



# MMK80

## Go-kart



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MADE IN CHINA

## Owner's Manual

This operator's manual contains important safety information and maintenance information. Read it carefully before using this vehicle. Failure to follow the warnings contained in this operator's manual could result in INJURY or DEATH.

Keep this manual in a safe place. It is very important that this owner's manual be reviewed by all riders. It should be considered a permanent part of the go-kart and should remain with the vehicle if the vehicle is transferred to a new owner.

This manual contains the latest product information available before printing. Due to product improvements or production changes, there could be discrepancies between the information contained in this manual and accurate product information. Monster Moto, LLC (Monster Moto) reserves the right to make changes at any time, without notice and without obligation to make the same or similar changes to any vehicle previously built or sold.

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**PROBLEMS? DO NOT RETURN TO STORE! CALL US!**

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## **Warranty Information**

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Congratulations on your decision to purchase a Monster Moto power sports product! We are pleased that you have chosen a Monster Moto product, and we are dedicated to supporting your successful and safe power sports recreation experience!

We are grateful for your business and, in order to assure your quality experience, please review and make note of the following warranty related issues:

**KEEP YOUR RECEIPT:** Proof of purchase will be required to substantiate any warranty claim.

**WHAT IS COVERED:** Monster Moto warrants to the original retail purchaser of this Product that this Product is free from defects in material or workmanship and agrees, at Monster Moto's discretion, to either repair, provide replacement parts for or replace (without charge for labor) any product component having a material defect for a period of ninety (90) days from the date of purchase, except as limited below. Monster Moto may require the purchaser to return to Monster Moto, at their expense, the part claimed to be defective for Monster Moto's inspection, at which time the returned parts or product become property of Monster Moto. This product is also covered by an Emissions Control System Warranty which is separate from and in addition to this warranty.

**WHAT IS NOT COVERED:** This warranty does not cover any conditions caused by misuse, neglect, negligence, accident or operation in any way contrary to the operating instructions located in the operator's manual. Normal wear, alteration, modification, improper or inadequate maintenance, use of unauthorized replacement parts, or service provided by anyone other than an authorized Monster Moto service center are not covered under this warranty. This warranty does not cover products used for rental or commercial purposes or used in competition, nor does it cover transportation costs for warranty service. Without limiting the above, this warranty is VOID with respect to any product that has sustained damage resulting from impacts, accidents, jumping, or any other uses considered outside of the scope of normal and safe operation.

**LIMITATIONS OF LIABILITY:** This Warranty is non-transferable after the Product's initial sale. No unapproved modifications can be made to the Product, its performance or otherwise, in order for this Limited Warranty to remain in effect. No reimbursement is provided for towing, loss of time, loss of use, inconvenience or incidental or consequential damages. This Limited Warranty covers only parts and labor due to manufacturer defect. This Warranty does not cover minor surface blemishes, rips, tears, or other cosmetic damages due to normal use, or other intentional or unintentional damage to the Product. This Limited Warranty will not cover any damage which results from the application of improper cleaners, solvents or chemicals to the Product, or from smoke or soot, or from exposure to saltwater, sea breeze or salt. This Limited Warranty will not cover any damage resulting from product storage in the elements. This Limited Warranty does not cover improper repair or misdiagnosis of the problem.

**OWNER'S RESPONSIBILITIES:** As the vehicle owner, you are responsible for performing required maintenance and maintaining a record of all receipts for maintenance performed on your go-kart. Your warranty claim may be denied solely because of your failure to perform required maintenance on your vehicle or lack of maintenance records or receipts. As the vehicle owner, you may be denied your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

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## Introduction

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Your Monster Moto go-kart was designed as a recreational go-kart for off-road use by a single rider. This go-kart is ideal for younger riders with basic experience.

Avoid operating this vehicle on paved surfaces including, but not limited to highways, parking lots, sidewalks and driveways. Never operate this or any designated off-road vehicle on a public street, road or highway where it will be in violation of local traffic laws and restrictions.

Whenever you ride, tread lightly by staying on established trails and in approved areas. Protect the environment and keep off-road riding areas open for future use.

Before riding, please take your time to get acquainted with your go-kart and how it works. To protect your investment, we urge you to keep it well maintained. In addition to regular maintenance, it is important to observe and perform all pre-ride and periodic checks outlined in this manual. In this manual, you will find helpful safety information, instructions, facts and helpful tips. To make it easier to use, there is a table of contents at the beginning.

As you read through this manual you will find information that is preceded with a **NOTICE** symbol. This information is intended to help you avoid damage to your go-kart and property around you. This manual will also cover basic maintenance procedures.

Read the warranty page carefully so that you understand the coverage on your go-kart and are aware of your rights and responsibilities.

If you have any questions or you need any special service or repair, remember that your Authorized Monster Moto Service Center knows your go-kart best and will be dedicated to your complete satisfaction. Replacement parts and technical support can be obtained online at [www.monstermoto.com](http://www.monstermoto.com) or by phone at 855-833-6483. Please be sure to register your Monster Moto product online or by mail and notify us of any changes in contact information so we may contact you in the future with any important product information.

You can also visit our website at [www.monstermoto.com](http://www.monstermoto.com) to view service videos, locate local authorized service centers and find information about all Monster Moto products.



## Important Safety Information

Your personal safety, and the safety of those around you, is extremely important. Operating this go-kart safely is an important responsibility.

Monster Moto has provided operating procedures and other information with labels on your go-kart and in this manual to help you make informed decisions about safety. This information will alert you to potential hazards that could harm you or others.

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

Safety information will come in a variety of different forms, including:

- **Safety Labels** on the go-kart
- **Safety Messages** preceded by a safety symbol  and one of these three signal words: **DANGER**, **WARNING** or **CAUTION**.

Below are the definitions of these three words:

### **DANGER**

You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

### **WARNING**

You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

### **CAUTION**

You **CAN** be INJURED if you do not follow instructions.

- **Safety Headings** such as important safety reminders and/or precautions.
- **Safety Section** such as go-kart safety.
- **Instruction** how to use the go-kart safely and correctly.

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

## Important Safety Information

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A go-kart can provide many years of service and pleasure, provided you take responsibility for safety, properly maintain your go-kart and understand the challenges you may encounter while riding.

This go-kart has been designed for younger riders; however, not all youngsters are physically and/or emotionally prepared to ride. Before parents allow any children to ride this go-kart, we strongly recommend that both of you read this entire manual so you are fully informed before deciding if your children are ready to ride. Listed below are some of the most important safety measures one should take when riding.

**▲ DANGER** Always Wear a Helmet The following statement is a proven fact: "Helmets significantly reduce the number and severity of head injuries." Never ride your go-kart without a helmet. Even a crash at slow speed can result in a fatal head injury if you are not wearing a helmet. Monster Moto recommends wearing helmets that have been certified for safety by helmet testing organizations that are independent from the helmet manufacturer. We also recommend that you wear eye protection, boots, gloves, and other protective gear such as off-road riding pants.

**▲ WARNING** Never Carry a Passenger This go-kart has been designed for ONE rider only. There are no passenger pegs, footrests, handles or seat room for a passenger. Riding with a passenger can interfere with your ability to operate and/or control the go-kart and may result in serious injury or death.

**▲ WARNING** Ride Off-Road Only This go-kart has been designed and manufactured for off-road use only. The go-kart is not equipped with lights, turn signals, horn and other features required to drive on public roads. The tires are not designed for pavement and will make the go-kart unstable if it is ridden on pavement. If you have to cross a paved road, dismount and walk the go-kart across the road.

**▲ WARNING** Ride Within Your Limits Never attempt to ride your go-kart in a manner that is beyond your skill level. It takes time to learn off-road riding skills. Learn to ride your go-kart step by step. Start by practicing on safe terrain at slow speeds and gradually build your skill level. Instruction from an experienced rider(s) is highly recommended. Alcohol, drug use, and fatigue will reduce your ability to make good decisions and ride safely. Monster Moto does not recommend go-kart usage when influenced by alcohol or drug use or when fatigued.

**▲ WARNING** Be Alert for Hazards The terrain in which you ride can present many hazards. Always "scan" the terrain ahead of you continually. Watch for unexpected turns, drop-offs, ditches, rocks and other hazards. Always maintain a speed slow enough to allow you enough time to see and react to hazards.

**▲ DANGER** Do Not Drink and Ride Even one alcoholic drink can impair your ability to ride a go-kart safely. Each drink afterward will make the impairment worse. Do not drink and ride. Do not let your friends drink and ride. Remember, throughout the United States, you can be arrested and charged with Driving Under the Influence (DUI) if you are driving a go-kart while intoxicated.

## Important Safety Information

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**⚠ WARNING** Take Time to Learn and Practice Even if you have driven other go-karts, take time to become familiar with how your Monster Moto go-kart works and handles. Practice in a safe area until you build your skills and get accustomed to this go-kart's size and weight.

**⚠ WARNING** Do Not Operate this Go-Kart at Night Lower visibility at night can greatly reduce a driver's judgment. Driving at night is dangerous and will increase the possibility of an accident. Night is defined as the period of time 30 minutes before sunset to 30 minutes after sunrise.

**⚠ DANGER** Never Run Your Go-Kart Indoors The exhaust from the engine contains carbon monoxide, a poisonous gas which is tasteless & odorless. Carbon monoxide kills.

**⚠ WARNING** Keep Away from Moving Parts of the Go-Kart Never place your hands or any other body part near any moving part of the go-kart. Failure to adhere to this warning may cause physical harm to your body.

**⚠ WARNING** Skidding or Sliding The terrain's surface can significantly affect turns and your likelihood to skid or slide. 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 your speed low and drive carefully.

## Important Safety Information for Parents

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As a parent, your child's safety is your first priority. Riding an off-road go-kart is very fun. However, bad decisions can result in injury. As a parent, you can prevent accidents by making informed decisions about if, when and how your child will ride. Always supervise your child when he/she is riding.

Before you allow your child to ride, you need to decide if he/she is capable of riding. Riding readiness can vary tremendously from one person to another. Age and size are not the only factors that help determine one's riding readiness. There are three other factors that you should also consider before deciding if your child is ready to ride.

First, consider the **physical ability** of your child. Your child should be able to steer the go-kart while it is stationary and in motion. They must be able to reach the kill switch on the cross-bar and comfortably operate the brake and gas pedals. Second, consider your child's **athletic ability**. Your child should be comfortable operating other moving vehicles, like bicycles. You will need to determine if your child can judge speeds and distances and react with proper coordination between hands and feet. Any person who does not exhibit good coordination, balance and agility should not ride this go-kart.

Finally, determine your child's level of **mental and emotional maturity**. It is imperative that you are honest with yourself when you ask yourself the following questions: Does your child think through problems and come to logical conclusions? Does your child obey your rules when they ride their bicycle? If your child makes bad judgments, takes unwarranted risks and/or does not obey your rules, they should not ride this go-kart.

If you have decided that your child is ready to ride, please remember the following points and never let your child ride without a helmet. It is up to you (as a parent) to ensure your child's safety, even if they learn to ride from another experienced adult. Never push your child to try things faster than they are willing or capable of doing. Always supervise your child when they are riding and regularly remind them about safety rules. As a parent it is your responsibility to be sure that the go-kart is properly maintained and kept in safe operating condition.

Modifying this go-kart or using parts not manufactured by Monster Moto can make your go-kart unsafe. Before you consider making any modifications or adding an accessory, please read the following information carefully.

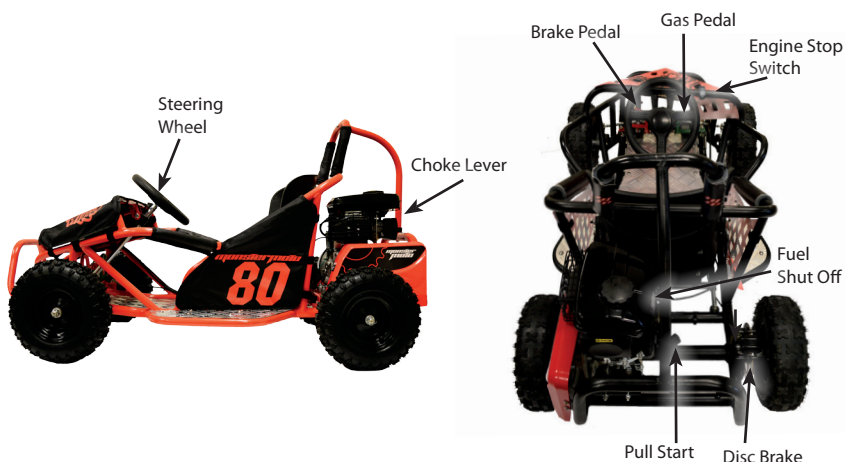
**⚠ WARNING** Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed. Follow all instructions in this owner's manual regarding modifications and accessories.

Monster Moto strongly recommends that you do not remove any original equipment or modify your go-kart in any way that may alter its design and/or operation. Such a change could drastically impair the stability, handling, acceleration, and braking capabilities of the go-kart and cause a crash. We also strongly suggest that you do not make any modifications to the exhaust system components.



## Operating Controls and Component Locations

When you ride a go-kart off-road, you need to be able to operate the throttle, brakes, and other controls without stopping to look at them. Please read this section carefully before you ride your go-kart. This section of the manual will describe the function, location, and operation of all the basic controls of your go-kart.

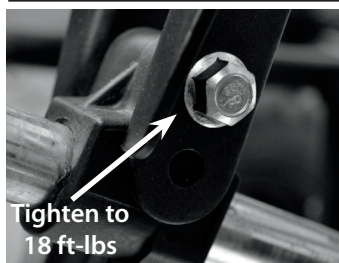


### Attaching the Steering Wheel

*Your Monster Moto MMK80 is shipped with the steering wheel attached, but lowered for shipping. You will need to secure the steering wheel to the front cross-frame before operating.*

To attach the steering wheel, follow the steps below:

1. After unpacking your go-kart, place it on a flat level surface.
2. Pull up on the steering wheel assembly and position it in the mounting yolk. The lower hole is used for smaller drivers.
3. Push the mounting bolt through the yolk and spacer and tighten bolt to 18 ft-lbs.
4. Move the steering wheel back and forth. The steering wheel should turn freely and the front wheels should move accordingly.

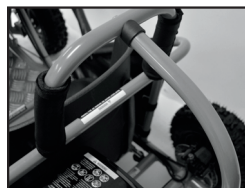
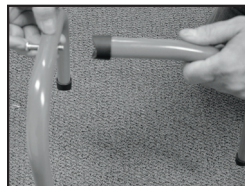


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## Attaching the Roll Bar, Flag & Front Bumper

**To attach the roll bar, follow the steps below:**

1. Attach the plastic mounting caps on the ends of both bars.
2. Use provided allen screws to attach roll bar to brace.
3. Attach roll bar assembly to the frame using the provided allen screws.
4. Attach the two crash pads to the roll bar, above the seat.



**To attach the safety flag, follow the steps below:**

1. Assemble flag pole by inserting the two pole pieces into each other. Draw flag pole through safety flag.
2. Loosen the four screws on the flag mount.
3. Insert flag pole (with flag attached at top) into the flag mount.
4. Tighten the four screws on the flag mount.



**To attach the front bumper, follow the steps below:**

1. Attach bumper onto brackets located on the front of the frame.
2. Use provided bolts and nuts to attach the bumper.



## Operating Controls

### Engine Stop

The engine stop switch is used to turn off the engine. When the switch is in the "OFF" position, it will remove the spark from the ignition system. To start and ride the go-kart, push the small red button (top). ⤴ This is the "RUN" position. To shut off the engine, push the large red button (bottom). ⓧ This is the "OFF" position.

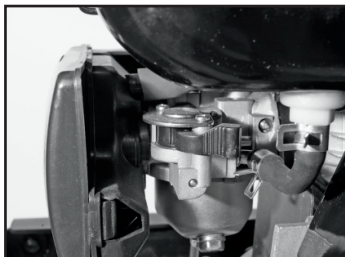


## Operating Controls

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### Fuel Valve

The two way fuel valve is used to control the flow of fuel from the gas tank to the carburetor. The valve is located under the gas tank. Turning the fuel valve to the "ON" position before starting the engine allows fuel to flow from the tank to the carburetor. Turning the fuel valve to the "OFF" position after shutting off the engine stops the flow of fuel from the gas tank to the carburetor. Always keep the fuel valve in the "OFF" position when you are not using the go-kart.



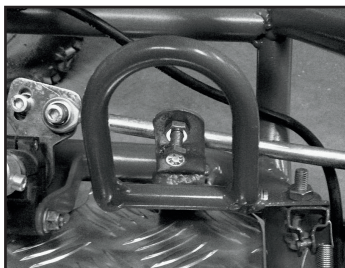
### Choke Lever

The choke lever is used for starting the engine when it is cold or when you live in a cold weather climate. It is located above the air filter on the back of the engine. The choke lever increases the amount of fuel in the air/fuel mixture that is delivered to the engine. See the photo to the right. "Start" - Choke Fully ON "Run" - Choke Fully OFF



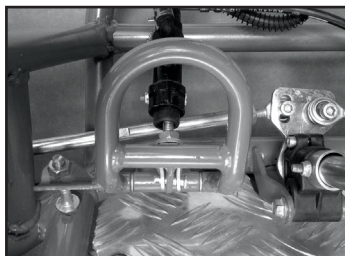
### Gas Pedal

The gas pedal, painted green and on the right side of the floor, controls the speed of the engine. To increase engine speed, push the pedal down. To reduce engine speed, release the gas pedal. The gas pedal is spring loaded and will return to the closed position (engine idle) when you remove your foot.



### Brake Pedal

The brake pedal, painted red and on the left side of the floor, is used to apply the brake to the rear wheel and will slow or stop the go-kart. When you push on the brake pedal, brake fluid is forced into the brake caliper causing the caliper to close on the brake disc. The amount of force that you use when pushing the brake pedal will determine how much braking power is applied. To release the rear brake, release the brake pedal.



## Operating Controls

### Pull Starter Cord

The pull starter cord is used to start the engine and has a recoil mechanism to retract the cord after the engine has been started. It is located on the right side of the engine, directly behind the seat.



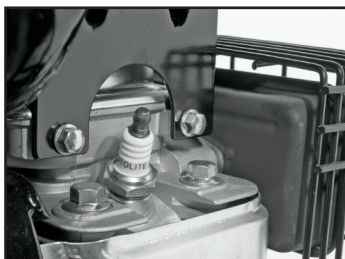
### Air Filter

The air filter is used to keep dirt and large objects out of the engine's air supply. It is located at the rear of the engine under the air filter cover. Examine the filter before each ride to be sure it is not dirty and/or full of debris. You may also use air filter oil (usually in spray cans) to keep the filter flowing properly.



### Spark Plug

The spark plug is used to produce the spark that fires the engine. You should never touch the spark plug when the engine is running or you will be shocked. Please refer to the [Basic Maintenance Procedures](#) section of this manual for detailed instructions on cleaning and replacing a spark plug.



### Brake Mechanism

The MMK80 go-kart is equipped with a rear hydraulic disc brake. It provides power to safely bring the go-kart to a stop. It will also hold the go-kart at a stop if the engine is running. Refer to the [Basic Maintenance Procedures](#) section for brake adjustment instructions.



## Before Riding

Before you ride, you must be absolutely sure that you and your go-kart are ready to ride. To help you get prepared, this section of the manual will discuss how to evaluate your riding readiness and how to perform our recommended pre-ride inspection of your go-kart. If you are a parent, please be sure you have read the section [Important Safety Information for Parents](#) on page 6.

## Are You Ready to Ride?

Before you ride your go-kart for the first time, we strongly recommend the following:

1. Completely read this manual.
2. Be sure you have read and understand all of the safety messages and labels.
3. You know how to operate all of the go-kart's controls.

Before each ride, we also strongly recommend that you:

1. Are in good physical and mental condition.
2. Are free of alcohol and other drugs.
3. Are wearing an approved go-kart helmet with a tight chin strap, eye protection and other protective clothing.

## Protective Gear & Apparel

For your safety, we strongly recommend that you always wear an approved helmet, eye protection, boots, gloves, long pants and a long sleeved jersey, shirt or jacket whenever you ride. Although complete protection is not possible, wearing the proper gear can reduce the chance of, and severity of, injuries when you ride.

### **⚠ WARNING**

Not wearing a helmet increases the chance of serious injury or death in a crash. Be sure you always wear your helmet and other protective apparel when you ride.

Your helmet is your most important piece of riding gear because it offers the best protection against head injuries. A good helmet will be approved by a testing organization independent of the helmet manufacturer and will have a chin strap that can be tightened securely. Open-face helmets offer some protection, but a full-face helmet offers the most protection. When purchasing a helmet, regardless of style, look for a DOT (Department of Transportation) sticker (USA only). If the helmet has been tested by an independent organization such as the Snell Institute, you will usually find their logo on a tag inside the padding of the helmet.

### **⚠ WARNING**

Long hair, loose articles of clothing or any other articles worn by the driver must be completely secured so they remain inside the roll cage of the go-kart. Failure to secure these items could result in them being caught in the rotating parts of the vehicle or surrounding environment during operation.

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## Is the Go-kart Ready to Ride?

Before each and every ride you take, it is extremely important that you inspect the go-kart and make sure any problems you find are corrected. A pre-ride inspection is a must because off-road riding can be very tough on the go-kart and you do not want to have a breakdown far from help.

### **⚠ WARNING**

Improperly maintaining your go-kart or failing to correct a problem before riding can cause a crash in which you can be seriously hurt or killed. Always perform a pre-ride inspection before any ride and correct any problems.

*Note to Parents: If a youngster will be performing any of the following pre-ride inspection procedures, it is your responsibility to provide careful supervision and make sure they are performed correctly.*

### Pre-ride Inspection

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

**Tires** - Use a tire pressure gauge to check the air pressure (10-15 PSI). Inflate or deflate as needed. Also check for signs of damage or excessive wear.

**Rims** - Inspect the rim to be sure it is not bent or damaged.

**Leaks** - Look under the go-kart for signs of leaking fluid such as engine oil or gasoline.

**Engine Oil** - Check the level of engine oil and add if needed.

**Fuel** - Check the level of fuel in the gas tank. Add if needed. Be sure the gas cap is tightened securely.

**Drive Chain** - Inspect the drive chain condition and slack. Adjust and lubricate if needed. For detailed instructions on drive chain slack adjustment, see the [Basic Maintenance Procedures](#) section of this manual.

**Spark Plug** - Check the spark plug for looseness. Tighten if needed. Be sure the cap is fastened to the spark plug properly.

**Nuts & Bolts** - Look over entire go-kart for loose nuts and bolts. Tighten if needed.

Check the following items after you get on the go-kart:

**Steering Wheel** - Be sure go-kart steers freely and the steering wheel is properly secured.

**Gas Pedal** - Push the gas pedal to be sure it moves easily and freely. Make sure that it returns to the up position when you release it in all steering positions.

**Brakes** - Press down on the brake pedal to be sure the brakes are working properly.

Remember, make sure you or your Authorized Monster Moto Service Center correct any problems before you ride the go-kart.

## Basic Operation & Riding

This section of the manual gives basic information on how to begin riding your go-kart. In this section we will cover how to start and stop the engine, how to use the gas and brake pedal or steps you need to take when you are finished riding.

To protect your new engine and enjoy optimum performance and service life, be sure you break-in your go-kart properly. To do this, avoid full throttle starts and rapid acceleration for the first 1-2 hours of riding.

### Safe Riding Precautions

Before riding this go-kart, be sure you have read this entire manual up to this point including the section titled Important Safety Information & Before Riding.

Even if you have ridden other go-karts in the past, take time to get familiar with the way the Monster Moto go-kart works and handles. Always practice in a safe area until you have built your skill level to a point at which you can safely ride the go-kart.

#### **⚠ WARNING**

For your safety, avoid starting or operating the go-kart in an enclosed area with poor ventilation, such as a garage. The go-kart's exhaust gas contains poisonous carbon monoxide which can collect rapidly in an enclosed area and result in illness or death.

#### **⚠ WARNING**

Your go-kart is not equipped with lights. Do not ride at night.

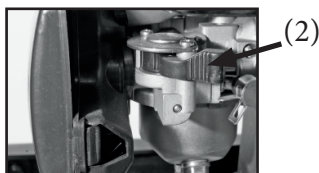
## Starting & Stopping the Engine

Always follow the proper starting procedure as described below.

### Preparation

Check the engine stop switch and switch to "RUN" if needed (1).

Turn the fuel valve to the "ON" position (2).



### Starting Procedure

To restart a warm engine, follow the procedure for high air temperature.

Normal Air Temperature 50 - 95 F (10 - 35 C)

1. Move the choke lever to the right, toward the pull start.
2. Firmly grip the pull start handle and pull.



## Starting & Stopping the Engine

### Starting Procedure (cont.)

3. Once the engine starts, warm up the engine by pushing and releasing the gas pedal slightly.
4. About 15 seconds after the engine starts, push the choke lever all the way to the left (fully off).
5. If the engine idle is unstable, adjust the choke. The idle will smooth out as the engine gets warmer. Turn off the choke when idle stabilizes.

High Air Temperature: 95 F (35 C) or above

1. Do not use the choke.
2. Start the engine (Follow step 2 under normal air temperature)

Low Air Temperature: 50 F (10 C) or below

1. Follow steps 1 - 2 under the normal air temperature section.
2. Warm up the engine by pushing and releasing the gas pedal slightly.
3. Continue warming up the engine until it idles smoothly and responds to the gas pedal with the choke lever moved all the way to the left (in the "off" position).

*Notice: Extended use of the choke in the "on" position may impair piston and cylinder wall lubrication and damage the engine.*

### Flooded Engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel. Follow the steps below to clear a flooded engine:

1. Push the engine stop switch into the "OFF" position.
2. Push the choke lever completely to the left to the "OFF" position.
3. Push the gas pedal down completely.
4. Crank the engine 10-15 times using the pull starter.
5. Push the engine stop switch into the "ON" position.
6. Follow the high air temperature starting procedure.

### How to Stop the Engine

To stop the engine, push the engine stop switch into the "OFF" position.



## Braking Technique

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This section will cover basic braking technique for your go-kart. To slow or stop the go-kart, press down on the brake pedal firmly and smoothly. Gradually increase your braking pressure as you feel it is needed.

Generally, reduce your speed and complete your braking before you begin a turn. Avoid braking or quickly releasing the gas pedal while turning. Either of these actions may cause the wheels to slip. Any wheel slip will reduce your control over the go-kart and could cause a crash.

When riding in wet or rainy conditions, or on loose surfaces such as mud or sand, your ability to maneuver and stop the go-kart will be reduced. All of your actions should be done in a smooth and steady manner under these conditions. Rapid acceleration, braking or turning can cause you to lose control of the go-kart. For your safety, exercise extreme caution when riding under wet, rainy, and/or muddy conditions.

### **DANGER**

Use extra precaution when riding in wet or muddy conditions because braking function may be severely reduced by water or mud on the brake rotors.

## Parking & Post-Ride Inspection

When you have finished riding turn the engine stop switch to the "OFF" position. If you are through riding for the day, turn the fuel valve to the "OFF" position. Always park the go-kart on a flat level surface.

If you will be storing the go-kart for a long period of time, turn the fuel valve to the "OFF" position while the engine is still running. Open and close the throttle repeatedly until the engine stops running on its own. This uses up any fuel that still remains in the carburetor. This will help you avoid carburetor problems that can occur when your go-kart is stored for long periods of time with gasoline left in the carburetor.

# PROBLEMS? DO NOT RETURN TO STORE! CALL US!

## Maintaining Your MMK80 Go-kart

Keeping your go-kart in perfect operating condition is absolutely essential to your safety. It is also the best way to protect your investment, get maximum performance, avoid breakdowns and have more fun. To help keep your go-kart well maintained, this section includes a maintenance schedule for required servicing and step-by-step instructions on how to perform specific maintenance tasks. In this section you will also find important safety precautions and tips for keeping your Monster Moto go-kart looking good.

Careful pre-ride inspections and good maintenance are invaluable. The service intervals in this section are based on average riding conditions. More frequent service is needed if you subject your go-kart to severe use, or ride in unusually wet and dusty areas. Frequent checks of the air cleaner are very important to help you avoid engine damage.

**⚠ WARNING** Improperly maintaining this go-kart or failing to correct a problem before you ride can cause a crash in which you can be seriously hurt or killed. Always follow the inspection and maintenance recommendations and schedules in this manual.

Remember, proper maintenance is the responsibility of the owner. Be sure to inspect your go-kart before each ride and follow the maintenance schedule in this section.

*Note to Parents: As a parent, it is up to you to make sure the go-kart is properly maintained and kept in safe operating condition. For youngsters, learning how to take care of a go-kart and perform basic maintenance can be an important part of their riding experience. However, if you allow a youngster to perform or assist in any maintenance task, such as filling the tank with gasoline, you need to provide close supervision and make sure the task is performed correctly.*

**⚠ WARNING** Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed. Always follow the procedures and precautions in this manual.

### Important Safety Precautions

Make sure the engine is off before you begin any maintenance or repairs. This will help eliminate the following hazards:

1. **Carbon monoxide poisoning from engine exhaust** - Be sure you have adequate ventilation whenever you operate the engine.
2. **Burns from hot go-kart parts** - Let the engine and exhaust system cool off before you touch them.
3. **Injury from moving parts** - Do not run the engine unless instructed to do so.

Read all instructions before you begin a procedure. Make sure you have all of the tools and skills required. Park the go-kart on level ground and put small blocks of wood in front of, and behind, one or two of the wheels to keep it from moving. To reduce the chance of a fire or explosion, be careful when working around gasoline. Use only a non-flammable (high flash point) solvent such as kerosene or mineral spirits to clean parts. Keep cigarettes, sparks and flames away from all fuel related parts.

## Maintenance Schedule

Regular inspection and service is required to keep your go-kart in safe and reliable riding condition. Below is a maintenance schedule showing when components need to be inspected or serviced. Some items on the list can be performed with basic mechanical skills and hand tools and others are more extensive procedures requiring special training, tools and/or equipment. If you do not feel capable of performing any of the procedures described in this manual or if you need assistance, contact your nearest Authorized Service Center. If you decide to do your own maintenance, use only replacement parts that you have purchased from a Monster Moto dealer or directly from Monster Moto.

Because this go-kart does not have an odometer, service intervals in the maintenance schedule are expressed in terms of hours ridden. To avoid missing required maintenance, we suggest you develop a reliable way to record riding time. Always perform the pre-ride inspection at each scheduled maintenance interval.

Each item on the maintenance schedule requires some mechanical knowledge. You will find that some items in the table (marked \* and \*\*) may require a higher level of mechanical skill and special tools. If you do not feel capable of performing any procedure, please consult your nearest Authorized Monster Moto Service Center.

*Note: Service your go-kart more frequently when you ride in wet or dusty conditions.*

*MMK80 Maintenance Chart*

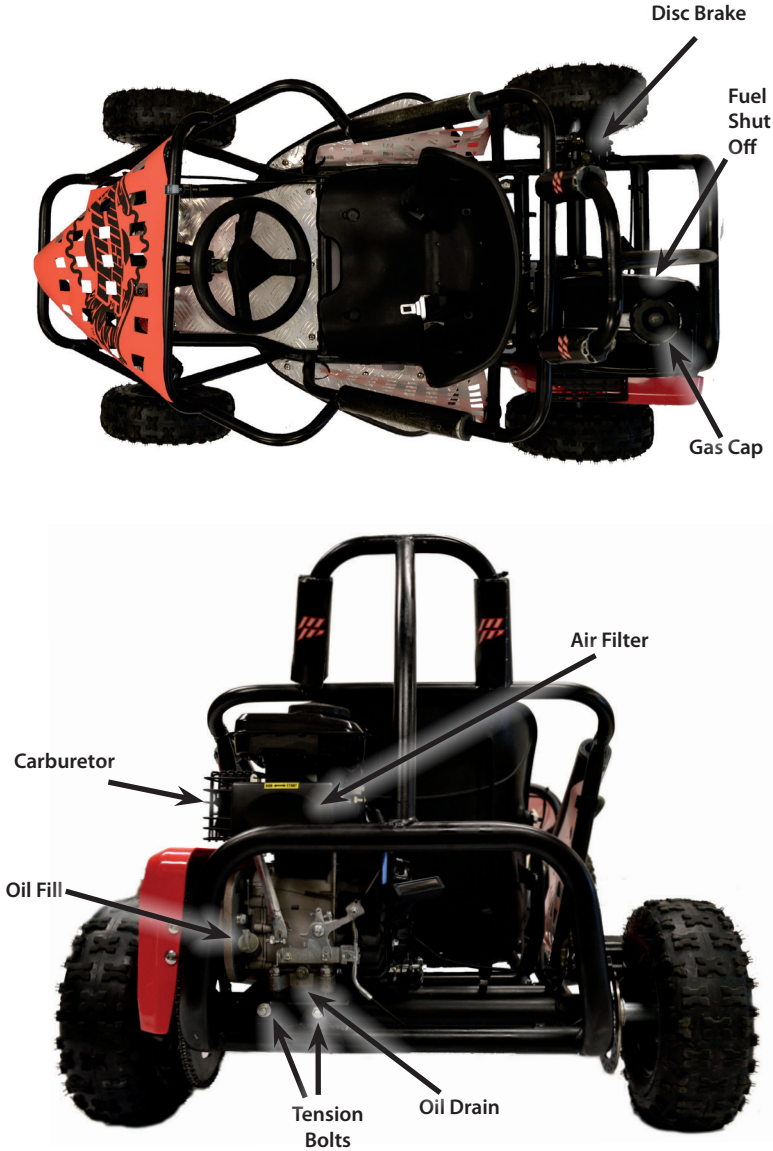
|  |               | Each Use              | 1st Month or 20 Hrs | Every 3 Months or 50 hrs | Every 6 months or 100 hrs | Every Year or 300 hrs |
|--|---------------|-----------------------|---------------------|--------------------------|---------------------------|-----------------------|
| Check Brakes                           |               | x                     |                     |                          |                           |                       |
| Check Throttle                         |               | x                     |                     |                          |                           |                       |
| Lube, check/adjust chain               |               | x                     |                     |                          |                           |                       |
| Check all nuts and bolts for tightness |               | x                     |                     |                          |                           |                       |
| Engine Oil                             | Check         | x                     |                     |                          |                           |                       |
|  | Replace       |                       | x                   | x                        |                           |                       |
| Air Filter                             | Check         | x                     |                     |                          |                           |                       |
|  | *Clean        |                       |                     | x                        |                           |                       |
| *Clean Carb Sediment Cup               | *Replace      |                       |                     |                          |                           | x                     |
|  |               |                       |                     | x                        |                           |                       |
| Spark Plug                             | *Clean/Adjust |                       |                     |                          | x                         |                       |
|  | *Replace      |                       |                     |                          |                           | x                     |
| Check/Adjust Idle Speed                |               |                       |                     |                          |                           | x                     |
| **Check/Adjust Valve Clearance         |               |                       |                     |                          |                           | x                     |
| *Clean Fuel Tank and Filter            |               |                       |                     |                          |                           | x                     |
| Check Fuel Tube                        |               |                       |                     |                          |                           | x                     |
| *Clean/lube Centrifugal clutch         |               | Every 24 hours of use |                     |                          |                           |                       |

\* Can be performed by owner with proper tools and knowledge, otherwise consult a service center.

\*\* Recommended to be performed by an Authorized Service Center.

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## **Component Locations**



## Basic Maintenance Procedures

**See [Montermoto.com](http://Montermoto.com) for basic maintenance and service videos.**

### Fuel Recommendation

The engine in your go-kart has been designed to run on any gasoline with a pump octane rating of 87 or higher. Most service stations will display the octane rating above each pump. Although it is not required, Monster Moto recommends using premium gasoline with a 92 octane rating or higher to ensure maximum performance and reliability. This engine is not designed to work with ethanol blended fuel.

Use of a lower octane gasoline can cause pre-detonation in the engine. When this occurs, you will hear a persistent “pinging” or “spark knock” which, if severe, can cause engine damage. It is however no cause for concern if you hear light pinging while the engine is under hard acceleration, such as climbing up a hill. If pinging occurs under normal load and a steady engine speed, switch brands of gasoline and be sure you are using the proper octane rating. Use of unleaded fuel is recommended because it produces fewer engine deposits and extends the life of the engine and exhaust components.

Never use stale or contaminated gasoline. Never use gasoline that has been mixed with oil. Avoid getting dust, dirt and water into the fuel tank.

### Refueling Procedure

1. Twist the fuel tank cap counter-clockwise and remove the cap from the tank.
2. Using a funnel, add fuel to the tank until the level reaches about 2 inches from the top of the tank.
3. Twist the fuel cap clockwise until it is securely tight.

#### **⚠ WARNING**

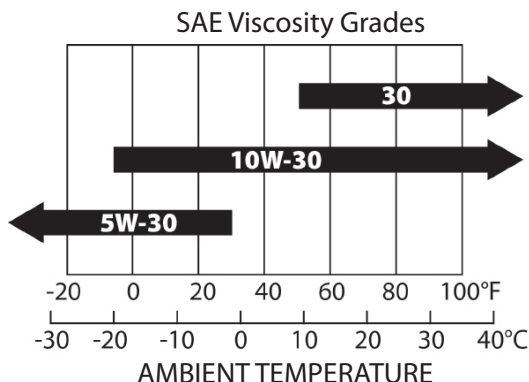
Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling gasoline. Always stop the engine before refueling. Only handle gasoline outdoors. Clean all spills immediately.



## Basic Maintenance Procedures

### Engine Oil Recommendation

SAE 10W-30 is recommended for use in most climates. See the oil/air temperature chart to help you choose the best oil for your climate:

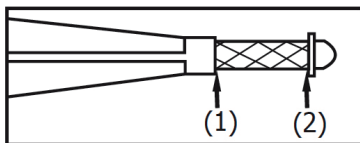
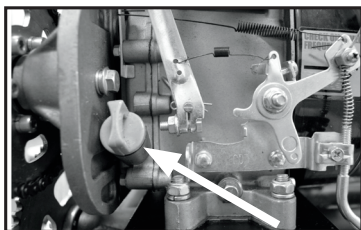


#### ⚠ CAUTION

Your go-kart does not need oil additives. Only use the recommended oil. Do not use oils with graphite or molybdenum additives or oils displaying the API circular logo that is labeled "energy conserving". These engine oils may adversely affect engine performance.

### Checking and Adding Oil

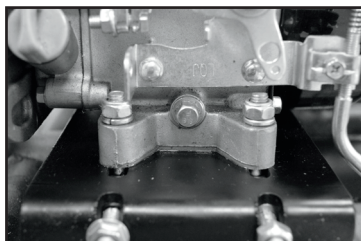
1. Park the go-kart on a firm level surface and prop up the front of the kart to facilitate draining.
2. Clean around the oil fill cap and any nearby surfaces.
3. Unscrew the oil fill plug and wipe it clean.
4. Insert the oil fill cap back into the engine until it seats, but do not screw it in.
5. Remove the oil fill cap and check the oil level. If the oil level is at or near the upper mark (1), you do not need to add oil. If the oil level is below or near the lower level mark (2), add the recommended oil until it reaches the upper level mark (1). Do not overfill.
6. Insert the oil fill cap and screw it in tightly.
7. Start the engine and check for oil leaks.



## Basic Maintenance Procedures

### Changing Engine Oil

1. Park the go-kart on a firm level surface.
2. Remove the oil fill cap/dipstick.
3. Place an oil drain pan under the engine.
4. Unscrew and remove the oil drain bolt.
5. Once most of the oil has drained, move the go-kart from side to side to drain out any remaining oil.
6. Examine the sealing washer for damage and replace if any damage is present.
7. Install the oil drain bolt and tighten to the specified torque of 18-foot-pounds.
8. Pour the recommended oil into the engine and fill until the oil level is correct.
9. Install the oil filler cap/dipstick and tighten securely.
10. Start the engine and let it run for 1 to 2 minutes.
11. Shut off the engine and check the engine oil level, add oil if needed. Do not overfill (See page 19 for basic instructions on oil).
12. Check for any oil leaks.
13. Dispose of waste oil in an approved manner.



#### NOTICE

*Always dispose of waste oil in the proper manner. Failure to do so is harmful to the environment and illegal in most states.*

### Air Filter

Your air filter is located on the back of the engine in the square plastic case. Proper air filter maintenance is extremely important for off-road vehicles. Dirty, water-soaked, worn out or defective air filters will allow dirt, dust, mud and other impurities to pass into the engine. Always replace the air filter with a filter of the same size and construction.

1. Unclip the clips holding the air cleaner cover to the housing.
2. Remove the air filter.
3. Wearing rubber gloves and eye protection, clean filter with a non-flammable solvent like mineral spirits. Squeeze excess solvent from filter, taking care to not damage filter element.
4. Inspect foam for cracks or tears and replace if needed.
5. Allow filter to dry completely.
6. Reinstall element and replace cover.

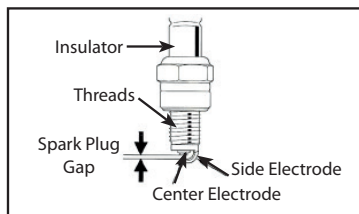
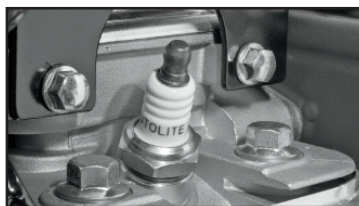


## Basic Maintenance Procedures

### Spark Plug Maintenance

A fouled (dirty) spark plug can cause your go-kart to run poorly and lose performance. Follow the steps below to inspect, clean and/or replace the spark plug if needed.

1. Clean any dust and dirt from around the spark plug base.
2. Disconnect the spark plug cap.
3. Remove the spark plug using a 19mm socket or wrench.
4. Using the photos below for reference, examine the plug to determine its cleanliness. If the plug is a normal color, go on to step 6. If the plug is fouled (dirty), go to step 5.
5. Using a moderate grit sandpaper (220-400), sand between the center electrode and the side electrode until all carbon and oil deposits are removed. If the plug is very dirty, use a spark plug cleaner or move on to Step 6 to replace your spark plug.



6. Inspect the spark plug electrodes for wear. The center electrode should have square edges. The side electrode should not be eroded at all. The insulator should not be cracked or chipped. Replace the plug with an Autolite 255 spark plug or equivalent if any electrode wear and/or cracks are present.
7. Check the spark plug gap using a spark plug gapper. Gappers can be purchased at your local auto parts store. The spark plug gap should be .03in (0.7mm). Always check the gap of a new spark plug before you install it.
8. Be sure all dirt has been cleaned from the threads. Install the spark plug by hand. This will prevent stripping and/or cross threading of the threads. Use a 19mm socket or wrench to securely tighten the spark plug. Do not over or under tighten the spark plug.

#### **CAUTION**

*Improperly tightened spark plugs can damage the engine. Too loose, you can burn a hole in the piston. Too tight, you can damage the threads of the engine.*

| Normal Spark Plug<br>(light brown center) | Lean Spark Plug<br>(white center) | Fouled Spark Plug<br>(heavy carbon buildup) | Fouled Spark Plug<br>(heavy oil buildup) |
|---|-----------------------------------|---|--|
|   |                                   |   |  |

When you inspect the spark plug, generally it will fit into one of the four categories shown above. A normal/clean spark plug will have a light brown center and displays no wear around the electrodes. A spark plug with a bright white center indicates a lean condition in the engine. If your plug looks like this, have your go-kart serviced by your Authorized Monster Moto Service Center immediately. A carbon fouled plug will be completely black with no gloss. An oil fouled plug will appear a dark shiny brown or shiny black as shown above. An oil fouled plug is caused when the engine oil seeps by the piston ring and is burned with the fuel. Oil fouled plugs are not uncommon, however, if your go-kart is consistently oil fouling spark plugs, have it serviced by your Authorized Service Center immediately.



## Basic Maintenance Procedures

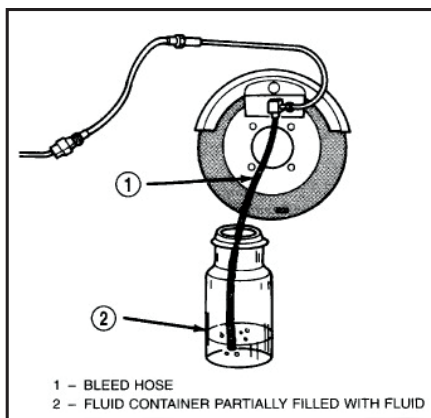
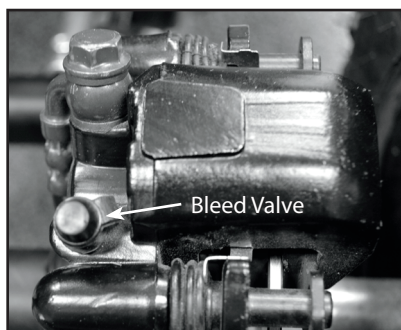
### Bleeding Rear Brakes

If your go-kart will no longer stop safely or the pedal feels “mushy” when applying the brakes, you will need to bleed the brakes. This section will walk you through the process to properly bleed the brakes.

1. Locate the bleed valve on the rear brake and connect a hose. The hose needs to be long enough to extend into a small container partially filled with brake fluid. Be sure the hose is covered by the fluid before beginning.
2. Open up the brake fluid reservoir and make sure it is filled to the “High” mark. Add fluid if needed to get that level before starting.

Only use new DOT 3 brake fluid.

3. Next, have a helper continuously apply pressure to the brake pedal and keep pushing while you slowly open up the bleed valve. (Turn slowly to the left), keep applying pressure to the brake pedal during the whole process. If the brake pedal bottoms out, release the pedal and push down again.
4. When you feel all the air has been let out of the system, close the bleed valve and let up on the brake pedal. Test the brakes again to see if they are firm. If they are not, repeat steps 2 & 3 until they are firm when applying pressure to the brake pedal.
5. Once you have successfully bled the brakes, remove the drain tube from the bleed valve and install the protective cover on the valve.



#### **⚠ WARNING**

Always dispose of any brake fluid properly at your local hazardous waste facility. DO NOT pour brake fluid down household drains or into storm drain systems because it is hazardous to people and animals.

## Basic Maintenance Procedures

### Tire Air Pressure

Properly inflated tires will provide you with the best combination of handling, tread life, and riding comfort. Generally speaking, underinflated tires will wear unevenly and adversely affect handling. Underinflated tires are also more likely to fail from being overheated and can cause wheel damage on rocky terrain. Overinflated tires will cause the go-kart to ride harshly, are prone to failure from surface hazards and wear unevenly.

**⚠ WARNING** Using tires that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed. Follow all instructions in this owner's manual regarding tire inflation and maintenance.

Make sure the valve stem caps are secure. If needed, install a new cap. Always check air pressure when your tires are cold. If you check the air pressure when the tires are warm, you will get higher readings. If you let air out of warm tires to match the recommended cold tire pressure, the tires will be underinflated. The correct cold tire pressures are listed below. If you replace the tire, follow the tire pressure marked on the sidewall of the tire.

|                   |                        |
|-------------------|------------------------|
| Front Tire (Cold) | 10-15 PSI (69-103 kPa) |
| Rear Tire (Cold)  | 10-15 PSI (69-103kPa)  |

### Tire Inspection

A flat tire or tire blowout can be very inconvenient and can even cause you to have an accident. Take the time to inspect your tires and wheels before you ride. For more information about handling a flat tire, refer to the section of this manual titled Resolving the Unexpected.

- Inspect the tire carefully for bumps or bulges in the sidewall of the tire and inside of the treads. Replace any tires that have bumps or bulges in them.
- Look closely for cuts, slits or cracks in the tires. Replace any tire if you can see a fabric or cord showing through.
- Check for rocks, screws, nails or other objects embedded in the tires or tread. Remove any foreign objects.
- Inspect your rims. If you notice the rims are bent or dented, take your go-kart to the nearest Authorized Monster Moto Service Center for assistance in replacing rim.
- Measure the tread depth of the tires. Replace all tires before the tread depth gets below 0.16in (4mm) or anytime you notice a reduction in your traction.

**⚠ WARNING** Never ride with a bent or dented rim. The tire could suddenly lose pressure, resulting in an immediate loss of control which may cause a serious accident.

## Basic Maintenance Procedures

### Tire Repair

If your tire has been punctured, repair or replace it immediately. You may repair the with a patch, but it will never be as durable or reliable as a new tire. If you need a replacement tire, purchase genuine Monster Moto parts or another tire the same size.

#### **⚠ WARNING**

Do not attempt to replace the tire if you do not have the proper tools. Using improper tools can result in damage to the tire or steel rim.

### Drive Chain Inspection

The service life of your drive chain will depend on several factors including proper lubrication, adjustment and riding style. Poor maintenance will cause premature wear and/or damage to the drive chain and sprockets.

Before you service your drive chain, be sure you are parked on a level surface with the engine off. It is not necessary to remove or replace the chain to perform recommended maintenance service.

1. Check the slack in the drive chain midway between the sprockets. Move the chain with your finger. The vertical measurement should measure between 1/4-1/2 in.

#### **NOTICE**

*Excessive drive chain slack may allow the drive chain to damage the engine cases.*

2. Inspect the drive chain for the following: damaged rollers, loose pins, dry or rusted links, kinked or binding links and excessive wear. Replace the chain if it has damaged rollers, loose pins, or kink that cannot be freed. Lubricate the drive chain if it appears dry or shows signs of rust. Lubricate any kinked or binding links and work them free. If the chain has damaged rollers, loose pins or kinks that cannot be freed, follow replacement procedure outlined later in the manual.
3. You should replace the drive chain once the engine is moved as far back as possible and slack still remains. This indicates that the chain is worn beyond it's service limit.
4. Inspect the front and rear sprockets for excessive wear or damage. Refer to the following illustration to determine sprocket condition. If needed, replace any worn or damaged sprockets. See your Authorized Monster Moto Service Center for assistance.



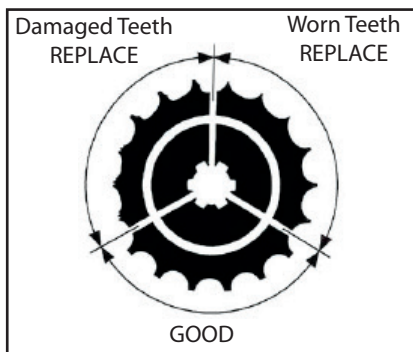
## Basic Maintenance Procedures

### Drive Chain Inspection (cont.)

Use the diagram below to determine if the sprockets need to be replaced. Never use a new chain with a damaged or worn sprocket.

#### NOTICE

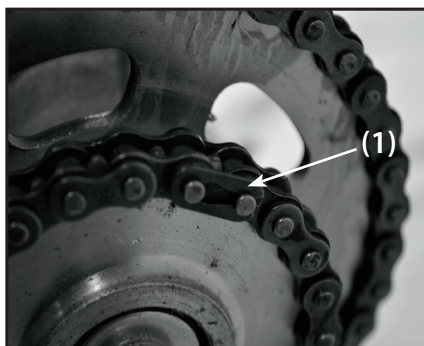
*Use of a new chain on worn sprockets will cause rapid chain wear.*



### Drive Chain Removal, Cleaning & Replacement

If you have been riding in extremely muddy or dusty conditions, the drive chain should be removed and cleaned before you apply lubricant. Follow the procedure below to remove and clean or replace the drive chain with a new one.

1. Remove the master link retaining clip (1) with needle nose pliers. Do not bend or twist the clip. Remove the master link and remove the drive chain.
2. Clean the drive chain with a non-flammable solvent such as kerosene or mineral spirits - not gasoline - and allow it to dry.
3. Inspect the drive chain for possible wear or damage. Replace the drive chain if it has any damaged rollers, loose fitting links or otherwise appears unserviceable.
4. Inspect the sprockets for wear or damage. Monster Moto recommends that you replace the sprockets when you install a new drive chain.
5. Pass the chain over the sprockets and join the ends of the chain with the master link. For ease of assembly, hold the chain ends against adjacent rear sprocket teeth while inserting the master link. Install the master link retaining clip so that the closed end of the retaining clip will face the direction of forward wheel rotation.
6. Lubricate the chain.



The master link is the most critical element of drive chain security. Master links are reusable, as long as they are in excellent condition. We recommend installing a new master link when you install a new drive chain. You may find it easier to install a new chain by connecting it to the old chain using a master link and pulling the old chain to position the new chain on the sprockets.

## Basic Maintenance Procedures

### Drive Chain Adjustment

Your Monster Moto MMK80 go-kart uses a jack-shaft plate to transfer power from the engine to the rear wheel. This set-up requires use of two drive chains, both of which need to be maintained in order to keep your go-kart operating smoothly. We will cover how to properly adjust chain tension and maintain the drive train to achieve the most life out of your product.

To adjust the drive chains, follow the steps below:

1. Raise the rear of the go-kart off the ground so the rear wheels spin freely and place blocks underneath to support the vehicle.
2. Remove the chain guard cover and set aside.

#### Adjust inner drive chain:

1. Locate the four jack-shaft mounting bolts and loosen.
2. Slide the jack-shaft plate until you get a 1/4- 1/2in chain tension on the inner drive chain.
3. Tighten jack-shaft mounting bolts (15-18 ft-lbs).

#### Adjust outer Drive Chain:

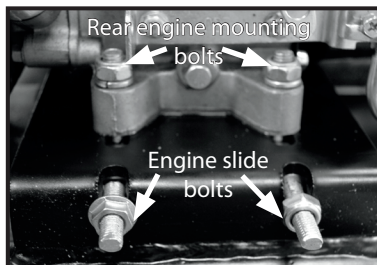
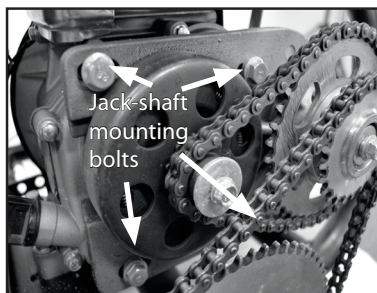
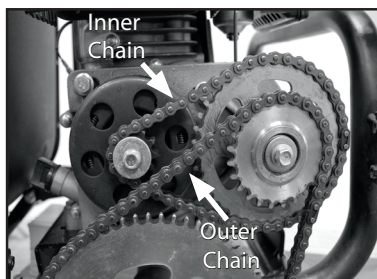
1. Loosen the 4 engine mounting bolts (two in front and two in back).
2. Locate the two engine slide bolts on the rear mounting plate. Tighten or loosen them to move the engine backward/forward to achieve 1/4- 1/2in slack in outer drive chain.

#### **⚠ WARNING**

Move the engine slide screws the same amount when adjusting the engine location. Failure to do so can create misalignment between drive gears and output gear on the jack-shaft, this can result in the drive chain jumping off during operation.

3. Re-tighten engine mounting bolts to 15-18 ft-lbs.

Once you've completed adjustment on both chains, recheck to see if they still have proper chain tension.

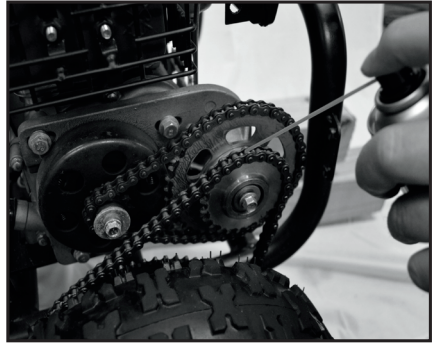


## Basic Maintenance Procedures

### Drive Chain Lubrication

Proper chain lubrication is essential to maintaining proper operating life for the go-kart drive train. Remove the engine chain guard cover and raise the rear of the go-kart so the rear wheel turns freely. Make sure to put the go-kart on blocks.

With the go-kart raised, slowly spin the rear wheel and spray with a high quality chain lubricant. Lubricate the chain before each ride to achieve maximum drive train life.



## Troubleshooting

### Engine does not start or is hard to start

**1. Examine the Carburetor** - Be sure there is fuel flowing into the carburetor.

Is there fuel flowing into the carburetor?

- No**
- Clogged fuel hose/line or clogged fuel filter
  - Clogged or closed fuel valve
  - Clogged fuel cap vent
  - Sticking or stuck carburetor float
- Yes**
- SEE STEP 2

**2. Examine the Spark Plug** - Remove the spark plug and inspect.

Is the spark plug in good working condition?

- No**
- Flooded engine and/or carburetor
  - Choke valve is closed
  - Throttle is stuck open
  - Dirty or clogged air filter
  - Excessively worn piston rings (replace engine)
- Yes**
- SEE STEP 3

**3. Spark Test** - Test for ignition spark by removing the spark plug and inserting it into the spark plug cap. Place the open end of the spark plug on a metal part of the engine and pull start the engine. You should see a nice blue spark on the end of the spark plug. A faint spark will not start the engine.

**⚠ WARNING** Do not touch the spark plug or plug cap while pull starting the engine. You will receive an electrical shock which could result in serious injury or death.

Is there a good spark?

- No**
- Fouled or faulty spark plug
  - Broken or shorted spark plug wire or spark plug cap
  - Faulty or shorted magneto assembly
  - Broken or shorted engine stop switch
  - Loose or corroded wires and/or connectors (always clean bad electrical connections)
- Yes**
- SEE STEP 4

**4. Engine Start Condition** - Start the engine by using the normal starting procedure.

Does the engine start but then stop quickly afterward?

- Yes**
- Improper choke operation
  - Dirty or improperly adjusted carburetor (Contact your Authorized Monster Moto Service Center)
  - Intake manifold/pipe leak
  - Improper ignition timing (see your Authorized Monster Moto Service Center)
  - Dirty or contaminated gasoline

## Troubleshooting

### Engine Lacks Power

**1. Examine the Drivetrain** - Raise the wheel off the ground and spin by hand.

Does the wheel spin freely?

- No**
- Brake dragging, improperly mounted brake pads
  - Worn or damaged wheel bearings
  - Bent axle
- Yes**
- SEE STEP 2

**2. Check the Tire Pressure** - Use a tire pressure gauge to check the tire pressure of each tire.

Is the tire pressure correct? (10-15 PSI)

- No**
- Faulty tire valve
  - Punctured tire
- Yes**
- SEE STEP 3

**3. Engine Performance Inspection** - Accelerate lightly.

Does the engine speed increase?

- No**
- Clogged air filter
  - Restricted or clogged fuel line and/or fuel filter
  - Clogged muffler/spark arrester
  - Choke valve is closed
  - Clogged fuel cap vent
  - Check gas pedal stop, adjust setting to increase speed
- Yes**
- SEE STEP 4

**4. Spark Plug inspection** - Remove the spark plug and inspect.

Is the spark plug in good working condition?

- No**
- Spark plug is not serviced frequently enough
  - Incorrect spark plug heat range
  - Incorrect spark plug gap
- Yes**
- SEE STEP 5

**5. Engine Oil Inspection** - Check the oil level and the condition of the oil.

Is the engine oil level correct and in clean condition?

- No**
- Oil level too high
  - Oil level too low
  - Contaminated oil
- Yes**
- SEE STEP 6

**6. Carburetor Inspection** - Disassemble the carburetor and check for clogs.

Was the carburetor clogged and dirty?

- No**
- SEE STEP 7
- Yes**
- Carburetor is not serviced frequently enough
  - Contaminated fuel

**7. Over Heating Inspection** - Check the engine for overheating.

Is the engine overheating?

- No**
- SEE STEP 8
- Yes**
- Excessive carbon buildup in the combustion chamber
  - Use of poor quality fuel
  - Clutch slipping
  - Lean fuel mixture or improper octane rating of fuel



## Troubleshooting

### Engine Lacks Power (cont.)

#### 8. Engine Condition Inspection - Accelerate rapidly and ride at high speed.

Does the engine knock?

- No** - See your Authorized Monster Moto Service Center to have your go-kart serviced.
- Yes**
  - Worn piston and cylinder (replace engine)
  - Wrong type of fuel (octane rating)
  - Lean fuel mixture
  - Excessive carbon buildup in the combustion chamber

### Poor Performance at Idle & Low Speed

#### 1. Intake Manifold Inspection - Check the intake manifold for leaks.

Is there a leak in the manifold?

- No** - SEE STEP 2
- Yes**
  - Loose carburetor mounting bolts
  - Damaged insulator/spacer
  - Damaged intake manifold gasket
  - Cracked or broken intake manifold/pipe
- If "YES"** - See your Authorized Monster Moto Service Center to have your go-kart serviced.

**2. Spark Test** - Test for ignition spark by removing the spark plug and inserting it into the spark plug cap. Place the open end of the spark plug on a metal part of the engine and pull start the engine. You should see a nice blue spark on the end of the spark plug. A faint spark will not start the engine.

**⚠ DANGER** Do not touch the spark plug or plug cap while pull starting the engine. You will receive an electrical shock which could result in serious injury or death.

Is there a good spark?

- No**
  - Fouled or faulty spark plug
  - Broken or shorted spark plug wire or spark plug cap
  - Faulty or shorted magneto assembly
  - Broken or shorted engine stop switch
  - Loose or corroded wires and/or connectors (always clean bad electrical connections)
- Yes** - See your Authorized Monster Moto Service Center to have your go-kart serviced.

## Troubleshooting

### Poor Performance at High Speed

1. **Examine the Fuel Line** - Disconnect the fuel hose at the carburetor.

Is there fuel flowing freely?

**No** - Clogged fuel hose/line or clogged fuel filter  
- Clogged fuel valve

**Yes** - SEE STEP 2

2. **Carburetor Inspection** - Disassemble the carburetor and check for clogs.

Was the carburetor clogged and dirty?

**No** - See your Authorized Monster Moto Service Center to have your go-kart serviced.

**Yes** - Carburetor is not serviced frequently enough, contaminated fuel

### Poor Handling

**Steering is heavy**

- Check the tie rods

**Wheels wobble during operation**

- Excessive wheel bearing play  
- Bent rim  
- Improperly installed wheel hub  
- Bent frame

**The go-kart pulls to one side**

- Damaged axle  
- Damaged frame

## Resolving the Unexpected

### General Guidelines

If you encounter trouble during a ride, the first thing you should do is stop as soon as it is safely possible. Do not continue to ride if you have a flat tire, if you hear an unusual noise or if your go-kart just does not feel right. If you continue to ride, you may cause more damage to the go-kart and endanger your own safety.

After you stop, take time to carefully look over your go-kart and identify the problem. Always consider all of your options before you make a decision. Sometimes a problem can be relatively minor and can be permanently repaired on the trail provided you have the tools, supplies and skills needed to do so. In addition, you may be able to make a temporary repair and ride slowly back to your base where you can get further help and/or supplies.

When a problem appears to be more serious, or you do not have the tools, supplies and skills needed to make a repair, you will need to choose a safe way to get yourself and the go-kart back to your base. If you are close enough, you can often push the go-kart back.

Whatever the problem may be, always follow the instructions below:

1. Always put safety first.
2. If the problem is minor and you have the tools, supplies and skills needed to make a temporary repair, be sure to make permanent repairs as soon as possible.
3. Do not continue riding if you are hurt or if your go-kart is not in safe riding condition.

Recommendations for specific problems follow.

### If Your Engine Quits or Will Not Start

If the engine was not making unusual noises before it quit running, and it feels normal when you operate the pull starter, you can probably rule out a major mechanical problem

First, check the fuel system:

1. Make sure you have fuel in the gas tank and the fuel valve is set to the "ON" position.
2. Turn the fuel valve to the "OFF" position. Disconnect the fuel line from the carburetor and momentarily turn the fuel valve to "ON". If fuel does not flow out, there is an obstruction in the fuel tank, fuel filter or in the fuel line.
3. Reconnect fuel line to carburetor.

**⚠ DANGER** Do not use spark, fire or flame near gasoline or fumes. Fire or explosion may result in severe injury or death. Do not let gas or fumes come in contact with hot engine parts as fire or explosion may result.

If the fuel system appears to be okay, check the ignition system after any residue gasoline and fumes have evaporated and surfaces are dry.

1. Check the spark plug cap. Be sure that it is not loose or disconnected.
2. Disconnect the spark plug cap and remove the spark plug. Connect the spark plug to the plug cap and place the threaded end of the spark plug on a metal part of the engine.
3. Pull the pull start handle while you watch the spark plug. If it sparks, the ignition system is probably working. If there is no spark, replace the spark plug with a new one. If there is still no spark, there is a problem with the ignition system.

If you cannot identify or correct a problem, you will have to push your go-kart back to your base or get some help.

## Resolving the Unexpected

### If You Have a Flat Tire

How you handle a flat tire on the trail will depend on the severity of damage to the tire and what tools and supplies you keep with you. If you have a slow leak or a minor puncture, there are two ways you can try to make a temporary repair:

1. Use an aerosol tire sealer to seal the puncture and inflate the tire. You can do this without removing the wheel.
2. Use a patch kit to repair the hole in the tire. This requires removal of the wheel and tire. Do not attempt repair without the proper tools.

If the leak is more severe, or a temporary repair does not hold up, you will need to replace the tire.

If you cannot repair the flat tire on the trail, you will need to push the go-kart back or send for help. Do not ride back on a flat tire. The go-kart will be hard to handle, and, if the tire comes off the rim, it can lock up the wheel and cause you to crash.

### If You Crash

Personal safety is the first priority after an accident. If you or anyone else has been injured, take plenty of time to assess the severity of the injuries and determine if it is safe to continue riding. If you cannot ride safely, send someone for help. Do not ride if you will risk further injury or if your go-kart has been damaged too severely.

If you decide you are capable of riding safely, carefully inspect the go-kart for damage. Check the tightness of critical nuts and bolts and operation of control levers, brakes and wheels. If there is minor damage, or you are not sure about possible damage but decide to ride back to your base, ride slowly and cautiously.

Sometimes crash damage is hidden or not immediately apparent. Once you get home, inspect your go-kart thoroughly and fix any problems that you find. Also, be sure to have your Authorized Monster Moto Service Center inspect the frame after a serious crash.

### If a Component Fails

The drive chain, master link, control cables, brake controls and other components can be damaged if you ride in dense brush or over rocky terrain. As mentioned earlier, making the repair on the trail will depend on the severity of the damage, tools, supplies, and skills that you have.

1. If the drive chain comes off because the master link clip has been knocked off, you may be able to repair the chain with a new master link. However, if the chain is broken or causes damage when it comes off, you may not be able to make a trailside repair.
2. If you damage the throttle cable or some other critical component, the go-kart may be unsafe to ride. Carefully assess the damage and make any repairs that you can. If you have any doubts, it is best to be conservative and safe and push your go-kart back to base or have the unit picked up.

## Emission Control System Warranty Statement

### YOUR WARRANTY RIGHTS AND OBLIGATIONS

The U.S. Environmental Protection Agency and **MONSTER MOTO, LLC** (hereinafter "MONSTER MOTO") are pleased to explain the emission control system warranty on your 2014 Off-Road Motorcycle. MONSTER MOTO must warrant the emission related control system on your off-road motorcycle for 5,000 km, or at least 30 months, whichever comes first, provided that there has been no abuse, neglect or improper maintenance of your vehicle. This off-road motorcycle was designed to meet the emission standards for 10,000 km, or five years, whichever comes first.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converter and engine computer, if it is equipped. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, MONSTER MOTO will repair your vehicle at no cost to you, including diagnosis, parts and labor.

If an emission-related part on your vehicle is defective, the part will be repaired or replaced by MONSTER MOTO. This is your emission control system DEFECTS WARRANTY.

**NOTICE!** Use of this vehicle in any type of competitive event completely and absolutely voids this and all other warranties offered by MONSTER MOTO.

### OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. MONSTER MOTO recommends that you retain all receipts covering maintenance on your vehicle, but MONSTER MOTO cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to the MONSTER MOTO service center as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should be aware that MONSTER MOTO may deny your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you use your vehicle in any type of competitive event, this warranty is immediately and completely void.

### YOUR WARRANTY RIGHTS AND OBLIGATIONS

MONSTER MOTO, LLC warrants that each new 2014 and later off-road go-kart:

- A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency; and
  - B. is free from defects in material and workmanship which cause such vehicle to fail to conform to applicable regulations of the United States Environmental Protection Agency for the periods specified above.
- I. **Coverage.** Warranty defects shall be remedied during customary business hours at any authorized MONSTER MOTO repair facility located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency. Any part or parts replaced under this warranty shall become the property of MONSTER MOTO.

## Emission Control System Warranty Statement

### YOUR WARRANTY RIGHTS AND OBLIGATIONS (cont.)

**II. Limitations** This Emission Control System Warranty shall not cover any of the following:

- A.** Repair or replacement as a result of
  - (a.1) accident,
  - (a.2) misuse,
  - (a.3) repairs improperly performed or replacements improperly installed,
  - (a.4) use of replacement parts or accessories not conforming to specifications set forth by MONSTER MOTO, which adversely affect performance and/or
  - (a.5) use in competitive racing or related events.
- B.** Inspections, replacement of parts and other services and adjustments required for required maintenance.
- C.** Any vehicle equipped with an odometer or hour meter on which the odometer mileage or hour meter reading has been changed so that actual mileage cannot be readily determined.

### III. Limited Liability

- A.** The liability of MONSTER MOTO under this Emission Control System Warranty is limited solely to the remedying of defects in material or workmanship by an authorized MONSTER MOTO dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to or from the MONSTER MOTO dealer. MONSTER MOTO shall not be liable for any other expenses, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the MONSTER MOTO brand vehicle for any purpose. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitations may not apply to you.
- B.** No express emission control system warranty is given by MONSTER MOTO, except as specifically set forth herein. Any emission control system warranty implied by law, including any warranty of ability or fitness for a particular purpose, is limited to the express emission control system warranty terms stated in this warranty. The foregoing statements of warranty are exclusive and in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
- C.** No service center is authorized to modify this Limited Emission Control System Warranty issued by MONSTER MOTO.

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

**V.** This warranty is in addition to the MONSTER MOTO limited vehicle warranty.

**VI. Additional Information.** Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, MONSTER MOTO, LLC are not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the vehicle is delivered to an ultimate purchaser.

If you have any questions regarding your warranty rights and responsibilities, you should contact MONSTER MOTO, LLC at the address and phone number listed below, or the U.S. Environmental Protection Agency at 2000 Traverwood Drive, Ann Arbor, MI 48105.

**Monster Moto, LLC**  
**1001 S. Jupiter Rd.**  
**Garland, TX 75042**  
**(855) 833-6483**

**855-833-6483 OR EMAIL US AT [info@montermoto.com](mailto:info@montermoto.com)**

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**Register your Monster Moto MMK80 go-kart so that we can  
provide you with the fastest solutions to any problems you  
may have with your product and so we can keep you up to date  
regarding any product updates.**

Fill out registration form on the next page, and mail it to:  
Monster Moto  
1001 S. Jupiter Rd.  
Garland, TX 75042

Or go online to:  
**[www.montermoto.com](http://www.montermoto.com)**  
and fill out the registration form online.



# MMK80

Go-kart

## Product Registration

Please complete and mail this card within 10 days of initial purchase or register online at [Monstermoto.com](http://Monstermoto.com).

### Monster Moto Registration Form

Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email \_\_\_\_\_

Home Phone \_\_\_\_\_

Work Phone \_\_\_\_\_

Purchase Date \_\_\_\_\_ Purchased from \_\_\_\_\_

VIN Number \_\_\_\_\_

Male \_\_\_\_\_ Female \_\_\_\_\_ Occupation \_\_\_\_\_

Other similar product owned before \_\_\_\_\_

How did you hear about the product? \_\_\_\_\_

How do you plan to use your product?

Just for fun \_\_\_\_\_ Work \_\_\_\_\_ Sport \_\_\_\_\_

After form is complete, please mail to:

**Monster Moto**  
1001 S. Jupiter Rd.  
Garland, TX 75042