



TREASURE LOCATOR HIPMOUNT

MODEL NO. 59604
321.59604

assembly

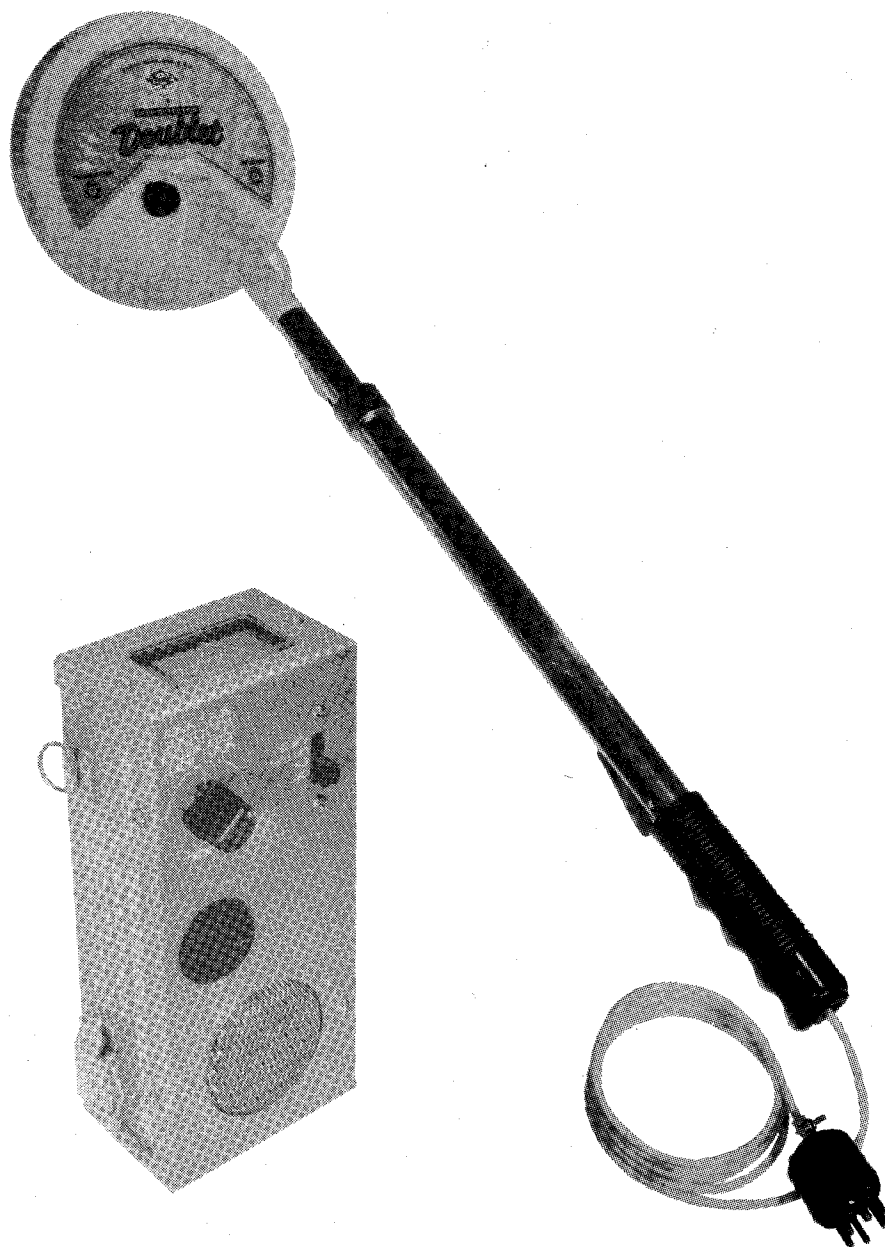
control description

trouble shooting

operation procedure

maintenance

OWNER'S MANUAL



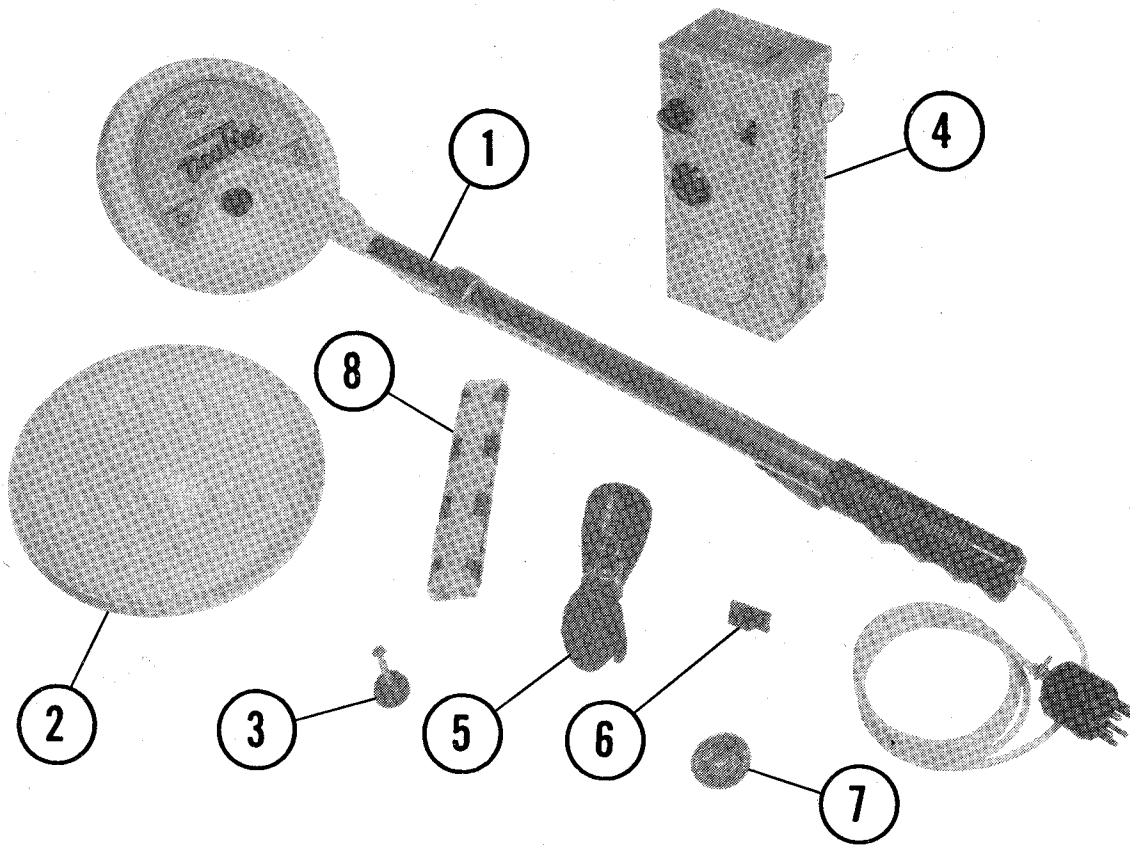
Sears
Treasure Locator
Hipmount

(MODEL 59604)

Introduction

There are two main types of metal detectors currently available: Beat Frequency Oscillators (BFO) and Transmitter-Receiver (TR). For many years the BFO was the best available, but recent developments have made the TR instruments much more sensitive, reliable, and easier to use. The Sears Treasure Locator Hipmount incorporates the very latest of these advances and is unexcelled for performance among metal-mineral detectors.

This OWNER'S MANUAL, is designed to help you get the most out of your Sears detector. Read the instructions carefully, practice often, and take care of your instrument—you have the finest equipment money can buy. The rest, of course, is up to you!



Unpacking Your Sears Treasure Locator Hipmount

When you unpack your Sears Hipmount, compare what you've got with the picture above.

IF ANY PARTS ARE MISSING, CONTACT YOUR SEARS STORE AT ONCE. This kit includes:

- | | |
|-------------------------------|-------------------|
| 1. Probe and Rod Assembly | 5. Shoulder Strap |
| 2. Protective Loop Cover | 6. Mineral sample |
| 3. Thumbnut and Retainer Bolt | 7. Coin Sample |
| 4. Treasure Locator | 8. Battery Pack |

ASSEMBLY INSTRUCTIONS

(Figure 1)

The only assembly required is the attachment of the six-inch loop to the Loop Rod (6). Do this by following these easy steps:

- Insert Isolator (1) into Loop Rod (6). Depress the small button on the bottom of the Isolator (1) so that it slips inside the Loop Rod (6).
- Gently push the lower end of the Isolator (1) between the mounting flanges (2) of the detector loop.
- Align the bolt holes and gently force the Loop Retainer Bolt (3) through.
- Screw the Thumbnut (4) onto the loop bolt and tighten it FINGERTIGHT.

CAUTION

The Loop Cable Connector (5) is a **WATERTIGHT SEAL—DO NOT TRY TO TIGHTEN OR LOOSEN IT IN ANY WAY.** Tampering with this connector will destroy the seal and void your Warranty.

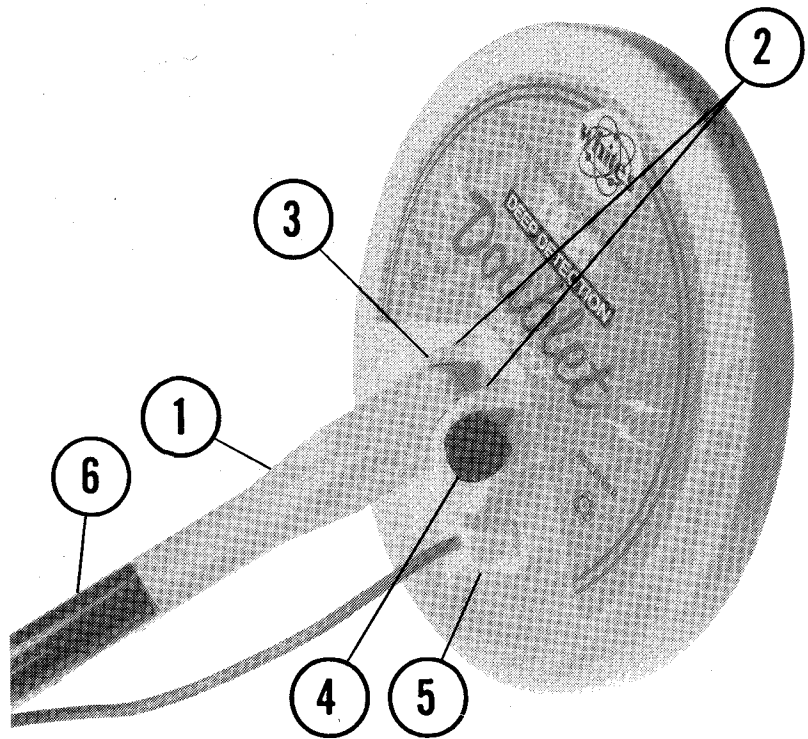


Figure 1

CONNECTING DETECTOR LOOP

(Figure 2)

In general, it is best to put on the instrument case with the carrying strap or straps in whatever position seems the most comfortable, then connect the Cable Connector (7) in the following manner:

- Align the dot (9) on the Cable Connector (7) with the dot (9) in the Case Connector (8).
- GENTLY push the pins of the Cable Connector (7) into the aligned holes of the Case Connector (8). It should go together very easily—DO NOT FORCE IT.

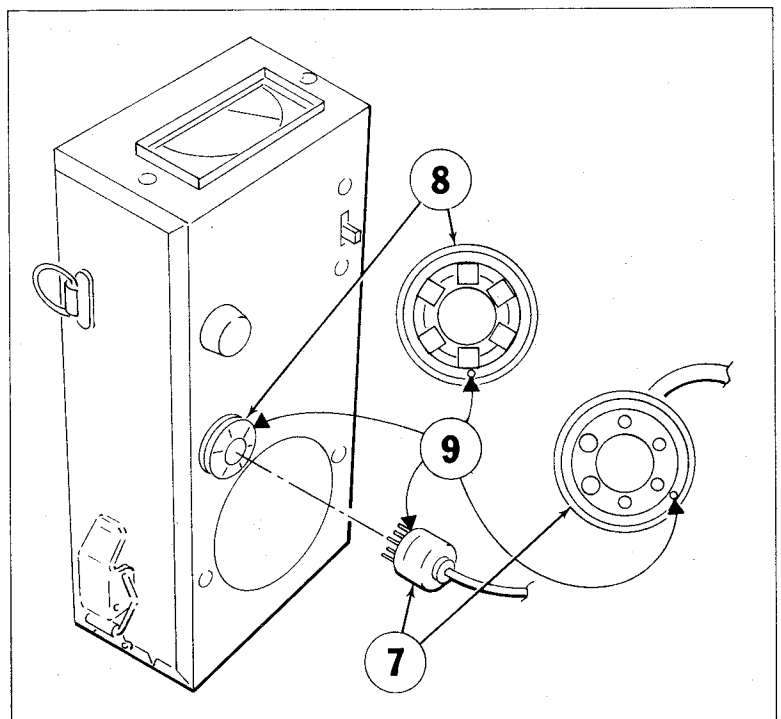


Figure 2

Battery Installation

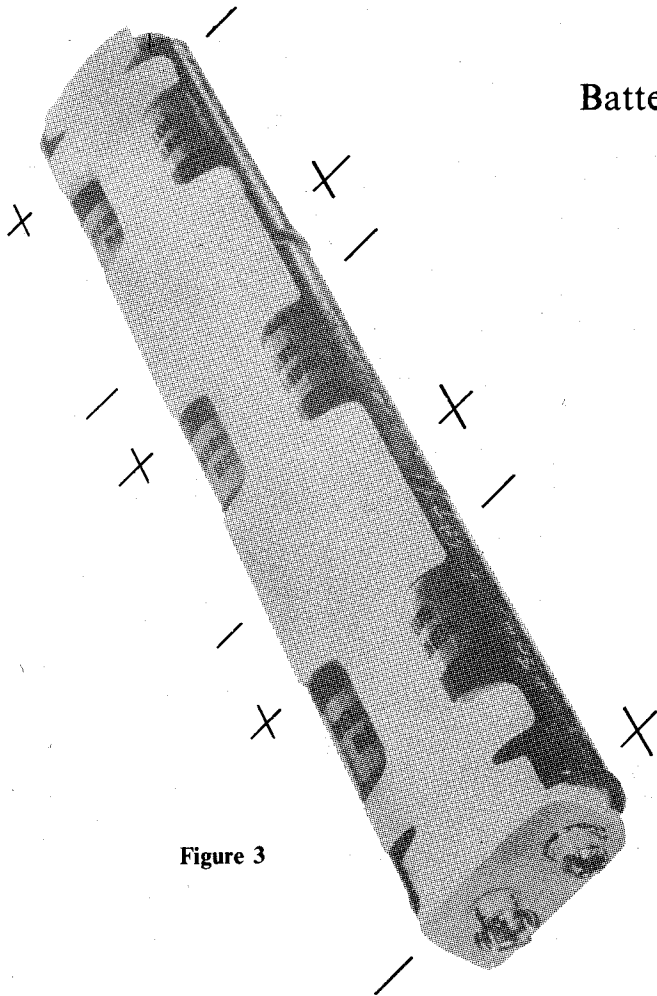


Figure 3

Battery Installation (Figures 3 & 4):

- A. Check the Battery Pack (Fig. 3) for polarity—each AA penlight battery should have negative (—) end compressing the spring inside its holder and positive (+) end should be at the end without spring. **POSITIVE (+) AND NEGATIVE (—) ENDS OF THE BATTERIES SHOULD ALTERNATE AS SHOWN IN FIGURE 3.**

- B. Connect Battery Pack (Fig. 3) to Battery Connector (Fig. 4). **NOTE THAT CONNECTOR WILL ONLY FIT ONE WAY.**

- C. Install Battery Pack (Fig. 3) inside Battery Compartment (Fig. 4).

NOTE:

When closing Battery Access Door, always make sure that wires are not pinched between door and instrument case.

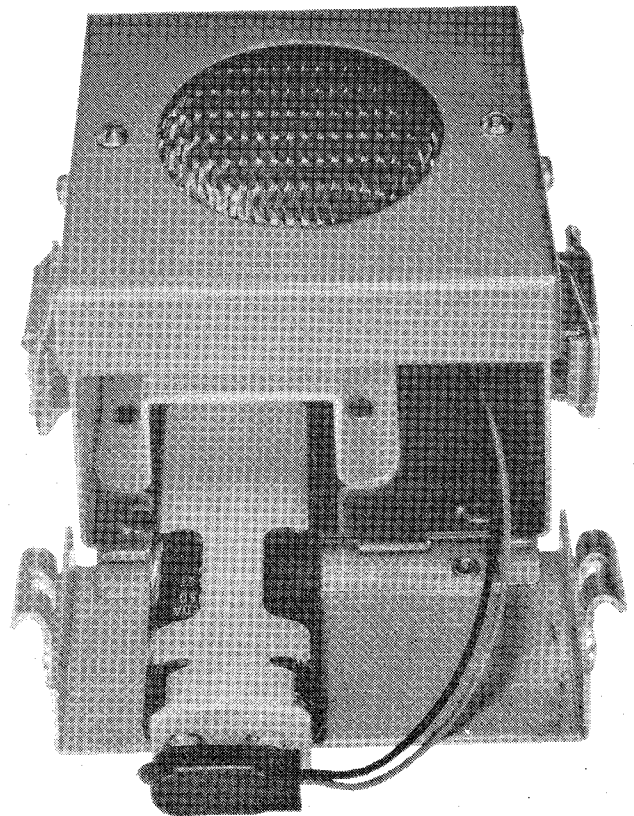


Figure 4

Battery Testing

Condition of batteries may be tested at any time by sliding the Power/Battery Test Switch (Number 1, Fig. 6) to the BAT CHECK position. You will note that there are 3 positions to this switch: OFF/ON/BATTERY CHECK.

IF THE METER NEEDLE DOES NOT COME ALL THE WAY UP TO THE "BAT CHECK" ZONE WHEN THE TREASURE LOCATOR HIPMOUNT IS FIRST ASSEMBLED, THEN AT LEAST ONE BATTERY IN THE PACK BEING TESTED IS PROBABLY INSTALLED BACKWARDS. In this case, remove the battery packs and repeat battery installation steps. If the batteries should ever fail to measure up after a long period of use, then they are probably running down.

If the battery test shows that the batteries do not come up to the "BAT CHECK" zone after a period of service, the batteries should be replaced.

Tuning Procedure

The Treasure Locator Hipmount has 2 operating controls:

- (1) Power Switch
- (2) Main Tuner

In addition the instrument is equipped with a signal intensity meter (3) and audio-speaker (4).

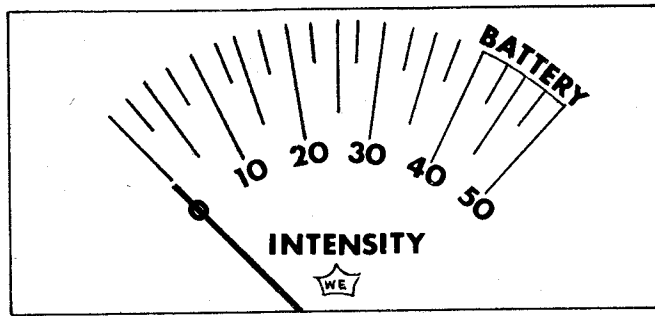


Figure 5

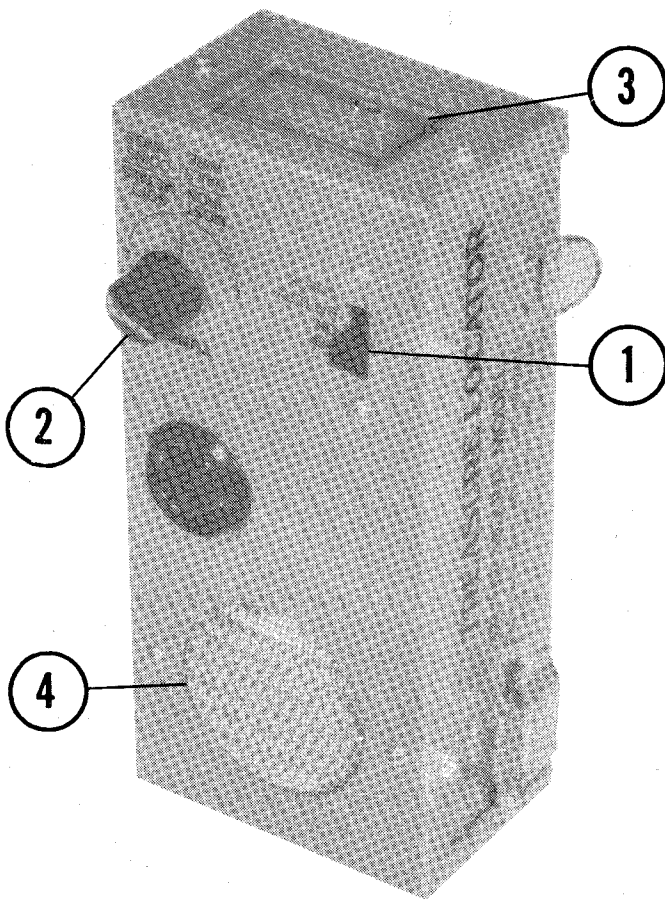


Figure 6



Figure 7

TUNING THE TREASURE LOCATOR HIPMOUNT:

Set your Treasure Locator Hipmount on a table with the loop extending into the air, AWAY FROM ANY METAL, as shown in Figure 7. Place a medium-thick book on the probe handle so that it remains steady while you are getting familiar with this operation. NOTE: The fellow in the picture has removed his watch and rings so that there is no metal on his hands that might interfere with tuning. You should do the same.

To tune the Treasure Locator Hipmount for maximum sensitivity, follow these simple steps carefully. If you have never used a metal detector before, BE SURE that you "test tune" as outlined below before you try it on the ground. In some areas of the country the ground itself can cause false signals that make first-time tuning for a novice very difficult.

Please refer to figure 6 for the following:

- I. Set controls:
 - A. Turn Main Tuner (2) LEFT.
 - B. Turn Power Switch (1) ON.

DO YOU HEAR A TONE FROM SPEAKER

IF YES—Then find the NULL—Turn Main Tuner (2) RIGHT until tone goes away.

If you do not get a tone, go to BATTERY INSTALLATION on Page 4 and check proper installation.

- II. SET MAIN TUNER (2) FOR A SOFT METAL THRESHOLD. From the NULL, turn main tuner LEFT (toward soft metal arrow) until tone just starts (10 to 40 on Signal Intensity Meter).

Hold a coin in front of loop face and note how the tone changes as you move the coin closer to the loop and back and forth across the loop face. NOTE: Do not place the coin directly on the loop when making these tests.

You have now tuned the Treasure Locator Hipmount for the best search sensitivity. Coins, rings, bottle caps, jewelry, pull tabs, and many other metal objects will now cause the tone to increase sharply as they come into the loop field. Objects that are mostly iron or steel will cause the THRESHOLD TONE to disappear.

At this point the Treasure Locator Hipmount is fully "BENCH TUNED". Make a final test with both the coin and mineral sample to make sure that the instrument will get louder for the coin and quieter for the mineral sample. Further adjustment, should it become necessary, will be done with the loop on the ground to compensate for mineralization of the soil which can cause "false readings" in some parts of the country.

REPEAT ALL STEPS UNTIL YOU CAN DO THEM WITHOUT LOOKING AT THE MANUAL. THEN YOU WILL BE READY TO WORK IN THE FIELD.



Figure 8

Once you have tuned the detector on the ground and you start sweeping the loop back and forth, you will notice that you get a “false signal” every time you pass the loop over a depression or raise the loop to go over a clump of grass. To cope with this, detune the detector by turning the Main Tuner back into the NULL. Try and keep the loop as close to the ground as possible without scraping (This “best height” will vary with conditions; grass height, stones, and bumps will affect it). A sharp “Bleep”, or increase in the tone, will tell you that you have passed over or near a metal object.

How To Search

In order to get acquainted with the kinds of sounds produced by various kinds of buried objects, the serious coinshooter plants a “test garden” that serves two functions: First, it enables the operator to get familiar with known objects at known depths and the kinds of sounds that can be expected. Second, it provides a method of checking the performance of the instrument over a period of time, making sure that it is still performing at top efficiency. Bury some coins, tinfoil, bottlecaps, and other metal objects at known depths in an area where you can always get to them and will remember where they are. After you have gotten familiar with what you’ve planted, have someone else plant some of these items where you **don’t** know exactly where they are. See if you cannot only find them, but identify them before you dig them up. NOTE: When you bury coins, do not bury them more than three inches down. This is the limit for a freshly-buried coin (in the ground less than a year); a coin that has been buried for a long time (and is thus more valuable!) causes a chemical “halo effect” in the soil around it and acts like a much larger, and easier to find, target.

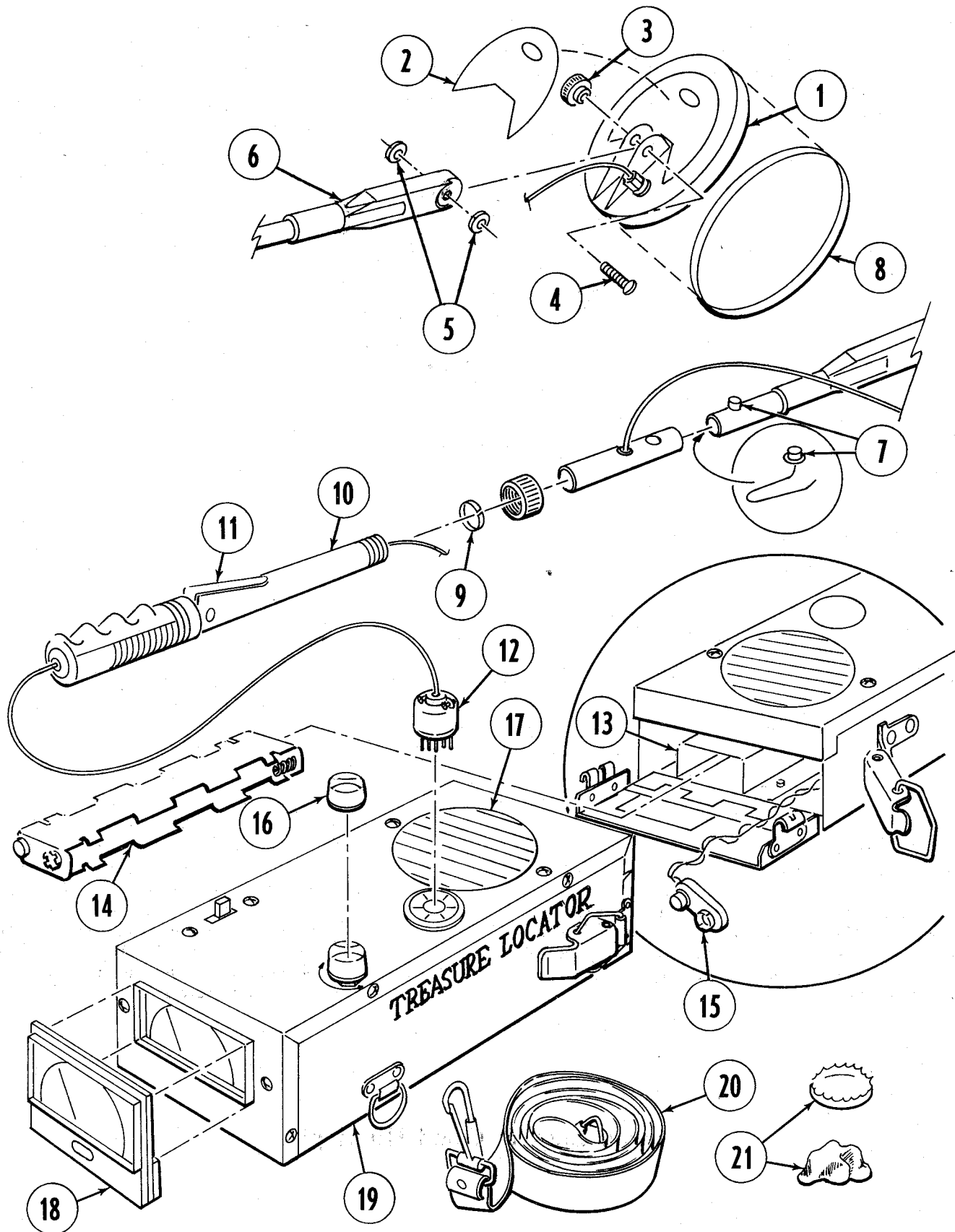
MINERAL SETTING

All through the preceding instructions, you have been told to tune your detector for a **SOFT METAL THRESHOLD** tone by turning the Main Tuner **LEFT** out of the quiet **NULL**. This setting will pick up non-ferrous metal objects—gold, silver, etc.—as an increase in the tone and allow ferrous (iron-containing) objects to drop the tone. You need to know that there is also a **MINERAL THRESHOLD** on the other side of the **NULL** where this order is reversed. This is labeled **MOST IRON**.

If you wanted to find objects that are primarily made of iron, you would find the **NULL** as before, but turn the Main Tuner out of the **NULL** to the **RIGHT** instead of the **LEFT**. Now, ferrous objects will cause the tone to increase and gold and silver and other non-ferrous objects will cause the tone to decrease or go away. This feature is a useful one, especially if you want to clear a driveway of nails, for instance, or find a chunk of barbed wire in that cow’s tummy. Be sure, however, that you don’t try to go coinshooting with the detector set for a mineral threshold—you are bound to have a bad day!

Good Luck & Good Hunting!

Illustrated Parts Diagram Fig. 1



ASSEMBLY PARTS

Key No.	Part No.	Part Name
		Loop Assembly
1	L6S1	6" Electronic Search Loop
2	624-0004	Decal
3	402-0004	Thumb Nut
4	528-0047	Round Head 8/32 × 1½" Brass
5	501-0010	Neoprene Washers 2 (ea)
6	501-2008	Plastic Rod Isolator
7	500-2113	Spring Clip W/Button
8	501-0002	6" Loop Cover
		Rod Assembly
9	500-0096	Fiber Compression Ring
10	500-0105	Rod Complete
11	500-0114	Belt Clip Stainless
		Case Assembly
12	520-0042	Loop Plug 6-Pin
13	501-0008	Battery Compartment
14	523-0012	Battery Holder
15	520-0017	Battery Connector 9-Volt
16	402-0019	Tuner Knob
17	500-0090	Speaker Grille
18	400-0022	Meter
*19	802-0001	Case Complete W/Battery Compartment
20	521-0003	Carrying Strap
21	627-0053	Metal & Mineral Sample

*Special Order, Allow 60 Days.



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OWNER'S MANUAL

Refer to the serial number plate for the Model Number when requesting service or replacement parts for your Sears Treasure Locator Hipmount.

All parts listed herein with a part number may be ordered through SEARS, ROEBUCK AND CO.

When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING PARTS, ALWAYS GIVE THE FOLLOWING:

- | | |
|-----------------|--------------|
| 1. Model Number | 3. Part Name |
| 2. Part Number | 4. Quantity |

WARRANTY

All parts contained in this equipment are warranted to be free from defect for 24 months from date of original purchase. Within this period we will replace or repair any defective part, or at our option, will repair the equipment without charge to the owner for parts or labor incurred in such repair. This Warranty will not apply to equipment which has been subjected to misuse, accident or neglect.

SEARS, ROEBUCK AND CO., Chicago, IL 60684

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