

Elkhart, Indiana

1-866-778-POOL

www.poolboyproducts.com

POOL BOY® Battery Powered Solar Blanket Reel

Installation / Operation Guide



INTRODUCTION

Please Read, Follow, and **Save this Instruction Manual.**

POOL BOY® is recommended for use on rectangular shaped pools with or without diving boards.

The POOL BOY® system should only be used for the intended application.

GETTING STARTED

Required Tools

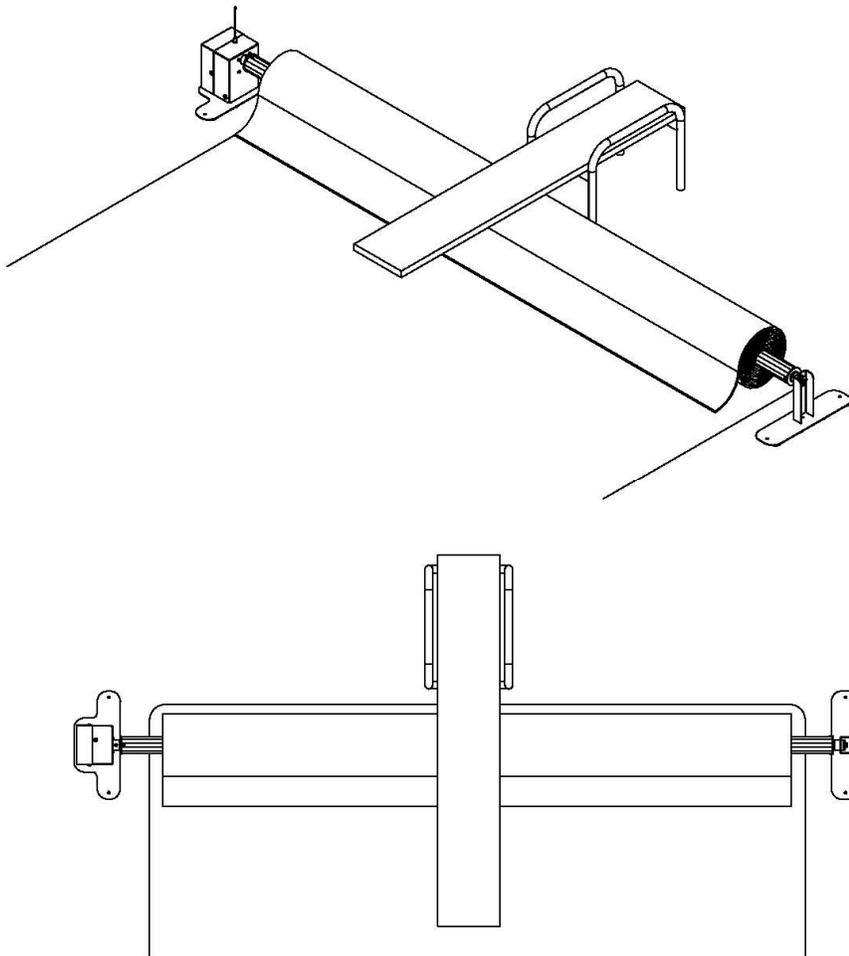
- 5/16 & 7/16 wrenches or sockets
- #2 Phillips screwdriver
- Drill
- 1/4" and 5/32" drill bits
- Flat blade screwdriver

Select the Location

Select a location at one of the narrow ends of the pool. The location must:

- Be away from the ladder

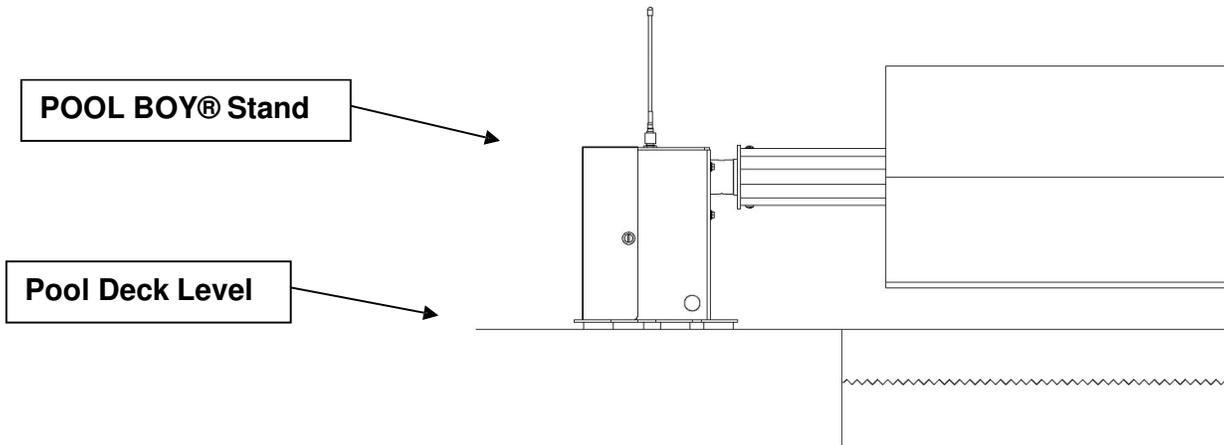
Typical Layout



Installation

1) Position the Stands

Position the stands in the selected location at one of the narrow ends of the pool. The stands come fully assembled except for the installation of the battery which is covered later in the instructions. It does not matter which side of the pool each stand goes on. The Stand that will be referred to as the Drive side stand is the larger of the two. The Drive side stand will house the motor and the battery and its control components.

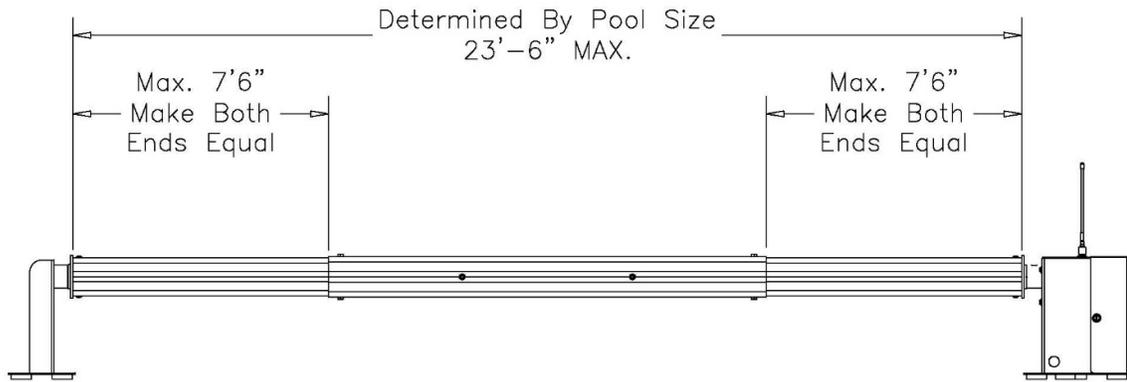


2) Installing Cross Tubes

The cross tube assembly is adjustable to accommodate required widths from 17 to 23.5 feet. The cross tube assembly has three tube sections. Two smaller tubes telescope from each end of the larger diameter tube.

1. Slide a smaller diameter tube section into each end of the large tube.
2. Insert the drive and idler hubs into the ends of the cross tube assembly.
3. Center the middle tube section between the stands.

Note: The cross tube is adjustable from 17ft to 23.5 ft.



Install the Cross Bolts

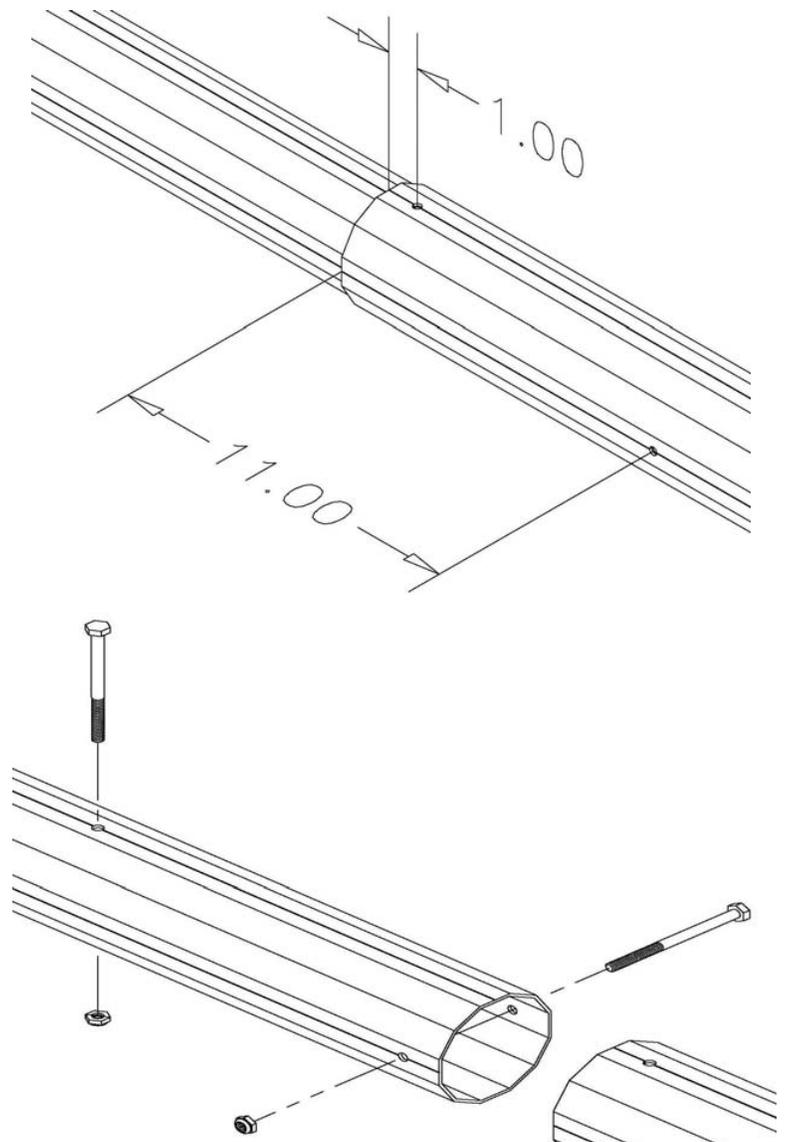
This will fasten the three sections of the cross tube assembly together.

Note: the cross tube sections have grooves. These grooves are used to help guide the drill bit during the drilling process.

On one end of the large diameter tube: Measure one (1) inch in from the end of the large tube section and using the groove as a guide, drill a 1/4\" hole. Insert a 1/4\" bolt into the hole to keep the tubes from moving. Then drill another 1/4\" hole one inch from the end of the large tube in the guide groove on the opposite side (180 degrees) from the first hole. Insert a bolt through both holes, install a nut, and tighten.

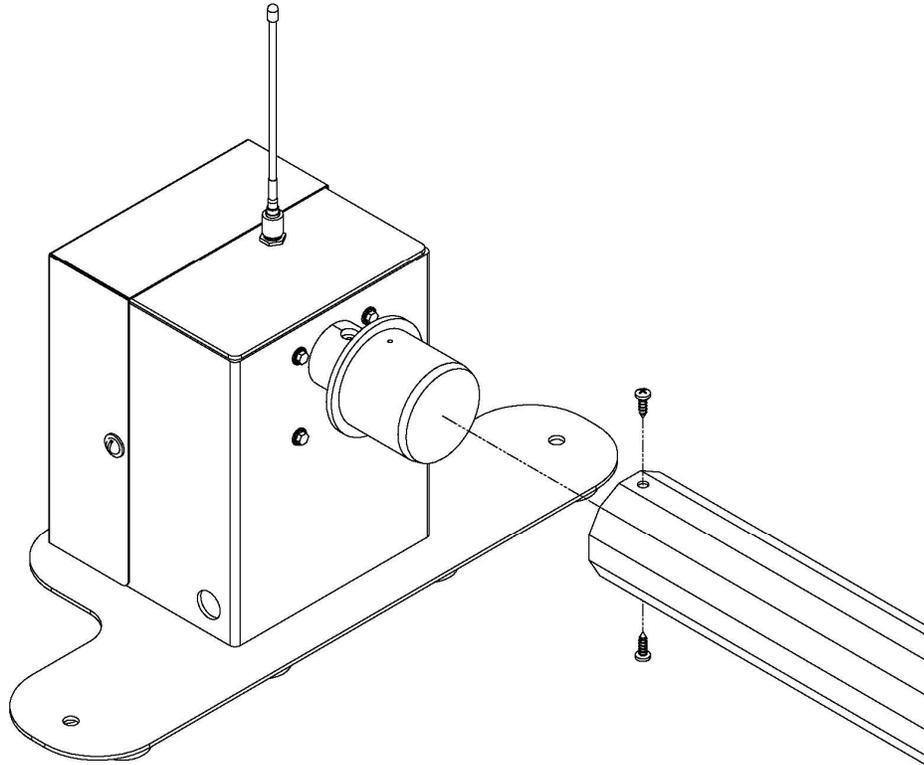
Repeat this process by drilling two more holes at eleven (11) inches from the end of the large tube and at 90 degrees rotation from the first pair of holes.

Perform this process on the other end of the large tube for a total of four (4) bolts.



Attaching the cross tube assembly to the POOL BOY® hub assemblies.

1. Insert the drive and idler hubs into the cross tube
2. Mark hole location
3. Drill a 5/32 pilot hole through the tube and into the hub approx 3/4"
4. Insert the screw and tighten



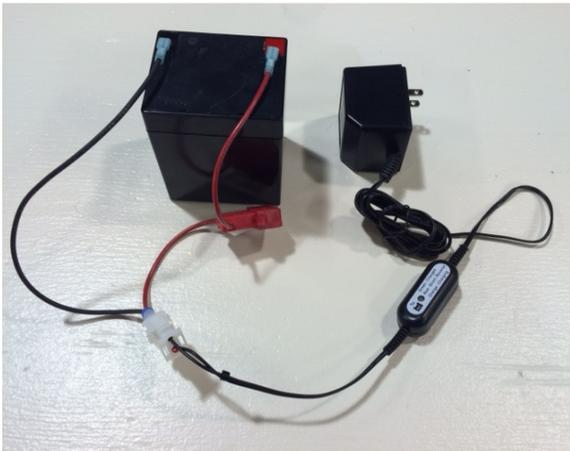
3) Battery Charging and Installation of Battery

The battery is shipped uninstalled to the drive side stand. Prior to installing the battery and operating the unit the battery needs to be charged.

Charging the battery

The battery needs to be charged prior to its first usage and occasionally based on the number of times it is used. Also the battery needs to be charged prior to seasonal storage. The battery must be removed from the drive side stand to charge it.

The battery is shipped with a connecting harness installed. To charge simply plug the mating connectors of the charger and the battery together and then plug the charger into a 110 VAC outlet. The charger is not to be used outdoors or in a wet or damp environment. The battery should be charged in area with good ventilation. The battery and the charger must be kept away from external heat sources and open flame or other ignition devices. The charger feed wiring is equipped with a charge indicator light that will change color from orange to green when fully charged. Excessive overcharging or undercharging may damage the battery and limit its life. See precautions printed on the battery and separate sheet provided with charger for further information.



Battery properly attached to 110 VAC charger



Charging Indicator

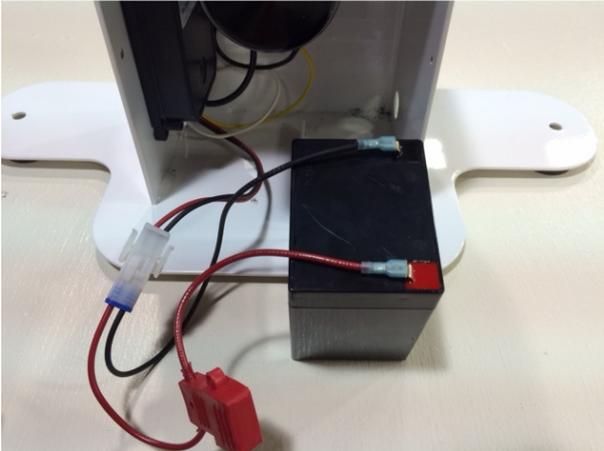
Note: The charge indicator light will be lit green if any one or more of the following exists. The battery is fully charged, the fuse is blown or the wiring/connection to the battery is not complete.

Seasonal storage: Prior to long periods of inactivity the battery should be removed from the stand, charged and stored where it cannot freeze. It should be stored away from excessive heat and flame.

Note: The battery and charger may vary from photos due to differing manufacturers.

Installing the battery

The battery is simply placed inside of the drive side stand on the right hand side (opposite side from the controller). The connector from the battery is then plugged into the mating connector in the drive side stand. When properly connected the wire colors will match. The below photos shows a properly connected and installed battery in the drive side stand. The wiring should be neatly tucked in next to the battery and below the motor.



Proper battery connections



Properly installed battery

Note: Battery may vary from photos due to differing battery manufacturers.

Antenna Installation

The wireless antenna is shipped uninstalled, it is simply screwed onto the connector at the top of the drive side stand.



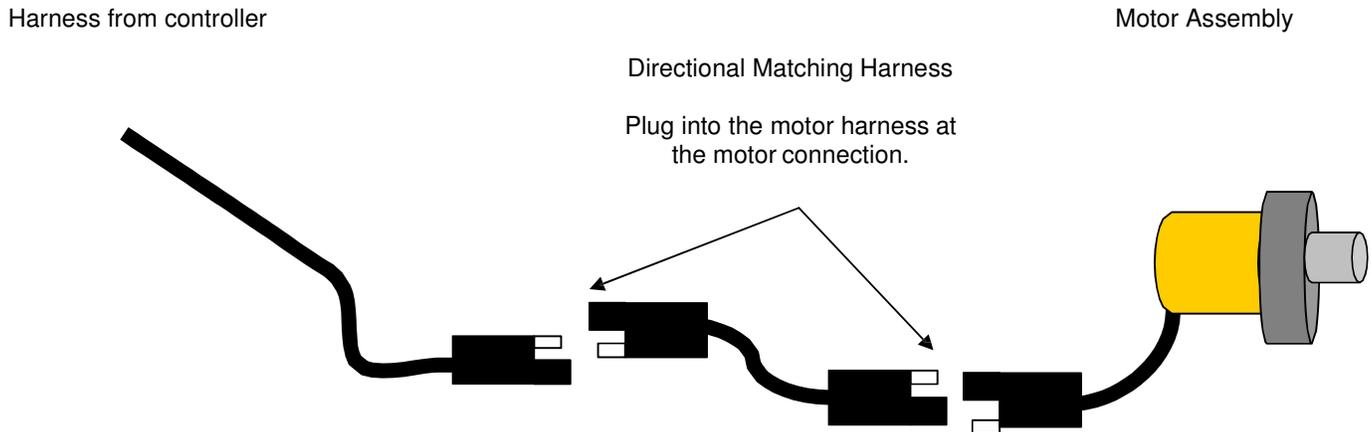
Photo of Drive side stand with Antenna Installed

4) Test Run

With the cross tube attached, test run the system. (See the OPERATION Section for instructions.) Ensure the cross tube is securely attached to the POOL BOY® hubs and that it runs smoothly without wobble.

In preparation for installing the solar blanket, observe the direction of rotation of the cross tube. Compare this direction of rotation to the EXTEND and RETRACT buttons on the remote control as well as to the direction you plan to wrap the solar blanket around the crosstube.

Depending on the desired installation configuration, the operating direction of the reel may be opposite of the buttons on the remote. To correct, install the supplied directional matching harness at the motor connection. This will match motor direction to the remote control to the desired wrap direction of the pool cover.



5) Install the drive stand cover. Using the supplied nylon screws.

6) Attach the solar blanket

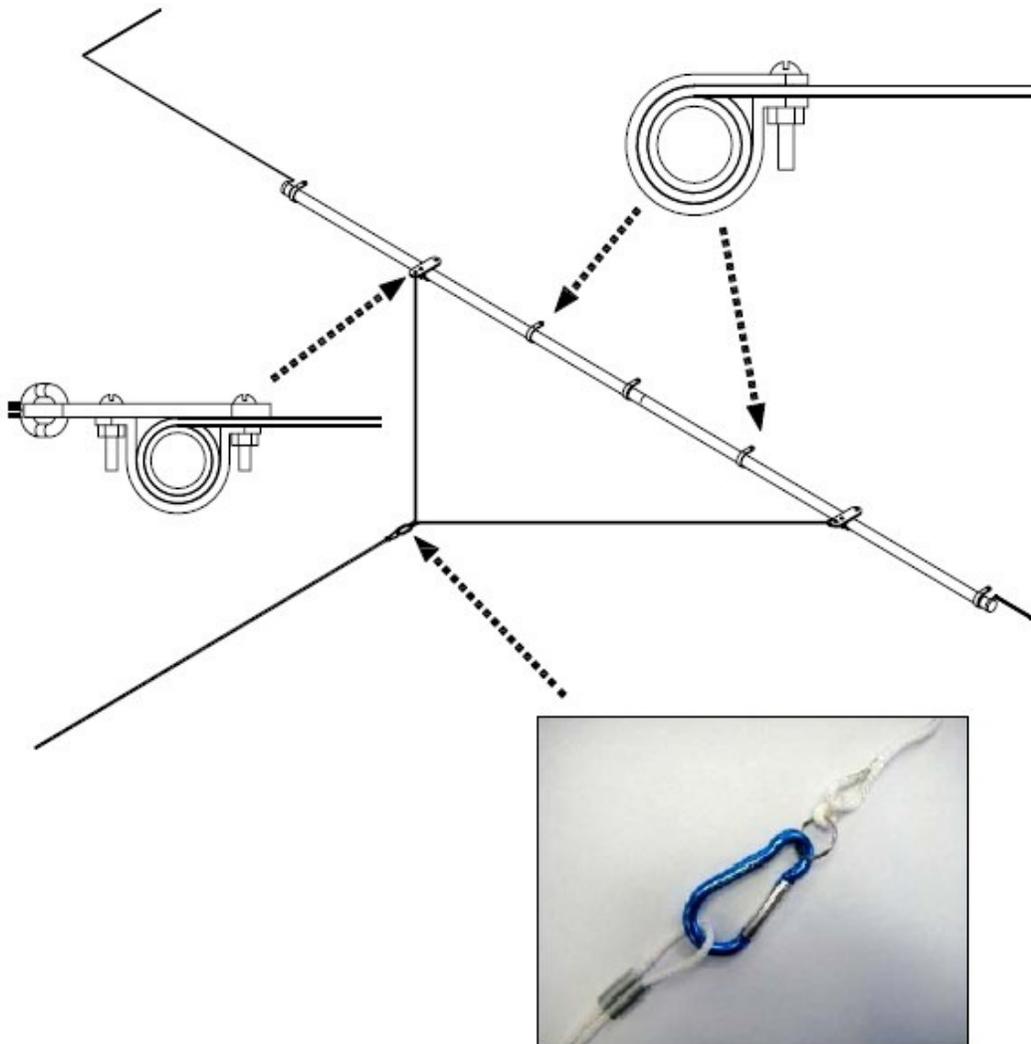
Attach solar blanket onto the cross tube in the manner prescribed by the blanket/ blanket strap manufacturer. Consult your solar blanket retailer for details.

The blanket can wind onto the cross tube either direction.

7) Install tether kit

The Tether Kit attaches to the leading edge of the solar cover, opposite the end that wraps onto the cross tube. The tether is used to guide the cover during extension and retraction.

1. Carefully wrap the edge of the cover around the rods (2) 5ft pieces. Ensure the wrap is even and square to the leading edge and center of the cover.
2. Install the supplied (5) clips as shown in the following diagram. Bolt through the cover material, a hole will need to be made thru the blanket. Install clamps evenly, approximately one every two feet.
3. Snap the guide rope harness to the clamps as shown.



Safety Items prior to operation

Visually inspect the pool prior to retracting or extending the solar blanket. Ensure that the pool is clear of occupants and that no items will conflict with the solar blanket. When not in use, store the remote control in a secure location in order to prevent unauthorized operation.

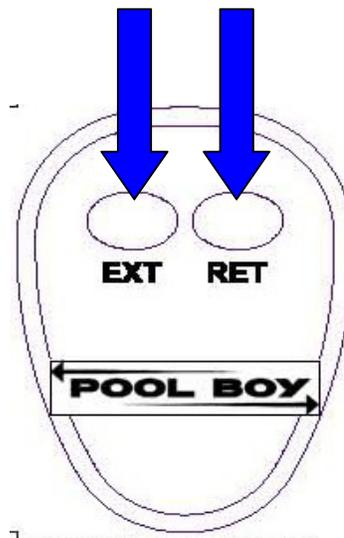
Safety Features

The POOL BOY® powered solar blanket reel has operational safety features integrated into a locking remote control that is designed to prevent unauthorized operation.

Remote Control: The key fob style remote control is used to extend and retract the solar blanket. This remote control is activated for use only after both buttons (EXT / RET) are depressed simultaneously and held for 2 seconds. Once activated, the remote control has a built in 5 minute timer during which time, operation is possible. After five minutes elapses, the remote will deactivate and operation will cease. To continue operation, the remote must be activated again.

OPERATION

Activate the remote control by pressing simultaneously and holding both the **EXT** and **RET** buttons for 2 seconds. Note: Activating the remote starts a 5-minute timer for system operation.



Operate the System

To retract the solar blanket: press and release the **RETRACT (RET)** button on the remote control. To stop retraction: press and release the **RETRACT (RET)** button again. Note: Retraction will also stop automatically after 90 seconds.

It may be necessary to guide the blanket as it coils onto the reel. This can be done by grasping the edge of the solar blanket or using the tether.

To extend the solar blanket: press and release the **EXTEND (EXT)** button on the remote control.

To stop extending the blanket: press and release the **EXTEND (EXT)** button again.

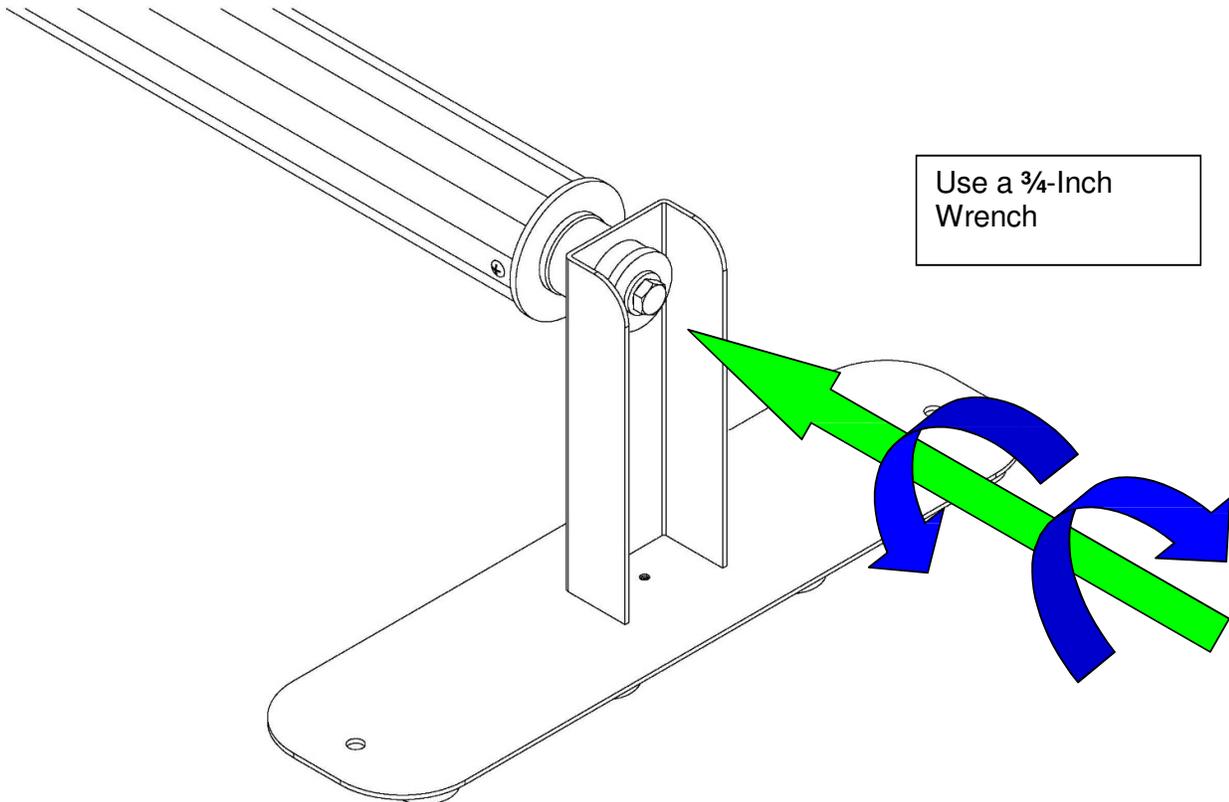
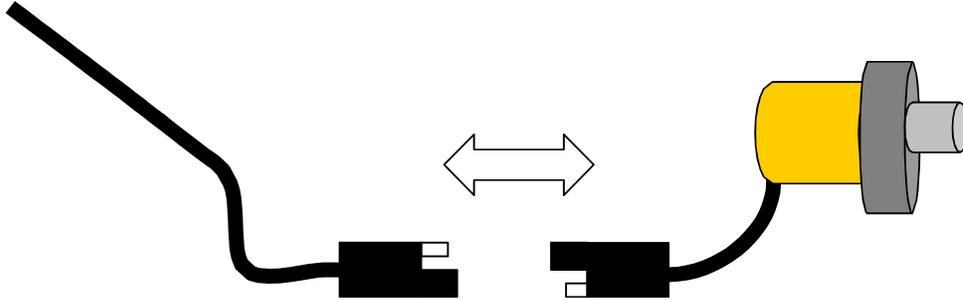
Note: Extension will also stop automatically after 90 seconds.

It will be necessary to guide the blanket across the pool as it uncoils from the reel. This can be done by grasping the edge of the solar blanket or using the tether.

MANUAL OVERRIDE

In the event of a loss of power, a manual override is provided.

- 1) Unplug the motor harness.
- 2) Use a $\frac{3}{4}$ -inch wrench or socket to turn the reel in the desired direction.



Maintenance and Troubleshooting

Stands and tubes

The Pool Boy stands and tubes are designed to be weather resistant and Maintenance free. The hubs are made of a special material that does not require lubrication. The stands are specially multi coated to resist the elements and may be cleaned using a mild soap and water solution. The use of a pressure washer is to be avoided due to the battery and other components inside of the drive stand.

Battery

The battery located in the drive side stand must be charged occasionally for proper operation (see battery charge instructions for this). The battery powered components located inside of the drive side stand are weather resistant, they are not immersion proof. The battery and battery powered components may be cleaned using a damp rag. Under no circumstances should the battery or battery powered components be cleaned by using high pressure spray from a hose or pressure washer.

Seasonal storage

Prior to long periods of inactivity the battery should be removed from the stand, charged and stored where it cannot freeze. It should be stored away from excessive heat and flame. It should then be charged again prior to usage. (see section on charging battery)

Remote (Fob)

The remote control (Fob) is weather resistant. It contains a button type battery (CR 2032). The battery may require replacement at some time. This battery (CR 2032) is available at most retail outlets that sell batteries. When replacing the battery be sure to install for correct polarity and remove any protective sticker or film that may be on the battery.

No operation

If the system fails to operate, first check and verify that you are doing the **TWO button press for TWO seconds** prior to attempting operation. (See operation instructions for this)

Then check the following items

Check/charge the main battery in the drive side stand

Check the fuse in the fuse holder at the battery connector. The fuse is an ATO 7.5 AMP.

Check/replace the battery in the remote (Fob)

Check the wiring inside of the drive side stand for corrosion and or loose wiring

After following the above checks if trouble persists call POOL BOY technical assistance at 866-778-7665

FCC Statement

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FCC Compliance and Advisory Statement. This hardware device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for help. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

Canadian DOC Statement. This digital device does not exceed the Class B limits for radio noise emissions from digital apparatus specified in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

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Déclaration FCC. Cet équipement a été testé et déclaré conforme à la section 15 du règlement de la FCC. Son fonctionnement est soumis aux conditions suivantes: 1) l'équipement concerné ne doit pas causer d'interférences dangereuses, et 2) il doit accepter toute interférence reçue, y compris les interférences risquant d'engendrer un fonctionnement indésirable. Cet équipement a été testé et déclaré conforme aux limitations prévues dans le cadre de la catégorie B des appareils numériques défini par la section 15 du règlement de la FCC. Ces limitations sont stipulées aux fins de garantir une protection raisonnable contre les interférences gênantes en installation résidentielle. Cet équipement génère, utilise et diffuse des ondes radio, et s'il n'est pas installé ni utilisé en conformité avec les instructions dont il fait l'objet, peut causer des interférences gênantes avec les communications radio. Cependant, nous ne pouvons vous garantir qu'une interférence ne se produira pas dans une installation particulière. Si cet équipement produit des interférences graves lors de réceptions radio ou télévisées qui peuvent être détectées en allumant et en éteignant l'équipement, vous êtes invités à les supprimer de plusieurs manières: 1) Réorienter ou déplacer l'antenne de réception; 2) Augmenter la distance séparant l'équipement et le récepteur 3) Connecter l'équipement à un circuit différent de celui auquel le récepteur est connecté; 4) Contacter votre revendeur ou un technicien radio/TV qualifié. Toutes modifications ou tous changements effectués sans l'accord exprès de la partie responsable de la conformité aux normes pourraient contraindre l'utilisateur à ne plus utiliser son équipement. Afin d'assurer la conformité avec les règlements FCC, les câbles d'interface blindés fournis avec le produit doivent être utilisés, ainsi que tout autres composants ou accessoires également spécifiés, lors de l'installation du produit.

Déclaration du Ministère des Communications Canadien. Cet appareil numérique est conforme aux limitations concernant l'émission d'interférences radio par des appareils numériques de catégorie B, telles que stipulées dans le cadre de la norme Appareils numériques ICES-003 édictée par le Ministère canadien de l'industrie.

Cet équipement a été déclaré conforme à la norme RSS-210 édictée par le Ministère canadien de l'industrie. Son fonctionnement est soumis aux conditions suivantes: 1) l'équipement concerné ne doit pas causer d'interférences, et 2) il doit accepter toute interférence reçue, y compris les interférences risquant d'engendrer un fonctionnement indésirable.

WARRANTY

DAYS CORPORATION LIMITED WARRANTY, REPLACEMENT PARTS & RETURNS POLICY POOL BOY®

POOL BOY® LIMITED WARRANTY Effective January 1, 2016 Days Corporation (“Days”) warrants to the original purchaser of POOL BOY® system components (the “Products”), for a period of three (3) years from the original sale date or date of dealer installation, whichever is earlier (“Limited Warranty Period”), that the Products shall be free from defects in material and workmanship. Days’ sole obligation under this warranty is, at its election, to repair, replace or make appropriate adjustments concerning the Products where Days’ inspection discloses any such defects in the Products occurring in normal usage within the limited warranty period. Days will, at its option, repair or replace such part at no expense to you (provided, however, that you will be responsible for all shipping or transportation costs in connection with transporting this unit to and from Days). Only warranty claims with prior authorization from Days will be recognized; all other claims are invalid and will be denied. This warranty does not apply to abuse, misuse, neglect, negligence, error of operations or to purposeful or accidental damage or damage due to “act of God” such as wind or rain damage, flood, lightning or other natural or similar occurrences. The POOL BOY® limited warranty coverage applies only to the Products and no other apparatus or property to which the Products are affixed or attached. The POOL BOY® limited warranty is not transferable. THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, AND DAYS EXPRESSLY EXCLUDES ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE OR USE. Days is not responsible for removal or installation costs. UNDER NO CIRCUMSTANCES SHALL DAYS’ LIABILITY FOR ANY DEFECT IN THE PRODUCTS, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, EXCEED THE PURCHASE PRICE OF THE DEFECTIVE PRODUCTS, AND DAYS SHALL HAVE NO LIABILITY FOR CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, EXEMPLARY OR PUNITIVE DAMAGES OF ANY KIND WHATSOEVER. This limited warranty provides the limited purchaser of the Products with specific legal rights. The original purchaser of the Products may also have other rights that vary from state to state.

APPLICABILITY OF LIMITED WARRANTY TO REPLACEMENT PARTS. The terms and conditions of the POOL BOY® Limited Warranty shall apply to any replacement parts provided to the original purchaser by Days in connection with any warranty claim. Any replacement part is warranted for the balance of the Limited Warranty Period or ninety (90) days from the date of shipment of the replacement part, whichever is longer. No markup will be paid by Days for warranty parts.

RETURNS POLICY. This returns policy applies to all Products returned to Days from the original purchaser during the Limited Warranty Period. Prior authorization is required before any Product may be returned to Days. A Return Authorization Number is required for Days’ acceptance of returned Products. Warranty claims submitted without proof of the original purchase date are not covered by this Warranty and will be denied. Parts credit (if applicable) will be sent after Days tests the Product and validates the warranty claim.

Please direct all questions concerning the POOL BOY® Limited Warranty to:

Days Corporation
Warranty Claims
P.O. Box 668
Elkhart, IN 46515
Telephone: 1-866- 778-7665
Facsimile: 1-574- 266-6083