





Amigo II OPERATOR INSTRUCTION MANUAL

Your Amigo II was shipped from the factory with the following parts:

1 Upper Pole Assembly

Including upper pole stem with handle grip and control housing (with searchcoil attached)

1 Lower Pole Assembly

Including nylon pole tip complete with friction washers, mounting screw, lock washer and thumb nut.

1 7" Concentric Searchcoil

with cable attached to control housing

1 Speed Handle

1 9-volt Alkaline Battery

1 Tesoro Warranty Card

This Instruction Sheet

ASSEMBLING YOUR AMIGO II

1. CONNECT THE TWO POLE ASSEMBLIES. On the upper assembly, turn the pole lock in the direction opposite of the arrows to the unlock position. On the lower pole assembly, press the two spring buttons in and slide the lower pole assembly into the upper pole assembly until the spring buttons click into the holes on the upper assembly, connecting the two assemblies into place. Do not lock the pole at this time.
2. MOUNT THE SEARCHCOIL. Remove the mounting screw and thumb nut from the pole tip. Insert the pole tip between the mounting ears of the searchcoil and align all holes. Insert the mounting screw through the hole in the mounting ears, entering from the side opposite the cable connection. Install thumb nut on the mounting screw. Adjust searchcoil to desire angle and tighten thumb nut by hand. *Note: Do not overtighten.*
3. ADJUST THE POLE. Press in the spring buttons to unlock the lower pole assembly and allow it to spin and slide freely. Slide the lower assembly to the desired pole length. Spin the lower assembly to wrap the cable around the entire pole leaving just enough slack to permit searchcoil adjustment. *Note: Do not allow the cable to flop loosely over the searchcoil. Also, do not put excess strain on the connections by stretching the cable tightly.* Turn the pole lock in the direction of the arrows to lock the assemblies in place.

INSTALLING THE SPEED HANDLE

Your Amigo II has an attachable Speed Handle to provide greater comfort for adults during longer searches. Children will not need this handle. To attach the Speed Handle, remove the end cap from the pole assembly and the top screw from the pole (above the control housing). Insert the Speed Handle into the Upper Pole Assembly, align the screw hole and replace the screw. Place the end cap onto the Speed Handle.

INSTALLING THE BATTERY

First make sure the control knob is turned OFF. Remove the battery door from the bottom of the control housing by pulling on the release knobs until they click loose. Connect a fresh 9-volt alkaline battery to the battery lead terminals. Make certain the polarity snaps fit properly. Place the battery into the battery compartment without pulling or stretching the battery lead wires. Replace the battery door and press the release knobs until they click into place securing the battery door.

ADJUSTING THE POLE & SEARCHCOIL

The detector grip should rest in your hand with your arm relaxed and elbow straight but not locked. The pole should extend out in front of you at an angle. The searchcoil should rest about one inch above the ground while you are standing erect. The angle of the searchcoil should allow it to be parallel to the ground. The pole length should be adjusted to allow this without having to lift the detector with your elbow or shoulder. You should be able to swing the detector back and forth in front of you - using relaxed shoulder movement - while keeping the searchcoil as close to the ground as possible. This swinging movement is called a "sweep".

CONTROL KNOB

The Amigo II has a single, rotary control knob labeled Discriminate Level. This knob turns the Amigo II on, starts the

automatic Battery Test, and sets the detector's "Discrimination" level.

BATTERY TEST

To activate the automatic Battery Test, simply turn the detector on. If the battery is fresh, the detector should emit a continuous and loud "beep" sound that lasts about 4 or 5 seconds and then slowly fades away. As the battery ages, this sound is less intense and fades more quickly. When you hear only a brief "buzz" or no sound at all, replace the battery with a fresh one. Once the Battery Test is over, the detector is on and ready to use.

OPERATING THE DETECTOR

With the detector on, sweep your searchcoil back and forth over the ground. Your Amigo II will "beep" when it passes over a metal object. If a "beep" repeats each time you pass over the same spot, you have found a metal object or "target" to dig up. A single beep that cannot be repeated is probably a "false signal".

Always sweep the searchcoil at a slow to moderate speed, in about a three foot arc, overlapping the sweeps as you move forward. Try to keep your searchcoil height constant and close to the ground without touching it. Avoid the tendency to raise the searchcoil at the end of your sweep. On well kept lawns the searchcoil can be allowed to rest on the grass (called "scrubbing") as you sweep. In rough and rocky areas, it is best not to scrub the searchcoil on the ground, as this can wear way the coil bottom and can also give "false signals".

The Amigo II can *respond to* targets made of any type of metal. What kinds of metal the Amigo II *will respond to* depends on the amount of "Discrimination" you are using.

USING DISCRIMINATION

The Discriminate Level begins at the ALL MET (ALL METAL) position. At this position the detector will respond to objects of all metal types when they enter the scan area under, around or above the searchcoil.

Turning the control knob further clockwise will add more "Discrimination" and reduce the number of types of metal the Amigo II will respond to.

Turning the knob past IRON will cause the Amigo II to ignore most objects made of iron such as nails, while still finding objects made from other metals.

Turning the knob past FOIL will cause the Amigo II to ignore most objects made of foil and iron, such as nails and gum wrappers, while still finding objects made from other metals, and so forth.

At 5¢ the Amigo II will also ignore nickels and most objects made of nickel. At PULL TAB it will also ignore pull-tabs and gold. At 1¢ ZN it will ignore zinc pennies and screw caps.

Turning the knob to MAX will cause the Amigo II to ignore most metals except larger silver objects and coins such as quarters, half dollars, etc.

Common Discriminate Level settings to use would be:

ALL MET: At this setting you can find all types of coins, jewelry, relics and artifacts. This is a good setting for areas that don't have too much buried "trash" metals such as nails or pull-tabs. It is also good for hunting desirable artifacts made of iron that may be found at places such as Civil War battle sites or ghost towns.

FOIL: Use this setting for hunting coins and jewelry while ignoring trash such as nails and gum wrappers.

PULL TAB: This is a good setting for hunting silver coins and jewelry in area with lots of different trash metals. Remember, when you ignore pull-tabs you also ignore most gold rings.

Experiment! Your detecting experiences will teach you when to best use the different Discriminate Levels.

WHERE TO METAL DETECT

There are many good areas to metal detect depending on what you are searching for. Almost any place that people have gathered recently or in the past can be a good hunt site: PUBLIC PARTS, SCHOOL YARDS, PICNIC AREAS, CAMP GROUNDS, FAIR GROUNDS, GHOST TOWNS, OLD BATTLE SITES, LAKE BEACHES, etc.

DIGGING TARGETS & FILLING HOLES

METAL DETECTORIST'S CODE OF ETHICS

1. Always check federal, state, county and local laws before searching. It is your responsibility to “know the law.”
2. Abide by all laws, ordinances or regulations that may govern your search and the area you will be in.
3. Never trespass. Always obtain permission prior to entering private property, mineral claims, or underwater salvage leases.
4. Do not damage, deface, destroy, or vandalize any property, including ghost towns and deserted structures, and never tamper with any equipment at the site.
5. Never litter. Always pack out what you take in and remove all trash dug in your search.
6. Fill all holes, regardless how remote the location. Never dig in a way that will damage, be damaging to, or kill any vegetation.
7. Do not build fires, camp at or park in non-designated or restricted areas.
8. Leave all gates and other accesses to land as found.
9. Never contaminate wells, creeks, or any other water supplies.
10. Be courteous, considerate, and thoughtful at all times.
11. Report the discovery of any items of historic significance to the local historical society or proper authorities.
12. Uphold all finders, search and salvage agreements.
13. Promote responsible historical research and artifact recovery and the sharing of knowledge with others.

WARRANTY SERVICE

Your Tesoro metal detector is covered by a **Limited Lifetime Warranty**, the terms of which are listed below. If your metal detector should require service, you may return it to the Tesoro factory at the address below.

LIMITED LIFETIME WARRANTY

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

This instrument is warranted to be free of defects in material and workmanship as long as it is owned by the original consumer purchaser. This warranty is not transferable and is valid only if the warranty registration card has been completed and mailed within 10 days of purchase.

TESORO will, at its option, repair or replace any instrument covered by this warranty, without charge, except for transportation charges, at its factory in Prescott, Arizona.

This warranty excludes batteries, damage caused by leaky batteries, cable breakage due to flexing on body mount units, and wear of the searchcoil housing. Also excluded are instruments which have been abused, altered, or repaired by an unauthorized party.

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