



# MVS10

*Gas- Powered Stand-up Scooter*

## OWNERS MANUAL



**Important Information. Read thoroughly before riding the first time.**

**Initial Setup  
See page 17.**

**MOTOVOX.COM**

VISIT US ON THE WEB FOR MORE INFORMATION



### **IMPORTANT!**

READ THIS ENTIRE BOOK CAREFULLY BEFORE  
OPERATING THIS PRODUCT THE FIRST TIME.

This vehicle does not conform to Federal Motor Vehicle regulations and is not intended to be used on public streets, roads or highways.

THE USER ASSUMES **ALL** RISK INVOLVED IN USING THIS PRODUCT. Serious injury or death can result from the unsafe operations of this vehicle. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and knee pads along with appropriate footwear.

**NEVER** operate this product in traffic, and always be careful on wet, frozen, oily or unpaved surfaces. **NEVER** operate this vehicle while under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles that may be in your path .

### **WARNINGS!**

**Never** let a child or inexperienced person operate this vehicle.

**Never** run the engine without proper ventilation as breathing exhaust fumes can be fatal and carbon monoxide is difficult to detect.

This product should not be used by persons without good vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities.

**Never** let a person under the age of 16 operate this vehicle without proper adult supervision.

The user of this product assumes **ALL** risks associated with its use. To minimize these risks, the user must wear safety helmet, goggles, gloves, elbow and knee pads and appropriate footwear.

If you have any problems with this product  
**DO NOT RETURN TO THE STORE**  
contact us and we will make it right every time.  
**888-488-MOTO (6686)**  
or email [info@motovox.com](mailto:info@motovox.com)

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## PRODUCT WARRANTY

PLEASE SEE PAGES 26 & 27 FOR EMISSIONS CONTROL WARRANTY

MotoVox warrants to the first buyer of the Product ("Buyer") that on the date of purchase of the Product, as shown on Buyer's sales receipt ("Purchase Date"), the Product shall be free from defects in material or workmanship subject to and in accordance with the terms and conditions set forth herein. The duration of this Limited Warranty is ninety (90) days from the Purchase Date (the "Warranty Period"). MotoVox will correct, at its option, by repair or by furnishing replacement parts, any parts determined in MotoVox's sole discretion to have a defect in material or workmanship of the Product reported to MotoVox during the Warranty Period, subject to the terms, conditions and limitations of this Limited Warranty. At its option, MotoVox may require the Buyer to return to MotoVox, at its address set forth below, at Buyer's expense, the part claimed to be defective for MotoVox's inspection. MotoVox's sole obligation under this Limited Warranty is to repair and/or replace parts on the Product. If MotoVox determines that any claimed defect or problem reported by Buyer is not covered by this Limited Warranty, Buyer shall pay MotoVox its then existing charge for any repair or replacement made by MotoVox.

### TO QUALIFY FOR WARRANTY SERVICE:

1. You must present a copy of the sales receipt.
2. This product can not be used for rental or commercial use.
3. This product can not be used for competition.

### LIMITATIONS OF LIABILITY

- This Limited 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, incidental or consequential damages.
- This Limited Warranty covers only parts and labor due to manufacturer defect. Damage due to misuse or neglect, use other than as specified in the Owner's Manual, or use under abnormal conditions are not covered by this Limited Warranty.
- MotoVox makes no warranty with respect to products or trade accessories not made by MotoVox, including, but not limited to, engines, tires, wheels, batteries and transmissions, such products or trade accessories, such items being subject to the manufacturer's warranty, if any.
- This Limited 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 which results from aging, such as fading of paint, deterioration of plated surfaces, deterioration of rubber or plastics, or rusting.
- This Limited Warranty does not cover improper repair or misdiagnosis of problem.

### OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owner, you are responsible for the performance of the required maintenance. You should maintain a record of all maintenance performed your vehicle and retail all receipts covering maintenance on your vehicle. You may not be denied a warranty claim solely because of your failure to ensure the performance of all scheduled maintenance or lack of maintenance records or receipts. As the vehicle owner, you should be aware that you may be denied your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

**For any issue regarding your Motovox product, call toll free 1-888-488-MOTO (6686)**

## INTRODUCTION

Congratulations on choosing your new MVs10 Stand-up Scooter.

Your Motovox Scooter was designed as a recreational vehicle for off-road use only and by a single rider only. This scooter is easy to use and is ideal for riders with basic experience.

Before riding, please take your time to get acquainted with your scooter 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 Owners Manual. In this manual you will find helpful safety information, instructions and helpful tips. To make it easier to use, there is a table of contents at the beginning and an index at the end of the manual.

As you read through this manual you will find information that is noted with a **NOTICE** symbol. This is to point out key bits of information that will help you avoid damage to your scooter and property around you. This manual covers basic maintenance procedures as well. For problems with your scooter that are not covered in this manual, please refer to an authorized Motovox Service Center, which can be located at [Motovox.com](http://Motovox.com).

Read the warranty page careful so that you understand your rights and responsibilities.

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.

Please be sure to register your Motovox product and notify us of any address changes so we may contact you in the future with any important product information.

And from all of us at Motovox, enjoy your MVs10 Stand-up Scooter!


## IMPORTANT SAFETY INFORMATION

Your personal safety and the safety of those around you is our primary concern. Operating this stand-up scooter safely is an important responsibility and should not be taken lightly.

Motovox has provided you with safe operating procedures and warning labels on your scooter and in this manual. This information will alert you to potential hazards that could harm you or others.

It is understood that it is not practical or possible to warn you about all possible hazards associated with off-road riding and maintaining your scooter. You must always use your own best judgement.

Safety information is presented in a variety of forms, including:

- Safety labels and tags on the scooter
- Safety messages preceded by a safety symbol  and one of these three signal words: DANGER, WARNING and CAUTION.

 **DANGER**

 **WARNING**

 **CAUTION**

Any of the above labels can indicate a danger where you or someone around you can be **KILLED** or **SERIOUSLY INJURED** if the instructions that it accompanies are not followed carefully.

This manual is filled with important safety information, please read it carefully and be sure that you understand it.



## IMPORTANT SAFETY INFORMATION

The MVs10 Stand-up Scooter can provide many years of service and pleasure, provided you take responsibility for safety, proper maintenance and understand the challenges you may encounter while riding it.

### **Fuel Safety** ⚠️ **DANGER**

- Always mix and pour fuel outdoors away from sparks or flames.
- Use only containers that are approved for fuel.
- Never smoke or allow others to smoke near the MVs10 while you are working on the engine, or when refueling.
- Carefully clean up all fuel spills before starting the engine.
- Always move at least 10 feet away from the spot of fueling before starting up the engine.
- Always kill the engine before removing the fuel cap.
- Motovox recommends that you first empty the fuel tank before shipping or storage to prevent fuel spills.
- Never store your MVs10 near open flames like water heaters, furnaces, electric motors or switches because fumes may become ignited.

### **Maintenance Safety** ⚠️ **DANGER**

- Maintain your MVs10 as recommended in this Owners Manual.
- Use only quality replacement parts as recommended by the manufacturer.
- Let the engine cool before making any engine or drive train adjustments.
- Clean your MVs10 carefully and store in a cool, dry place.

### **Safe Riding** ⚠️ **DANGER**

- Keep hands and feet away from all moving parts.
- Go over the entire unit looking for loose bolt, fuel leaks or any other problems each time before you ride it.
- Replace damaged parts as soon as you can.
- Use only parts and accessories that are recommended by the Motovox.
- If a situation arises that is not covered in this Owners Manual, proceed with caution and use your own good judgement.

Contact your dealer or Motovox ([motovox.com](http://motovox.com)) if you have questions.

## IMPORTANT SAFETY INFORMATION

As a parent, your child's safety is your first priority. Riding a mini bike is very fun, but just like riding a bicycle, bad decisions can result in injury or death. 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 determine if he/she is ready. Riding readiness can vary from one person to another. Age and size are not the only factors that help to determine riding readiness. There are three other factors that you should consider before deciding if your child is ready to ride.

First, consider your child's physical ability. A rider must be able to hold the scooter up, and be able to reach all handlebar controls and steer the scooter accurately.

Second, consider your child's athletic ability. It is a good idea if they can operate a bicycle before operating any motorized vehicle. Determine if your child is a good judge of speed and distance while riding a bicycle and that they react with proper foot and hand actions. Any person who does not have good coordination, balance and agility should not attempt to ride this motorized scooter.

Finally, determine their mental maturity. It is imperative that you are honest with yourself when you answer the following questions: Does your child think through problems and come to logical conclusions? Does your child obey the rules when they ride their bicycle? If your child makes bad judgements, takes unnecessary risks and ignores the rules, they should not ride this motorized scooter.

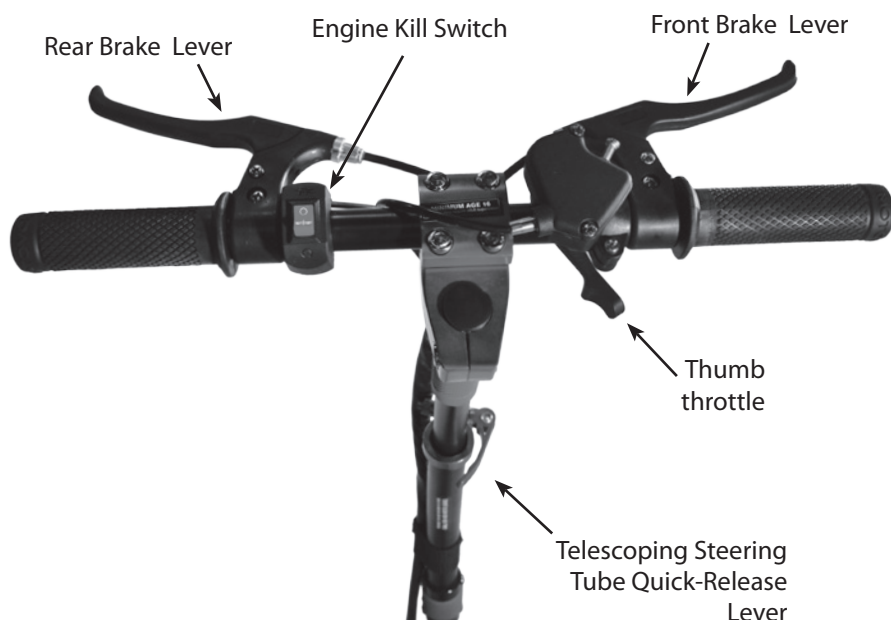
If you have determined that your child is ready to ride please remember the following points:

- Never let your child ride without a helmet.
- Your child's safety is your responsibility. Do not take it lightly.
- Never push you child to try things before they are ready.
- Always supervise your child when they are riding.
- Proper maintenance and upkeep of the scooter is key to safe riding.

**⚠️ DANGER** Any modifications or improper accessories added to the scooter using parts that are not manufactured by Motovox can make it unsafe. Motovox strongly recommends that you do not remove any of the original equipment or make any modifications that alter the design and/or operation of the MVs10 scooter.

## OPERATING CONTROLS

The operating controls of the MVs10 are relatively simple, but a rider must be able to operate the throttle, brakes and other controls without stopping to look at them. Please study the image below carefully to become familiar with the function and the location of each control.



## OPERATING CONTROLS

### BEFORE STARTING

Before starting your MVs10, you must be sure that the key switch is in the ON position, the choke is in the ON position and that there is fuel in the primer button. The locations and operation information of each of these controls is shown below.

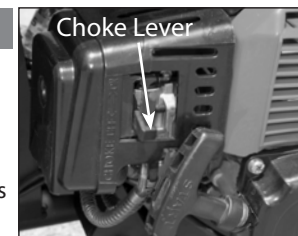
### KEY SWITCH

The Key Switch is located near the engine on the right side of the scooter. The key switch is a good way to keep unwanted users from riding the scooter as it will not run without the key in the ON position. Your MVs10 comes with folding keys so that it can be folded out of the way when you ride. It is always a good idea to store the extra key in a safe place.



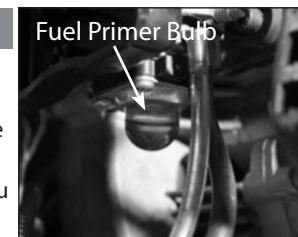
### CHOKE LEVER

The Choke Lever is located on the left side of the engine and is used to start the engine when it is cold. It is used to restrict the amount of air in the fuel mixture to start easier and warm up. Flip the lever up to the ON position to start, and then as the engine warms up move the lever down to the OFF position.



### FUEL PRIMER BULB

The Fuel Primer Button is used to start the flow of fuel to the carburetor and is located below the choke lever under the carburetor. It is made of soft clear neoprene to allow you to see the fuel in the line. Use your finger to push it a few times when the engine is cool until you see fuel passing through it.



### PULL STARTER

The Pull Starter is used to start the engine. To start the engine after you have confirmed the readiness of the above three components, stand on the left side of the scooter holding the left hand grip firmly. Using your right hand, pull up sharply on the pull start grip to spin the motor.





## GETTING STARTED

### PACKAGE CONTENTS

Your Motovox MVs10 comes with the following items in the shipping carton. When opening the carton for the first time, be sure you have the following items:

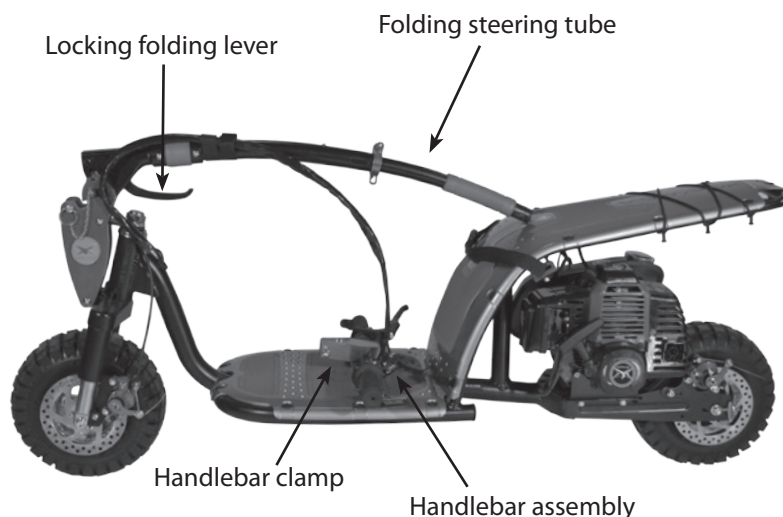
1. MVs10 Stand-up Scooter
2. Tool set
3. Owners Manual

### INITIAL SETUP

*Please read and follow these instructions carefully!*

1. Carefully remove the MVs10 from the carton.
2. To unfold the MVs10, begin by pressing down on the FOLDING LEVER with one hand (see below) while gently pulling up on the steering tube with the other.
3. Fully extend the steering tube to its upright position until you feel the mechanism lock into place.
4. When you first take the MVs10 out of the box, the HANDLEBARS are not clamped to the steering tube in order to save space for shipping. Place the handlebar clamp over the steering tube, taking care to position them as straight as possible. Then, using the allen wrench found in your tool kit, firmly tighten the tension bolts in the clamp.

**⚠ CAUTION** Do not pull cables!



## MIXING FUEL

### FUELING

The MVs10 uses a two-stroke engine. Always run the engine using a fuel mixture of gasoline with the proper amount of 2-cycle engine oil.

*Please read instructions below before fueling.*

1. Mix fuel (minimum 87 octane) and 2-cycle engine oil in a separate container. Use a good quality 40:1 ratio 2-cycle oil. Make sure the fuel is well mixed by shaking the container before filling the fuel tank on the scooter. Be sure and mark the container visibly that it contains oil/gas mix.
2. Make sure that the engine is not running.
3. Open the fuel cap slowly, so that possible pressure build-up can be released.
4. Wipe off the fuel cap area to make sure that it is free of dirt and debris.
5. Pour pre-mixed Gas/Oil mixture into the fuel tank being careful not to overfill.
6. After fueling, replace the fuel cap and tighten.
7. Clean any spilled fuel off the tank and engine.



**⚠ CAUTION** Never try to mix the oil and gas in the MVs10 Fuel tank, always mix it well in a separate fuel container first.

### STARTING

**⚠ DANGER** Move at least 10 feet away from where you filled up the tank to get away from spills and fumes.

1. Set the choke to the ON (up) position.
2. Turn the key to the ON position.
3. Press the fuel primer bulb several times until you see fuel in the bulb.
4. Holding the left hand grip, pull the starter briskly. Note: Do not allow it to snap back, instead, let it recoil slowly.
3. You may want to give it a little throttle by gently squeezing the thumb throttle.
4. It may be necessary to pull start the motor several times the first time you start it.
5. Once the engine has started and run for 20 seconds, move the choke lever down to the OFF position.
6. Let the engine warm up for a minute before riding.

## BEFORE RIDING

Before you ride you must be certain that you are ready to ride. Below is your pre-ride checklist. Be sure to review all the topics below and determine your readiness to ride.

### PRE-RIDE CHECKLIST

1. Have you completely read and do you thoroughly understand this owners manual?
2. Have you found all the safety messages on your scooter and do you understand them?
3. Do you understand the location of, and how all the operating controls on your scooter work?
4. Are you in good mental and physical condition?
5. Are you drug and alcohol free?
6. Are you wearing a DOT-approved helmet that fits properly?
7. Are you wearing eye protection?
8. Are you wearing sturdy shoes and protective clothing?

#### Additional suggested protective clothing.

1. Gloves to protect your hands.
2. Sturdy riding boots that support your ankles.
3. Knee and elbow pads.

#### As a reminder:

**⚠ DANGER** Never ride without a helmet. Helmets significantly reduce the number and severity of head injuries. An approved DOT motorcycle helmet is the most important part of your safety gear. Choose one that fits properly and is snug on your head. Motorcycle dealers can help in selecting a good quality helmet with proper fit.

## BEFORE RIDING

Before you ride you must be certain that your scooter is ready. Below is your pre-ride checklist. Be sure to review all the topics below and determine your readiness to ride.

### PRE-RIDE INSPECTION

1. Check tire pressure with a tire gauge. Recommended tire pressure is 25 - 28 psi for both tires.
2. Check rims to make sure they are not bent or damaged.
3. Inspect the engine for fuel leaks.
4. Check the level of fuel in the gas tank.
5. Check the drive chain to see if it needs to be lubed or tightened.
7. Check the brakes to be sure that they working properly.
8. Look over the entire scooter for loose nuts and bolts.
9. Check the throttle to be sure it moves freely and returns to the low position on its own when released.
10. Be sure that the handlebars turn freely.

**⚠ DANGER** Failure to properly maintain your MVs10 scooter can lead to a crash in which you can be seriously injured or killed. Always perform a pre-ride inspection on your scooter and keep it in good condition to get the most out of your Motovox MVs10.



## BASIC OPERATION

The following section of the manual provides some basic information on how to begin riding your MVs10 Stand-up Scooter. We will cover how to start and stop the engine, how to use the throttle and brake and what you should do when you finish riding.

### SAFE RIDING PRECAUTIONS

Before riding this scooter, be sure that you have read and understand this entire owners manual up to this point, including the sections that are titled **Important Safety Information** and **Before You Ride**. Even if you have ridden other scooters in the past, take time to become familiar with how this scooter runs and how it handles. Different scooters have different handling characteristics. Always practice in a safe area until you feel comfortable with how this scooter runs.

**⚠ DANGER** For your safety, **NEVER** run the engine in an enclosed space with poor ventilation, such as a garage. The exhaust contains poisonous carbon monoxide which can collect rapidly and cause illness or death.

**⚠ DANGER** This scooter is not equipped with lights. Do not ride after dark.

### STARTING THE ENGINE

1. Move the key switch to the ON position.
3. If the engine is cold, flip the choke lever up into the ON position.  
If the engine is warm, you may not need to use the choke at all.
4. Stand on the left side of the scooter and hold the left hand grip.
5. Press the fuel primer bulb a few times.
6. Using your right hand, pull the starter handle upward sharply until it starts, lowering the handle back to the recoiled position gently.
7. Once the engine starts to run, let it warm up by operating the throttle for about 20 seconds, then move the choke lever down to the OFF position.
8. Let it warm up a little. Once the engine is warm, the idle will smooth out and the scooter will be ready to ride.

*NOTE: Extended running with the choke fully on will cause the engine to run poorly and can cause damage to the spark plug and cylinder wall.*

## BASIC OPERATION

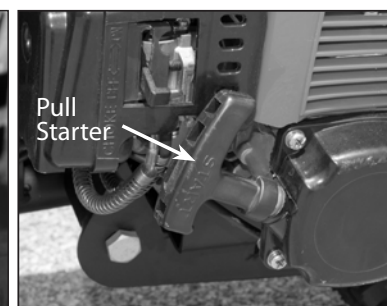
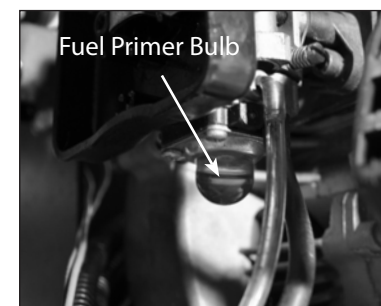
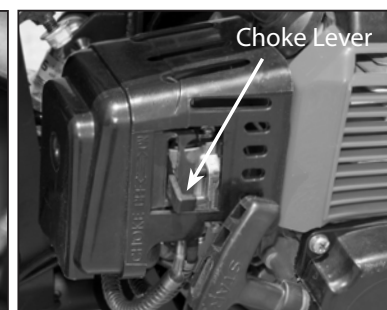
If the engine fails to start after repeated attempts, it may mean that it is flooded with excess fuel. A common indication of a flooded engine is a strong smell of fuel around the scooter. Follow the steps below to clear a flooded engine.

### A FLOODED ENGINE

1. Switch the choke lever to the OFF position.
2. Push the throttle all the way in to the full open position.
3. Move the key to the OFF position.
4. Using the pull starter, crank the engine over 10 or 15 times.
5. Move the key switch back to the ON position.
6. Start the scooter with the choke in the OFF position.

### STOPPING THE ENGINE

To stop the engine, press the kill switch located on the handlebars or turn the key switch to the OFF position. The engine will stop.



## BASIC OPERATION

### BRAKING TECHNIQUE

This section will cover basic braking technique for your scooter. To slow or stop, squeeze the brake lever firmly and smoothly. Gradually increase your braking pressure as you feel it is needed. Keep in mind that you are in an upright position when you are riding and jamming on the brakes suddenly will tend to pitch you forward, which is very dangerous. When you come to a full stop, put one foot on the ground to avoid tipping over.

Always think ahead and allow yourself enough room to stop safely. Just be careful to apply braking power carefully to avoid sending the scooter into a skid which will cause you to lose control. Also, use the rear brake more heavily as locking up the front tire with hard braking is dangerous as well.

If you apply the brakes too quickly and start to skid, release the brake to regain control and then apply braking power carefully.

When riding on wet, or loose surface conditions your braking power can be reduced greatly and it will be much more likely to put the scooter into a skid and lose control. If the surface is wet or loose, you must reduce your speed and allow more room to stop safely.

Avoid jamming on the brake suddenly or accelerating too quickly as either of these actions can cause you to lose control of the scooter.

### PARKING AND POST-RIDE INSPECTION

With the scooter stopped, turn it off with the kill button, flip down the kickstand and lean the scooter over on it to park. Always park your scooter on a flat surface to avoid tipping over. Then check over the scooter to make sure there are no fuel leaks, damaged parts or loose nuts and bolts.

## MAINTAINING YOUR MVS10

Keeping your scooter 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 scooter well maintained, the maintenance schedule on the following page will provide you valuable information that will help you keep your it in good and safe operating condition and avoid injury.

The service intervals in this section are based on average riding conditions. More frequent service is needed if you subject your scooter to severe use, such as competition or riding in unusually wet or dusty conditions.

**⚠ DANGER** Improper maintenance of this scooter or failing to correct a problem before you ride can cause a crash in which you could be seriously injured or killed. Always follow the inspection and maintenance routines recommended in this manual.

Remember, proper maintenance of your scooter is the responsibility of the owner and failure to do so can cause your warranty to be void.

*Note to parents: As a parent it is up to you to make sure the scooter is properly maintained and in safe operating condition. For youngsters, learning how to take care of any motorized vehicle 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 fuel tank, you need to provide close supervision to make sure the task is performed safely.*

### 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 good ventilation whenever you have the engine running.
- 2. Burns from hot engine parts.** Let the engine and exhaust cool before you touch them.
- 3. Injury from moving parts.** Do not work on the engine while it is running unless instructed by this manual to do so.

Be sure you have all the tools needed and understand the procedure before starting. Always be careful around gasoline. Keep flames and sparks away.

## MAINTENANCE SCHEDULE

To keep your scooter safe and reliable when you ride, regular inspections and service is required. Below you will find a maintenance schedule that explains when components need to be inspected or serviced. This information lists items that can be performed with basic mechanical skills and hand tools. In addition, the maintenance schedule will list items that are more involved and could require taking it to your local Service Center.

Because your scooter is not equipped with an odometer, service intervals are expressed in terms of riding days. We suggest that you keep a record of the amount of time you spend riding your scooter to avoid missing needed maintenance procedures. If you do not feel comfortable with performing any of these maintenance procedures, please contact Motovox for help by calling us toll free at **888-488-MOTO (6686)**. Also, see [motovox.com](http://motovox.com) for helpful step by step maintenance videos to demonstrate tasks listed below.

*Note: Your scooter may require more frequent service if you ride in particularly wet or dusty conditions.*

	Every Use	Every Month	Every 3 Months	Every 6 Months	Every Year (200 Hours)
Check pull starter rope			<b>X</b>		
Check air filter		<b>X</b>			
Clean air filter			<b>X</b>		
Change air filter					<b>X</b>
Clean and adjust spark plug			<b>X</b>		
Replace spark plug					<b>X</b>
Check/adjust idle speed		<b>As Needed</b>			
Clean fuel tank					<b>X</b>
Check fuel tube				<b>X</b>	
Check all nuts and bolts		<b>X</b>			
Lube, check & adjust chain		<b>X</b>			
Check and adjust brakes		<b>X</b>			
Check throttle			<b>X</b>		
Check fuel level	<b>X</b>		<b>X</b>		

**SEE MOTOVOX.COM FOR SIMPLE HOW-TO VIDEOS FOR ALL MAINTENANCE PROCEDURES ABOVE.**

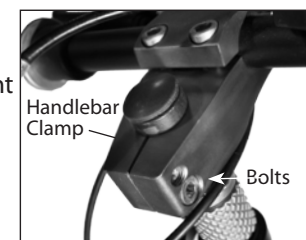
## COMPONENT LOCATIONS



## ATTACHING AND ADJUSTING THE HANDLEBARS

**Your MVs10 scooter is shipped with the handlebars NOT clamped on.** To attach the handlebars follow these easy steps:

1. After unpacking your scooter, stand it on the kick stand on a level surface.
2. Position the handlebar clamp (shown at right) over the steering tube and straighten.
3. Standing over the scooter, Check for alignment with the front tire.
4. Firmly tighten both bolts (one on each side) on the handlebar clamp using the allen wrench that is provided in your tool kit.



## MAINTENANCE PROCEDURES

### AIR FILTER

A dirty, clogged air filter will inhibit the performance of your MVs10 scooter so it is important and quite easy to check and clean it periodically. Motovox recommends that the air filter gets checked every month and cleaned at least every three months. More frequent cleaning may be required if you tend to ride in extremely dusty or dirty conditions.

To check and clean the filter it must be removed from the engine. To do so, locate the air filter housing which is the square black plastic unit on the front of the engine, just ahead of the pulls starter unit and in front of the choke lever.



Remove the center screw that holds the air filter cover in place and pull the cover from the engine. Pull out the foam filter element with your fingers and inspect for dirt and debris. You can clean the foam element with forced air, being careful not to tear it. Or you can wash it with soap and water. Be sure to dry it thoroughly before replacing it by squeezing all the water out and letting it air dry completely.



Once the air filter is completely dry, you can reinstall it into the housing and tighten the center screw that holds the housing in place.



## MAINTENANCE PROCEDURES

### SPARK PLUG MAINTENANCE

A corroded spark plug can cause your engine to run rough, or in the case of a fouled plug, can cause your engine to not run at all. To check the spark plug it must be removed from the engine. The following steps will demonstrate this procedure.

Locate the spark plug boot on the top of the engine toward the front on the left side. Carefully remove the spark plug boot by pulling and twisting the boot housing. Do not pull on the spark plug wire.



Once you have the top of the plug exposed, use a 19mm deep socket to unscrew the spark plug out of the engine by turning counter-clockwise.



Inspect the plug and check to make sure the gap is set to .030. Using the chart below, determine if the spark plug should be replaced.

To re-insert the spark plug or to install a new one, simply screw the plug back into the hole turning clockwise. Tighten with the socket firmly.



**⚠ CAUTION** Be very careful not to over-tighten and strip the threads.

Normal Spark Plug (light brown center)	Lean Spark Plug (White center)	Fouled Spark Plug (Heavy carbon buildup)	Fouled Spark Plug (Heavy oil buildup)



## MAINTENANCE PROCEDURES

### ADJUSTING THE IDLE SPEED

The idle speed is the RPMs of the engine when it is at idle, or not being accelerated. If the idle speed is too low the engine is running too slowly and can die when you are stopped. If the idle speed is too high the scooter won't stay still when idling and may try to move forward.

To adjust the idle speed, locate the idle speed set screw that is behind the air filter housing on top of the carburetor. Using a flat or phillips screwdriver and with the engine running, turn the screw in (clockwise) to raise the idle speed and out (counter-clockwise) to lower the idle speed.

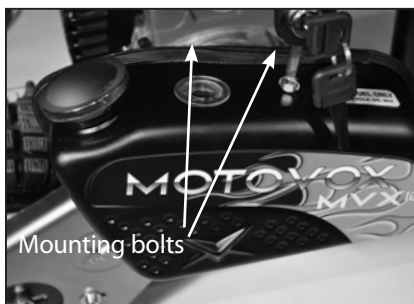


**⚠ CAUTION** Be sure to have a friend hold the scooter brakes while you adjust the idle speed so it doesn't move forward unexpectedly.

### CLEANING THE FUEL TANK

The fuel tank on the MVs10 must be kept clean to keep the engine running smoothly and efficiently. Over time, sediment can build up in the tank and get caught in the inner workings of the carburetor causing clogs and poor performance. To help avoid contamination and sediment build-up be sure to always wipe off the area around the fuel cap before you open it, as well as the spout of your fuel container before pouring in fuel.

Locate and remove the two tank mounting bolts behind the fuel tank. Leaving the hoses connected, remove the cap and pour out the contents. Add some clean fuel, replace the cap and swish it around a little. Then remove the cap and pour it out. Replace the tank to its mount and re-fill the tank with clean, mixed fuel.



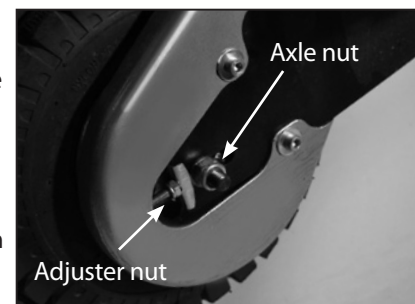
## MAINTENANCE PROCEDURES

### DRIVE CHAIN MAINTENANCE

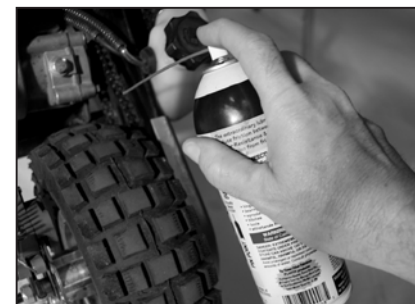
The drive chain needs periodic maintenance to protect it from premature wear and from coming off while riding if it becomes too loose. The drive chain should have a little bit of slack in it, approximately 1/4" movement in either direction or about 1/2" total movement.

With the engine off, locate the drive chain behind the chain guard on the right side of the scooter. Press on it from the top to see how much slack is in the chain. If it has more than 1/2" of movement then your chain is probably too loose.

To adjust the tension of the chain, loosen the rear axle nut on both sides of the wheel. Then, using a 10mm open end wrench, screw the adjuster nut in (clockwise) a few turns. Be sure to adjust the same amount on both adjuster nuts to keep the rear wheel straight. Check the tension on the chain again and repeat as necessary until the chain feels right, then tighten the axle nuts on both sides to hold it in place.



To lubricate the chain, raise the rear of the scooter up onto a block or platform so that the rear wheel spins freely. Then using one hand, spin the rear wheel while spraying lube onto the drive chain. Any standard lube will work, but do not use a lube with a degreaser in it, like WD40 because it tends to dissolve the lube that is inside the rollers, shortening the life of your drive chain.

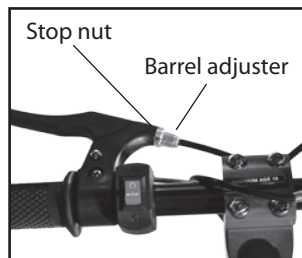


## MAINTENANCE PROCEDURES

### BRAKES

Your Motovox MVs10 Stand-up Scooter comes equipped with mechanical disc brakes front and rear for sure stops. It is important to be sure that the brakes are working properly before each ride. Checking their functionality is simple and only takes a few seconds.

Before starting the engine, squeeze first one brake handle then the other while trying to roll the scooter forward. The brake lever should feel firm and should not touch the handlegrip before the brake engages. If the brake lever squeezes too far and feels soft, it is probably time to adjust your brakes.

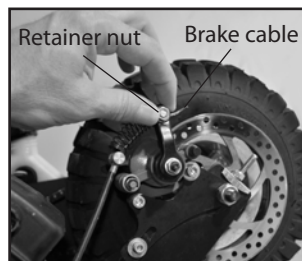


With the engine off, locate the adjuster barrel on the brake lever for the brake that needs adjusting. To tighten the brakes, screw the barrel adjuster out, or counter clockwise so it is moving away from the lever. This lengthens the cable housing and makes the brakes activate quicker when pulled.

Make sure when you check the brakes after adjusting that you don't over tighten them and cause them to drag when not applied.

Once you have the brakes adjusted the way you want them, tighten down the stop nut on the barrel adjuster, turning it clockwise or toward the brake handle. Turn the stop nut as tight as you can with your fingers. Do not use tools to tighten the stop nut.

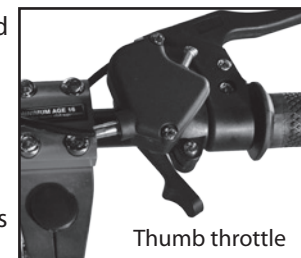
If you can't get enough adjustment on the barrel adjuster, you may have to make an adjustment at the caliper end, or at the wheels. To do so, locate the retainer nut at the end of the actuator arm on the brake. Loosen it a few turns so that the brake cable will slide through the retainer bolt and rotate the arm slightly forward to add more braking power, then tighten the retainer nut back down. Repeat as needed until the brake is working smoothly and firmly without dragging.



## MAINTENANCE PROCEDURES

### THROTTLE OPERATION

Your Motovox MVs10 Stand-up Scooter utilizes a thumb throttle mechanism for ease of use and safe operation. The thumb throttle mechanism is a low-maintenance unit, however it is important to be sure that it is working properly before riding. The thumb throttle should return to idle position after accelerating when you let off of it. Before you start your scooter it is always important to check and make sure that it works freely and returns to idle position. **⚠ WARNING** If it sticks when depressed, it could lead to a very dangerous situation where you or those around you could be injured or killed.



### TIRES

A tire blowout can lead to a dangerous situation, not to mention being very inconvenient. It is important to inspect your tires before you ride.

- Inspect both tires for bumps and bulges in the sidewall and tread.
- Look closely for cuts or other damage.
- Inspect both tires for embedded objects like glass, nails or sharp rocks that you may have picked up.
- Inspect the tread depth of your tires and replace them if the depth drops below a tenth of an inch, or if you notice a serious reduction in traction.
- Check for the position of the valve stem. A tilted valve stem can mean that the tube is slipping inside the tire and can cause a blowout.
- Be sure that both tires are inflated to 25-28 PSI. If you use a high-powered air hose, like those found at a gas station or tire shop, inflate carefully as the small tires on the MVs10 scooter will inflate very quickly and could explode if they are severely over inflated.



**TROUBLE? DO NOT RETURN TO STORE** contact us!

**888-488-MOTO (6686)** or email [info@motovox.com](mailto:info@motovox.com)

## TROUBLESHOOTING

### ENGINE WON'T START

1. Are the key and the kill switch both in the ON position?
2. Is there fuel in the tank?
3. Is the engine flooded? (see page 13)
4. Check the choke lever, is it on?
5. Remove and inspect the spark plug, is it fouled? (see page 19)

*If none of these suggestions help, refer to your local Motovox authorized service center. You can find a service center near you at [Motovox.com](http://Motovox.com)*

### ENGINE RUNS SLUGGISH

1. Is the fuel you are using mixed properly? (see page 9)
2. Is the air filter clogged? (see page 18)
3. Is the choke on? (see page 12)
4. Is one or both of the brakes dragging? (see page 22)
5. Is the thumb throttle working properly? (see page 23)

*If none of these suggestions help, refer to your local Motovox authorized service center. You can find a service center near you at [Motovox.com](http://Motovox.com)*

**Motovox would sincerely like to thank you for choosing one of our fine products and we hope you will have many years of safe, fun enjoyment with your new scooter!**



For step-by-step maintenance videos and much more information about your Motovox MVs10, visit **[motovox.com](http://motovox.com)**



## EMISSION CONTROL WARRANTY

### YOUR WARRANTY RIGHTS AND OBLIGATIONS

The manufacturer warrants that each new 2010 and later vehicle:

- 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.
- is free from defects in material and workmanship which cause such vehicle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for the periods specified below.

The emission control system warranty period for this vehicle is 30 months, which applies to the owner and each subsequent purchaser, begins on the date the vehicle is delivered to the first purchaser provided there has been no modification, abuse, neglect or improper maintenance of your vehicle. Where a warrantable condition exists, the manufacturer will repair your vehicle at no cost to you, including diagnosis, parts and labor. This is your emission control defects warranty.

### EMISSION CONTROL WARRANTY INFORMATION

Your emission control system warranty covers components whose failure would increase an engine's emission, including electronic controls, carburetor, the ignition system, or any other system utilized in this vehicle to control emission if it is originally equipped. Also included may be hoses, connectors and other emission-related assemblies. Replacing or repairing other components (including parts, labor, and other costs) not covered by this emission control system warranty or the standard warranty is the responsibility of the owner.

Coverage of repairs under this emissions warranty applies when repairs are completed at a dealer repair facility or person of the owner's choosing for the maintenance, replacement or repair of emissions-related devices. The Distributor will not cover repairs performed outside of an authorized dealer or repair facility. The use of replacement parts not equivalent to the original parts may impair the effectiveness of your vehicle's emission control system. If such a replacement part is used and an authorized dealer determines it is defective or causes a failure of a warranted part, your claim for repair to bring your vehicle into compliance with applicable standards may be denied.

**MODIFICATION OF ANY EMISSION CONTROL COMPONENT OR SETTING IS STRICTLY PROHIBITED BY LAW AND CAN RESULT IN SUBSTANTIAL PENALTIES AND FINES.**

**THIS EMISSION CONTROL SYSTEM WARRANTY IS IN ADDITION TO THE STANDARD PRODUCT WARRANTY.**

## EMISSION CONTROL WARRANTY

### EMISSIONS CONTROL WARRANTY EXCLUSIONS AND LIMITATIONS

This warranty does not cover the following:

- Failures or malfunctions of the emission control systems caused by abuse, alteration, accident, misuse or the use of leaded gasoline.
- Replacement of expendable maintenance items unless they are original equipment defective in material or workmanship under normal use, and the first required replacement interval for the item has not been reached.

Expendable maintenance items include but are not limited to spark plugs, filters and lubricants.

- Replacement of parts and other services and adjustments for required maintenance.
- Repairs or replacements as a result of
  - Accident
  - Misuse
  - Use of replacement parts or accessories not conforming to the original specifications which adversely affect performance
  - Physical damage, corrosion, or defects caused by fire, explosions or similar causes beyond the control of the Distributor.
  - Failures not caused by a defect in material or workmanship.
- Use of this vehicle in any type of competitive racing, rental or any commercial use completely voids this and all other warranties.

### LIMITED LIABILITY

The liability of the manufacturer under this Emission Control System Warranty is limited solely to the remedying of defects in material workmanship by an authorized 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/from the authorized dealer. The Distributor is not liable to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence or other tort or otherwise.

No express emission control system warranty is given by the manufacturer except as specifically set forth therein. Any emission control system warranty implied by law, including any warranty of merchantability 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 if it is inconsistent with the controlling state law.

No dealer is authorized to modify this Emission Control System Warranty. If you have any questions regarding your warranty rights and responsibilities, you should contact Motovox by calling (888)488-MOTO (6686).

**TROUBLE? DO NOT RETURN TO STORE** contact us!

**888-488-MOTO (6686)** or email [info@motovox.com](mailto:info@motovox.com)

Register your Motovox MVs10 Stand-up Scooter so that we can provide you fast solutions to any problems you may have with your product and so that we can keep in touch with you regarding any product updates.

Simply detach the registration form on the next page, fill it out and mail it to

Motovox  
8844 Hillcrest Road  
Kansas City, Missouri 64138

or go to [motovox.com](http://motovox.com) and click on **ACTION**  
to fill out your registration form online.



### Motovox MVs10 Product Registration

Please complete and mail this card within 10 days of purchase.

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

Address \_\_\_\_\_

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

Email \_\_\_\_\_

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

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

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

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

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

Is this your first Motovox product? \_\_\_\_\_

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

How did you hear about the MVs10? \_\_\_\_\_

How do you plan to use your MVs10?

Just for fun ☐ Work ☐ Sport ☐ Commuting ☐

Complete this form and mail it to:



8844 Hillcrest Road, Kansas City, Missouri 64138

Attention: Product Registration





# MVS10

*Gas- Powered Stand-up Scooter*

IF YOU HAVE TROUBLE  
**DO NOT RETURN TO STORE**  
CALL MOTOVOX AND WE WILL MAKE IT RIGHT.

**Motovox Motorsports**  
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**Motovox.com**  
email [info@motovox.com](mailto:info@motovox.com)