

SPITZER R5 SPITZER R5 Digital Remote Controlled Electric Golf Caddy User Manual



WARNING: PLEASE FOLLOW ALL ASSEMBLY INSTRUCTIONS AND READ
AND UNDERSTAND THE OPERATING INSTRUCTIONS BEFORE YOU
OPERATE THE CADDY, EITHER MANUALLY OR BY REMOTE CONTROL.

User Manual version 5.2

PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON:

If you have a question or experience a problem with your Spitzer Golf Caddy, call 1-800-814-6536 to speak with a support representative. Or for fast response, email us at support@spitzerproducts.com

DISCLAIMER SAFETY WARNING

OPERATORS ARE SOLELY RESPONSIBLE FOR SAFE OPERATION and MAINTENANCE OF THIS DEVICE. AS A REMOTELY CONTROLLED DEVICE, EXTREME CAUTION AND CARE MUST BE TAKEN TO AVOID INJURIES, DAMAGE OR LOSS. UNDER NO CIRCUMSTANCES DOES SPITZER GOLF ASSUME ANY RESPONSIBILITY FOR OPERATOR SAFETY, INJURIES OR PRODUCT LOSS.

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1.0 Introduction

1.1 Features

The SPITZER Remote Control Golf Trolley/Caddy features manual and remote controls to provide the user with:

- An electrically assisted manually controlled movement of the cart while you walk-along with it. This operation is controlled through the manual control handle on the cart.
- A remote controlled electrically assisted movement of the cart while you remote control the cart by means of a wireless handheld remote control.

1.2 Packing List

The following is a list of parts that the package should normally contain. If your package is missing any parts, please contact support@spitzerproducts.com immediately.

Standard Parts

- 1 x Caddy Frame
- 1 x Anti-Tip Wheel
- 2 x Rear Wheels
- 1 x Battery Pack (Battery, Bag, Leads)
- 1 x Charger
- 1 x Tool Kit
- 1 x Remote Control incl. Batteries
- 1 x User Manual, Warranty

Optional Accessories – Available at www.spitzergolf.com

- Cup Holder
- Umbrella Holder
- Seat and Seat Holder
- Carrying Bag
- Rain Cover
- Scorecard Holder

Parts Identification

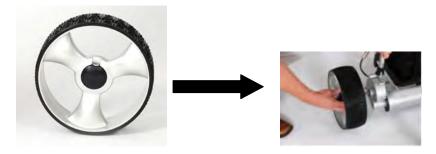


- 1. Manual Rheostat Speed Control
- 2. Upper Bag Support
- 3. Bag Support Strap
- 4. Battery
- 5. Rear Wheel
- 6. Wheel Cap
- 7. Rear Wheel Quick Release Catch

- 7. Dual Motors
- 8. Lower Bag Support
- 9. Front Wheel
- 10. Frame Lock
- 11. Battery Charger
- 12. Remote Control Handset
- 13. Anti Tip Wheel

2.0 Assembly Instructions

- 1. Unpack all items carefully and check parts inventory.
- 2. Place frame structure (one piece) on soft and clean ground to protect frame from being scratched. Attach wheels to axles by pushing wheel locking button on the outside of the wheel and inserting the axle extension into the wheel. Make sure to keep the locking button on the outside of the wheel pushed in during this process, in order to enable the axle extensions, including the two pins, to be inserted all the way into the wheel. If not locked in, the wheel will not be connected to the clutch and will not be propelled!!! Test the lock by trying to pull the wheel out. To disassemble the wheels proceed in reverse order.



3. Erect Frame by unfolding and connecting the main frame tube together at the joint and locking the Y-shape lower support structure to the main frame with the frame lock mechanism. Proceed in reverse for folding the caddy.







4. Place battery pack on battery tray and fasten Velcro strap around battery tightly. Insert battery plug into caddy outlet. Note: BEFORE CONNECTING make sure that Main On/Off switch on handle is in OFF (0) position and the remote control is stored securely!!!





5. Insert anti tip wheel into frame and secure with pin.



6. Install Scorecard Holder and other accessories, such as beverage or umbrella holder below handle in the foreseen places or receptors. (Optional Accessories)



7. Unpack remote control and install batteries as indicated in the diagram in the receiver compartment of the unit. Now you are ready to learn and understand the functions of the manual and remote controls.



3.0 Manual Handle Control

3.1 R5 Manual Handle Control (Standard version)



Symbol	Function	Description
Н	Battery Power	High battery power (Green)
MID	Battery Power	Mid battery power (Yellow)
LOW	Battery Power	Low battery power (Red)
10M	SPITZER Auto	When your press 10M, the trolley will run 10 Meters and stop
	Run Mode	by itself.
20M	SPITZER Auto	When your press 20M, the trolley will run 20 Meters and stop
ZUIVI	Run Mode	by itself.
2014	SPITZER Auto	When your press 30M, the trolley will run 30 Meters and stop by
SOW	Run Mode	by itself.
	Advance and	Easy scrolling with the speed knob wheel lets you choose your
	Braking Function	preferred speeds to suit your pace perfectly;
		The one press stop/go (power brake) function means your cart
GO		will always proceed at the speed you've selected.
STOP		Select the speed to match your pace. The cart will remember its
STOP		last setting when you stop, and travel at that speed
		automatically when you start again, except when you change
		the speed knob position.
	Power On/Off	Button controls the caddy's power supply. Press for 2 seconds in
		order to switch the caddy ON or OFF (similar to a mobile phone
(\mathbf{O})		operation). After you connected your battery, you need to press
		ON, and the battery LED will illuminate. Now your caddy is
		ready for operation!

3.2 R5 Digital Manual Handle Control (Digital Version)



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Symbol	Function	Description
Н	Battery Power	High battery power (Green)
MID	Battery Power	Mid battery power (Yellow)
LOW	Battery Power	Low battery power (Red)
10M	SPITZER Auto Run	When your press 10M, the trolley will run 10 Meters and stop
	Mode	by itself.
2011	SPITZER Auto Run	When your press 20M, the trolley will run 20 Meters and stop
ZOW	Mode	by itself.
30M	SPITZER Auto Run	When your press 30M, the trolley will run 30 Meters and stop by
30W	Mode	by itself.
	Advance and	Easy scrolling with the speed knob wheel lets you choose your
	Braking Function	preferred speeds to suit your pace perfectly;
		The one press stop/go (power brake) function means your cart
GO		will always proceed at the speed you've selected.
		Select the speed to match your pace. The cart will remember its
STOP		last setting when you stop, and travel at that speed
		automatically when you start again, except when you change
		the speed knob position.
	Speed Control	If you feel the speed too fact you can prose this button to make
	(Increase)	If you feel the speed too fast, you can press this button to make the speed of the trolley much speed up to match the pace at
(+)	(IIICIease)	which you desire. The speed selection is displayed in the LED
		readout.
	Speed Control	If you feel the speed is too slow, you can press this button to
	(Decrease)	make the speed of the trolley slow down to match the pace at
		which you desire. The speed selection is displayed in the LED
		readout.
	Power On/Off	Button controls the caddy's power supply. Press for 2 seconds in
		order to switch the caddy ON or OFF (similar to a mobile phone
		operation). After you connected your battery, you need to press
		ON, and the battery LED will illuminate. Now your caddy is
		ready for operation!
	Speed	Reads out the Speed of the Cart
	Auto Run-Distance	When using the "auto-run" mode, it will read out the remaining
		distance before the cart stops

3.3 Variable Speed Control Knob (all R5 Models)

The manual handle controls also features a Variable Speed Control knob to increase or decrease the speed of the cart when you choose to walk-along the cart.

To speed up the cart when you are walking:

- Turn the knob forward (clockwise) to control the forward movement speed of the caddy.
- The maximum speed of the knob is set when the knob is at the 150° degree position.

To slow down or stop the caddy:

- Turn the knob backwards (counterclockwise) to slow down or stop the caddy (when the knob reaches the 0° degree position.



4.0 Remote Control

4.1 Functions

- A. **Brake**: The red button in the middle of the directional arrows should be used for braking the caddy.
- B. **Timer:** 10, 20, 30, 40 yards, Stop (same as manual control timer function)
- C. **Backward Arrow:** Pressing the back arrow will set the caddy in backward motion. Increase speed by pushing multiple times.
- D. **Forward Arrow:** Pushing the forward arrow will set the caddy in forward motion. Pushing multiple times will increase the speed.
- E. **Left Arrow:** initiates left turns. When the arrows are released the caddy stops turning and continues straight with the original speed prior to turning.
- F. Right Arrow: same as left arrow function



4.2 Important Notes - PLEASE READ CAREFULLY

- It is strongly recommended to operate the caddy at a maximum range not to exceed 50 yards in order to prevent the loss of control of the unit!
- Change the remote control batteries once the indicator LED gets weak
- The remote control uses two 1.5V AAA batteries available in any supermarket, drug store or electronics store
- It is recommended to keep a set of extra batteries ready as replacement
- To change the batteries open up the battery compartment cover and place the batteries according to the diagram in the battery compartment
- The remote control system is designed, so it does not interfere with other electric caddies.
- The maximum range of the remote control varies between 100 yards, depending on the battery charge, obstacles, atmospheric conditions, power lines and the topography of the course.





5.0 Operating Instructions

PLEASE OBEY THESE PRECAUTIONS FOR BATTERY USE & CHARGING

- a) Please do not charge the battery in a sealed container or in upside down position. It is recommended to charge the battery in a well-ventilated area.
- b) Please do not charge the battery near a heater, or where heat accumulation may occur or in direct sunshine.
- c) In order to prolong the service life of the battery, please avoid complete discharge and charge the battery after every use. When the trolley is not in use for an extended period of time, it is recommended to charge the battery once a month.
- d) The battery's poles red color stands for positive, and the black for negative. In case
 of battery replacement please reconnect the poles of the battery correctly.
 Otherwise your caddy could suffer severe damage.
- e) **EXPLOSION HAZARD!** Please do not disassemble the battery or throw it into a fire.
- f) SAFETY HAZARD! NEVER TOUCH THE ELECTRIC POLES OF THE BATTERY!!

5.1 Battery Charging & Maintenance

Connect the battery cable plug with the charger and then plug the charger into an electrical outlet. During the charging cycle the LED on the charger will show a blinking green light (some models also have a red steady light during charging). Once the charging cycle is complete the blinking green light or the red light will turn into a steady green light. It is now suitable to unplug the charger and battery for use. The charging cycle can last up to 8 hours depending on the level of discharge.

Normally the battery will hold its charge for several months, and it does not have a "memory effect" and therefore can be recharged at any discharge level. It is not recommended to fully discharge the batteries, as this will shorten battery life. The battery has a normal lifespan of 200-300 charges, depending on charging frequency, storage conditions and discharge history. Before storing a battery for extended periods of time you must fully charge it. DO NOT store an empty battery or else it might become unusable. Replacement batteries are available from your authorized SPITZER dealer or directly from SPITZER.

RECOMMENDATIONS FOR BATTERY CHARGING & MAINTENANCE

- a. Fully charge the battery for 8 hours before the first use
- b. Do not leave the battery on the charger if it is not used for extended periods of time. It is not recommended to leave the charger on the battery for more than 12 hours.
- c. The battery will take approximately 2-3 rounds and charging cycles before it reaches its full operating potential. During the first couple of rounds it might still be below its optimal power.
- d. Always keep your battery fully charged before another game
- e. Never keep your battery connected to the grid during prolonged power outages. It might be irreversibly damaged
- f. Do not fully discharge the battery by "overplaying" it. It is recommended to recharge the battery after every 18 holes.

6.0 Caddy Self-Test (IMPORTANT)!

Please review or follow these steps and guidelines to test your caddy prior to use every time.

Test caddy power supply by turning **On/Off** switch to **On** position ("I") (Off is "O"). All control lights (red, yellow, green) should come on and the caddy should be operable by both the manual control on the handle and the remote controls. **Note:** Familiarize yourself with the handle and remote control functions **BEFORE** you start operating the caddy. **NOW: Please read and follow the OPERATING INSTRUCTIONS BEFORE you operate the caddy**.

6.1 Non-Moving Test (Initial Test)

Before actually using the SPITZER cart for the first time, it is recommended you operate the golf cart elevated at the drive wheels to familiarize yourself with how the cart works for both remote and handle control functions. Elevate your cart with a paint can or a similar sized and strength item allowing your cart's drive wheels to freely move without touching the ground. The pictures below illustrate an example of how the cart can be elevated for this test. Follow the steps in Section 7.2 with the cart elevated in this manner.



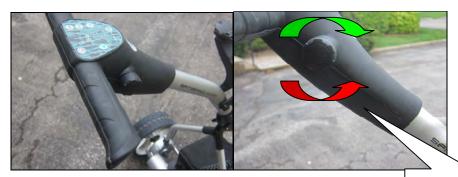
6.2 Moving Test (Prior to each use)

Make sure this test is performed with the caddy in a wide and safe area, free of obstructions or valuables, such as people, parked automobiles, flowing traffic, furniture or water bodies (rivers, swimming pools etc.), steep hills, cliffs or similar hazards.

a. Manual Control Operation

Test the manual function first:

- (i) The manual functions of the caddy are controlled through the variable speed control knob on the right side of the handle. Ensure the variable speed control knob is at its "0" position. To verify, the knob should be turned counterclockwise until it stops.
- (ii) Turn the main switch to "On" (I) position.
- (iii) Turning the knob forward (clockwise) will increase the forward movement speed of the caddy.
- (iv) To slow down or stop the caddy, turn the knob backwards (counterclockwise).



Turn knob counter clockwise (backwards) to decrease speed.

b. Remote Control Operation

Make sure you are close to the caddy at all times while testing it and familiarizing yourself with the remote control!!! Now turn on the main power switch ("I"), and make sure that the rheostat control knob is in "0" position. One touch of the Forward/Backward arrows on the remote control starts the caddy in either direction. Further pushes increase the speed. In order to stop the caddy press round red STOP button in the middle of the remote!! To turn the caddy in either direction, push the left or right arrows briefly. Once you release the button the caddy will continue in the current direction at the same speed prior to the turning command. You will notice that the caddy reacts promptly to any turning command, so it will take you some practice to get just the right touch for turning maneuvers. Please be aware that the turning characteristics will change depending on the surface (grass, asphalt), the slope or the weight (loaded, unloaded) of your caddy.

The remote is designed to have a reach of approximately 100 yards, but we **strongly recommend** to operate the caddy in closer ranges of 10-30 yards (not exceeding 50 yards) to be able to react to any unforeseen events, such as other golfers crossing your path or to avoid hidden obstructions (creeks, bunkers, GUR, etc.) or an unexpected disconnection in remote operation. An additional safety feature of this caddy is that it will stop moving if it does not receive a signal from the remote control at least every 25-30 seconds. This way, should you ever be distracted, your caddy does not get away.

6.3 Recommendations for Efficient and Safe Operation

- Be alert and act responsibly at all times while operating your caddy, just as you
 would when operating a riding cart, motor vehicle or any other type of machinery.
 We absolutely do not recommend the consumption of alcohol or any other
 impairing substances while operating our caddies.
- Do not operate the caddy with the remote control in narrow or dangerous spaces, places with valuables or any people gathering areas, such as parking lots, close to flowing traffic, bag drop-off areas, stores, driving ranges, putting greens and practice areas, pro shops, restaurants, starter areas and other areas where people or items could be harmed through an error or lack of skill in operation. In such situations the caddy should be best operated with its manual controls or without power. Also, please make sure to always switch off the power ("0") and secure the caddy when you park and leave the unit for any reason, either on or off course.
- With its optimized balance and straight front wheel the caddy has extraordinarily narrow and responsive turning and maneuvering abilities. However, it sometimes tends to react to severe uneven weight distribution of its load or steep slope variations and follows the slope of the golf course. Therefore, please make sure the weight in your bag is distributed evenly (move heavy balls and items to both sides, or shift the bag on the caddy). Also, when operating your caddy by remote control anticipate the slope of the course in order to avoid frequent corrections in directions. In some extreme environments, such as very uneven terrain, steep hills, narrow and/or sloped cart paths, muddy areas, gravel paths, close to bunkers and hazard, around bushes and trees it is recommended to operate the caddy via manual control in order to prevent any collisions, damage or the need for complicated correction adjustment maneuvers.

7.0 Additional Functions

7.1 Free-Wheel Mode

The caddy can be operated without power. In order to activate the free wheel mode turn the main power switch into "Off" (0) position. The caddy now can be pushed manually without resistance from the drive shaft. The freewheeling mode on some models can also be activated by pulling out both rear wheels by an inch (2cm) and relocking them back into the second axle groove. Some models are equipped with both options.

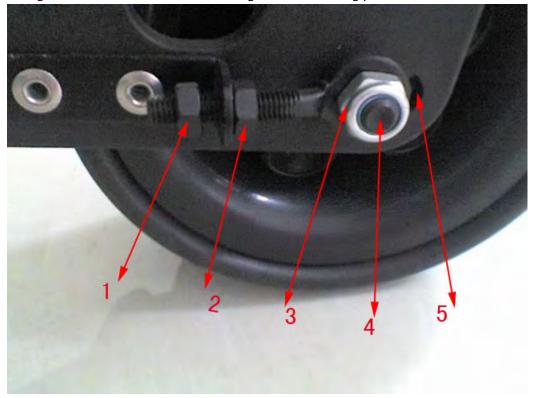


7.2 Controller/Remote Frequency Adjustment

The cart comes with two remote controls. Only one remote will work at a time. To synchronize your remote, turn the main switch to ON position and press and hold the forward for 6-10 seconds. The cart will move forwards once it synchronizes the remote and controller. Your new remote control should now be tuned to your caddy.

7.3 Tracking Adjustment

You can adjust the tracking of your caddy by loosening the axle and the adjustment bar on the right side of the front wheel and shifting the axle accordingly.



- Loosen the nuts (#3 in diagram) on the front wheel and align it. Keep the nuts (#1 and #2) on the alignment bar un-tightened.
- When the front wheel is loose, you can adjust it left or right.
- When the wheel is aligned, tighten the nut (#3) on the axle (but still keep the alignment bar's nuts loose.
- Test the cart to make sure it goes straight on an asphalt/cement flat road or pathway. If it does not, re-adjust the front wheel.
- ONLY AFTER when the cart is going straight, do you start tightening the nuts (#1 and #2) on the alignment bar. It does not need to be tight as its only purpose is to prevent the wheel from going back and forth.

7.4 Installation of Seat (Optional)

Attach and fasten holding bar to pre-drilled holes in frame using the locking pin.



a. Attach stand to seat bottom using the four small screws. Attach in such manner that the seat points parallel to the driving direction of the caddy with the opening to the outside, once you slide it into the holding bar.



b. Slide seat stand into holding bar by pulling on the foot.





8.0 General Maintenance

The steps below will ensure that you get a prolonged and reliable life out of your SPITZER R5.

- 1) The Caddy has been designed so that the user can concentrate on playing golf, while the caddy does the work of carrying your bag. In order to keep your SPITZER R5 looking at its best, we advise that you wipe any mud or grass from the frame, wheels and chassis after every round with a damp cloth or paper towel.
- 2) Do **NOT** use hoses or any high-pressure jet washers to prevent moisture entering the electronic systems, motors or gear boxes of the caddy.
- 3) Remove the rear wheels every few weeks and remove any debris that might cause the wheels to drag. You might also apply some lubricant, such WD-40 to keep moving parts smooth and corrosion free.
- 4) A four five hour round of golf played once a week for 12 months is equivalent to four years use of a lawnmower, so please inspect your cart at least once a year thoroughly, and if you notice any symptoms of wear, contact your SPITZER Service Center. Alternatively, you can have your caddy inspected and tuned by our Service Center, so it's always in great shape for the new season.
- 5) Always disconnect the battery when you store the caddy, and always put your caddy together before re-connecting the battery. If you are not planning to play for at least a month, store the battery in a warm and dry place (not on concrete floor).

All of these recommendations will help keep your SPITZER R5 in top condition and ensure that it remains your reliable partner, both on and off the links.

9.0 Electronic Systems

- **Remote Control Range**: We recommend not to exceed 50 yards distance. The greater the distance between you and caddy, the greater the chance of losing contact with it
- **Microcomputer**: The remote caddy has 3 microcomputer controls: The first is in main controller box. The second is in the remote control transmitter handset, and the third is in the receiver in the handle.
- **Safety Protection**: When the temperature of the controller box reaches its upper limit in case of an overload it will automatically shut down to cool off.
- Microprocessor Controlled Electronics System: When you connect the battery, the
 electronics system will automatically run through a start-up routine. Then you can
 press the main OFF/ON switch on the handle. The battery charge indicator lights will
 show you the charge level of the battery from green (fully charged) to red
 (discharged).
- Important: The electronics controller box contains no user serviceable parts. Therefore, it is sealed to reduce the risk of moisture entering and impacting the electronic system. Breaking this seal increases the risk of damaging the electronics and decreasing the reliability of your caddy. DO NOT attempt to open the controller case. Doing so will void the warranty!
- **Battery Operation and Care**: Follow battery charge and maintenance instructions. The battery comes with leads and connector and a 35 Ampere fuse.

10.0 Technical Specifications R5 - Digital

Feature	Specification
Speed Control	 Remote Control (range up to 100 Yards) and Manual Function: Forward & Backward Timed forward advance function: 10, 20, 30
Motor	Power: 2 x 200 Watt (400 Watt)12 V DC Electric
Drive Train	Rear Wheel Drive, Steel Gear (17:1 ratio)Dual independent transmission
Battery	Power: 12VAverage Charge Time: 4-8 HoursLifetime: >200 charges
Charger	• Input: 100/240V AC • Output: 12V/3A DC Trickle Charger
Weight	 Net Weight Caddy: 31 Lbs (13kg) Net Weight Battery: 27 Lbs (12 kg) Total Net Weight: 58 Lbs (25 kg)
Speed	• 5.4 m/h (8.6 km/h)
Distance/Range	• 36 Holes
Maximum Load	• 55 Lbs (20kg)
Climbing Ability	• 35 degrees
Dimensions	Full Folded • Length 41" 34" • Width 24" 24" • Height 37" 12"
Rear Wheels	Airless stabilizing wheel
Front Wheels	Airless, rubberized tread
Materials	Frame: AluminumBag Support: ABS, Nylon
Colors	Painted: Black, SilverOxidized: Stainless Steel, Black

Additional Accessories	 Cup Holder Seat Umbrella Holder Carrying Bag Rain Cover Scorecard Holder
Warranty	• 1 Year on Parts
Packaging	 Type: Cardboard Box, Styrofoam or Cardboard Cushioning Dimensions: 34 x 24" x 13" (88 x 60 x 31 cm) Gross Weight: (28 kg)

11.0 Frequently Asked Questions (FAQ)

1. **Question**: I lost my remote control handset. What shall I do?

Reply: You can purchase a new remote handset from www.spitzergolf.com. After you receive your new remote control, please connect the battery to the trolley. Turn the main switch to ON position and press and hold the forward for 6-10 seconds. The cart will move forwards once it synchronizes the remote and controller. Your new remote control should now be tuned to your caddy.



2. **Question**: When I connect the battery plug to the caddy and turn the main switch on, the battery indicator lights do not come on.

Reply: a) Inspect if the fuse in the battery case is still good, and if the battery leads are well connected to the battery.

- b) Open the back of the handle with a screwdriver. Make sure the handle line plug is in the right position on the handle electronic board. It will happen when the line of the caddy is not connected in right the position.
- 3. **Question**: The caddy's main switch is on, and all battery indicator lights are on, but the caddy does not run or one motor does not run.

Reply: Please check the motor connectors on the controller box and if connector pins are in the correct position.

4. **Question**: The manual control function works, but the remote control does not? **Reply**: Please confirm that the rheostat speed knob is in Off "0" or Stop position. Also check the batteries in your remote control handset. If it still does not work open up the remote control and check the connection.



5. Question: The caddy does not respond well to the remote control handset? **Reply**: Please check the condition of the handset batteries. Make sure you don't exceed the range distance limit.

6. **Question**: The trolley stops by itself.

Reply: Please check the battery charge. Also the controller box has a shut-down function, if the battery is too low or the controller is overheating or the caddy does not receive a signal for a while.

7. **Question**: The caddy tracks to one side.

Reply: Please make sure that the weight distribution of your golf bag is balanced on the caddy. To adjust the tracking loosen the axle screw of the front wheel on the right side, and adjust the wheel position accordingly. Tighten the axle screw after the adjustment to make sure the front wheel stays in the desired position.

SUPPORT INFORMATION

FOR ANY FURTHER INFORMATION OR SUPPORT ISSUES, PLEASE CALL
SPITZER GOLF AT 1-800-814-6536 OR EMAILS WILL BE PROMPTLY
RESPONDED TO AT <u>SUPPORT@SPITZERPRODUCTS.COM</u>