

 **BOUNTY HUNTER**® <sup>TM</sup>

# Pioneer 202

## METAL DETECTOR

### OWNER'S MANUAL

Your Pioneer 202 is an advanced technology metal detector which incorporates patented microprocessor-controlled technology, designed for a variety of applications including coinshooting, relic hunting, and general purpose detecting. The Pioneer 202 is a motion detector; movement over an object is required in order for the machine to detect the object and emit a tone. Alternatively, you can sweep a metal object over a motionless searchcoil.

Before using your Pioneer 202, it is important to read these instructions. This manual's description of detection concepts and types of metals is necessary to avoid frustration if you are new to the hobby of metal detecting.

#### **THIS METAL DETECTOR HAS TWO TYPES OF OPERATING MODES:**

##### **1. ALL METAL DETECTION**

All metals will be detected.

##### **2. DISCRIMINATE, NOTCH, and AUTO NOTCH modes**

In any of these three detection modes, the detector will emit different tones, depending upon the type of metal present. The characteristics are adjustable. Depending on the detector control settings, some metals will also be eliminated from detection.

**DISCRIMINATE:** Eliminates iron and trash items with the use of the DISC/NOTCH knob.

**NOTCH:** Provides an adjustable rejection "window" to eliminate undesirable metals from detection. Move the rejection "window" with the DISC/NOTCH knob.

**AUTO NOTCH:** Provides a pre-set rejection "window", automatically eliminating most pull-tabs and trash items from detection.

#### **CAUTION:**

- Do not test the detector by placing coins or metal objects on the floor. Most floors contain metal, which will cause interference.
- Use 9-VOLT ALKALINE batteries only.

***DO NOT USE INDOORS. LIGHTS AND HOUSEHOLD APPLIANCES EMIT ELECTROMAGNETIC FIELDS WHICH INTERFERE WITH THE DETECTOR'S OPERATION***

# TABLE OF CONTENTS

|                                               |            |
|-----------------------------------------------|------------|
| <b>TERMINOLOGY</b> .....                      | 3          |
| <b>ASSEMBLY</b> .....                         | 4          |
| Easy Assembly .....                           | 4-5        |
| <b>INSTALLING BATTERIES</b> .....             | 6          |
| <b>DEMONSTRATION</b> .....                    | 7          |
| <b>BASIC OPERATION</b> .....                  | 8          |
| Turning on Your Detector .....                | 8          |
| Set the Mode .....                            | 8          |
| Reading the Display .....                     | 9          |
| Low Battery Indicator .....                   | 10         |
| Depth Indicator .....                         | 10         |
| <b>SENSITIVITY ADJUSTMENT</b> .....           | 10         |
| <b>MODES OF OPERATION</b> .....               | 11 & 12    |
| <b>AUDIO TARGET ID</b> .....                  | 13         |
| <b>IN THE FIELD TECHNIQUES</b> .....          | 14         |
| Pinpointing .....                             | 14         |
| Coil Movement .....                           | 14 & 15    |
| <b>METAL DETECTING APPLICATIONS</b> .....     | 16         |
| <b>TROUBLESHOOTING</b> .....                  | 17         |
| <b>CARE &amp; MAINTENANCE</b> .....           | 18         |
| <b>TREASURE HUNTER'S CODE OF ETHICS</b> ..... | 19         |
| <b>WARRANTY INFORMATION</b> .....             | 19         |
| <b>ACCESSORIES</b> .....                      | BACK COVER |

The **BOUNTY HUNTER PIONEER** series of metal detectors is not associated or connected in any way with Pioneer Corporation or its PIONEER brand audio and video products or other products.

# TERMINOLOGY

The following terms are used throughout the manual, and are standard terminology among detectorists.

## **ELIMINATION**

Reference to a metal being "eliminated" means that the detector will not emit a tone, nor light up an LCD indicator, when a specified object passes through the coil's detection field.

## **DISCRIMINATION**

When the detector emits different tones for different types of metals, and when the detector "eliminates" certain metals, we refer to this as the detector "discriminating" among different types of metals. Discrimination is a fixed-start-point elimination system.

## **NOTCH**

Notching is the elimination of an item, or range of items, within the metallic spectrum. We "notch-out" an object selectively. Objects to the left and right on the metallic spectrum are retained. Notching creates a variable rejection window.

## **RELIC**

A relic is an object of interest by reason of its age or its association with the past. Many relics are made of iron, but can also be made of bronze or precious metals.

## **IRON**

Iron is a common, low-grade metal that is often an undesirable target in certain metal detecting applications. Examples of undesirable iron objects are old cans, pipes, bolts, and nails. Sometimes, the desired target is made of iron. Property markers, for instance, can contain iron. Valuable relics can also be composed of iron; cannon balls, old armaments, and parts of old structures and vehicles can also be composed of iron.

## **FERROUS**

Metals which are made of, or contain, iron.

## **PINPOINTING**

Pinpointing is the process of finding the exact location of a buried object. Long-buried metals can appear exactly like the surrounding earth, and can therefore be very hard to isolate.

## **PULL-TABS**

Discarded pull-tabs from beverage containers are the most bothersome trash items for treasure hunters. They come in many different shapes and sizes. We have incorporated special features into the detector to let you automatically eliminate the most common types, using the AutoNotch Mode. Since there are many different types, some must be "Notched-Out" manually.

## **GROUND BALANCE**

Ground Balancing is the ability of the detector to ignore, or "see through," the earth's naturally occurring minerals, and only sound a tone when a metal object is detected.

## **WATERPROOF**

The search coil can be submerged in water. The control housing and cable-to-housing connection must, however, stay dry.

## **COINSHOOTING**

Finding buried coins is the most popular metal detecting application. The most valuable are very old; take care in unearthing them to avoid damage.

## **CACHE HUNTING**

Pronounced "cash". A cache is a buried or hidden valuable stored inside a case, strong box, or bag.

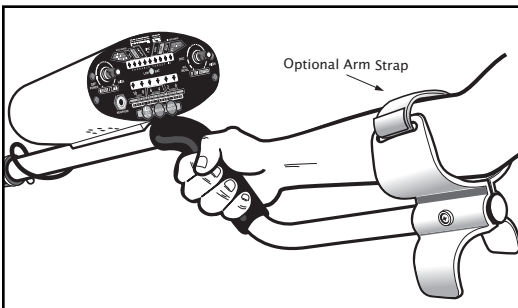
# ASSEMBLY

## Adjusting the Arm Rest

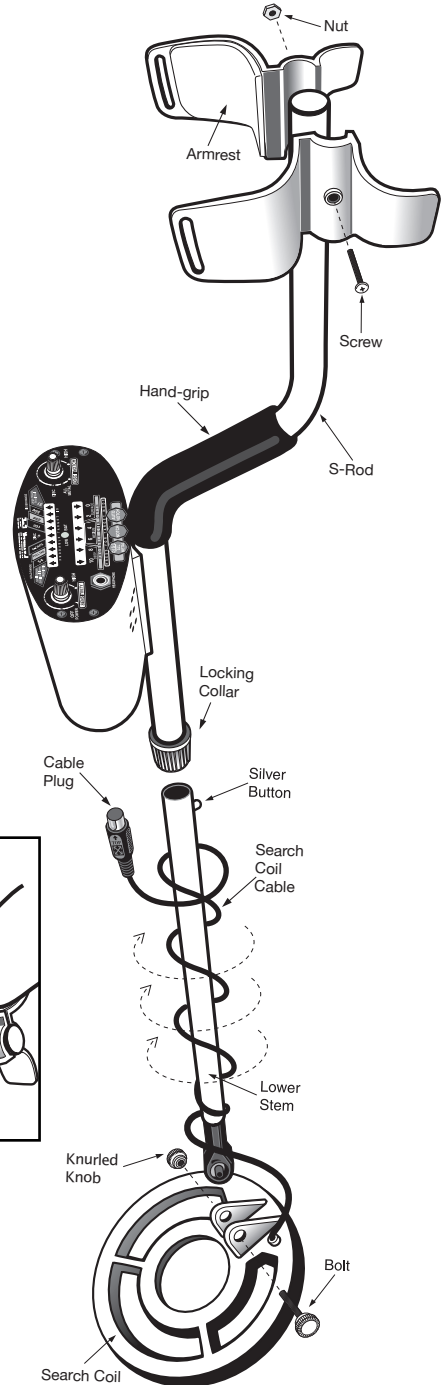
The arm rest may be moved forward or backwards by removing the single screw and nut, and then repositioning the 2-piece arm rest. Users with shorter arms may find the arm rest more comfortable in the forward position. In order to move the arm rest backwards, the plastic plug must be removed from the aluminum tube.

## Arm Rest Strap (not included)

Some users prefer to use a strap when swinging the detector vigorously, in order to hold the detector secure against the arm. The strap may be purchased as an optional accessory.

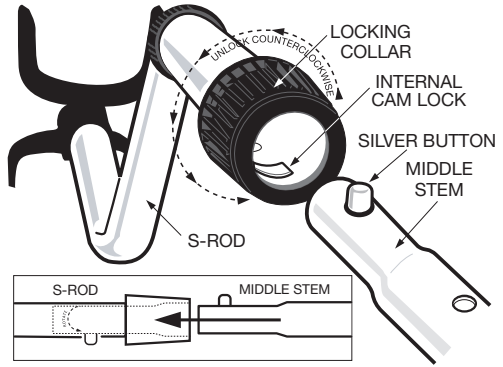


The detector can also be used without the strap with no compromise to detector balance and stability under most conditions.



## Assembly is easy and requires no tools.

- 1 Position detector upright.
- 2 Rotate the LOCKING COLLAR fully in a counter clockwise direction.
- 3 Insert your finger inside the tube and make sure the INTERNAL CAM LOCK is flush with the inside of the tube.
- 4 Insert the LOWER STEM into the S-ROD.
- 5 Rotate the LOWER STEM until the SILVER BUTTON locates in the hole.
- 6 Twist the LOCKING COLLAR fully in the clockwise direction until it locks.
- 7 If your detector has 3 tubes and 2 locking collars, repeat this process on the Middle Stem.
- 8 Position the Lower Stem (the straight tube) with the Silver Button toward the back. Using the Bolt and Knurled Knob, attach the Searchcoil to the plastic extension protruding from the Lower Stem.
- 9 Press the button on the upper end of the Lower Stem, and slide the Lower Stem into the S-Rod.

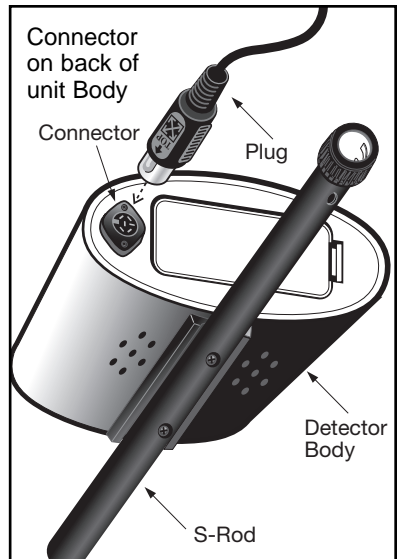


Adjust the Stem to a length that lets you maintain a comfortable upright posture, with your arm relaxed at your side, and the Searchcoil parallel to the ground in front of you.

- 10 Wind the Cable securely around the Stem.
- 11 Insert the Plug into the matching Connector on the right underside of the Detector Body. Be sure that the key-way and pins line up correctly.

**Caution:** Do not force the plug in. Excess force will cause damage. To disconnect the cable, pull on the plug.

**Do not pull on the cable.**



# BATTERIES

**IMPORTANT:** Always use **ALKALINE** batteries only.  
Do not use heavy duty batteries.

Always remove the batteries for prolonged storage.

**CHECK THE BATTERIES** if your detector exhibits any of the following symptoms:

- ❶ The unit does not turn on.
- ❷ Low speaker volume.
- ❸ Unit beeps continuously or erratically.

The Low Battery indicator light will come on and stay on whenever the batteries need replacing. It should flash momentarily when the Power Switch is turned off. The flashing indicator tells you that your batteries are in good condition.

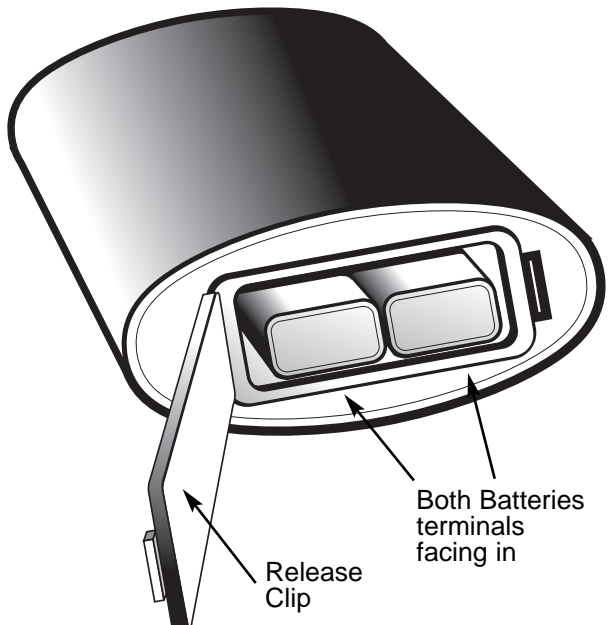
**IMPORTANT:** Your Pioneer 202 metal detector requires two 9-Volt **ALKALINE** batteries.

*Follow these steps to install the batteries.*

- ❶ Carefully remove the battery compartment door by pressing the release clip on the right side of the door.
- ❷ Snap one battery onto each of the terminals and place the batteries inside the compartment.

Insert both of the batteries with terminals facing inward.

- ❸ Replace the compartment door by carefully inserting opposite side of clip first. Then press down on clip side until battery door snaps into place.



# PIONEER 202 DEMONSTRATION

Here is a quick way to demonstrate the basic features of your PIONEER 202.

## I. Supplies Needed

- A quarter (25¢) • A penny (1¢) • A dime (10¢)
- A nickel (5¢) • Small piece of aluminum foil • A nail

## II. Position your Pioneer 202

- Place the detector on a table, with the searchcoil hanging over the edge.
- Be sure that the searchcoil is far away from walls or metal objects. Keep the searchcoil away from any metal in the table.
- **Turn off appliances or lights which cause electromagnetic interference**

## III. Beginning Switch Settings

- Right Knob (DISC/NOTCH) — 100% counterclockwise to low
- Left Knob (SENSITIVITY) — click on and set to 3:00 (3/4 turn)
- Do not press any touchpads



## IV. All Metal Detection

- A. Wave all objects under the searchcoil
  - NOTICE THE TONES

## V. Discriminate Mode

- A. Turn the right knob (DISC/NOTCH) slowly to the right past the "DISC" indication.
- B. Wave all objects under the searchcoil at different "DISC" settings.
  - NOTICE THE DIFFERENT TONES
  - NOTICE THE METALS ELIMINATED

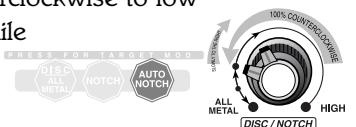
## VI. Notch Mode

- A. Press the NOTCH touchpad
- B. Right knob (DISC/NOTCH) 100% counterclockwise to low
- C. Wave all objects under the searchcoil while slowly turning the right knob clockwise.
  - NOTICE THE DIFFERENT TONES
  - NOTICE THE METALS ELIMINATED



## VII. Auto Notch Mode

- A. Press the AUTO NOTCH touchpad
- B. Right knob (DISC/NOTCH) 100% counterclockwise to low
- C. Wave all objects under the searchcoil while slowly turning the right knob clockwise.
  - NOTICE THE DIFFERENT TONES
  - NOTICE THE METALS ELIMINATED



# BASIC OPERATION

## TURNING ON YOUR DETECTOR

Turn the left knob (SENSITIVITY) to the right. As the knob clicks to the "On" position, the detector sounds three beeps, the LCD arrows appear momentarily, and the unit pre-sets to the DISC/ALL METAL mode of operation.

## SET THE MODE

### 1. ALL METAL

- A. Press the DISC/ALL METAL touchpad
- B. Turn the right knob (DISC/NOTCH) to the left.

The unit will emit sound when passing over all types of metal objects. The ALL METAL mode offers the greatest depth detection capability.

### 2. DISCRIMINATE

- A. Press the DISC/ALL METAL touchpad
- B. Slowly turn the right knob (DISC/NOTCH) clockwise.

As you turn the knob clockwise the detector will first eliminate small iron objects such as nails. When rotated clockwise, large iron objects are eliminated, followed by trash items such as foil and aluminum.

### 3. NOTCH

Press the NOTCH touchpad, and the detector will automatically reject iron. Turn the DISC/NOTCH knob clockwise for selective elimination of various junk items while still detecting nickels, silver and copper coins, and small gold items. NOTCH eliminates medium tone trash items while still detecting valuable low and high tone metals. (audio tone ID is discussed later).

### 4. AUTO NOTCH

Press the AUTO NOTCH touchpad, and the detector will automatically reject iron and most pull-tabs. Nickels and most small gold rings will be retained. The DISC/NOTCH knob creates a rejection "window" which can be moved as it is turned clockwise. With this mode, you can reject screw caps and zinc (post 1982) pennies as the DISC/NOTCH control is turned clockwise, but still detect valuables with low and high tones.

**Note:** If you are not sure of your current mode setting, simply press the desired touch-pad again.



# LCD TARGET DISPLAY

## READING THE DISPLAY

The Liquid Crystal Display (LCD) shows the PROBABLE identification of the targeted metal, as well as the PROBABLE depth of the target, in inches.

Pass the searchcoil repeatedly over a target, and observe the target readout. The detector will register a repeated, unchanging target identification when a buried target has been located and identified. If, upon repeated passes over the same spot, the target identification reads inconsistently, the target is probably a trash item, or oxidized metal. With practice, you will learn to unearth only the repeatable signals.

The segment identifications are highly accurate, when detecting the objects described on the label. For example, if you pass the coil repeatedly over a nickel, your detector will repeatedly register a nickel. However, if you repeatedly register a nickel, for an unknown buried object, you could be detecting some other metallic object with the same magnetic signature as a nickel.

**GOLD TARGETS** Gold objects will register on the left side of the LCD scale.

**Gold flakes** will register under Iron/Foil

**Small gold items** will register under Pull Tab.

**Medium-sized gold items** will register under S-caps.

**Large gold items** will register as Zinc 1¢.

**SILVER TARGETS:** Silver objects will register to the right of the scale, under 25¢, 50¢, or \$1, depending on the size of the object. The larger the object, the farther to the right it will register.

**IRON/FOIL:** All sizes of iron and aluminum objects will register on the far-left side of the scale. This could indicate a worthless item such as a nail, or a more valuable historic iron relic.

**PULL TAB:** All older pull tabs from beverage cans will register here. Most newer pull tabs will register here. Many gold rings will also register here.

**S-CAPS:** Older screw caps from glass bottles will register here. Large gold rings, like a class ring, could also register here. Some non-U.S. coins of recent vintage will also register here.

**1¢ ZINC:** Newer pennies (post-1982) will register here. Many non-U.S. coins of recent vintage will also register here.

**10¢:** Dimes and pre-1982 pennies will register here. Older, pre-1982, pennies are composed of copper, which has a metallic signature similar to a dime.

**Caution:** The target indications are visual references. Many other types of metal can fall under any one of these categories. You will experience a trash-to-treasure ratio when treasure hunting. The more you practice, the lower you will push your trash-to-treasure ratio. While the Pioneer 202 will eliminate or indicate the presence of most common trash items, it is impossible to accurately classify ALL buried objects. The LCD provides a visual reference to minimize the detection of trash objects. By using the target ID in conjunction with discrimination control and the three-tone audio identification system (discussed later), you can further reduce the trash-to-treasure ratio.

# BATTERY & DEPTH INDICATORS

The LOW BATT indicator will flash as the unit is powered on. If the indicator comes on and stays on, replace the batteries.

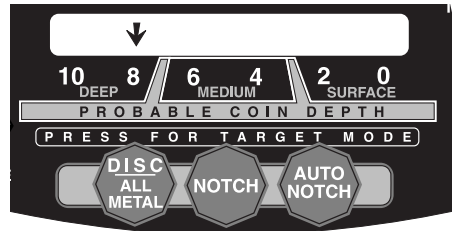
LOW ● BAT

## DEPTH INDICATOR:

The Depth Indicator is accurate for coin-sized objects. It indicates the depth of the target, in inches. Large and irregularly-shaped objects will yield less reliable depth readings

When passing over an object, the depth indicator will light up and stay illuminated until another object is scanned. Pass repeatedly over the suspected target and pause briefly at the end of each sweep to read your

display. Repeated indication at the same depth level indicates an accurate target detector. If the depth indication varies with each sweep, try sweeping at different angles; there may be more than one target present. With practice, you will learn the difference between accurate readings, multiple targets, and highly erratic readings which evidence trash or irregularly shaped objects.



*Depth indicator locked on 8 inches*

# SENSITIVITY ADJUSTMENT

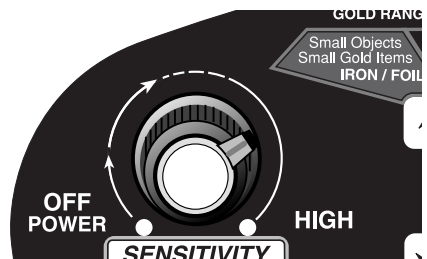
The principle use for the SENSITIVITY knob is to eliminate ELECTROMAGNETIC INTERFERENCE (EMI). EMI is both naturally-occurring and man-made. Common sources of EMI are power lines, both suspended and buried, and broadcasting antennas. Machinery, when in operation, can also produce EMI.

EMI comes from most household appliances, so **YOUR DETECTOR CAN BEHAVE VERY ERRATICALLY INDOORS**. If you want to test it indoors, turn off the TV and microwave. If you have lights with dimmer switches, also turn these off; dimmer switches can produce lots of EMI.

If your detector chatters with the

SENSITIVITY knob in the 100% clockwise position, reduce the sensitivity until the chatter stops (usually to the 1:00 or 3:00 position).

If you suspect the presence of deeper targets underneath a shallower target, reduce the SENSITIVITY to eliminate the detection of the deeper target to properly locate and identify the shallower target



# MODES OF OPERATION



ALL METAL TOUCHPAD

## ALL METAL MODE:

There are two ways to enter the ALL-METAL mode.

- 1) Turn the right knob (Disc/Notch) left to the furthest counterclockwise position. Then Press the Disc/All Metal touch pad.
- or
- 2) Turn the right knob (Disc/Notch) left to the furthest counterclockwise position. Then turn the detector on. (The detector always defaults to the Disc/All Metal mode when first powered on).



DISC TOUCHPAD

## DISCRIMINATION MODE:

To enter DISCRIMINATION mode,

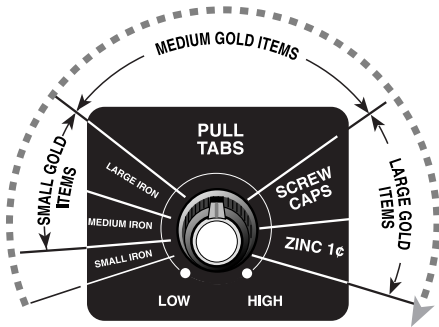
- 1) Press the Disc/All Metal touch pad, and
- 2) Turn the Disc/Notch control knob clockwise past the “Disc” indication.

In the DISCRIMINATION mode, the detector will emit three distinct

tones, depending on the type of metal detected.

As you turn the Disc Knob clockwise, you will progressively “discriminate out,” or eliminate from detection, different types of metals.

Refer to the illustration below as a reference for the levels required to discriminate out different objects.



The DISCRIMINATION mode is a fixed-start-point system. As you turn the knob to the right, more objects are progressively eliminated, including the items to the left. Use DISCRIMINATION for coin-shooting



NOTCH TOUCHPAD

and detecting in trashy areas.

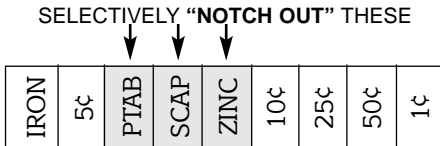
## NOTCH MODE:

To enter NOTCH mode, press the Notch touch pad.

In NOTCH mode, iron is automatically eliminated.

## MODES OF OPERATION

NOTCH then gives the user a variable rejection window. In this mode, you can eliminate items in the middle of the metallic spectrum, but still detect items to the left of the scale, as follows:



NOTCH is most useful to “notch out” specific unwanted items. If you encounter certain bothersome trash items, program their rejection into your detector as follows:

- 1) Turn the Disc/Notch knob 100% counterclockwise.
- 2) Pass the undesirable object under the searchcoil.
- 3) Turn the Disc/Notch knob slowly clockwise until the object is no longer detected.

Use the NOTCH mode for coin-shooting, jewelry hunting, or for your own

customized hunt.



AUTO NOTCH TOUCHPAD

### AUTO NOTCH MODE

To enter the AUTO NOTCH mode, press the Auto Notch touch pad. In AUTO NOTCH mode, iron, most pull tabs, and screw caps are automatically eliminated.

In addition, you can turn the Disc/Notch control to selectively eliminate more items beyond the pre-programmed ones. The Disc/Notch control operates in this mode in the same manner as outlined in the NOTCH mode instructions, except that AUTO NOTCH does not eliminate the more valuable nickels.

Use AUTO NOTCH for press-and-go treasure hunting in applications like coin-shooting, and jewelry hunting.

---

## USING HEADPHONES

Using headphones (not included) improves battery life, and prevents the sounds from annoying bystanders.

It also allows you to hear subtle changes in the sound more clearly, particularly if searching in a noisy location. For safety reasons, do not use headphones near traffic or where other dangers are present. This device is to be used with interconnecting cables/headphone cables shorter than three meters.

# AUDIO TARGET ID

Depending on the operating mode and Disc/Notch control setting, the Pioneer 202 emits three distinct tones which classify metal objects into categories.

## IRON & STEEL:

In the DISCRIMINATION mode most iron and steel objects will induce a low tone. Highly oxidized iron can induce a high tone, depending on the Disc/Notch control setting. For instance, some rusted bottle caps will induce a high tone and indicate to the right of the LCD target display.

## GOLD:

Gold objects will induce a low or medium tone, depending on their sizes. Very small gold objects will indicate on the left-most segment. Large gold objects will read under the Zinc segment. If you are gold prospecting, you will usually be looking for natural gold in an area which it does not contain much trash, and can therefore ignore the specific segment descriptions.

## PULL TABS:

Pull tabs are the most bothersome trash items for detectorist. Most will induce a medium tone. Most will be eliminated automatically in the AUTO NOTCH mode, or alternatively be manually “notched out” in NOTCH mode with the Disc/Notch control. The older pull tabs (those not attached to the can after opening) are sometimes broken in half; these broken tabs can induce low tones. Highly oxidized pull tabs can also induce high tones.

It can be very difficult to differentiate pull tabs from gold rings. When they both induce medium tones, you might notice a “double beep” from a gold ring but a “single beep” from pull tabs. To achieve this distinction, sweep the searchcoil very slowly, and at different angles. Two tones might signal as the detector passes over each side of the round ring.

## COPPER, SILVER & BRASS:

Most valuable coins are composed of these metals and will usually induce a high tone. Valuable objects other than coinage can also be composed of copper, silver and brass.

### LOW TONE



Nails & Bottle Caps,  
Gold & Nickel

### MEDIUM TONE



Old & New Pull Tabs, Zinc  
Pennies (Post 1982)

### HIGH TONE



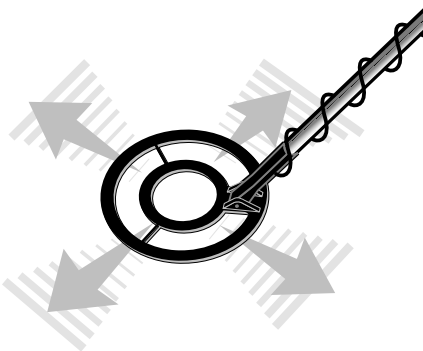
Copper, Silver & Brass  
Copper Pennies (Pre 1982)

# IN THE FIELD TECHNIQUES

## PINPOINTING

Accurate pinpointing takes practice and is best accomplished by “X-ing” the target area.

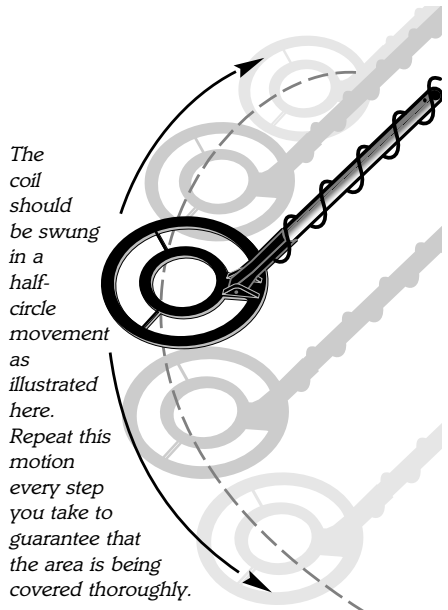
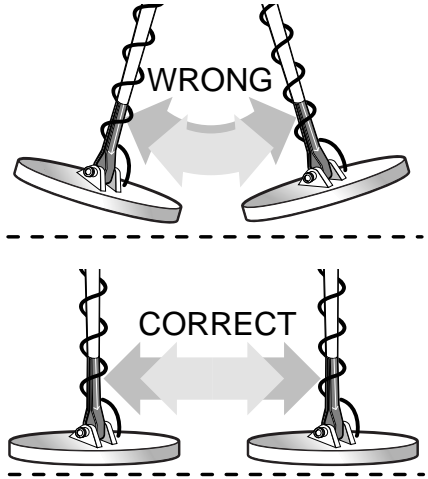
1. Once a buried target is indicated by a good tone response, continue sweeping the coil over the target in a narrowing side-to-side pattern.
2. Take visual note of the place on the ground where the “beep” sounds.
3. Stop the coil directly over this spot on the ground.
4. Now move the coil straight forward and straight back towards you a couple of times.
5. Again make visual note of the spot on the ground at which the “beep” sounds.
6. If needed, “X” the target at different angles to “zero in” on the exact spot on the ground at which the “beep” sounds.



When pinpointing a target, try drawing an “X”, as illustrated, over where the tone is induced.

## COIL MOVEMENT

When swinging the coil, be careful to keep it level with the ground about one inch from the surface. Never swing the coil like a pendulum.

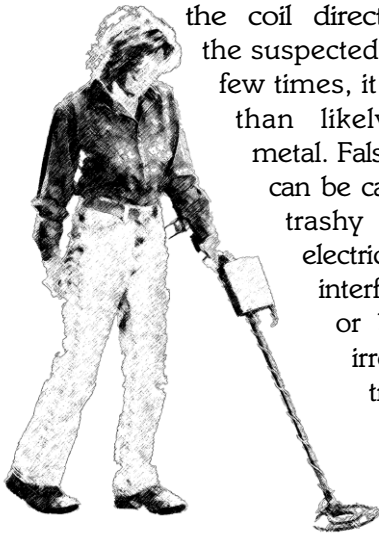


## IN THE FIELD TECHNIQUES

After selecting your operating mode, swing the searchcoil gently side-to-side, slightly overlapping each sweep as you move forward. Make sure you keep your searchcoil approximately 1 inch above the ground as you search. Raising it in the sweep, or at the ends of your sweep, will cause false readings. Move slowly; hurrying will only cause you to miss targets.

Most good objects will respond with a good repeatable signal.

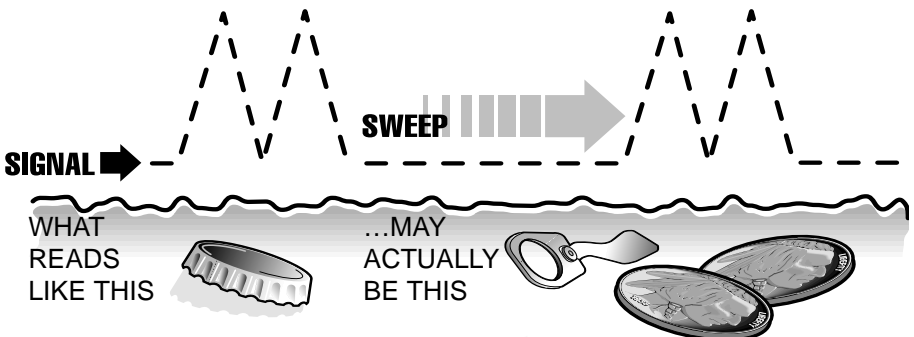
If a signal does not repeat after swinging the coil directly over the suspected target a few times, it is more than likely trash metal. False signals can be caused by trashy ground, electrical interference, or by large irregular trash



objects. These signals are easily recognized by their often broken or non-repeatable nature.

The Pioneer 202 is a very sensitive and deep-seeking detector. It will respond loudly to many targets that other detectors would only detect with a weak signal. Because of this, trash-induced signals and other sources of interference may cause signals that seem confusing. The key to managing these false signals is to dig only those targets that emit a strong repeatable signal. As you sweep the searchcoil back and forth over the ground, learn to recognize the difference between the signals that occur at random and signals that are stable and repeatable.

When searching very trashy ground, it is best to scan small areas with slow, short overlapping sweeps. To prevent erratic signals and difficult pinpointing in trashy areas, consider purchasing the Bounty Hunter 4-Inch Gold Nugget Coil System.



# METAL DETECTING APPLICATIONS

## COINSHOOTING:

The most popular metal detecting application. When coinshooting, you want to discriminate out pull tabs, screw caps, and iron objects. Beware that highly oxidized steel may also be detected.

### **Control settings required.**

- 1) Press DISC/ALL METAL touch pad.
- 2) Turn the Disc/Notch Knob to the 3:00 position.

## RELIC HUNTING:

A relic is a historical object, sometimes of great value. Relics can be found in abandoned homes, plowed fields or even your own backyard. Research the local library to learn of historical events or places in the area. You can then target your search to a specific area and gain valuable insight into your local history.

### **Control settings required.**

- 1) Press DISC/ALL METAL touchpad.
- 2) Turn the DISC/NOTCH knob 100% counterclockwise.

Many relics are iron, so you do not want to discriminate.

## CACHE HUNTING:

A cache, pronounced “cash” is a buried or hidden valuable stored inside a case, strong box, or bag. A cache can be hidden in the floor or walls of a house, or buried nearby. Operate in the ALL METAL mode.

### **Control settings required.**

- 1) Press DISC/ALL METAL touchpad.
- 2) Turn the DISC/NOTCH knob 100% counterclockwise.

## JEWELRY HUNTING:

Jewelry can be found wherever people congregate. Beaches, parks, school yards and fair grounds are all littered with lost jewelry. Your greatest challenge is the interference from pull tabs and cans. You must use a discrimination mode: AUTO NOTCH is best.

### **Control settings required.**

- 1) Press the AUTO NOTCH touchpad.
- 2) Set Disc/Notch knob at 2:00. Dig only the repeatable low and high tones, avoid the broken or non-repeatable tones.

## OTHER APPLICATIONS:

Use your Pioneer 202 to find property markers, machine parts, and lost keys. Keep your detector in ALL-METAL mode for these tasks.

Gold prospecting also requires the ALL-METAL mode.



# TROUBLESHOOTING

## TROUBLE SHOOTING GUIDE

| SYMPTOM                                                                | CAUSE                                                                                                                                                                                                                                                                | SOLUTION                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector chatters or beeps erratically                                 | <ul style="list-style-type: none"> <li>• Using detector indoors</li> <li>• Using detector near power lines</li> <li>• Using 2 detectors in close proximity</li> <li>• Highly oxidized buried object</li> <li>• Environmental electromagnetic interference</li> </ul> | <ul style="list-style-type: none"> <li>• Use detector outdoors only</li> <li>• Move away from power lines</li> <li>• Keep 2 detectors at least 30' apart</li> <li>• Only dig up repeatable signals</li> <li>• Reduce sensitivity until erratic signals cease</li> </ul> |
| Constant low tone or constant repeating tones                          | <ul style="list-style-type: none"> <li>• Discharged batteries</li> <li>• Wrong type of batteries</li> </ul>                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Replace batteries</li> <li>• Use only 9V <b>alkaline</b> batteries</li> </ul>                                                                                                                                                  |
| LCD does not lock on to one target ID or detector emits multiple tones | <ul style="list-style-type: none"> <li>• Multiple targets present</li> <li>• Highly oxidized target</li> <li>• Sensitivity set too high</li> </ul>                                                                                                                   | <ul style="list-style-type: none"> <li>• Move coil slowly at different angles</li> <li>• Reduce sensitivity</li> </ul>                                                                                                                                                  |
| No power, no sounds                                                    | <ul style="list-style-type: none"> <li>• Dead batteries</li> <li>• Poor battery contact</li> <li>• Cord not connected securely</li> <li>• Not moving Searchcoil</li> </ul>                                                                                           | <ul style="list-style-type: none"> <li>• Replace batteries</li> <li>• Check connections</li> <li>• Sweep searchcoil from side-to-side</li> </ul>                                                                                                                        |

# CARE AND MAINTENANCE

Your Pioneer 202 Metal Detector is an example of superior design and craftsmanship. The following suggestions will help you care for your metal detector so you can enjoy it for years to come.



Handle the metal detector carefully. Dropping it can damage circuit boards and cases.



Use and store the metal detector in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Wipe the metal detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the metal detector.

The coil is waterproof and may be submerged in either fresh or saltwater. Be careful to prevent water from entering the chassis. After using the coil in saltwater, rinse it with fresh water to prevent corrosion of the metal parts.

Modifying or tampering with the detector's internal components can cause a malfunction and will invalidate your detector's warranty.



## TREASURE HUNTER'S CODE OF ETHICS:

- Always check Federal, State, County and local laws before searching.
- Respect private property and do not enter private property without the owner's permission.
- Take care to refill all holes and leave no damage.
- Remove and dispose of any and all trash and litter found.
- Appreciate and protect our inheritance of natural resources, wildlife and private property.
- Act as an ambassador for the hobby, use thoughtfulness, consideration and courtesy at all times.
- Never destroy historical or archaeological treasures.
- All treasure hunters may be judged by the example you set; always conduct yourself with courtesy and consideration of others

### FIRST TEXAS PRODUCTS, LLC 5-YEAR LIMITED WARRANTY

Bounty Hunter Metal Detectors are warranted against defects in workmanship or materials under normal use for five years from date of purchase to the original user. Liability in all events is limited to the purchase price paid. Liability under this Warranty is limited to replacing or repairing, at our option, any Bounty Hunter Detector returned, shipping cost prepaid, to First Texas Products, LLC. Damage due to neglect, accidental damage or misuse of this product is not covered by this warranty.

**Proof of purchase is required to make a claim under this warranty.**

#### NOTE TO CUSTOMERS OUTSIDE THE U.S.A.

This warranty may vary in other countries, check with your distributor for details.  
Factory warranty follows the channel of distribution.  
Warranty does not cover shipping costs

According to FCC part 15.21 Changes or Modifications made to this device not expressly approved by the party responsible for compliance could void the users authority to operate this equipment.

Copyright ©2012 by First Texas Products, L.L.C.

All rights reserved, including the right to reproduce this book, or parts thereof, in any form, except for the inclusion of brief quotations in a review.

Published by First Texas Products, L.L.C.

Bounty Hunter® is a registered trademark of First Texas Products, L.L.C.

The BOUNTY HUNTER PIONEER series of metal detectors is not associated or connected in any way with Pioneer Corporation or its PIONEER brand audio and video products or other products.

[www.detecting.com](http://www.detecting.com)



First Texas Products, LLC  
1465-H Henry Brennan  
El Paso, TX 79936  
(915) 633-8354

# ACCESSORIES

## Carry Bag

Rugged double-stitched construction - *CBAG-W*

## Pouch & Digger Combo

Pouch with 2 large pockets & 9" heavy duty digging tool. *TP-KIT-W*

## Bounty Hunter Stereo Headphones

Use with Bounty Hunter metal detectors. Lightweight and adjustable with true stereo sound, adjustable volume, 1/8 jack with 1/4 adaptor, 4' cable. *HEAD-W*

## Pin Pointer

Pinpoints the exact location of buried metal objects. Audio signal indicator and vibrator. Runs on 1 – 9-Volt Battery. *PIN POINTER-W*

## Sand Scoop

Large scoop with filtering holes. Made of strong plastic. *SAND SCOOPBH*

## Replacement/Accessory Search Coils

10" Magnum Coil – *10COIL*

8" Replacement Standard Coil – *8COIL-N*

4" Gold Nugget Coil – *4COIL*

## Coil Covers

Protect your coil from abrasion and damage.

10" Coil Cover – *10COVER*

8" Coil Cover – *8COVER-N*

4" Coil Cover – *4COVER*

## 9" Heavy-Duty Digging Tool

Metal blade with comfortable plastic handle and depth gauge *TROWEL-2*

## Digging Tool

Light and practical wide blade digging tool. *TROWEL-W*

## Bounty Hunter T-Shirt

100% cotton with Bounty Hunter® Logo. Sizes – LG, XL & XXL

## Bounty Hunter Baseball Cap

One size fits all, with Bounty Hunter® logo.

## Gold Prospecting Kits

### Items Included:

|                        | Gold Kit<br>PART NUMBER:<br>GOLDKIT1 | Deluxe Kit<br>PART NUMBER:<br>GOLDKIT2 | Hardrock Kit<br>PART NUMBER:<br>GOLDKIT3 |
|------------------------|--------------------------------------|----------------------------------------|------------------------------------------|
| 10 1/2" Gold Pan       | X                                    | X                                      | X                                        |
| 14" Gold Pan           | X                                    | X                                      | X                                        |
| Classifier             |                                      | X                                      | X                                        |
| 2 – Shatterproof Vials | X                                    | X                                      | X                                        |
| Snuffer Bottle         | X                                    | X                                      | X                                        |
| Black Sand Magnet      |                                      | X                                      | X                                        |
| Treasure Scoop         |                                      | X                                      | X                                        |
| Tweezers               |                                      |                                        | X                                        |
| Magnifier              |                                      |                                        | X                                        |
| Crevice Tool           |                                      |                                        | X                                        |
| Rock Pick              |                                      |                                        | X                                        |
| Instruction Booklet    | X                                    | X                                      | X                                        |
| Backpack               |                                      | X                                      | X                                        |

FOR COMPLETE DETAILS VISIT [WWW.DETECTING.COM](http://WWW.DETECTING.COM) • 1-800-413-4131

