

**YOUTH
ELECTRIC AND GAS GO-KARTS**



POWERSPORTS OWNER'S MANUAL

EV



MODEL: 2 Seat Go Kart (2000W)

READ & UNDERSTAND THIS MANUAL BEFORE RIDING!

Provincial/Municipal government have different regulations pertaining to owning and operating an off-road vehicle, learn the regulations in your area.

To the Owner

Congratulations on your purchase of a 2 Seat Go Kart (2000W). This owners/operators manual will provide you information regarding safe operation, operational instructions, maintenance and care. Fully understanding this manual and following all of the instructions herein will provide the knowledge needed to have safe and enjoyable Go Kart operation.

For questions regarding operation and maintenance of this off-road Go Kart, please contact:

DRIFT HERO USA

Customer Support: 801.872.4156

E-Mail: Service@DriftHeroUSA.com

Safety & Notice to Parents

The recommended age for operating this Go Kart is 13+. Not all teenagers have the strength, size, skill, and judgment needed to operate this vehicle safely.

THIS GO KART IS NOT A TOY AND COULD BE HAZARDOUS TO OPERATE.

A Go Kart handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning, driving on hills and over obstacles.

Reading the Owner's / Operator's Manual

It is important this manual is read from cover to cover carefully by the Go Kart owner and all operators. Parents should review the manual carefully with their children. Never allow anyone to operate the Go Kart without first reading and understanding the owners/operator's manual.

This owners/ operators' manual should be a permanent part of the Go Kart and should remain with the vehicle at all times. The manual should also remain with the vehicle if sold.

To emphasize special important information in the manual, please note the following:



This is the alert symbol. The symbol means **ATTENTION!**, **BECOME ALERT!**

To emphasize important safety information, the word **WARNING**, with the alert symbol, has special meaning:



Indicates a potential hazard that could result in **SEVERE INJURY** or **DEATH** to the operator, bystander or person repairing the go-kart.

To emphasize important information, the word **CAUTION** has special meaning:


CAUTION:

Indicates special precautions that must be taken to avoid damage to the Go Kart.

To emphasize important information, the word **NOTE** has special meaning:

NOTE:

Indicates key information to make procedures easier or clearer to understand.

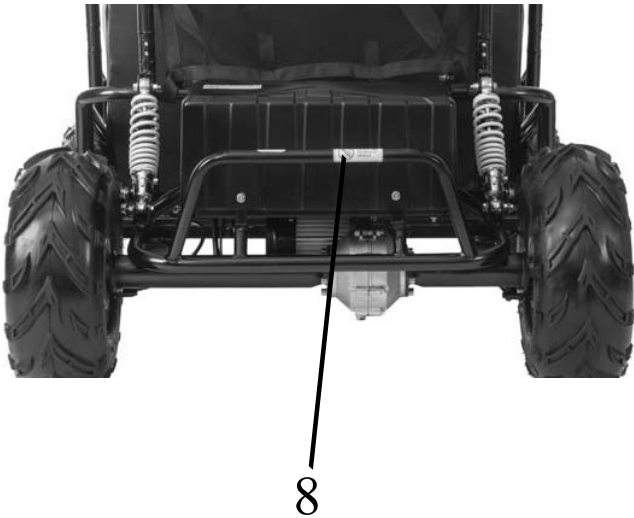
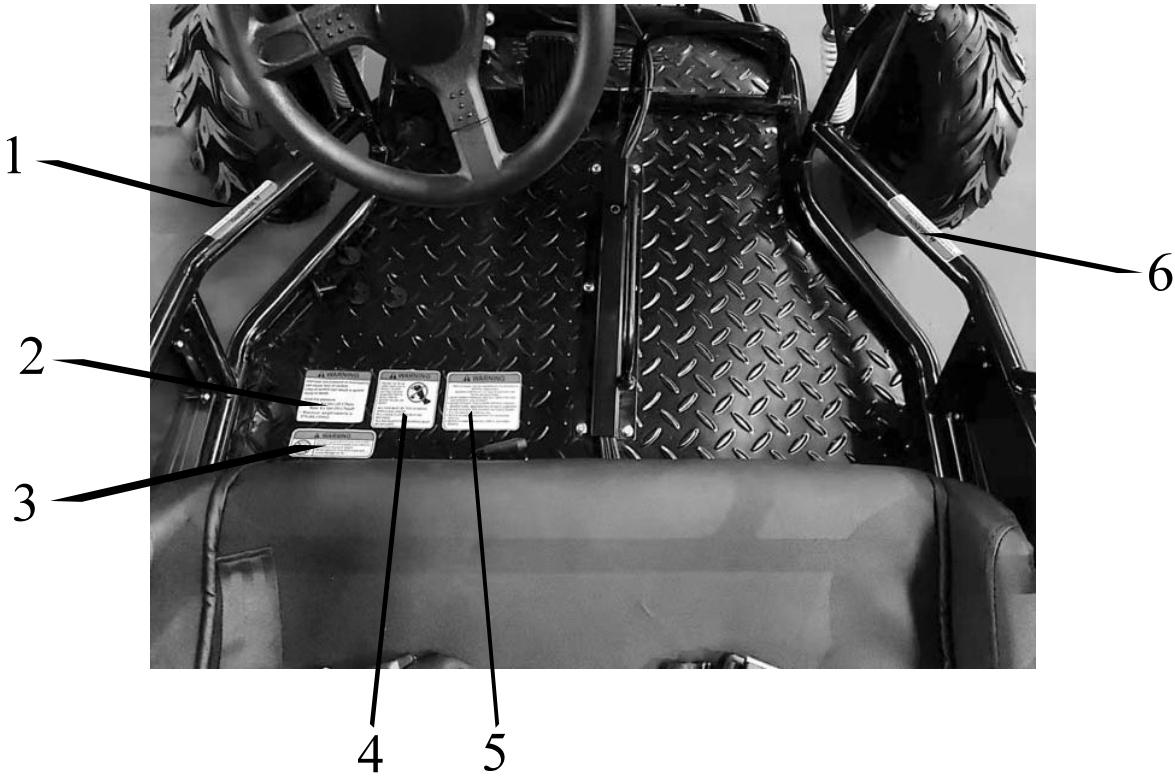
 WARNING OR CAUTION
The first part will identify a POTENTIAL HAZARD .
The second part will describe WHAT COULD HAPPEN if the warning or caution is ignored.
The third part will describe HOW TO AVOID THE HAZARD .

Drift Hero is concerned about the environment and believes in conserving and protecting all-natural resources. For this reason, owners should recycle, trade in, or dispose as appropriate, oil, batteries and tires.

This manual is based on the latest product information available at the time of publication. Drift Hero has a policy of continually improving its products. Due to improvements, or other changes, there may be some discrepancies. we reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to vehicles previously built or sold.


IMPORTANT LABELS

LOCATION



IMPORTANT LABELS

1  **WARNING**
THIS GO-KART IS DESIGNED FOR ONE OPERATOR AND ONE PASSENGER ONLY. PASSENGER SHOULD BE BIG ENOUGH TO BE SAFELY SEATED WITH THE SEAT BELT ATTACHED.

2  **WARNING**
Improper tire pressure or overloading can cause loss of control. Loss of control can result in severe injury or death.

- Cold tire pressure:
Front: 8 ± 1psi (55 ± 7kpa)
Rear: 8 ± 1psi (55 ± 7kpa)
- Maximum weight capacity is 400 lbs. (181.4 kg)

3  **WARNING**

 The recommended minimum age to operate this vehicle is 13. Continual adult supervision is required for riders under 16.

4  **WARNING**

FAILING TO TIE UP LONG HAIR COULD RESULT IN HAIR GETTING CAUGHT IN MOVING PARTS RESULTING IN SEVERE INJURY OR DEATH




ALL HAIR MUST BE TIED UP ABOVE SHOULDER LENGTH.
ALL LOOSE CLOTHING MUST BE SECURED.
ALL NECKLACES AND SCARVES MUST BE SECURED

5  **WARNING**

THIS GO-KART CAN BE HAZARDOUS TO OPERATE IF DRIVEN CARELESSLY. INJURIES CAN RESULT IF YOU DO NOT FOLLOW THESE INSTRUCTIONS:

- READ OWNER'S MANUAL AND ALL LABELS BEFORE YOU OPERATE THIS GO-KART.
- NEVER OPERATE THIS GO-KART WITHOUT PROPER INSTRUCTIONS. Beginners require mature supervision.
- NEVER OPERATE THIS GO-KART ON PUBLIC ROADS. It is intended for off-road use only.
- NEVER OPERATE THIS GO-KART AT EXCESSIVE SPEEDS.
- NEVER ATTEMPT WHEELIES, JUMPS, OR OTHER STUNTS.

6  **WARNING**
ALWAYS WEAR SEAT BELTS WHILE OPERATING OR RIDING AS A PASSENGER IN THIS VEHICLE. KEEP HANDS, ARMS, FEET AND LEGS IN THE VEHICLE AT ALL TIMES.

7  **WARNING**
Overloading can cause loss of control. Maximum weight capacity of cargo rack: 22lbs. (10kg)

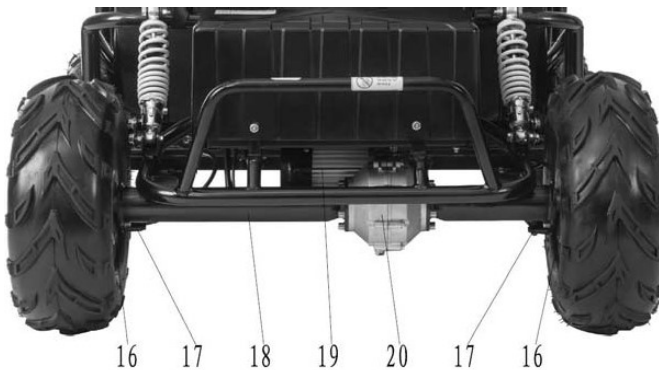
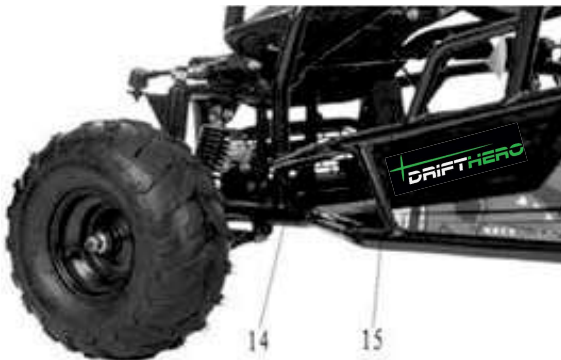
8  **WARNING**

 DO NOT RIDE ON BACK OF VEHICLE

SAFETY

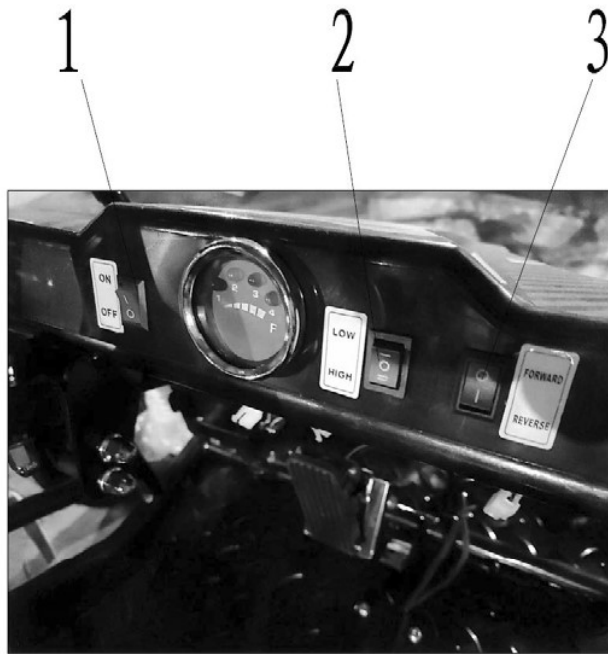
1. Always read and understand the owner's/operator's manual and warnings before starting the Go Kart for the first time
2. This Go Kart should only be assembled by someone who has the knowledge, ability and skills to read and understand mechanical instructions.
3. Use caution when providing maintenance on this Go Kart. Make sure engine is turned off and all components are cool. Never attempt to make any adjustments while engine is running.
4. Do not modify this Go Kart in any way, modifications could make the Go-Kart unsafe and/or in violation of Federal and State laws.
5. This Go Kart is recommended for riders 16 and older.
6. Always wear a certified DOT motorcycle or ATV helmet that fits properly.
7. This Go Kart is designed for one operator and one passengers.
8. Always wear seat belt provided. Make sure seat belts fit properly before starting the Go Kart.
9. Never operate this Go Kart on paved surfaces and/or public roads. Pavement may cause the Go Kart to become unstable.
10. The head bar in back of the operator is not intended to provide rollover protection. Before each use, make sure all tubes are securely in place and bolts are tight.
11. Never operate Go Kart with long hair, loose jewelry or loose clothing that could get caught moving parts.
12. Always go slow on unfamiliar terrain. Be alert to changing terrain conditions when operating the Go Kart.
13. Never take drugs or alcohol before or during operation of this Go Kart.
14. Never attempt jumps or any other type of stunts while operating this Go Kart.
15. Always follow the pre-ride inspection procedures and maintenance procedures located in this manual before use.
16. Always go slow on terrain that is not familiar, be alert, an obstacle could come up unexpectedly.
17. Always keep hands, arms, legs and feet inside the Go Kart at all times.
18. Never operate Go Kart in water that is deeper than 2 inches. Do not operate in fast flowing water. Water can affect braking performance of the Go Kart. Check braking performance after exposure to water, it may be necessary to apply the brakes allowing friction to dry out the pads.

PART DESCRIPTIONS AND LOCATIONS



1. Front Tire Assembly
2. Front Cover
3. Steering Wheel
4. Protective Sheath
5. Rear Protective Net
6. Storage Rack
7. Seat
8. Battery Cover
9. Rear Tire Assembly
10. Rear Shock
11. Seat Belts
12. Front Shock
13. Brake Fluid Reservoir
14. Brake Pedal
15. Accelerator Pedal
16. Brake Disc
17. Brake Caliper
18. Rear Axle Assembly
19. Rear Axle Motor
20. Rear Axle Differential

PART DESCRIPTIONS AND FUNCTIONS

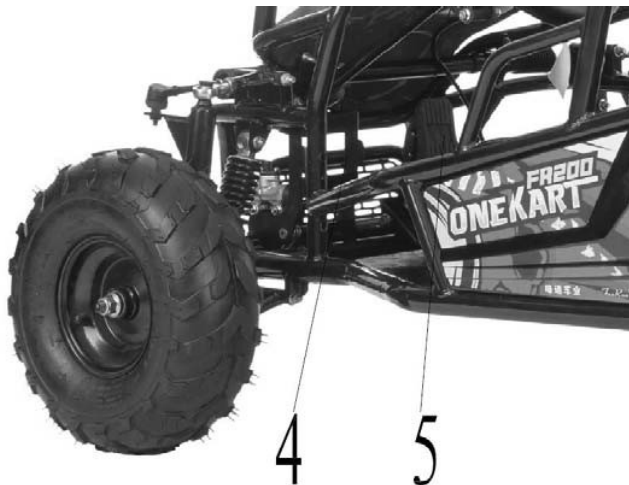


1 - Main Switch: When the Main Switch is placed in the (ON) position the motor can run.

Note - Please keep the main switch in the (OFF) position when you leave the vehicle, park or stop.

2 - Gear Switch: When the Gear Switch is placed in the (High) position the vehicle can reach the top speed. When the Gear Switch is placed in the (Middle) position the vehicle will go half speed. When the Gear switch is placed in the (Low) position the vehicle will go quarter speed.

3 - Forward or Reverse Switch: When the Forward or Reverse Switch is placed in the (Forward) position the vehicle will go Forward. When the switch is placed in the (Reverse) position the vehicle will go Reverse.



4 - Brake Pedal: Pressing the brake pedal will stop the Go Kart.

Note - Always check brakes before operation .

5- Accelerator Pedal: Pressing Accelerator Pedal will increase motor RPM's causing Go Kart to move forward or reverse.

PART DESCRIPTION AND FUNCTIONS



1 - Charging Port

To connect the power plug from the controller or charge plug.

1



2 - Battery Charger

Input: AC100-240AC~50/60Hz

Max: 2.5A

Output: DC72.0V-3.0A (Max)

Warning: The Charger is for indoor use only. Risk for electric shock - please do not open the charger.

2

PART DESCRIPTION AND FUNCTIONS

⚠ WARNING

Failure to have the seat locked in position could be hazardous.

The seat coming loose could cause the operator to lose control.

Never operate the Go Kart without the seat locked in place.

SEAT ADJUSTMENT



1

1 - Seat Adjustment

The seat latch is located under the driver side seat. To access, look under the front of the driver side seat. Pull the seat latch down to move the seat forward or backward.

Note - Before operating the Go Kart make sure the seats are bolted in properly and that the seat latch is locked in place in desired position.

PRE-RIDE INSPECTION

Inspecting and checking the condition of the Go Kart before each ride is important. Following the pre-ride check list will help insure the you do not have mechanical problems which could result in injury or becoming stranded. Make sure the Go Kart is in good operating condition before each ride.

⚠ WARNING

Failing to inspect and maintain your Go Kart could be hazardous.

Not following the pre-ride inspection procedures could result in loosing control of the Go Kart resulting in an accident or damage to the Go Kart.

Always perform a Pre-ride inspection before operating.

⚠ WARNING

Performing maintenance and checks while the engine is running could be hazardous. You could be severely injured by moving parts or hot surfaces.

Never perform maintenance or check procedures while the engine is running with the exception of checking the main switch or Accelerator pedal.

WHAT TO CHECK	CHECK FOR
Steering	<ul style="list-style-type: none"> • Smoothness • No restriction of movement
Brakes	<ul style="list-style-type: none"> • Correct fluid level • Inspect hoses for leaks • Inspect brake pads for wear.
Tires	<ul style="list-style-type: none"> • Proper tire pressure • Proper tread depth
Battery	<ul style="list-style-type: none"> • Enough power for the ride • Secured wires
Accelerator pedal	<ul style="list-style-type: none"> • Operates freely
Main Switch	<ul style="list-style-type: none"> • Can power on and off by switch
General Condition	<ul style="list-style-type: none"> • All nuts and bolts are tight • No rattles from engine or frame

OPERATING THE GO KART

WARNING

Carrying more than one passenger on this Go Kart could be hazardous.

Carrying more than one passenger could cause loss of control resulting in severe injury or death to the operator and/or passengers.

This Go Kart is designed for one operator and one passenger. Never allow more than one passenger.

WARNING

Operating this Go Kart in a irresponsible manner which includes jumping or other stunts could be hazardous.

Jumping or other stunts could result in loss of control of the Go Kart resulting in severe injury or death.

Never attempt stunts, such as jumping.

WARNING

Operating this Go Kart on paved surfaces could be hazardous.

Operating on paved surfaces, including parking lots, sidewalks, driveways and streets can cause loss of control resulting in severe injury or death. Go Kart tires are designed for off-road use only, paved surfaces adversely affect handling and control.

Avoid operating Go Kart on paved surfaces. If you must cross a paved surface, go slow and do not make sudden turns or stops.

WARNING

Operating a Go Kart on hills could be hazardous.

Operating a Go Kart on a hill could result in rolling over while traversing, flipping over back-wards while climbing, flipping over while descending, general loss of control of the Go Kart.

Any of these accidents on a hill could result in severe injury or death.

Never operate a Go Kart on steep hills.

WARNING

Operating this Go Kart on any public road or highway could be hazardous.

You could collide with another vehicle if you operate on public roads or highways resulting in severe injury or death.

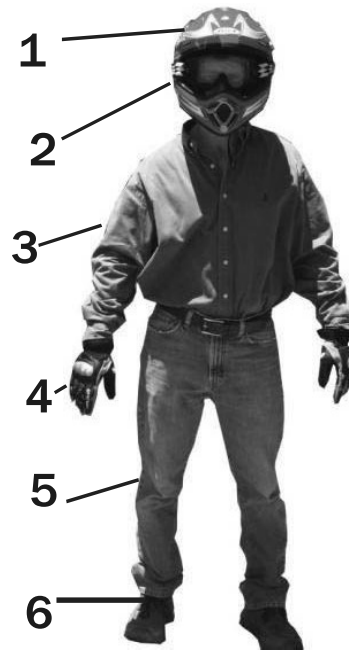
Never operate on public roads or highways.

OPERATING THE GO KART

HELMET, EYE PROTECTION, PROTECTIVE CLOTHING

1 - Always wear a DOT certified helmet. A helmet helps protect against serious head injuries in the event of an accident. A helmet is the most important safety gear item you can wear.

Note: Consult with a motorcycle dealer for the correct size and type of helmet that is right for you.



2 - Always wear eye protection when operating a Go Kart such as a face shield or goggles. While operating a Go Kart you can be hit in the eyes by any of the following: dust, branches, rocks, debris from other operators, bugs, etc. Good eye protection as well as a helmet and protective operating gear should be mandatory when operating a Go Kart.

Wear Protective Clothing:

- 3 - Long Sleeve Shirt
- 4 - Gloves
- 5 - Long Pants
- 6 - Over the Ankle Boots

Operating a Go Kart exposes the operator to many hazards, wearing protective clothing can help protect the operator from injury.

! WARNING

Operating a Go Kart without a helmet, eye protection, and protective clothing can be hazardous.

Operating a Go Kart without a helmet increases the chance of severe head injury or death in the event of an accident.

Operating a Go Kart without eye protection such as a face shield or goggles could result in severe injury in the event of an accident.

Operating a Go Kart without protective clothing; closed toe shoes, long pants, gloves, long sleeve shirt could result in severe injury in the event of an accident.

Always wear a Helmet, eye protection, long pants, long sleeve shirt, over the ankle boots and gloves while operating a Go Kart.

OPERATING THE GO KART

SEAT BELTS

WARNING

Riding in this go kart without the seat belt harness worn and attached properly for both the operator and passenger could be hazardous.

Riding the go kart without the seat belt harness worn by both the operator and passenger increases the chance of injury or death in the event of an accident

Never operate or allow a passenger to ride in the go kart without the seat belt harness worn and attached properly.



1

2

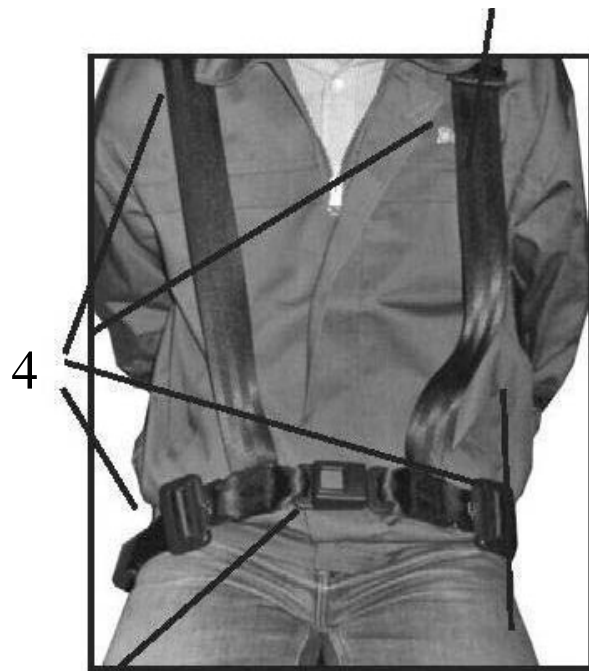
1 - Never start the go kart without the operator and passenger wearing the seat belt harness in the appropriate manner.

2 - To connect the seat belt harness properly sit in the seat and place arms through the shoulder straps on the corresponding side of the harness.

3 - After shoulder strap is in place, buckle the lap belt.

4- Tighten by pulling the loose ends.

Note: If there is no passenger in the passenger seat, make sure the passenger seat belt is latched together and secure.



3

OPERATING THE GO KART

STARTING

1. Place the Main switch , located on the Steering column, in the “ON” position.
2. Place the Forward or Reverse Switch in the “Forward” position.

WARNING

Removing hands from the Steering wheel and/or feet from the seat while operating the Go-Kart could be hazardous.

Removing both or one hand from the Steering wheel and/or feet from the seat could result in loss of control of the Go-Kart resulting in severe injury or death.

Always Operate with both hands on the steering wheel and both feet on the seat while operating the Go-Kart.

WARNING

Operating this Go-Kart at excessive speeds could be hazardous.

Driving at excessive speeds increases your chances of losing control of the Go-Kart, which could result in severe injury or death.

Always go at a speed that is proper for the terrain, visibility, operating conditions, operator skill, and operator experience. Always know the terrain before operating.

WARNING

Applying the Accelerator Pedal to full throttle when starting off could be hazardous.

The Go-Kart could lurch forward causing the front wheels to leave the ground causing loss of control.

Always open the throttle gradually when starting off from a stopped position.

WARNING

Braking while turning could be hazardous.

Braking while turning could cause the Go-Kart to slide out of control or flip over which could result in severe injury or death.

Before making a turn, slow down and release the brake.

OPERATING THE GO KART

STARTING OFF

1. Sit down in the go-kart and fasten seat belt. If riding with a passenger, make sure passenger has seat belt fastened also. If there is no passenger, make sure passenger seat belt is buckled and secured. A loose passenger seat belt could get tangled in moving parts.
2. Apply accelerator gradually to start off. Practice driving the go-kart slowly on a flat dirt surface with no passengers. make sure that there is plenty of room for turning.

WARNING

Removing hands from the steering wheel and or feet from the floorboard while operating the Go.Kart could be hazardous.

Removing both or one hand from the steering wheel and/or feet from the floorboard could result in loss of control of the Go.Kart resulting in severe injury or death.

Always operate with both hands on the steering wheel and both feet on the floorboard while operating the Go-Kart.

WARNING

operating this Go-Kart at excessive speeds could be hazardous.

Driving at excessive speeds increases your chances of losing control of the Go-Kart, which could result in severe injury or death.

Always go at a speed that is proper for the terrain, visibility, operating conditions, operator skill, and operator experience. Always know the terrain before operating.

WARNING

Applying the accelerate pedal to the maximum throttle when starting off could be hazardous.

The Go Kart could lurch forward causing the front wheels to leave the ground causing loss of control.

Always accelerate gradually when starting off from a stopped position.

WARNING

Braking while turning could be hazardous.

Braking while turning could cause the Go-Kart to slide out of control or flip over which could result in severe injury or death.

Before making a turn, slow down and release the brake.

OPERATING THE GO KART

CLIMBING A HILL

1. Stop and evaluate the hill before attempting to climb. Make sure the hill is not too steep, the terrain is not loose or slippery and that there are no obstacles.
2. Approach the hill at a steady speed and maintain speed throughout the climb.
3. when approaching the top of the hill, slow down.

If it is determined that the Go Kart will not make it to the top of the hill.

1. Do not try to turn the Go Kart around while operating and come back down, this could cause the Go Kart to roll over.
2. slowly back the Go Kart down the hill while applying the brakes.

DESCENDING A HILL

To operate the Go Kart going down a hill, follow the instructions below.

1. stop and evaluate the hill before attempting to descend. Make sure the hill is not too steep, the terrain is not loose or slippery and that there are no obstacles.
2. Do not go down the hill on a sharp angle, this could cause the Go Kart to flip over. Instead, go straight down the hill. Apply the brakes on the way down.

TRAVERSING A HILL

WARNING

Traversing a hill could be hazardous.

Traversing a hill could result in losing control and flipping the Go Kart over.

This could result in severe injury or death.

Never attempt to traverse a hill that is too steep or has loose or slippery terrain.

OPERATING THE GO KART

SKIDDING OR SLIDING

In certain situations you may experience skidding or sliding even though the brakes are not applied. Follow the operating techniques listed below to regain control.

Front wheel begins to slide or skid:
To regain traction, let off the accelerator, do not apply the brakes.

Rear wheels begin to slide or skid:
To regain traction, let off the accelerator and brakes until control of the Go Kart is achieved, steer in the direction of the skid.



WARNING

Skidding or sliding of the Go Kart could be hazardous.

skidding or sliding could result in the Go Kart sliding into an object or overturning suddenly by regaining traction resulting in severe injury or death.

Avoid skidding or sliding. Drive to stay in control.



WARNING

Applying the brakes hard on slippery surfaces could be hazardous.

Applying the brakes too hard on a slippery surface can cause the wheels to lock up and the Go Kart to slide out of control. The Go Kart could turn over or slide into an object. This could result in severe injury or death.

Gently apply the brakes when on a slippery surface.

OPERATING THE GO KART

OPERATING THROUGH WATER

operating through water can be hazardous, especially if it is fast moving. Make sure the water you are operating through is shallow and is not more than 5cm (2in) deep. Before crossing any water look at the terrain entering and exiting the water, the terrain should have a gradual slope with no obstacles. The bottom of the river or pool of shallow water should be hard. If you do not know the terrain or are not sure about the bottom of the pool or river, do attempt to enter. Remember to protect the environment, do not enter a river or pool of water if doing so could damage the river bank or shore line.

Brakes need to be inspected, cleaned and replaced more often if Go Kart is used in muddy, wet or sandy conditions. Inspect the Go Kart brakes regularly, have a service center clean or replace as needed.



WARNING

Operating this Go Kart through fast or deep water could be hazardous;

Deep or fast moving water could cause the Go Kart to loose traction resulting in loss of control which could lead to severe injury or death.

Never operate this Go Kart in water that is more than 4in (10cm) deep. Never operate this Go Kart in fast moving water.

Always check brakes after operating through water, wet brakes can reduce stopping ability.

Make sure brakes are dried out. The brakes can be dried out from friction by applying the brakes multiple times.

OPERATING THE GO KART

OPERATING IN COLD WEATHER . PRE RIDE INSPECTION

Brake and Accelerator Linkages:
Cold weather requires additional pre-ride inspection of the Go Kart before operating. Inspect brake and accelerator linkages making sure they operate freely and correctly. Ice and snow can cause these items to freeze. If the linkages are frozen, move the Go Kart to a warm area until these items thaw and work properly.

Frozen Tires:
Check to make sure the Go Kart tires are not frozen to the ground, if they are, pour warm water around the tires to release. Do not attempt to break the Go Kart loose using engine power, this could damage the engine and drive train.

Brake Inspection:
start engine and allow to warm up. Check the braking ability of the Go Kart by applying the brakes on level ground while traveling at a slow (walking rate) of speed. Make sure both front and rear brakes work properly. If the front, rear, or both sets of brakes do not work, take the Go Kart to a warm area to thaw out. once brakes are thawed, check again for proper operation, if they still do not work, take the Go Kart to a authorized service center. Do not attempt to operate the Go Kart with brakes that do not work correctly.

Preventive maintenance in cold weather operating is important. After operating in cold weather with snow, slush, water or ice, dry off the Go Kart including brake and accelerator linkages. Apply the brakes several times making sure that the friction has dried off the brake pads and shoes. Cover the Go Kart with a protective cover so ice and snow cannot accumulate .

CAUTION

Using engine power to release wheels that are frozen to the ground could damage Go Kart. Damage to engine and drive train may occur if attempting to use engine power to free frozen wheels.

Always make sure wheels move freely before starting the Go Kart in cold weather.

WARNING

operating the Go Kart with wet or frozen brakes could be hazardous.

wet or frozen brakes will increase stopping distance which could result in loss of control which could result in severe injury or death.

Always inspect the brakes before each ride by following the procedures in this manual.

OPERATING THE GO KART

LOAD GUIDELINES

Load guidelines including accessories:

Never exceed the maximum load capability of the Go Kart. This includes the weight of the operator and any cargo. This Go Kart is rated at 400 lbs(181.4kg)).

The luggage rack is rated at 22lbs. (10kg)).

Make sure all cargo is secure.

Distribute the weight of cargo evenly and low so the center of gravity is not adversely affected.

Do not add any accessory or cargo to the steering wheel that could impede vision or make the Go kart harder to steer.

Make sure accessories do not get in the way of any controls of the Go Kart.

Only carry cargo that is not bulky or too heavy.

Make sure all cargo is held securely in place, loose cargo can become a hazard.

while carrying cargo, go slow. Cargo can adversely affect handling at higher speeds .

Allow plenty of distance to stop while carrying cargo, the more weight on the Go kart, the longer distance it will take to stop.

AFTER MARKET PARTS

After market parts and accessories are available from many manufactures. Funrun cannot confirm the quality, safety or suitability of all the accessories available. when purchasing an accessory, use caution, the handling of the Go Kart could become affected. some accessories may make the Go Kart unsafe to operate. If you have a question about a modification or accessory, contact your dealer.



WARNING

Modifications or adding accessories could be hazardous.

Modifications to the Go Kart, including adding accessories, could adversely affect the handling of the Go Kart causing an accident which could result in severe injury or death.

Never Modify this Go Kart in anyway, including adding accessories, unless the modification is a genuine certified modification or accessory approved by the manufacture. Never modify the Go Kart with improper installation. Make sure to follow all instructions recommended in the certified modification. Use only genuine parts. For questions, contact your dealer.

BATTERY CARE

The Lead-Acid Battery

Your new electric Go Kart is partially charged from the factory. Charge fully before riding.

To achieve the best performance and life from your battery - the first charge and full discharge cycles are important..

After the first charge-run the battery down (not dead) and then recharge completely. This will format the battery. To get the longest life out of your lead -acid batteries recharge them completely after every ride, even very small rides. Leaving the battery pack in a partially discharged state may cause internal sulfation of the batteries which lowers the useful lifespan of the battery pack.

- **Initial Charge Time: up to 12 hours**
- **Recharge Time: up to 8 hours, depending on level of depletion.**
- **Fully charge battery before storing.**
- **When the Go Kart is not in regular use, recharge the battery at least once a month until normal use is resumed.**

Standard Charger - Lead Acid Battery

Green light means ready. Red light means charging. Plug the charger into a wall outlet FIRST. If the lights on charger do not light up, check the power to the outlet. If necessary, try a different outlet.

Note: Make sure power is turned OFF when unit is not in use. If the power switch is left on for any extended period, the battery may reach a stage at which it will no longer hold a charge.

Charging the Battery

Run time may vary depending on many factors such as riding conditions, rider weight, climate and/or proper maintenance, specifically tire pressure. Lead-Acid Full Recharge in 6 to 8 hours.

Average battery life: 250 charge/discharge cycles. To get the longest life out of your batteries recharge them after every ride. Leaving your batteries in a partially discharged state can cause internal sulfation which lowers the performance and life of the battery pack. Do not charge in extreme temperature above 110°F or below 32°F. Charging in extreme temperatures above 110°F and below 32°F can cause damage to battery.

Always store in cool dry area with no less than 50% charge.

Make sure Go Kart power switch is OFF before charging. AFTER the green light comes on located on the charger you can plug the charger into the charger port to charge battery. Align plug and socket correctly! Plug should slip in socket without excessive force. The green light indicates on or fully charged. Red light indicates charging.

WARNING:

To prevent shock, please follow the instructions accordingly and do not skip or combine any steps.

WARNING:

Rechargeable batteries are only to be charged under adult supervision. Always disconnect your electric Go Kart from the charger before cleaning with liquid. The specifications and charging procedure would not change. The charger has a small window with one LED to indicate the charge status. Green light indicates the charger is ready to be plugged into the Go Kart and a red light indicates charging. After the unit is fully charged the indicator will return to a green light signifying the ready condition. Chargers have built-in overcharge protection to prevent battery from being overcharged. Charger will get warm during use. This is normal for some chargers and is no cause for concern. If your charger does not get warm during use, it does not mean that it is not working properly. Turn power switch "OFF" before charging and conducting any maintenance procedures.

WARNING:

Failure to recharge the Lead-Acid battery at least once a month may result in a battery that will no longer hold a charge.

WARNING:

Lead Acid and Li-ion battery chargers are not interchangeable. Make sure you are using the correct charger for the battery type you have. Serious damage could result.

NOTICE: The battery charger is not waterproof. Moisture and water will damage the working of your charger. Always use in a cool, dry and clean environment.

Use only Drift Hero USA recommended battery charger for the battery type used!

MAINTENANCE

For maintenance, your Go Kart maybe maintained by an authorized Funrun service center or a repair shop of your choosing.

Following the proper maintenance procedures and time table for maintenance listed in this manual is important for the safety of the operator and the life span of the Go Kart. when operating in harsh conditions, such as water, mud and dust, the maintenance procedures should be performed more often.

WARNING

Failing to perform the recommended maintenance on this Go Kart could be hazardous.

Failing to perform proper maintenance on this Go Kart could result in an accident

Always perform the recommended maintenance for the Go Kartas listed in this manual.

WARNING

Performing maintenance and inspection while the engine is running could be hazardous.

Performing maintenance and inspections while the engine is running could result in getting body parts or clothing caught in moving parts, or could result in touching hot items which could result in severe injury.

shut off engine when perform. ing maintenance and inspection checks, with the exception checking the ignition switch and throttle.

CAUTION

Failing to perform recommended maintenance on this Go Kart could damage the Go Kart engine and components.

Always perform the recommended maintenance on this Go Kart as listed in this manual. Maintenance will need to be performed more often if ridden in wet, muddy or dusty conditions.

CAUTION

Failing to use compatible parts with the original replacement parts could damage Go Kart.

Using parts that are of low quality could result in Go Kart breakdowns and reduce the useful life of the Go Kart.

Never use parts that are not compatible with the original parts.

MAINTENANCE

ITEM	First 5 hours of operation	Before each ride	Every 20 hours of operation or 1 month	Every 50 hours or 3 months	Every 100 hours or 6 months
Condition of throttle and brake cables	Inspect	Inspect			
Brakes	Inspect		Inspect		
Brake hose	Inspect		Inspect		
Brake fluid	Inspect brake fluid level before each ride, if low, check brake pads for wear and brake lines and components for leaks. Replace brake fluid every 2 years.				
Tires		Inspect			
Steering	Inspect		Inspect		
Front suspension	Inspect				
Rear suspension	Inspect		Inspect		
Chassis nuts and bolts	Tighten	Inspect	Tighten		

**** Recommended to be performed by an authorized service center or service center of the owner's choosing.**

MAINTENANCE

BRAKES

This Go Kart is equipped with rear hydraulic disk brakes

! WARNING

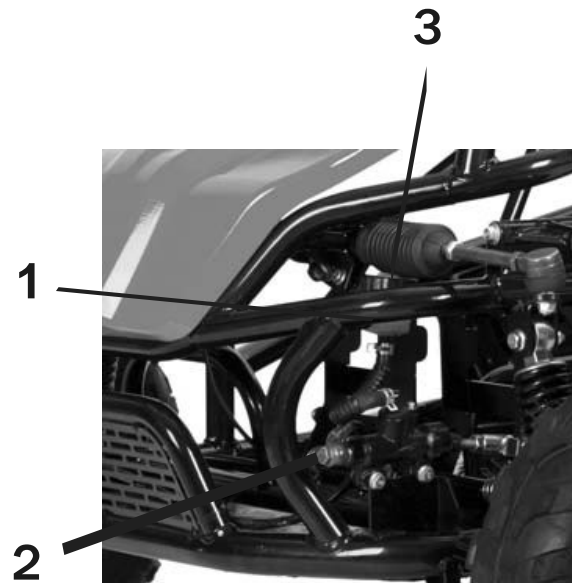
Failing to inspect brakes before each use could be hazardous

Inspect brakes before each use according to the Pre-ride check list, make sure to follow the maintenance schedule and procedures.

BRAKE FLUID

INSPECTION

Check the brake fluid level(1) for rear brakes. If fluid level is below the lower mark, inspect the brake hoses(2) for leaks or cracks. If there are no leaks, inspect the brake pads for excessive wear. If brake pads are worn, take to a service center for replacement. To add brake fluid, remove the lid (3). use only DOT3 or DOT4 brake fluid.



MAINTENANCE

TIRES

Inspect tires before each ride, this should include the following:

1. Inspect for cracks or leaks
2. Inspect tread depth. If tread depth is below 4mm(0.16 in) replace the tire.
3. Check tire pressure. Incorrect tire pressure can affect the handling, operator, comfort, steering, tire life and traction.

Tire pressure

Front tires: 7-9psi(48-62kpa)

Rear tires: 7-9psi(48-62kpa)

Tire size:

Front tires: 145/70-6

Rear Tires: 16/8-7

REPLACING TIRES

Always replace tires with type and size listed in this manual.

Always use the correct tools when replacing tires. The bead and sometimes the rim can be damaged by using the wrong type of tools. It is usually best to have tires replaced by an authorized service center. Service centers have the correct equipment and expertise to change tires without causing damage.

Punctures to tires can usually be repaired by using plug type patches. Plug type patches cannot repair tires that have been cut. If the tire has been cut or has a puncture in a location or size that cannot be repaired, replace the tire.

Be prepared for flat tires, always carry a plug type patch kit and air pump with you.



Minimum tread
4mm (0.16 in).



! WARNING

operating this Go Kart with worn tires could be hazardous.

operating this Go Kart with worn tires will reduce traction which could result in an accident.

Never operate this Go Kart with tires that have a tread depth of less than 4mm (0.16 in.).

! WARNING

operating this Go Kart with improper tire sizes or pressure could be hazardous

operating this Go Kart with improper tire sizes or pressure could result in loss of control of the Go Kart which could result in an accident.

Never operate this Go Kart with improper tire sizes or pressure.

MAINTENANCE

STORAGE

If the Go-Kart is left unused for an extended period of time proper storage maintenance is required.

1. Wash Go-Kart thoroughly, then wax painted parts with a non abrasive auto wax. Coat vinyl seat and rubber parts with a vinyl/rubber protectant. Note: Keep water away from battery and motor controller while washing to avoid water from entering the engine and/or components.
2. Place the power switch to the off position. Charge the battery once a month at least.
3. Fill tires with correct air pressure.
4. If possible, store Go-Kart in a shed or garage with a cover to protect from dust, dirt and humidity. If the Go-Kart must be stored outdoors, cover completely with a good waterproof cover.

WASHING THE GO KART

1. Wash mud and dirt off Go Kart with low water pressure from a hose.
2. Wash Go Kart using a mild detergent or car soap using a sponge, soft rag or brush. Do not use any cleaning materials that could scratch the Go Kart.

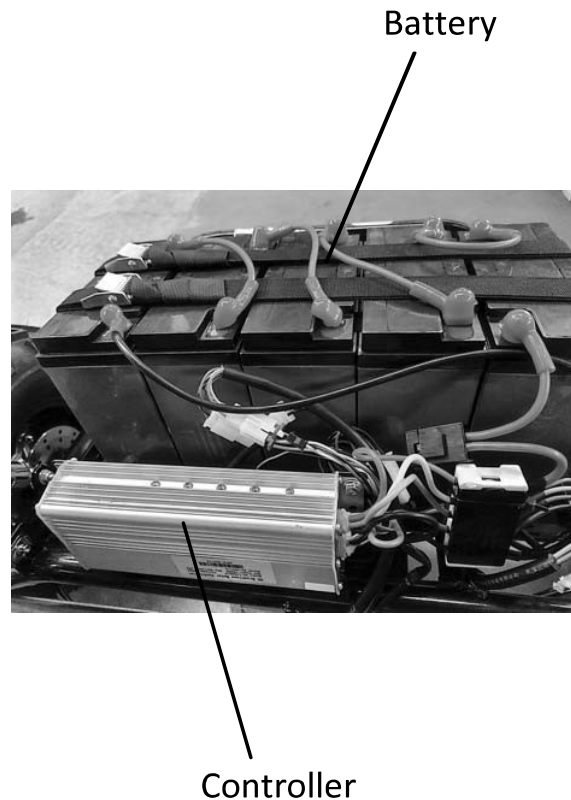
Note: Be careful not to allow water to enter battery and motor controller, brake cables or switches.

TRANSPORTING

1. Place the power switch to the off position. Take off the power plug from battery case.
3. Transport the Go-Kart in the upright position) tied down securely.

Returning to service

1. Wash Go-Kart thoroughly.
Note: Keep water away from battery and motor controller while washing to avoid water from entering the engine and/or components.
2. Charge the battery.
3. Review this owner's manual and follow the pre-ride inspection procedures.



TROUBLE SHOOTING

Trouble	Possible cause	Solution
<p>After power on but vehicle does not start</p>	<p>1, the battery connect cable is bad connect. 2,After the short-circuit cable 3,battery terminal board contact is not good. 4, the battery voltage is too low, the contactor does not pull. 5, the motor line off the accelerator pedal. 6, the brake pedal is not put in the end.</p>	<p>1, re-connected securely 2, find the short route 3.re-connected securely 4. Check the battery recharge, or whether failure 5. re-wiring 6.put the foot brake in the end</p>
<p>Brake is unnormal.</p>	<p>1. without resistance 2.brake pad wear 3, uninterruptible power brakes</p>	<p>1, adjust the brake pedal 2, the replacement of brake pads 3, check wiring,replace the brake off switch</p>
<p>The motor does not turn or weakness</p>	<p>1, motor damage 2, the controller bad 3, the connection point between controller and machine off</p>	<p>1, the motor maintenance 2, replace the controller 3, re-connected securely</p>
<p>Insufficiently charged</p>	<p>1, the charging socket is damaged 2, damage to the charger</p>	<p>1, Change socket 2. replacement charger</p>

TORQUE SPECIFICATIONS

FASTNER THREAD SIZE	TORQUE (ft.lbs.)/(in.lbs.)	TORQUE (nm)
5 mm bolts and nuts	39/52 in.lbs.	4.5/6 nm
6mm bolts and nuts	69/104 in. lbs.	8/12 nm
8mm bolts and nuts	13/18 ft.lbs.	18/25 nm
10 mm bolts and nuts	22/29 ft.lbs.	30/40 nm
12 mm bolts and nuts	36/43 ft.lbs.	50/60 nm
4 mm screws	22/30 in.lbs.	2.5/3.4 nm
5mm screws	30/43 in.lbs.	3.5/5 nm
6 mm hex bolts	87/121 in.lbs.	10/14 nm
8 mm hex bolts	17/22 ft.lbs.	24/30 nm
10 mm hex bolts	25/32 ft.lbs.	35/45 nm

SPECIFICATIONS

Motor

Type Permanent Magnet
Brushless Motor

Voltage 60V
Max Power 2000w
Max Torque 19lb ft (25Nm)
Top Speed 24mph (38km/h)

Battery

Battery Type Lead-acid
Capacity 20AH
Charging Time 8H

Charger

Input Voltage AC100-240V
-2.5A 50/60Hz
Max output DC72.0V-3.0A

Braking

Rear Brake Hydraulic disk

Tires

Front Tire size 145/70-6
Rear Tire size 16/8-7
Tire pressure 8psi (55kpa)

Dimensions and weights

Length 67.3in. (1710mm)
Height 47.6in. (1210mm)
width 45.3in. (1150mm)
wheelbase 49.2in.(1250mm)
Gd. Clearance 4.5in. (115mm)
Vehicle wt. 297 lbs. (135kg)
weight Cap. 275lbs. (125kg)
Rack Cap. 11lbs (5kg)

Transmission

Type Single speed with
differential

Drive System Type Shaft

Drive Dual Wheel

Gear Ratio 8:1

Suspension

Front Type Low pressure tires
Rear Type Low pressure tires

VEHICLE IDENTIFICATION NUMBER LOCATION



VIN #

The Vehicle identification number is needed when calling for parts, service center help or when registering your Go Kart. Locate the number and list the number below for your reference.

The 17 digit Vehicle Identification Number (VIN) is stamped on the right side of the go-kart on the metal frame.

Vehicle Identification
Number:

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