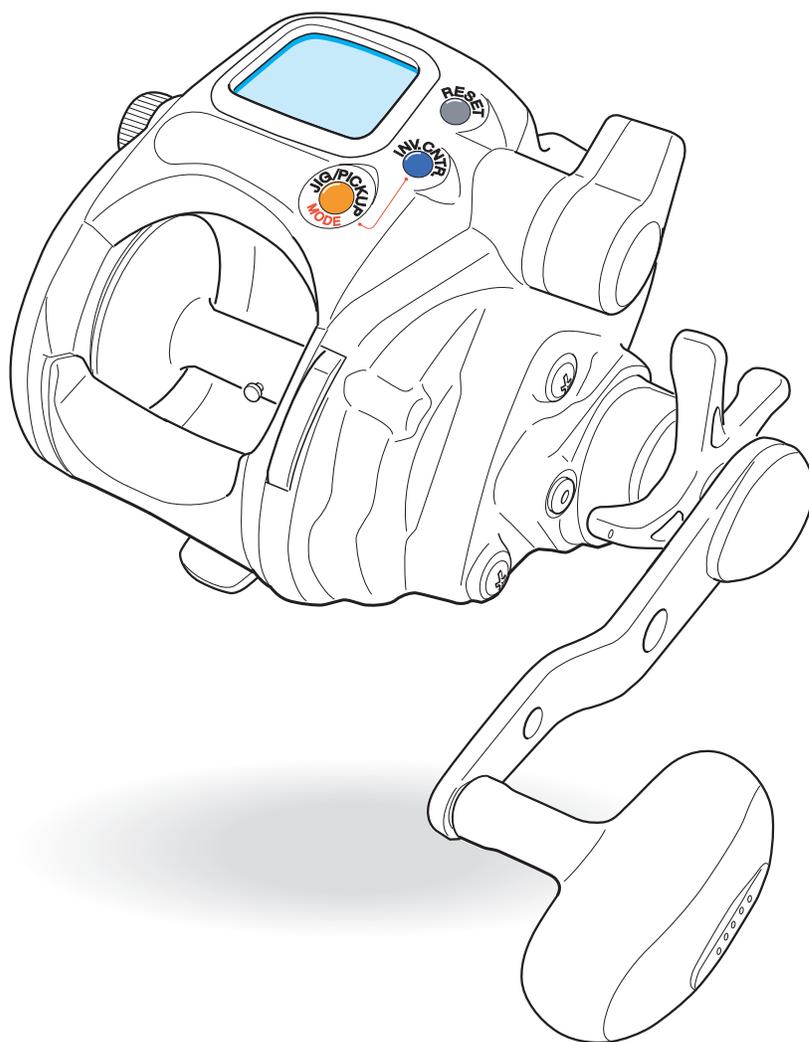


SEABORG 300FB

OPERATING MANUAL

Thank you for purchasing a SEABORG 300FB. To take full advantage of the reels many useful functions, please read this manual carefully before using. Retain this manual for future reference.



Reference



Index

Caution	1	11. Usefui functions	32
Precautions	1	Various alarms	
Power source	2	ON/OFF selection of alarm	
How to connect the reel to the power source	2	Display lighth	
About the power source	2	Notification message of belt replacement timing	
Battery indicator	2	Reel Specifications	33
Maintenance	3	Reel Specification list	
About maintenance	3	Counter display	
Maintenance procedure	3	Parts List	34
Handling and maintenance of the power cord	4	Trouble shooting	35
Maintenance of the power cord	4		
Other maintenance points	4		
Names and functions of each part	5,6		
Names of the buttons and the display	7,8		
Line data input	9-17		
Daiwa braided line	9,10		
When line length is known	11,12		
with backing line	13,14		
Inputting the drawer	15,16		
Functional setting operation	17-32		
1 Mode setting display	17,18		
How to set the many functions available			
2. Before you begin fishing	19		
Surface depth setting			
When the main line is cut or broken off.....			
3. Auto stop function	20,21		
Auto stop setting			
Auto stop			
4. Line feeding function	22		
Line feeding function			
5. Inverse counter	23		
Inverse counter			
6. Chumming timer	24		
Chumming timer			
7. Chumming timer winding	25,26		
Chumming timer winding			
8. Jigging	27		
Jigging			
9. Jigging master	28,29		
Jigging master			
10. Display revision	30,31		
Display revision			



Methods of Inputting Line

I can input this reel by the following method.

P0 Line Input Mode 9,10

The input method is simple: all you have to do is just to input data for spooling the reel with Daiwa shelf sensor bright.

P1 Inputting the line length 11,12

This method is used when the line length is known before winding.

P2 Inputting line Backing 13,14

Input method of back line data
This will require a main line of 100m or longer specific length.

P3 Data Re-entry 15,16

Method of re-inputting of line values after the main line is originally wound.



The electric reel used in the animation is TANACOM BULL-1000.

See animation

Electric reel's basic operations

Caution

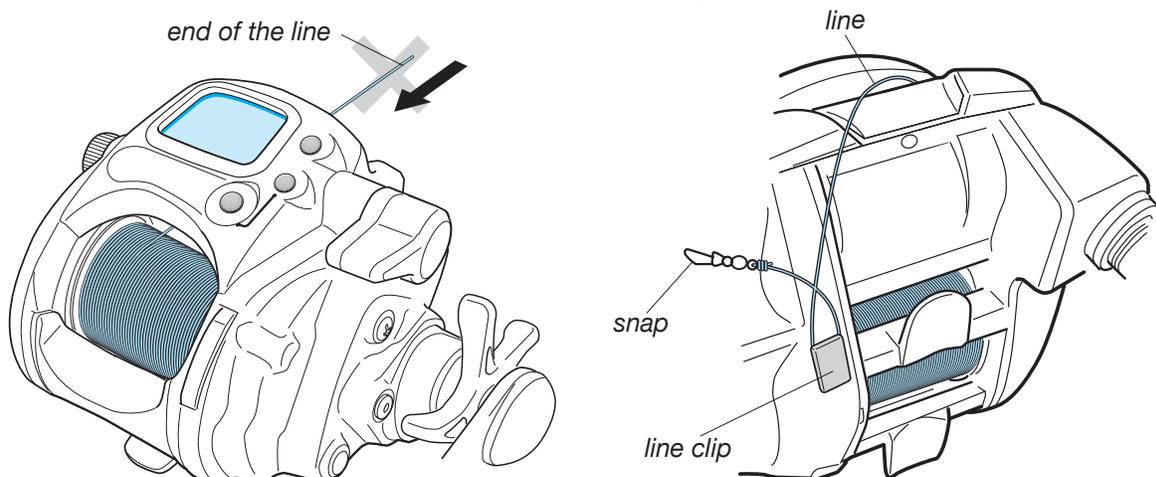
Precautions

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.2. When the clutch is engaged and the line feeding motor is in operation, be careful not to catch your fingers to avoid any injury.	
	Attention		<ol style="list-style-type: none">1. If your sinker or lure is caught on the bottom, cut your line rather than jerk the rod to free it. (Protect your hands with gloves or towel.)2. After fishing, rinse and dry the reel thoroughly. Store in a dry place. Loosen the drag after use.3. Handle the reel with care. Dropping it may cause damage.4. Do not touch the line while reel is running. It could cut your skin.5. Use this reel for fishing purposes only.6. Be careful not to get reel grease on your clothing.7. Do not use metal wire for the main line.8. Sharp impacts due to inadvertent drop or other reasons may cause reel body breakage, damage to the inner electronic components, and cracks or short circuit of the board, resulting in functional disability.
			<ol style="list-style-type: none">1. When you use a power source other than the battery or the power source provided by 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.

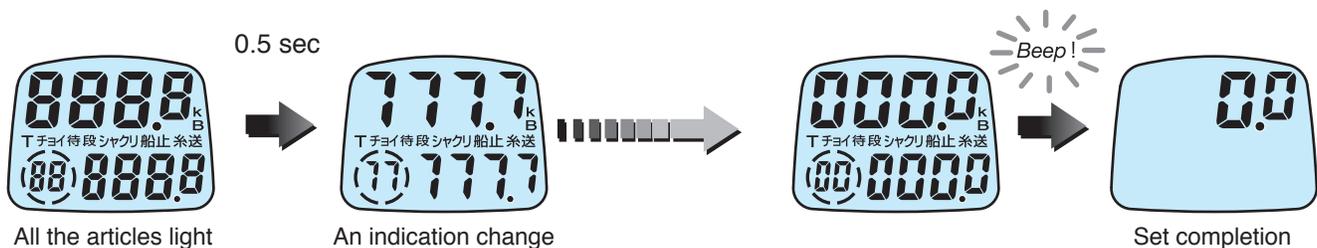
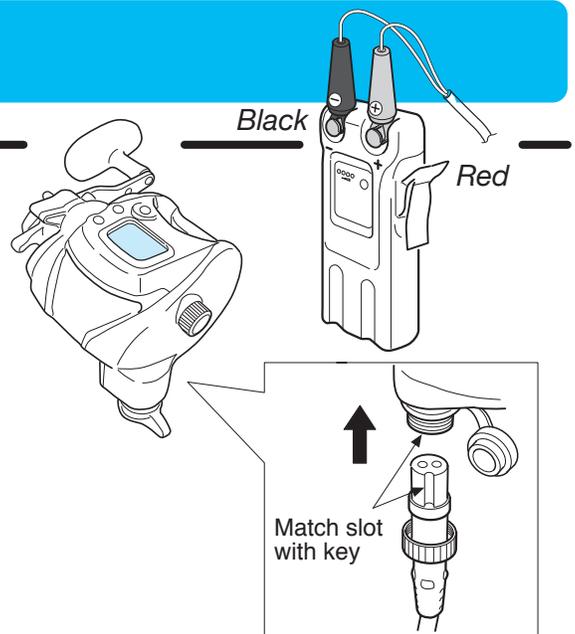


Power source

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.

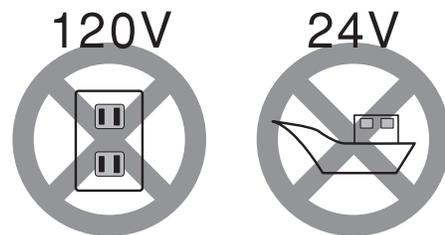
By taking the appropriate steps, the indication will change as shown below and the data will be set.



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.

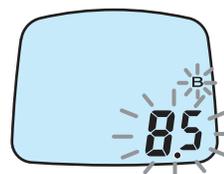


Make sure of the following before departure.

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

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.

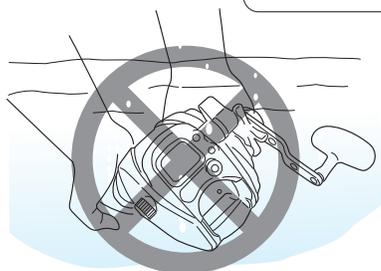
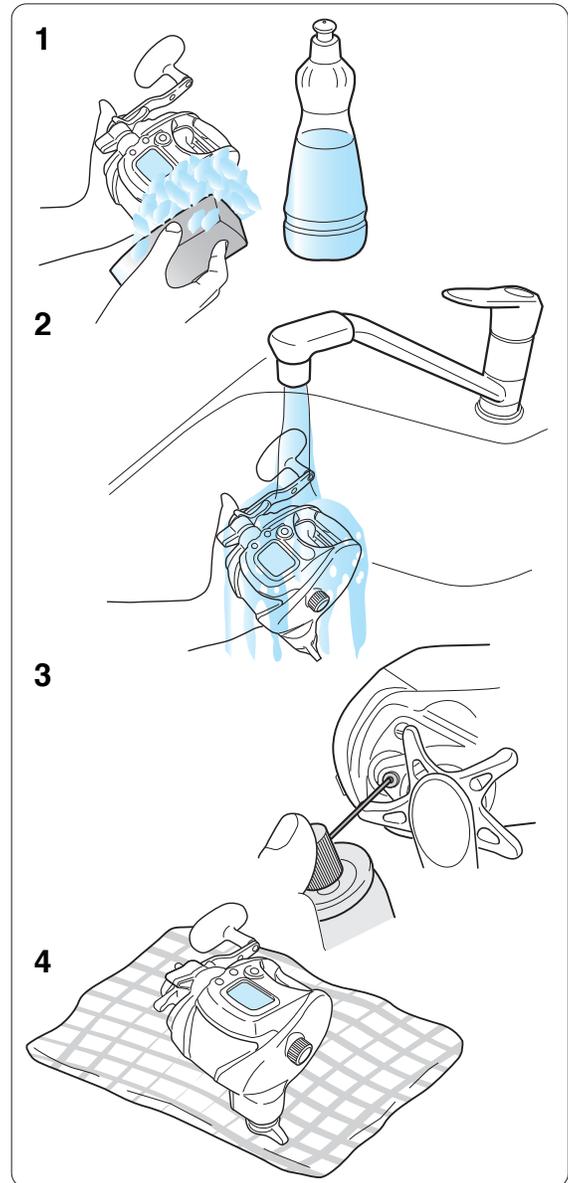
2. Rinse detergent and dirt away with running water, rinsing the spool very well to get rid of salt. Use warm water, under 30 degrees centigrade.

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.



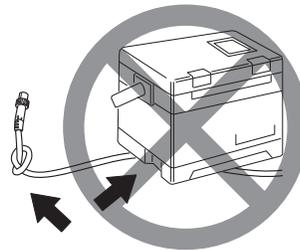
Do not hang the reel by the power cord.



Do not wind the power cord around the reel body with the connector inserted into the reel.



Do not wash the power cord.

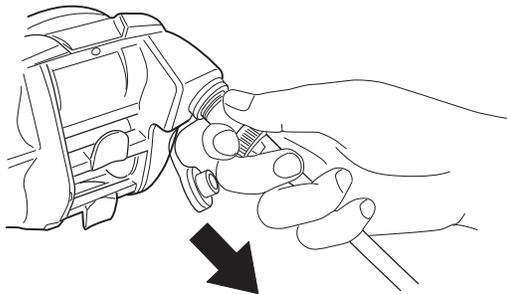


Do not set heavy items on the power cord, or tie knots in the power cord.

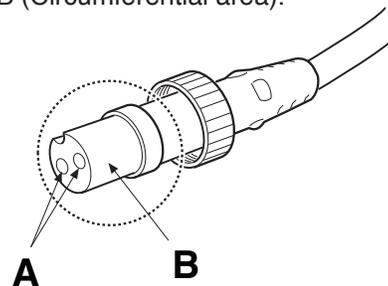
Maintenance of the power cord

- 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.

Hold the connector, not the power cord, to pull the power cord from the reel



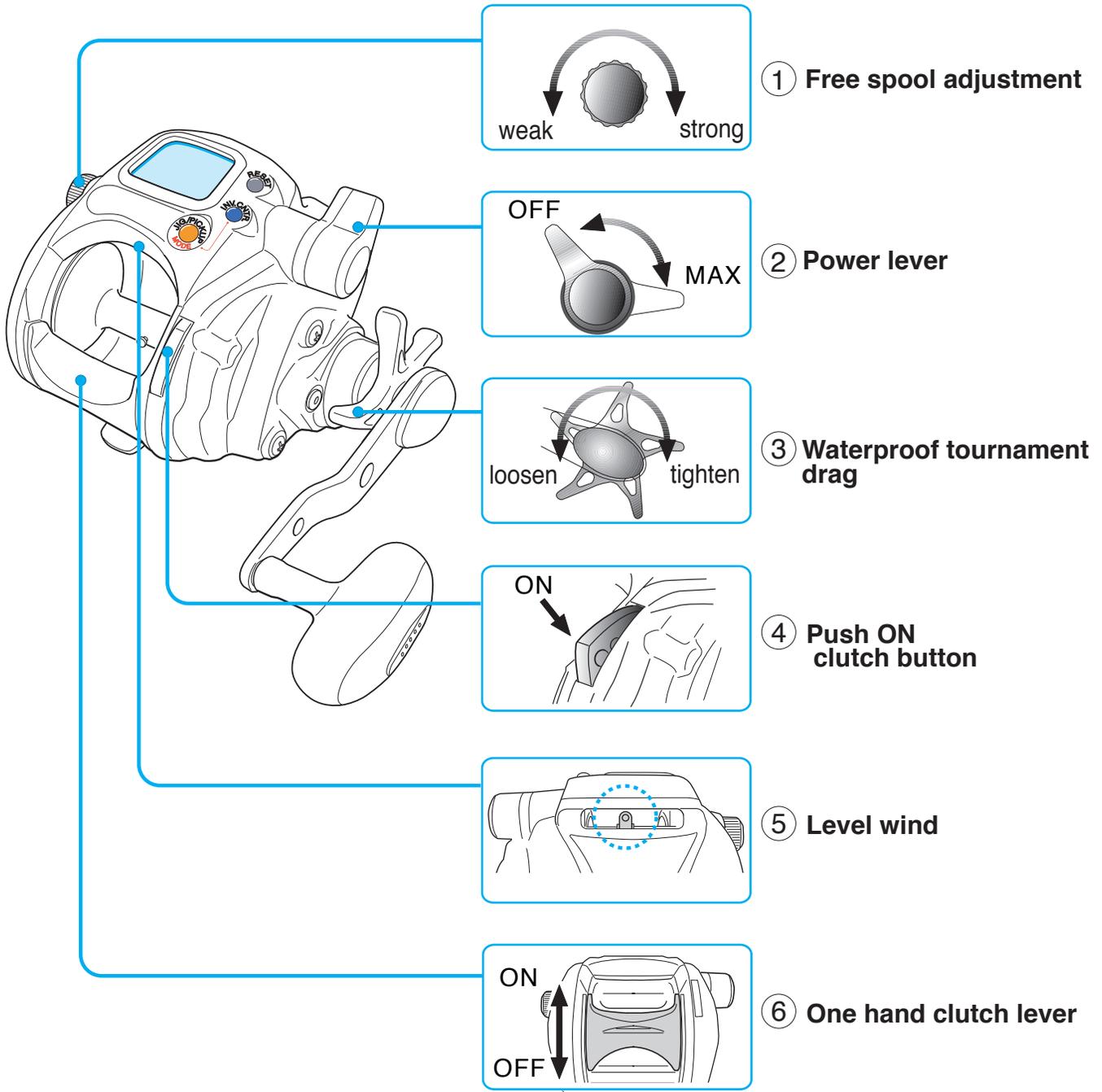
Clean and grease area A (pins) and area B (Circumferential area).



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 and functions of each part



⑦ Enclosed items



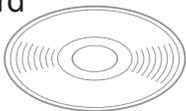
Power cord



Storage bag



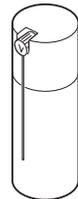
Reel seat protector



Manual CD-R



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 Push ON clutch button

- When the clutch is off simply push the button to engage the clutch to the on position.
- If the clutch setting is OFF, tilt the lever so that the clutch is set ON

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.)

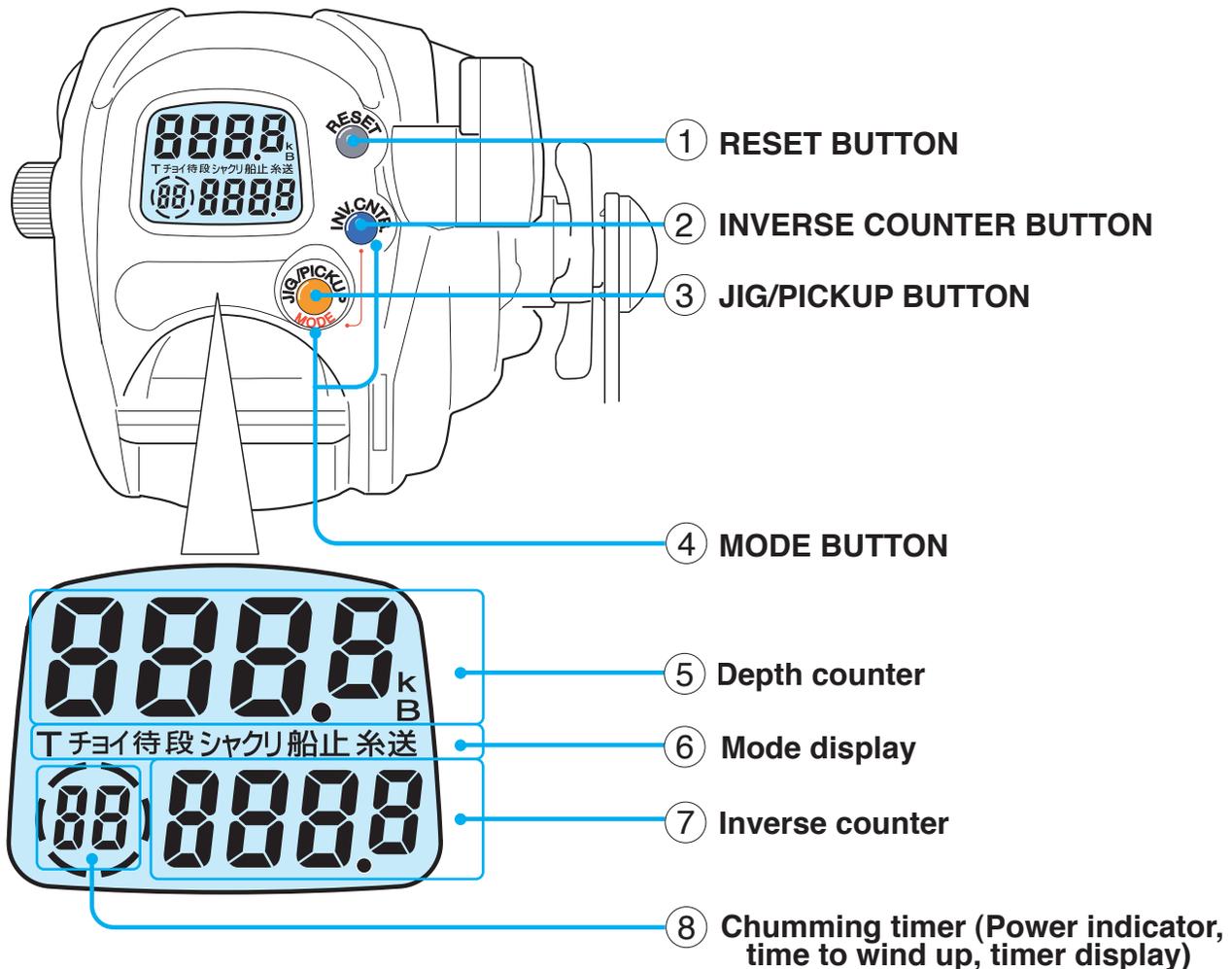
6 One hand clutch lever

- The clutch can be set OFF just by pressing down the lever lightly with your thumb.
- When the clutch setting is ON: Turning the handle winds up the line.
- When the clutch setting is OFF: Spooling can be made freely. The clutch is set ON by turning the handle in the normal direction.

7 Enclosed items

- Power cord
 - Manual CD-R
 - Storage Bag
 - Levelwind threader (This tool simplifies threading line through the levelwind.)
 - Reel guard oil
 - Reel seat protector
- Use this seal to protect your rod from being damaged by the reel frame.
Please note that attaching this protection seal may disable the reel from being installed to some rods.

Names of the buttons and the display



1 RESET BUTTON

This button resets the depth counter to zero.
The chumming timer is reset.

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.

Do not continuously hold down the reset button. This will prevent any counter errors. If you feel there is a counter error or you made an operational mistake, press the **RESET BUTTON** to bring the counter indication back to $\frac{0.0}{0.0}$ m, and restart from the beginning.

If $\frac{0.0}{0.0}$ is not displayed on the counter, press the **INVERSE COUNTER BUTTON**.

2 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.
- Once the button is pressed, the **INVERSE COUNTER BUTTON** can not be turned off.

Names of the buttons and the display

③ 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 within the range of 0-Hi with the mode setting display. (Default setting is speed 15)
- If the winding speed is set to 0, pressing the button will not start the winding operation. Also,  will not be displayed on the counter screen.

Jigging

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

④ MODE BUTTON

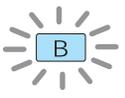
- Simultaneously press the **INVERSE COUNTER BUTTON** and the **JIG/PICK UP BUTTON** for two seconds to select a "setting screen" of various useful functions.
- Once setting selection has been made, the setting will be applied on the next fishing trip.
- Use the Power Lever to adjust numeric values.
- 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.

⑤ Depth counter

- It shows the depth from the surface.

⑥ Mode display

- This display allows you to change setting of each function.
- Functions that are operable, once set will light up and blink.

Display	Function	Display	Function
	Pressing the RESET BUTTON makes this indicator appear. (If the RESET BUTTON is not pressed, Auto Stop will work at 5.0m from the broadside.)		Chumming timer starts working.
	While the JIG/PICKUP BUTTON is being pressed, the line can be electrically wound up.		Pressing the JIG/PICKUP BUTTON makes the function work. Pressing the button again stops it.
	Auto Line feeding is employed. Default setting is off.		If the supply voltage drops, the indicator will blink. (Pressing the MODE BUTTON does not change the indication.)

⑦ Inverse counter

- This counter shows the depth from the bottom (or a certain depth).
- Once this counter is turned on, its display cannot be turned off.

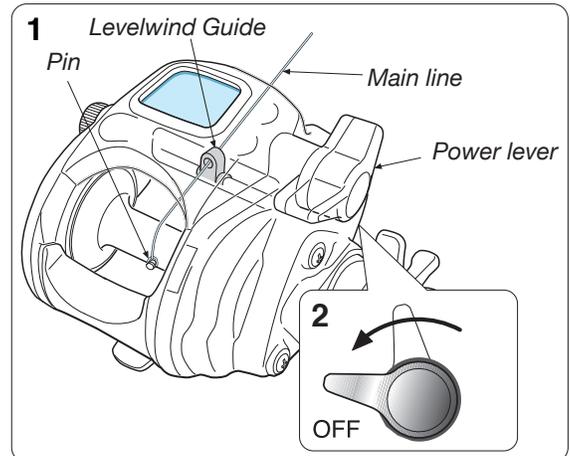
⑧ Chumming timer (Power indicator, time to wind up, timer display)

- The chumming timer appears when motor rotation is stopped.The timer display cannot be set to OFF.

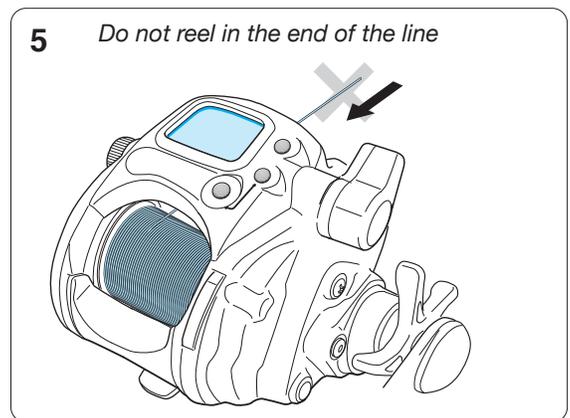
Line data input (Daiwa braided line)

All you have to do is just to input line data 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.



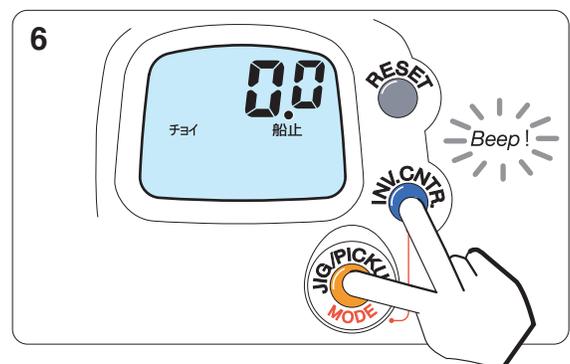
If the line is wound indoors at a low speed and with a high tension for a long period of time (*1), the motor will be overheated, which may cause motor failure. Tilt the power lever to the MAX position before inputting a value. This issue does not need to be considered during fishing because the motor will be cooled by sea water.

(*1) If the line is wound continuously for 10 minutes, the motor overheat prevention function will start to work, which will stop the motor. In this case, the display will start to blink and any operation will become unavailable for 5 minutes. When the countdown display on the chumming timer indicator area reaches "4→3→2→1→0" (min.), a beep will sound and data inputting will become available again from the state immediately before the motor stoppage.

6. While "0.0" is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 6 seconds, until the display shows **P0** on left area of the display.

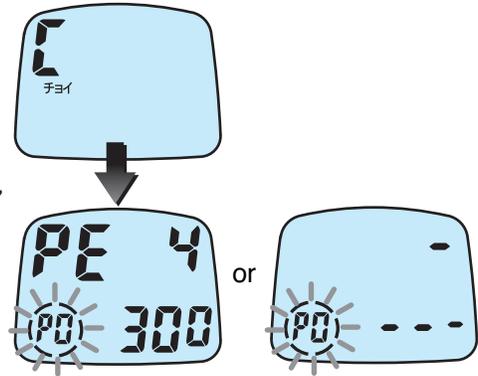
This will show the line setting display.

The display will change to the pickup mode 2 seconds after the buttons are pressed, but keep pressing the buttons, and the display will change to the line setting mode.



Line data input (Daiwa braided line)

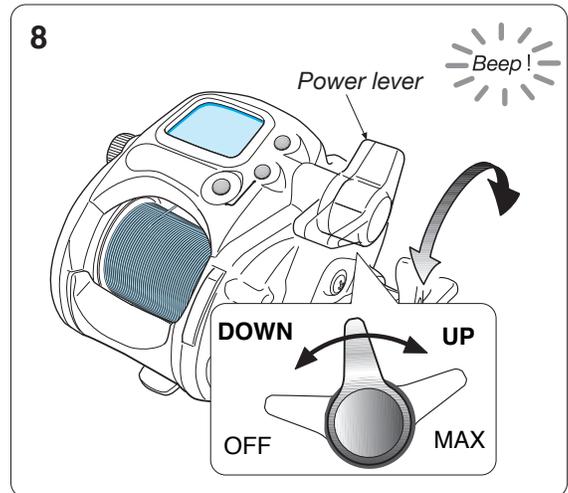
7. Default setting “PE 4 – 300 m” is shown on the display and P0 blinks.



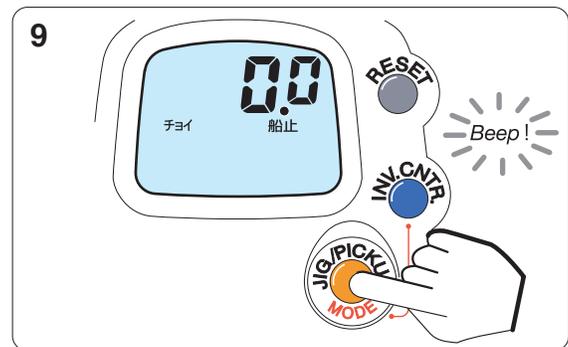
8. Set the value with the power lever.
 -Tilting the lever forward increases the value.
 -Pulling the lever back decreases the value.

The table below shows the list of data.

Line thickness	PE (Display shows PE at upper left of the display) (m)		
PE 3	200	300	400
PE 4	200	300	—
PE 5	200	230	—



9. After the value is set with the power lever, press the **MODE (JIG/PICKUP) BUTTON**. This completes the operation and returns to (0.0m).



Use

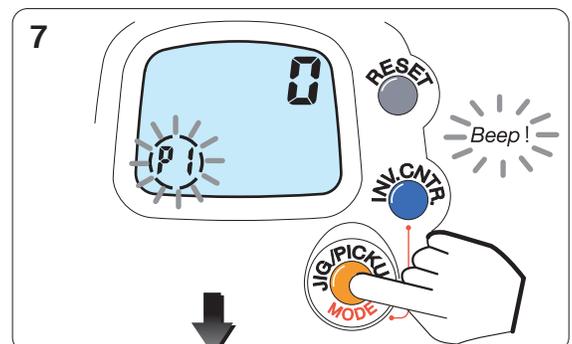
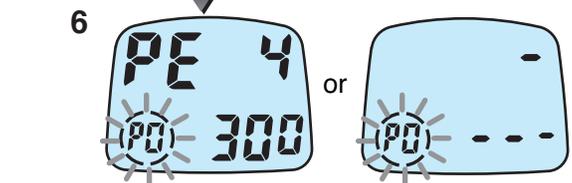
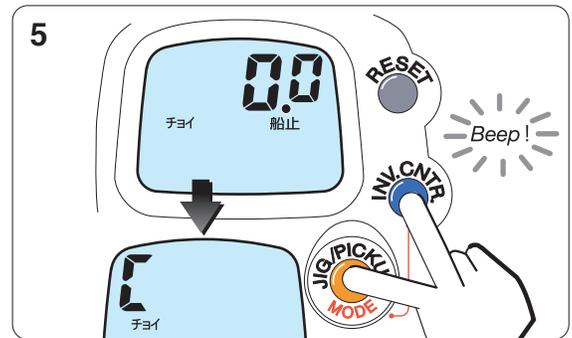
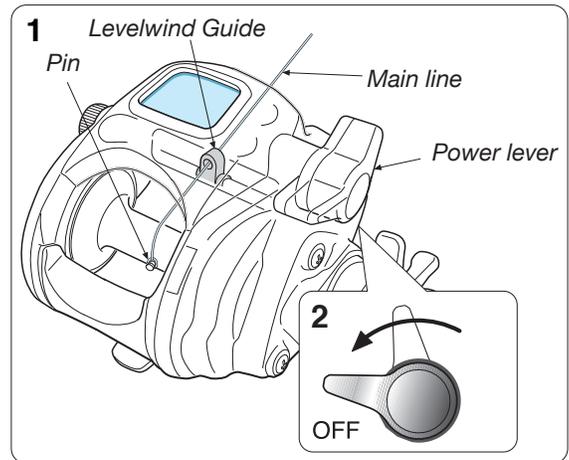
The SEABORG 300FB has data PE4-300m for the above Daiwa braided lines stored in the reel's memory. Therefore, when winding these lines, there is no need for additional data input.

Line data input (When line length is known)

P1 Inputting the line length

This method is used when the line length is known before winding. In the example below, PE4-250m 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 **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 6 seconds, until the display shows **P0** on left area of the display.
6. The default setting display will appear. **P0** will be blinking.
7. Press **JIG/PICKUP BUTTON** once to move to the line length input mode. **P1** will be blinking.
8. Push the power lever forward to maximum and wind line to its end. As the power lever is moved forward, the **P1** 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.



Attention

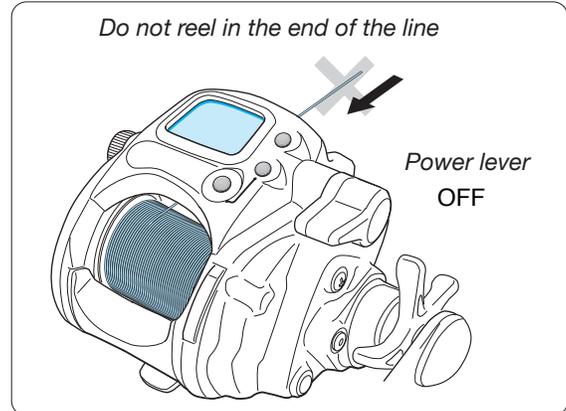
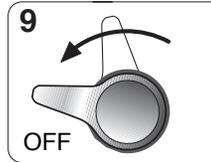
If the line is wound indoors at a low speed and with a high tension for a long period of time (*1), the motor will be overheated, which may cause motor failure. Tilt the power lever to the MAX position before inputting a value. This issue does not need to be considered during fishing because the motor will be cooled by sea water.

(*1) If the line is wound continuously for 10 minutes, the motor overheat prevention function will start to work, which will stop the motor. In this case, the display will start to blink and any operation will become unavailable for 5 minutes. When the countdown display on the chumming timer indicator area reaches "4→3→2→1→0" (min.), a beep will sound and data inputting will become available again from the state immediately before the motor stoppage.

Line data input (When line length is known)

P1 Inputting the line length

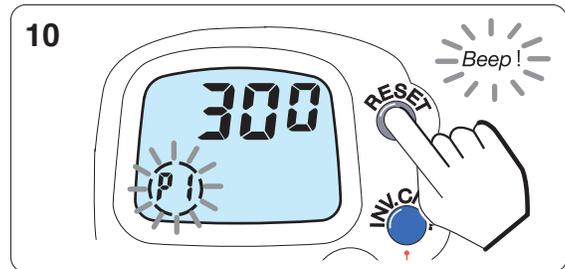
9. Pull the lever back to the OFF position, after winding.



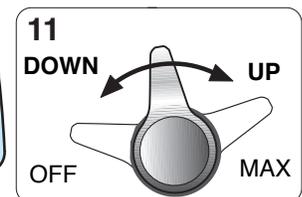
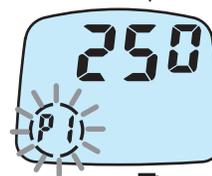
Attention

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)

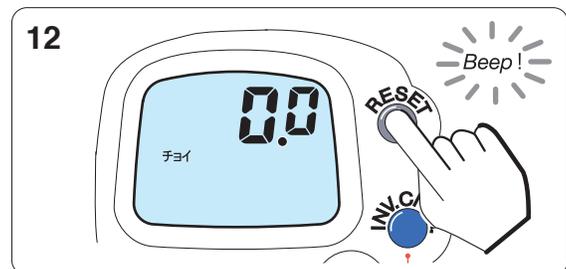


11. Move the power lever to adjust line length reading (in the figure on right, length is adjusted to 250m).



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

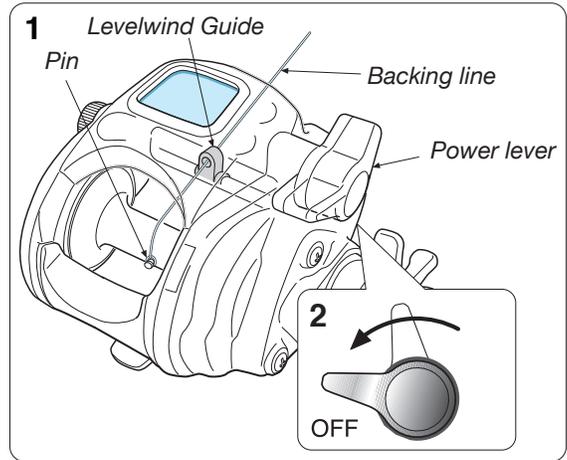
If "Err" appears on the display, go back to STEP 5 and re-enter the data again.



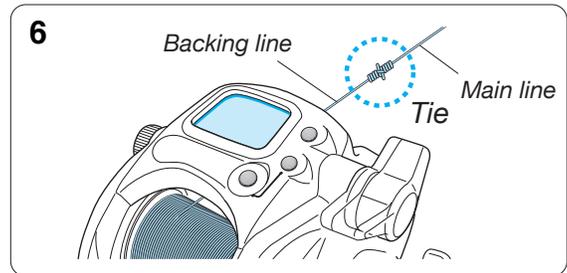
Line data input (With backing line)

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 line to its end with the power lever at maximum.



6. Tie the backing line securely to the main line.

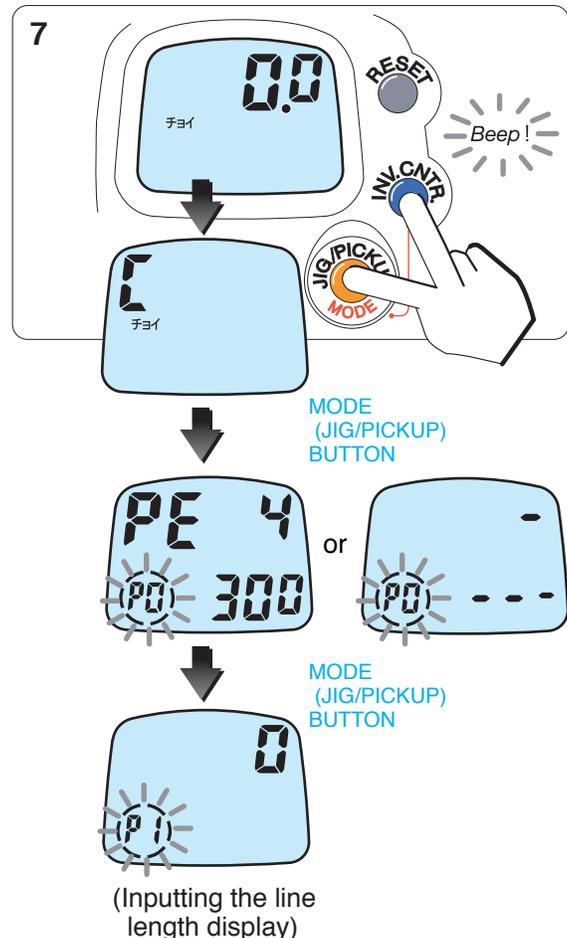


7. While "0.0" is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 6 seconds, until the display shows **P0** on left area of the display.

The display will change to the pickup mode 2 seconds after the buttons are pressed, but keep pressing the buttons, and the display will change to the line setting mode.

P0 will be blinking.

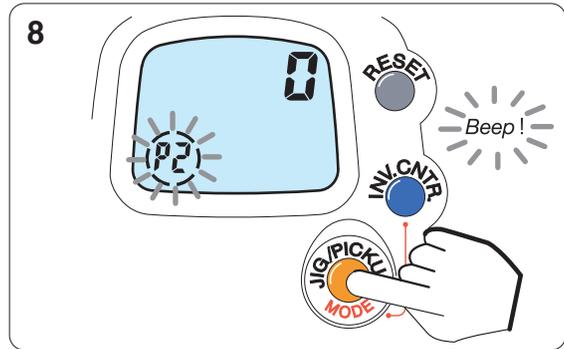
Then, press the **MODE (JIG/PICKUP) BUTTON** so that **P1** starts blinking.



Line data input (With backing line)

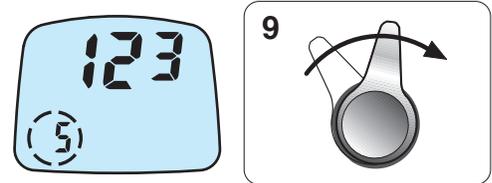
8. When the line length input screen appears, press the **MODE (JIG/PICKUP) BUTTON** again to let the back line 1 input screen appear.

P2 will be blinking.



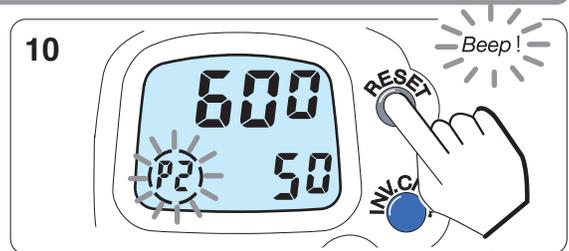
9. Wind on another 100 m of line, keeping line tension at the suggested level.

With the power lever moved forward, P2 changes into a tension indicator. Keep line tension between 5 and 7 while winding.



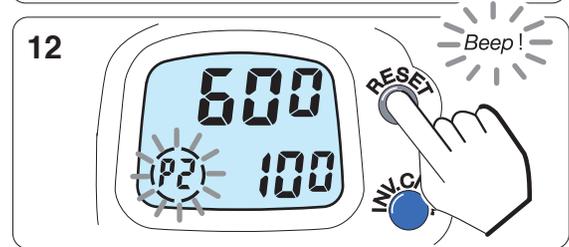
If the line is wound indoors at a low speed and with a high tension for a long period of time (*1), the motor will be overheated, which may cause motor failure. Tilt the power lever to the MAX position before inputting a value. This issue does not need to be considered during fishing because the motor will be cooled by sea water.
 (*1) If the line is wound continuously for 10 minutes, the motor overheat prevention function will start to work, which will stop the motor. In this case, the display will start to blink and any operation will become unavailable for 5 minutes. When the countdown display on the chumming timer indicator area reaches "4→3→2→1→0" (min.), a beep will sound and data inputting will become available again from the state immediately before the motor stoppage.

10. Press **RESET BUTTON** for 2 seconds. P2 blinks and the counter in the lower area shows 50. The upper counter digits increase as line is wound.



11. Wind the remaining 50m, keeping line tension at the suggested level. Do not wind line all the way onto the spool.

12. Press **RESET BUTTON** for 2 seconds. The lower counter shows 100.

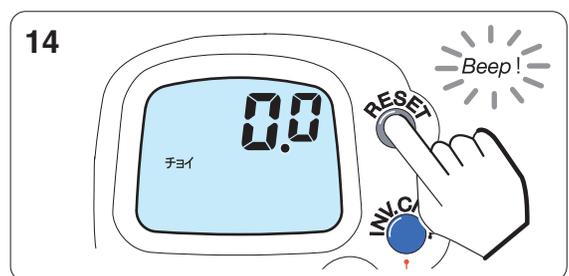


13. Wind the remaining 50m, keeping line tension at the suggested level. Do not wind line all the way onto the spool.



1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF, and wind manually when nearing the end of the line.
 2. Braided lines less than 10 lb. test can not be inputted.

14. Press **RESET BUTTON** for 2 seconds and 0.0 will appear. This is the end of the procedure.



If "Err" appears in the display, go back to STEP 7 and re-enter the data again.

Line data input (Inputting the drawer)

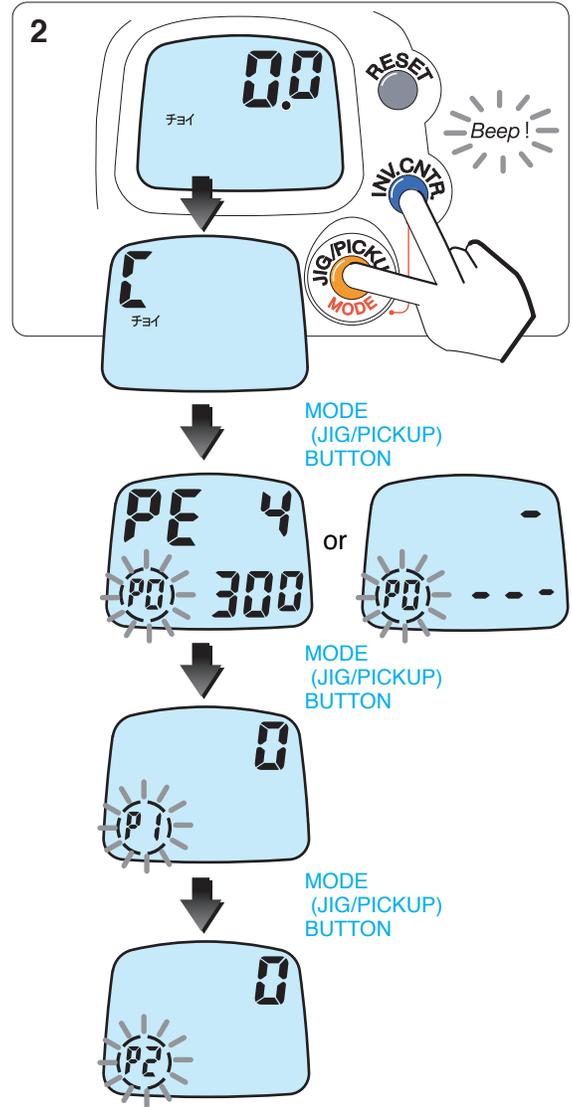
This method is applied to data re-input which is to be made after the main line is wound up. This method requires a main line of 100m or longer specific length.

1. Turn on the electricity.

2. While “0.0” is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 6 seconds, until the display shows **P0** on left area of the display.

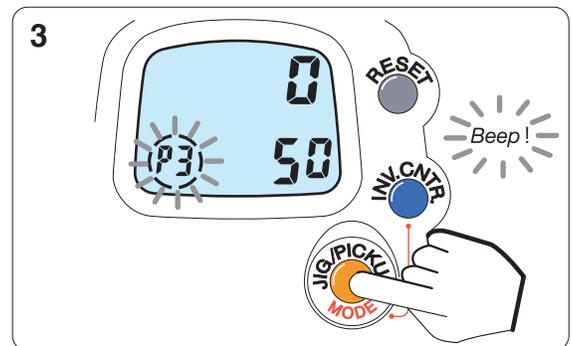
The display will change to the pickup mode 2 seconds after the buttons are pressed, but keep pressing the buttons, and the display will change to the line setting mode.

P0 will be blinking.



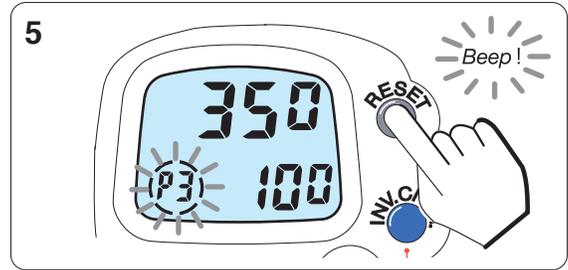
3. Press the **MODE (JIG/PICKUP) BUTTON** and set the mode to backing line 2. **P3** will be blinking.

4. Paying attention to the line’s color coding, pull 50m of line off of the spool.



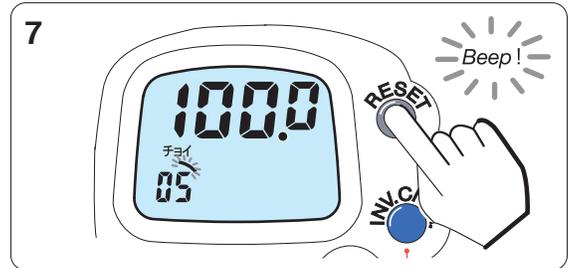
Line data input (Inputting the drawer)

5. Press the **RESET BUTTON** for 2 seconds.
This will show the digits **100** in the lower area of the counter.



6. Pull an additional 50m of line from the spool.

7. Press the **RESET BUTTON** for 2 seconds to show **100.0** on the upper counter.



8. Wind up the 100m of line you pulled from the reel. This completes the procedure.



Attention

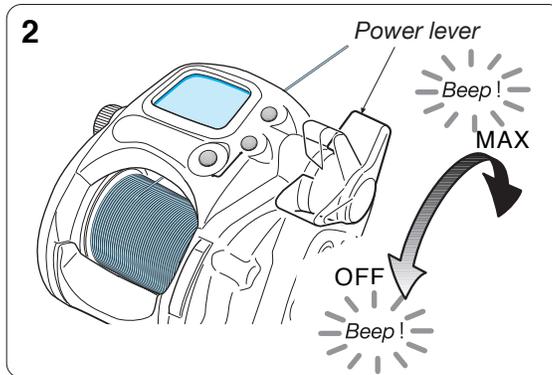
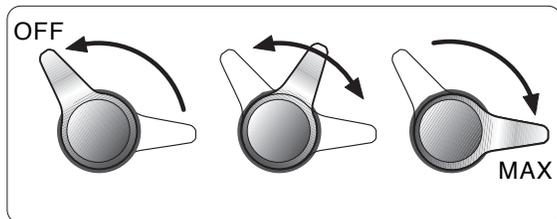
1. Do not wind the end of the line onto the spool because it causes incorrect length calculation. Move the power lever to OFF, and wind manually when nearing the end of the line.
2. Braided lines less than 10 lb. test can not be inputted.

If “Err” appears in the display, go back to STEP 2 and re-enter the data again.

Functional setting operation (1. Mode setting display)

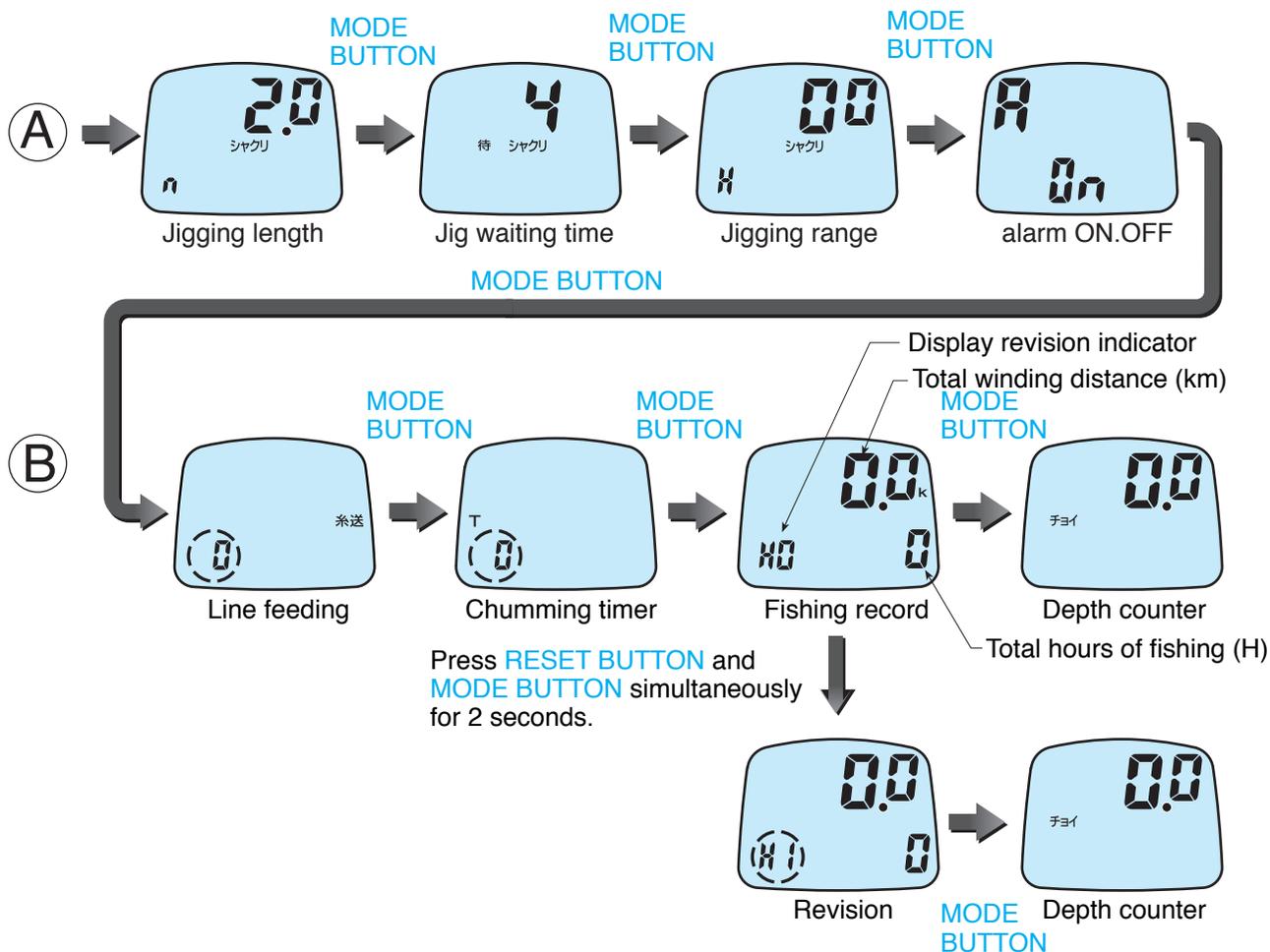
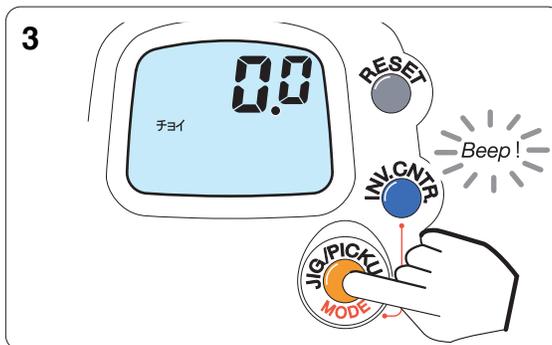
2. Use the power lever to set numerical values.

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.

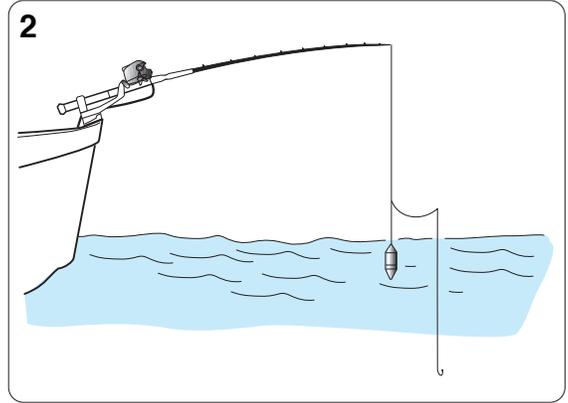


Functional setting operation (2. Before you begin fishing.)

Surface depth setting

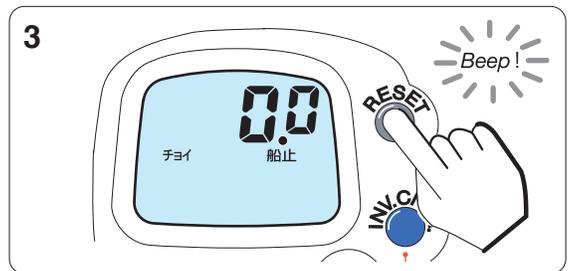
Before you begin fishing, make sure the counter is set to zero at the water's surface. This is extremely important to ensure accurate fishing depth readings.

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 and 船止 lights up.



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. If the display shows 0.0 then your re-adjustment is complete and data has been revised.
- Do not continuously hold down the reset button. This will prevent any counter errors.

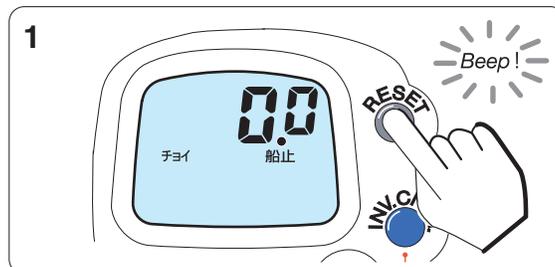
Functional setting operation (3. Auto stop function)

Auto stop setting

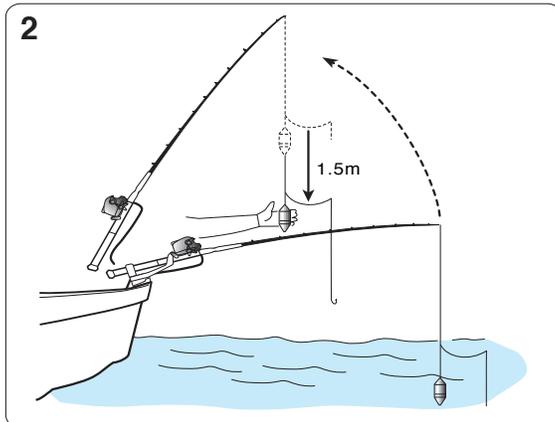
The Auto stop depth may be set to meet your own specific needs.

- 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**.



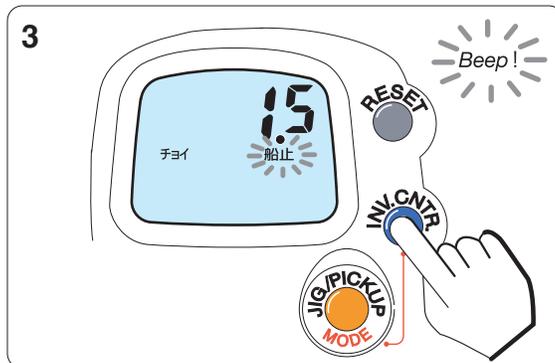
2. Raise the rod and adjust the line length from the rod tip so you can reach the rig easily. In the figure, its length is 1.5 m.



Checking and changing sinkers, baits etc.

Use

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

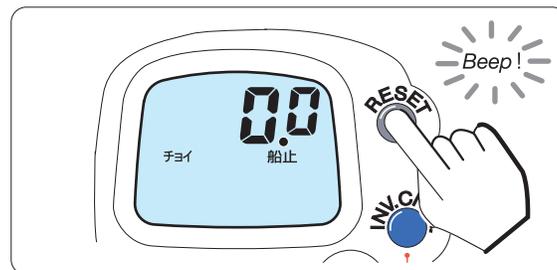
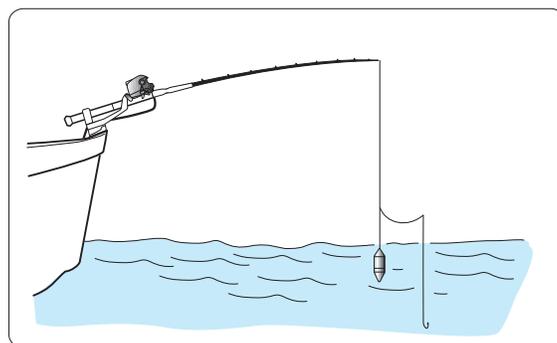


Functional setting operation (3. Auto stop function)

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, 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.
- Fishing line load may vary when working depths of 100m or more. This may cause the stop position to change, which may result in serious rod damage. Allow for greater margin when setting the AUTO STOP position when fishing deeper depths.



Set the depth to 0 and throw in your rig.

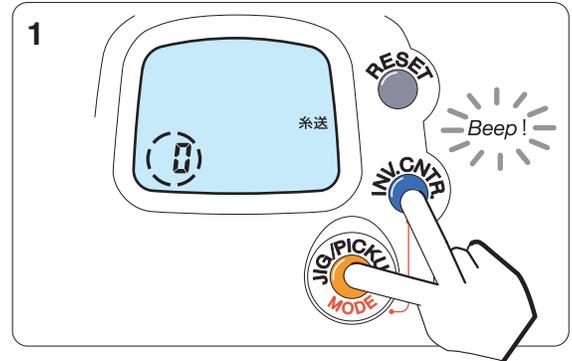
Functional setting operation (4. Line feeding function)

Line feeding function

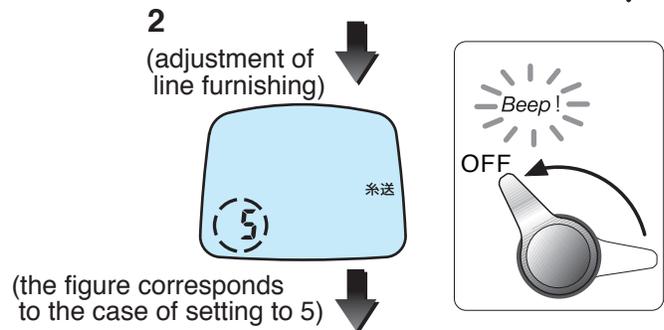
The line feeding function lets our line with the motor assisting the spool.

1. Simultaneously hold down the **INVERSE COUNTER BUTTON** and the **MODE (JIG/PICKUP) BUTTON** to display the setting mode. Then, press the **MODE (JIG/PICKUP) BUTTON** to display the "line feeding output adjustment" mode.

Default setting is zero (OFF).

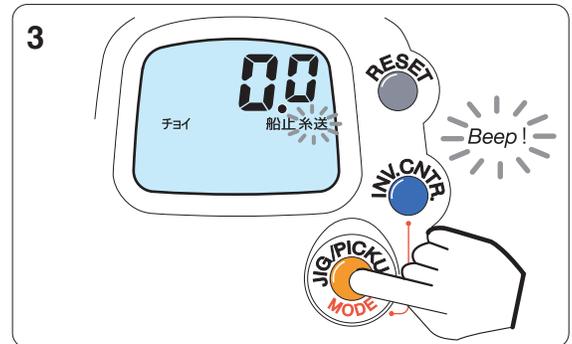


2. Set the speed level with the power lever.



3. Press the **MODE BUTTON** to show 0.0 (depth counter) to complete.

The 糸送 will blink.



- The line feeding mechanism begins to work at a depth of 2.5 m below the pre-set auto stop depth.
- 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.
- Once the line feeding stops due to backlash or other reasons, the feeding will not start again.



If the clutch is set ON during line feeding (the motor in operation), excessive line is wound in.

1. The rig may be too light or the line feeding output was set too high causing the line to overrun.
2. Reduce line feeding output and setting the line feeding to the OFF position.

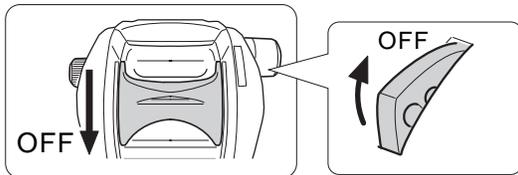
Functional setting operation (5. Inverse counter)

Inverse counter

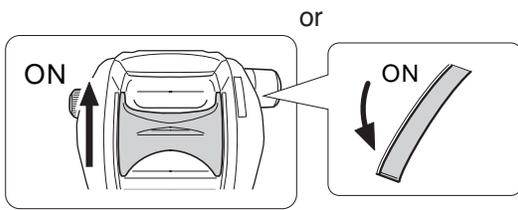
Two counters are better than one. This reel has counters from both the surface and from the bottom.

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



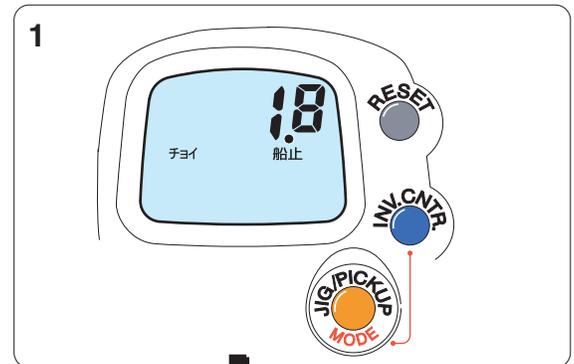
2. At the bottom, move the clutch to ON by turning the reel handle or flipping the clutch lever.



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.

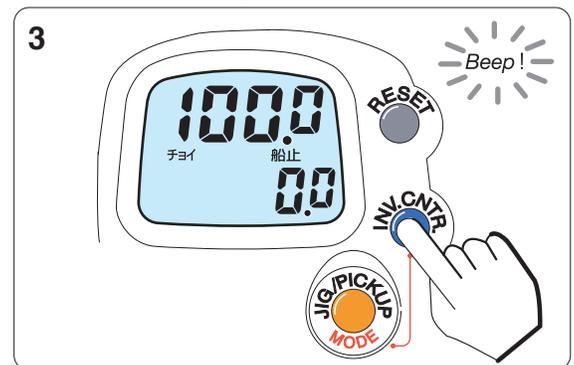
Once the **INVERSE COUNTER BUTTON** is pressed, the inverse counter can not be turned off.



The rig reaches the sea bed.



Wind up the slack line.



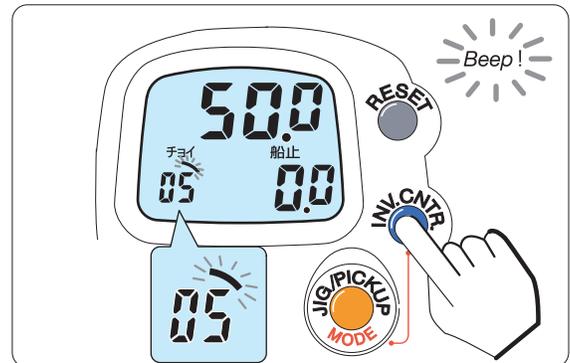
Functional setting operation (6. Chumming timer)

Chumming timer

This function provides a useful timer.

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

The timer function cannot be cancelled.



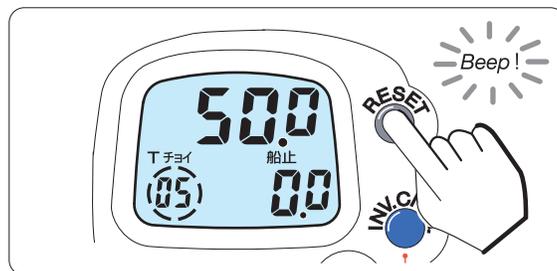
Pressing the **INVERSE COUNTER BUTTON** while the timer is in operation re-starts the timer from **0.0**.

Functional setting operation (7. Chumming timer winding)

Chumming timer winding

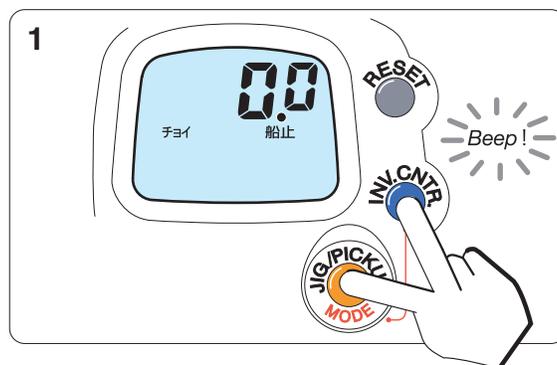
The chumming timer helps ensure you check baits at even intervals, a real help when dropping multiple lines.

- After pre-set 5 minutes have passed, the reel automatically winds up.
- When the timer is set, the timer indicator **T** 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**.



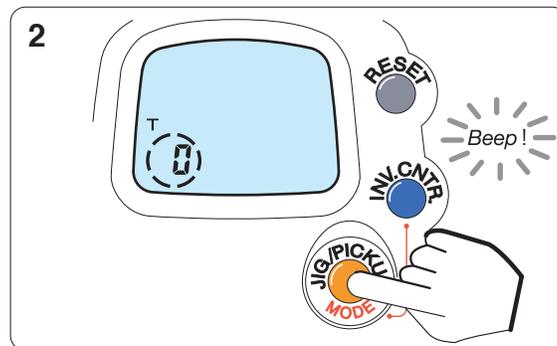
1. While "0.0" is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 2 seconds, until the display shows **C** on left area of the display.

This displays JIG/PICKUP display.



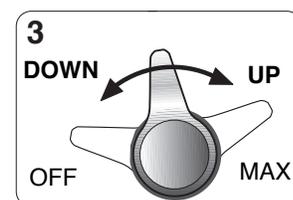
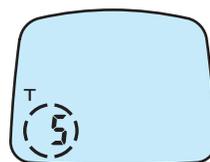
2. Press **MODE BUTTON (JIG/PICKUP BUTTON)** until you come to the timer setting display.

T will be blinking.



3. Use the power lever to set the number of minutes. Pushing the lever forward increases the minutes, and pulling the lever back decreases the minutes.

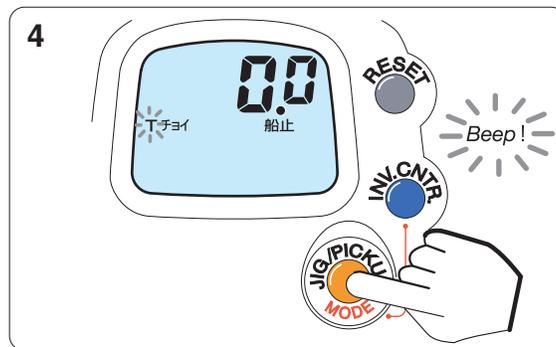
(shown is the timer set to 5 minutes.)



Functional setting operation (7. Chumming timer winding)

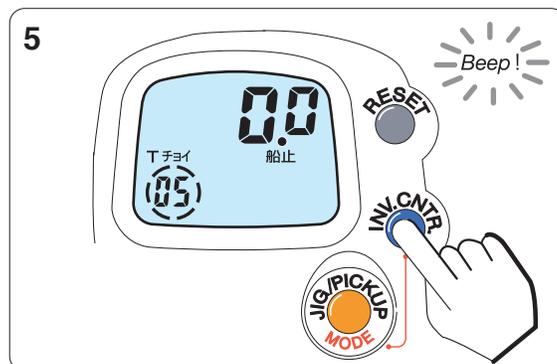
4. Press **MODE BUTTON (JIG/PICKUP BUTTON)**. When the display goes back to depth counter, then the procedure is completed.

T will be lighting.



5. The time set can be checked by pressing the **INVERSE COUNTER BUTTON**.

If the **INVERSE COUNTER BUTTON** and the chumming timer are simultaneously in use, auto winding is possible within the period of time set, for the range of ± 20 m for which the **INVERSE COUNTER BUTTON** is pressed. For the range beyond ± 20 m, press the **INVERSE COUNTER BUTTON** once. When winding using chumming timer is set, "**T**" will light up. To cancel the winding, change the setting to 0 so that "**T**" will light out.



- 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.



Functional setting operation (8. Jigging)

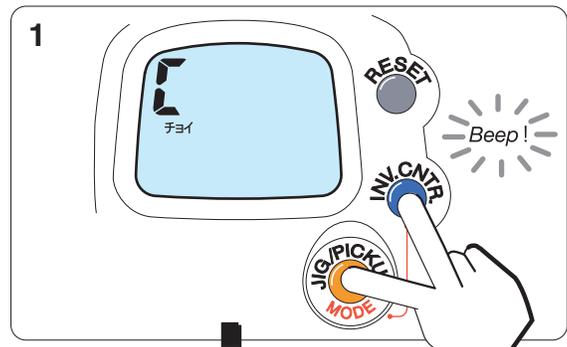
Jigging

Jigging is an extremely valuable function.

1. While "0.0" is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 2 seconds, until the display shows **C** on left area of the display.

This displays JIG/PICKUP display.

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



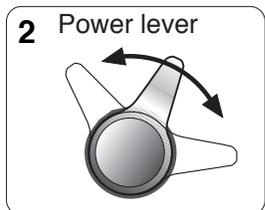
Pickup / jigging

2. Jigging pattern is selected with the power lever.

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



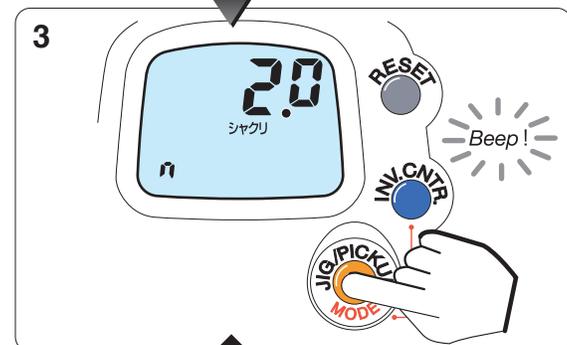
Jigging pattern



2 Power lever

MODE BUTTON

3. Press **MODE BUTTON (JIG/PICKUP BUTTON)** to show the next display. Pressing it also locks in the previous setting.

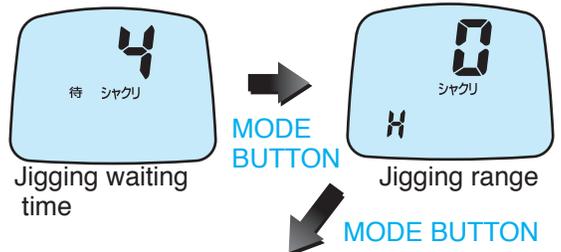


Jigging length

MODE BUTTON

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

By pressing the **MODE BUTTON (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.



Jigging waiting time

Jigging range

MODE BUTTON

5. After pressing the **MODE BUTTON (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 **MODE BUTTON (JIG/PICKUP BUTTON)** again stops jigging.



Functional setting operation (9. Jigging master)

Jigging master

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

- Pressing the **JIG/PICKUP 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 17.



1. Jigging pattern

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

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



(Preference setting)



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

The setting cannot be changed for 0.4 seconds during jigging.

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 (9. Jigging master)

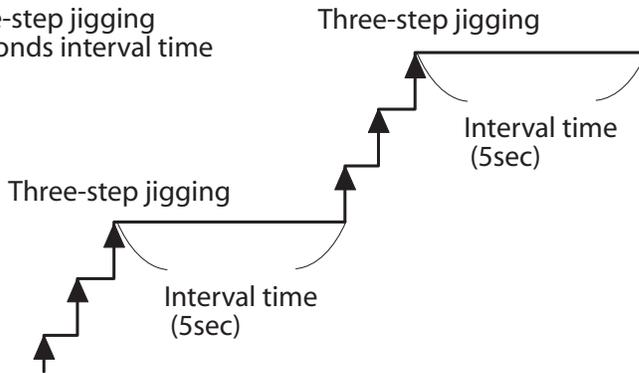
3. Waiting time

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)

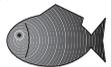


If jigging time is longer than the chumming timer setting, then the chumming timer setting takes priority and will wind up the line.



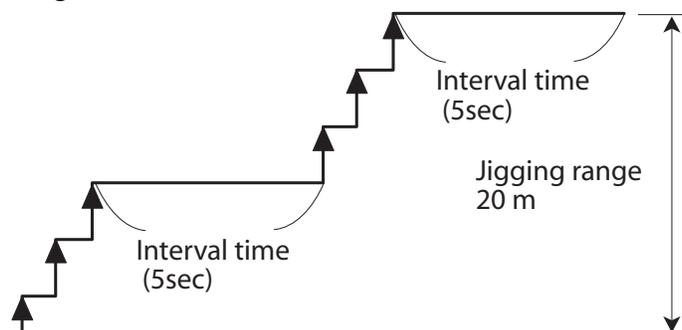
4. Jigging range

The depth range for jigging is set in 1 m increments. If the range is set to zero, then jigging continues right up to the auto stop depth.



Example

Range is 20 m.



(Preference setting)

Functional setting operation (10. Display revision)

Display revision

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



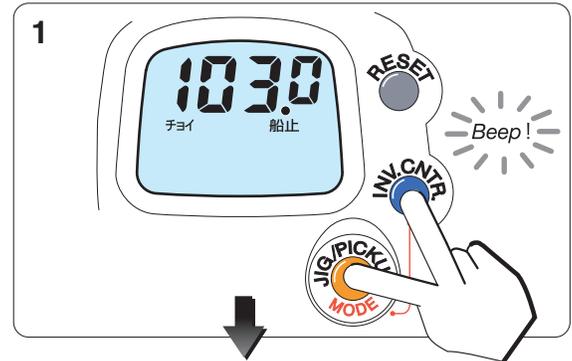
The counter setting can be changed while fishing.

Use

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

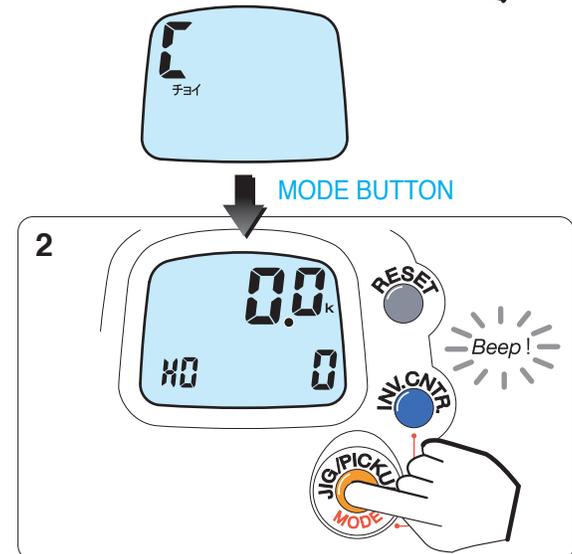
1. While "0.0" is shown in the display, press **INVERSE COUNTER BUTTON** and **JIG/PICKUP BUTTON** simultaneously and hold for 2 seconds, until the display shows **C** on left area of the display.

This displays JIG/PICKUP display.



2. Press **MODE BUTTON (JIG/PICKUP BUTTON)** to show on the display real fishing time and total winding length.

The figure (0 hour, 0.0km) indicates the amount of use.



3. Press **MODE BUTTON (JIG/PICKUP BUTTON)** and **RESET BUTTON** at the same time for 2 seconds. This displays revision display.

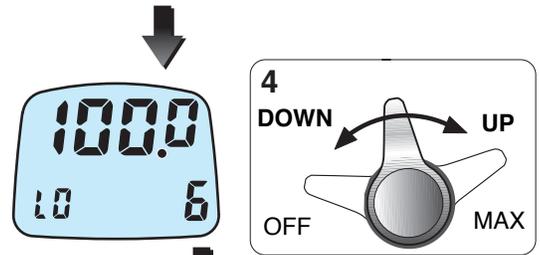


Revision

Functional setting operation (10. Display revision)

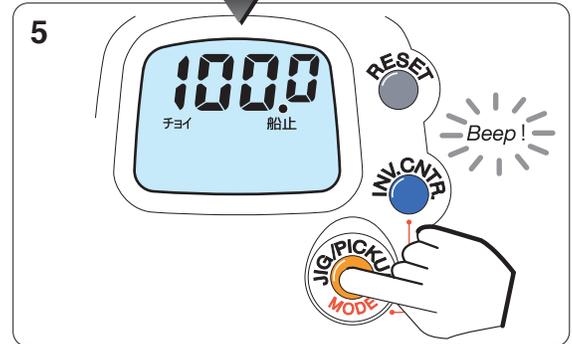
4. Move the power lever to change the display's reading to 100.0.
(Occasionally, for the revision rate, the exact number cannot be attained.)

Setting exactly to 100.0 may be difficult. If so, set the display as close as possible.



5. After 100.0 is reached, then press the **MODE BUTTON (JIG/PICKUP BUTTON)** to return to depth display.
On the revised display, pressing the **RESET BUTTON** will change the reading back to the unrevised value.

The **INVERSE COUNTER** indicator will turn off once the revision has been made.



Functional setting operation (11. 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.



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. (The reading change can be set to OFF in the mode setting.)

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.

ON/OFF selection of alarm

The alarm indication (beep) can be turned off in the Mode setting.

-The default setting is ON.

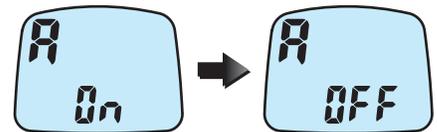
-When the alarm is OFF, the alarm will not sound even when the button is pressed or the power lever is tilted.

-Open the Mode setting and display the alarm ON/OFF mode.

Set the alarm to OFF with the power lever.

-Pressing the **MODE BUTTON** brings back to the water depth mode, by which the setting is completed.

-The alarm sound for button operation and power lever ON/OFF setting can be set to OFF.

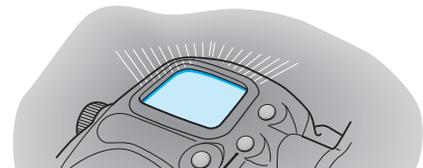


Display light

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

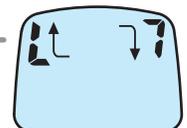
Backlighting of the display provides easy reading for early morning or night fishing.

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



Notification message of belt replacement timing

-When recommended belt replacement timing draws near, an alarm sounds and a notification message shown with the figure appears when the reel power is turned on. If you see this mark, please request maintenance through your sales agent. (with charge)



Reel Specifications

Reel Specification list

Product name	SEABORG 300FB	
Product code	40801241	
Gear ratio(manual winding)	4.8 : 1	
Weight (g)/(oz)	530 g / 18.7 oz	
Max Drag power (kg)/(lb)	8kg/17lb	
Line Capacity (m)	DAIWA BRAIDED	BRAIDED
	PE3(40lb)-400m(450yds)	30lb-400m(450yds)
	PE4(55lb)-300m(330yds)	40lb-300m(330yds)
	PE5(70lb)-230m(250yds)	50lb-230m(250yds)
Number of Ball bearings	18	
Rollar bearings	2	
Range of acceptable voltage	DC 12 V – 16.8 V	
Max winding speed (no load) (2)	170 m / min	
Normal max winding speed (1.0kg load) (3)	Approximately 150 m / min	
Instant max winding power (4)	20 kgf	
Electric current (Amps)	No load	3A
	stall	9A
	Max	15A
Speed shifting	No load	0 – 170 m / min (continuous shifting)
Best battery size	Light use-Super Lithium BM2000, Heavy use-Super Lithium 8000	

(1): Designed for braided lines (mono not recommended).

(2): Power voltage 12 V, maximum speed of winding at spool fully wound.

(3): Normal max winding speed = 1.0kg load, the average speed of 100 m winding.

(4): Instant max winding power = power voltage 12 V, smallest radius of spool.

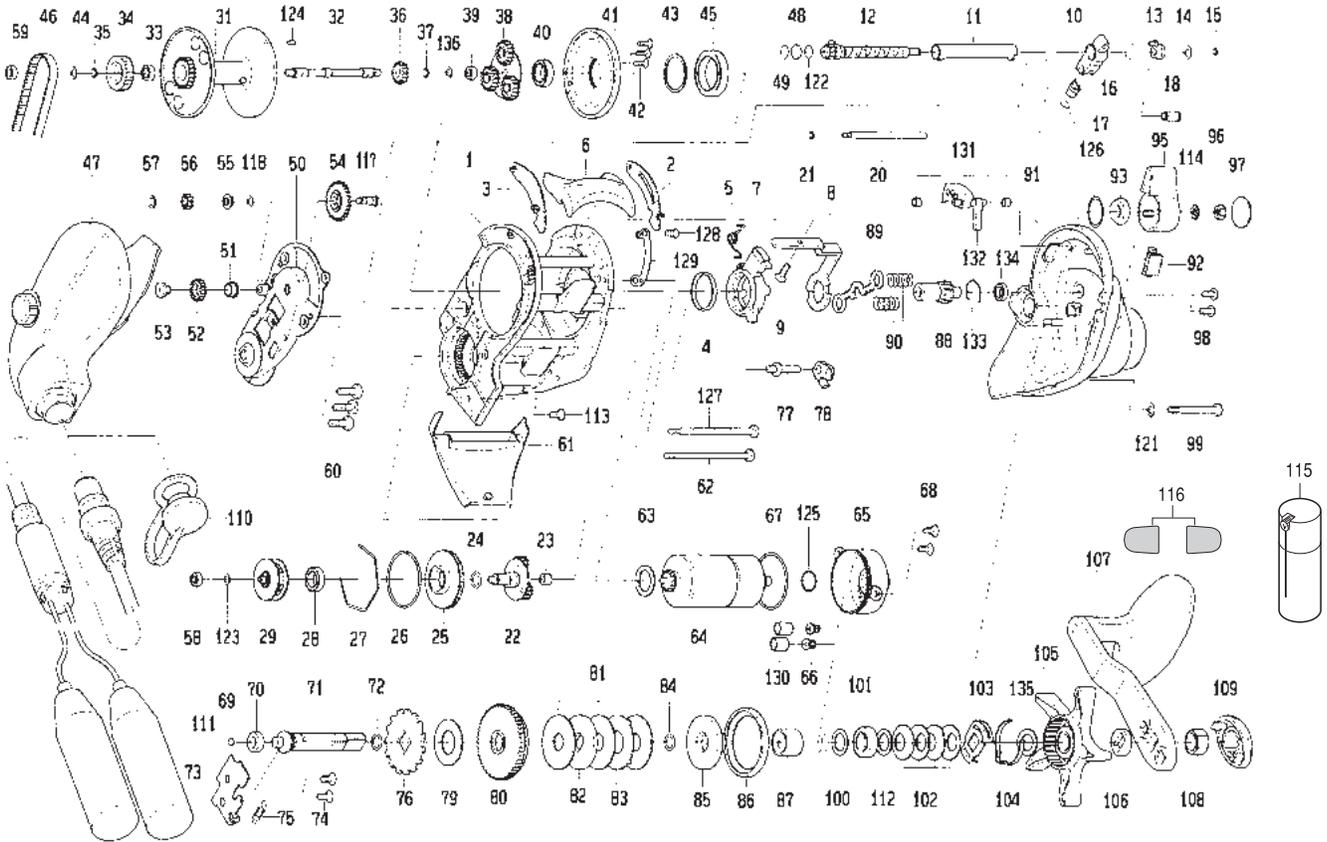
Counter display

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 300FB



SEABORG 300FB

No.	Parts No.	Parts Name	No.	Parts No.	Parts Name	No.	Parts No.	Parts Name
1	6G696201	FRAME	48	6F853501	MECHANICAL BRAKE WASHER(A)	93	63424001	POWER LEVER NUT
2	6F823603	SPACER(R)	49	63749102	MECHANICAL BRAKE WASHER(B)	95	6G673001	POWER LEVER
3	6F823703	SPACER(L)	50	6G503501	SET PLATE	96	6B962701	POWER LEVER NUT COVER
4	6G202701	CLUTCH CAM BUSHING	51	6F853801	IDLE GEAR(A) COLLAR	97	6F626201	POWER LEVER COVER
5	6G526801	CLUTCH CAM SPRING	52	6G503601	IDLE GEAR(A)	98	6B679310	R/S PLATE SCREW(A)
6	6F824404	CLUTCH LEVER	53	6F252402	IDLE GEAR(A) SCREW	99	6G502001	R/S PLATE SCREW(B)
7	6G696301	CLUTCH CAM	54	6G592601	IDLE GEAR(C)	100	6F366802	HANDLE BALL BEARING WASHER(A)
8	6G535201	CLUTCH CAM PLATE	55	6G593401	IDLE GEAR(B) COLLAR	101	6F055502	HANDLE BALL BEARING
9	6F211103	CLUTCH LEVER SCREW	56	6G272301	IDLE GEAR(B)	102	6F673601	DRAG SPRING WASHER
10	6G502601	LEVELWIND	57	6B864101	IDLE GEAR(B) RETAINER	103	6F862901	DRAG HOLDER
11	6G502801	WORM SHIELD	58	6G281605	MOTOR GEAR(B) BALL BEARING	104	6B747702	DRAG HOLDER LEAF SPRING
12	6G521301	WORM SHAFT	59	6G281605	SPOOL SHAFT BALL BEARING	105	6F863007	STAR DRAG
13	6F859101	WORM SHAFT BUSHING(R)	60	63510901	SPOOL PLATE SCREW	106	6F863202	HANDLE COLLAR
14	6F774603	WORM SHAFT WASHER	61	6G527701	FINGER GUARD	107	6G527501	HANDLE
15	6B864101	WORM SHAFT RETAINER	62	6G520701	FRAME SCREW(A)	108	6B862102	HANDLE NUT
16	6F859401	LEVELWIND PAWL	63	6G073001	MOTOR WASHER	109	6F471207	HANDLE CAP
17	6G099800	LEVELWIND WASHER	64	6G697201	MOTOR	110	6F661002	CONNECTOR CAP
18	6G625601	LEVELWIND BUSHING	65	6G501801	MOTOR HOLDER	111	6F598405	ELECTRIC POWER CORD
20	6G503301	LEVELWIND POST	66	6G173401	CORD SHIELD	112	63737813	HANDLE BALL BEARING WASHER(B)
21	6B864101	LEVELWIND POST RETAINER	67	6F274501	MOTOR HOLDER O RING(A)	113	6E134505	FRAME SCREW(B)
22	6G696401	MOTOR GEAR(A)	68	6E134508	MOTOR HOLDER SCREW	114	61608401	POWER LEVER WASHER
23	6G075601	MOTOR GEAR(A) BUSHING	69	6F647201	DRIVE SHAFT WASHER	115	6X148901	REEL GUARD OIL
24	6F657801	MOTOR GEAR O RING	70	6E351501	DRIVE SHAFT BUSHING	116	6G238201	REEL SHEET PROTECTOR
25	6G502501	MOTOR CASE PLATE	71	6G697401	DRIVE SHAFT	117	6G592701	SET PLATE GEAR PIN
26	6F274501	MOTOR CASE O RING	72	6F657801	DRAG O RING(A)	118	6E096500	IDLE GEAR(B) WASHER
27	6B543201	MOTOR CASE RING	73	6F824901	DRIVE SHAFT WASHER RET	121	6B536101	R/S PLATE SCREW(B) WASHER
28	6F016401	MOTOR CASE BALL BEARING	74	6F211102	DRIVE SHAFT RET SCREW	122	6F853602	MECHANICAL BRAKE WASHER(C)
29	6G520801	MOTOR GEAR(B)	75	6F962801	KICK LEVER SPRING	123	63754100	MOTOR GEAR(B) BALL BEARING WASHER
31	6G696801	SPOOL	76	6F826301	RATCHET	124	6G643501	SPOOL GEAR PIN
32	6G504401	SPOOL SHAFT	77	6F826201	ANTI-REVERSE PAWL HOLDER	125	6G659001	MOTOR HOLDER O RING(B)
33	6G469001	SPOOL BALL BEARING(CRBB)	78	6F938801	ANTI-REVERSE PAWL	126	6G703201	POWER LEVER O RING
34	6G521001	SPOOL SHAFT GEAR(A)	79	6F826702	DRIVE SHAFT WASHER	127	6G520702	FRAME SCREW(C)
35	6F550501	SPOOL GEAR RET(A)	80	6G697501	DRIVE GEAR	128	63508912	CLUTCH CAM HOLD PLATE SCREW
36	6G504501	SPOOL SHAFT GEAR(B)	81	6G502402	EARED WASHER	129	6G697101	CLUTCH CAM HOLD PLATE
37	6F550501	SPOOL GEAR RET(B)	82	6F796304	DRAG DISC WASHER	130	6G701701	MOTOR TUBE
38	6G504601	SPOOL GEAR(CRBB)	83	6F796104	DRAG LIP WASHER	131	6G711001	CLUTCH CAM LEVER BUSHING
39	6G281602	SPOOL GEAR BALL BEARING(CRBB)	84	6F657801	DRAG O RING(B)	132	6G711301	CLUTCH CAM LEVER
40	6G520502	SPOOL PLATE BALL BEARING(CRBB)	85	6G502901	DRAG COLLAR	133	6E219701	R/S BALL BEARING RING
41	6G505001	SPOOL PLATE	86	6G697601	DRAG COLLAR SHIELD	134	6G430901	R/S BALL BEARING(CRBB)
42	6G297002	SPOOL SHAFT SCREW	87	6G290901	DRIVE SHAFT COLLAR	135	63737810	STAR DRAG WASHER
43	6F766100	SPOOL SHAFT BUSHING WASHER	88	6G697701	PINION GEAR	136	63754100	SPOOL GEAR BALL BEARING WASHER
44	63754100	SPOOL SHAFT BUSHING WASHER	89	6F826101	YOKE	200	6Y455201	OWNER'S MANUAL
45	6G520601	SPOOL PLATE BALL BEARING(CRBB)	90	6E335301	YOKE SPRING			
46	6G521101	MOTOR GEAR BELT	91	6G698001	R/S PLATE			
47	6G923401	IC MODULE	92	6E286003	LINE HOLDER			

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  m.	It is a normal function to avoid over winding. Press RESET BUTTON to continue winding.	19
	Did not pull the lever to OFF position.	Pull the lever to OFF and then move forward again to start winding.	6
	Unstable power source	Use another power source, such as electric reel specific batteries.	2
Counter display does not appear.	Battery charge is low.	Recharge the battery.	2
	Cord worn or corroded	Replace the cord.	2
	Incorrect battery connection	Connect correctly.	2
The reel jigs on its own.	Low power voltage	Replace with a recharged battery.	2
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.	19
	Error for sinker weight or rocking of the boat	Adjust settings of auto stop function.	20,21
	Line is elongated.	Reset the depth counter at the surface.	19
There are counter errors.	While fishing the line was wound in without power source.	Re-enter line data.	11-16
	The RESET BUTTON was held down while the line was fed.	Re-enter line data.	11-16
If the clutch is set ON during line feeding, excessive line is wound in.	The rig may be too light or the line feeding output was set too high causing the line to overrun.	Reduce line feeding output and setting the line feeding to the OFF position.	22
Pickup does not respond.	Speed setting is at zero	Press MODE BUTTON to select winding speed setting.	17,18
Jigging function does not respond	Power lever is at OFF	Push the lever forward.	27-29

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.