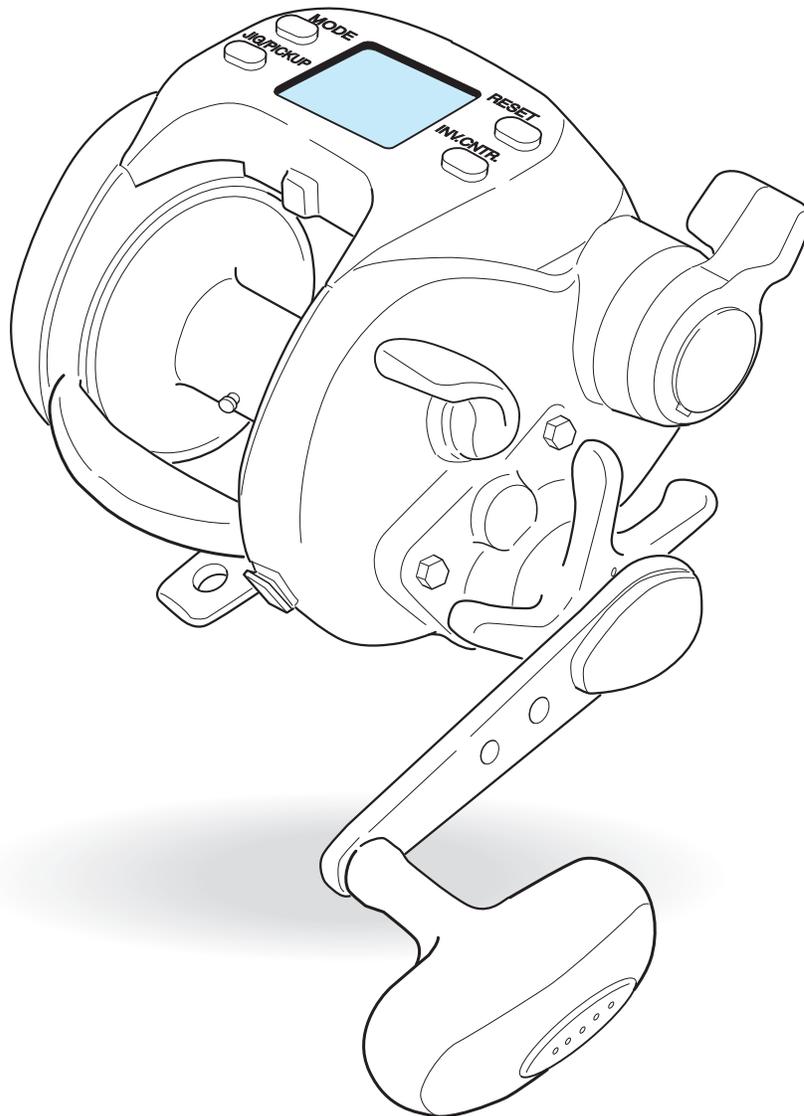


SEABORG 500Fe

OPERATING MANUAL

Thank you for purchasing a SEABORG 500Fe. To take full advantage of the reels many useful functions, please read this manual carefully before using. Retain this manual for future reference.



Reference



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Caution

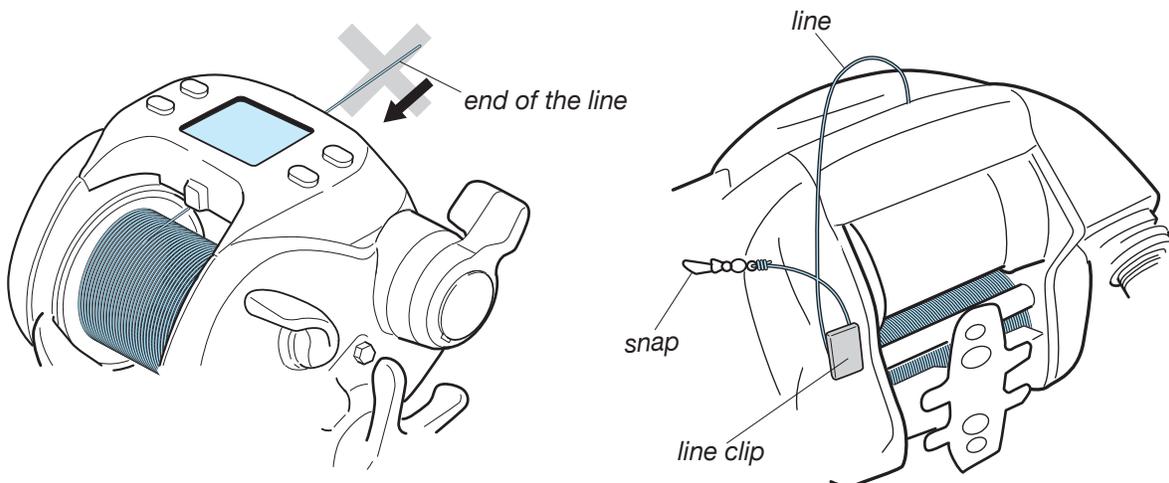
Precautions

Warning		<ol style="list-style-type: none">1. Be careful to keep fingers clear of the levelwind mechanism. It can pinch your fingers and cause injuries.
	Attention	
		<ol style="list-style-type: none">1. When you use a power source other than the battery or the power source provided by the boat, be sure it is of the proper voltage. Excess voltage will harm the reel and may generate enough heat to burn your hands.2. Do not use badly rusted cord to prevent electrical heat.
		<ol style="list-style-type: none">1. Do not touch moving parts while the reel is operating or it may cause injury.2. Drag adjustment should only be done with the auto winding functions off.
		<ol style="list-style-type: none">1. Do not disassemble the reel. It could result in malfunction that could damage the reel or cause personal injury.

Do not reel in the end of the line

DO NOT allow end of line to be wound onto the spool. This may cause synchronization with the levelwind to be lost, a condition that can damage the levelwind due to the reel's high power output. Should this happen, line should be removed from spool and rewind.

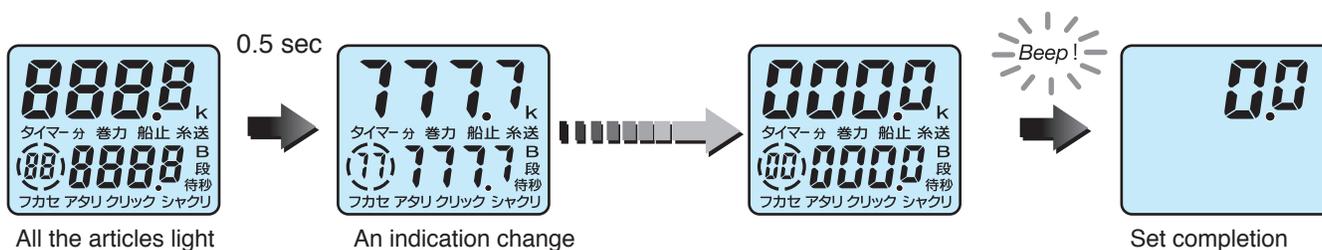
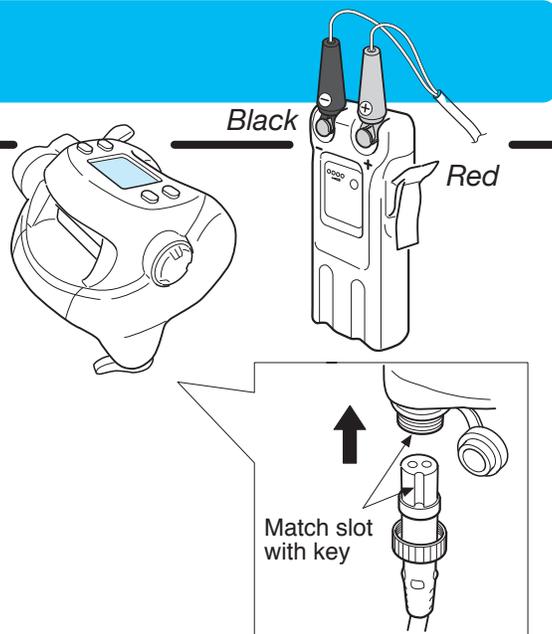
After each trip, attach line to line clip to prevent it accidentally being wound onto reel.



Power source

How to connect the reel to the power source

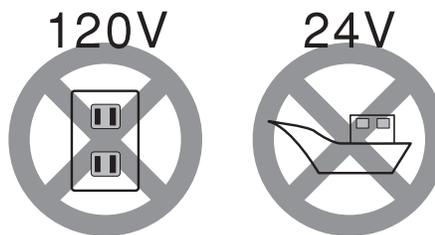
1. Attach the cord clips to the battery. Red covered clip is the plus (+), and the black covered clip is the minus (-).
2. Insert the connector into the reel. After this, the display appears as below.
By taking the appropriate steps, the indication will change as shown below and the data will be set.



1. When changing batteries, the display's backup memory stays active for about 15 minutes after the old battery is disconnected. Thus the above display startup sequence does not need to replay when the new battery is connected within the 15 minute time frame.

About the power source

This reel is made to accept DC 12 Volt power only. Power sources providing other than this cannot be used. The power provided by a boat can be unstable, causing the reel to stop unintentionally. Please use a battery made specifically for fishing reels, such as our lithium battery.



Make sure of the following before departure.

1. Recharge the battery before your fishing trip. Over time, a battery can naturally discharge.
2. Confirm the boat can provide the proper power source (i.e. voltage, connector shape etc).
3. Corroded connections can prevent the flow of electric current. Remove any corrosion or dirt from the connectors.

Battery indicator

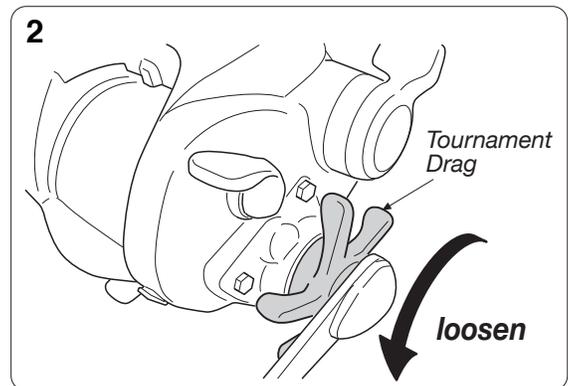
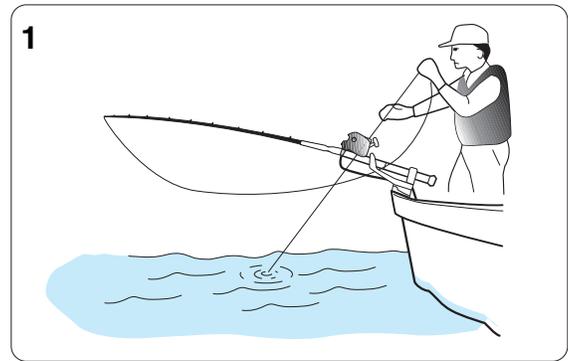
With power on, digits of the inverse counter (counter in the lower area) will blink if voltage gets below DC 9 V. If the display shows this when the motor is not running, then battery voltage is likely to be low. In this case, replace the battery with a recharged one.



This figure shows the voltage is 8.5 V

Using the Reel

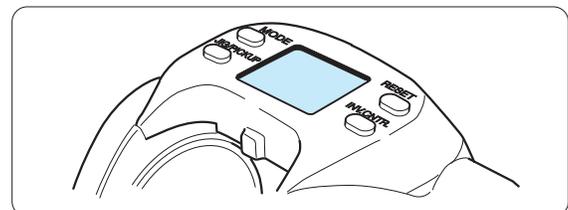
1. Do not jerk your rod to free a lure or sinker stuck on the bottom. Pull the line taught with a gloved hand and cut it.
2. After maintenance, be sure to loosen the drag and store the reel in a dry place.
3. Handle the reel with care to avoid dropping and possibly damaging it.
4. Do not use metal wire as the reel's main line.



About the counter display

The following conditions may make the display difficult to read.

1. Wearing polarized glasses.
2. Excessively cold or hot weather, mid-winter (display's surface temperature is below -10 degrees centigrade) and mid-summer (display's surface temperature is above 60 degrees centigrade).
3. When light strikes the display from certain angles, the display's digits may have shadows. This does not affect its function.



Maintenance

About maintenance

This is a washable reel. Wash away salt residue and grit after fishing

Maintenance procedure

1. Wash the reel with a dish washing detergent and a soft sponge. Do not use solvents.

Do not use soap or other detergents. Other soaps or solutions may damage the reel both externally and internally. The solution may damage the outside coating of the reel and may breakdown the grease inside of the reel creating an overflow of grease.

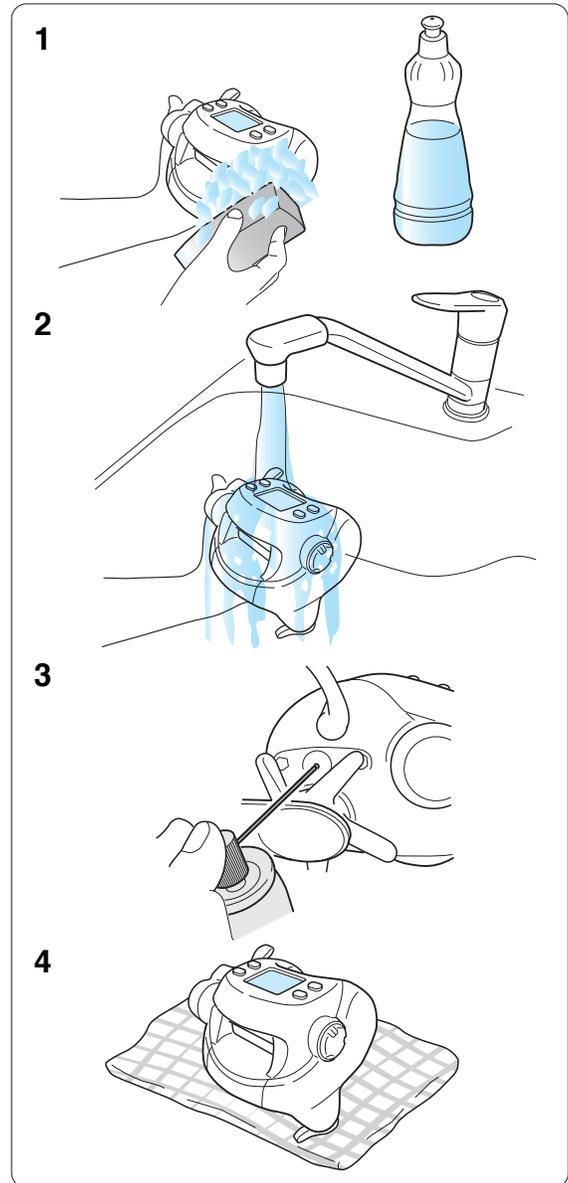
2. Rinse detergent and dirt away with running water, rinsing the spool very well to get rid of salt. Use warm water, under 30 degrees centigrade.

3. At the fishing site, spray the accessory oil into the oil hole on the right sideplate.

Spray for only one second. Excessive spraying may result in an overflow of oil.

Use ONLY the oil that is included with the reel. Other types of oil may affect the overall performance of the reel.

4. Dry the reel well.

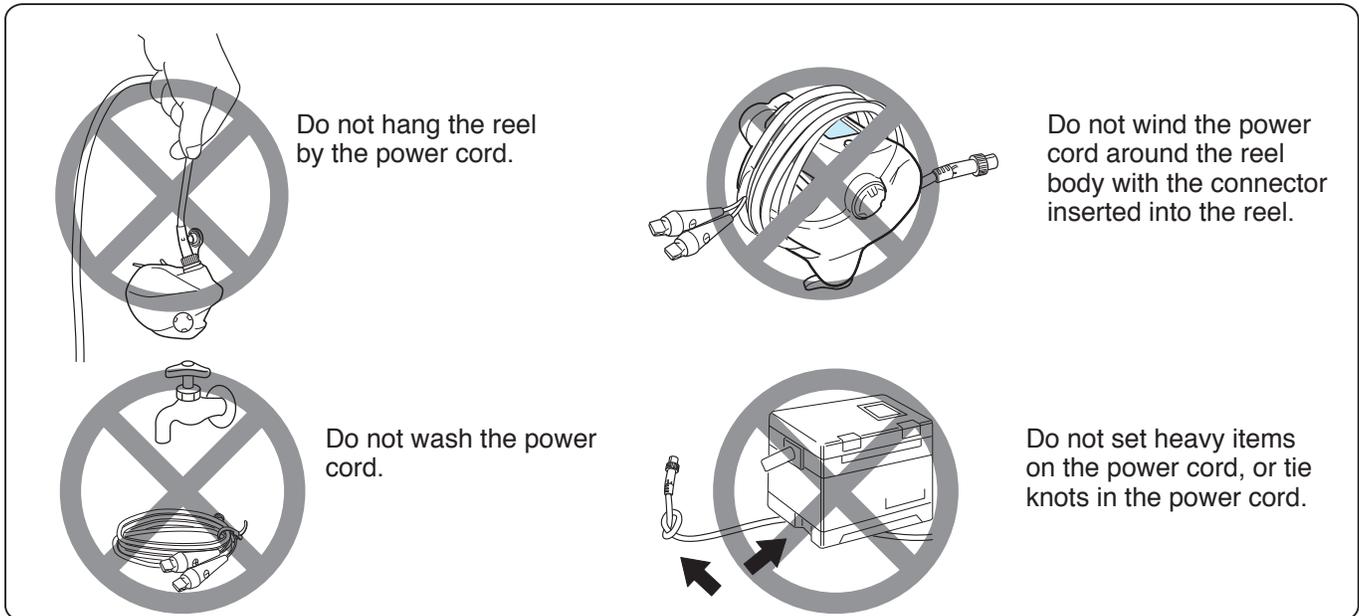


1. Do not submerge the reel when washing.
2. Do not use organic solvents such as benzene and thinner.
3. Do not use a steel brush or abrasive cleanser.
4. Do not attempt to look inside the oil hole. The oil may splash and spurt out of the oil hole.

Maintenance

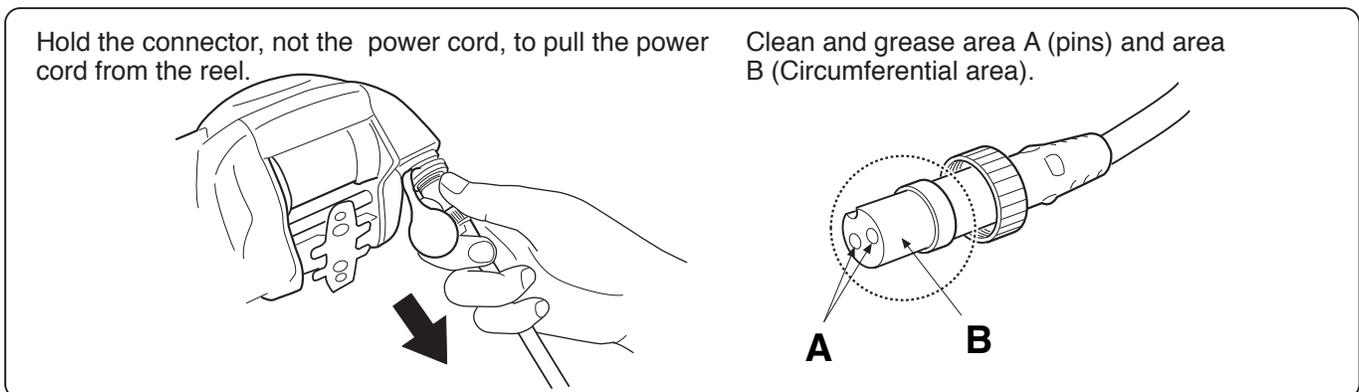
Handling and maintenance of the power cord

Follow the restrictions below to avoid cord problems. Do not cut or connect your cord by yourself as it can cause unintended problems.



Maintenance of the power cord

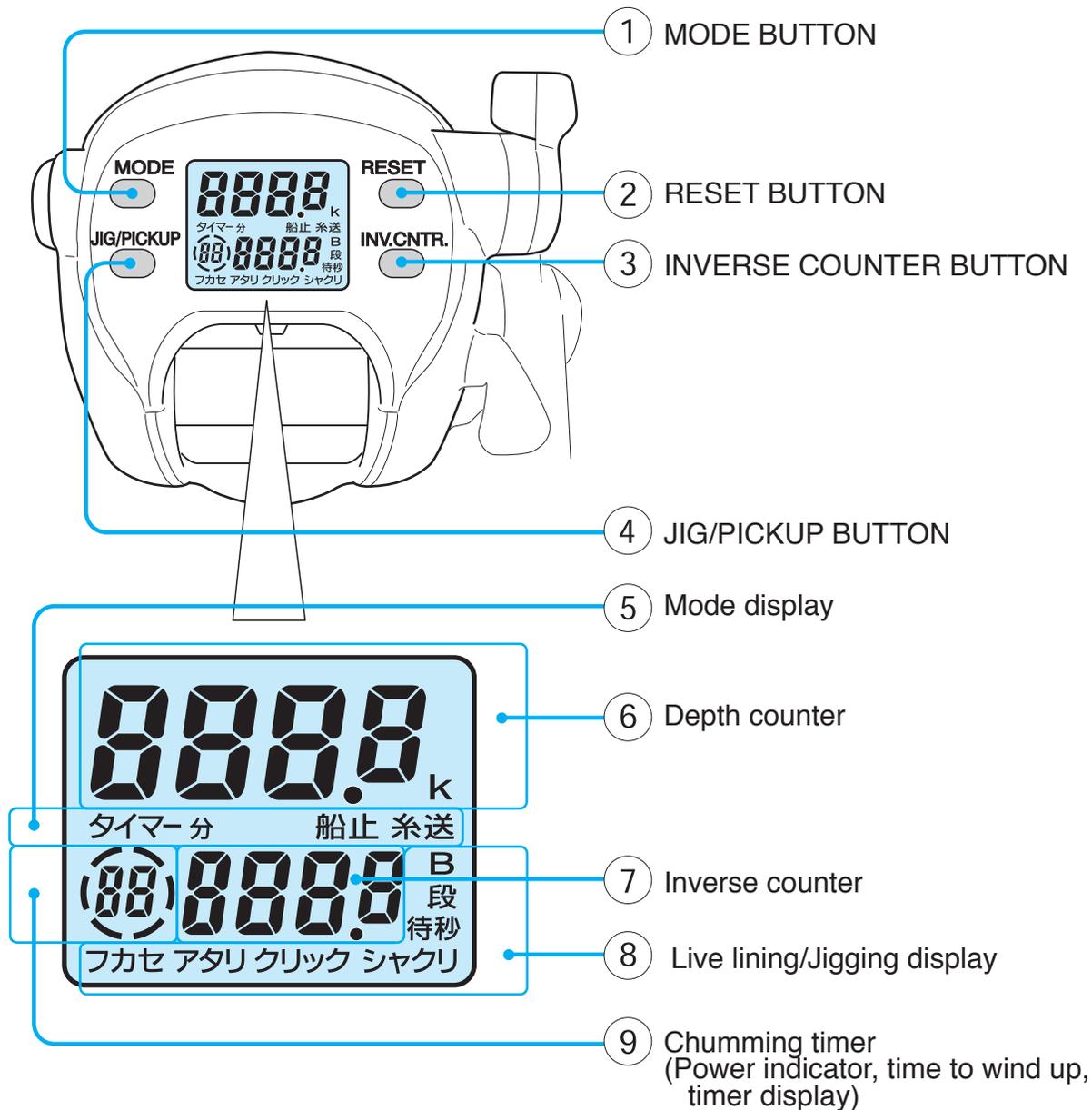
- Wipe the power cord with a wet cloth and dry it well.
- Pay special attention to drying the tips, with cover removed.
- Grease the connector after it is dried.
- Disconnect the power cord from the reel before storing.



Other maintenance points

- This reel is a precision instrument that employs electric circuitry and motor. Do not disassemble the reel by yourself.
- Cover the power connector on the reel with its protection cap.
- Old or worn cords can cause a bad connection and/or short circuit. Replace the cord every 2 years.

Names of the buttons and the display



① MODE BUTTON

Press the **MODE BUTTON** to scroll through the adjustment displays for each reel function.

- Use the Power Lever to adjust numeric values.
- Pressing the **MODE BUTTON** sets the numeric values you have adjusted.
- Depress and hold the **MODE BUTTON** to return to the depth display.
- Mode change cannot be done while line is being fed.

② RESET BUTTON

This button resets the depth counter to zero.

Make sure to press this button before you start fishing. The reset depth is used to make the auto stop function work. (display shows **船止**). The default setting of auto stop is 2 meters.

The **RESET BUTTON** must be quickly pressed 3 times within 2 seconds. This prevents accidental resetting. For a total reset, when line has been broken off, press and hold the button for at least 2 seconds.

③ INVERSE COUNTER BUTTON

Pressing this button resets the counter in the lower area of the display.

- It memorizes distance from the bottom, handy for dropping a bait right back into the strike zone after you've been bit.
- The chumming timer resumes after pressing this button.

Names of the buttons and the display

④ JIG/PICKUP BUTTON

Selection between pickup and jigging can be done in the mode setting display.(One of them should necessarily be chosen.)

Pickup

- You can wind only while pressing this button. This function is useful to wind up line slack and attract fish.
- Winding speed can be changed with the mode setting display. (Default setting is speed 15)

Jigging

- Jigging can be ON/OFF.
- Pressing this button starts jigging. (Display shows)
- Pressing the button again stops jigging.

⑤ Mode display

- This display allows you to change setting of each function.
 - The functions that are set to work are shown on the display.
- (Default setting is speed 15, but the speed can actually be set between 0~Hi.)

Display	Function
タイマー	Chumming timer starts working.
船止	Pressing the RESET BUTTON makes this indicator appear, telling you auto stop will work.
糸送	Auto Line feeding is employed. Default setting is off.

⑥ Depth counter

- It shows the depth from the surface.

⑦ Inverse counter

- This counter shows the depth from the bottom (or a certain depth).
- The shelf at which the Live line alarm has sounded will be indicated in blinking while Live line mode is ON.
- Once this counter is turned on, its display cannot be turned off.

⑧ Jigging display

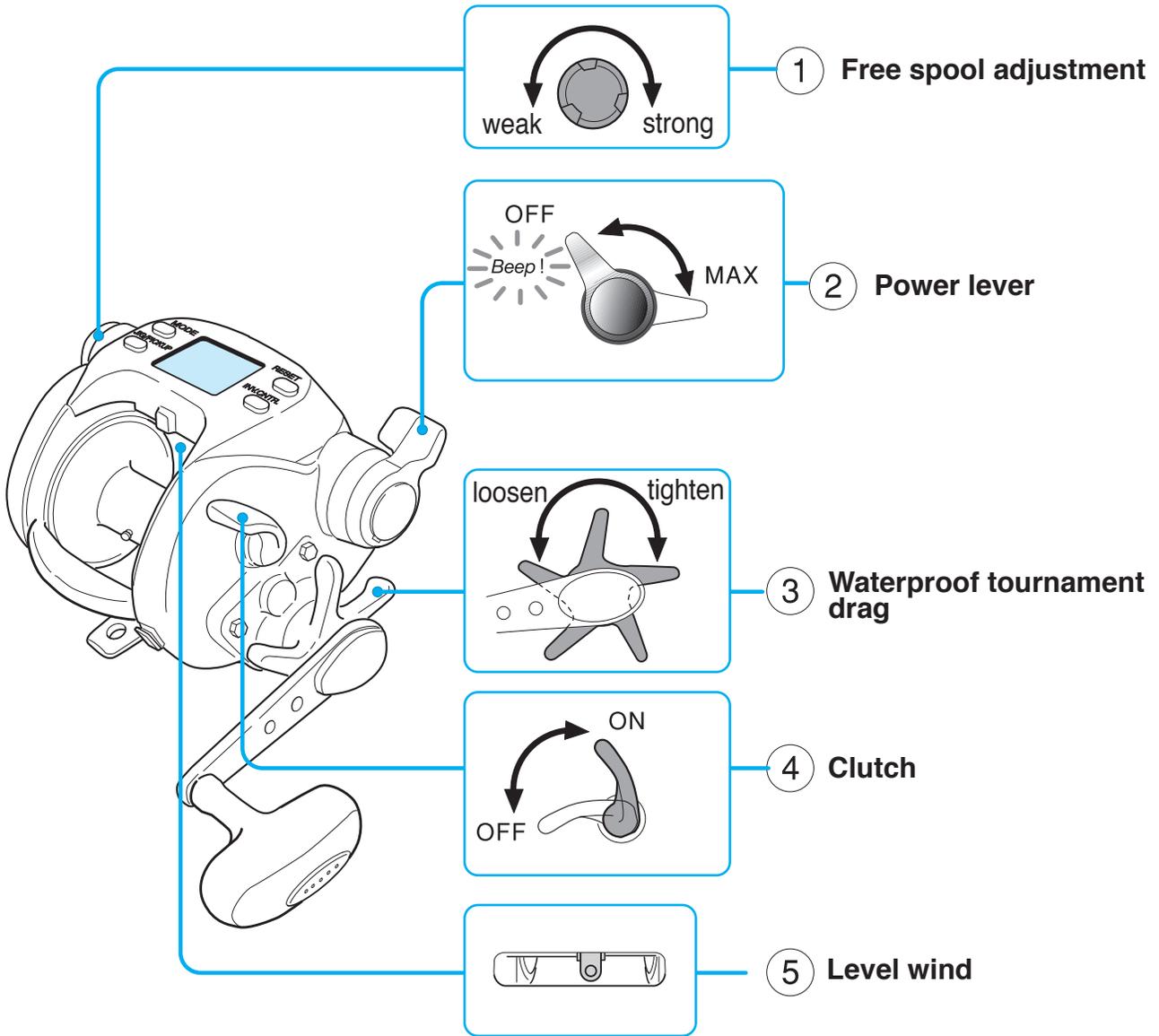
- This is appeared only when the jigging function is on.
 - It blinks when jigging is in process.
- (While the depth indicator is shown, the lamp will not light up even when it is set.)

⑨ Chumming timer (Power indicator, time to wind up, timer display)

- The chumming timer appears when motor rotation is stopped.The timer display cannot be set to OFF.
- Indicates winding speed (winding power) while the motor is running.

Display	Function
フカセ	Live line mode is ON.
フカセアタリ	The alarm will sound when a move quicker than a preset range is detected while the clutch setting is OFF.
フカセクリック	The alarm sounds every time 1 m of main line is extracted while the clutch setting is OFF.
シャクリ	Pressing the JIG/PICKUP BUTTON makes the function work. Pressing the button again stops it.

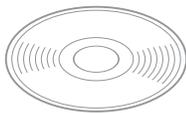
Names and functions of each part



6 Enclosed items



Power cord



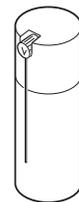
Manual CD-R



Storage bag



Levelwind threader



Reel guard oil

Names and functions of each part

1 Free spool adjustment

- It adjusts brake tension on the spool to prevent backlash or line slack caused by dropping the line with hook and sinker.

2 Power lever

- You can freely adjust winding power, or winding speed, from zero(ON/OFF) to maximum, by 32 steps, by using the lever.
- Tilting the lever forward adds power and speeds up the winding.
- Pulling the lever back slows down the winding.
- Without the lever positioned to OFF, it is impossible to start winding. You have to pull it back to the OFF position before you start winding. An audible sound indicates the OFF position.
- The power lever is used to set numerical values on the various function displays.

3 Waterproof tournament drag

- Adjusting the star drag allows the spool to slip against a strong pull to avoid line breakage.
- (1) Adjust the drag while reel is on the rod and the line is strung through all the line guides.
 - (2) Adjust drag with the clutch ON, while pulling the line with your hands. Normally, the drag is adjusted to prevent the weakest line in the line system from breaking.

4 Clutch

- Turning the handle automatically engages the clutch.
- ON position > line winding can be done.
- OFF position > spool is free-turning to let out line.

5 Levelwind

- The levelwind distributes line evenly on the spool as you wind it in.
(Under some special circumstances line may not wind evenly because of the clearance between the levelwind and the line.)

6 Enclosed items

- Power cord
- Manual CD-R
- Storage Bag
- Levelwind threader (This tool simplifies threading line through the levelwind.)
- Reel guard oil

Line data input (Daiwa braided line)

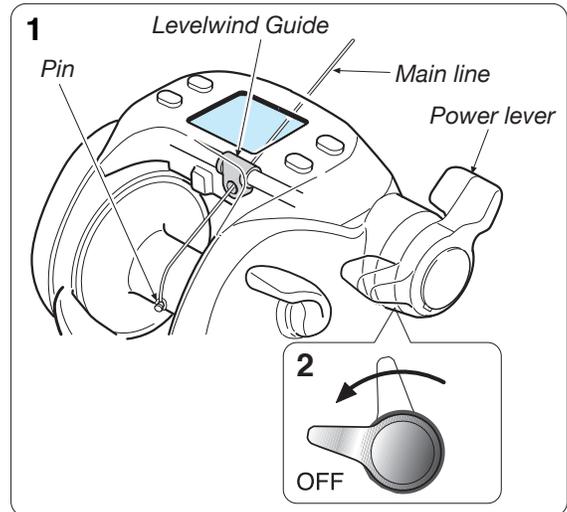
A special input method can be used when spooling the reel with Daiwa braided line. It is a useful method because it requires less data input.

1. Run line through the levelwind guide and tie it onto the spool. The levelwind threader makes this process easier. Make sure to tie the line onto the pin found on the spool to avoid the line slipping.

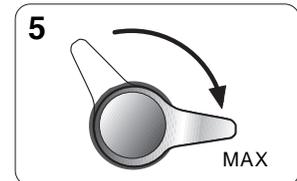
2. Move the power lever to the OFF position.

3. Connect the clip to the power source (12V DC).

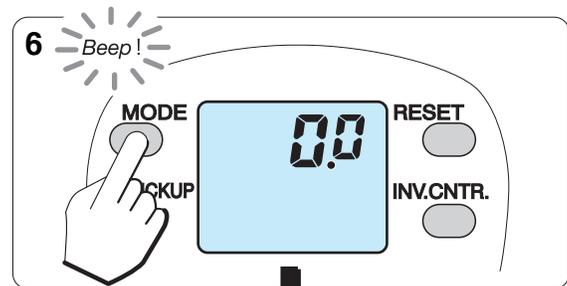
4. Attach the cord connector to the reel. See in page 2 for the connection method.



5. Wind the line to its end with the power lever at maximum.
 -Wind line under tension (about 1 kg.).
 -Drag should have enough tension to wind line without slipping.
 -Be careful not to wind the end of the line onto the reel.
 -Do not allow line to rub against the finger guard while winding as it will scratch the guard.



6. The display will read 0.0. Press and hold the MODE SETTING BUTTON for five seconds. When the button is released, the default setting will show.



7. Default setting "PE 6 – 300 m" is shown on the display and P1 blinks.



8. The power lever can be used to change from the default value to other line PE values in the reel's memory. Once the appropriate value is displayed, exit the setting display by pressing the MODE SETTING BUTTON 4 times. The display will return to 0.0.

Line thickness	PE (Display shows PE at upper left of the display) (m)				
PE 4	100	200	300	400	470
PE 5	100	200	300	350	—
PE 6	100	200	300	—	—
PE 8	100	200	220	—	—
PE 10	100	170	—	—	—

The SEABORG 500Fe has data for the above Daiwa braided lines stored in the reel's memory. Therefore, when winding these lines, there is no need for additional data input.

Line data input (When line length is known)

This method is used when the line length is known before winding. In the example below, PE 6 – 280m is wound.

1. Run line through the levelwind guide and tie it onto the spool. The levelwind threader makes this process easier. Make sure to tie the line onto the pin found on the spool to avoid the line slipping.

2. Move the power lever to the OFF position.

3. Connect the clip to the power source (12V DC).

4. Attach the cord connector to the reel. See in page 2 for the connection method.

5. Press the **MODE SETTING BUTTON** and hold for five seconds, until the display shows 0.0.

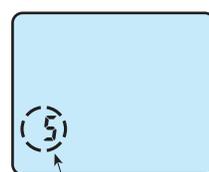
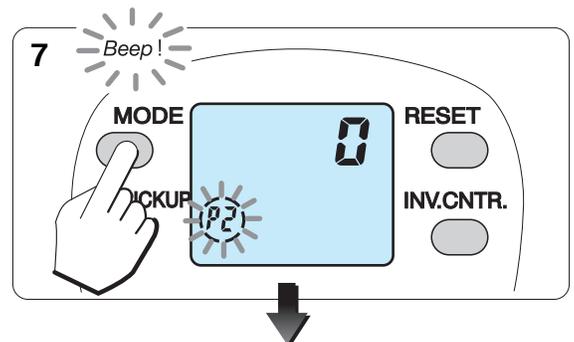
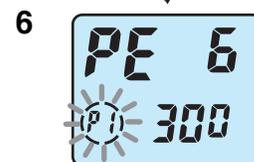
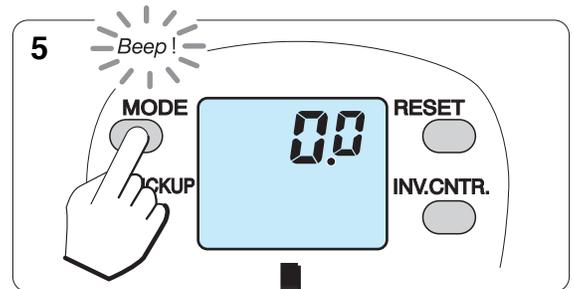
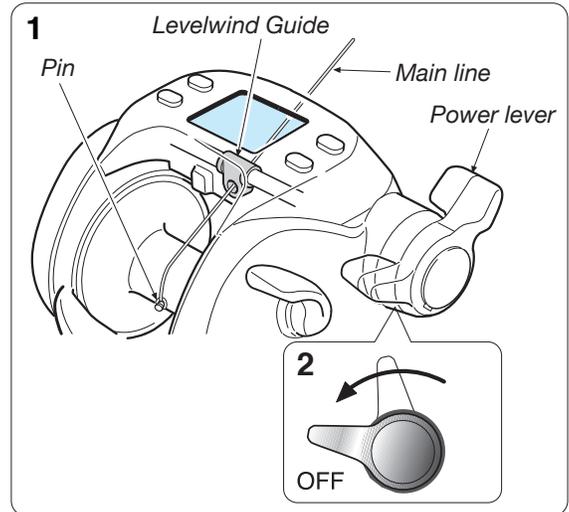
6. When the button is released, the display will then change to the figure on the left, which shows P1.

7. Press **MODE SETTING BUTTON** once to move to the line length input mode. P2 will be blinking.

8. Push the power lever forward to maximum and wind the line to its end.

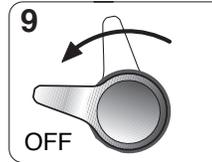
As the power lever is moved forward, the P2 display changes to a tension indicator. Keep line tension between level 4 and 5 while winding on line.

-Do not allow line to rub against the finger guard while winding as it will scratch the guard.

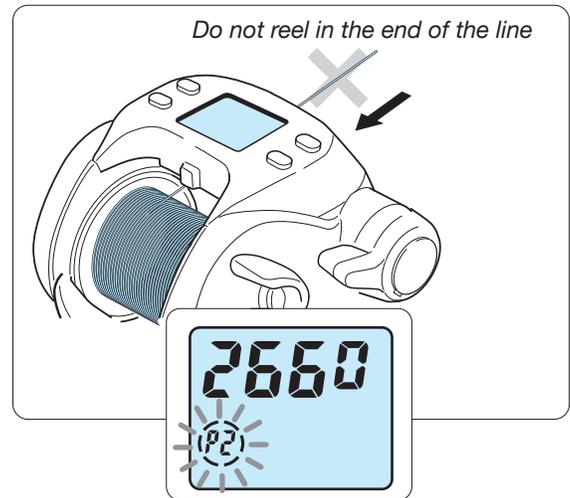


Line data input (When line length is known)

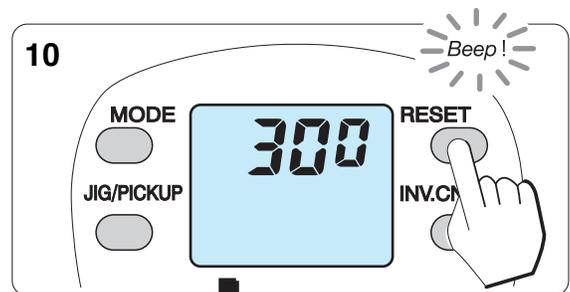
9. Pull the lever back to the OFF position, after winding.



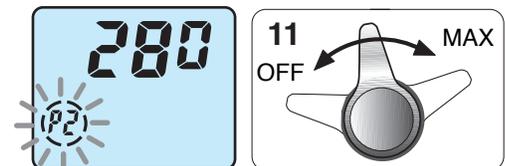
1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF position, and wind manually when nearing the end of the line.



10. Press **RESET BUTTON** for 2 seconds, until the display shows **300**. (300 is the default setting)

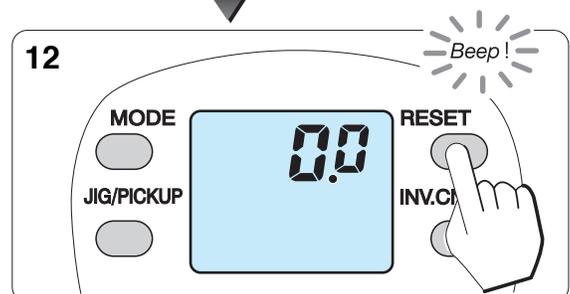


11. Enter the line length with the power lever. (in the figure on the right, line length is 280 m).



12. Press **RESET BUTTON** for 2 seconds and a beep will be heard. The display should return to **0.0**, completing the setting procedure.

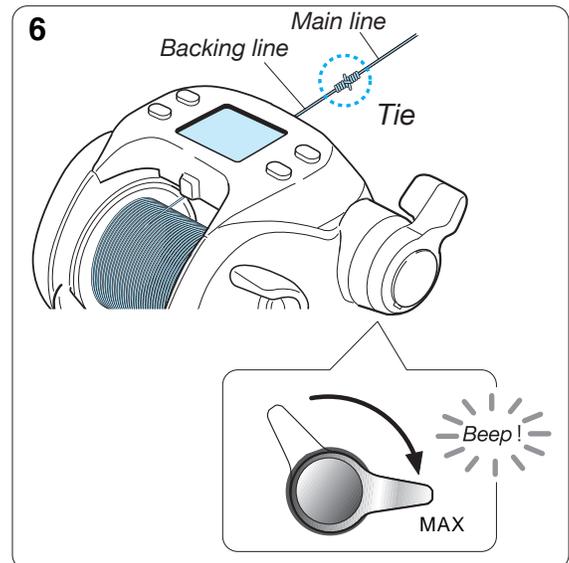
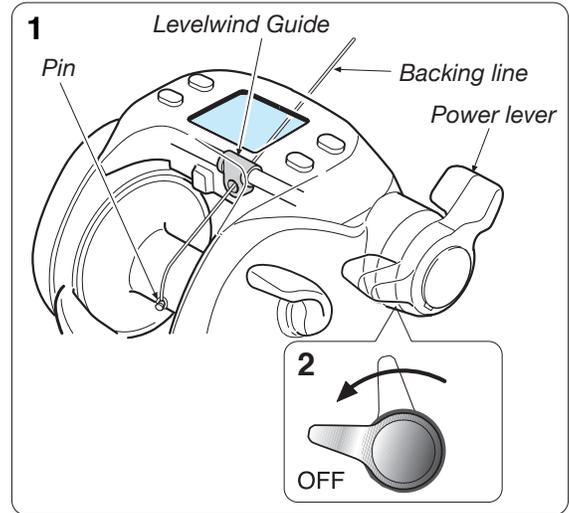
If "Err" appears on the display, you must use the **MODE SET BUTTON** to re-enter the data.



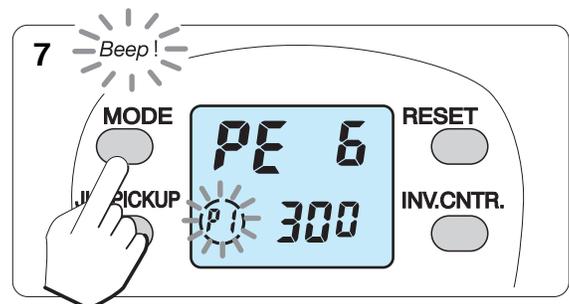
Line data input (With backing line)

This method requires use of Daiwa braided line that is color coded to show length and has a total length greater than 100 m.

1. Run the backing line through the levelwind guide and tie it onto the spool. The levelwind threader makes this process easier. Make sure to tie the line onto the pin found on the spool to avoid the line slipping.
2. Move the power lever to the OFF position.
3. Connect the clip to the power source (12V DC).
4. Attach the cord connector to the reel. See in page 2 for the connection method.
5. Wind the backing line.
6. Tie the backing line securely to the main line.

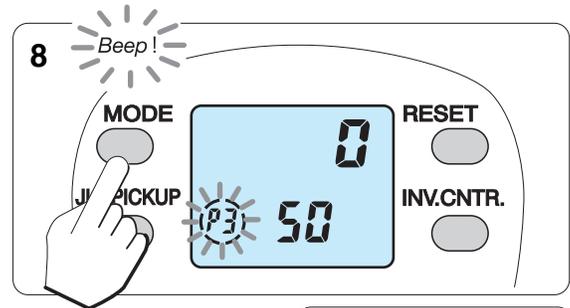


7. Press the **MODE SETTING BUTTON** for 5 seconds, when the display will show **0.0**. **P1** will be blinking.

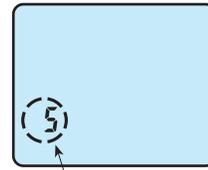


Line data input (With backing line)

8. Press the **MODE BUTTON** twice and change the display to backing line input. **P3** will then be blinking.

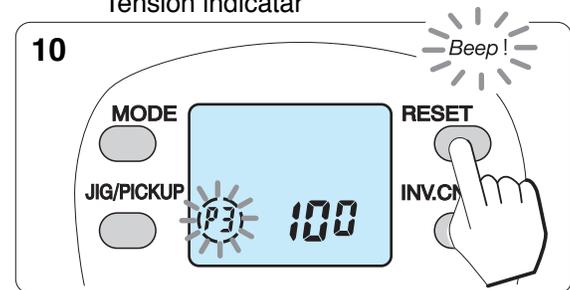


9. As indicated by the line's color coding, wind the line up until the remaining line is 100m. With the power lever moved forward, **P3** changes into a tension indicator. Keep line tension between 4 and 5 while winding.



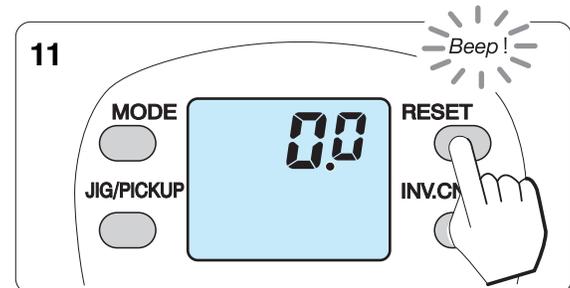
Tension indicator

10. Paying attention to the main line's color coding, wind the main line for 50 m. Then hold down **RESET BUTTON** at least 2 seconds. (The figure at the bottom of the display will change from 50 to 100.)



11. Similarly, wind the remaining 50 m of the main line and hold down **RESET BUTTON** at least 2 seconds. (When "0.0" appears on the display, the setting is completed.)

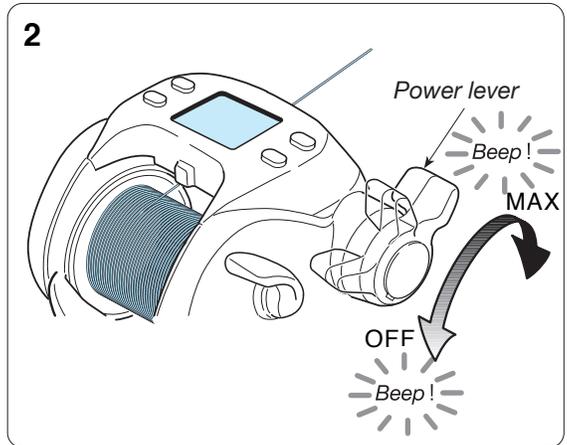
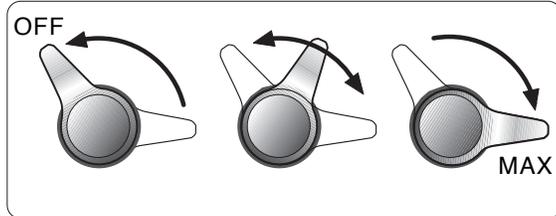
Should "Err" appear on the display, then use the **MODE SET BUTTON** to re-enter the data.



Functional setting operation (1. Mode setting display)

2. Use the power lever to set numerical values.

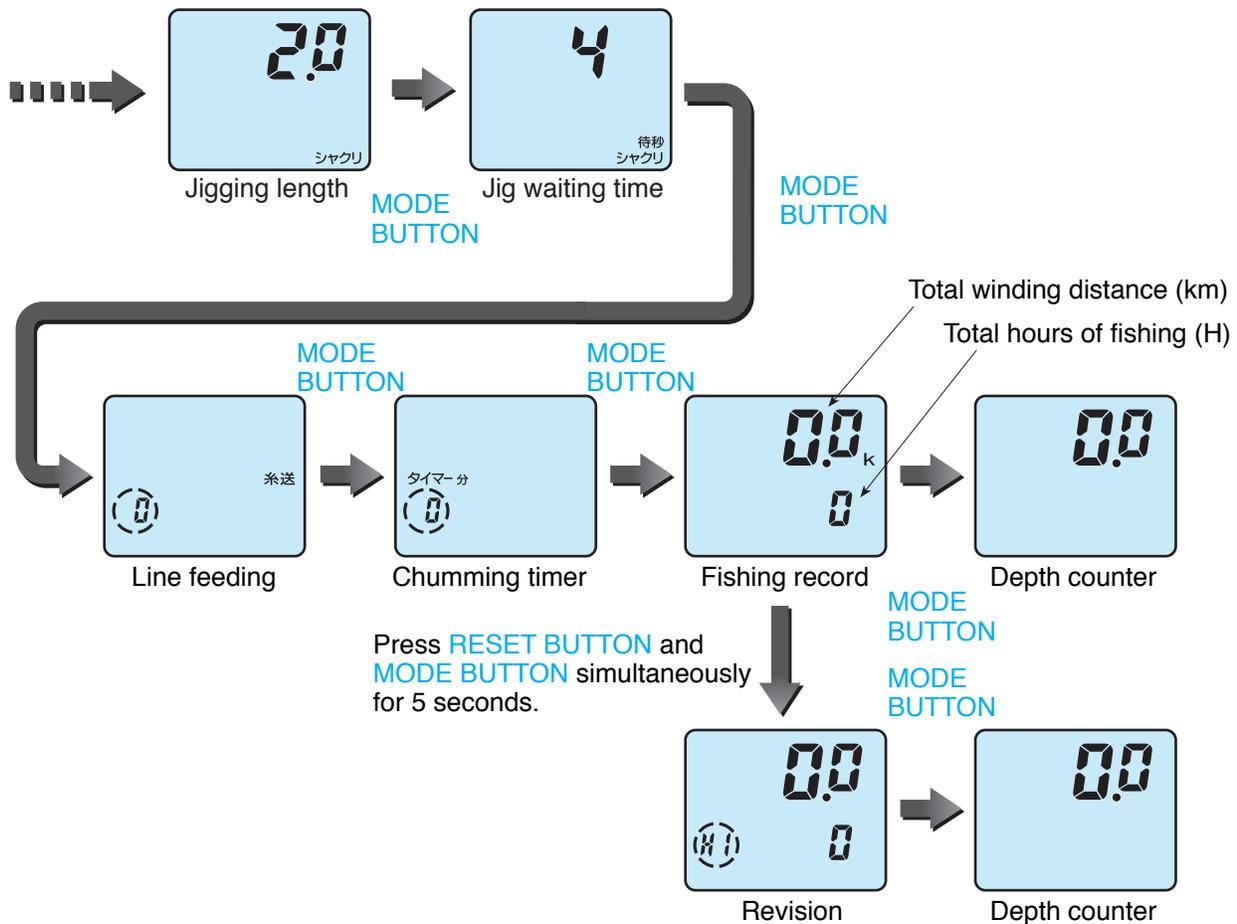
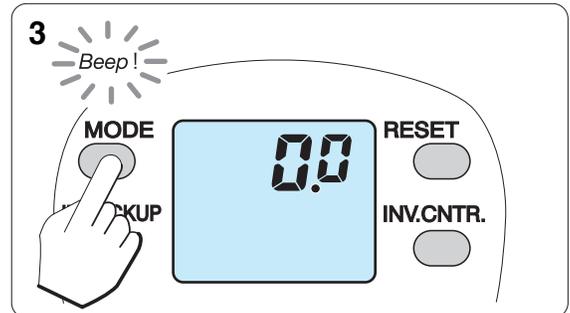
At its MAX position, numbers count upward rapidly. At the OFF position, numbers count downward rapidly. Around mid position, numbers change at a slower pace.



3. Press MODE BUTTON to complete the setting.

- Pressing the mode button locks in the values you have set and moves on to the next display.
- Depress and hold the MODE BUTTON to rapidly scroll back to the depth counter screen.
- Go back to the depth indication display before fishing.
- Pressing the RESET BUTTON at a setting display returns numbers to their default values.

(Except when turning ON and OFF of Live Lining mode)

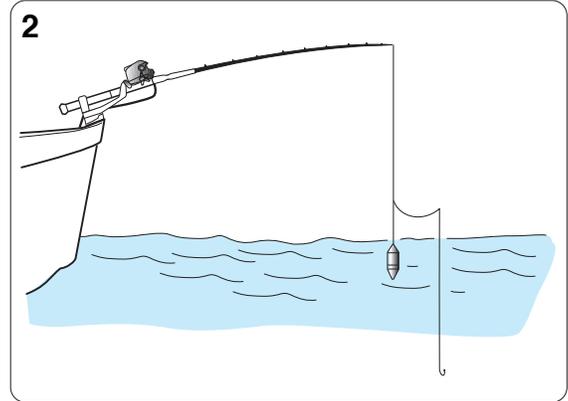


Functional setting operation (2. Before you begin fishing.)

Surface depth setting

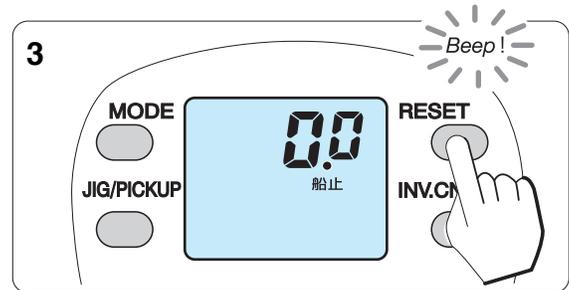
Before you begin fishing, make sure the counter is set to zero at the water's surface. This is extremely important to ensure accurate fishing depth readings.

1. Connect the reel to the battery, put the line through all the guides, and prepare your terminal rig.
2. Place the rod into the rod holder in the position it will normally rest while fishing.



3. Lower the terminal rig to the water's surface and press the **RESET BUTTON**. (water surface zero setting)

The display resets to 0.0.



Attention

1. When new line is wound up, or when line has been pulled under heavy tension, line stretch may cause a gap in the depth reading at the surface. Simply reset the surface setting with the **RESET BUTTON**.

When the main line is cut or broken off.....

- Should your line break, revise data as follows.
- Wind the line to the rod tip, and press the **RESET BUTTON** for 2 seconds. (At depths greater than 10 m, 2-second-pressing is employed accidental pressing of the button.) If the display shows 0.0 then your re-adjustment is complete and data has been revised.
- Unless you reset the data on the reel, it will not be able to count accurately.

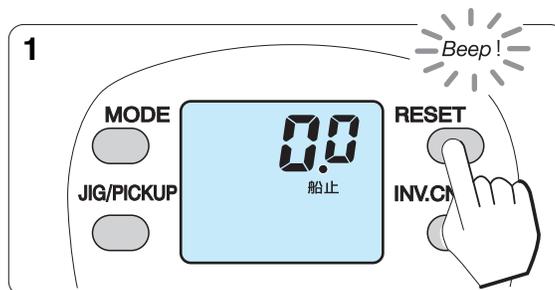
Functional setting operation (3. Auto stop function)

Auto stop setting

The Auto stop depth may be set to meet your own specific needs.

- Auto stop adjusts to operate at depths from 1 m to 5 m (in 10 cm increments).
- It prevents accidentally winding swivels, terminal rigs etc. into the rod tip and stops your rig at a consistent depth for convenient checking and changing of baits and sinkers.
- Line stretch can cause an inaccurate reading at the surface. Simply reset the counter to zero at the surface.

1. Connect the reel to the battery, and press the **RESET BUTTON** with your terminal rig at the surface. The display shows **0.0**.

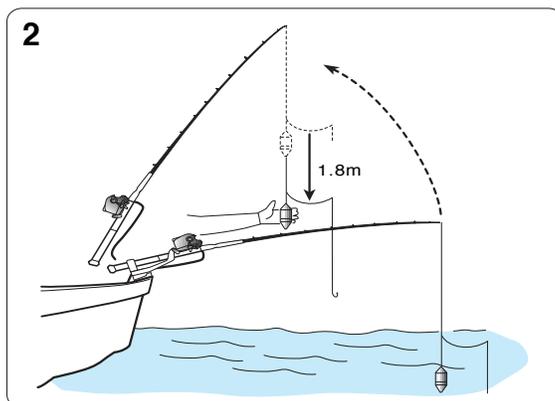


2. Raise the rod and adjust the line length from the rod tip so you can reach the rig easily. In the figure, its length is 1.8 m.



Checking and changing sinkers, baits etc.

Use



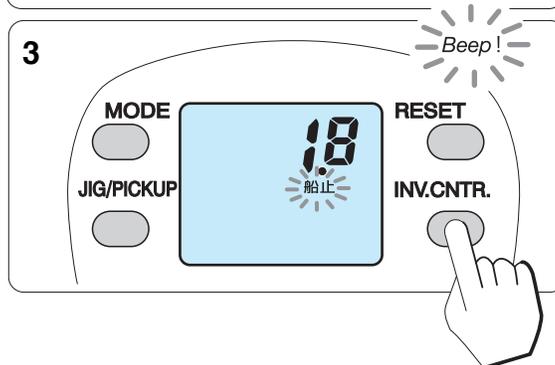
3. After adjusting length, press the **INVERSE COUNTER BUTTON** for 2 seconds.

When blinks, this procedure is completed.

Default setting is 2.0 m. (Without pressing the **RESET BUTTON** the winding stops at a depth of 5.0 m.

The **船止** lamp will blink when the setup has been completed.

4. When checking or changing a bait, simply wait until the reel automatically stops winding and raise the rod tip.



Auto stop

Auto stop automatically brings your terminal rig to the surface, stopping consistently at your pre-set depth preference. It eliminates the need to constantly monitor depth as it comes up.

- The auto stop function assists when winding with the power lever, jigging, or winding with the chumming timer.
- After the rig is ready, reset the depth counter to zero by pressing the **RESET BUTTON**. (water surface zero setting) (After this, **船止** appears on the display)
- Without pressing the **RESET BUTTON**, winding stops at a depth of 5 m.
- If you have pressed the **RESET BUTTON**, the alarm sounds at 2m increments above the depth of 8 m, and winding stops at 2 m.
- When auto stop depth is set, the alarm sounds every 2 m above the depth of 6 m, and winding stops at the set depth.
- After auto stop stops winding, the power lever can be used up to **0.0** m. However, above **0.0** m, motor winding such as, power lever and PICKUP, cannot be employed until the **RESET BUTTON** is pressed.
- Depending upon the rocking of the boat or sinker weight, auto stop depth can overrun slightly. Should this happen, increase the depth of the auto stop.

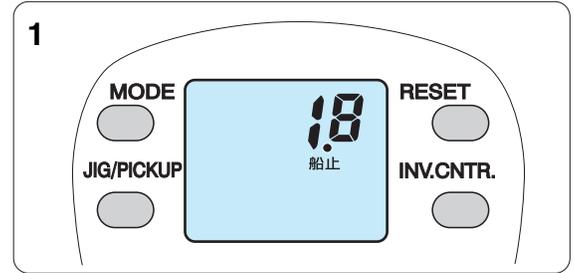
Functional setting operation (4. Inverse counter)

Inverse counter

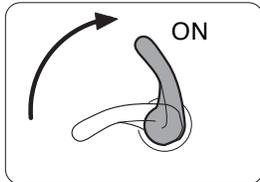
Two counters are better than one. This reel has counters from both the surface and from the bottom.

In the following example, intended fishing range is 94 m, which is 6 m from the bottom.

1. Clutch OFF to send the rig to the bottom

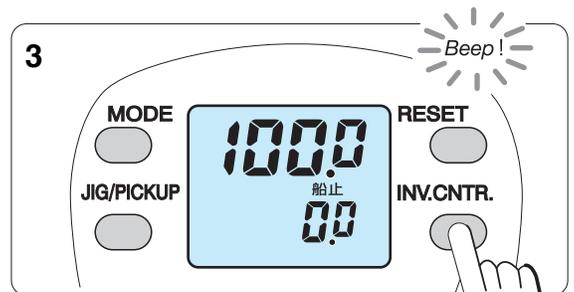


2. At the bottom, move the clutch to ON by turning the reel handle or flipping the clutch lever.



3. After winding up any slack line, press the **INVERSE COUNTER BUTTON** and wind up 6 m.

By pressing the **INVERSE COUNTER BUTTON**, the lower area counter is reset. Wind line until the intended depth is reached.



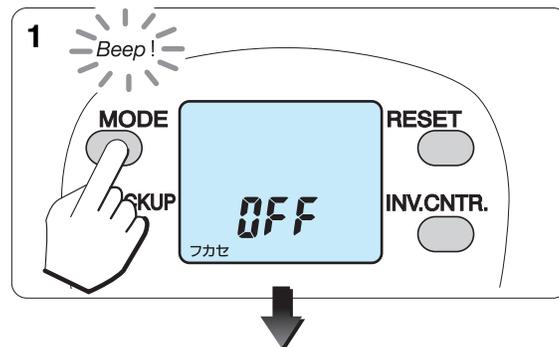
Use

By pressing the **INVERSE COUNTER BUTTON**, the timer starts and keeps an accurate record of fishing time.

Functional setting operation (5. Live lining mode)

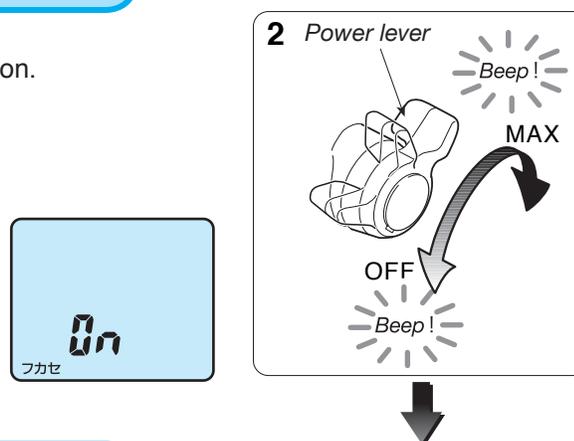
Live lining mode setting

1. Press the **MODE BUTTON** to change the **フカセ** display.



Live lining

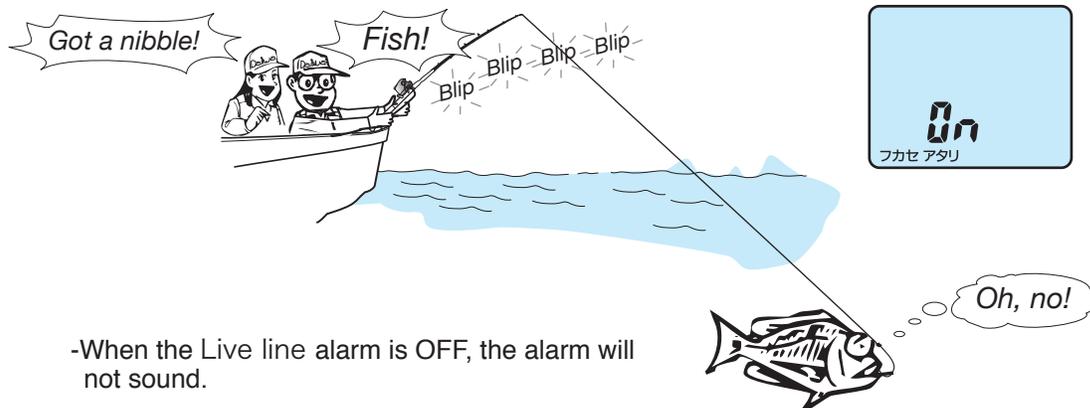
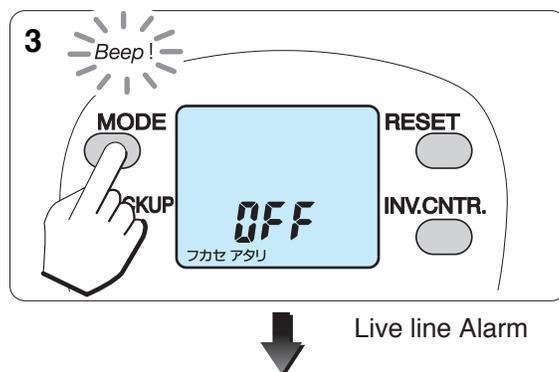
2. Use the power lever to activate the Live Line Function.



Live line Alarm

When the line spools out faster than the preset range, the Live Line Alarm will sound notifying you that you just had a strike. Even if you look away, you will not miss a strike.

3. Press the **MODE BUTTON** to move to the next display mode.
4. Turn it ON using the power lever.



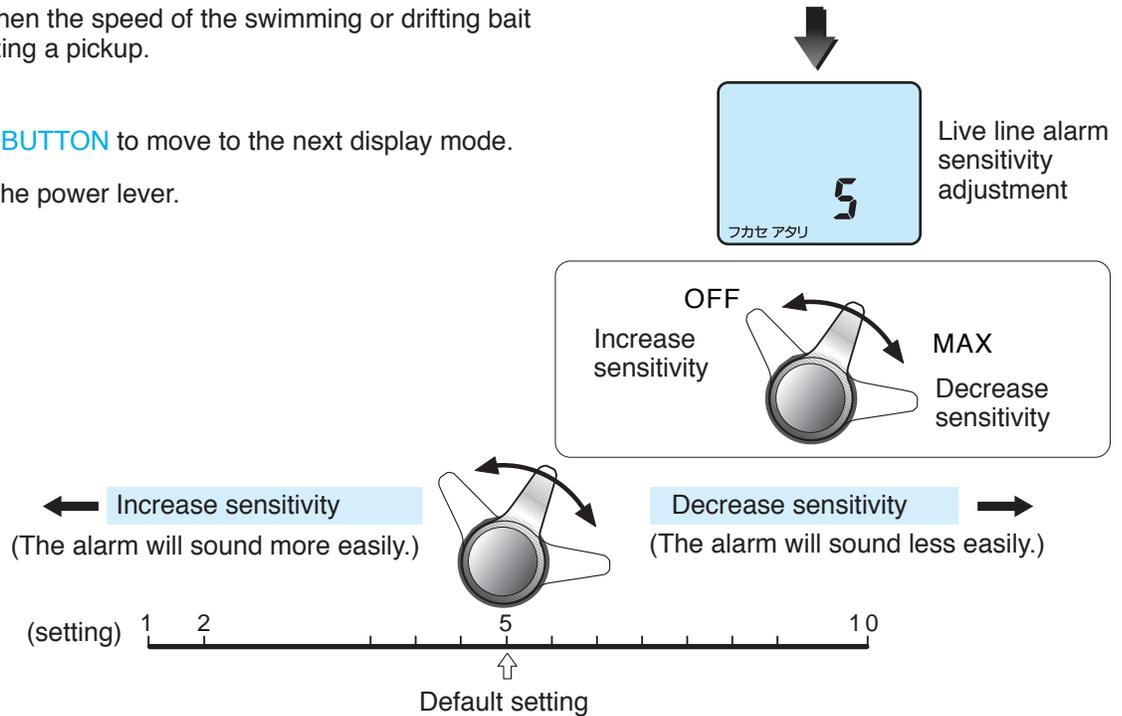
-When the Live line alarm is OFF, the alarm will not sound.

Functional setting operation (5. Live lining mode)

Live Line Alarm sensitivity adjustment

-An alarm sounds when the speed of the swimming or drifting bait accelerates, indicating a pickup.

5. Press the **MODE BUTTON** to move to the next display mode.
6. Turn it ON using the power lever.

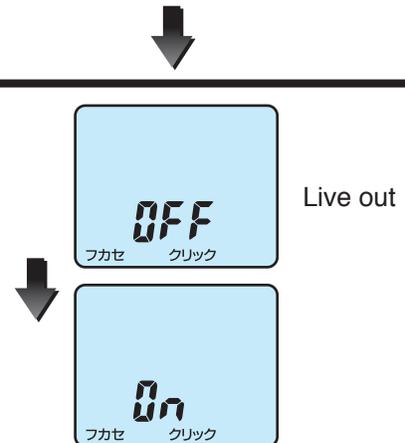


Can be properly adjusted to accommodate current/tidal speed as well as wave and swell size.
 - The available setting range is 1 to 10.

Live out Alarm

-Signals movement of a bait swimming or drifting in current with a beep for every meter moved.

7. Press the **MODE BUTTON** to move to the next display mode.
8. Turn it ON using the power lever.

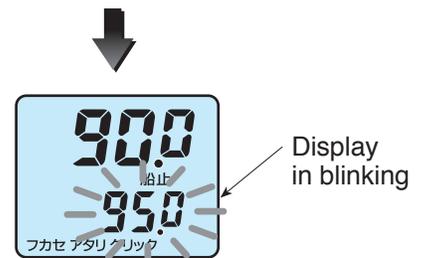


Strike Zone Memory

-Shows how much line was out when a hookup occurred and lets you drop a fresh bait back into the strike zone.

9. Press the **MODE BUTTON** to move to the next display mode.

-When **INVERSE COUNTER BUTTON** is pressed, the depth of stored strike zone will be calculated to one decimal place and then will be shown in the display.
 -When the boat is at a place shallower than the shelf stored in the memory, memory update will not be carried out until Auto Stop of winding.



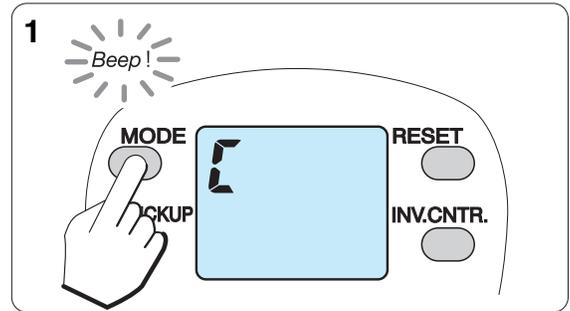
(An example of strike zone memory)
 (A case of alarm sounding at 95.0 m and winding for 5.0 m)

Functional setting operation (6. Pickup speed setting)

Pickup speed preference

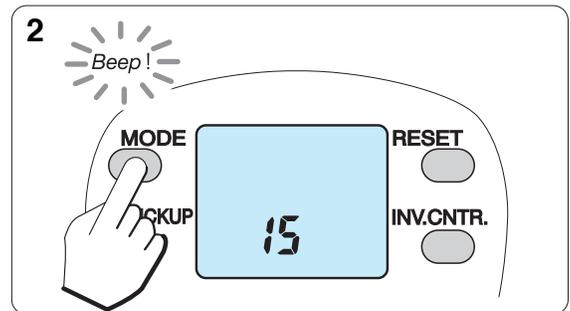
1. Press **MODE BUTTON**.

If the display is at **シャクリ** display, then move the power lever or press **RESET BUTTON** to show the display shown on the right.

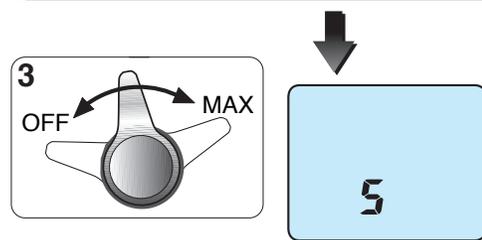


2. Press **MODE BUTTON** again.

This display is the pickup setting display.



3. Set speed with the power lever.



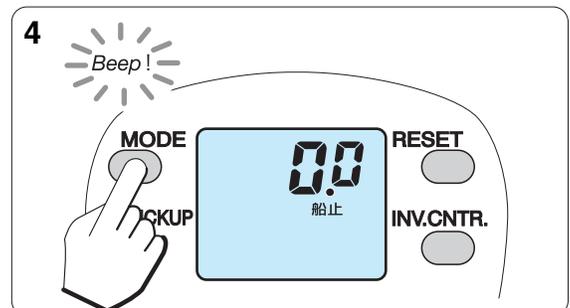
(the figure corresponds to the case of setting to 5)



While the power lever is at MAX position, pressing the **BPICKUP BUTTON** makes the motor run at the pre-set pickup speed.

Use

4. Press the **MODE BUTTON** to go back to depth readout.



1. While the **BPICKUP BUTTON** is in use for winding, winding speed is not displayed.

Attention

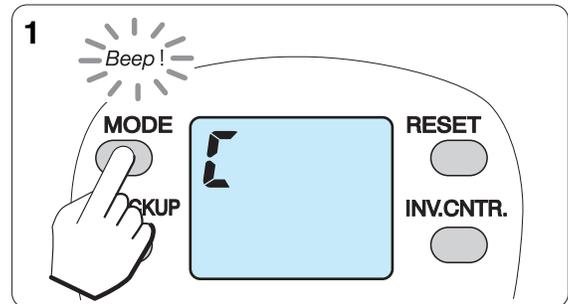
Functional setting operation (7. Jigging)

Jigging

Jigging is an extremely valuable function.
After setting your preferences, pressing the **JIG/PICKUP BUTTON** starts the function.
Speed of the jigging can be adjusted with the power lever.

1. Press the **MODE BUTTON** to show Jig/pickup display.

(When jigging is chosen, the pickup function cannot be used.)



Jig/pickup

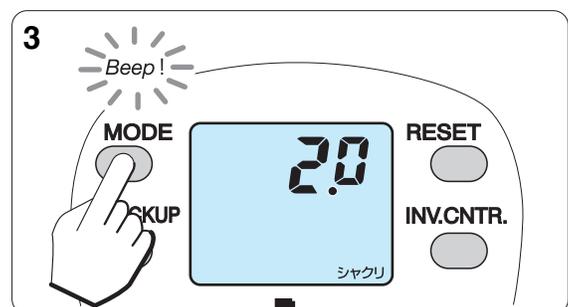
2. Jigging pattern is selected with the power lever.

There are four patterns; 123 (master), 1 step, 2 steps, 3 steps.

Jigging setting displays appear in the following order;
Pattern (step) > length (m) > waiting time (sec)



3. Press **MODE BUTTON** to show the next display. Pressing it also locks in the previous setting.



Jigging distance

4. In the same manner, set length, waiting time.

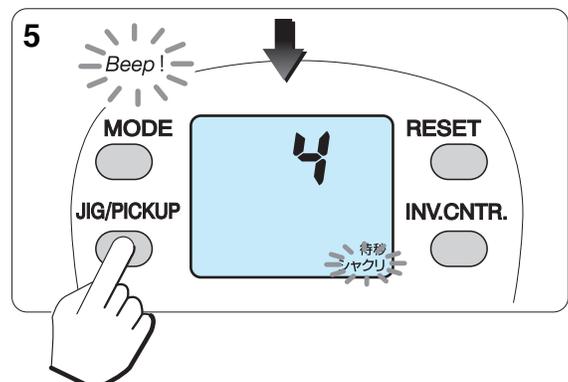
By pressing the **JIG/PICKUP BUTTON** during the jigging setting display, the display will show depth and begins jigging.

Pressing and holding the **MODE BUTTON** will quickly scroll you back to the depth counter display.



5. After pressing the **JIG/PICKUP BUTTON**, use the power lever to start jigging.

Jigging speed is controlled with the power lever.
As the jerking starts, **シャクリ** indicator blinks.
Pressing the **JIG/PICKUP BUTTON** again stops jigging.



Functional setting operation (7. Jigging)

Jigging master

You can choose the jigging pattern, range, waiting time you require.

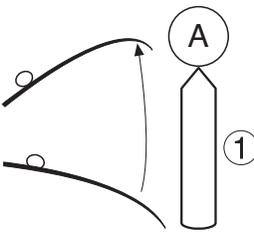
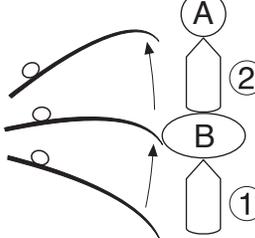
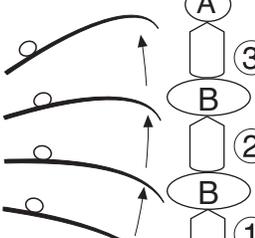
- Pressing the **PICKUP / JIGGING BUTTON**, starts jigging, with the display showing the **シャクリ** indicator. (Pressing the button once more cease jigging.) The power lever controls jigging speed.
- Shifting of jigging speed is done easily with the lever control.
- When a fish strikes during jigging, it turns off providing the power lever is turned to the OFF position. After that, normal winding is done with the power lever.
- To show the jigging display, refer to page 15.

1. Jigging pattern

You can choose the number of steps you wish for your jigging pattern.



(Preference setting)

One-step jigging	Two-step jigging	Three-step jigging	Master jigging
			
			

Master jigging (123) is the method in which the number of jigging steps is selected automatically by the computer.

A : 4 seconds stop
B : 0.4 seconds stop

2. Jigging length

You can choose the length of the line wound up in one jig action. (Depending upon the sinker, speed of winding, the jigging length may overrun its setting slightly.)

The length can be set in increments of 50 cm between 0.5 and 10 m.



(Preference setting)

Functional setting operation (7. Jigging)

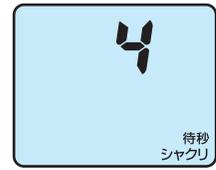
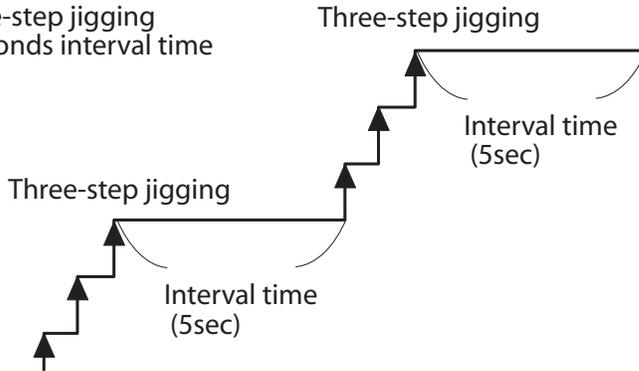
3. Waiting time

You can choose the waiting time between jigs. The interval time is set in seconds.



Example)

Three-step jigging
5 seconds interval time



(Preference setting)



Attention

- If jigging time is longer than the chumming timer setting, then the chumming timer setting takes priority and will wind up the line.

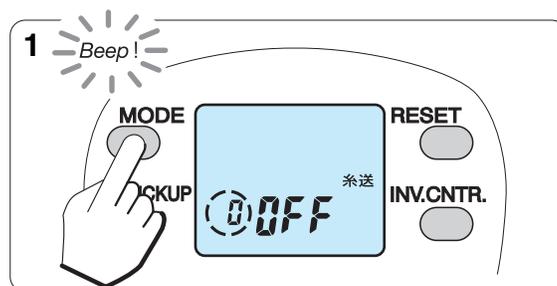
Functional setting operation (8. Line feeding function)

Line feeding function

The line feeding function lets our line with the motor assisting the spool.

- The line feeding mechanism begins to work at a depth of 2.5 m below the pre-set auto stop depth.
- When Live Lining mode is ON, line feeding will not automatically start.
- Speed of the line going out is adjusted with 32 speed levels ranging between 0 and Hi. It is adjusted in the line feeding mode.

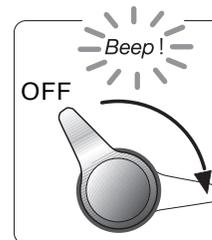
1. Press the **MODE BUTTON** to show the line feeding speed adjustment display. Default setting is zero (OFF). Set the speed level with the power lever.



(adjustment of line furnishing)

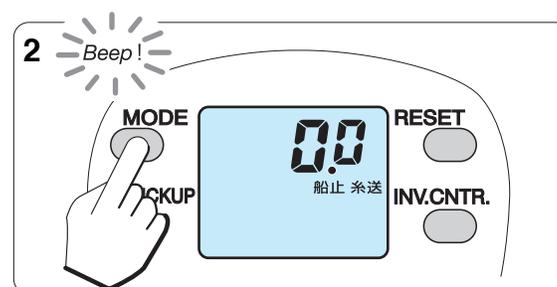


(the figure corresponds to the case of setting to 5)



2. Press the **MODE BUTTON** three times to show **0.0** (depth counter) to complete. The **糸送** will blink.

While the reel is feeding line with this function, its speed cannot be changed.



1. While Live Lining mode is enabled, use the power lever to feed the line.

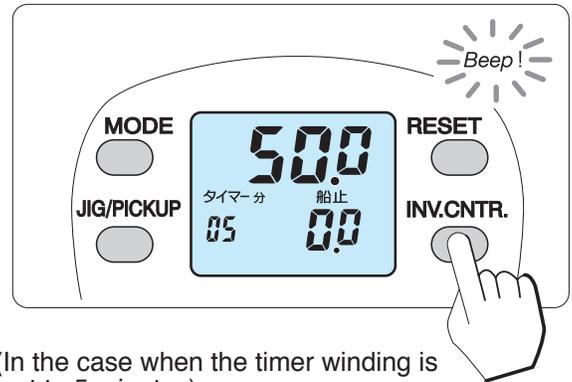
Attention

Functional setting operation (9. Chumming timer winding)

Chumming timer winding

The right timing for the best results. After a pre-determined amount of time has passed, the reel starts winding automatically.

- After pre-set 5 minutes have passed, the reel automatically winds up.
- When the timer is set, the timer indicator **タイマー** is shown in the display. To stop using the timer, set its time to zero.
- Pre-set time can be confirmed by pressing the **INVERSE COUNTER BUTTON**.
- The chumming timer will not function if the indication of the depth counter goes out of range (+20m and -20m). It will not function any more if once the indication of the depth counter goes out of this range.



1. Press **MODE BUTTON** until you come to the timer setting display.

タイマー is on the screen. The default setting is zero minutes or **OFF**.

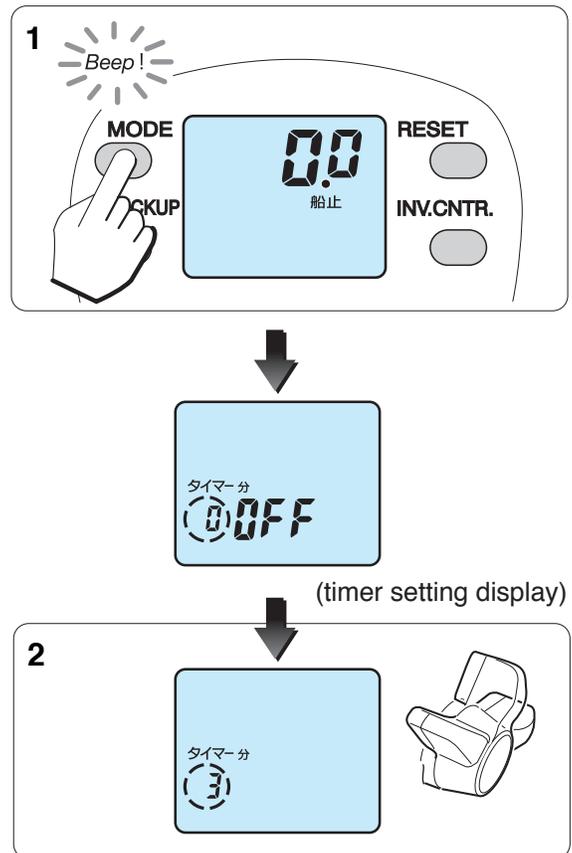


Use

The chumming timer helps ensure you check baits at even intervals, a real help when dropping multiple lines.

2. Use the power lever to set the number of minutes.

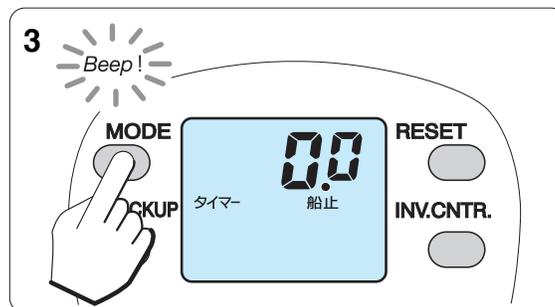
(Shown is the timer set to 3 minutes.)



Functional setting operation (9. Chumming timer winding)

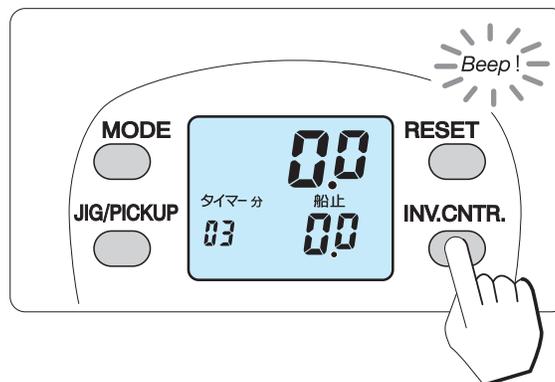
3. Press **MODE BUTTON** twice.

- When the display goes back to depth counter, then the procedure is completed.
- The **タイマー** indicator is seen on the display.
- The time set can be checked by pressing the **INVERSE COUNTER BUTTON**.
- Pressing and holding down the **MODE BUTTON** scrolls quickly back to the depth display.



4. When the set time is reached, the reel begins to wind at its maximum speed.

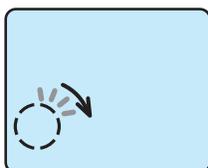
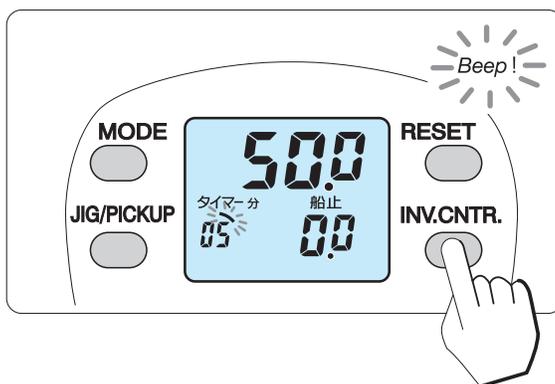
An audible alarm sounds.



Chumming timer

This function is useful timing

- This function displays the time passed after the presentation of your bait or lure. It can be used for chumming, jigging timing or reeling in your rig.
- The chumming timer starts from 7.0 m on the counter, unless a specific fishing range has been entered into memory. Display time is shown in seconds if remaining time is less than 60 seconds, in minutes if remaining time is more than a minute.



The outer frame expresses 10 seconds with each arch segment.

Counter initially shows seconds, after 1minute, indicates minutes.



Attention

1. Pressing the **INVERSE COUNTER BUTTON** while the timer is in operation re-starts the timer from **0.0**.

Functional setting operation (10. Display recalibration)

Display revision

You can recalibrate the counter should it not indicate an accurate depth compared to depth markings on your line.

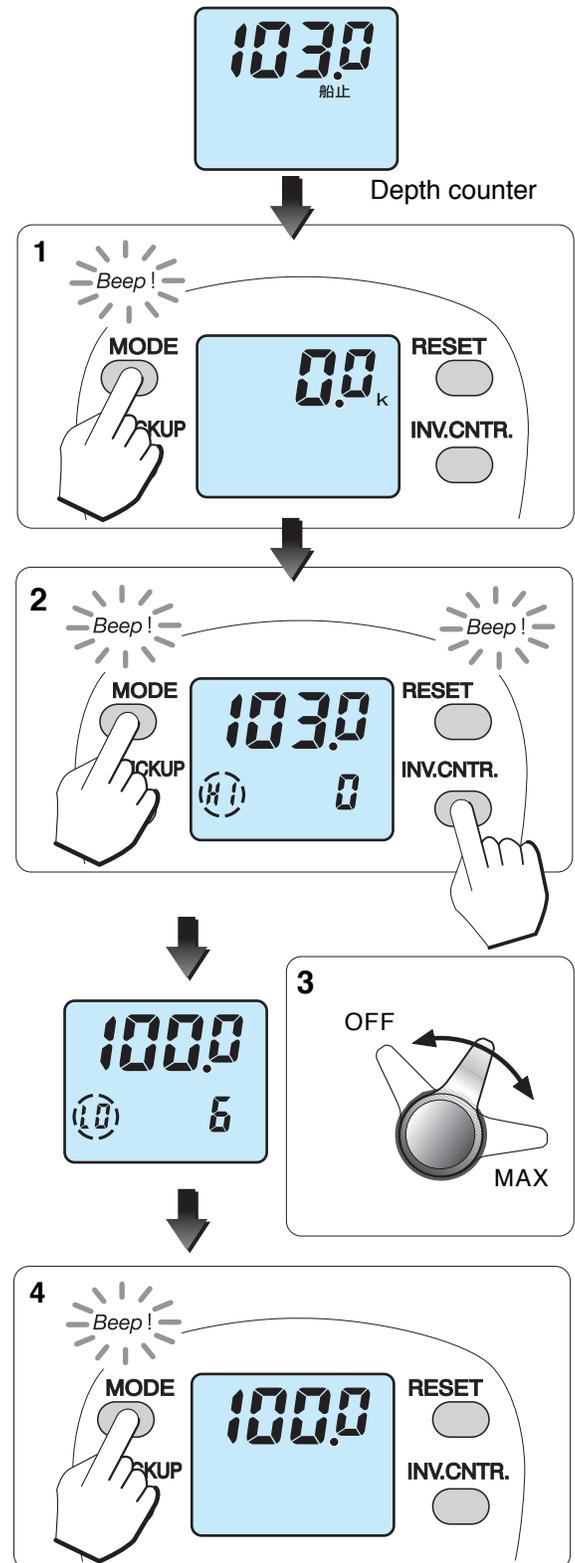
Example below is the case in which, though the counter shows 103 m, color markings on the line indicate 100 m.

1. Press **MODE BUTTON** six times to show on the display real fishing time and total winding length.

2. Press **MODE BUTTON** and **RESET BUTTON** at the same time for 2 seconds.
This displays revision display.

3. Move the power lever to change the display's reading to **100.0**.
(Occasionally, for the revision rate, the exact number cannot be attained.)

4. After **100.0** is reached, then press the **MODE BUTTON** to return to depth display.
With this procedure, the inverse counter is reset. In the revised display, pressing of the **RESET BUTTON** changes the reading back to the unrevised value.



Useful functions

Various alarms

Many kinds of information are indicated by audible alarms.

Power lever alarm

- Placing the Power lever at MAX or OFF positions evokes an alarm.



- Live Line alarm

- The alarm will sound when the line spools out quicker than the preset range when the clutch is OFF and when line is being spooled out with drag while the clutch is ON.

Auto stop alarm

- While winding up, starting 6 m below the auto stop depth, an alarm beeps at two meter intervals. Upon reaching the auto stop depth, a long alarm sounds.

Range memory alert

- While lowering your rig back into the strike zone, starting 6 m above the memorized strike depth, an alarm sounds at two m intervals with a long alarm sounding once the target depth is reached.

(This range memory alarm does not sound unless line has been wound more than 6 m above the memorized depth.)

Switch alarm

- Each time a button is pressed, a confirming beep is sounded.

Excessive voltage alarm

- Should you attach a power source with a voltage higher than the acceptable level, a continuous alarm will sound. DO NOT operate the reel. Disconnect the power source. Connect a power source with the proper voltage.

Timer alarm

- Chumming timer winding is indicated by an alarm.

- Live Out alarm

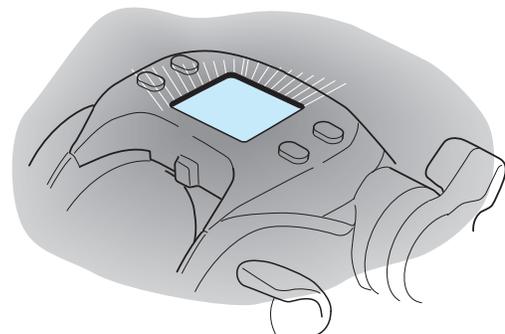
- The alarm beeps every 1 m to audibly detect the line feed.

Display light

Backlighting of the display provides easy reading for early morning or night fishing.

Backlighting of the display provides easy reading for early morning or night fishing.

- As long as the reel is connected to a power source, the display backlight is on.



Reel Specification

Reel Specification list

Product name	SEABORG 500Fe		
Product code	40801271		
Gear ratio(manual winding)	2.9 : 1		
Weight (g)/(oz)	760 g / 26.8 oz		
Max Drag power (kg)/(lb)	8 kg/17.6 lb		
Line Capacity (m)	DAIWA BRAIDED	MONO	BRAIDED
	PE4(55lb)-470m(510yds)	25lb-330m(360yds)	40lb-470m(510yds)
	PE5(70lb)-350m(380yds)	30lb-240m(260yds)	50lb-350m(380yds)
	PE6(80lb)-300m(330yds)	—————	60lb-300m(330yds)
Number of Ball bearings	11		
Range of acceptable voltage	DC 12 V – 16.8 V		
Max winding speed (no load)	200 m / min		
Normal max winding speed (1.5kg load)	Approximately 170 m / min		
Instant max winding power	25 kgf		
Electric current (Amps)	No load	3.0	
	stall	9.0	
	Max	15.0	
Speed shifting	No load	0 – 200 m / min (continuous shifting)	
Best battery size	Light use-Super Lithium 8000, Heavy use-20Ah battery.		

- Hi speed (no load) = power voltage 12 V, maximum speed of winding at spool fully wound.
- Normal max winding speed = 1.0kg load, the average speed of 100 m winding.
- Instant max winding power = power voltage 12 V, smallest radius of spool.

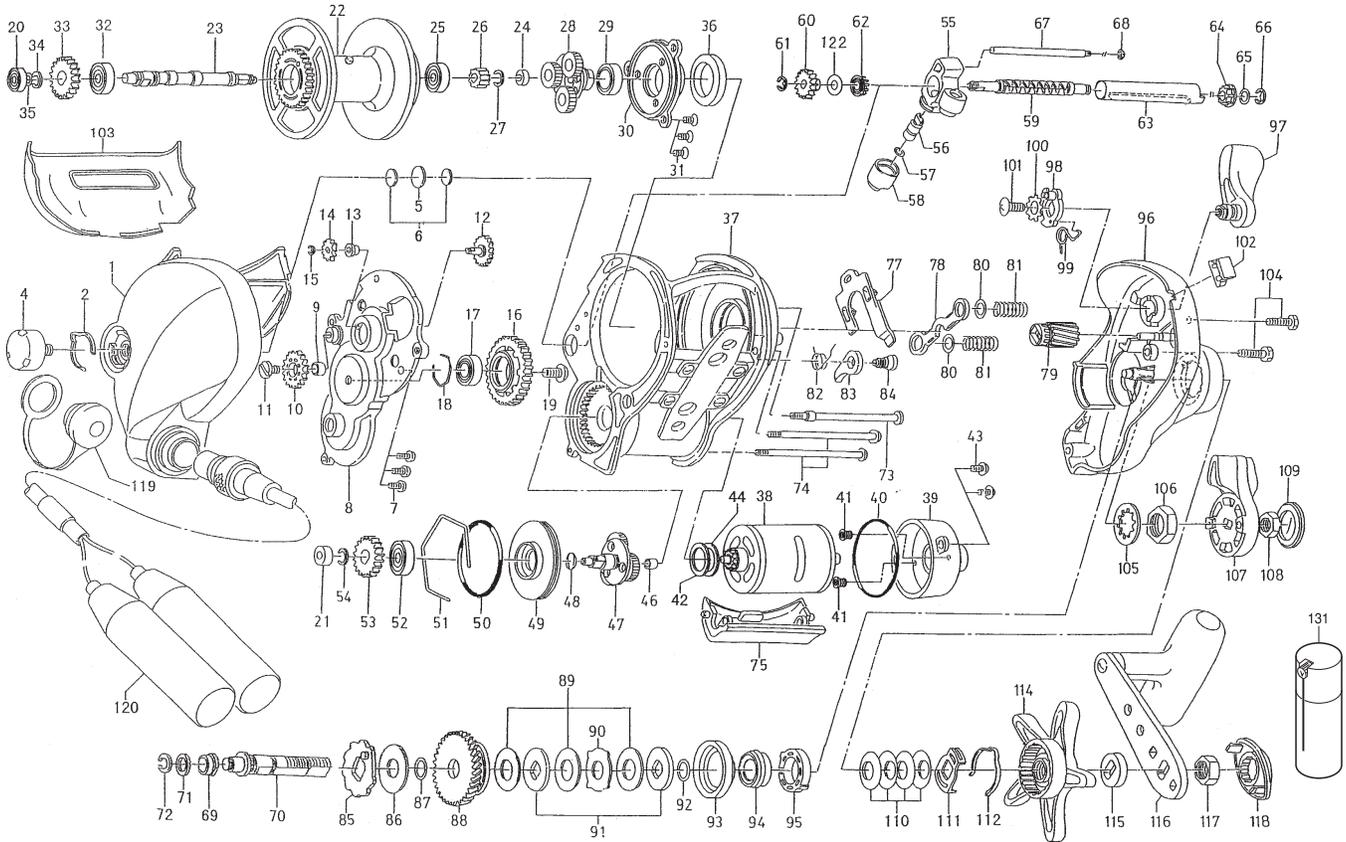
Counter display

Depth display range	Upper counter; 0.0 – 999.9 m Lower counter : -99.9 – 999.9 m
Usable temp. range	-10 to +60 (degrees centigrade)

Specifications may be changed without prior notice for the purpose of improvement.

Parts List

SEABORG 500Fe



SEABORG 500Fe

No.	Parts No.	Parts Name	No.	Parts No.	Parts Name	No.	Parts No.	Parts Name
1	6G587804	IC MODULE L/S PLATE SET	48	6F657801	MOTOR GEAR(A) O-RING	94	6G139401	DRAG COLLAR(A)
2	6E033201	BRAKE CLICK SPRING	49	6G242901	MOTOR CASE PLATE	95	6F860901	DRAG COLLAR(B)
4	6F462002	BRAKE ADJ KNOB	50	6F274501	MOTOR CASE O-RING	96	6G581401	R/S PLATE
5	6B175503	MECHANICAL BRAKE WASHER(A)	51	6F466601	MOTOR CASE RING	97	6F469011	CLUTCH LEVER
6	63757405	MECHANICAL BRAKE WASHER(B)	52	6G241601	MOTOR CASE BALL BEARING	98	6F469201	CLUTCH CAM
7	63510901	SET PLATE SCREW	53	6G242701	MOTOR GEAR(B)	99	6G341101	CLUTCH CAM SPRING
8	6F462201	SET PLATE	54	63208702	MOTOR GEAR(B) RETAINER	100	61608001	CLUTCH CAM WASHER
9	6F540701	IDLE GEAR(A) COLLAR	55	6G580701	LEVELWIND	101	63538212	CLUTCH CAM SCREW
10	6F462301	IDLE GEAR(A)	56	61220602	LEVELWIND PAWL	102	6E286001	LINE HOLDER
11	6F113401	IDLE GEAR(A) SCREW	57	6F950200	LEVELWIND WASHER	103	6F469614	FINGER GUARD
12	6F462404	IDLE GEAR(B)	58	6E354101	LEVELWIND NUT	104	6F469701	R/S PLATE SCREW
13	6F462701	IDLE GEAR(C) COLLAR	59	6G580801	WORM SHAFT	105	6F285901	POWER LEVER WASHER
14	6F462802	IDLE GEAR(C)	60	6F658201	WORM SHAFT GEAR	106	6F303102	POWER LEVER NUT(A)
15	6B864101	IDLE GEAR(C) RETAINER	61	63205901	WORM SHAFT RETAINER(L)	107	6F429701	POWER LEVER
16	6G070101	SET PLATE GEAR	62	6F467201	WORM SHAFT BUSHING(L)	108	63424004	POWER LEVER NUT(B)
17	6G070301	SET PLATE GEAR BALL BEARING	63	6F467301	WORM SHIELD	109	6F430002	POWER LEVER COVER
18	6G070201	SET PLATE GEAR RING	64	6F467201	WORM SHAFT BUSHING(R)	110	6E253501	DRAG SPRING WASHER
19	63538212	SET PLATE GEAR SCREW	65	6B411702	WORM SHAFT WASHER(R)	111	6F862901	DRAG CLICK SPRING HOLDER
20	66372102	SPOOL SHAFT BALL BEARING(A)	66	63205901	WORM SHAFT RETAINER(R)	112	6B747702	DRAG CLICK SPRING
21	6E280201	MOTOR GEAR BUSHING	67	6F467401	LEVELWIND POST	114	6F470211	STAR DRAG
22	6F463106	SPOOL	68	6B864101	LEVELWIND POST RETAINER	115	6F470303	HANDLE COLLAR
23	6G579501	SPOOL SHAFT	69	6F716101	DRIVE SHAFT BUSHING	116	6G581601	HANDLE
24	6G281602	SPOOL GEAR BALL BEARING(A)	70	6F725501	DRIVE SHAFT	117	6B862102	HANDLE NUT
25	6G536001	SPOOL BALL BEARING	71	6F481201	DRIVE SHAFT COLLAR	118	6F471207	HANDLE CAP
26	6G241101	SPOOL GEAR(A)	72	63207601	DRIVE SHAFT RETAINER	119	6F661001	CONNECTOR CAP
27	6F550501	SPOOL GEAR RETAINER	73	6F541701	FRAME SCREW(A)	120	6G868701	ELECTRIC POWER CORD
28	6G580601	SPOOL GEAR(B)	74	6F467601	FRAME SCREW(B)	122	63716904	WORM SHAFT WASHER(L)
29	6G427201	SPOOL GEAR BALL BEARING(B)	75	6F467717	MOTOR COVER	131	6X148901	REEL WASH OIL
30	6G579901	SPOOL PLATE	77	6F467801	YOKE PLATE	200	6Y455201	OWNER'S MANUAL
31	6B395503	SPOOL PLATE SCREW	78	6E252102	YOKE			
32	6G536001	SPOOL SHAFT BALL BEARING(B)	79	6G581201	PINION GEAR			
33	6G087501	SPOOL SHAFT GEAR	80	6E037704	YOKE SPRING WASHER			
34	63208702	SPOOL SHAFT RETAINER	81	6F935201	YOKE SPRING			
35	6B411700	SPOOL SHAFT WASHER	82	6F673401	ANTI-REVERSE PAWL SPRING			
36	6E292702	SPOOL PLATE BALL BEARING	83	6F468101	ANTI-REVERSE PAWL			
37	6F657305	FRAME	84	6F658701	ANTI-REVERSE PAWL SCREW			
38	6G241801	MOTOR	85	6E290801	RATCHET			
39	6G242101	MOTOR HOLDER	86	63746604	RATCHET WASHER			
40	6F465901	MOTOR HOLDER O-RING	87	6F657801	DRAG O-RING(A)			
41	6G173401	CORD SHIELD	88	6G242801	DRIVE GEAR			
42	6G073001	MOTOR SHIELD	89	6F659305	DRAG DISC WASHER			
43	63511801	MOTOR HOLDER SCREW	90	6F659403	DRAG EARED WASHER			
44	6B270708	MOTOR WASHER	91	6F659503	DRAG KEY WASHER			
46	6G075601	MOTOR GEAR(A) BEARING	92	6F657801	DRAG O-RING(B)			
47	6G242301	MOTOR GEAR(A)	93	6F659601	DRAG COLLAR SHIELD			

There may sometimes be a difference between the purchased reel and the Dismantled Parts Chart or the parts list above due to the adjustment process etc. We appreciate your understanding.

Trouble shooting

Symptom	Possible causes	To do	Ref. page
Motor does not respond to the power lever	The counter displays 0.0 m.	It is a normal function to avoid over winding. Press RESET BUTTON to continue winding.	8,18
	Did not pull the lever to OFF position.	Pull the lever to OFF and then move forward again to start winding.	7
	Unstable power source	Use another power source, such as electric reel specific batteries.	3
Counter display does not appear.	Battery charge is low.	Recharge the battery.	3
	Cord worn or corroded	Replace the cord.	5
	Incorrect battery connection	Connect correctly.	2
Inverse counter does not appear	Did not press INVERSE COUNTER BUTTON	It is normal. Press INVERSE COUNTER BUTTON .	8
Jigging will not start even when JIGGING BUTTON is pressed.	The power lever is set to the OFF position.	Set a jigging speed using the power lever.	23-25
The reel jigs on its own.	Low power voltage	Replace with a recharged battery.	3
	Unstable power source	Use another power source, such as electric reel specific batteries.	3
Auto stop function does not work	Did not press RESET BUTTON at surface	Press RESET BUTTON to reset depth to zero with rig at the surface.	14
	Error for sinker weight or rocking of the boat		14,15
	Line is elongated.	Reset the depth counter at the surface.	14
There are counter errors.	Line length has increased due to stretching.	Reset the counter.	14
	There was a large tension change because of catch/loss of a fish.	Revise the display.	17

Contact your dealer if the reel does not function properly despite the above details being confirmed, in the event of other problems arising, and to order parts.

Reference

COMPANY NAME	DAIWA CORPORATION
ADDRESS	12851 MIDWAY PLACE CERRITOS CA 90703 U.S.A
TEL NO.	(562)-802-9589

LIMITED WARRANTY TERMS

WARRANTY WILL EXPIRE WHEN ONE OF THE FOLLOWING HAS BEEN SURPASSED.

*ONE YEAR FROM DATE OF ORIGINAL PURCHASE.

*200 TOTAL HOURS OF USE.