Don't forget to check the shallow water in swimming areas. Many rings and coins are lost when people enter the water.
8. When beachcombing on ocean beaches, check history records to locate sunken ships. Rare old coins, goldpieces, and artifacts will sometimes wash ashore after a storm.
9. When ghosttowing, try to get a picture or a layout of that old town in order to determine where the church, post office, saloon, general store, etc. were located. This will also show you where money was handled and most likely lost.
10. When ghosttowing or hunting around old buildings, try to think like the oldtimer thought: "If I couldn't get to a bank, where would I safely hide my valuables?"
11. Do not worry about how many times a particular area has been searched. Usually the very best finds still remain in a supposedly "worked" area. Persistence and a positive attitude are the two main ingredients for successful treasure hunting.
12. Use your imagination. It's your best source for ideas of places to search-possibly productive areas previously overlooked by other's but.....
13. Also listen to the "pros" with many years of Treasure Hunting experience. If they say that old church yards are good for old coins, or swimming areas are the best places to find lost jewelry, etc., you can bet that they know what they are talking about.
14. Never ask permission to treasure hunt over the telephone. People tend to visualize you using a pick and shovel.
15. Join a local historical society or get acquainted with its members.
16. Join or form a local treasure club. In many cases, clubs and organized, responsible groups can gain access to areas that individuals could not.

AGAIN....Remember, in the modern metal detector, modern science has given us a valuable and exciting way to search the past for objects of historical and monetary value. In many countries of the world today, metal detection and the treasure hunting hobby have been drastically curtailed as a result of inconsiderate acts of treasure hunters who did little more than vandalize! Let us consider it a privilege to keep it alive by careful and considerate hunting.

(FILL IN CARD BELOW AND MAIL)

Warranty Registration _____

The following equipment is hereby registered and guaranteed as described only if this card is filled in and mailed within ten days of purchase.

Purchaser _____

Street Address _____

City _____ State _____ Zip _____

Model _____ Date of Purchase _____

Where Purchased _____

Where did you see item advertised? _____

Comments _____

Treasure Hunter's Code of Ethics:

1. Respect the rights and property of others.
2. Observe all laws, whether national, state or local. Aid law enforcement officials whenever possible.
3. Never destroy priceless historical or archeological treasures.
4. Leave the land and vegetation as it was. Fill in all holes.
5. Remove all trash and litter when you leave.
6. All treasure hunters may be judged by the example you set. Always conduct yourself with courtesy and consideration for others.

BOUNTY HUNTER[®]

METAL/MINERAL DETECTORS
1309 West 21st Street
Tempe, Arizona 85282-1198
602/968-6400



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FIRST CLASS
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