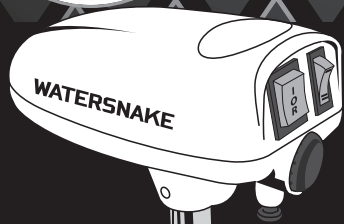
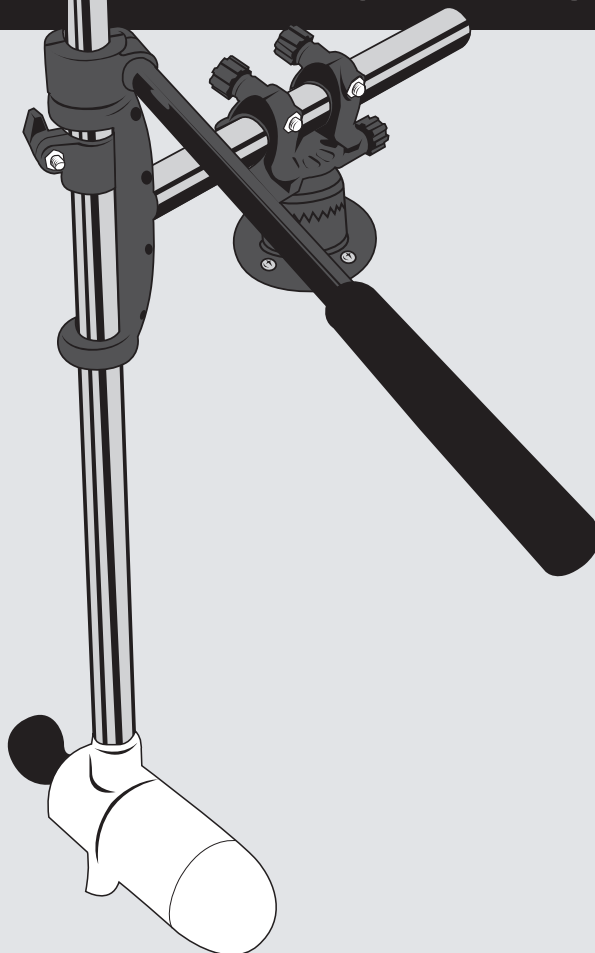




WATERSNAKE[®]
ELECTRIC MOTORS



ASP
KAYAK MOTOR
BRACKET COMBO
OWNERS MANUAL





SPECIFICATION SUMMARY

MODEL	ASP T-18 (Saltwater)
VOLTAGE (V)	12
MAX.THURST (LB)	18
SHAFT LENGTH (IN)	24
MIN AMP DRAW (A/H)	7
MAX AMP DRAW (A/H)	15
PROP	2 BLADE
MOUNTING	TRANSOM
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	20 - 40 AMP HOUR **

MODEL	ASP T-24 (Saltwater)
VOLTAGE (V)	12
MAX.THURST (LB)	24
SHAFT LENGTH (IN)	24
MIN AMP DRAW (A/H)	9
MAX AMP DRAW (A/H)	20
PROP	2 BLADE
MOUNTING	TRANSOM
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	20 - 40 AMP HOUR **

**** NOTE** - this is to be used as a guide only. Check with your battery supplier to confirm required size of 12 volt deep cycle marine battery that will be appropriate for your situation.

PLEASE NOTE - Please ensure this Watersnake motor is not your only means of propulsion. Please follow the marine safety guide lines set by your state or country of use.



PRE INSTALLATION CHECKLIST

- Familiarise yourself with the user manual and the various parts of your Watersnake motor
- Select desired mounting location on boat. Ensure there is access to properly fit the bracket in the location selected.
- 12 v deep cycle marine battery (your Watersnake motor is not designed for use with car / truck / motorcycle type batteries) – for more information about appropriate batteries for your Watersnake motor, refer to page 10
- Check battery cable length in relation to location of your 12v deep cycle marine battery. If extension to battery cable is required, refer to table on page 10
NOTE – if extending battery cable ensure that the circuit breaker remains in place on the positive wire

PRE-USE CHECKLIST – CHECK BEFORE EACH USE

- Ensure that your Watersnake motor is securely attached to your boat (refer to page 4 of manual)
- Fully charged 12v deep cycle marine battery (your Watersnake motor is not designed to be used with a car / truck / motorcycle type battery)
- Check battery cable for any signs of damage or exposed wiring
- Check terminals for any signs of corrosion or debris
- Check fuse assembly / circuit breaker – clean if any signs of corrosion or debris. Replace fuse if necessary. (If your motor is equipped with one.)

THE BELOW INFORMATION IS FOR THE USA ONLY.



WARNING: This product can expose you to chemicals including Lead and Lead Compounds, which is known to the state of California to cause Cancer, Birth Defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



WATERSNAKE ELECTRIC MOTORS

Congratulations and welcome to a world of silent motoring.

Powerful yet silent, the Watersnake electric motors are built to suit all angling conditions. High quality materials, superior design and precision engineering make these motors longwearing and reliable.

Please read manual completely before starting installation.

INSTALLING YOUR MOTOR

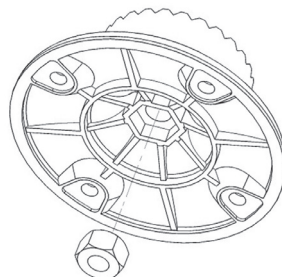
Please note: In order to install this bracket, you will need access inside your kayak to be able to tighten the bracket screws that will go through the surface of the kayak. Consider where you wish to attach the bracket with this in mind, and also for ease of use when using the kayak itself and operating the motor.

Please Note:

Watersnake Distribution or affiliated companies accepts no liability for personal injury or property damage caused while drilling/mounting this bracket. Please wear appropriate protective clothing and eyewear/ face shield.

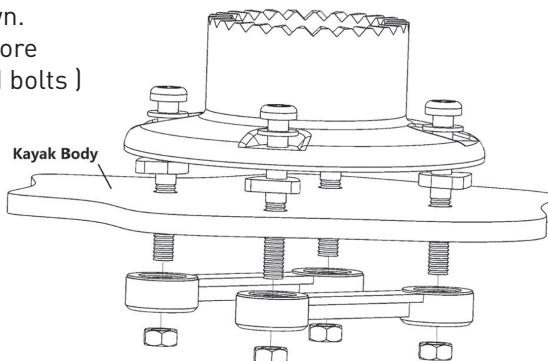
Step 1

Ensure the nut is fitted firmly inside of the pocket underneath the base.



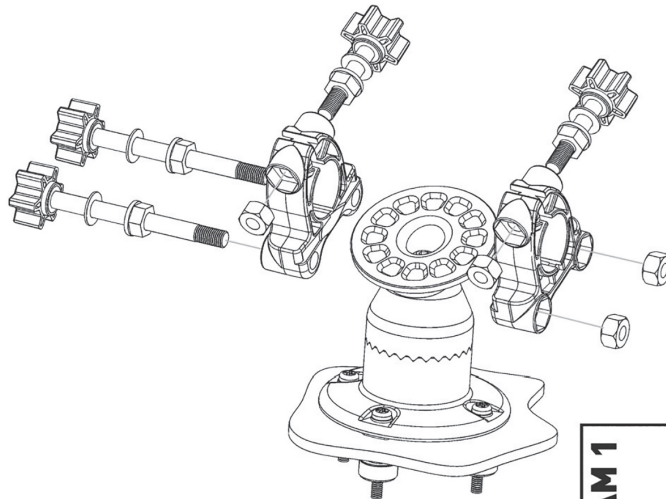
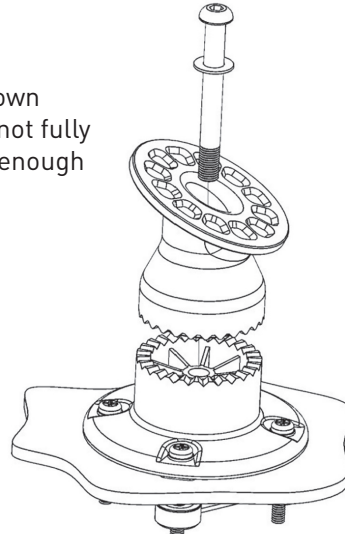
Step 2

Place the base on your Kayak where you wish to position the bracket and mark pilot holes. Carefully drill pilot holes. Attach bracket base to your Kayak using the bolts, washers and nuts provided. remember to put the base cushions between the kayak body and the base of the bracket as shown. (See parts list schematic for more details on order of washers and bolts)



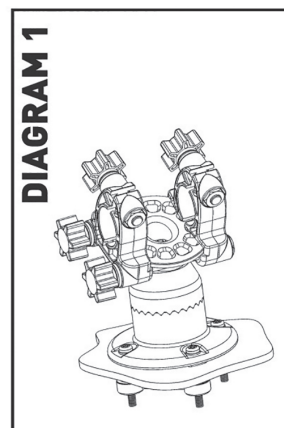
Step 3

Place the inclined plate on the base as shown and screw the provided bolt into place. Do not fully tighten the bolt at this stage just tighten it enough to hold the parts in place.



Step 4

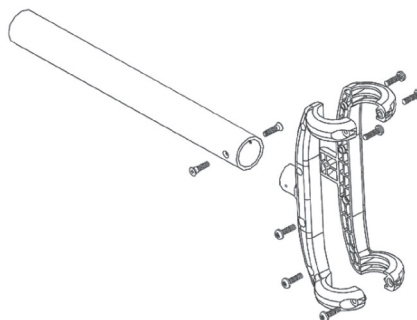
Assemble the two swivel clamps as shown. Do not fully tighten the bolts at this stage, just tighten it enough to hold the parts in place. Once constructed your unit should look like diagram 1.





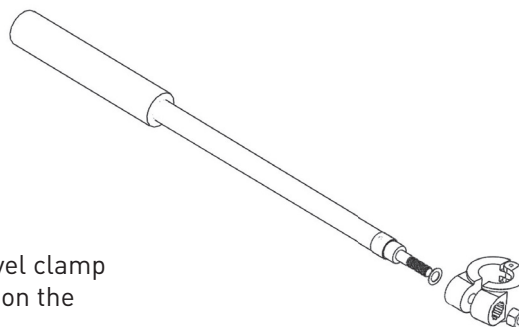
Step 5

Attach the jack beam to the motor as shown using the screws provided.



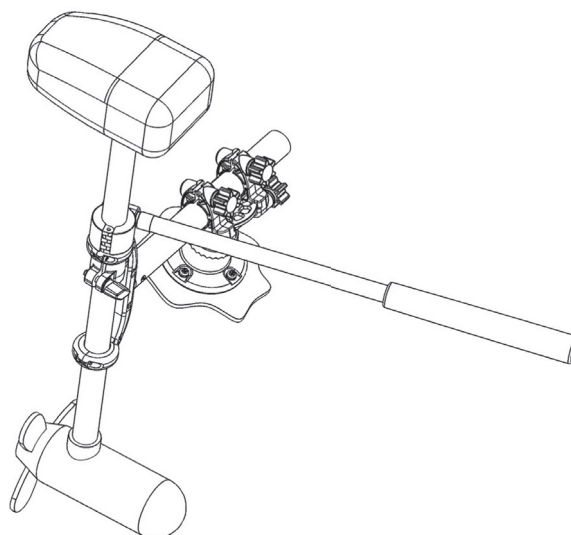
Step 6

Assemble the depth adjustment clamp and the steer handle as shown.

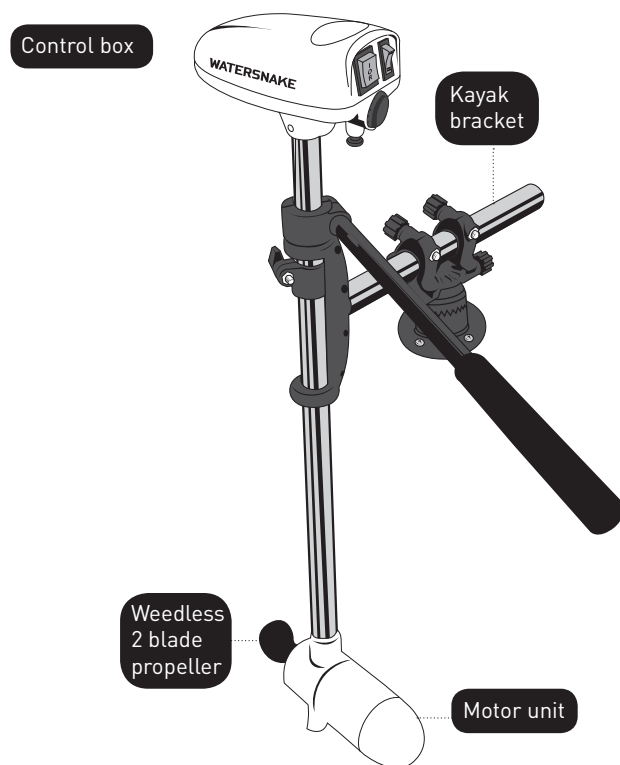


Step 7

Slide the jack beam into the swivel clamp and tighten all screws and bolts on the bracket

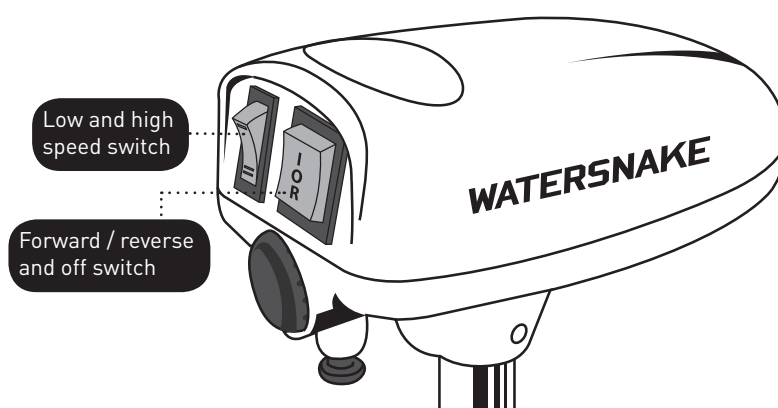


ASP



HEAD UNIT & SPEED CONTROL

The Head units controls are easy to use. There is a switch for forward and reverse (F o R) and a switch for low (-) or high speeds (=).

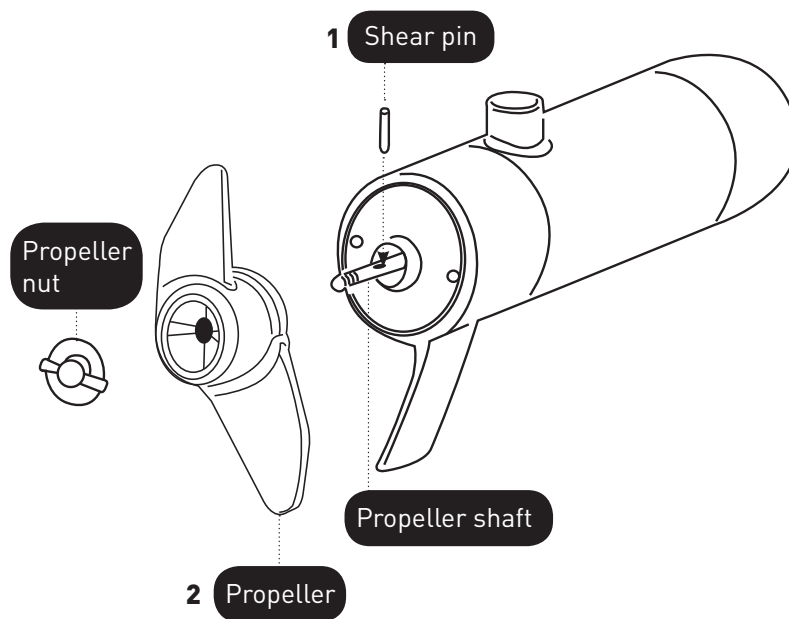




ATTACHING THE PROPELLER

Before doing anything with the propeller, ensure the cables to the battery are disconnected.

- 1: Place shear pin in shaft as shown.
- 2: Align the propeller against the shear pin on the shaft
(there is a groove on the back of the propeller which the shear pin needs to slot into) and then tighten the propeller nut securely.





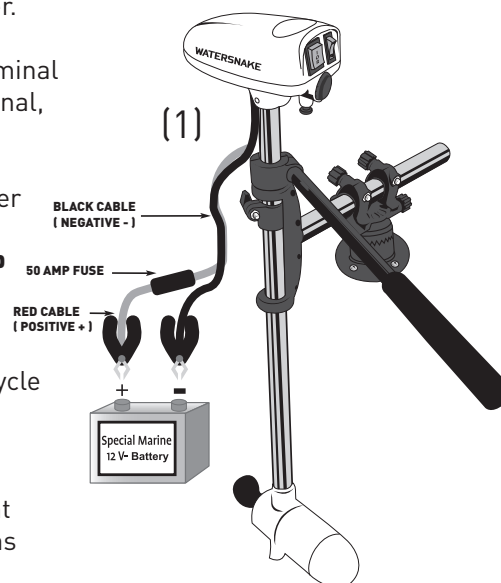
ELECTRICAL CONNECTIONS

Before connecting the motor's cables to the battery terminals, ensure all switches are in the OFF position and stand clear of the propeller.

Connect the red cable to the positive (+) terminal and the black cable to the negative (-) terminal, making sure the terminals are clean before doing so. A clean connection will minimise power wastage and give you maximum power from the battery.

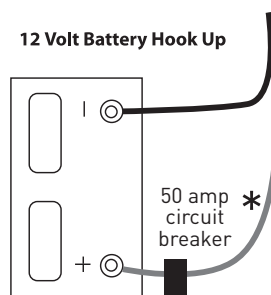
Please Note: for best performance please keep battery terminals and connections clean.

There are a number of different methods of connecting battery leads to your 12v deep cycle battery. Your Watersnake motor is supplied as standard with alligator clip type terminal connectors although this can be changed to suit your particular set up. If fitting different terminal connectors ensure that connections are soldered and sealed appropriately. It is recommended to use heat shrink to seal any exposed joints in wiring or connectors. Any non-standard terminal connections must be capable of handling a minimum of 50 amps. Anderson plugs are a popular choice amongst many Watersnake motor owners and are readily available.



A Watersnake circuit breaker is highly recommended. Attach to the red power cable to protect the circuit boards of the motor. As shown on diagram 1. This is a connection that joins the motor battery cable to the battery and shuts the motor off if the connection over heats. See Watersnake circuit breaker on page 20. Available as a separate purchase.

We recommend using a deep cycle marine battery for optimum performance.





WIRE EXTENSION LENGTH	SUGGESTED WIRE GAUGE
1m	10 AWG
3m	8 AWG

Note that above table is intended as a guide only. Your local electrical supplier will be able to advise in greater detail based on your particular set up and requirements.

DEEP CYCLE BATTERIES

A 12v deep cycle marine battery is required for normal operation and continued use of your Watersnake motor. 12v deep cycle marine batteries are constructed using thicker plates and a denser active material. They are built to withstand repeated charge and recharge cycles. Deep cycle marine batteries are specifically designed to deliver sustained power with low current draw over extended periods of time. Car / Truck / Motorcycle batteries are not designed in the same way and are more useful for providing high bursts of power for short periods. Use of car / truck / motorcycle batteries can cause damage to electronic components within your Watersnake motor.

BATTERY CHARGING

- Do not attempt to charge your battery while your Watersnake is still connected to the battery.
- Do not connect your Watersnake motor to a battery that is connected to your main motor's charging system (alternator).
- It's important to note that a fully charged 12v deep cycle battery will actually provide more than 12v (refer to your battery supplier for more information) and at 12v or less your Watersnake motor may not operate normally.
- Do not connect your Watersnake motor directly to solar panels.

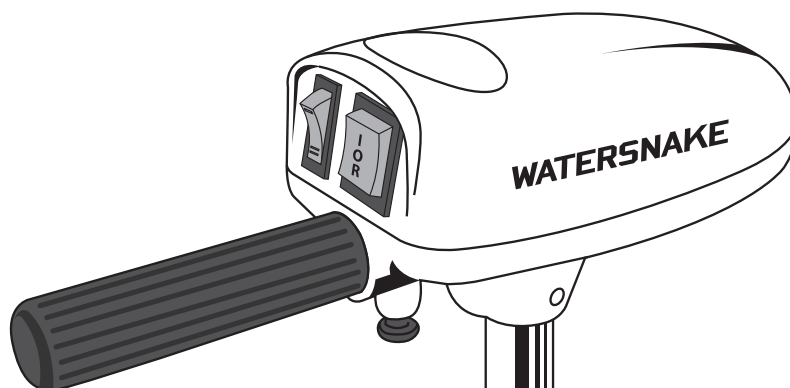
STOWING

When your Watersnake motor is not in use always stow and store it properly.

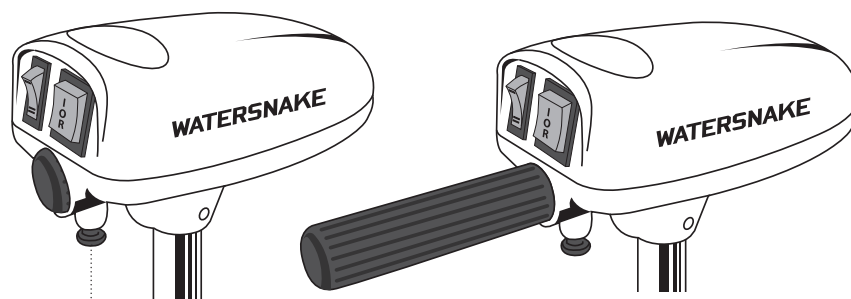
ASP

HEAD UNIT & SPEED CONTROL

The Head units controls are easy to use. There is a switch for forward and reverse (I o R) and a switch for low (-) or high speeds (=).



The handle of the motor head is stowable and extends with the pull of a button. This makes the motor more compact and easier to store away when not in use.



Pull button to
extend handle.



MAINTENANCE

Your Watersnake Electric Motor should provide many seasons of dependable service. However, like any tool, electric motors must be cared for.

After each day of fishing, the motor should be cleaned thoroughly. A light rinse with fresh water (do not direct a high pressure stream of water at the motor) and wash with warm soapy water to remove any remaining salt / debris particles should be completed. It is good practice to pay particular attention to areas that are likely to hold salt / debris particles such as the shaft of the motor and the area surrounding the transom mount bracket.

NOTE – The above cleaning routine should also be followed even if the motor has been used in fresh water. Dust / dirt can still build up in fresh water environments.

Dry excess moisture from the motor and sparingly lubricate all friction points – a pressurized spray lubricant is ideal. It is important to keep the shaft of your motor as smooth as possible to avoid deployment issues. A light coat of wax or a coating with a spray lubricant should be applied to the shaft a couple of times a year.

Periodical general maintenance (once or twice a year depending on use)

- Check for any loose screws / bolts / fittings and tighten as required.
- Check wiring / terminals for any sign of corrosion or build up of debris
- Check fuse or circuit breaker for any sign of corrosion or build up of debris



RECOMMENDATIONS WHEN USING YOUR WATERSNAKE MOTOR IN THE WATER

Upon connecting your battery to your motor, and before setting off in your boat, make sure that your trolling motor is mounted correctly. Of course once you engage your Watersnake motor for use make sure that it is in the right place, not too low or too high. It is recommended not to run your trolling motor out of water for long periods of time.

RECOMMENDATIONS WHEN YOUR WATERSNAKE MOTOR IS OUT OF THE WATER

After washing down your Watersnake motor at the end of a session, you may need to charge your 12v deep cycle marine battery. Before charging your battery, ensure that your Watersnake motor is disconnected from the battery. DO NOT leave your motor connected whilst charging your battery.

If your boat is not stored under cover, it is recommended to remove your Watersnake motor and store separately under cover, out of direct sunlight and away from wet or damp areas. If you are not able to remove your Watersnake from the boat, we recommend covering your Watersnake with a weatherproof cover to protect the electronics.

The off-season provides a good opportunity to complete some maintenance as outlined on page 11.

When towing your boat long distances and especially if driving over rough / unsealed roads, we strongly recommend that you remove your Watersnake motor from your boat and stow safely in either your vehicle or boat.



SHORT-TERM STORAGE OF YOUR WATERSNAKE MOTOR

If you are going to be gone for a short break or there is rain forecast and the motor is to remain on the boat, we recommend covering the motor to protect the electronics. Even better, make sure that you have a safe non-damp area that your trolling motor can stay in room temperature.

LONG-TERM STORAGE OF YOUR WATERSNAKE MOTOR

If you are not going to use your motor in the off-season, put your motor in a safe place where no water or extreme cold or hot temperatures can get in. We suggest making a place under-cover away from moisture, this should protect the electronics such as the circuit board and speed control unit.

SERVICING YOUR WATERSNAKE ELECTRIC MOTOR

A current list of authorised service agents can be found at Jarvis Walker's Anglers Central Service Centre website – www.anglerscentral.com.au

Schematics and parts lists are also available from the Anglers Central Service Centre website.

TROUBLESHOOTING QUICK REFERENCE GUIDE

A significant number of issues can be caused by a disruption of power supplied to your Watersnake motor. Careful inspection of your 12v deep cycle battery, wiring and fuse / circuit breaker set up should be completed before assuming that there is a fault with your motor.

No power / Reduced power

- Check that battery connection has not been reversed (reversed polarity)
- Check that your 12v deep cycle battery is fully charged (+ 12v)
- Check terminals / connections are secure and not loose
- Check terminals / connections / fuse or circuit breaker for any signs of damage, corrosion or build up of debris
- If battery lead has been extended, ensure correct gauge wire has been used (refer to table on page 8 of manual)
- Remove propeller and check for any build up of fishing line / weed or any other debris
- Check that propeller pin (shear pin) is in place
- Armature or magnet cracked or dislodged – grinding noise will come from motor (CONTACT REPAIR AGENT)

**Noise or vibration coming from motor**

Check that propeller is securely tightened and shear pin is in place

Remove propeller and check for any build up of fishing line / weed or any other debris

- Check that your 12v deep cycle marine battery is fully charged (+ 12v)

Difficulty deploying or stowing

- Check for any obstructions within the mounting bracket
- Lubricate shaft with spray lubricant

A number of service videos are available on the Jarvis Walker Brands Youtube channel – search “Jarvis Walker Brands” from the Youtube search function. Please contact Jarvis Walker or your nearest service agent should issues persist.

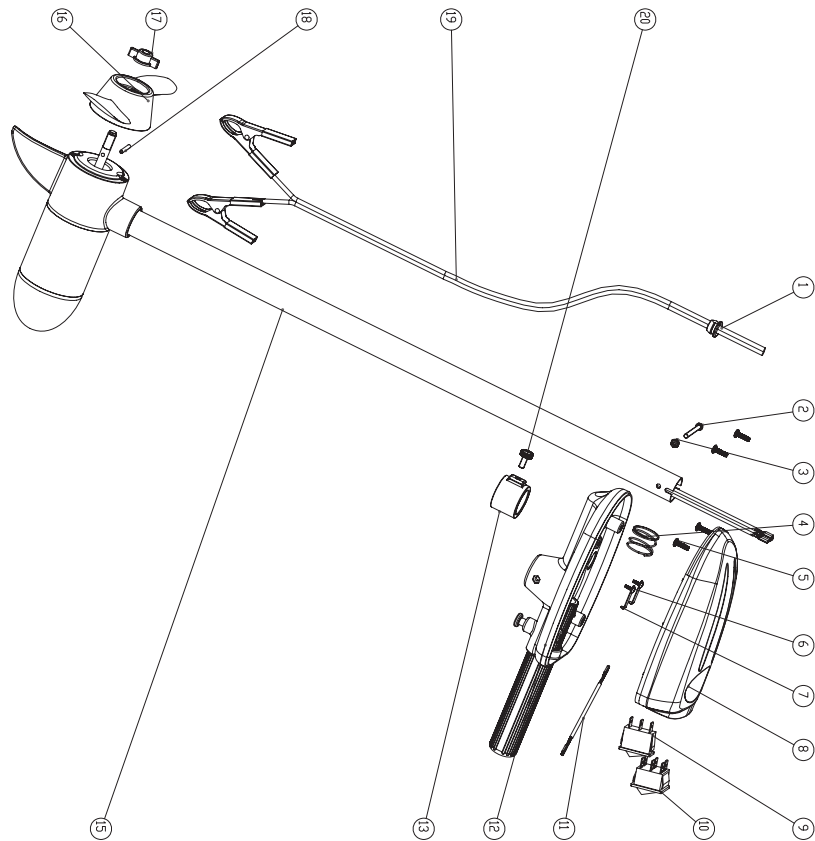


MODEL SPECIFICATIONS

CODE	MOTOR DESCRIPTION	THRUST	VOLT	AMPS	WATTS	RPM	SHAFT	BRACKET	STEERING	SPEEDS	PROP
55526	ASP T-18 WHITE	18lb	12v	7-15	84-180	1700	24"	Kayak	Hand	Hi-Low	2-Blade
55527	ASP T-24 WHITE	24lb	12v	9-20	108-240	1900	24"	Kayak	Hand	Hi-Low	2-Blade

Model range and specifications are correct at time of printing.
For new models not listed here find specifications at: www.watersnake.com.au



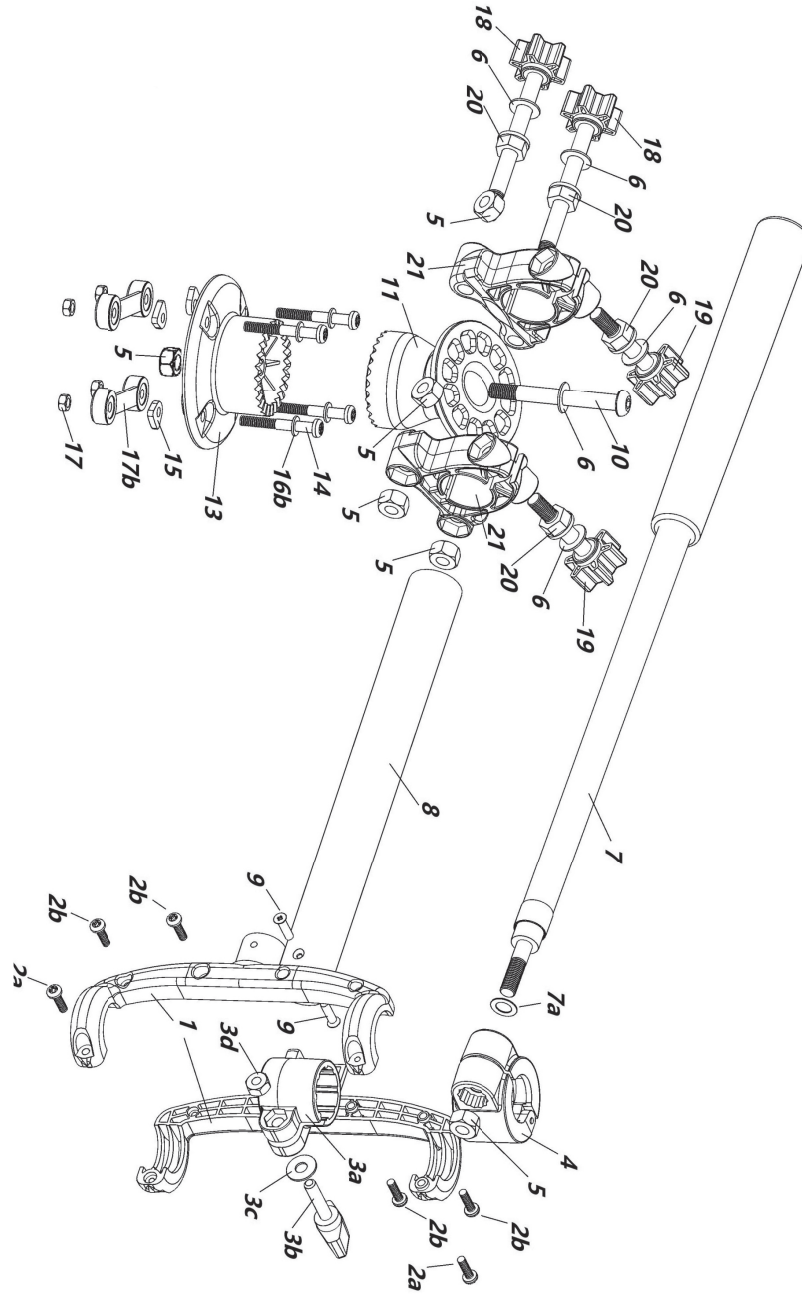


T18 Series

No.	Drawing No.	Part Name	Qty
20	IPK, 904, 059, 00	bolt	1
19	IPK, 647, 006, 00	main battery wire	1
18	IPK, 264, 157, 00	pin	1
17	IPK, 939, 001, 00	prop nut	1
16	IPK, 325, 004, 86	prop	1
15	IPK, 062, 079, 00	motor assy (T18-SW)	1
	IPK, 062, 044, 00	motor assy (T18-FW)	1
13	IPK, 242, 123, 00	depth adjust collar assy	1
12	IPK, 171, 040, 01	bottom cover assy (T18-SW)	1
11	IPK, 647, 007, 00	bottom cover assy (T18-FW)	1
10	IPK, 330, 005, 00	wire assy	1
9	IPK, 330, 006, 00	switch	1
8	IPK, 076, 055, 70	top cover (T18-SW)	1
7	IPK, 076, 055, 00	top cover (T18-FW)	1
6	IPK, 265, 008, 00	press patch	2
5	IPK, 903, 023, 06	bolt	4
4	IPK, 382, 152, 08	spring	1
3	IPK, 379, 059, 00	locking nut	1
2	IPK, 902, 213, 00	bolt	1
1	IPK, 667, 025, 00	battery wire clip	1



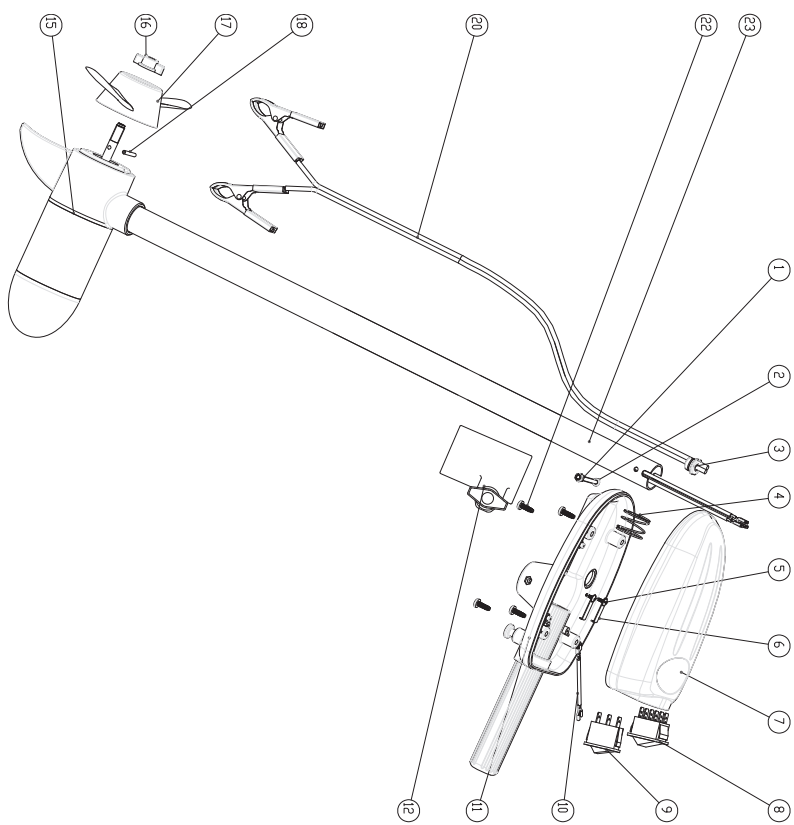
WATERSNAKE®
ELECTRIC MOTORS



Parts List:

Item	Part Number	Description	QTY
1	KB001	JACK BODY	2
2a	KB002a	JACK BODY SCREW M4x14	2
2b	KB002b	JACK BODY SCREW M4x17	4
3a	KB003a	STEER LOCKER BODY	1
3b	KB003b	STEER LOCKER SCREW	1
3c	KB003c	STEER LOCKER WASHER	1
3d	KB003d	STEER LOCKER NUT	1
4	KB004	DEPTH ADJUSTER CLAMP ASSY	1
5	KB005	GB M8 NUT	6
6	KB006	GB M8 WASHER	5
7	KB007	STEER HANDLE ASSY	1
7a	KB007a	STEER HANDLE WASHER	1
8	KB008	JACK BEAM	1
9	KB009	JACK BEAM SCREW	2
10 new	KB010	GB M8 x 70 BOLT	1
11 new	KB011	INCLINED PLATE	1
13 new	KB013	BASE	1
14	KB014	GB M5 x 40 SCREW	4
15	KB015	BASE CUSHION	4
16b	KB016b	GB M5 WASHER	4
17	KB017	GB M5 NUT	4
17b new	KB017b	GB M5 NUT RETAINER	2
18	KB018	M8 x 90 SCREW	2
19	KB019	M8 x 45 SCREW	2
20	KB020	M8 SPACER	4
21	KB021	SWIVEL CLAMP	2

ASP T-24 MOTOR



23	HP8, 626, 041, 24	shaft	1
22	HP8, 626, 041, 27	shaft	1
	HP8, 903, 039, 00	bolt	4
20	HP6, 647, 006, 00	main battery wire	1
18	HP8, 264, 157, 00	pie	1
17	HP8, 325, 004, 86	prop	1
16	HP8, 939, 001, 00	prop nut	1
	HP6, 002, 219, 00	motor assy (SWT24)	1
15	HP6, 002, 197, 00	motor assy (T24)	1
12	HP6, 257, 000, 00	depth adjust collar assy	1
	HP6, 171, 040, 01	bottom cover assy (SWT24)	1
11	HP6, 171, 040, 00	bottom cover assy (T24)	1
10	HP6, 647, 007, 00	wire assy	1
9	HP7, 330, 006, 00	switch	1
8	HP7, 330, 005, 00	switch	1
	HP8, 076, 055, 70	top cover (SWT24)	1
7	HP8, 076, 055, 00	top cover (T24)	1
6	HP8, 263, 088, 00	press patch	2
5	HP8, 903, 023, 06	bolt	2
4	HP8, 382, 152, 08	spring	1
3	HP8, 667, 025, 00	battery wire clip	1
2	HP8, 902, 215, 00	bolt	1
1	HP8, 379, 059, 00	locking nut	1
NO.	Drawing NO.	Part Name	Qty

T24 Series

ASP

**WATERSNAKE ASP MOTOR ACCESSORIES SOLD SEPERATLY
(SEE YOU NEAREST DEALER FOR MORE INFORMATION)**

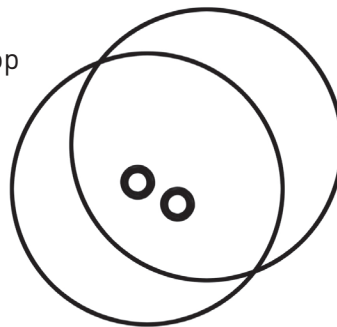
Watersnake ASP Propeller Kit (Sold Separately)

Watersnake Propeller kits contain a propeller, nut and shear pins. It is recommended you keep a spare propeller on your boat at all times.



55500

2 Blade Mini Prop
(18lb-24lb)



55566

Lower motor
unit O ring Kit
for ASP (18lb-24lb)

Contents:

2 Screw O Rings
2 Outer case O Rings



55550

Lower motor unit
brush kit for
ASP (18lb-24lb)

Contents:

2 Springs.
2 Brushes
2 Holders
2 Screws

PLEASE NOTE:

Spare parts may not be available in all areas. Please check with your local stockist. Online ordering available please see back page for details.



Watersnake Trolling Motor Connectors

Watersnake Motor Connector Plugs makes it very quick and simple to remove and replace your motor from the boat as well as providing a better connection to your power source. Available in a 12v plug.



55505

12V Male
2 Wire



55506

12V Female
2 Wire



Watersnake Circuit Breaker

This simple-to-install kit is a must-have to protect your electric motor: the circuit breaker activates in situations where your motor becomes over-loaded.

55516

PLEASE NOTE:

Spare parts may not be available in all areas.
Please check with your local stockist.
Online ordering available please see back page for details.

Watersnake

THE BELOW INFORMATION IS FOR THE USA ONLY.



Watersnake Limited One Year Warranty (USA)

All watersnake products are covered by a one year Limited Warranty covering faults in workmanship and materials from the date of original retail purchase. The purchaser should return the defective product postage prepaid, insured, with proof of purchase (a dated sales receipt) and the reason for return to the address below:

**Innovative Procurement
124, Opportunity Rd, Camdenton,
MO 65020, United States
PH: +1 573-346-7447**

Online Store for spare parts and accessories: watersnakeusa.com

Note: Residents of Hawaii, Alaska, and U.S. territories shall be billed for return shipping via registered priority mail. Watersnake will repair or replace the product at its option and return direct to purchaser.

Terms

This Limited Warranty does not cover Watersnake products damaged due to abuse, misuse, normal wear, or excessive wear caused by neglect of cleaning and lubrication required or general service requirements due to owner's failure to provide reasonable and necessary maintenance.

This Warranty does not extend to products which are put into commercial use. Commercial use is defined as any work or employment related use of the product which generates income.

Watersnake products not covered by this Limited Warranty may be repaired at a nominal charge to the purchaser, provided parts are available and the product is returned with return postage prepaid.

The warranties described herein shall be the sole and exclusive warranties granted by Watersnake and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and time period described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Watersnake to the purchaser with regard to this product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. Watersnake shall not be liable or in any way responsible for any damages or defects caused by repairs or attempted repairs performed by anyone other than a Watersnake authorised service agent. Watersnake reserves the right to amend or change this Limited Warranty at any time. This Limited Warranty is non-transferable. The provisions of this Limited Warranty are in addition to, and not a modification of, or a subtraction from, the statutory warranties and other rights and remedies contained in any applicable legislation. To the extent that any provision of this Limited Warranty is inconsistent with any applicable law, such provision shall be deemed voided or amended as necessary, to comply with such law.

"ALL INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM THIS WARRANTY INSERT. IMPLIED WARRANTIES ARE LIMITED TO THE LIFE OF THIS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF THE INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS THAT MAY VARY FROM STATE TO STATE."

For Your Records:

Model Number:.....

Serial Number:.....



CONTACT INFORMATION

REGION/COUNTRY	DISTRIBUTOR	PHONE
Asia Pacific		
Australia	Jarvis Walker	+61 3 8787 6900
New Zealand	Brittain Wynyard	+64-9 309 0519
USA		
USA	Innovative Procurement, LLC	+1 573 346 7447
Africa		
South Africa	Apex Walker	+27 11 7920 611
Europe		
Italy	Europesca Sport	+39 06 6500 2449
Sweden	Wiggler AB	+0303 798 744
United Kingdom	Masterline Walker	+44 0 1684 299 000

Spare Parts:
Anglers Central Service Centre
To order spare parts online visit:
www.anglerscentral.com.au
Shipping Internationally

www.watersnake.com.au

Watersnake Distribution Pty. Ltd.
297-305 South Gippsland Highway
Dandenong South, Victoria 3175 Australia
ACN: 143 230 175

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