banax

INSTRUCTION MANUAL

High Technology Electric Reel

KAIGEN 500TM

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.

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1 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.



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.

2 Attention of handling

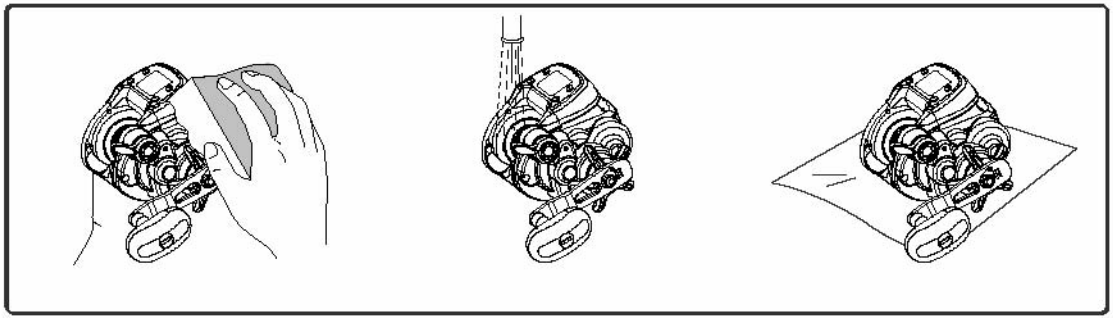
2 Regarding power supply cord

- 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



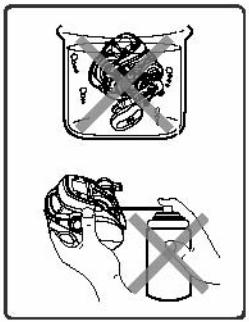
1 Please clean the contaminated parts of reel's body with a sponge or towel which is wet with a detergent.

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

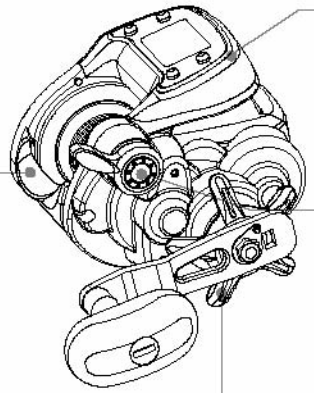
- Please use a neutral detergent.
- Please do not wash reels under the water.
- In case of leaving alone a humid place, this can cause modification or quality deterioration. After washing, keep it in the air and high temperature and dry place.
- Never oil in the drag part. This can cause power deterioration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



4 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



CONTROL BOX

BRAKE KNOB

Breaking power for spool rotation and when equipment is inputted, it prevents the backlash.

SPEED LEVER

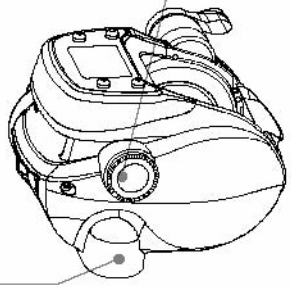
Speed lever : Motor ON/OFF, Pushing the lever forward increases the speed (power)and pulling the lever backward decreases the speed(power) rate.

STAR DRAG

This controls backlash of spool so that the equipment doesn't get cut by the force of fish.

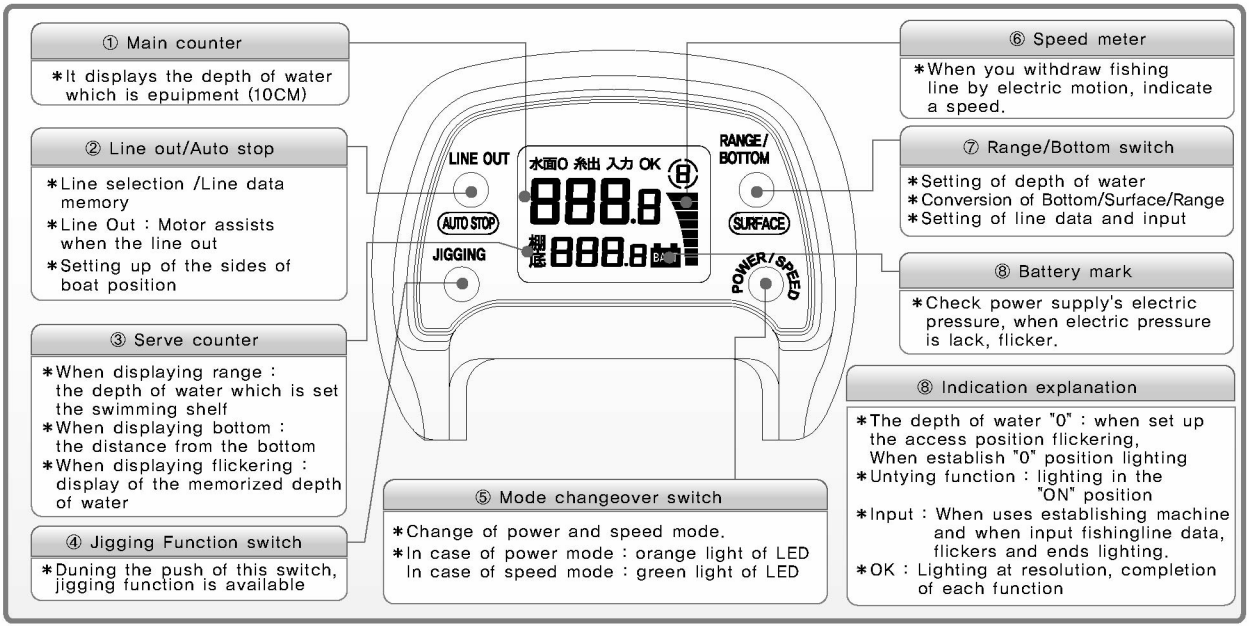
CLUTCH LEVER

It changes untying and withdrawal function of fishing line.
When the lever is pulled forward, it's in "OFF" position.
When the lever is pushed into inward, it's in "ON" position.
ON : winding function
OFF : Spool is in free position and the equipment is untied and put into the water.



POWER SUPPLY CONNECTOR

6 Each part's description of control box



① Main counter
*It displays the depth of water which is epuipment (10CM)

② Line out/Auto stop
*Line selection /Line data memory
*Line Out : Motor assists when the line out
*Setting up of the sides of boat position

③ Serve counter
*When displaying range : the depth of water which is set the swimming shelf
*When displaying bottom : the distance from the bottom
*When displaying flickering : display of the memorized depth of water

④ Jigging Function switch
*Duning the push of this switch, jigging function is available

⑤ Mode changeover switch
*Change of power and speed mode.
*In case of power mode : orange light of LED
In case of speed mode : green light of LED

⑥ Speed meter
*When you withdraw fishing line by electric motion, indicate a speed.

⑦ Range/Bottom switch
*Setting of depth of water
*Conversion of Bottom/Surface/Range
*Setting of line data and input

⑧ Battery mark
*Check power supply's electric pressure, when electric pressure is lack, flicker.

⑧ Indication explanation
*The depth of water "0" : when set up the access position flickering, When establish "0" position lighting
*Untying function : lighting in the "ON" position
*Input : When uses establishing machine and when input fishingline data, flickers and ends lighting.
*OK : Lighting at resolution, completion of each function

Attention

❶ It displays a liquid crystal screen with lighting in the picture for explanation.

❷ In the counter indication , below −10℃ ~ over 60℃, 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

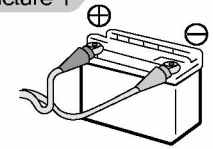
❶ Please connect power supply's clip in battery.
Connect plus terminal – red clip and minus terminal
– black clip (refer to picture1)

❷ Put in deeply and assemble the power supply's "parts and fix it certainly by a nut."
(refer to picture 2)

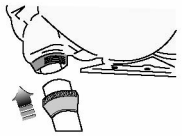
❸ – 1 if it's connected exactly, displayed the initial.

❸ – 2 if fishing line's data is inputted,
display like picture 4 after setting screen.

Picture 1



Picture 2



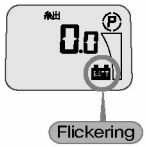
● In (picture 3) (picture 4), battery mark is flickering
but if electric pressure is normal, it will be disappeared in 5 minutes.
In the event, battery mark is not disappeared,
it is possible to drop the electric pressure.
Please exchange it or charge it.

● 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.

Picture 3



Picture 4



* 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.

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.

7 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

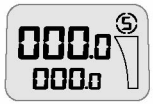
❶ Please knot the fishing line of the spool pin.

❷ Please confirm picture 5's display after power on.
(when the line data was input, display could be different)

❸ Push the Line Out and the Range/Bottom at the same time for 3 seconds.
It displays like (picture 6).

❹ Please choose the line number and the length by using the line out switch.
The screen will be changed every pushing the switch.

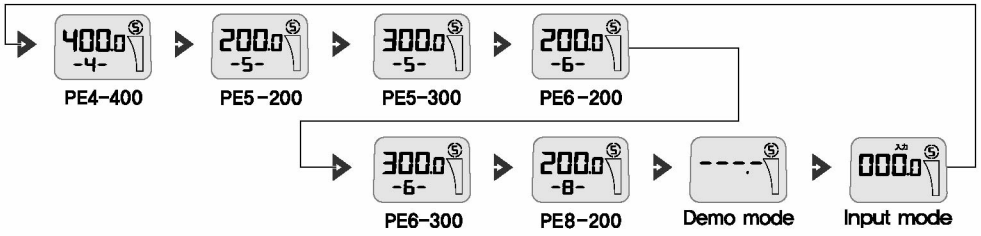
Picture 5



Picture 6



Picture 7



7 Preparation before use

❺ Please use the speed lever and wind the fishline after you confirm whether fishline to be wound and selected fishline.

❻ 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)

❼ 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 | Setting screen | The input is completed

Attention

❶ It displays like picture 6 when the mode is changed as speed mode. (green light)

❷ When you wind the fishing line, you need to give the load of 1.0kg ~1.5kg.

❸ If you push Range/Bottom in demo mode screen, the set up data is gone and display the demo mode Plesae start from ground zero.

❹ If any errors cause during your operation, please push the Range/Bottom and finish the working and restart it from the beginning.

❺ Indication of the depth of water is set below ±3, it is possible to happen more than little by the emission range or expansion and contraction.

7 Preparation before use

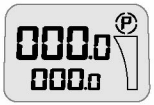
Fishing line data input method-B

- 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.

❶ Please knot the fishing line of the spool pin.
❷ Please confirm that screen with (picture 9) is displayed after Power on.
❸ Push the Line Out and the Range/Bottom at the same time for 3 seconds.
It displays like (picture 10).
❹ Push Line Out switch and selects input mode. (refer to picture 7, 11)
❺ 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



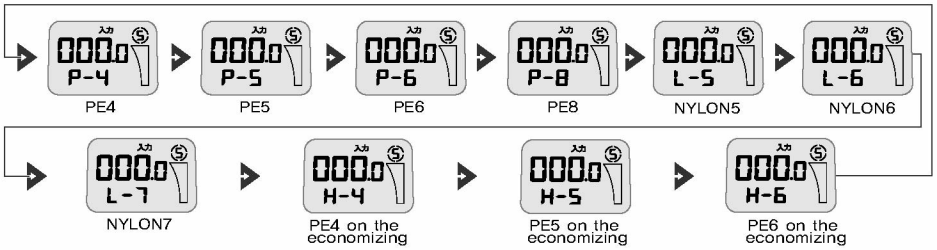
Picture 10



Picture 11



Picture 12



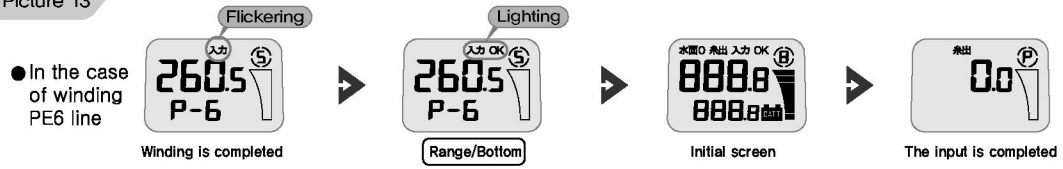
7 Preparation before use

Fishing line data input method–B

❻ please check if it is the setting line and wind the line by controling speed lever.

❼ After winding the fishing line, please push the Range/Bottom (picture 13).

Picture 13



Attention

❶ When you wind the fishing line, you need to give the load of 1.0kg~1.5kg.

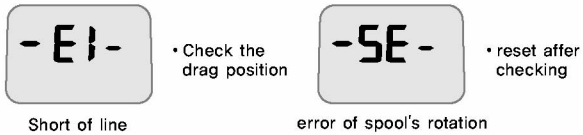
❷ If any errors come about during your operation, please push the Range/Bottom and finish the working and restart it from the beginning.

❸ Indication of the depth of water is set below +–3%, It is possible to happen more than little by the emission range or expansion and contraction.

❹ Display image is just like –E1– of error, It is short of winding line. so you have to wind the line more than 50m

❺ When display image shows –/SE–, the reel has to be repaired. Please contact the shop where you buy.

❻ 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.



7

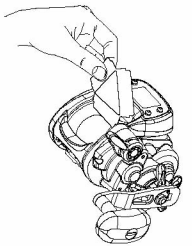
Preparation before use

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).

❶ Tie up the economizing line on the spool through the Level wind.
* Attach the line at Line fixed pin to prevent the sliding.
❷ 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.
❸ Tie up the main line after finishing winding of economizing line.
❹ Push the [Range/Bottom] and [Line Out] switch for 3 seconds at the same time. (It is displayed as picture15)
❺ You can use the input mode through pushing the [Line Out]. (refer to picture 7, 12, 16)
❻ Select the type of line and diameter of line through pushing the [Jigging]. (picture 17)

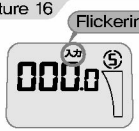
Picture 14



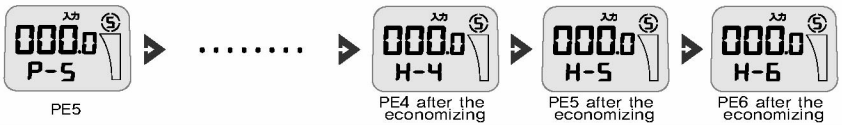
Picture 15



Picture 16



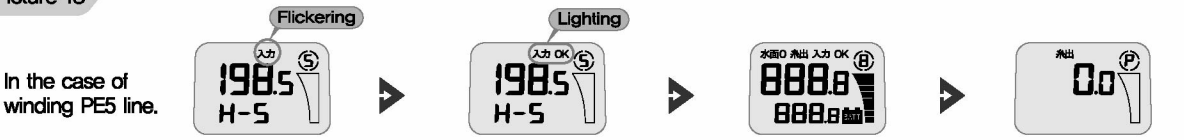
Picture 17



7 Preparation before use

❼ Wind the Line by controling the Speed lever.
❽ 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

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

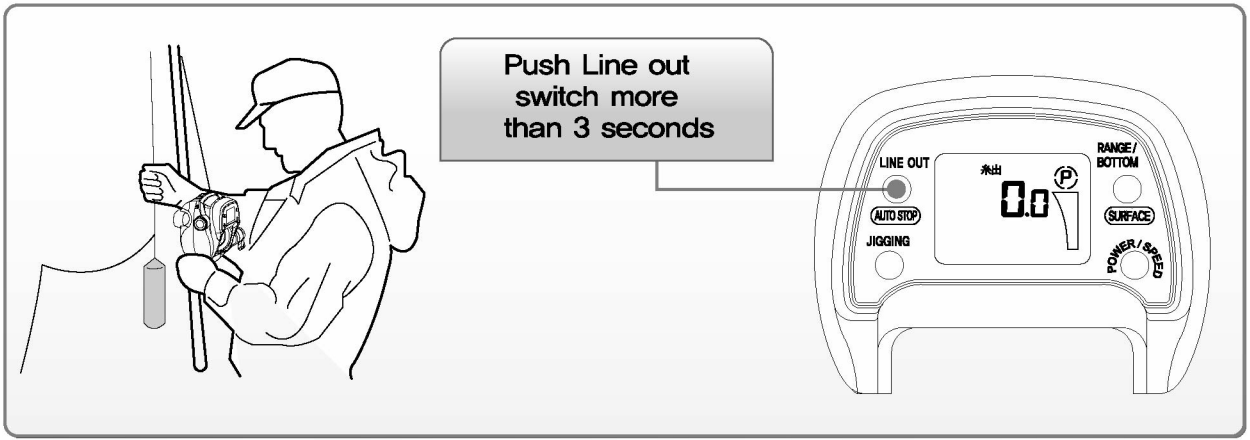
8 Operation methods

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.

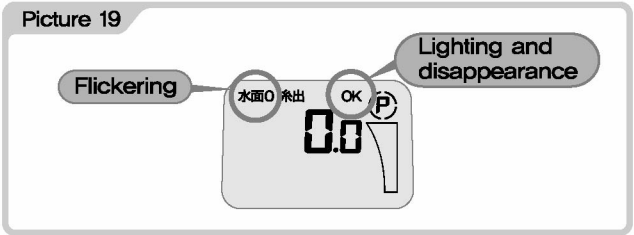


8 Operation methods

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.

Picture 19



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.

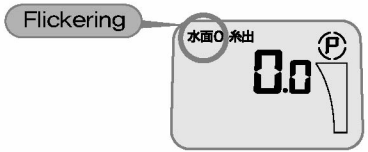
❸ When don't set (surface of water "0") during flickering, there is no problem even if do fishing with inputting equipment. (Surface of water"0") is deleted automatically because it is more than counter indication 10.0.

8 Operation methods

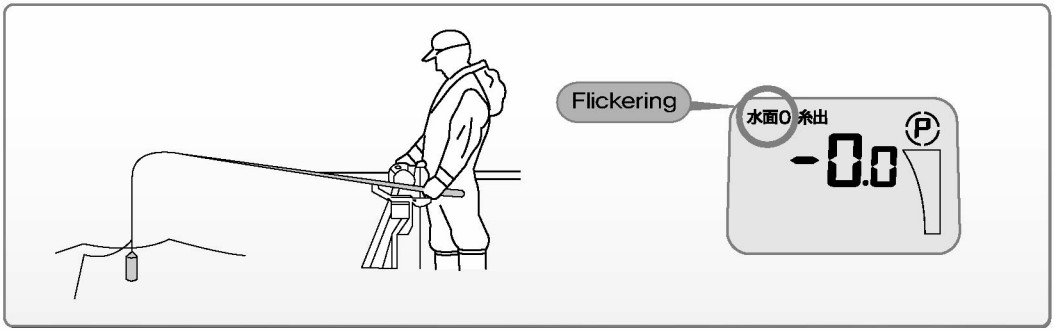
2 The surface of water "0" setting up

- 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



Operation sequence ① : First, you stratch 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

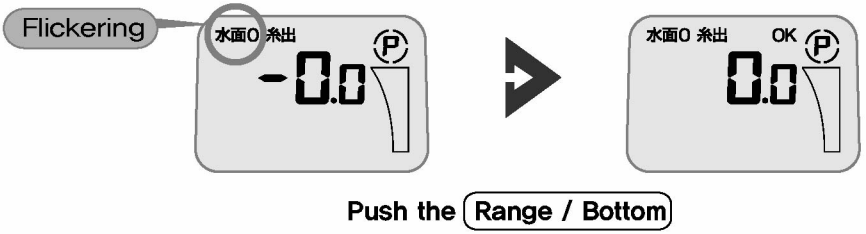


8 Operation methods

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.

Picture 21



Attention

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

8 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.

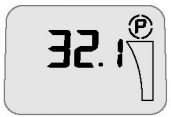
Operating explanation

❶ 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.
❷ In the event, the rotation of spool is stopped or backlash, you must stop the rotation of motor (protection of backlash)
❸ As spool rotates to the direction that emits again repeatedly, the motor resume the rotation.
❹ 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)

Picture 22



fishing line out OFF

Picture 23



fishing line out ON

Attention

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

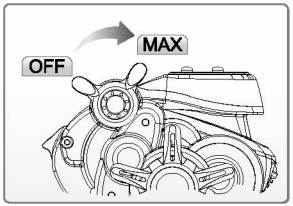
8 Operation methods

4 Automatic winding with Electric power and how to change speed

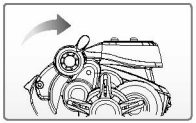
● The speed control by the motion of motor and speed lever

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.

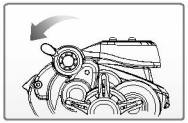
Operation sequence ② : It's possible to control speed by moving speed lever forward / backward.



* 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 jigging 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/Spee).

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 minites to swift the mode smoothly during spinning the motor.

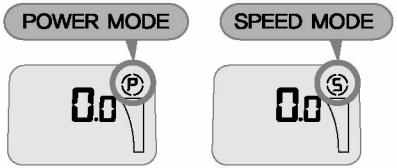
8 Operation methods

● 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

❶ When you withdraw equipment in the speed mode, it could be changed automatically to the power mode because of influence of wave.

❷ The speed mode will change to power mode automatically in the gunwale speed reduction area. (before 3m to the gunwale stop)

❸ It is impossible to change to the speed mode in the gunwale speed reduction area.

6 Shelf mode

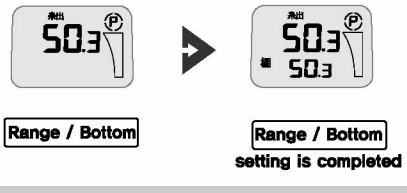
This mode memorizes the depth of the water where fish swim and it notifies you by alarming.

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.

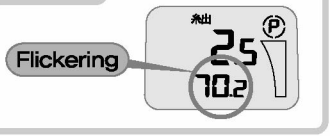
Picture 24



Operation methods

Memory of automatic range

Picture 25



● 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

❶ The depth of water which is established before it was established before displaying.

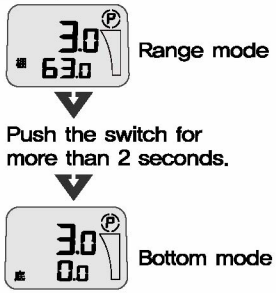
❷ It is deleted if do not establish the shelf.

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.

Picture 27



Attention

❶ It is impossible to set up self below 10M.

❷ It is impossible to off the shelf set during the rotation of motor.

8 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

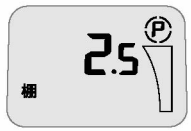
Operation sequence ① : Push the Range/Bottom (refer to picture 28)

* The shelf is displayed on the main counter.
(If the main counter is over 10M, it's set up shelf)

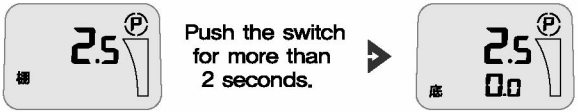
Operation sequence ② : Push again Range/Bottom over 2 seconds.

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

Picture 28



Picture 29

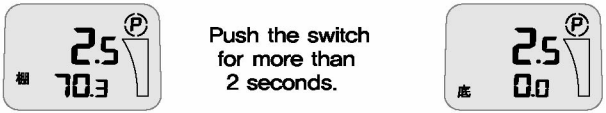


In the event, shelf is displayed on the sub counter

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



The bottom mode methods

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

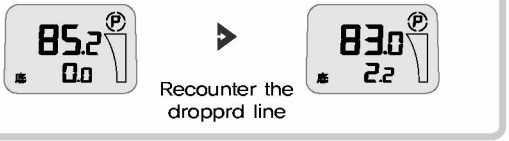
* Distance is displayed on the Sub counter with tied up the line. (refer to picture 31)

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.

Picture 31



Range / Bottom

Picture 32



8 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



Correction is completed

* 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

❶ 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.

9 Safety function

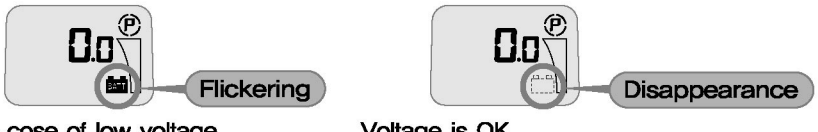
1 Check battery

- When you connect power supply, check the low pressure of battery.

❶ If the electric pressure is ok, the flickering battery mark is disappeared.

❷ In the event, the electric pressure is low, the battery marks is lighted.
exchange battery or recharge it (refer to picture 34)

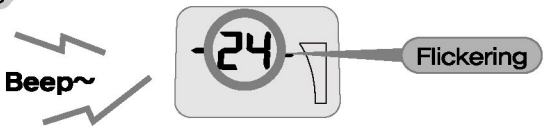
Picture 34



In the cose of low voltage Voltage is OK

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

Picture 35



9 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 setted value on the screen.

10 When fault is doubtful

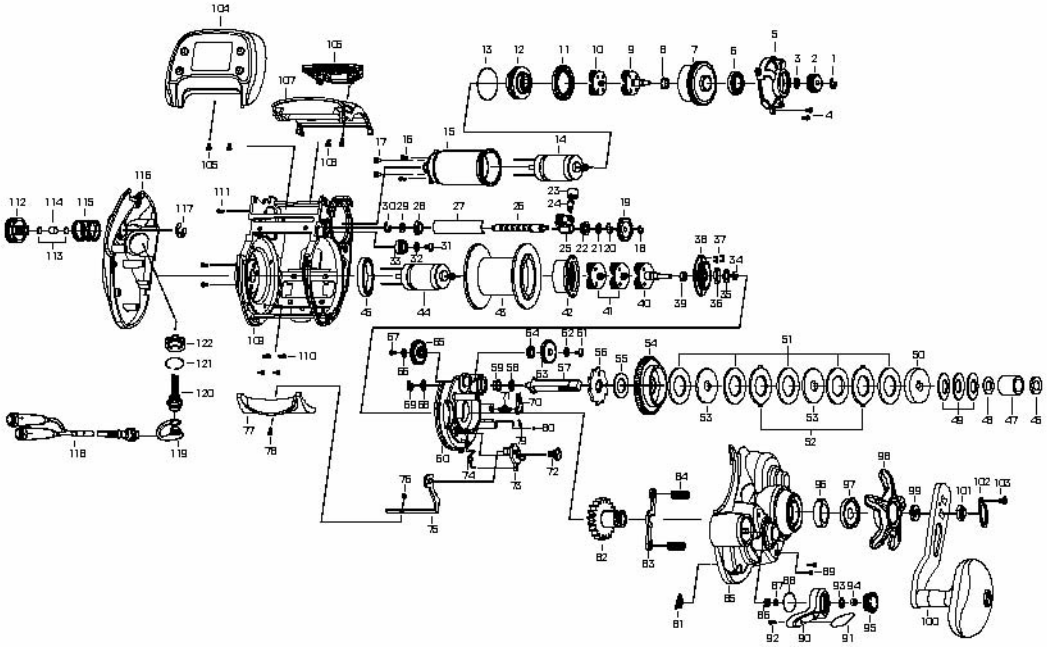
Please confirm the below list, before asking for inquiry or repair.

Symptoms	Expected factors	Confirmation & Handling Method
"Visual display is not appeared."	● In the case of connecting. ● Disconnection of power supply.. ● Battery's electric pressure is not enough.	● Connect correctly. ● Talk with the shop. ● Charge it or check another battery.
"Counter display's error is big."	● Error in setting up of fishing line. ● Error in growing long fishing line.	● Input fishing line again. ● Input fishing line again.
"Automatic winding does not work."	● When the display is set 0.0. ● shortage of battery's capacity. ● When the connect cable is rusted. ● When the ship's power supply is used. (wiring problem or dropping electric pressure)	● Please display the surface of water over the sides of boat distance. ● Charge it or use another battery. ● After removing the rust, please check it. ● Exchange an exclusive battery and please check it..

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.

11

Part list


104
105
107
108
13 12 11 10 9 8 7 6 5 3 2 1 4
15 14 16 17
116 112 114 115 113 117 111
23 24 19 30 29 28 27 26 31 32 25 22 21 20 18 38 37 34 35 36 45 44 43 42 41 40 39
122 121 120 109 110 118 119 77 78
67 65 66 64 62 61 59 58 63 57 56 55 54 51 50 53 52 49 48 47 46 69 68 70 80 60 74 73 72 76 75
84 82 83 98 96 97 99 101 102 105 89 87 88 86 85 81 92 90 91 93 94 95 100

banax
High Technology Electric Reel

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