

Owner's Manual

Parts Manual

**READ THIS MANUAL CAREFULLY
IT CONTAINS IMPORTANT SAFETY INFORMATION**



This operation manual is made of go-kart models:
MINI XRX, MINI XRS, TBM50A, GK50, GK163,
MINI GK-1, MINI GK-2, MINI XRX/R, MINI XRS/R

Recommended Age: 8 years old
FOR OFF-ROAD USE ONLY

EMISSION CONTROL SYSTEM WARRANTY

BV POWERSPORTS, LLC

Your Warranty Rights and Obligations:

The California Air Resources Board, U.S. EPA and BV POWERSPORTS,LLC are pleased to explain the Emission Control System Warranty on your new outdoor power equipment engine.

California

In California, new spark-ignited small off-road equipment engines must be designed, built and equipped to meet the State's stringent anti-smog standards.

Other States, U.S. Territories

In other areas of the United States, your engine must be designed, built and equipped to meet the U.S. EPA emission standards for spark-ignited engines at or below 19 kilowatts.

All of the United States

BV POWERSPORTS,LLC must warrant the emission control system on your power equipment engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your power equipment engine. Where a warrantable condition exists, BV POWERSPORTS,LLC will repair your power equipment engine at no cost to you including diagnosis, parts and labor.

Your emissions control system may include parts such as: carburetors or fuel injection system, ignition system, catalytic converters, fuel tanks, valves, filters, clamps, connectors, and other associated components. Also, included may be hoses, belts, connectors, sensors, and other emission-related assemblies.

Manufacturer's Warranty Coverage:

The emission control system is warranted for two years. If any emissions-related part on your engine is defective, the part will be repaired or replaced by BV POWERSPORTS,LLC .

Owner's Warranty Responsibility

As the power equipment engine owner, you are responsible for the performance of the required maintenance listed in your owner's manual. BV POWERSPORTS,LLC recommends that you retain all receipts covering maintenance on your power equipment engine, but BV POWERSPORTS,LLC can not deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the power equipment engine owner, you should however be aware that BV POWERSPORTS,LLC may deny your warranty coverage if your power equipment engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your power equipment engine to distribution center or service center authorized by BV POWERSPORTS,LLC as soon as the problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact BV POWERSPORTS,LLC customer service representative at 1-877-645-4320 or write to parts@bvpowersports.com

Warranty Coverage:

BV POWERSPORTS,LLC warrants that the product engine is free from defects in materials and workmanship which cause such engine to fail to conform with the U.S. EPA or State of California emissions standards for small spark-ignited nonroad (off-road) engines – as applicable to your BV POWERSPORTS,LLC product. Small spark-ignited off-road engines manufactured after January 1, 1995 and sold in the State of California and U.S. EPA certified small spark-ignited nonroad engines manufactured in model year 1997 or later and sold in all of the United States are covered by this Emission Control System Warranty for a period of two years from the date of delivery to the original purchaser. This Emission Control System Warranty is transferable to each subsequent purchaser for the duration of the warranty period. Emission Control System Warranty repairs or replacements will be made without charge for diagnosis, part or labor. A list of warranted parts are warranted only up to the first scheduled required replacement interval for such item, as set forth in the Owner's manual. If any emission control system part is repaired or replaced under the Emission Control System Warranty, it shall be warranted for the remainder of the applicable warranty period. BV POWERSPORTS,LLC will also

repair or replace other engine components damaged by a failure of any part covered by the Emission Control system Warranty during the Emission Control System Warranty Period. Only parts authorized and approved by BV POWERSPORTS,LLC may be used in the performance of any Emission Control System Warranty repairs or replacements and will be provided without charge to the owner. Unapproved, add-on, modified, counterfeit and/or “gray market” parts may not be used to modify or repair the BV POWERSPORTS,LLC engine. If such a part has been used in the repair or maintenance of your engine, and an BV POWERSPORTS,LLC Authorized Service Center determines it is defective or causes a failure of a part covered under the Emission Control System Warranty, your claim for repair of your engine or product may be disallowed. BV POWERSPORTS,LLC shall not be held liable hereunder for failures of any warranted parts caused by the use of such an unapproved, add-on, modified, counterfeit and/or “gray market” part.

How to obtain warranty service:

You must take your power equipment engine or the product on which it is installed, along with evidence of the date of the sale to the original purchaser, at your expense, to any BV POWERSPORTS,LLC Authorized Service Center during its normal business hours. To locate your nearest BV POWERSPORTS,LLC Authorized Service Center, call 1-877-645-4320 or write to parts@bvpowersports.com. The product owner shall be responsible for any expenses or charges incurred for service calls or transportation of the product or equipment engine to and from the BV POWERSPORTS,LLC Authorized Service Center, including any and all damages or losses incurred during such transportation or shipment.

Exclusions

Failures other than those resulting from defects in material or workmanship are not covered by this Emission Control System Warranty. This Emission Control System Warranty does not extend to emission control systems or parts which are affected or damaged by owner abuse, neglect, improper maintenance, misuse, mis-fueling, improper storage, accident and/or collision, the incorporation of, or any use of, any unapproved, add-on, modified, “gray market” or counterfeit parts, unsuitable attachments, or the unauthorized alteration of any part. This Emission Control System Warranty does not cover the regular replacement of normal maintenance items made in connection with required maintenance services after the item’s first scheduled replacement, as set forth in the Operator’s Manual (e.g. spark plugs, air filters, fuel filters, etc...).

Limitations of Liability:

BV POWERSPORTS,LLC disclaims any responsibility for loss of time or use of the engine, or the equipment in which the engine is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written limited warranty. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

EMISSION WARRANTY PARTS LIST

(1) Fuel Metering System:

- | | |
|--|--------------------------------------|
| (a) Gasoline carburetor assembly and its internal components | |
| (b) Carburetor gaskets | (e) Fuel tank |
| (c) Fuel line | (f) Fuel line fittings |
| (d) Clamps | (g) pressure regulator (if equipped) |
| (h) Mixer assembly and its internal components (if equipped) | |

(2) Air induction system including:

- | | |
|--------------------------|-----------------|
| (a) Intake pipe/manifold | (b) Air cleaner |
|--------------------------|-----------------|

(3) Ignition system including:

- | | |
|----------------|-------------------|
| (a) Spark plug | (b) Ignition coil |
|----------------|-------------------|

(4) Catalytic muffler assembly including:

- | | |
|----------------------|--|
| (a) Muffler gasket | |
| (b) Exhaust manifold | (c) Catalytic converter (if available) |

(5) Crankcase breather assembly including

- (a) Breather connection tube
- (6) Fuel tank evaporative emissions control system including:
 - (a) purge valves
 - (b) Carbon canister
 - (c) canister Mounting Brackets
 - (d) Fuel Cap
 - (e) Fuel Tank
- (7) Miscellaneous items used in above systems including:
 - (a) Switches
 - (b) Hoses, belts connectors, and assemblies
- (8) Air injection system
 - (a) Pulse valve

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Thank you for purchasing our Go-Kart .We hope you will enjoy it. Before you start to operate the Go-kart , 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 can result in serious injuries .

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

Beginners should seek instruction from your dealer or qualified instructors before and during initial use of the Go-kart. It is also recommended to practice in a large open area to familiarize yourself with operations of this Go-kart.

We hope you will have a pleasant experience with our products and thank you again for choosing our Go-kart.

2.1 Notes to Parents

We know that you, as parent, will have your youngster's safety foremost in mind. Serious injury can result from the improper use of kart. Your youngster's safety will depend on you taking a "safety first" approach to kart driving at all times. It's important to carefully read and follow the instructions and warnings contained in this manual and on the labels pasted on the kart.

Once your youngster is ready to learn to drive, you must be familiar with this kart. You will be serving as teacher, coach, and safety supervisor for your youngster. You must know the controls, handling characteristics, maintenance requirements, and proper driving techniques. Read and understand this manual, and labels attached with this vehicle. Make sure that the kart to be driven is one that is recommended for use by your youngster's age group. You should supervise your youngster's operation of this kart at all times and should permit continual use only if you determine your youngster's ability and judgement to operate this kart securely.

Teaching your youngster kart safety is a step-by-step process. It begins with safety rules and moves to actual driving procedures. Since youngsters learn at different rates, it's up to you to set the pace of your youngster's progress. At some point you may decide that he or she is not ready to drive the kart.

Always closely supervise your youngster's driving; this is true even if your youngster has learned and mastered the rules and skills of safe kart driving. Youngsters get tired and become careless easily. They do not always see everything that is important around them. Your close supervision and good judgement are a must.

Show your youngster how to use each control as you describe its action. Refer to this manual to learn control location and function before instructing your youngster. Test yourself by operating the controls. Have your youngster dress in proper protective gear and sit in the machine as you point out each control. It is important to have your youngster wear protective gear whenever sitting in this kart.

2.2 SAFETY INTRODUCTION

In order to keep everyone safe, you must take responsibility for the safe operation of your kart.

To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you to potential hazards that could hurt you or others.

It is not practical or possible to warn you about all hazards associated with operating or maintaining a kart. You must use your own good judgment.

You will find important safety information in a variety of forms, including:

Safety labels - On the kart.

Safety Messages - Preceded by a safety alert symbol  and one of two signal

Words: **WARNING** or **CAUTION**.

These signal words mean:

Physical harm may result from failure to adhere to the instructions that are described within the WARNING labels.



Safety Headings such as Important Safety Reminders or Important Safety Precautions.

Safety Section-such as safety.

Instructions-how to use this kart correctly and safely

This entire manual is filled with important safety information-please read it all carefully.

2.3 PROTECTIVE GEAR

To Parents: kart driving demands that your youngster wear proper protective gear. kart drivers should always wear a helmet, eye protection, gloves, long pants, a long-sleeved shirt or jacket, and over-the-ankle boots. Anything less is not adequate protection. Never let anyone drive a kart without an approved motorcycle helmet. Be sure it fits correctly. It should be snug but not tight. It must be properly fastened. Have you youngster wear safety gear whenever getting in a kart. This action will stress the importance of safety gear and help to develop safe driving habits.

2.4 SAFETY INTRODUCTION

There is much that you can do to protect yourself while operating your kart .You will find many helpful recommendations throughout this manual. The following are a few that we consider to be the most important.

Follow the Age Recommendation

The kart should not be driven by anyone under the age of 8.

Always Wear a Helmet

It's a proven fact: helmets significantly reduce the number and severity of head injuries. Always wear an approved motorcycle helmet. We also recommend that you wear eye protection, sturdy boots, gloves, and other protective gear.

Drive Off-Road Only

Your kart is designed and manufactured for off-road use only. The tires are not made for use on pavements, and the kart does not have turn signals and other features required for use on public roads. If you need to cross a paved or public road, get off and walk your kart across.

Do not operate this kart at night

Dark vision can greatly reduce driver's visibility and judgment. So driving at night is dangerous and can increase the possibility for an accident.

Never run your kart indoors

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

monoxide.

Keep away from moving parts of the kart

The operator of the kart should never place their hands or other parts of their body near moving part of the kart. Failure to adhere to this warning will cause physical harm to your body.

Skidding or sliding

The terrain surface can be a major factor affecting turns. Skidding in a turn is more likely to occur on slippery surfaces such as snow, ice, mud and loose gravel. If you skid on ice, you may lose all directional control. To avoid skidding on slippery terrain, keep you speed low and drive carefully

Hold on to the wheel

Driving without holding on to the steering wheel is very hazardous.

Always drive it at a safe speed, depending on the situation.

Driving down a slope too fast may result in the kart overturning

A wet road prolongs the stopping distance of your vehicle. Therefore always take care that you only drive at a speed at which you are able to stop in time.

Going downhill a considerable speed may be achieved, requiring a longer break path.

Taking sharp bends at a high speed also may cause the kart to overturning

2.5 SAFETY LABELS

This section presents some of the most important information and recommendations to help you drive your kart safely. Please take a few moments to these pages.

The labels should be considered permanent parts of the kart. If a label comes off or becomes hard to read, contact your dealer for a replacement.



2.6 SAFE DRIVING PRECAUTION

Off Road Use Only

The kart and its tires are designed and manufactured for off-road use only, not for pavement. Driving on pavement can affect handling and control. Your youngster should not drive the kart on pavement.



WARNING

Operating this kart on paved surfaces may seriously affect handling and control of the kart, and may cause the vehicle to go out of control.

Never operate the kart on any paved surfaces, including pavements, driveways, car parks and streets.

When driving off-road, also remember to always obey local off-road driving laws and regulations. Obtain permission to drive on private property. Avoid posted areas and obey “no trespassing” signs.

Keep Hands and Feet on Controls

When driving your kart, always keep both hands on the steering wheel and both feet on the foot controls. It is important to maintain your balance and to control the kart. Removing hands or feet away from the controls can reduce your ability to react and control the kart.



WARNING

Removing hands from the steering wheel or feet from the foot controls during operation can reduce your ability to control the Go-kart or could cause you to lose your balance and fall off the Go-kart.

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

Hot components

Show your youngster the engine, exhaust pipe, and muffler. Tell him or her not to touch these parts because they are hot while the engine is running. Explain that they will remain hot after the engine is stopped. Also explain that hands and feet must be kept away from moving parts of kart.

Inspection

Your youngster's safety depends in part on the condition of the kart. Be sure to inspect it before each use. Starting and refuel of the vehicle should be done by responsible adults only. Follow a regular maintenance program.

Adult supervision

Even after young drivers have learned the basic driving skills, direct supervision by an experienced adult is necessary at all times. Make sure that all kart users under your supervision get proper driving instructions. Follow safety precautions strictly to provide a “safety first” approach to kart driving. Teaching your youngster how to drive kart safely will increase the enjoyment of kart driving.

Control Speed

Driving at excessive speed increases the chances of an accident. In choosing an appropriate speed, you need to consider the capability of your kart, the terrain, visibility and other operating conditions, plus your own skill and experience.



WARNING

Operating this Go-kart excessive speed increases your chances of losing control of the Go-kart, which can result in an accident.

Always drive at a speed that is appropriate for your Go-kart, the terrain, visibility and other operating conditions, and your experience.

Use KART on Unfamiliar or Rough Terrain

Before letting your youngster drive in a new area, always check the terrain thoroughly. Don't let them drive fast on unfamiliar terrain or when visibility is limited (with out for obstructions like hidden rocks, bumps, or holes).



WARNING

Failure to use extra care when operating this Go-kart on unfamiliar terrain could result in the Go-kart overturning or going out of control.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the Go-kart.

Never let your youngster drive past the limit of visibility. Maintain a safe distance between their kart and other off-road vehicles. Always exercise caution and use extra care on rough, slippery and loose terrain.



WARNING

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

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced it necessary to control the Go-kart on such terrain. Always be especially cautious on these kinds of

Do not Perform Stunts

Your youngster should always operate their kart in a safe and reasonable manner. When driving, they should always keep all four wheels on the Ground.



WARNING

Attempting wheelies, jumps, and other stunts increases the chance of an accident, including an overturn.

Never attempt stunts, such as wheelies or jumps. Don't try to show off.

Before the kart is driven for the first time, we urge you to:

Read this owner's manual and the labels on your kart carefully.

Make sure you understand all the safety messages.

Know how to operate all the controls and that your youngster has been taught and understands how to operate all the controls.

Before each drive, be sure your youngster:

feel well and is in good physical and mental condition.

is wearing an approved motorcycle helmet (with chin strap tightened securely), eye protection, and other protective clothing.

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

Wear their seat belt at all the times while driving the kart



WARNING

Operating this Go-kart without wearing an approved motorcycle helmet, eye protection, and protective clothing could increase your chances of head and/or eye injury, and the possibility of death in the event of a severe accident. Always wear an approved motorcycle helmet fits properly and wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket and pants.

To parents: additional signs of physical readiness can be observed in your youngster's other play activities. In general, a youngster should be well-coordinated and have good balance. This coordination can be demonstrated by the abilities such as using a skipping, jumping rope, skates, a skateboard, riding a bicycle, etc. if a youngster cannot perform well in these types of activities, more physical development is required.



WARNING

Operating this Go-kart with no seat belt could cause you to be thrown from the vehicle

To parents: one indicator that youngsters are ready to drive a kart is when they show a safety-conscious attitude and are aware of the dangers of kart operation.

If the youngster has a habit of rashness or is involved in accidents often while using a bicycle or skateboard, the youngster is not ready to drive this kart.

A: following questions can help PARENTS further pinpoint whether youngster is ready to drive:

1. can youngster place his or her feet firmly, easily on the foot pedal?
2. Can youngster's hands reach the steering wheel comfortably? Can your youngster operate the

steering wheel?

- 3、 Can your youngster push the foot pedal brake downward with enough strength?
- 4、 Does your youngster understand the controls of the kart?

REA- DRIVE INSPECTION(TO Parents)

Before you continue:

- 1、 Have you determined your youngster's readiness to drive this kart? Do not let your youngster drive if you have any doubt.
- 2、 Have you read this manual and reviewed it with your youngster?
- 3、 Have you inspected the vehicle and maintained it according to this manual?
- 4、 Is your youngster wearing the proper protective gear?
- 5、 Has your youngster learned to locate the kart controls without help? Does he or she know how to operate them smoothly?
- 6、 Does your youngster understand he or she must always drive off-road?
- 7、 Have you stressed to your youngster the importance of keeping his or her feet on the foot pedals and their hands on the steering wheel.

B. Practicing area(to parents)

The best place for learning is a level area 100'x200' that is free from obstacles such as rocks, stumps, or holes. The learning area may have a loose or hard dirt surface. A grassy surface is also acceptable. It should not have two different surfaces. Be sure there is enough room to maneuver, and that no other drivers are close by.

C. Getting used to the vehicle in motion(to parents)

Getting the feel on foot pedal brake: be sure your youngster is wearing all of the proper protective gear. With the engine still OFF, have your youngster go inside kart. If you physically can, push the vehicle slowly. Have your youngster brake to feel how much pressure is needed for a smooth stop. Practice this several times until you are sure this skill is developed. Remind your youngster to keep his or her head up and look forward and to keep both feet on foot pedals.

Getting the feel on the foot pedal throttle control: with the engine off , have your youngster practice smoothly moving the foot pedal throttle control. Your youngster will learn how much pressure it takes to start moving in a later exercise.

Explain that pushing the throttle will increase speed. Releasing the throttle and applying the brake will slow kart down .ask your youngster to tell you how throttle control and applying the braking affect kart's speed.

Getting the feel on turning: first with kart stopped and engine OFF, look in the direction of the turn, turn steering wheel in the direction of the turn ,repeat this exercise while you are slowly pushing your youngster on kart. Make sure he or she can turn the vehicle in both directions using this technique.

This vehicle is configured with remote engine stop switch. This allows the supervisor to follow close behind and stop the engine.

The may continue to roll for some distance. Watch the distance must be included in the stopping

space of Go-kart and that this distance may increase with speed.

Pre-drive Inspection

Check the following items before you get on the GO-kart:

Engine oil

Check the level and add oil if needed. Check for leaks

Fuel

Check the level and fuel if needed. Also make sure the fuel fill cap is securely fastened check for leaks

Tires

Use a gauge to check the air pressure. Adjust if needed. Also look for signs of damages or excessive wear.

Nuts & Bolts

Check the wheel to see that the axle nuts tight. Use a wrench to make sure all accessible nuts, bolts, and fasteners are tight.

Seat belt

Make sure seat belt is fastened and locking latch is working.

SPECIFICATIONS

DIMENSIONS

OverallLength	58.5 in (1485mm)
OverallWidth	36.2 in(914mm)
OverallHeight	43.3 in(1092mm)
Wheelbase	41.7 in(1060mm)
FrontTrack	32 in(812mm)
RearTrack	27.9 in(711mm)
GroundClearance	3.5 in(90mm)

ENGINE

Type	Single , Forced air-cooled. 4-Stroke
Bore/Stroke	2.7 in X 1.8 in(68mmX45mm)
Displacement	163cc
CorrectedCompressionratio	8.5:1
Carburetor	RX
OutputPower	5.5H.P/3600rpm
MaximumTorque	8.0ft-lbs/5500rpm
Starting	pull
Ignition	C.D.I
Lubrication	Force & Splash
Transmission	Automatic
Sparkplug	F7RTC(TORCH)
Plugglug	0.7~0.8mm
FuelType	RQ90(unleaded)
Lubricate oil	SAE10W-30

CAPA CITIES

Maximum load	Double Seats/ 400 Lbs
Fuel tank	1.2L

Engine oil.....	19.4Oz
Starting	< 5s
Brake Track.....	< 7m@10miles/h
Top speed	12.4miles/h(or limited as customers require)

CHASSIS

Read brake	disc
Front tire	4.10-6
Read tire.....	13*5.0-6
Front Suspension.....	Independent Dual A-Arm
Read Suspension.....	Swing Arm/ Double Oil Damped Shocks
Restraint System.....	Dual 2-point harness

TIRE PRESSURE

Front.....	7~9psi
Rear.....	7~9psi

WEIGHT

Net Weight.....	176LBS(76Kg)
Gross Wight.....	260LBS(113Kg)

PACKING DIMENSIONS

Dimension.....	59X31.5X20.5 in(1500x800x520mm)
Loading quantity.....	115pcs/1x40'HQ
Dimension	59.6X44.6X24in(1510x1130x600mm)
Loading quantity	64pcs/1x40'HQ

A. Operation controls

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

a. Throttle

The right foot pedal is the throttle that controls the go-kart speed. As the engine speed increased above idle, the clutch automatically engages and moves the vehicle forward. To disengage the clutch at any time, allow the throttle to return to the idle position.(see Fig. 1)

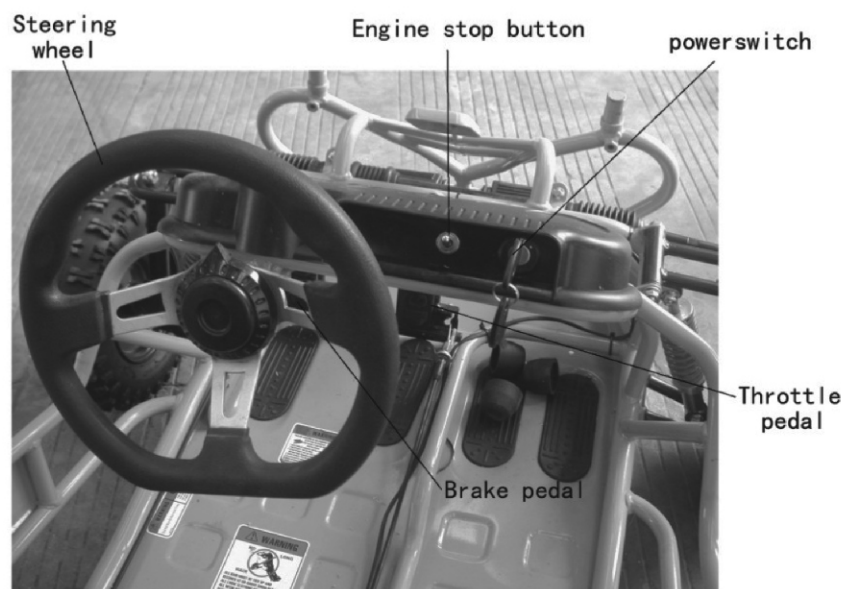


WARNING

Each time prior to starting engine, check the throttle assembly to ensure that when the pedal is pushed all the way forward the assembly is working smoothly and returns to idle when released. Do not operate if pedal or engine throttle linkage fail to return to idle. If unable to correct the problem through lubrication, adjustment or replacement of worn parts, contact your dealer for assistance

b. Brake

The brake is located on the left side of the go-kart. Applying pressure to the pedal draws the brake caliper around the brake disc at the rear wheel and slowly stops the go-kart.



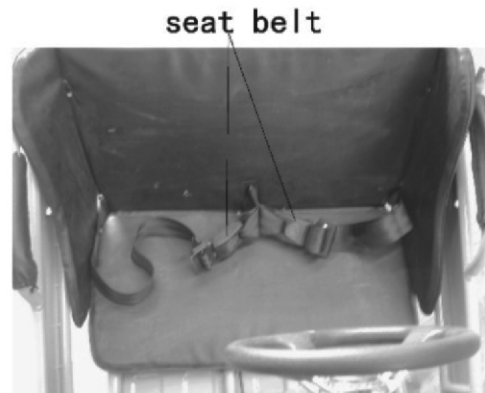
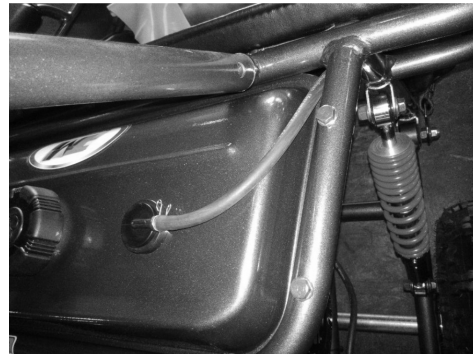
c. Start the engine in three ways:

You can start the engine by turning on the key switch from dash board . Plugin in the key  and turn to the right. Engine stop switch to “ON” , And then by pull start.

NOTE: Make sure your key is turned to the running position.

d.. Engine stop switch

To stop the engine , switch off the engine stop switch , and hold turn the ignition key to the “OFF” position and remove the key



ADJUSTING THE THROTTLE AND BRAKE CABLES

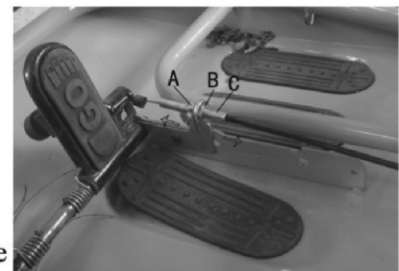
Adjustment the Shock spring

To change the setting of the shocks from hard to soft is easy, you will need to get a wrench at your local hardware store. Take your wrench and on the shock marked(A) you will see notches made for the wrench to hold on to. By turning the wrench left or right like (B) or (C) you can adjust the shock setting as you wish. Adjust the spring all the way to the left will give you a harder ride. If you wish to soften the ride then go all the way to right. Your kart has been fitted with two front shocks and two rear shocks so that you may tune your kart ride to best suit your riding comfort.



Adjusting the throttle and brake cable

To adjust the throttle cable or the brake cable on your kart you need to first untighten the nut marked(A) and (B). Once you have done this, pull back on the cable housing marked(C) to pull out the cable. Tighten nuts(B) and (A) to secure the slack in position. Try the pedals and make sure you are getting a good pulling from the cable it self. Once you are satisfied with the adjustment, secure all nuts to complete the adjustment.



Adjusting the foot pedals

This kart has been made with foot pedals that can be moved so your child can grow with the kart. First remove the bolts(A) and (D) in figure 6 and 7. once you have done this, you are able to move the cable holder and the pedal rod with the pedals together. The 1 or 2 hole is for the pedal rod alternative positions, (B) or (C) hole is for the cable holder. There is only one bolt that holds the pedal rod in place. On the brake pedal side there is a slot for the pedal rod to fit into, once you have picked out the holes for setting, just slide the pedal rod and cable holder together and repeat the same steps to fasten all bolts and nuts. Remember not to take pedals off the rod. By doing so your spring can become loose. Make sure after you have done the adjustment, the pedals are working and will return to its original position.



Front Wheel Alignment

a. The front wheels should toe-in from 1/8 to 1/4 inch. To check for alignment, measure distance A and B between the centerline (CL) of the wheels. The proper toe-in dimension A should be 1/8 to 1/4 inch greater than dimension B.

b. To adjust the alignments, loosen the lock nuts on both sides of Front Tie Rods.

To make Dimension B smaller, turn the rod to left. Adjust the rod to right direction to make Dimension B larger. After adjusting to the desired length, tighten the lock nut against the rod end. Recheck the dimension for proper alignment.



PERIODICAL CHECK AND SERVICES

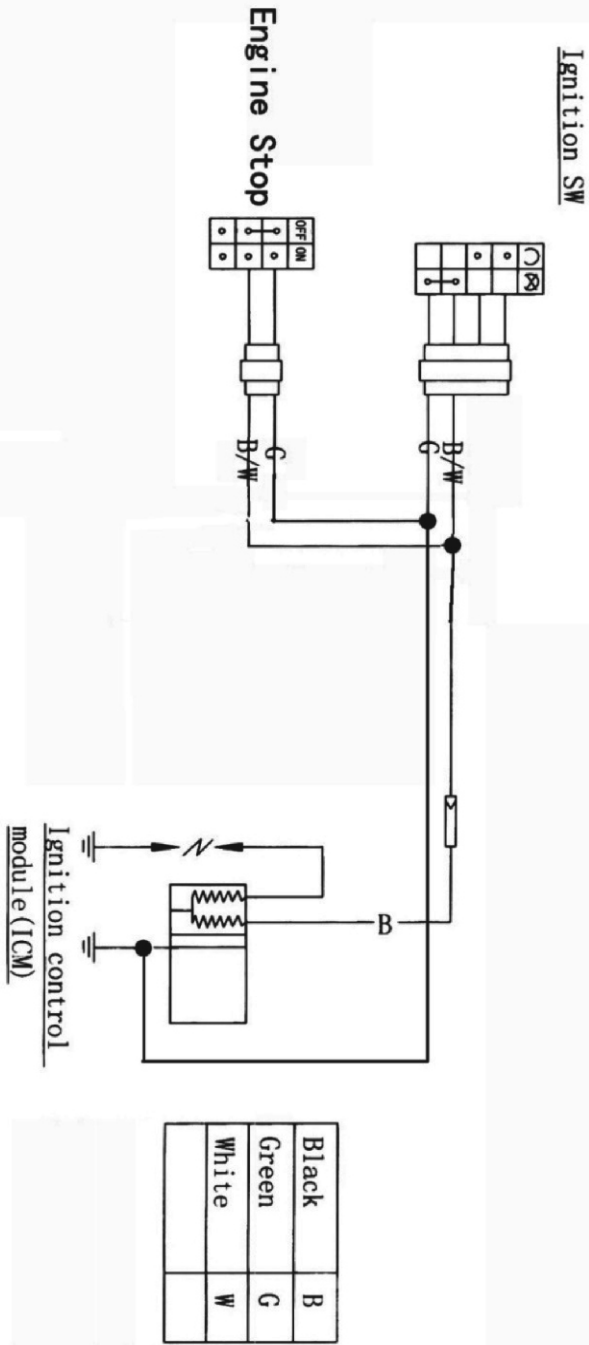
To keep the performance good, the motorcycle should be checked and maintained at certain interval. The meanings of capital in following table are:

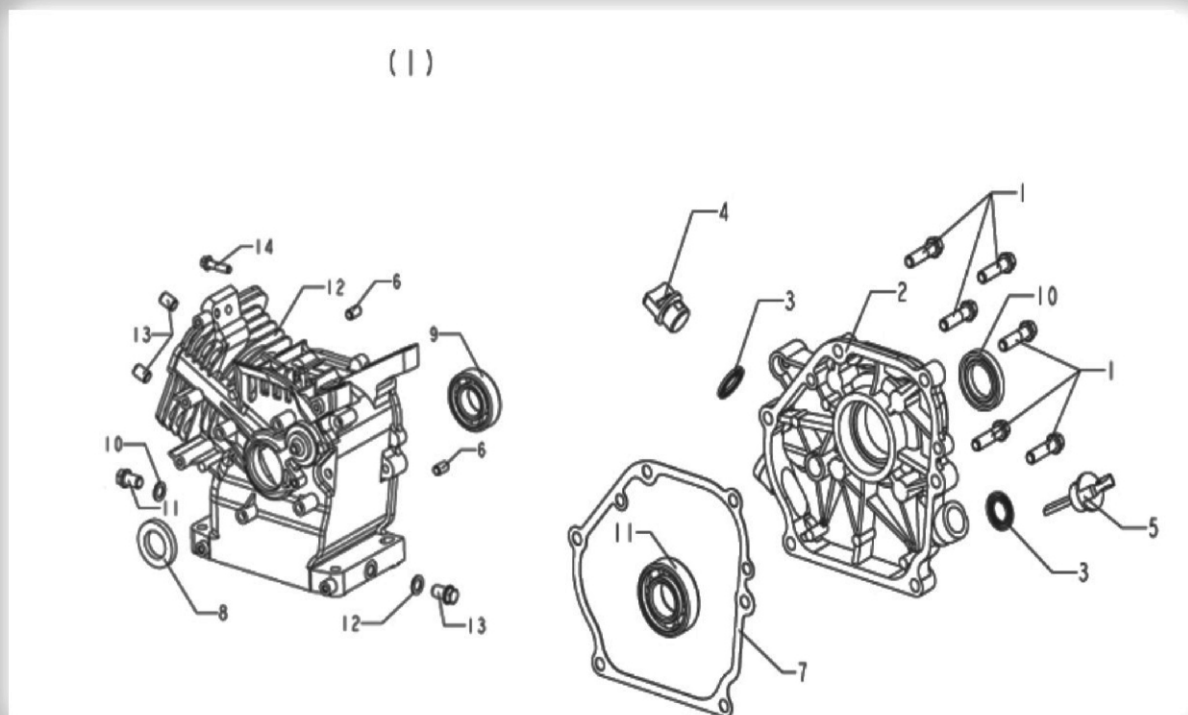
I: Inspection, including check, clean, lubricate, refuel, repair or replacing if necessary.

A: Adjusting C: Cleaning R: Replacing T: Tightening

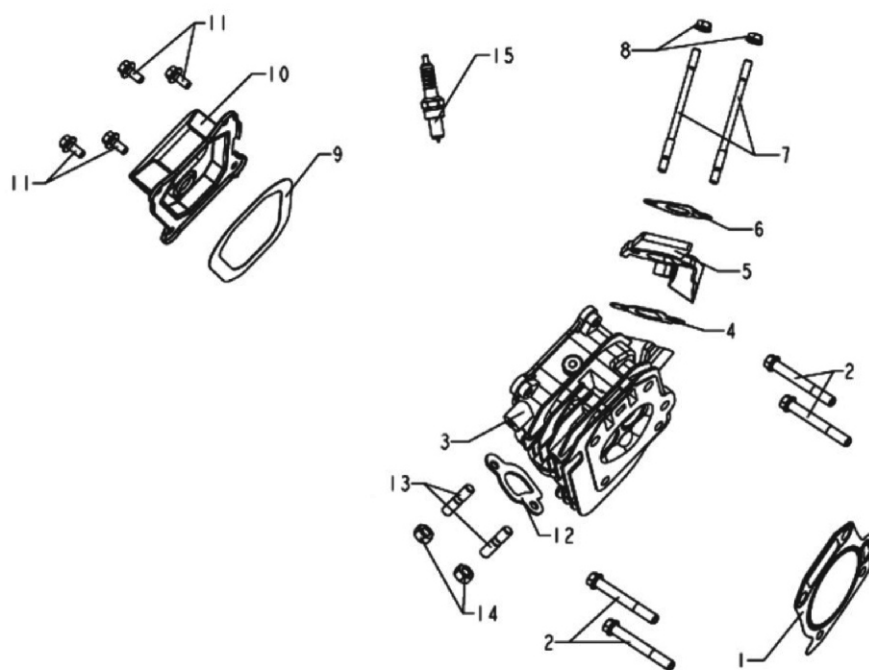
Maintenance period Items		Odometer (km)												Everyday check before riding
		300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	
Engine oil		R	R		R		R		R			R		I
Air filter		Clean filter every 2000~3000 km. change it when necessary												
Spark plug		Initial 1000km and Clean every 3000~4000km change it when necessary												
Valve gap			A			A			A				A	
Carburetor		I				I,C			I,C				I,C	
Gas filter									R					
Brake system			I	I	I	I	I	I	I	I	I	I	I	I
Driving chain			I						I					I
Fasteners		T					T				T			
Bat tery												I		
* When the mileage is over the highest on the table, please perform according to the period set on the table														
* Driving on dust place, it is recommended to clean it frequently.														

ELECTRICITY PRINCIPLE DIAGRAM

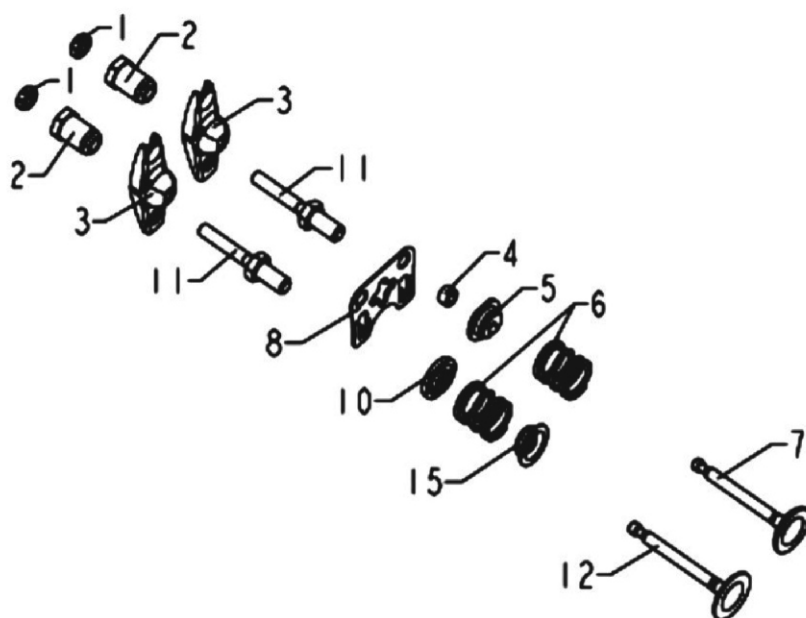




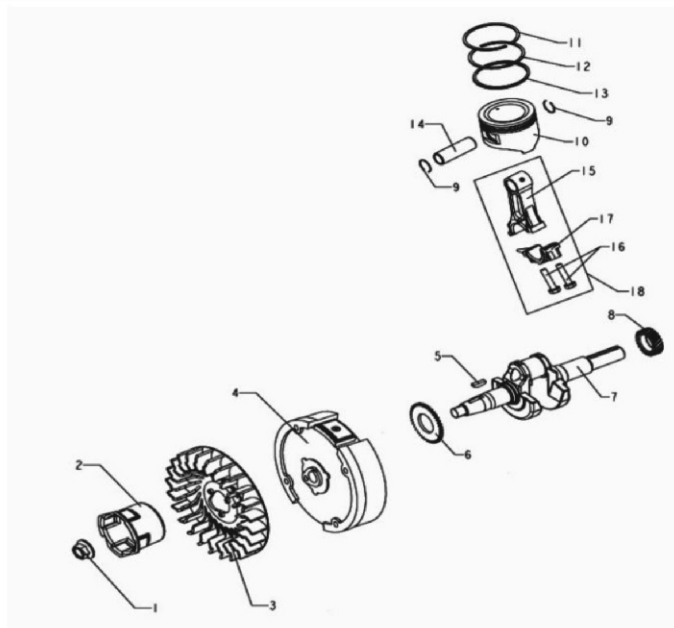
REF NO.	PART NO.	DESCRIPTION		Qty.
(1)				
1	GB/T5787-1986	Bolt M8X30		6
2	QJ168QDJ.01-01	Cover,Crankcase		1
3	QJ168QDJ.01-05	Waasher,Seal		2
4	QJ168QDJ.01-04	Guage,Engine Oil		1
5	QJ168QDJ.01-03	Cover,Supply Oil Mouth		1
6	157.3-8	Guide,Dowel		2
7	QJ168QDJ.01-02	Spacer,Crankcase		1
8	QJ168QDJ.01-01	Oilseal Assy		2
9	GB/T276-1994	Bearing		2
10	QJ166QDK.01-07	Spacer,Drain Plug		2
11	QJ166QDK.01-06	Drain Plug		1
12	QJ168QDJ.01.02	Crankcase Assy		1
13	GB5789-1986	Bolt M6X25		1
14	157.3-6	Guide,Dowel		2



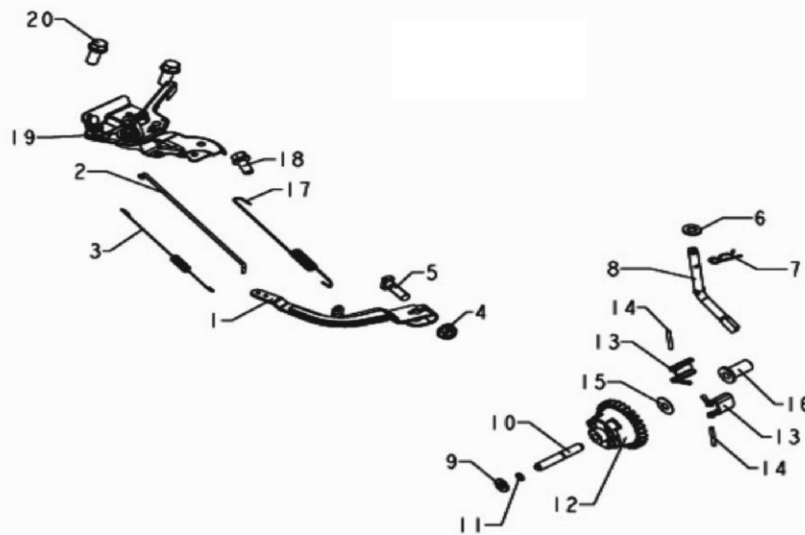
REF NO.	PART NO.	DESCRIPTION	Qty.
(2)			
1	QJ168QDJ.02.02	Spacer Assy,Cylinder Head	1
2	GB5787-1986	Bolt M8X60,Cylinder Head	4
3	QJ168QDJ.01.01	Cylinder Head	1
4	QJ168QDJ.02-04	Spacer 1	1
5	QJ168QDJ.02-02	Mattress,Heat Insulating	1
6	QJ168QDJ.02-05	Spacer 2	1
7	QJ168QDJ.02-03	Bolt,Intake Pipe	2
8	GB/T6177-2000	Nut M6	2
9	QJ168QDJ.02-06	Spacer,Seal	1
10	JF168FJH-15.02.01	Clipboard	1
11	GB/T5789-1986	Bolt M6X14	4
12	QJ168QDJ.02-01	Spacer,Exhaust Pipe	1
13	QJ168QDJ.02-07	Bolt,Exhaust Pipe	2
14	GB/T6170-2000	Nut M8	2
15	QJ1E50FMG.1.2	Spark Plug	1



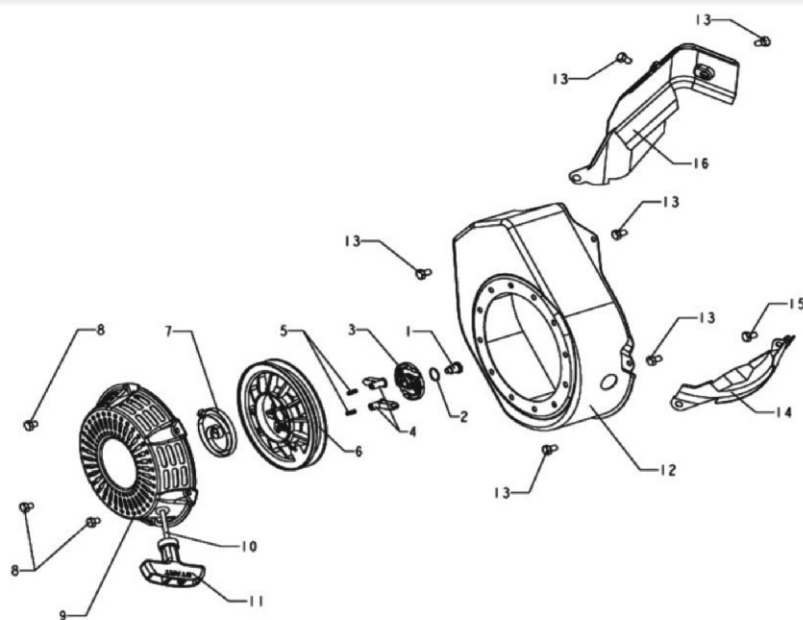
REF NO.	PART NO.	DESCRIPTION		Qty.
(3)				
1	QJ166QDK.03-11	Adjusting? Nut, Valve Clearance		1
2	QJ182QDP.03-07	Buttonhead, Arm		4
3	QJ168QDJ.03-09	Arm		1
4	QJ168QDJ.03-02	Cap, Exhaust Door Rod		1
5	QJ168QDJ.03-10	Upper Retainer, Exhaust Door Spring		1
6	QJ168QDJ.03-07	Spring, Valve		1
7	QJ168QDJ.03-05	Valve, Exhaust		2
8	QJ168QDJ.03-03	Guide Plate, Connecting Stud		2
9	QJ168QDJ.03-02	Rod, Connecting		1
10	QJ168QDJ.03-08	Upper Retainer, Intake Door Spring		1
11	QJ168QDJ.03-04	Adjusting Stud, Valve Clearance		4
12	QJ168QDJ.03-06	Valve, Intake		1
13	QJ168QDJ.03-01	Stud, Connecting		2
14	QJ168QDJ.03.01	Camshaft		2
15	QJ168QDJ.03.03	Oilseal, Valve		1



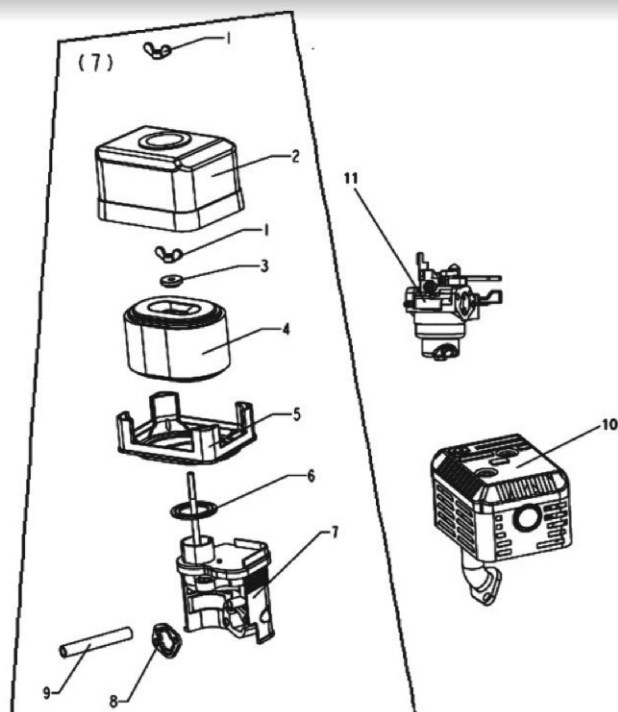
REF NO.	PART NO.	DESCRIPTION		Qty.
(4)				
1	QJ168QDJ.04-06	Nut, Clamp		1
2	QJ168QDJ.04-10	Ratchet Wheel		1
3	QJ168QDJ.04-11	Fan		1
4	QJ168QDJ.04.03	Flying Wheel		1
5	QJ182QDP.04-03	Key		1
6	QJ168QDJ.04-09	Driven Gear, Adjusting		1
7	QJ168QDJ.04-07C	Brance		1
8	QJ168QDJ.04-08	Gear, Crankshaft Timing		1
9	QJ168QDJ.04-05	Circlip, Piston Pin		2
10	QJ168QDJ.04-01	Piston		1
11	QJ168QDJ.04-02	Ring, First		1
12	QJ168QDJ.04-03	Ring, Second		1
13	QJ168QDJ.04.01	Oil Ring Assy		1
14	QJ168QDJ.04-04	Pin, piston		1
15	QJ168QDJ.04.02-01	Rod, Connecting		1
16	QJ166QDK.05.02-03	Bolt, Connecting Rod		2
17	QJ168QDJ.04.02-02	Cover, Connecting Rod		1
18	QJ168QDJ.04.02	Connecting Rod Assy		1



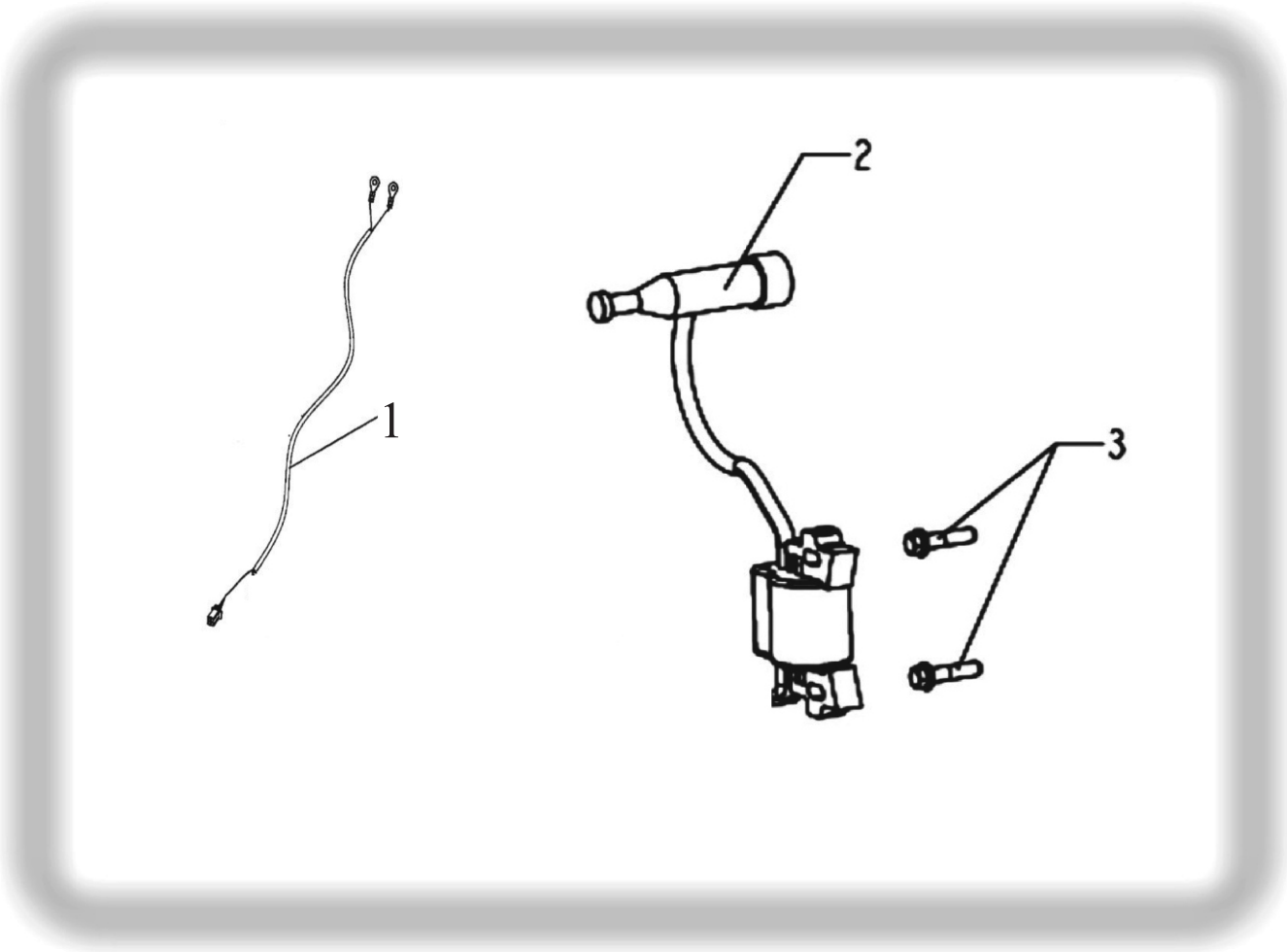
REF NO.	PART NO.	DESCRIPTION	Qty.
(5)			1
1	QJ168QDJ.05-01	Arm	1
2	QJ168QDJ.05-07	Rod Tension	1
3	QJ168QDJ.05-06	Spring 2,Tension	1
4	GB/T6177-2000	Nut M6	1
5	QJ182QDP.06-03	Bolt,Square	1
6	QJ168QDJ.05-09	Spacer 2	1
7	QJ182QDP.06-02	Circlip	1
8	QJ168QDJ.05-03	Fork	1
9	QJ166QDK.06-03	Spacer 1	1
10	QJ168QDJ.05-04	Pin	1
11	QJ166QDK.01-02	Circlip	1
12	QJ168QDJ.05.02-01	Adjustment,Centrifugal	1
13	QJ168QDJ.05.02-03	Block,Centrifugal	2
14	QJ168QDJ.05.02-02	Pin	2
15	QJ168QDJ.05-08	Spacer 3	1
16	QJ168QDJ.05-02	Cover,Push Rod	1
17	JF168FJH-7.03-01	Spring 1,Tension	1
18	GB/T5789-1986	Bolt M6X10	2
19	JF168FJH-7.03.01	Handle Assy	1
20	GB/T5789-1986	Bolt M6X25	1



REF NO.	PART NO.	DESCRIPTION		Qty.
(6)				
1	QJ168QDJ.06-05	Screw		1
2	QJ168QDJ.06-06	Circlip		1
3	QJ168QDJ.06-04	Plate Guide		1
4	QJ168QDJ.06-01	Block Clutch		2
5	QJ168QDJ.06-02	Spring,Pressure		2
6	QJ168QDJ.06-03	Table,Rotary		1
7	QJ168QDJ.06-07	Spring,Turbation		1
8	GB/T5789-1986	Bolt M6X8		3
9	QJ168QDJ.06.01	Cover,Starting		1
10	QJ168QDJ.06-08	Rope,Strating		1
11	QJ168QDJ.06-09	Handle		1
12	QJ168QDJ.06.02.02	Cowling		1
13	GB/T5789-1986	Bolt M6X10		6
14	QJ168QDJ.06.02.01	Plate 1 Driversion		1
15	GB/T5789-1986	Bolt M6X14		1
16	QJ168QDJ.06.02-01	Plate 2 Driversion		1

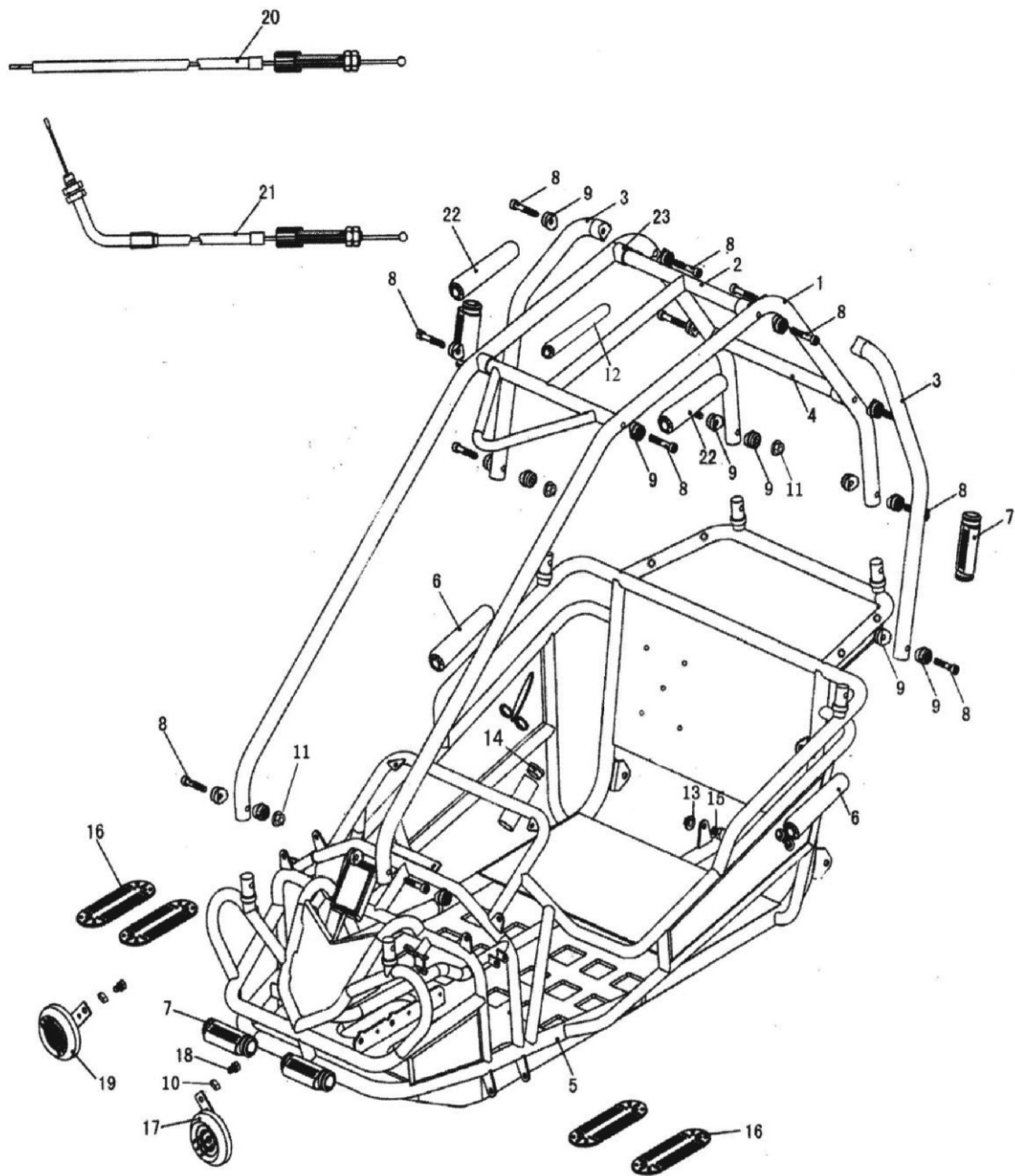


REF NO.	PART NO.	DESCRIPTION		Qty.
(7)	QJ168QDJ.07B	AIR CLEANER ASSY		1
1	GB62-88	Nut M6		2
2	QJ168QDJ.07-04B	Cover,Filtering		1
3	ZJ168FJH.07.01.01-02	Seal		1
4	ZJ168FJH.07.01.01	Core,Filtering		1
5	ZJ168FJH.07.01-02	Bracket,Filtering		1
6	ZJ168FJH.07.01-03	Seal		1
7	QJ168QDJ.07.01	Cover,Upper Body		1
8	QJ168QDJ.07.03	Seal,Air Cleaner		1
9	QJ168QDJ.07-01	Colloid Pipe		1
10	QJ168QDJ.08	MUFFLER ASSY		1
11	QJ168QDJ.09	CARBURETOR ASSY		1



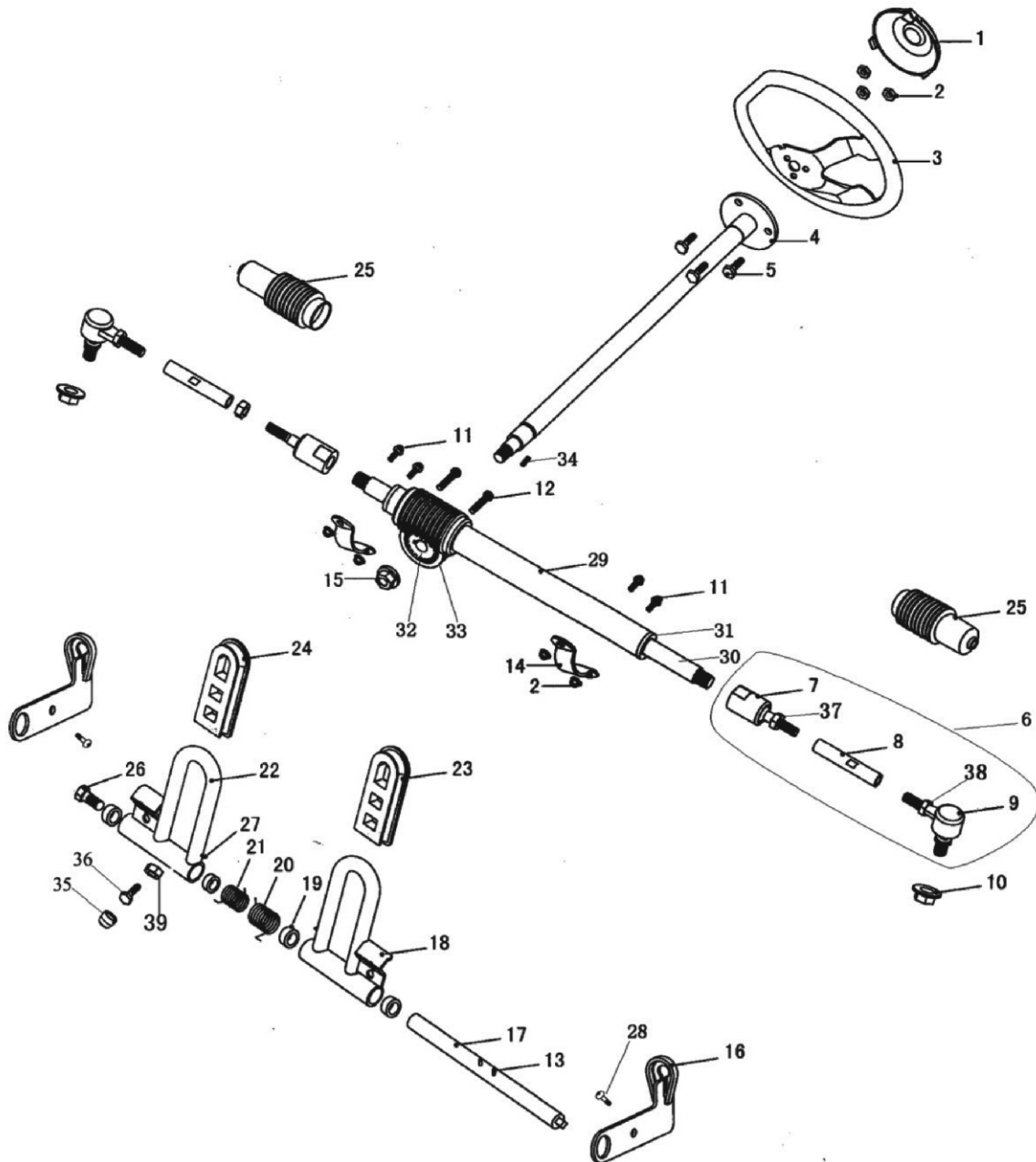
REF NO.	PART NO.	DESCRIPTION		Qty.
(8)				
1	JF168FJH-8B.06.02	Engine stop wire assy		1
2	QJ168QDJ.11.03	Winding Assy		1
3	GB/T5789-1986	Bolt M6X25		2
4				
5				

FRAME GROUP



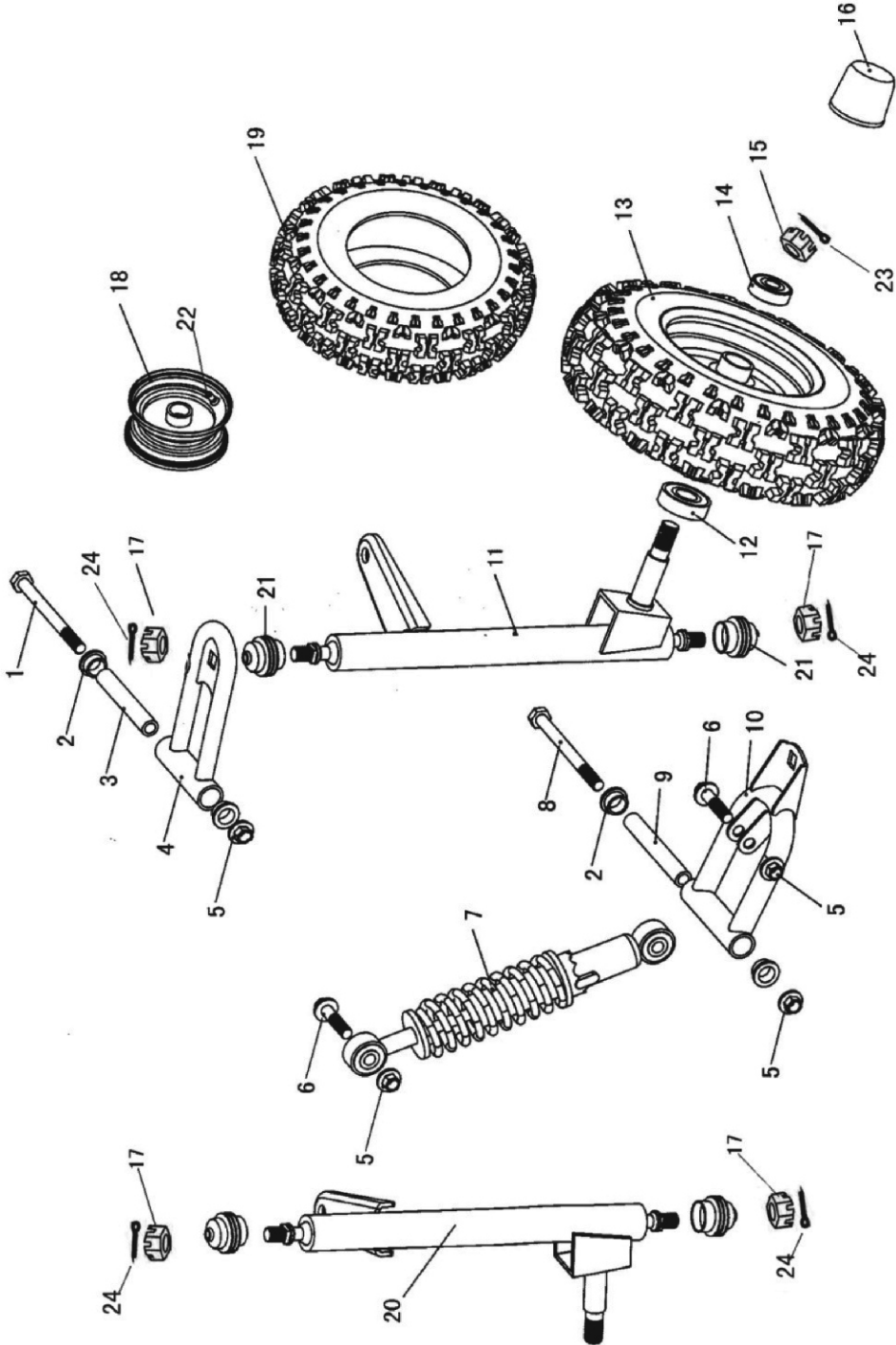
REF NO.	PART NO.	DESCRIPTION		Qty.
12-1	8070045050GH02	CUSTOM BAR CAGE. Black		2
12-2	6000194050GH02	CUSTOM CROSS BAR TOP, FR. Black		1
12-3	8070046050GH02	CUSTOM J-BAR, L.R. SIDE Black		2
12-4	8080041050GH01	CUSTOM CROSS BAR, RR. Black		1
12-5	2000037050GHB3	FRAME COMP. (R.S. Y, P)		1
12-6	6000189050G000	FOAM PADDING —22		2
12-7	7020048050G000	RUBBER PROTECTOR		4
12-8	57870804512505	ALLEN HEAD BOLT M8×1.25×45		14
12-9	7010047050G000	R-WASHER		20
12-10	61870800012505	NUT M8X1.25		2
12-11	61870800012505	NUT M8X1.25		6
12-12	600019050G000	FOAM PADDING		1
12-13	61871000012505	LOCKING FLANGE NUT, M10		1
12-14	2010.006	STEERING SHAFT BUSH		1
12-15	70001001612504	ALLEN HEAD BOLT M10×1.25×16		1
12-16	2020.045	RUBBER FOOT PLATE		4
12-17	6000135250G000	HORN, H		1
12-18	57890801612505	FLANGE BOLT M8×1.25×16		2
12-19	6000136250G000	HORN, L		1
12-20	6030132050G000	THROTTLE CABLE COMP.		1
12-21	6001000050G0A0	BRAKE CABLE COMP.		1
12-22	6000191050G000	FOAM PADDING —30		2
12-23	7010045050G000	CUSTOM BAR CAGE CAP		8

STEERING SHAFT ASSY.



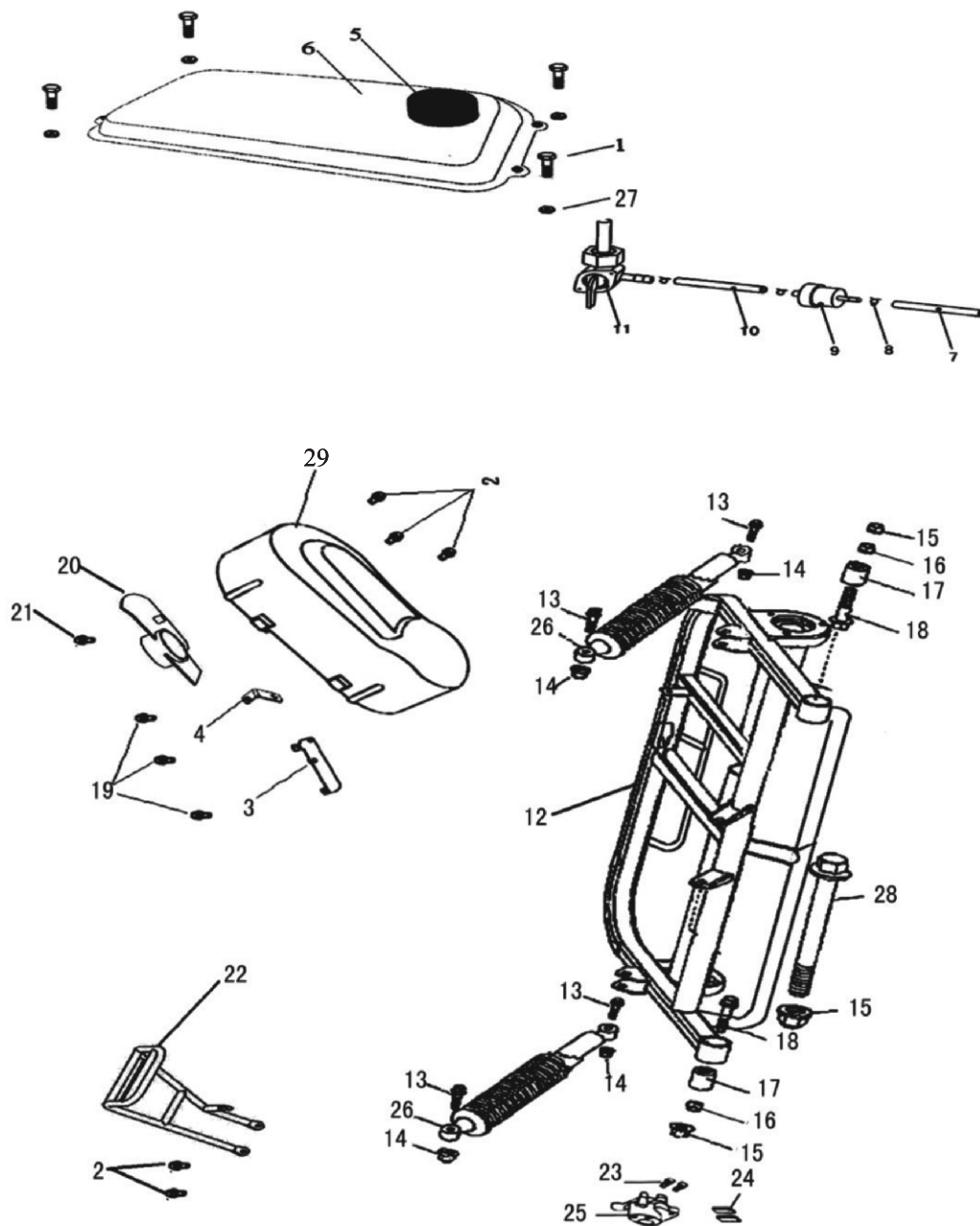
REF NO.	PART NO.	DESCRIPTION	Qty.
13-1	7010056080G000	STEERING BOLT COVER	1
13-2	61820600610005	LOCKING NYLON NUT M6	7
13-3	7020057080G000	STEERING WHEEL	1
13-4	2000056080G001	STEERING SHAFT	1
13-5	57870601610005	BOLT, M6×16	3
13-6	8000002050G000	TIE ROD ASSY	2
13-7	6000.180	STEERING BALL JOINT	2
13-8	8010135050G000	TIE ROD	2
13-9	6000181080GH00	ROD END	2
13-10	61870800012505	LOCKING NYLON NUT M8	2
13-11	57890602010005	FLANGE BOLT, M6×20	4
13-12	90741501210005	BOLT, M5×12	2
13-13	87910300200000	ROLL PIN Φ3×20	2
13-14	8020130080GH00	STEERING GEAR BRACKET.	2
13-15	61871000012505	LOCKING NUT M10	1
13-16	8020144050GH00	PEDAL BRACKET	2
13-17	8010103050G200	PEDAL BOLT	1
13-18	4000025050GH00	BRAKE PEDAL COMP.	1
13-19	7010003250G000	PEDAL BUSH	4
13-20	8040011080G000	BRAKE PEDAL RETURN SPRING, R	1
13-21	8040010080G000	THROTTLE PEDAL RETURN SPRING, L	1
13-22	4000026050GH00	THROTTLE PEDAL COMP.	1
13-23	7020043080G000	BRAKE PEDAL PAD	1
13-24	7020044080G000	THROTTLE PEDAL PAD	1
13-25	7020059080G000	STEERING BALL JOINT DUST COVER	2
13-26	70000801612505	ALLEN HEAD BOLT M8×1.25×16	1
13-27	87910300160000	ROLL PIN M3×16	2
13-28	90741501210005	BOLT, M5×12	2
13-29	4012000050G000	Steering Gear	1
13-34	8010082080G000	key 4x4x10	1
13-35	14-0502-00	Rubber Foot Pedal Stop	1
13-36	7000805012505	Alen Bolt M8x50	1
13-39	61700800012505	NUT GB6170 M8	1

SUSPENSION ARM ASSY.



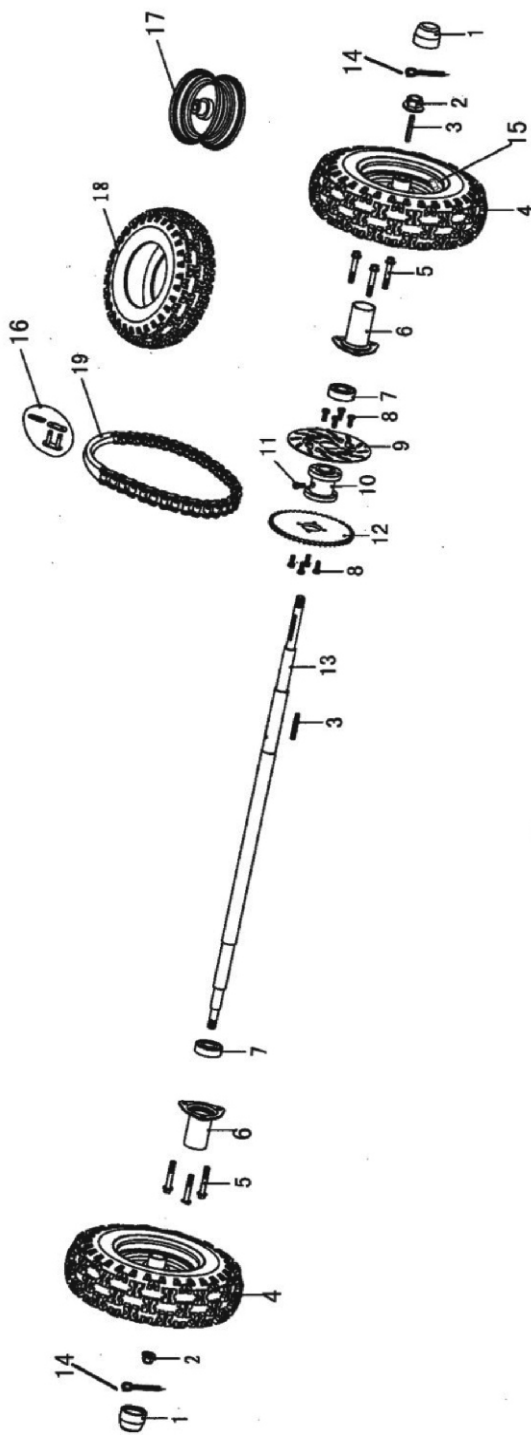
REF NO.	PART NO.	DESCRIPTION		Qty.
14-1	57890809512505	FLANGE BOLT M8x1.25x95		2
14-2	7010003250G000	UPPER SUSPENSION ARM BUSH.		8
14-3	8010104050G000	UPPER SUSPENSION ARM COLLAR.		2
14-4	4000020050GH00	UPPER SUSPENSION ARM		2
14-5	61870800012505	LOCKING FLANGE NYLON NUT M8		8
14-6	57890803012505	FLANGE BOLT M8x1.25x30		4
14-7	6000172050G000	CUSHION ASS'Y. FR.		2
14-8	57890810512505	FLANGE BOLT M8x1.25x105		2
14-9	8010015250G000	LOWER SUSPENSION ARM COLLAR.		2
14-10	4000021050GH00	LOWER SUSPENSION ARM ASS'Y.		2
14-11	2000031050G000	SPINDLE AND STRUT SUPPORT, R		1
14-12	62042RS0000000	BEARING 6204		2
14-13	6.100.169-BK	FRONT WHEEL ASSY.		2
14-14	9.030.009	BEARING 6201		2
14-15	94571200012505	NUT M12		2
14-16	7020039250G000	HUB COVER. FR.		2
14-17	94571000012505	NUT M10		4
14-18	60001820050G000	RIM, FR		2
14-19	4400100080G0B0	TIRE, FR A004 145/70-6		2
14-20	2000032050G000	SPINDLE AND STRUT SUPPORT, L		1
14-21	7020061080G000	BALL HEAD DUST SEAL		4
14-22	7190018250G000	Air Valve		2
14-23	GB912503000002	COTTER PIN Φ 2.5X30		2
14-24	GB912002500002	COTTER PIN Φ 2X25		4

REAR SWING ARM



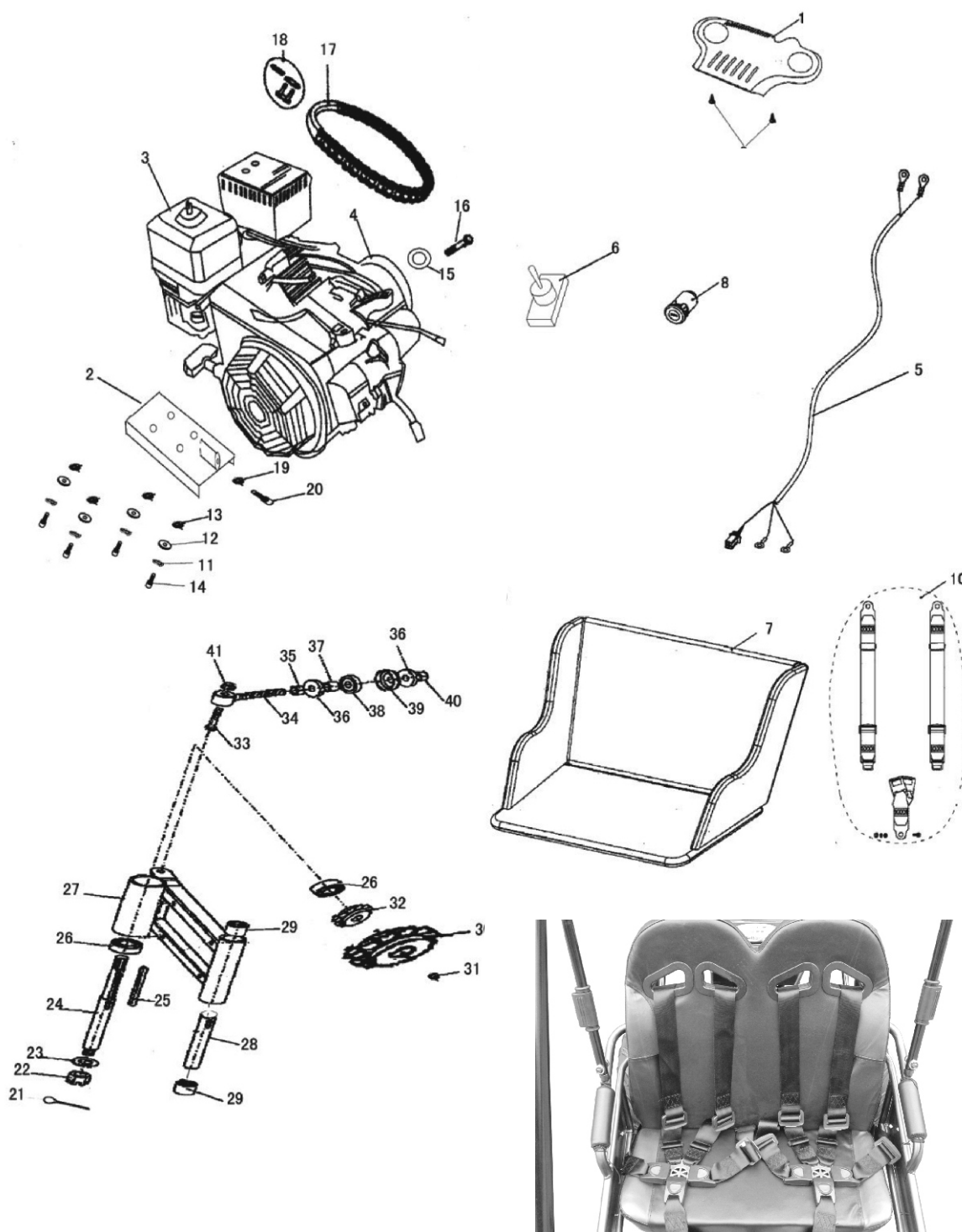
REF NO.		DESCRIPTION		Qty.
15-1	57890603210005	FLANGE BOLT, M6×32		4
15-2	57890601210005	FLANGE BOLT M6×12		5
15-3	7100002050GH00	FIXER PLASTIC I		1
15-4	7.100.001	FIXER PLASTIC II		1
15-5	6000145080G0A0	FUEL FILTER CAP COMP.		1
15-6	4000019050G001	FUEL TANK COMP.		1
15-7	7020030050G000	FUEL TUBE, #1		1
15-8	621A0800000000	FUEL TUBE CLIP		4
15-9	6000056250G000	FILTER		1
15-10	7020029050G000	FUEL TUBE, #2		1
15-11	6000046250G000	FUEL COCK ASS'Y		1
15-12	14060200050GH0B0	REAR SWING ARM		1
15-13	57890803012505	FLANGE BOLT M8×1.25-30		4
15-14	61870800012505	LOCKING FLANGE NUT M8		4
15-15	61871000012505	LOCKING FLANGE NUT M10X1.25		3
15-16	61701000012505	NUT M10X1.25		2
15-17	7020056050G000	REAR SWING ARM BUSH		2
15-18	57891005012505	FLANGE BOLT M10×1.25X50		2
15-19	57890801612505	FLANGE BOLT M8×16		3
15-20	14-0207-00	Plastic Chain Guard 2		1
15-21	8180503010004	BOLT M5X30		1
15-22	14-0603-00	Exhaust Guard, Stand	excluding GK50 XRX/R	1
15-23	12111208031	ALLEN BOLT M6×16		2
15-24	7120060050G000	BRAKE PAD SET, RR		1
15-25	6000178080G001	CALIPER ASSY. RR		1
15-26	6000173050G000	CUSHION ASS'Y. RR		2
15-27	61820600010005	NYLON NUT M6		4
15-28	57871018012505	FLANGE BOLT M10×1.25X180		1
15-29	8110021050G000	DIRVE COVER PLASTIC		1

REAR HOUSING



REF NO.	PART NO.	DESCRIPTION		Qty.
16-1	7020039250G000	HUB COVER, RR.		2
16-2	9457160001505	LOCKING FLANGE NUT M16		2
16-3	8010138050G000	AXLE KEY		3
16-4	6.000.170-BK	REAR WHEEL ASS'Y.		2
16-5	57890801612505	FLANGE BOLT M8×1.25×16		6
16-6	6000196080GH00	AXLE COVER		2
16-7	62042RS00000000	BEARING, 6204		2
16-8	57890601610005	FLANGE BOLT M6×16		8
16-9	8010098050G000	DISC, BRAKE. RR.		1
16-10	8010097050G100	REAR AXLE HUB		1
16-11	70000801012505	ALLEN HEAD BOLT M8×1.25×10		1
16-12	8010099050G000	REAR SPROCKET		1
16-13	8010107050G0B3	REAR AXLE		1
16-14	GB913004000002	cotter Pin 3 x 40		2
16-15	7190018250G000	Air Valve		2
16-16	6000199050G000	MASTER LINK		1
16-17	6000183050G001	RIM, RR.		2
16-18	4403100050G001	TIRE, RR A004 16x8-7		2
16-19	9070004050G000	DRIVE CHAIN		1

WIRE HARNESS / ELECTRICAL / SEAT / CLUTCH ASSY



REF NO.		DESCRIPTION	Qty.
F17-1	1402050050G000	SWITCH PANEL COVER	1
F17-2	1406050050G000	Engine Mounting Plate	1
F17-3	5F168F3H-8CC	ENGINE COMP.	1
F17-4	1411020050G000	Clutch	1
F17-5	8002501050G000	WIRE HARNESS	1
F17-6	14-0304-00	ENGINE STOP BUTTON	1
F17-7	5110000050G0A3	SEAT COMP.	1
F17-8	6000165080G000	POWER ON SWITCH	1
F17-9	28234201300005	Self Tapping Screw 4.2 x 13	4
F17-10	6000179050G000	SAFETY BELT	1
F17-11	93000800000005	Spring Washer	4
F17-12	97000800000005	Flat Washer	4
F17-13	61870800012505	LOCKING FLANGE NUT M8	4
F17-14	57870805512505	BOLT M8X55	4
F17-15	96000800000005	Clutch Washer $\Phi 8$ (GB96)	1
F17-16	57830802012501	BOLT M8X20	1
F17-17	1411030050G000	DRIVE CHAIN	1
F17-18	6000324080G000	MASTER LINK	1
F17-19	6.034.096	NUT M8	1
F17-20	57870804512505	BOLT M8X45	1
F17-21	GB912503000002	COTTER PIN $\Phi 2.5 \times 30$	1
F17-22	94571400015005	CASTLE NUT M14X1.5	1
F17-23	95001400000005	WASHER $\phi 14$	1
F17-24	14-1104-00	Shaft, Sprocket and Drive Pulley	1
F17-25	1411050050G003	Rear Clutch Axle Key	1
F17-26	6.000.065	BEARING 6004	2
F17-27	1406050050G000	ENGINE MOUNTING PLATE (2)	1
F17-28	14-0503-00	Bushing, Rubber	1
F17-29	7020077080G000	BUSHING	2
F17-30	008-30-428	30 Teeth Sprocket	1
F17-31	61871600015005	NUT M16X1.5	1
F17-32	1010200050G0C0	13 Teeth Sprocket	1
F17-33	57851004512505	BOLT M10X1.25X45	1
F17-34	8147008080G100	CHAIN ADJUSTER	1
F17-35	61871200012505	NUT M12X1.25	1
F17-36	8010042250G100	WASHER-CHAIN ADJUSTER	2
F17-37	8010041080G000	BUSHING-CHAIN ADJUSTER	1
F17-38	7020001080G000	CAP WASHER-CHAIN ADJUSTER	1
F17-39	8020045080G100	BOTTOM CAP WASHER-CHAIN ADJUSTER	1
F17-40	61871200012505	NUT M12X1.25	1
F17-41	61871000012505	NUT M10X1.25	1

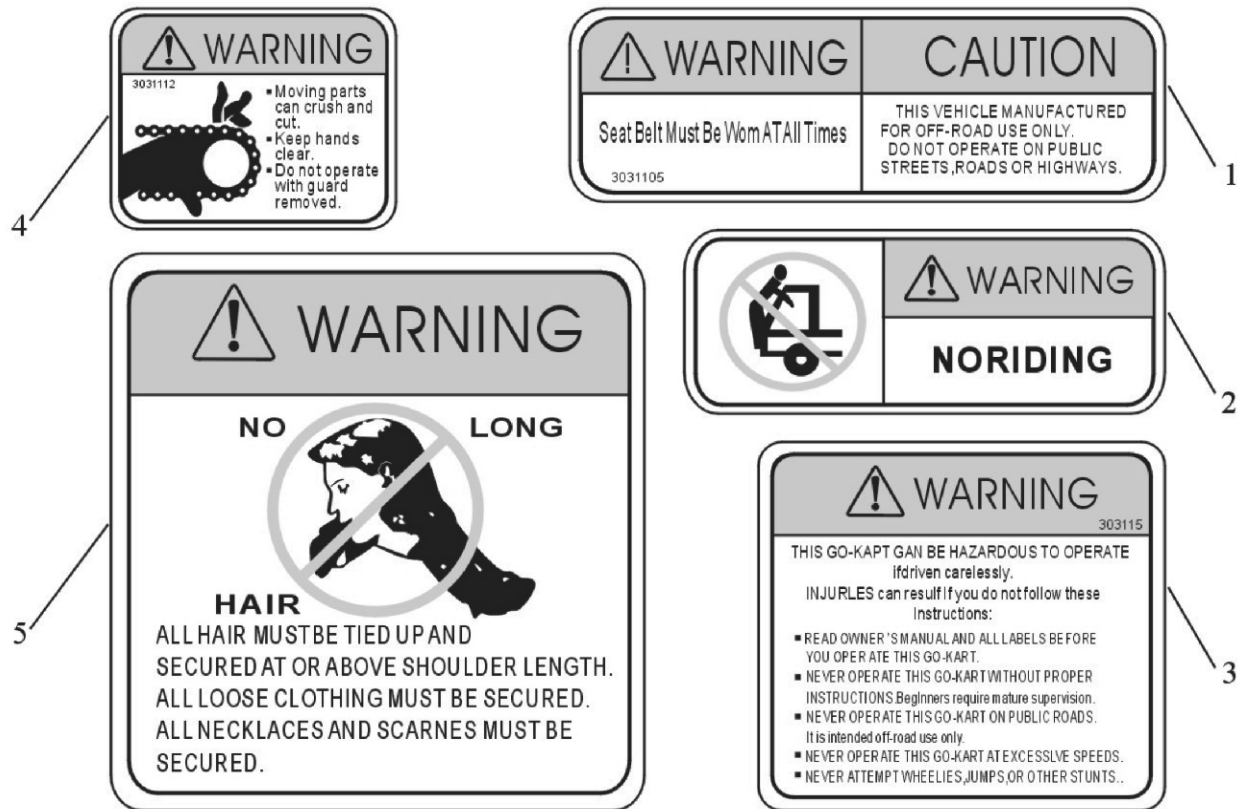


FIG.18 WARNING STICKERS

REF NO.	PART NO.	DESCRIPTION		Qty.
F18-1	9073000050G000	LABEL SEAT BELT		1
F18-2	9072700050G000	LABEL NO CLIMBING		1
F18-3	9072200050G000	LABEL WARNING Operation		1
F18-4	9072300050G000	LABEL CHAIN GUARD		1
F18-5	9072100050G000	LABEL NO LONG HAIR		1
F18-6	9072600050G000	LABEL AGE		1
F18-7	9072800050G000	LABEL HOT SURFACES		1
F18-9				
F18-11	9077100050G0A0	OWNER'S MANUAL		1

A.The reverse gear lever operation instructions.

a .Push forward the gear to "D"position, then go forward,pull back gear to "R" position, then move backward. (See Fig.1)

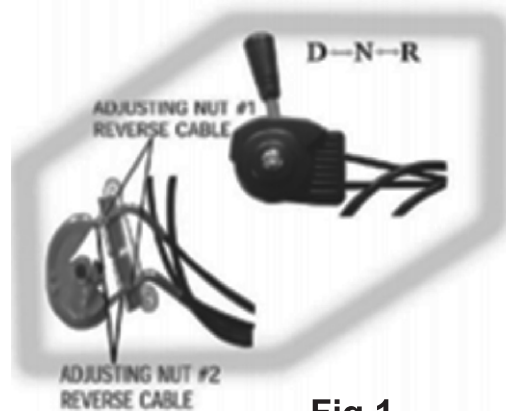


Fig.1

B.How to adjust the chain tension and the gearbox disassembly, installation and maintenance.

a. Adjustment nut : turn upward will be chain loose, tight converesly . (See Fig.2)

b.First step to remove the turning gear (shift plate) and the turning gear bracket . (See Fig.3)

C.The second step to remove rear clutch, the chain adjuster bolt, reverse bracket I and reverse bracket II bolt, remove the chain then can take out the reverse.(See Fig.4)

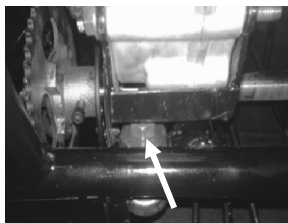


Fig.2



Fig.3

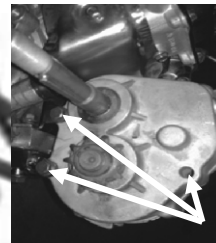


Fig.4

d.Gear box venthole keep gas free(See Fig.5)

e. Dismantle the bolts off gear oil (See Fig.6)

f. Change gear oil step: add 250ml gear oil and then tighten bolts .(See Fig.7)



Fig.5

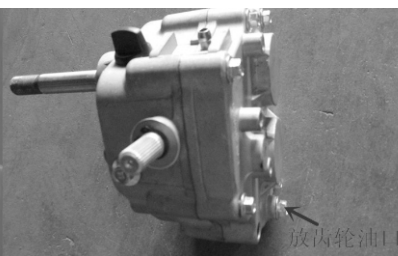


Fig.6

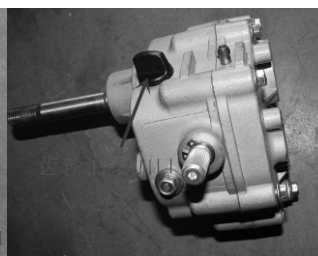
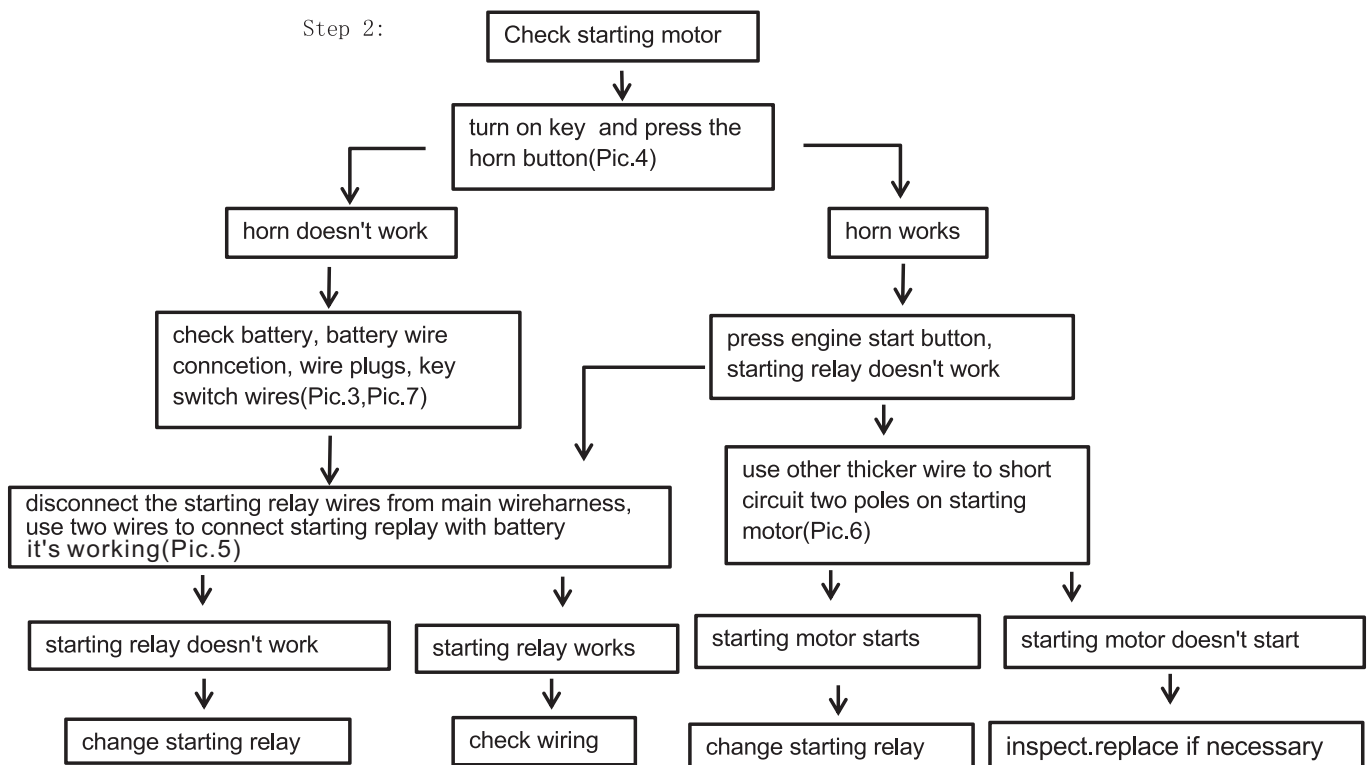
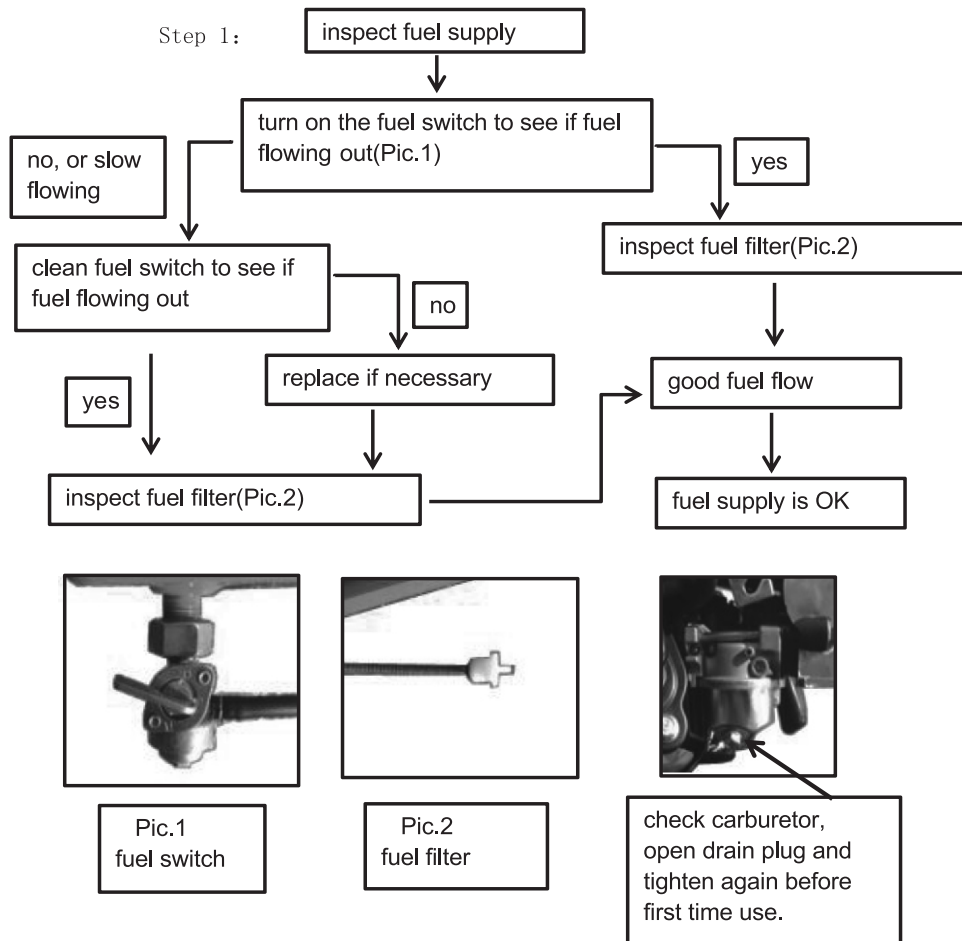


Fig.7

Operating-instruction and Troubleshooting(Electric Start Go-kart)





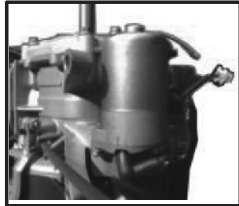
Pic.3 battery wiring



Pic.4 key switch



red and black wires are for key switch



Pic.5 starting motor

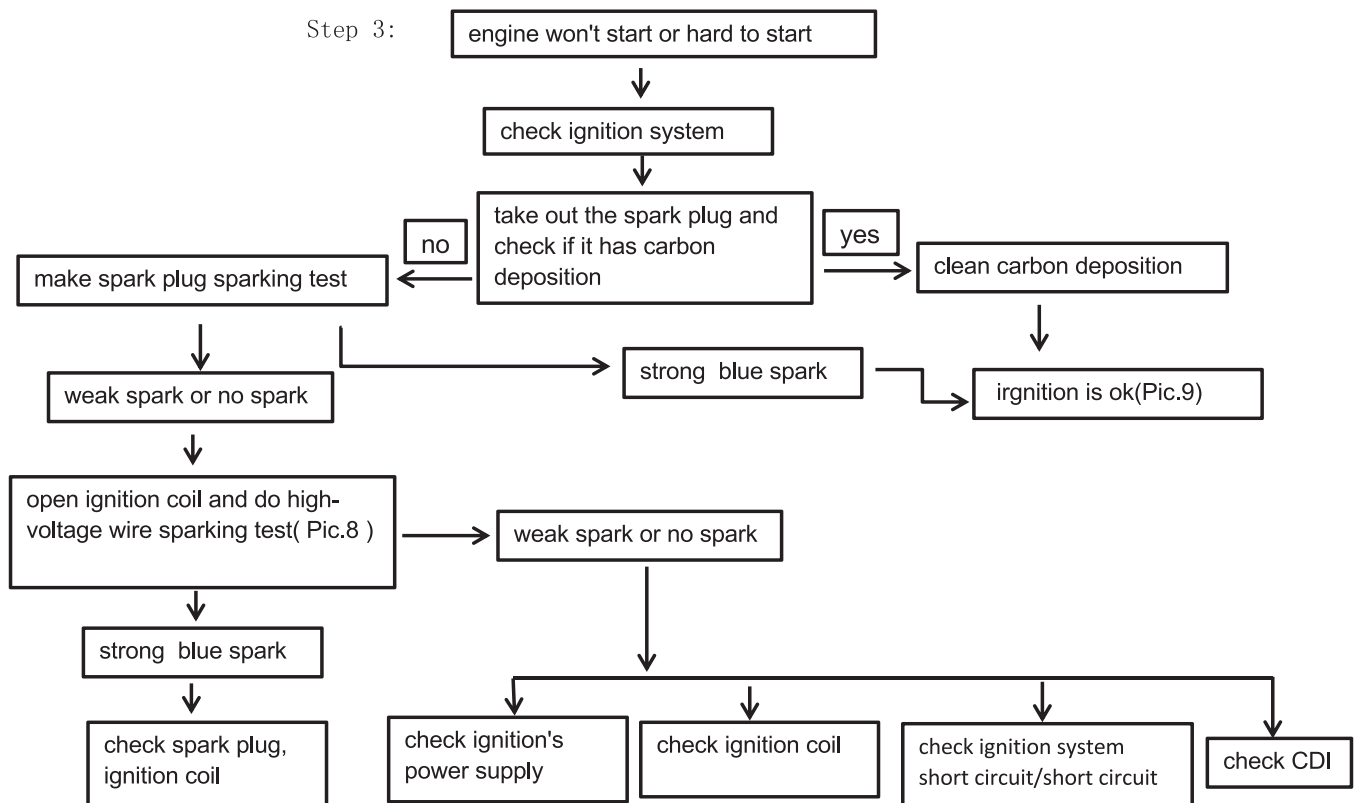


Pic.6 short circuit starting motor



Pic.7 fuse

Step 3:



ignition coil



Pic.8 take off the ignition coil



Pic.9 sparking test

