

Table Of Contents

Introduction	2
Warranty	4
Warranty FAQ	7
Safety	10
Controls	12
Before Riding	21
Operation and Riding	24
Maintenance	32
Maintenance Schedule	34
Fuel Line	37
Throttle Operation	38
Air Cleaner	41
Spark Plug	42
Engine Fuel	47
Engine Oil	48
Engine Idle Speed	53
Drive Chain	54
Brakes	60
Clutch System	67
Suspension	69
Nuts, Bolts, Fasteners	75
Wheels	76
Tires	89
Steering	91
Appearance and Care	95
Storage	97
Emissions Warranty	100
Registration	105

Introduction



Before riding, take time to get acquainted with your MOTOPED® and how it works. To protect your investment, we urge you to take responsibility for keeping your MOTOPED® well maintained. Scheduled service is a must, of course. But it's just as important to observe the break-in guidelines, and perform all the pre-ride and other periodic checks detailed in this manual.

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

Keep this manual in a safe place. It is very important that this owners manual be reviewed by any rider and it should remain with the vehicle when transferred to a new owner.

All information, images and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or production changes, there could be discrepancies in this manual. Motoped reserves the right to make product changes at any time, without notice and without obligation to make the same or similar changes to any vehicle previously built or sold.

No part of this owners manual may be reproduced or copied without express written permission from MOTOPED®.

For Off-Road Use Only

In most states and cities your MOTOPED® will be classified as a motorized bicycle. Regulations differ from state-to-state, so be sure to educate yourself about local regulations to determine that you're riding legally. If your state recognizes motorized bicycles as a distinct classification, you are generally not required to license, register, or title your MOTOPED®. Laws for motorized bicycles vary by state and country. We recommend checking with your local DMV before purchasing and operating your MOTOPED®.

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 staying on established trails and riding only in approved areas, you help protect the environment and keep off-road riding areas open for the future.

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

If you have any questions contact MOTOPED® through the MOTOPED® website.

<http://www.MOTOPED-choose-your-adventure.com/>

Warranty

PRODUCT WARRANTY

PLEASE SEE THE [EMISSIONS WARRANTY](#) TOPIC FOR EMISSIONS CONTROL WARRANTY INFORMATION

Motoped® hereby warrants to the original retail purchaser that the following components equipped on Motoped® PURCHASED FROM AN AUTHORIZED MOTOPED® DEALER in the continental United States will be free from defects in material and workmanship for the period of time stated herein, subject to certain state limitations. Motoped® components included under this warranty are the engine, frame, swing arm, monoshock and jackshaft assembly. It is understood that the balance of the Motoped® components are not covered by any warranty, expressed or implied. The balance of the components equipped on the unit are sold on an “as is” basis. This warranty applied to the original purchaser only and is not transferable.

THE PERIOD OF WARRANTY for the above-listed Motoped® components as originally installed on the unit shall be thirty (30) days from the date of purchase.

MODELS EXCLUDED FROM WARRANTY includes those used for closed circuit competition, or non- Motoped® -authorized renting, leasing, or other commercial purposes.

DURING THE PERIOD OF WARRANTY any authorized Motoped® motorcycle dealer will, free of charge, repair or replace, at Motoped®’s option, any part adjudged defective by Motoped® due to faulty workmanship or material from the factory. Parts used in warranty repairs will be warranted for the balance of the product’s warranty period. All parts replaced under warranty become property of Motoped®.

GENERAL EXCLUSIONS from this warranty shall include any failures caused by:

1. Installation of parts or accessories that is not qualitatively equivalent to

- genuine Motoped® parts.
- 2. Abnormal strain, neglect, or abuse.
- 3. Accident or collision damage.
- 4. Modification to original parts.
- 5. Lack of proper maintenance.
- 6. Damage due to improper transportation.

SPECIFIC EXCLUSIONS from this warranty shall include parts replaced due to normal wear or routine maintenance.

THE CUSTOMER'S RESPONSIBILITY under this warranty shall be to:

- 1. Operate and maintain the Motoped® as specified in the appropriate Owner's Service Manual, and
- 2. Give notice to an authorized Motoped® dealer of any and all apparent defects within ten (10) days after discovery, and make the machine available at that time for inspection and repairs at such dealer's place of business.

MOTOPED® MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITS STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY MOTOPED® MOTOR CORPORATION, U.S.A. AND EXCLUDED FROM THIS WARRANTY.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS. THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALSO EXCLUDED FROM THIS WARRANTY IS ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

APT Powersports and Utility Products, LLC

8844 Hillcrest Road

Kansas City, MO 64138

Warranty FAQ

Q. What costs are my responsibility during the warranty period?

A. The customer's responsibility includes all costs of normal maintenance services, non-warranty repairs, accident and collision damage, and oil, oil filters, air filters, spark plugs, and brake shoes or pads.

Q. What are some examples of "abnormal" strain, neglect, or abuse?

A. These terms are general and overlap each other in areas. Specific examples include: Running the machine without oil; operating the machine with a broken or damaged part which causes another part to fail, damage or failure due to improper or careless transportation and or tie down; and so on. If you have any specific questions on operation or maintenance, please contact your dealer for advice.

Q. Does the warranty cover incidental costs such as towing or transportation due to a failure?

A. No. The warranty is limited to repair of the machine itself.

Q. May I perform any or all of the recommended maintenance shown in the Owner's Service Manual instead of having the dealer do them?

A. Yes, if you are a qualified mechanic and follow the procedures specified in the Owner's Service Manual. We do however, recommend that items requiring special tools or equipment be done by a Motoped® dealer.

Q. Will the warranty be void or canceled if I do not operate or maintain my new Motoped® as specified in the Owner's Service Manual?

A. No. The warranty on a new Motoped® cannot be "voided" or "cancelled." **However, if a particular failure is caused by operation or maintenance other than as shown in the Owner's Service Manual, that failure may not be covered under warranty.**

Q. What responsibility does my dealer have under the warranty?

A. Each Motoped® dealer is expected to:

1. Completely set up every new machine before sale.
2. Explain the operation, maintenance, and warranty requirements to your satisfaction at the time of sale, and upon your request at any later date. In addition, each Motoped® dealer is held responsible for his setup, service, and warranty repair work.

Q. Does the warranty on the engine include the carburetor, air filter, air box, and exhaust pipe?

A. No. The warranty covers only the engine components.

CUSTOMER SERVICE

If your machine requires warranty service, you must take it to any authorized Motoped® dealer within the continental United States. Be sure to bring your warranty registration identification or other valid proof of the original date of purchase. If a question or problem arises regarding warranty, first contact the owner of the dealership. Since all warranty matters are handled at the dealer level, this person is in the best position to help you. If you are still not satisfied and require additional assistance, please write:

APT Powersports & Utility Products, LLC
CUSTOMER SERVICE DEPARTMENT
8844 HILLCREST ROAD
KANSAS CITY, MO 64138

When contacting Motoped®, don't forget to include any important information such as names, addresses, model, V.I.N. (framer number) dates, and receipts.

CHANGE OF ADDRESS

If you should move after you have purchased your new Motoped®, please advise us of your new address by sending a postcard listing your model name, V.I.N (frame number), dealer number (or dealer's name) as it is shown on your warranty identification, your name and new mailing address, Mail to above address.

Safety

Your safety, and the safety of others, is very important. Operating this MOTOPED® safely is an important responsibility.

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

Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining a MOTOPED®. You must use your own good judgment.

Wear a Helmet

It's a proven fact: helmets significantly reduce the number and severity of head injuries. So always wear an approved DOT motorcycle helmet.

We also recommend that you wear eye protection, sturdy boots, gloves, and other appropriate protective gear.

Your MOTOPED® is designed for one person only. There are no handholds, footrests, or seat for a second person so never carry a passenger. A passenger could interfere with your ability to move around to maintain your balance and control of the vehicle.

Take Time to Learn

Developing off-road riding skills is a gradual, step-by-step process. Start by practicing at lows speeds in a safe area and slowly build your skills. Personal instruction from an experienced rider can also be valuable.

Be Alert When Riding

The terrain can present a variety of challenges when you ride off-road. Continually

“read” the terrain for unexpected turns, drop-offs, rocks, ruts, and other hazards. Always keep your speed low enough to allow time to see and react to hazards.

Ride Within Your Limits

Pushing limits is another major cause of crashes. Never ride beyond your personal abilities or faster than conditions warrant. Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgments and ride safely.

Don't Drink Alcohol and Ride

Alcohol and riding don't mix. Even one drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. So don't drink and ride, and don't let your friends drink and ride either. The same applies to drugs that impair judgment and/or reflexes.

Keep Your MOTOPED® in Safe Condition

It's important to keep your vehicle properly maintained and in safe riding condition.

Having a breakdown can be difficult, especially if you are stranded off-road far from your base.

To help avoid problems, inspect your MOTOPED® before every ride and perform all recommended maintenance.

Controls



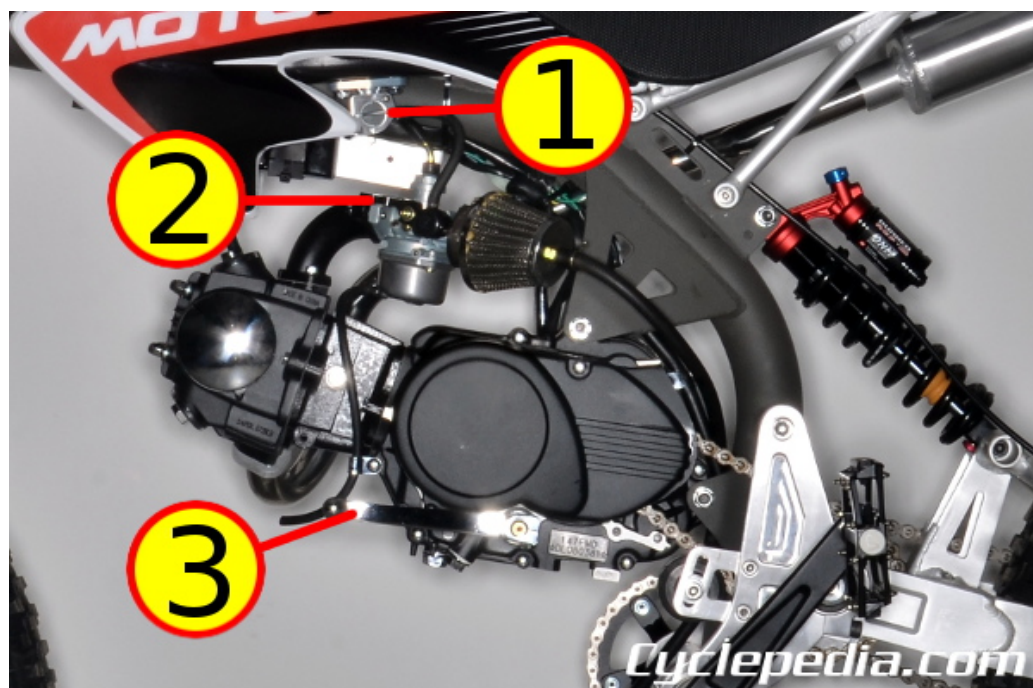
1. Throttle Grip
2. Engine Stop Switch
3. Rear Brake Lever
4. Front Brake Lever



Electric start button (on equipped models).

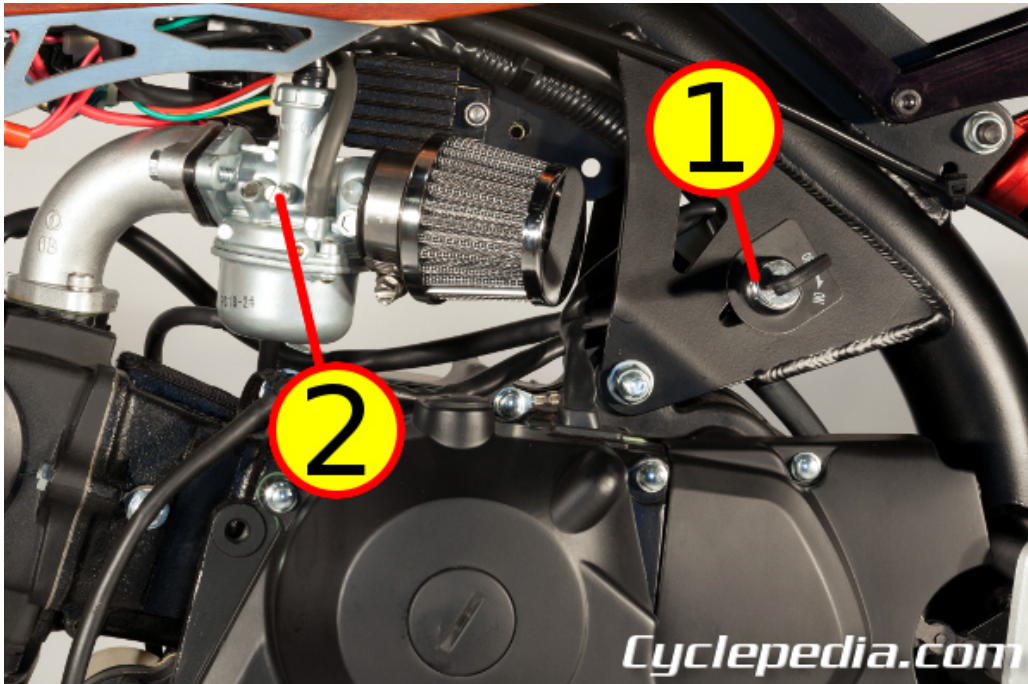


1. Fuel Tank Cap
2. Pedals
3. Kickstarter (on equipped models)



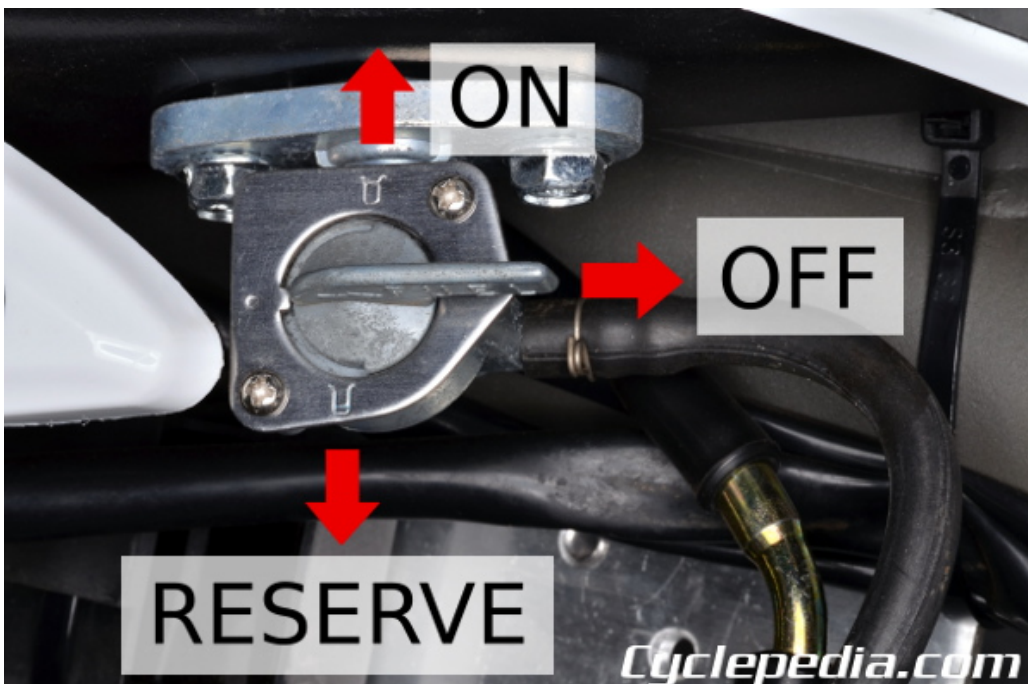
1. Fuel Valve

- 2. Choke Lever
- 3. Gearshift Pedal



- 1. Ignition Switch
- 2. Idle Adjuster

Fuel Valve



The three-way fuel valve is used to control the flow of fuel from the fuel tank to the carburetor.

ON

Turn the fuel valve to ON before starting the engine, and keep it in this position for normal operation.

OFF

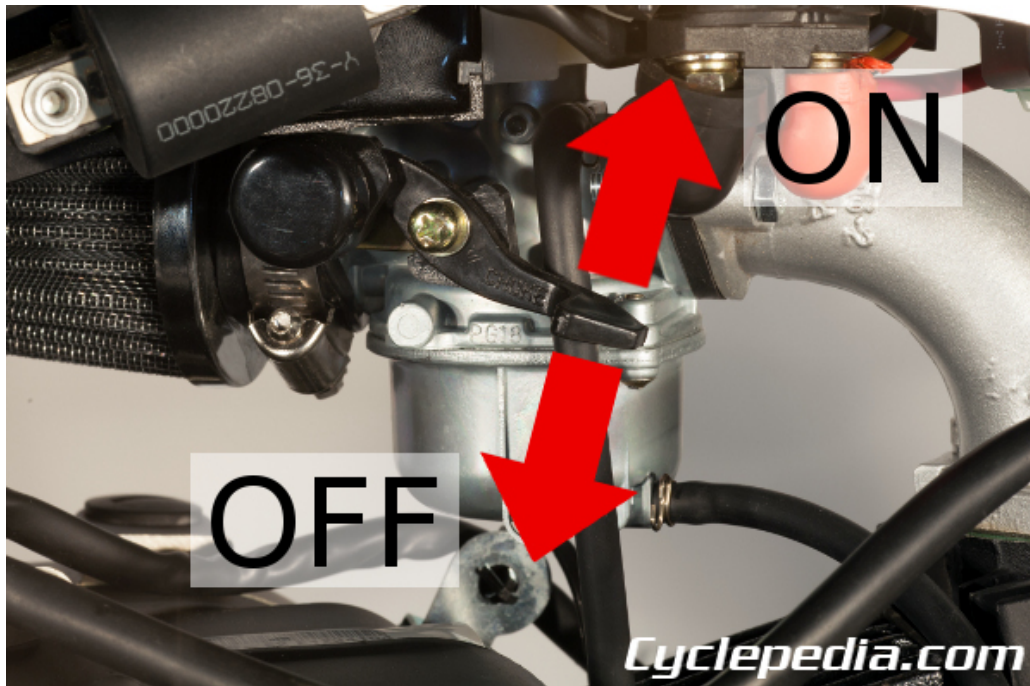
Turn the fuel valve to the OFF position to stop fuel from flowing to the carburetor. Place the valve in this position when the engine is off.

RESERVE

Turn the fuel valve to RESERVE to send fuel from the reserve level of the fuel tank to the carburetor.

The tank should be refilled as soon as possible after switching to reserve, and the fuel valve should be returned to the ON position after refueling to avoid running out of fuel with no reserve fuel.

Choke



The choke lever is used to start a cold engine. Turn the choke off when the engine is warm.

Do not use the choke to start a warm engine.

Brake



The brake levers are used to slow or stop the MOTOPED®. To operate, pull the lever.

Throttle



The throttle controls engine rpm (speed). To increase engine rpm, rotate the grip toward you.

To reduce engine rpm, rotate the grip away from you.

The throttle will automatically return to the closed position (engine idle) when you remove your hand.

Shift Lever

Automatic Transmission

All 49cc MOTOPED® engines are equipped with two stage automatic engines. There is no shifting required.

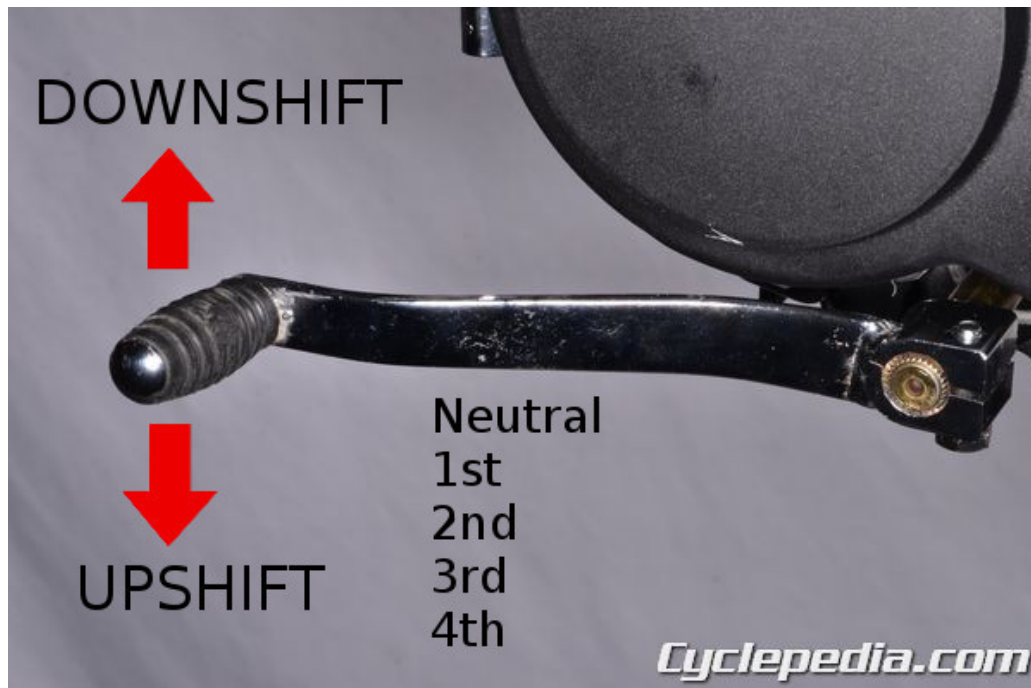
Semi Automatic Transmission

All 125cc MOTOPED® engines are equipped with 4 speed semi automatics.



Note: The shift pattern may differ depending on the engine type. Familiarize yourself with the transmission shift pattern before operating the vehicle.

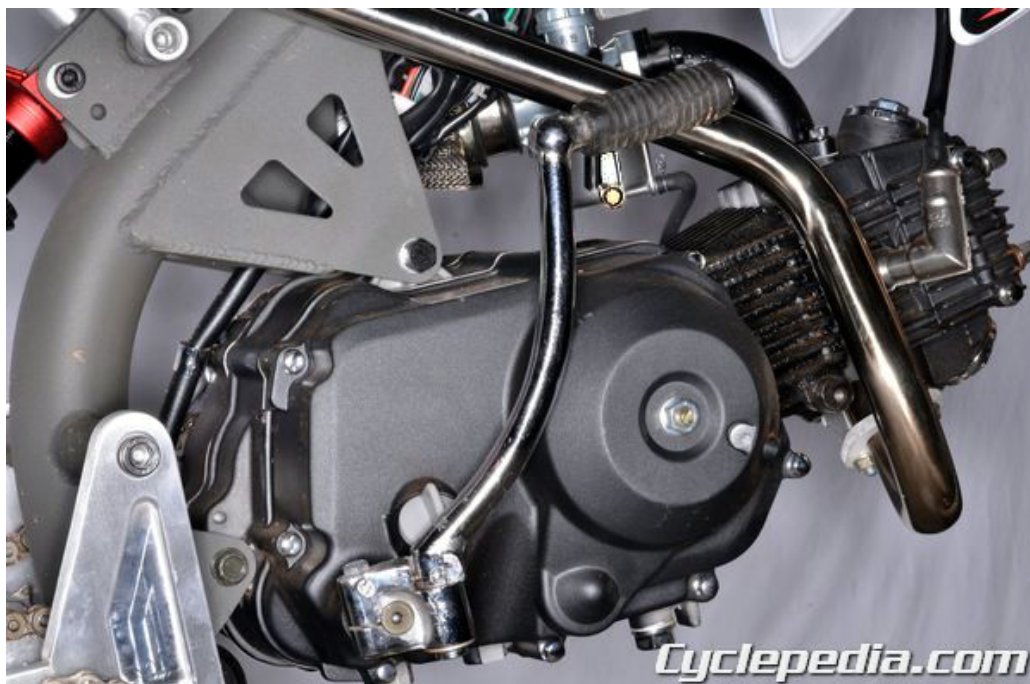
The shift lever is used to select the next higher or lower gear in the transmission. To operate, depress the shift lever (after closing the throttle) to engage the next higher gear or raise the shift lever to engage the next lower gear.



The engine has four forward gears and a neutral position. Pull the shifter up repeatedly to put the transmission in neutral.

For more information on using the shifting see the Shifting section of the [Operation and Riding](#) topic.

Kick Starter



The kick starter is located on the right side of the engine.

For more information on using the kick starter see the Starting Procedure in the [Operation and Riding](#) topic.

Before Riding

Before you ride your MOTOPED® for the first time, we strongly recommend that you:

- read this owner's manual
- make sure you understand all the safety messages
- know how to operate all the controls
- read and understand your state and municipal regulations

Before each ride, we also suggest that you make sure you are:

- in good physical and mental condition
- free of alcohol and drugs
- wearing an approved motorcycle helmet (with chin strap tightened securely), eye protection, and other protective clothing

Protective Gear

For your safety, we strongly recommend that you always wear an approved motorcycle 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 injury when you ride. Following are suggestions to help you choose the proper gear.

Helmet and Eye Protection

Warning: Not wearing a helmet increases the chance of serious injury or death in a crash.

Be sure you always wear a helmet, eye protection 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 helmet should fit your head comfortably and have a chin strap that can be tightened securely.

An open-face helmet offers some protection, but a full-face helmet offers more. Regardless of the style, look for a DOT (Department of Transportation) sticker on any helmet you buy (USA only). Always wear a face shield or goggles to protect your eyes and help your vision.

Additional Riding Gear

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

- Sturdy off-road motorcycle boots to help protect your feet, ankles, and lower legs.
- Off-road motorcycle gloves to help protect your hands.
- Riding pants with knee and hip pads, a riding jersey with padded elbows, and a chest/shoulder protector.

Pre-Ride Inspection

Before each ride, it's important to inspect your MOTOPED® and make sure any problem you find is corrected. A pre-ride inspection is a must because off-road riding can be tough on a vehicle and you don't want to have a breakdown far from help.

Warning: Improperly maintaining this vehicle 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 every ride and correct any problems.

Check the following items before you get on the vehicle:

ITEM	CHECK
Tires	Use a gauge to check the air pressure. Adjust if needed. Also look for signs of damage or excessive wear.
Spokes and Rims	Make sure the spokes are tight. Also check the rims for damage.

Leaks	Look under the vehicle for signs of leaking fluids (fuel, engine oil).
Engine Oil	Check the level and add oil if needed.
Fuel	Check the level and add fuel if needed. Also make sure the fuel fill cap is securely fastened.
Drive Chains	Check the condition and slack. Adjust and lubricate if needed. Also check the chain roller/tensioners for wear and replace if needed
Cables	Check the cable housings for wear. Check the fittings for looseness. Replace or tighten as needed.
Nuts & Bolts	Use a wrench to make sure all accessible nuts, bolts, and fasteners are tightened to specification.
Spark Plug and Cap	Check for looseness.

Check these items after you get on the vehicle:

ITEM	CHECK
Throttle	Check the freeplay and adjust if needed. Rotate the throttle to make sure it moves smoothly without sticking, and snaps shut automatically when it is released, in all steering positions.
Brakes	Squeeze the brake levers to check that the controls operate normally.

Remember, be sure to take care of any problem you find before you ride.

Operation and Riding

Safe Riding Precautions

Before riding your MOTOPED® for the first time, please review the safety section.

Even if you have ridden other motorcycles or motorized bicycles, take time to become familiar with how the MOTOPED® works and handles.

Practice in a safe area until you build up your skills and get accustomed to the MOTOPED®.

For your safety, avoid starting or operating the engine in an enclosed area such as a garage. The engine exhaust contains poisonous carbon monoxide gas which can collect rapidly in an enclosed area and cause illness or death.

Your MOTOPED® is not equipped with DOT lights. Do not ride at night.

Starting Procedure

To start the engine place the ignition and kill switches in the RUN position.

Place the transmission in neutral and operate the choke as necessary. Use the choke if the engine is cold, or if the air is cold.

Turn the fuel valve to the ON position.

Electric Starter



Press the electric start button to turn the engine over with the electric starter motor.

Kick Starter



Position the pedals so the right pedal and crank arm will not interfere with the use of the kick starter.



Fold out the kick starter.



Kick the start lever down in a swift continuous motion.

Allow the kick starter to return to its resting position and fold it in to prepare to ride.

Turn off the choke after the engine warms up.

Flooded Engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel.

To clear a flooded engine:

- Turn the engine stop switch to OFF.
- Turn the choke OFF.
- Open the throttle fully.
- Crank the engine several times with the kick starter or electric starter.
- Turn the engine stop switch to RUN.
- Attempt to start the engine without the choke.

How to stop the engine



Use the engine kill switch to stop the engine. Place the transmission in neutral. Remove the key from the ignition switch to disable the vehicle.

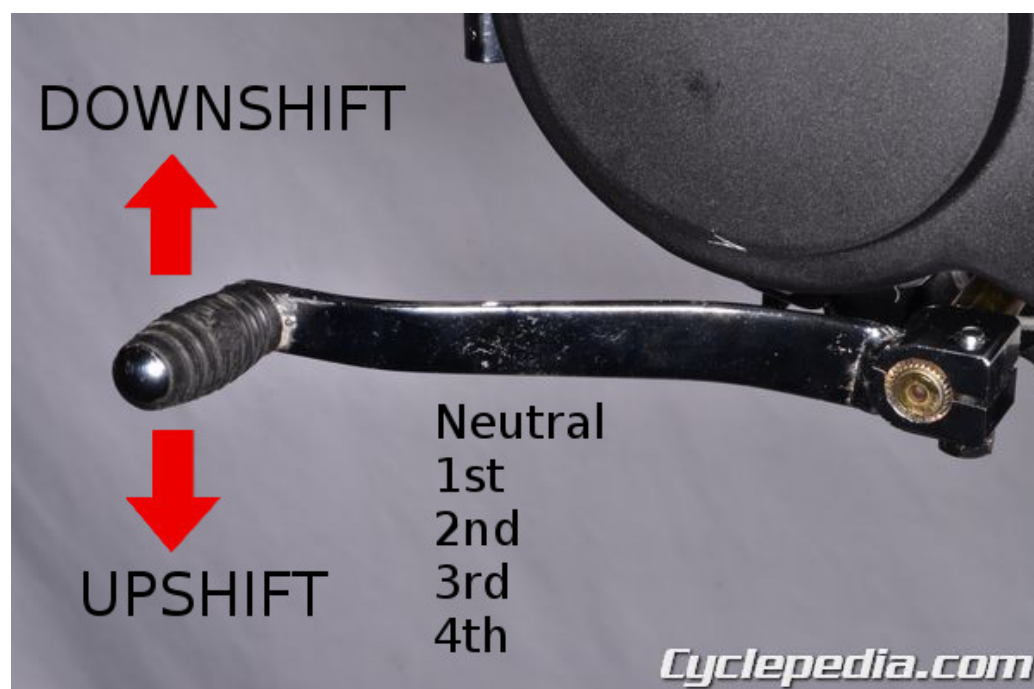
Shifting

Semi Automatic Transmission

All 125cc MOTOPED® engines are equipped with 4 speed semi automatics.

Note: The shift pattern may differ depending on the engine type. Familiarize yourself with the transmission shift pattern before operating the vehicle.

The shift lever is used to select the next higher or lower gear in the transmission. To operate, depress the shift lever (after closing the throttle) to engage the next higher gear or raise the shift lever to engage the next lower gear.



The engine has four forward gears and a neutral position. Pull the shifter up repeatedly to put the transmission in neutral.

Close the throttle and pull in the brake lever. Push the shift lever down once to put the transmission in first gear.

Release the brake and gradually open the throttle. When an upshift is desired, close the throttle and push the shift lever down an additional notch to upshift into a higher gear. Repeat to shift into higher gears as desired.

To downshift into a lower gear, close the throttle and lift up the shift lever.



It may be helpful to rotate the pedals to the position shown above to support your foot as you lift your toe to raise the shift lever.

Remember to close the throttle before shifting and allow the shifter to return to its resting position after each shift movement.

Notice: Improper shifting may damage the engine, transmission and drive train.

Learning when to shift gears comes with experience. Upshift to a higher gear or reduce throttle before engine rpm (speed) gets too high. Downshift to a lower gear before you feel the engine laboring (lugging) at low rpm.

Notice: Downshifting can help slow your MOTOPED®, especially on downhills. However, downshifting when engine rpm is too high can cause engine damage.

Notice: To prevent transmission damage, do not coast or tow the MOTOPED® for long distances with the engine off.

Automatic Transmission

All 49cc MOTOPED® engines are equipped with two stage automatic engines. There is no shifting required.

Braking



To slow or stop, apply the brakes smoothly, while downshifting to match your speed. Gradually increase braking as you feel the brakes slowing your speed.

For maximum braking, close the throttle and firmly apply the brake levers.

Applying the brakes too hard may cause the wheels to lock and slide, reducing control of your MOTOPED®. If this happens, release the brake controls, steer straight ahead until you regain control, then reapply the brakes more gently.

Generally, reduce your speed or complete braking before beginning a turn. Avoid braking or closing the throttle quickly while turning. Either action may cause one or both wheels to slip. Any wheel slip will reduce your control of your MOTOPED®.

When riding in wet or rainy conditions, or on loose surfaces, the ability to maneuver and stop will be reduced. All of your actions should be smooth under these conditions. Rapid acceleration, braking or turning may cause loss of control. For your safety, exercise extreme caution when braking, accelerating, or turning.

When descending a long, steep grade, use engine compression braking by downshifting, with intermittent use of both brakes.

Parking

Support the MOTOPED® with a suitable stand or jack to prevent it from falling over. Turn the ignition switch OFF and remove the key. If you're finished riding for the day, also turn the fuel valve OFF. Always choose a level place to park.

When you return home after riding, thoroughly clean your MOTOPED® and remove any dirt, mud, brush, rocks or other objects you may have picked up along the way.

After cleaning, carefully inspect your MOTOPED® for leaks or damage.

Be sure to lubricate the chains to prevent rusting.

Maintenance

Keeping your MOTOPED® well maintained is absolutely essential to your safety. It's also a good way to protect your investment, get maximum performance, avoid breakdowns, and have more fun.

To help keep your MOTOPED® in good shape, this section includes a Maintenance Schedule for required servicing and step-by-step instructions for specific maintenance tasks.

You'll also find important safety precautions and information on fluids.

A well-maintained vehicle is essential for safe, economical, and trouble-free riding. It will also help reduce air pollution. Careful pre-ride inspections and good maintenance are especially important because your MOTOPED® is designed to be ridden over rough off-road terrain.

More frequent service will be needed if you subject your MOTOPED® to severe use (such as competition) or ride in unusually wet or dusty areas. We do not recommend the MOTOPED® for closed circuit competition. Closed circuit competition will void the manufacturers warranty.

Frequent servicing of the air cleaner is especially important to help you avoid a possible costly engine repair.

If your MOTOPED® overturns or is involved in a crash, be sure to inspect all major parts and perform all necessary repairs before operating the MOTOPED®.

Remember, proper maintenance is the owner's responsibility. Be sure to inspect your MOTOPED® before each ride and follow the Maintenance Schedule in this section.

Warning: Improperly maintaining this vehicle 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 owner's manual.

The maintenance section includes instructions on how to perform some important maintenance tasks. We cannot warn you of every conceivable hazard that can arise in performing maintenance; only you can decide whether or not you should perform a given task.

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 owner's manual.

Maintenance Safety

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

- Carbon monoxide poisoning from engine exhaust. Be sure there is adequate ventilation whenever you operate the engine.
- Burns from hot parts. Let the engine and exhaust system cool before touching.
- Injury from moving parts. Do not run the engine unless instructed to do so.
- Read the instructions before you begin, and make sure you have the tools and skills required.
- To help prevent the vehicle from falling over, park it on a firm, level surface, using a suitable jack or a maintenance stand to provide support.
- To reduce the possibility of a fire or explosion, be careful when working around gasoline. Use only a non-flammable (high flash point) solvent such as kerosene not gasoline to clean parts. Keep cigarettes, sparks, and flames away from all fuel related parts.

Maintenance Schedule

To keep your MOTOPED® bike safe and reliable when you ride, regular inspections and service is required. Below you will find a maintenance schedule that describes when components need to be inspected or serviced. This handy 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 MOTOPED® bike 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 MOTOPED® bike to avoid missing needed maintenance procedures. If you do not feel comfortable with performing any of these maintenance procedures, please contact MOTOPED® for help by calling us toll free at 1-888-488-MOTO (6686).

Note: Your MOTOPED® bike may require more frequent service if you ride in particularly wet or dusty conditions.

	Every Use	After first 2 hours of riding	First Month (20 hours)	Every 3 Months	Every 6 Months	Every Year (200 hours)
Lube, check and adjust chain	X					
Check engine oil*	X					
Change engine oil*		X	X		X	
Check air filter*	X					
Clean air filter*				X		
Change air filter*						X

Clean carburetor sediment cup*				X		
Clean and adjust spark plug*					X	
Replace spark plug*						X
Check/adjust valve clearance**						X
Clean fuel tank and filter*						X
Check fuel tube*						X
Inspect tires and check pressure*	X					
Inspect wheels and spokes*	X					
Tighten all nuts and bolts*				X		
Check brakes*	X					
Check throttle*	X					

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

** Recommended to be performed by authorized service center.

See Motoped.com for simple how-to videos for all maintenance procedures above.

Keeping an accurate maintenance record will help ensure that your MOTOPED® is properly maintained. Use the space under Notes to record anything you want to remind yourself about or mention to your dealer. Of course, if you find any problem while servicing your MOTOPED®, be sure it is corrected as soon as possible.

Fuel Line

Warning: Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine and keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.



Inspect the fuel hose for damage and deterioration.

Throttle Operation



Check the throttle cable free play by gently rotating the throttle grip back until resistance is felt.

Throttle grip free play 2 ~ 4 mm (1/16 ~ 3/16 in)

Make sure the throttle moves smoothly and returns on its own. Start the engine and let it warm up. Turn the handlebars from side to side, if the engine rpm changes either the free play is too small or the throttle cable is not routed properly. Check and correct the cause.

Adjustment



Loosen the locknut with a 10 mm wrench and turn the adjuster to set the throttle cable free play if necessary. Tighten the locknut securely against the adjuster when finished, and slide the rubber cover over the adjuster.

Lubrication



Lubricate the cable with a commercially available cable lubricant to

prevent premature rust and corrosion.

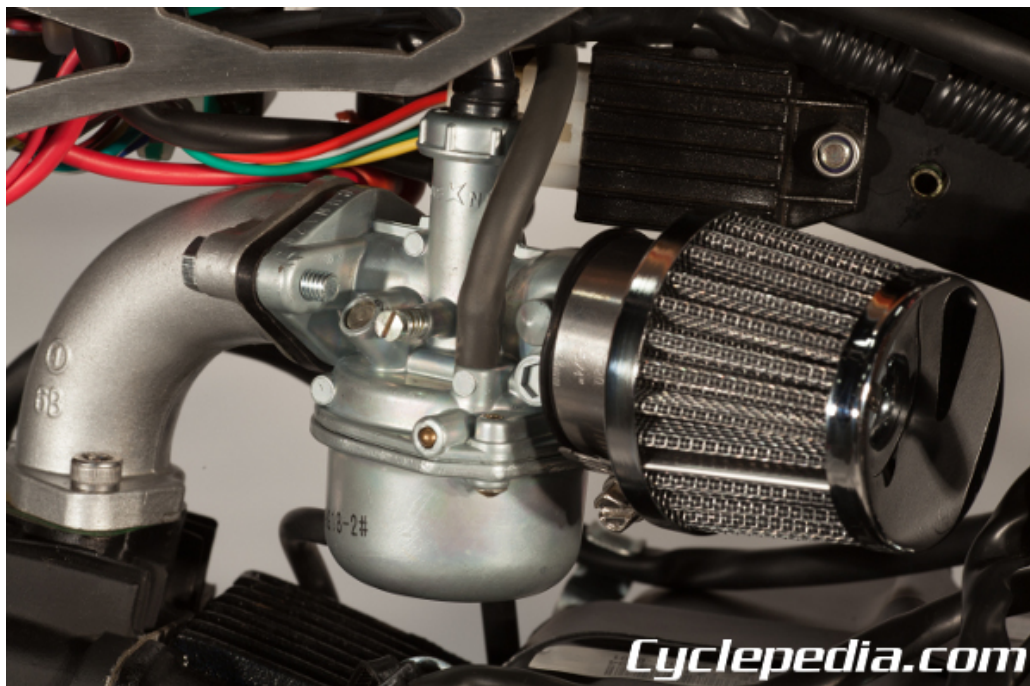
Air Cleaner

Proper air cleaner maintenance is very important for off-road vehicles. A dirty, watersoaked, worn-out, or defective air cleaner will allow dirt, dust, mud, and other impurities to pass into the engine.

Service the air cleaner more frequently if you ride in unusually wet or dusty areas. Your dealer can help you determine the correct service interval for your riding conditions.

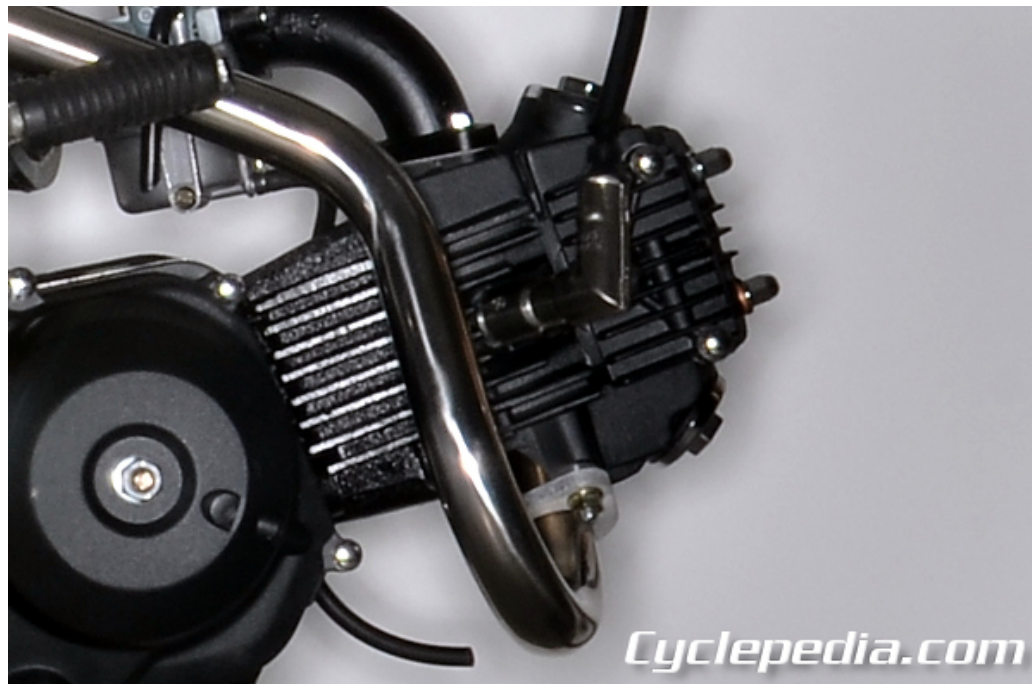
Proper air cleaner maintenance can prevent premature engine wear or damage, expensive repairs, low engine power, poor gas mileage, and spark plug fouling.

Paper Filter



Inspect a paper filter for damage and contamination replace a paper filter if it is damaged or clogged.

Spark Plug



The spark plug is located on the right side of the cylinder head.



Pull the spark plug cap off of the spark plug.

Clean off the area surrounding the spark plug with compressed air or a shop towel.

This is to make sure debris doesn't get into the combustion chamber when the spark plug is removed.

NOTE: Always wear safety glasses when using compressed air and never point it directly at yourself or anyone else.



Remove the spark plug using a 5/8 in. spark plug socket.



Inspect the color of the porcelain nose of the spark plug. The color of the spark plug can indicate how the mixture is burning. A white colored plug shows a lean mixture, where a dark plug shows a rich mixture. Clean the spark plug and inspect its condition. Do not hesitate to replace a spark plug.



Always check the gap of the spark plug before installation. If the gap needs to be adjusted bend the ground electrode carefully.

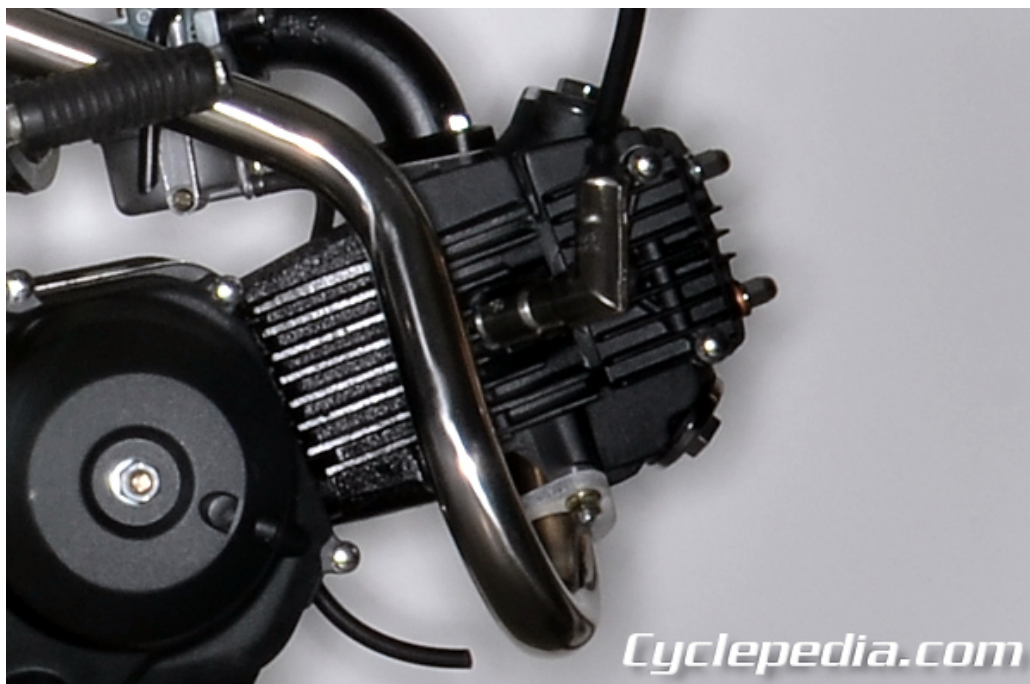
Spark plug	NGK CR7HSA
Spark plug gap	0.7 – 0.8 mm



Thread the spark plug by hand before using a socket to tighten.

Torque to specification with a 5/8 in. spark plug socket. Do not over tighten the spark plug.

Torque (N-m)	Torque (ft-lbs.)
16	12



Install the spark plug cap onto the spark plug.

Engine Fuel

Fuel Recommendation

Any clean unleaded gasoline with a pump rating of 86 octane or higher. Octane rating will be displayed on the gas pump where you purchase it. Motoped recommends the use of 92 octane or higher to get the maximum performance from your bike. This engine is not designed to use E-85 Ethanol Blended Fuels.

Use of lower octane gasoline can cause pre-detonation or “pinging” under heavy acceleration. A small amount of occasional pinging is nothing to be alarmed about, but severe pinging can cause engine damage. If you tend to experience pinging under normal loads, switch to a higher-octane gasoline.

Never use stale or contaminated gasoline, or gasoline that has been mixed with oil. Avoid getting dust, dirt or moisture in your fuel tank.

Refueling Procedure PROCEDURE

1. Twist the fuel tank cap counter clockwise to remove from the tank.
2. Using a funnel, add fuel to the tank until the level reaches about 2 inches from the top. Be careful not to over fill and spill fuel.
3. Replace the cap by screwing on in a clockwise direction until you feel it seat firmly.

WARNING: Gasoline is highly flammable and explosive. You can be burned and seriously injured when handling gasoline. Always stop the engine. Only handle gasoline outdoors. Clean up spills immediately.

Engine Oil

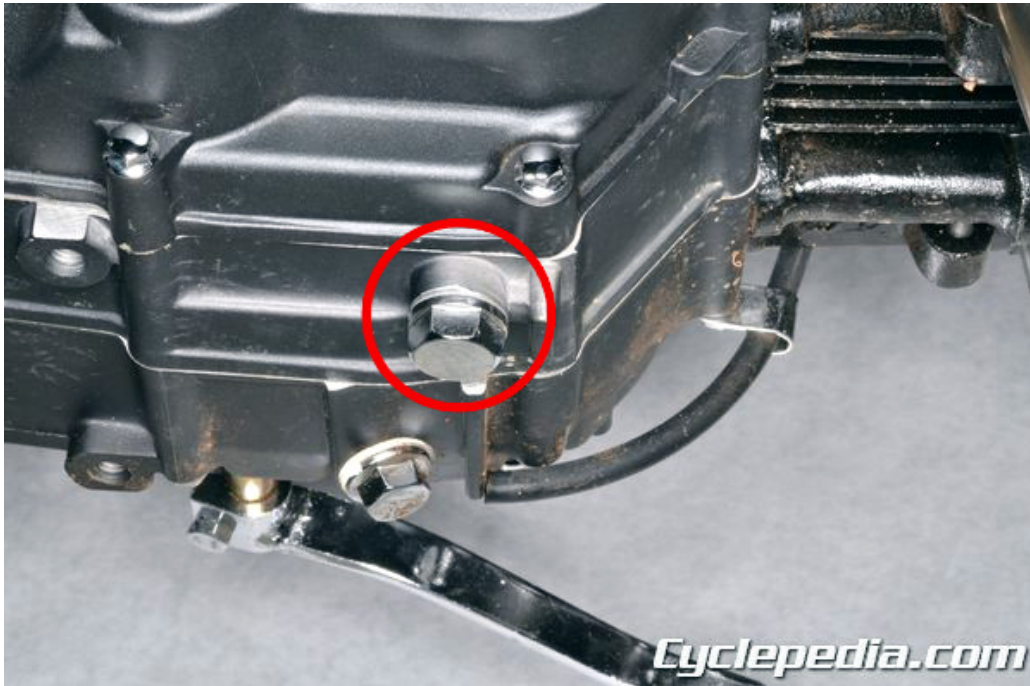
MOTOPED® recommends changing the engine oil every 20 hours of use for optimum performance. It is **REQUIRED** that the engine oil be changed at a minimum of every 30 hours to maintain your engine warranty.

If the engine is cold, start it and let it idle for 3-5 minutes. Turn the engine off. Wait 2-3 minutes for the oil to settle.

Support the MOTOPED® vertically with a suitable stand or jack on a firm surface so that the bottom of the crankcase is level.



Remove the oil fill cap/dipstick.



Place a drain pan under the crankcase.

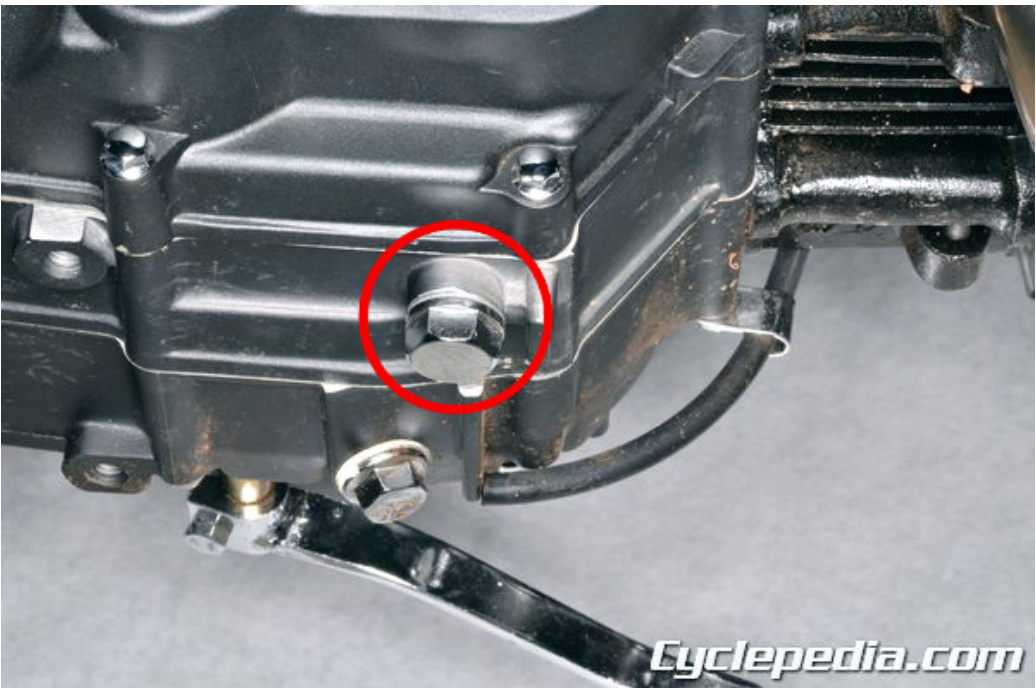
Loosen and remove the oil drain bolt plug.

After most of the oil is drained, gently tilt the vehicle from side to side to drain the remaining oil.

Pour the drained oil into a suitable container and dispose of it in an approved manner.



Remove the old sealing washer and install a new sealing washer with the drain bolt.



Install the oil drain bolt and tighten to the specified torque.

Torque (N-m)	Torque (ft-lbs.)
17.6	13



Fill the engine oil approximately 0.8 L or 0.85 qts. Use a quality 15W-40 motorcycle specific engine oil.

Remove the dipstick and clean the measuring surface. Insert the dipstick without threading it in. Remove the dipstick and inspect the oil level. The oil level should be in the indicated range. Add additional oil if necessary. Use a quality 15W-40 motorcycle specific engine oil.



Make sure the oil dipstick O-ring is in good condition. Thread the dipstick into the side cover and tighten it securely by hand.

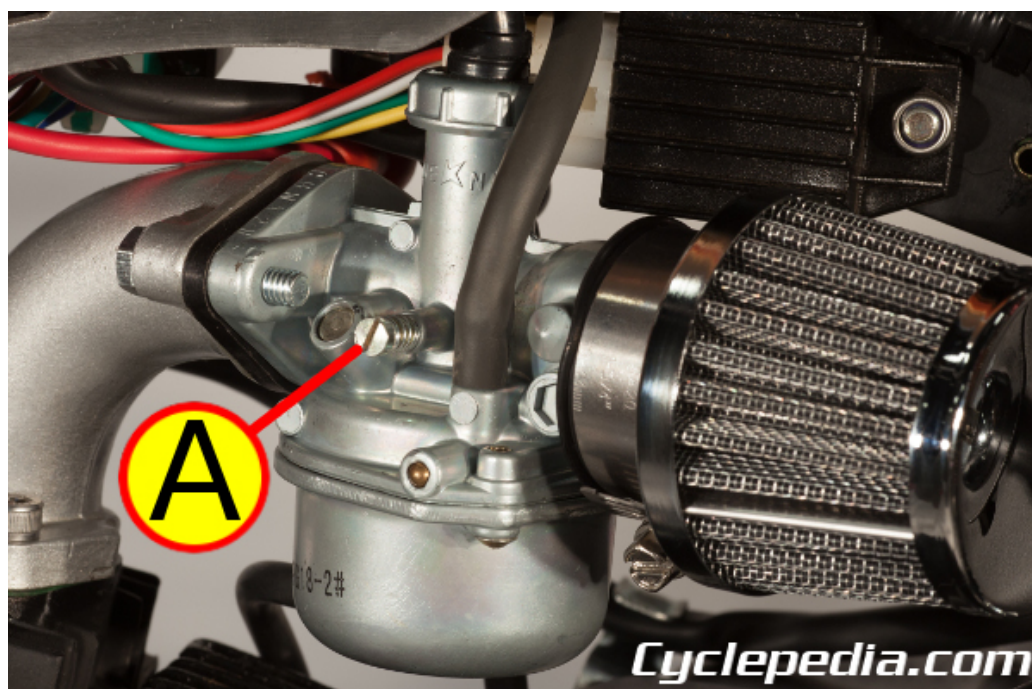
Engine Idle Speed

The engine must be at normal operating temperature with the choke off for accurate idle speed adjustment. Ten minutes of stop-and-go riding is sufficient.

Do not attempt to compensate for faults in other systems by adjusting idle speed.

Warm up the engine, shift to neutral and support the vehicle with a suitable stand or jack.

Connect a tachometer, following the tachometer manufacturer's instructions.



Adjust idle speed with the throttle stop screw (A).

Idle Speed

1,400 - 1,600 rpm

Drive Chain

Cleaning and General Inspection

Warning: Turn the ignition switch to the off position when inspecting or handling the chains. Never run the engine when working with the chains.

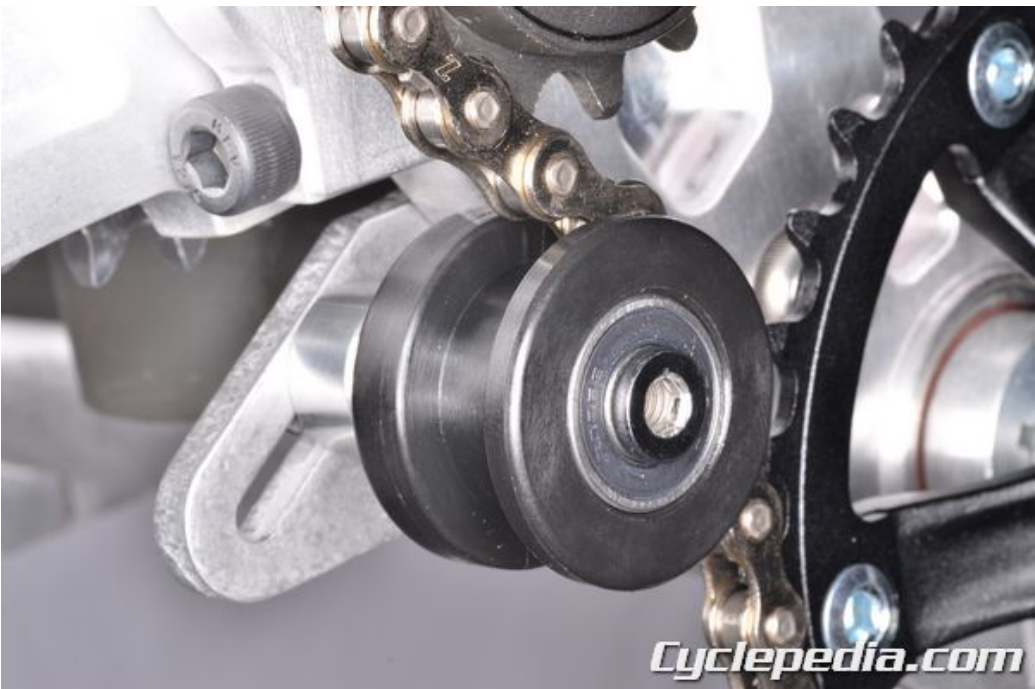


Clean and lube the chains in the same manner. Clean the chain with a suitable high flash point solvent and a soft brush. Wipe the chain dry. Make sure it is completely dry before applying lubricant to the chain. Lubricate the chain with #80-90 gear oil or a suitable drive chain lube.

Bicycle Chain



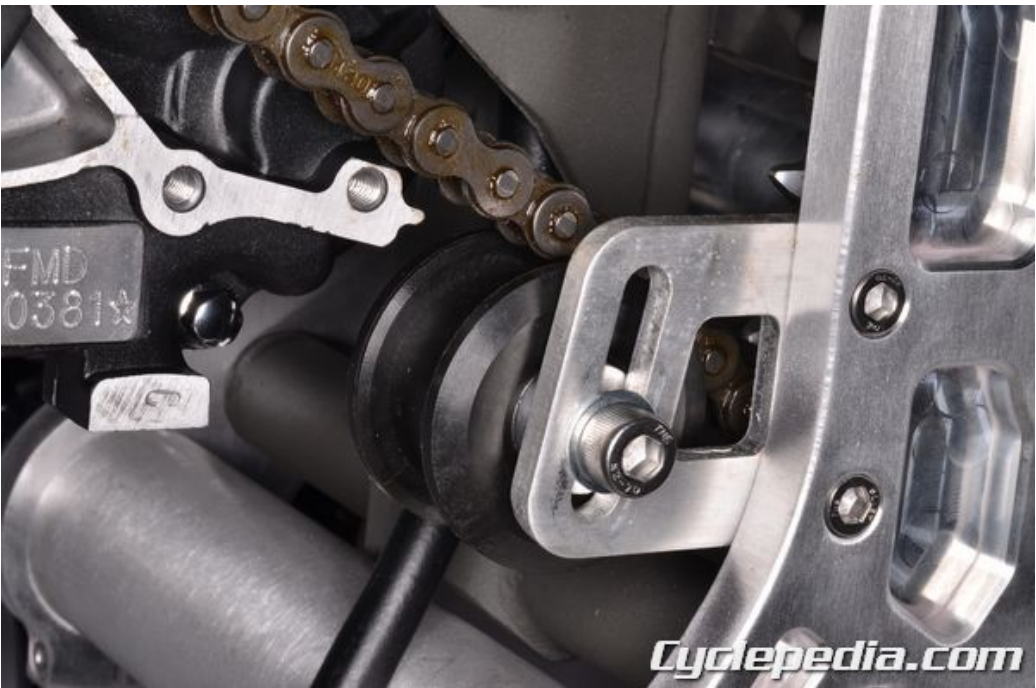
Inspect the bicycle chain, sprockets, and roller/tensioner for wear and damage. Replace the components or adjust the roller/tensioner position as necessary.



Fit the roller/tensioner into place against the chain tighten it securely.

Torque (N-m)	Torque (ft-lbs.)
8.7	6.4

Engine Drive Chain



Inspect the engine drive chain, sprockets, and roller/tensioner for wear and damage. Replace the components or adjust the roller/tensioner position as necessary.

Adjust the roller/tensioner into place against the chain and tighten the nut and bolt with a 13 mm socket and 6 mm hex wrench.

Torque (N-m)	Torque (ft-lbs.)
8.7	6.4

Final Drive Chain



Inspect the final drive chain and sprockets for wear and damage. Support the MOTOPED® with a suitable stand or jack and rotate the rear wheel to check for tight spots and kinking in the chain.

The final drive chain should have around an inch or 25 mm of free play with the wheel on the ground. Check the free play mid way between the sprockets on the lower run of the chain. Check the free play in the tightest spot on the chain.





Loosen the rear axle nuts with an 18 mm socket.



Tighten the axle tensioner nuts to reduce the chain free play. Turn the adjuster nuts evenly on both sides of the wheel.

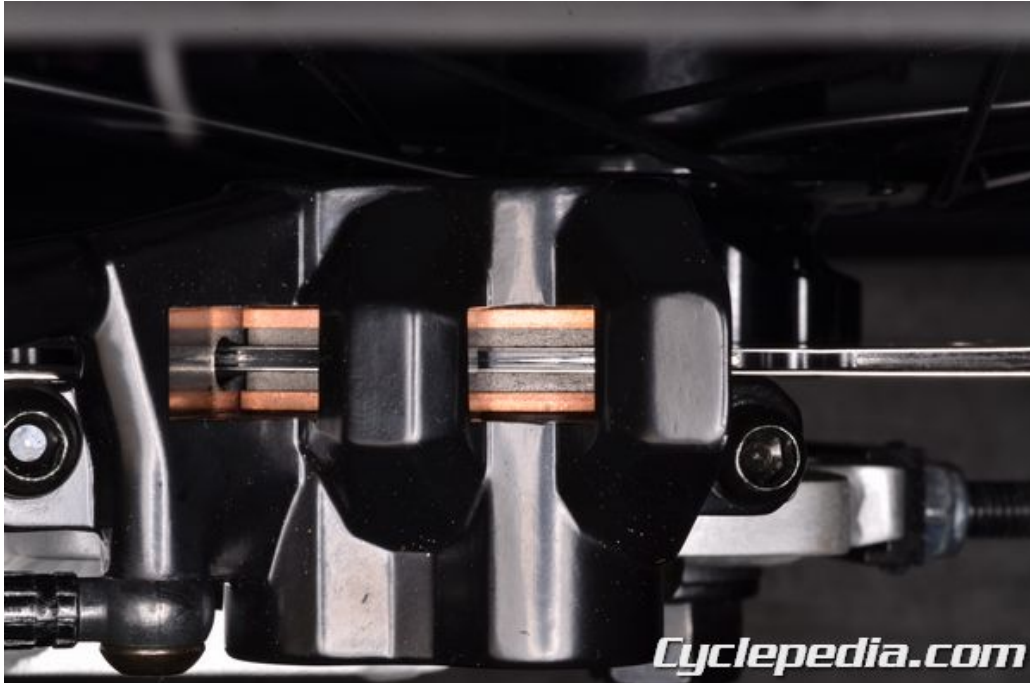


Tighten the axle nuts securely when finished. Make sure the wheel is correctly aligned in the swingarm.

Torque (N-m)	Torque (ft-lbs.)
61	45

Brakes

Brake Pads



Inspect the brake pad lining thickness. Replace the brake pads if the lining thickness is below 1 mm.

Burnishing

Disc brakes require a special burnish period to achieve maximum braking power.

This burnish period last for about 30-40 stops. During this period some noise may occur.

Brake Function



Inspect the brake function before riding the vehicle. If air needs to be bled from the brake fluid see the bleeding instructions in the additional resources.



Inspect the calipers, master cylinders, and brake hoses for damage and leaks. Replace the components as necessary.

Lever Adjustment



Turn the adjuster wheel to adjust the brake lever resting position towards or away from the grip.

Brake Caliper Alignment

With Alignment Tool (Sold Separately)



The caliper alignment tool can be used to aid in caliper alignment and prevent brake pads from dragging on the disc



Loosen the caliper mounting bolts with a 5 mm hex socket.

Insert the feeler gauges between the disc and pad linings.

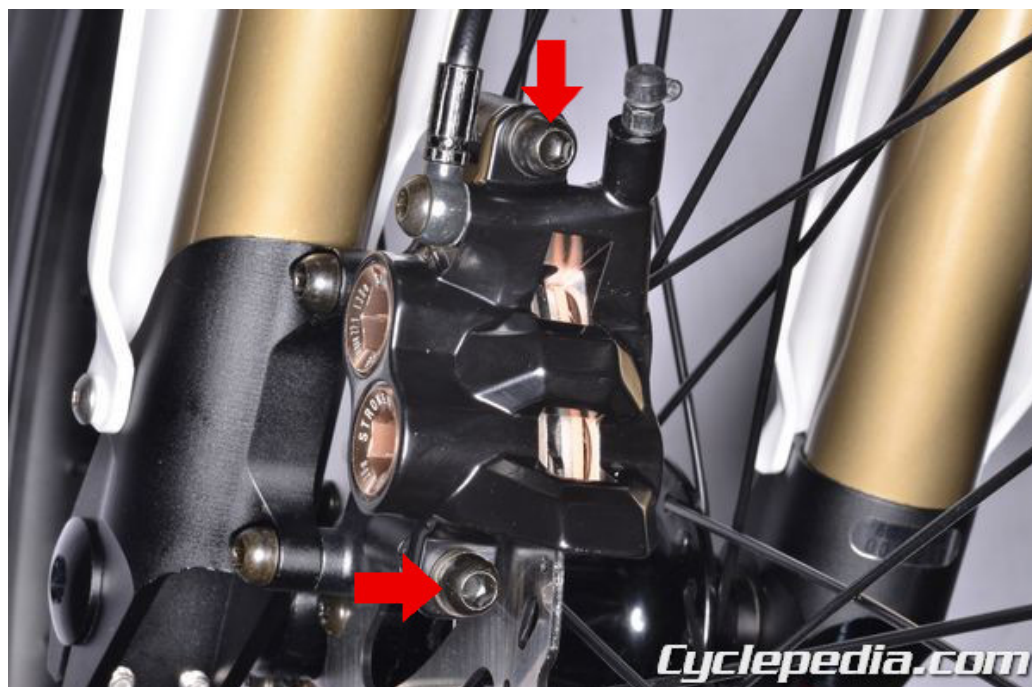


Squeeze the brake lever and align the caliper with the brake disc. While holding the brake lever, gently wiggle the caliper to position it in its natural centered position over the disc. While squeezing the lever, tighten the mounting bolts.

When the caliper is aligned correctly tighten the mounting bolts to specification with a 5 mm hex socket.

Torque (N-m)	Torque (ft-lbs.)
9.5	7

Without Caliper Alignment Tool



Loosen the caliper mounting bolts with a 5 mm hex socket. Squeeze the brake lever and align the caliper with the brake disc. While holding the brake lever, gently wiggle the caliper to position it in its natural centered position over the disc. While squeezing the lever, tighten the mounting bolts.

Release the lever, spin the wheel. Check that it spins freely and that the gaps, between the pad and the disc, are equal. If the gaps are unequal, or if there is drag, readjust the caliper position by loosening the mounting bolts and adjusting the caliper as needed. Note: A piece of paper can be used as a background to help sight down the disc looking for equal clearance between the pads and disc. See the

Caliper Aliment tool section for more information.

When the caliper is aligned correctly tighten the mounting bolts to specification with a 5 mm hex socket.

Torque (N-m)	Torque (ft-lbs.)
9.5	7

Disc Inspection



Inspect the brake discs for warp and thickness. The minimum thickness should be stamped on the disc.

Hayes Brakes Additional Resources

[Hayes Brake Owners Manual - http://www.cyclepedia.com/manuals/online/motoped-pro/files/2015/01/Stroker45-21883-Web.pdf](http://www.cyclepedia.com/manuals/online/motoped-pro/files/2015/01/Stroker45-21883-Web.pdf)

[Hayes Brake Fluid Bleeding Instructions - http://www.cyclepedia.com/manuals/online/motoped-pro/files/2015/01/45-24898ENG_stroker_bleed.pdf](http://www.cyclepedia.com/manuals/online/motoped-pro/files/2015/01/45-24898ENG_stroker_bleed.pdf)

5800 W. Donges Bay Road. Mequon WI, 53092 Phone: (888) 686-3472 Fax: (262) 512-4219

www.hayesdiscbrake.com

hayestech@hayesbicycle.com

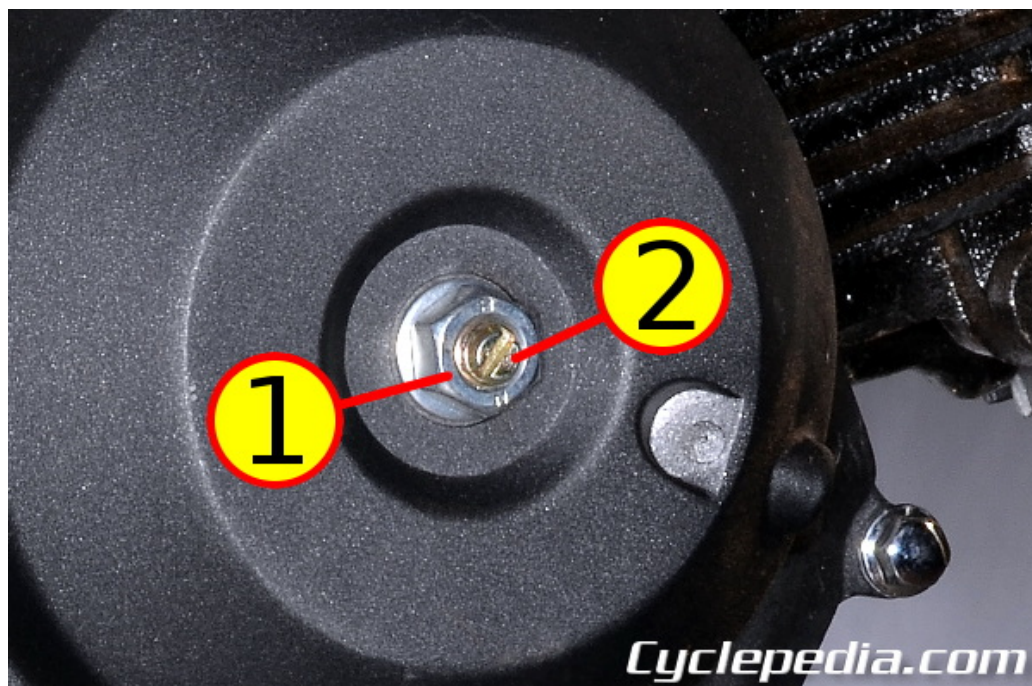
Clutch System

Inspection

The engine should start easily with the kickstarter without the clutch slipping. When shifting gears, the clutch operation should be smooth and light, especially when shifting into neutral.

Adjustment

NOTE: Two stage 49cc fully automatic transmissions and manual clutches do not require clutch adjustments. Only semi-automatic transmissions can be adjusted



Loosen the adjuster lock nut (1).

Turn the clutch adjuster (2) clockwise one turn; do not turn excessively.

Slowly turn the adjuster counterclockwise until a slight resistance is felt.

From this position, turn the adjuster clockwise 1/8 to 1/4 turn, and tighten the lock nut.

After adjustment, test ride the vehicle to be certain the clutch operates properly.

Suspension



Check the action of the front fork by holding the front brake and compressing the fork several times. Check the entire fork assembly for oil leaks, looseness, harshness, sticking or damage.

Check the movement of the rear suspension in the same manner.

Suspension Adjustments

Preload and Installed Length

The springs support the weight of the vehicle and return the suspension to its original position after encountering a bump and being compressed. To do this, the springs must apply force against the suspension even if the suspension is fully extended. To maintain this force, the spring must be slightly compressed (preloaded) when installed. The preload determines the resistance on the initial movement of the suspension system.

Ideally the preload should be set so when the vehicle is at full operating weight, rider and all, the suspension sags around 1/4 to 1/3 of its travel. If the suspension

sags too much, the ride height will be low and the suspension will not have much compression travel left to deal with bumps and impacts. However, the wheels will not have the needed extension travel to follow the ground if the suspension sag is insufficient.

Rebound Damping

Rebound damping controls how quickly the shock extends after being compressed.

Compression Damping

The compression damping adjusters control the amount of damping during the compression stroke of the shock absorber.

Front Fork

Preload Adjuster Knob



Turn+ direction to increase preload pressure

Turn – direction to decrease preload pressure

Main Air Chamber



Remove the valve cap and set the main air chamber pressure as desired with a shock pump.

Main Air Chamber Pressure	100 - 150 psi
---------------------------	---------------

Rebound Adjuster Knob

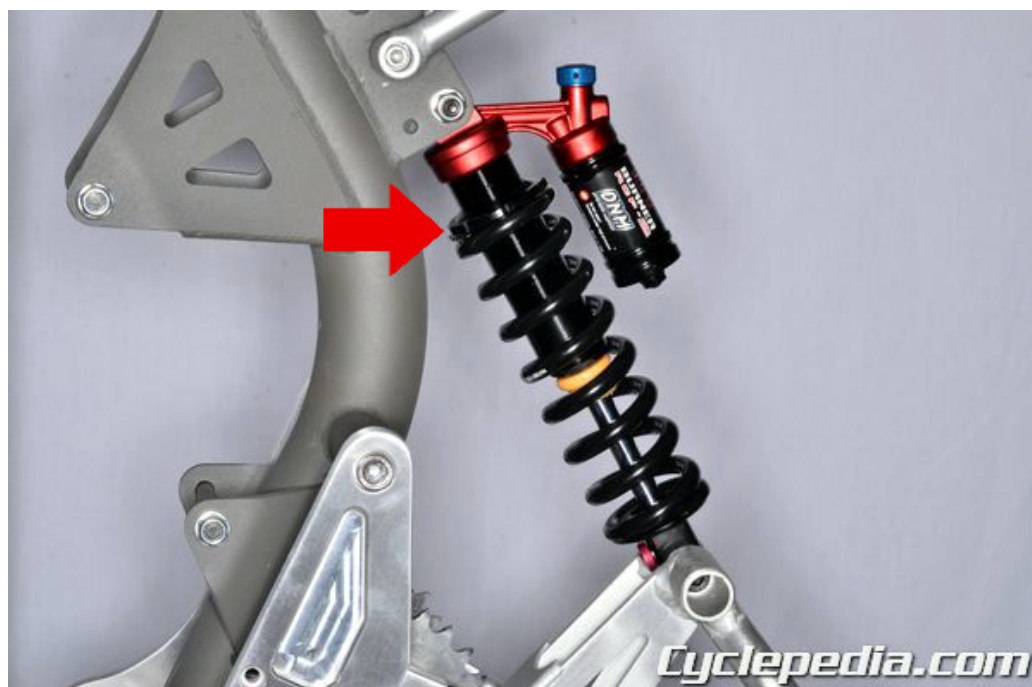


Turn clockwise direction to increase rebound damping (slow).

Turn counterclockwise direction to decrease rebound damping (fast).

Rear Shock Absorber

Preload Adjuster



Rotate the preload adjuster nut with a pin spanner to set the sag as desired.

Compression Adjuster



The blue compression adjuster is located at the top of the shock absorber.

Turn the adjuster knob clockwise to increase compression damping (slow).

Turn the adjuster knob counterclockwise to decrease compression damping (fast).

Rebound Adjuster



Turn the adjuster knob clockwise to decrease rebound damping (fast).

Turn the adjuster knob counterclockwise to increase rebound damping (slow).

Nuts, Bolts, Fasteners



Check the fasteners for looseness. Tighten fasteners as necessary.

Note: Reference assembly / service manual for proper hardware torque specifications.

Wheels

Keeping the wheels true (round) and maintaining correct spoke tension is critical to safe operation. During the first 60 miles (100 km), spokes will loosen more rapidly due to the initial seating of the parts.

Excessively loose spokes may result in instability at high speeds and the possible loss of control. Loose spokes may also cause rim or spoke damage.

It is not necessary to remove the wheels to perform the recommended service in the Maintenance Schedule. However, information for wheel removal is provided for emergency situations.



Inspect the wheel rims and spokes for damage. Tighten any loose spokes with a suitable spoke wrench.

Rotate the wheel slowly to see if it appears to “wobble.” If it does, the rim is out of round or not “true.” If the wobble is noticeable, remove the wheel and tire and true the wheel. Take the wheel to a professional if you lack the tools and experience.

Truing

With the spokes snug, place the wheel into a wheel truing stand. With a magnetic stand and a dial indicator in position, spin the wheel and measure the amount of runout. If the wheel moves side to side that is known as lateral wobble, if the wheel moves up and down that is known as radial hop.

When truing a wheel always correct the radial hop before correcting the lateral wobble.

To correct radial hop loosen the inside and outside spokes directly opposite of the high spot.

Locate the high spot on the rim and tighten the nipples 1/4 of a turn at a time until the high spot fades.

To correct lateral rim wobble you will need to figure out if its the right or left side first.

If the right side is out you will need to loosen several spokes on the right side where the wobble is and spin the wheel to see if this helped. If so tighten the spokes evenly and recheck. If the wheel still wobbles tighten several spokes near the wobble on the left side at the high point.

Using a spoke wrench, check the tightness of each spoke. When replacing the tire or tube remove the rim strap and inspect each nipple and lubricate them with a penetrating oil to keep them from corroding. Replace the spokes or nipples as needed.

Front Wheel

Removal



Loosen the axle pinch bolts with a 5 mm hex socket.



Remove the front axle bolts cap bolts with an 8 mm hex socket.



Tap the axle out with a rubber mallet if needed.



Remove the front axle.



Slide the wheel forward and free it from the fork and guide the brake disc out of the caliper. Do not squeeze the brake lever when the disc out of the pads.

Installation



Apply a light coat of water-proof grease to the axle.



Fit the wheel into place between the fork legs. The brake disc should sit on the left side.



Guide brake disc into the brake caliper so the disc fits between the brake pads.



Insert the axle.



Tap the axle into place with a rubber mallet if needed.



Install the axle cap bolts.



Tighten the axle cap bolts to specification with an 8 mm hex socket.

Torque (N-m)	Torque (ft-lbs.)
27 - 29	20 - 22



Hold the front brake and compress the forks by pushing on the handlebar a few times to seat the axle. Tighten the axle clamp bolts evenly to specification with a 5 mm hex socket.

Torque (N-m)	Torque (ft-lbs.)
8 - 9	6 - 7

Rear Wheel

Removal



Loosen the rear axle nuts with an 18 mm socket.



Remove the rear axle nuts, washers, and axle tensioners.

Push the rear wheel forward and free the chain from the rear sprocket.

Remove the rear wheel from the swingarm.

Installation



Install the axle tensioners with the rear axle.



Guide the rear wheel into the swingarm.



Install the axle tensioner, washer, and nut onto the axle on the outside of the swingarm.

Adjust the final drive chain slack and tighten the axle nuts securely when finished. See the [Drive Chain](#) topic for more information.

Torque (N-m)	Torque (ft-lbs.)
61	45

Tires



To safely operate your MOTOPED®, the tires must be the proper type and size, in good condition with adequate tread, and correctly inflated.

Warning: Using tires that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed.

- Inspect carefully for bumps or bulges in the side of the tire or the tread. Replace any tire that has a bump or bulge.
- Look closely for cuts, slits, or cracks in the tires. Replace a tire if you can see fabric or cord.
- Check for rocks or other objects embedded in the tire or tread. Remove any objects.
- Measure tread depth. Replace the tire before depth at the center reaches 0.12 in (3 mm), or any time you notice a reduction in traction.
- Check the position of both valve stems. A tilted valve stem indicates the tube is slipping inside the tire or the tire is slipping on the rim.

Air Pressure



Set the tire pressure as desired and install the valve cap.

Tire Pressure	Minimum	Maximum
Front and Rear	15 psi	35 psi

Steering



Support the vehicle with a suitable stand or jack so that the front wheel is off of the ground. Grasp the bottom of the fork legs and move the steering lock-to-lock. Also try to move the wheel forward and backward.



If you detect rough or abnormal movement the steering bearings may need to be

replaced.



Move the steering back and forth and check for any vertical play. Loosen the stem and upper fork crown to steerer tube clamps and tighten the cap nut to remove any play if needed.

Tighten the clamps securely.

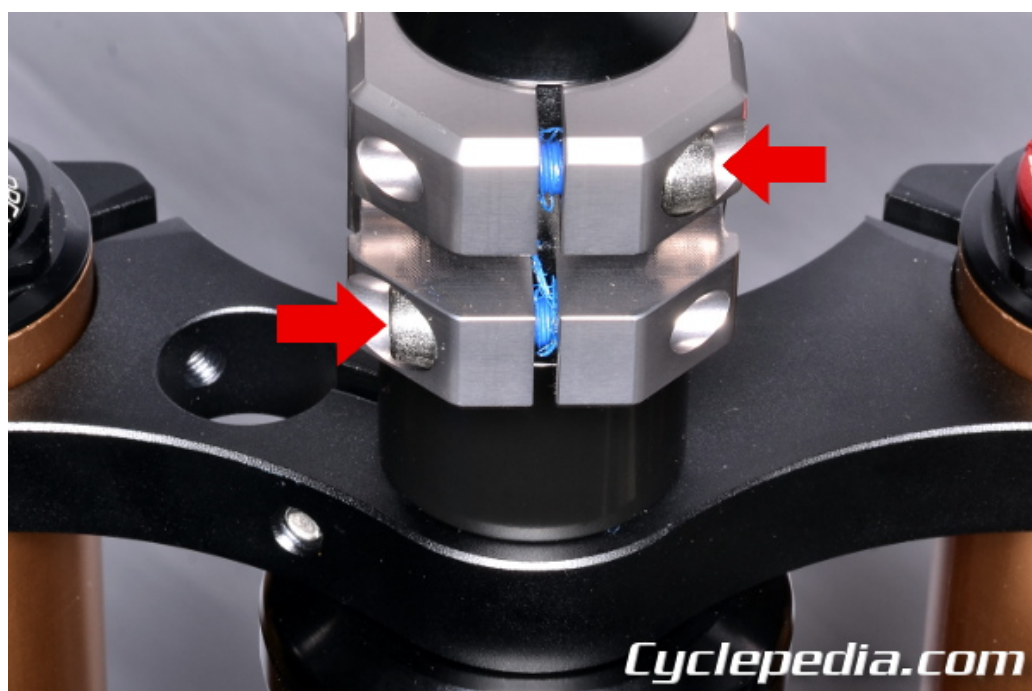


Tighten the lower fork crown pinch bolts evenly with a T30 Torx socket.

Torque (N-m)	Torque (ft-lbs.)
7.5	5.5

Tighten the upper fork crown to steerer tube and fork pinch bolts with a 5 mm hex socket.

Torque (N-m)	Torque (ft-lbs.)
7.5	5.5



Tighten the stem clamp bolts to specification with a 5 mm hex socket. Tighten the stem clamp bolts evenly one turn at a time.

Torque (N-m)	Torque (ft-lbs.)
7.9 - 9	5.9 - 6.6



Install the plug over the cap bolt when all steering adjustments are finished.



Position the bump stops so they will contact the frame before the fork leg.

Appearance and Care

Frequent cleaning and polishing will keep your MOTOPED® looking newer longer. Frequent cleaning also identifies you as an owner who values your MOTOPED®. A clean MOTOPED® is also easier to inspect and service. While you're cleaning, be sure to look for damage, wear, and gasoline or oil leaks.

Recommendations

To clean your MOTOPED®, you may use:

- water
- a mild, neutral detergent and water
- a mild spray and wipe cleaner/polisher
- a mild spray and rinse cleaner/degreaser and water

Avoid products that contain harsh detergents or chemical solvents that could damage the metal, paint, and plastic on your MOTOPED®.

If your MOTOPED® is still warm from recent operation, give the engine and exhaust system time to cool off.

We recommend the use of a garden hose to wash your MOTOPED®. High pressure washers (like those at coin-operated car washes) can damage certain parts of your MOTOPED®. If you use a high pressure washer, avoid spraying the following areas:

- wheel hubs
- muffler outlet
- area under seat
- engine stop switch
- under fuel tank
- drive chain
- carburetor

Note: High pressure water (or air) can damage certain parts of your MOTOPED®.

Wash With a Mild Detergent

1. Rinse your MOTOPED® thoroughly with cool water to remove loose dirt.
2. Fill a bucket with cool water. Mix in a mild, neutral detergent, such as dish washing liquid or a product made especially for washing motorcycles or automobiles.
3. Wash your MOTOPED® with a sponge or a soft towel. As you wash, check for heavy grime. If necessary, use a mild cleaner/degreaser to remove the grime.
4. After washing, rinse your MOTOPED® thoroughly with plenty of clean water to remove any residue.
5. Dry your MOTOPED® with a chamois or a soft towel.
6. Lubricate the drive chains to prevent rusting.
7. Start the engine and let it idle for several minutes. The engine heat will help dry moist areas.
8. As a precaution, ride at a slow speed and apply the brakes several times. This will help dry the brakes and restore normal braking performance.

Storage

If you won't be riding for an extended period, such as during the winter, thoroughly inspect your MOTOPED® and correct any problem before storing it. That way, needed repairs won't be forgotten and it will be easier to get your MOTOPED® running again.

Storage Preparation

1. Change the engine oil. See the [Engine Oil](#) topic.
2. Fill the fuel tank and install the fuel cap securely. If using a fuel stabilizer, follow the fuel stabilizer manufacturers instructions.
3. Check that the fuel valve is OFF.
4. Drain the carburetor into an approved gasoline container and dispose of it in an approved manner. If storage will last longer than one month, carburetor draining is important, to assure proper performance after storage.

Warning: Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine and keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.



The float bowl drain screw is located on the float bowl. Only drain the fuel from the float bowl when the engine is cold.



Collect the fuel from the float bowl drain hose in a suitable container and dispose of it in a responsible manner.

5. Wash and dry your MOTOPED®. See the [Appearance and Care](#) topic.

6. Lubricate the chains. See the [Drive Chains](#) topic.
7. Inflate the tires to their recommended pressures. See the [Tires](#) topic.
8. Store your MOTOPED® in an unheated area, free of dampness, away from sunlight, with a minimum of daily temperature variation.
9. Cover your MOTOPED® with a porous material. Avoid using plastic or similar non-breathing, coated materials that restrict air flow and allow heat and moisture to accumulate.

Removal from Storage

1. Uncover and clean your MOTOPED®.
2. If your MOTOPED® has been stored for more than four months change the engine oil. See the [Engine Oil](#) topic.
3. If your MOTOPED® has been stored for more than two months drain and replace the fuel.
4. Lubricate the chains. See the [Drive Chains](#) topic.
5. Inspect the vehicle and test ride it before returning it to regular operation.

Emissions Warranty

APT Powersport and Utility Products, LLC

Emission Control System Warranty Statement

EMISSION CONTROL SYSTEM WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

The U.S. Environmental Protection Agency and APT Powersport an Utility Products, LLC (hereinafter "APT Powersport") are pleased to explain the emission control system warranty on your Off-Road Vehicle. New off-road motor vehicles must be designed, built and equipped to meet U.S. EPA standards. APT Powersport must warrant the emission control system on your vehicle 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-highway vehicle 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, APT Powersport 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 APT Powersport. This is your emission control system DEFECTS WARRANTY.

NOTICE! Use of any Motoped® brand vehicle in any type of competitive event completely and absolutely voids this and all other warranties offered by APT Powersport.

OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. APT Powersport recommends that you retain all receipts covering maintenance on your vehicle, but APT Powersport 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 Motoped® dealer 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 APT Powersport 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.

If you have any questions regarding your warranty rights and responsibilities, you should contact APT Powersport and Utility Products, LLC, 8844 Hillcrest Road, Kansas City, MO 64138, Phone: 888-488-6686, or the U.S. Environmental Protection Agency at 2000 Traverwood Drive, Ann Arbor, MI 48105.

APT Powersport and Utility Products, LLC

Limited Warranty on Emission Control System

YOUR WARRANTY RIGHTS AND OBLIGATIONS

APT Powersport and Utility Products, LLC warrant that each new Motoped® brand off-road vehicle:

- 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 Motoped® dealer 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 APT Powersport.

II. Limitations

This Emission Control System Warranty shall not cover any of the following:

A. Repair or replacement as a result of

- (1) accident,
- (2) misuse,
- (3) repairs improperly performed or replacements improperly installed,
- (4) use of replacement parts or accessories not conforming to specifications set forth by APT Powersport, which adversely affect performance and/or
- (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 APT Powersport under this Emission Control System Warranty is

limited solely to the remedying of defects in material or workmanship by an authorized Motoped® 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 Motoped® dealer. APT Powersport 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 Motoped® 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 APT Powersport except as specifically set forth herein. 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 to you.

C. No dealer is authorized to modify this Limited Emission Control System Warranty issued by APT Powersport and Utility Products, LLC.

IV. LEGAL RIGHTS.

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

V. LIMITED VEHICLE WARRANTY

This warranty is in addition to the Motoped® 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, APT Powersport is 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 off-highway vehicle is

delivered to an ultimate purchaser.

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

APT Powersport and Utility Products, LLC

8844 Hillcrest Road,

Kansas City, MO 64138

Phone: 816-767-8783

Fax: 816-767-0605

Toll Free: 1-888-488-MOTO (6686)

Email: info@motovox.com

Registration

Register your Motoped® 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

Motoped

8844 Hillcrest Road

Kansas City, Missouri 64138

Or go to motoped.com and click on ACTION to fill out your registration form online.

Motoped 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 Motoped product?

Other similar product owned before _____

How did you hear about the Motoped?

How do you plan to use your Motoped?

Just for fun ☐ Work ☐ Sport ☐ Commuting ☐

Complete this form and mail it to:

8844 Hillcrest Road, Kansas City, Missouri 64138
Attention: Product Registration