

# Famous Trails®

Anaheim, California

## MD3005 & MD7010 Instructional Sheet

1. Volume Knob – Turns the unit ON, and controls the volume setting.
2. Discrimination Knob – Will allow the user to skip over unwanted items and only get readings for items that are being looked for. (i.e.: on the minimum setting, the unit will register a signal for everything that is made of metal. On the maximum setting, the unit will only register a signal for gold or other precious items. It is still unclear as to the settings of what you will pass over and what you will not. The best mode to operate in is with the knob turned all the way to the left or OFF. This way, the operator will pick up everything.)
3. Tune Knob – Tunes the search disc to the frequency of the detector.
4. Operate/Battery Test Switch – Allows the operator to test the batteries in the unit.
5. Auto-Tune Button – This button sets the tune of the unit. It is necessary to use this button to tune the machine. Occasional adjustments of the needle are needed, and pressing the red button will bring the needle back to zero.

### **Testing The Unit (Indoors)**

1. Remove any watches, rings, or any other metal jewelry that you are wearing. Place the detector on a wooden or plastic table, and turn it on.
2. Adjust the search coil's angle so the bottom part of the disc faces the ceiling.
3. Turn the volume to the 10 o'clock position, and set the discrimination to the 12 o'clock position.
4. Move a piece of metal back and forth about two inches above the search disc. Look for the needle to move in the viewmeter and for the detector to emit a tone.

### **Testing The Unit (Outdoors)**

1. Locate an area where there is no metal.
2. Place a sample of metal on the ground.
3. Turn the unit on, and set the volume at the 10 o'clock position.
4. Press down on the red button and turn the Tune Knob until the needle in the viewmeter is at zero. Release the red button. You should barely hear a tone.
5. While holding the search coil level and about 1 – 2 inches above the ground, slowly move the search coil over the area where you placed the sample, sweeping the search disc in a side-to-side motion. Look for the needle to move in the viewmeter and for the detector to emit a tone.

### **Setting Up the Unit (Outdoors)**

1. Turn the unit ON. Turn the volume up to about the 10 o'clock position.
2. Set the Discrimination Knob to the 12 o'clock position.
3. Hold the search disc about one foot away from the ground and any metal objects. Hold down on the red button on the handle, and slowly rotate the Tune Knob to the left and to the right until the needle in the viewmeter rests at zero. Now, let go of the red button.

As you search, you can fine-tune the detector by turning the discrimination knob.

\*Note: Press the red button on the handle at any time during operation to automatically return the needle to zero.

\*Note: Everything to the right of the zero is Non-Ferrous, and everything to the left of the zero is Ferrous.

\*Note: The detector will display the wrong readings if the metal is heavily oxidized. Sometimes it will show up as Ferrous or you will get confusing signals, this is from the oxidation on the surface of the metal. Try sweeping the search disc over the target from different angles, if the readings do not appear to be the same after each pass, then the metal is heavily oxidized. There could also be two different types of metals in the same place, which would give off a confusing reading.