

# INSTRUCTION MANUAL

## *High Technology Electric Reel* **KAIGEN500TM**

Thank you for buying electric reel of BANAX.

Please be aware of the instructions before use, and we ask you to use it according to the safe and correct method of instructions.

Also please keep this manual with reel because this includes very important details about the reel use.

### CONTENTS

1. Attention of safety	----- P1	6. Control box	----- P7	8. Operation method		* Shelf mode	----- P21~22
2. Attention of handling	----- P2~3	7. Preparation before use		* Auto-stop in the side of boat	----- P15~16	* Low mode	----- P23~24
3. Handling method of reel	----- P4	* Power supply connection method	----- P8	* Setting-up the surface of water	----- P17~18	* Correction of original line cut	----- P25
4. Main function & feature	----- P5	* Fishing line data input method	----- P9~14	* Fishing line delivery function	----- P19	9. Safety function	----- P26~27
5. Each part's name & function	----- P6			* Automatic winding & the change of speed	----- P20	10. When fault is doubtful	----- P28
						11. Part list	----- P29~30

# ATTENTION OF SAFETY

Please read certainly before use

## Warning



- Please take care that the finger would not be got between level wind and main body.

## Attention



- Please don't hold the fishing line during it is untying fast, You may get your finger cut by fishing line.
- Please don't use the reel for the other use except the fishing.
- Stain clothes etc. because grease and gasoline were added for the turning segment of reel.  
Please take care not to be.



- Please do not touch the revolving parts during the rolling of reel. You may get the wound.
- Push on/off switch after you check if the stopper's position is "on" or not.



- Do not disassemble / convert the reel.  
That can be the reason of mechanical trouble.



- Use only the battery, designated voltage.  
You can get burned from calorification in case that you use others except the designated.



- When the reel is soaked into the water, please do not wash it.

## 2

## Attention of handling

### 1 Regarding power supply

Power supply is D.C 12V (exclusive use). It's not available for you to use others (A.C 110V or 220V for home, D.C24V for ship) except the designated power supply.

- Low volume battery can not show the electric reel's capacity normally owing to the sudden drop of electric pressure. We advise you to use the battery over 1000mAh.
- Because 12V power supply have a occasion that the voltage is unstable according to the state of wiring or generator, normal performance is impossible because the protection channel of this occasion reel operates or there is occasion that operation is suspended. Please use the exclusive battery only for electric reel.
- Please use fully charged battery.
- Because applying an electric current badness happens by rust etc.of terminal, there is normally malfunctioned. After cleans cleanly or removes the rust in case of rust etc. Please use.



DC 12V  
(1000mAh)



AC 110V, 220V



DC 24V

● Please confirm below list before leaving ●

- If the battery leave alone for a long time, it is possible that natural discharge can lower the capacity. Before leaving , the battery is certainly charged.
- In power supply of boat, there is an occasion that use is impossible by connecting terminal shape etc. We'll encourage something to confirm before use.

## Attention of handling

### 2 Regarding power supply cord

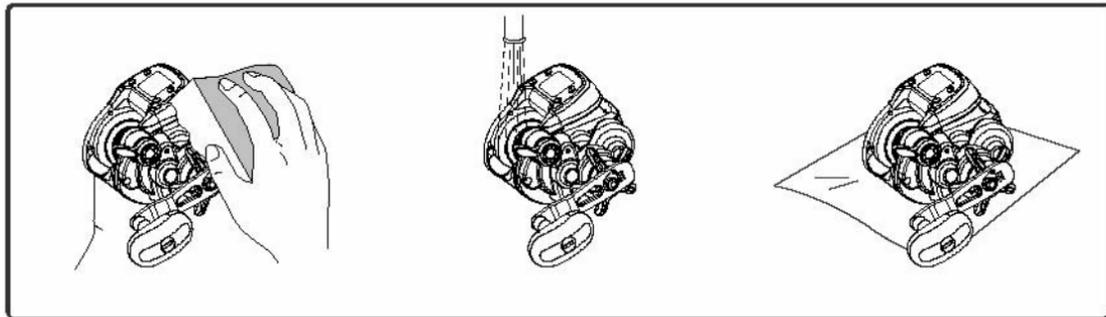
- Connection of power certainly uses supply cord that is enclosed with reel in package box.
- If you remodel supply cord connection etc. except pure attachment, reel can malfunction normally when use supply cord.
- You don't handle violently sources of electricity cord.  
If you wind it disorderly on the reels or step it or fold and bend it, those actions can cause failure such as a disconnection.
- After using, clean the contaminated parts with a soft towel which is wet with water and dry and keep it.  
(Don't wash under the water.)
- When you need to pull out the cord, certainly have to seize connector parts.

### 3 Regarding reel's main body

- In case the fishing line is hooked a obstacle on the bottom, you don't pull the fishing rod or reel by constraint.
- Please handle carefully in order not to get a shock such as falling.
- When setting up fishing rod holder, please observe especially not to be shocked to back of reel and supply cord.

3

## Handling method of reel



**1** Please clean the contaminated parts of reel's body with a sponge or towel which is wet with a detergent.

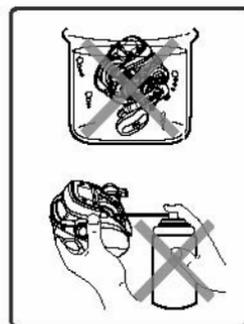
**2** Remove a detergent and contaminated material by spraying water. Remove also the salt on the spool part by spraying water.

**3** After removing the moisture, dry it in the shade.



### Attention

- Please use a neutral detergent.
- Please do not wash reels under the water.
- In case of leaving alone a humid place, this can cause modification or quality deterioration. After washing, keep it in the air and high temperature and dry place.
- Never oil in the drag part. This can cause power deterioration or trouble.
- Please put on connector cap, when you do not use for connector protection.

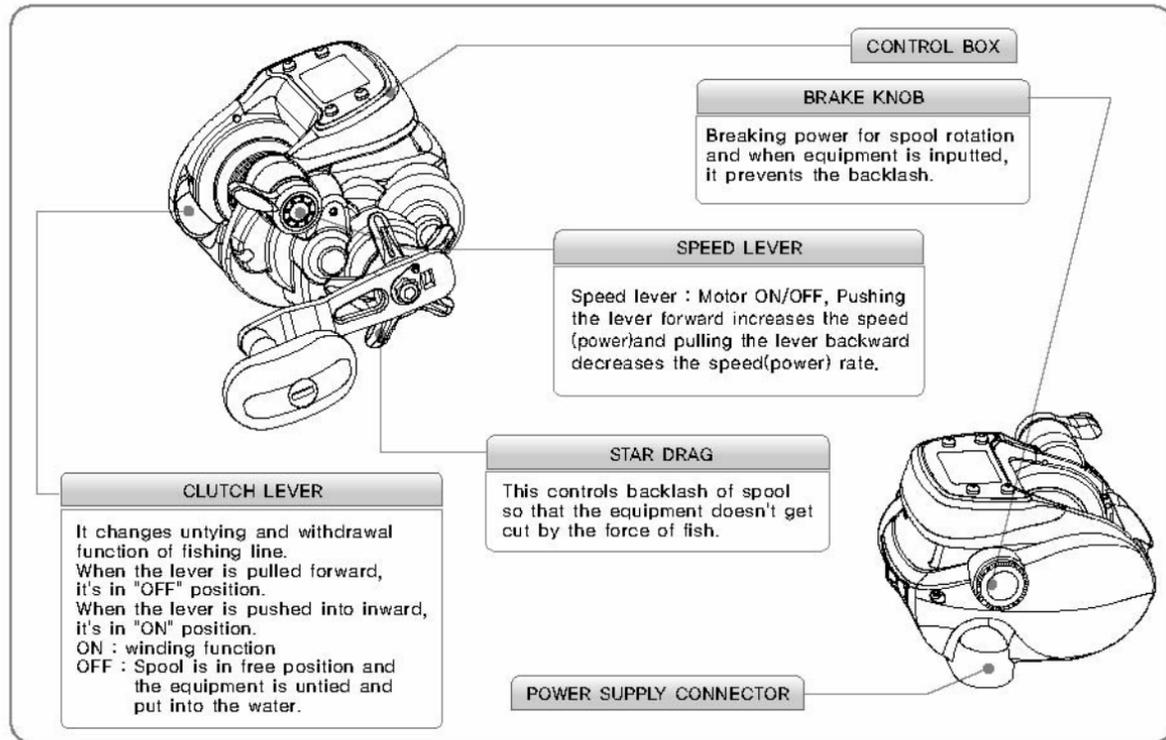


## Primary function and characteristics

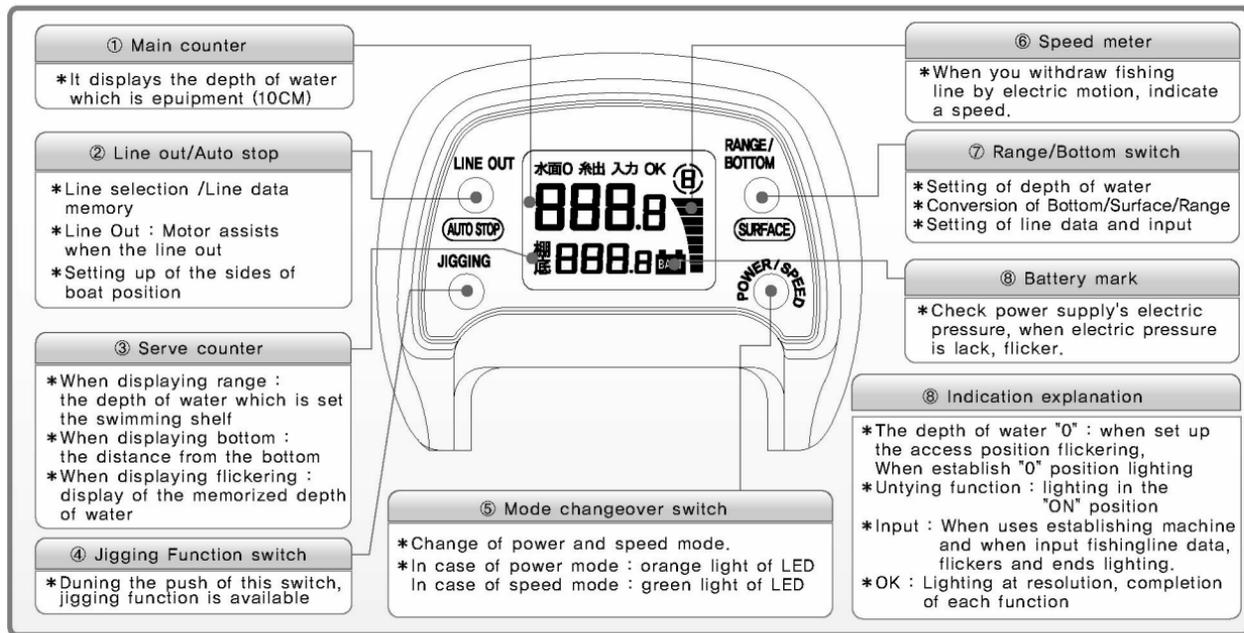
Speed lever	Available to power on/off and speed(power) control,line winding
Perfect drag	Soft adjustment / Power / Adoption of durable carbon material
Programmable jigging function	motor rotates during the push of the switch, Easy to release the line perm and allure the fish.
Auto stop in the side of boat	It's possible to adjust a stop point with fishing equipment
Economic line capacity system	After winding mono line on the spool first as much as you want , you can wind the braid line economically.
Setting up the surface of water	According to set-up "0"m in the surface of water, this is possible to set exact capture the depth of water.
Release of the fishing line	It's possible to input the equipment to the wanted place more quickly with the motor helping the spool's rotation
Establishment of the shelf	When inputting your equipment, the alarming function let you know by the memorizing the depth of water which fish caught.
Memory of auto swimming shelf	It's possible to set up and confirm the swimming shelf that the fish bited
Bottom mode	Displaying the equipment's position from the bottom
Correction of original line cut	It's possible to correct the fishing line data when fishing line is cut during the fishing
Change of retrieve mode	Using the Power mode against the big fish and Speed mode against the collecting a equipment.

5

## Each part's name & function



## Each part's description of control box



### Attention

- ① It displays a liquid crystal screen with lighting in the picture for explanation.
- ② In the counter indication , below  $-10^{\circ}\text{C}$  ~ over  $60^{\circ}\text{C}$ , there is a difficulty in interpretation because of liquid crystal special characteristic. Please know well this point.

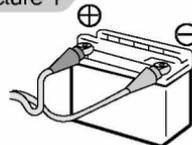
## 7

## Preparation before use

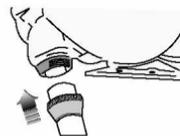
## Power supply connecting method

- ❶ Please connect power supply's clip in battery.  
Connect plus terminal – red clip and minus terminal – black clip (refer to picture1)
  - ❷ Put in deeply and assemble the power supply's "parts and fix it certainly by a nut," (refer to picture 2)
  - ❸ – 1 if it's connected exactly, displayed the initial.
  - ❹ – 2 if fishing line's data is inputted, display like picture 4 after setting screen.
  - In (picture 3) (picture 4), battery mark is flickering but if electric pressure is normal, it will be disappeared in 5 minutes. In the event, battery mark is not disappeared, it is possible to drop the electric pressure. Please exchange it or charge it.
  - In the event of (picture 4 : input completion of fishing line data), it is impossible to wind automatically within the sides of boat stop(5M) for safety. ON/OFF switch does not work.
- \* Indication is established by 5M in case that do not establish a part  
\* If you have signed the depth of water's indication more than 5M, an automatic winding is possible.

Picture 1



Picture 2



Picture 3



Picture 4



Flickering



## Attention

- \* If you connect the power supply again, it works back-up function.
- \* If you connect the power supply within 10 minutes again, setting screen doesn't come up, but there is no problem.

## Preparation before use

### Fishing line data input methods-A

- \* Input a data by winding fishing line on the reel.
- In case of using a inputted fishing line data.
  - \* It's prepared 6types of fishing line data on this reel.

PE4-400m PE5-200m PE5-300m PE6-200m PE6-300m PE8-200m

- ① Please knot the fishing line of the spool pin.
- ② Please confirm picture 5's display after power on.  
(when the line data was input, display could be different)
- ③ Push the **Line Out** and the **Range/Bottom** at the same time for 3 seconds.  
It displays like (picture 6).
- ④ Please choose the line number and the length by using the line out switch.  
The screen will be changed every pushing the switch.

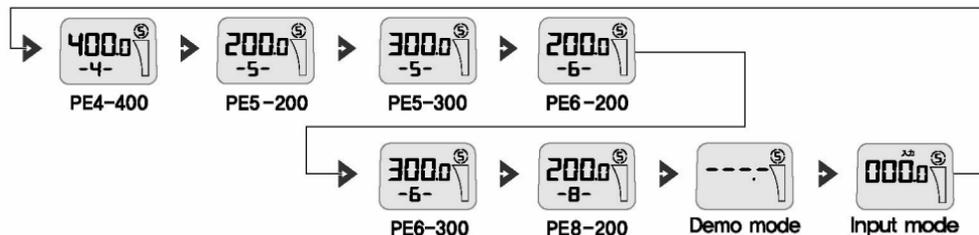
Picture 5



Picture 6



Picture 7



## 7

## Preparation before use

- ⑤ Please use the speed lever and wind the fishline after you confirm whether fishline to be wound and selected fishline.
- ⑥ The motor is automatically stopped in front of selected fishline's 15M. After the motor is stopped, please wind the rest of line by using jigging function switch or handle.  
(please be careful that the line should not be got into)
- ⑦ When you finish the winding, push the **Range/Bottom** and complete the input.  
The LCD change as below procedure [picture 8]

Picture 8

- In the case of winding PE 6 line 300M.



Winding completion

**Range/Bottom**

Setting screen



The input is completed



## Attention

- ① It displays like picture 6 when the mode is changed as speed mode. (green light)
- ② When you wind the fishing line, you need to give the load of 1.0kg ~1.5kg.
- ③ If you push **Range/Bottom** in demo mode screen, the set up data is gone and display the demo mode. Please start from ground zero.
- ④ If any errors cause during your operation, please push the **Range/Bottom** and finish the working and restart it from the beginning.
- ⑤ Indication of the depth of water is set below  $\pm 3$ , it is possible to happen more than little by the emission range or expansion and contraction.

## Preparation before use

### Fishing line data input method-B

- you can use this in case that you know the type of line and diameter.  
available kind of line & diameter  
PE-4 / PE-5 / PE-6 / PE-8 / Nylon-5 / Nylon-6 / Nylon-7
  - \* you can only input the above kind of line & diameter.
- ① Please knot the fishing line of the spool pin.
  - ② Please confirm that screen with (picture 9) is displayed after Power on.
  - ③ Push the Line Out and the Range/Bottom at the same time for 3 seconds.  
It displays like (picture 10).
  - ④ Push Line Out switch and selects input mode. (refer to picture 7, 11)
  - ⑤ Please Push the jigging function switch and select the type of winding line and diameter or status of the economizing with the extra-line on the spool.  
When you push the switch, the indication on the screen is changed (picture 12).

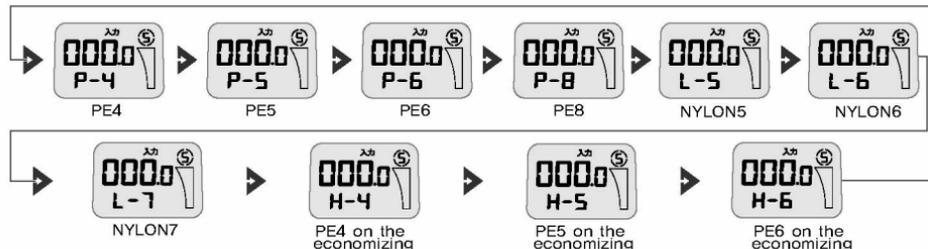
Picture 9



Picture 10



Picture 12



Picture 11



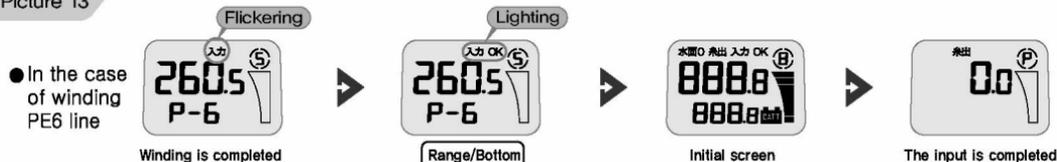
7

## Preparation before use

### Fishing line data input method-B

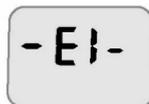
- ⑥ please check if it is the setting line and wind the line by controlling speed lever.
- ⑦ After winding the fishing line, please push the **Range/Bottom** (picture 13).

Picture 13



### Attention

- ① When you wind the fishing line, you need to give the load of 1.0kg~1.5kg.
- ② If any errors come about during your operation, please push the **Range/Bottom** and finish the working and restart it from the beginning.
- ③ Indication of the depth of water is set below  $\pm 3\%$ , It is possible to happen more than little by the emission range or expansion and contraction.
- ④ Display image is just like **-E1-** of error, It is short of winding line, so you have to wind the line more than 50m
- ⑤ When display image shows **-SE-**, the reel has to be repaired. Please contact the shop where you buy.
- ⑥ If display image shows as below during you input the data or complete the input, there may be the fault in your input method or defect in the Reel.



Short of line

• Check the drag position



error of spool's rotation

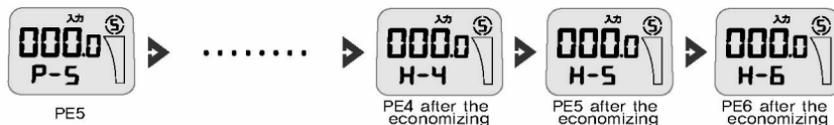
• reset after checking

## Preparation before use

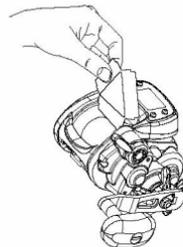
### Fishing line data input method-C

- In the case of the line data input after economizing extra line on the spool,
  - \* The available line input data is PE-4, PE-5, PE-6.
  - \* Please check the location of economizing of the extra line by the use of the indicating card as in the picture 14.
  - \* The line capacity after economizing extra line is about 200m(PE-5 & PE-6), 300m(PE-4).
- ① Tie up the economizing line on the spool through the Level wind.
  - \* Attach the line at Line fixed pin to prevent the sliding.
- ② Wind the economizing line after turning up the power.
  - \* Use the economizing line indicating card and then confirm the location of it comparing main line.
- ③ Tie up the main line after finishing winding of economizing line.
- ④ Push the **Range/Bottom** and **Line Out** switch for 3 seconds at the same time. (It is displayed as picture15)
- ⑤ You can use the input mode through pushing the **Line Out** . (refer to picture 7, 12, 16)
- ⑥ Select the type of line and diameter of line through pushing the **Jigging** . (picture 17)

Picture 17



Picture 14



Picture 15



Picture 16

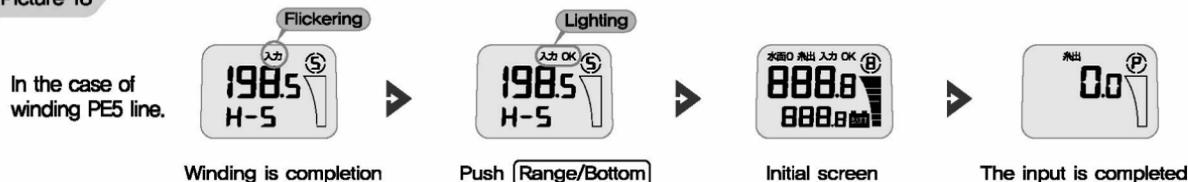


## 7

## Preparation before use

- ⑦ Wind the Line by controlling the Speed lever.
- ⑧ Turn off the Speed lever and finish the line winding and complete inputting the **Range/Bottom** [picture 18].

Picture 18



- \* The number of screen is just for example.
- \* The number could be different in the real situation.



## Attention

- ① When you wind the fishing line, you need to give the load of 1.0kg~1.5kg.
- ② If any errors come about during your operation, please push the **Range/Bottom** and finish the working and restart it form the beginning.
- ③ Indication of the depth of water is set on +3, but it may happen to be error in much range or expansion & contraction.

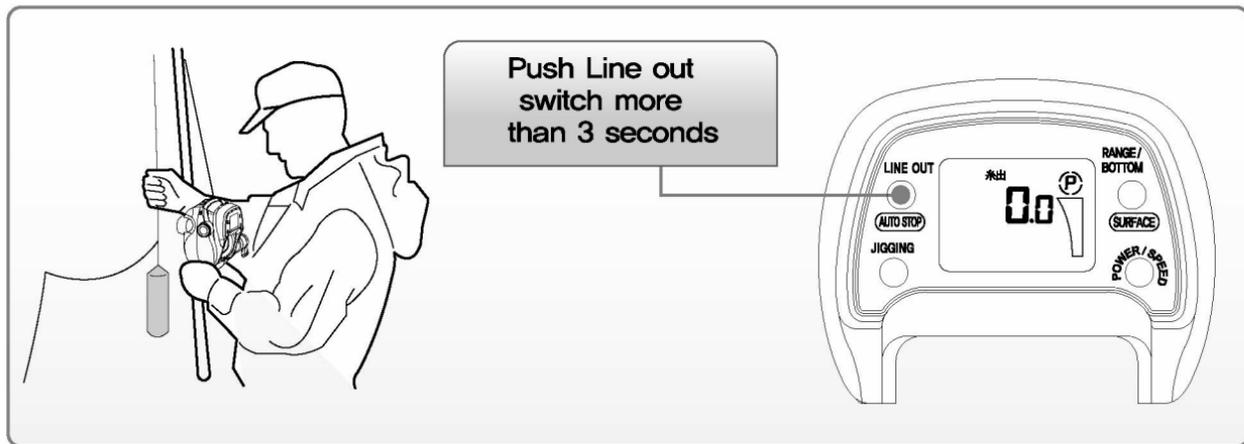
## Operation methods

### 1 The sides of boat's automatic stop

- When you stand up your fishing rods, you need to set up automatic winding function's stop point from hand range to equipment.
- Alarm rings every 1m from the 5m of auto stop.

Operation sequence ① : Connect the power after ready to fishing.

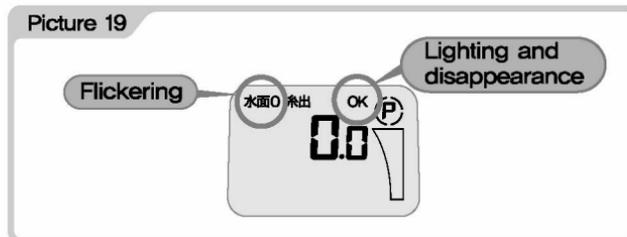
Operation sequence ② : In order to reach within one's hand, adjust the length of fishing line.



## Operation methods

Operation sequence ③ : Push the **Line Out** more than 3 seconds.  
after alarming, if the image is displayed like (picture19),  
that means setting up of stop point is completed

- \* At this time "the depth of water" is flickering. It is possible that "the depth of water" setting up goes ahead.
- \* 'OK' will flickering in 5 seconds.



### Attention

- ❶ If you input the data to your equipment under the undone the sides of boat setting up, the sides of boat stop position is set up 5M.
- ❷ When you finish completion of input by pushing the shooting out switch, displaying image is just like below, it is possible to input methods errors or control box's errors.
- ❸ When don't set (surface of water "0") during flickering, there is no problem even if do fishing with inputting equipment. (Surface of water "0") is deleted automatically because it is more than counter indication 10.0.

## Operation methods

### 2 The surface of water "0" setting up

- In order to search range, you need to set up the surface of the water "0".
- \* When you finish the sides of boat stop point, the surface of the water "o" is flickering in the screen. (refer to picture 20)

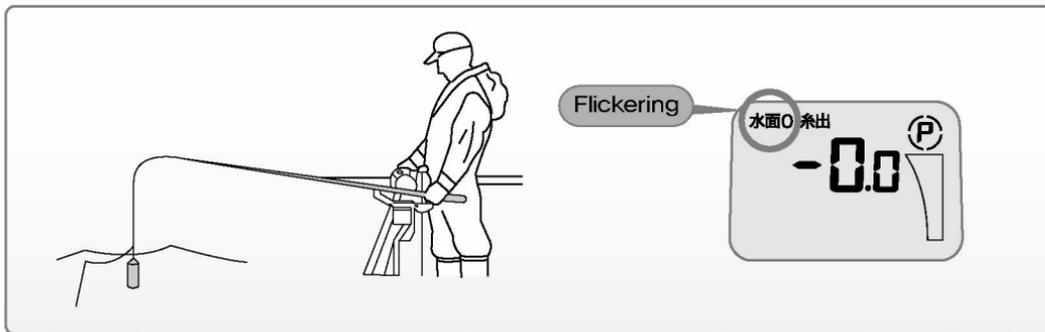
Picture 20

Flickering

水面0 糸出



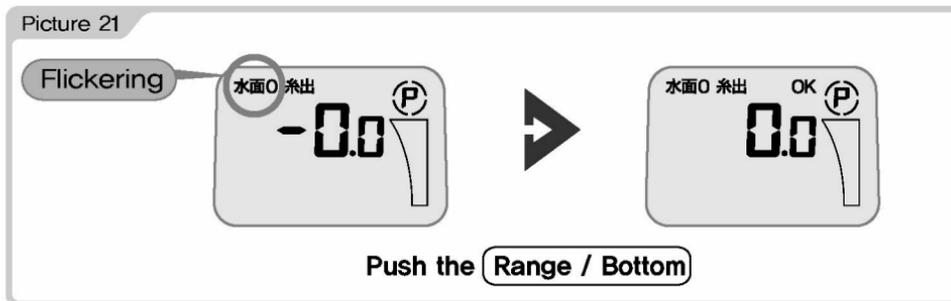
Operation sequence ① : First, you stretch your fishing rods and adjust handle in order to come the surface of the water.  
When you wind the line to the surface of water, the depth of water in the screen shows - 0.0



## Operation methods

Operation sequence ② : Push the **Range/Bottom**. That point is "0"'s position.  
 "the surface of water 0" is flickering and lighting and finally lighting "OK" (Picture 21)

\* "The surface of water 0", "OK" is automatically disappeared because main counter is over 10.0.



### Attention

❶ "The surface of water 0" function is different from "the sides of boat stop point."

## Operation methods

### 3 Line out function

- The motor rotation helps fishing equipment to be dropped fast.
  - \* When you connect a power supply, there is a "ON" which works the function of line out.

#### Operating explanation

- ① When you input your equipment, the motor automatically rotates in the event that the surface of water is over 10M than the sides of boat.
- ② In the event, the rotation of spool is stopped or backlash, you must stop the rotation of motor (protection of backlash)
- ③ As spool rotates to the direction that emits again repeatedly, the motor resume the rotation.
- ④ The rotation of motor suspends in front of 5M of the surface of water which is established.

#### How to off the function of fishing line out

- Push the **Line Out**. The line out marks in the screen is disappeared. (refer to picture 22)
- \* In the event, you want fishing line out "ON", push the **Line Out**. The screen is lighting. (refer to picture 23)



#### Attention

- ① Time lag can happen in stop or circumstance that turning of motor should suspend by backlash of spool turning.
- ② When motor is rotating in line out "ON", if do clutch by "ON", there is occasionally winded line.

Picture 22

fishing line out  
OFF

Picture 23

fishing line out  
ON

## Operation methods

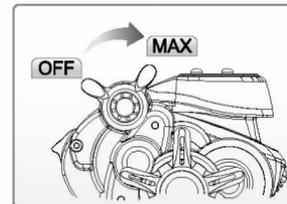
### 4 Automatic winding with Electric power and how to change speed

- The speed control by the motion of motor and speed lever

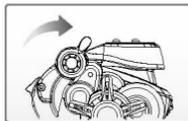
Operation sequence ① : Please push the speed lever from the OFF

- \* The speed lever has to be set "OFF" when you wind the fishing line.

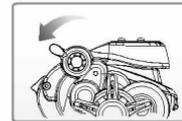
Operation sequence ② : It's possible to control speed by moving speed lever forward / backward.



- \* If push speed lever to forward, the speed goes up.



- \* If pull the speed lever to the backward, the speed goes down.



### Attention

To prevent the braking the rod, the motor will not work after stopping of "the sides of boat".  
But jiggling function will work.

### 5 Retrieve mode

- This electric reel can retrieve the fishing line both of speed mode and power mode only to push the mode switch.

Operation sequence ① : Mode will change when you push the **Power/Speed**.

Operation sequence ② : When you push the **Power/Speed**, power mode and speed mode will be interchangeable



### Attention

Both of the motor will operate together for a few minutes to swift the mode smoothly during spinning the motor.

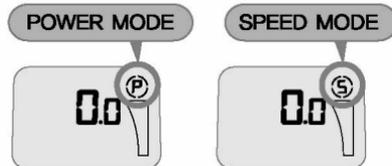
## Operation methods

### ● Power mode

- \* It is very useful when you need of retrieve power than speed.  
(In case of fighting with big fish)
- \* LED will become orange light in the power mode.

### ● Speed mode

- \* It is very useful when you need of speed than retrieve power.  
(in case of collecting a equipment)
- \* LED will become green light in the speed mode.
- \* The speed mode will change to power mode automatically when it has over load during the retrieving.  
(Though the loading becomes light , the mode will not restore to the 'speed mode' automatically.  
Please push the switch to change to the speed mode)



### Attention

- ① When you withdraw equipment in the speed mode, it could be changed automatically to the power mode because of influence of wave.
- ② The speed mode will change to power mode automatically in the gunwale speed reduction area.  
(before 3m to the gunwale stop)
- ③ It is impossible to change to the speed mode in the gunwale speed reduction area.

### 6 Shelf mode

This mode memorizes the depth of the water where fish swim and it notifies you by alarming.

Operation sequence ① : When putting the equipment into the water stop just above the surface of the water.

Operation sequence ② : Please push the Range/Bottom.  
Then the shelf adjustment is completed.

- \* The main counter is displayed on the sub counter.(refer to picture 24)
- \* After this, it notifies you by alarming before shelf 5M.

Picture 24



Range / Bottom

Range / Bottom

setting is completed

## Operation methods

### Memory of automatic range

- After collecting a equipment,  
the occasion that set up the point that fish was caught.

Operation sequence ① : Collecting a equipment

- \* If main counter's indication proceeds less than 10.0, the surface of water flickers in sub counter.  
(refer to picture 25)

(Flickered depth of water is the depth of water which is suspended more than minimum 5 seconds in the bottom)

Operation sequence ② : When the depth of water is flickering, if you push the **Range/Bottom** it is lighten and setting up shelf.(picture 26)

Picture 26



Range / Bottom switch



shelf setting is completed

- \* Occasion that emit equipment more than 10M by not pressing switch during lighting

- ① The depth of water which is established before it was established before displaying.
- ② It is deleted if do not establish the shelf.

### Off the range mode

- If you push the swimming **Range/Bottom** button over 2 seconds, it is changed to the low mode. (refer to picture 21)
  - \* The depth of water is completed a shelf setting up is disappeared.
  - \* In the event, you want to change shelf mode again, push **Range/Bottom** more than 2 seconds.
  - \* If you push the **Range/Bottom** over 5 seconds, both of the swimming and range mode can be removed.



### Attention

- ① It is impossible to set up self below 10M.
- ② It is impossible to off the shelf set during the rotation of motor.

Picture 25

Flickering



Picture 27



Range mode



Push the switch for more than 2 seconds.



Bottom mode

## Operation methods

### 7 The bottom mode

- It displays from bottom to equipment's distance.

In the event, there is no shelf / low signal on the sub counter

Operation sequence ① : Push the **Range/Bottom** (refer to picture 28)

- \* The shelf is displayed on the main counter.

(If the main counter is over 10M, it's set up shelf)

Operation sequence ② : Push again **Range/Bottom** over 2 seconds.

- \* Low 0.0 is displayed on the sub counter.(refer to picture 29)

Picture 28



Picture 29



Push the switch  
for more than  
2 seconds.



In the event, shelf is displayed on the sub counter

Operation sequence ① : Push **Range/Bottom** more than 2 seconds.

- \* Sub counter is changed from range indication to low 0.0 indication (refer to picture 30)

Picture 30



Push the switch  
for more than  
2 seconds.



## Operation methods

### The bottom mode methods

Operation sequence ① : Make the equipment down to the bottom and the tight the line.

\* Distance is displayed on the Sub counter with tied up the line. (refer to picture 31)

Operation sequence ② : Push the **Range/Bottom**.

\* It changed the (low 0.0) in the sub counter. (refer to picture 32)

If you push the **Range/Bottom** over 5 seconds,  
both of the range and bottom mode can be removed.

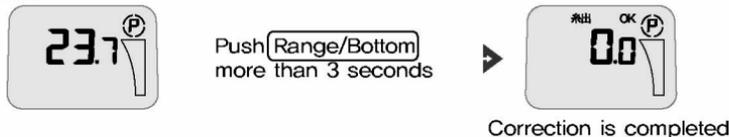


## Operation methods

### 8 Correction of original line cut

- Correction occasion fishing line data that original line is cut by taken under shellfish etc. is possible
    - \* Correction of original line cut is a tip in case original line more than 10M is cut.
- Operation sequence ① : Withdraw the original line and connect equipment again.
- Operation sequence ② : Push the Line Out switch more than 3 seconds (correction completion)
- \* As alarm rings, main counter is displayed by 0.0 (refer to picture 33)
  - \* It displays OK in the sub counter.

Picture 33



- \* After correction of original line cut, please reset up the sides of boat stop point and surface of water "0".
- \* If "ON/OFF" switch is pushed for more than 3 seconds at the position "0.0" of the main counter.



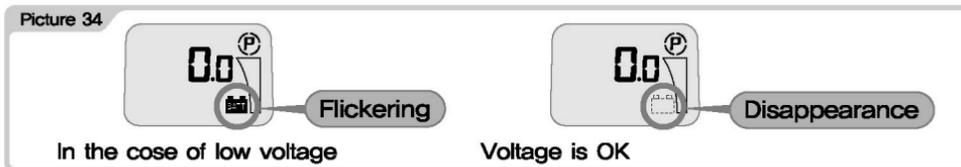
### Attention

- ① After correction of original line cut, when do not establish the sides of boat stop point, if input equipment, side of a boat stop point becomes 5M.

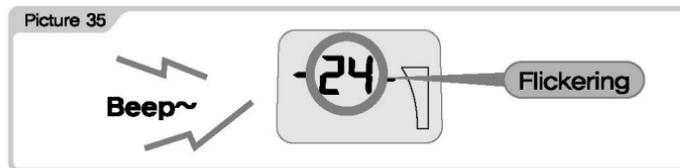
## Safety function

### 1 Check battery

- When you connect power supply, check the low pressure of battery.
  - ① If the electric pressure is ok, the flickering battery mark is disappeared.
  - ② In the event, the electric pressure is low, the battery marks is lighted.
- exchange battery or recharge it (refer to picture 34)



- ③ Power supply appears warning sign on screen with more high-pitched occasional alarm than reasonable extent of reel.



## Safety function

### 2 Memory back up

- When you are doing fishing, you are relieved even though unexpectedly the cord or clip is pulled out.  
The depth of water or the other data is kept and memorized for 10 minutes.



### Attention

- When the power turned off, do not let the fishline out or wind it. The counter error may occur.

### 3 Over load control

- When overload takes to motor, brake operates and halt motor for motor protection.
- Although it is returned if use ON/OFF switch, speed is Lo-3 by automatically established.  
It's possible to change the speed by using the speed lever.
- No brake function operate in the speed mode. It will change to power mode automatically when it has over load.



### Attention

- In case of coming back to the original mode, please maintain the low load condition.

### 4 Power up system

- If the spool was stopped for 10 seconds due to the overload during the winding the line in the low or medium speed, Motor Power speed is increased to maintain the winding speed.
- After the power-up, if you move the speed lever, it goes back to the speed as settled value on the screen.

10

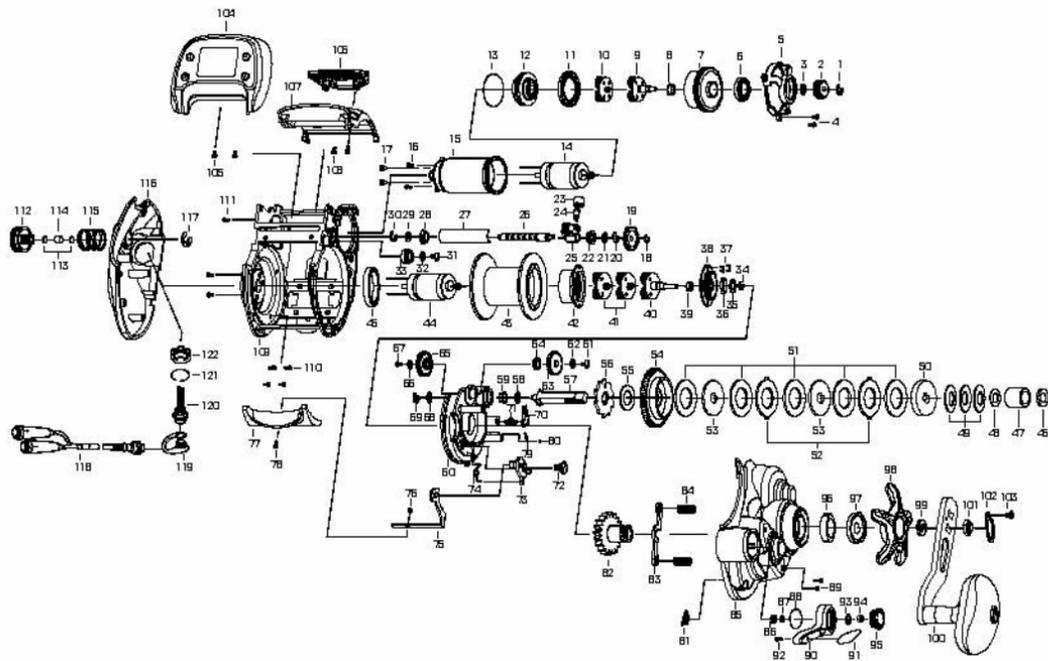
## When fault is doubtful

Please confirm the below list, before asking for inquiry or repair.

Symptoms	Expected factors	Confirmation & Handling Method
"Visual display is not appeared."	<ul style="list-style-type: none"> <li>● In the case of connecting.</li> <li>● Disconnection of power supply..</li> <li>● Battery's electric pressure is not enough.</li> </ul>	<ul style="list-style-type: none"> <li>● Connect correctly.</li> <li>● Talk with the shop.</li> <li>● Charge it or check another battery.</li> </ul>
"Counter display's error is big."	<ul style="list-style-type: none"> <li>● Error in setting up of fishing line.</li> <li>● Error in growing long fishing line.</li> </ul>	<ul style="list-style-type: none"> <li>● Input fishing line again.</li> <li>● Input fishing line again.</li> </ul>
"Automatic winding does not work."	<ul style="list-style-type: none"> <li>● When the display is set 0.0.</li> <li>● shortage of battery's capacity.</li> <li>● When the connect cable is rusted.</li> <li>● When the ship's power supply is used. (wiring problem or dropping electric pressure)</li> </ul>	<ul style="list-style-type: none"> <li>● Please display the surface of water over the sides of boat distance.</li> <li>● Charge it or use another battery.</li> <li>● After removing the rust, please check it.</li> <li>● Exchange an exclusive battery and please check it..</li> </ul>

if you find the abnormal symptom after you check the above list, please prepare the details about the defectives and ask the repair to the shop where you've bought the reel.

## Part list



Key No.	Parts Name	Key No.	Parts Name	Key No.	Parts Name	Key No.	Parts Name
1	RETAINER	31	SCREW	61	SCREW	91	SPEED LEVER COVER
2	PINION	32	WASHER	62	WASHER	92	SCREW
3	WASHER	33	MAGNET GEAR ASSY	63	JOINT GEAR-A	93	TOOTH WASHER
4	SCREW	34	RETAINER	64	BALL BEARING	94	NUT
5	GEAR HOLDER	35	WASHER	65	JOINT GEAR-B	95	LEVER CAP
6	BALL BEARING	36	BALL BEARING	66	WASHER	96	BUSH
7	INTERNAL GEAR-A	37	SCREW	67	SCREW	97	CLICK HOLDER ASSY
8	BEARING	38	SPOOL COVER	68	WASHER	98	STAR DRAG
9	GEAR SHAFT-A ASSY	39	BEARING	69	RETAINER	99	WASHER
10	SUN GEAR-A ASSY	40	GEAR SHAFT-B ASSY	70	STOPPER ASSY	100	HANDLE ASSY
11	BALL BEARING	41	SUN GEAR-B ASSY	71	STOPPER SHAFT	101	NUT
12	MOTOR COVER	42	INTERNAL GEAR-B	72	SCREW	102	HANDLE NUT CAP
13	O-RING	43	SPOOL ASSY	73	CLUTCH CAM ASSY	103	SCREW
14	MOTOR-A ASSY	44	MOTOR ASSY-B	74	KICK LEVER SPRING	104	CONTROL BOX ASSY
15	MOTOR BOX ASSY(ONE WAY CLUTCH)	45	BALL BEARING	75	CLUTCH PLATE	105	SCREW
16	SCREW	46	WASHER	76	T-NUT	106	EMBLEM
17	PACKING-B	47	SLEEVE	77	CLUTCH LEVER	107	FRONT COVER
18	RETAINER	48	WASHER	78	SCREW	108	SCREW
19	TRAVERSE GEAR	49	DRAG SPRING WASHER	79	STOPPER SPRING	109	FRAME ASSY (ONE WAY CLUTCH)
20	RETAINER	50	WASHER-D1	80	O-RING	110	SCREW
21	WASHER	51	WASHER-L	81	LINE STOPPER	111	SCREW
22	BUSH	52	WASHER-A	82	SPOOL GEAR	112	TENSION KNOB
23	LEVEL WIND NUT	53	WASHER-D2	83	CLUTCH BAR	113	WASHER
24	LEVEL WIND PIN	54	DRIVE GEAR	84	COIL SPRING	114	RUBBER WASHER
25	LEVEL WIND ASSY	55	WASHER	85	R/S COVER ASSY	115	COIL SPRING
26	WORM SHAFT	56	RATCHET ASSY	86	NUT	116	LEFT SIDE COVER
27	PIPE	57	GEAR METAL	87	WASHER	117	RETAINER
28	BUSH	58	WASHER	88	O-RING	118	POWER CODE ASSY
29	WASHER	59	BEARING	89	SCREW	119	WATER CAP
30	RETAINER	60	FRAME COVER	90	SPEED LEVER	120	CONNECTOR ASSY
						121	SPRING WASHER
						122	NUT