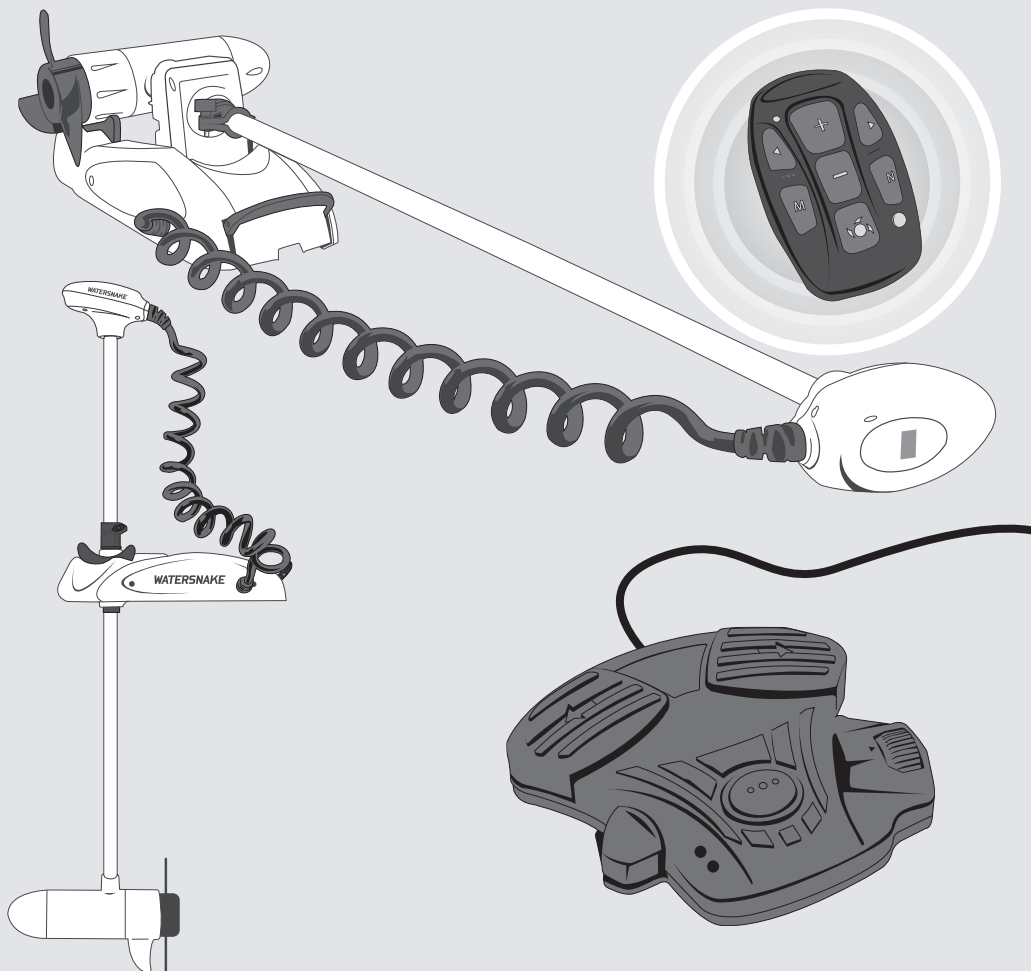




WATERSNAKE[®]
ELECTRIC MOTORS

SHADOW MK II

BOW MOUNT ELECTRIC MOTOR OWNERS MANUAL





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MODEL	SWNG 44/48 (SHADOW MK II)
VOLTAGE (V)	12
MAX.THURST (LB)	44
SHAFT LENGTH (IN)	48
MIN AMP DRAW (A/H)	11
MAX AMP DRAW (A/H)	44
PROP	3 BLADE
FOOT CONTROL	1
MOUNTING	BOW MOUNT
CIRCUIT BREAKER	1
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	60 - 80 AMP HOUR **

MODEL	SWNG 54/48 (SHADOW MK II)
VOLTAGE (V)	12
MAX.THURST (LB)	54
SHAFT LENGTH (IN)	48
MIN AMP DRAW (A/H)	13
MAX AMP DRAW (A/H)	54
PROP	3 BLADE
FOOT CONTROL	1
MOUNTING	BOW MOUNT
CIRCUIT BREAKER	1
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	80 - 100 AMP HOUR **

MODEL	SWNG 54/54 (SHADOW MK II)
VOLTAGE (V)	12
MAX.THURST (LB)	54
SHAFT LENGTH (IN)	54
MIN AMP DRAW (A/H)	13
MAX AMP DRAW (A/H)	54
PROP	3 BLADE
FOOT CONTROL	1
MOUNTING	BOW MOUNT
CIRCUIT BREAKER	1
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	80 - 100 AMP HOUR **

SHADOW MK II

MODEL	SWNG 65/54 (SHADOW MK II)
VOLTAGE (V)	12
MAX.THURST (LB)	65
SHAFT LENGTH (IN)	54
MIN AMP DRAW (A/H)	11
MAX AMP DRAW (A/H)	50
PROP	3 BLADE
FOOT CONTROL	1
MOUNTING	BOW MOUNT
CIRCUIT BREAKER	1
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	80 - 120 AMP HOUR **

MODEL	NGRC 54/54 (SHADOW MK II)
VOLTAGE (V)	12
MAX.THURST (LB)	54
SHAFT LENGTH (IN)	54
MIN AMP DRAW (A/H)	13
MAX AMP DRAW (A/H)	54
PROP	3 BLADE
FOOT CONTROL	1
REMOTE HAND CONTROL	1
MOUNTING	BOW MOUNT
CIRCUIT BREAKER	1
REQUIRED BATTERY	12v DEEP CYCLE MARINE
MIN. RECOMMENDED BATTERY SIZE	80 - 100 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.



PRE INSTALLATION CHECKLIST

- Familiarise yourself with the user manual and the various parts of your Watersnake motor
- Select desired mounting location on boat
- 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

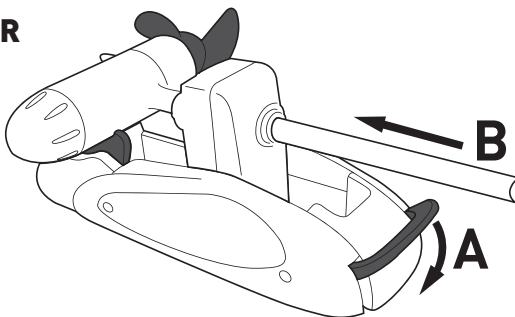
- Ensure that your Watersnake motor is securely attached to your boat (refer to page 6 of manual)
- Fully charged 12v deep cycle marine battery (your Watersnake motor is not designed to be used with a car / truck / motorcycle type battery)
- Check battery cable for any signs of damage or exposed wiring
- 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.

IMPORTANT PLEASE READ BEFORE USE.

HOW TO STOW AND DEPLOY YOUR WATERSNAKE BOW MOUNT ELECTRIC MOTOR.

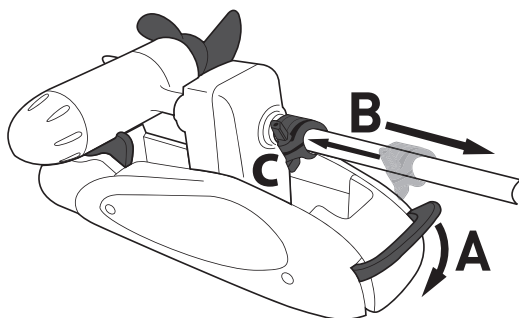
DEPLOYING YOUR MOTOR

To deploy the motor press down on the pedal **(A)** and simultaneously slide the shaft **(B)** through the gear box and lower carefully into the water.



STOWING YOUR MOTOR

To stow the motor press down on the pedal **(A)** and simultaneously slide the shaft **(B)** through the gear box until the lower motor unit sits back in the locking clamps. There should be a click sound locking the unit in position. In addition, then slide the Depth Collar **(C)** down the shaft to the Gear Box and then tighten the bolt on the Depth Collar so it is secure.



Ensure your motor is Properly stowed and secured before Driving and or moving your boat to avoid damage.

PLEASE NOTE:

Watersnake Distribution Pty Ltd accepts no liability for injury or damage caused by the incorrect deployment or stowing of this motor.



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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.

ATTACHING THE MOTOR TO YOUR BOAT

Attach the motor to the bow of the boat, taking care to ensure the motor is on the centreline of the boat and forward enough to avoid the shaft making contact with the boats gunwale rubber. With the motor in position, mark the holes for drilling, ensuring as you do that the bow area below the mounting location is clear and accessible.

Mount the plate to the bow using stainless steel bolts, nuts and washers. It is important when doing this work that the boat is level and the motor is mounted level.

Remove covers to expose

Mounting Plate.

After the Motor is Mounted
replace covers.

PLEASE NOTE:

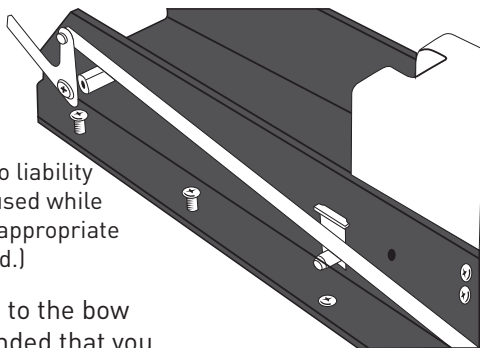
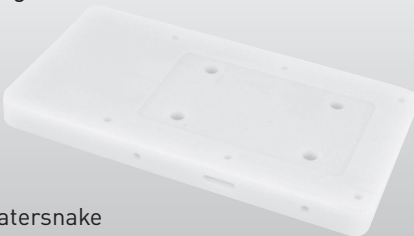
Watersnake Distribution Pty Ltd accepts no liability for personal injury or property damage caused while drilling/mounting this motor. Please wear appropriate protective clothing and eyewear/ face shield.)

If you do not want your motor attached to the bow of your boat at all times it is recommended that you purchase a Jarvis Marine quick release bracket.

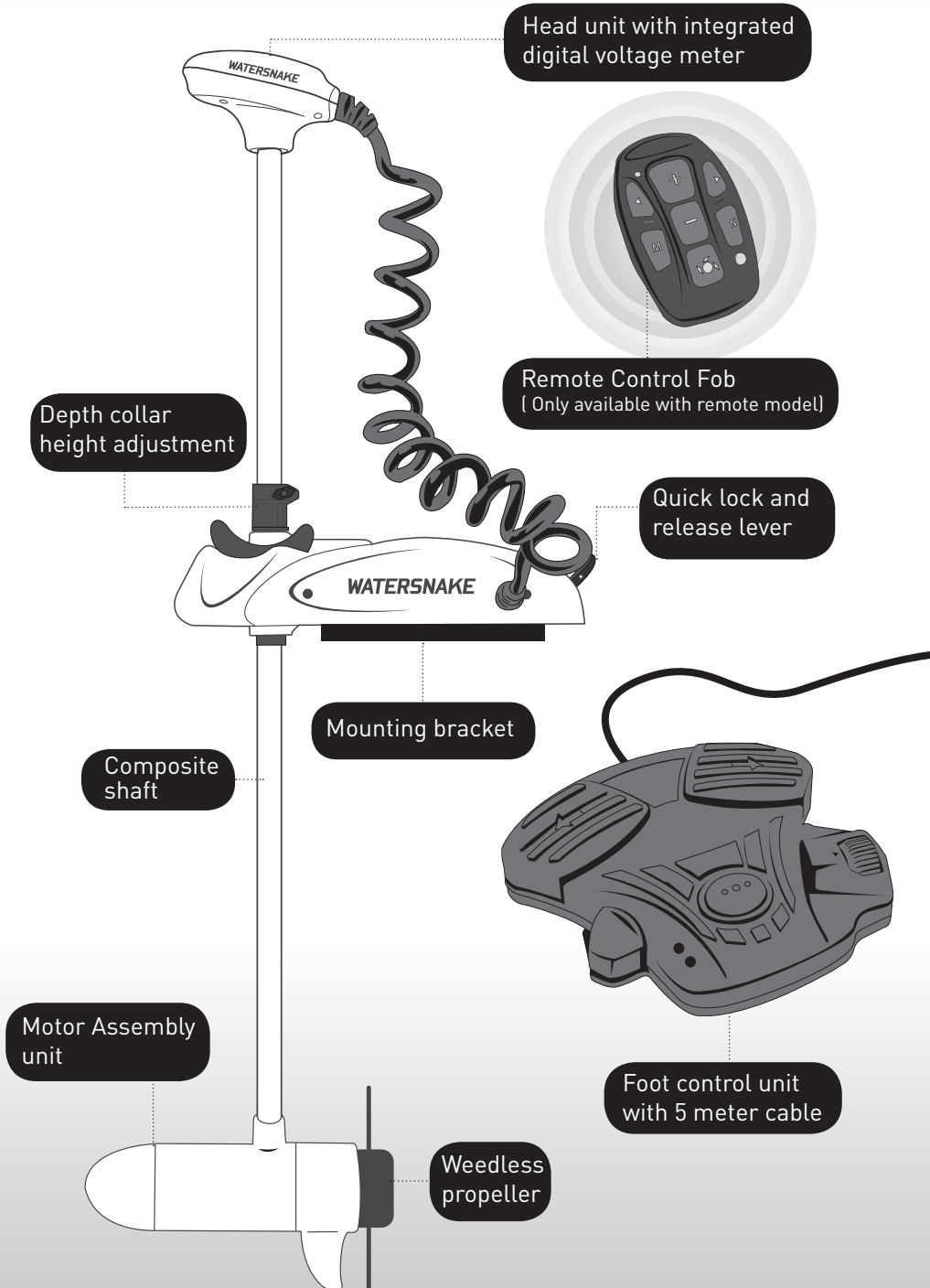
OPTIONAL QUICK RELEASE BRACKET (Sold Separately)

You can also mount your motor using a Jarvis Marine Quick release bracket, which allows you to easily attach or remove the motor to your boat, for transport and storage. Full mounting instructions are included with the brackets.

Nylon
Quick Release
Bracket JM55007



SHADOW MK II



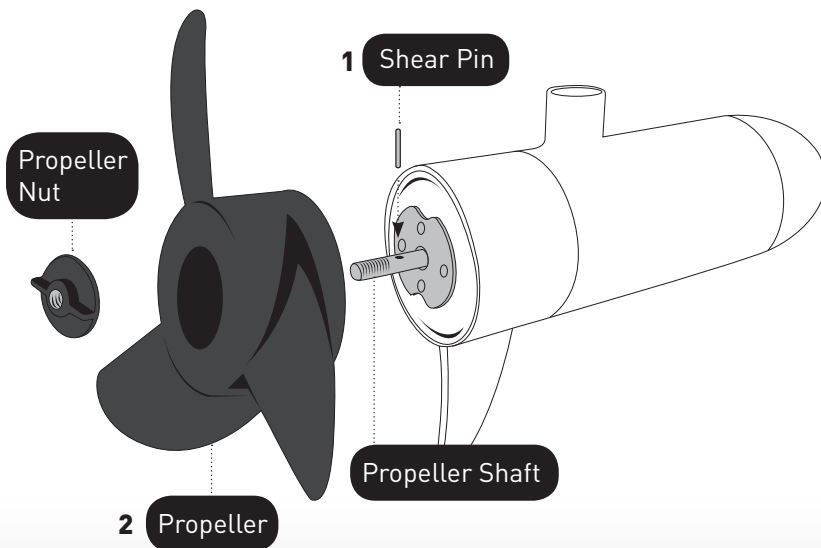


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ATTACHING THE PROPELLER

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.



SHADOW MK II

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.

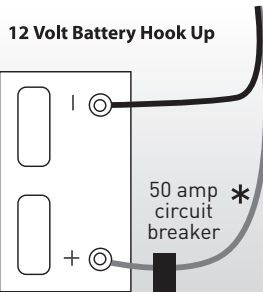
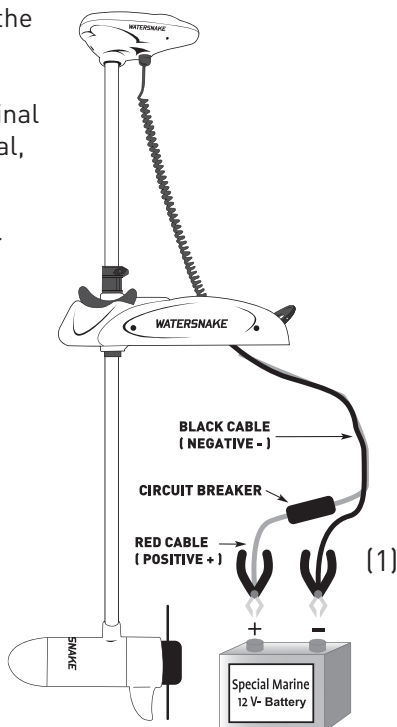
Connect the red cable to the positive (+) terminal and the black cable to the negative (-) terminal, making sure the terminals are clean before doing so. A clean connection will minimise power wastage and give you maximum power from the battery.

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 12 v deep cycle battery. Your Watersnake motor is supplied as standard with ring 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 joins 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 supplied and attached to the red power cable to protect the circuit boards of the motor. This is a connection that joins the motor battery cable to the battery and shuts the motor off if the connection overheats. As shown on diagram (1)

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





WIRE EXTENSION LENGTH	SUGGESTED WIRE GAUGE
1m	6 AWG / 6GA
3m	4 AWG / 4GA
5m	2 AWG / 2GA

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 12 v deep cycle marine battery is required for normal operation and continued use of your Watersnake motor. 12 v 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.

DEPLOYMENT

Pressing on the quick locking and release lever (refer to diagram on page 4) at the same time as pushing the shaft forward will allow the motor to release from the cradle. NOTE – Your Watersnake motor is not designed to release from the cradle by pressing on the lever alone. Applying excessive pressure to the release lever can lead to deployment difficulties.

DEPTH ADJUSTMENT

Hold the motor shaft with one hand, loosen the depth collar adjustment screw and set the motor to the desired depth. Then retighten the adjusting screw on the depth collar securely.

SHADOW MK II

STOWING

When your Watersnake motor is not in use always stow and store it properly. Press the quick locking and release lever and raise the motor, pulling towards the stern of your boat until it is secure on the locking cradles and locked into the horizontal (stowed) position. A final pull on the shaft of the motor may be necessary to ensure it has locked into place on the cradle.
(refer to diagram on page 4)

ENSURE YOUR MOTOR IS PROPERLY STOWED AND SECURED BEFORE DRIVING AND OR MOVING YOUR BOAT TO AVOID DAMAGE.

PLEASE NOTE:

Watersnake Distribution Pty Ltd accepts no liability for injury or damage caused by the incorrect deployment or stowing of this motor.

REMOTE CONTROL FOB

- (1) Steer Left
- (2) Steer Right
- (3) Momentary button
- (4) On / Off button
- (5) + and - Increase / Decrease speed
- (6) This button has no function

Plese note:

This remote control fob is only compatible with Watersnake MK II NGRC 54/54 model. This unit will not work with other Watersnake Shadow MKII Motors.





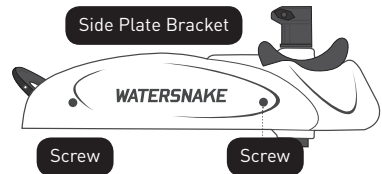
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**Your remote control should already be synced to your motor.
In the event that it is not please follow the below instructions.**

SYNCING THE REMOTE CONTROL TO THE MOTOR

Please make sure before syncing the motor is conected to Power

1. Uscrew the two screws and remove the side plate of bow mount bracket.
(Opposite side to the wire assembly)
2. locate the remote control receiver board.
3. Press any button on the remote control at the same time you press the button on the remote control receiver board. Hold until you see the LED flash.
4. Check to see if remote is now working.
If not repeat step 3 again.
5. Put side plate back on bow mount bracket and secure with the two screws.



SHADOW MK II

FOOT PEDAL CONTROL SYSTEM

The low profile foot pedal control is used to adjust direction and speed. A variable speed dial control is located at the right side of the foot control box.

(1) Steering is enabled via the buttons marked left and right.

Pushing down on the button marked "L" at the top left hand corner of the pedal with your foot will turn the motor to the left

(2) To steer to the right push your foot down on the button marked "R" at the top right hand corner of the pedal.

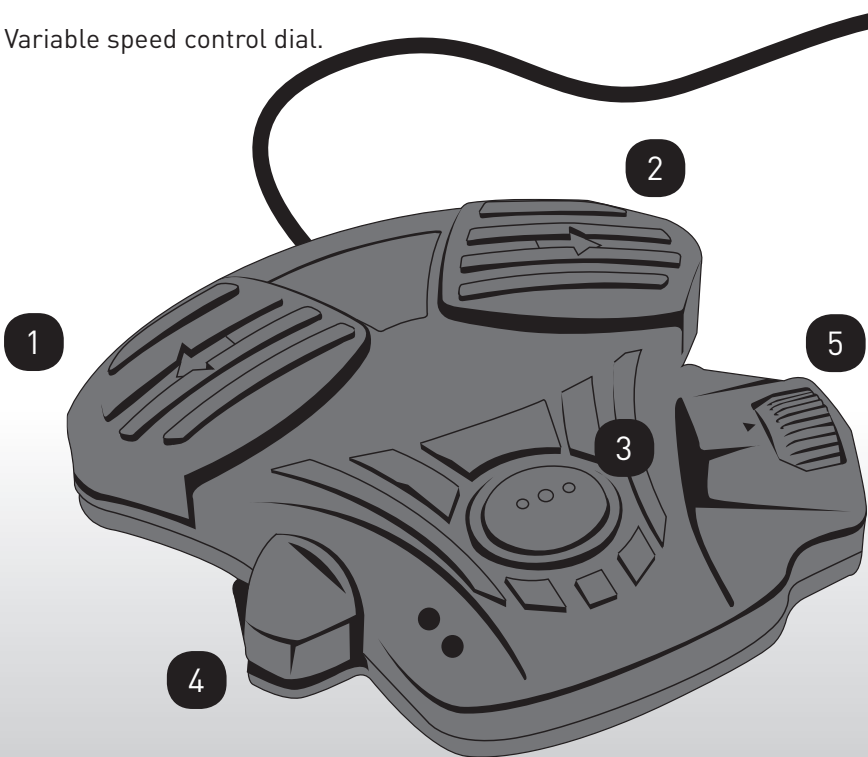
(3) Use your heel at the bottom of the pedal to pause or resume thrust power

(4) A constant on/off switch is set at the left hand side of the foot pedal control box.

To set the power of the motor to off the constant on/off switch should be in the backwards position with the tail end pointing down towards you.

To set the power of the motor to on, the constant on/off switch should be moved to the forward position with the tail end pointing up.

(5) Variable speed control dial.





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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 turning motor housing where the depth collar sits when the motor is deployed.

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)

- Remove side covers from the mounting assembly and clean any build up of dirt / debris that may be present on the inside of the bow mount assembly (mounting bracket). Applying harsh chemical cleaners is not recommended – warm soapy water should be sufficient.
- While side covers from the mounting assembly are removed apply marine grade grease to the quick lock and release mechanism. Do not use grease that may contain lead particles.
- 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 and stowed securely in the mounting bracket. 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. Once you are in deep water, you should make sure that you gradually increase the speed of your trolling motor, do not flatten it up to full speed right away. For example, if you have a 5 speed trolling motor, don't click through all of the other speeds really fast to get to 5, slowly go up to 1 speed, 2 speed, and so on. 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 14

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 bow 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

NOTE – your Watersnake motor is fitted with a tilt switch that prevents the motor from running unless it is in the deployed (vertical) position.

- 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 10 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)

SHADOW MK II

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)

Motor will not run at variable speeds

- 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
- Check that foot control plugs are not not loose
- Check that foot control constant on/off switch is in the on position (refer page 13)

Difficulty deploying or stowing

- Ensure that you are following the correct deployment / stowing process (refer diagram on page 5)
- Check for any obstructions within the mounting bracket
- Lubricate shaft with spray lubricant
(concentrate spray on area where shaft runs through turning motor housing)
- Clean any debris from the mounting bracket
- Remove the side plastic covers from the mounting bracket and apply marine grade grease to the mechanism

Remote control hand unit not operational

- Battery may need to be changed
- Re-sync hand unit to motor (refer page 12)

Foot control unit not operational or one or more functions not operational

- Check that foot control lead plugs are secured
- Refer to foot control operation guide on page 13

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.



WATERSNAKE®
ELECTRIC MOTORS

MODEL SPECIFICATIONS

CODE	MOTOR DESCRIPTION	THRUST	VOLT	AMPS	WATTS	RPM	SHAFT	COLOUR	BRACKET	STEERING	SPEEDS	PROP
55301	Shadow MK II	44lb	12v	11-44	132-528	1300	48"	White	Composite	Foot Control	Variable	3-Blade
55302	Shadow MK II	54lb	12v	13-54	156-640	1370	48"	White	Composite	Foot Control	Variable	3-Blade
55303	Shadow MK II	54lb	12v	13-54	156-640	1370	54"	White	Composite	Foot Control	Variable	3-Blade
55304	Shadow MK II	65lb	12v	11-50	90-420	2100	54"	White	Composite	Foot Control	Variable	3-Blade
55523	Shadow MK II	54lb	12v	13-54	156-640	1370	54"	White	Composite	Foot Control/Remote	Variable	3-Blade

Model range and specifications are correct at time of printing.

For new models not listed here find specifications at: www.jarvismarine.com.au



MOTOR SELECTION GUIDE

WATERSNAKE SHAFT LENGTH GUIDE

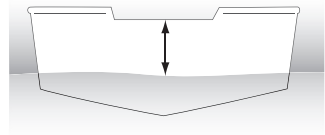
With your boat in the water, measure the distance from the mounting surface of the transom or bow to the water level.

The guide shown on the right will assist you in finding the shaft length that best suits your boat.

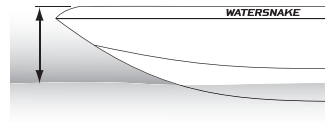
Transom Mount to Water Level	Suggested Shaft Length
Up to 8"	24"
Up to 10"	26"
Up to 12"	30"
10" to 14"	36"
14" to 20"	42"
20" to 22"	48"
22" to 24"	54"

Bow Mount to Water Level	Suggested Shaft Length
14" to 20"	42"
20" to 26"	48"
26" to 32"	54"
32" to 36"	60"

Transom Mount Measurement

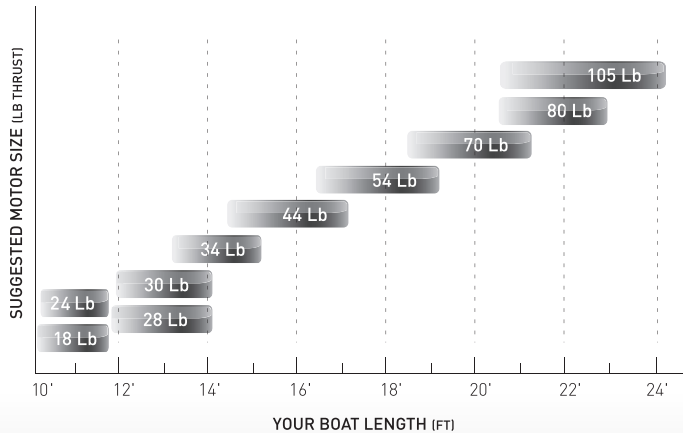


Bow Mount Measurement



WATERSNAKE MOTOR SIZE GUIDE

The graph shown right is a general guide only. Always speak with your dealer regarding the size of motor that is most appropriate for your boat.



SERVICING YOUR WATERSNAKE ELECTRIC MOTOR

When it's time for your Watersnake electric motor to be serviced, it is recommended you choose to use an Authorised Service Agent such as Anglers' Central Service Centre to perform the service.

Watersnake electric motors are precision instruments that rely on exacting alignment of numerous components; it is worth considering taking your electric motor to an Authorised Service Agent for servicing.

IMPORTANT!

If you choose to service the electric motor yourself or through any other third party not authorised by Watersnake Distribution Pty Ltd to service Watersnake motors, the motor will no longer be covered under the normal consumer guarantees. Items or issues from that time on and thereafter will be the sole responsibility of the owner. It is important to make sure you use good quality grease, and remember do not over lubricate. Small amounts of grease in the correct places are more important.

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

SHADOW MK II

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

Watersnake Propeller Kits (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. The Mini 2-Bladed Kit is suitable for the T-18 and T-24 motors. The 2-Bladed Propeller Kit is suitable for 28lb, 30lb and 34lb motors. The 3-Bladed Medium Propeller Kit is suitable for all 44lb and 54lb motors. The 3-Bladed Large Propeller Kit is suitable for all 70lb, 80lb and 105lb motors.



55501
Large 3 Blade
Prop (70lb-105lb)



55130
3 Blade Prop
(44lb-54lb)



55131
2 Blade Prop
(28-34lb)



55500
2 Blade Mini Prop
(18lb-24lb)



Watersnake Propeller Accessory Kit

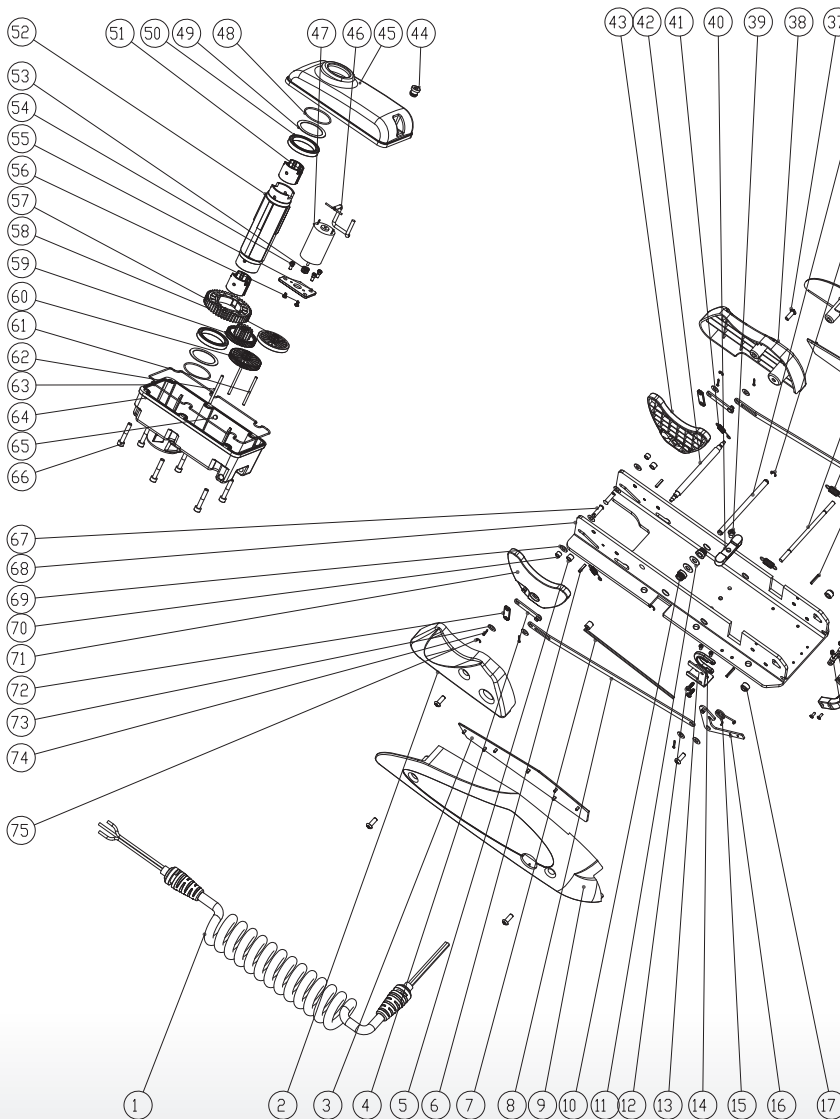
This kit is very handy and we suggest you keep one at all times. Consists of a propeller nut wrench, propeller nut and shear pins.

55132

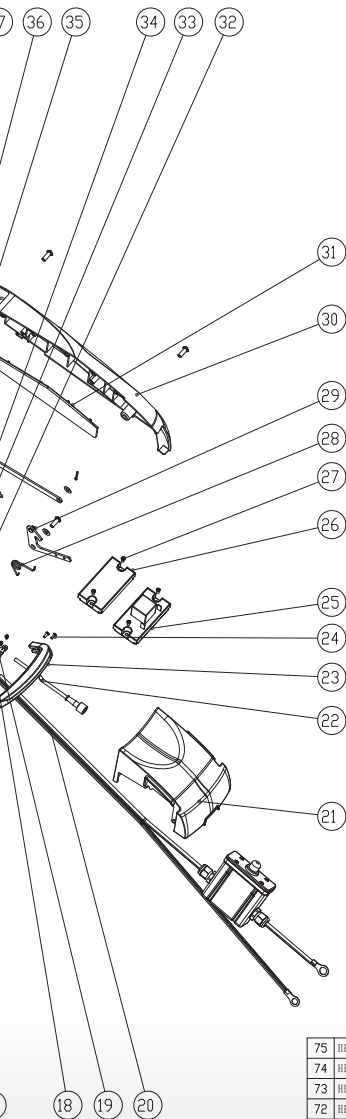
Watersnake Telescopic Extendable Motor Handle

The Watersnake Telescopic Handle can extend to 24" and will fit most tiller handles. (Please note this accessory does not fit the ASP series of motors. 55507





Watersnake Shadow MK II



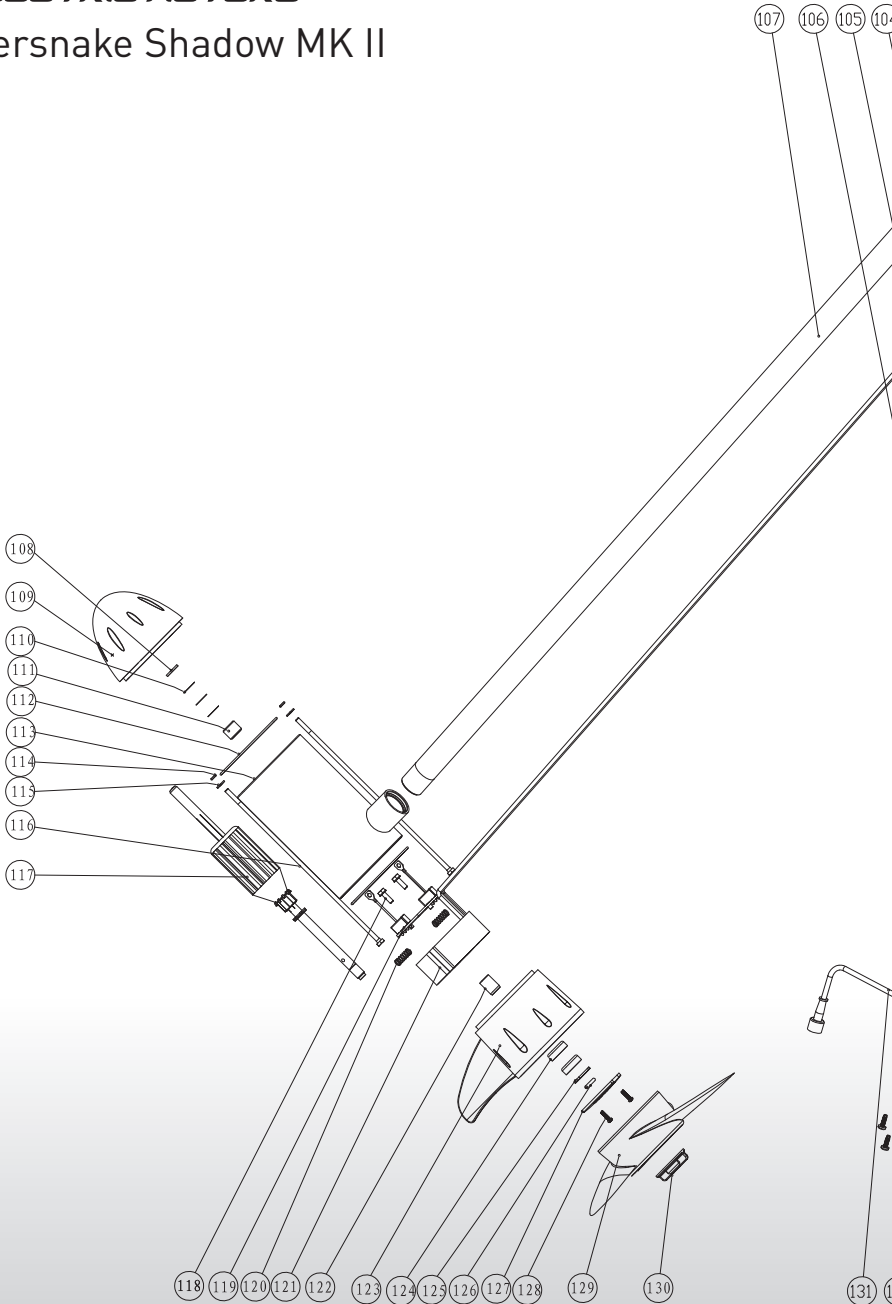
75	HP8.245.078.45	C-retaining ring	2	15	HP8.383.127.00	left-handed torsion spring	1
74	HP8.264.569.00	split pin	6	14	HP8.667.036.00	fixation clamp	1
73	HP8.940.056.00	run gear washer	8	13	HP8.611.133.00	fixed mount	1
72	HP8.350.002.45	push rod	2	12	HP8.903.059.00	bolt	2
71	HP6.154.014.00	right portable plate assy	1	11	HP8.940.375.00	gear axis washer	2
70	HP8.220.396.00	bushing	2	10	HP8.210.484.00	nesting	2
69	HP8.940.091.00	rocker arm sleeve washer	4	9	HP8.634.115.70	right side plate	1
68	HP8.601.062.27	bottom plate	1	8	HP8.350.013.45	drag link	2
67	HP8.264.417.45	secondary pin	2	7	HP6.794.004.00	magnetic proximity switch	1
66	HP8.902.207.00	bolt	6	6	HP8.264.160.00	split pin	2
65	HP8.530.046.06	alnico	1	5	HP8.220.292.00	locating sleeve	2
64	HP8.010.063.158	bottom cover of turning box	1	4	HP6.201.027.00	secondary lever assy	2
63	HP8.683.098.00	sealing ring	1	3	HP8.634.084.70	right plate	1
62	HP8.264.413.06	pin	1	2	HP8.634.075.70	front right side cover	1
61	HP8.264.412.06	pin	2	1	HP6.647.118.00	wire assy	1
60	HP8.415.191.00	gear	1				
59	HP8.415.192.00	gear	1				
58	HP8.415.193.00	gear	1				
57	HP6.371.016.00	gear	1				
56	HP8.902.025.00	bolt	2				
55	HP8.610.119.24	locking plate	1				
54	HP8.904.072.45	bolt	3				
53	HP8.415.190.00	small gear	1				
52	HP8.210.449.27	bushing	1				
51	HP8.210.526.00	bushing	2				
50	HP6.263.067.02	bearing40×52×7	2				
49	HP8.940.746.00	wear-resisting piece	2				
48	HP8.662.082.00	sealing ring	2				
47	HP7.274.005.00	motor	1				
46	HP6.647.031.00	two core wire assy	1				
45	HP6.171.203.00	top cover of turning box assy	1				
44	HP8.210.332.00	wire protecting sleeve	1				
43	HP6.154.013.00	left portable plate assy	1				
42	HP8.306.071.00	axls	1				
41	HP8.381.033.00	tension spring	2				
40	HP8.683.041.00	elastic spacer	1				
39	HP8.902.195.00	bolt	1				
38	HP8.634.074.70	front left side cover	1				
37	HP8.902.196.45	bolt	8				
36	HP8.303.025.45	rotation axis	1				
35	HP8.245.079.00	C-retaining ring	2				
34	HP8.264.419.45	clip pin	1				
33	HP8.381.032.00	tension spring	2				
32	HP8.264.162.00	split pin	2				
31	HP8.634.083.70	left plate	1				
30	HP8.634.114.70	left side plate	1				
29	HP6.154.008.00	left crank assy	1				
28	HP8.383.128.00	right-handed torsion spring	1				
27	HP8.902.256.00	bolt	6				
26	HP6.702.063.00	main control	1				
25	HP6.702.064.00	relay control	1				
24	HP8.902.201.45	bolt M3X8	4				
23	HP8.335.001.00	footplate	1				
22	HP6.647.116.00	wire assy (male)	1				
21	HP8.010.061.70	front cover	1				
20	HP6.647.134.00	main battery cable	1				
19	HP8.610.193.00	press plate	1				
18	HP8.902.017.00	screw	3				
17	HP8.210.336.00	crank shaft sleeve	2				
16	HP6.154.009.00	right crank assy	1				

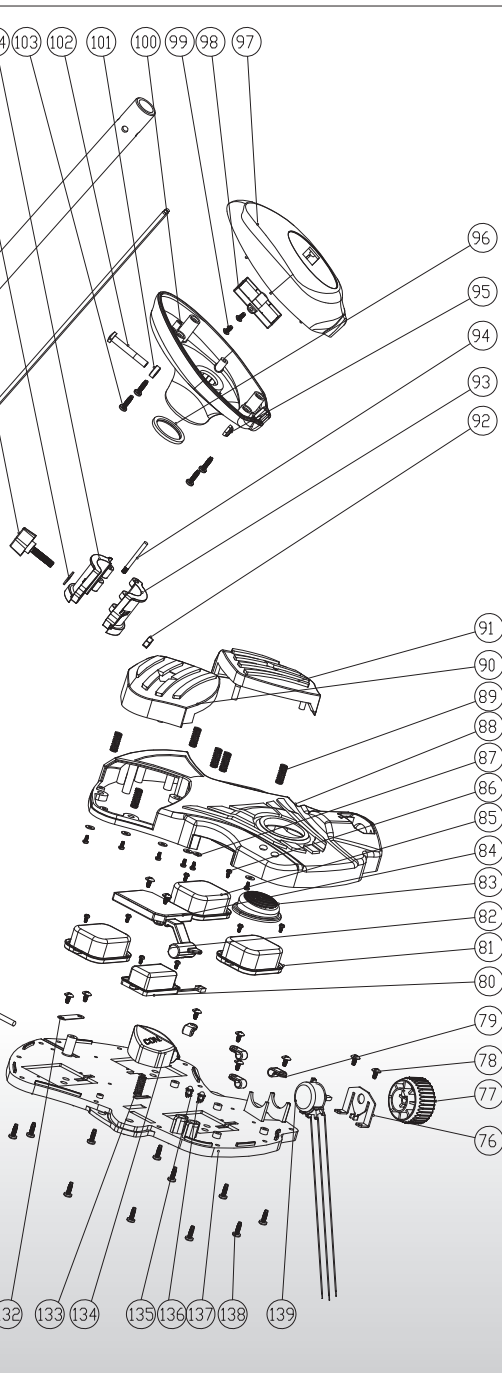
NO.	DRAWING NO.	PART NAME	Q'TY	NO.	DRAWING NO.	PART NAME	Q'TY
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WATERSNAKE®
ELECTRIC MOTORS

Watersnake Shadow MK II





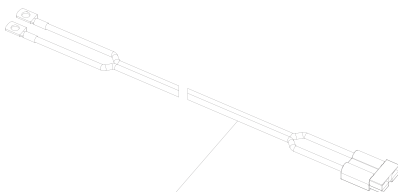
139	HP6, 630, 016, 00	potentiometer assy	1
138	HP8, 903, 059, 00	bolt	13
137	HP8, 601, 074, 00	bottom plate	1
136	HP6, 794, 003, 00	indicator light assy	1
135	HP6, 794, 002, 00	indicator light assy	1
134	HP8, 337, 133, 00	continuous button	1
133	HP8, 382, 253, 00	spring	1
132	HP8, 263, 076, 45	sheet metal	1
131	HP6, 647, 117, 00	wire assy(female)	1
130	HP6, 482, 001, 00	prop nut	1
129	HP6, 393, 001, 00	prop	1
128	HP8, 902, 022, 00	bolt	2
127	HP7, 690, 001, 00	sacrificial anode	1
126	HP8, 264, 157, 00	pin	1
125	HP8, 683, 017, 70	retainer ring	1
124	HP6, 475, 000, 00	sealing ring	2
123	HP8, 010, 028, 158	front cover	1
122	HP8, 251, 000, 00	oil bearing	1
121	HP6, 702, 054, 00	speed control unit	1
120	HP8, 382, 063, 00	spring	2
119	HP6, 670, 029, 00	brush frame assy	1
118	HP8, 903, 060, 07	bolt	2
117	HP6, 656, 004, 01	rotor assy	1
116	HP8, 926, 018, 00	connecting screw rod	2
115	HP8, 610, 049, 00	hexagonal washer	2
114	HP8, 662, 015, 00	mini O-sealing ring	2
113	HP6, 652, 001, 01	stator assy	1
112	HP8, 662, 016, 00	O-sealing ring	2
111	HP8, 251, 001, 00	oil bearing	1
110	HP8, 940, 309, 00	washer	3
109	HP8, 010, 003, 00	back cover	1
108	HP8, 940, 310, 00	washer	1
107	HP6, 657, 121, 99	shaft	1
106	HP6, 480, 014, 00	bolt	1
105	HP8, 940, 313, 00	washer	1
104	HP8, 242, 151, 00	right body of depth adjustment collar	1
103	HP8, 903, 056, 00	screw	4
102	HP8, 904, 028, 00	bolt	1
101	HP8, 220, 378, 70	bushing	1
100	HP8, 076, 173, 70	bottom cover	1
99	HP8, 903, 048, 00	bolt	2
98	HP6, 331, 022, 00	volt indicator	1
97	HP8, 076, 172, 70	top cover	1
96	HP8, 662, 014, 00	sealing ring	1
95	HP6, 482, 000, 00	lock nut	1
94	HP8, 264, 468, 00	pin	1
93	HP8, 242, 150, 00	left body of depth adjustment collar	1
92	HP8, 379, 073, 00	nut	1
91	HP8, 337, 131, 00	right button	1
90	HP8, 337, 130, 00	left button	1
89	HP8, 382, 263, 45	spring	1
88	HP8, 601, 073, 00	top case	6
87	HP8, 940, 344, 00	washer	6
86	HP8, 903, 048, 00	screw	14
85	HP6, 618, 018, 00	switch assy (2)	2
84	HP6, 702, 059, 00	foot control unit	1
83	HP8, 337, 132, 00	inching button	1
82	HP8, 350, 031, 00	connecting rod	1
81	HP8, 618, 019, 00	switch assy (3)	1
80	HP6, 618, 017, 00	switch assy (1)	1
79	HP8, 667, 031, 00	wire buckle	4
78	HP8, 903, 050, 00	bolt	10
77	HP8, 350, 030, 00	speed control knob	1
76	HP8, 611, 132, 45	fixed mount	1
No.	DRAWING NO.	PART NAME	QTY



WATERSNAKE®
ELECTRIC MOTORS



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SHADOW MK II
NGRC REMOTE
MOTOR PART 1

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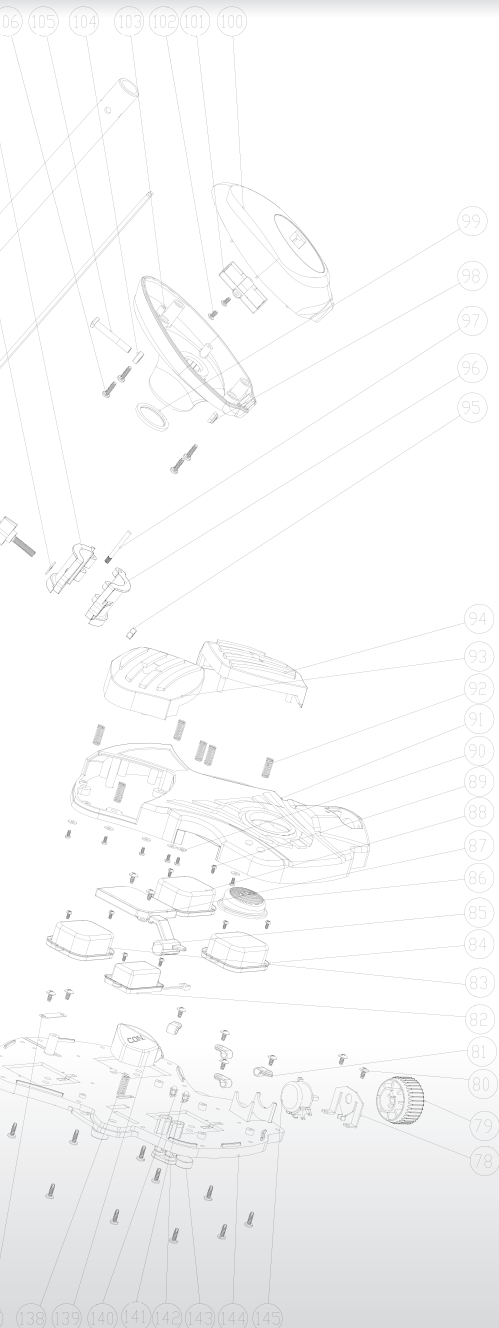
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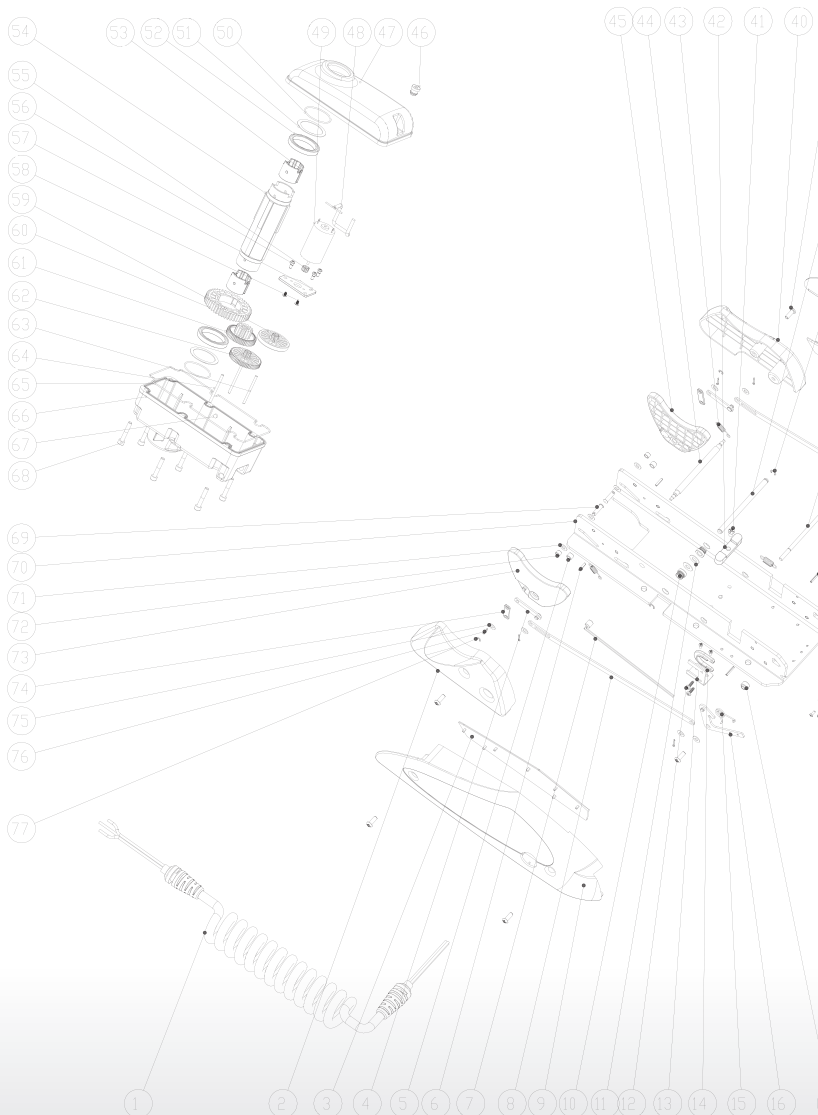
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145	HP6. 630. 016. 00	potentiometer assy
144	HP8. 601. 074. 00	bottom plate
143	HP8. 683. 039. 00	Rubber mat
142	HP8. 656. 163. 00	Rubber plug
141	HP6. 794. 003. 00	indicator light assy
140	HP6. 794. 002. 00	indicator light assy
139	HP8. 337. 133. 00	continuous button
138	HP8. 382. 253. 00	spring
137	HP8. 263. 076. 45	sheet metal
136	HP6. 647. 117. 00	wire assy (female)
135	HP6. 482. 001. 00	prop nut
134	HP6. 393. 001. 00	prop
133	HP8. 902. 022. 00	bolt
132	HP7. 690. 001. 00	sacrificial anode
131	HP8. 264. 157. 00	pin
130	HP8. 683. 017. 70	retainer ring
129	HP6. 475. 000. 00	sealing ring
128	HP8. 010. 028. 158	front cover
127	HP8. 251. 000. 00	oil bearing
126	HP6. 702. 054. 00	speed control unit
125	HP8. 382. 063. 00	spring
124	HP6. 670. 029. 00	brush frame assy
123	HP8. 903. 060. 07	bolt
122	HP6. 656. 004. 00	rotor assy
121	HP8. 926. 018. 00	connecting screw rod
120	HP8. 610. 049. 00	hexagonal washer
119	HP8. 662. 015. 00	mini O-sealing ring
118	HP6. 652. 001. 01	stator assy
117	HP8. 662. 016. 00	O-sealing ring
116	HP8. 251. 001. 00	oil bearing
115	HP8. 940. 309. 00	washer
114	HP8. 010. 003. 00	back cover
113	HP8. 940. 310. 00	washer
112	HP6. 647. 172. 00	main wire
111	HP6. 789. 004. 00	remote control
110	HP6. 657. 121. 99	shaft
109	HP6. 480. 014. 00	bolt
108	HP8. 940. 313. 00	washer
107	HP8. 242. 151. 00	right body of depth adjustment collar
106	HP8. 903. 056. 00	screw
105	HP8. 904. 028. 00	bolt
104	HP8. 220. 378. 70	bushing
103	HP8. 076. 173. 70	bottom cover
102	HP8. 903. 048. 00	bolt
101	HP6. 331. 022. 00	volt indicator
100	HP8. 076. 172. 70	top cover
99	HP8. 662. 014. 00	sealing ring
98	HP6. 482. 000. 00	lock nut
97	HP8. 264. 468. 00	pin
96	HP8. 242. 150. 00	left body of depth adjustment collar
95	HP8. 379. 073. 00	nut
94	HP8. 337. 131. 00	right button
93	HP8. 337. 130. 00	left button
92	HP8. 382. 263. 45	spring
91	HP8. 601. 073. 00	top case
90	HP8. 940. 344. 00	washer
89	HP8. 903. 048. 00	screw
88	HP6. 618. 018. 00	switch assy (2)
87	HP6. 702. 059. 00	foot control unit
86	HP8. 337. 132. 00	inching button
85	HP8. 350. 031. 00	connecting rod
84	HP6. 618. 019. 00	switch assy (3)
83	HP6. 618. 020. 00	switch assy (4)
82	HP6. 618. 017. 00	switch assy (1)
81	HP8. 667. 031. 00	wire buckle
80	HP8. 903. 050. 00	bolt
79	HP8. 350. 030. 00	speed control knob
78	HP8. 611. 132. 45	fixed mount
No.	DRAWING NO.	PART NAME

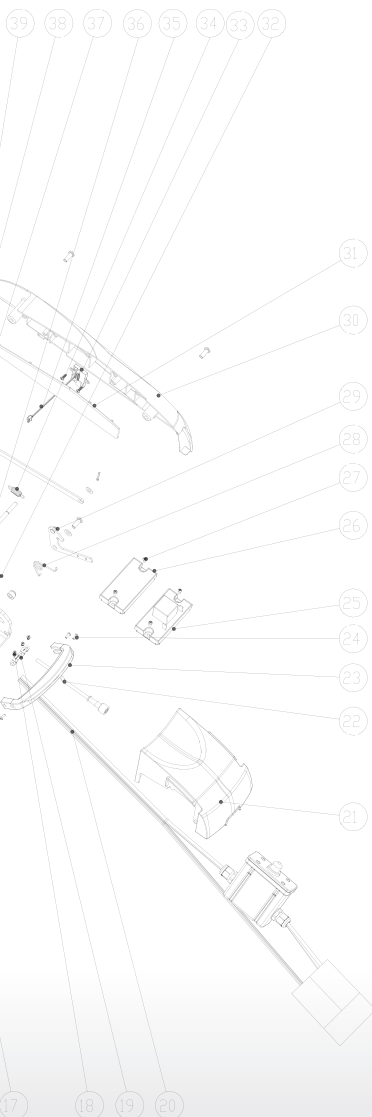


WATERSNAKE®
ELECTRIC MOTORS



SHADOW MK II NGRC REMOTE MOTOR PART 2

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59	HP6.371.016.00	gear
58	HP8.902.025.00	bolt
57	HP8.610.119.24	locking plate
56	HP8.904.072.45	bolt
55	HP8.415.190.00	small gear
54	HP8.210.449.27	bushing
53	HP8.210.526.00	bushing
52	HP6.263.067.02	bearing 40×52×7
51	HP8.940.746.00	wear-resisting piece
50	HP8.662.082.00	sealing ring
49	HP7.274.005.00	motor
48	HP6.647.031.00	two core wire assy
47	HP6.171.203.00	top cover of turning box assy
46	HP8.210.332.00	wire protecting sleeve
45	HP6.154.013.00	left portable plate assy
44	HP8.306.071.00	axis
43	HP8.381.033.00	tension spring
42	HP8.683.041.00	elastic spacer
41	HP8.902.195.00	bolt
40	HP8.634.074.70	front left side cover
39	HP8.902.196.45	bolt
38	HP8.303.025.45	rotation axis
37	HP8.245.079.00	C-retaining ring
36	HP8.264.419.45	clip pin
35	HP6.647.166.00	wire assy
34	HP8.381.032.00	tension spring
33	HP6.789.005.00	Remote control receiver
32	HP8.264.162.00	split pin
31	HP8.634.083.70	left plate
30	HP8.634.114.70	left side plate
29	HP6.154.008.00	left crank assy
28	HP8.383.128.00	right-handed torsion spring
27	HP8.902.256.00	bolt
26	HP6.702.063.00	main control
25	HP6.702.064.00	relay control
24	HP8.902.201.45	bolt M3X8
23	HP8.335.001.00	footplate
22	HP6.647.116.00	wire assy (male)
21	HP8.010.061.70	front cover
20	HP6.647.173.00	main battery cable
19	HP8.610.193.00	press plate
18	HP8.902.017.00	screw

77	HP8.245.078.45	C-retaining ring	4	17	HP8.210.336.00	crank shaft sleeve
76	HP8.264.569.00	split pin	6	16	HP6.154.009.00	right crank assy
75	HP8.940.056.00	run gear washer	8	15	HP8.383.127.00	left-handed torsion spring
74	HP8.350.002.45	push rod	2	14	HP8.667.036.00	fixation clamp
73	HP6.154.014.00	right portable plate assy	1	13	HP8.611.133.00	fixed mount
72	HP8.220.396.00	bushing	2	12	HP8.903.059.00	bolt
71	HP8.940.091.00	rocker arm sleeve washer	4	11	HP8.940.375.00	gear axis washer
70	HP8.601.062.27	bottom plate	1	10	HP8.210.484.00	nesting
69	HP8.264.417.45	secondary pin	2	9	HP8.634.115.70	right side plate
68	HP8.902.207.00	bolt	6	8	HP8.350.013.45	drag link
67	HP8.530.046.06	alnico	1	7	HP6.794.004.00	magnetic proximity switch
66	HP8.010.063.138	bottom cover of turning box	1	6	HP8.264.160.00	split pin
65	HP8.683.098.00	sealing ring	1	5	HP8.220.292.00	locating sleeve
64	HP8.264.413.06	pin	1	4	HP6.201.027.00	secondary lever assy
63	HP8.264.412.06	pin	2	3	HP8.634.084.70	right plate
62	HP8.415.191.00	gear	1	2	HP8.634.075.70	front right side cover
61	HP8.415.192.00	gear	1	1	HP6.647.144.00	wire assy
No.	DRAWING No.	PART NAME	Q'TY	No.	DRAWING No.	PART NAME

When going out on the water make sure that you have enough PFDs for everyone. (Please ensure you choose the correct PFD for the right application.)

Watersnake offers an extensive range of PFDs for both adult's and children. They come in a range of styles and sizes and they all meet the Australian and New Zealand safety standard. See your nearest Watersnake stockist for the full range or visit our website: www.watersnake.com.au for more information.



(Please note: PFDs are only available for sale in Australia.)

SHADOW MK II

NOTES:

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

WATERSNAKE®

CONTACT INFORMATION

REGION/COUNTRY	DISTRIBUTOR	PHONE
Asia Pacific		
Australia	Jarvis Walker	+61 3 8787 6900
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China	Jarvis Walker International	+86 21 6356 5078
South Korea	Plady Co., Ltd	+82 10 9894 9938
New Zealand	Brittain Wynyard	+64-9 309 0519
USA	Innovative Procurement, LLC	+1 573 346 7447
Africa		
South Africa	Apex Walker	+27 11 7920 611
Russia	Badger Ltd.	+7 812 321 8880
Europe		
Austria	Aquazona	+420 386 357 881
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Bulgaria	Aquazona	+420 386 357 881
Czech Republic	Aquazona	+420 386 357 881
Denmark	Wiggler AB	+0303 798 744
Finland	Wiggler AB	+0303 798 744
Germany	World Fishing Tackle	+49 0 900 123 58 13
Ireland	Masterline Walker	+44 0 1684 299 000
Italy	Europesca Sport	+39 06 6500 2449
Luxembourg	World Fishing Tackle	+49 0 900 123 58 13
Montenegro	Aquazona	+420 386 357 881
Netherlands	World Fishing Tackle	+49 0 900 123 58 13
Norway	Wiggler AB	+0303 798 744
Romania	Aquazona	+420 386 357 881
Serbia	Aquazona	+420 386 357 881
Slovakia	Aquazona	+420 386 357 881
Slovenia	Aquazona	+420 386 357 881
Sweden	Wiggler AB	+0303 798 744
United Kingdom	Masterline Walker	+44 0 1684 299 000

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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