BOUNTY HUNTER®

MINI MRB RED BARON

NEW!

Red Baron Power In A Small Package*

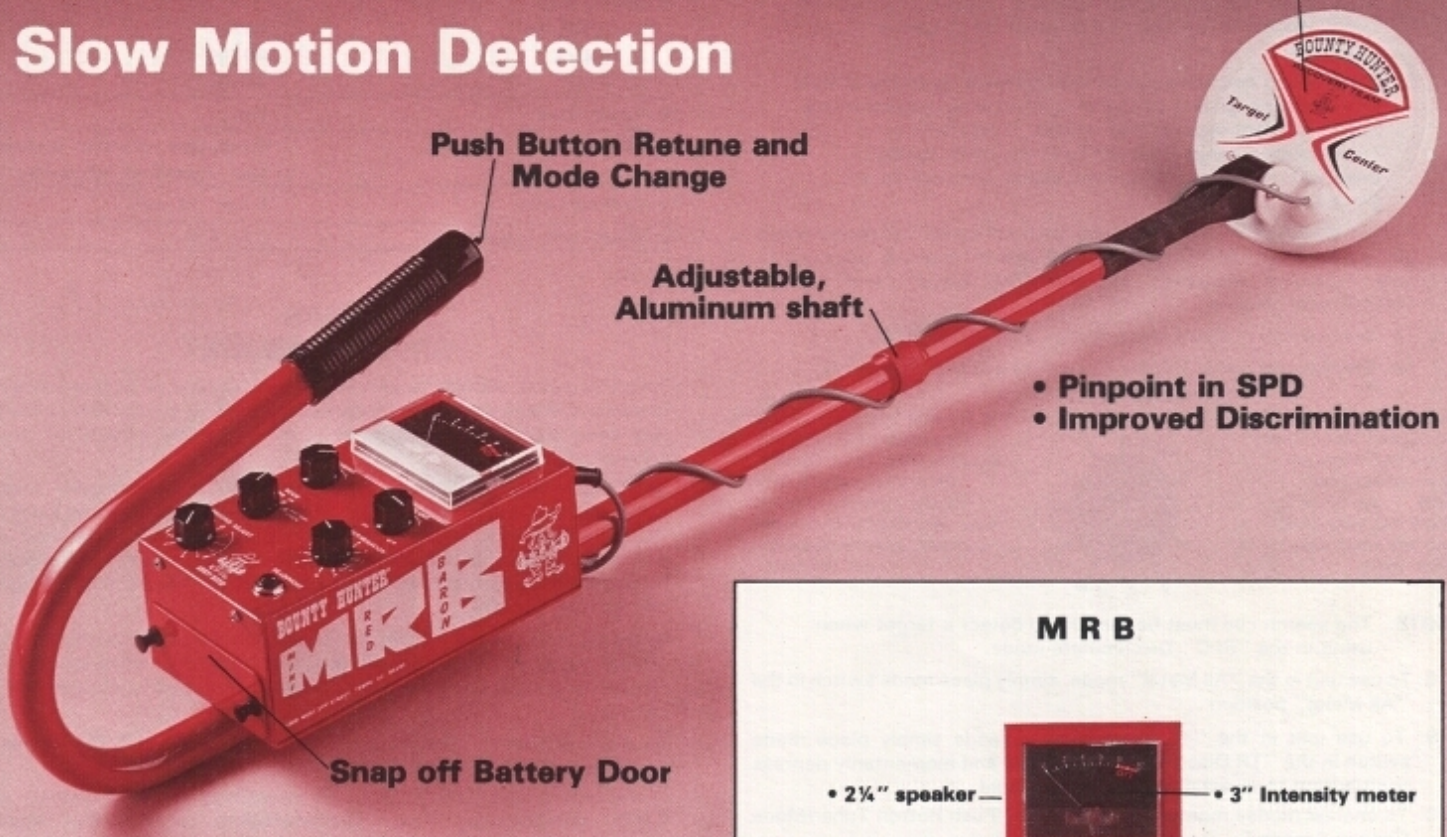
Slow Motion Detection

Six inch Coplanar coil, waterproof & lightweight

Push Button Retune and Mode Change

Adjustable, Aluminum shaft

- Pinpoint in SPD
- Improved Discrimination



Snap off Battery Door

***Lightweight 3 lb. 4 oz.**
One Battery Pack, 8 AA Batteries

Typical Depth Range* MRB w/6" Coil

Test Objects	Distance from Coil	
	From	To
Dime	8"	12"
Penny	10"	14"
Quarter	11"	15"
Half Dollar	12"	16"
Silver Dollar	13"	17"
3½" Jar Lid	20"	25"
Cannon Ball	30"	34"

*These performance figures are based upon Air Test performed in our laboratories. While these figures do not necessarily represent how the detector will operate in the field, they are given as an aid to the buyer to show comparative performance relative to our own instruments.

MRB

- 2¼" speaker
- 3" Intensity meter
- Tuning Control
- on/off volume
- Mode select and Battery Check Control
- Disciminate Level Control
- Ground Adjust Control
- ¼" Headphone Jack

MONT'S RELIC JUNKTION

544-9657

BOUNTY HUNTER®

***Lifetime Warranty**

MRB
BH-7000

SIMPLIFIED OPERATING INSTRUCTIONS

These simplified instructions are merely intended to be a quick introduction to the detectors operation. For the most accurate and successful usage, it is imperative that the detailed operating instructions be read and understood thoroughly.

Hold unit so coil is approximately 2 feet off the ground and away from any metal objects.

1. Place mode switch in "SPD DISC" position.
2. Turn volume control fully clockwise.
3. Adjust tuning control for slight sound. The unit is now completely tuned and is ready to be ground adjusted.
4. Place mode switch in "All Metal" mode and with the coil approximately 2 feet off the ground...
5. Lower coil to the ground...

   A . If the sound increases, raise the coil back up to the 2 foot level and turn ground adjust knob counterclockwise (approximately one division) depress and release "Push-Button Tuner/Mode Change Switch" to re-establish tuning threshold.

   B . If the sound decreases, raise the coil back up to the 2 foot level and turn ground adjust knob clockwise, (approximately one division) depress and release "Push-Button Tuner/Mode Change Switch" to re-establish tuning threshold. Do not adjust ground adjust with coil on the ground.

   Repeat step A or B until you obtain the least amount of sound when going from "Air" to "Ground." Once this is obtained, your unit is fully "Ground Adjusted" in both "All Metal" and "SPD" Discriminate" modes.
6. To Discriminate — Place mode switch in "SPD DISC".
7. Set Discriminate Level Control to desired position.

DISCRIMINATION CONTROL

By switching to the "Discriminate" Mode, many unwanted items are rejected automatically. These items include foil, wire, nails and any small size linear scrap.

The drawing to the left shows the sequence of rejection using the Disc. Level Control. Each instrument is individually calibrated. Levels may vary slightly from what is shown, but the sequence is still the same.

NOTE: The search coil must be moving to detect a target when using in the "SPD" Discriminate mode.

8. To use unit in the "All Metal" mode, simply place mode switch in the "All Metal" position.
9. To use unit in the "TR Discriminate" mode simply place mode switch in the "TR Discriminate" position, and momentarily depress push-button to re-establish tuning threshold.
10. To change modes momentarily, depress "Push Button Tuner/Mode Change Switch."

    EXAMPLE: A. If searching in the "All Metal" mode, depressing the pushbutton switches the unit into the "S.P.D. Discriminate" mode for as long as the pushbutton is depressed.

    B. If searching in the "S.P.D. Discriminate" mode depressing the pushbutton switches the unit into the "All Metal" mode for as long as the pushbutton is depressed.

    C. If searching in the TR Discriminate mode depressing the pushbutton switches the unit into the "S.P.D. Discriminate" mode for as long as the pushbutton is depressed.

MRB SPECIFICATIONS

1. Operating Frequency	7.00 KHz
2. Audio Frequency	420 Hz
3. Operating modes	SPD VLF/All Metal TR/Discriminate
4. Ground Adjust	Single Turn
5. Output Indication	3" Meter 1 MA Movement
6. Speaker	2¼" 16 Ω impedance
7. Battery Current Consumption	
A. No sound	38 MA
B. Normal Operation (Threshold)	45 MA
C. Full sound	115 MA
8. Battery Supply	8 ea. AA
9. Battery Life	
A. Carbon Zinc	16 Hrs
B. Alkaline	40 Hrs
C. Ni-cad	10 Hrs
10. Battery Test	Yes
11. Coil Diameter	6 inch Ultra wide scan Coplonar loop, waterproof, lightweight
12. Optional Coil(s)	8 inch, 12 inch
13. Weight with batteries	3 lb. 4 oz.

MRB GROUND ADJUST

This procedure, though to perform is quite simple, is in fact extremely important. When the unit is "Ground Adjusted" it simply means the unit has been electronically adjusted to eliminate the effects of ground mineralization.

Most metal detector manufacturers have the "Ground Adjust" feature, although they may call it "Ground Compensation", "Ground Control", "Ground Rejection", or "Ground Cancellation", and it's true their units can be adjusted to eliminate the effects of ground mineralization; however, this is only true as long as the units are used in the "All Metal" or "Normal" modes.

While searching in the TR Discriminate mode the user does not have the ground adjust and depth capabilities; therefore, depending upon the extent of mineralization in the soil, the loss of all or nearly all depth will occur.

As a rule of thumb...The more mineralization in the soil, the less depth capabilities one has in the TR-Discriminate mode.

It was not until BOUNTY HUNTER introduced the revolutionary new S.P.D. (Synchronous Phase Discrimination) circuitry that enabled discrimination not only at VLF depths, but this patented feature made it possible to discriminate while rejecting the effects of ground mineralization.

MRB SYNCHRONOUS PHASE DISCRIMINATION

(Pat No. 4128803)

Another Bounty Hunter FIRST. The revolutionary S.P.D. 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 - leaving only the sound of the target itself to analyze.

SYNCHRONOUS PHASE DISCRIMINATION

COMPARE PERFORMANCE

The MRB is one of the most powerful and versatile Metal Detectors ever produced for the Treasure Hunter. Shown on the right is the relative performance of:

A - Detector with VLF

B - Standard TR Discriminate

C - SPD Discriminate