





The name that means Treasure

Sidewinder OPERATOR INSTRUCTION MANUAL

CONGRATULATIONS!

Your new Tesoro µMAX Sidewinder Metal Detector is part of a new series of detectors designed to provide you with many happy hours of enjoyment in the most rewarding hobby I can think of – treasure hunting. Ahead of you lie fascinating and exciting experiences as you step into the past – uncovering artifacts lost by past generations – or, as you take pleasure in the great outdoors with family and friends searching for precious metals. I wish we could share these experiences with you, and all of us at Tesoro wish you the best of success.

Your TESORO Metal Detector is capable of meeting your needs in any conceivable treasure hunting situation. As with any detector, operating skill and familiarity with this instrument are probably the limiting factors in determining how successful you will be. We recommend that you read this manual and understand fully before attempting to use the instrument in the field. As you become more familiar with your detector through practice, your rate of success will increase dramatically.

The TESORO Metal Detector is a precision electronic instrument, which will last for years if properly cared for. Treat it right and it won't let you down.

Good Hunting! Jack Gifford

GENERAL DESCRIPTION

The Sidewinder is high performance metal detector which utilizes a Hybrid circuit board developed from state of the art surface mount technology. Surface mount is electronic miniaturization, which permits complex circuitries to fit into very small spaces without sacrificing performance, thus eliminating the need for bulky and heavy control boxes. The Sidewinder will satisfy the requirements of the serious detectorist, whether they are experienced or not, by incorporating simplicity and portability together. Don't be fooled by its size, the Sidewinder is capable of delivering peak performance by eliminating those troublesome adjustments and complicated features, creating an extremely simple to operate light weight unit that is compact. The Sidewinder is the first of its kind, built for sport and travel, a grab and go detector that breaks down into three short sections for easy carry on when traveling.

The Sidewinder also utilizes Tesoro's advanced High Gain sensitivity which will provide greater depth in particular environments, plus a higher degree of sensitivity to smaller less conductive targets such as gold jewelry. An expanded ED-120 discriminator is added for greater selectivity of hard to identify targets previously detectable only when hunting in All Metal mode. Since the Sidewinder is so light and compact there is virtually no need to body mount, as we stated it's built to grab and go.

Operating in the Very Low Frequency (VLF) portion of the RF spectrum the Sidewinder is a Transmitter-Receiver (TR) type detector that will provide mineral free operation in both the ALL METAL and DISCRIMINATE modes. The DISCRIMINATE mode is motion based, meaning the searchcoil must be moving in order to find targets. However, the amount of motion is so slight that that pinpointing is often easily accomplished in this mode. The ALL METAL mode is not motion based, meaning the detector will respond to targets even when the searchcoil is being held perfectly still. Often a necessity when pinpointing deep targets.

Designed as a turn on and go all purpose detector, the Sidewinder's automatic ground rejection circuitry is preset to allow operating in virtually any mineralization you might encounter, although operating may be difficult in extreme conditions. A variety of optional searchcoils are available, ranging in sizes from 4 to 11 inches in either concentric or wide scan (Double D) configurations making the Sidewinder versatile in many conditions and hunting situations. A guide to selecting the proper optional coil is included in the section for Field Use.

Operation may be more difficult in black sand or certain other extreme conditions that pose problems for metal detectors.

ASSEMBLY

Assembly of the Sidewinder is very simple, and requires no special tools. In fact, the only assembly required is to mount the searchcoil to the end of the lower stem's isolator pole tip and connect the three poles together.

1. Take the lower stem, the one with the black isolator pole tip, and remove the screw and nut. Put two of the friction washes into the recessed slots provided on the pole tip (where the screw fits through). Two sizes of friction washers are

washers into the recessed slots provided on the pole tip (where the screw fits through). Two sizes of motion washers are supplied, one thick set and one thin set. Using the washers that fit best, insert the pole tip between the mounting ears of the searchcoil and align the holes of the pole tip and washers with those of the mounting ears. The pole tip should fit snugly.

2. Insert the coil mounting screw through the ears of the searchcoil and pole tip, if the cable is in the way, reverse the direction of the screw and insert it from the other side.
3. Install the thumb nut on the screw and tighten by hand.
4. Depress the two buttons on the upper end of the lower stem, and slide it into the upper pole section. Push the lower stem up so that the buttons click into the third set of holes from the end of the upper pole.
5. Insert the upper pole, the one with the detector control box attached, into the middle stem while depressing the two spring buttons. Rotate the middle stem until the two holes line up with the spring buttons and they pop through, locking the pole in place.
6. Wrap the searchcoil cable around the pole making sure it is snug to the pole, leaving just enough slack near the searchcoil to permit coil adjustment. Then connect the searchcoil connector into the matching connector found at the back of the control box, just below the battery door.

Note: Do not allow the cable to flop loosely over the search coil. The Sidewinder is sensitive enough to see the tiny wires in the cable creating false signals caused by the moving wires.

The control box is already attached to the upper stem of the detector and is permanently mounted so no additional assembly is required.

BATTERY INSTALLATION - REPLACEMENT

The Sidewinder is equipped with an automatic battery test circuit so that you can always be sure you are getting top performance from it. The batteries should be checked after the detector has been on for about 10 minutes, and then periodically if you are using it for long periods. To test, follow the procedure described in the control section of this manual.

To install or replace the batteries, push in on the battery door (located on the back of the control box) with your thumb, where the louvered square appears, then slide up (in the direction of the arrow) with a pushing motion to open. Remove the door and connect a single 9 volt (alkaline) battery to the battery lead terminals, making certain the polarity snaps fit properly . A loose connection may cause the detector to fail to respond, or act erratic when operating. Place the terminal end against the foam pad when inserting the battery into the battery compartment, then close the lid, making sure the lock tongue is secured, and the upper mount slots are in position.

ADJUSTMENT

The searchcoil angle and stem length should be adjusted so that the unit does not become uncomfortable or tiring to hold after long periods of use. The detector should rest in your hand with arm relaxed allowing it to swing back and forth without having to lift with the elbow or shoulder, while keeping the searchcoil as close as possible to the ground without touching. The stem length is adjusted by depressing the spring buttons and extending or shortening the lower stem, till they click into the holes that give you the most comfortable setting. The searchcoil should be about one inch above the ground while standing erect. Adjust the angle of the searchcoil, so that the coil is parallel to the ground.

Tighten the searchcoil thumbnut by hand so that the coil will maintain this setting.

Specifications

Operating Frequency	12 kHz
Searchcoil Type	Concentric
Searchcoil Size	8" diameter
Audio Frequency	Approx. 800 Hz
Audio Output	1 1/2" speaker
Headphone Compatibility	1/8" stereo earphone jack
Weight (may vary slightly)	less than 2 1/2 lbs.
Battery Requirement	(1) 9 volt DC (alkaline)
Battery Life (typical)	10 to 20 hours
Optimum Temperature Range	30° to 100° F
Optimum Humidity	0 to 75% R.H.
Operating Modes	No Motion All Metal
	Silent Search Discriminate

TESORO Electronics, Inc., reserves the right to modify or improve the design without further notice.

CONTROLS

The Sidewinder has only four controls, which are mounted on the front panel of the detector.

1. **ON/OFF - BATTERY TEST - SENSITIVITY CONTROL.** This control is used to perform several functions: It turns the instruments power on and off. Turning the knob completely counterclockwise until it clicks disconnects the batteries from the circuit. When the knob is first turned on (clockwise), the detector will automatically test its battery, and give you an audible indication of their connection. ***NOTE: This test should be performed with the Mode Switch in the DISC position.*** Fresh batteries will cause a loud audio response which will gradually decay into silence over a period of about 3 or 5 seconds. As the battery ages and become weaker, the initial audio response will be weaker, and will decay quicker. When the response is just a short buzz instead of a long beep, or when there is no audio response, it's time for a new battery. It is recommended to always use an alkaline battery. The sensitivity function of this control is to reduce the detectors sensitivity to those influences that could make the operation more difficult for you. Turning this control up (clockwise) will add gain to the detector's sensitivity, but may cause it to operate more erratically. Turning the control down (counterclockwise) will reduce the gain, helping the detector to operate more smoothly without interference.

Many things can cause the response of the detector to become erratic as you are using it. Normally you will not hear any sound from the detector unless you pass the coil over a good target. Very large targets or a multitude of closely spaced smaller rejected trash targets can cause the detector to emit choppy sputtering sounds. CB radios, radio and TV broadcasting antennas, intense mineralization changes, and other sources of electrical noise can also cause the detector to emit false signals. These signals will generally sound "chopped" and will not be repeatable so you will not have any trouble recognizing them. They can be distracting, though, and turning down the sensitivity control will help reduce them. This will also cause a small loss of target sensitivity, so always run the sensitivity control as high as you can, while still getting smooth operation. However, you may also experience a loss of performance by not turning the sensitivity down when needed. Therefore, it is best to reduce the sensitivity level to a point where the detector's operation just becomes stable.

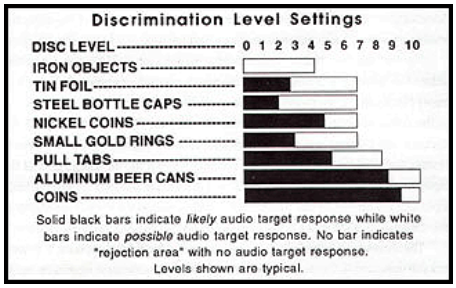
2. **MODE SWITCH.** This toggle switch is used to select the detectors mode of operation. In the Discriminate Mode, marked DISC, the detector's response to unwanted trash can be controlled to eliminate digging much of the common metallic trash items found in most likely hunting spots. The toggle will lock in position when selecting this mode. The detector may beep briefly when the switch is changed, but is ready for operating in the selected mode instantly. In All Metal, the detector will respond not only to the highly conductive nonferrous metals, like coins; brass; and gold jewelry, but it will also respond to ferrous metal (iron) as well. This mode would be ideal for relic hunting or searching ghost towns, since many desirable artifacts (such as guns) are made from iron or steel.

The All Metal mode has a degree of auto tuning to help narrow the detector's response to the target when you are pinpointing. To retune the detector back to threshold, just push the Mode Switch up to RETUNE, holding it there momentarily. The toggle is spring loaded and will automatically return to the All Metal position.

3. **PINPOINT SWITCH.** This is a push button that automatically switches the detector's mode from DISC to ALL METAL for momentary Pinpointing or checking a target for it's All Metal response. The detector will remain in the ALL METAL mode as long as the button is held in, and will automatically return to the DISC mode of operation as soon as the button is released. NOTE: The push button is inactive if you already operating in the ALL METAL mode.

The pinpoint feature is especially useful for competition hunting as it provides a speedy pinpoint/target check without having to lock the toggle in and out of each mode during operation.

4. **DISCRIMINATE (DISC) LEVEL.** Turning this knob will adjust the detector's response to unwanted metallic trash when used in conjunction with the DISC mode of operation. At the lowest setting "0", the detector will eliminate most iron objects, but will still respond in a positive manner to light foil, bottle caps, pull tabs and most other metallic items. As the knob setting is increased, the detector rejects more of these metallic trash items and no audio response will be heard from them. The char below gives the approximate control settings where some of the commonly found trash items can be rejected. Note: The higher the discriminate level is set the more good targets will be rejected as well. Therefore, if you are attempting to reject pull tabs all together be aware that you will also be rejecting nickels and most gold jewelry. SO it is best to hunt with a lower DISC Level and check each target individually by learning at which DISC LEVEL setting various targets would be rejected by the detector.



TUNING

Since the most troublesome adjustments of standard detectors have been automated in the Sidewinder, the tuning procedure for this detector is simply a matter of selecting the desired operating mode, DISC or ALL METAL; setting the SENSITIVITY level, and the DISCRIMINATE level.

Regardless which mode you select, you should begin operating with maximum sensitivity. However, in most situations you will not be able to operate at this level. If there are sources of electrical interference present, or if the area is extremely

trashy or mineralized, your detector may produce some false signals. These signals are generally short choppy sounds which can easily be distinguished from a good target response. Turning down the SENSITIVITY control will help to eliminate most of these signals. The DISCRIMINATE Level should be set to your desired rejection level for the particular area or site you are searching. We recommend starting at a low setting, around 2-3. Adjust the level upward if you find yourself digging more trash than you like. Remember that you will lose small gold rings and nickels at the pull tab reject level, so digging some trash will increase your number of good finds.

ADDITIONAL TUNING FEATURES. If necessary, the Sidewinder may be tuned further. Since the instrument's ground balance and threshold level are preset at the factory, it is possible that they might not be right for your area. Since improper adjustment of these could result in a loss of your performance the following steps can be followed to check and correct your instrument. Most likely your detector will be set just fine and require no additional tuning.

Step 1. **THRESHOLD** adjustment. Threshold is a tone that is heard when the detector is set in the ALL METAL mode. It should be barely audible to moderate in volume and not uncomfortable to your ears when wearing headphones. Threshold is used as a reference point in the all metal sampling for ground balancing the detector, so that it will ignore and not respond to mineralization. Once balanced the tone cannot be turned off as it is used to establish the minimum audio response to deep targets.

If a threshold tone cannot be heard in the ALL METAL mode following the battery test, or it is set to loud, you or your dealer will need to readjust it. To do this, you will need to open the control box by removing the two screws that hold the face plate. You do not have to remove the knobs, just the screws. Pull the face plate forward and up carefully to expose the circuit board. Look to the left and bottom side of the circuit board, there you will see a trim pot that has an adjustment tuner in the middle of it. This tuner can be turned with a very small screw driver. With the detector on, turn the adjustment til you can get a barely audible tone in the ALL METAL mode. Once set you should never have to reset this adjustment again.

Step 2. **GROUND BALANCE** adjustment. The detector's ground balance is factory preset to handle most conditions encountered. Chances are it's set OK and will not need adjusting. Ground balance is probably the single most critical adjustment, but once set you should be able to leave it alone. To test your detector's ground balance, hold the searchcoil about two feet in the air. With the detector turned on and set in the ALL METAL mode, listen to make sure you have a threshold tone. Then momentarily, push the mode switch to RETUNE, then quickly lower the searchcoil to within about one inch above the ground. As you lower the searchcoil to the ground listen to the change in the threshold tone. If it increases slightly, you are probably set. If it increases dramatically, it is set too positive, and if the tone decreases and bounces back strong as you lift the coil again, it is too negative. To adjust, remove the detector's face plate, same as above. Look to the right and bottom of the circuit board. There you will see a trim pot that is just like the one used for the threshold adjust. Using a small screw driver to make adjustments begin by holding the searchcoil about two feet in the air, push RETUNE momentarily and quickly lower the searchcoil to about one inch above the ground, and listen to the audio change in the threshold, same as before. Now raise the searchcoil. If the threshold decreased, turn the ground trimmer up in little increments, press RETUNE and try again. Repeat this process until you have achieved a slight audio increase as the searchcoil nears the ground. Should the sound increase turn the trimmer down a little and try again. Don't forget to push RETUNE after search adjustment. Orientation of the trimmer may vary so you will have to experiment in order to determine which way is needed to turn the adjustment. Caution: A negative ground balance will result in poor detector performance causing a loss of targets and erratic operation. If you have any doubts about how to properly set the ground balance it is best to leave it alone or have your dealer help you.

SELECTING THE PROPER MODE OF OPERATION

The Sidewinder offers two operating modes, the All Metal mode and the Discriminate.

The Discriminate mode is mineral free, and requires that the searchcoil be moving slightly for target detection. There is no threshold sound present when in this mode. The All Metal Mode is adjusted to be slightly positive for mineral signals, and doesn't require motion for proper operation. It does, however, require a threshold sound for proper operation.

The All Metal Mode will detect all manner of metallic targets, as the name implies. This mode is excellent for relic hunting or ghost town searching, as many valuable or desirable artifacts may be made of iron or steel. This mode is also good for hunting fresh water beaches or dry sand ocean beaches where the sand allows easy digging.

The Discriminate mode will allow you to control the detector's response to most of the common metallic trash items found in most schools, parks, and beaches. This mode is generally used for coin-shooting such areas to avoid having to dig most of this common trash. The Discriminate Level control is used to adjust the response to these trash items. It is usually the desired mode for hunting the wet sands on salt water beaches since wet salt is highly conductive and tends to produce numerous false signals in the ALL METAL mode.

The Discriminate Level control is used to adjsut the response to these trash items, however, trash that has been chopped by a lawn mower or altered by some other means will not appear the same to the detector and may cause a false response. Each detector can vary somewhat due to the manufacturing tolerances, so you should experiment with your detector and become familiar with the rejection levels for these trash items with your detector.

Earlier motion detectors that operated with "threshold" sound would give the user a definite indication of metallic trash by either nulling completely or by generating short, choppy sounds. Since the Discriminate mode operates without threshold sound, there is no nulling to indicate that the area is extremely trashy. When searching in the Discriminate mode, we recommend that you periodically switch to All Metal and check the area you are searching to get an idea of how much trash is really there. In extremely heavy trash areas, it may be desirable to switch to a smaller coil, even though doing so will cause a loss of depth. The smaller coil will have a smaller field of view, reducing the masking problem created by multiple target being under the searchcoil at the same time giving you a better chance of finding coins and jewelry between the close pieces of trash.

FIELD USE

The detector should be held in a position that is comfortable for you. Swing the detector from side to side in about a three foot arc, overlapping succeeding strokes well. This motion is called a “sweep.” The Sidewinder was designed to get maximum depth without the frantic pace required of earlier motion detectors, so go at a pace that is comfortable for you. In fact, trying to hunt too fast in Discriminate may even cause a loss of depth in heavily mineralized locations.

It would be helpful to bury some coins and trash metal junk items in an area that you know is clear of other metal objects, and then try the unit in its various modes. Check the area in All Metal Mode first to be sure its clear of trash then bury the targets at least a foot apart, and from 2 to 6 inches deep to start. Make a map of the test bed to be sure you know what each target is and how deep it is. Practice on these targets to familiarize yourself with your detector’s target response. This will also help you learn the proper sweep rate for best operation.

Regardless of which mode you are using, try to keep your searchcoil height constant and close to the ground. Most people tend to raise the coil at the end of a sweep, much like a pendulum, especially if they are hurrying. Try to avoid this, as any increase in height will cause a corresponding loss of depth.

In areas with well kept lawns, the easiest way to maintain a constant searchcoil height is to allow the coil to rest on the grass as you sweep from side to side. In rough and rocky areas it is best not to “scrub” the coil on the ground, as the rocks will act like abrasives, and wear away the coil housing. Should wear through occur, it will usually destroy the searchcoil beyond repair, so it is always best to keep a scuff cover on the coil, they are available from your dealer. Sweep the coil as close to the ground as possible without touching. Hitting the ground or rocks may cause a false signal much like a desired target would. The higher you hold and sweep the coil above the ground the less depth you'll be able to obtain.

When operating in the Discriminate Mode, some “false signals” may be caused by heavy concentrations of trash metal objects, by very large trash items, or by electrical interference. These signals will sound different than good target signals because they are generally short, choppy sounds. At the end of your sweep, as you the reverse the coil direction, the detector is most susceptible to trash induced noise. There are two ways to tell whether these sounds are good deep signals or trash “noise.” The first is by repeatability. Trash induced noises will not be regular as you sweep the coil over the suspected target several times, whereas a good target response will be repeatable at the exact spot with each sweep. The second method is to switch to All Metal Mode and check the target response sound. If the response is weak, it may well be a deep, good target; but if the response is very strong, it is probably trash. Note that a coin close to the surface can give a double beep sound, but it is regular and repeatable. Raising the coil an inch or two will restore the single beep on surface targets.

If there is any doubt whether a target is good or not, DIG IT. For this same reason, in the Discriminate Mode, it is best not to use a higher DISC LEVEL setting than necessary. Nickels and most smaller rings are rejected when the DISC LEVEL is set to reject pull tabs on any metal detector that is a TR Discriminator like the Sidewinder. If you don’t dig any junk at all, you are surely passing up a lot of good finds as well. Set the DISC LEVEL only high enough to suit the conditions where you are searching.

Selecting the right searchcoil for the type of detecting you're doing, the site, as well as the conditions will add greatly to your success. The Sidewinder comes with a standard 8 inch concentric coil. This is an excellent overall coil as it discriminates well and provides very good target separation.

A variety of optional searchcoils are available for the Sidewinder. Concentric coils are better discriminators, making them excellent for coin hunting and cache hunting around metal fence posts. Smaller coils have a smaller field of view and although they do not go as deep as the larger coils they will do better in very trashy areas as they can separate targets better. Concentric coils for the Sidewinder are available in 4, 7, 8 and 10 1/2 inch sizes. Another choice of searchcoil is the Wide Scan, also known as the Double D. These coils are less affected by conductive salts, the ground mineralization producing fewer false signals in extreme conditions like salt water beaches, and red clay ground. Although they don't discriminate as well (they like steel bottle caps, and respond to metal fence posts at greater distances) they are often the coil choice for beach, relic, and gold nugget hunters. Wide Scan coils for the Sidewinder are available in 7, 8 1/2, and 11 inch sizes.

PINPOINTING

The Sidewinder requires such a minimum amount of searchcoil movement in the DISCRIMINATE mode that pinpointing is often easily achieved without having to switch to PINPOINT or change modes to ALL METAL. Though the technique is simple it will require some practice to learn this method. Move the searchcoil slowly across the target from side to side, and then from front to back at 90 degree angles. Raise the coil slightly, slow the sweep speed, and shorten the sweep to narrow the detection area enough to make it easy to tell where the coil center is at the instant of sound as you criss-cross the target.

Another easy method is to sweep the coil from side to side across the target in very short sweeps, as you slowly move forward and backward, criss-crossing the target until you just barely get a response at one spot. Raise the coil slightly if you are getting a double beep, or a very loud response. Again the target will be directly below the center of the coil at the instant of response. In fact, you will be looking at the exact spot in the ground where you want to dig. Caution: this method will require some practice as well in order to get use to not letting your eyes follow the searchcoil. Typically, it's easy to miss the spot by a fraction causing you to do a large hole in order to find the target is off to one side from where you started.

The easiest way to pinpoint for most people will be to switch to the All Metal mode, or push and hold the PINPOINT button, since no motion is required. To pinpoint a target that doesn't saturate the audio, just move the coil forward and back, and side to side until you get the strongest sound. The target will be directly below the coil center. If the audio saturates over a large area, simply push the mode switch to the retune position momentarily over the area to retune the detector. This will narrow its field of response to allow you to once again seek the area of strongest response. It may be necessary to retune more than once with this technique. With a moderate amount of automatic tuning, the detector itself will be attempting to to tune back to threshold, which automatically narrows down its area of strongest target response.

DETECTOR PROTECTION, CARE AND USE

So many people are disappointed when their new detector slowly becomes less and less responsive and seems to have lost some of its peak performance. You can help avoid this from happening to your detector by following these basic care and protection procedures.

- Operate your detector exactly as recommended in this instruction manual.
- It is best to remove the battery from the detector after each use. This will prevent internal damage to the detector if the battery should leak.
- The searchcoil cable is hard wired into searchcoil, do not attempt removal of the strain relief from the searchcoil housing.
- Do not attempt to modify or repair the detector's electronics; caution: opening of control housing may void your warranty.
- Use only high-quality carbon-zinc, alkaline, or NiCad batteries. Never substitute a different voltage. Do not attempt to modify the power supply system. If converting to NiCad batteries, always use a separate convertible pack with the proper voltage output for the detector's design.
- Never spray lubricants such as WD-40 or any type of cleaners, sealants or other chemical preparation on or into the detector.
- Avoid banging the searchcoil against rocks or foundation walls.
- Always use a properly designed protective scuff cover on the searchcoil.
- Remove and clean out scuff covers periodically to avoid build up of mineralized dirt particles which will affect performance.
- After each use, clean the detector with a soft cloth to remove dust, moisture, and other contaminants. The searchcoil is waterproof and can be submerged in either fresh or saltwater. After the coil is used in salt water, it and the lower stem assembly should be rinsed well with fresh water to prevent corrosion of the metal parts. Do not allow the cable connectors to become submerged, and prevent moisture or water from entering the control box.
- If working in or near water, or there is a possibility of it raining, use a protective weather resistant pouch or plastic bag to cover the control box, make sure it can breathe in order to insure against condensation buildup inside.
- Keep cables properly wound around the pole stems and protected. Floppy, pinched, or cables that become snagged during use may short, causing erratic noises or unnecessary replacement of the searchcoil.
- Protect your detector from dust, moisture, and extreme temperatures during storage. Avoid storing it in places such as attics, basements, or garages. When shipping, use the original factory carton or similar heavy-duty container; a one inch minimum clearance of padding around the detector must be provided when shipping.
- Treat your detector as you would any sensitive electronic instrument. Though ruggedly constructed and designed to withstand the demands of normal treasure hunting applications, proper care is essential.

TESORO Metal Detectors are sold only through authorized independent dealers, who almost always are metal detectorists themselves. They can provide you with much needed information about how to use your detector, and answer most of your questions about detecting in general.

HAPPY HUNTING, and thank you for purchasing a TESORO.

RECOMMENDED RECOVERY METHODS

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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Tesoro Electronics, Inc. 715 White Spar Road Prescott, AZ, USA 86303 1-928-771-2646