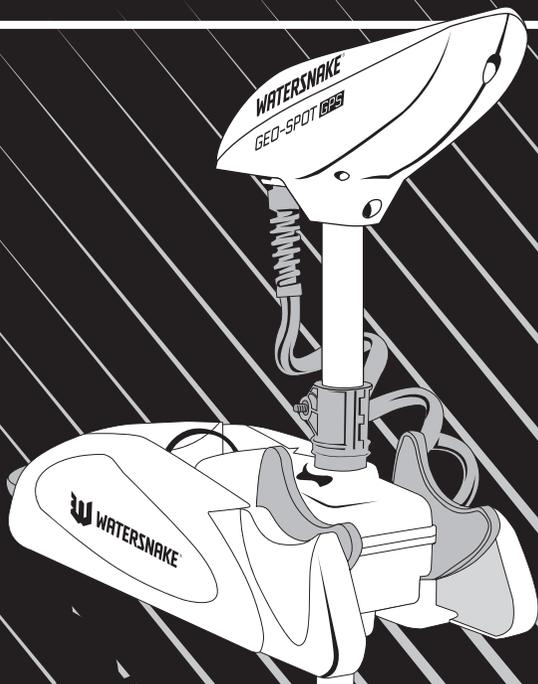




# **WATERSNAKE®**

## **GEO-SPOT 65LB**



## **GPS BOW MOUNT ELECTRIC MOTOR OWNERS MANUAL**

GEO-SPOT SW 65/54 (55313)

GEO-SPOT FW 65/54 (55315)

GEO-SPOT SW 65/60 (55316)

GEO-SPOT SW 65/66 (55314)



# BEFORE YOU BEGIN:

Trolling motors are high-current devices that require an ideal power supply.

Follow these steps to avoid problems:

1

**12V DEEP CYCLE  
OR 12V LiFeP04  
BATTERIES ONLY**

MORE INFO ON PAGE 14

2

**BATTERY CAN BE  
CHARGED WHILE USING THE  
MOTOR ONLY IF VOLTAGE  
INPUT TO THE MOTOR IS  
EQUAL OR LESS THAN 14.5V  
MORE INFO ON PAGE 15**

3

**EXTENDING THE  
BATTERY CABLES?**

IMPORTANT INFO ON PAGE 15

4

## SUGGESTED BATTERY SIZE:

MOTOR SIZE	BATTERY SIZE
18LB - 24LB	40AH OR LARGER
34LB	60AH OR LARGER
44LB	80AH OR LARGER
54LB - 65LB	100AH OR LARGER

## WARNING

The Watersnake Geo-Spot motor relies on GPS technology to operate in its different Modes, including Anchor, Pilot, Cruise, and Navigation. It is essential that the person controlling the vessel and Geo-Spot motor is alert to all navigation dangers and safety risks that may arise during the motor's operation in each Mode; it is this person's primary responsibility to ensure vessel and occupant safety, regardless of whether the Geo-Spot motor is in GPS or non-GPS Mode.

## COMMON ISSUES WITH GPS SYSTEMS

**Wrong installation:** An incorrectly installed GPS can lead to problems. Careful checks as you follow all installation steps are vital to ensure the correct operation of the system.

**User error:** Human errors can happen. Remain Alert. Circumstances may change, affecting the operation when in GPS Mode. For example, vessels may enter an area during use after a Track is recorded or a Mark is set.

**Atmospherics:** Satellite signals can be affected by irregular activity in the earth's atmosphere.

**Deliberate acts:** Jamming, spoofing and hacking can affect the GPS signal.

**Local issues:** In some locations, the availability and quality of GPS signals can cause issues. Errors can also be expected when satellite signals hit structures or are shielded by higher ground, cliffs or mountains.

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## **WELCOME TO WATERSNAKE**

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.

## **IMPORTANT**

Please read this manual completely before starting installation and using the electric motor.

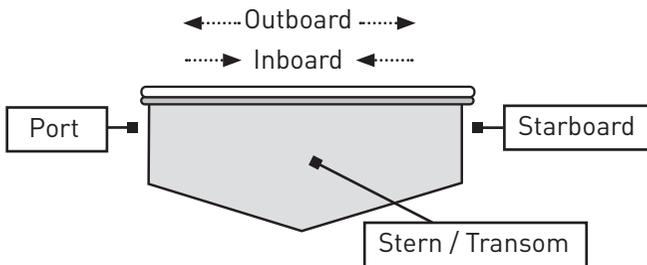
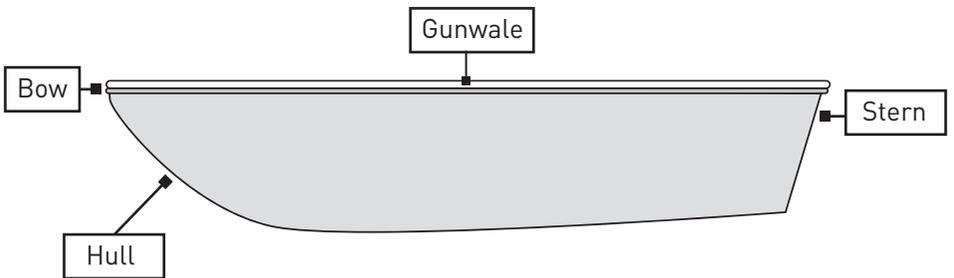
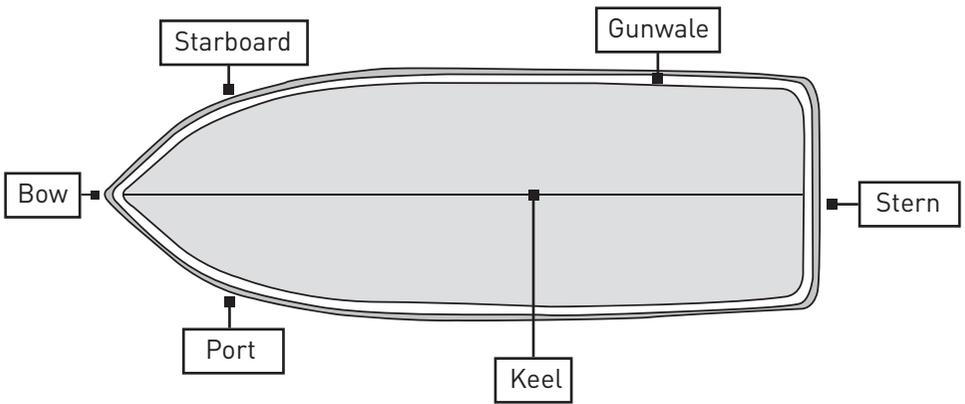
## **THE BELOW INFORMATION IS FOR THE USA ONLY.**



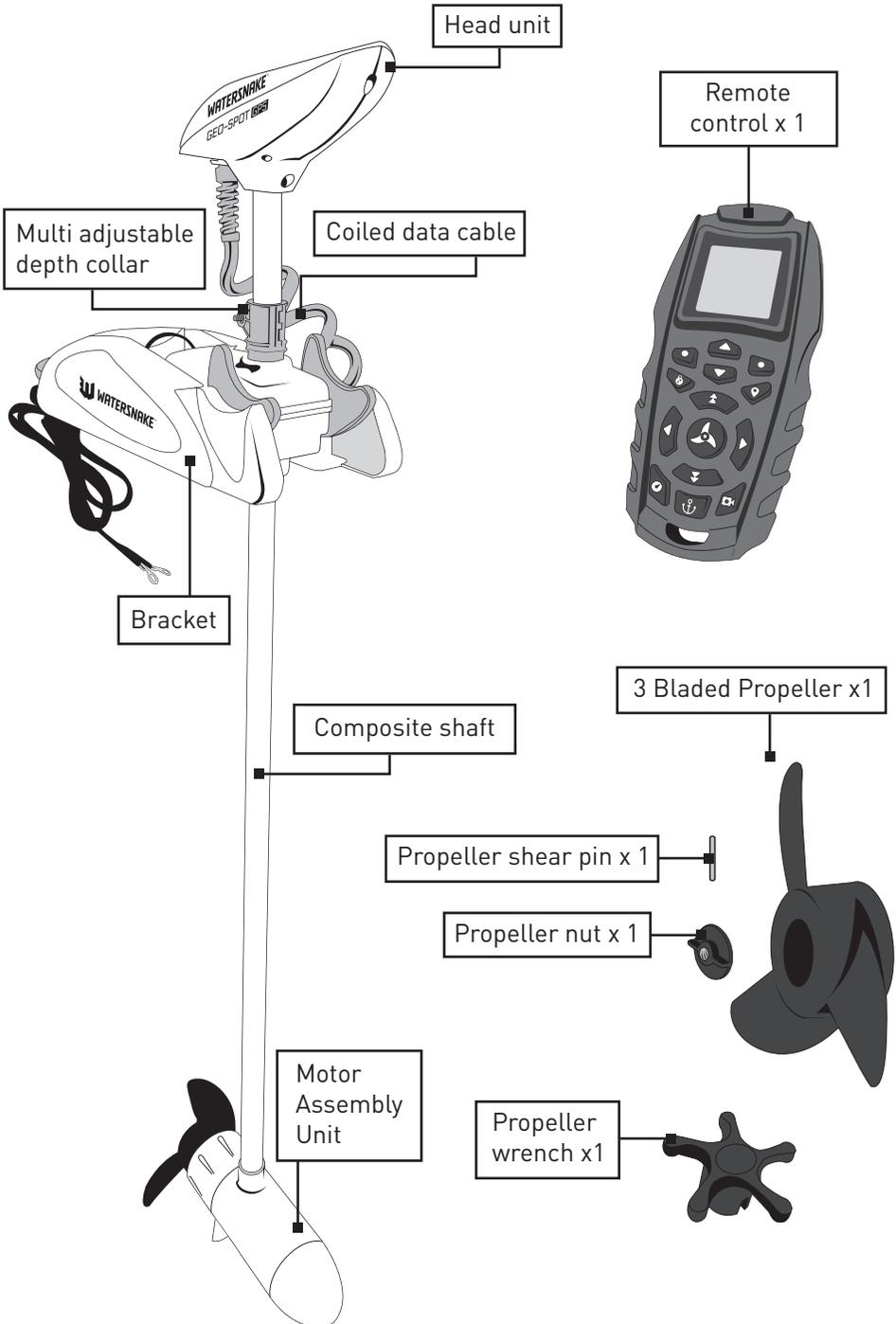
**WARNING:** This product can expose you to chemicals including Lead and Lead Compounds, which is known to the state of California to cause Cancer, Birth Defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Disclaimer:** The information provided in this Watersnake Motor Manual is correct at time of printing. For the most up to date information, check for the latest version on our website at: [www.watersnake.com.au/pages/watersnake-user-manuals](http://www.watersnake.com.au/pages/watersnake-user-manuals)

# KNOW YOUR BOAT



# FEATURES AND BOX CONTENTS



# PRE INSTALLATION

## PRE INSTALLATION CHECKLIST

1. Familiarise yourself with the user manual and the various parts of your Watersnake motor.
2. Select desired mounting location on boat. Ensure there is access to properly fit the bracket in the location selected.
3. 12V deep cycle or 12V LiFePO<sub>4</sub> battery  
(your Watersnake motor **IS NOT** designed for use with car / truck / motorcycle type batteries) – for more information about appropriate battery for your Watersnake motor, refer to page 14.
4. Check battery cable length in relation to location of your 12V deep cycle or 12V LiFePO<sub>4</sub> battery. If extension to battery cable is required, refer to table on page 15 .

### PLEASE NOTE:

**TERNARY LITHIUM BATTERIES MUST NOT BE USED WITH THIS WATERSNAKE MOTOR.** Refer to information on page 14.

### PLEASE NOTE:

Your Watersnake motor does not come supplied with any mounting hardware. Mounting hardware is only included with the optional Watersnake quick release nylon or alloy brackets. See page 9 for mounting hardware.

## FITTING THE MOTOR TO THE BOAT

### TOOLS REQUIRED

- Power drill
- 6mm drill bit
- Phillips head screwdriver
- Hex key, 5mm (for optional quick release plate mounting)
- 10mm spanner/shifter
- Prop nut wrench (supplied)
- Marine grease
- Duralac or similar product



Power Drill



Drill Bit



Phillips Head Screwdriver



Hex Key



Spanner/  
Shifter



Prop Nut  
Wrench



Marine Grease

# INSTALLATION

## THERE ARE THREE WAYS TO ATTACH YOUR MOTOR TO YOUR BOAT:

**Option 1** - Direct installation of the motor to your boat without a quick release bracket. ( Page 9 )

**Option 2** - Installation of the motor to you boat with an optional Nylon Quick Release Bracket. ( Page 10-11 )

**Option 3** - Installation of the motor to you boat with an optional Alloy Quick Release Bracket. ( Page 12-13 )

### PLEASE NOTE:

Option 2 or 3 is the preferred method for mounting the Geo-Spot motor. It allows for quick and easy dismounting and remounting of the motor. Watersnake has two alternate Quick Release Brackets available and these are outlined on pages 10-13 of this manual. Watersnake Quick Release Brackets are readily available at stockists of electric trolling motors or online.

### Remove side covers to expose mounting plate.

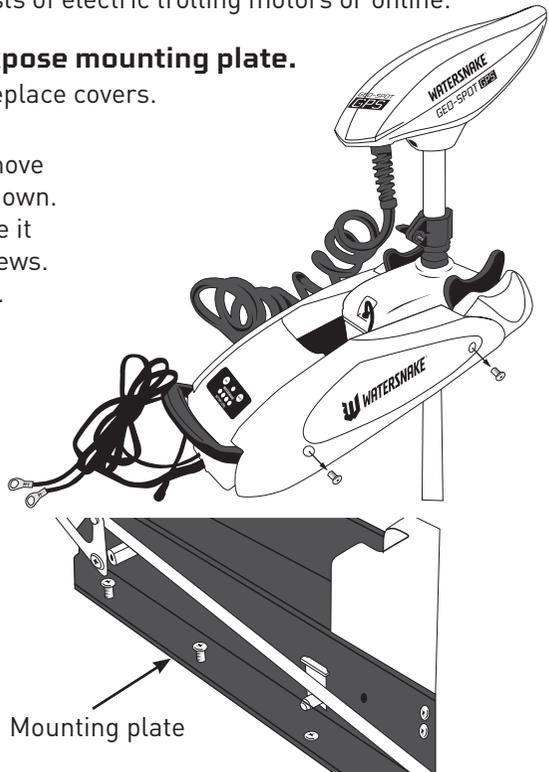
After the motor is mounted, replace covers.

To remove the side covers remove the Phillips head screws as shown. To re-attach a side cover, place it into position and resecure screws. Do not overtighten the screws.

Fit bolts down through mounting plate and foredeck.

### A TOTAL OF SIX BOLTS NEED TO BE USED TO SECURE THE MOUNTING PLATE.

( 3 BOLTS ON EACH SIDE OF THE MOUNTING PLATE )



### PLEASE NOTE:

Watersnake accepts no liability for personal injury or property damage caused while fitting this motor. Please wear appropriate protective clothing and eyewear/face protection. Avoid contacting and/or inhaling fibreglass dust or aluminium shavings.

# INSTALLATION

## OPTION 1

### ATTACHING THE MOTOR DIRECTLY TO YOUR BOAT WITHOUT THE OPTIONAL QUICK RELEASE BRACKET

Before beginning the process of attaching the motor to your boat please ensure the entire Watersnake mount assembly must be mounted in a level, horizontal position as close to the boat's centreline as possible. The Watersnake motor does not necessarily need to face directly forward. On slightly curved decks, spacer washers or blocks must be used to ensure level mounting of the motor base. In some cases it may be necessary to fabricate a mounting plinth from alloy or fibreglass to provide a level location. If you are unsure please consult a marine technician or fabricator.

**Use 6mm or 1/4" bolts, washers and nylon locking nuts. All fasteners should be of 316-grade stainless steel.** On aluminium boats, use thin rubber washers, gasket material or a film of neutral-cure marine silicone to limit bolt contact with alloy to reduce electrolysis.

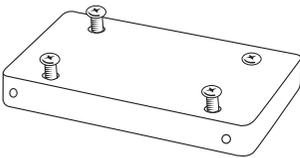
1. "Dry fit" to determine the most suitable position on the boat. Choose a site that offers the least exposure to heavy spray or chance of immersion, especially of the head unit and rear of base mount assembly.
2. Remove side covers from the base mount to reveal the six mounting holes. At least four must be fastened to the boat deck with approved bolts, washers and nuts.
3. With motor in stowed position, check that no part of the entire assembly, including the shaft and head unit, is obstructed by any part of the boat, eg, rails, seats, opening hatches, etc. Check that no part of boat impedes full deployment of motor.
4. Check with the motor in a deployed position that the Watersnake shaft does not come into contact with any part of the hull. Allow at least 30mm clearance from boat gunwale.
5. Check with the motor in a deployed position that the propeller and lower unit do not contact any part of the hull through complete 360° rotation.
6. Mark potential mounting holes in lower deck. Check that all holes allow access below deck for protruding bolt, washers and spanner. Mark and drill holes.
7. Fit at least four bolts down through motor mounting plate and through foredeck. Fit the washers and nylon locking nuts from below. Do not overtighten.
8. Apply a light smear of marine grease to pivot points on lock/release lever and turnbox pivot points. Replace the side covers.

# INSTALLATION

## OPTION 2 - ( NYLON QUICK RELEASE BRACKET ) ATTACHING THE MOTOR TO YOUR BOAT USING THE OPTIONAL NYLON QUICK RELEASE BRACKET

Before beginning the process of attaching the motor to your boat, please ensure the entire Watersnake mount assembly, including the optional quick-release plate, must be mounted in a level, horizontal position as close to the boat's centreline as possible. The Watersnake motor and quick-release plate do not necessarily need to face directly forward. On slightly curved decks, spacer washers or blocks must be used to ensure level mounting of the motor base and/or lower quick-release plate. In some cases it may be necessary to fabricate a mounting plinth from alloy or fibreglass to provide a level location. If you are unsure please consult your marine technician.

### 1. QUICK RELEASE BOTTOM PLATE INSTALLATION



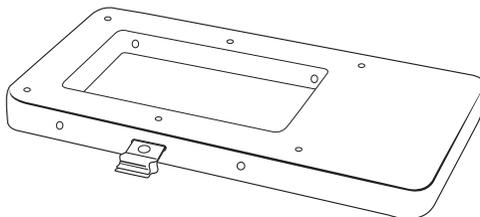
Attach the Quick Release Bottom Plate to the bow of the boat, taking care to ensure it is on the centreline of the boat and placed forward enough so that when the motor is attached the shaft of the motor is not making contact with the boats gunwale rubber. With the plate in position, mark the holes for drilling, ensuring as you do that the bow area below

the mounting location is clear and accessible.

Attach the Quick Release Bottom Plate to the bow using the stainless steel bolts, nuts and washers provided. It is important when doing this work that the boat is level.

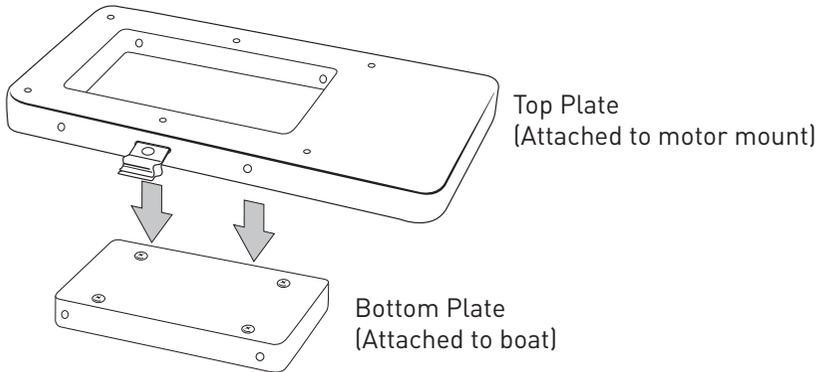
### 2. QUICK RELEASE TOP PLATE INSTALLATION

Remove the side covers from the motor mount. Using the bolts washers and nuts provided, attach the Quick Release Top Plate to the motor mounting plate. The foot print of the Top Plate includes several pre-drilled holes to suit a variety of motor types.

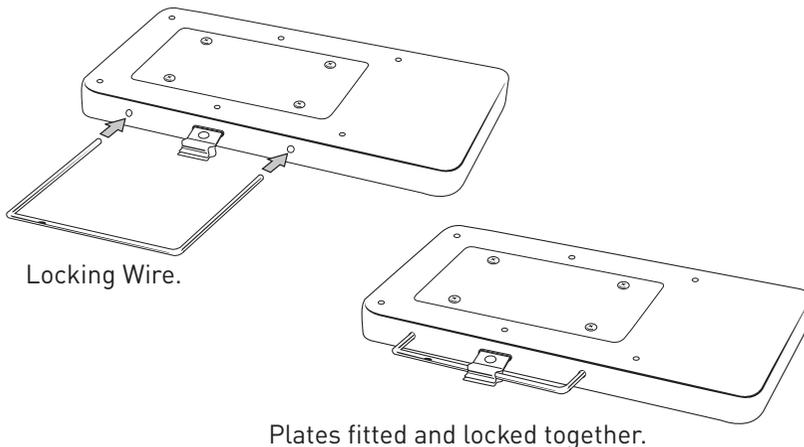


# INSTALLATION

**3.** Position the motor bracket with the Quick Release Top Plate on top of the Bottom Plate, which you have mounted to the boat in step 1.



**4.** To lock both plates together, push the steel Locking Wire all the way into the holes shown here, so the Wire becomes secured by the metal clasp.



**NOTE:** A padlock can be used on the metal clasp of the quick release bracket to lock your motor to your boat.

## **PLEASE NOTE:**

Watersnake accepts no liability for personal injury or property damage caused while fitting this motor. Please wear appropriate protective clothing and eyewear/face protection. Avoid contacting and/or inhaling fibreglass dust or aluminium shavings.

# INSTALLATION

## **OPTION 3 - (ALLOY QUICK RELEASE BRACKET) ATTACHING THE MOTOR TO YOUR BOAT USING THE OPTIONAL ALLOY QUICK RELEASE BRACKET**

Before beginning the process of attaching the motor to your boat please ensure the entire Watersnake mount assembly, including the optional quick-release plate, must be mounted in a level, horizontal position as close to the boat's centreline as possible. The Watersnake motor and quick-release plate do not necessarily need to face directly forward. On slightly curved decks, spacer washers or blocks must be used to ensure level mounting of the motor base and/or lower quick-release plate. In some cases it may be necessary to fabricate a mounting plinth from alloy or fibreglass to provide a level location. If you are unsure please consult your marine technician.

### **INSTALLATION (SEE PAGE 13 FOR DIAGRAM)**

The bracket consists of two plates, top and bottom. Use the six screws (no.3) and washers (no.5) provided to attach the top plate (no.1) to the bottom of your bow mount motor and secure with locknuts (no.4). Use the screws (no.7) provided to fix the bottom plate to the bow section of your boat.

### **ATTACHING THE MOTOR TO YOUR BOAT**

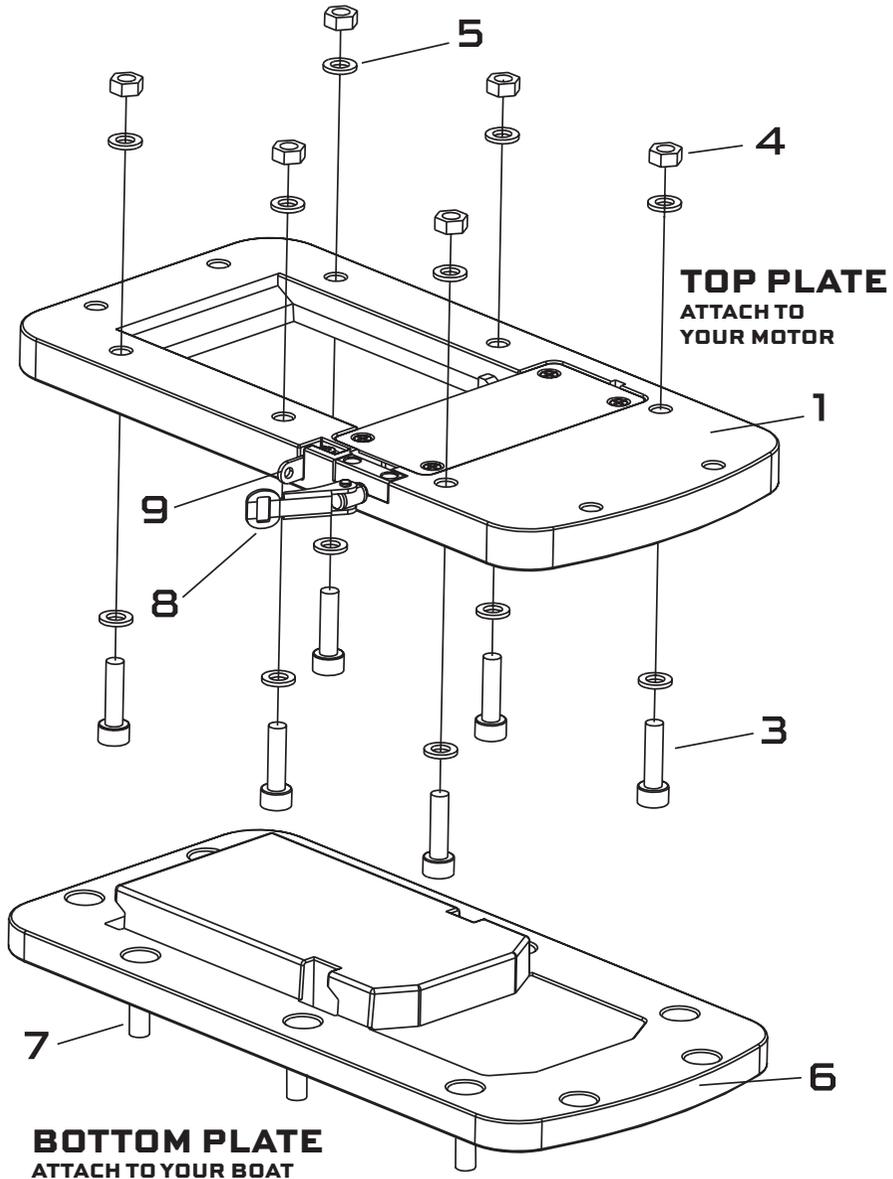
Rotate the latch (no.8) on the top plate counter clockwise until it stops. Place the top plate (no.1) onto bottom plate (no.6) the two plates will fit into one another. Turn the latch (no.8) clockwise until tight to lock the two plates in place. Seat the latch (no.8) over the top of the shackle (no.9). A padlock can be passed through the shackle (no.9) to secure your motor.

### **REMOVING THE MOTOR FROM YOUR BOAT**

Rotate the latch (no.8) counter-clockwise until tight. Slide the motor and lift to remove.

# INSTALLATION

## OPTIONAL ALLOY QUICK-RELEASE BRACKET



# BATTERY AND POWER



**CAUTION:** Please read the following information before you connect your electric motor to your battery.

## BEST PRACTICES

### INSTALLING AND CONNECTING YOUR MOTOR

1. Your Watersnake motor is designed to be powered by one 12V deep cycle or a LifePO4 battery that should output no more than 14.5v. If the voltage input to your Watersnake motor exceeds 14.5v it may damage the sensitive electronics and void your warranty. A dedicated battery system is preferable. Do not connect other items like fish finders or lighting to the trolling motor battery.  
**If you are unsure about the voltage output of your battery, contact your battery supplier or consult a marine auto electrician.**
2. This Watersnake motor is compatible with a battery system that is being charged by an alternator or solar system, so long as the voltage input to the Watersnake motor does not exceed 14.5v whilst the battery is being charged. The voltage your motor is receiving is displayed at the top of the remote control display.
3. Route the wiring from the battery to the trolling motor on an alternate route or path to other wiring on the boat. If possible, it is preferable the wire is fitted to the opposite side of the boat to other wiring.
4. If you have to extend the wiring to connect the motor please review the extending battery leads section of the manual (page 15) so you fully understand this process.
5. This Geo-Spot trolling motor does not require a circuit breaker or fuse. This motor has built in circuit protection.

## BATTERY TYPE

### USE A 12 VOLT DEEP CYCLE OR A 12V LIFEPO4 BATTERY

#### 12V DEEP CYCLE BATTERY

Deep-cycle batteries deliver sustained power with low current draw over extended periods. They can be drained to low levels without developing a “memory” and can be fully recharged hundreds of times over their working lives. Do not use a standard car, truck or marine batteries (called a cranking battery). They are designed to provide a pulse of “cranking power” over a short period, can develop a “memory” preventing complete recharge and can produce current surges that may damage sensitive electronic components on your Watersnake.

## LITHIUM BATTERIES



### TERNARY LITHIUM BATTERY WARNING

Ternary Lithium batteries must not be used with this Watersnake motor as their voltage output is too high.

# BATTERY AND POWER CONTINUED

## 12V LIFEPO4 LITHIUM BATTERY

Lithium Iron Phosphate (LiFePO4) are the safest lithium battery type. We recommend doing your research on a LiFePO4 battery before purchasing to make sure you are purchasing from a reputable company and the battery has a maximum voltage output under 14.5V. There are many cheap lithium batteries on the market that can be harmful to your Watersnake motor.

## EXTENDING BATTERY LEADS

The longer your battery cable needs to be, the thicker it needs to be to avoid damaging voltage drop. The supplied cable has the correct wire gauge (thickness) for its length. But if you need to extend the length by more than 30%, you will need to replace the existing cable completely with a new longer thicker cable. This means the entire cable will be the correct wire gauge for the new length. See below to find the correct wire gauge for your motor thrust and required cable length. Only use twin-sheathed tinned cable.

Motor Model/Thrust	Max AMP Draw	Wire Extension Length / Wire Gauge For Entire Cable		
65LB	50A	1 Metre [ 6AWG ]	1-3 Metres [ 6AWG ]	3-5 Metres [ 4AWG ]

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.

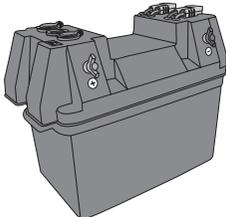
## BATTERY CHARGING

You can charge your battery via an alternator or solar system, so long as the voltage input to the Watersnake motor does not exceed 14.5v whilst the battery is being charged. If you are unsure about the voltage that your motor is receiving, consult a marine auto electrician.

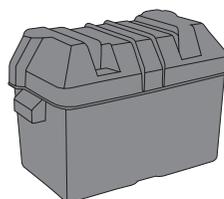
When you are off the water and are charging your battery at home for long periods of time via a 240v or 110 volt AC charger we recommend you disconnect the motor from the battery via the supplied Anderson plugs.

## AVOID USING STORE-BOUGHT BATTERY BOXES WITH BUILT-IN CIRCUITRY

Battery Boxes use low quality electrical components that cannot handle the high current loads that trolling motors draw. We recommend connecting your Watersnake motor directly to a deep cycle or LiFePO4 battery using the provided battery leads.



**BATTERY BOX WITH  
BUILT IN CIRCUITRY.  
DO NOT USE!**



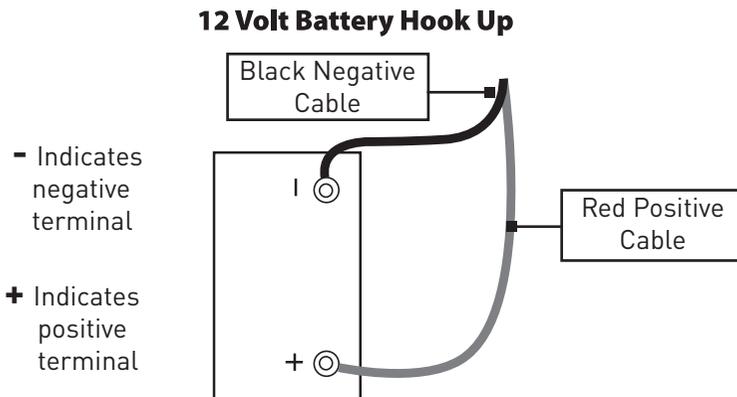
**SIMPLE BATTERY  
BOX WITH NO  
CONNECTIONS  
OK TO USE!**

# BATTERY AND POWER

## CONNECTING YOUR MOTOR TO THE BATTERY

All Watersnake wiring connections should conform to best marine standards. Soldered, sealed and heat-shrink protected. If you doubt your ability to produce quality waterproof connections or lack the equipment, consult a marine technician or auto electrician.

- Your Watersnake comes factory-fitted with a standard length of twin flex wiring with ring terminals to attach to the battery.
- 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.
- This Watersnake 65lb motor requires a 12V battery system.
- If you intend to charge your battery via an alternator or solar panel, it is important that the battery voltage output does not exceed 14.5v. The voltage your motor is receiving is displayed at the top of the remote control display.
- When not in use please make sure that the motor is disconnected from the battery. This can be done by simply disconnecting the Anderson plugs.



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

# USING THE MOTOR

## PRE-USE CHECKLIST – CHECK BEFORE EACH USE

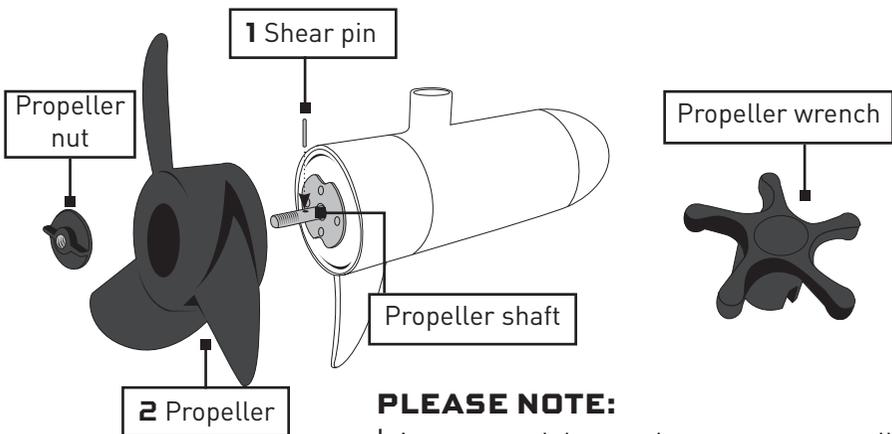
- Ensure that your Watersnake motor is securely attached to your boat (refer to page 8 of manual)
- Fully charged 12V deep cycle or 12V LiFePO4 battery.  
(your Watersnake motor is not designed to be used with a car / truck / motorcycle or marine cranking batteries)
- Check battery cables for any signs of damage or exposed wiring
- Check terminals for any signs of corrosion or debris
- Check Anderson plugs are clean and corrosive free
- Ensure Anderson plugs are connected together properly

## PROPELLER ASSEMBLY ATTACHING THE PROPELLER IMPORTANT!

**BEFORE DOING ANYTHING WITH THE PROPELLER, ENSURE THE CABLES TO THE BATTERY IS 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 using the propeller wrench. Do not overtighten; check regularly.



### PLEASE NOTE:

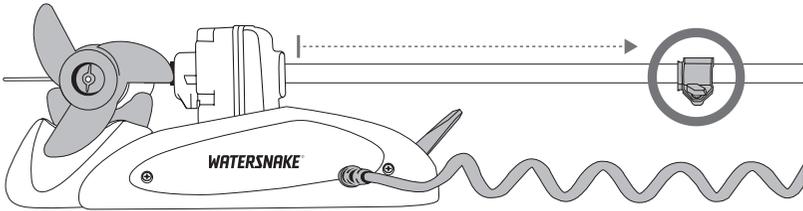
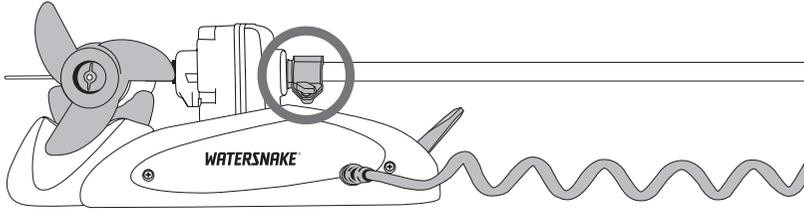
It is suggested that you have a spare propeller and Propeller Accessory Kit in your boat at all times.

# DEPLOYING INSTRUCTIONS

Failure to deploy your Watersnake as described below may damage your unit, invalidating its warranty, and could injure you and/or other people.

## STEP 1:

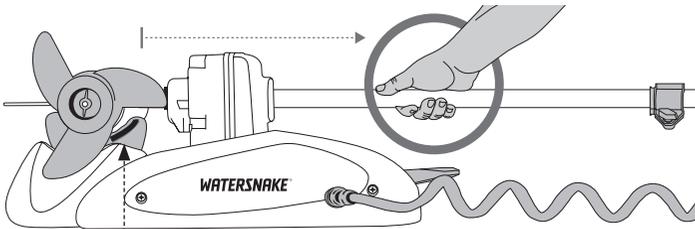
Loosen the depth collar and slide it up the shaft to the desired depth.



Tighten the depth collar at the desired depth.

## STEP 2:

Firmly grab hold of the main shaft and pull it back to secure the lower motor firmly into the locking clamps.

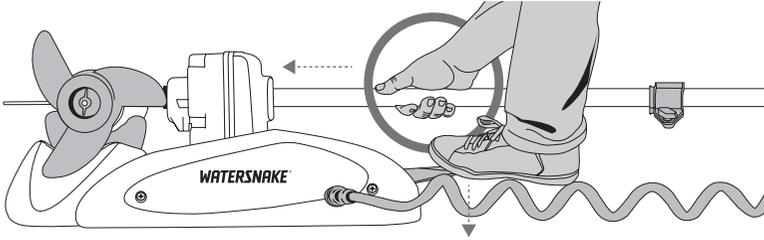


Make sure the lower motor unit is pulled firmly against the locking clamps as indicated.

# DEPLOYING INSTRUCTIONS

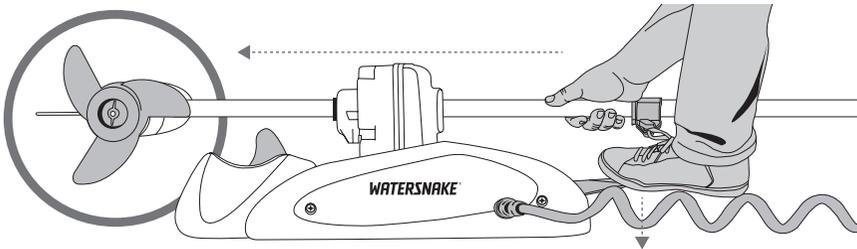
## STEP 3:

While firmly holding the main shaft gently press down with your hand or your foot onto the bracket release lever and push the shaft forward through the turning box at the same time.



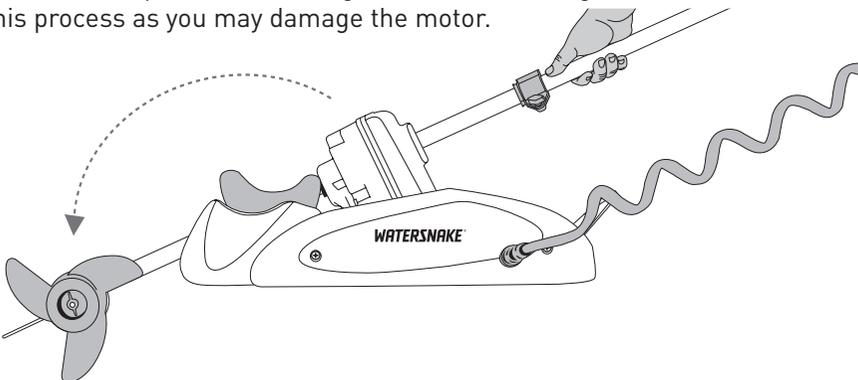
## STEP 4:

when the locking clamps release slide the shaft through the tuning box unit the lower motor unit is completely free from the locking clamps.



## STEP 5:

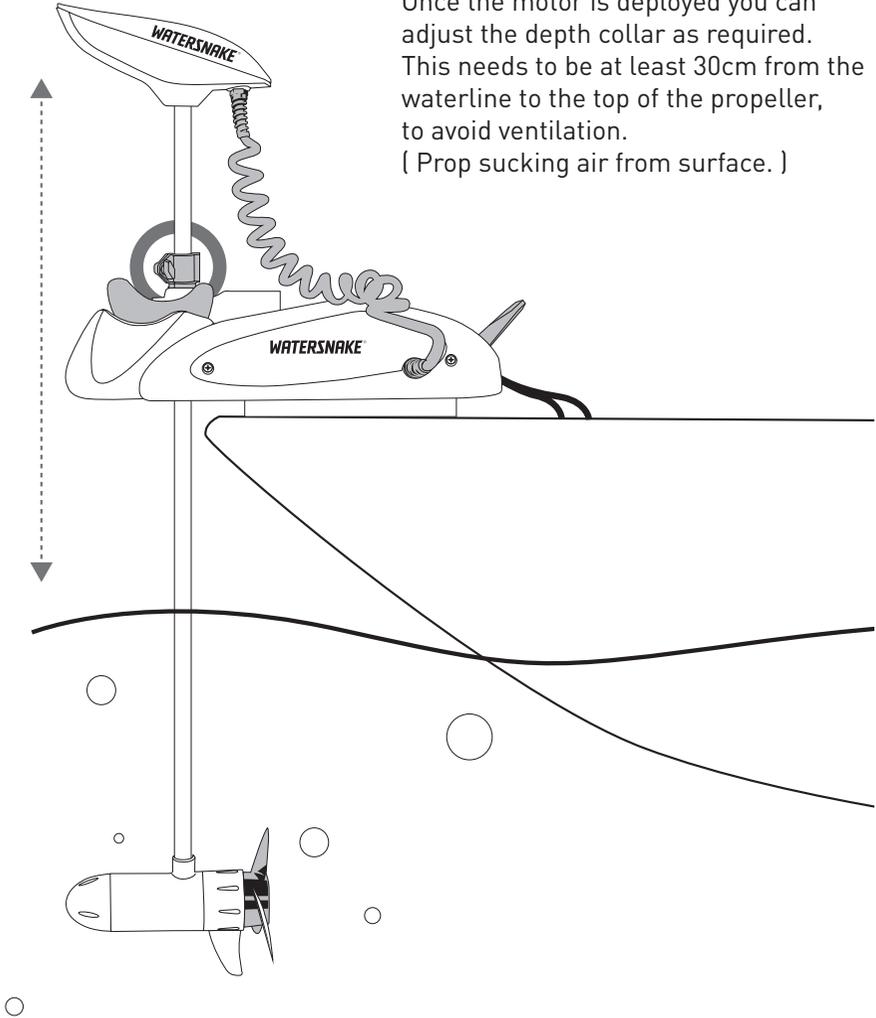
Slowly rotate the released motor unit into the deployed position. When you hear a click the motor is locked into place. Do not let go of the shaft during this process as you may damage the motor.



# DEPLOYING INSTRUCTIONS

## STEP 6:

Once the motor is deployed you can adjust the depth collar as required. This needs to be at least 30cm from the waterline to the top of the propeller, to avoid ventilation. ( Prop sucking air from surface. )



## PLEASE NOTE:

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

# STOWING INSTRUCTIONS

Failure to stow your Watersnake as described below may damage your unit, invalidating its warranty, and could injure you and/or other people.

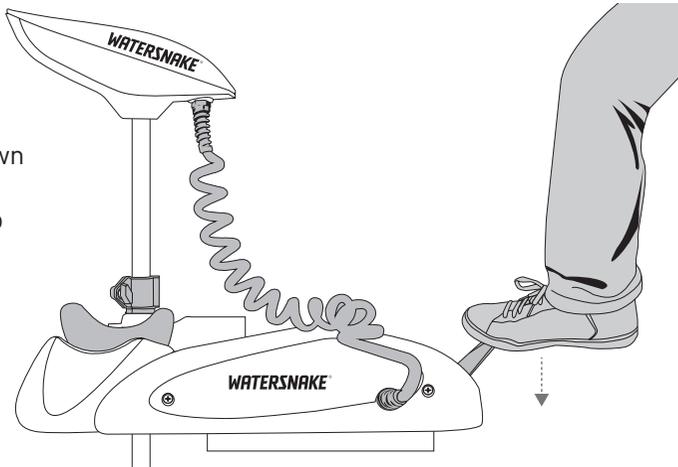


## STEP 1:

Turn off the Motor using the On /Off button on the back of the motor bracket

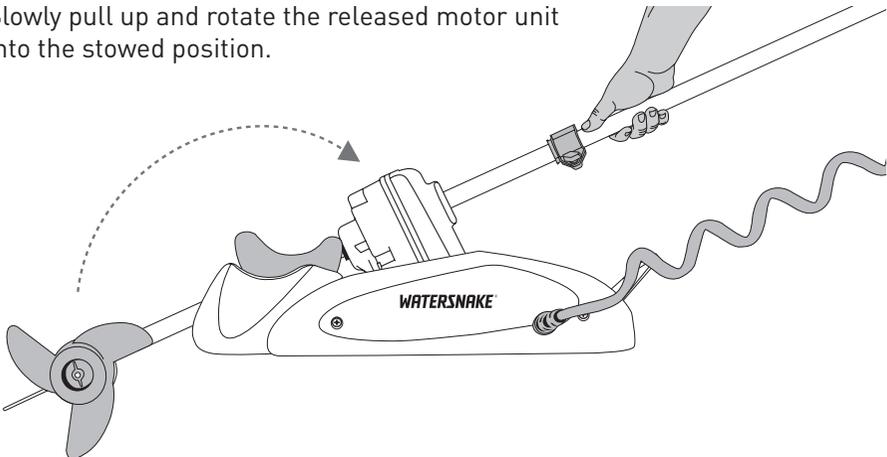
## STEP 2:

Gently press down with your hand or your foot onto the bracket release lever to disengage the locking mechanism.



## STEP 3:

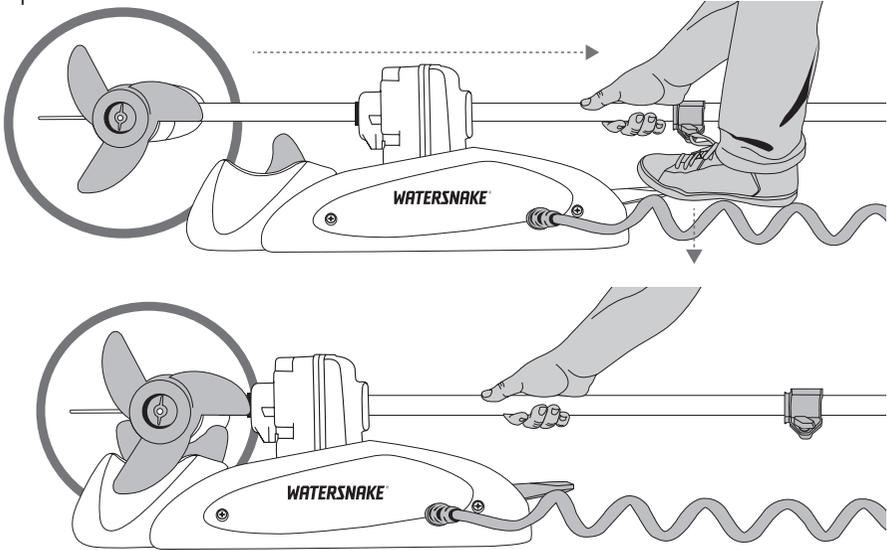
Slowly pull up and rotate the released motor unit into the stowed position.



# STOWING INSTRUCTIONS

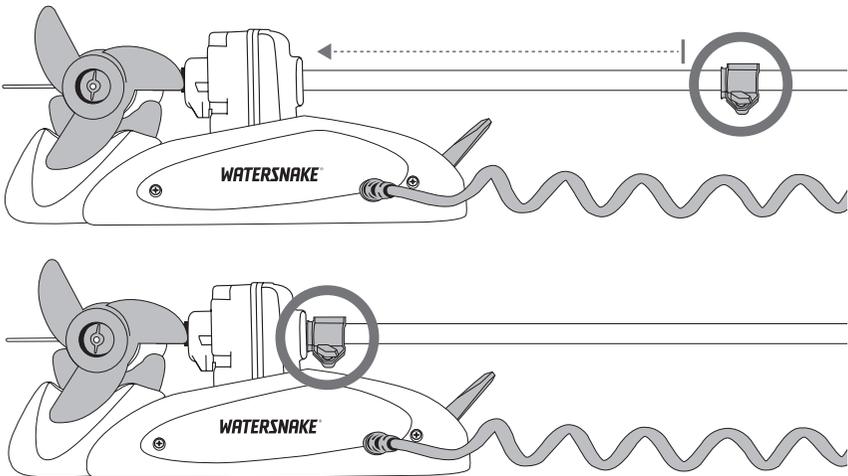
## STEP 4:

Gently press down with your hand or your foot on the bracket release lever and pull the motor back into the locking clamps until you hear a click. This indicates the lower motor unit is now locked in place.

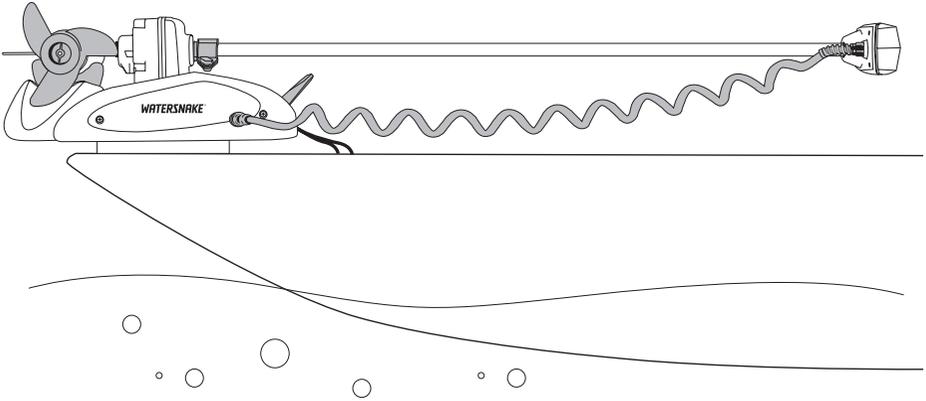


## STEP 5:

Loosen the depth collar on the motor shaft and slide it so that it is flush up against the turning box unit then re-tighten it. This will prevent the motor from self deploying whilst in transit.



# STOWING INSTRUCTIONS



## RECOMMENDATIONS:

Ensure your motor is properly stowed and secured before high-speed travel on the water or on the road. Additional support of the head unit may be required. Watersnake accepts no liability for injury or damage caused by the incorrect deployment or stowing of this motor.

For travel over long distances or over rough terrain, Watersnake recommends you remove the motor from the boat it is installed on and stow it securely in a safe and secure position with protection from bad weather.

After your boating trip deploy the motor and gently clean it of any contaminants with a sponge or rag. Do not spray the motor with high pressure water. After the motor is clean lubricate it's main shaft so that it is ready for the next trip.

While storing your motor after your boating trip it is recommended to disconnect it from the battery.

## PLEASE NOTE:

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

# REMOTE CONTROLLER

## REMOTE CONTROL

Do not attempt to operate the remote control while outside your floating boat. The remote unit is splashproof but not submersible. Do not immerse.

Use the lanyard provided to ensure the remote is at hand whenever required.

Do not wipe screen if there is a layer of dried salt, grit or sand on it. Remove gently with a soft, damp cloth to prevent scratching.

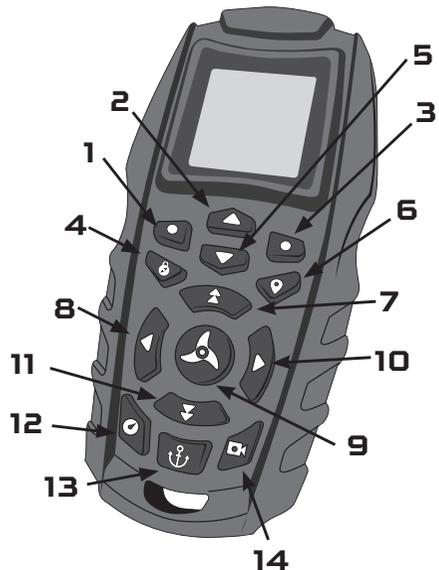
Use the neck lanyard for convenience but be careful not to immerse when leaning close to the water.

- The 3 x AAA batteries installed provide up to 100 hours of operation if backlight brightness and timeout are at lowest settings. See remote section.
- Battery condition indicator is at top right corner of home screen when power is on.
- Battery compartment is on underside and requires phillips head screwdriver. Watersnake recommends you carry spare batteries and an appropriate screwdriver for the remote on your boat at all times to ensure you have replacements in case of failure of the batteries in the remote unit.  
**( This remote unit requires 3 x AAA batteries )**

## REMOTE CONTROL OPERATIONS

### BUTTON DESCRIPTION

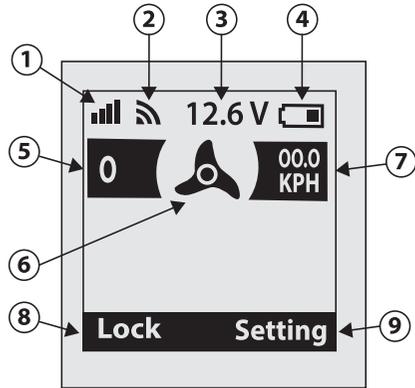
1. Menu left
2. Menu up
3. Menu right, Power on/off
4. Heading Fix/Course Fix on/off
5. Menu down
6. Navigation function menu
7. Propeller acceleration
8. Turn left
9. Propeller start/stop
10. Turn right
11. Propeller deceleration
12. Cruise Mode start/stop
13. Anchor Mode on/off
14. Record menu



# REMOTE CONTROLLER

## SCREEN DISPLAY

- 1 GPS signal strength
- 2 4G signal strength
- 3 12V battery voltage
- 4 Remote control battery level
- 5 Motor speed 0-10
- 6 Propeller start and stop
- 7 Vessel speed (over bottom)
- 8 Left menu
- 9 Right menu



## SCREEN DISPLAY ABBREVIATIONS

**To Start:** When recording or navigating a track the to start location is the beginning of the track.

**To End:** When recording or navigating a track the to end location is the end of the Track.

**Distance (DIST):** Distance from the boat's current location to an Anchor Point or the boat's location and closest point on a track.

**Bearing (BRG):** GPS direction from the boat's current position to a target destination, including a spot or a track.

**Heading (HDG):** Direction that the motor/boat is pointing or travelling.

**Distance to go (DTG):** When navigating to a Spot, the distance left before the destination is reached. When navigating a track, the distance to go to reach either the start or end location on the track, depending on which direction the track is being navigated.

# BEFORE EACH USE

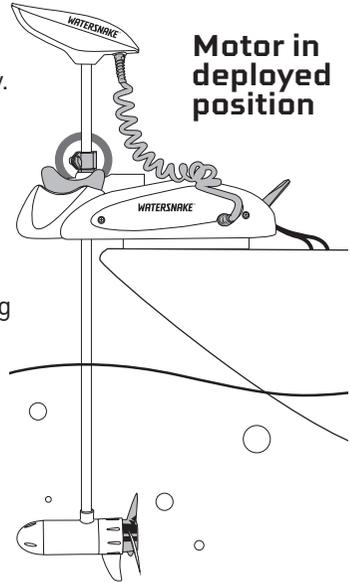
- Ensure that your Watersnake GPS motor is securely attached to your boat.
- Ensure the 12V deep cycle or 12V LiFePO4 battery is fully charged.  
(Your Watersnake GPS motor is not designed to be used with a car/truck starting battery).
- Check battery cable for damage or exposed wiring.
- Check terminals for corrosion or debris.
- Check anderson plugs are clean and corrosive free.
- Check the remote control has sufficient charge.  
(Remote battery indicator is at top Right of active screen).



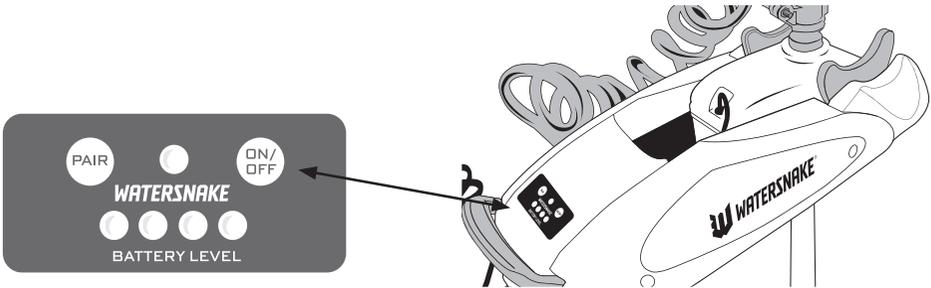
# INITIAL POWER-UP

- Attach your Watersnake Geo-Spot to a 12V deep cycle or 12V LiFePO4 lithium battery.
- Once your vessel is launched and on the water deploy the motor and ensure locking lever is in the up position.

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



- Hold down the right-hand button ( on/off ) on the fascia panel on mount assembly until all the lights illuminate.



- The four lower LEDs indicate battery condition. They register as green or unlit, depending on charge remaining.



# INITIAL POWER-UP (CONTINUED)

- The upper LED is the unit's Status Light. Its variable colour display signals important states of your Watersnake GPS.



- **Yellow Status Light:** When unit is turned on, Status Light glows YELLOW as unit searches for GPS signals. Superior GPS results occur outdoors, away from tall buildings, bridges etc.

- **Green Status Light:** When unit establishes a GPS connection, usually within a few seconds, status LED FLASHES GREEN, THEN TURNS SOLID GREEN. Unit can be operated by the optional foot pedal only (when cable is connected) at this time.

- **PLEASE NOTE: The remote is paired to the motor out of the box.**

If the motor does not respond to the remote please pair the remote to the motor as shown on page 37 of this manual.

- **Flashing Red Status Light:** Motor is in stowed position and will not activate for safety reasons.
- **Continuous Flashing Green Status Light:** The motor needs to be paired to the remote. Follow pairing instructions on page 37.

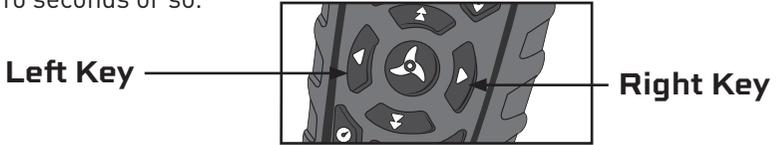
- Power up remote control by holding down Red Key 3 for two seconds, then release and the screen illuminates. Motor unit should respond with "shave-and-a-haircut" musical beeps pairing signal. Status light GREEN. Hold on! Just a few more things...



# GPS USER INSTRUCTIONS

## CALIBRATIONS, PREFERENCES

- The remote might now ask you to calibrate steering by activating the grey Turn R or L key for it to establish steering registration. It takes only 10 seconds or so.



- Press that red key again to activate the main Menu. Use the adjoining blue up/down keys to scroll through the setup menus.



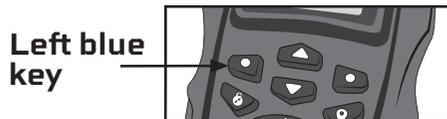
- Using the blue arrow down key, scroll down to boat size and configure boat details. This helps your Watersnake GPS apply just the right amount of initial power to the propeller at all times.

Small boat = under 3m

Medium boat = 3m-4m

Large boat = 4m+

- Select boat size with red key, lock it in and get back to the settings menu, again with the left blue key.

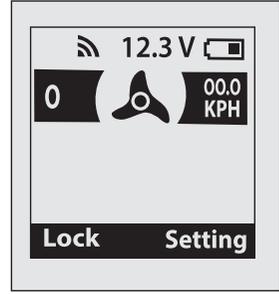


- Scroll to Units and check metric or imperial; press red key to confirm. Default is metric. Press left blue key to get back to main menu and continue scrolling down.
- In the Backlight menu, adjust Timeout and Brightness using red Confirm key. The longer and brighter the remote screen is illuminated, the shorter the remote battery life. The brighter the day, the brighter the display; go for a dim backlight to retain night vision.
- In the Backlight menu, adjust Auto Off to select your choice of 15 minutes to 120 minutes. Auto Off acts when remote has been idle for the stipulated time.

# GPS USER INSTRUCTIONS

## MANUAL MODE

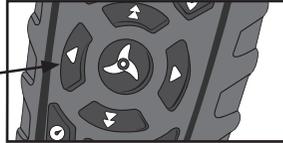
In this Mode, the remote display function area is blank. The base unit status light is GREEN. The motor can operate with remote control and optional foot pedal. The optional foot pedal can be switched to constant or momentary. Buttons 7, 8, 9, 10 and 11 control propeller, speed and steering.



Manual Mode Display

- The middle five grey keys control operation in Manual Mode. Status Light glows GREEN in Manual Mode when controlled by remote and/or optional foot pedal. ( See page 40 for more information on the optional foot pedal controller.)

Middle grey  
five keys



Keys 7,8,9,10  
and 11.

Optional  
foot  
control



- Remote default at startup is zero power level, propeller stopped.
- Grey arrows up and down progressively increase and reduce power between zero and Level 10. Each increment change produces a short notification tone from the base unit fascia panel.
- L and R turn keys on remote and Pedal operate as long as they are held down, to a maximum of seven seconds. For further rotation, depress and hold again
- Centre Propeller toggle button applies/halts power to propeller and produces a tone at stop/start.
- Always apply power gradually for smooth operation.
- Optional foot pedal controls also operate in conjunction with manual Mode, status light GREEN.

# GPS USER INSTRUCTIONS

## ANCHOR MODE: HOLD YOUR POSITION

Press Anchor Mode (Key 13) and the motor enters Anchor Mode immediately, referring to GPS position where key was activated. Motor will navigate boat back to position, nominal accuracy 2m in favourable conditions. Status light is BLUE

Function screen displays distance from anchor point, GPS bearing back to anchor point.

Menu screen displays: Exit = exit Anchor Mode; Save = save current anchor point.

Press Anchor Mode key again to exit.

To save a current Anchor spot to memory, ensure Save appears in menu screen display and depress Key 3. Up to 16 spots can be saved.

If you have a Watersnake Navigation Sensor accessory fitted to your vessel, you will be able to utilise the JOG feature when in Anchor Mode. When in Anchor Mode and locked on a GPS position, simply press the directional arrow for the direction you wish to adjust your locked position by 1.5 metres. This will then adjust the GPS position forward, back, left or right, each time that a directional arrow is depressed.

Do not rely on Anchor Mode as your vessel's sole means of anchoring. Anchor Mode is for short-term position holding in light conditions and is not to be relied on to maintain a vessel's position in significant current, wind, weather or tide. A vessel in Anchor Mode is considered by the International Regulations for Preventing Collisions at Sea (Colregs) to be "under way" and should display appropriate lights and practise relevant collision avoidance. Do not use Anchor Mode in busy channels or shipping fairways.

- Anchor Mode is Key 13, at bottom centre, with anchor icon.
  - Press once to activate; alert tone should sound, status light should glow steady BLUE and boat should remain within 2m of the point where you hit the Anchor key. Remote display should indicate distance to Spot. It is preferable to slow down before entering Anchor Mode to avoid overrunning the target, as your Watersnake GPS motor returns to the exact position where key was activated.
  - To quit Anchor Mode and revert to Manual Mode, press Anchor key 13 again. Exit alert tone will sound, status light will glow GREEN. Power in Manual Mode will default to last power level used in Anchor Mode.
  - Fine repositioning adjustments can be made in Manual Mode – then press Anchor key again to anchor at your new location.
- Your Watersnake GPS can save up to 16 spots and return to them at any time if they are less than 1km away. See remote Instructions section for details.

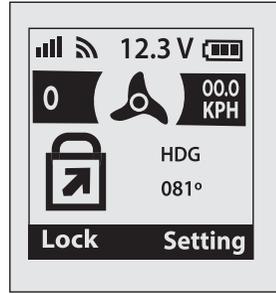


# GPS USER INSTRUCTIONS

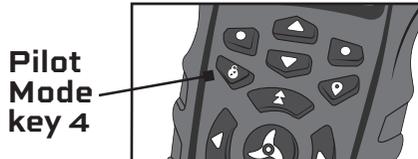
## **PILOT MODE: MAINTAIN YOUR HEADING REGARDLESS OF WIND OR CURRENT.**

Pilot Mode key is Key 4 (with compass icon).

- Pilot Mode can be toggled between:
  - Heading Mode (the direction the Watersnake GPS motor is pointed when Pilot Mode key is activated.) Screen function area displays: Heading icon, target heading of motor.



Pilot Mode key is Key 4 (with compass icon).



- Pilot Mode can be toggled between:
  - Heading Mode (the direction the Watersnake GPS motor is pointed when Pilot Mode key is activated) and
  - Course Mode (the “true” course bearing as it would appear on a marine chart or GPS plotter screen.)
- You can choose between Heading and Course by selecting in the Fix menu, in the Settings section under the Red key.
- You can use the grey L or R steering keys on your remote or L or R pedals on optional pedal control to adjust Heading or Course. A new heading direction or course will appear in remote screen display.
- To quit Pilot Mode, simply press the Pilot Mode key again.
- Foot pedal controls also operate in Pilot Mode.  
Learn how to operate Cruise control in Heading or Course Mode by referring to the detailed remote Instructions section.

# GPS USER INSTRUCTIONS

## GPS SPEED

The speed readings displayed on your remote indicate speed over the bottom or “speed over ground” and do not reflect the actual speed of your boat through the water. Water speeds are affected by wind, tides, current, wave action and many other variables.

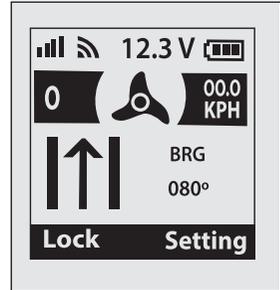
## COURSE MODE

(the “true” course bearing as it would appear on a marine chart.)

Screen function area displays:

Course Mode icon, course bearing from boat.

- Choose between heading and course by selecting settings section under red Key 3, then fix menu.
- You can use the grey L or R keys to readjust heading or course. A new heading direction or course will appear in the remote screen.
- To quit Pilot Mode, simply press the Pilot Mode key again.
- Foot pedal controls also operate in Pilot Mode.



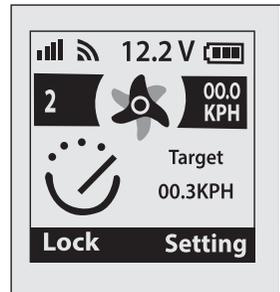
## CRUISE CONTROL MODE: MAINTAIN YOUR GROUND SPEED REGARDLESS OF WIND OR CURRENT.

Press the Cruise key 12 ( with speedometer icon ) to enter or exit this Mode. In this Mode, the motor will run at a selected “speed over ground”, ie, GPS speed in relation to the bottom – not the speed in relation to current, wind, tide or other effects on the boat as it travels on the water. Screen Function area displays: current target speed.

To adjust speed in Cruise Mode, depress grey Speed Up or Speed down keys ( Keys 7 and 11 ).

Speed over ground will increase or decrease by 0.2kmh for every keystroke.

Note: Cruise Mode cannot be started when propeller is not turning. Cruise Mode can be operated simultaneously with Navigate Mode or Pilot Mode.



# GPS USER INSTRUCTIONS

## TRACK RECORDING: RECORD YOUR FAVOURITE FISHING ROUTES TO RETRACE THEM LATER AUTOMATICALLY.

Your Watersnake GPS can record 16 Tracks, each up to 5km long.

To record a track, press Key 14 ( camera icon ).

Select Track number and Confirm Function displays: Distance recorded below Record symbol

Menu display: Select Exit to abort route recording; select Finish to save the current

recorded route. Remote will ask you to assign a number from 1-16 to your saved track.

To delete an existing track, assign new saved track to that number; ie, overwrite to delete.

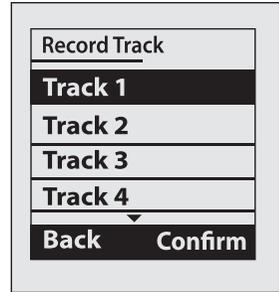
Track is recorded but speed is not saved.

Status light is BLUE.

**NOTE:** You may record a track while your Watersnake GPS is simultaneously in Cruise Mode.

**NOTE:** You may record a track while your Watersnake GPS is simultaneously in Cruise Mode ( Key 12 ) and Pilot Mode.

**NOTE:** Anchor Mode and Track Record cannot operate simultaneously.



# GPS USER INSTRUCTIONS

## NAVIGATE MODE: AUTONOMOUSLY GETS YOU TO THE START OR END OF YOUR RECORDED ROUTE, THEN FOLLOWS IT.

When entering or resuming Navigate Mode, ensure that no hazard such as shallows, snags or rocks lie in a direct path between your vessel and the Spot or Track it is navigating to. If there is a bridge or a waterway surrounded by high buildings between your vessel and the Spot or Track, your Watersnake GPS also may lose satellite signal and fail to proceed on its navigated course. Maintain a safe speed and keep a proper lookout at all times when in Navigate Mode.

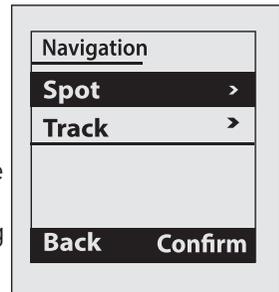
Navigate Mode enables the user to precisely follow a saved track, turn by turn, up to 5km long. It is particularly helpful for trollers, who can use Navigate in conjunction with Cruise Mode to get perfect lure speed. Lure casters might prefer to use Navigate to work a saved track along a shoreline, adjusting speed manually as they work specific areas before moving on.



Select Navigate Mode, Key 6 ( location marker icon ), to enable your Watersnake GPS motor to navigate back to a saved Spot or Track within 1km away.

- To navigate back to a saved Spot, press Key 6 to enter Navigate Mode, then use Menu keys to select the saved Spot number (within 1km away), press Confirm. Select speed, apply power and your Watersnake GPS will navigate back to that spot. Once reached, it will enter Anchor Mode.

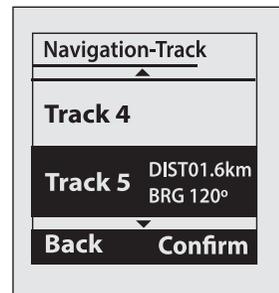
Function screen displays Spot #, Distance to, Bearing to. Menu screen displays: Back, Confirm.



- To navigate back to a saved Track and then follow it, press Key 6 to enter Navigate Mode. Then use Menu keys to select Track number, press Confirm, select which way along your chosen track to proceed (start/end), and your Watersnake GPS will navigate back to the start/end of that track. Once the track end is reached, motor will enter Anchor Mode. You can also select other end Modes in the Settings menu.

Function screen displays; Spot #, Distance to, Bearing to Menu screen displays: Back, Confirm

**NOTE:** You may navigate to or along a track or to a spot while your Watersnake GPS is in Cruise Mode.



# GPS USER INSTRUCTIONS

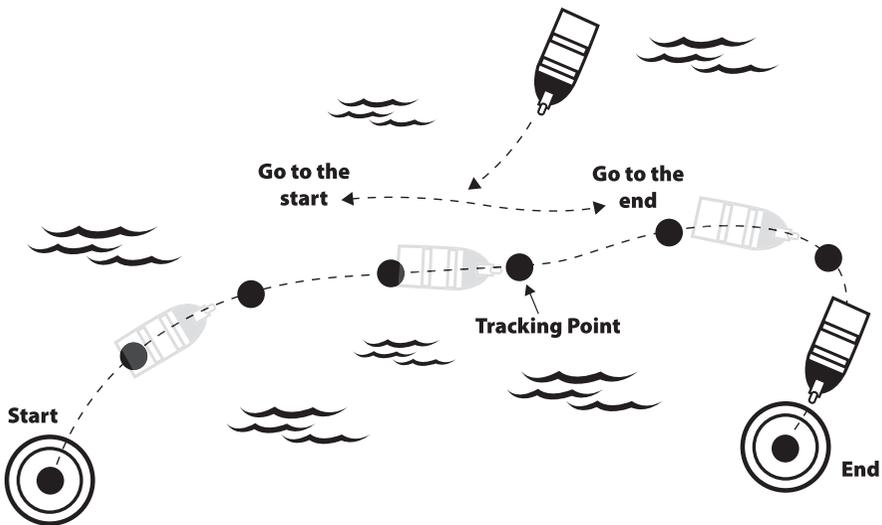
## NAVIGATE MODE ( CONTINUED )

Your Watersnake GPS will follow a recorded Track from either end by reversing Track Start. Remote screen function area will display length of Track remaining. Each of the 16 savable tracks can be up to 5km long.

**NOTE:** You may halt progress along your selected track at any time by ceasing to apply power. You may break away from your selected track by pressing the Navigate key again to quit Navigate Mode and then enter Manual Mode or Anchor Mode, eg, to fight and land a fish.

To rejoin your track, press Navigate again, select your track number, Confirm, apply power and your Watersnake GPS will take you back to the closest point on your track and then resume navigation.

Again, ensure no hazard lies in a direct path between your vessel and the Track you intend to resume. Maintain a safe speed and keep a proper lookout at all times.



## VIDEO USER GUIDE

For a full video user guide for the Watersnake Geo-Spot 65lb motor please scan the QR code. You can also find the video on the Watersnake Geo-Spot 65lb motor page on the Watersnake website: [watersnake.com.au](http://watersnake.com.au)

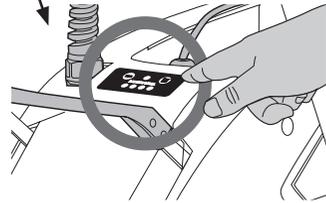
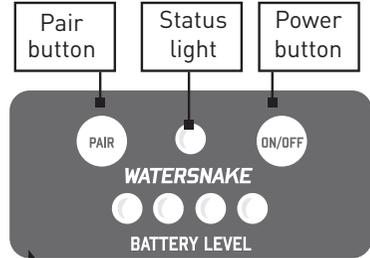


# HOW TO PAIR THE REMOTE CONTROL TO THE MOTOR

If the remote control unit becomes unpaired and cannot be connected to the motor ( No solid green status light ) please take the following steps.

## STEP 1:

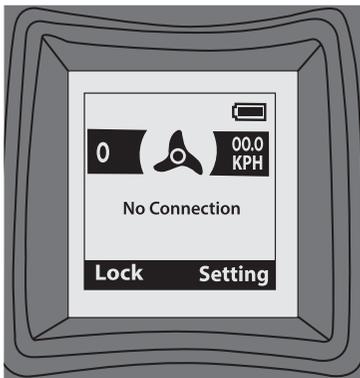
Deploy the motor and press the power button ( On/Off ) to power up the motor. The top centre green status light will be flashing slowly.



## STEP 2:

Power up the remote control by holding down the red button with the white circle for 2-3 seconds until you see the backlight on the screen turn on.

If the remote control is not paired the screen will indicate no connection as shown below.



# HOW TO PAIR THE REMOTE CONTROL TO THE MOTOR

## STEP 3:

At the bottom of the screen you will see the words “Lock” and “Setting”.

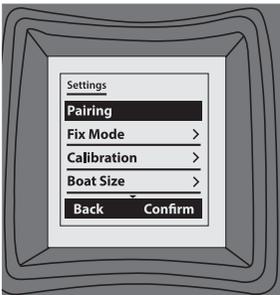
Press the red button with the white circle to enter the Settings menu.



## STEP 4:

After entering the Settings menu the Pairing option will already be selected. Press the red button with the white circle again to enter Pairing Mode.

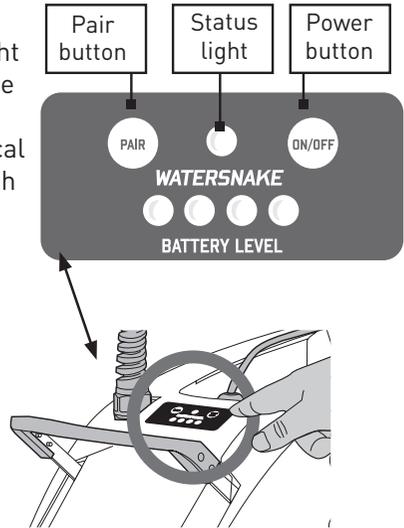
The screen will indicate the remote is now in Pairing Mode and looking for the motor.



# HOW TO PAIR THE REMOTE CONTROL TO THE MOTOR

## STEP 5:

Go back to the motor bracket, the status light should still be flashing slowly. Hold down the Pair button until it beeps quickly 4-5 times and you hear the “shave an haircut” musical beeps. Your motor should now be paired with the status light showing solid green.



## YOUR REMOTE SHOULD NOW BE CONNECTED.

Test that the remote control unit controls the motor as expected. If it doesn't turn the motor or spin the propeller, turn the remote off, turn the remote on and repeat steps 2 and 5. If you are continuing to have trouble connecting your motor to the remote please contact Watersnake by filling out the contact us form on the Watersnake website.

<https://www.watersnake.com.au/pages/contact>

Alternatively you can also scan this QR code to be taken to the contact form.

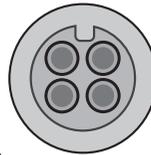


# OPTIONAL WATERSNAKE GEN 3 FOOT CONTROLLER

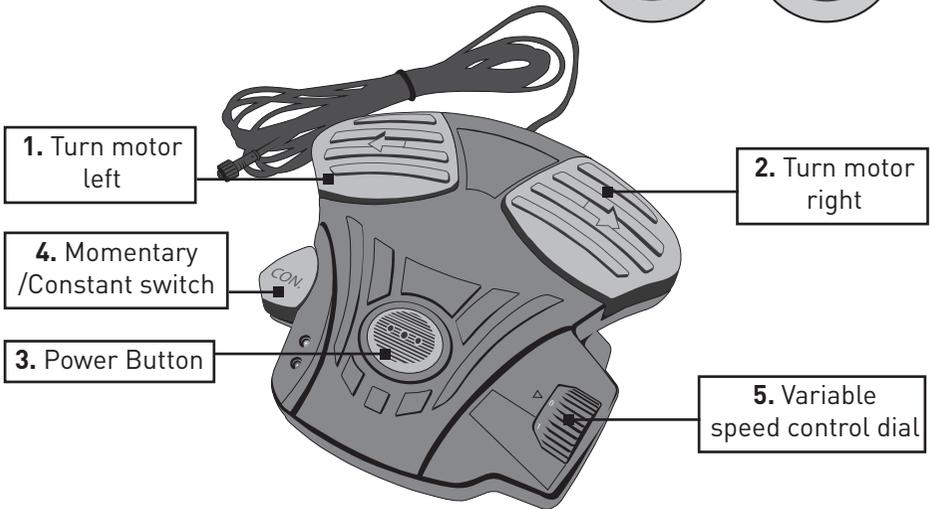
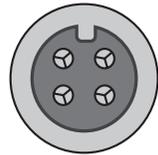
1. The optional Watersnake Gen 3 Foot Controller ( sold separately ) allows you to control your motor hands free. It includes a variable speed control dial for infinite speed adjustment.
2. To connect the foot pedal controller to the motor, unscrew a cap from one of the two short leads coming from the back of the motor bracket. Plug the foot pedal controller cable in and tighten the screw in locking collar to finger tightness.

**Please note:** The foot controller plug is keyed. Please take care to connect the foot controller plug correctly.

**Controller socket**



**Controller connector**

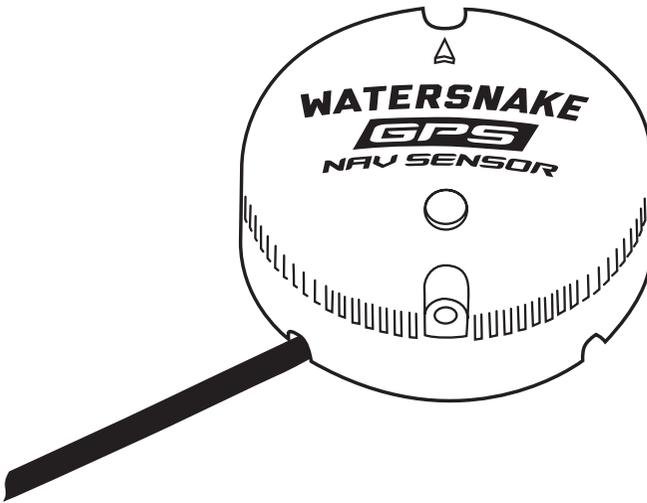


- (1) Turn the motor to the left by depressing Button 1.
- (2) Turn the motor to the right but depressing Button 2.
- (3) Use your heel to apply power by depressing Button 3.
- (4) Momentary/constant switch. Toggling this switch alternately allows the user to apply power momentarily, whenever the power button (3) is held down (adjacent red LED is lit), or constantly, without touching power button (adjacent green LED is also illuminated).
- (5) Variable speed control dial.

# OPTIONAL NAV SENSOR

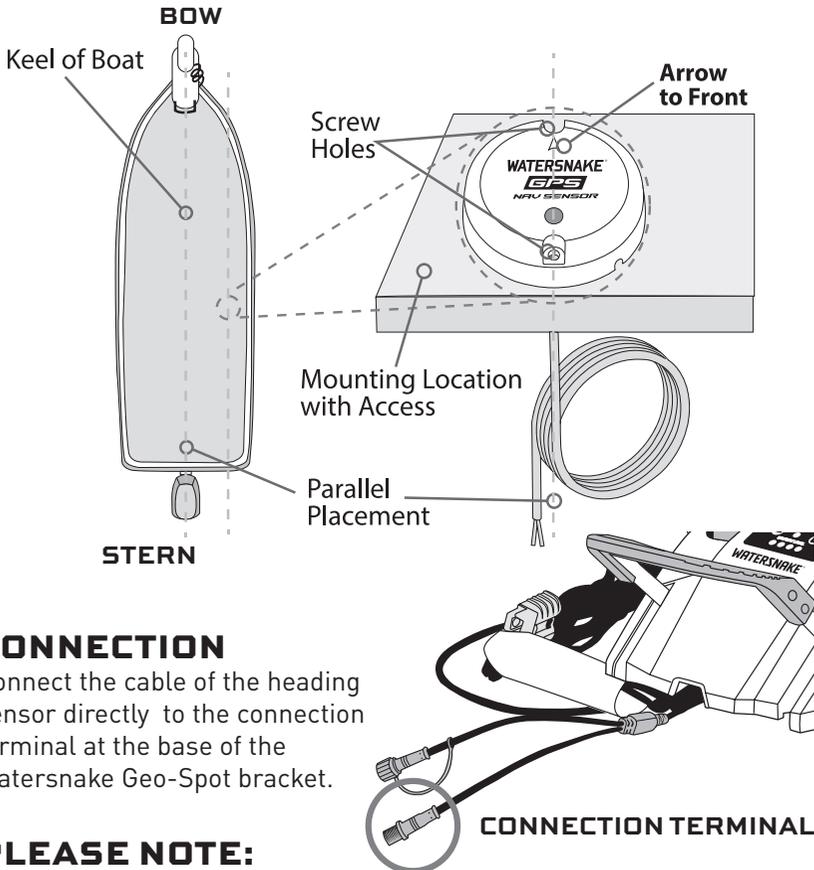
A Navigation Sensor is available as an optional accessory for the Geo-Spot GPS motors. If installed, the Navigation Sensor adds a JOG function; this allows the GPS lock position to be moved in increments of 1m in the direction of the arrow pointer button(s) on the remote that you press. This feature is very useful as it means you do not need to exit Anchor Mode and navigate to another point to reset your new position – you simply jump to a new position 1m in the direction that you choose, and the motor will hold you there. In operation, this improves the overall function and experience with the motor.

If you have purchased a Navigation Sensor it can be fitted to one of the two leads coming from the motor bracket. To fit the Navigation Sensor, screw the cap from one of the leads and attach the lead from the foot control to one of the leads coming from the bracket until it is fitted well. The alternate lead is available for fitting a Foot Pedal Controller if so desired.



# OPTIONAL NAV SENSOR INSTALLATION

1. Install the sensor unit on the stern of the boat at a point well away from the trolling motor.
2. The arrow on the cover should point towards the bow of the boat.
3. The axis of the two screw holes should be parallel to the keel of the boat.
4. Install the sensor on a flat horizontal surface. Do not place on a tilted surface.
5. Ensure that there are no high-current power wires or iron-containing objects within 15cm of the sensor.
6. Stainless steel screws are the best option for fixing (do not use screws containing iron).



## CONNECTION

Connect the cable of the heading sensor directly to the connection terminal at the base of the Watersnake Geo-Spot bracket.

## PLEASE NOTE:

Watersnake accepts no liability for personal injury or property damage caused while fitting this motor accessory. Please wear appropriate protective clothing and eyewear/ face protection. Avoid contacting and/or inhaling fibreglass dust or aluminium shavings.

# OPTIONAL NAV SENSOR OPERATION INSTRUCTIONS

- 1. DEPLOYMENT:** Ensure that the curly helix cable is not wrapped around the motor shaft or twisted when lowering into the water. Turn on the trolling motor and the heading sensor will be operational.
- 2. UNTWISTING FUNCTION:** If the curly helix cable rotates more than  $360^\circ$  in the same direction when using the course-fix, heading-fix, automatic Navigation and Anchor Mode, the heading sensor will initiate an untwisting operation. During this operation, the motor will temporarily stop and untwist. The electric motor resumes operation upon completion.
- 3. JOG FUNCTION:** When the trolling motor is in Anchor Mode, the user can press the acceleration (forwards), deceleration (backwards), turn left (left), and turn right (right) buttons on the remote control to operate and direct the jog function. The four jog directions act as coordinates relative to the current boat direction. With each press, the trolling motor moves in 1-metre increments. The user can press the same direction continuously to accumulate a distance of up to 10 metres.



## NAV SENSOR INDICATOR LIGHTS:

- **WHITE LIGHT** – FAST FLASHING --- STARTING
- **GREEN LIGHT** – SLOW FLASHING --- NORMAL OPERATION
- **GREEN LIGHT** – FAST FLASHING --- EXCESSIVE TILT ANGLE
- **BLUE LIGHT** – SLOW FLASHING --- MAGNETOMETER CALIBRATION
- **RED LIGHT** – SLOW FLASHING --- COMMUNICATION INTERRUPTION
- **RED LIGHT** – FAST FLASHING --- SENSOR DISTURBED OR DAMAGED

# 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. Of course once you engage your Watersnake motor for use make sure it is set to the ideal depth. About 30cm from the water surface to the top of the propeller. When you are taking off gradually increase the speed of your trolling motor, do not accelerate 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.

## AFTER EVERY USE

- Check your remote control is turned off.
- Disconnect motor from the battery. This can be done by simply disconnecting the Anderson plugs.
- Check Anderson plugs are clean and corrosion free.
- A light spray of WD40 inside your Anderson plugs will reduce corrosion and build-up.
- Recharge the battery as soon as possible.
- Wipe down the Watersnake motor with a damp sponge, even after freshwater use.
- **Do not use high pressure wash** as it may drive water and salt inside the motor. Concentrate on areas where salt, dirt and weed fragments are likely to lodge – propeller, motor housing, composite shaft, turnbox, depth collar and exposed parts of deck mount assembly.
- Deploy your motor and wipe the shaft clean of any salt or dirt. It is recommended to lubricate the shaft before stowing the motor for storage.
- Wipe these areas with a cloth soaked in warm soapy water and allow to dry.
- Apply a light coating of a non-staining silicone, petroleum-based or lanolin spray to protect and lubricate exposed parts. Wipe over with a soft, dry cloth.
- Store your Watersnake motor disconnected from its battery.
- If boat is stored outdoors, remove Watersnake and store securely indoors in a cool, dry place.
- If your Watersnake motor is permanently mounted to the boat outdoors, protect it from sun and rain with a tarpaulin or other cover.
- Lengthy exposure to the elements can affect your motor and it's warranty.

# MAINTENANCE

## MAINTENANCE PERIODICALLY DURING THE SEASON

- Disconnect motor from the battery. Inspect battery terminals and cables for signs of corrosion. Remove buildup with a small wire brush and treat with anti-corrosion spray.
- Check Anderson plugs are clean and corrosion-free.
- A light spray of WD40 inside your Anderson plugs will reduce corrosion and build-up.
- Apply a silicone, lanolin or carnauba wax coating to the composite shaft to ensure free running through the turnbox.
- Remove left and right side covers from the deck mount assembly with Phillips head screwdriver and remove any dirt, salt, mud or debris inside. Gently rinse with fresh water, allow to dry and apply marine grease to all friction points, such as the stow and deploy mechanism.
- Check for any loose screws/bolts, fasteners in deck mount assembly and upper quick release plate. Re-Tighten as required.
- Remove motor from bottom quick-release plate and check tightness of bolts against foredeck/gunwale of your boat. Retighten as required.
- Check condition of remote batteries for corrosion or leakage. Replace if suspect.

## END OF SEASON, LONG-TERM STORAGE

- Disconnect motor from battery.
- Inspect battery terminals and cables for signs of corrosion. Remove buildup with a wire brush and treat with anti-corrosion spray.
- Check Anderson plugs are clean and corrosive free.
- A light spray of WD40 inside your Anderson plugs will reduce corrosion and build-up.
- Disconnect pedal control. ( If you have one )
- Apply a silicone, lanolin or carnauba wax coating to the composite shaft to ensure free running through the turnbox.
- Remove the side covers from the mounting bracket. Clean any dirt, debris or corrosion from the mechanism and reapply marine grease to any moving parts.
- Remove batteries from remote control.
- Remove motor from boat and store in a cool, dry place away from temperature extremes. Cover your Watersnake motor to prevent dust and dirt buildup.
- Apply Dielectric grease to electronics.

# TROUBLESHOOTING

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 or LiFePO4 battery, wiring and 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 the battery connections have not been reversed (reversed polarity).
- Check that your 12V deep cycle or 12V LiFePO4 battery is fully charged (+ 12V).
- Check terminals / connections are secure and not loose.
- Check terminals / connections for any signs of damage, corrosion or build up of debris including Anderson plugs.
- If the battery leads have been extended, ensure correct gauge wire has been used (refer to table on page 15 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 WATERSNAKE).

## **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 or LiFePO4 battery is fully charged (+ 12V).

## **MOTOR WILL NOT RUN AT VARIABLE SPEEDS**

- Check that your 12V deep cycle or 12V LiFePO4 battery is fully charged (+ 12V).
- Check terminals / connections are secure and not loose.
- Check terminals / connections for any signs of damage, corrosion or build up of debris including Anderson plugs.
- Ensure motor is on and remote batteries have charge.

# TROUBLESHOOTING

## MOTOR HAS DIFFICULTY STEERING

- Check if coiled power lead from base to motor head is tangled/knotted around shaft. Stop and unravel or raise shaft from turnbox collar and manually rotate to disentangle.

## MOTOR WILL NOT STAY IN ANCHOR MODE

- Check remote display for GPS signal – top left 4 bars for signal quality. Restart motor and remote to establish connectivity and satellite reception.
- Check pairing of remote and motor. With power on remote and motor, press Pairing button on motor and await “shave and a haircut” musical beeps pairing signal.
- Check Anchor Mode is engaged.
- Check Anchor spot is within 1km of current position (distance should appear on remote display).
- Check battery has sufficient power (voltage appears on top line of remote display).
- Check coiled upper power lead for tangling.
- Check in remote/Menu/Settings/Boat size that it conforms with your craft.
- Check current, wind, tide conditions are within operational parameters of motor. Motor is unable to hold position if wind/water conditions produce boat drift exceeding potential top speed of motor, eg, around 6km/h.

## DIFFICULTY DEPLOYING OR STOWING

- Ensure you follow correct deploy/stow process (refer Stow and Deploy section in this manual. Pages 18-23 ).
- Check for obstructions within the mounting assembly.
- Lubricate shaft with spray lubricant. Concentrate spray on area where shaft runs through turnbox.
- Clean any debris from the mounting bracket.
- Remove the side covers from the mounting bracket and apply marine grease to moving parts of the stow/deploy mechanism.

# TROUBLESHOOTING

## REMOTE CONTROL

- Blank remote screen – not operational – 3 x AAA batteries may need replacement. Phillips head screwdriver required.
- Screen message “No Connection” –
- Check motor has powered up and status light shows GREEN
- Try restarting motor and remote control by powering off and restarting each.
- Check pairing of remote with motor by pressing left “Pairing” button on motor when remote is on. “Shave-and-a-haircut” musical beeps indicate pairing established.

## ERROR MESSAGES

If an error message is displayed on the remote control unit, an error has occurred with the motor control system. Please note the contents of the error message and/or photograph the remote control display message and contact Watersnake Service via the website contact centre (<https://www.watersnake.com.au/pages/contact>) to receive more detailed instructions on how the problem can be resolved.

## OPTIONAL FOOT CONTROL

- Check that foot control cable plug is firmly connected and locked in.
- Check for debris that may affect operation of pedal controls and cable connections.
- Check speed control dial is not set to zero.
- Restart motor and recheck.

# SERVICING

## 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.

For Australian residents, you can find up to date contact details on our website.

**Visit:** [www.watersnake.com.au/pages/watersnake-motors-spare-parts](http://www.watersnake.com.au/pages/watersnake-motors-spare-parts)  
alternatively you can scan the QR code.



Outside Australia, please contact your local distributor as listed on the back page of this booklet.

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.

# OPTIONAL ACCESSORIES

## WATERSNAKE MOTOR ACCESSORIES SOLD SEPARATELY

To order your Watersnake Geo-Spot accessories, visit:  
[www.anglerscentral.com.au](http://www.anglerscentral.com.au)



**Quick-Release  
Puck Plate Kit  
55528**



**Nylon  
Quick-Release  
Bracket 55502**



**Alloy  
Quick-Release  
Bracket 55016**



**Gen 3 Foot Control  
55532**



**3-Blade Prop  
55535**



**Propeller  
Accessory Kit  
55132**



**Nav Sensor 55533**

# SPECIFICATIONS

## WATERSNAKE GEO-SPOT 54" SHAFT MODELS

<b>MODELS</b>	<b>CODE: 55313 NAME: GEO-SPOT SW65/54 WHITE SALTWATER</b> <b>CODE: 55315 NAME: GEO-SPOT FW65/54 BLACK FRESHWATER</b>
<b>VOLTAGE (V)</b>	12 VOLT
<b>MAX.THRUST (LB)</b>	65LB
<b>MAX. RPM (NO LOAD)</b>	1650rpm
<b>SPEEDS</b>	VARIABLE
<b>SHAFT LENGTH (IN)</b>	54" (137cm)
<b>SHAFT WALL</b>	4.25mm
<b>SHAFT DIAMETER</b>	1.2"(30mm)
<b>MIN AMP DRAW (AMPS)</b>	0A
<b>MAX AMP DRAW (AMPS)</b>	43A
<b>MAX POWER (WATTS)</b>	350W ( MOTOR OUTPUT )
<b>PROP</b>	3 BLADE-WEEDLESS ( PITCH 94mm )
<b>REMOTE CONTROL</b>	DIGITAL FOB
<b>FOOT CONTROL</b>	OPTIONAL
<b>MOUNTING</b>	BOW MOUNT XB BRACKET
<b>WIRE GAUGE</b>	10AWG
<b>REQUIRED BATTERY</b>	12V DEEP CYCLE OR LiFePO4 LITHIUM
<b>MIN. RECOMMENDED BATTERY SIZE</b>	100 AMP HOURS*
<b>SUGGESTED LOADED BOAT WEIGHT</b>	UP TO 750KG
<b>MOTOR WEIGHT</b>	15KG

### SCHEMATICS AND PARTS LISTS:

55313 SW65/54 white motor pages: 54-57

55315 SW65/54 black motor pages: 58-61

### OPTIONAL ACCESSORIES SOLD SEPARATELY:

- Nylon Quick-Release Bracket
- Alloy Quick-Release Bracket
- Quick-Release Puck Plate Kit
- Gen 3 Foot Control
- Nav Sensor
- Spare 3-Blade Propeller
- Spare Propeller Accessory Kit

See page 50 for details.

**\* NOTE** - this is to be used as a guide only. Check with your battery supplier to confirm required size of 12 volt deep cycle or LiFePO4 Lithium battery that will be appropriate for your situation. Your Watersnake Geo-Spot GPS motor is fitted with built in voltage protection, current protection and overheating temperature control. The use of a circuit breaker is not required.

# SPECIFICATIONS

## WATERSNAKE GEO-SPOT 60" SHAFT MODEL

<b>MODEL</b>	<b>CODE: 55316 NAME: GEO-SPOT SW65/60 WHITE SALTWATER</b>
<b>VOLTAGE (V)</b>	12 VOLT
<b>MAX.THRUST (LB)</b>	65LB
<b>MAX. RPM (NO LOAD)</b>	1650rpm
<b>SPEEDS</b>	VARIABLE
<b>SHAFT LENGTH (IN)</b>	60" (152cm)
<b>SHAFT WALL</b>	4.25mm
<b>SHAFT DIAMETER</b>	1.2"(30mm)
<b>MIN AMP DRAW (AMPS)</b>	0A
<b>MAX AMP DRAW (AMPS)</b>	43A
<b>MAX POWER (WATTS)</b>	350W ( MOTOR OUTPUT )
<b>PROP</b>	3 BLADE-WEEDLESS ( PITCH 94mm )
<b>REMOTE CONTROL</b>	DIGITAL FOB
<b>FOOT CONTROL</b>	OPTIONAL
<b>MOUNTING</b>	BOW MOUNT XB BRACKET
<b>WIRE GAUGE</b>	10AWG
<b>REQUIRED BATTERY</b>	12V DEEP CYCLE OR LiFePO4 LITHIUM
<b>MIN. RECOMMENDED BATTERY SIZE</b>	100 AMP HOURS*
<b>SUGGESTED LOADED BOAT WEIGHT</b>	UP TO 750KG
<b>MOTOR WEIGHT</b>	15KG

### SCHEMATICS AND PARTS LISTS:

55316 SW65/60 white motor pages: 62-65

### OPTIONAL ACCESSORIES SOLD SEPARATELY:

- Nylon Quick-Release Bracket
- Alloy Quick-Release Bracket
- Quick-Release Puck Plate Kit
- Gen 3 Foot Control
- Nav Sensor
- Spare 3-Blade Propeller
- Spare Propeller Accessory Kit

See page 50 for details.

**\* NOTE** - this is to be used as a guide only. Check with your battery supplier to confirm required size of 12 volt deep cycle or LiFePO4 Lithium battery that will be appropriate for your situation. Your Watersnake Geo-Spot GPS motor is fitted with built in voltage protection, current protection and overheating temperature control. The use of a circuit breaker is not required.

# SPECIFICATIONS

## WATERSNAKE GEO-SPOT 66" SHAFT MODEL

<b>MODEL</b>	<b>CODE: 55314 NAME: GEO-SPOT SW65/66 WHITE SALTWATER</b>
<b>VOLTAGE (V)</b>	12 VOLT
<b>MAX.THRUST (LB)</b>	65LB
<b>MAX. RPM (NO LOAD)</b>	1650rpm
<b>SPEEDS</b>	VARIABLE
<b>SHAFT LENGTH (IN)</b>	66" (167cm)
<b>SHAFT WALL</b>	4.25mm
<b>SHAFT DIAMETER</b>	1.2"(30mm)
<b>MIN AMP DRAW (AMPS)</b>	0A
<b>MAX AMP DRAW (AMPS)</b>	43A
<b>MAX POWER (WATTS)</b>	350W ( MOTOR OUTPUT )
<b>PROP</b>	3 BLADE-WEEDLESS ( PITCH 94mm )
<b>REMOTE CONTROL</b>	DIGITAL FOB
<b>FOOT CONTROL</b>	OPTIONAL
<b>MOUNTING</b>	BOW MOUNT XB BRACKET
<b>WIRE GAUGE</b>	10AWG
<b>REQUIRED BATTERY</b>	12V DEEP CYCLE OR LiFePO4 LITHIUM
<b>MIN. RECOMMENDED BATTERY SIZE</b>	100 AMP HOURS*
<b>SUGGESTED LOADED BOAT WEIGHT</b>	UP TO 750KG
<b>MOTOR WEIGHT</b>	15KG

### SCHEMATICS AND PARTS LISTS:

55314 SW65/66 white motor pages: 66-69

### OPTIONAL ACCESSORIES SOLD SEPARATELY:

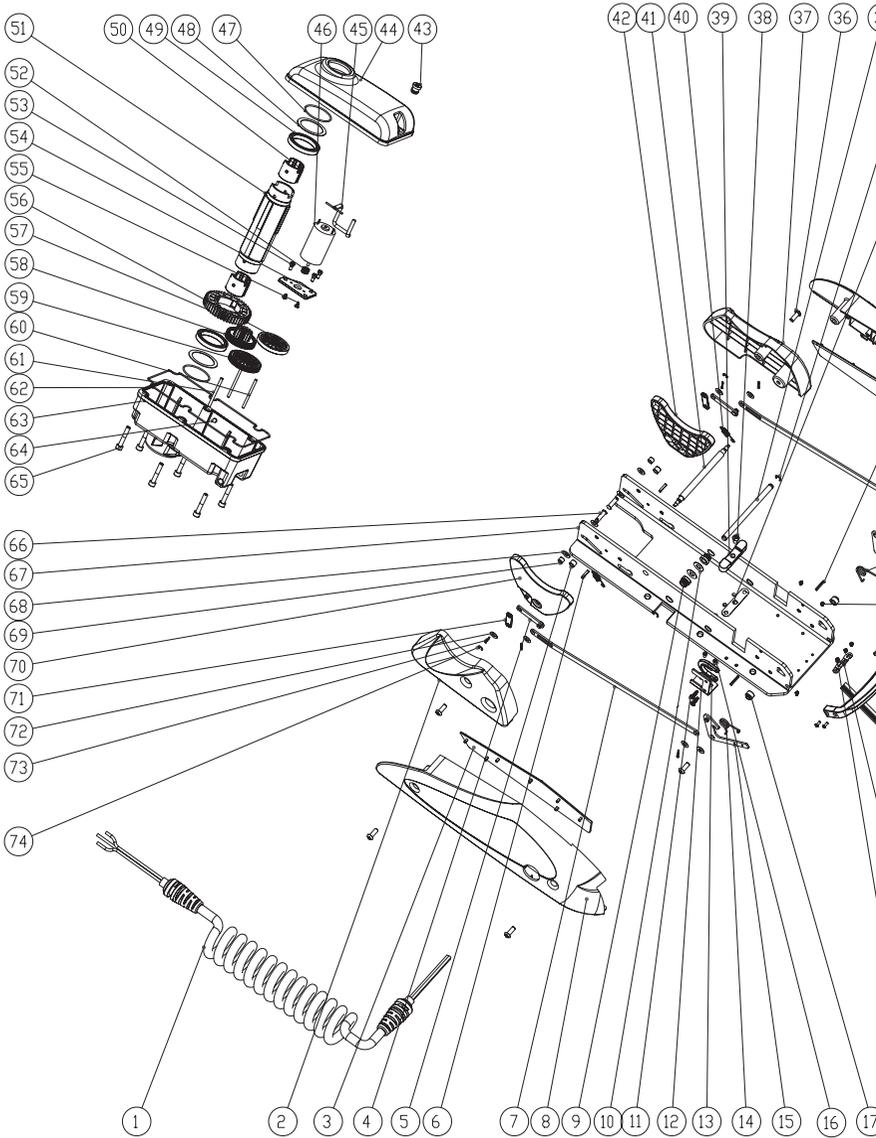
- Nylon Quick-Release Bracket
- Alloy Quick-Release Bracket
- Quick-Release Puck Plate Kit
- Gen 3 Foot Control
- Nav Sensor
- Spare 3-Blade Propeller
- Spare Propeller Accessory Kit

See page 50 for details.

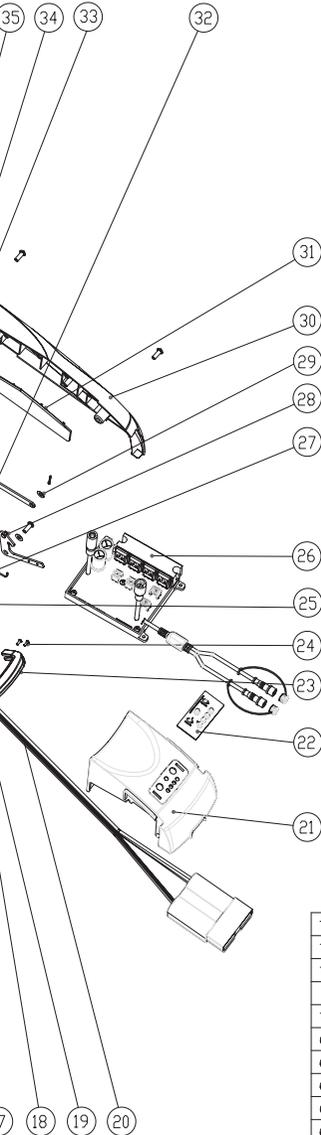
**\* NOTE** - this is to be used as a guide only. Check with your battery supplier to confirm required size of 12 volt deep cycle or LiFePO4 Lithium battery that will be appropriate for your situation. Your Watersnake Geo-Spot GPS motor is fitted with built in voltage protection, current protection and overheating temperature control. The use of a circuit breaker is not required.

# SCHEMATICS AND PARTS LIST

## 55313 GEO-SPOT 65/54 WHITE SCHEMATIC 1 OF 2



**TO ORDER  
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GEO-SPOT PARTS, VISIT:  
www.anglerscentral.com.au**



**PART NO.**

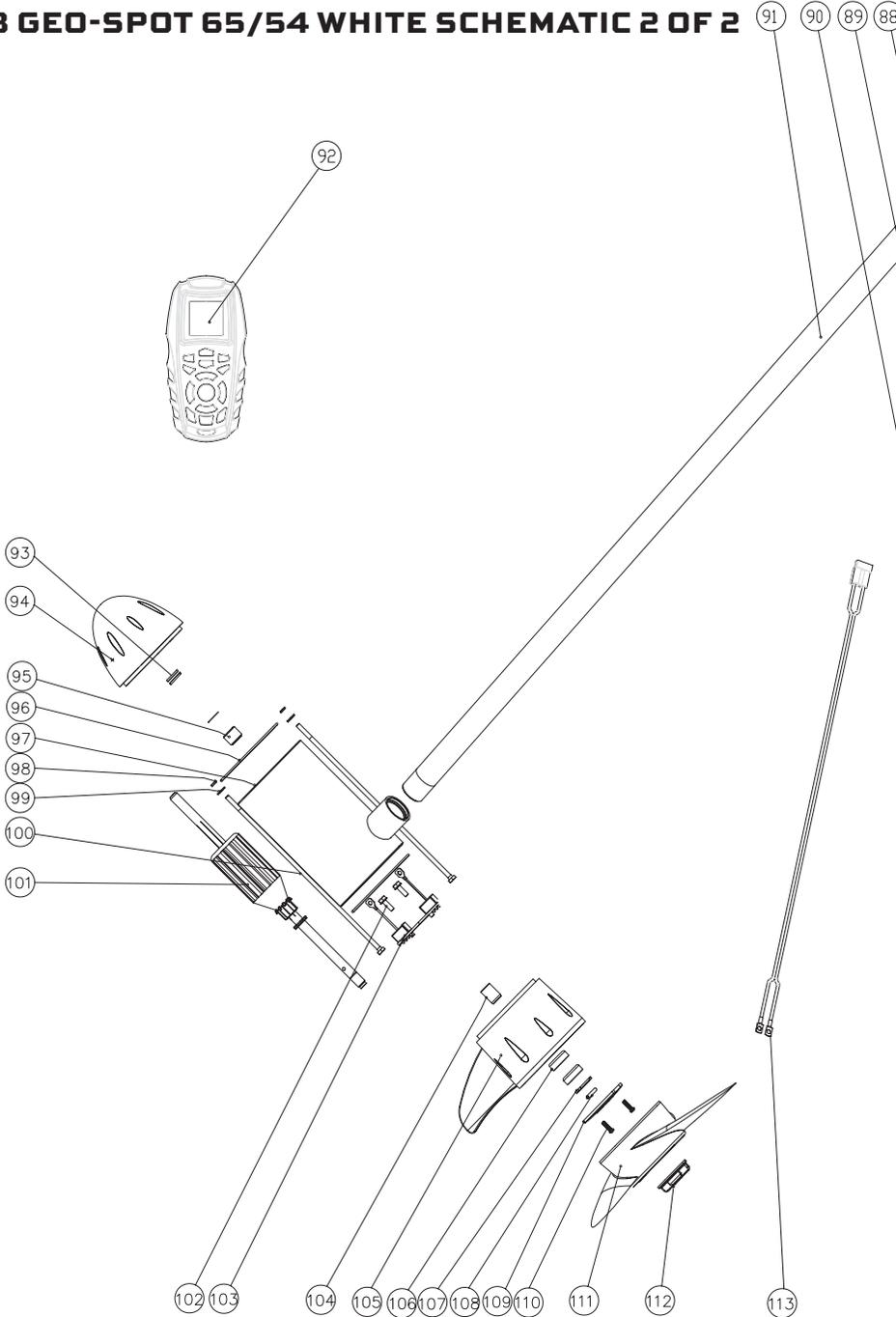
60	HP8.264.412.45	pin	2
59	HP8.415.191.00	gear	1
58	HP8.415.192.00	gear	1
57	HP8.415.193.00	gear	1
56	HP6.371.016.00	gear	1
55	HP8.902.025.00	bolt	2
54	HP8.610.119.24	locking plate	1
53	HP8.904.072.45	bolt	3
52	HP8.415.190.00	small gear	1
51	HP8.210.449.27	bushing	1
50	HP8.210.450.00	bushing	2
49	HP6.263.067.02	bearing 40X52X7	2
48	HP8.940.746.00	wear-resisting piece	2
47	HP8.662.082.00	sealing ring	2
46	HP7.274.005.00	motor	1
45	HP6.647.201.000	two core wire assy	1
44	HP8.010.062.158	top cover of turning box	1
43	HP8.210.332.00	wire protecting sleeve	1
42	HP6.154.013.00	left portable plate assy	1
41	HP8.306.071.00	axis	1
40	HP8.381.033.00	tension spring	2
39	HP8.683.041.00	elastic spacer	1
38	HP8.902.384.45	bolt	1
37	HP8.634.074.70	front left side cover	1
36	HP8.902.196.00	bolt	8
35	HP8.303.025.45	rotation axis	1
34	HP8.245.079.00	C-retaining ring	2
33	HP8.941.178.00	gasket	1
32	HP8.264.162.00	split pin	2
31	HP8.634.083.70	left plate	1
30	HP8.634.114.8000	left side plate	1
29	HP6.154.008.00	left crank assy	1
28	HP8.940.081.00	washer	2
27	HP8.383.128.00	right-handed torsion spring	1
26	HP6.702.091.000	drive controller	1
25	HP8.902.024.00	screw	3
24	HP8.902.201.45	bolt M3X8	4
23	HP8.335.001.00	footplate	1
22	HP6.672.113.000	display assy	1
21	HP8.010.105.070	front cover	1
20	HP6.647.252.000	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	HP8.902.256.00	screw	2
15	HP6.154.009.00	right crank assy	1

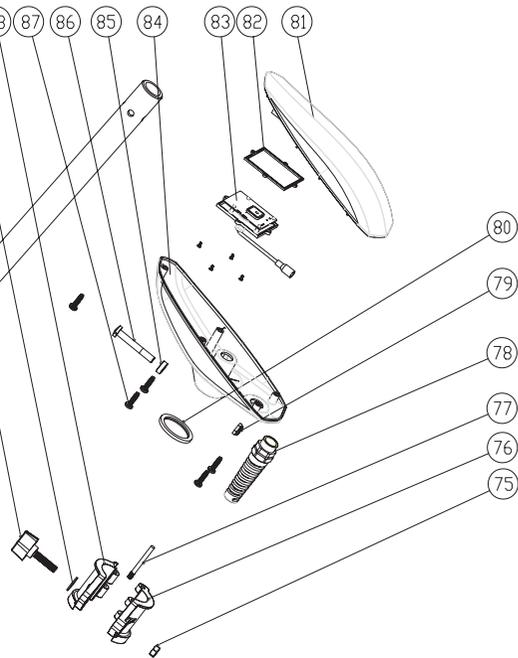
**PART NO.**

74	HP8.245.078.00	C-retaining ring	4	14	HP8.383.127.00	left-handed torsion spring	1
73	HP8.264.569.00	split pin	6	13	HP8.667.036.70	fixation clamp	1
72	HP8.940.056.00	run gear washer	2	12	HP8.611.133.00	fixed mount	1
71	HP8.350.002.45	push rod	2	11	HP8.903.059.00	screw	2
70	HP6.154.014.00	right portable plate assy	1	10	HP8.940.375.00	gear axis washer	2
69	HP8.220.396.00	bushing	2	9	HP8.210.484.00	nesting	2
68	HP8.940.091.00	rocker arm sleeve washer	6	8	HP8.634.115.8000	right side plate	1
67	HP8.601.075.27	bottom plate	1	7	HP8.350.013.45	drag link	2
66	HP8.264.417.00	secondary pin	2	6	HP8.264.160.00	split pin	2
65	HP8.902.207.00	bolt	6	5	HP8.220.292.00	locating sleeve	2
64	HP8.530.046.06	alnico	1	4	HP6.201.027.00	secondary lever assy	2
63	HP8.010.063.158	bottom cover of turning box	1	3	HP8.634.084.70	right plate	1
62	HP8.683.098.00	sealing ring	1	2	HP8.634.075.70	front right side cover	1
61	HP8.264.413.45	pin	1	1	HP6.647.204.000	wire assy	1
No.	DRAWING No.	PART NAME	Q'TY	No.	DRAWING No.	PART NAME	Q'TY

# SCHEMATICS AND PARTS LIST

55313 GEO-SPOT 65/54 WHITE SCHEMATIC 2 OF 2





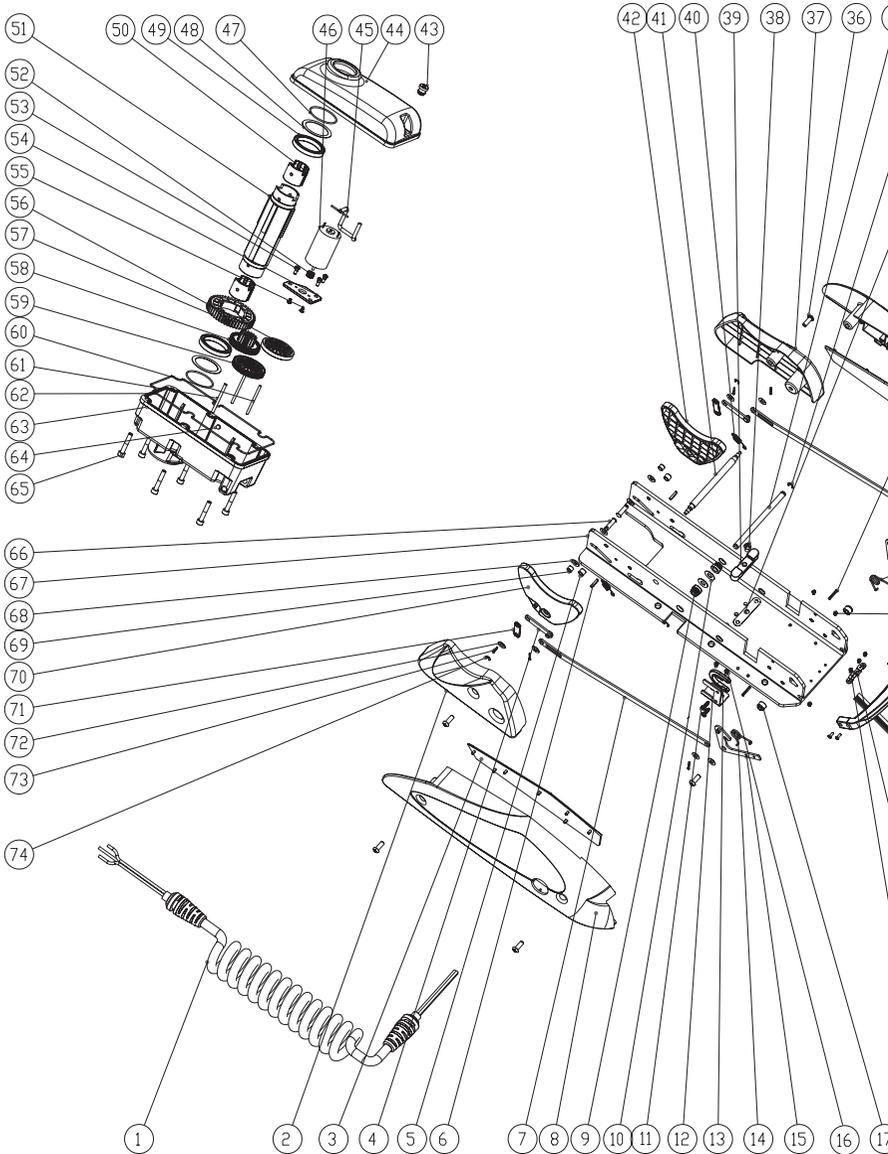
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[www.anglerscentral.com.au](http://www.anglerscentral.com.au)**

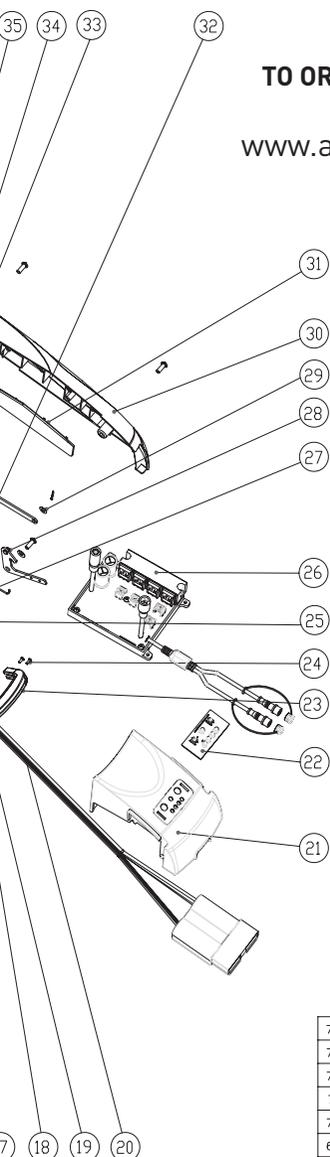
**PART NO.**

113	HP6.647.172.00	main battery cable	1
112	HP6.482.001.00	prop nut	1
111	HP6.393.001.8000	prop	1
110	HP8.903.187.000	screw	2
109	HP7.690.001.00	sacrificial anode	1
108	HP8.264.157.00	pin	1
107	HP8.683.049.45	retainer ring	1
106	HP6.475.000.00	sealing ring	2
105	HP8.010.070.158	front cover	1
104	HP8.251.000.00	oil bearing	1
103	HP6.670.095.000	brush frame assy	1
102	HP8.903.060.07	bolt	2
101	HP6.656.022.00	rotor assy	1
100	HP8.926.018.00	connecting screw rod	2
99	HP8.610.049.00	hexagonal washer	2
98	HP8.662.015.00	mini O-sealing ring	2
97	HP6.652.015.02	stator assy	1
96	HP8.662.016.00	o-sealing ring	2
95	HP8.251.001.00	oil bearing	1
94	HP8.010.071.158	back cover	1
93	HP6.260.000.00	thrust bearing	1
92	HP6.789.006.003	remote controller	1
91	HP6.657.142.999	shaft	1
90	HP6.480.014.00	bolt	1
89	HP8.940.313.00	washer	1
88	HP8.242.153.00	right body of depth adjustment collar	1
87	HP8.903.059.00	screw	5
86	HP8.926.045.00	bolt	1
85	HP8.220.378.70	bushing	1
84	HP8.076.337.8000	bottom cover	1
83	HP6.702.092.000	GPS controller	1
82	HP8.683.137.000	sealing ring	1
81	HP8.076.336.8000	top cover	1
80	HP8.662.083.00	sealing ring	1
79	HP6.482.000.00	lock nut	1
78	HP8.354.019.000	cable fixing head	1
77	HP8.264.468.00	pin	1
76	HP8.242.152.00	left body of depth adjustment collar	1
75	HP8.379.073.00	nut	1
No.	DRAWING NO.	PART NAME	QTY

# SCHEMATICS AND PARTS LIST

## 55315 GEO-SPOT 65/54 BLACK SCHEMATIC 1 OF 2





**TO ORDER YOUR WATERSNAKE  
GEO-SPOT PARTS, VISIT:  
[www.anglerscentral.com.au](http://www.anglerscentral.com.au)**

**PART NO.**

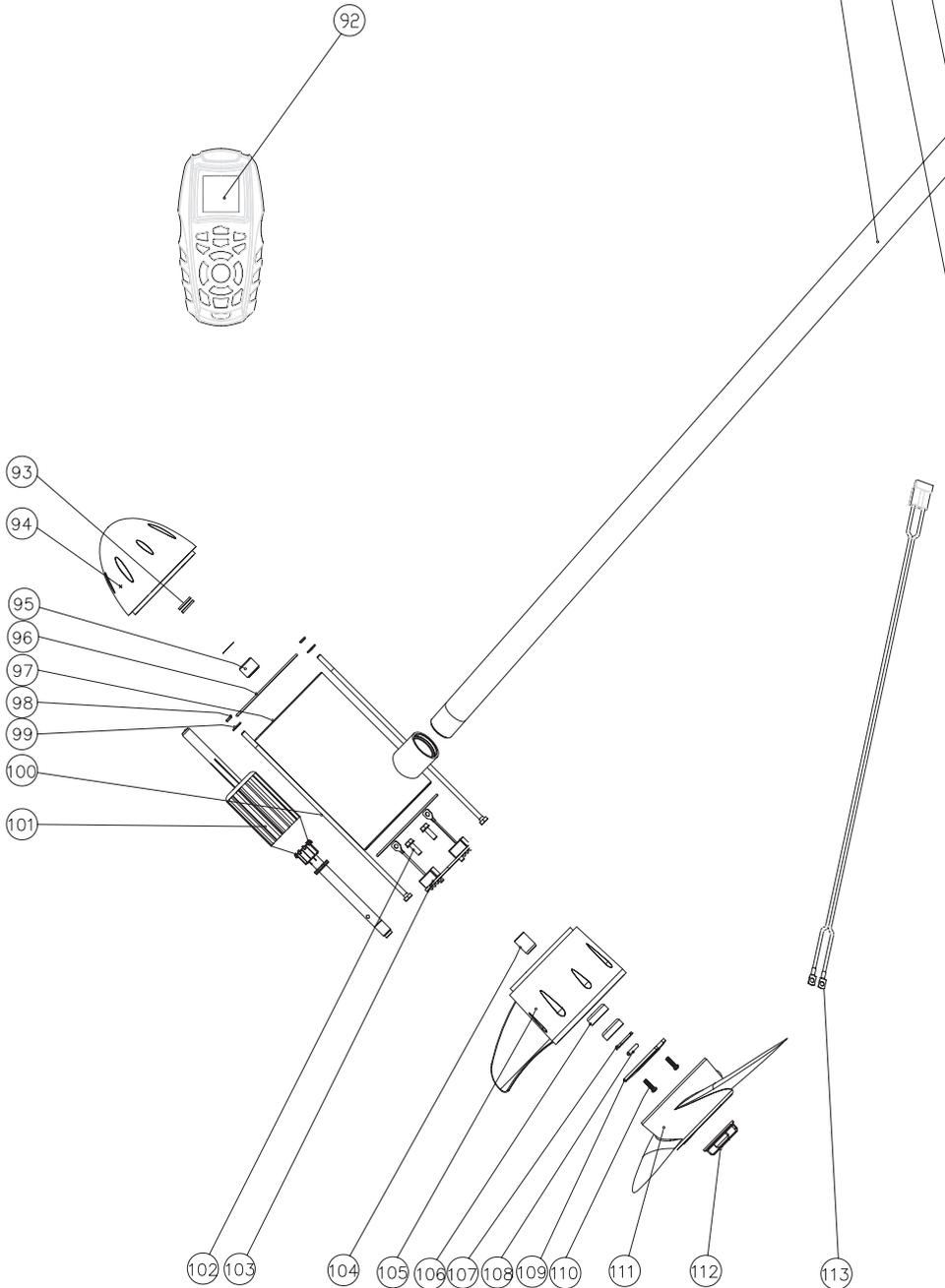
60	HP8.264.412.45	pin	2
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58	HP8.415.192.00	gear	1
57	HP8.415.193.00	gear	1
56	HP6.371.016.00	gear	1
55	HP8.902.025.00	bolt	2
54	HP8.610.119.24	locking plate	1
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52	HP8.415.190.00	small gear	1
51	HP8.210.449.27	bushing	1
50	HP8.210.450.00	bushing	2
49	HP6.263.067.02	bearing 40X52X7	2
48	HP8.940.746.00	wear-resisting piece	2
47	HP8.662.082.00	sealing ring	2
46	HP7.274.005.00	motor	1
45	HP6.647.201.000	two core wire assy	1
44	HP8.010.062.015	top cover of turning box	1
43	HP8.210.332.00	wire protecting sleeve	1
42	HP6.154.013.00	left portable plate assy	1
41	HP8.306.071.00	axis	1
40	HP8.381.033.00	tension spring	2
39	HP8.683.041.00	elastic spacer	1
38	HP8.902.384.45	bolt	1
37	HP8.634.074.000	front left side cover	1
36	HP8.902.196.00	bolt	8
35	HP8.303.025.45	rotation axis	1
34	HP8.245.079.00	C-retaining ring	2
33	HP8.941.178.00	gasket	1
32	HP8.264.162.00	split pin	2
31	HP8.634.083.00	left plate	1
30	HP8.634.114.8001	left side plate	1
29	HP6.154.008.00	left crank assy	1
28	HP8.940.081.00	washer	2
27	HP8.383.128.00	right-handed torsion spring	1
26	HP6.702.091.000	drive controller	1
25	HP8.902.024.00	screw	3
24	HP8.902.201.45	bolt M3X8	4
23	HP8.335.001.00	footplate	1
22	HP6.672.113.000	display assy	1
21	HP8.010.105.8001	front cover	1
20	HP6.647.252.000	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	HP8.902.256.00	screw	2
15	HP6.154.009.00	right crank assy	1

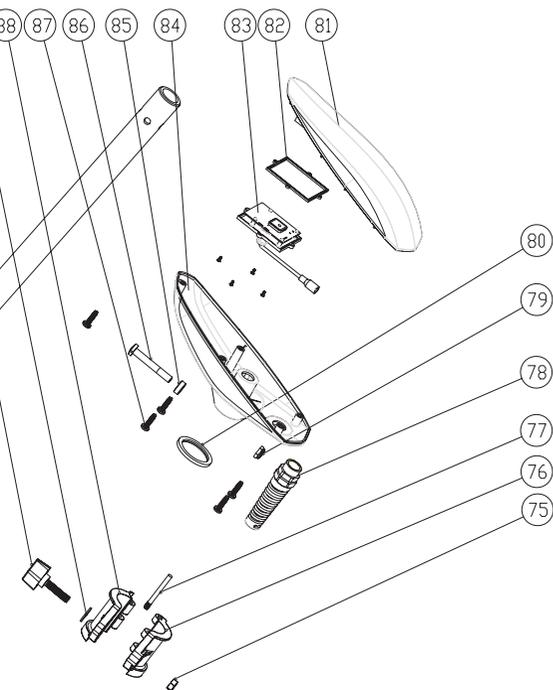
**PART NO.**

74	HP8.245.078.00	C-retaining ring	4	14	HP8.383.127.00	left-handed torsion spring	1
73	HP8.264.569.00	split pin	6	13	HP8.667.036.70	fixation clamp	1
72	HP8.940.056.00	run gear washer	2	12	HP8.611.133.00	fixed mount	1
71	HP8.350.002.45	push rod	2	11	HP8.903.059.00	screw	2
70	HP6.154.014.00	right portable plate assy	1	10	HP8.940.375.00	gear axis washer	2
69	HP8.220.396.00	bushing	2	9	HP8.210.484.00	nesting	2
68	HP8.940.091.00	rocker arm sleeve washer	6	8	HP8.634.115.8001	right side plate	1
67	HP8.601.075.27	bottom plate	1	7	HP8.350.013.45	drag link	2
66	HP8.264.417.00	secondary pin	2	6	HP8.264.160.00	split pin	2
65	HP8.902.207.00	bolt	6	5	HP8.220.292.00	locating sleeve	2
64	HP8.530.046.06	alnico	1	4	HP6.201.027.00	secondary lever assy	2
63	HP8.010.063.015	bottom cover of turning box	1	3	HP8.634.084.00	right plate	1
62	HP8.683.098.00	sealing ring	1	2	HP8.634.075.000	front right side cover	1
61	HP8.264.413.45	pin	1	1	HP6.647.204.000	wire assy	1
No.	DRAWING No.	PART NAME	Q'TY	No.	DRAWING No.	PART NAME	Q'TY

# SCHEMATICS AND PARTS LIST

## 55315 GEO-SPOT 65/54 BLACK SCHEMATIC 2 OF 2





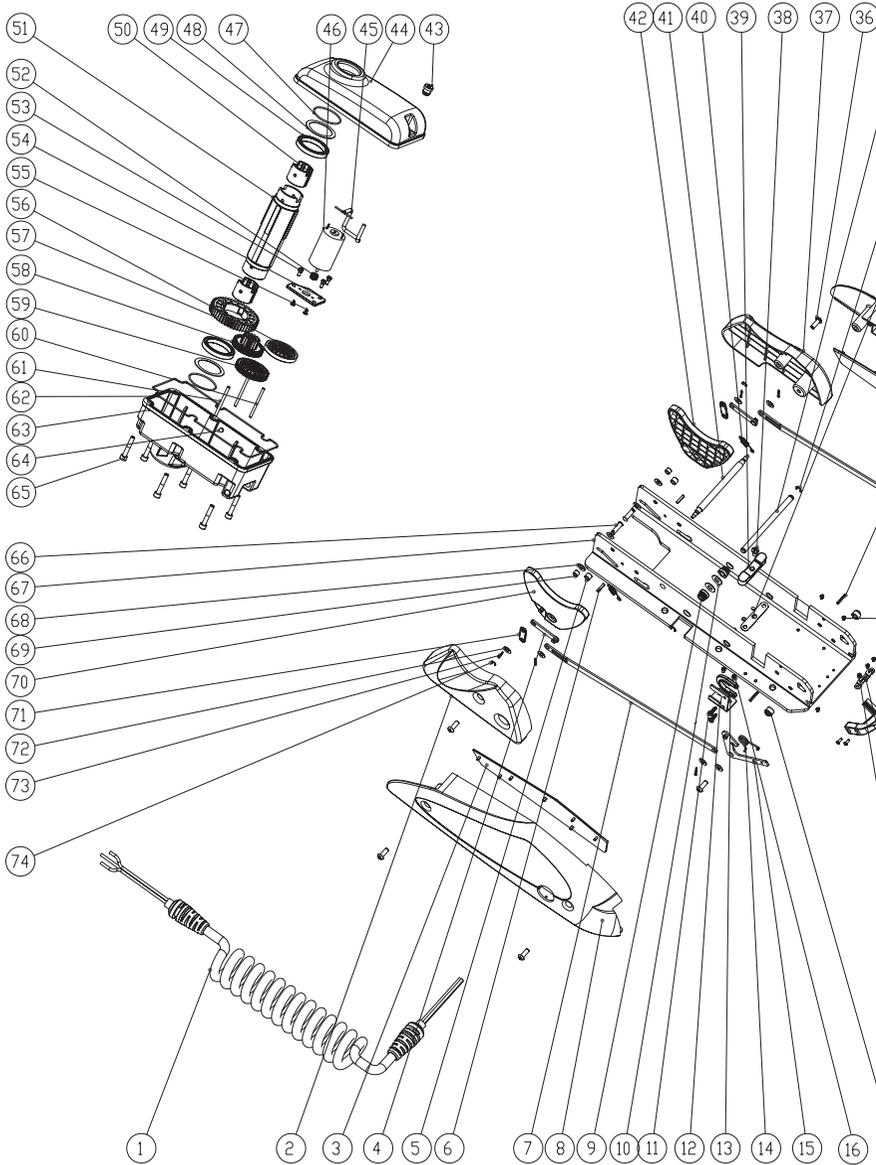
**TO ORDER YOUR WATERSNAKE  
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[www.anglerscentral.com.au](http://www.anglerscentral.com.au)**

**PART NO.**

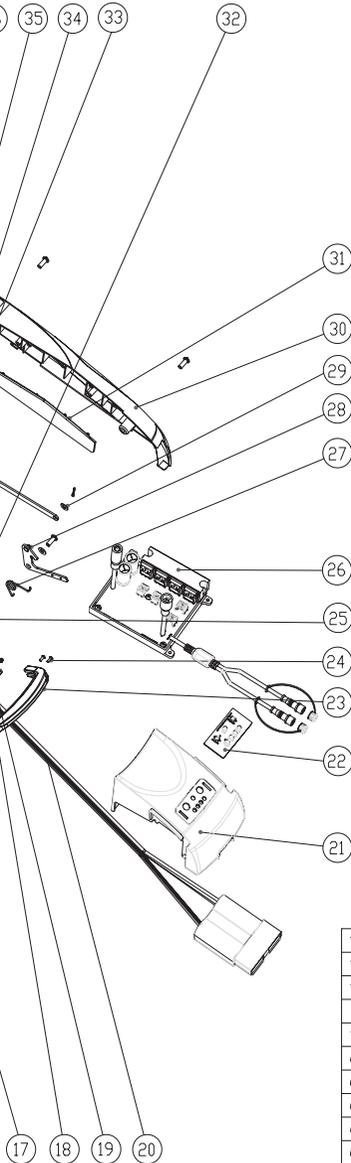
113	HP6.647.172.00	main battery cable	1
112	HP6.482.001.00	prop nut	1
111	HP6.393.001.8000	prop	1
110	HP8.903.187.000	screw	2
109	HP7.690.001.00	sacrificial anode	1
108	HP8.264.157.00	pin	1
107	HP8.683.049.45	retainer ring	1
106	HP6.475.000.00	sealing ring	2
105	HP8.010.070.015	front cover	1
104	HP8.251.000.00	oil bearing	1
103	HP6.670.095.000	brush frame assy	1
102	HP8.903.060.07	bolt	2
101	HP6.656.022.00	rotor assy	1
100	HP8.926.018.00	connecting screw rod	2
99	HP8.610.049.00	hexagonal washer	2
98	HP8.662.015.00	mini O-sealing ring	2
97	HP6.652.015.00	stator assy	1
96	HP8.662.016.00	o-sealing ring	2
95	HP8.251.001.00	oil bearing	1
94	HP8.010.071.015	back cover	1
93	HP6.260.000.00	thrust bearing	1
92	HP6.789.006.003	remote controller	1
91	HP6.657.144.999	shaft	1
90	HP6.480.014.00	bolt	1
89	HP8.940.313.00	washer	1
88	HP8.242.153.00	right body of depth adjustment collar	1
87	HP8.903.059.00	screw	5
86	HP8.926.045.00	bolt	1
85	HP8.220.378.70	bushing	1
84	HP8.076.337.8001	bottom cover	1
83	HP6.702.092.000	GPS controller	1
82	HP8.683.137.000	sealing ring	1
81	HP8.076.336.8001	top cover	1
80	HP8.662.083.00	sealing ring	1
79	HP6.482.000.00	lock nut	1
78	HP8.354.019.000	cable fixing head	1
77	HP8.264.468.00	pin	1
76	HP8.242.152.00	left body of depth adjustment collar	1
75	HP8.379.073.00	nut	1
No.	DRAWING NO.	PART NAME	QTY

# SCHEMATICS AND PARTS LIST

## 55316 GEO-SPOT 65/60 SCHEMATIC 1 OF 2



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**PART NO.**

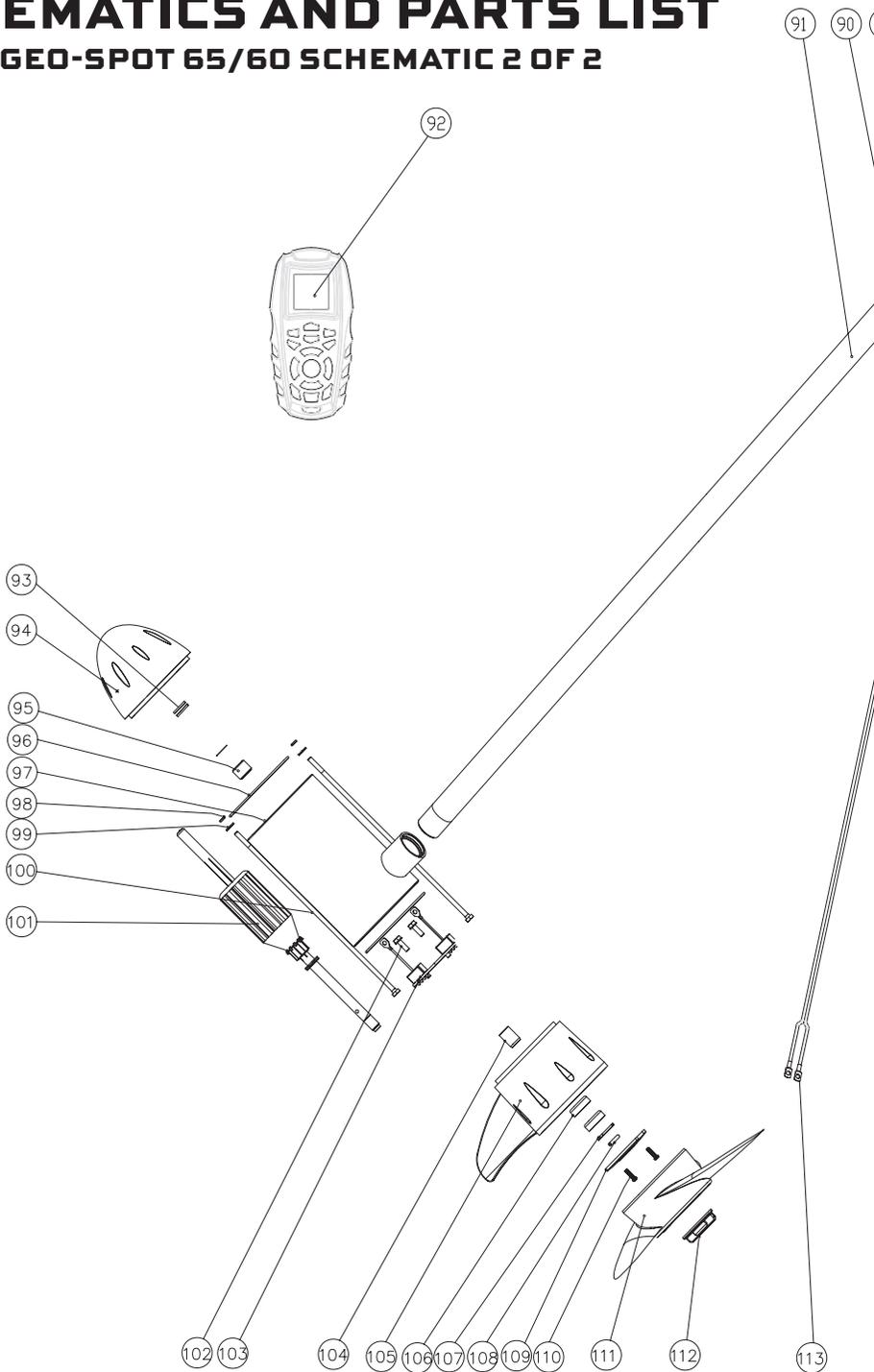
60	HP8.264.412.45	pin	2
59	HP8.415.191.00	gear	1
58	HP8.415.192.00	gear	1
57	HP8.415.193.00	gear	1
56	HP6.371.016.00	gear	1
55	HP8.902.025.00	bolt	2
54	HP8.610.119.24	locking plate	1
53	HP8.904.072.45	bolt	3
52	HP8.415.190.00	small gear	1
51	HP8.210.449.27	bushing	1
50	HP8.210.450.00	bushing	2
49	HP6.263.067.02	bearing 40X52X7	2
48	HP8.940.746.00	wear-resisting piece	2
47	HP8.662.082.00	sealing ring	2
46	HP7.274.005.00	motor	1
45	HP6.647.201.000	two core wire assy	1
44	HP8.010.062.158	top cover of turning box	1
43	HP8.210.332.00	wire protecting sleeve	1
42	HP6.154.013.00	left portable plate assy	1
41	HP8.306.071.00	axis	1
40	HP8.381.033.00	tension spring	2
39	HP8.683.041.00	elastic spacer	1
38	HP8.902.384.45	bolt	1
37	HP8.634.074.70	front left side cover	1
36	HP8.902.196.00	bolt	8
35	HP8.303.025.45	rotation axis	1
34	HP8.245.079.00	C-retaining ring	2
33	HP8.941.178.00	gasket	1
32	HP8.264.162.00	split pin	2
31	HP8.634.083.70	left plate	1
30	HP8.634.114.8000	left side plate	1
29	HP6.154.008.00	left crank assy	1
28	HP8.940.081.00	washer	2
27	HP8.383.128.00	right-handed torsion spring	1
26	HP6.702.091.000	drive controller	1
25	HP8.902.024.00	screw	3
24	HP8.902.201.45	bolt M3X8	4
23	HP8.335.001.00	footplate	1
22	HP6.672.113.000	display assy	1
21	HP8.010.105.8000	front cover	1
20	HP6.647.252.000	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	HP8.902.256.00	screw	2
15	HP6.154.009.00	right crank assy	1
14	HP8.383.127.00	left-handed torsion spring	1
13	HP8.667.036.70	fixation clamp	1
12	HP8.611.133.00	fixed mount	1
11	HP8.903.059.00	screw	2
10	HP8.940.375.00	gear axis washer	2
9	HP8.210.484.00	nesting	2
8	HP8.634.115.8000	right side plate	1
7	HP8.350.013.45	drag link	2
6	HP8.264.160.00	split pin	2
5	HP8.220.292.00	locating sleeve	2
4	HP6.201.027.00	secondary lever assy	2
3	HP8.634.084.70	right plate	1
2	HP8.634.075.70	front right side cover	1
1	HP6.647.204.000	wire assy	1

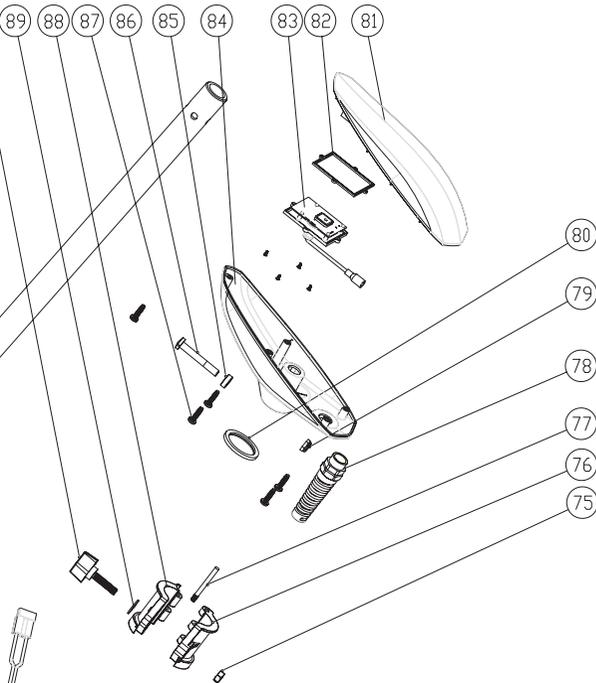
**PART NO.**

74	HP8.245.078.00	C-retaining ring	4				
73	HP8.264.569.00	split pin	6				
72	HP8.940.056.00	run gear washer	2				
71	HP8.350.002.45	push rod	2				
70	HP6.154.014.00	right portable plate assy	1				
69	HP8.220.396.00	bushing	2				
68	HP8.940.091.00	rocker arm sleeve washer	6				
67	HP8.601.075.27	bottom plate	1				
66	HP8.264.417.00	secondary pin	2				
65	HP8.902.207.00	bolt	6				
64	HP8.530.046.06	alnico	1				
63	HP8.010.063.158	bottom cover of turning box	1				
62	HP8.683.098.00	sealing ring	1				
61	HP8.264.413.45	pin	1				
14	HP8.383.127.00	left-handed torsion spring	1				
13	HP8.667.036.70	fixation clamp	1				
12	HP8.611.133.00	fixed mount	1				
11	HP8.903.059.00	screw	2				
10	HP8.940.375.00	gear axis washer	2				
9	HP8.210.484.00	nesting	2				
8	HP8.634.115.8000	right side plate	1				
7	HP8.350.013.45	drag link	2				
6	HP8.264.160.00	split pin	2				
5	HP8.220.292.00	locating sleeve	2				
4	HP6.201.027.00	secondary lever assy	2				
3	HP8.634.084.70	right plate	1				
2	HP8.634.075.70	front right side cover	1				
1	HP6.647.204.000	wire assy	1				
No.	DRAWING No.	PART NAME	Q'TY	No.	DRAWING No.	PART NAME	Q'TY

# SCHEMATICS AND PARTS LIST

## 55316 GEO-SPOT 65/60 SCHEMATIC 2 OF 2





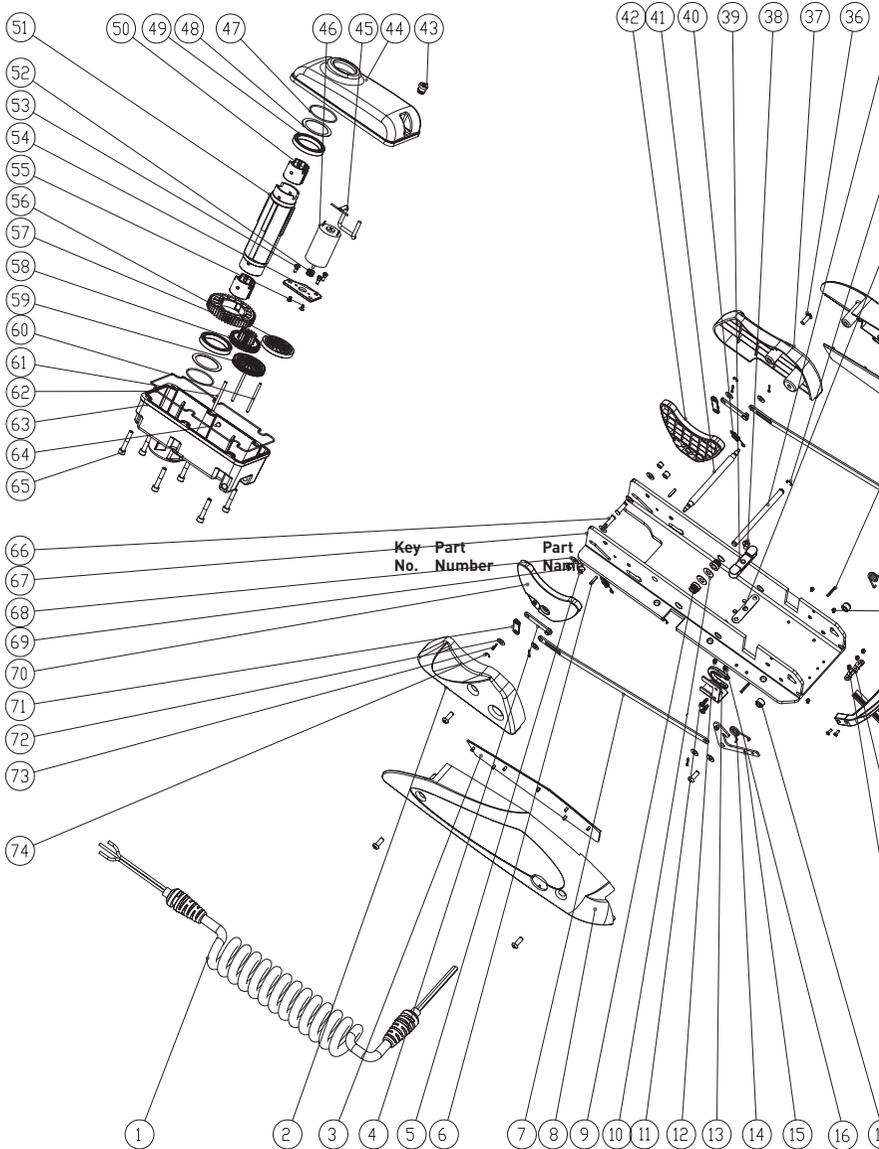
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[www.anglerscentral.com.au](http://www.anglerscentral.com.au)**

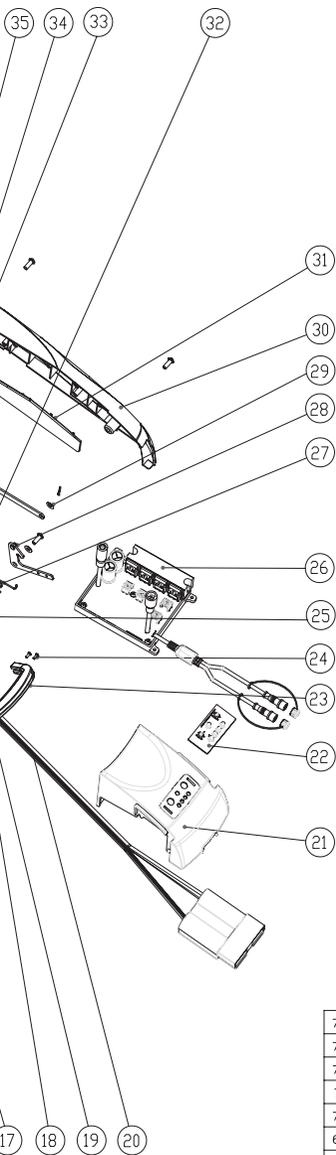
**PART NO.**

113	HP6.647.172.00	main battery cable	1
112	HP6.482.001.00	prop nut	1
111	HP6.393.001.8000	prop	1
110	HP8.903.187.000	screw	2
109	HP7.690.001.00	sacrificial anode	1
108	HP8.264.157.00	pin	1
107	HP8.683.049.45	retainer ring	1
106	HP6.475.000.00	sealing ring	2
105	HP8.010.070.158	front cover	1
104	HP8.251.000.00	oil bearing	1
103	HP6.670.106.000	brush frame assy	1
102	HP8.903.060.07	bolt	2
101	HP6.656.022.00	rotor assy	1
100	HP8.926.018.00	connecting screw rod	2
99	HP8.610.049.00	hexagonal washer	2
98	HP8.662.015.00	mini O-sealing ring	2
97	HP6.652.015.02	stator assy	1
96	HP8.662.016.00	o-sealing ring	2
95	HP8.251.001.00	oil bearing	1
94	HP8.010.071.158	back cover	1
93	HP6.260.000.00	thrust bearing	1
92	HP6.789.006.003	remote controller	1
91	HP6.657.145.999	shaft	1
90	HP6.480.014.00	bolt	1
89	HP8.940.313.00	washer	1
88	HP8.242.153.00	right body of depth adjustment collar	1
87	HP8.903.059.00	screw	5
86	HP8.926.045.00	bolt	1
85	HP8.220.378.70	bushing	1
84	HP8.076.337.8000	bottom cover	1
83	HP6.702.092.000	GPS controller	1
82	HP6.683.137.000	sealing ring	1
81	HP8.076.336.8000	top cover	1
80	HP8.662.083.00	sealing ring	1
79	HP6.482.000.00	lock nut	1
78	HP8.354.019.000	cable fixing head	1
77	HP8.264.468.00	pin	1
76	HP8.242.152.00	left body of depth adjustment collar	1
75	HP8.379.073.00	nut	1
No.	DRAWING NO.	PART NAME	QTY

# SCHEMATICS AND PARTS LIST

## 55314 GEO-SPOT 65/66 SCHEMATIC 1 OF 2





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**PART NO.**

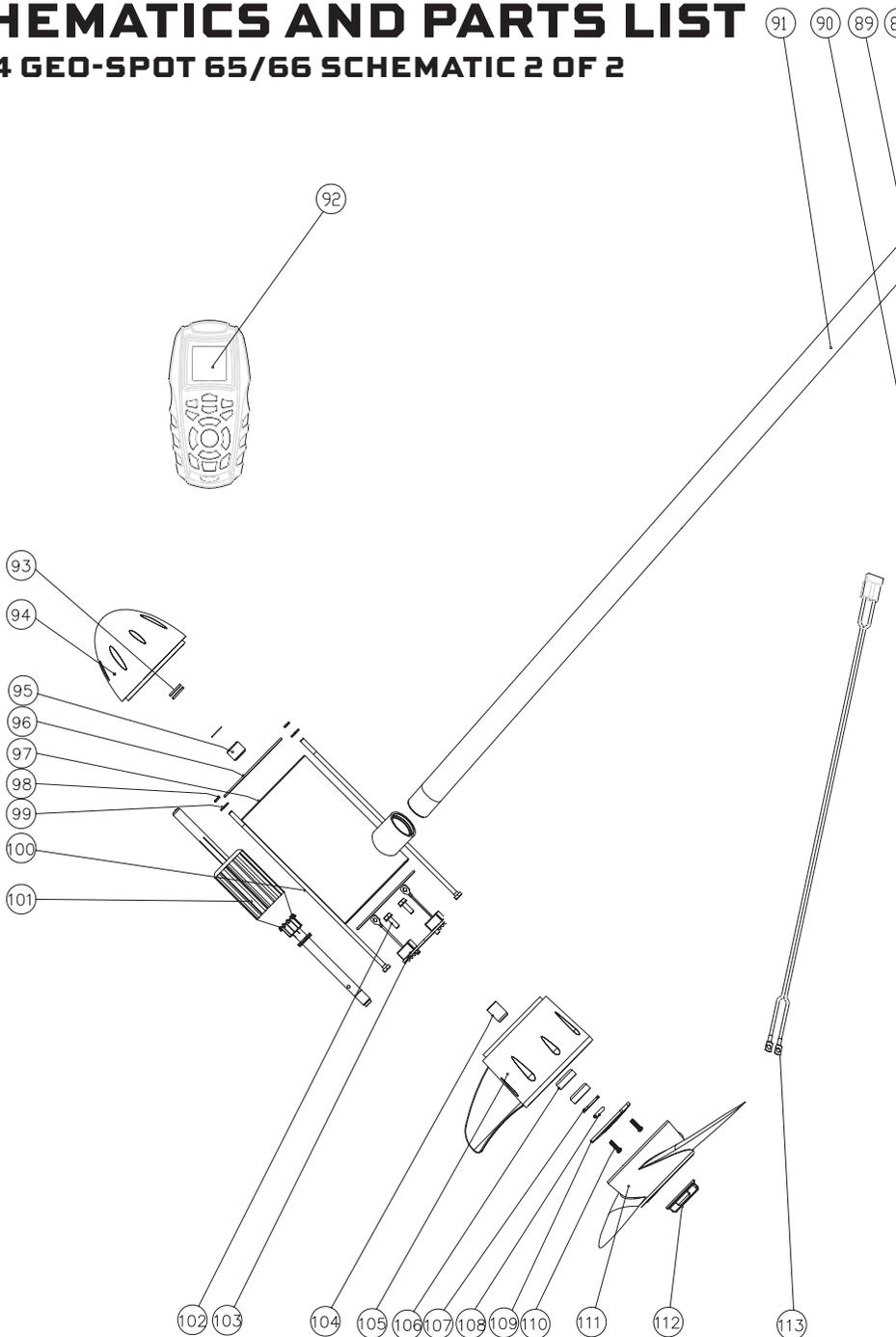
60	HP8.264.412.45	pin	2
59	HP8.415.191.00	gear	1
58	HP8.415.192.00	gear	1
57	HP8.415.193.00	gear	1
56	HP6.371.016.00	gear	1
55	HP8.902.025.00	bolt	2
54	HP8.610.119.24	locking plate	1
53	HP8.904.072.45	bolt	3
52	HP8.415.190.00	small gear	1
51	HP8.210.449.27	bushing	1
50	HP8.210.450.00	bushing	2
49	HP6.263.067.02	bearing 40X52X7	2
48	HP8.940.746.00	wear-resisting piece	2
47	HP8.662.082.00	sealing ring	2
46	HP7.274.005.00	motor	1
45	HP6.647.201.000	two core wire assy	1
44	HP8.010.062.158	top cover of turning box	1
43	HP8.210.332.00	wire protecting sleeve	1
42	HP6.154.013.00	left portable plate assy	1
41	HP8.306.071.00	axix	1
40	HP8.381.033.00	tension spring	2
39	HP8.683.041.00	elastic spacer	1
38	HP8.902.384.45	bolt	1
37	HP8.634.074.70	front left side cover	1
36	HP8.902.196.00	bolt	8
35	HP8.303.025.45	rotation axis	1
34	HP8.245.079.00	C-retaining ring	2
33	HP8.941.178.00	gasket	1
32	HP8.264.162.00	split pin	2
31	HP8.634.083.70	left plate	1
30	HP8.634.114.8000	left side plate	1
29	HP6.154.008.00	left crank assy	1
28	HP8.940.081.00	washer	2
27	HP8.383.128.00	right-handed torsion spring	1
26	HP6.702.091.000	drive controller	1
25	HP8.902.024.00	screw	3
24	HP8.902.201.45	bolt M3X8	4
23	HP8.335.001.00	footplate	1
22	HP6.672.113.000	display assy	1
21	HP8.010.105.8002	front cover	1
20	HP6.647.252.000	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	HP8.902.256.00	screw	2
15	HP6.154.009.00	right crank assy	1

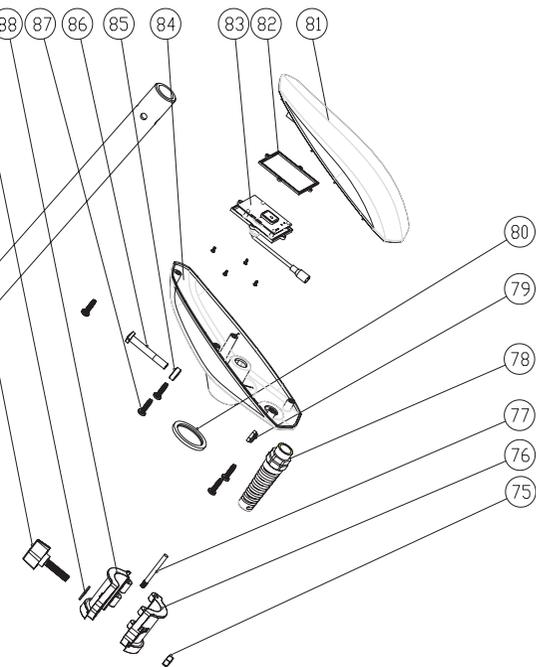
**PART NO.**

74	HP8.245.078.00	C-retaining ring	4	14	HP8.383.127.00	left-handed torsion spring	1
73	HP8.264.569.00	split pin	6	13	HP8.667.036.70	fixation clamp	1
72	HP8.940.056.00	run gear washer	2	12	HP8.611.133.00	fixed mount	1
71	HP8.350.002.45	push rod	2	11	HP8.903.059.00	screw	2
70	HP6.154.014.00	right portable plate assy	1	10	HP8.940.375.00	gear axis washer	2
69	HP8.220.396.00	bushing	2	9	HP8.210.484.00	nesting	2
68	HP8.940.091.00	rocker arm sleeve washer	6	8	HP8.634.115.8000	right side plate	1
67	HP8.601.075.27	bottom plate	1	7	HP8.350.013.45	drag link	2
66	HP8.264.417.00	secondary pin	2	6	HP8.264.160.00	split pin	2
65	HP8.902.207.00	bolt	6	5	HP8.220.292.00	locating sleeve	2
64	HP8.530.046.06	alnico	1	4	HP6.201.027.00	secondary lever assy	2
63	HP8.010.063.158	bottom cover of turning box	1	3	HP8.634.084.70	right plate	1
62	HP8.683.098.00	sealing ring	1	2	HP8.634.075.70	front right side cover	1
61	HP8.264.413.45	pin	1	1	HP6.647.204.000	wire assy	1
No.	DRAWING No.	PART NAME	Q'TY	No.	DRAWING No.	PART NAME	Q'TY

# SCHEMATICS AND PARTS LIST

## 55314 GEO-SPOT 65/66 SCHEMATIC 2 OF 2





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**PART NO.**

113	HP6.647.172.00	main battery cable	1
112	HP6.482.001.00	prop nut	1
111	HP6.393.001.8000	prop	1
110	HP8.903.187.000	screw	2
109	HP7.690.001.00	sacrificial anode	1
108	HP8.264.157.00	pin	1
107	HP8.683.049.45	retainer ring	1
106	HP6.475.000.00	sealing ring	2
105	HP8.010.070.158	front cover	1
104	HP8.251.000.00	oil bearing	1
103	HP6.670.107.000	brush frame assy	1
102	HP8.903.060.07	bolt	2
101	HP6.656.022.00	rotor assy	1
100	HP8.926.018.00	connecting screw rod	2
99	HP8.610.049.00	hexagonal washer	2
98	HP8.662.015.00	mini O-sealing ring	2
97	HP6.652.015.02	stator assy	1
96	HP8.662.016.00	o-sealing ring	2
95	HP8.251.001.00	oil bearing	1
94	HP8.010.071.158	back cover	1
93	HP6.260.000.00	thrust bearing	1
92	HP6.789.006.003	remote controller	1
91	HP6.657.146.999	shaft	1
90	HP6.480.014.00	bolt	1
89	HP8.940.313.00	washer	1
88	HP8.242.153.00	right body of depth adjustment collar	1
87	HP8.903.059.00	screw	5
86	HP8.926.045.00	bolt	1
85	HP8.220.378.70	bushing	1
84	HP8.076.337.8000	bottom cover	1
83	HP6.702.092.000	GPS controller	1
82	HP8.683.137.000	sealing ring	1
81	HP8.076.336.8000	top cover	1
80	HP8.662.083.00	sealing ring	1
79	HP6.482.000.00	lock nut	1
78	HP8.354.019.000	cable fixing head	1
77	HP8.264.468.00	pin	1
76	HP8.242.152.00	left body of depth adjustment collar	1
75	HP8.379.073.00	nut	1
No.	DRAWING NO.	PART NAME	Q'TY

**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](http://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:**.....





## DISTRIBUTORS

### CONTACT INFORMATION

Full and up to date contact information can be found at:

[www.watersnake.com.au](http://www.watersnake.com.au)

REGION/COUNTRY	DISTRIBUTOR	CONTACT
<b>Asia Pacific</b>		
Australia	Watersnake	+61 3 8789 7949
New Zealand	Brittain Wynyard	+64 9 306 7200
South Korea	Plady Co.	+82 10 9894 9938
<b>USA</b>		
USA	Innovative Procurement, LLC	+1 573 346 7447
<b>Africa</b>		
South Africa	Apex Walker	+27 11 4621 302
<b>Europe</b>		
Italy	Europesca Sport	+39 06 6500 2449
Sweden	Wiggler AB	+46 303 798 744
UK and Ireland	Dennet Outdoor	+44 0 2871 38 3033
Germany	World Fishing Tackle	info@wft.de

## SPARE PARTS

**CONTACT YOUR NEAREST DISTRIBUTOR FOR AVAILABILITY OF SPARE PARTS.**

**SPARE PARTS CAN ALSO BE PURCHASED ONLINE.**

### USA:

[watersnakeusa.com](http://watersnakeusa.com)

### AUSTRALIA AND OTHER MARKETS:

[anglerscentral.com.au](http://anglerscentral.com.au)

[www.watersnake.com.au](http://www.watersnake.com.au)

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