

INSTRUCTION MANUAL

High Technology Electric Reel **KAIGEN 150**

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 usage.

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1

CAUTION FOR SAFETY

● Must read before using ●

⚠ Warning



- Make sure not to get be caught a finger between Level wind and body.
- When line is released or wound, make sure not to get be caught a finger to line.
- If kids use the reel, adults should check not to get be caught a finger at rotating part or gap.
- Malfunction could be occurred by even weak electric originated by the reel using.
- Before using the reel, please check the malfunctions caused by electricity effect.
- Do not fix the reel against your body. Big fishing could draw you into the surface of water.
- Please do not place or use the reel where infants could reach.

⚠ Caution



- When motor is rotating continuously during fishing, remove power code immediately.
- When plated or painted surface is peeled off, the part could be sharp. Please do not touch because there is possibility for injury.
- If there is water drop or moisture on LCD, motor could not be controlled because of malfunction. Please stop using right away and ask for repair.
- When control drag power, must do with motor stop, because there is possibility for injury.
- When cleaning or mending, proceed after making sure on removing power cord. Injury or reel damage could happen if the motor works incidentally.
- If you can smell something burning or see smoke from the reel, please remove the power immediately. It could ignite or motor could not be controlled.
- Do not press clutch during motor rotating, because there is possibility for malfunction.
- Be careful to not drop spool during spool change, modified spool by drop can make injury or malfunction.
- Do not drive motor or steer handle without spool.

1

CAUTION FOR SAFETY

● Must read before using ●

⚠ Caution



- When line is stuck in rock, cut the line with tools.
(protect hands by gloves or towel)
- Before connecting the power, be sure to loosen the drag sufficiently.
When it goes wrong, motor could rotate and it would break the rod by equipment pulled to rod.
- Be careful to strong shock like falling.
(Internal damage could be occurred)
- In the reason of line cut, power off, if counter marking is not right, reset counter measurement.
- Do not use wire as line, because there is possibility of spool corruption or damage.
- Do not keep the reel with tightly fastened by line, contraction of line could make damage.
- Proceed inspection before fishing.



- Do not touch rotating part during rotation.
- Before control ON/OFF button on speed lever,
check clutch lever at ON.



- When using power from the battery,
do not use power more than certain
voltage (DC12V ~13.8V)
If it is used with power more than
certain voltage, it could lead to burn
by heat or damage on electric parts.



- Do not dismantle or transform the body.
It could affect to the performance or cause
break down of reel.



- Do not clean the reel in the water.

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)



AC110V, 220V



DC24V

● 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, make sure 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

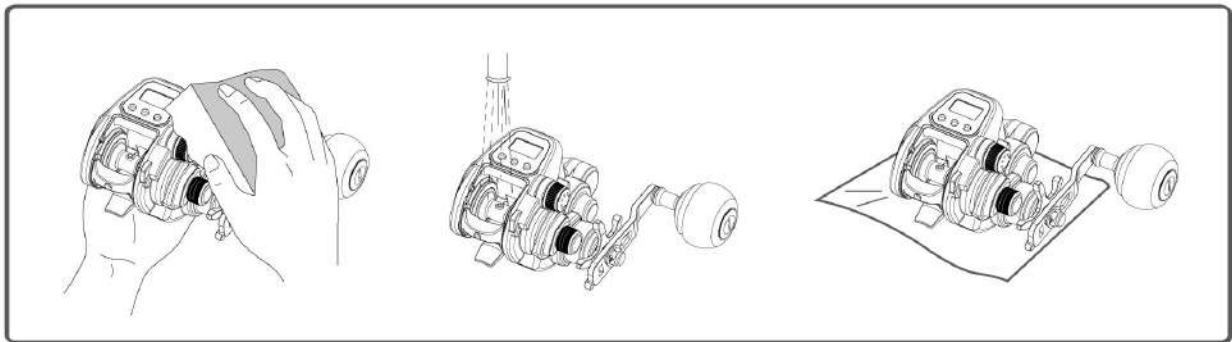
- Connection of power certainly uses supply cord that is enclosed with reel in package box. If you remodel supply cord connection etc. except pure attachment, reel can malfunction normally when use supply cord.
- You don't handle violently sources of electricity cord. If you wind it disorderly on the 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.)
- Store the power supply code unconnected with reel.
- When you need to pull out the cord, certainly have to seize connector parts.
- Please store or move the power cord after removing from the reel.

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 an impact such as dropping.
- When setting up fishing rod holder, please observe especially not to be impacted to back of reel and supply cord.

3

Handling method of reel



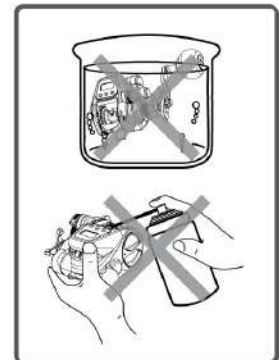
1 Please clean the contaminated parts of reel's body with a sponge or towel which is wet with a detergent.

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 by soaking to the water.
- In case of leaving at a humid place, this can cause modification or quality deterioration. After washing, keep it in dry place with high temperature.
- Never oil in the drag part. This can cause power deterioration or trouble.
- When you do not use please put on connector cap, for connector protection.
- Do not use anti-rust additives or lubricant which is commonly used. It could be cause of breakdown.



4

Primary function and characteristics

Speed lever

Motor ON/OFF and speed of line winding are adjustable.

Perfect drag

Carbon material with smooth control, remarkable power and durability is used.

PICK UP

It is convenient to remove tangled line and attract fish.

Perfect free spool

Spool is completely free with gear by clutch off.
It makes easier to drag down even the light lure and equipment.

Flipping lever

Easy clutch lever control.

0-SET

Place of stop could be set up according to the rod or equipment.

Setting up the
Surface of water

More specific swimming zone could be targeted by setting surface of water as 0m.

Correction of
Line cut

When line is cut off, line data is revised.

Spool detachment

Quick spool change is available by opening spool cover.

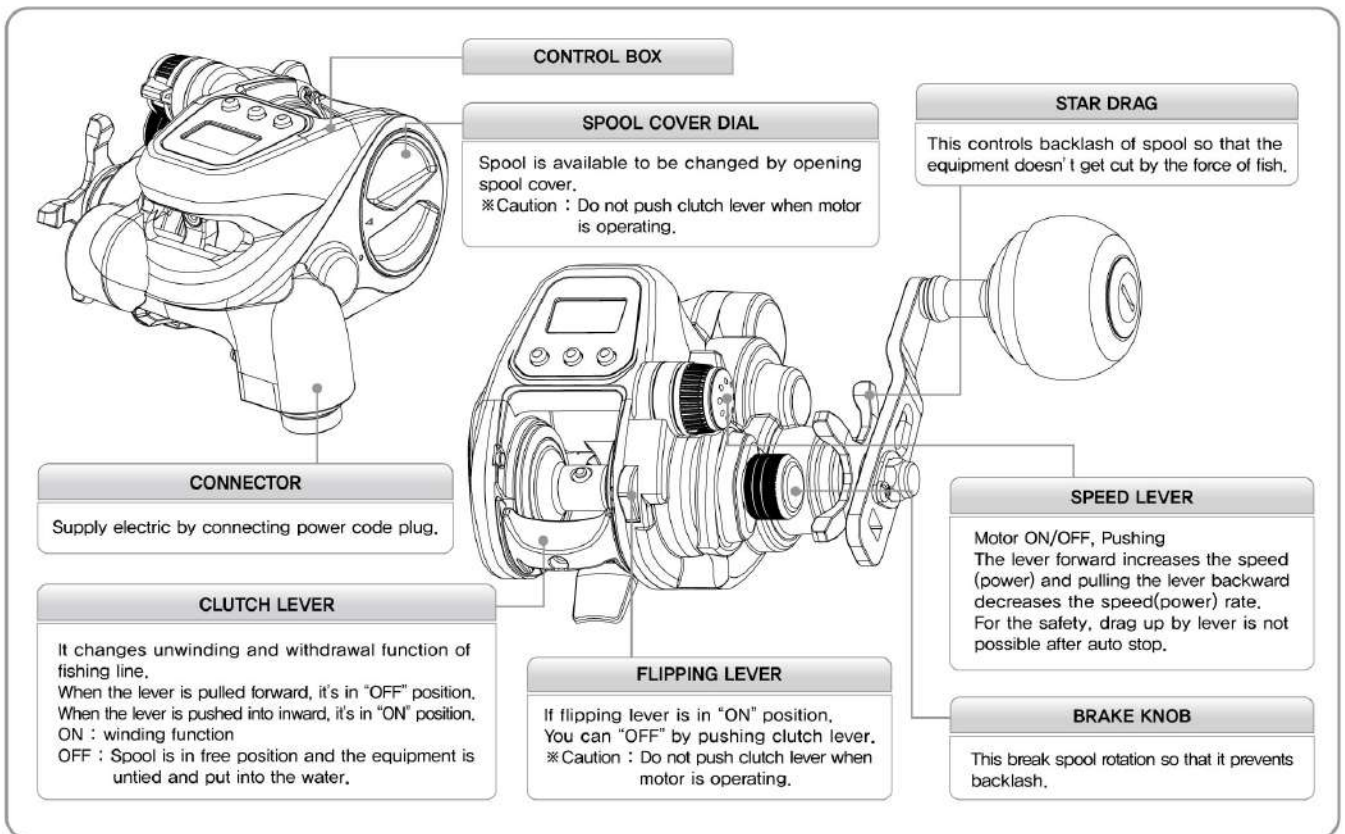
Constant speed mode

Winding with constant speed mode is available.

Drag click
sound

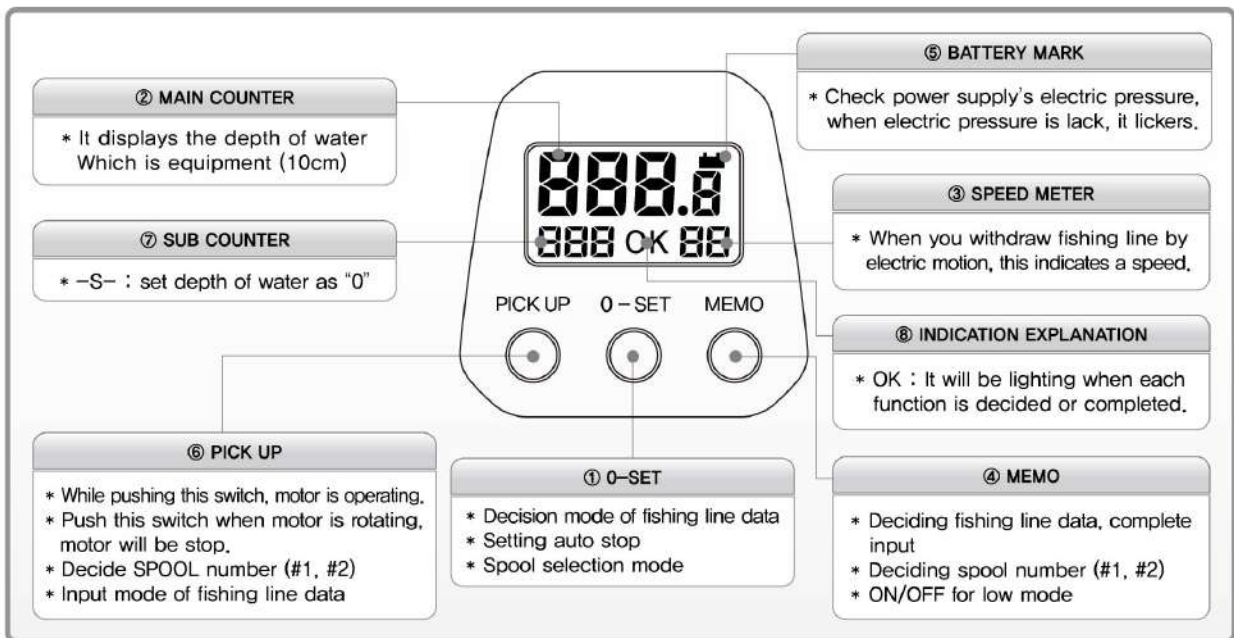
Cheerful sound generated when line is loosen by catching fish.

Each part's name & function



6

Each part's description of control box



Attention

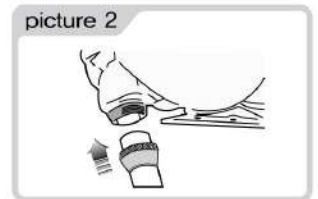
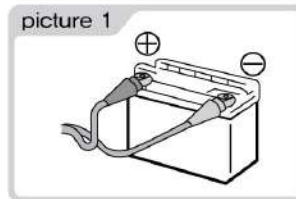
- ① It displays a liquid crystal screen with screen with lighting in the picture for explanation.
- ② In the counter indication, below -10°C ~ over 60°C , there is a difficulty in interpretation because of Special characteristic of liquid crystal, please be aware of this point.

7

Preparation before use

Power supply connecting method

- ❶ Please connect power supply's clip in battery.
Connect plus terminal – red clip
Connect minus terminal – black clip[refer to picture 1]
- ❷ Put in deeply and assemble the power supply's "parts and fix it certainly by a nut"
[refer to picture 2]
- ❸ If it's connected exactly, displayed the initial screen and alarm. [refer to picture 3]
(If demo mode shown, fishing line data is not inputted)
- ❹ If fishing line data is inputted, display like picture 4 after setting screen.
- In [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, there is possibility of drop for 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. Only "PICK UP" work.
* Indication is established by 5m in case that do not establish a parts.
* If you have signed the depth of water's indication more than 5m, an automatic winding is possible.



Attention

- ❶ If you connect the power supply again, it works back-up.
After disconnection, if you reconnect within 15 minutes, there is no back-up but no problem.

7

Preparation before use

Fishing line data input methods – I

- In case of using a inputted fishing line data.

* Below 3 kinds of line data is saved in this reel.

PE1.5–250m PE2–200m PE3–140m

- 1 Please connect the fishing line to the spool by passing level wind.
- 2 Please confirm [picture 5]'s displaying image after connection.
- 3 Push the [0–SET] switch and the [MEMO] switch coincidentally for 3 seconds. It displays like [picture 6].
- 4 Push the [0–SET] switch and select your fishing line's number and length [picture 7].

picture 5

picture 6

picture 7



7

Preparation before use

- ⑤ Please wind the fishing line after you confirm whether fishing line to be wound and selected fishing line data is correct.
- ⑥ The motor will automatically be stopped in front of selected fishing line's 15m after the motor is stopped, please wind the rest of line by using [PICK UP] switch or handle.
- ⑦ When you finish the winding, push the [MEMO] switch and complete the input. The LCD change as below procedure [picture 8]

picture 8

- In the case of winding PE2 Line 200m.



200.0
P 2

Winding completion



200.0
P 2 OK

[MEMO] switch



888.8
888 OK 88

Setting screen



0.0
|

The input is completed



Attention

- ① When you wind the fishing line, you need to give the load of 1.0kg ~ 1.5kg
- ② If you [MEMO] switch in demo mode screen, the set up data will be gone and display the demo mode. Please start from ground zero.
- ③ If any errors is caused during your operation, please push the [MEMO] switch and finish the working and restart it from the beginning.
- ④ 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.

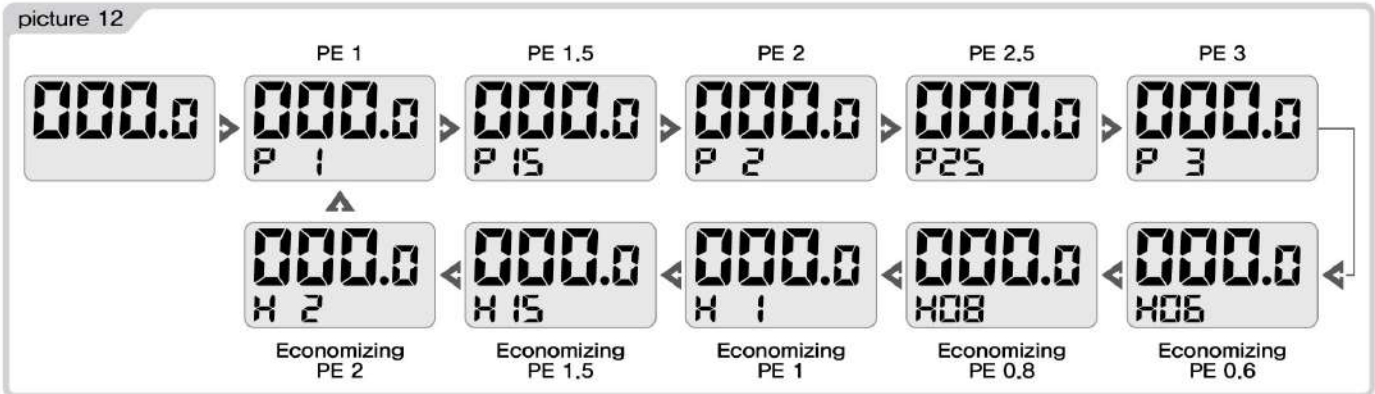
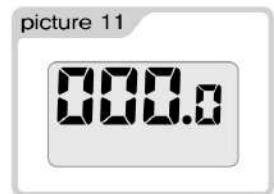
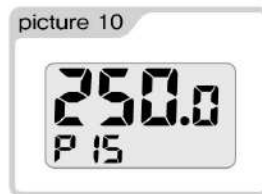
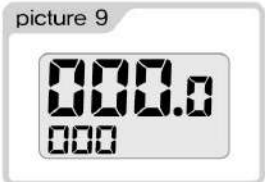
7

Preparation before use

Fishing line data input methods – II

* You can use this in case that you know the type of line and diameter.

- ❶ Please connect on spool passing fishing line by level wind.
- ❷ Please confirm that screen with [picture 9] is displayed after connecting power.
- ❸ Push [0-SET] switch and [MEMO] switch coincidentally for 3 seconds. It displays like as [picture 10].
- ❹ Press [0-SET] switch and select input mode.[refer to picture 7,11]
- ❺ Please push [PICK UP] 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].



7

Preparation before use

- 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 [MEMO] switch [picture 13].

picture 13

- In the case of winding PE2 Line.

200.0
P 2

Winding completion

200.0
P 2 OK

[MEMO] switch

888.8
888 OK 88

Initial screen

0.0
|

The input is completed



Attention

- ① When you wind the fishing line, you need to give the load of 1.0kg ~ 1.5kg
- ② If any errors come out during your operation, please finish the working by pushing the [MEMO] switch 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 which you purchased the product.
- ⑤ When [-CE-], [-SE-] are showing on display, it needs to be repaired at purchased store.
- ⑥ If display image shows like below during you input the data or complete the input, there may be the fault in your way of input or defect in the Reel.

-CE-

Error in the control box

-E1-

Short of line

-SE-

Error of spool's rotation

8

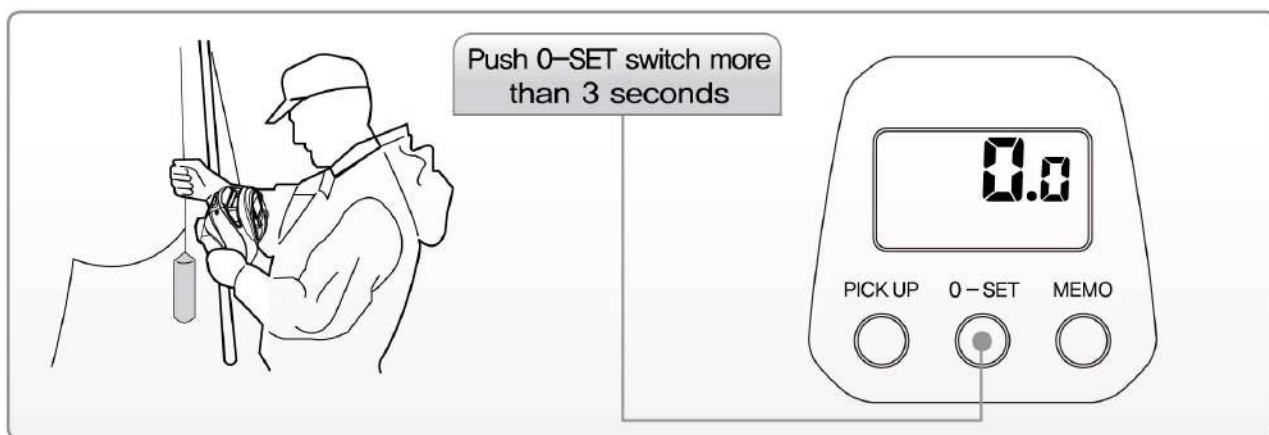
Operation methods

1 0-SET 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.
- From - 5m to 1m from stop point, alarm on.

Operation sequence

- ① : Connect the power supply after delivery fishing line from reels.
- ② : In order to reach within one's hand, adjust the length of fishing line.

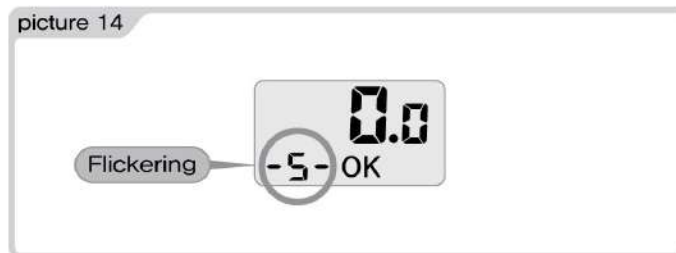


Operation methods

Operation sequence

- ③ : Push [0-SET] switch more than 3 seconds.
- * At this time "the depth of water" will flicker.
 - * It is possible that "the depth of water" setting up goes ahead.
 - * "OK" will light on during 5 seconds and then turned off.

picture 14



Attention

- ❶ If you did not set up, the [0-SET] position is set up 5m.
- ❷ When fishing line is hung, it could make error in stop location by expansion or contraction. Then please reset.
- 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.]

8

Operation methods

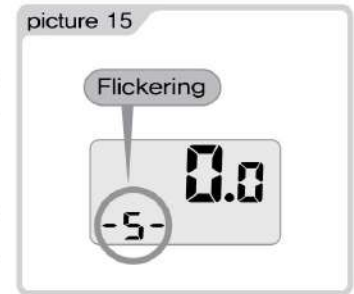
2 The surface of water "0" setting up

- In order to search swimming shelf, 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 "0" is flickering in the screen. [refer to picture 15]

Operation sequence

- ① : First, you stand up your fishing rods and adjust handle in order to come the surface of the water.
When you wind the equipment to the surface of water, the depth of water in the screen shows 0.0

picture 15



Operation methods

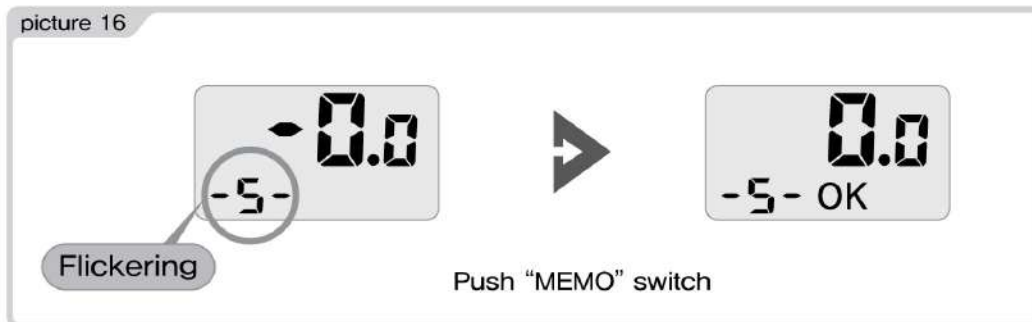
Operation sequence

② : Push "MEMO" switch. That point is "0" 's position.

"the surface of water 0" is flickering and lighting and finally lighting "OK" [Picture 21]

* "-S-", "OK" will automatically disappeared when main counter is over 10,0

picture 16



Attention

❶ "The surface of water0" function is different from "0-SET".

8

Operation methods

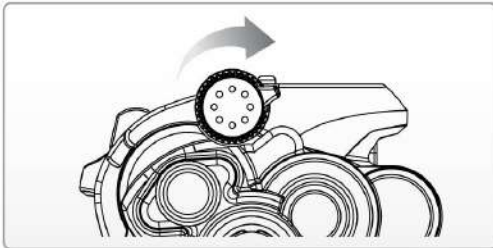
3 Electric ON(auto winding) and method to control speed

- Maneuver of motor and speed control by speed lever

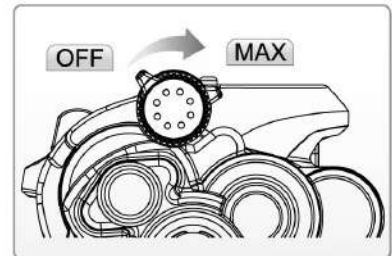
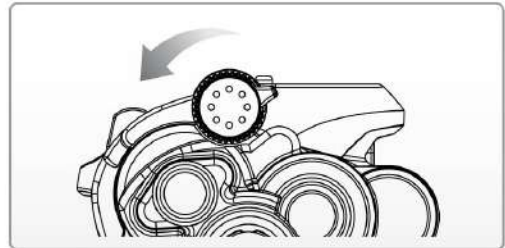
Operation sequence

- ① : Pull the speed lever inside to OFF the motor operation.
* When starting motor operation, pull speed lever has to be OFF.
- ② : Speed control is available by moving speed lever to the front and the rear.

- * By pushing speed lever toward outside, winding speed is increased.



- * By pulling speed lever toward inside, winding speed is decreased.



Attention

- ① After 0-SET finished, to prevent fishing line rolled inside, controlling speed lever is not available. PICK UP switch is available to use.
- ② During motor is operating, do not control clutch.

Operation methods

4 The low mode

- The technique that maintain steady winding speed.

Operation sequence ① : Push the "MEMO" button over 5 seconds.(when you buy it, low mode is OFF)

* If the main counter is showing "S" , Low mode is on.

picture 17



Operation sequence ② : If push again the "MEMO" button over 5 seconds, low mode OFF.

* Low mode is applied for lever 1 to 6.

picture 18



8

Operation methods

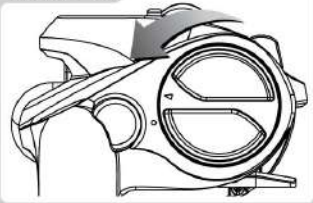
5 Spool change

- Spare spool could be changed.

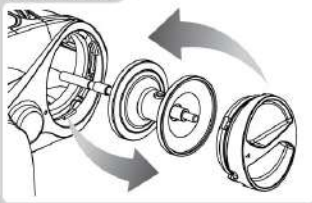
Operation sequence

- ① : Make OFF by isolating power code from reel.
- ② : Turn SPOOL COVER DIAL to counter-clock wise like arrow direction and separate from reel body.[picture 19]
- ③ : Take out existing spool and replace with alternative spool. [picture 20]
- ④ : Set arrow in SPOOL COVER DIAL to "●" dot, then turn to clockwise. [picture 21]
- ⑤ : Connect power code and pushing PICK UP button simultaneously.
- ⑥ : Continuously push 0-SET button not only at the beginning also beeper is ringing.
- ⑦ : By pushing PICK UP button, select SPOOL number [picture 22]
- ⑧ : Complete by pushing MEMO button [picture22]

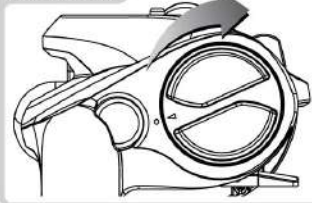
picture 19



picture 20



picture 21



picture 22

SPL
1



SPL
2



SPL
2 OK



Attention

- ❶ When spool change, you must OFF the power.
- ❷ When spool change, be cautious to drop spool.
- ❸ When tension knob is tightened, spool change could be difficult. Please slightly release tension knob.
- ❹ If the changed spool and set spool number are different, line capacity could be different.

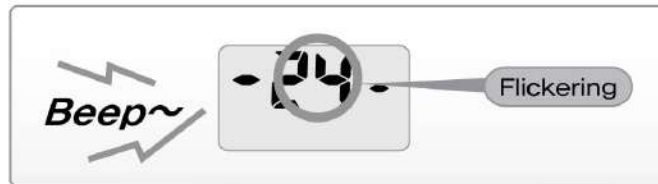
Safety function

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 disappears in 5 seconds.
- ② In the event, the electric pressure is low, the battery marks will be lighted.
* Exchange battery or recharge it.



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



9

Safety function

2 Memory back up

- When you are doing fishing, relax even though the cord or clip is pulled out unexpectedly. The depth of water or the other data is kept and memorized for 15 minutes.



Attention

- ❶ Do not wind or release fishing line when power cord is pulled out. It will be error for depth counter.

3 Over load control

- When overload takes to motor, brake operates and halt motor for motor protection.
- If you drag the speed lever down and up, it works properly.



Attention

- ❶ The surface of water 0's point is a different function from "the neighboring stop point"
- ❷ Please don't release and recover the line at the position of power off. The counter error may occur.
- ❸ Please perform the recovery in the relieved load.

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"> ● In the case of connecting. ● Disconnection of power supply.. ● Battery's electric pressure is not enough. 	<ul style="list-style-type: none"> ● Connect correctly. ● Talk with the shop. ● Charge it or check another battery.
"Counter display's error is big."	<ul style="list-style-type: none"> ● Error in setting up of fishing line. ● Error in growing long fishing line. 	<ul style="list-style-type: none"> ● Input fishing line again. ● Input fishing line again.
"Automatic winding does not work."	<ul style="list-style-type: none"> ● 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) 	<ul style="list-style-type: none"> ● 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.

Key No.	Parts Name	Key No.	Parts Name	Key No.	Parts Name	Key No.	Parts Name
1	FRONT COVER-B	36	SPOOL COVER	71	GEAR SIDE COVER ASSEMBLY	106	STOPPER ASSEMBLY
2	SCREW	37	SCREW	72	SCREW	107	SCREW
3	SCREW	38	WASHER	73	WASHER	108	BALL BEARING
4	CONTROL BOX ASSEMBLY	39	BALL BEARING	74	SPRING WASHER	109	RETAINER
5	SCREW	40	RING	75	LEAF SPRING ASSEMBLY	110	BEARING PLATE
6	SCREW	41	SPOOL ASSEMBLY (BALL BEARING)	76	SPRING WASHER	111	GEAR METAL
7	FRONT COVER-A	42	PALM SIDE COVER	77	WASHER	112	RATCHET
8	RETAINER	43	LOCK PIN	78	STAR DRAG ASSEMBLY	113	WASHER
9	WASHER	44	COIL SPRING	79	WASHER	114	WASHER
10	BUSH	45	LOCK HOLDER	80	HANDLE ASSEMBLY (2 BALL BEARING)	115	WASHER-D1
11	PILLAR	46	TAP SCREW	81	NUT	116	WASHER
12	WORM SHAFT	47	FRAME ASSEMBLY	82	RETAINER	117	DRIVE GEAR
13	LEVEL WIND ASSEMBLY	48	LINE STOPPER	83	SCREW	118	WASHER-D2
14	LEVEL WIND PIN	49	BALL BEARING	84	O-RING	119	CLICK GEAR
15	WASHER	50	BEARING COLLAR	85	WASHER	120	CLICK HOLDER ASSEMBLY
16	NUT	51	SUN GEAR ASSEMBLY	86	WASHER	121	COLLAR
17	PIPE	52	GEAR SHAFT ASSEMBLY	87	SPEED LEVER	122	SLEEVE
18	RETAINER	53	WASHER	88	O-RING	123	SPOOL GEAR
19	BUSH	54	BEARING	89	LEVER CAP	124	SPRING
20	WASHER	55	INTERNAL GEAR	90	COIL SPRING	125	KICK LEVER
21	RETAINER	56	BALL BEARING	91	CLICK PIN	126	SCREW
22	TRAVERSE GEAR	57	WASHER	92	CLICK PLATE	127	SCREW
23	RETAINER	58	RETAINER	93	RETAINER	128	THUMB BAR
24	NUT	59	PINION	94	RING	129	T-NUT
25	SPRING WASHER	60	WASHER	95	CONTROL PLATE	130	CLUTCH PLATE
26	SCREW	61	SCREW	96	WASHER	131	SCREW
27	C-PLATE	62	SCREW	97	WASHER	132	CLUTCH CAM
28	CONNECTOR ASSEMBLY	63	SCREW	98	WASHER	133	PLATE-A
29	WATER CAP	64	WIRE COVER	99	WASHER	134	SCREW
30	SCREW	65	SCREW	100	TENSION KNOB	135	CLUTCH BAR
31	SCREW	66	FLIPPING LEVER	101	SCREW	136	COIL SPRING
32	MOTOR COVER ASSEMBLY (ONE WAY CLUTCH)	67	CAM SPRING	102	WASHER	137	SPARE SPOOL ASSEMBLY (BALL BEARING)
33	O-RING-A	68	RING	103	BALL BEARING	138	PACKING M
34	MOTOR ASSEMBLY	69	RING	104	JOINT GEAR	139	O-RING
35	SPOOL COVER DIAL	70	BUSHING	105	METAL COLLAR		
					FRAME COVER		

MEMO

A large, empty rectangular box with rounded corners, intended for writing the memo content. The box is defined by a thin black border and occupies the majority of the page's vertical space below the header.

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