

# OWNER'S MANUAL

**Read Instructions Before Using Your New Solar Go Kart**



# **NOTICE!**

**Before using your new Solar Go Kart the first time,  
Charge the battery a minimum of 8 hours**

**Always recharge the battery before the power indicator shows no power.**

**Failure to follow these instructions nullifies any warranty, whether stated or implied.**

## **Before operating your Solar Go Kart**



This product does not conform to Federal Motor Vehicles Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this vehicle.

This product is not designed to be jumped. If jumped, even from the curb, the Solar Go Kart Frame could break causing serious injury or death. If jumped, the warranty is void.

Do not operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

It is recommended that the rider wear leather gloves, kneepads and leather boots. Always wear a DOT approved helmet.

Never carry passengers on your Solar Go Kart.

Do not ride without the safety identification flag. The flag is a safety equipment for other drivers/other people to see you.

Minimum age is 12 years. Recommended age is 16 years.

Weight Limit 150 lbs

Check your state and local laws governing the use of motorized vehicles in your area.

Failure to follow these operation instructions can result in serious injury or death.

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**CHARGING THE SOLAR GO KART BATTERY**

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1. To avoid damage to the battery when charging, use only the charger provided with your Solar Go Cart. Go Kart should be off when charging.
2. Plug the supplied 24V battery charger into a 110V AC power source. Use only 110V AC outlet when charging the Solar Go Kart battery.
3. The CHARGER INDICATOR LIGHT will illuminate confirming that power is connected.
4. Plug the POWER INPUT CORD to the charging port on your Solar Go Kart, located on steering column.
5. When the battery is fully charged, Indicator Light will turn Green.
6. Disconnect the Input Cord from the Charging Port.
7. Disconnect the charger from the 110V power source.
8. Never leave the battery charger connected to the 110V power source when not charging the battery. This will shorten the life of the charger.
9. When storing your Solar Go Kart, the battery should be charged monthly.



**Warning!**

**FAILURE TO KEEP THE SOLAR GO KART BATTERY CHARGED WILL CAUSE  
TOTAL BATTERY FAILURE. DO NOT ALLOW BATTERY TO FULLY DISCHARGE.**

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**BATTERY DISPOSAL**

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When maintained properly, the Lead Acid Battery in this product has a normal life of many years. When the battery expires, it should be removed from the Solar Go Cart and recycled. Please contact your local solid waste authority for recycling information in your area.

**NOTICE: AFTER REMOVAL. COVER BATTERY TERMINALS WITH ELECTRICAL TAPE TO PREVENT SPARK HAZARD FROM SHORTING OF THE TERMINALS.**

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**GO KART SPECIFICATIONS**

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SPECIFICATIONS	
Maximum Speed	12 MPH
Minimum Distance	18 Miles
Recharge Time	8 Hours
Load Capacity	150 lbs
Tires	9" Pneumatic
Dimensions	47.2 x 32.7 x 20.9in
Motor	350W
Transmission	Chain Drive
Battery	12V 16Ahx2
Ignition	On/Off Toggle Switch

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1. Rear Brake
  2. Steering/ Handle Bar
  3. Throttle
  4. On/Off Switch
  5. Bucket Seat
  6. Solar Panel
  7. Battery
  8. Motor



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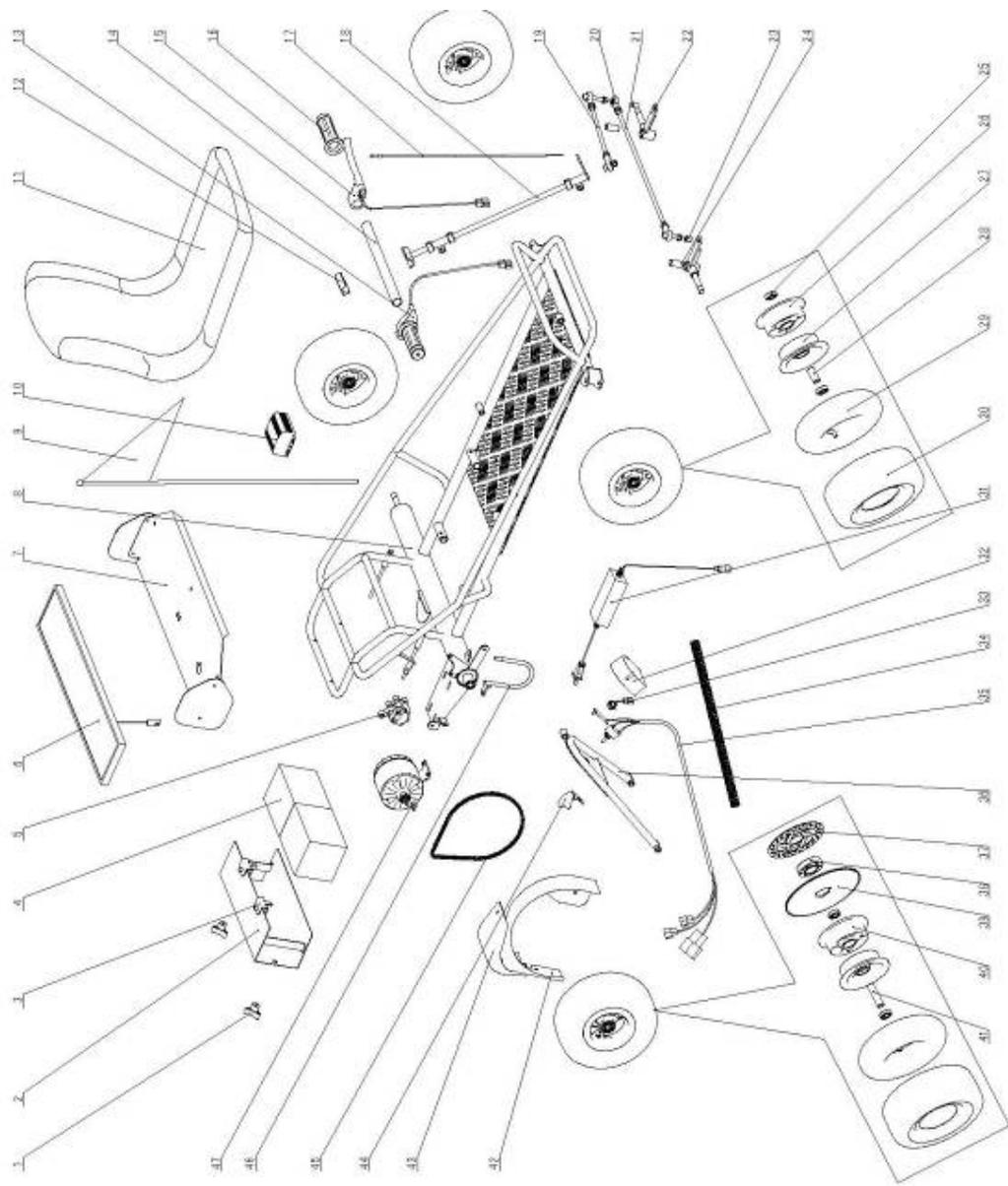
#### MAINTENANCE AND INSPECTION

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1. Check brake and throttle cables before each use to insure proper adjustment. Check to ensure that brake and throttle cables are flexible and that the inner cable moves freely within the outer sleeve. Check end of cable to be sure that they are tightly secured to the terminal connections.
2. Check brake pads weekly for wear or damage. Replace immediately at first sign of wear or damage.
3. Check tires pressure as noted on side walls and inspect tires for tread wear
4. Lubricate wheel bearings regularly.
5. It is recommended that you use Lock tight on screws to prevent them from coming loose due to motor vibration.

## PARTS LIST

1	Battery box assembly bolt	24	Steering knuckle sleeve
2	Battery box	25	Bearing 6001
3	Battery fixed block	26	Inside front rim
4	Battery	27	Outside front rim
5	Brake Housing	28	Front tire sleeve
6	Solar panel	29	Inner tire tube
7	Solar wing	30	Tire
8	Frame	31	Charger
9	Flag <with mast>	32	Electrical box
10	Controller	33	Charging plug
11	Seat	34	Wire sleeve
12	Handle bar fixed block	35	Wire
13	Throttle	36	Handle Bar support
14	Handle bar	37	Brake disc
15	Brake lever	38	Disc holder
16	Left sleeve	39	Sprocket
17	Brake wire	40	Inside rear rim
18	Handle Bar column	41	Rear tire sleeve
19	Short rod	42	Chain cover
20	Rod bearing	43	Motor Guard
21	Long rod	44	Switch cover
22	Steering knuckle	45	Chain
23	Rod sleeve	46	Chain Guard
		47	Motor



**TROUBLESHOOTING**

Number	Problem	Possible Cause	Solution
1	The Go Kart motor does not operate.	<ol style="list-style-type: none"> <li>1. Power switch is off.</li> <li>2. Fuse has burned out.</li> <li>3. Battery is undercharged or drained.</li> </ol>	Check and/or replace with 20 amp fuse. Charge or replace the battery
2	The speed control is out of order or the adjustable speed is lower than rated.	<ol style="list-style-type: none"> <li>1. Battery is undercharged.</li> <li>2. Check the throttle cable.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fully charge the battery.</li> <li>2. Tighten throttle cable.</li> </ol>
3	The electric motor stops functioning.	<ol style="list-style-type: none"> <li>1. The battery wire is loose.</li> <li>2. Fuse is burned out.</li> <li>3. Lead wire of the battery is broken.</li> </ol>	Repair and reconnect; Replace the blown fuse. Reconnect.
4	The driving distance is less than the rated distance.	<ol style="list-style-type: none"> <li>1. Tires have resistance.</li> <li>2. Failure of the charger.</li> <li>3. Failure of the controller.</li> <li>4. The battery is aged or damaged.</li> <li>5. Other factors, low temperature, heavy wind, the condition of the road surface, overweight or overuse of brake.</li> </ol>	Lubricate wheels. Repair the charger. Change the controller. Change the battery.
5	The battery does not hold charge.	<ol style="list-style-type: none"> <li>1. The charging socket is loose.</li> <li>2. Fuse is burned out.</li> <li>3. The lead wire of the battery has poor connection.</li> </ol>	Tighten the connection socket. Change the blown fuse. Reconnect.

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## SAFETY

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This product should not be used by pregnant women, persons impaired vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities

Operators Only! - No passengers

This product should not be used by minors without adult supervision

This product should not be used by persons unwilling or unable to take responsibility for their own actions.

The user of this product assumes ALL risks associated with its use.

High speed jumps and trick maneuvers may result in loss of control, accidents, serious injury or death.

 This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

 Read and follow all instructions in this Owner's/Operator's manual, any accompanying supplements before attempting to operate this Go Kart.

 **WARNING:** Indicates a potential hazard which could result in severe personal injury or death.

 **CAUTION:** Indicates a potential hazard may result in severe personal injury or damage to the vehicle

**NOTE:** Use the word "NOTE" will alert you to key information or instructions.

### Important Rules for Safe Operation

 **WARNING:** NEVER operate / charge this Go Kart indoor or in an enclosed area without adequate ventilation.

 **WARNING:** This Go Kart is not licensable. DO NOT operate it on any public road, street, highway, sidewalk or alley.

- This Go Kart may be operated only on private property and areas approved by local law.

 **WARNING:** This Go Kart may have been supplied to you completely assembled. To prevent possible injury or death read and follow the assembly instructions to make sure the Go Kart was assembled properly.

 **WARNING:** Always perform Daily Pre-Ride inspections as outlined in this manual.

 **WARNING:** Check tire pressure before each use.

Prior to operating the Go Kart check and adjust tire pressure to the proper operating pressure as indicated on the sidewall of each tire. A tire pressure gauge is required to obtain accurate readings.

 **WARNING:** Go Kart modification or removal of original equipment or safety decals can render the vehicle unsafe for operation.

 **WARNING:** Safety decals must be replaced if they become unreadable or detached from the Go-Kart.

- If decals are unreadable or missing, warning of potential hazards or safety requirements may be lacking.

 **WARNING:** This Solar Go Kart is not designed or intended for stunt riding, spinouts, donuts, racing, or any form of competition.

 **WARNING: This Go Kart is not designed to be used on rental tracks of any kind.**

 **WARNING: The safe operation of this Go Kart is dependent upon the operator's ability to exercise proper judgment.**

- Operator must not be too small or too large for controlled operation.
- Operator must be of sufficient age, understanding, mental capacity and physical capability to safely operate this Go Kart
- Go Kart should only be operated after understanding instructions and sufficient practice in an uncongested area.

 **WARNING: Operator of this Go Kart MUST always wear a properly fitting Safety Helmet approved by agencies such as the Department of transportation (DOT).**

- Most accident fatalities are due to head injuries.
- Operator should also wear helmet, boots, gloves and other appropriate protective clothing

 **WARNING: Long hair, loose clothes, or jewelry can get caught in moving parts below and behind the seat or surrounding environment.**

- Remove or the back anything loose that can reach below and behind the seat before riding.

 **WARNING: NEVER place hands, feet, any body parts or clothing near the wheels, chain and other rotating parts of the Go Kart while riding.**

- Use caution in performing required maintenance on or near motor.
- Use caution after the motor has been running, since the motor and other drive components may be extremely hot.

 **WARNING: All screws, nuts and bolts must be properly tightened to make sure the Go Kart is in safe operating condition.**

**Note:** Over tightening hardware where parts are required to move, such as front wheels, spindles, a-arm pivots, etc, can restrict movement and cause a loss of control and possible injury.

 **WARNING: prevailing-torque-type locknuts must be replaced with new after the old locknuts have been removed.**

Replace with the same type of locknut to make sure they function properly.

 **WARNING: Read and keep all supplied printed material.**

- Supplements to this Operator's Manual contain updated information relative to your specific Go Kart model. It is important to keep all of these documents for reference.
- NEVER store the Go Kart in close proximity to appliances such as hot water heaters or furnaces.

 **CAUTION: NEVER operate Go Kart while under the influence of alcohol, drugs or medication of any kind.**

- Such operation is dangerous to yourself and/or others.

 **CAUTION: If the Go Kart should start making unusual noise or vibrating abnormally, the motor should be switched off and the Battery wire disconnected. The Go Kart should then be checked for damage. Excessive noise or vibration is generally a warning of loose or worn parts.**

 **WARNING: Excessive speed is potentially dangerous to operator.**

 **WARNING: Wet, slippery, rough or sloped terrain is potentially dangerous and may result in injury if proper caution is not observed.**

- ALWAYS SLOW DOWN.
- Operator must use mature judgment, skill and experience in choosing suitable terrain for individual operational capabilities.



**WARNING: ALWAYS SLOW DOWN when turning.**

- High-speed turning can cause loss of control, possible vehicle turn-over and/or possible operator and/or passenger injury.
- Turning on a slope increases the risk of rollover.
- Practice operation is required to coordinate turning skill.
- Failure to operate this Go Kart at a safe speed while turning can result in a strong possibility of severe personal injury.



**WARNING: When turning on pavement, loose gravel, or similar surfaces, there is an increased risk in loss of control.**

- ALWAYS SLOW DOWN!

## Instructions for Safe Use and Maintenance of Go- Kart

1. Go Kart shall not be modified from the manufacturer's original design and configuration.
2. Go Kart shall not be used to perform racing, stunt riding, jumps, spin-outs, donuts or other maneuvers as they may cause loss of control of the Go Kart or may cause uncontrolled operator or Go Kart actions or reactions. As such, these activities are likely to result in possible injury to the operator, bystanders or a combination thereof.
3. Prior to each cycle of operation, a supervisor shall perform the preparation checks specified by the manufacture, and further verify;
  - a. Smooth throttle operation and positive return of the throttle linkage to a closed throttle position when released;
  - b. That the steering linkage is adjusted and operates properly;
  - c. That all guards and pads originally supplied by the manufacturer are in proper place on the Go Kart and in serviceable condition;
  - d. That the area where the Go Kart is operated is safe and suitable for Go Kart operation;
  - f. That the braking system on the Go Kart is functioning properly;
  - g. That all safety labels are in place, legible and understood by the operator.
  - h. That any and all axle guards, chain guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition;
  - i. That tires are in good condition, inflated properly, and have sufficient tread remaining.
  - j. That all fasteners are in place and tightened securely.
4. Go Kart motor shall not be started unless the operator is seated in the proper position for Go Kart operations with the operator's hands on the Handle Bars and the brake fully engaged.
5. Long hair, loose clothes, or jewelry can get caught in moving parts below the seat or surrounding environment, Remove or the back anything loose that can reach below or behind the seat before riding.
6. A supervisor shall verify personally that everyone operating or riding is knowledgeable, capable, and has the cognitive capacity to operate the Go Kart safely, including those items specified in 1 through 5.
  - a. The supervisor only shall allow the use and operation of the Go Kart after a demonstration that each operator can understand and operate all components of the Go Kart prior to use.
  - b. The supervisor shall provide continuous supervision during Go Kart use.
  - c. The supervisor shall not allow anyone to ride in or operate Go Kart with long hair, loose clothes, or jewelry which can get caught in moving parts below the seat or tie back anything loose that can reach below or behind the seat before riding.
8. Solar Go Cart operators shall adhere to all manufacturer's recommendations and instructions, as well as comply with all laws and ordinances.
  - a. Operators shall stay seated with both hands on the Handle Bars and both feet in the Go Kart at all times, whether moving or stationary, unless the Go Kart is stopped completely.
  - b. Shall observe minimum age restrictions :

c. Shall not ride the Go Kart if long hair, loose clothes or jewelry reach below or behind the seat;



**WARNING: Risk of death or serious injury!**

**Long hair, loose clothes, or jewelry can get caught in moving parts below and behind the seat or surrounding environment,**

**Remove or tie back anything loose that can reach below or behind the seat before riding.**

d. Shall not allow smoking in vehicle

e. Persons under the influence of drugs, alcohol, or intoxicants shall not supervise, operate, or ride in a Kart

f. Go kart shall operate only on surface or terrain as recommended by the manufacturer;

g. Go Kart shall not be operated on roads, streets, highways, or at any other location where road vehicle are intended to travel;

9. persons with the following conditions shall not operate a Go Kart

a. Those with heart conditions;

b. Pregnant women

c. Persons with head, back, or neck ailments, or prior surgeries to those areas of the body;

d. Persons with any mental or physical conditions, which may make them susceptible to injury or impair their physical dexterity or mental capacities to recognize, understand, and perform all safety instructions, and be able to assume the hazards inherent in Go Kart use.

10. Vehicle operators always shall use appropriate protective clothing, including but not limited to helmet and eye protection, with appropriate certification, and any other equipment recommended by the manufacturer including gloves, footwear, long sleeve shirts and long pants.

11. No operator or other person shall contact any portion of the wheels, or drive train for any purpose including maintenance until the motor has been turned off, and the Go Kart is in a stable and stationary position.

13. Go Kart components shall be maintained and repaired in accordance with the manufacturer's specifications and utilizing only the manufacturer's authorized replacement parts with installation performed by designated dealer or other skilled persons.

### **LIMITED WARRANTY**

Your Solar Go Cart is warranted to be free of manufacturing defects in material or workmanship for a period of 90 days. During the warranty period **Big Toys USA** will at its option, repair, provide replacement parts or replace your Solar Go Cart at no charge. This warranty does not cover normal wear and tear, or damage caused by neglect, or misuse of the product.

Should you experience a problem or need to return your Solar Go Cart for repair, please consult the dealer  
You will be instructed how to proceed.

### **DO NOT RETURN TO STORE**

**Please fill out the online ticket form located here:**

<http://support.bigtoysusa.com>

Made in China

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