ReelSchematic

SEABORG 300JL

Instruction Manual

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List of options for line data input

This reel can be configured and set-up using the following options.

P0 Config Input 16,17
TANA SENSOR BRIGHT is easily configured simply by inputting the data of the line wound on the reel.

P1 Line Input 18-20
This option allows you to set useful functions when you know the length of the fishing line to be wound on the reel.

P2 Backing line input 21-23
This option allows you to set functions to insert a backing line. Note that it is necessary that you know the line length and that it is greater than 100 m.

P3 Line re-input 24,25
This option allows you to re-enter the line data, pulling out the line after it has been completely wound up onto the reel. Note that it is necessary that you know the line length and that it is greater than 100 m.

Thank you for purchasing a SEABORG 300JL. Please read this operation manual carefully and use the product safely and correctly to take full advantage of this electric reel with many convenient features for your on-board fishing. Please keep this operation manual carefully together with your reel for your future reference.

Caution

This document contains important instructions for using your electric reel. Please be sure to read them thoroughly before use.

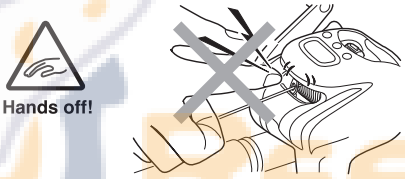
About the signs

	This sign means "prohibited actions." Within the area or near this sign, specific prohibited actions are described.
	This sign means "actions that require caution." Within the area or near this sign, specific actions that require caution are described.
	This sign means "mandatory actions." Within the area of this sign, specific mandatory actions are described.

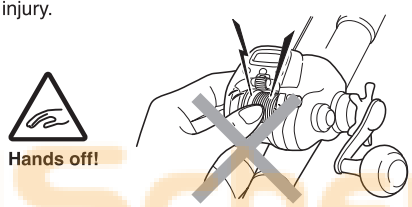
⚠ WARNING

The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

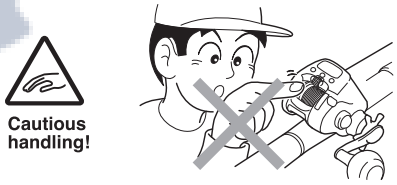
-Be careful not to catch your fingers between the reel and the level wind, which is used to wind line into the spool evenly. It may cause injury.



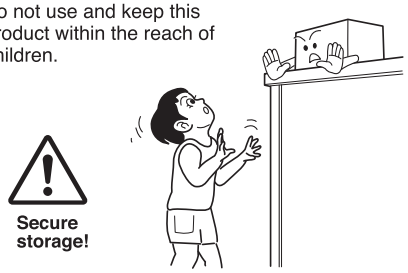
-When you turn on the clutch while feeding line (operated by the motor), it winds up the line. Be careful not to catch your fingers. It may cause injury.



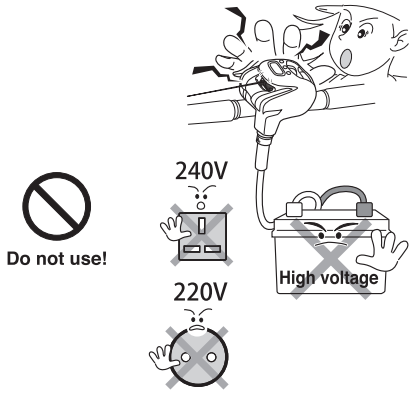
-Adults or parent's must supervise closely any use of this product by children. Use extreme caution to keep their fingers and hands away from moving parts or openings in the reel.



-Do not use and keep this product within the reach of children.



-When using batteries or the power supply of a boat, only apply the designated voltage. Other voltage may cause an abnormally high temperature in the electric reel, that could burn your hand or damage the microchip. Do not connect to house current or any AC (alternating current) power supply. The circuit may be short-circuited and result in smoke and fire.



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Caution

⚠ WARNING

The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

-The electric reel causes a small amount of electric waves that could cause malfunction of electronic medical devices such as hearing aids, cardiac pacemakers, etc. Those who have a cardiac pacemaker may feel palpitations and dizziness when using an electric reel, so confirm with the manufacturer of your medical device or the distributor regarding the influence of electric waves prior to use of this product.



-Do not fasten an electric reel with a harness onto your body.
You may risk your life if pulled into the seawater by a big fish or in other situations.



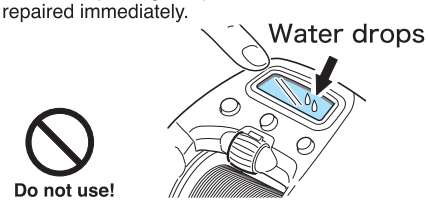
⚠ CAUTION

The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

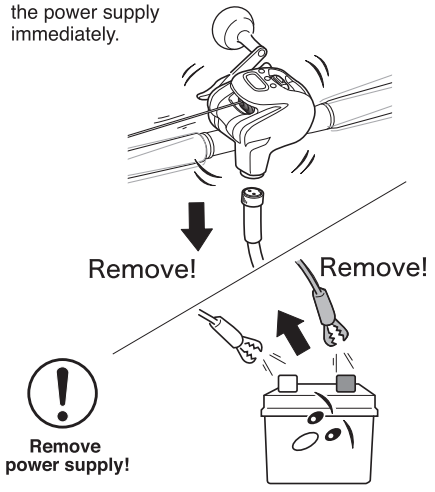
-Do not touch moving parts while in operation. It may cause injuries.



-Should water droplets get inside the liquid crystal, it could cause the microchip to malfunction and keep the motor turning. In such a case, stop using this product and have it repaired immediately.



-Should the motor fail to stop for some reason while fishing, use caution to prevent your fingers being caught in the reel. Disconnect the power supply immediately.



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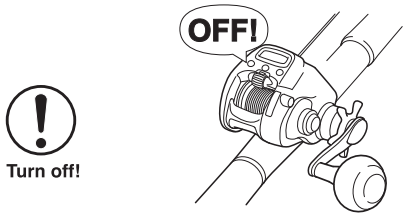
Caution

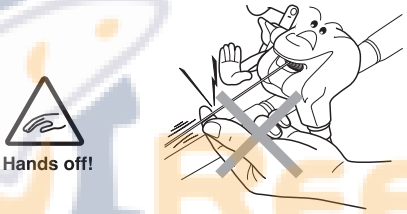
⚠CAUTION

The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

-Before adjusting drag tension, always turn off the automatic electric winding. You could cut your hand when pulling line to check tension.



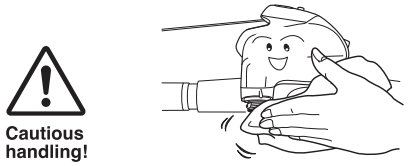
-Do not touch or grab the line when it is being released or wound rapidly. The line may cut your fingers.



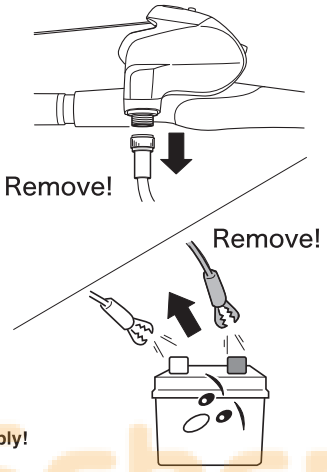
-When winding up line indoors, do so at high speed. If wound up at low speed and high tension, the motor may heat up abnormally and emit smoke. Power to wind up electronically may deteriorate.



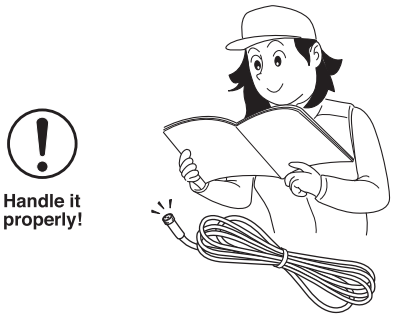
-Before reconnecting the power cable on the boat, thoroughly wipe away any moisture such as saltwater from the connecting parts with a dry cloth. If you connect it wet, it may short-circuit causing electric shock, smoke, or even fire.



-When not tending this product, turn the power off (Power Lever back) and remove the power supply to prevent it starting accidentally and causing injuries.



-A damaged cable may disrupt operation or short circuit and cause other problems depending upon the conditions of use. Be sure to follow the instructions stated in “Cable Handing Manual,” “Cable Maintenance Manual,” and “Other Instructions for Maintenance.”
When not using the cable, disconnect the power supply.
It is recommended you replace the cable with a new one every other year to maintain full performance of the reel.



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Caution

⚠ CAUTION

The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

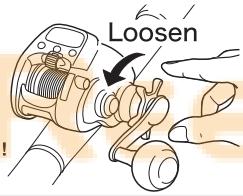
-When your hook is caught in the bottom, do not jerk the rod to free it. Pull the line with your hand and cut it if it fails to pull free. (Be sure to protect your hands with gloves or a towel.)
If you use thick leader and cannot cut it with hands, talk to the captain for a safe treatment.

Risk of injury!



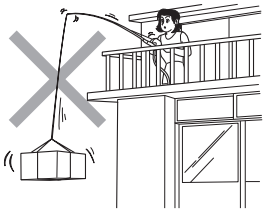
-Before connecting it to the power supply, be sure to loosen the drag well. If the IC breaks, and the motor does not stop, the terminal rig may be wound into the reel and the rod may break.

Required handling!



-Use the reel only for the purpose of fishing.

Never use it for other purpose!

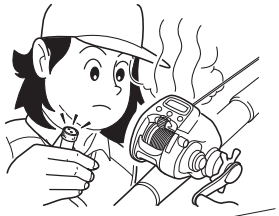


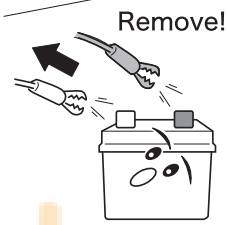
-Do not touch parts where the surface or top coatings (such as paint) are peeled off. It may cause injuries.

Hands off!



-In case you smell burning or you find other troubles, stop the motor and remove the power supply. It may cause heat or fire.





Remove power supply!

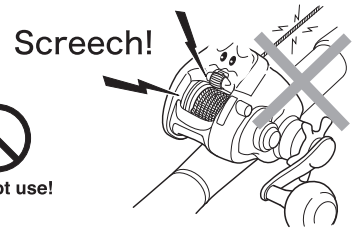
-Handle it cautiously as to not to stain your clothes with grease or oil from moving parts.

Cautious handling!



-Do not use wire line with your reel. It may cause corrosion or damage to the spool.

Do not use!



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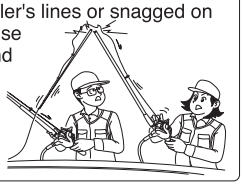
Caution

⚠CAUTION

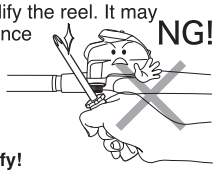
The following pertains to matters that could cause problems or serious, even life-threatening injuries should the instructions be ignored or incorrectly followed.

-Do not wind up with excessive force when line is tangled with other angler's lines or snagged on the bottom. It may cause damage to your rod and other components.



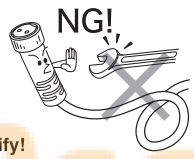
Handle with care!

-Do not dismantle or modify the reel. It may deteriorate the performance of the reel or cause other problems.



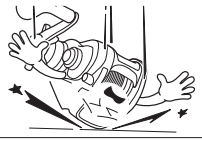
Do not modify!

-Do not modify the cable. It may cause a short-circuit or other problems and could result in smoke or fire.



Do not modify!

-Excessive shock, as from dropping, may cause malfunction with breakage or other damage to the internal electronic components such as cracks that allow water entry or short circuiting of circuit boards. Use care to avoid strong shocks and pressure (It may cause problems even though damage may not be visible.)



Handle with care!

-Reset the counter whenever it displays the wrong number, you have cut off line, disconnected the power supply or changed line tests. If you use the reel without resetting the counter, your terminal rig may be pulled into the reel and break the rod or other components. Forgetting to reset it with your terminal rig at the water surface may cause the same problem.



Required operation!

(MAGSEALED mounted model) INSTRUCTIONS FOR HANDLING

This document contains important instructions regarding special attention that may be required when using an electric reel. Please be sure to read them thoroughly before use.

■ MAG SEALED

MAG SEALED is a revolutionary mechanism designed to make a wall with magnetic fluid and keep water out. While maintaining smooth rotation, it sustains the initial rotation performance for a long time by keeping out water and foreign substances. The elimination of annoying salt adhesion can remove degraded rotation or noise created during long-term use, resulting in significantly improved durability.

■ MAG SEALED ball bearing

Our unique technology has turned the ball bearing itself to MAG SEALED. The wall of magnetic fluid prevents water or foreign substances from entering the inner ball bearing, which substantially eliminates noise and rust or salt adhesion on the ball bearing.

⚠Attention

-Never lubricate the MAG SEALED ball bearing to avoid the loss of the MAG SEALED function.
-Never disassemble the ball bearing to avoid the loss of the MAG SEALED function.

The excellent rustproof and dustproof performances of the MAG SEALED ball bearing are provided by the wall of magnetic fluid (MAG OIL) enclosed in the ball bearing.
-MAG OIL enclosed slightly greater in quantity could seep out of the ball bearing surface, but it will not affect performances.
(Do not wipe off the oil seeping out of the surface.)
-Never touch or wipe the MAG SEALED ball bearing with your finger, cloth or a cotton bud. Wiping off MAG OIL could impair the MAG SEALED function.

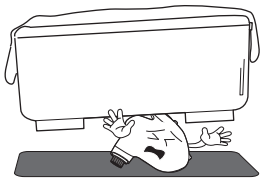
Caution

INSTRUCTIONS FOR HANDLING

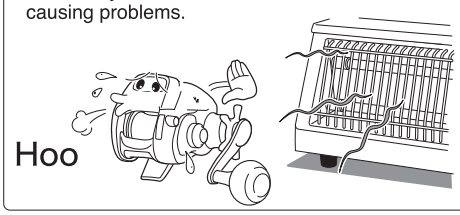
This document contains important instructions regarding special attention that may be required when using an electric reel. Please be sure to read them thoroughly before use.

⚠ATTENTION

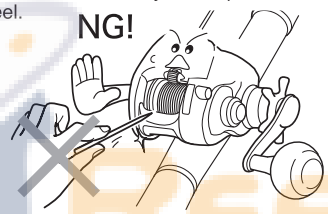
-Do not step on or place objects upon the reel. It may cause problems with the reel.



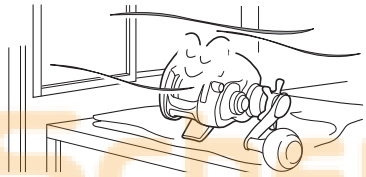
-Do not leave the reel near heating appliances. Resin may melt and deform or deteriorate causing problems.



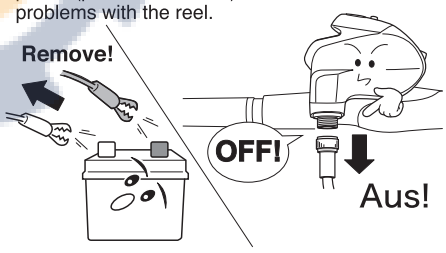
-Do not insert a stick or metallic object into the opening between the spool and the frame or other parts of the reel. It may cause problems with the reel.



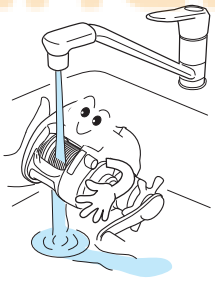
-When storing the reel for a long time, wipe down the moisture completely and preserve it in as well a ventilated place as possible without direct sunlight. Loosen the drag when storing it.



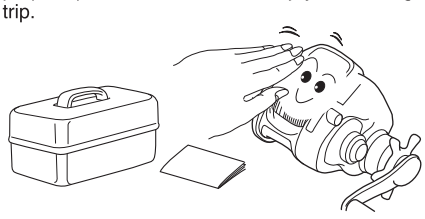
-Before removing the power supply, turn off the power (power lever back) as it could cause problems with the reel.



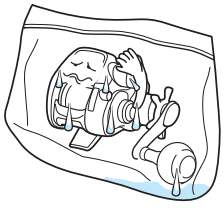
-When the reel is stored with the wet line with salt seawater, the spool may rust. Wash only the spinning part with tap water to rinse off seawater sufficiently, and then dry it in a well ventilated place without direct sunlight before storing it.



-Before going fishing, please check the reel for proper operation to ensure an enjoyable fishing trip.



-Do not store a wet reel in a plastic bag or a fishing bag because it may cause rust or malfunction.



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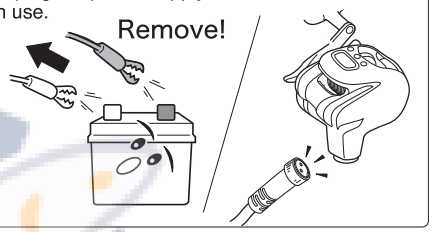
Caution

⚠ATTENTION

-Use neutral detergent (dish washing detergent) when washing the electric reel. Do not use chlorine, acidic, or alcohol type cleaners. It may deteriorate resin and cause problems with the reel.



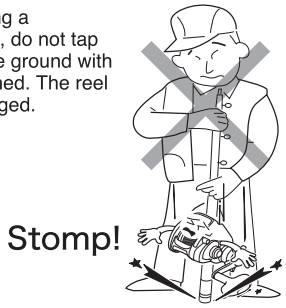
-Unplug the power supply and the cable when not in use.



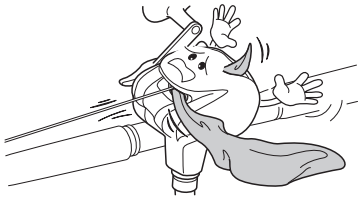
-Do not put a magnetic item such as magnet closer to the product. Otherwise, it malfunctions or causes failure.



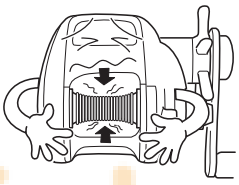
-When shrinking a telescopic rod, do not tap rod butt on the ground with the reel attached. The reel may be damaged.



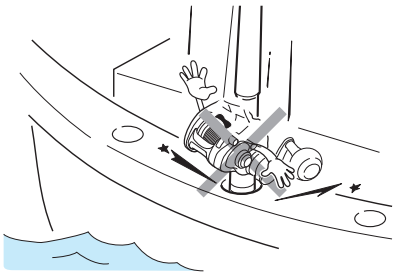
-Be cautious not to let cloth or other objects become caught in the reel when winding. Be careful not to have the line slackened by backlash or other cause caught into the reel.



-Do not store the reel with tightly-wound, damp line. During storage, the line may dry up and shrink, resulting in damage to the spool. Do not wind nylon or fluorocarbon line onto a model designated exclusively for PE line (braided line).



-When fixing the rod into a hole on the boat edge with the reel attached, verify that the reel does not touch the edge. When it touches, do not place it into the hole. The reel may be damaged.



◆About the counter display

The following conditions may make the display difficult to read.

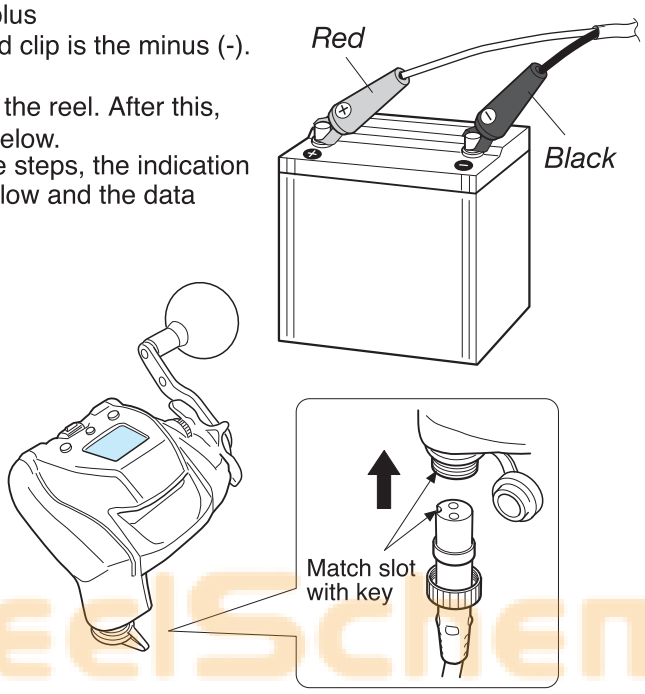
1. Wearing polarized glasses.
2. Excessively cold or hot weather, mid-winter (display's surface temperature is below –10 degrees centigrade) and mid-summer (display's surface temperature is above 60 degrees centigrade).
3. When light strikes the display from certain angles, the display's digits may have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

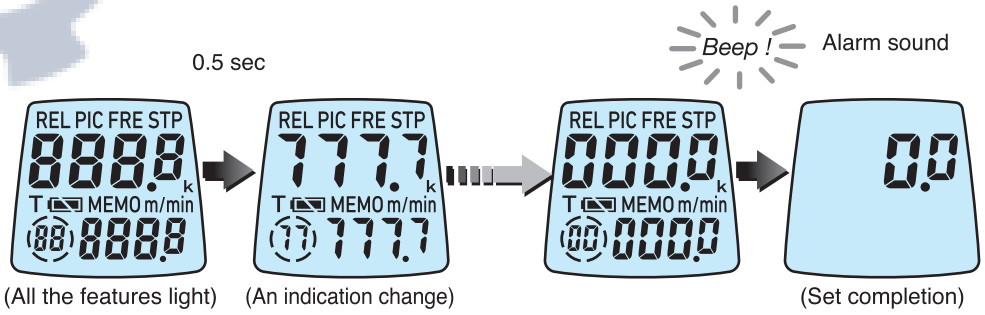
Power source

How to connect 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.





(All the features light) (An indication change) (Set completion)

Attention

When changing batteries, the display's back up 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.

ReelSchematic

Power source

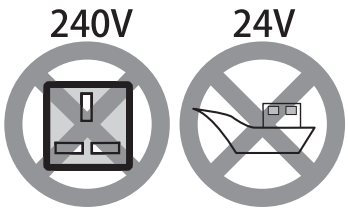
About the power source

This reel is designed to be compatible with direct current (DC) 12 Volt only. You may not use any power sources other than DC12V to power this reel (for example, AC100V from a household power supply and DC24V equipped on a boat).
The power source voltage on a boat tends to lose stability as it is largely influenced by a generator on board and wiring which may trigger the protective circuit causing sudden stop or intermittent operation of the reel. To maximize the reel performance, be sure to use the electric reel specific batteries.

Attention

Make sure of the following before departure.

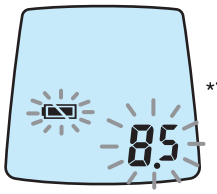
1. *Recharge the battery before your fishing trip. Over time, a battery can naturally discharge.*
2. *Confirm the boat can provide the proper power source (i.e. voltage, connector shape etc).*
3. *Corroded connections can prevent the flow of electric current. Remove any corrosion or dirt from the connectors.*



Battery level indicator

-When the power supply voltage declines to 10.0 V DC or lower, the power supply voltage display blinks on the inverse counter (the counter on the lower side) along with the battery check mark as shown in the figure. At 10 V or lower the winding power (speed) will be limited, not allowing maximum performance.
-If this indicator is blinking while the motor is not running, battery voltage may be low due to decreasing of the residual capacity of the battery. If it is blinking, replace the battery with a recharged one (If you use the on-board power supply, check the voltage and the terminal of your boat).

Battery level indicator



*This figure shows the voltage is 8.5 V.

*When the battery runs out and the counter display goes out, be sure not to operate your electric reel manually to wind the line and be sure to replace the battery with a recharged one before doing any operations (relating to fishing). Any manual operation in such condition may cause the water depth counter to go out of order, resulting in the tip of fishing rod being broken due to accidentally winding up all the line when you restart an electrical winding later with a replaced battery.

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.

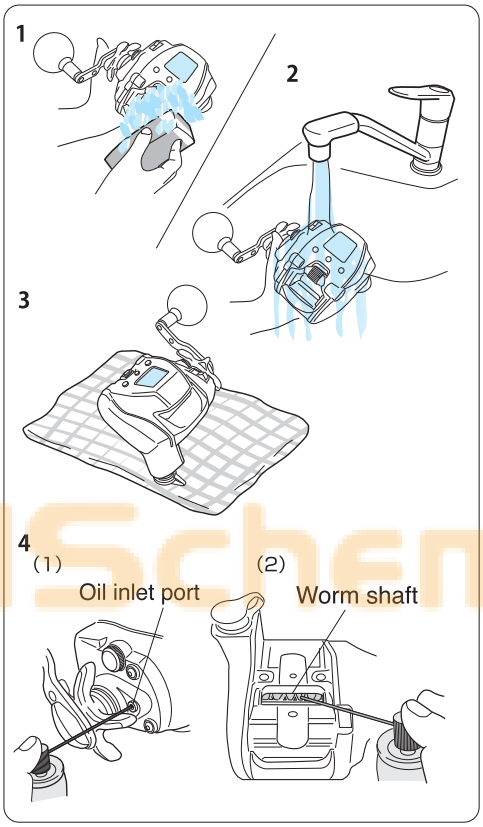
*Recommended quantity: 1.5 ml per liter of water. The solution may damage the outside coating of the reel and may breakdown the grease inside of the reel creating an overflow of grease.

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. Dry the reel well.
*Loosen the drag when stored.
*Be sure to remove water from inside the handle knob,
because water could build up there.

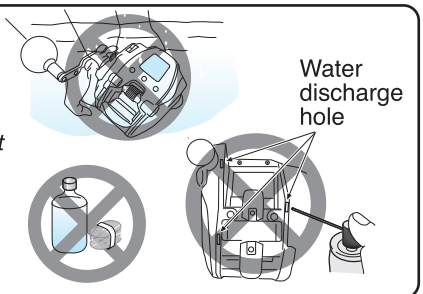
4. Feed oil.
(1) Apply a shot of lubrication oil through the lubrication oil inlet port on the side plate. Do not apply too much to avoid oil leaking out.
* Be sure to apply REV ball-bearing oil only. Do Not apply any other oils that will decrease the reel performance.
Get the specific spray from a fishing-tackle store.(product code: 04980059)

(2) Spray oil on the worm shaft.
*Recommended grease: Genuine reel guard grease
(product code: 04980020)
Get the specific spray from a fishing-tackle store.



⚠ Attention

1.Do not wash with seawater or soak in water.
2.Do not use organic solvents such as benzene and thinner.
3.Do not use a steel brush or abrasive cleanser.
4.The fed oil may spring back and squirt. Do not peer down the worm shaft part.
5.Do not feed oil to water discharge hole.
6.Do not put magnetic force closer to the product main body.



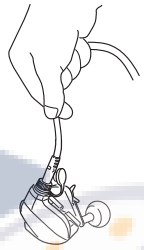
ReelSchematic

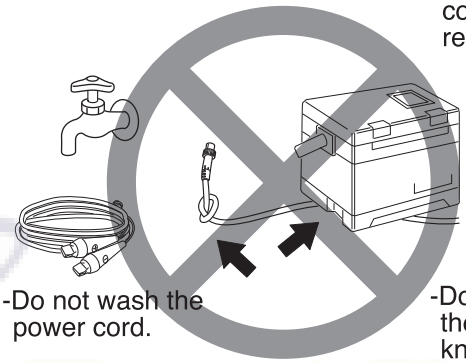
Maintenance

Handling and maintenance of the power cord

Follow the restrictions below to avoid troubles caused by disconnection of power cord and the like.
Be sure to use the specific power cord supplied with the reel unit.
*Note that the unit is not compatible with any other power cord.
*Do not modify the power cord. It may cause an unintended failure. Be sure to keep the power cord intact.

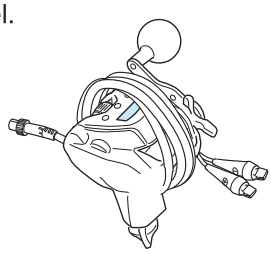
-Do not hang the reel by the power cord.





-Do not wash the power cord.

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

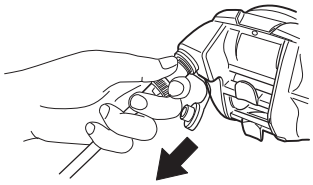


-Do not set heavy items on the power cord, or tie knots in the power cord.

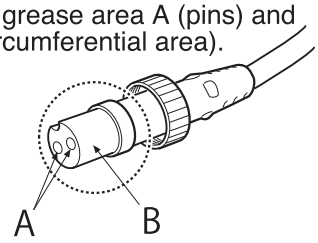
Maintenance of the power cord

-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 powercord from the reel.



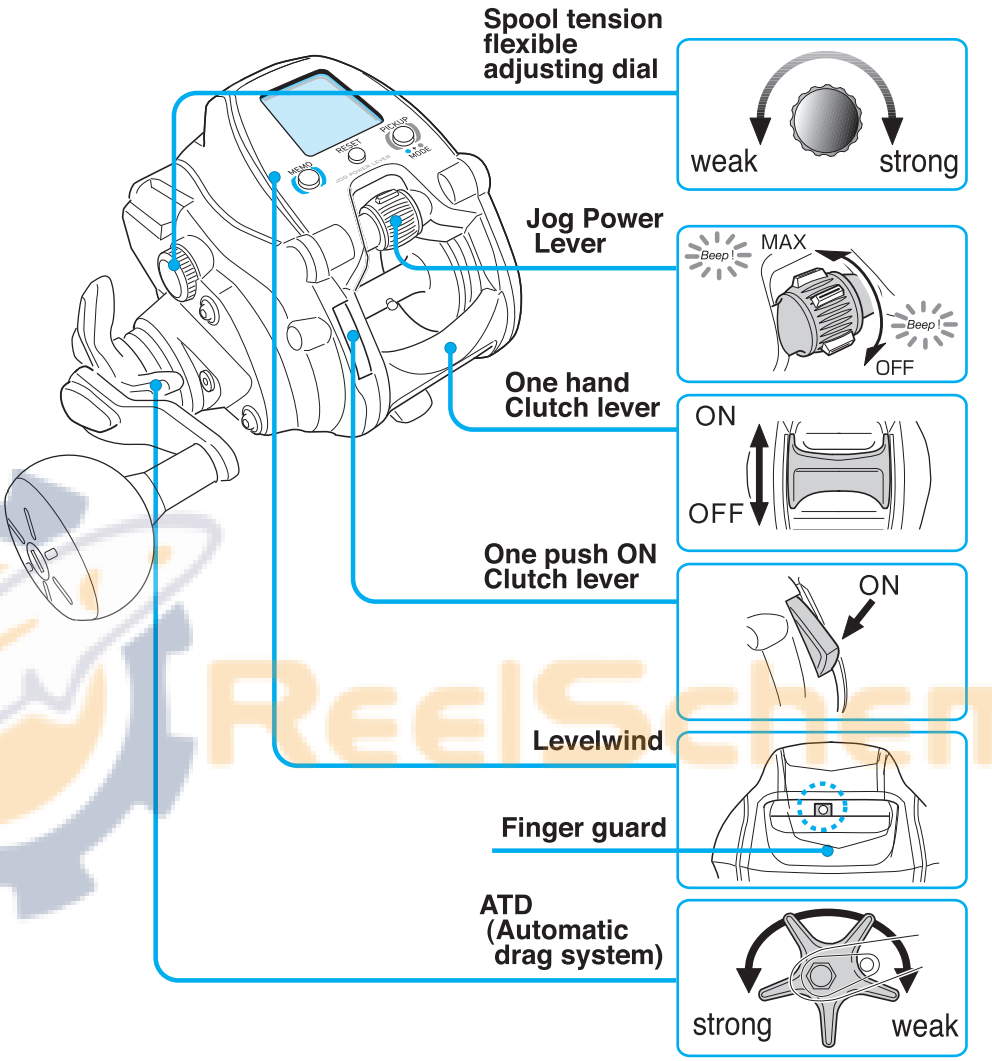
Clean and grease area A (pins) and area B (Circumferential area).



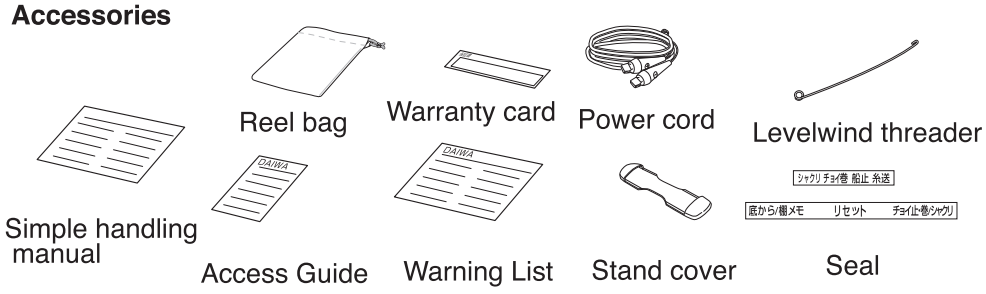
Other maintenance points

-This reel is a precision instrument that employs electric circuity 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



Accessories



Names and functions of each part

Jog Power Lever

-You can freely adjust the winding power (speed) from OFF to MAX by using the lever.
-Turning the lever forward (toward MAX as shown in the figure left) will increase the power (speed) (increase the winding speed).
-Tuning the lever back (toward OFF) will decrease the power (speed) (decrease the winding speed).

-Check the position of the lever before you start winding. If it is not at OFF position, turn it back to OFF position (an audible alarm will sound to tell you that the lever has backed to the OFF position). Then, push the lever forward to start winding.
-Note that the lever does not accept your lever manipulation near the pre-set auto stop point for safety reasons.
-The displayed value for setting by the lever may fluctuate due to winding load fluctuation but it is not abnormal event.

TD (Automatic Drag System) * With a drag click system

-This is designed to provide a mechanism whereby adjusting the star drag allows the spool to slip against a strong pull to avoid line breakage.
1. Set the reel on the rod and put the line through the rod guide before adjusting the drag.
2. Adjust the tightness of the drag, with the clutch ON, manually pulling the line out from the reel. Normally, adjust the drag allowing the spool to slip before the line breakage (trace line).

-At around the stop position at boat edge, the JOG Power Lever may not be operable for safety reasons.

One-Push ON Clutch Lever

-The clutch turns to ON by pressing the lever when the clutch is OFF.
-You can turn the clutch to ON quickly with your hand holding the rod.

Spool tension flexible adjusting dial

-This is a brake system to avoid backlash (a tangle of line caused by line slack).
Adjust the tension according to your boat's pitching and rolling motion or the weight of your terminal rig.

Levelwind

-The levelwind allows to ensure an even winding of the line on the spool that is passed through the guide.
*The line may be wound unevenly on the spool depending on the winding condition in some cases.

One-Hand Clutch Lever

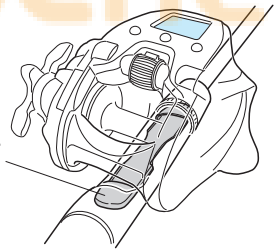
-You can disengage the clutch by slightly pressing down with your thumb.

◆While it is turned ON: Turn the handle to wind up the line.

◆While it is turned OFF: Spool is free. Turn the handle clockwise to turn ON the clutch.

Accessories

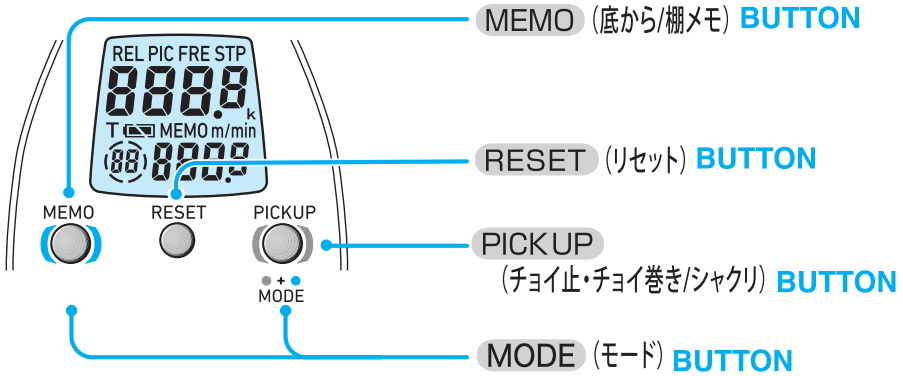
-Power cord /Access Guide/Warning List /Seal /Reel bag /Warranty card/Simple handling manual/Warranty card
-Line Threader
It is used to put the line through the level wind. (The line threader is packaged in a plastic bag as one of the accessories together with the reel bag).
-Stand cover
Use it to protect the reel and the rod and prevent rattling with respect to the reel seat.



⚠ Attention

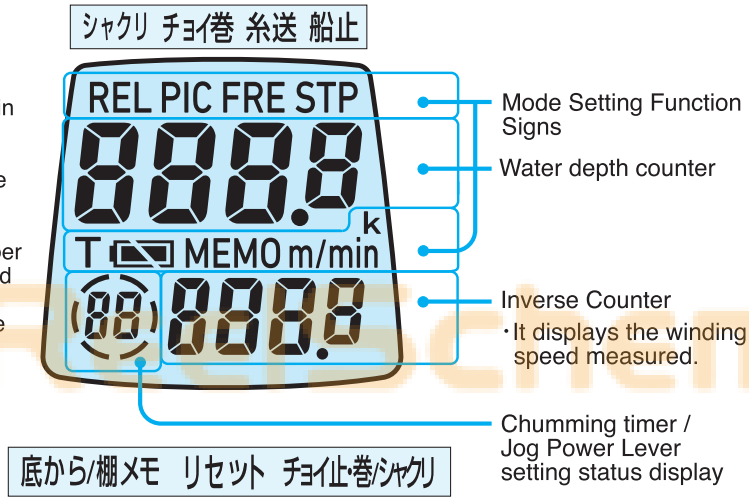
** If the stand cover is attached, the reel will not be attached depending on the rod.*
** If the stand cover is attached to a type of rods with a rotary installation base, the stand cover may be broken.*
** Excessive tightening of the reel seat may cause the stand cover to be deformed and contact with the spool, resulting in decrease in the spool free performance (lowering of the terminal rig).*

Names of the buttons and the display



Stick on the enclosed stickers for the signs in Japanese (bilingual).

As shown in the figure on the right, stick the smaller sticker (mode indicators) on the upper part of the counter and the larger sticker (switch names) on the lower part of the counter.



●RESET (リセット)

When you press the RESET (リセット) BUTTON, the water depth counter will show 0.0 m. And the timer will be reset.

*Be sure to press the RESET (リセット) BUTTON once always before you start fishing. The auto stop position is set based on the point where you pressed the button. (STP (船止) will appear on the screen.)

The initial setting of auto stop is preset to 2.0 m. Refer to the page29 "Water depth zero setting"

*Do not press and hold the RESET (リセット) BUTTON, except for data correction of a broken line; it may cause an error in the counter.

●MEMO (船止)

Pressing the MEMO (船止) BUTTON resets the counter (the counter in the lower part) to 0.0 m, recording (memorizing) the target shelf.

-Anyone can measure the depth of the shelf easily and even accurately by looking at the inverse counter (the counter in the lower part).
-The Chumming Timer is restarted by pressing this switch.

Names of the buttons and the display

●PICKUP(チョイ止・チョイ巻き/シャクリ)

In the mode setting screen, you can use this button to select Pickup or Pause mode.

· Pickup

-You can wind up the line by the electric reel only while pressing the PICK UP (チョイ止・巻) BUTTON . This mode is useful to remove a slack of the line or attract fish.
-The winding speed can be changed in the rage between 0 and Hi in the submenu of this mode.
*If the winding speed is set to 0, the line will not be wound up when you press the button.
*This button will be disabled for safety when you press this button at the distance 6 meters or more from the auto stop point.

· Pause

-While electrical winding up:
You can pause the electrical winding up only while pressing the PICK UP (チョイ止・巻) BUTTON .

· Jigging

-While electrical winding up:
You can pause the electrical winding up only while pressing the PICK UP (チョイ止・巻) BUTTON .
- Jigging can be ON/OFF.
- Pressing this button starts jigging.
(REL blinks.)
- Pressing the button again stops jigging.

●MODE(モード)

Press and hold both MEMO (船止) BUTTON and PICK UP (チョイ止・巻) BUTTON simultaneously for 2 seconds to go to the Menu screen where you can set various useful functions.
-Once you have set up your settings, you can also use the settings in the next fishing as they are.
-Use the Jog Power Lever to enter any values and turn ON/OFF the functions.
-After entering your desired values, press the PICK UP (チョイ止・巻) BUTTON. The setting will be completed when the next mode appears.
-Every time you press the PICK UP (チョイ止・巻) BUTTON, each screen will be "jogged".
-If keep pressing the PICK UP (チョイ止・巻) BUTTON, each screen will be fast forwarded to return to the "Water Depth" screen.

●Timer

-This shows the time having elapsed every from dropping the rig (timer), while the motor is stopped.
-Or, this shows the Jog Power Lever setting status (0 to Hi), while the Jog Power Lever is operated.

●Mode setting function display

-The screen to set useful functions is displayed.
-Indicators of the active functions which have been setup will be turned ON (blink),

STP is displayed:
(船止) If you press the RESET(リセット) BUTTON, it will be turned ON. (The boat will make Auto Stop at 5.0 m from the boat if you have not set the water surface zero setting).

PIC is displayed:
(チョイ巻) You can wind up the line by the electric reel while you keep pressing the PICK UP (チョイ止・巻) BUTTON.

FRE is displayed:
(糸送) Auto Line feeding is employed. Default setting is off.

T is displayed:
(タイマー) Chumming timer starts working.

REL is displayed:
(シャクリ) Automatic jigging starts by pressing the PICK UP (チョイ止・巻) BUTTON when setting jigging. Automatic jigging stops by pressing the switch one more time.

is blinking:
This will be blinking when the battery voltage is lowered.

MEMO is displayed:
(底から) It is displayed when the inverse counter is ON, to indicate the water depth from the bottom (shelf).

m/min is displayed:
It indicates the winding speed measured during automatic winding.

●Water Depth Counter

-This displays the depth from the water surface.

●Inverse Counter

-Indicates the water depth from the bottom (shelf)
(It is not displayed when the reel is first turned on.)
-The inverse counter can be set to be hidden.
-It indicates the winding speed per minute measured during automatic winding.

Line data input (TANA sensor Bright section)

If you use our shelf sensor Bright or Nylon line, you can use the preset data input to set for your winding. The preset data input allows you to simply input data only by selecting your line from the selection as shown in the next page such as line kind, thickness, and winding length. (The following example explains how to insert a Self Sensor Bright-#3-400m fishing line.)

⚠ Pay attention to burn injury!

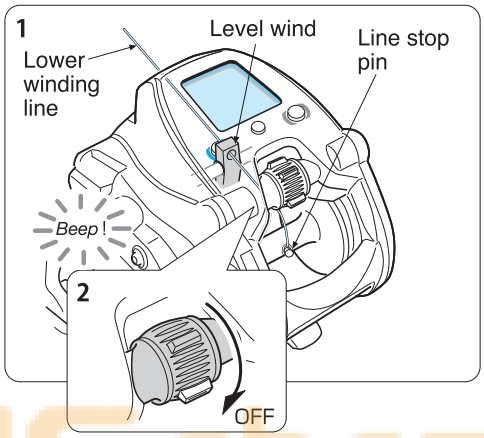
When you input the fishing line, the motor gets overheated and the frame gets very hot. Do not touch the frame directly with your hand. Apply wet towel etc. to the frame to input the fishing line.

1. Pass the line for lower winding through level wind and tie it with spool, and the distribute the power.
* You can lace the line easily by using the included threader pin.
* To prevent the slip of line on spool surface, be sure to tie the line with the line stop pin.
* Tighten the drag line.

2. Return the Jog Power Lever to OFF.

3. Turn ON the reel and turn the Jog Power Lever to the MAX position. Then, wind the main line to its end.

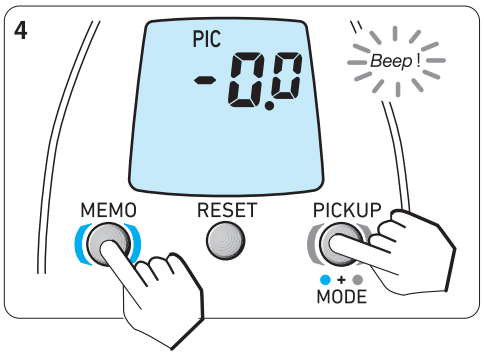
*Please refer to the page 8 “How to connect the power supply” for the details of the connection procedure.
*Wind the main line at about 1 kg tension.



⚠ Attention

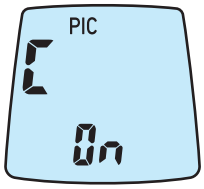
- If a line contacts finger guard or frame, the reel may be damaged. Take care not to contact the line with such a part.
*- If you wind the line at low speed and with high tension in doors over time (*1), the motor generates heat abnormally and it leads to failure. Carry out the input by set the power lever to max position. At the actual fishing, the motor is cooled down by salt water etc., so there is no problem.*
*(*1) If the line is wound for 10 minutes continuously, the motor overheat prevention function operates. The motor stops and the screen display blinks and all operations are disabled for 5 minutes. If the number on SCATTERING timer is counted down as 4, 3, 2, 1, 0 (minutes) and the alarm sounds "Beep", the input in the status before stop is enabled.*

4. When -0.0 is displayed, press MEMO (船止) BUTTON and PICK UP (チョイ止・巻) BUTTON at the same time for 6 seconds continuously.

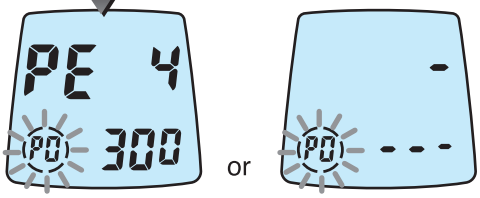


Line data input (TANA sensor Bright section)

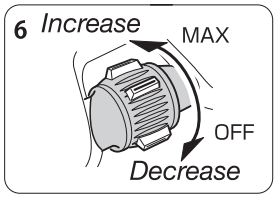
*Keep pressing the button, though the pickup screen will appear in about 2 seconds,



5. The screen for the initial setting for PE#4-300m will appear.
(P0 blinks.)
* If you keep pressing the buttons.



6. Select any of the combinations of the line thickness and the winding length.
*Turn the lever forward to increase the numeric value.
*Turn the lever backward to decrease the numeric value.





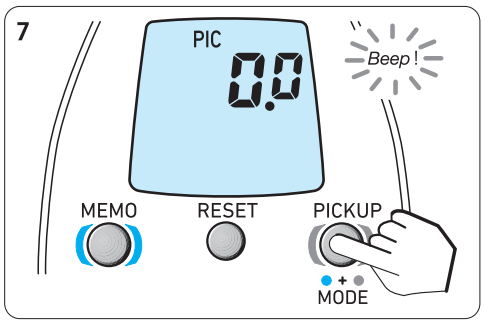
*In this figure, the preset data for PE#3-400m line is set for.

The following table shows the list of the preset data.

List of the preset data options

PE (numeric digits followed by PE) (m)			Nylon (numeric digits followed by L) (m)		
#3	300	400	#5	250	280
#4	300	—	#6	200	—
#5	200	230			

7. When you finish your selection of the numeric value by Jog Power Lever, press P PICKUP (チョイ止・巻) BUTTON .
Then, your selection is completed.
*Then, alarm beeps and 0.0 will be blinking. When the blinking stops, the setting is completed.



Use

** SEABORG 300JL has the preset data of "Tana Sensor Bright PE#4-300m long" in its memory.*
No data input is required when you wind up Tana Sensor Bright PE#4-300m.

P1 Line Input

Line data input (When line length is known)

If you know the length of the line to be wound on the reel, take the following steps for more convenience.
(Here, a line PE#3-400m long is used as an example to show you how to input and set this sub-parameter by winding the line)

⚠ Pay attention to burn injury!

When you input the fishing line, the motor gets overheated and the frame gets very hot. Do not touch the frame directly with your hand. Apply wet towel etc. to the frame to input the fishing line.

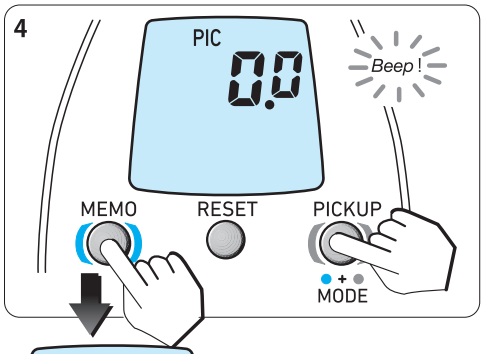
1. Pass the line for lower winding through level wind and tie it with spool, and the distribute the power.
* You can lace the line easily by using the included threader pin.
* To prevent the slip of line on spool surface, be sure to tie the line with the line stop pin.
* Tighten the drag line.

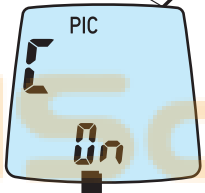
2. Return the Jog Power Lever to OFF.

3. Turn on the reel.

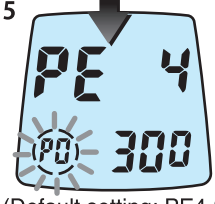
4. When 0.0 is displayed, press MEMO (船止) BUTTON and PICK UP (チョイ止・巻) BUTTON at the same time for 6 seconds continuously.

*Keep pressing the button, though the "Pickup screen" will appear in about 2 seconds.

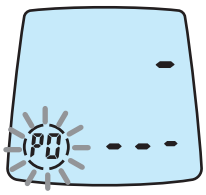




5. The Initial setting screen for PE#4-300m will appear.
(P0 blinks.)
* If you keep pressing the buttons.

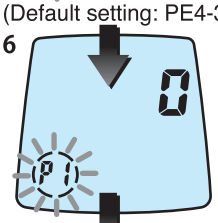


or



(Default setting: PE4-300)

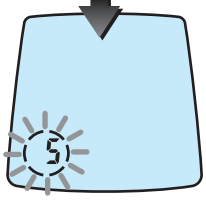
6. Press PICK UP (チョイ止・巻) BUTTON once to go to the Line-length Input screen.
(P1 starts blinking)

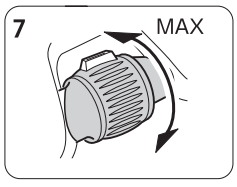


(Line length input screen)

7. Adjust the tension of the line. Then, turn the Jog Power Lever to the MAX position. Subsequently, wind the main line.

*Adjust the tension so that the numeric figure on the left bottom of the panel becomes 5 or 6.





ReelSchematic

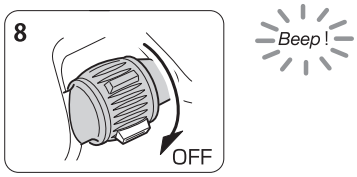
Line data input (When line length is known)

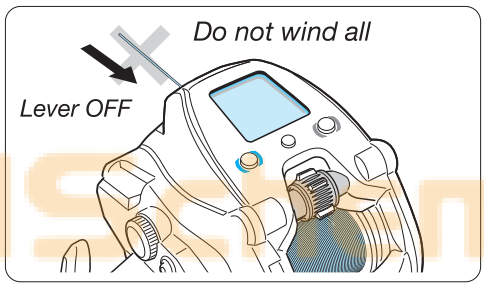
Attention

- *If a line contacts finger guard or frame, the reel may be damaged. Take care not to contact the line with such a part.*
- *If you wind the line at low speed and with high tension in doors over time (*1), the motor generates heat abnormally and it leads to failure. Carry out the input by set the power lever to max position. At the actual fishing, the motor is cooled down by salt water etc., so there is no problem.*

*(*1) If the line is wound for 10 minutes continuously, the motor overheat prevention function operates. The motor stops and the screen display blinks and all operations are disabled for 5 minutes. If the number on SCATTERING timer is counted down as 4, 3, 2, 1, 0 (minutes) and the alarm sounds "Beep", the input in the status before stop is enabled.*

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

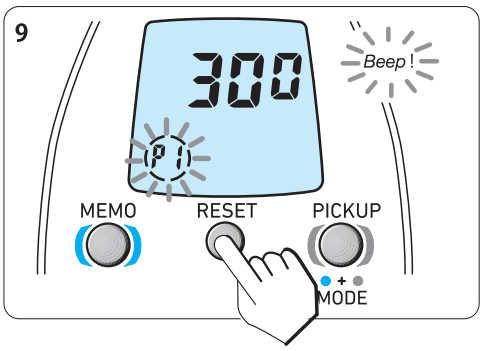




Attention

- *Do not spool up the line completely. Set the jog power lever to OFF position on front side and wind it with a handle. If it is spooled up, it causes an error of counter.*
- *In this input method, fine line less than PE No.2 cannot be input.*
- *In case of PE No. 2, if you wind it up to almost external diameter of spool, PE line may enter between spool and frame. It is recommended to wind it up to approximately 1mm smaller than external diameter of spool.*

9. Press RESET(リセット) BUTTON for 2 seconds, until the display shows 300 . (300 is the default setting)

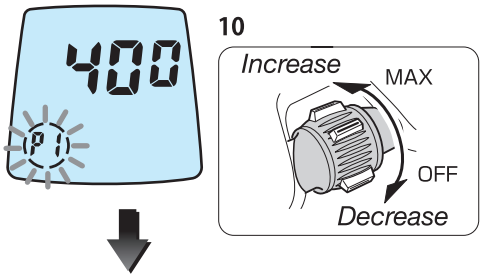


P1 Line Input

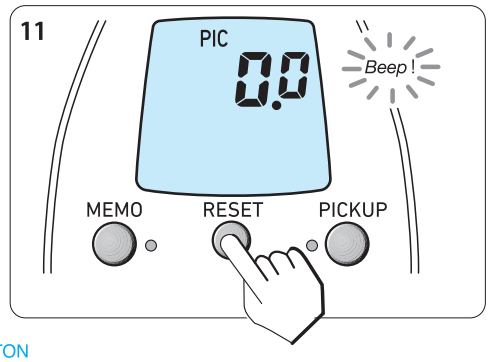
Line data input (When line length is known)

10. Enter the line length with the Jog Power lever.
(in the figure on the right, line length is 400 m).

(The value can be set for every 10m.)



11. Press RESET(リセット) BUTTON for 2 seconds and a beep will be heard. The display should return to 0.0 blinks, completing the setting procedure.



* If Err is displayed, press PICK UP(チョイ止・巻) BUTTON and carry out the input from beginning or input of pullout (pages 24, 25).

ReelSchematic

Line data input (Backing line input)

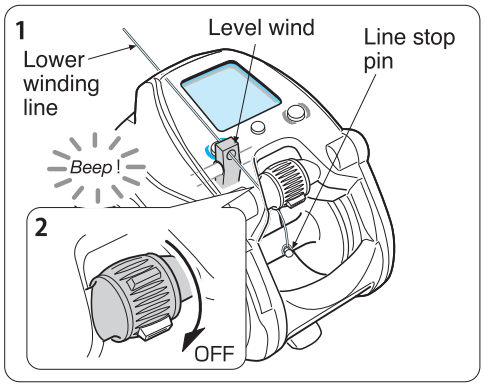
However, 100m or more fishing line you know the length is required.

Pay attention to burn injury!

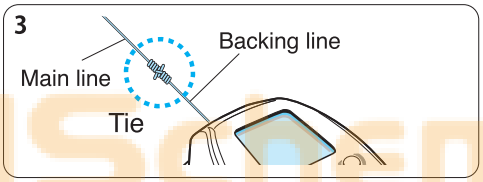
When you input the fishing line, the motor gets overheated and the frame gets very hot. Do not touch the frame directly with your hand. Apply wet towel etc. to the frame to input the fishing line.

1. Pass the line for lower winding through level wind and tie it with spool, and the distribute the power.
* You can lace the line easily by using the included threader pin.
* To prevent the slip of line on spool surface, be sure to tie the line with the line stop pin.
* Tighten the drag line.

2. Wind the line for lower winding.
* If the Jog Power Lever does not exist at OFF position, return it to OFF position (front side) once, and then output it.

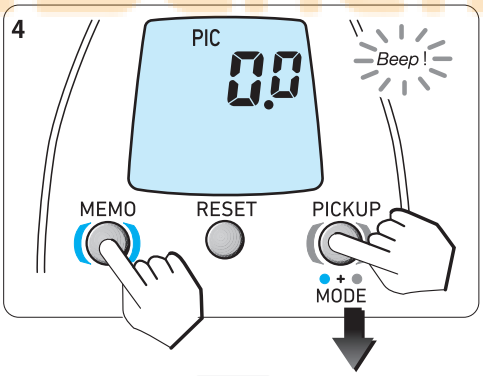


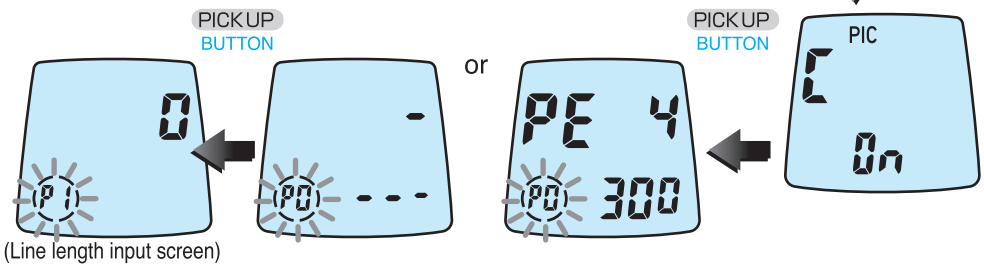
3.Tie the upper line securely.



4. When 0.0 is displayed, press MEMO (船止) BUTTON and PICK UP (チョイ止・巻) BUTTON at the same time for 6 seconds continuously.
* Approximately 2 seconds later, the screen shifts to jog winding screen.
P0 blinks.

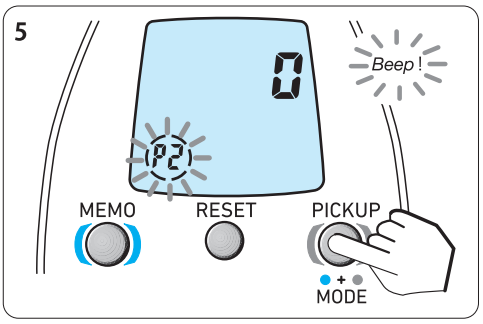
* If you keep pressing the buttons. Next, if you press PICK UP (チョイ止・巻) BUTTON , P1 blinks.





Line data input (Backing line input)

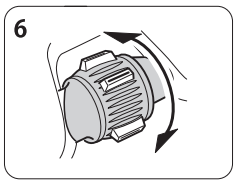
5. If the line length input screen is displayed, press PICK UP (チョイ止・巻) BUTTON again to display the lower winding input screen.
P2 blinks.



6. Tension the line and wind the fishing line until the remaining length becomes 100m paying attention to the line color.

With the jog power lever moved forward, P2 (Bottom left of screen) changes into a tension indicator.
Adjust the tension so that the numeric figure on the left bottom of the panel becomes 5 or 6.





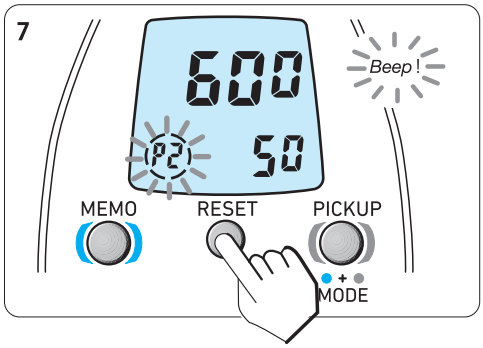
Attention

- *If a line contacts finger guard or frame, the reel may be damaged. Take care not to contact the line with such a part.*
- *If you wind the line at low speed and with high tension in doors over time (*1), the motor generates heat abnormally and it leads to failure. Carry out the input by set the power lever to max position. At the actual fishing, the motor is cooled down by salt water etc., so there is no problem.*

*(*1) If the line is wound for 10 minutes continuously, the motor overheat prevention function operates. The motor stops and the screen display blinks and all operations are disabled for 5 minutes. If the number on SCATTERING timer is counted down as 4, 3, 2, 1, 0 (minutes) and the alarm sounds "Beep", the input in the status before stop is enabled.*

7. Press RESET (リセット) BUTTON for 2 seconds or more.
P2 blinks and the lower counter indicates 50 .
The value of upper counter increases by winding the line.

8. Tension the line and wind 50m of fishing line paying attention to the line color.

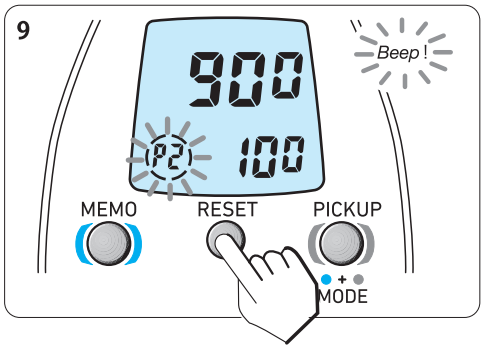


P2 Backing line input

Line data input (Backing line input)

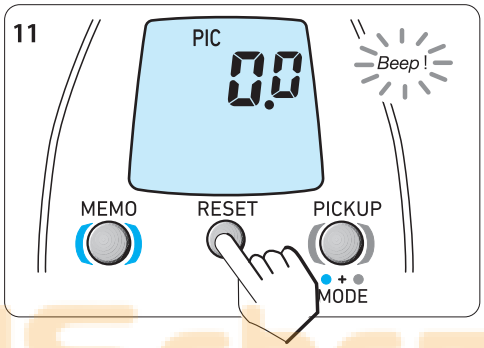
9. Press RESET(リセット) BUTTON for 2 seconds or more.

   The lower counter shows 100 .



10. Tension the line and wind the remaining 50m of fishing line paying attention to the line color.

11. Press RESET(リセット) BUTTON for 2 seconds or more. If the blinking of 100 display finishes, the input is completed.



Attention

- *Do not spool up the line completely. Set the jog power lever to OFF position on front side and wind it with a handle. If it is spooled up, it causes an error of counter.*
- *In this input method, fine line less than PE No.1 cannot be input.*
- *In case of PE No. 1-2, if you wind it up to almost external diameter of spool, PE line may enter between spool and frame. It is recommended to wind it up to approximately 1mm smaller than external diameter of spool.*

* If Err is displayed, press PICK UP (チョイ止・巻) BUTTON and carry out the input from beginning or input of pullout (pages 24, 25).

ReelSchematic

Line data input (Line re-input)

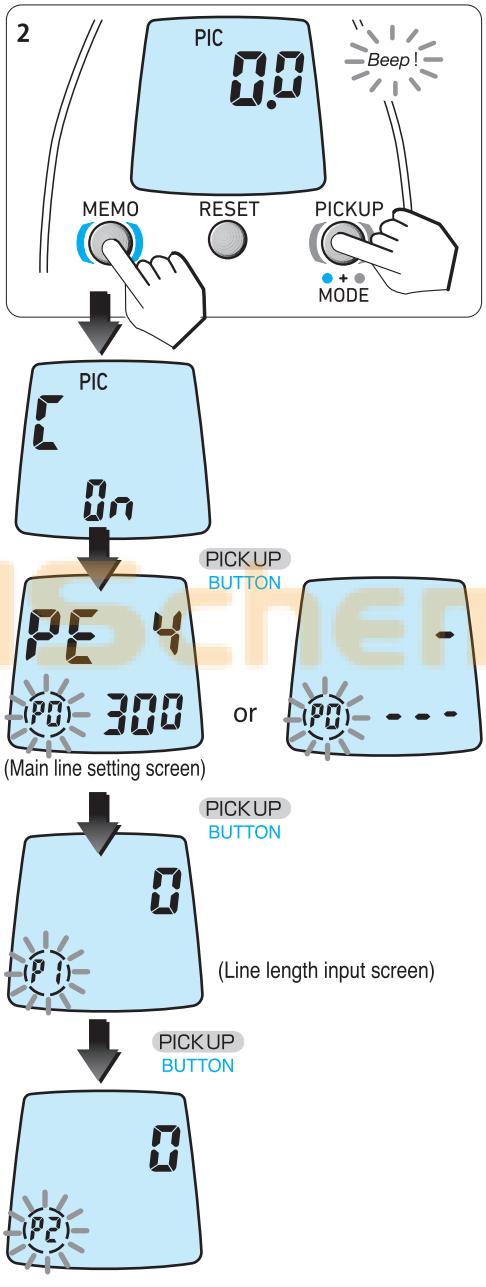
This option allows you to re-enter the line data, pulling out the line after it has been completely wound up onto the reel.
Note that it is necessary that you know the line length and that it is greaterthan 100 m.

1. Connect the battery to the reel.

2. Press MEMO (船止) BUTTON and PICK UP (チョイ止・巻) BUTTON at the same time for 6 seconds continuously.

* Although it first displays the PICKUP screen, it turns to the main-line settings screen as you keep pressing and P0 starts to blink.

*If you keep pressing the buttons.



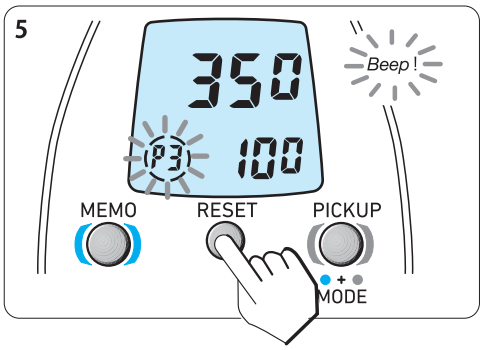
3. Press the PICK UP (チョイ止・巻) BUTTON three times to display the pull-out input screen.

* P3 blinks and 50 is displayed on the counter below.

Line data input (Line re-input)

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

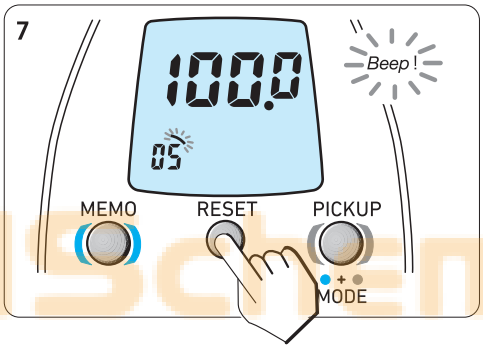
5. Press the RESET(リセット) BUTTON for 2 seconds.
The lower counter shows 100 .



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

7. Press the RESET(リセット) BUTTONfor 2 seconds.

The number displayed above turns to 100.0 .



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

Attention

- *Do not spool up the line completely. Set the jog power lever to OFF position on front side and wind it with a handle. If it is spooled up, it causes an error of counter.*
- *In this input method, fine line less than PE No.1 cannot be input.*
- *In case of PE No. 1-2, if you wind it up to almost external diameter of spool, PE line may enter between spool and frame. It is recommended to wind it up to approximately 1mm smaller than external diameter of spool.*

* Should Err appear on the display, then use the PICK UP (チョイ止・巻) BUTTON to re-enter the data.

ReelSchematic

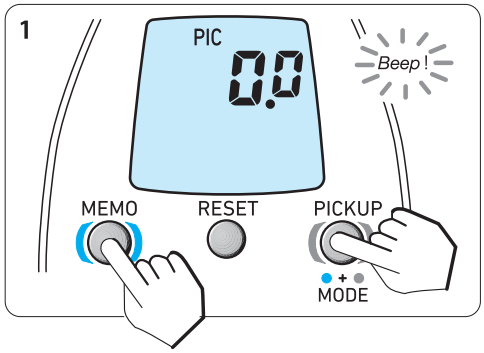
Functional setting [1. Mode setting display]

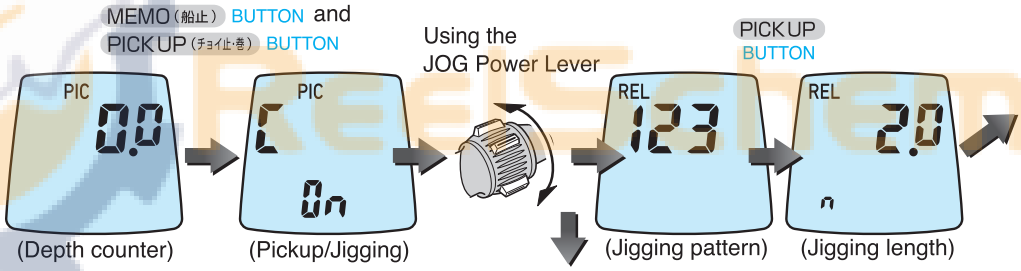
How to set the many functions available

・There are many useful functions in the mode.
・On the settings screen, select the value and turn on/off the function by operating the Jog Power Lever, and then press the PICKUP (ﾁｮｲ止･巻) BUTTON to complete the settings as the next screen is displayed.
*The functions set in this process are saved until the next use.
(In case the power is turned off immediately after the mode setting, it may not be saved properly.)

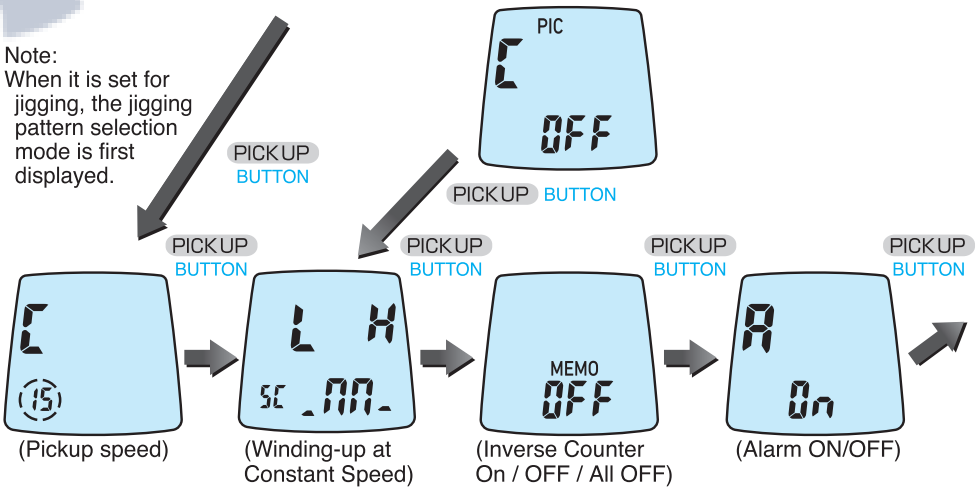
1. Press MEMO (船止) BUTTON and PICKUP (ﾁｮｲ止･巻) BUTTON at the same time for 2 seconds continuously.

*To prevent erroneous operations, the switches are to be pressed down for two seconds.
(The display turns to PICKUP.)





Note:
When it is set for jigging, the jigging pattern selection mode is first displayed.



Functional setting [1. Mode setting display]

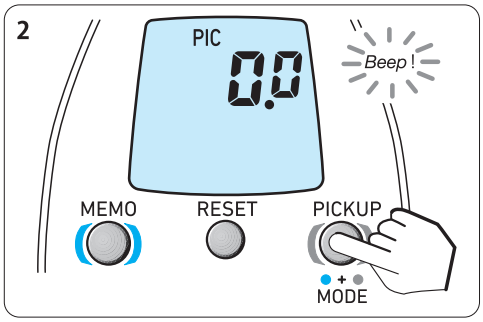
2. Press the PICKUP (チョイ止・巻) BUTTON to choose a display.

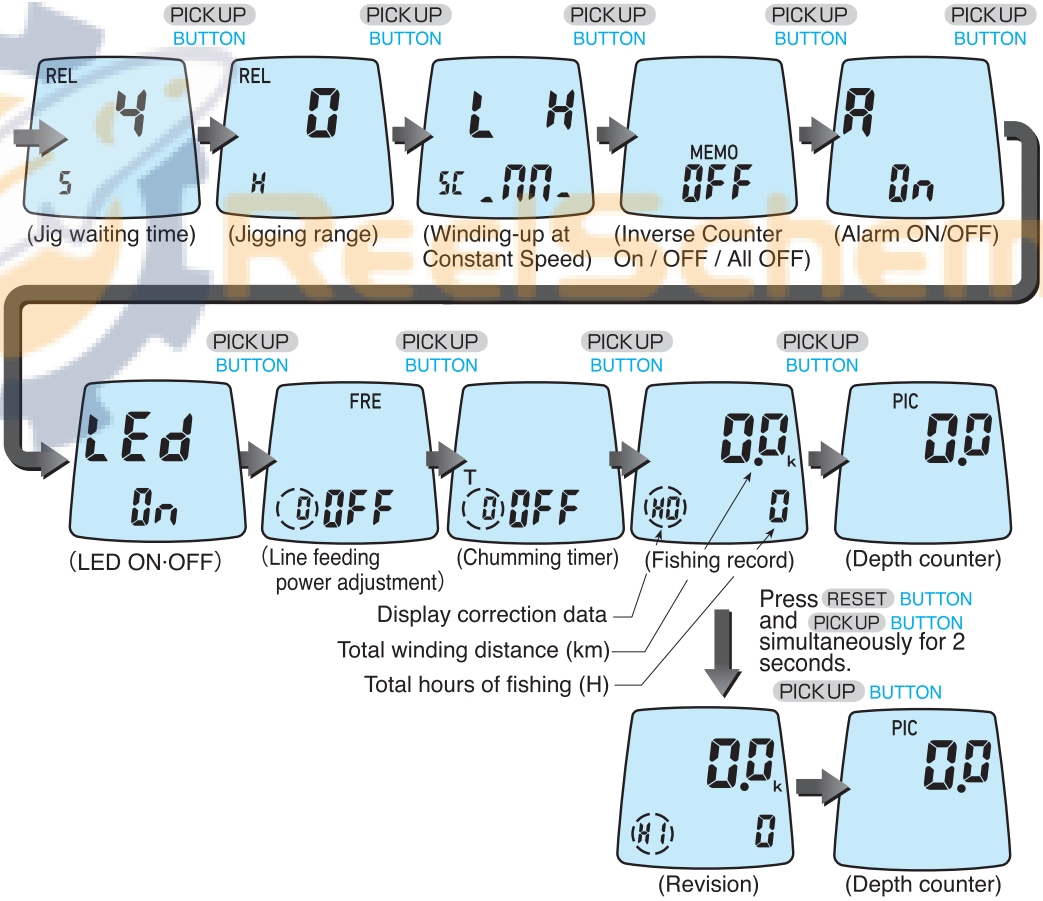
Each press of the PICKUP (チョイ止・巻) BUTTON changes the display to the next function.

*Holding the PICKUP (チョイ止・巻) BUTTON down, rapidly scrolls through the displays, quickly getting you back to the depth display.

*Although the configurations have been changed on the mode screen, you will be able to retain the default setting by pressing the RESET (リセット) BUTTON from any screen.

*While letting out or winding line, the PICKUP (チョイ止・巻) BUTTON cannot be used to change settings.



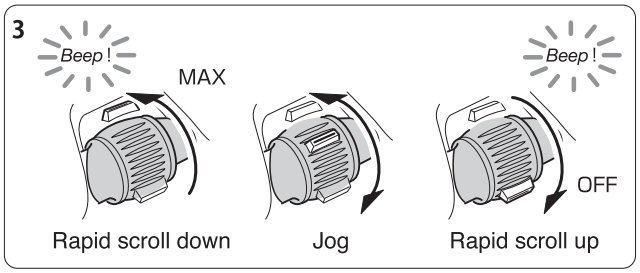


ReelSchematic

Functional setting [1. Mode setting display]

3. Select the values and turn on/off the different functions with the JOG Power Lever.

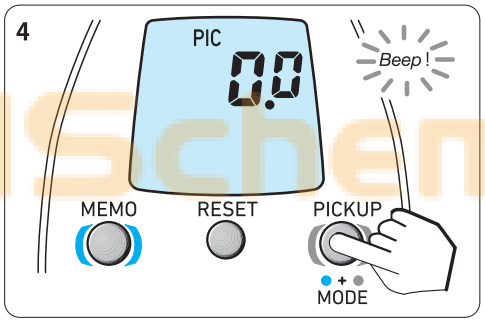
-Turn the Jog Power Lever to MAX position to rapidly scroll up the numeric figures, or turn it to OFF position to rapidly scroll down them.
-Place it at any position between MAX and OFF to scroll the numeric figures in jog mode.
-Operating the Jog Power Lever allows to display “ON” and “OFF” alternatively.



4. Press the PICK UP (チョイ止・巻) BUTTON to complete the settings as the next screen is displayed.

- Depress and hold the PICK UP (チョイ止・巻) BUTTON to rapidly scroll back to the depth counter screen.

・Return to the water-depth screen before starting fishing.
・Pressing the RESET (リセット) BUTTON on the settings screen allows you to retain the default settings.
(It does not apply to fishing history.)



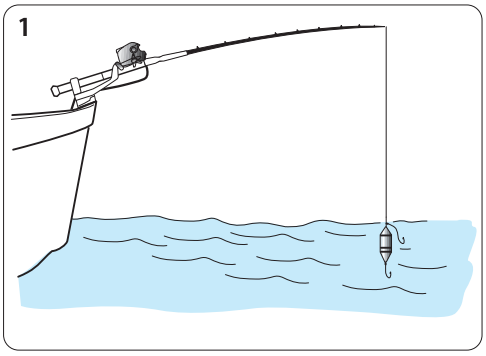
ReelSchematic

Functional setting [2. Before you begin fishing]

Surface depth setting

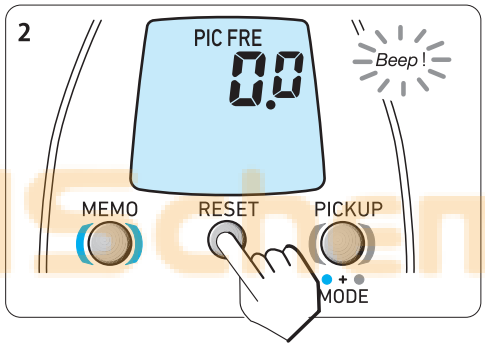
This must be performed before starting fishing. Accurate shelving can be done.

1. Connect the reel to the battery, put the line through all the guides, and prepare your terminal rig.



2. Lower the terminal rig to the water surface and press the RESET(リセット) BUTTON.

The display resets to 0.0 and the indicator lamp STP (auto stop) will turn on. Then the setup has been completed.



Attention

-When new line is wound up, or when line has been pulled under heavy tension, line stretch may cause a gap in the auto stop point at the boat side. Simply reset the surface setting to set it to zero.

If the main line is broken

-Should your line break, revise data as follows.
Revise the data of the broken line. Wind the line to the rod tip while the reel is powered on. Then, press the RESET(リセット) BUTTON for 2 seconds or more. When the display shows 0.0, then your re-adjustment is completed.

*The line data will be overwritten (revised) by the procedure described above.

*Do not press and hold the RESET(リセット) BUTTON, except for data correction of a broken line; it may cause an error in the counter.

Functional setting [3. Auto stop]

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 reel stops winding automatically at the boat edge, whether it is winding by the Power Lever, jigging, or Chumming Timer winding.

-After fixing the rig, make sure to adjust the water depth counter to 0.0 m by pressing the RESET(リセット) BUTTON when the rig is at the water surface (at water depth of 0 m). (Water Surface Zero Setting) (STP (船止) blinks on the LCD screen.)

■ If you haven't pressed the RESET(リセット) BUTTON

⇒ It stops automatically at 5.0 m to avoid reeling in the rig.

■ If you have pressed the RESET(リセット) BUTTON, for water surface zero setting, etc.

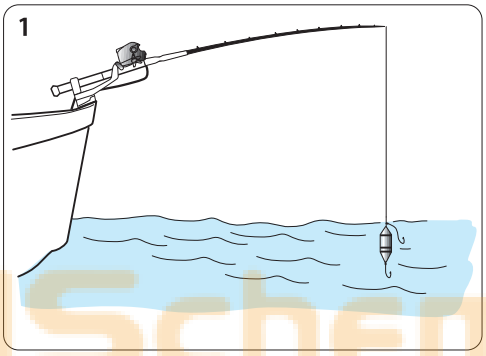
⇒ An alarm goes off every 2 meters from a water depth of 8 meters. It stops automatically at 2.0 m.

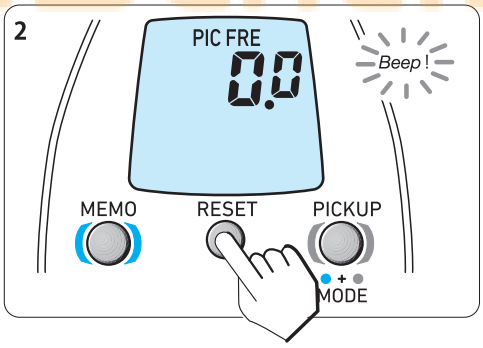
■ If you have preset a stop point by configuring the customizable boat edge auto stop function (see p. 32)

⇒ An alarm goes off every 2 meters from 6 meters before the point set for auto stop. It stops at the preset stop point.

-After the reel stops at the boat edge, wind it until the counter displays 0.0 m by operating the Power Lover. Beyond 0.0 m, the reel cannot be wound with the Power Lever unless the RESET(リセット) BUTTON is pressed, to prevent the rod from being reeled in by mistake.
-The stop point may not be correctly kept depending on how hard the boat is swaying, how heavy the sinker is, and so on. In such cases, increase the preset value before using it.

-When the load fluctuates significantly at a water depth of 100 m or more, the stop position may not be measured accurately, which can cause the rig to be caught into the reel, resulting in the risk of damaging your rod. In this case, allow a sufficient margin when setting the stop position at boat edge.





*Make sure to perform surface setting (see p. 29) before launching the jig.

Functional setting [4. Auto stop function]

Auto stop setting

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

-You can set the auto stop point by setting the adjustable depth within the range 1 to 5 m from the point where you press RESET(リセット) BUTTON (in 10 cm increments).
Especially in case of chumming, it is recommended to set the adjustable auto stop point so that a chumming bait sinker comes to your hand side when you raise your rod tip, for more convenient checking and changing of baits and sinkers.
Note that it is designed not to allow you to set the auto stop point to any value below 1 m for safety reasons.
-In the case when you feel the auto stop point comes down due to line stretch, simply reset the counter to zero at the water surface.
-Note that the Jog Power Lever may not be allowed to manipulate around the auto stop point for safety reasons.

1. Connect the reel to the battery, and press the RESET(リセット) BUTTON with your terminal rig at the surface.
(Surface setting)

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.

Use

Checking and changing the terminal rig.

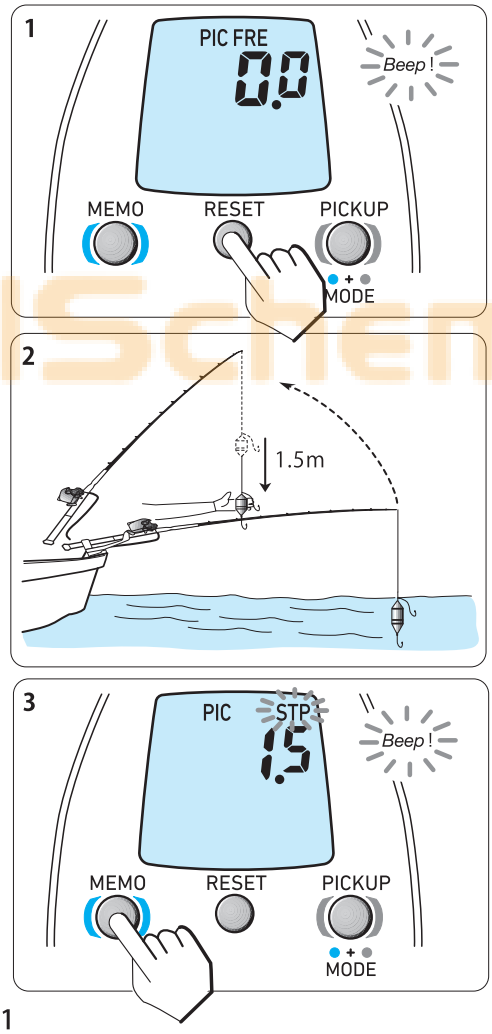
3. After adjusting length, press the MEMO(船止) BUTTON for 2 seconds.

When STP blinks, this procedure is completed.

*Boat Edge Auto Stop is set at 2.0m by default.
(Unless the RESET(リセット) BUTTON is pressed, it stops at 5.0m.)

The STP 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 [5. Line feeding function]

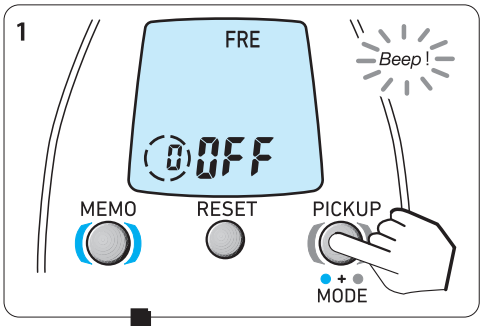
Line feeding function

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

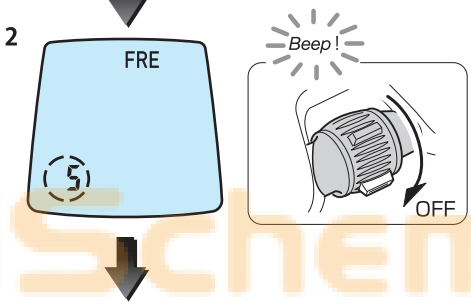
1. Press down the MEMO (船止) BUTTON and the PICK UP (ﾁｮｲ止･巻) BUTTON simultaneously for 2 seconds to change to the mode screen, and then press the PICK UP (ﾁｮｲ止･巻) BUTTON to change to the "Line feeding power adjustment" screen.

*Refer to "How to Use the Mode Screen" on page 26.

-It is turned off by default.



2. Turn the Jog Power Lever forward to set the feeding power.
(Figure shows Power set to 5.)



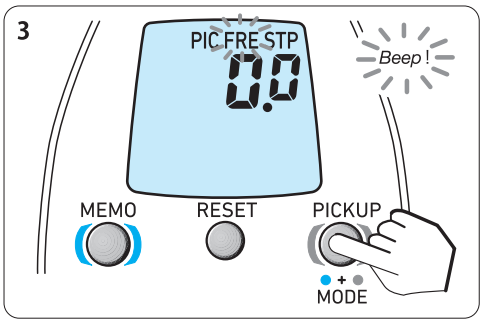
3. Return to the "water depth" screen by pressing the PICK UP (ﾁｮｲ止･巻) BUTTON, to complete the setting.

(FRE (糸送) will be displayed.)

-The line feeding mechanism begins to work at a depth of 2.5 m below the pre-set auto stop depth.

-This function allows you to adjust line feeding power according to the conditions such as your boat's pitching and rolling and the tidal current speed (32 steps from "0" (zero) to "Hi" (high)).
You can set the line feeding power in the "Set Line Feed" menu.

-If line feeding is stopped for a period due to backlash etc., the reel does not restart.



Attention

-Turning on the clutch while the line is being fed (the motor is in operation) may cause the line to catch in the reel.

-If your terminal rig is too light or line feeding power is too much, your line may be over-wound.

(There is no major problem in practical use. However, if you are concerned about this, it is recommended to decrease feeding power or turn off feeding.)

ReelSchematic

Functional setting [6. Pickup speed setting]

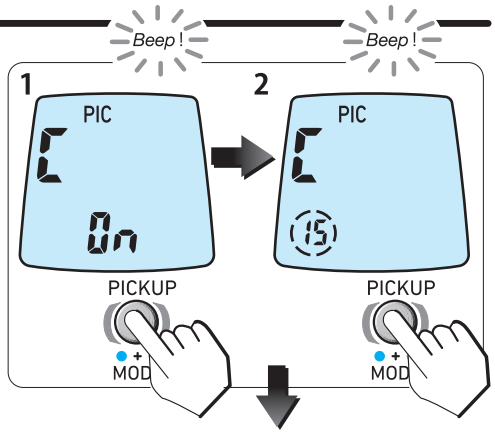
Pickup

This is very useful. You can wind the line by the electric reel only while pressing the PICK UP (チョイ止・巻) BUTTON . The pickup speed is set to 15 by default. You can change it in the Mode screen. (The setting can range from 0 to Hi.)

Pickup speed setting

1. Press down the MEMO (船止) BUTTON and the PICK UP (チョイ止・巻) BUTTON simultaneously for 2 seconds to change to the mode screen, and then press the PICK UP (チョイ止・巻) BUTTON to change to the "PICKUP" screen.

When the REL (シャクリ) screen is displayed, bring back up the screen as shown on the right by operating the Jog Power Lever or pressing the RESET (リセット) BUTTON .

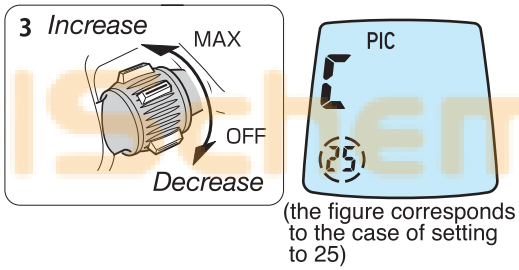


2. Press the PICK UP (チョイ止・巻) BUTTON once again.

The display turns to the PICKUP speed setting screen.

3. Set speed with the Jog power lever.

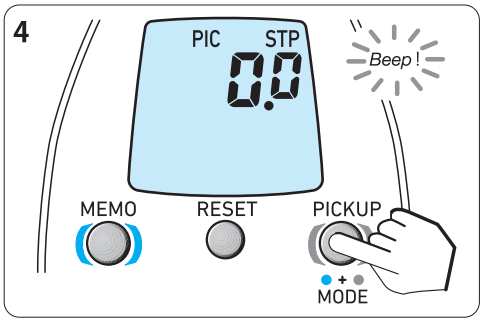
The setting value is 0 to Hi.



(the figure corresponds to the case of setting to 25)

4. Return to the "water depth" screen by pressing the PICK UP (チョイ止・巻) BUTTON, to complete the setting.

PIC (チョイ巻) will be displayed on the screen.



Attention

- *While the PICK UP (チョイ止・巻) BUTTON is in use for winding, winding speed is not displayed.*
- *At any positions beyond the boat edge stop position + 3m, pressing the switch does not stop the reel for safety reasons.*

ReelSchematic

Functional setting [5. Pause setting]

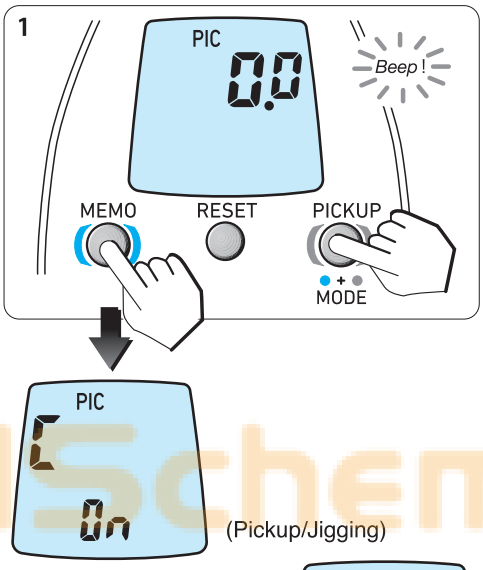
Pause

This is very useful. You can pause the electrical winding up only while pressing the PICK UP (チョイ止・巻) BUTTON . When you release the button, the reel restarts winding up at the speed specified by using the Jog Power Lever.

Pause setting

1.Press down the MEMO (船止) BUTTON and the PICK UP (チョイ止・巻) BUTTON simultaneously for 2 seconds.

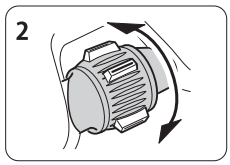
The display turns to “Pickup/Jigging” screen. If the “Pickup/Jigging” screen does not appear, operate the JOG Power Lever to call up the screen.

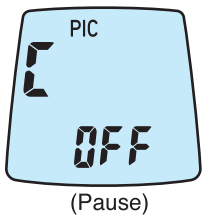


(Pickup/Jigging)

2. Operate the JOG Power Lever to set it to zero.

Using the JOG Power Lever

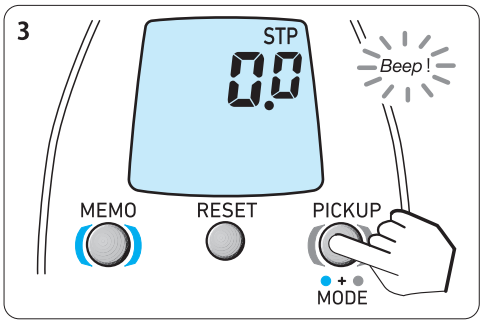




(Pause)

3. Press PICK UP (チョイ止・巻) BUTTON to return to the Water Depth screen. Now, the setting is completed.

PIC (チョイ巻) turns off.



⚠ Attention

-While pressing the PICK UP (チョイ止・巻) BUTTON, moving the JOG Power Lever by ±3 from its original position will stop winding for safety reasons.

ReelSchematic

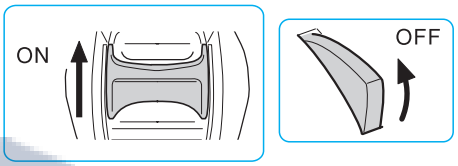
Functional setting [8. Inverse counter]

Inverse counter

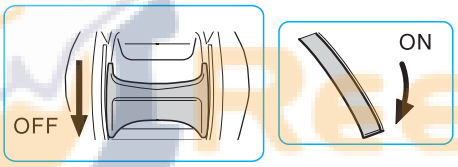
Two counters are better than one. This reel has counters from both the surface and from the bottom.

The default inverse counter setting is OFF. To turn it ON, see page 36.
(In the following example, intended fishing range is 100 m, which is 6 m from the bottom.)

1. Clutch OFF to send the rig to the bottom.

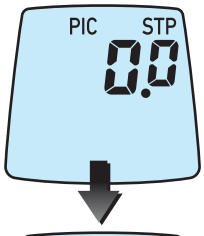


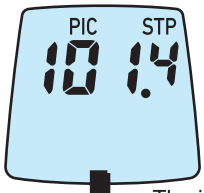
2. When the jig reaches the bottom, turn on the clutch by turning the handle or pressing One-push ON Clutch Lever.



3. After winding up any slack line, press the MEMO(船止) BUTTON and wind up 6 m.

By pressing the MEMO(船止) BUTTON, the lower area counter is 0.0. Wind line until the intended depth is reached.

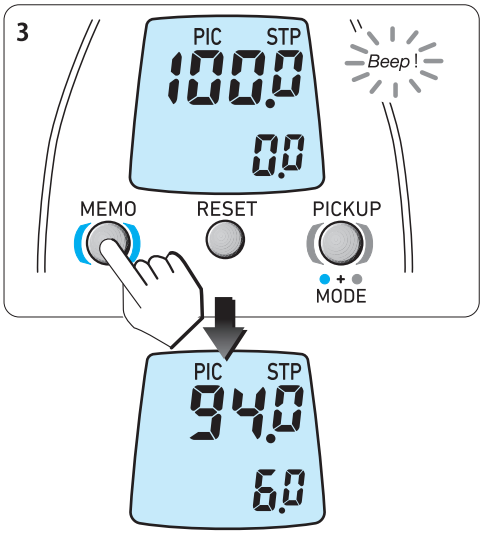




The jig reaches the bottom.



Straighten the line by winding.



ReelSchematic

Functional setting [8. Inverse counter]

Inverse counter

To hide completely (All-OFF) the inverse counter, take the following steps.
(In this case, the winding speed measured is not displayed either.)

1. Display the “Inverse Counter ON / OFF” screen by pressing the PICK UP (チョイ止・巻) BUTTON.

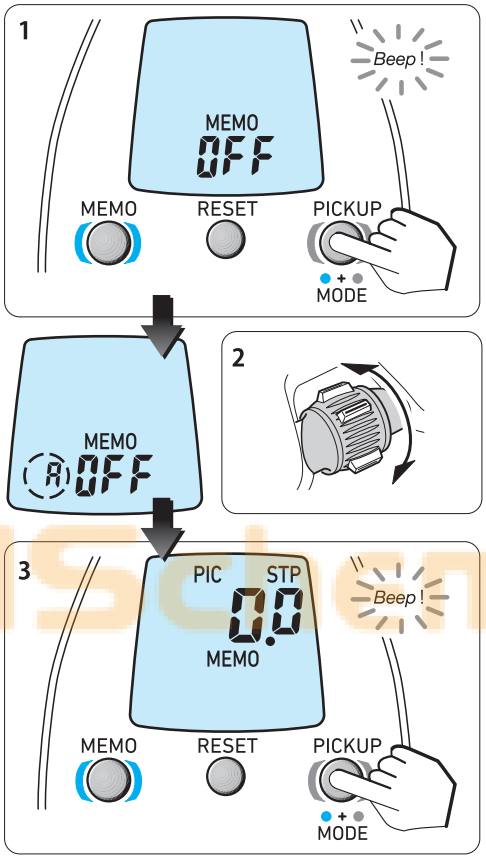
(MEMO is displayed.)

*Refer to “How to Use the Mode Screen” on page 26.
*The inverse counter display is set to OFF by default, in case of which the winding speed measured will be displayed on the lower counter.

2. Set the inverse counter to All-OFF with JOG Power Lever.

3. Return to the “water depth” screen by pressing the PICK UP (チョイ止・巻) BUTTON, to complete the setting.

The MEMO button will be lit and the “Inverse Counter” starts up.



*With the inverse counter, the following three types of settings are possible.

		Inverse Counter Display	Winding Speed Measured	
1	Inverse Counter: OFF 	Displayed only when manual winding	Displayed when automatic winding	*This is the default setting. (See p. 38)
2	Inverse Counter: ALLOFF 	Always off	Always off	
3	Inverse Counter: ON 	Always displayed	Always off	(See p. 38)

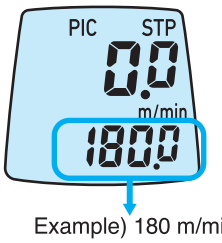
Functional setting [9. Winding speed display]

Winding speed display

When the inverse counter display is set to OFF, the winding speed measured will be displayed on the lower counter during automatic winding. (Default Setting)

*The speed is not displayed while winding by operating the PICK UP (チョイ止・巻) BUTTON .

*It measures by m/minute.



Example) 180 m/min

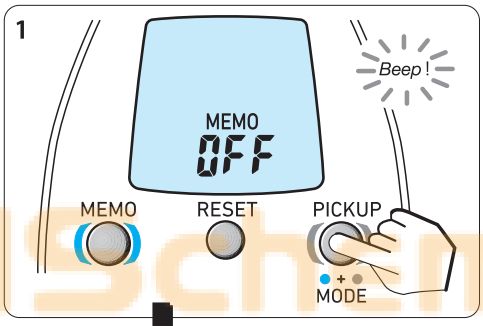
To hide the winding speed measured, take the following steps to turn on the counter.

1. Display the “Inverse Counter ON / OFF” screen by pressing the PICK UP (チョイ止・巻) BUTTON .

(MEMO (底から/棚メモ)is shown on the screen.)

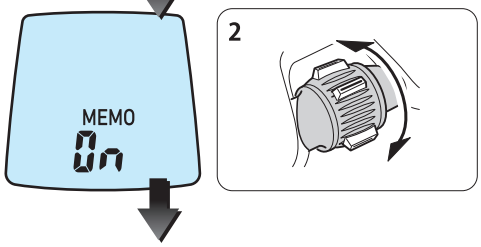
*Refer to “How to Use the Mode Screen” on pages 26.

*The inverse counter display is set to OFF by default, in which case the winding actual speed measured will be displayed on the lower counter.



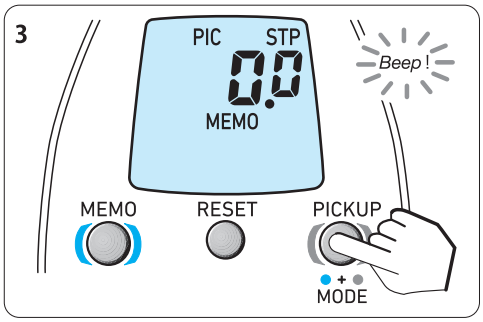
2. Turn it on with the JOG Power Lever.

*The lower counter always functions as the inverse counter.



3. Return to the “water depth” screen by pressing the PICK UP (チョイ止・巻) BUTTON , to complete the setting.

MEMO (底から/棚メモ) appears and the inverse counter is activated.



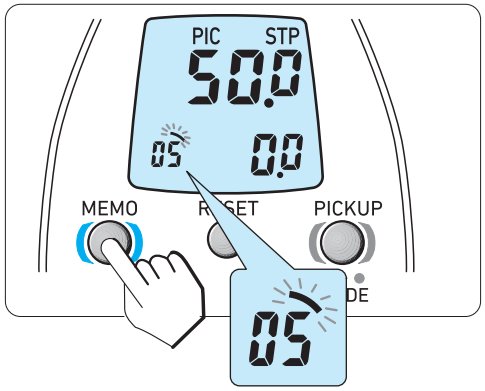
ReelSchematic

Functional setting [10. Chumming Timer]

Chumming Timer

The display shows precisely the time having elapsed every since the rig was dropped. It is very helpful to determine the pace for checking and changing of baits and sinkers.

-The display shows the time having elapsed since lowering of the rig started. You can roughly estimate the timing to chum or collect the rig.
-If you have not pressed the MEMO(船止) BUTTON, the chumming timer automatically starts when the depth counter determined the depth 7.0 m.



*The time is indicated in seconds if the remaining time is less than 60 seconds It is indicated in minutes if the remaining time is not less than 1 minute.
*The timer function may not be reset.

Attention

- If you press the MEMO(船止) BUTTON while chumming is in process, the timer indication will start from 0.0 .

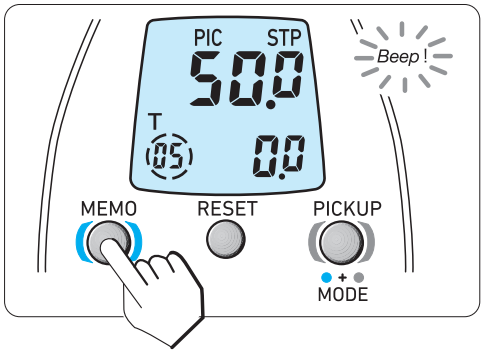
ReelSchematic

Functional setting [11. ChummingTimer Winding]

Chumming Timer Winding

Professional fishing techniques of checking and changing of baits and sinkers for all levels including beginners! Once you have set the waiting time simply, the reel automatically starts winding up. You can enjoy fishing more effectively and easily.

-If you have set the waiting time for a single chumming to 5 minutes, the reel will automatically start winding up at a high speed to allow you to check and change baits and sinkers after the timer started and the preset 5 minutes have passed.
-When the chumming timer winding has been set,
T (タイマー) will be blinking in the display.
When you desire to reset it, set it to 0 (OFF). Then, T (タイマー) will be turned off.
-The preset time can be checked by pressing the MEMO(船止) BUTTON .

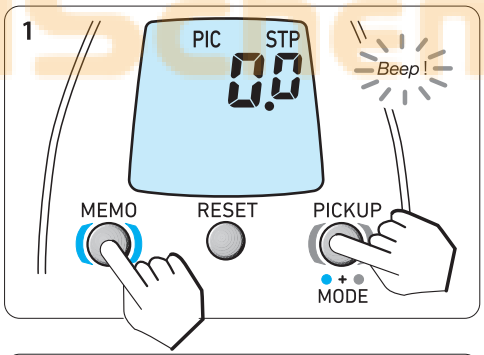


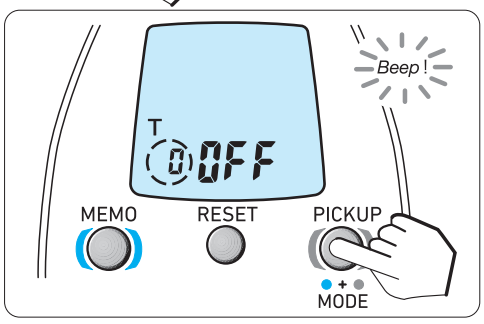
-You can set the chumming timer for winding at any time except while the electrical winding up is active.
*When beginning winding with the chumming timer, press the MEMO(船止) BUTTON .
*Chumming Timer winding is automatically activated when the inverse counter is within the range of ±20m. When beyond ±20m, press the MEMO(船止) BUTTON once.

---

1. Press down the MEMO(船止) BUTTON and the PICKUP(チョイ止・巻) BUTTON simultaneously for 2 seconds to change to the mode screen, and then press the PICKUP(チョイ止・巻) BUTTON to change to the Chumming Timer winding setting screen.

*Refer to “How to Use the Mode Screen” on page 26.
*It is turned off by default.

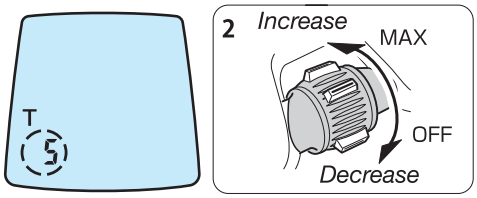




Functional setting [11. ChummingTimer Winding]

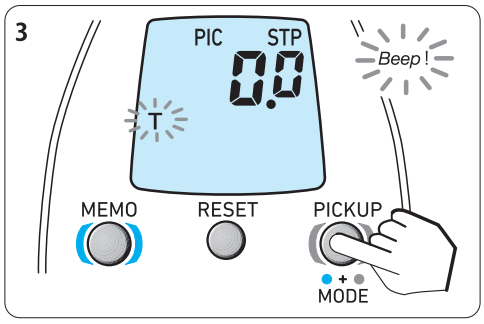
2. Select the waiting time (in minute) for checking and changing of baits and sinkers with the Jog Power Lever.

Turn the Jog Power Lever upward to increase the value. Or, turn it downward to decrease the value.
(In the figure, the waiting time is set to 5 minutes)



3. Press PICK UP (チョイ止・巻) BUTTON .
If the screen returns to the Water Depth screen, then the setting is completed.

The indicator T (タイマー) will light up on the screen.



4. When the set time lapses, it automatically starts winding up the rig at maximum speed.

-An audible alarm will sound before the reel starts winding.

ReelSchematic

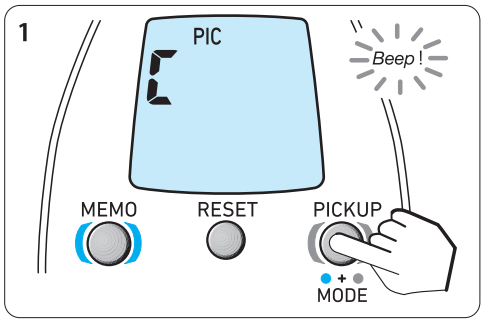
Functional setting [12. Jigging]

Jigging

This function is useful to let the reel control the line so as to slack and jig the line to attract fish. Once you have set up this function, the reel starts jigging when you press the PICKUP (チョイ止・巻) BUTTON . You can adjust the jigging speed by using the Jog Power Lever.

1. Press down the MEMO (船止) BUTTON and the PICKUP (チョイ止・巻) BUTTON simultaneously for 2 seconds to change to the Pickup/Jigging screen.

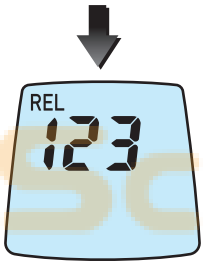
*While it is set to REL (シャクリ), PIC is not displayed. (You cannot set pickup.)



(Pickup/Jigging)

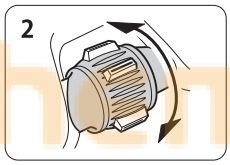
2. Jigging pattern is selected with the Jog power lever.

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



(Jigging Patterns)

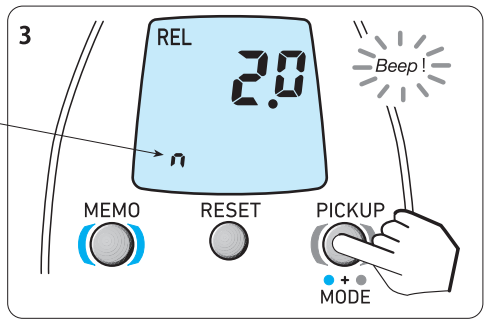
Using the JOG Power Lever



PICKUP 開關

3. Move to the next screen by pressing the PICKUP (チョイ止・巻) BUTTON, to complete the setting.

*"∩" displayed on the lower left of the screen means "length".



(Jigging length)

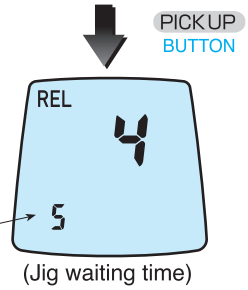
ReelSchematic

Functional setting [12. Jigging]

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

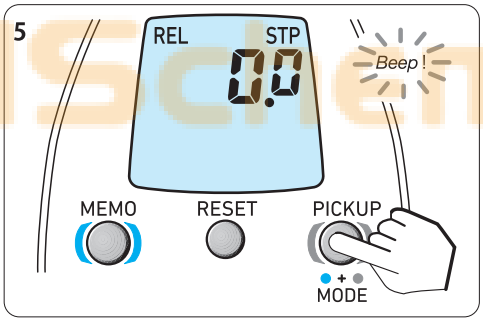
-Press the PICK UP (チョイ止・巻) BUTTON while on the jigging setting screen to complete the setting, and the screen returns to show water depth, restarting the jigging.

*「S」displayed on the lower left of the screen represents “S” (second). (It is not the number “5”.)



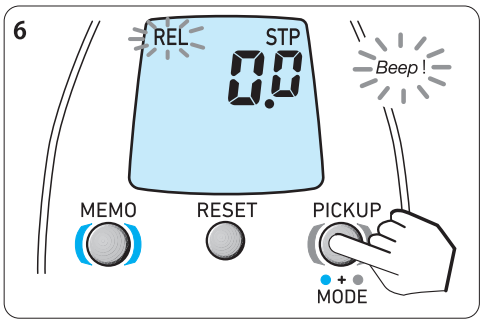
*「H」displayed on the lower left of the screen represents “range”.

5. Hold down the PICK UP (チョイ止・巻) BUTTON switch to fast-forward the screens and to return to the water depth screen.



6. Set the speed with the JOG Power Lever after pressing the PICK UP (チョイ止・巻) BUTTON, to start jigging.

- REL (シャクリ) appears on the screen. (REL (シャクリ) blinks while winding.)
-Adjust the jigging speed with the Power Lever.
-To stop jigging, press the PICK UP (チョイ止・巻) BUTTON while jigging.



ReelSchematic

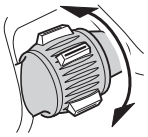
Functional setting [13. Jigging master]

Jigging master

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

-The jigging starts by pressing the PICK UP (チョイ止・巻) BUTTON, and the LCD screen shows a blinking REL (シャクリ) sign. (Jigging is canceled by pressing it once again.) Set it at your preferred jigging speed with the JOG Power Lever.
-The jigging speed can be easily changed just by operating the Lever.
-Even if a fish is caught while jigging, the jigging function can be canceled just by turning the Lever back to the position closest to you (OFF), and then it resumes normal winding by tilting the Lever forward again.
*See “How to Use the Mode Screen” on page 26 to bring up the jigging screen.

Using the JOG Power Lever





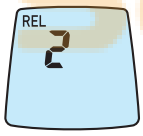
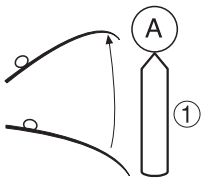
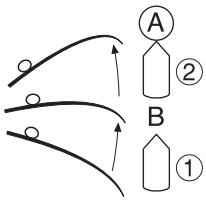
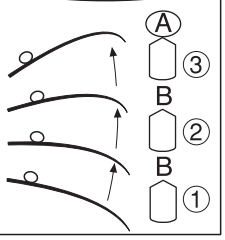
(Default setting: Master jigging)

PICK UP BUTTON

Select Jigging

1. Jigging pattern

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

Master jigging	One-step jigging	Two-step jigging	Three-step jigging
			
Master jigging (123) is the method in which the number of jigging steps is selected automatically by the computer.			

*The figure seems to be indicating that the rod is making the jigging action, but in fact, the reel’s winding causes the jigging action.

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.

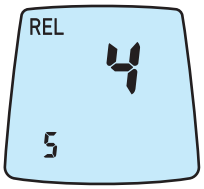


(Default Setting: 2 m)

PICK UP BUTTON

Functional setting [13. Jigging master]

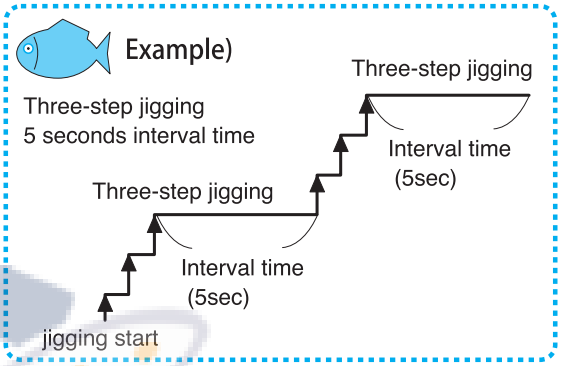
3. Waiting time (Seconds)



(Default Setting: 4 seconds)

PICK UP BUTTON

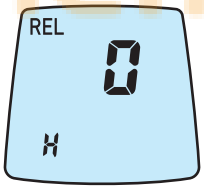
The interval (a waiting time) between jigging actions can be selected.
*The interval can be set by second.



Attention

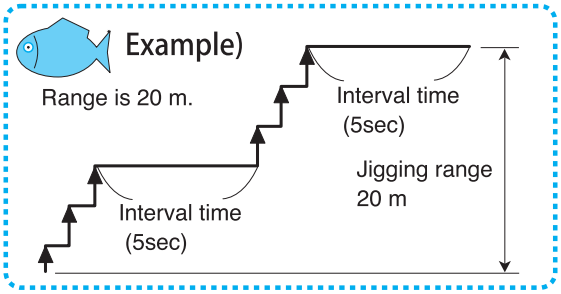
If the time preset to "chumming timer winding time" is shorter than the jigging time (in seconds), then the chumming timer setting takes priority to wind up the line.

4. Jigging range



(Default Setting: 0)

The range of jigging can be selected.
*The range can be set by meter.
*When the range is set at 0, jigging continues until the rig reaches the boat edge stop position.
*When a range is set, jigging continues only within that range.



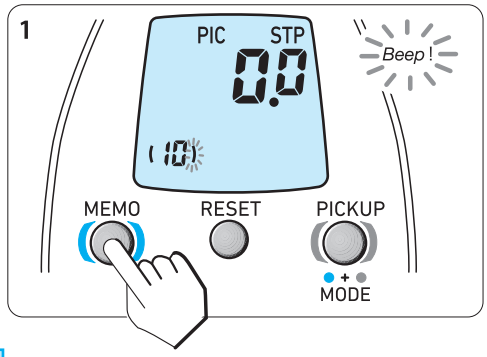
Functional setting [14.Winding-up at Constant Speed Mode]

Winding-up at Constant Speed Mode

It is normal that the winding speed decreases as the load on the real increases. The Winding-up at Constant Speed Mode, however, allows winding at the preset speed regardless of the load on the reel.
*The state of the water or the movement of fish may affect the stability of its performance. If it becomes unstable, deactivate the mode.

1. To set the Winding-up at Constant Speed Mode, press down the MEMO (船止) BUTTON for 2 seconds during automatic winding.

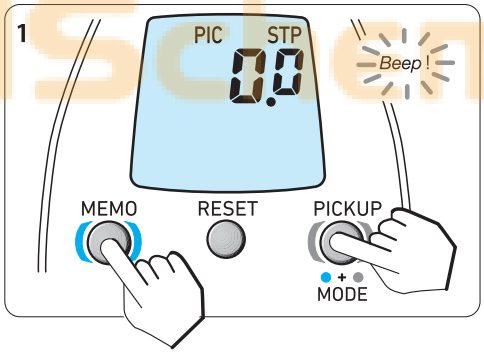
*Regardless of the load on the reel, the automatic winding is kept at a constant speed.
*An alarm goes off and the outer frame around the preset winding value blinks alternately.
*The Winding-up at Constant Speed Mode can be deactivated by pressing the MEMO (船止) BUTTON or by operating the JOG Power Lever. Please note that deactivation with the JOG Power Lever may cause a time lag.



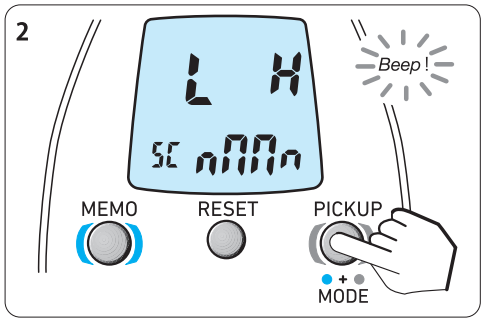
■ How to Change the Motor Output

The motor output can be changed in five different patterns.

1. Press down the MEMO (船止) BUTTON and the PICKUP (ﾁｮｲ止･巻) BUTTON simultaneously for 2 seconds.



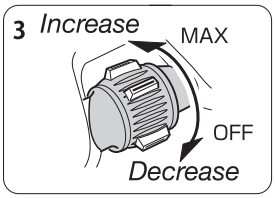
2. Display the Winding-up at Constant Speed Mode screen by pressing the PICKUP (ﾁｮｲ止･巻) BUTTON .



(Default Setting)

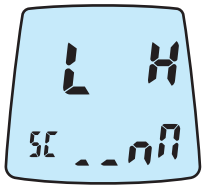
Functional setting [14.Winding-up at Constant Speed Mode]

3. Operate the JOG Power Lever to change the motor output.



· To expand motor output fluctuations (for quicker control)

*When using a thicker leader, for fast-moving fish.
-When angling by winding the rig automatically, this way allows you to respond more quickly to changes in the tidal current, etc.



· To reduce motor output fluctuations (for slower control)

*When using a thinner leader, for sensitive fish
-When angling by winding the rig automatically, this way allows you to respond more slowly to changes in the tidal current, etc.

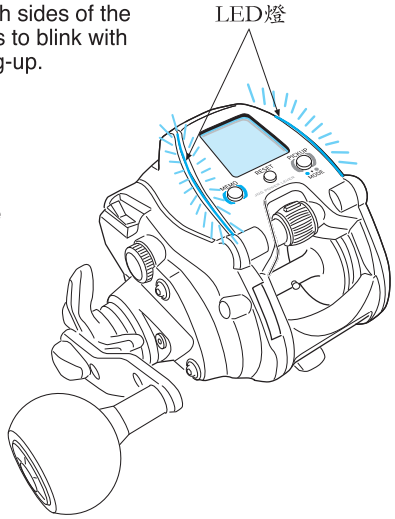


ReelSchematic

Functional setting [15.LED ON·OFF]

When the reel is powered on, LED indicators at both sides of the IC counter will be lit. You can set the LED indicators to blink with beeps every 10 m of your line during power winding-up.

LED is set to ON by default ((1) as shown below).
If you desire to change the setting, go to the menu screen and select one from the following three alternatives.
*See pages 26 and 27 for the details on how to use the menu screen.



*LED can be set between three alternatives as follows.

	IC counter indication	LED indicators at both sides of IC counter	LED indicators blinking with beeps every 10 m of your line during winding-up	
(1)		ON	OFF	* Default
(2)		OFF	ON	
(3)		OFF	OFF	

ReelSchematic

Functional setting [16. Display recalibration]

Display revision

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

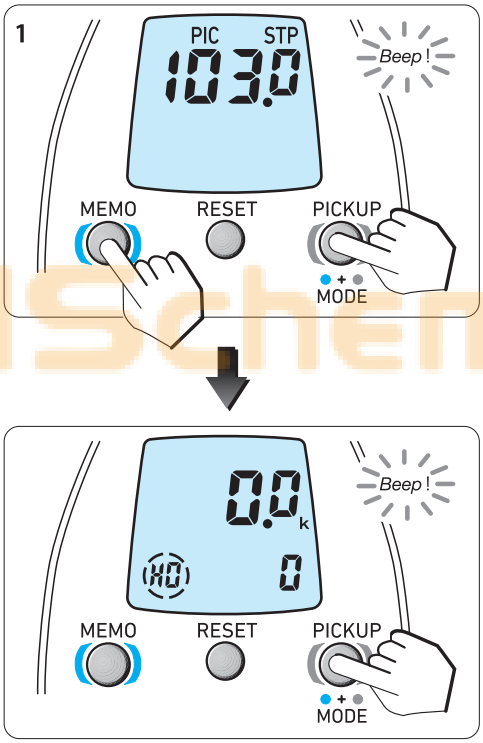
Use

You can recalibrate the counter while you are fishing!

(Example)
To recalibrate the counter to 100 m to comply with the depth identified as just 100 m by the color of the line, though the counter shows 103 m.

1. Press down the MEMO (船止) BUTTON and the PICKUP (チョイ止・巻) BUTTON simultaneously for 2 seconds to change to the mode screen, and then press the PICKUP (チョイ止・巻) BUTTON to change to the fishing history (actual time you fished and the total length wound) screen.

*Refer to “How to Use the Mode Screen” on pages 26.



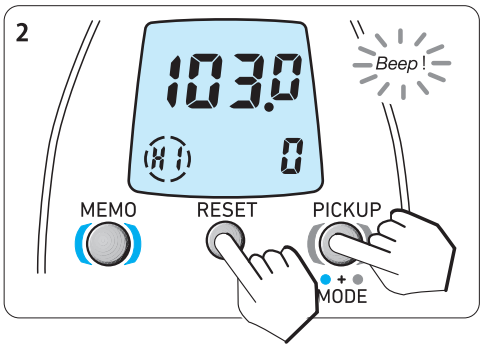
(In the figure, the screen shows 0 hour and 0.0km or it has not been used.)

ReelSchematic

Functional setting [16. Display recalibration]

2. Press RESET(リセット) BUTTON and PICK UP (チョイ止巻) BUTTON at the same time for 2 seconds.
This displays revision display.

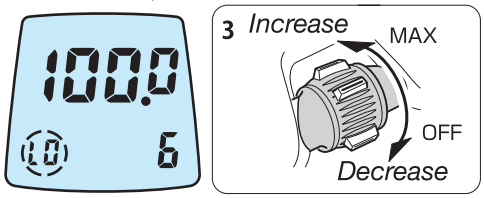
( by default setting)



(Display recalibration)

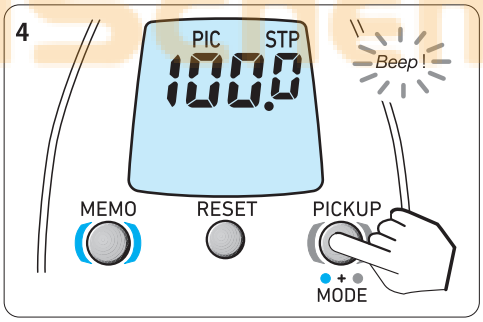
3. Move the power lever to change the display's reading to 100.0.
(Occasionally, for the revision rate, the exact number cannot be attained.)

*If you cannot set it exactly at 100.0, set it at the nearest value.



4. After 100.0 is reached, then press the PICK UP (チョイ止巻) BUTTON to return to depth display.

*After a display recalibration, the inverse counter disappears. Thus, press it one more time when you are going to use it.
*Pressing the RESET(リセット) BUTTON on the correction screen allows you to retain the display prior the correction
(default value of HI O.)

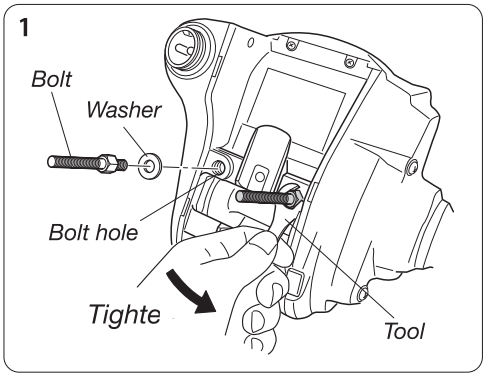


(Sold separately)

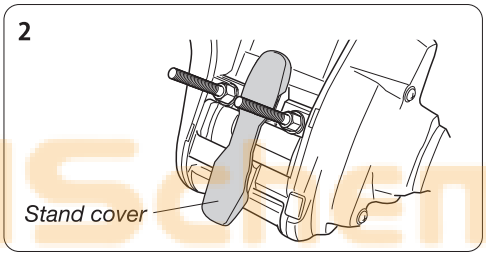
Functional setting [17. How to fix the rod with clamp]

When using a metallic bat or for a heavy-load fishing, use our separately-sold Rod Clamp.
(*This Rod Clamp can be attached to a bat with a diameter between 18 and 25 mm.)
To place an order of this Rod Clamp, contact the distributor where you purchased the electric reel.

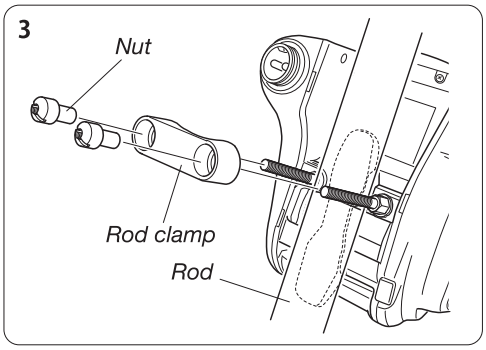
1. Place a washer between the frame and the bolt and then tighten the bolt to fix it.



2. Mount the stand cover (See page 13).



2. Position the reel on the rod. Place the rod clamp on the rod to hold the reel to the rod. Tighten the nuts on both ends of the clamp using a coin or others so that the reel is firmly fixed onto your rod.



Attention

-For a rod with a plastic reel-seat, the reel seat section may be damaged if it is tightened too much with nuts.
Ensure that the bolts are fully fixed with rod clamp and nuts. Fishing with a rod fixed only with bolts uncovered may cause a cut on your hand by the threading section.

ReelSchematic

Functional setting [18. Other useful functions]

Various alarms

Many kinds of information are indicated by audible alarms such as auto stop alarm and range memory alarm.

Jog Power Lever alarm

-When you place the Jog Power Lever at MAX or OFF position, an alarm beeps to tell you its position.

Auto stop alarm

-While winding up, an alarm shortly beeps starting 6 m below the auto stop point, at two meter intervals, to tell you that the rig is coming closer to the auto stop point. When it reached the auto stop point, an alarm sounds for longer.

Range memory alarm

-While lowering your rig back into the strike zone, an alarm shortly beeps starting 10 m above the memorized depth range of the strike zone, at 2 m intervals, to tell you that the rig is reaching closer to the strike zone. When the rig reached the strike zone, an alarm sounds for longer.

*This zone memory alarm is designed not to sound unless the line has been wound more than 6 m above the memorized depth and the line is fed again for the purpose of preventing the alarm from frequently sounding while seeking the strike zone.

Switch alarm

-Each time a button is pressed, a beep is sounded to allow you to confirm that you have surely pressed a button (You can set this alarm to OFF in the setting of functions from the Mode screen).

Excessive voltage alarm

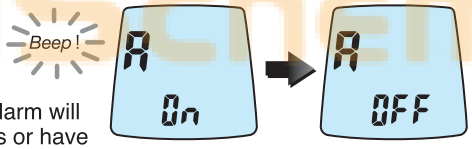
-If you connected a power source with a voltage higher than the acceptable range, a continuous alarm will sound to warn you to stop operation. DO NOT operate the reel with such battery.

Timer winding alarm

-This alarm sounds to tell you before starting a chumming timer winding.

Alarm sound ON/OFF setting

You can set the alarm sound to OFF.

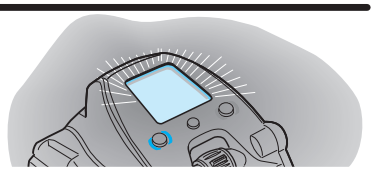


-It is set to ON by default.
-Once the alarm sound has been set to OFF, the alarm will no longer sound even if you have pressed buttons or have used the power lever for operation.

1.Select “Alarm sound” in the Mode screen.
*Refer to “How to Use the Mode Screen” on pages 26.
2.Select OFF with the Jog Power Lever.
3.Press PICK UP (チョイ止・巻) BUTTON. If the screen returns to the Water Depth screen, then the setting is completed.

Counter lamp

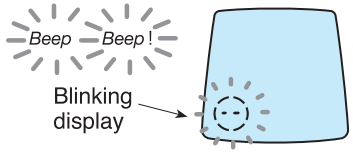
The lamp built in the counter always lights up.



-While the reel is powered ON, backlighting of the display always provides easier reading for fishing in the dark.

Circuit breaker display

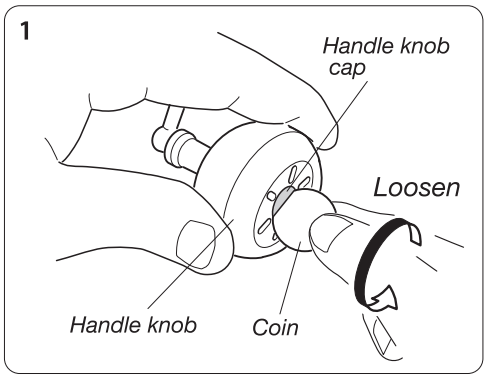
-For safety fishing, the circuit breaker is tripped by an overload onto the reel to stop electrical winding for 15 seconds. While the circuit breaker is tripped, it is displayed as shown in the figure.



Functional setting [19. How to remove the handle knob]

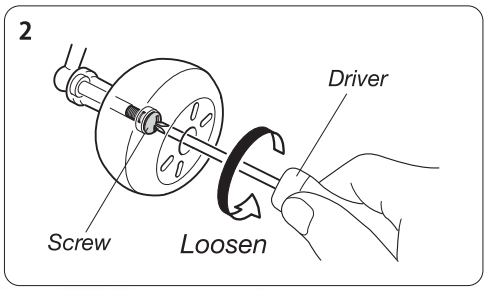
1. Holding the handle knob with your hand, loosen the handle knob cap by turning it counter-clockwise to loosen using a tool and remove it.

*Be sure to fit a tool kits properly onto the groove on the handle knob cap before turning it. Otherwise, the handle knob cap will be damaged while turning it.

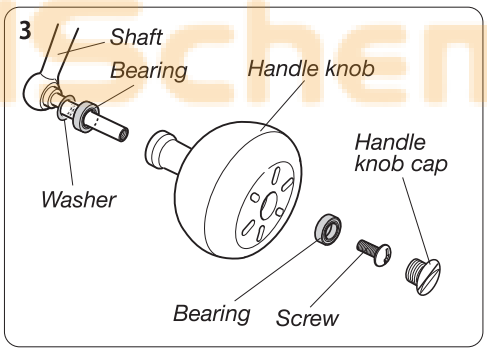


2. Loosen and remove the screw fixed inside of the knob using a screw driver.

*Note that the screw is coated with a slack preventing agent and it is hardly loosened. Be careful not to damage the screw head.



3. The handle knob is composed of as shown in the figure.



ReelSchematic

Reel Specifications

Reel Specification list

SEABORG 300JL

Product name			00810005
Gear ratio(manual winding)			4.7 : 1
Weight (g)			635
Max Drag power (kg)			12
Line Capacity (m) *"Bright" refers to our product "Tana Sensor Bright (PE)".	Bright (model-m)	2	700
		3	400
		4	300
		5	230
	Nylon (lb-m)	5	280
		6	200
Number of ball bearings (Balls/rollers)			13/1
Power-supply voltage			DC12 V to16.8 V
Maximum winding power *1 (Kg)			47
Normal winding speed (with 1kg load) *2(m/min)			145
AFS standard winding power *3(Kg)			12
JAFS standard winding speed *3(m/min)			205
Current (A)	No load		3
	Stall		5
	Max		20
Speed shifting	No load		0 to 205 m / min (continuous shifting)
Compatible battery			DAIWA Super Lithium Series

*1:Maximum winding power: Reference value of shaft torque at supply voltage 13V （Kg＝Kgf- cm）
*2:Normal winding speed: Average winding speed of 100 m line with 1kg load at supply voltage 13V
*3:JAFS standard winding speed / winding speed = Regulation of JFTMA (Japan Fishing Tackle Manufacturer's Association), actual measurement value at supply voltage 13V.
*4:Precautions before use of cordless battery:
Under conditions of high load due to using weights heavier than No.100 or fishing blue fish, instantaneous current consumption of the reel may become large. So, the battery protection circuit (breaker) will be triggered and the reel may not work temporally.

Counter display

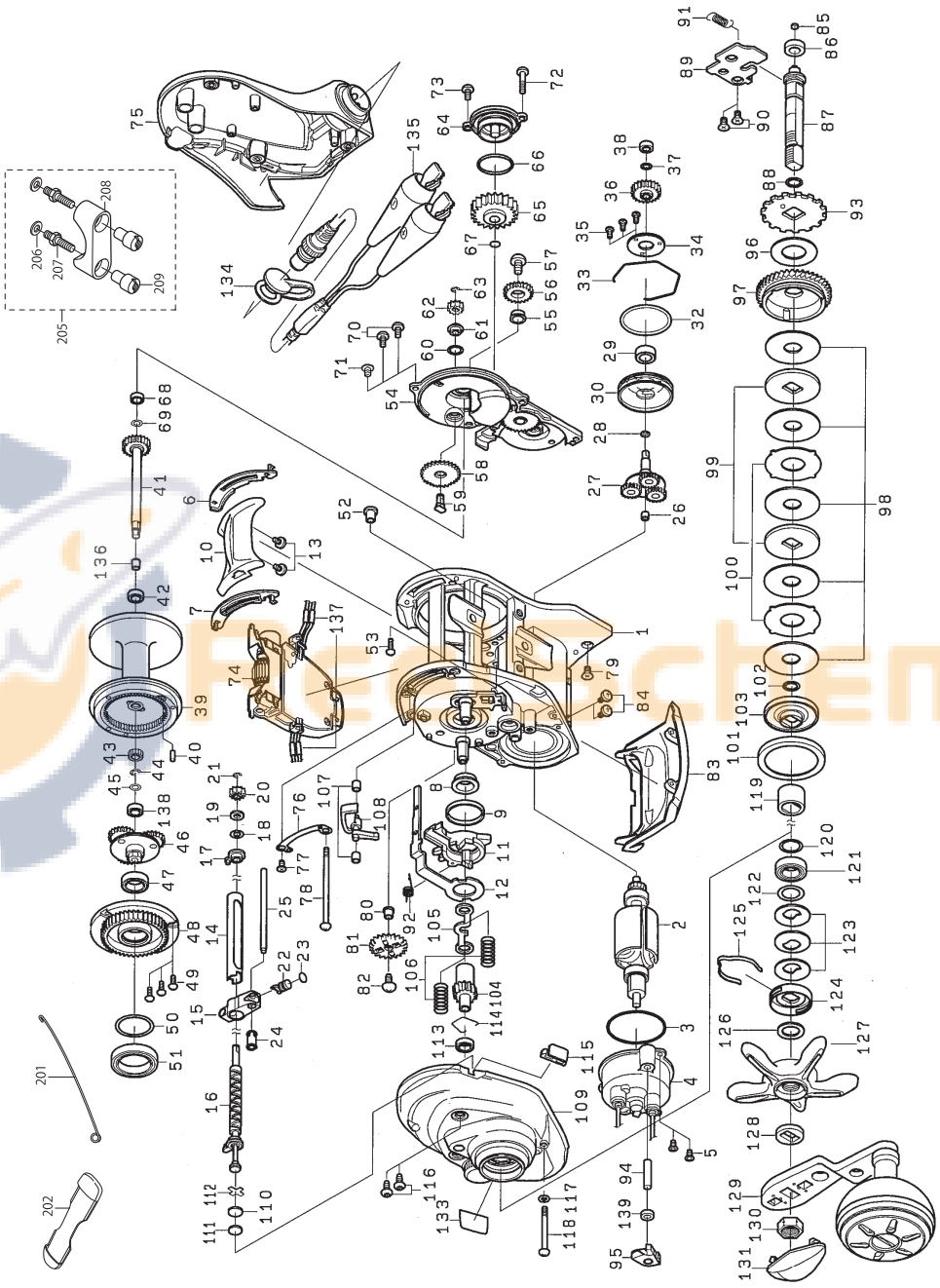
Depth display range	Upper counter: 0.0 to 999.9 m Lower counter: - 99.9 m to 999.9 m
Usable temp. range	-10 to +60 (degrees centigrade)

*The specifications are subject to change without prior notice for product improvement.

ReelSchematic

Parts List

SEABORG 300JL



Parts List

SEABORG 300JL

No,	Parts Name	No,	Parts Name	No,	Parts Name
1	FRAME AS S	51	BALL BEARING	100	WASHER
2	ROTOR UN	52	COLLAR	101	PACKING
3	O-RING	53	SCREW	102	O-RING
4	MOTOR HOLDER UN	54	SET PLATE AS	103	COLLAR
5	SCREW	55	COLLAR	104	PINION
6	PLATE(R)	56	GEAR	105	CLUTCH PLATE
7	PLATE(L)	57	SCREW	106	SPRING
8	BEARING	58	GEAR	107	COLLAR
9	COLLAR	59	RIVET	108	LEVER AS
10	CLUTCH BAR	60	WASHER	109	SIDE PLATE(L) AS
11	CLUTCH CAM	61	COLLAR	110	WASHER
12	CLUTCH CAM PLATE	62	GEAR	111	WASHER
13	SCREW	63	RETAINER	112	WASHER
14	PIPE	64	PLATE AS	113	BALL BEARING
15	LEVEL WIND	65	GEAR AS	114	RING
16	WORM SHAFT AS	66	O-RING	115	LINE STOPPER
17	COLLAR	67	WASHER	116	SCREW
18	WASHER	68	BALL BEARING	117	WASHER
19	WASHER	69	WASHER	118	SCREW
20	GEAR	70	SCREW	119	COLLAR
21	RETAINER	71	SCREW	120	WASHER
22	LEVEL WIND PIN	72	SCREW	121	BALL BEARING
23	WASHER	73	SCREW	122	WASHER
24	COLLAR	74	COUNTER AS	123	SPRING WASHER
25	PILLAR	75	SIDE PLATE(R) AS	124	CAP AS
26	BEARING	76	PLATE	125	LEAF SPRING
27	METAL AS	77	PAN SCREW	126	WASHER
28	O-RING	78	PAN SCREW	127	STAR DRAG
29	BALL BEARING	79	SCREW	128	COLLAR
30	PLATE	80	COLLAR	129	HANDLE AS
32	O-RING	81	GEAR AS	130	NUT
33	RING	82	TRUSS SCREW	131	CAP
34	PLATE	83	FINGER COVER	133	NAME PLATE
35	SCREW	84	PAN HEAD TAPPING	134	CAP
36	GEAR	85	WASHER	135	CORD
37	WASHER	86	BEARING	136	COLLAR
38	BALL BEARING	87	GEAR SHAFT	137	TUBE
39	SPOOL AS	88	O-RING	138	BALL BEARING
40	PIN	89	PLATE	139	COLLAR
41	MAIN SHAFT AS	90	SCREW	200	REEL BAG L
42	BALL BEARING	91	SPRING	201	LINE THROUGH
43	GEAR	92	SPRING	202	FRAME COVER
44	RETAINER	93	RATCHET	203	STICKER
45	WASHER	94	PIN	204	MANUAL
46	METAL AS	95	STOPPER AS		
47	BALL BEARING	96	WASHER		
48	PLATE	97	DRIVE GEAR		
49	SCREW	98	WASHER		
50	WASHER	99	WASHER		

*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.

ReelSchematic

Trouble shooting

Symptom	Possible causes	To do	Ref. page
Motor does not respond to the power lever.	The counter displays 00.0 m.	It is a normal function to avoid over winding. Pressing the RESET(リセット) BUTTON prepares it to wind up.	P.31
	Did not pull the lever to OFF position.	Pull the lever to OFF and then move forward again to start winding.	P.13
	Unstable power source.	Use another power source, such as electric reel specific batteries.	P.9
Counter display does not appear.	Battery charge is low.	Recharge the battery.	P.9
	Cord worn or corroded.	Replace the cord.	P.3
	Incorrect battery connection.	Reconnect it correctly.	P.8
Inverse counter does not appear.	Did not press MEMO(船止) BUTTON.	It is normal. Press the MEMO(船止) BUTTON. (The inverse counter will not be displayed unless the switch is pressed.)	P.35-37
	The inverse counter is set to All-OFF.	Turn on or off the inverse counter while the Mode screen is displayed.	
Auto stop function does not work.	Did not press RESET(リセット) BUTTON at surface.	Set the surface depth to zero after setting rig.	P.29
	Error for sinker weight or rocking of the boat.	Adjust settings of auto stop function.	P.30,31
	Line is elongated.	Reset the depth counter at the surface.	P.30,31
There are counter errors.	Line length has increased due to stretching.	Re-enter line data.	P.16-25
		Recalibrate the water depth.	P.49,50
	Line was wound while powered off during fishing.	Re-enter line data.	P.16-25
	RESET(リセット) BUTTON was pressed and held while feeding the line.	Re-enter line data.	
	Correction was made largely.	Release correction.	P.49,50
Turning on the clutch while the line is fed (the motor is in operation) causes the line to catch in the reel.	If your terminal rig is too light or line feeding power is too much, your line may be over-wound.	It does not affect the performance of the reel, but if you are bothered, please turn off the line feeding function.	P.32
Pickup does not respond.	Speed setting is at zero.	Go to the Mode screen to set the Jigging again.	P.33
Jigging function does not respond.	Power lever is at OFF.	Set the jigging speed with the Jog Power Lever.	P.41-44
	Pickup mode is selected.	Go to the Mode screen to set the Jigging.	

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

アフターサービスについて

本製品は当社の厳重な検査を経て出荷されたものですが、万一、故障が生じ修理が必要な場合、あるいは部品御注文の際はお買い求めの販売店、または下記のお客様センターまでお問い合わせください。なお、修理品は部品代のほか手数料をいただきますのでご了承ください。

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TEL　0120-506-204

受付時間：9:00～17:00　（土・日・祝祭日は除く）

ホームページ上からもご確認、お問い合わせできます

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