

OWNER'S MANUAL

Treasure Cove Fast Action Junior Metal Detector

Model TC-1015

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FEATURES

With your Metal Detector, you can hunt for coins, relics, jewelry, gold, and silver just about anywhere. This metal detector is versatile and easy to use.

The detector's features include:

Two Operation Modes: ALL METAL, DISC (Discrimination mode)

ALL METAL—lets you search for all kinds of metal with auto ground balance and high sensitivity. It's the best operation mode.

DISC (Discrimination mode)—discriminates what kind of metal being detected.

Volume—to adjust the volume level of speaker and headphone

Headphone Jack – lets you connect stereo earphones (not supplied) to the detector in private.

View meter and Pointer – The meter pointer swings to the right if metal is found.

Water proof Search Coil – lets you search for metal objects under shallow water.

Note: The search coil is waterproof, but the control housing is not waterproof.

Adjustable Stem – lets you adjust the detector's length for comfortable use.

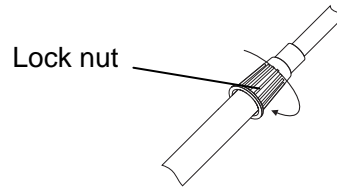
Note: Your metal detector requires one 9V alkaline battery (not supplied).

PREPARATION

ASSEMBLING THE DETECTOR

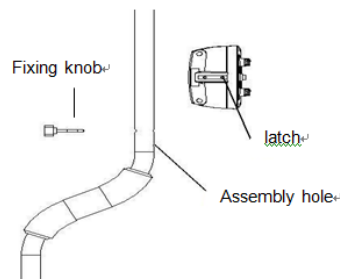
Assembling the detector is easy and requires no special tools. Just follow these steps.

1. Unscrew the knobs on the search coil and remove the knobs and the connector. Insert the smaller stem and align the holes on the search coil bracket and the stem. Push the connector through the holes, then replace and tighten the knobs.
2. Loosen the stem's (connected with the handle) lock nut in the direction



of the arrow. Then insert the smaller stem into the big stem connected with the handle. Turn the stem's lock nut in the reverse direction of the arrow to lock it in place.

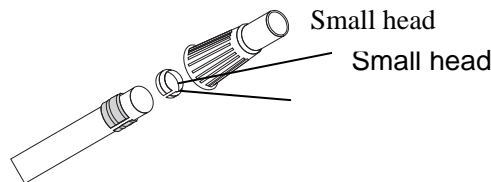
3. Insert the latch on the top of the handle into the assembly hole on the bottom of the control box. Then slightly push the control box in the direction of IN on the handle to fix the latch in place.



4. Tighten the fixing screw properly.
5. Insert the search coil cable plug into the five pin jack on the front control box's housing.
6. Lengthen or shorten the stem, so when you stand upright with the detector in your hand, the search coil is level with and about 1~5cm above the ground. After that tighten the lock nut.

Caution:

- The search coil cable plug fits into the connector only one way. Do not force the plug or you could damage it.
- You don't need to disassemble the stem lock nut. In case you disassemble it carelessly, place the washer on the top of the stem connected with the handle with the small head of the washer upwards. Then hitch the stem lock nut on the washer then tighten it to lock it in place.



ADJUSTING THE SEARCH COIL

Loosen the knobs at the search coil's end, then adjust the search coil to the desired angle. (The search coil should be parallel with the ground.) Tighten the knobs just enough to keep the search coil from rotating or wobbling.

INSTALLING BATTERY

You need one 9V alkaline battery to power your detector (not included)

Cautions:

Use a new, fresh battery of the required size and recommended type.

1. Before installing the battery, turn the power off.
2. Press on the battery compartment cover and slide the cover off in

the direction of the arrow.



3. Connect the battery with the battery connector taking care of the polarity. Then put the battery into the compartment.
4. Replace the cover.

Cautions:

Always remove any old or weak batteries as they can leak chemicals that can destroy electronic parts.

- If you do not plan to use the detector for a week or more, remove the battery.
- Dispose of old battery promptly and properly.

You can extend battery life by using earphones, which require less power than the built-in speakers.

USING HEADPHONES

You can connect a pair of stereo earphones (not supplied) to the detector so you can listen to it privately. Using earphones also saves battery power and makes it easier to identify subtle changes in the sounds you hear, for better detection results.

To connect earphones to the detector, insert the earphones' 3.5mm plug into the EAR jack located underneath the control box.

Note: The detector's internal speaker disconnects when you connect earphones.

LISTENING SAFELY

To protect your hearing, follow these guidelines when you use

earphones.

Set the volume to the lowest setting before you begin listening.

After you begin listening, adjust the volume to a comfortable level.

Do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.

Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear earphones while operating your detector near high-traffic areas.

Even though some earphones are designed to let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

FUNCTIONS AND INDICATORS

1. A QUICK LOOK AT THE DETECTOR



- a. DISC (discrimination mode) —Rotate the control clockwise away from the smallest dot (•) (ALL METAL) to get DISC mode, the largest dot (•). The DISC (discrimination mode) comes with auto ground balance. Rotate the control slowly and clockwise to eliminate different trash objects.

Rotate the control counter clockwise to the end to get ALL METAL mode. All METAL also comes with auto ground balance. It's used to

find not only ferrous metal, but also non-ferrous one (see more details below).

- b. VOLUME—Rotate the control clockwise to power on the unit and adjust the volume. Rotate it fully counter clockwise to power off the unit.
- c. SENS—Rotate the control clockwise to get higher sensitivity. Rotating it counter clockwise to decrease it.
- d. LOW BAT—Low battery indicator. When LOW BAT indicator lights, user should replace the battery.
- e. View meter—When unit finds any metal target, the meter pointer swings to the right.
- f. Headphone jack—3.5mm headphone jack for connecting headphones located under the control box.

TESTING AND USING THE DECTECTOR

The metal detector has two operation modes: ALL METAL & DISC. All metal is used to find all kinds of metal targets. DISC is used to discriminate the metal type.

The user should first set the operation mode to ALL METAL (smallest • which is the DISC turned completely counter clockwise), SENS to high position. Then hold the search coil parallel with the ground about 0-2" above the surface. Sweep the search coil from side to side in an arc line of 3" motion.

When the detector detects a buried target, it sounds a tone. User can make a visual note of exact spot on the ground where the detector beeps.

Then stop the search coil directly over this point on the ground. Move the search coil straight forward away from you and straight back towards you a couple of times. Meantime slowly rotate the DISC control clockwise away from ALL METAL until the unit does not sound or sounds short tone. You can identify what kind of metal is detected according to the setting position of DISC (Discrimination mode).

A reference for you to know what kind of metal is rejected depending on the DISC (Discrimination mode) setting.

Setting of DISC (imagine a clock)	Metal Rejected	Metal it will locate
Near 8:00 o'clock (smallest dot •)	None	All metal
Near 11:00 o'clock	Iron such as nails	nickel, zinc, copper, silver and gold
Near 12:00 o'clock	Nickel such as a coin and Iron	Zinc, copper, silver and gold
Near 1:00 o'clock	Zinc as in a newer penny plus nickel and iron	Copper, silver and gold
Near 3:00 – 5:00 o'clock (largest dots •)	Copper, zinc, nickel and iron	Silver

When the **DISC (Discrimination mode)** control is set to the clockwise end, most metal is rejected.

Factors That Affect The Detecting

It's difficult to have an accurate detecting result. It needs practice to get better detection results. Sometimes the detecting may be restricted by some factors.

- If there are interferences from other instruments or electrical cable or TV or radio in your searching area, lower the sensitivity or change your searching area.
- When searching in highly mineralized areas, the unit will sound even if there's no metal. In this case, you can lower the sensitivity and increase the height between the search coil and the ground until the false signal disappears. If necessary, reset the DISC.
- When searching in trash area, it's better to set the DISC to 11:00 position, so that the unit can notch most of invaluable metals such as nails and other small pieces of trash that have iron.
- Move away any metal digging tool when searching.
- Sensitivity level is generally in contradiction with that of the Discrimination. The higher the sensitivity level is, the worse discrimination will be. But you

can lower the sensitivity to have better discrimination.

CARE AND MAINTENANCE

Your 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.



Handle the detector gently and carefully. Dropping it can damage circuit boards and cases and can cause the detector to work improperly.



Use the detector only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage the cases of the detector.



Keep the detector away from dust and dirt, which can cause premature wear of parts.



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

