

User's Manual

Go-Kart



PLEASE READ THIS MANUAL CAREFULLY
BEFORE YOU USE THIS VEHICLE



PLEASE OBSERVE LOCAL TRAFFIC LAWS
THIS VEHICLE OFF ROAD USE ONLY



What is not covered under this warranty?

This warranty does cover any seller vehicles that have been subjected to:

a. Renting;

b. Disassembly, adjusting or repairing of the vehicle in any way so as to adversely affect its safety or reliability;

c. Competition or racing

The warranty does not cover any losses of the seller vehicle use, any losses of time, any inconveniences, or any other consequential damages which include, but are not limited to the losses or damages to any persons, property or expenses of returning damaged units to the vehicle distributor or any authorized dealers.

We have the right to make changes without prior notice.

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FOREWORD

Thanks for choosing our go-kard. Prior to operating your go-kard, please read through this Owner's Manual carefully as it contains important safety and maintenance information. Failure to follow the warnings contained in this manual could lead to personal injuries or damages to the unit.

Be sure to follow the recommended maintenance schedule and service your vehicle accordingly. Preventive maintenance is extremely important to the longevity of your vehicle.

We recommend you to wear a helmet, a pair of goggles and proper footwear all the time.

We hope you will have a pleasant experience with our products and thanks again for choosing our go-kard.

A FEW WORDS ABOUT SAFETY

In order to keep everyone safe, you must take responsibility for the safe operation of your Go-kard. To help you make informed decisions about safety, we have provided safe operation procedures and other information in this manual and on safety Alert decals affixed to your vehicle. All the information alerts you to potential hazards that could hurt you or others.

It is not practical or possible to warn you against all hazards associated with operating or maintaining your vehicle, so you must use your own good judgments. Throughout this manual your attention will be called to the safety information below:

- Safety advisory Headings and Safety Decals----Cautionary signal words (warning-caution) may appear in various locations throughout this manual or on safety Alert Decals affixed to your vehicle. Information accented by one of these signal words must be observed to minimize the risk of personal injuries or the possibility of improper service methods which may damage your vehicle or render it unsafe;

- In addition, the word Note is utilized to emphasize the areas of procedural importance and provide suggestions for easy repairs;

The following definitions indicate the use of these advisory headings as they appear throughout this manual or on safety Alert Decals affixed to your vehicle: safety Messages are preceded by a safety alert symbol and one of the two words warning and caution.

CAUTION

WARNING directs your attention to the unsafe practice, which could result in personnel injuries or death if you don't take proper precautions.

Note emphasizes an operating procedure, practice, condition, etc. which is essential.

No matter how often it is said or pointed out, there are people who have a tendency to IGNORE the safe operation until it becomes too LATE. Don't be this type of person. Focus on SAFETY at all times when operating or servicing your vehicle.

Physical harm may result from failure to adhere to the instructions within the safety Advisory Warnings. This entire manual is filled with important safety information---please read it carefully.

IMPORTANT SAFETY INFORMATION

Your Go-Kart will provide you with many years of service and pleasure providing you take responsibility for your own safety and understand the challenges that you will meet while driving. There is much that you can do to protect yourself when driving. You will find many helpful recommendations throughout this manual. The following are a few that we consider as the most important ones:

Follow the Age Recommendation

It is strongly recommended that no one under the age of 16 be permitted to drive this Go-Kart without adult supervision.

Always Wear a Helmet

Wearing a helmet significantly reduces the possibility and severity of head injuries. Always wear an E-Mark Approved motorcycle helmet. We also recommend you to wear approved goggles and other protective gear.

Always Wear Wrist Straps

Attach your wrist straps to the steering wheel to insure that you won't try to reach out to one side during a rollover. This will prevent injuries to your wrists, arms, fingers, etc.

Take Time to Learn & Practice

Take time to become familiar with your Go-Kart. Practice in a safe area until you have built your skills and gotten accustomed to the handling characteristics of your vehicle.

Be Alert to Hazards

The terrain can present a variety of challenges when driving. Continually "read" the terrain for unexpected turns, drop-offs, rocks, ruts and any other hazards. Always keep your speed low enough to allow time for seeing and reacting to hazards.

Drive within Your Limits

Never drive beyond your personal abilities or faster than conditions warrant.

Remember that alcohol, drugs and fatigue can significantly reduce your ability

of making good judgments and driving safely.

Don't Drink and Drive

Alcohol and drive never mix, Never drink alcohol prior to or while driving your

Go-Kart. Otherwise, it can impair your judgments and worsen your reaction time.

Never Run Your Go-Kart indoors

The exhaust from the engine contains a tasteless, odorless and poisonous gas called carbon monoxide.

Never Run Indoors or in an Enclosed Area

The exhaust from the engine contains the carbon monoxide, a poisonous, tasteless and odorless gas that may be lethal.

Keep Clear of Moving Parts.

You should never place your hands or other parts of your body near any moving parts. Failure to follow this warning may cause physical harm to your body.

Skidding or Sliding

The terrain surfaces can affect turns. Skidding or sliding in a turn is more likely to occur on slippery surfaces such as snow, ice, mud and loose gravelly. If you skid or slide on ice, you may lose all directional controls.

To avoid skidding or sliding on slippery terrain surfaces, keep your speed low and drive carefully.

ARE YOU READY TO DRIVE?

Before each drive, make sure that you and your Go-Kart are both ready to drive. To help get you prepared, this section discusses how to evaluate your driving readiness, what items *you* should check on your vehicle, and how to adjust for your comfort, conveniences and safety.

Before driving your Go-Kart for the first time, we urge you to:

- Read this Owner's Manual and the Safety Alert Decals on your vehicle carefully;

Make sure that you understand all the safety messages;

Know how to operate all the controls;

Have an adult present if you are under 16 years old.

Before each of your drive, we urge you to be sure that:

You feel well and are in good physical and mental conditions;

You are wearing an E-Mark approved motorcycle helmet (with chin strap tightened securely), approved goggles and other protective clothing.

You don't have any alcohol or drugs in your system.

You have a driver's license.

Protective Apparel

For your safety, we strongly recommend that you always wear an E-Mark approved helmet, goggles and other protective clothing. Although complete protection is not possible, wearing proper driving gear can reduce the chances of injuries when you drive. The following suggestions will help you choose the proper driving gear.

1. Helmets and Eye Protection Gear

Your helmet is your most important protective gear because it offers the best protection against head injuries. A helmet should fit your head comfortably and securely. An open-face helmet offers some protection, but a full-face helmet offers more. Regardless of the style, look for an E-Mark Approve sticker in any helmet you buy. Always wear a face shield or goggles to protect your eyes and vision.

WARNING

Operating your Go-Karl without wearing an approved motorcycle helmet, eye protection gear and protective clothing could increase your chances of head and/or eye injuries, even possibly death in the event of severe accidents.

Always wear an approved motorcycle helmet, eye protection gear (goggles or a face shield), gloves, boots, a long-sleeved shirt or jacket and long pants.

2. Additional Driving Gear

In addition to a helmet and eye protection gear, we also recommend:

Sturdy motorcycle boots to help protect your feet, ankles and lower legs;

Motorcycle gloves to help protect your hands;

Driving pants with knee and hip pads, a driving jersey with padded elbows, and a chest and shoulder protector.

Drive Training

Developing your driving skills is an on-going process. Even if you have driven other Kart, you still should take time to become familiar with how this Go-Kart works and handles. Practise driving your vehicle in a safe area to build your skills. Don't drive in rough terrain until you' we gotten accustomed to this Go-Karl' s controls, and felt comfortable with its size and weight.

WARNING

Operating your Go-Kart without proper instructions could increase your risks of accidents that could lead to serious injuries or even death.

Age Recommendation

It is strongly recommended that no one under the age of 16 be permitted to operate this Go-Kart without adult supervision.

WARNING

A child driving this Go-Kart that is not recommended for his/her age could lose the vehicle control and result in severe injuries or even death.

A child under 16 should have adult supervision when operating this vehicle.

No Alcohol or Drugs

Alcohol, drugs and Buggies never mix. Even a small amount of alcohol can impair your ability of operating your Go-Kart safely. Likewise, drugs, even if prescribed by a physician, can be dangerous while you're operating your vehicle. Consult your doctor to be sure that it is safe to operate a vehicle after taking some medication.

WARNING

Operating your go-kart after consuming alcohol or drugs can seriously affect your judgments, cause delayed reaction, affect your balance and perception, and even result in serious injuries or death.

IS YOUR VEHICLE READY TO DRIVE?

Before each of your drive, it is important to inspect your go-kart and make sure that any problems you've found have been corrected. A pre-drive inspection is a must, not only for safety, but because having a breakdown or even a flat tire, can be a safety concern.

If your vehicle has overturned or has been involved in a collision, don't drive it until an authorized dealer has inspected your vehicle. There may be damages you can't see.

Improper maintenance of your go-kart or failing to correct a problem before use can result in a crash in which you can be seriously hurt or killed.

Always perform a pre-drive inspection before every drive and correct any problems.

Pre-drive Inspection

Check the following items before getting on your go-kart:

Engine Oil: Check the oil level and add oil if needed; check for leakage; don't let any water go into the engine, otherwise the engine can't start;

Fuel: Check the level and add fuel if needed; make sure that the fuel-filling cap is securely fastened; check for leaks;

Tires: Use a gauge to check the air pressure, and adjust if needed; look for signs of damages or excessive wear;

Nuts & Bolts: Check the wheels to see if all the axle nuts have been tightened; use a wrench to make sure that all accessible nuts, bolts and fasteners have been tightened;

Underbody & Exhaust System: Remove any dirt, vegetation or other debris that could be a fire hazard or interfere with the proper operation of your vehicle;

Air Cleaner Housing Drain Tube: Check for any dirt in the drain tube, and clean the tube if necessary; check the air cleaner housing;

Leaks, Loose Parts: Walk around your vehicle and look for anything that appears unusual, such as a leak or a loose cable, and adjust or replace if needed;

Lights: Make sure the headlights, brake lights, taillights, turning lights etc. work properly;

Throttle: Check the free play of the throttle, and adjust if needed; press the throttle to make sure it moves smoothly without sticking, and release the throttle to make sure it snaps back automatically;

Brakes: Press the brake pedal several times, check for proper brake pedal free play; make sure there is no brake fluid leakage;

Steering Wheel: Turn the steering wheel to check if it turns properly;

Cables: Check the cable housing for wear; check the fittings for looseness; replace or tighten if needed.

Horn: Check if the horn works properly.

SAFE DRIVING PRECAUTIONS

Keep Hands and Feet on Controls

Always keep both of your hands on the steering wheel and both of your feet on the foot controls when driving your go-kart. It is important to maintain your balance and control your vehicle. Removing your hands or feet away from the controls can reduce your ability of maintaining control of your vehicle.

WARNING

Removing your hands from the steering wheel or your feet from the foot controls during operation, can reduce your ability of controlling your go-kart, or cause you to lose your balance and fall off your vehicle.

Always keep both of your hands on the steering wheel and both of your feet on the foot controls of your vehicle during operation.

Control Speed

Driving at excessively high speed increases the chances of accidents. In choosing a proper speed, you need to consider the capability of your go-kart, terrain, visibility and other operating conditions, plus your own skills& experiences.

WARNING

Operating your go-kart at excessively high speed increases your chances of losing control of your vehicle, which can easily result in accidents. Always drive at a speed that is proper for your vehicle, the terrain, visibility and other operating conditions, plus your skills and experiences.

Be Careful on Unfamiliar or Rough Terrain

Before driving in a new area, always check the terrain thoroughly. Don't drive fast on unfamiliar terrain or when the visibility is limited.

(Sometimes it's difficult to see obstructions like hidden rocks, bumps or holes and gain time to, react.)

WARNING

Failure to use extra care when operating your go-kart on unfamiliar terrain could easily cause your vehicle to overturn or go out *of* your control.

Go slowly and be especially careful when operating on unfamiliar terrain. Never drive past the limit of visibility. Maintain a safe distance between your vehicle and other vehicles. Always exercise caution and use extra care on rough, slippery and loose terrain surfaces.

WARNING

Failure to use extra care when operating on excessively rough, slippery or loose terrain could cause loss of traction or vehicle control, which could result in accidents, including an overturn.

Don't operate on excessively rough, slippery or loose terrain until you've learned and practiced the skills

necessary to control your go-kart on such terrain.

Always be especially cautious on these types of terrain.

Don't Perform Stunts

Always operate your vehicle in a safe and reasonable manner. When driving,

always keep all of the four wheels on the ground.

WARNING

Attempting wheelies, jumps and any other stunts increases the chances of accidents, including an overturn.

Never attempt stunts, such as wheelies or jumps.

OPERATION

A. Controls

Warning: Don't attempt to start or operate the engine until you've been completely familiar with the location and use of each control necessary to operate your vehicle. You must know how to stop your machine before starting and driving it.

a. Throttle

The right foot pedal is the throttle that controls your vehicle speed. As the engine speed is above idle, the clutch is not automatically and just like the car to shift the gear.

WARNING

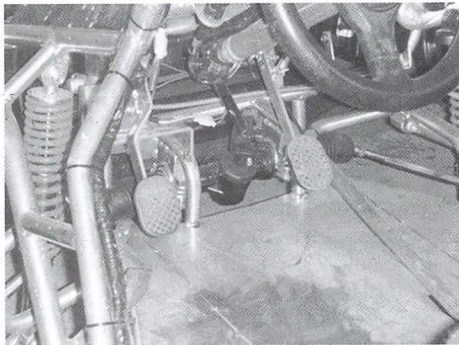
Each time before starting the engine, check the throttle assembly to ensure that when the pedal is pushed all the way forward, the throttle assembly can work smoothly; and when the pedal is released, the throttle assembly can return to the idle position automatically.

Don't operate your vehicle if the pedal or engine throttle linkage fails to return to idle. If the lubrication, adjustment or replacement of the worn parts can't correct the problem, please contact the authorized dealer for assistance. -

b. Brake

The brake pedal is located in the middle of the throttle pedal and brake pedal. Applying pressure onto the pedal draws the brake calipers against the brake rotor and slows or stops the vehicle.

Clutch pedal Brake pedal Speed control pedal

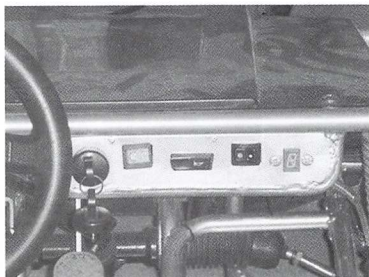


c. Clutch

The clutch pedal is located on the left of vehicle, when you need to change the speed gear, just applying pressure onto the pedal just like you drive a car.

d Control Panel

Fuel indicator Turning indicator Odometer



- a. Engine Oil:** Check the engine oil level, add oil if required;
- b. Fuel:** Check the fuel level, and add fuel if necessary (don't overfill);
check for fuel leaks;
- c. Brakes:** Depress the brake pedal several times, and then check for the proper free play; make sure there is no brake fluid leakage; adjust if necessary;
- d. Tires:** Check the tire conditions and pressures;
- e. Throttle:** Check for the smooth operation of the throttle; assure that the throttle "snaps" back to idle;
- f. Nuts, Bolts and fasteners:** Check the wheels to see if all the wheel nuts have been tightened properly; Check all the other fasteners and tighten them to the specified tension if necessary;
- g. Protective Bars:** Ensure all the protective bars are in place and secure your go-kart before operating;
- h. Brake Light:** Check for the proper operation of the brake light;
- L Wheels:** Check for the tightness of wheel nuts and axle nuts; check if all the axle nuts are secured by cotter pins;
- j. Steering:** Check for the free operation of steering; check if there is any unusual looseness in any area.
- k. Horn:** Check if the horn works properly.



C. Seat Adjustment

The seat must always be securely fastened in the position which affords the best control of the foot pedals, steering wheel and engine stop button for the operator.

- a. Pull the seat adjustment handle upward to disengage the seat slide;
- b. Move the seat to the desired position;
- c. Be sure that the seat adjustment handle snaps back into place and that the seat is locked into position.

Before attempting to adjust the seat, ensure that the engine isn't running.

Never operate your vehicle when the seat isn't securely fastened. Otherwise, it could result in personal injuries or loss of life.

Before attempting to adjust the seat, ensure that the engine isn't running.

D. Reverse handle

Press down the reverse (ever to this position so that the unit can move forward; pull back the (ever to last gear so that the unit can move backward;

E. Starting and Operating Instructions

- a. Before starting the engine, be sure that the driver has sat properly in the driver's seat and the seatbelt has been tightened;
- b. Test the controls to (earn how to start, turn and stop;
- c. Operate your vehicle slowly until you've been familiar with it;
- d. The turning radius of your vehicle is small and agile, so the centrifugal force is very high when turning at high speed. When turning, you'd better slow down to a more controllable speed to prevent your vehicle from rolling over;

e. Keep your heel on the floorboard for the proper pedal control; any attempt to turn sharply at high speed is dangerous, because the tires can easily catch an edge that can result in a rollover.

F. Starting the Engine

- (1) Check if the fuel line is smooth.
- (2) Check if the ignition system is working.
- (3) Press the starting button when the throttle is closed.
- (4) Warm up the engine for 2-3 mm after starting the cold engine

Note:

- (1) Release the button and cut the power of the starting motor immediately after starting the engine.
- (2) Don't press the starting button after starting the engine. Otherwise it may cause damages to the engine.
- (3) Don't press the button for more than 3-4 seconds one time. Wait for about 10 seconds to repress. Press the button with the throttle slightly opened.
- (4) In cold weather, warm up the engine for several minutes at the idle speed. Then speed up after the operation temperature is reached.
- (5) In hot weather, avoid running the engine at the idle speed for a long time. It may overheat the engine.

G. Stopping the Engine

- (1) Run the engine for about 35 mm at the idle speed to cool down.
- (2) Turn off the throttle.
- (3) Turn off the ignition switch.

SERVICE INSTRUCTIONS

A. Air Cleaner

Service the air cleaner every 20 hours of usage.

Note: Service more often when driving under dusty conditions.

- a. Remove the cleaner cover
- b. Remove the air cleaner element
- c. Fill a basin with the non-flammable cleaning agent and dip the element in it.
- d. Dry the element after cleaning it;

B. Engine Lubrication

After the new engine has operated for the first 5 hours and for every 10 hours thereafter, change the oil in the crankcase to insure the proper lubrication of internal parts and to prevent costly repairs due to the excessive wear.

- a. Remove the filler plug located on the rear side of engine; remove the drain plug; tip the vehicle backwards slightly by blocking up the front end; drain the oil into a suitable container;
- b. Place the vehicle in a level position, replace the filler plug and tighten it securely;
- c. Refill the crankcase with SAE 15-40 W use the same grade of oil as used originally;
- d. Check the oil level before each drive; add the oil up to the proper level.

Note: Don't mix various grades of oil together.

C. Spark Plug

a. Remove the spark plug and inspect it with a spark plug wrench each time when changing the oil;

Note: The electrodes should be kept clean and free of carbon.

The presence of the carbon or excess oil will greatly reduce the proper performance of engine.

If possible, check the spark plug gap (area between electrodes) with a wire feeler gauge. This specification is 0.6-0.7mm.

b. Before installing the spark plug, coat the threads lightly with the graphite grease if possible, to ensure the easy removal next time; otherwise, the spark plug will need inspection;

c. It is advisable to replace the spark plug at least once a year to insure the easy starting and good engine performance.

D. Carburetor Adjustment

Never make unnecessary

adjustments. The manufacturer recommended settings are correct for most applications.

You will need a tachometer to make some of the adjustments.

a. Warm up the engine for about 5-10 minutes;

b. Gently tighten the airscrew, and back it out 2-3 turns anticlockwise;

c. Connect the tachometer, and adjust the throttle idle speed (the standard value is 1400 ± 100 RPM)

d. Turn the airscrew anticlockwise slowly and observe the RPM of the engine, and stop adjusting as the RPM reaches the top speed;

e. Readjust the idle speed screw to the standard value;

f. Repeat the steps d, e until the RPM has been stabilized.

E. Cleaning Instructions

Keep your vehicle clean. Use a clean rag to wipe off the dirt and oil from around the controls, also wipe off any spilled fuel and oil.

Keep the engine free of foreign objects, and be sure to check if the cooling fan area is free of debris for proper cooling.

F. Vehicle Lubrication

Lubricate the vehicle every 90 days of use.

J. Storage Instructions

In the event your vehicle isn't to be operated for periods in excess of 30 days or at the end of each driving season, prepare for the storage as follows:

- a. Drain out (or use a fuel stabilizer) all the left fuel in the fuel tank and carburetor;
- b. Remove the spark plug, pour one ounce of clean cylinder lubricating oil through the spark plug hole into the cylinder, and crank the engine slowly to spread the oil;
- c. Replace the spark plug;
- d. Don' t save or store gasoline over winter, because the old gasoline has deteriorated in the winter storage, and will cause hard starting and affect the engine performance.

WARNING

Don' t drain fuel while the engine is hot.

Be sure to move your vehicle outside before draining the fuel.

REAIRS

A. Front Wheel Replacement

Don' t disassemble the castle nuts

when you replace the front wheels.

First remove the 4 wheel nuts, next remove the front wheel, then replace the new wheel, finally tighten the wheel nut

B. Rear Wheel Replacement

Disassemble the castle nuts when you replace the rear wheels.

It is only necessary to tighten the castle nut so that the wheels turn freely on the axle with minimum endplay. Tighten the castle nuts and install the cotter pins after replacing the wheels.

PERIODICAL CHECK AND SERVICE

The maintenance intervals in the following table are based upon average riding conditions. Riding in unusually dusty areas requires more frequent services.

Items Tire pressure/wear, Brake performance, Tightness of	First	Month I	Quarterly	Year I
I	I			
Air cleaner	I	C	C	I
Carburetor	I	A		C
Spark plug	I		C, A	
Brake fluid	I		I	
Replace gearbox oil	I	I	R	
Chassis	I ^a I	C, I	L	
Fuel switch/fuel tank	I			C
Battery	I		I	
Engine oil	I	R		
Valve clearance of engine	I		A	

Note:

A: Adjust; C: clean; I: inspect, clean or replace if necessary;

L: lubricate; B: replace.

SPECIFICATION

CAPACITIES	
Fuel Tank	3 Liter
Engine Oil	SAE 15-40 W
Climbing	>16 degree
Top Speed	31.06 mph
Turning Radius	3.5m
Acceleration Noise Level	80dB
Headlight	12V 35W
Taillight	12V 10W/5W
Turning Light	12V 10W
Battery	12V 4A

CHASSIS	
Front/Rear Brake	Disc
Parking Brake	Foot control, hand control
Braking Distance	30km/h < 7.0m
Front Tire	16x8-7
Rear Tire	16x8-7
Front Tire Pressure	68.94 kpa 10 psi
Rear Tire Pressure	68.94 kpa 10 psi
Net Weight	160 kg / 352.74 lbs

SPECIFICATIONS

DIMENSIONS	
Overall Length	1800 mm
Overall Width	1250 mm
Overall Height	1250 mm
Wheelbase	1018 mm

ENGINE	
Type	air-cooled, single cylinder, 4 stroke
Displacement	107cc
Bore X Stroke	107cm ³
Max Power	5.5 kw @ 8000 RPM
Max Torque	6.5 NM @ 6000 RPM
Idle Speed	1400+-100 rpm
Ignition	C.D.I
Starting	Electric
Spark Plug Gap	0.6-.07 mm
Transmission	Chain
Compression Ratio	9:2:1
Valve Clearance	0.03+-0.01mm In ex
Spark Plug Gap	A7RTC

