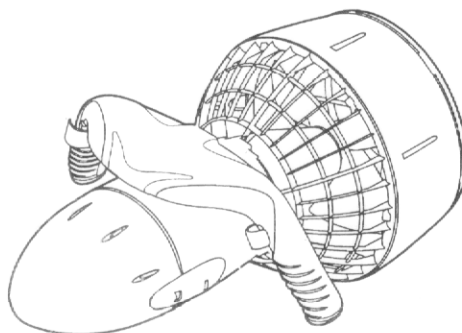


USER MANUAL

SEA SCOOTER



CE ISO9001:2000

Read through carefully and understand these instructions before operating the scooter

www.x-tremescooters.com/technical.html
/ support /

Sea scooter cuts out

To protect the electronic circuit of your sea scooter from damage a safety mechanism has been built in that cuts the power if a wall or rock or other immovable object is hit. If this occurs simply wait for a short period to allow the sea scooter to reset itself and resume use.

Accidental Flooding

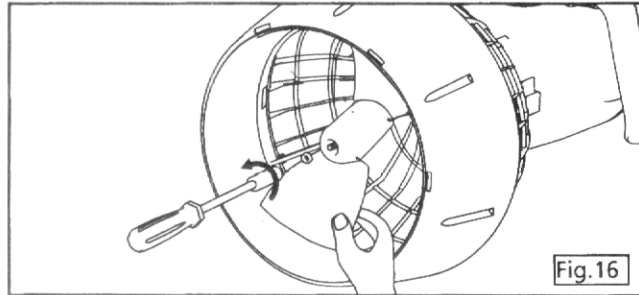
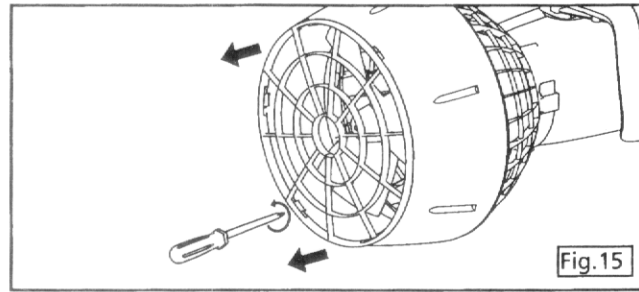
Be sure to keep the seals sand and grit free to ensure they keep water out and to close the vent plug after accessing the battery chamber. However, should the seals become dirty or the vent plug left open and water enters the battery chamber, your sea scooter will not be damaged as it is designed for protection against accidental flooding, if water enters the battery chamber the sea scooter will automatically stop functioning. If this occurs:

1. Remove the unit from the water
2. Open the battery chamber, remove the battery, and if salt water has entered rinse it out with fresh water,
3. Dry the battery chamber and battery thoroughly and reassemble, ready for use.

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5. While holding the Propeller, use an M6 socket to remove the nut from the Propeller shaft (See fig. 16).
6. Slide the Propeller off the shaft, taking care not to loose the drive pin or washers.
7. Remove the blockage from the Propeller.
8. Replace the drive pin (if removed), see fig. 17, and Propeller. Turn the Propeller slowly until you locate the pin and push the Propeller fully on.



Parts Diagram

- 1) Latch
- 2) Nose Cone
- 3) Inner Nose Cone
- 4) Vent Plug
- 5) Triggers
- 6) Handle
- 7) Nozzle
- 8) Propeller
- 9) Protective Grilles
- 10) Battery Housing
- 11) Master Switch
- 12) Battery Leads]
- 13) Battery
- 14) Vent Hole
- 15) Buoyancy Control Chamber
- 16) Silicone Ring
- 17) Pump
- 18) Lubricant

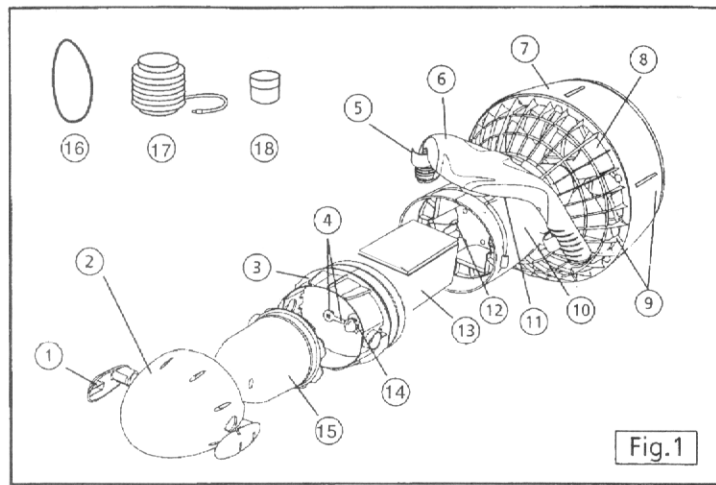


Fig.1

Trouble Shooting

Unit does not function

If the motor does not start when both triggers are pressed, make sure:

1. The battery is properly connected
2. The battery is fully charged (see page 10, charging the battery)
3. The master switch is in the "On" position (see fig 2, page 6)
4. There is no water in the battery compartment (see page 22, accidental flooding)

Blocked Propeller

If the Propeller becomes blocked first try and remove the obstruction by removing the front grille. If this is not possible the back grille and Propeller can be removed.

Under normal use the grilles must not be removed.

Removing the front grille to remove an obstruction.

1. Remove the sea scooter from the water.
2. Make sure the master switch is in the Off position.
3. Insert a screw driver as shown in fig. 13 to remove the two grille pins.
4. Unclip grille as shown in fig. 14.
5. Remove obstruction.
6. Reassemble grille and insert clips.

- Do not use alcohol or mind-altering drugs prior to using this product.
- ALWAYS keep the sea scooter out of direct sunlight when not in use. HEAT KILLS BATTERIES.
- When using the sea scooter for SCUBA, ascents and descents should be made in accordance with recognized diving practices.
- The sea scooter should only be used for SCUBA by qualified divers.
- Always follow this age recommendation: a child under 16 years old should operate under the parents' supervision.
- Never open the Cover of the sea scooter in the water.
- When not in use, always turn the Master Switch to the off position.
- Do not use the sea scooter below the recommended maximum depth of 30m..

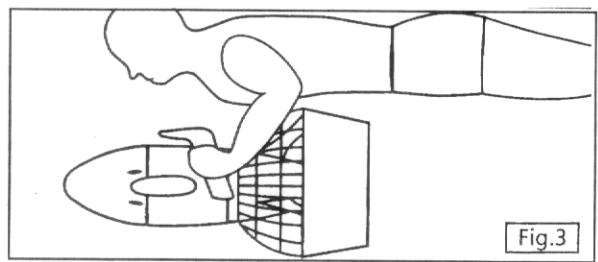
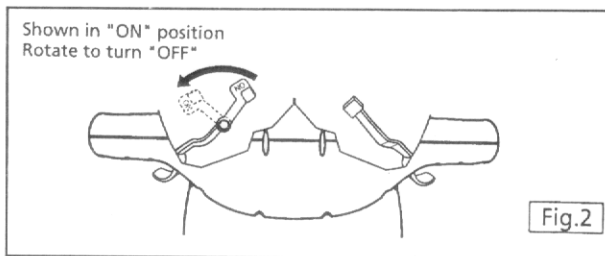
Care And Maintenance

Battery Care

- The battery should be recharged as soon as possible after use.
- If the unit is not used for extended periods, the battery should be removed from the unit and charged overnight, every three months.
- Only use the charger supplied with the sea scooter.
- Never place the battery in a sealed container when charging.
- Never short circuit the battery or battery cable.
- Never place/store the battery near a radiator/fire, etc.
- To store the battery, remove it from the sea scooter or separate it from the charger, insulate the battery terminals and keep in a place that is dry and cool.
- Ambient temperature for storage should be within the range -20°C to 40°C (-4°F to 104°F).

Care after using the sea scooter

- Always rinse the sea scooter in fresh water and allow it to dry before storage.



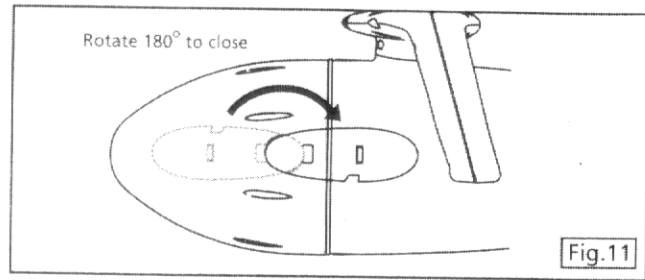
7. Proper posture when using the sea scooter is important to achieve the maximum speed - see fig. 3 for the correct position of the sea scooter when using it.

CAUTION: Do not dive deeper than you would normally when snorkeling, to ensure you can get back to the surface safely.

Use of Variable Speed.

Your Sea scooter features two speeds - for normal speed, pull the right trigger only. For the higher speed, pull both triggers together.

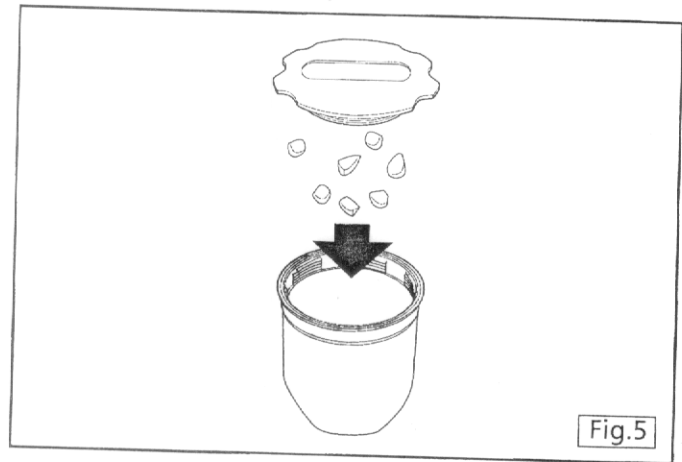
Note: To charge a battery outside of the unit, simply connect the batteries to the charger, then plug the charging adapter into a wall outlet. When the battery is charged, unplug the adapter from the wall outlet, then disconnect from the battery.



To replace a flat battery with a fully charged battery.

1. Follow the steps 1 to 6 on page 10, to open the sea scooter.
2. Unplug the battery at the socket by pressing the locking feature shown in fig. 7.
3. Remove the flat battery.
4. Install and connect the charged battery in the correct position - the leads of the battery must be oriented as shown on the sticker on the battery, see fig. 12.

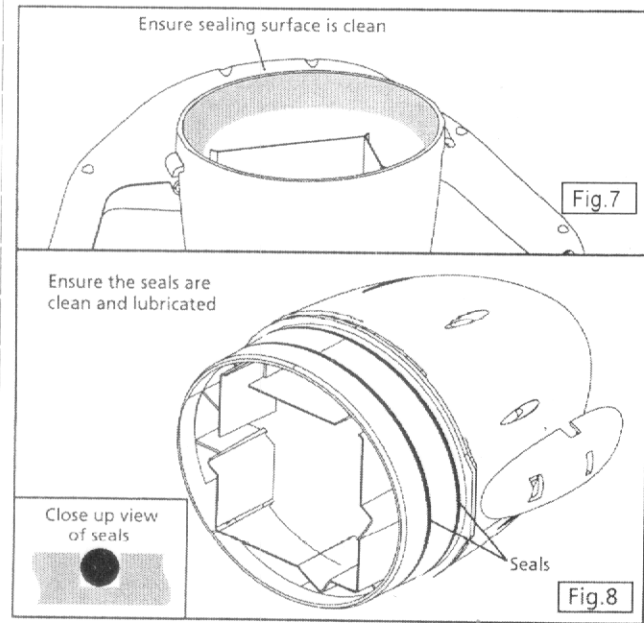
5. If the sea scooter sinks, remove rocks until it is neutrally buoyant. If the sea scooter is still positively buoyant repeat step 3, until it is neutrally buoyant.



CAUTION

If the sea scooter is later used for swimming or snorkeling be sure to remove the weight from the Buoyancy Chamber so the sea scooter has positive buoyancy.

13. Unplug the battery cable from the charger cable and reconnect to the housing cable.
14. Make sure the seals and sealing surfaces are clean and lubricated before replacing the Inner Nose Cone. See fig.7. 8.
15. Replace the Inner Nose Cone making sure the key is aligned correctly. See fig. 9.

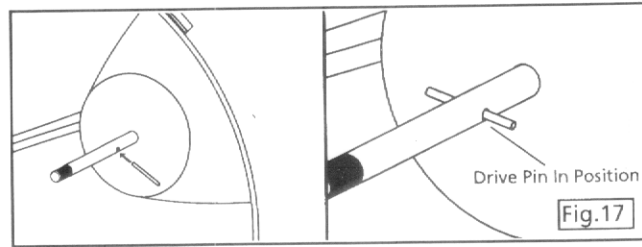


Charging the battery

For battery charging follow these instructions.

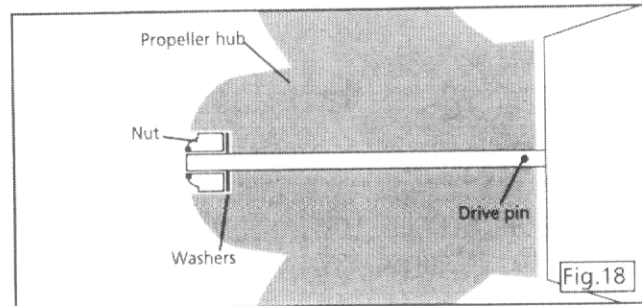
1. Always ensure that the Master Switch is Off - see fig. 2.
2. Always ensure that the sea scooter is out of the water and placed in a dry area.
3. Give a half turn to the Latches and remove them from the Nose Cone as shown in fig. 4.
4. Remove the Outer Nose Cone and Buoyancy Control Chamber.
5. Open the Vent by unscrewing the Vent Plug.
6. Remove the Inner Nose Cone. To do this, first feed the silicone ring (provided with this manual) through the latch holes in the Inner Nose Cone and hook over the hooks on the Battery Housing (see fig. 6). Then screw the Pump Nozzle onto the Vent Hole and pump air into the Battery Chamber until the Inner Nose Cone pops off and then remove the silicone ring.
7. Allow two minutes for any gasses to dissipate.
8. Disconnect the battery cable from the housing cable (if not already disconnected - the cable will be disconnected when you buy your sea scooter) by pressing the locking feature.

9. Replace the washer(s) and nut and tighten with the socket while holding the Propeller making sure it is securely fastened (See fig. 18).
10. Replace the grille
11. Replace the battery.



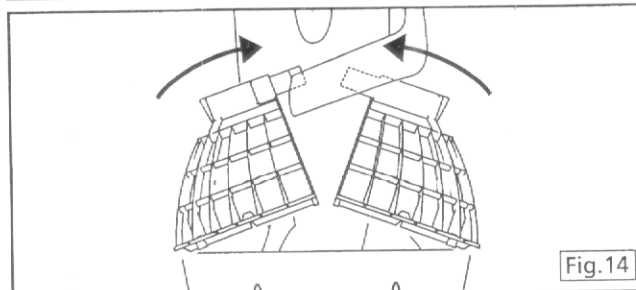
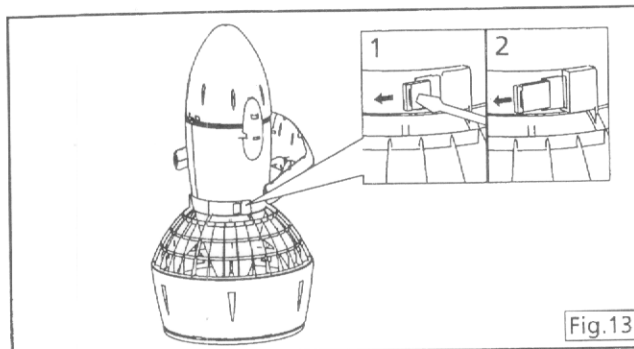
Sand or Grit on Seals

Sand or grit is the enemy of seals. Correct maintenance and care is essential. To remove sand or grit from the seals, rinse the seals in fresh water and apply fresh lubricant. If there is sand inside the Battery Housing, gently brush the sand from the unit taking care not to scratch the sealing surfaces.



Removing rear grille and Propeller to remove obstruction

1. Remove the sea scooter from the water.
2. Make sure the master switch is off.
3. Remove the battery.
4. Unscrew the six rear grille screws as shown in fig. 15.



Imtroduction

Thank you for having chosen this model sea scooter. This new design in a personal water propeller that gives you power twin speed for up to 4.8km/h for up to 90 minutes of use at a depth of up to 30m - but at the same time is compact and light.

There are many features incorporated in this design, please take a little time to study this manual to learn about them all to get the most out of your sea scooter.

- Whenever possible rinse the sea scooter in fresh water immediately after use.
- To clean the sea scooter do not use detergents, only use a damp cloth to wipe the unit clean.
- The Battery Housing interior should be kept dry at all times.
- If the Battery Housing interior ever gets wet, see page 22, Accidental Flooding for procedure.
- When storing the sea scooter for extended periods of time, open the Vent Plug in the Inner Nose Cone.
- ALWAYS store your sea scooter vertically when not in use to prevent deformation of the Propeller Nozzle.

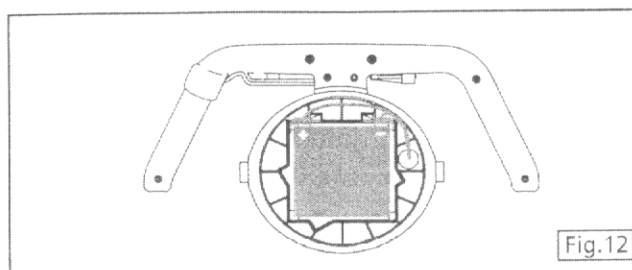
Warnings

- Read the user's manual carefully.
- Never remove the grilles except for maintenance.
- Never place body parts, clothing or other objects in the vicinity of the Propeller. Do not wear loose or flowing clothing or equipment that could be drawn into the Propeller.
- Particular care should be exercised when using the sea scooter near anybody with long hair. Users with long hair should tie it up or wear a swimming cap when using the sea scooter.
- Always inspect the swimming area to ensure it is free of hazards or obstacles such as boats and swimmers before using the sea scooter.
- The battery should be fully charged before using the sea scooter. Ensure sufficient battery charge remains for return to shore or surface.
- Always wear a approved personal flotation device when using the sea scooter.
- Be aware of appropriate water levels, tidal changes, dangerous currents, weather changes and strong offshore winds. Always scout unfamiliar water.

5. Follow steps 14 to 19 on page 12,
to close the sea scooter.

Buying batteries

Additional standard or extended
batteries can be purchased
separately. Contact your dealer
to purchase Them.



Getting Started

When you buy the sea scooter , the battery is disconnected and needs to be charged, follow the instructions on page 9, Battery Use, Charging the Battery, for charging and connection.

Using the sea scooter for swimming and snorkeling.

When swimming or snorkeling the sea scooter should be kept positively buoyant - this is done by simply making sure the Buoyancy Chamber is empty and fitted inside the Nose Cone.

To use the sea scooter for swimming or snorkeling follow these instructions.

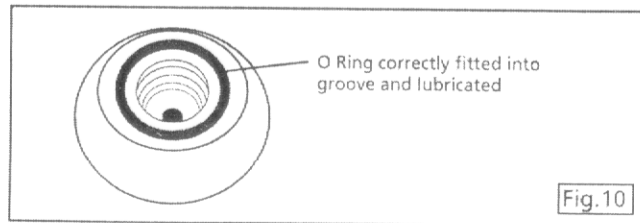
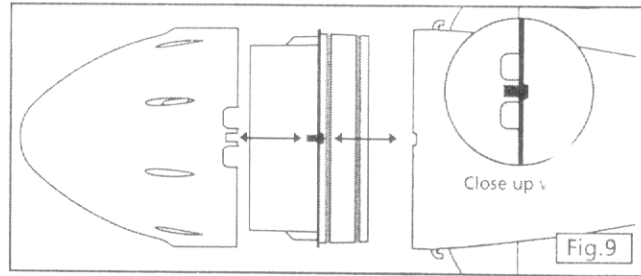
1. Charge the battery - see page 9 for instructions (make sure that when you finish charging the Vent Plug is closed).
2. Place the sea scooter into the water so the Handle, Outer Nose Cone and Nozzle fill with water.
3. When ready to set off, switch the Master Switch to the On position shown in fig. 2.
4. Pull and hold one or both triggers to start the Propeller.
5. To stop the Propeller, simply release the Trigger.
6. Always turn the Master Switch off when out of the water.

16. Ensure the Vent O Ring is fitted correctly. See fig. 10.

17. Screw in the Vent Plug to seal the vent.

18. Replace the Buoyancy Control Chamber.

19. Replace the Outer Nose Cone making sure the key is aligned correctly and insert the Latches and lock the Nose Cone by giving them a half turn. See fig. 11.

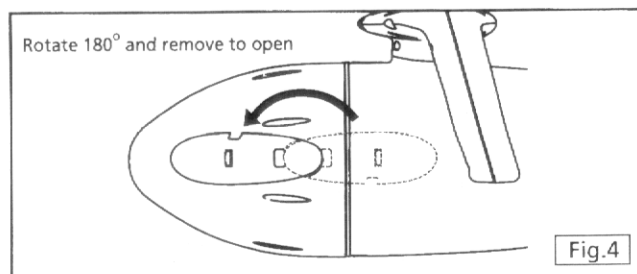


Using the sea scooter for diving – adjusting the buoyancy.

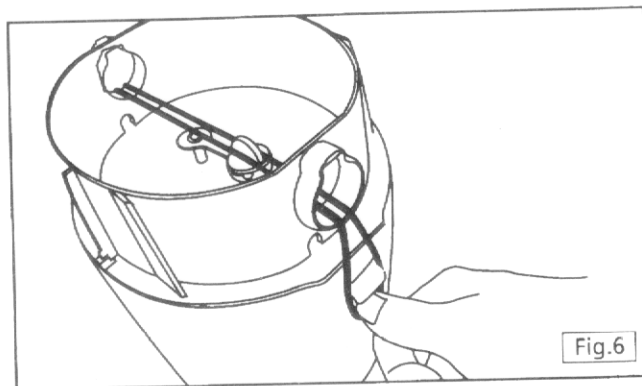
Your sea scooter can be used for diving up to 30M(100ft) but will need to be adjusted for neutral buoyancy. The sea scooter must never be adjusted for negative buoyancy to avoid sinking if accidentally released.

To adjust for neutral buoyancy follow these instructions

1. Make sure the sea scooter master switch is in the Off position.
2. Remove the sea scooter from the water, give a half turn to the Latches, remove them (see fig. 4) and remove the Buoyancy Control Chamber.
3. Open the Buoyancy Chamber and add a small amount of rocks or a lead weight (see fig. 5).
4. Replace the Buoyancy Chamber and the Nose Cone and latches and place the sea scooter in the water. If the sea scooter is neutrally buoyant it will just float in the water.



9. Connect the battery cable to the charger cable.
10. Plug charger into wall socket and turn on the supply. Do not replace the Nose Cone.
11. Charging will take 4 to 6 hours for a fully discharged battery. When the battery is charging the LED charger remains on, when the battery is charged the LED flashes.
12. Unplug the adapter from the mains.



Battery Use

- The Battery Housing should always be ventilated during charging to allow potentially explosive gasses to dissipate. Before removing/attaching any battery cables always allow two minutes for any gasses to dissipate.
- ALWAYS plug the charger jack into the charging socket first and then plug into the wall socket. When charging is complete, unplug the charger from the wall socket first and then from the charging socket.
- ALWAYS ensure the charger is DRY before plugging it into a live socket.
- NEVER place the battery in a sealed container when charging.
- Never charge battery near water.
- If in doubt of the state of the battery, recharge it until the indicator on the battery charger indicates a full charge.
- ALWAYS charge battery in a well-ventilated place where unit is out of reach of children.
- ALWAYS ensure the unit is dried thoroughly before opening the Nose Cone for charging or changing the battery.